

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX120420\  
 Data File : VX019742.D  
 Acq On : 05 Dec 2020 01:06  
 Operator : JC/MD  
 Sample : L4953-09MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ID039-39MWE2S-120320MS

Quant Time: Dec 05 03:57:00 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 04 15:32:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 319440   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 523692   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 486975   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 247722   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 6.03   | 65    | 209541   | 49.91    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 61 - 141 | Recovery | =    | 99.82%  |
| 35) Dibromofluoromethane  | 5.46   | 113   | 170978   | 50.52    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 69 - 133 | Recovery | =    | 101.04% |
| 50) Toluene-d8            | 8.70   | 98    | 657581   | 50.89    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 65 - 126 | Recovery | =    | 101.78% |
| 62) 4-Bromofluorobenzene  | 11.12  | 95    | 252571   | 51.36    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 58 - 135 | Recovery | =    | 102.72% |

## Target Compounds

|                               |      |     |         |         | Qvalue   |
|-------------------------------|------|-----|---------|---------|----------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 153898  | 52.622  | ug/l 100 |
| 3) Chloromethane              | 1.31 | 50  | 158093  | 45.964  | ug/l 99  |
| 4) Vinyl Chloride             | 1.39 | 62  | 187664  | 51.746  | ug/l 99  |
| 5) Bromomethane               | 1.62 | 94  | 56076   | 46.567  | ug/l 99  |
| 6) Chloroethane               | 1.70 | 64  | 117177  | 53.786  | ug/l 99  |
| 7) Trichlorofluoromethane     | 1.91 | 101 | 259990  | 51.476  | ug/l 96  |
| 8) Diethyl Ether              | 2.17 | 74  | 108853  | 50.858  | ug/l 98  |
| 9) 1,1,2-Trichlorotrifluoroet | 2.36 | 101 | 153126  | 52.894  | ug/l 99  |
| 10) Methyl Iodide             | 2.49 | 142 | 172309  | 40.380  | ug/l 99  |
| 11) Tert butyl alcohol        | 3.01 | 59  | 202453  | 234.396 | ug/l 99  |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 155202  | 53.029  | ug/l 98  |
| 13) Acrolein                  | 2.27 | 56  | 117061  | 252.602 | ug/l 98  |
| 14) Allyl chloride            | 2.70 | 41  | 246953  | 49.960  | ug/l 99  |
| 15) Acrylonitrile             | 3.11 | 53  | 495961  | 261.311 | ug/l 100 |
| 16) Acetone                   | 2.42 | 43  | 414917  | 262.928 | ug/l 99  |
| 17) Carbon Disulfide          | 2.55 | 76  | 407624  | 48.539  | ug/l 100 |
| 18) Methyl Acetate            | 2.75 | 43  | 264413  | 68.471  | ug/l 100 |
| 19) Methyl tert-butyl Ether   | 3.17 | 73  | 551520  | 51.743  | ug/l 99  |
| 20) Methylene Chloride        | 2.83 | 84  | 187351  | 52.062  | ug/l 99  |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96  | 177232  | 51.941  | ug/l 99  |
| 22) Diisopropyl ether         | 3.82 | 45  | 516810  | 51.712  | ug/l 92  |
| 23) Vinyl Acetate             | 3.78 | 43  | 1922481 | 225.788 | ug/l 100 |
| 24) 1,1-Dichloroethane        | 3.67 | 63  | 310968  | 51.598  | ug/l 100 |
| 25) 2-Butanone                | 4.63 | 43  | 635285  | 261.989 | ug/l 99  |
| 26) 2,2-Dichloropropane       | 4.55 | 77  | 222672  | 42.904  | ug/l 97  |
| 27) cis-1,2-Dichloroethene    | 4.56 | 96  | 257060  | 64.375  | ug/l 96  |
| 28) Bromochloromethane        | 4.98 | 49  | 147993  | 51.512  | ug/l 99  |
| 29) Tetrahydrofuran           | 5.09 | 42  | 404166  | 258.698 | ug/l 99  |
| 30) Chloroform                | 5.17 | 83  | 320226  | 51.675  | ug/l 99  |
| 31) Cyclohexane               | 5.54 | 56  | 265869  | 50.909  | ug/l 98  |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97  | 273219  | 51.197  | ug/l 100 |
| 36) 1,1-Dichloropropene       | 5.77 | 75  | 236735  | 50.026  | ug/l 100 |
| 37) Ethyl Acetate             | 4.79 | 43  | 236469  | 49.491  | ug/l 100 |
| 38) Carbon Tetrachloride      | 5.75 | 117 | 232463  | 50.164  | ug/l 97  |

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 Sample : L4953-09MS  
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 ALS Vial : 35 Sample Multiplier: 1

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 MSVOA\_X  
 ClientSampleID :  
 ID039-39MWE2S-120320MS

Quant Time: Dec 05 03:57:00 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 04 15:32:53 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.44  | 83   | 272823   | 49.070  | ug/l  | 99       |
| 40) Benzene                    | 6.11  | 78   | 726690   | 50.270  | ug/l  | 99       |
| 41) Methacrylonitrile          | 5.00  | 41   | 136414   | 52.000  | ug/l  | 99       |
| 42) 1,2-Dichloroethane         | 6.16  | 62   | 253030   | 51.231  | ug/l  | 100      |
| 43) Isopropyl Acetate          | 6.41  | 43   | 386436   | 49.747  | ug/l  | 100      |
| 44) Trichloroethene            | 7.18  | 130  | 191294   | 50.436  | ug/l  | 99       |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 183304   | 50.736  | ug/l  | 97       |
| 46) Dibromomethane             | 7.63  | 93   | 124804   | 51.153  | ug/l  | 99       |
| 47) Bromodichloromethane       | 7.87  | 83   | 249439   | 51.522  | ug/l  | 99       |
| 48) Methyl methacrylate        | 7.74  | 41   | 197196   | 51.616  | ug/l  | 100      |
| 49) 1,4-Dioxane                | 7.71  | 88   | 86677    | 936.560 | ug/l  | 100      |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 1230636  | 259.483 | ug/l  | 100      |
| 52) Toluene                    | 8.76  | 92   | 459161   | 50.786  | ug/l  | 99       |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 269506   | 50.165  | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 293170   | 50.229  | ug/l  | 99       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 188133   | 51.636  | ug/l  | 97       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 287504   | 52.156  | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 314799   | 50.601  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 738299   | 252.820 | ug/l  | 99       |
| 59) 2-Hexanone                 | 9.47  | 43   | 957735   | 260.524 | ug/l  | 100      |
| 60) Dibromochloromethane       | 9.56  | 129  | 193590   | 52.298  | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 198156   | 51.218  | ug/l  | 99       |
| 64) Tetrachloroethene          | 9.32  | 164  | 170190   | 52.114  | ug/l  | 98       |
| 65) Chlorobenzene              | 10.12 | 112  | 485514   | 50.043  | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.20 | 131  | 179503   | 51.404  | ug/l  | 100      |
| 67) Ethyl Benzene              | 10.23 | 91   | 883481   | 51.302  | ug/l  | 98       |
| 68) m/p-Xylenes                | 10.34 | 106  | 667014   | 102.788 | ug/l  | 99       |
| 69) o-Xylene                   | 10.68 | 106  | 323477   | 51.820  | ug/l  | 98       |
| 70) Styrene                    | 10.70 | 104  | 550317   | 52.231  | ug/l  | 100      |
| 71) Bromoform                  | 10.84 | 173  | 146606   | 53.368  | ug/l  | # 100    |
| 73) Isopropylbenzene           | 11.00 | 105  | 856494   | 50.607  | ug/l  | 100      |
| 74) N-amyl acetate             | 10.88 | 43   | 319723   | 47.141  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 302924   | 50.768  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 341764   | 61.513  | ug/l  | 89       |
| 77) Bromobenzene               | 11.24 | 156  | 218973   | 50.558  | ug/l  | 98       |
| 78) n-propylbenzene            | 11.34 | 91   | 973404   | 50.357  | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 11.40 | 91   | 591042   | 49.652  | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 722778   | 50.602  | ug/l  | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.05 | 75   | 94540    | 49.190  | ug/l  | 99       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 695016   | 49.852  | ug/l  | 98       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 698257   | 49.845  | ug/l  | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 739672   | 51.409  | ug/l  | 99       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 799652   | 49.997  | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 735501   | 50.177  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 391598   | 49.263  | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 393472   | 48.598  | ug/l  | 100      |
| 89) n-Butylbenzene             | 12.37 | 91   | 635261   | 48.917  | ug/l  | 100      |
| 90) Hexachloroethane           | 12.58 | 117  | 127832   | 50.513  | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene        | 12.37 | 146  | 443898   | 57.284  | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 64354    | 50.170  | ug/l  | 98       |

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Operator : JC/MD  
Sample : L4953-09MS  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 35 Sample Multiplier: 1

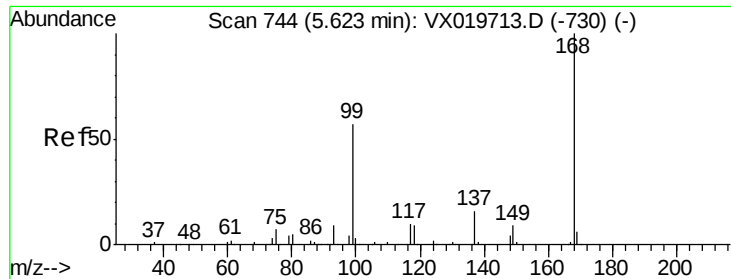
Instrument :  
MSVOA\_X  
ClientSampleId :  
ID039-39MWE2S-120320MS

Quant Time: Dec 05 03:57:00 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 04 15:32:53 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180  | 237449   | 47.073 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.76 | 225  | 97944    | 43.442 | ug/l  | 98       |
| 95) Naphthalene            | 13.82 | 128  | 836930   | 51.177 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.00 | 180  | 244897   | 49.677 | ug/l  | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

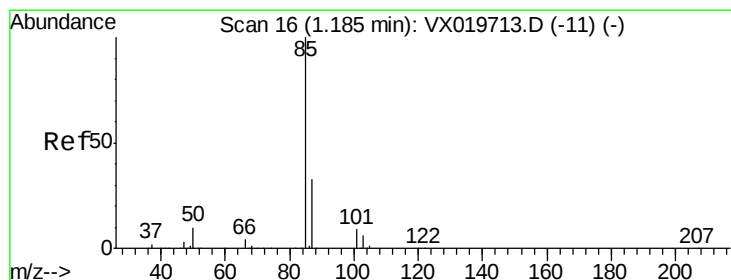
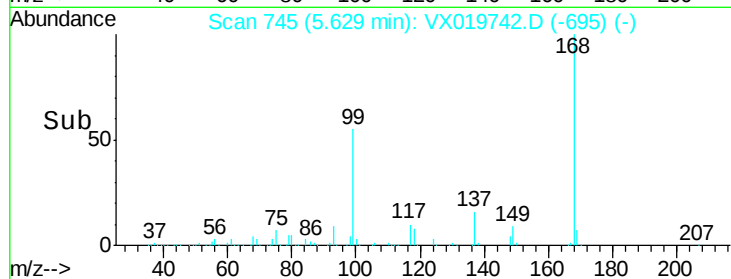
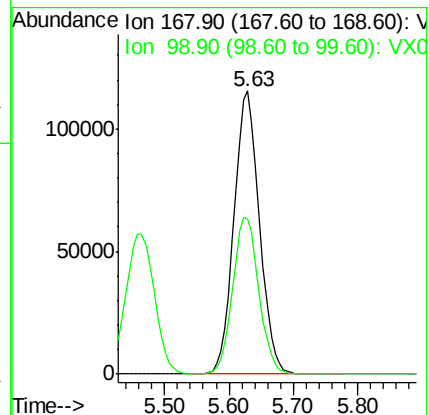
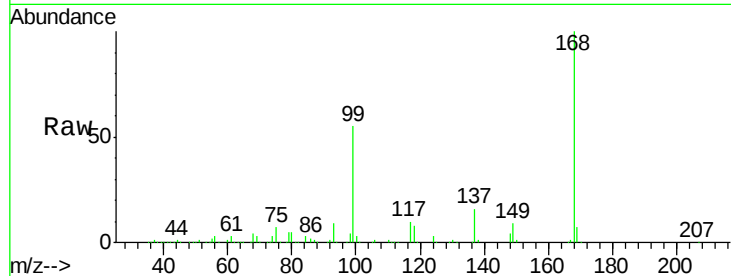
ID039-39MWE2S-120320MS

Tot Ion:168 Resp: 319440

Ion Ratio Lower Upper

168 100

99 54.9 45.8 68.6



#2

Dichlorodifluoromethane

Concen: 52.622 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019742.D

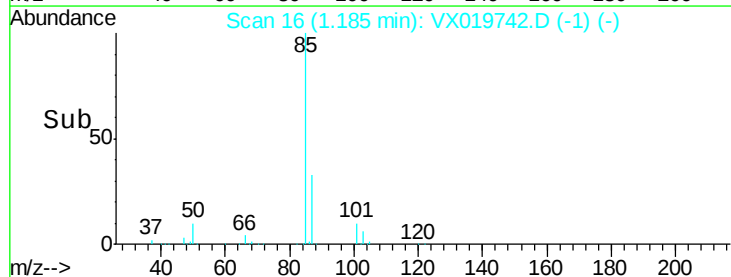
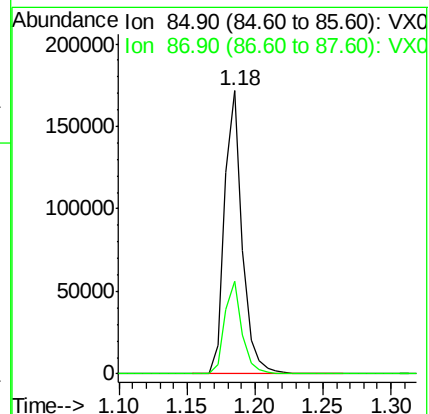
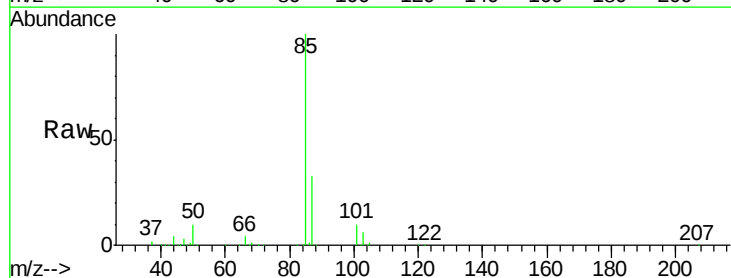
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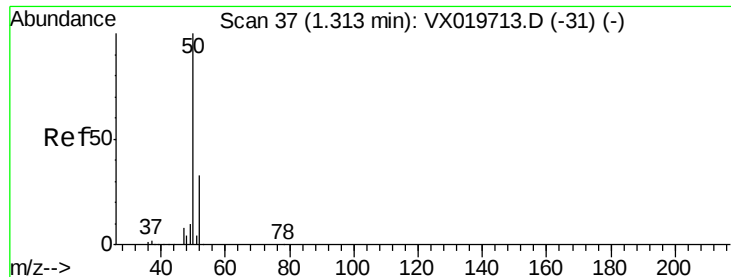
Tgt Ion: 85 Resp: 153898

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.2





#3

Chloromethane

Concen: 45.964 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

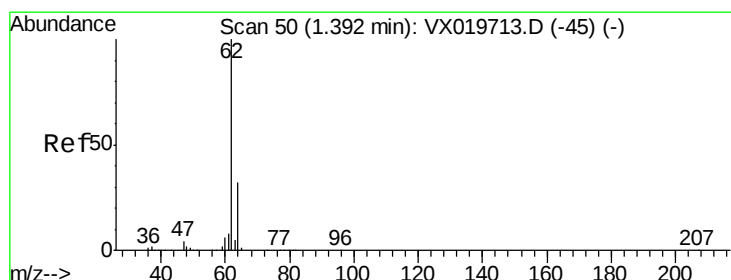
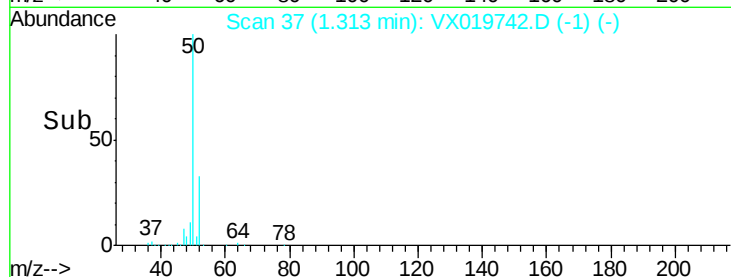
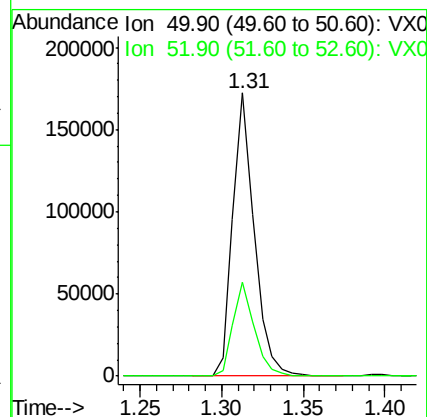
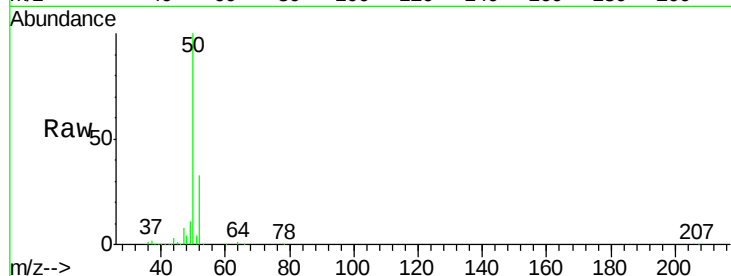
ID039-39MWE2S-120320MS

Tot Ion: 50 Resp: 158093

Ion Ratio Lower Upper

50 100

52 33.3 26.4 39.6



#4

Vinyl Chloride

Concen: 51.746 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019742.D

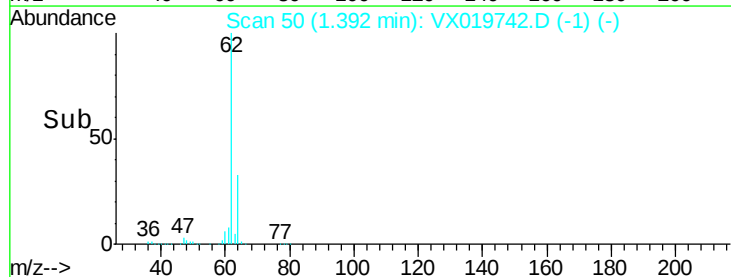
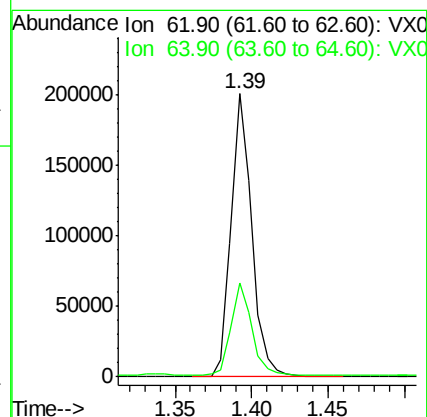
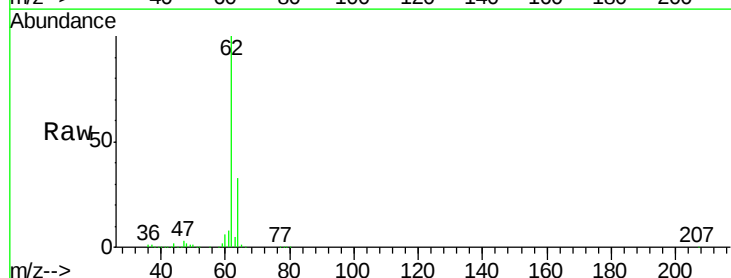
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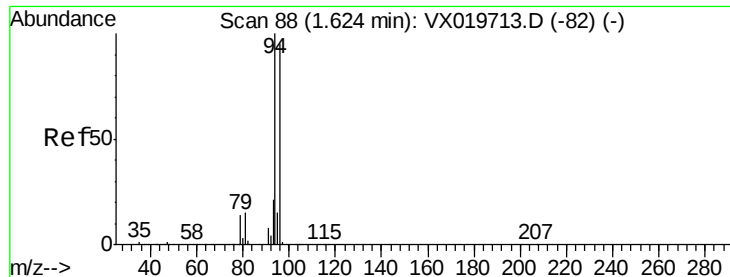
Tgt Ion: 62 Resp: 187664

Ion Ratio Lower Upper

62 100

64 32.9 25.7 38.5





#5

Bromomethane

Concen: 46.567 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

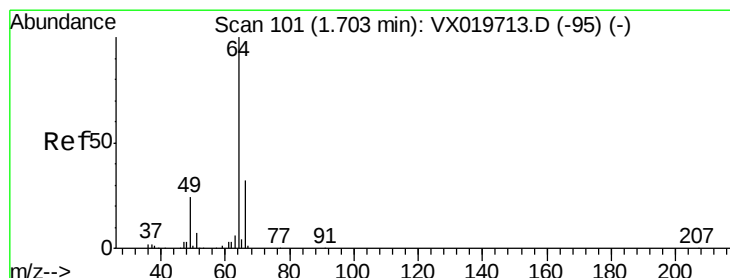
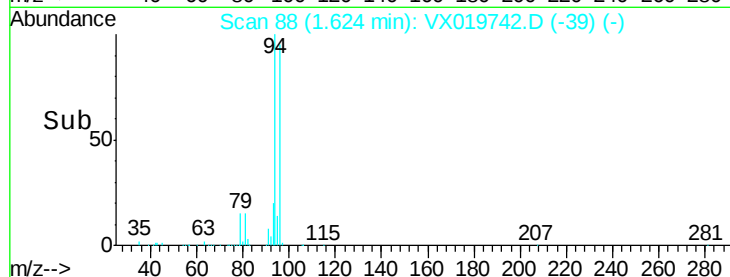
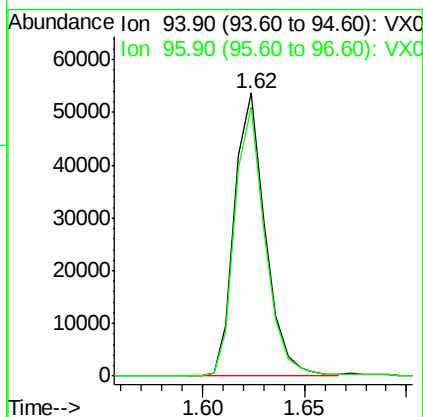
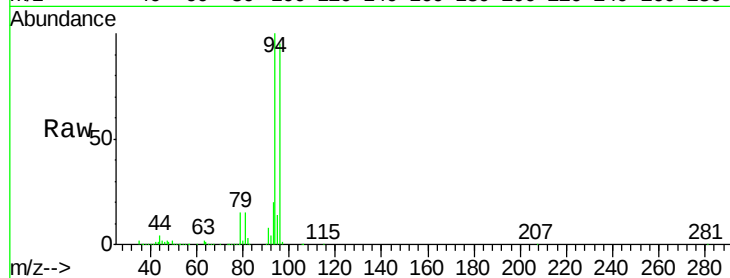
ID039-39MWE2S-120320MS

Tot Ion: 94 Resp: 56076

Ion Ratio Lower Upper

94 100

96 94.9 76.4 114.6



#6

Chloroethane

Concen: 53.786 ug/l

RT: 1.70 min Scan# 101

Delta R.T. 0.00 min

Lab File: VX019742.D

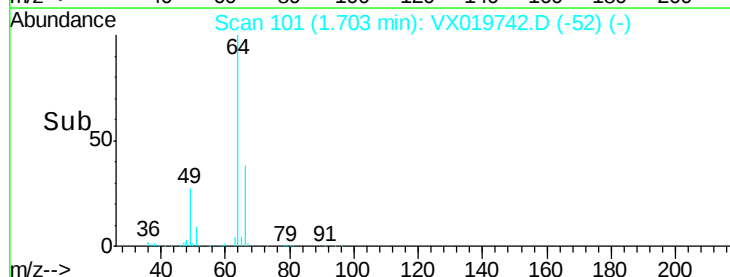
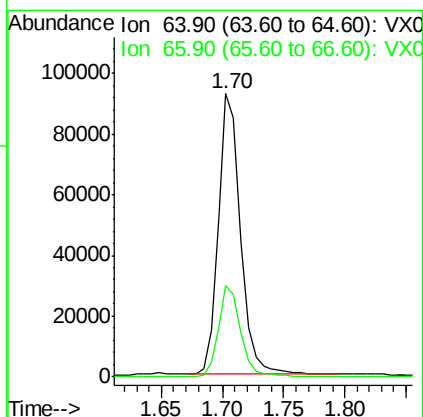
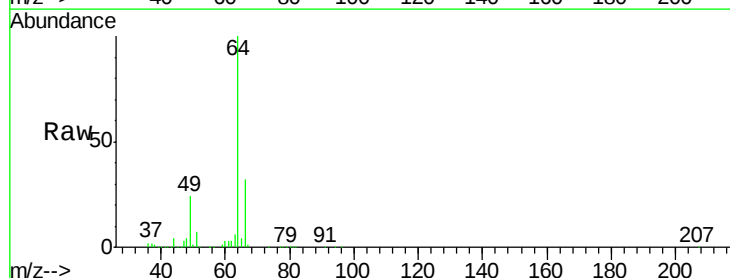
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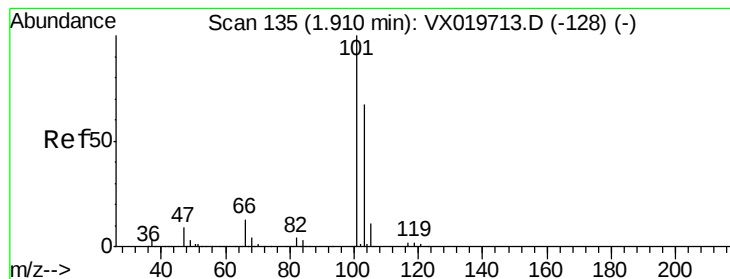
Tgt Ion: 64 Resp: 117177

Ion Ratio Lower Upper

64 100

66 32.4 25.4 38.0



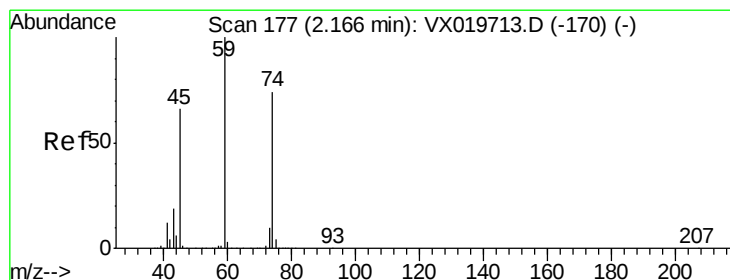
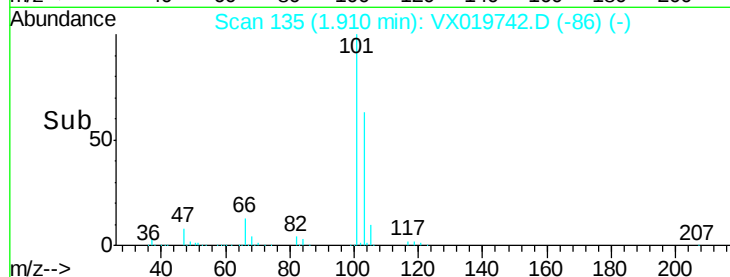
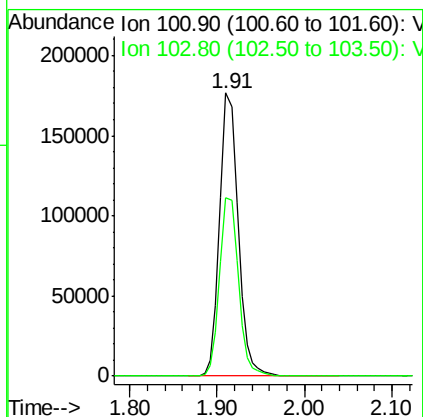
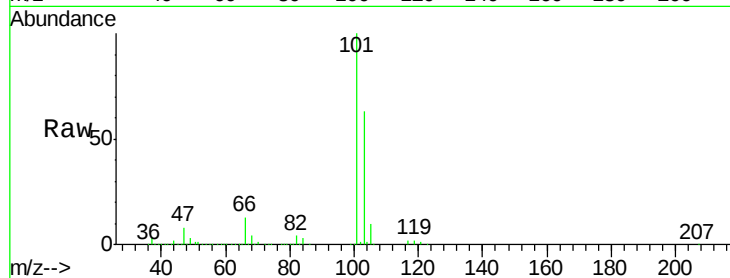


#7

Trichlorofluoromethane  
 Concen: 51.476 ug/l  
 RT: 1.91 min Scan# 135  
 Delta R.T. 0.00 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ID039-39MWE2S-120320MS

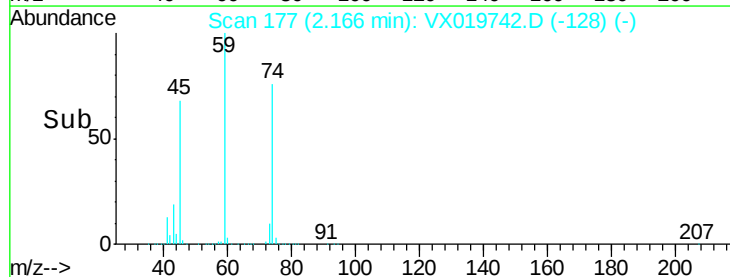
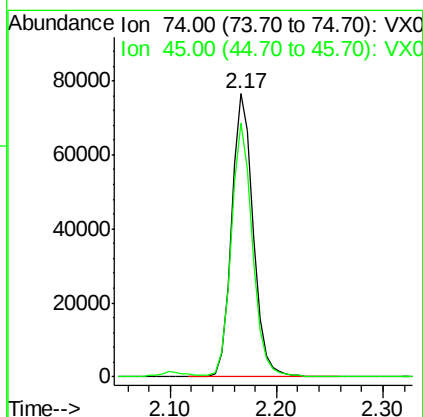
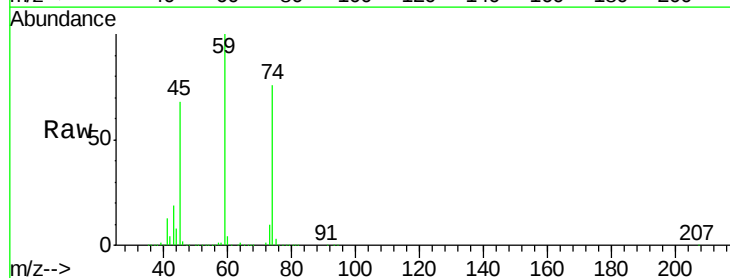
Tot Ion:101 Resp: 259990  
 Ion Ratio Lower Upper  
 101 100  
 103 63.2 53.2 79.8

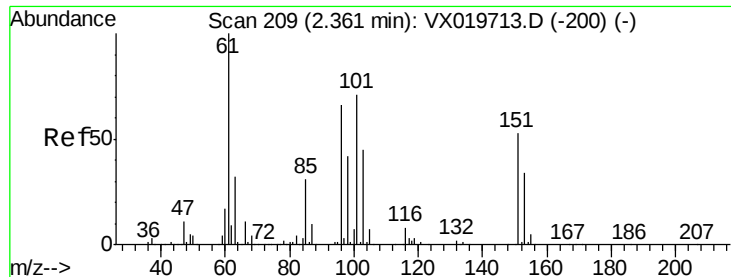


#8

Diethyl Ether  
 Concen: 50.858 ug/l  
 RT: 2.17 min Scan# 177  
 Delta R.T. 0.00 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

Tgt Ion: 74 Resp: 108853  
 Ion Ratio Lower Upper  
 74 100  
 45 87.4 44.5 133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.894 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

ID039-39MWE2S-120320MS

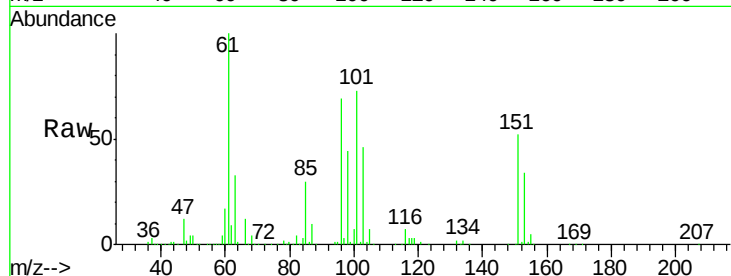
Tot Ion:101 Resp: 153126

Ion Ratio Lower Upper

101 100

85 42.5 34.9 52.3

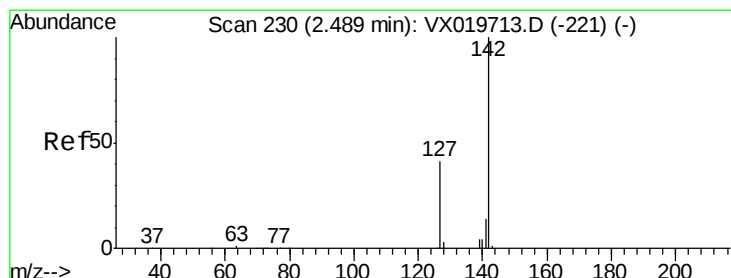
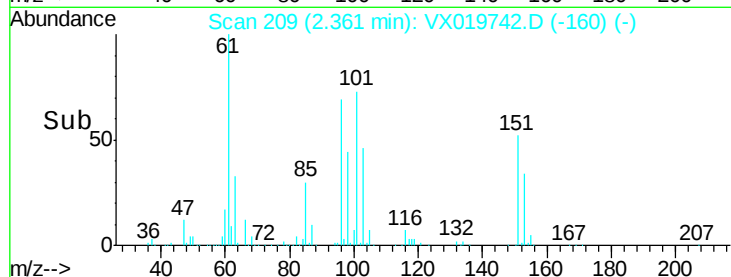
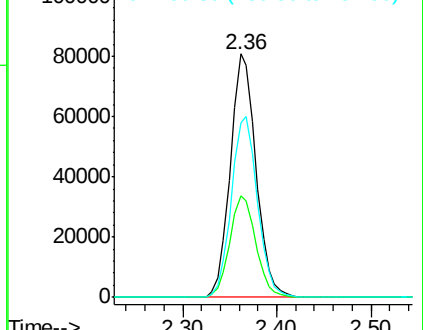
151 75.9 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.380 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

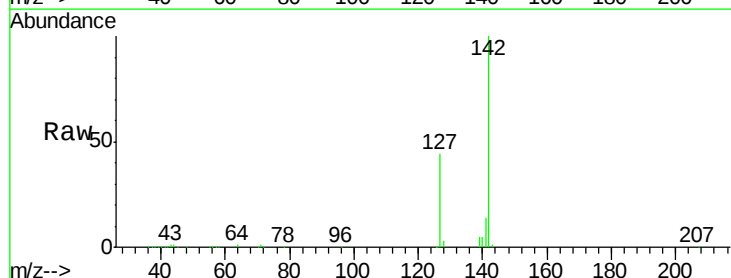
Tgt Ion:142 Resp: 172309

Ion Ratio Lower Upper

142 100

127 42.7 33.3 49.9

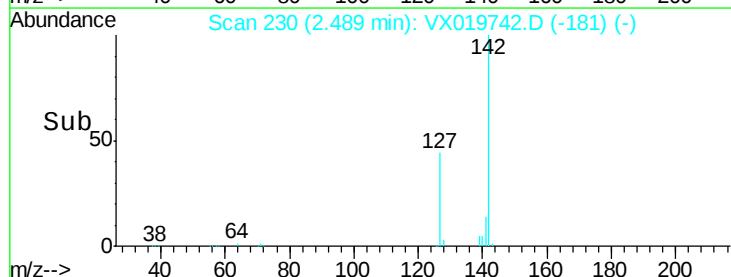
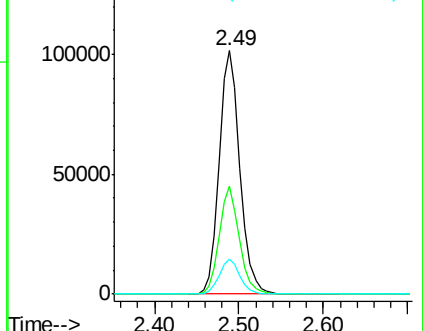
141 14.2 11.4 17.0

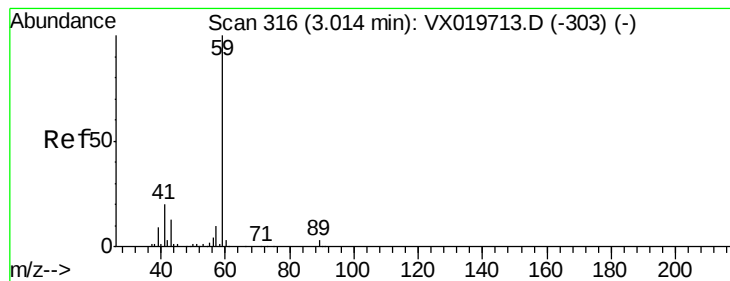


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 234.396 ug/l

RT: 3.01 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

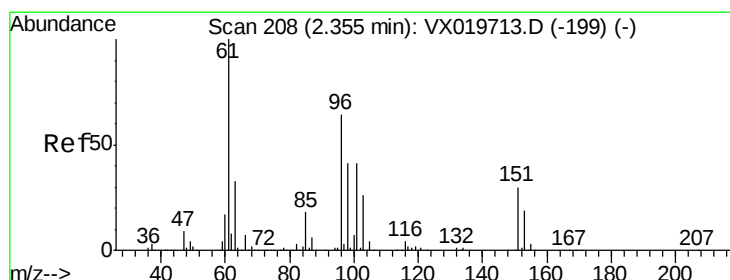
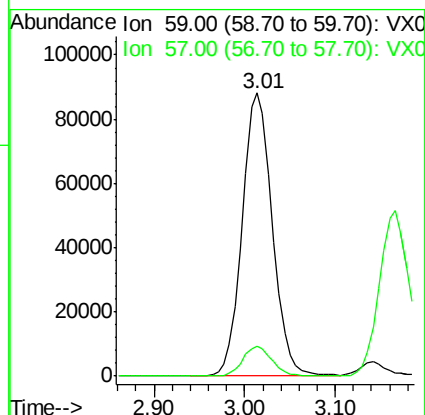
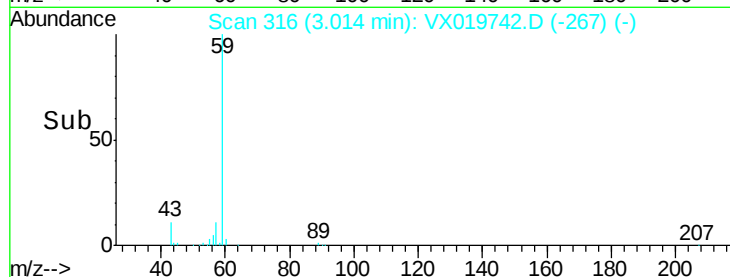
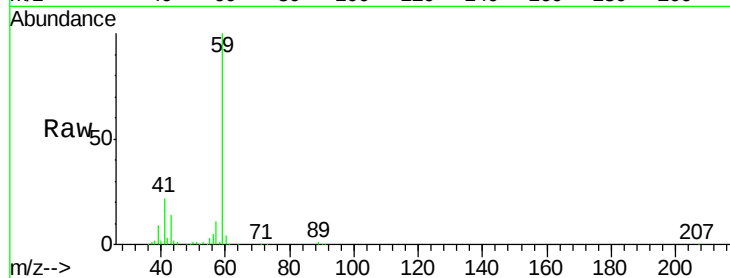
ID039-39MWE2S-120320MS

Tot Ion: 59 Resp: 202453

Ion Ratio Lower Upper

59 100

57 10.3 7.8 11.8



#12

1,1-Dichloroethene

Concen: 53.029 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

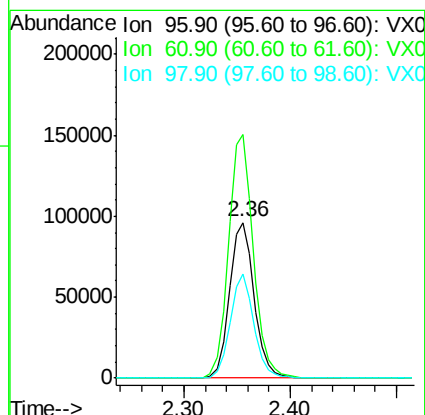
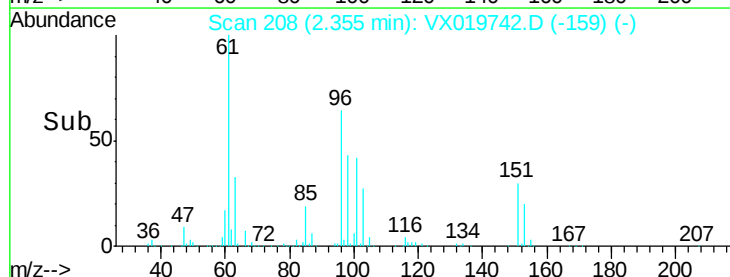
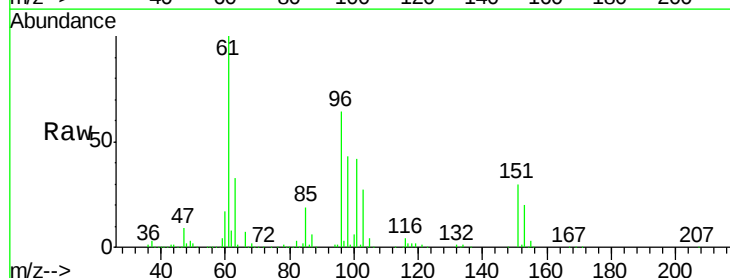
Tgt Ion: 96 Resp: 155202

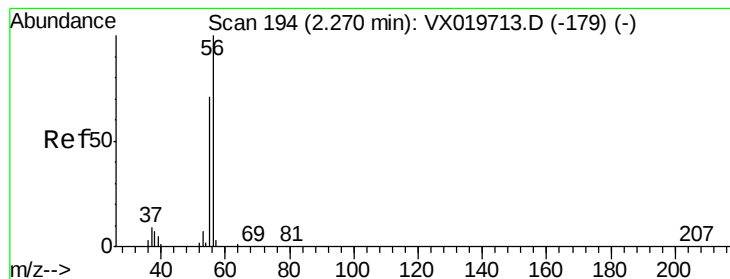
Ion Ratio Lower Upper

96 100

61 156.6 124.6 187.0

98 67.0 50.6 76.0





#13

Acrolein

Concen: 252.602 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

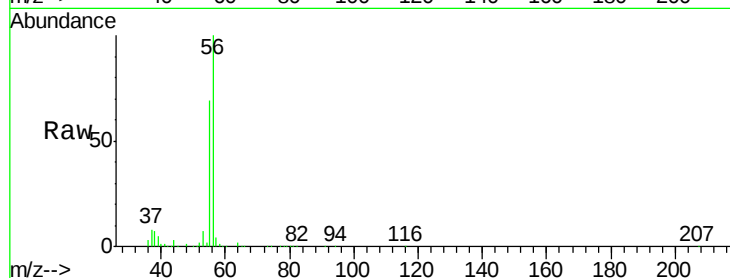
ID039-39MWE2S-120320MS

Tot Ion: 56 Resp: 117061

Ion Ratio Lower Upper

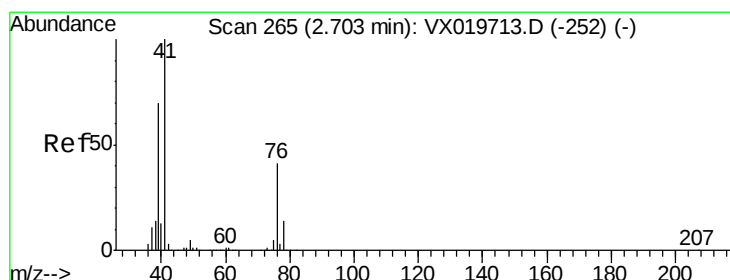
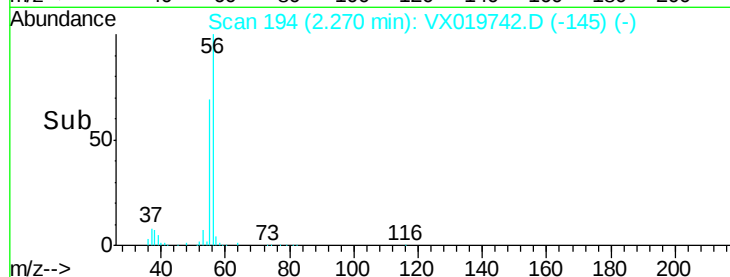
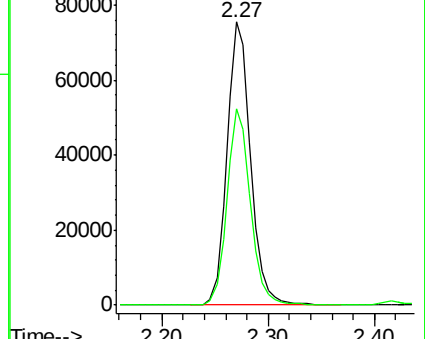
56 100

55 68.4 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 49.960 ug/l

RT: 2.70 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

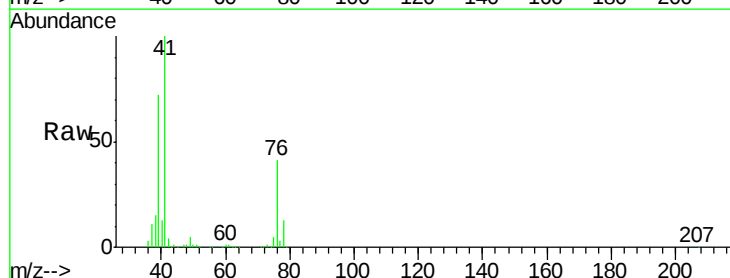
Tgt Ion: 41 Resp: 246953

Ion Ratio Lower Upper

41 100

39 64.0 51.6 77.4

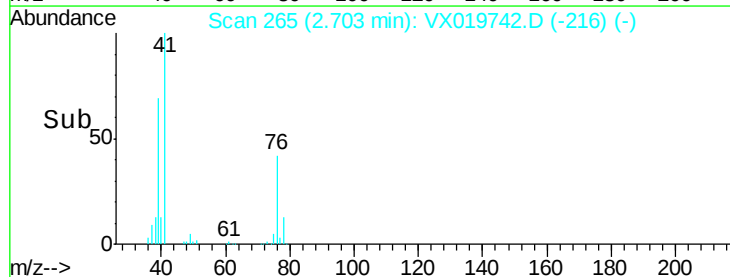
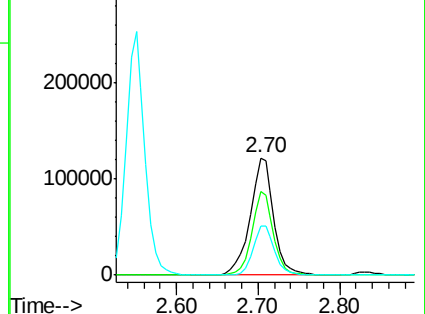
76 37.3 30.5 45.7

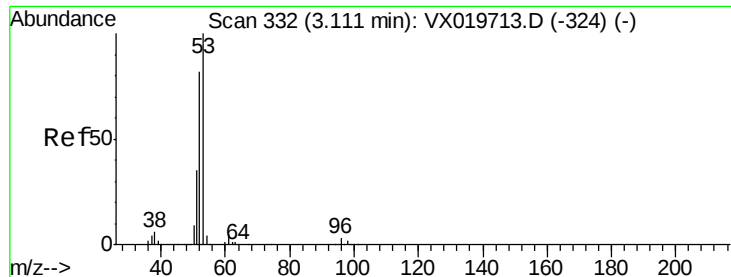


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 261.311 ug/l

RT: 3.11 min Scan# 332

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

ID039-39MWE2S-120320MS

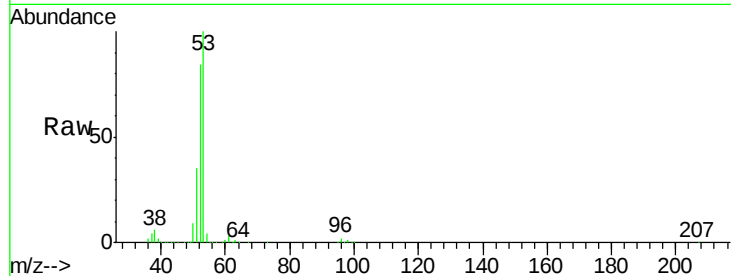
Tot Ion: 53 Resp: 495961

Ion Ratio Lower Upper

53 100

52 82.0 65.3 97.9

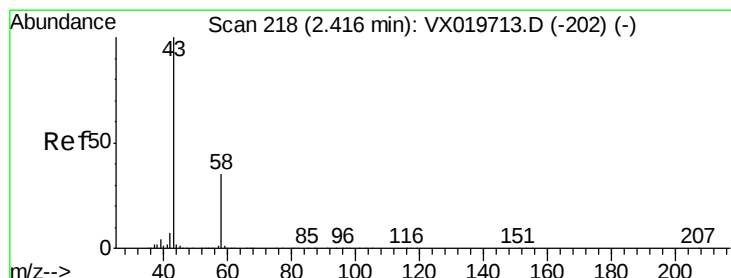
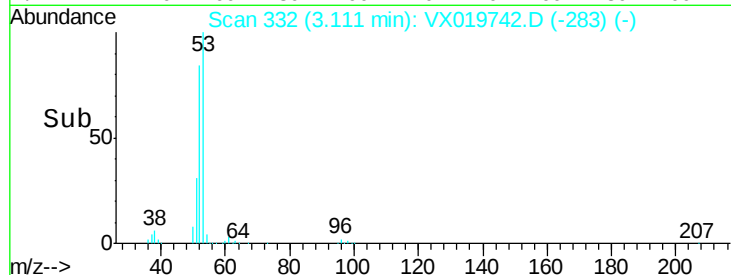
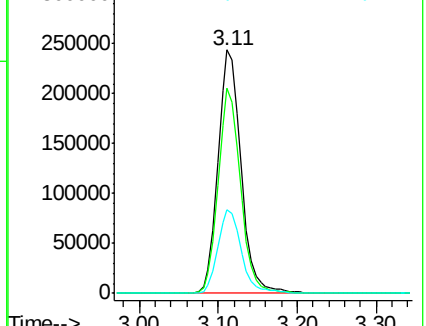
51 35.3 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 262.928 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019742.D

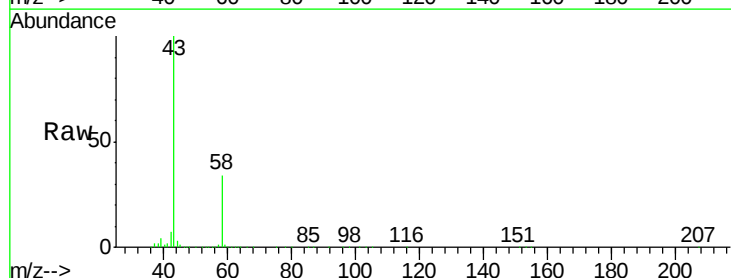
Acq: 05 Dec 2020 01:06

Tgt Ion: 43 Resp: 414917

Ion Ratio Lower Upper

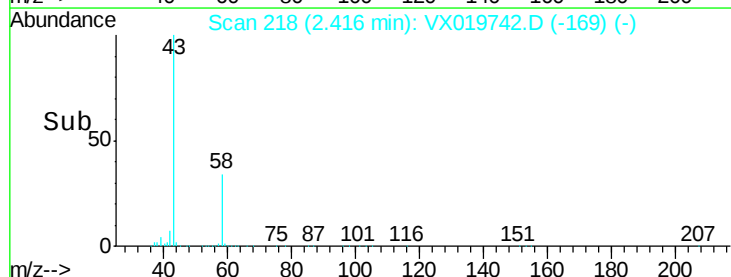
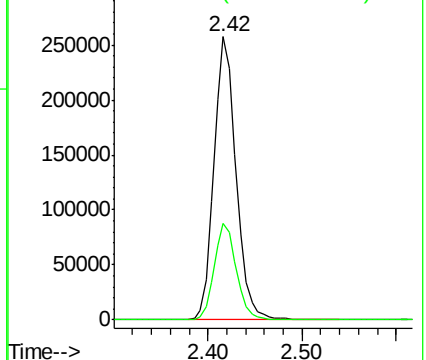
43 100

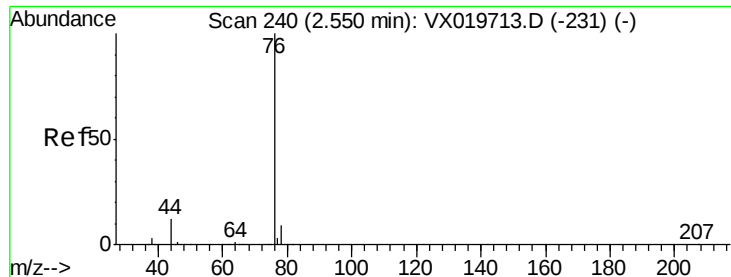
58 34.0 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 48.539 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

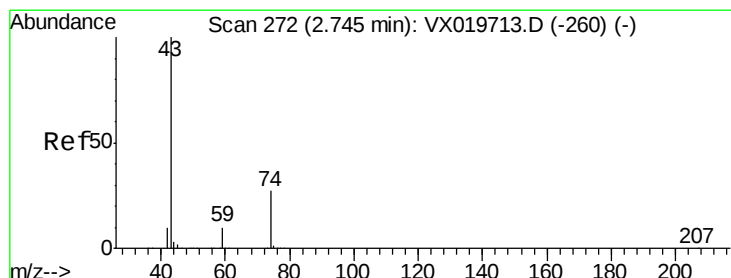
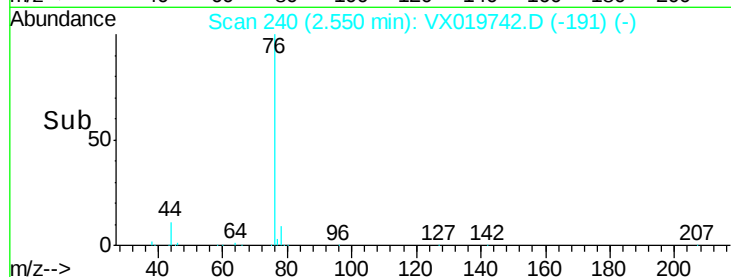
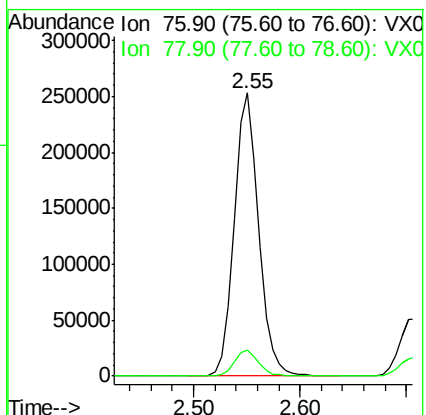
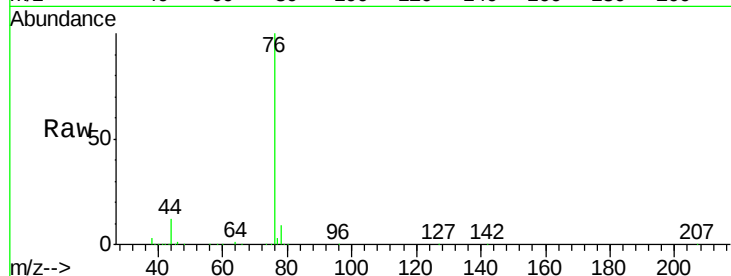
ID039-39MWE2S-120320MS

Tot Ion: 76 Resp: 407624

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



#18

Methyl Acetate

Concen: 68.471 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX019742.D

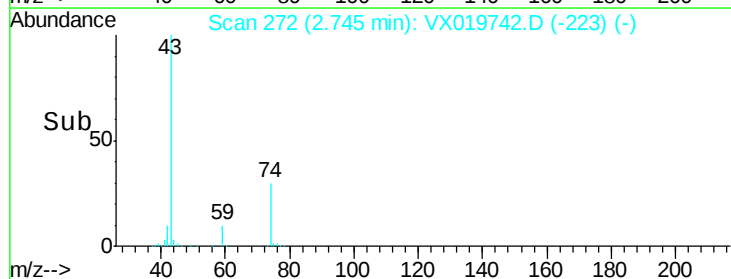
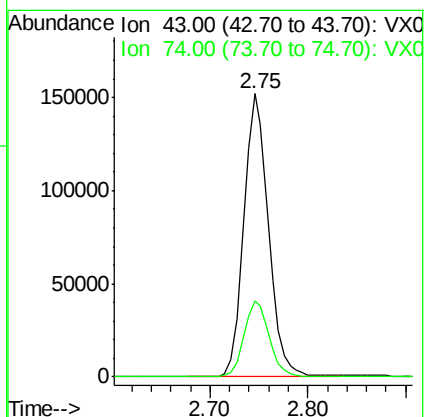
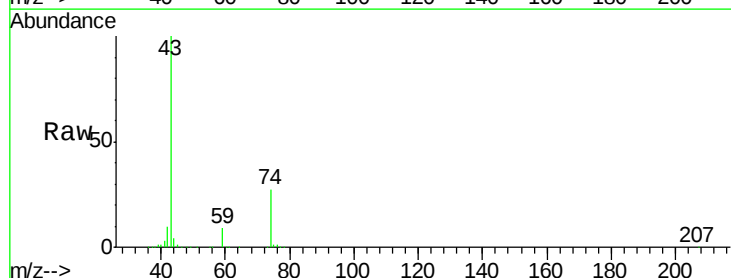
Acq: 05 Dec 2020 01:06

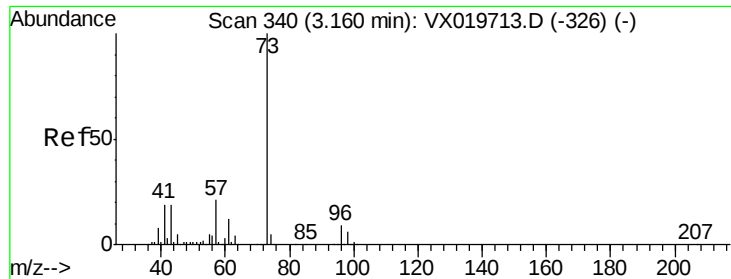
Tgt Ion: 43 Resp: 264413

Ion Ratio Lower Upper

43 100

74 27.4 21.9 32.9

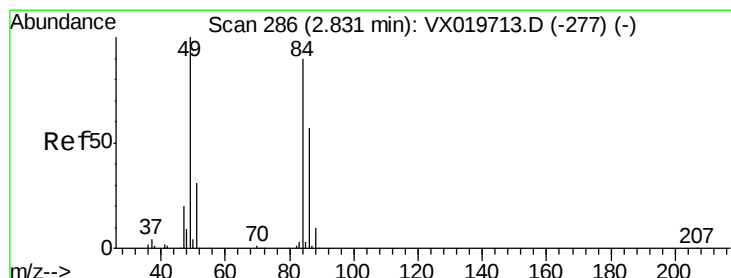
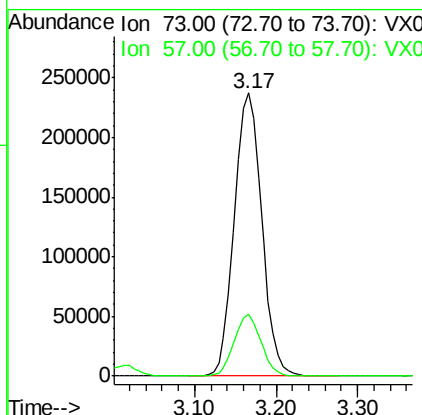
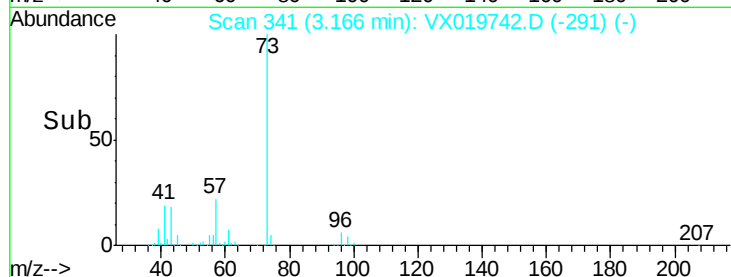
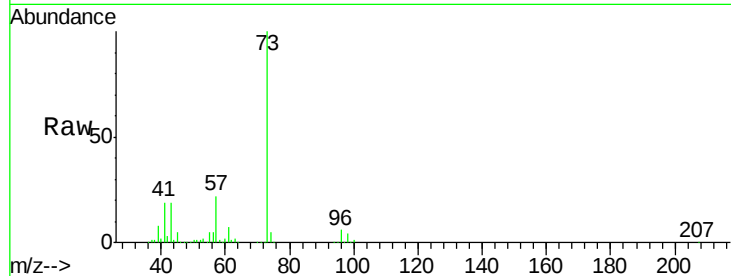




#19  
Methyl tert-butyl Ether  
Concen: 51.743 ug/l  
RT: 3.17 min Scan# 341  
Delta R.T. 0.01 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

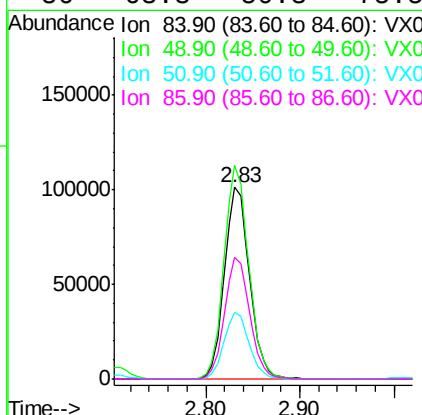
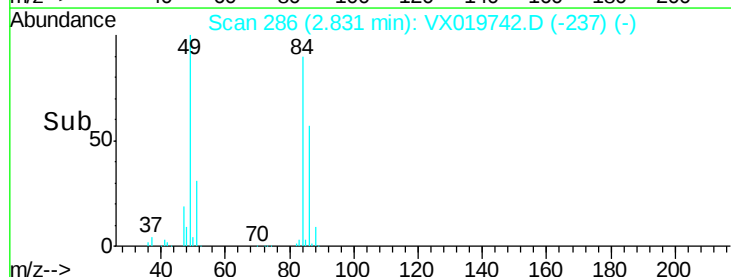
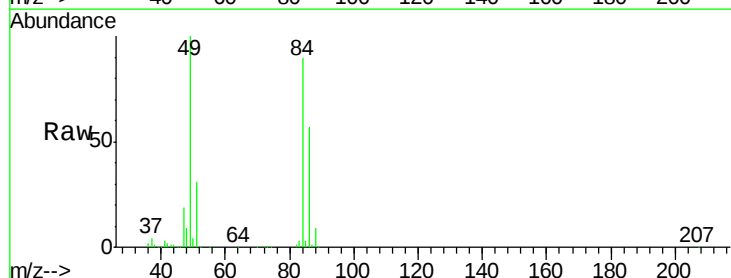
Instrument :  
MSVOA\_X  
ClientSampleId :  
ID039-39MWE2S-120320MS

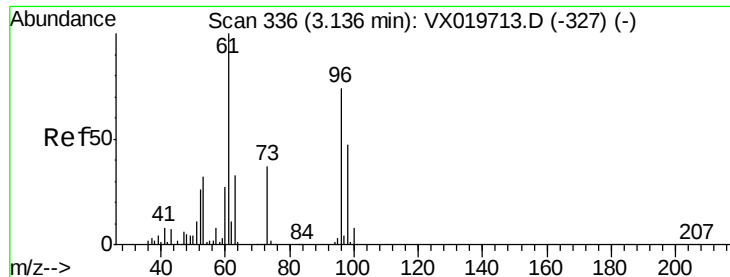
Tot Ion: 73 Resp: 551520  
Ion Ratio Lower Upper  
73 100  
57 21.7 17.1 25.7



#20  
Methylene Chloride  
Concen: 52.062 ug/l  
RT: 2.83 min Scan# 286  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

Tgt Ion: 84 Resp: 187351  
Ion Ratio Lower Upper  
84 100  
49 111.4 88.6 132.8  
51 34.4 27.0 40.6  
86 63.3 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 51.941 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

ID039-39MWE2S-120320MS

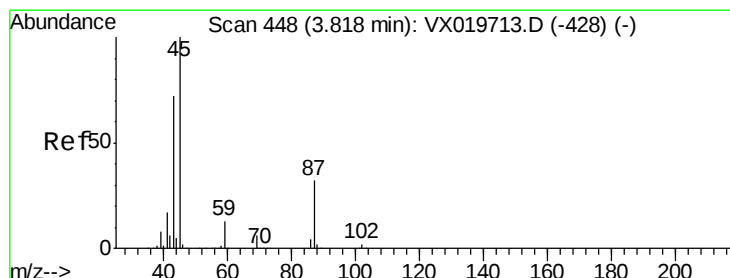
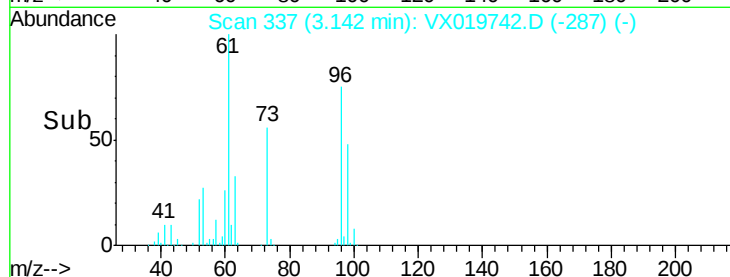
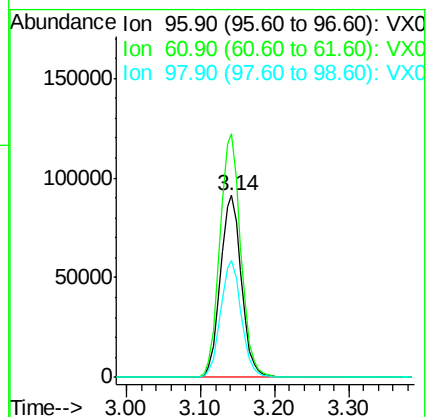
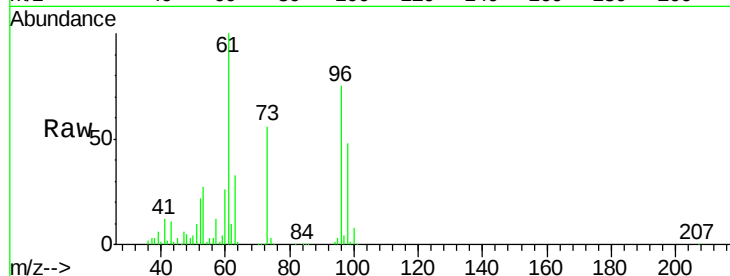
Tot Ion: 96 Resp: 177232

Ion Ratio Lower Upper

96 100

61 134.1 107.7 161.5

98 64.1 50.4 75.6



#22

Diisopropyl ether

Concen: 51.712 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.01 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Tgt Ion: 45 Resp: 516810

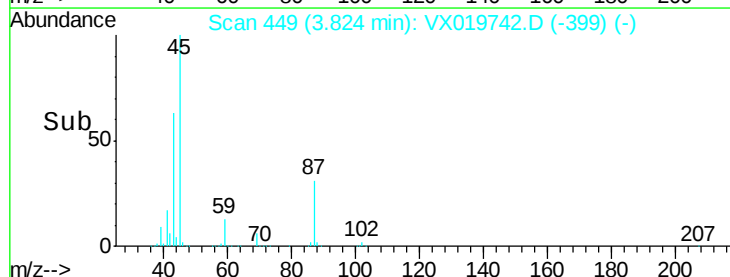
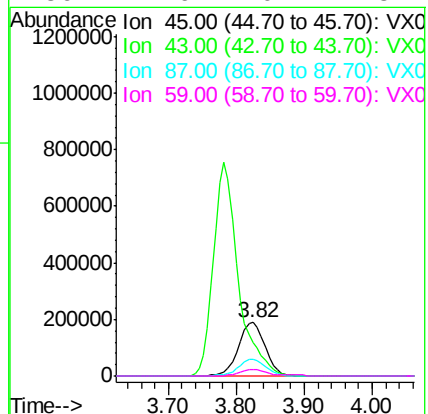
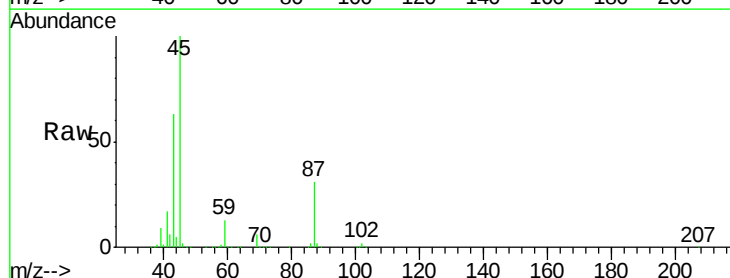
Ion Ratio Lower Upper

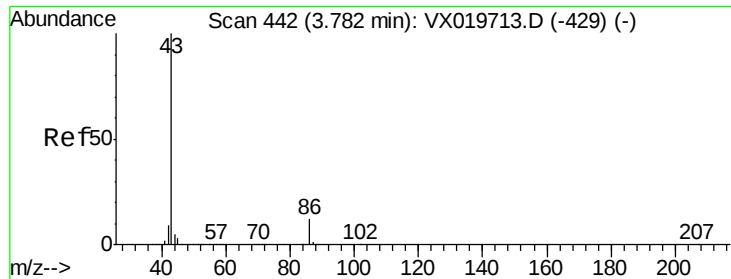
45 100

43 62.7 58.0 87.0

87 31.1 25.4 38.0

59 12.6 10.2 15.2





#23

Vinyl Acetate

Concen: 225.788 ug/l

RT: 3.78 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

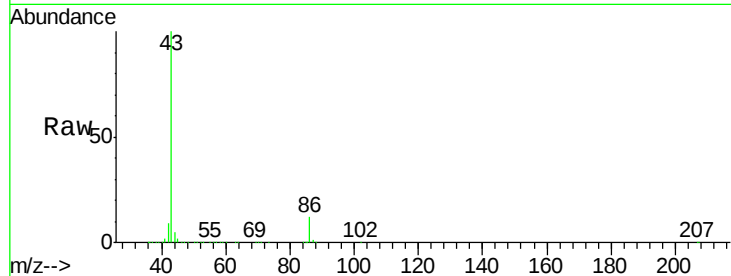
ID039-39MWE2S-120320MS

Tot Ion: 43 Resp: 1922481

Ion Ratio Lower Upper

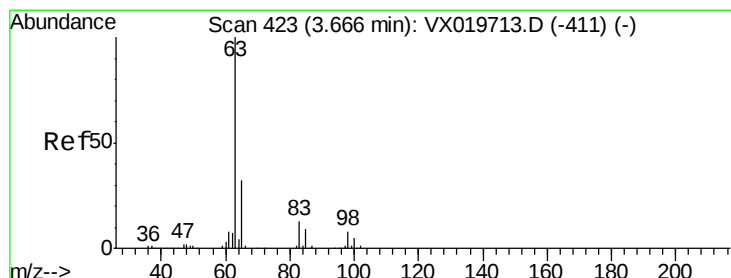
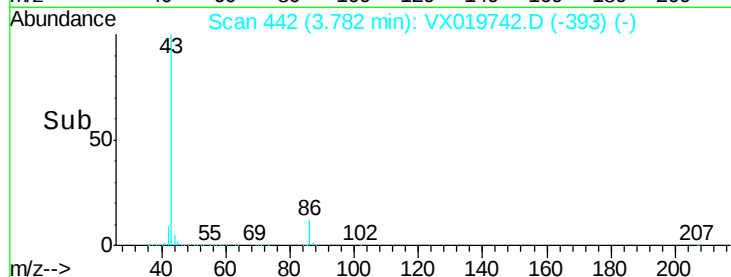
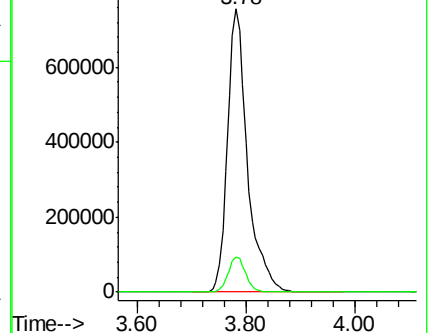
43 100

86 12.5 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.598 ug/l

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

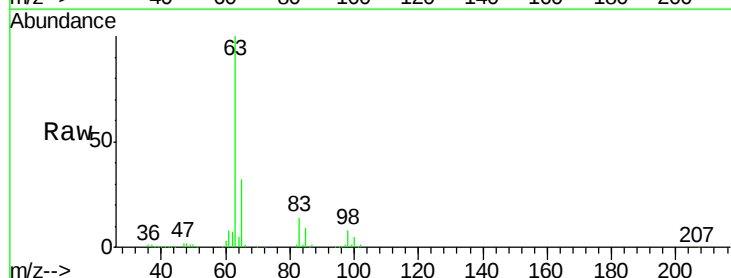
Tgt Ion: 63 Resp: 310968

Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.2

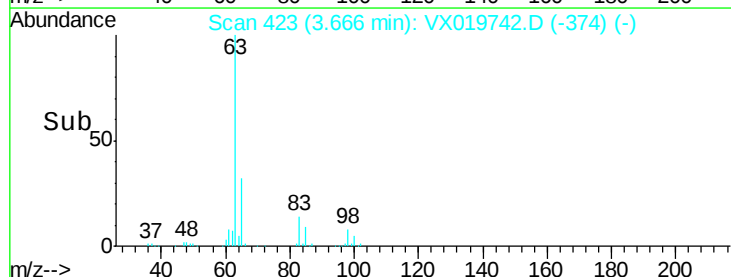
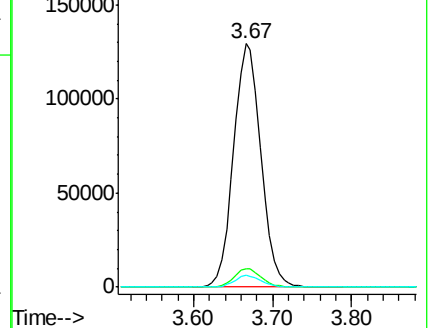
100 4.8 2.5 7.5

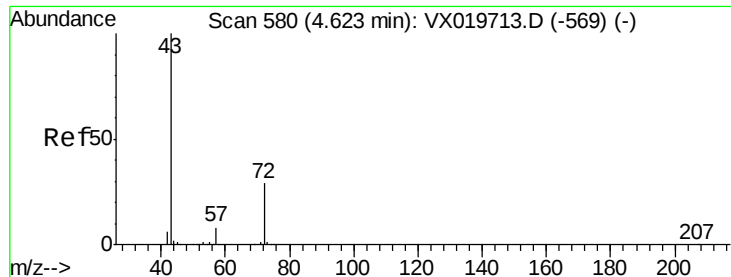


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 261.989 ug/l

RT: 4.63 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

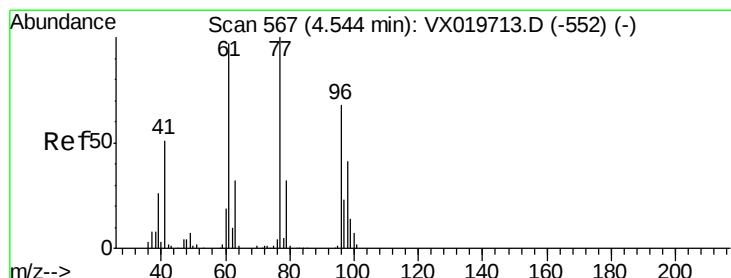
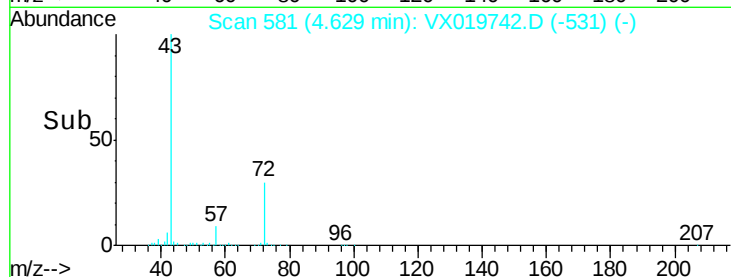
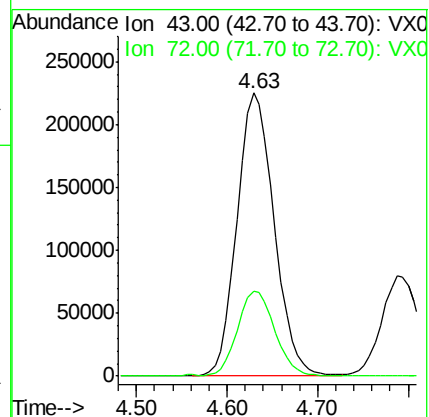
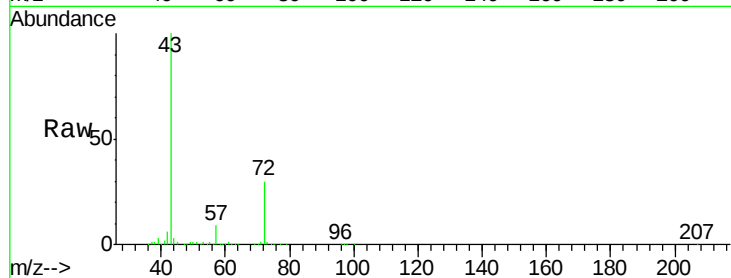
ID039-39MWE2S-120320MS

Tot Ion: 43 Resp: 635285

Ion Ratio Lower Upper

43 100

72 29.9 23.7 35.5



#26

2,2-Dichloropropane

Concen: 42.904 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.01 min

Lab File: VX019742.D

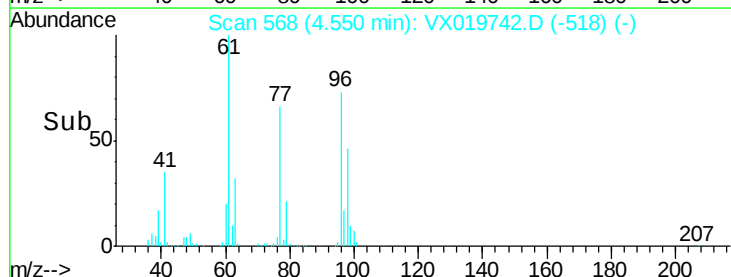
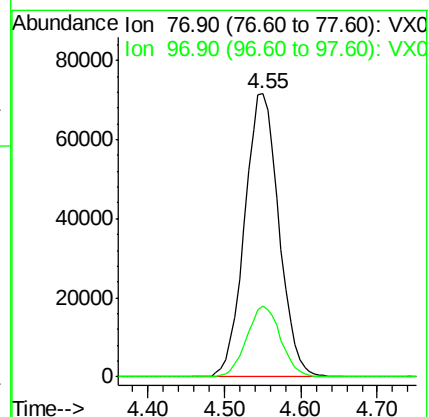
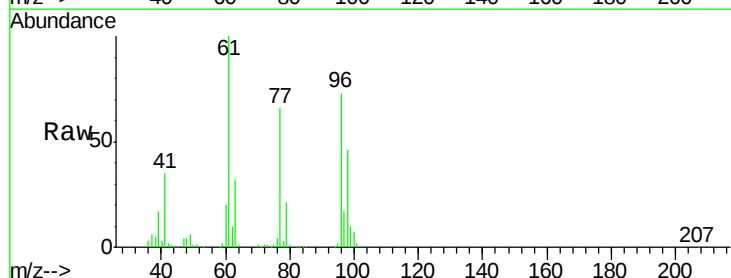
Acq: 05 Dec 2020 01:06

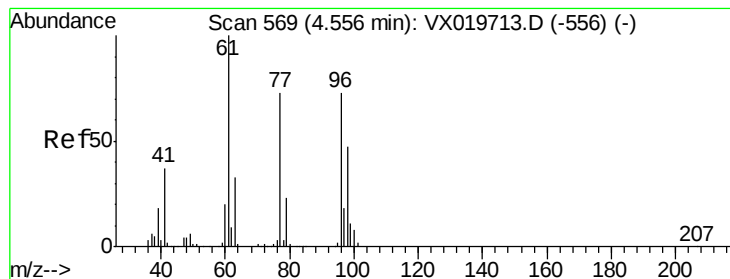
Tgt Ion: 77 Resp: 222672

Ion Ratio Lower Upper

77 100

97 24.8 11.7 35.1



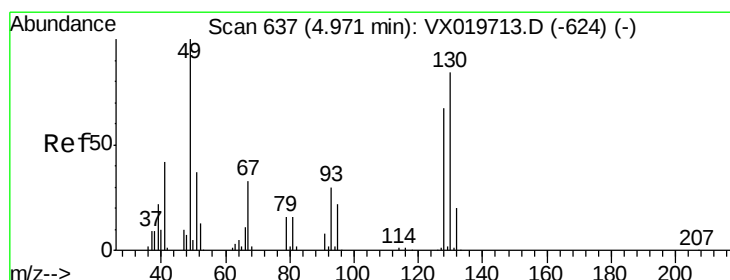
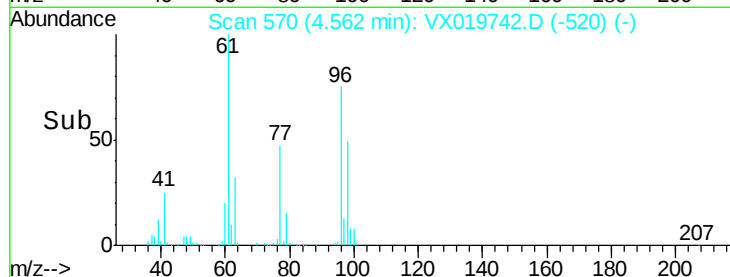
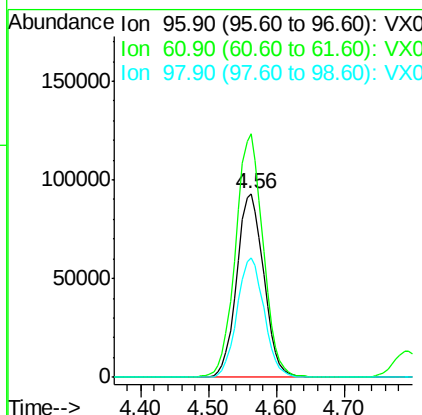
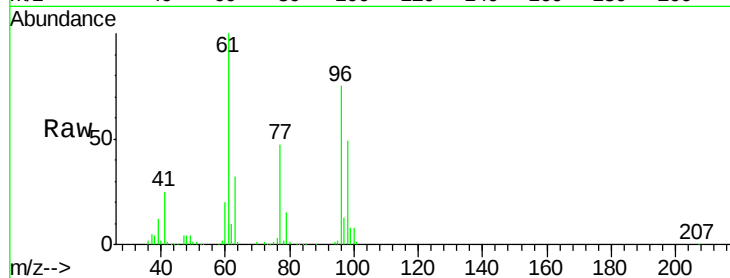


#27

cis-1,2-Dichloroethene  
Concen: 64.375 ug/l  
RT: 4.56 min Scan# 570  
Delta R.T. 0.01 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
ID039-39MWE2S-120320MS

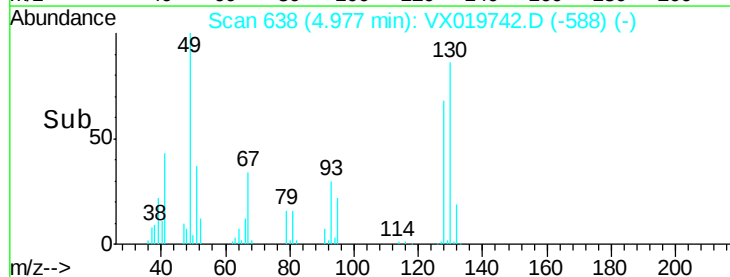
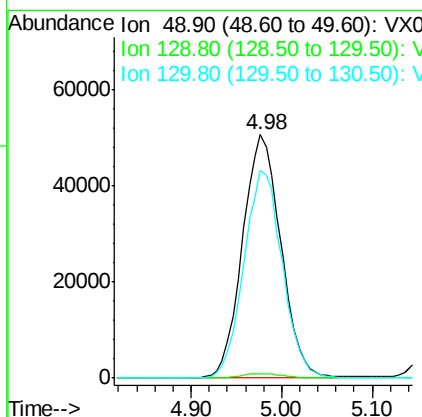
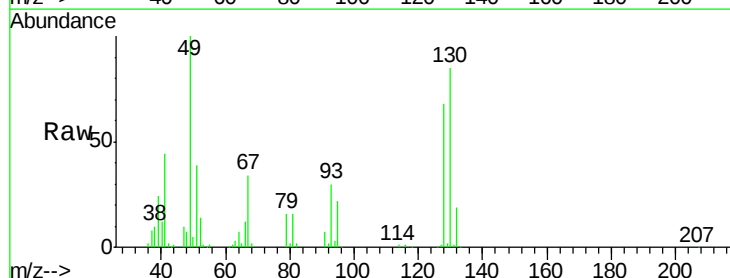
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 135.5 | 0.0   | 285.6 |
| 98      | 65.0  | 0.0   | 129.6 |

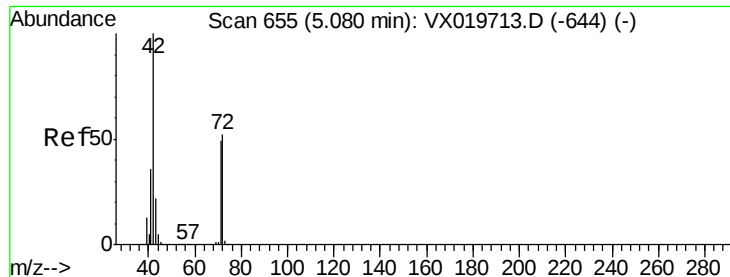


#28

Bromochloromethane  
Concen: 51.512 ug/l  
RT: 4.98 min Scan# 638  
Delta R.T. 0.01 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.0   | 0.0   | 4.0   |
| 130     | 85.7  | 68.2  | 102.2 |

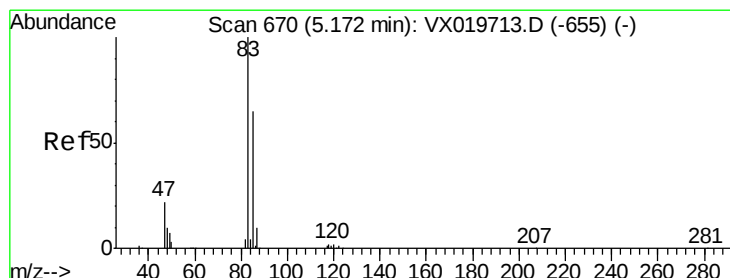
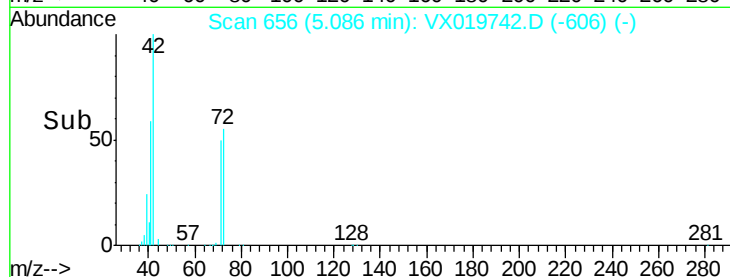
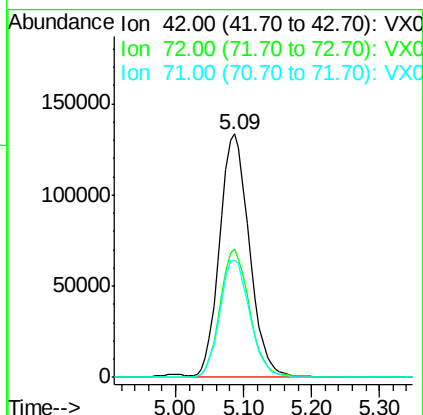
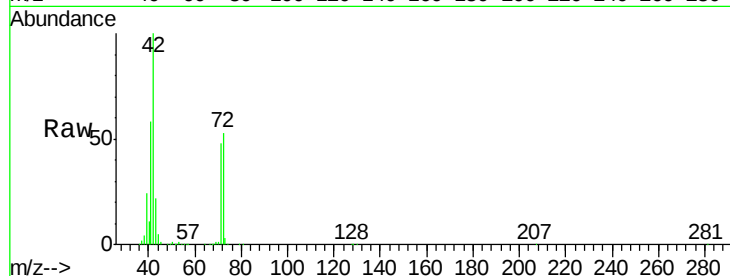




#29  
Tetrahydrofuran  
Concen: 258.698 ug/l  
RT: 5.09 min Scan# 656  
Delta R.T. 0.01 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

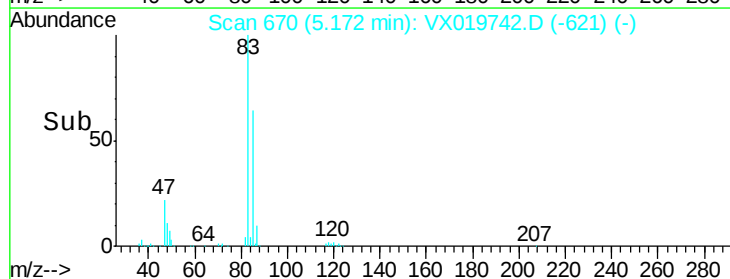
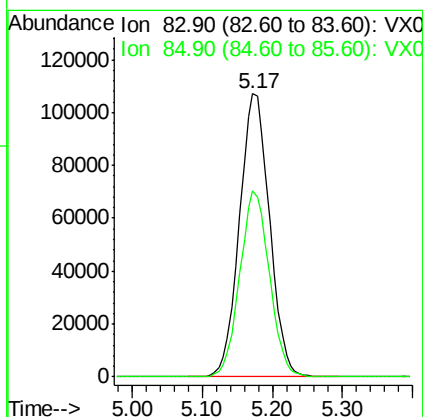
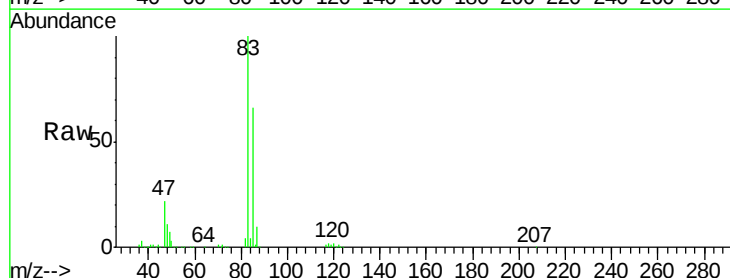
Instrument :  
MSVOA\_X  
ClientSampleId :  
ID039-39MWE2S-120320MS

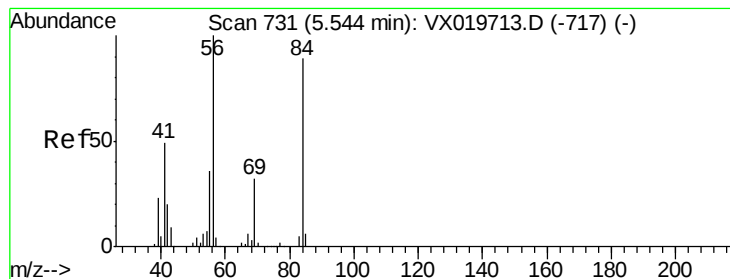
Tot Ion: 42 Resp: 404166  
Ion Ratio Lower Upper  
42 100  
72 52.7 41.7 62.5  
71 48.8 38.4 57.6



#30  
Chloroform  
Concen: 51.675 ug/l  
RT: 5.17 min Scan# 670  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

Tgt Ion: 83 Resp: 320226  
Ion Ratio Lower Upper  
83 100  
85 65.6 52.0 78.0





#31

Cyclohexane

Concen: 50.909 ug/l

RT: 5.54 min Scan# 731

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

ID039-39MWE2S-120320MS

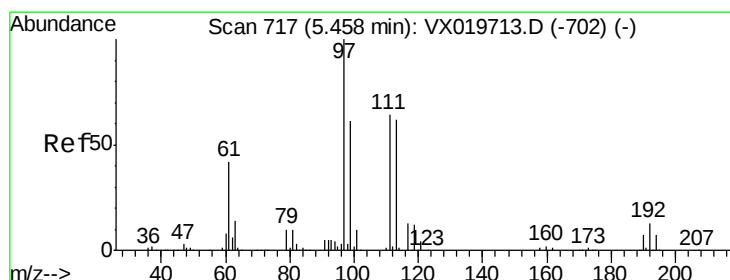
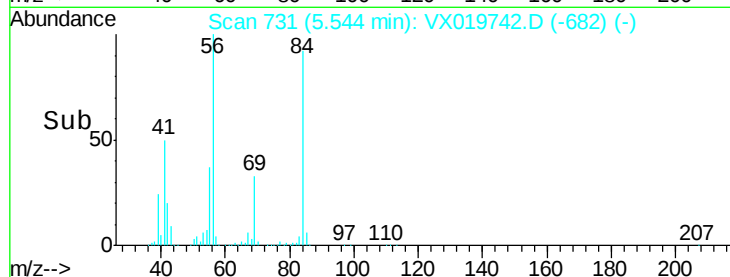
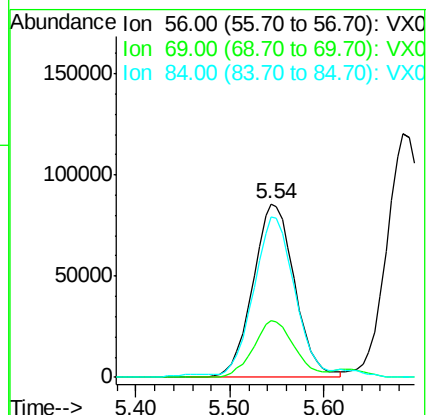
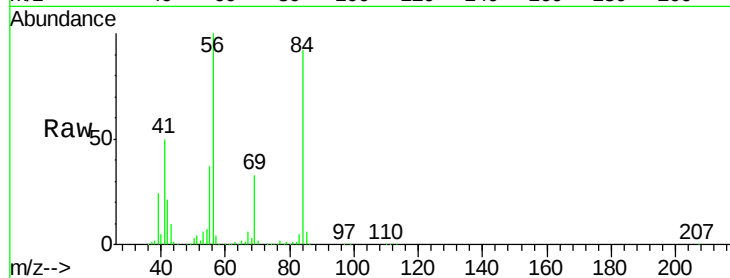
Tot Ion: 56 Resp: 265869

Ion Ratio Lower Upper

56 100

69 32.9 25.3 37.9

84 90.5 71.4 107.0



#32

1,1,1-Trichloroethane

Concen: 51.197 ug/l

RT: 5.46 min Scan# 717

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

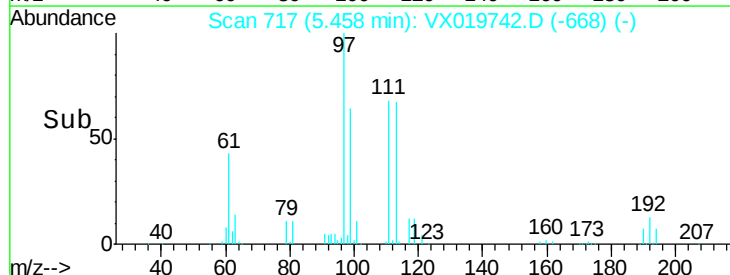
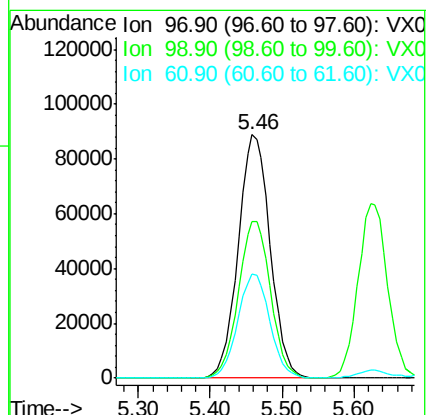
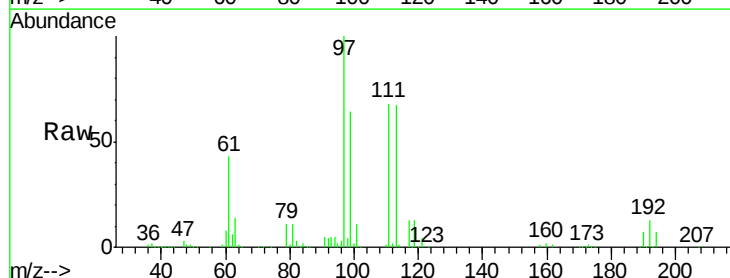
Tgt Ion: 97 Resp: 273219

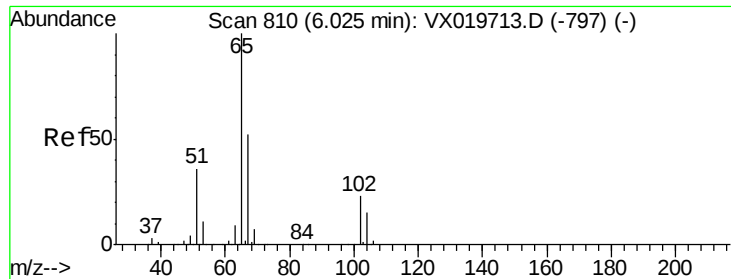
Ion Ratio Lower Upper

97 100

99 64.7 51.5 77.3

61 43.2 34.2 51.4

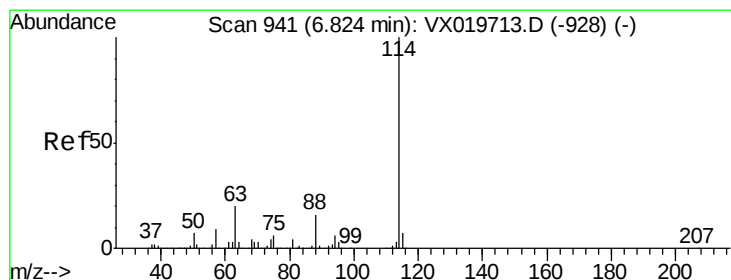
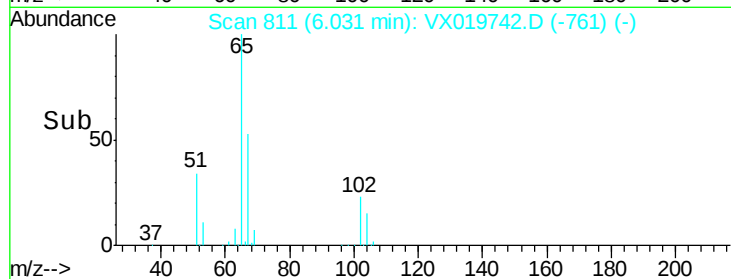
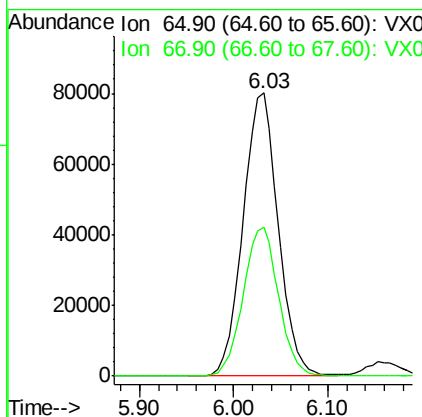
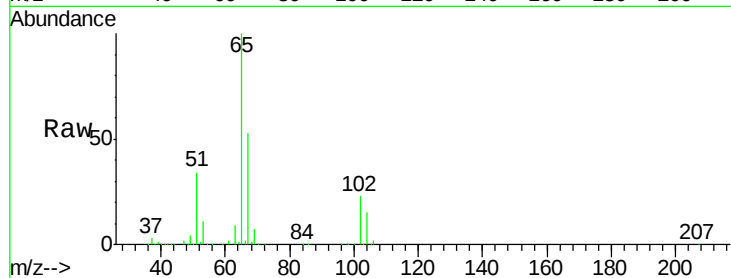




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.910 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. 0.01 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

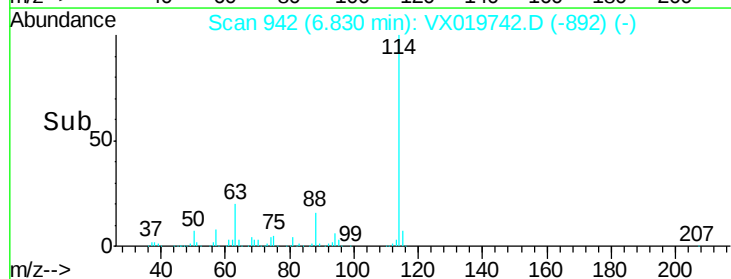
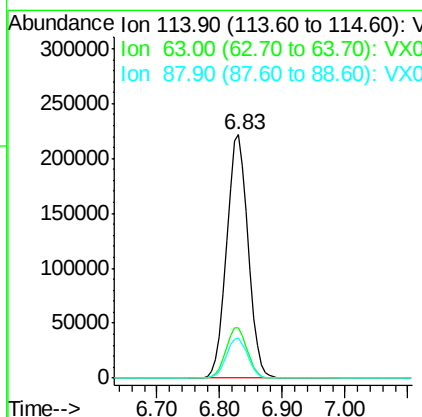
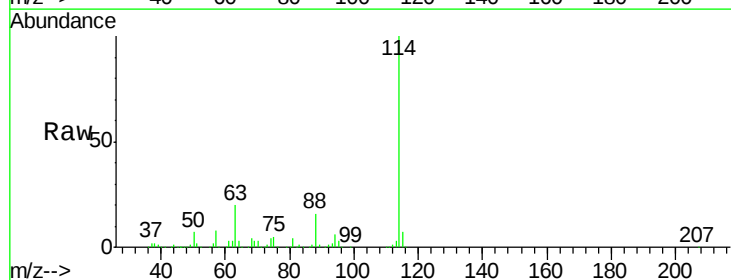
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ID039-39MWE2S-120320MS

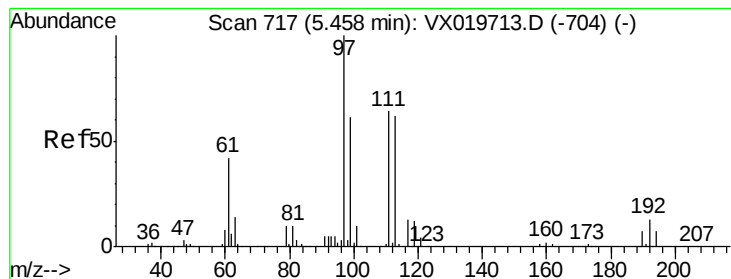
Tot Ion: 65 Resp: 209541  
 Ion Ratio Lower Upper  
 65 100  
 67 53.0 0.0 105.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. 0.01 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

Tgt Ion: 114 Resp: 523692  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 40.8  
 88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.517 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

ID039-39MWE2S-120320MS

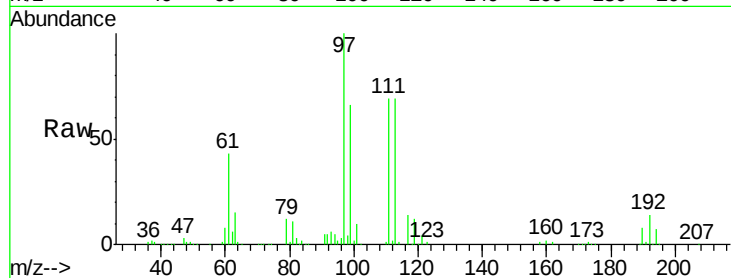
Tot Ion:113 Resp: 170978

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

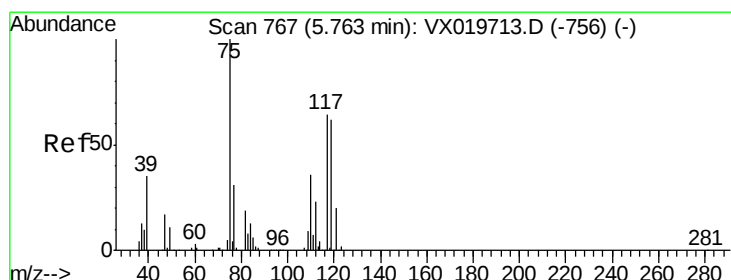
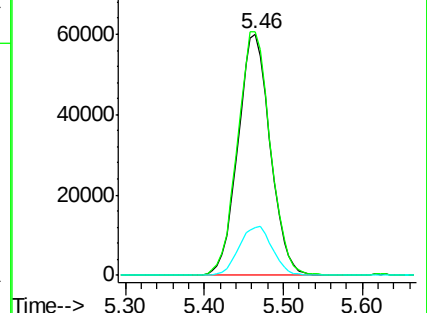
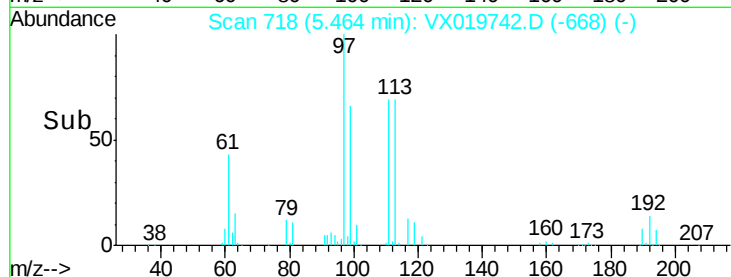
192 21.0 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.026 ug/l

RT: 5.77 min Scan# 768

Delta R.T. 0.01 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

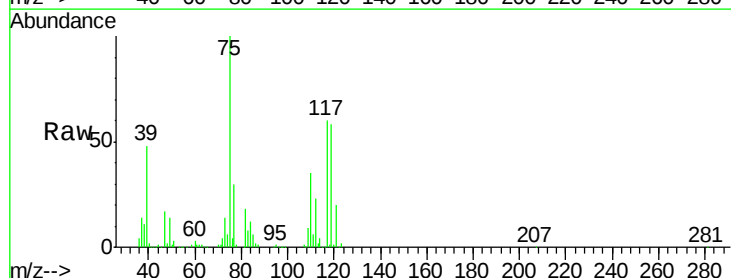
Tgt Ion: 75 Resp: 236735

Ion Ratio Lower Upper

75 100

110 35.9 18.1 54.4

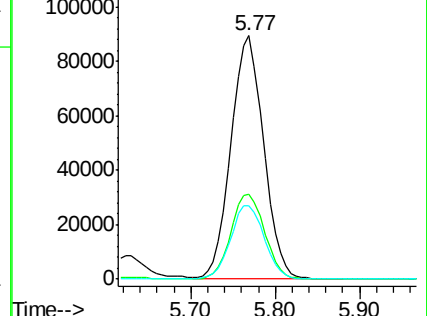
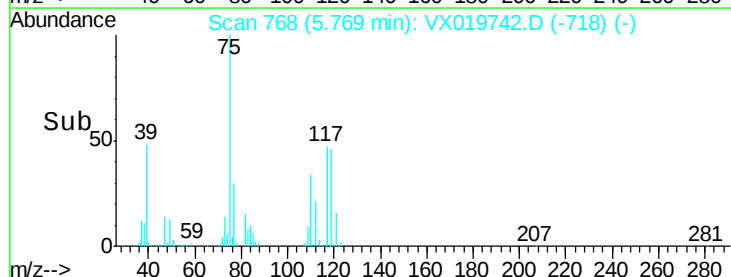
77 31.5 25.3 37.9

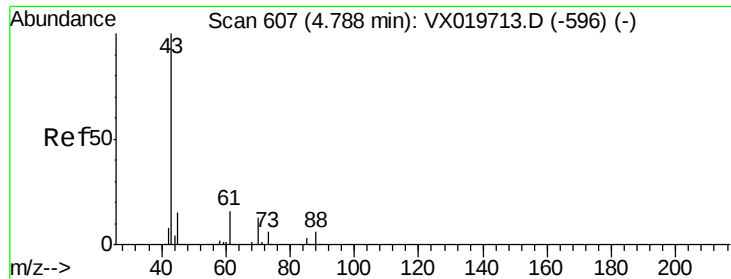


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

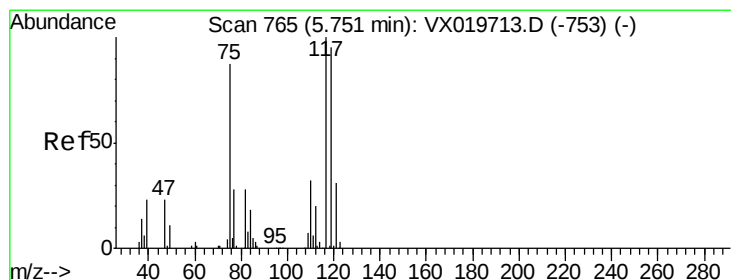
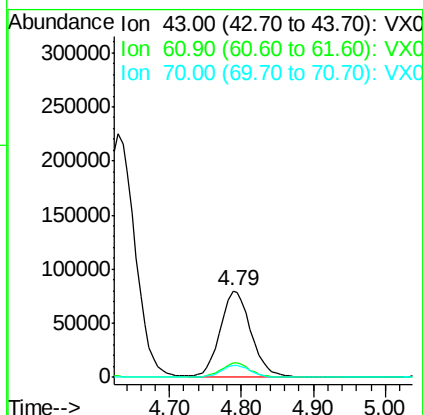
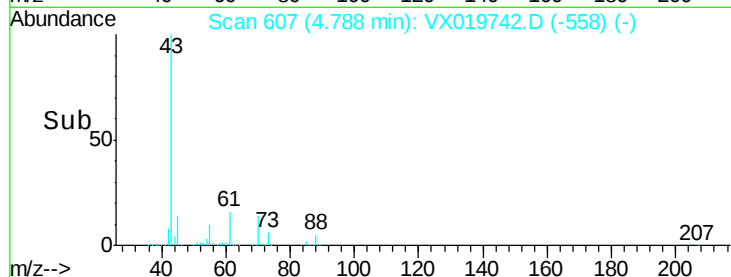
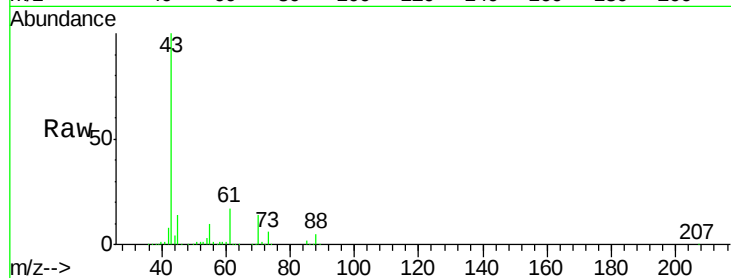




#37  
Ethyl Acetate  
Concen: 49.491 ug/l  
RT: 4.79 min Scan# 607  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

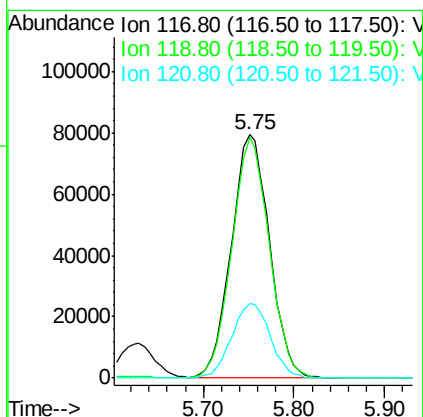
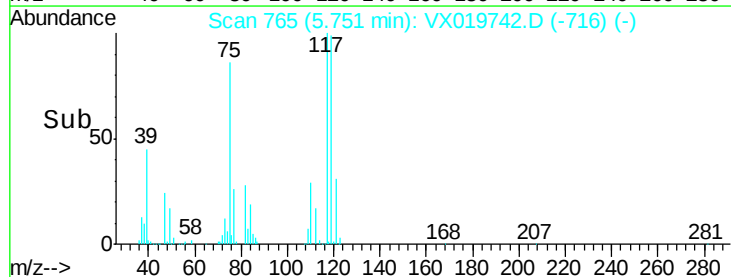
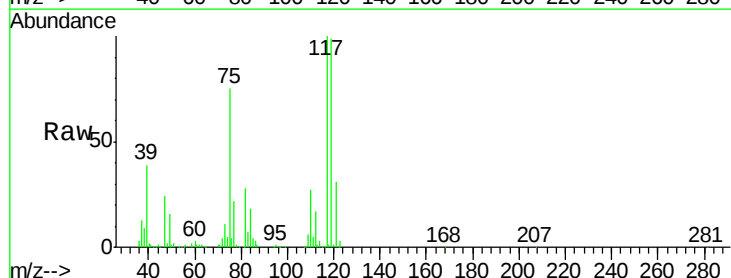
Instrument :  
MSVOA\_X  
ClientSampleId :  
ID039-39MWE2S-120320MS

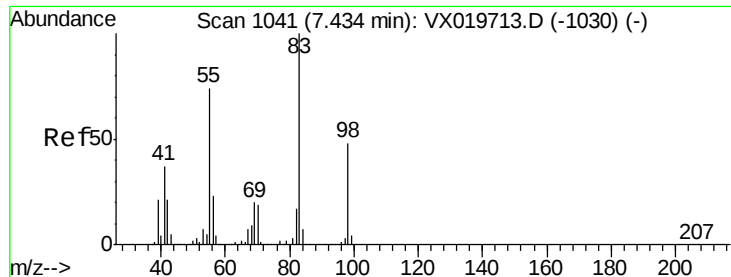
Tot Ion: 43 Resp: 236469  
Ion Ratio Lower Upper  
43 100  
61 15.8 12.8 19.2  
70 13.0 10.5 15.7



#38  
Carbon Tetrachloride  
Concen: 50.164 ug/l  
RT: 5.75 min Scan# 765  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

Tgt Ion: 117 Resp: 232463  
Ion Ratio Lower Upper  
117 100  
119 98.8 76.2 114.2  
121 30.6 24.8 37.2

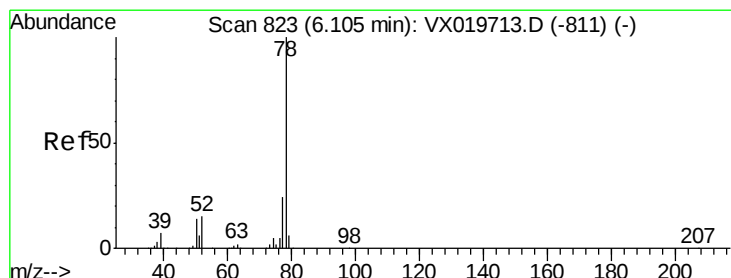
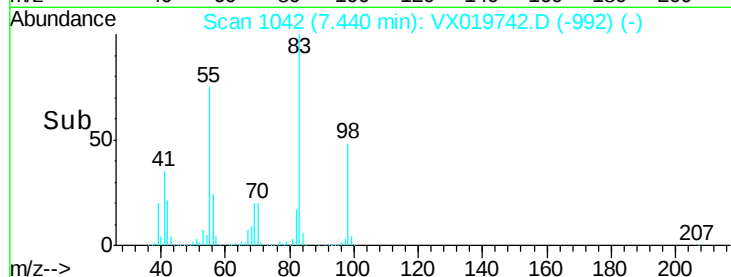
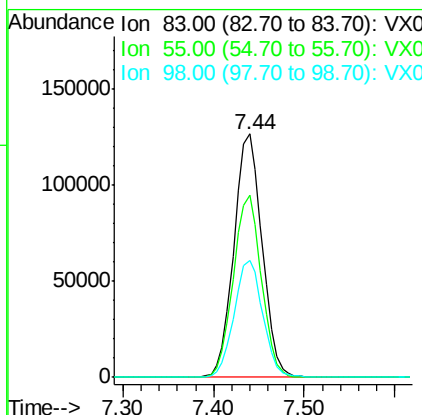
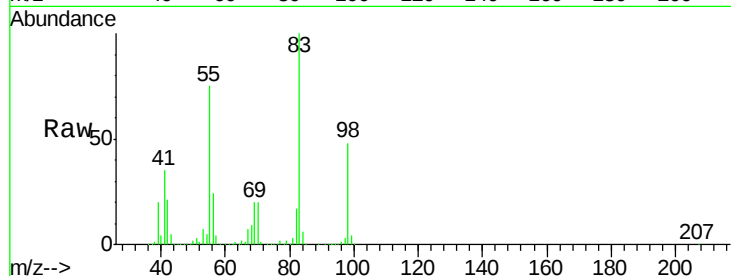




#39  
Methvlcvclohexane  
Concen: 49.070 ug/l  
RT: 7.44 min Scan# 1042  
Delta R.T. 0.01 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

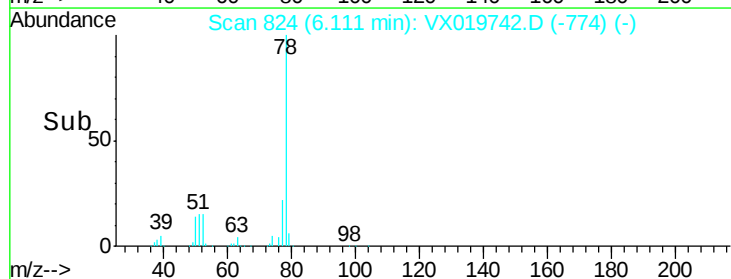
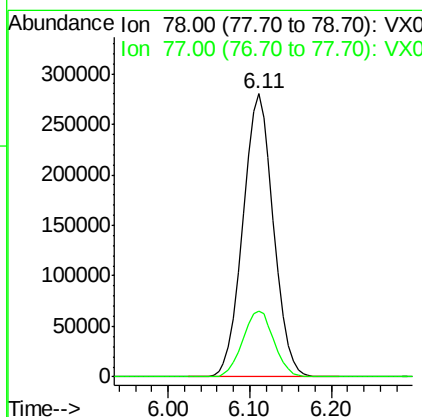
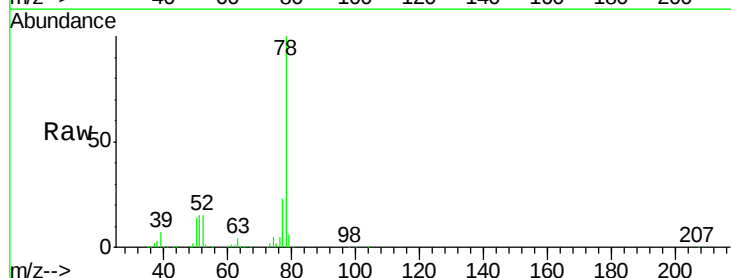
Instrument :  
MSVOA\_X  
ClientSampleId :  
ID039-39MWE2S-120320MS

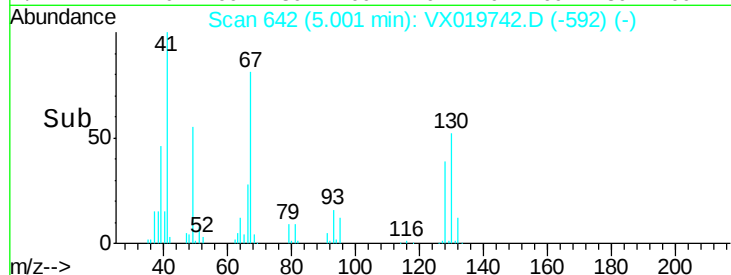
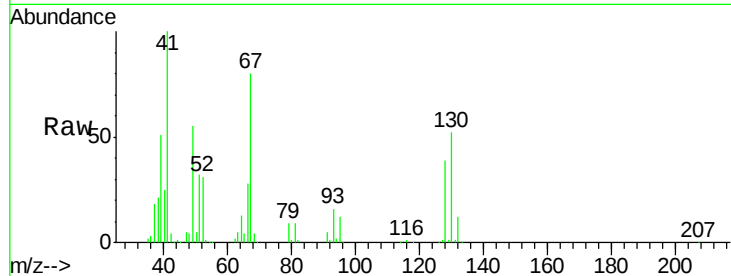
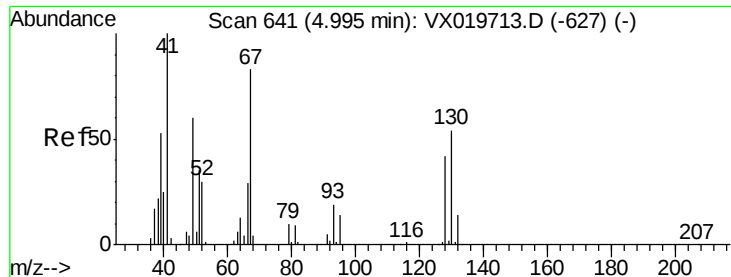
Tot Ion: 83 Resp: 272823  
Ion Ratio Lower Upper  
83 100  
55 75.0 58.9 88.3  
98 48.3 38.1 57.1



#40  
Benzene  
Concen: 50.270 ug/l  
RT: 6.11 min Scan# 824  
Delta R.T. 0.01 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

Tgt Ion: 78 Resp: 726690  
Ion Ratio Lower Upper  
78 100  
77 23.3 18.9 28.3

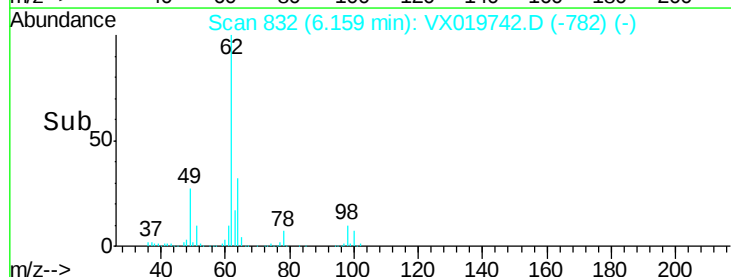
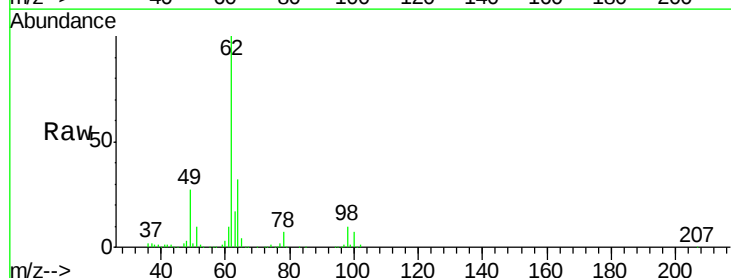
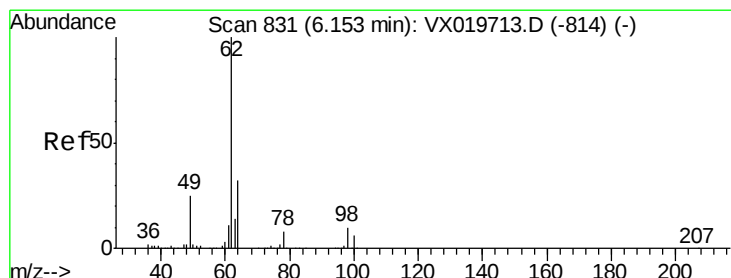
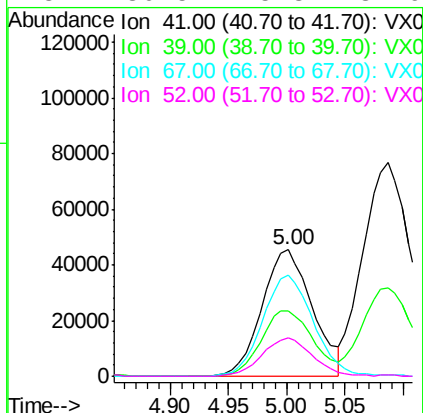




#41  
Methacrylonitrile  
Concen: 52.000 ug/l  
RT: 5.00 min Scan# 642  
Delta R.T. 0.01 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

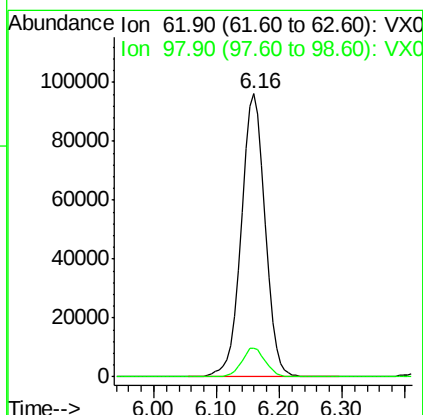
Instrument :  
MSVOA\_X  
ClientSampleId :  
ID039-39MWE2S-120320MS

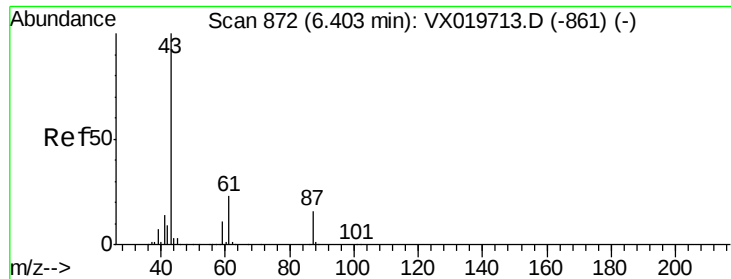
Tot Ion: 41 Resp: 136414  
Ion Ratio Lower Upper  
41 100  
39 53.1 42.5 63.7  
67 80.5 65.0 97.6  
52 30.5 25.3 37.9



#42  
1,2-Dichloroethane  
Concen: 51.231 ug/l  
RT: 6.16 min Scan# 832  
Delta R.T. 0.01 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

Tgt Ion: 62 Resp: 253030  
Ion Ratio Lower Upper  
62 100  
98 10.0 0.0 20.2



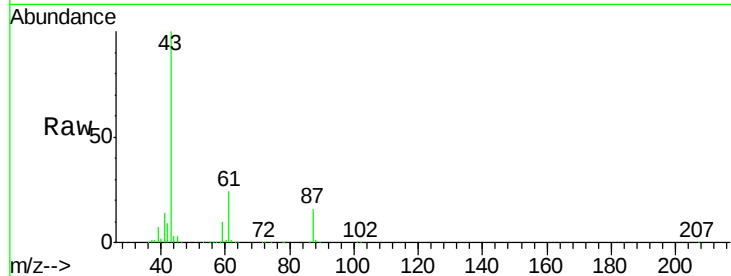


#43

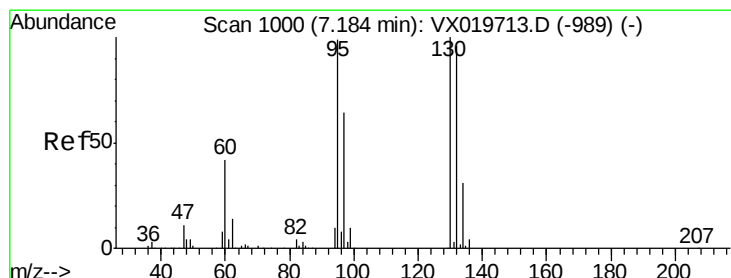
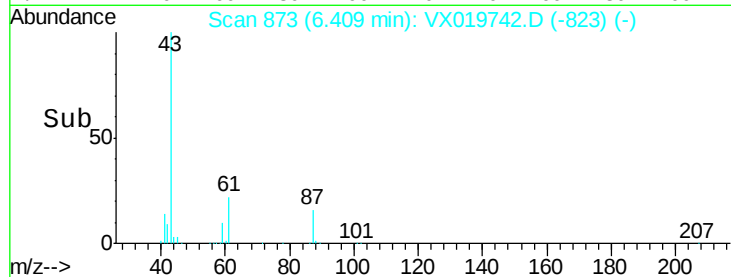
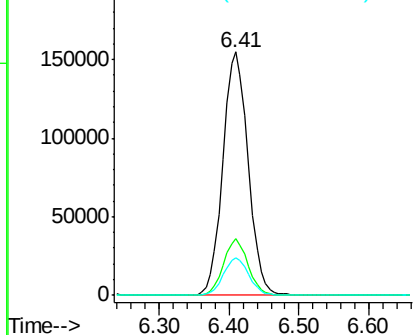
Isopropyl Acetate  
 Concen: 49.747 ug/l  
 RT: 6.41 min Scan# 873  
 Delta R.T. 0.01 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ID039-39MWE2S-120320MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 22.8  | 18.2  | 27.4  |
| 87      | 15.5  | 12.5  | 18.7  |



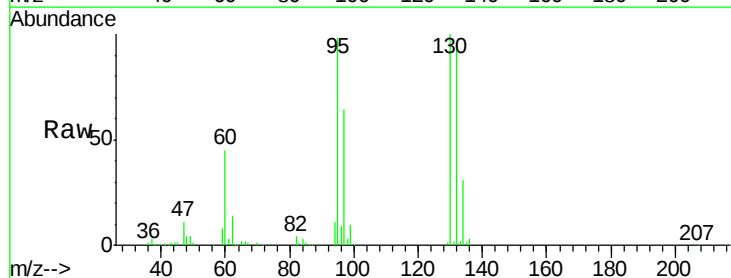
Abundance Ion 43.00 (42.70 to 43.70): VX0  
 Ion 61.00 (60.70 to 61.70): VX0  
 Ion 87.00 (86.70 to 87.70): VX0



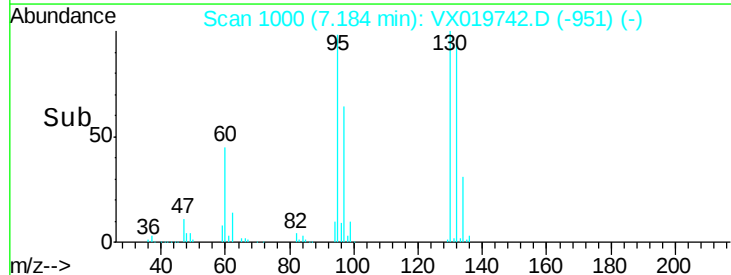
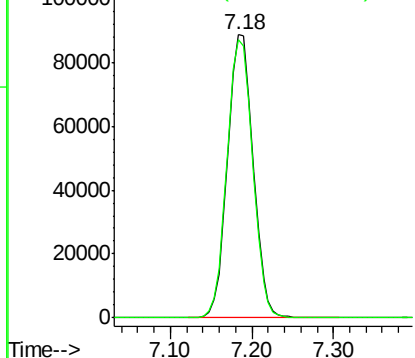
#44

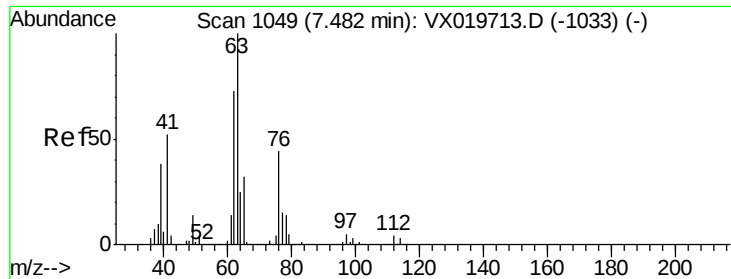
Trichloroethene  
 Concen: 50.436 ug/l  
 RT: 7.18 min Scan# 1000  
 Delta R.T. 0.00 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 98.2  | 0.0   | 198.0 |



Abundance Ion 129.80 (129.50 to 130.50): V  
 Ion 94.90 (94.60 to 95.60): VX0

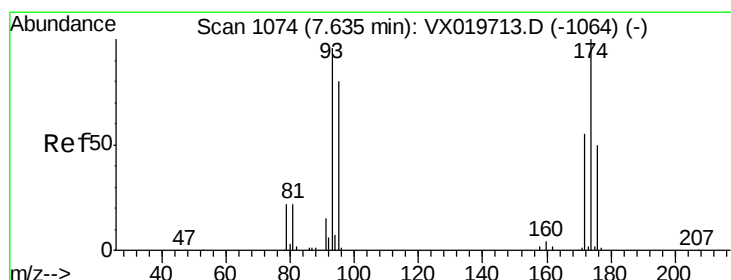
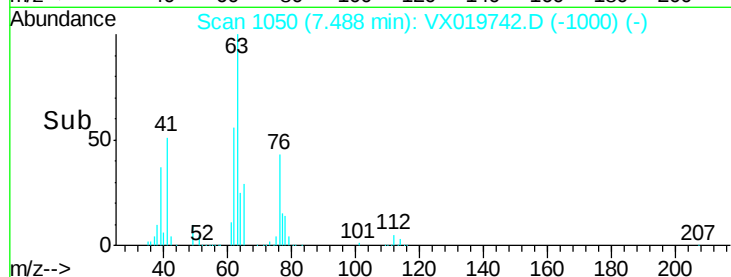
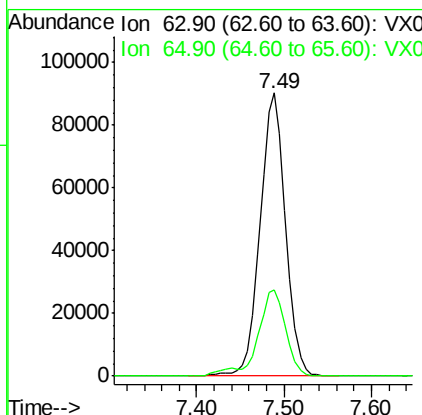
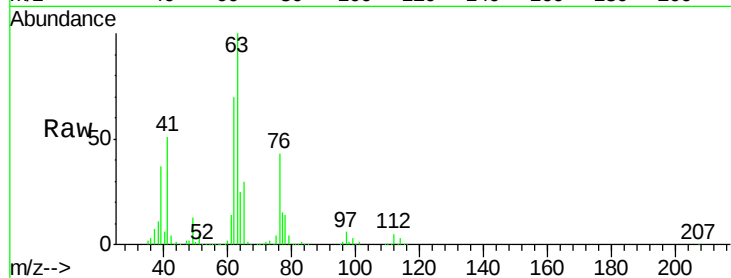




#45  
 1,2-Dichloropropane  
 Concen: 50.736 ug/l  
 RT: 7.49 min Scan# 1050  
 Delta R.T. 0.01 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

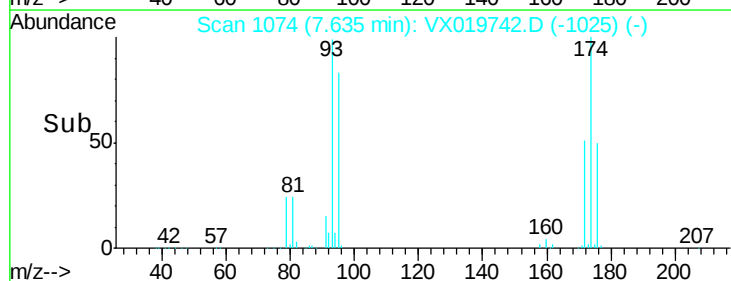
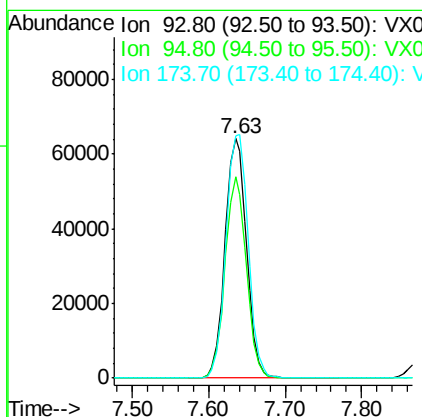
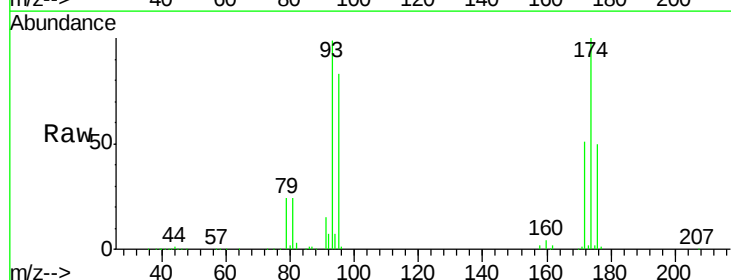
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ID039-39MWE2S-120320MS

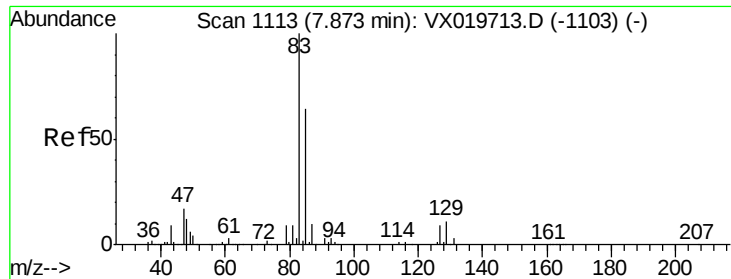
Tot Ion: 63 Resp: 183304  
 Ion Ratio Lower Upper  
 63 100  
 65 30.4 25.7 38.5



#46  
 Dibromomethane  
 Concen: 51.153 ug/l  
 RT: 7.63 min Scan# 1074  
 Delta R.T. 0.00 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

Tgt Ion: 93 Resp: 124804  
 Ion Ratio Lower Upper  
 93 100  
 95 83.2 66.8 100.2  
 174 104.9 83.1 124.7

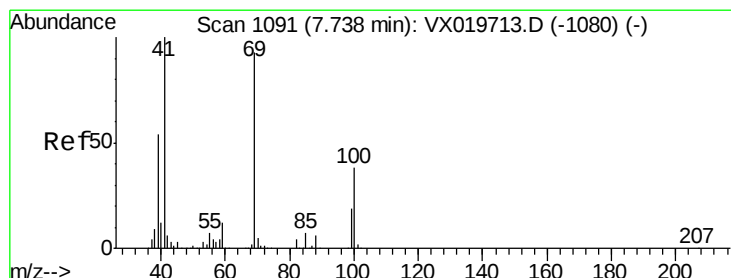
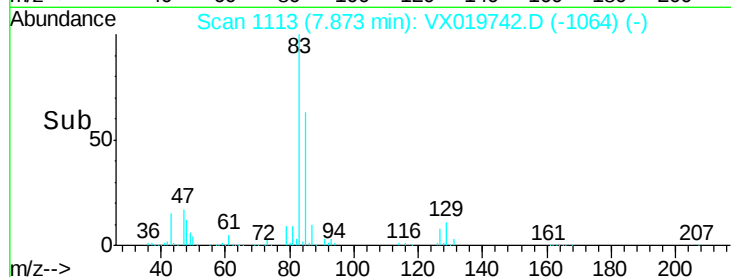
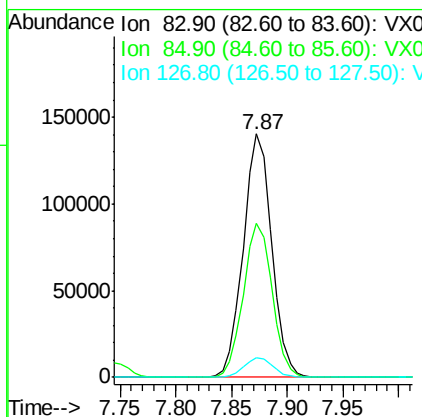
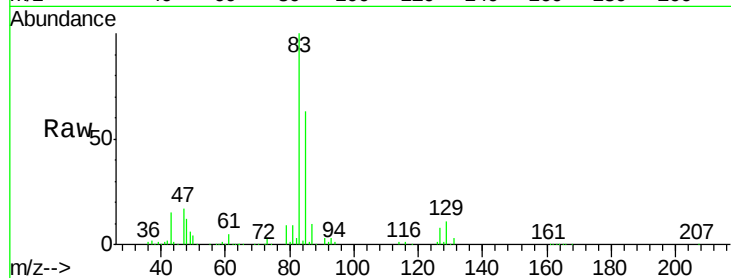




#47  
Bromodichloromethane  
Concen: 51.522 ug/l  
RT: 7.87 min Scan# 1113  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

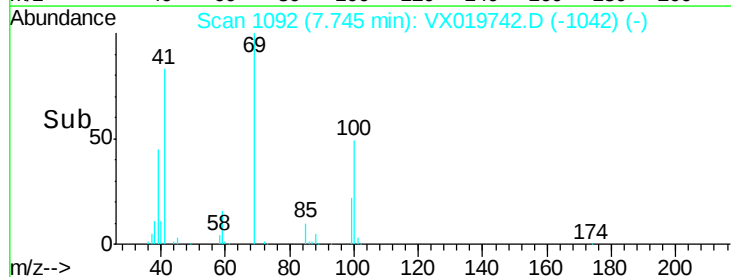
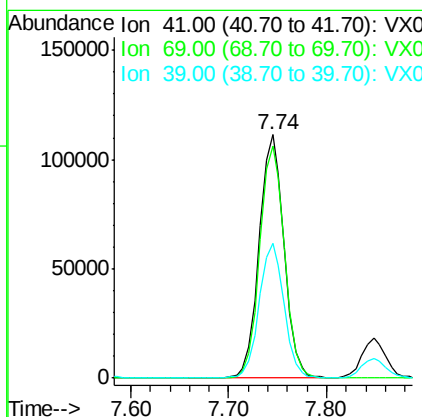
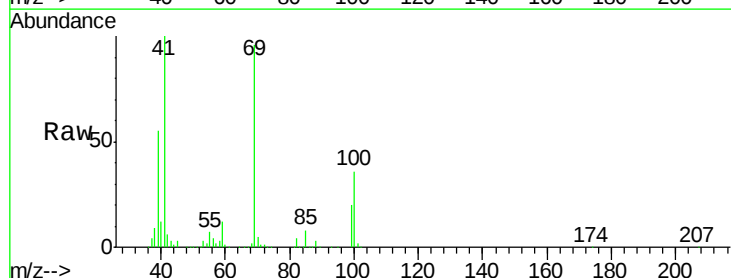
Instrument :  
MSVOA\_X  
ClientSampleId :  
ID039-39MWE2S-120320MS

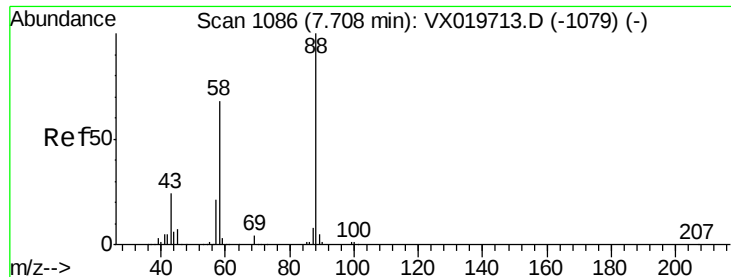
Tot Ion: 83 Resp: 249439  
Ion Ratio Lower Upper  
83 100  
85 63.5 51.4 77.0  
127 7.9 6.8 10.2



#48  
Methyl methacrylate  
Concen: 51.616 ug/l  
RT: 7.74 min Scan# 1092  
Delta R.T. 0.01 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

Tgt Ion: 41 Resp: 197196  
Ion Ratio Lower Upper  
41 100  
69 95.6 76.0 114.0  
39 55.8 44.6 67.0

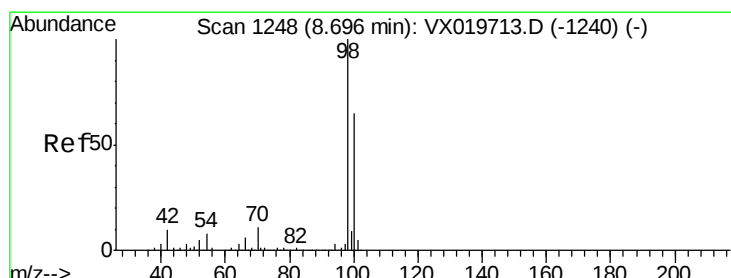
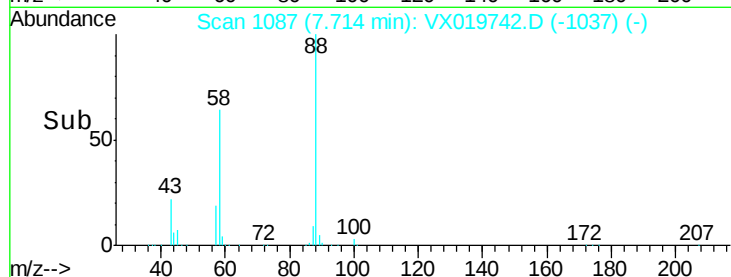
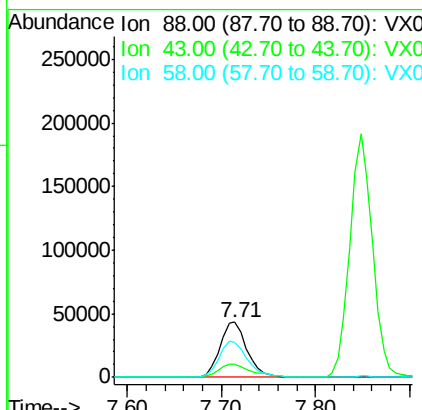
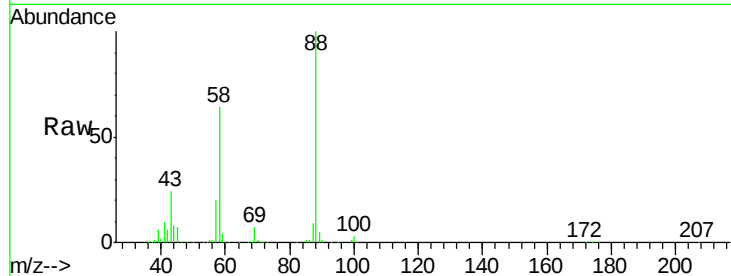




#49  
1,4-Dioxane  
Concen: 936.560 ug/l  
RT: 7.71 min Scan# 1087  
Delta R.T. 0.01 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

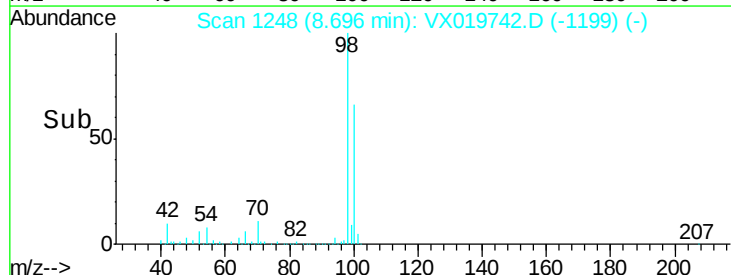
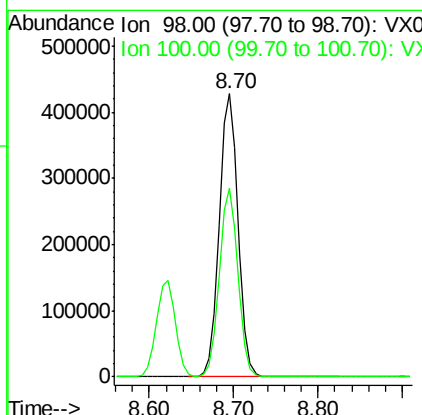
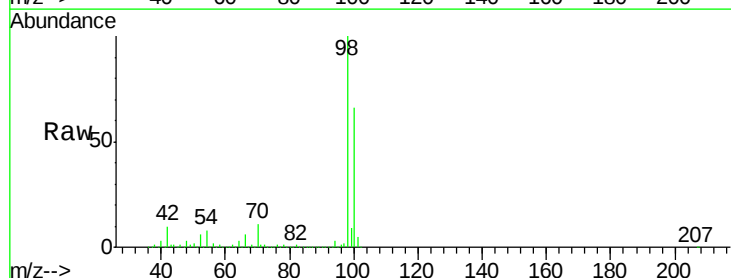
Instrument :  
MSVOA\_X  
ClientSampleId :  
ID039-39MWE2S-120320MS

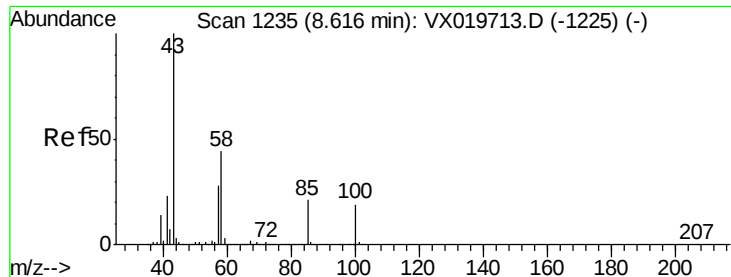
| Tot Ion | 88    | Resp  | 86677 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 29.1  | 23.2  | 34.8  |
| 58      | 68.7  | 55.0  | 82.4  |



#50  
Toluene-d8  
Concen: 50.891 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

| Tgt Ion | 98    | Resp  | 657581 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 66.1  | 51.9  | 77.9   |

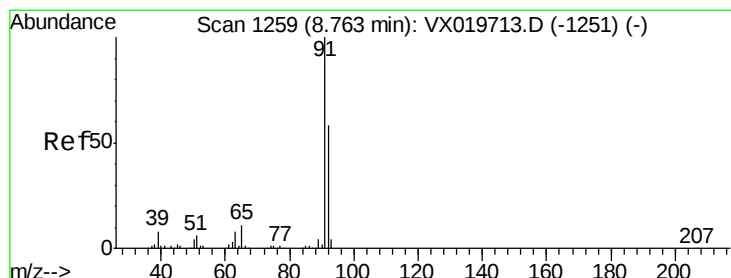
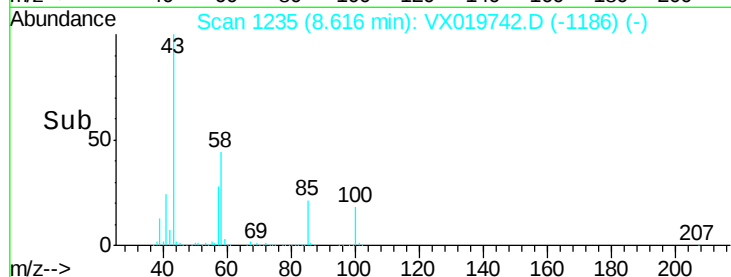
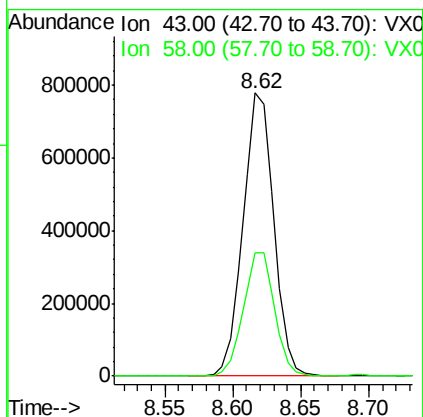
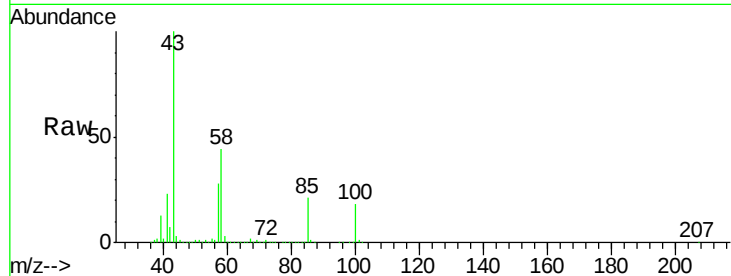




#51  
 4-Methyl-2-Pentanone  
 Concen: 259.483 ug/l  
 RT: 8.62 min Scan# 1235  
 Delta R.T. 0.00 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

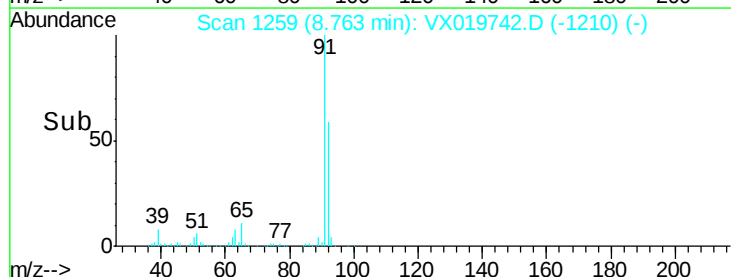
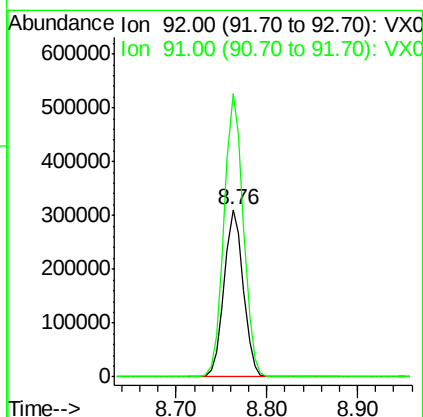
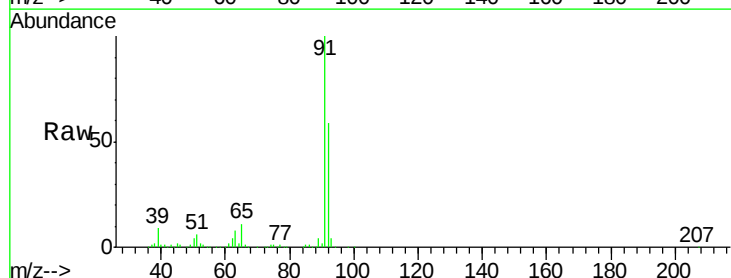
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ID039-39MWE2S-120320MS

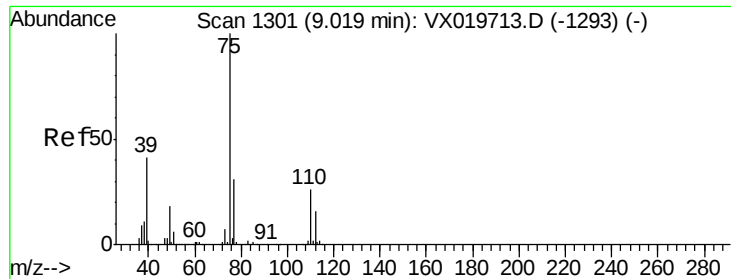
Tot Ion: 43 Resp: 1230636  
 Ion Ratio Lower Upper  
 43 100  
 58 44.4 35.4 53.0



#52  
 Toluene  
 Concen: 50.786 ug/l  
 RT: 8.76 min Scan# 1259  
 Delta R.T. 0.00 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

Tgt Ion: 92 Resp: 459161  
 Ion Ratio Lower Upper  
 92 100  
 91 170.1 137.1 205.7

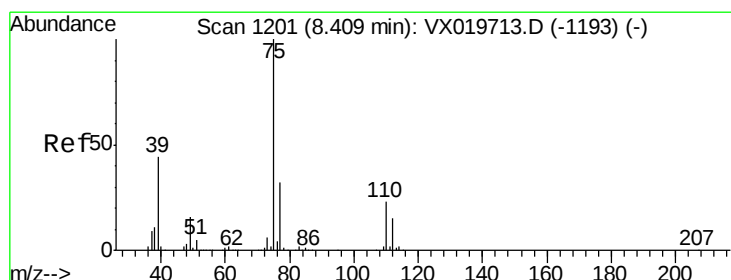
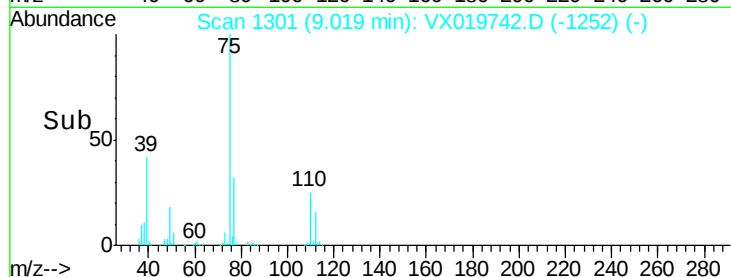
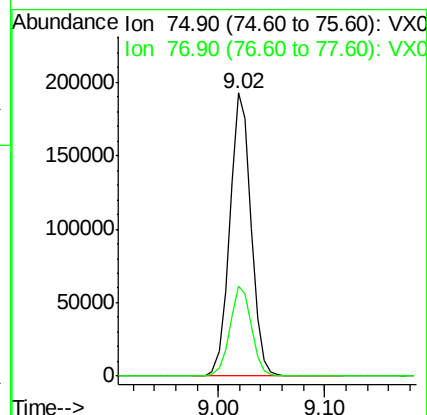
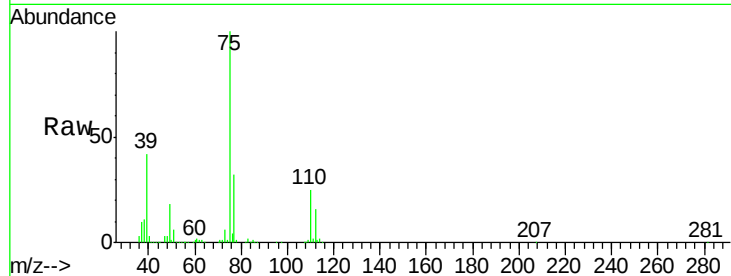




#53  
t-1,3-Dichloropropene  
Concen: 50.165 ug/l  
RT: 9.02 min Scan# 1301  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

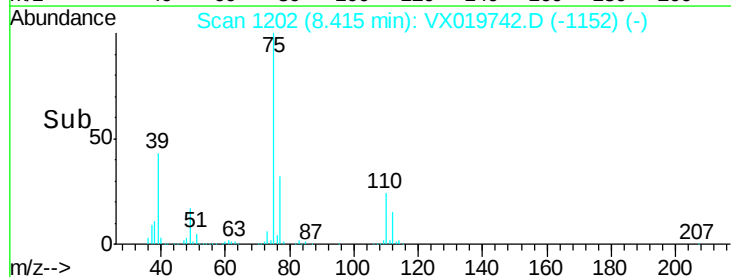
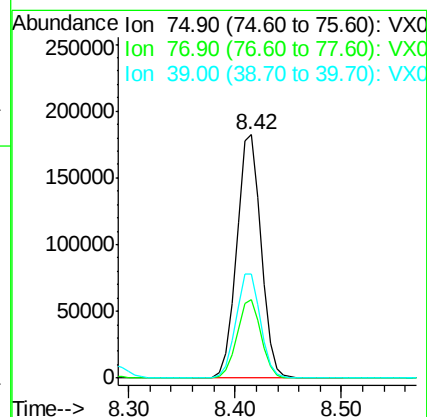
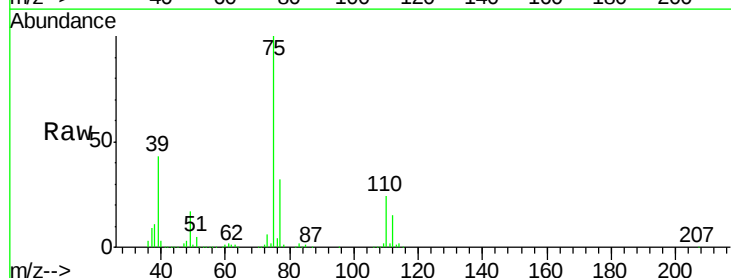
Instrument :  
MSVOA\_X  
ClientSampleId :  
ID039-39MWE2S-120320MS

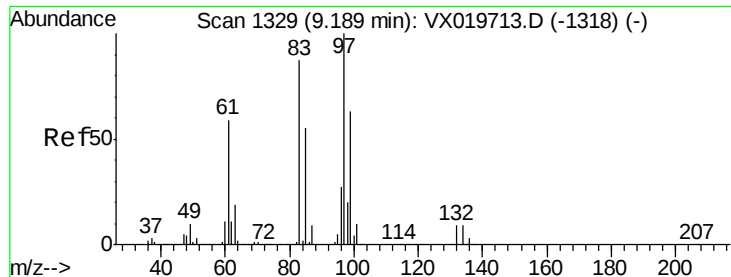
Tot Ion: 75 Resp: 269506  
Ion Ratio Lower Upper  
75 100  
77 31.6 24.9 37.3



#54  
cis-1,3-Dichloropropene  
Concen: 50.229 ug/l  
RT: 8.42 min Scan# 1202  
Delta R.T. 0.01 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

Tgt Ion: 75 Resp: 293170  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.7 38.5  
39 42.7 35.1 52.7

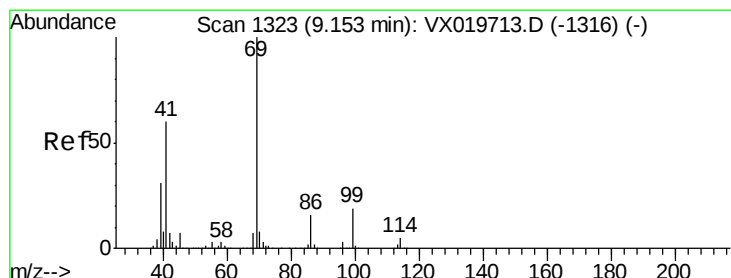
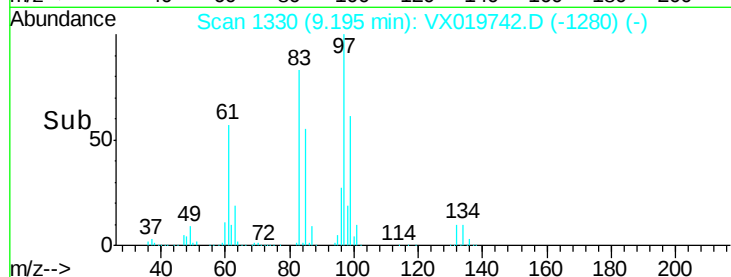
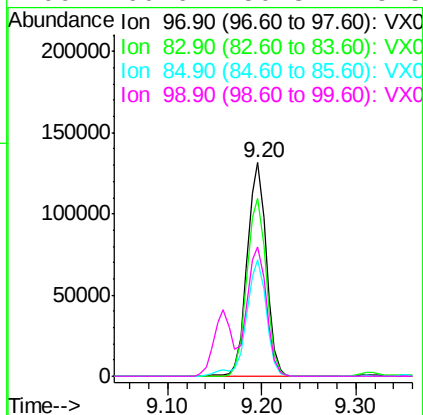
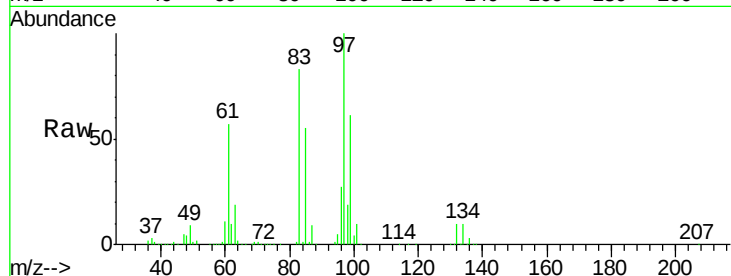




#55  
 1,1,2-Trichloroethane  
 Concen: 51.636 ug/l  
 RT: 9.20 min Scan# 1330  
 Delta R.T. 0.01 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

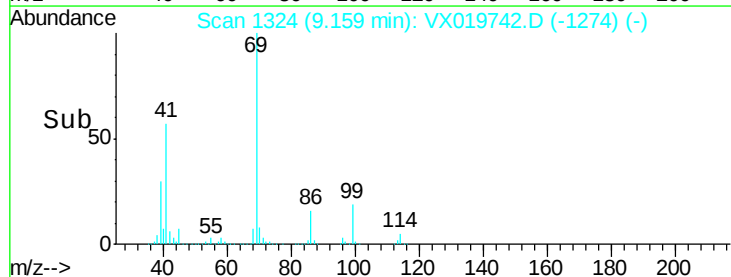
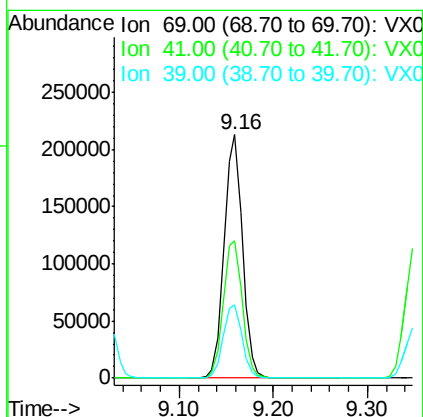
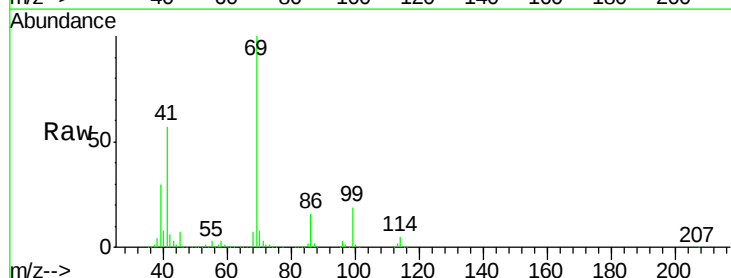
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ID039-39MWE2S-120320MS

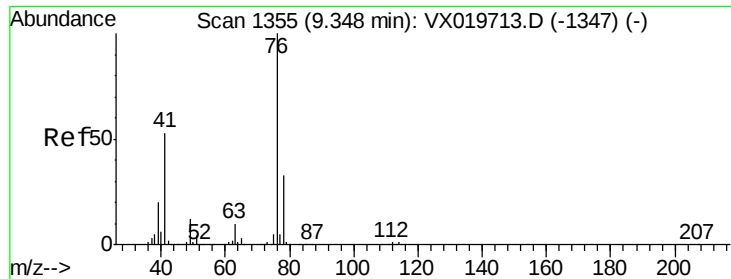
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 188133 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 83.3  | 69.3  | 103.9  |
| 85       | 54.7  | 44.3  | 66.5   |
| 99       | 60.6  | 50.3  | 75.5   |



#56  
 Ethyl methacrylate  
 Concen: 52.156 ug/l  
 RT: 9.16 min Scan# 1324  
 Delta R.T. 0.01 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 287504 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 58.0  | 46.8  | 70.2   |
| 39       | 31.1  | 24.7  | 37.1   |





#57

1,3-Dichloropropane

Concen: 50.601 ug/l

RT: 9.35 min Scan# 1355

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

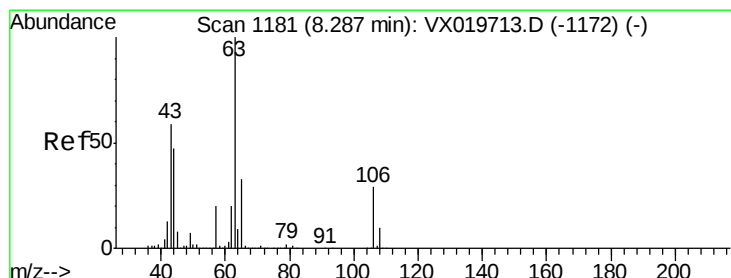
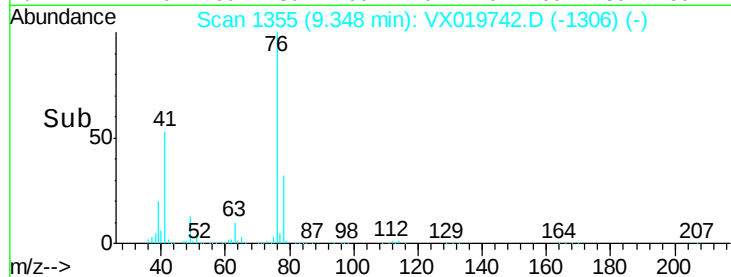
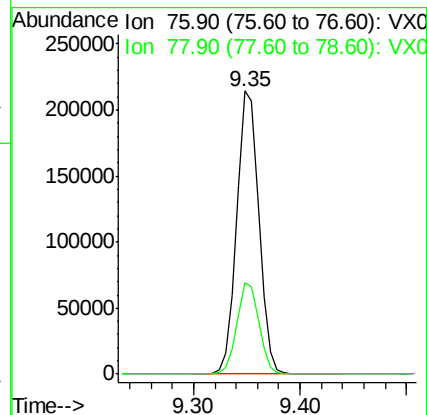
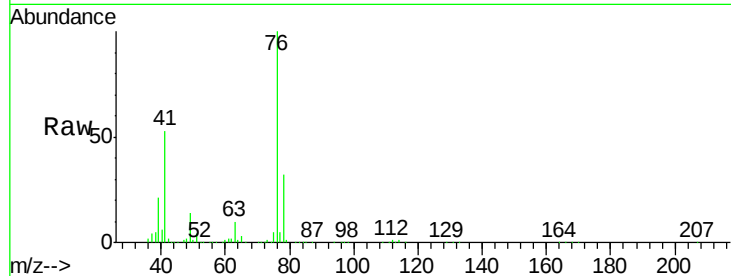
ID039-39MWE2S-120320MS

Tot Ion: 76 Resp: 314799

Ion Ratio Lower Upper

76 100

78 32.1 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 252.820 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX019742.D

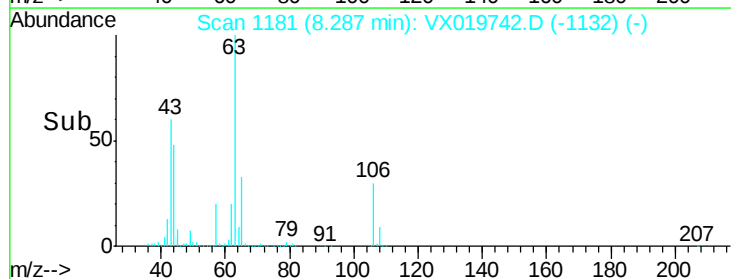
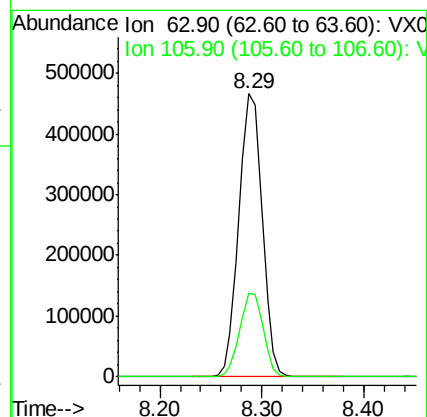
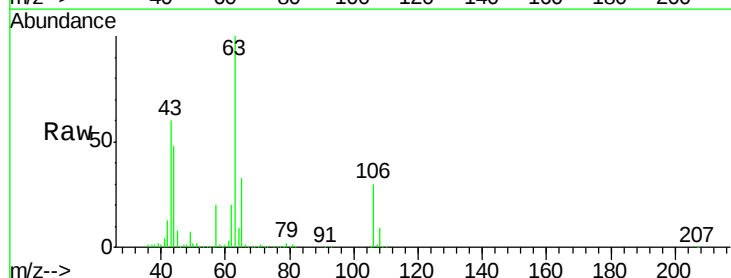
Acq: 05 Dec 2020 01:06

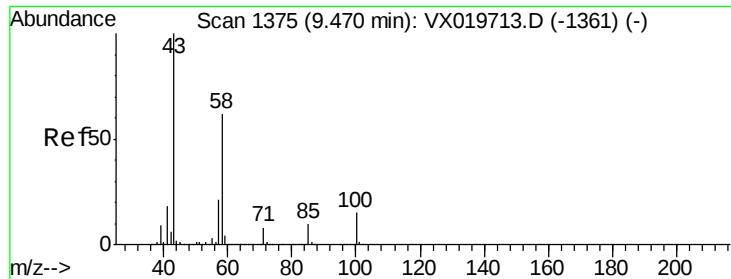
Tgt Ion: 63 Resp: 738299

Ion Ratio Lower Upper

63 100

106 29.7 23.5 35.3

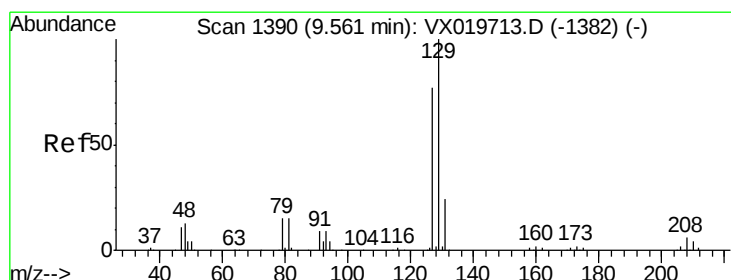
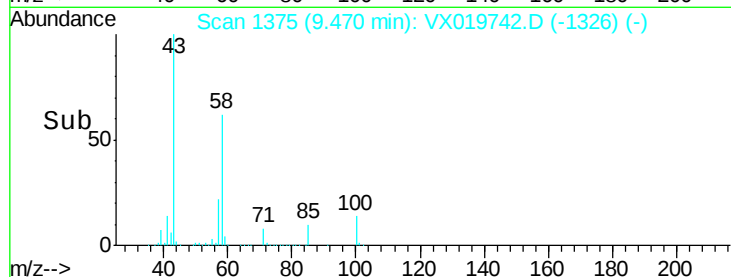
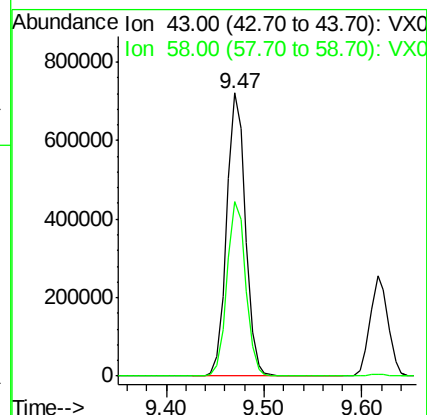
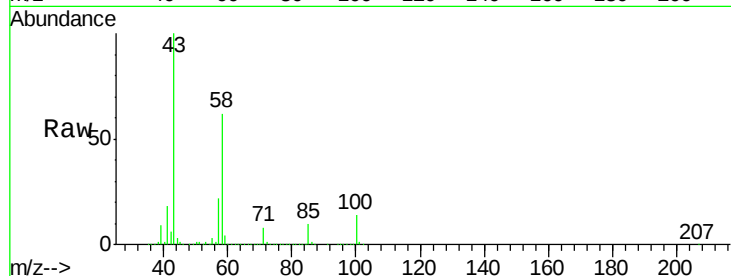




#59  
2-Hexanone  
Concen: 260.524 ug/l  
RT: 9.47 min Scan# 1375  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

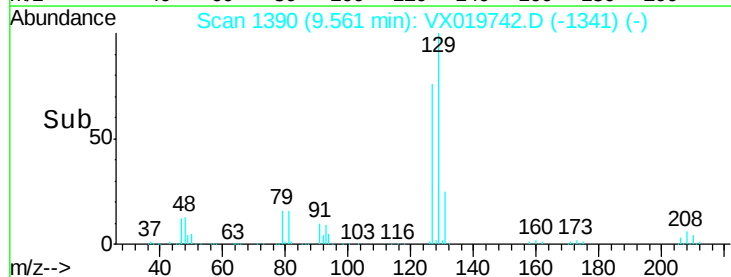
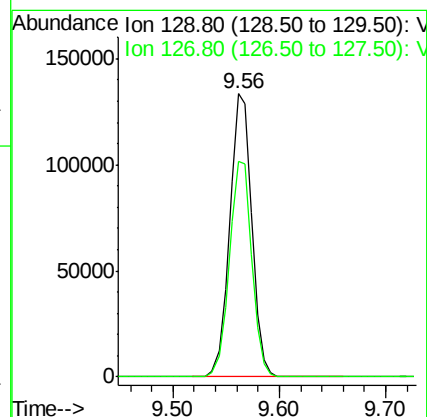
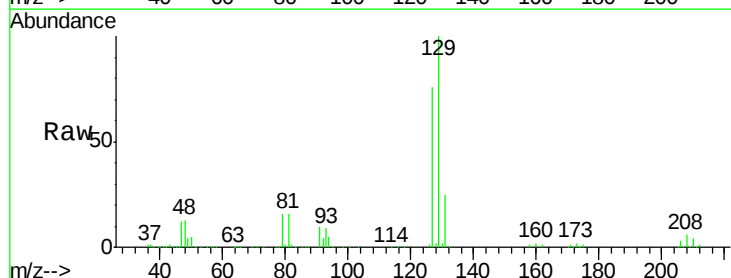
Instrument :  
MSVOA\_X  
ClientSampleId :  
ID039-39MWE2S-120320MS

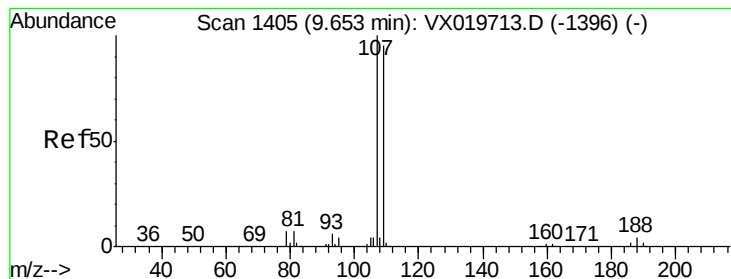
Tot Ion: 43 Resp: 957735  
Ion Ratio Lower Upper  
43 100  
58 61.8 30.9 92.8



#60  
Dibromochloromethane  
Concen: 52.298 ug/l  
RT: 9.56 min Scan# 1390  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

Tgt Ion: 129 Resp: 193590  
Ion Ratio Lower Upper  
129 100  
127 77.5 38.4 115.2





#61

1,2-Dibromoethane

Concen: 51.218 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

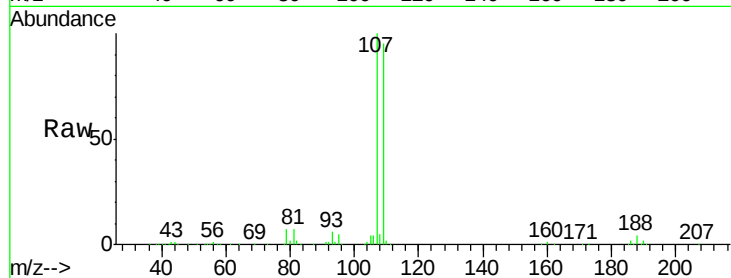
ID039-39MWE2S-120320MS

Tot Ion: 107 Resp: 198156

Ion Ratio Lower Upper

107 100

109 93.9 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

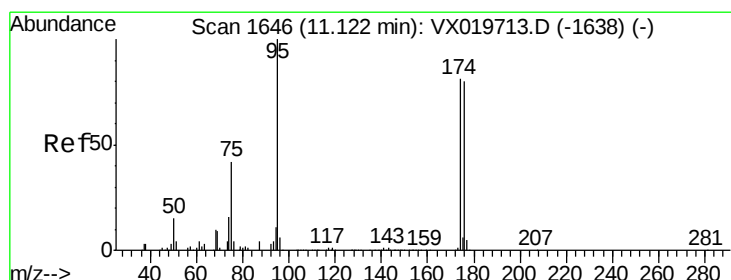
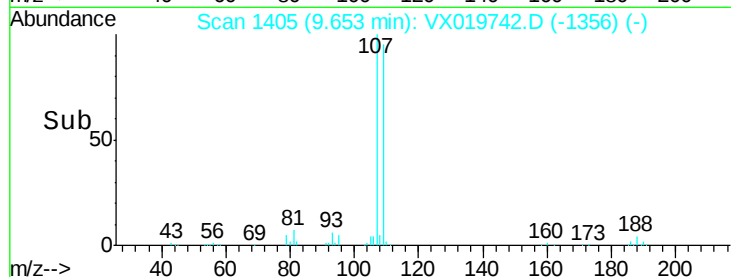
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.356 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

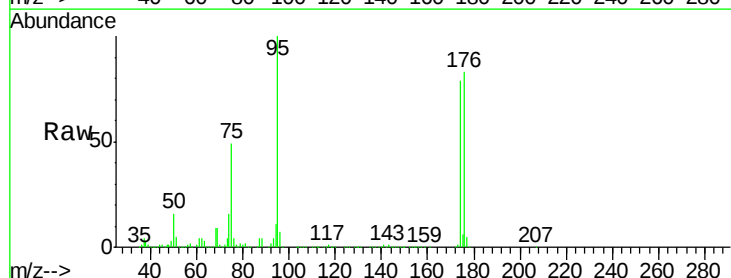
Tgt Ion: 95 Resp: 252571

Ion Ratio Lower Upper

95 100

174 76.8 0.0 154.6

176 77.6 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

250000

200000

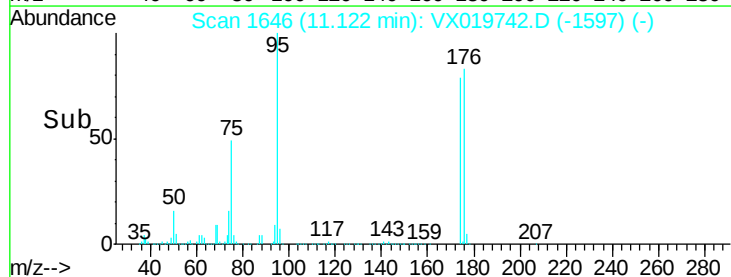
150000

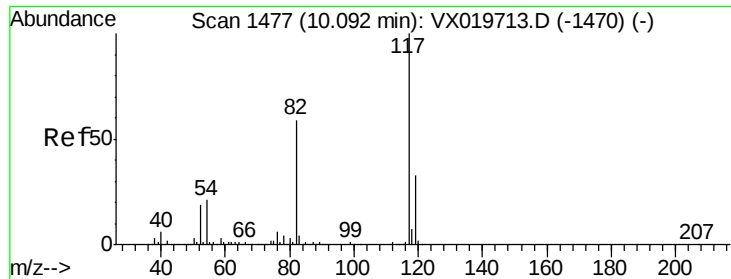
100000

50000

0

Time-->

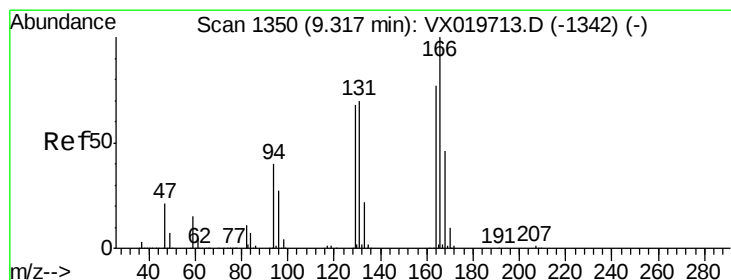
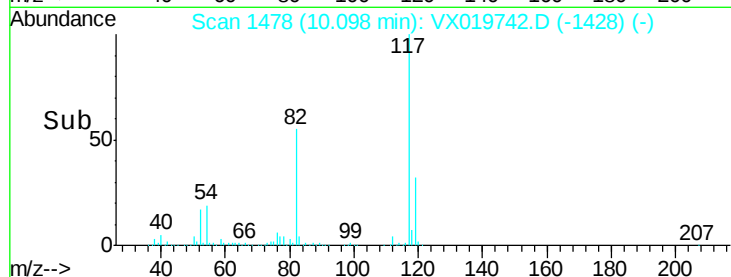
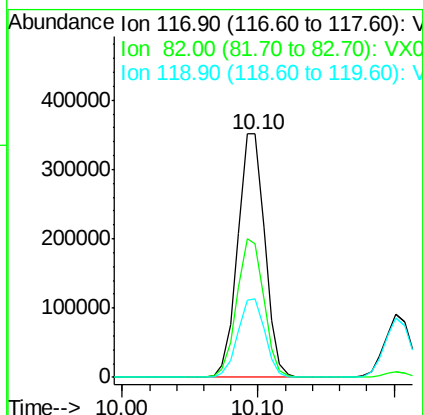
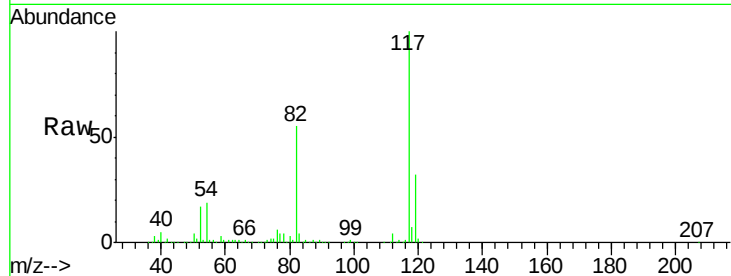




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.01 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

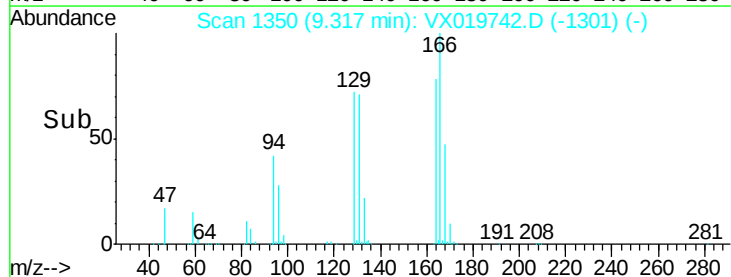
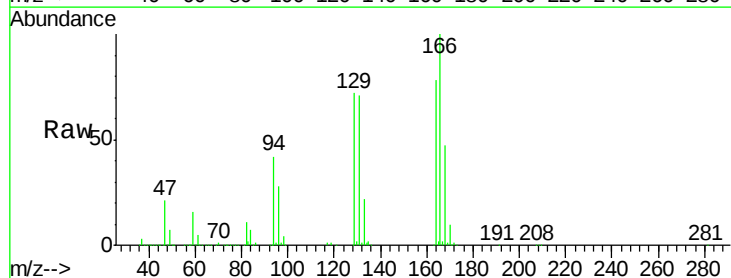
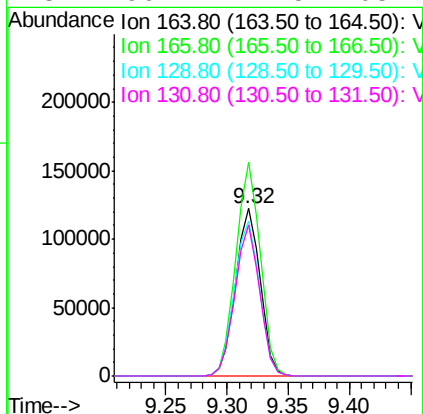
Instrument :  
MSVOA\_X  
ClientSampleId :  
ID039-39MWE2S-120320MS

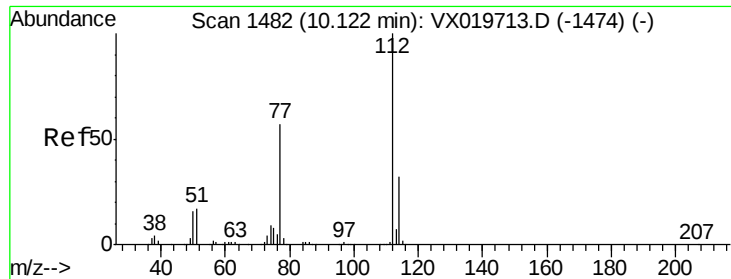
Tot Ion:117 Resp: 486975  
Ion Ratio Lower Upper  
117 100  
82 54.8 47.4 71.2  
119 32.4 26.6 39.8



#64  
Tetrachloroethene  
Concen: 52.114 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

Tgt Ion:164 Resp: 170190  
Ion Ratio Lower Upper  
164 100  
166 127.8 103.4 155.2  
129 92.3 70.8 106.2  
131 90.4 72.5 108.7

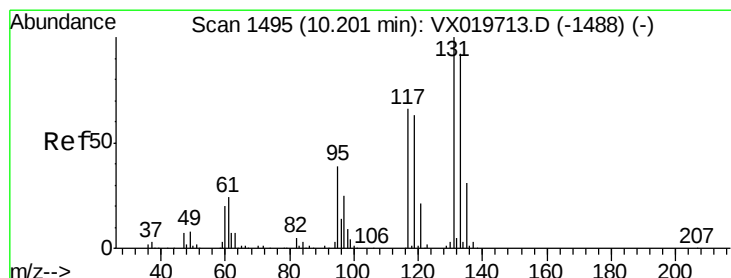
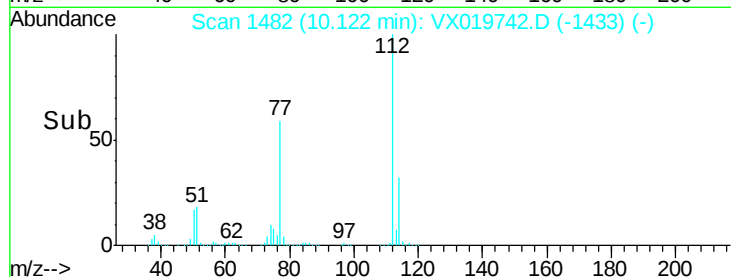
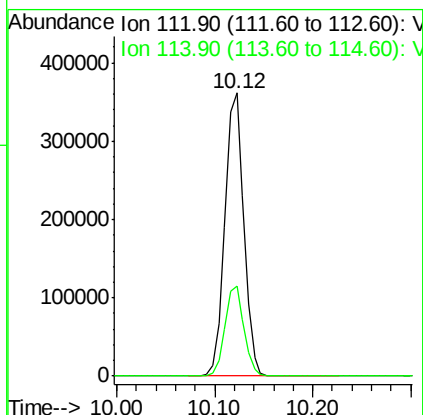
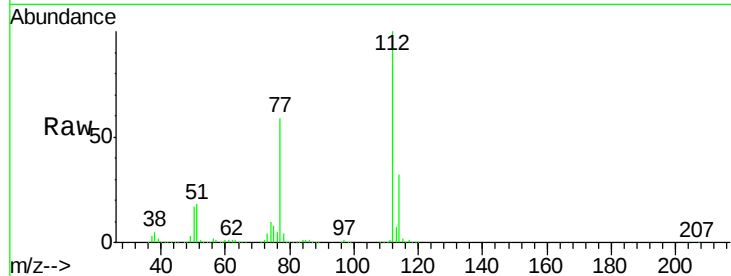




#65  
Chlorobenzene  
Concen: 50.043 ug/l  
RT: 10.12 min Scan# 1482  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

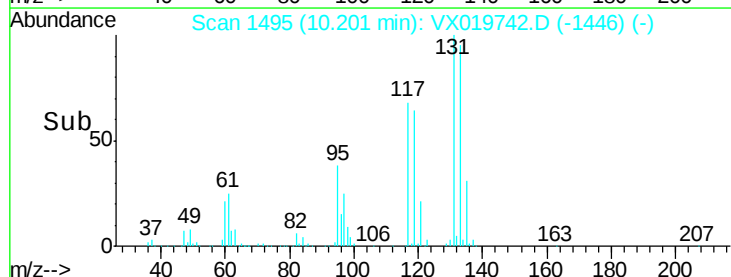
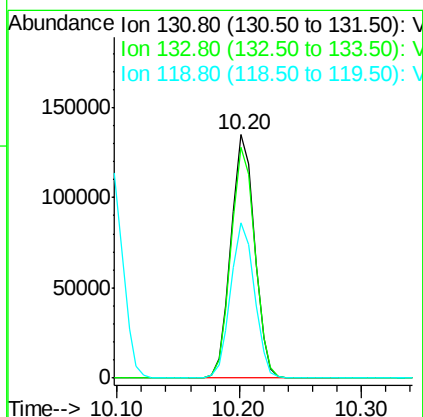
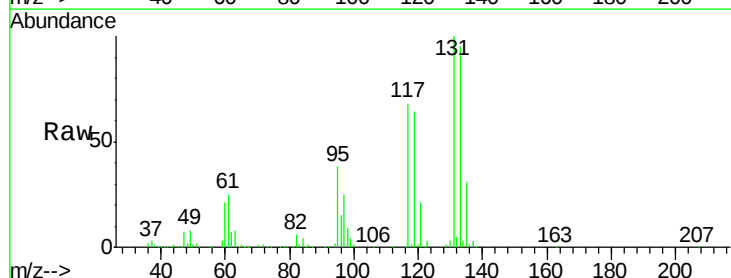
Instrument :  
MSVOA\_X  
ClientSampleId :  
ID039-39MWE2S-120320MS

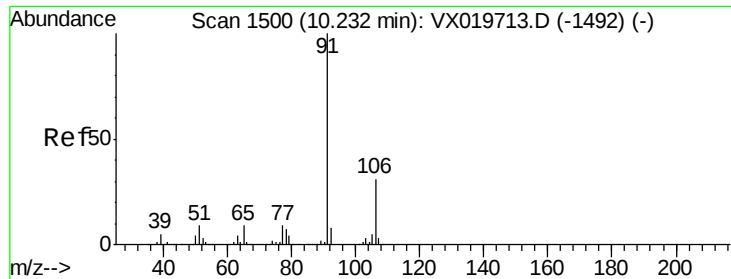
Tot Ion:112 Resp: 485514  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.404 ug/l  
RT: 10.20 min Scan# 1495  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

Tgt Ion:131 Resp: 179503  
Ion Ratio Lower Upper  
131 100  
133 96.1 47.7 143.1  
119 64.3 32.1 96.5





#67

Ethyl Benzene

Concen: 51.302 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

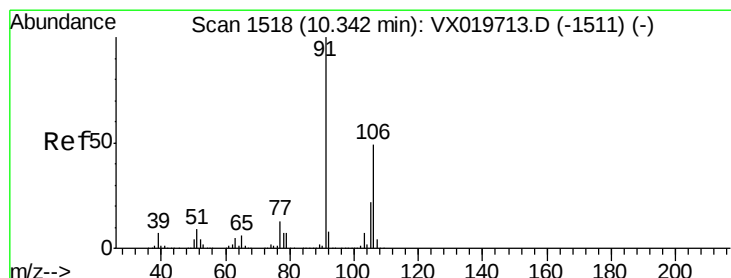
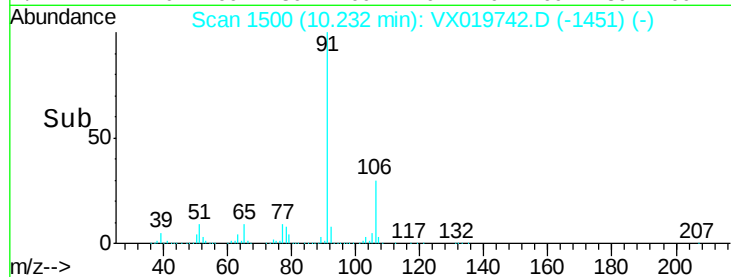
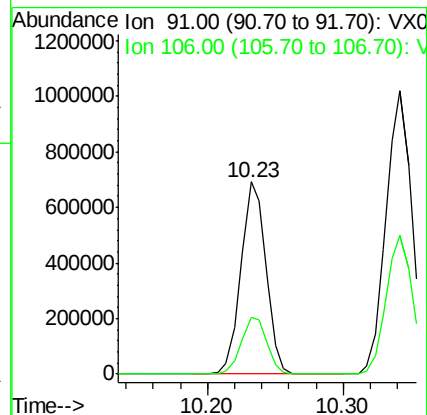
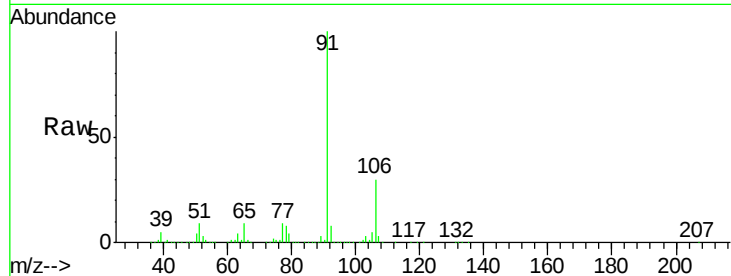
ID039-39MWE2S-120320MS

Tot Ion: 91 Resp: 883481

Ion Ratio Lower Upper

91 100

106 29.8 24.6 37.0



#68

m/p-Xylenes

Concen: 102.788 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019742.D

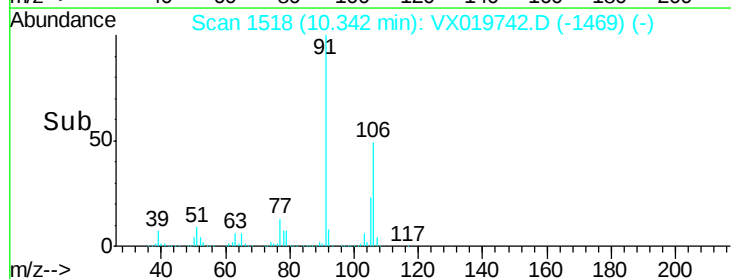
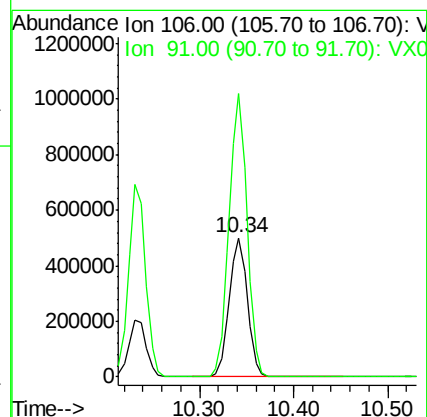
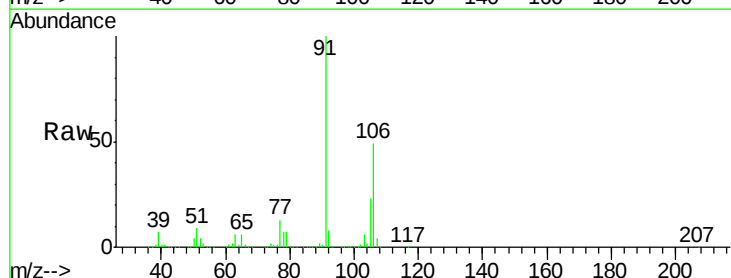
Acq: 05 Dec 2020 01:06

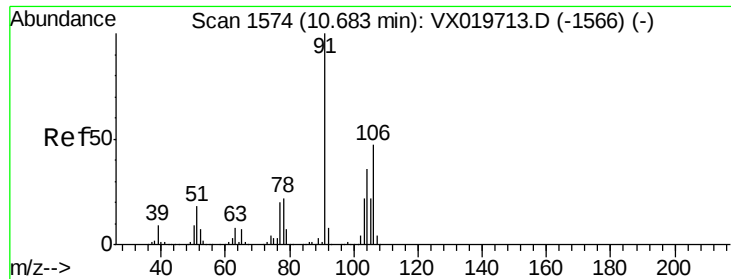
Tgt Ion: 106 Resp: 667014

Ion Ratio Lower Upper

106 100

91 202.3 162.8 244.2

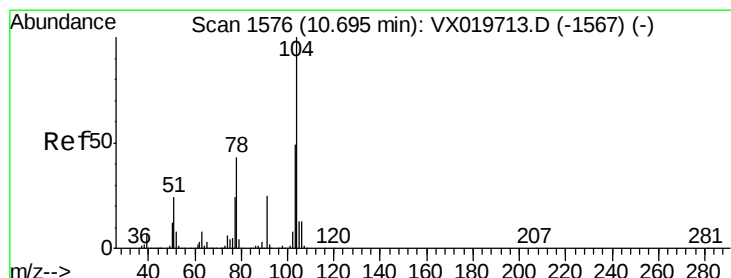
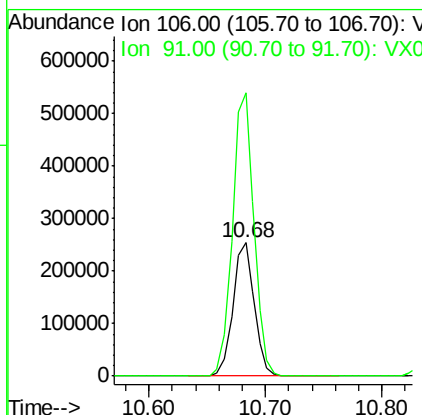
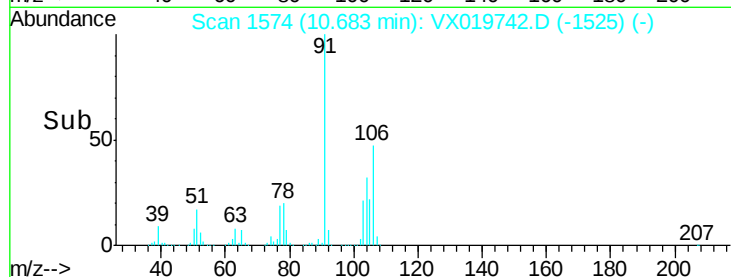
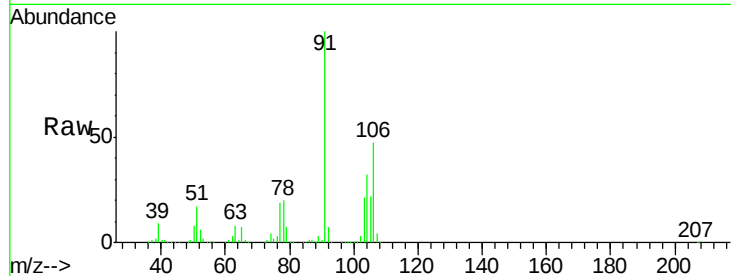




#69  
o-Xylene  
Concen: 51.820 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

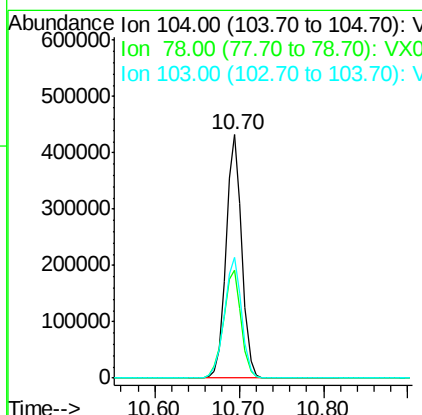
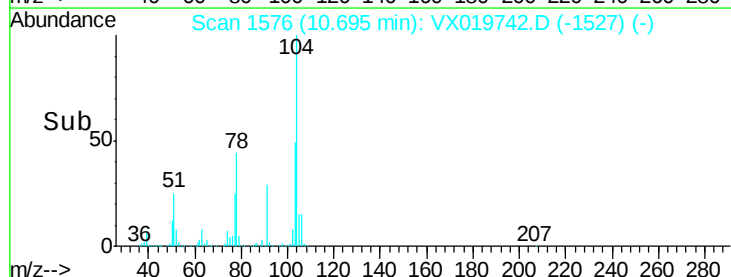
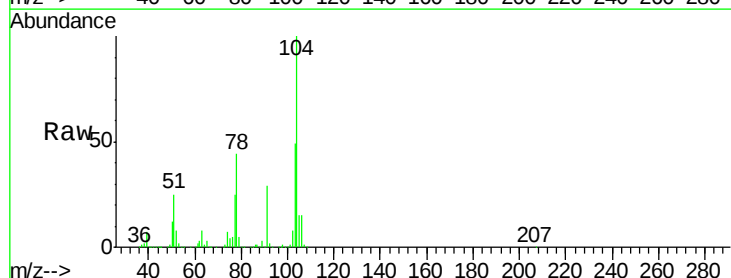
Instrument :  
MSVOA\_X  
ClientSampleId :  
ID039-39MWE2S-120320MS

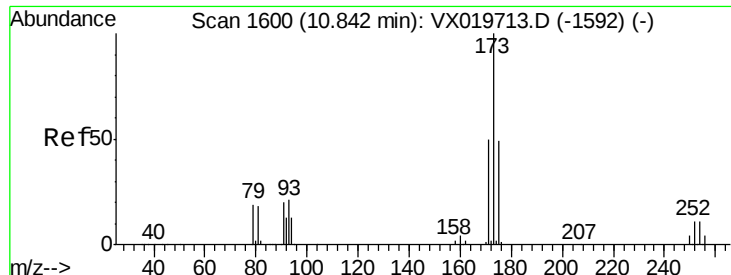
Tot Ion:106 Resp: 323477  
Ion Ratio Lower Upper  
106 100  
91 213.6 108.1 324.2



#70  
Styrene  
Concen: 52.231 ug/l  
RT: 10.70 min Scan# 1576  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

Tgt Ion:104 Resp: 550317  
Ion Ratio Lower Upper  
104 100  
78 49.6 40.0 60.0  
103 54.4 43.4 65.0





#71

Bromoform

Concen: 53.368 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

ID039-39MWE2S-120320MS

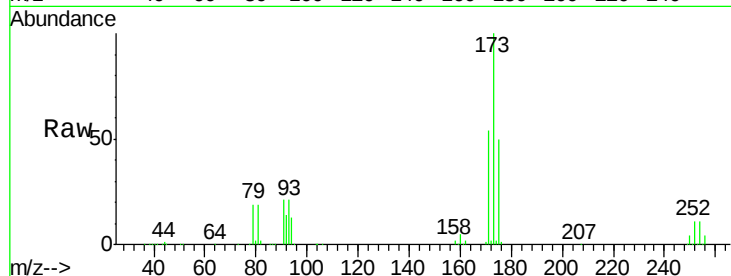
Tot Ion:173 Resp: 146606

Ion Ratio Lower Upper

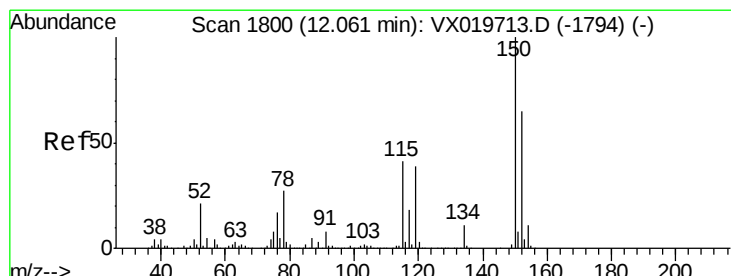
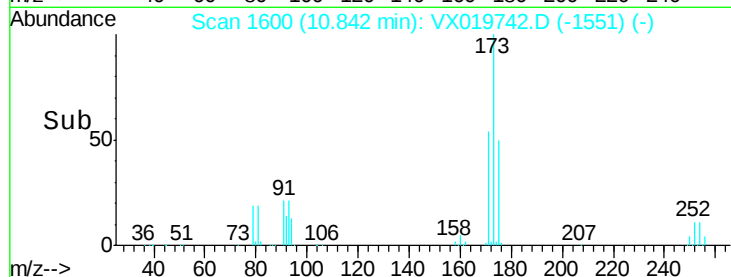
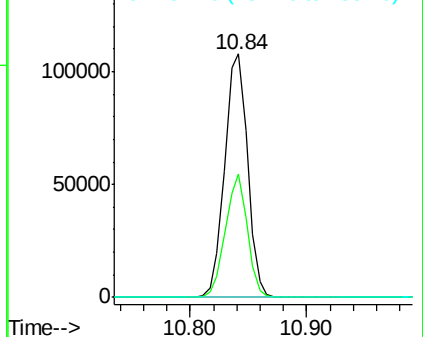
173 100

175 48.2 23.9 71.8

254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

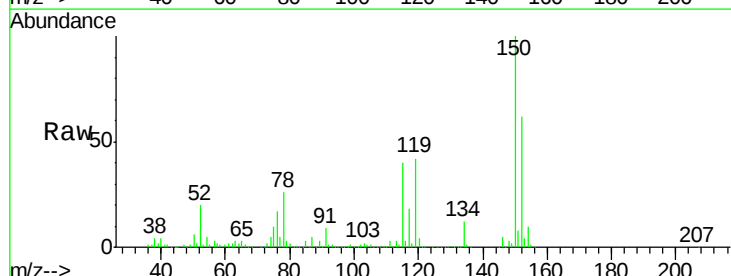
Tgt Ion:152 Resp: 247722

Ion Ratio Lower Upper

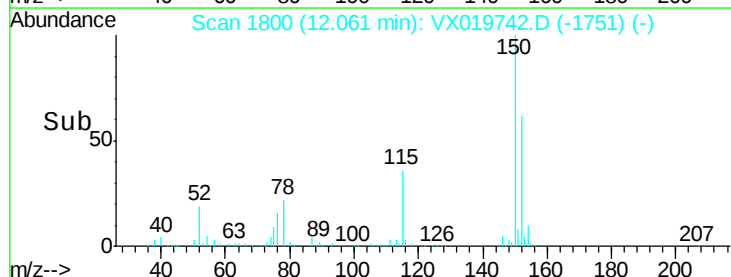
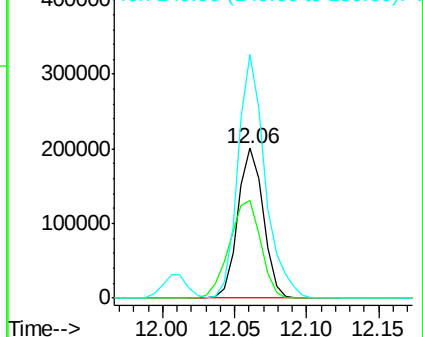
152 100

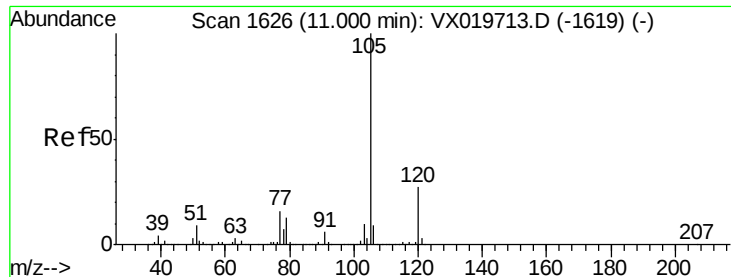
115 81.3 41.1 123.3

150 172.7 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.607 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

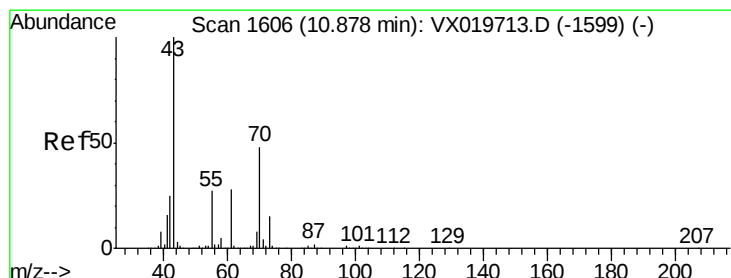
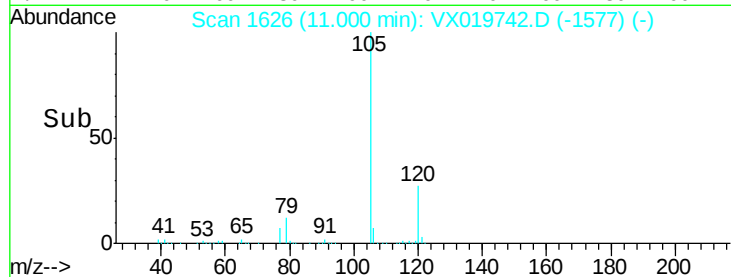
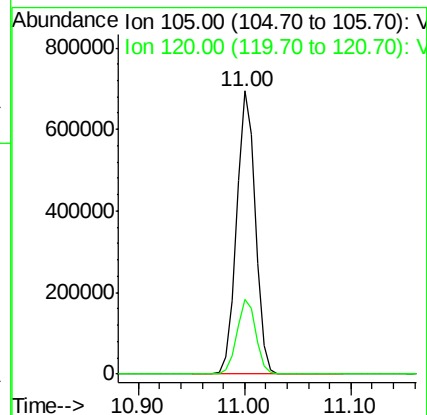
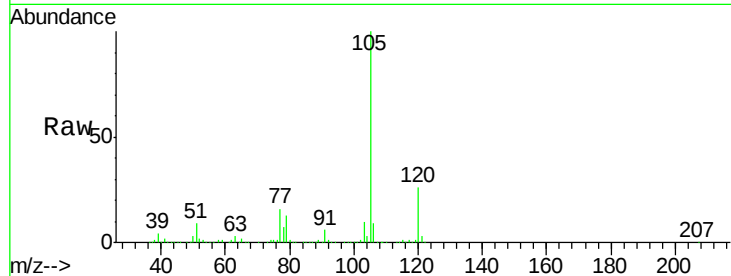
ID039-39MWE2S-120320MS

Tot Ion:105 Resp: 856494

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.6



#74

N-ethyl acetate

Concen: 47.141 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Tgt Ion: 43 Resp: 319723

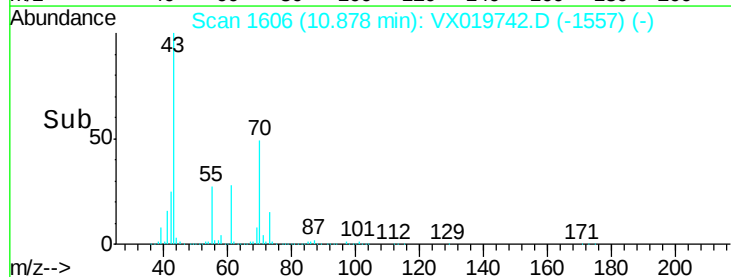
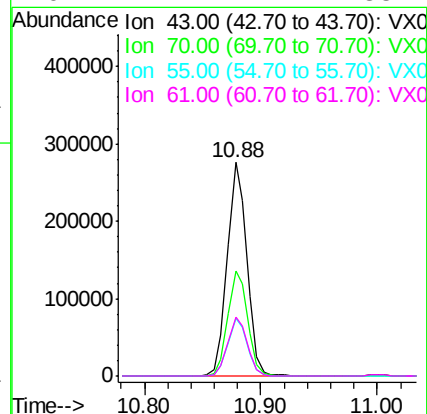
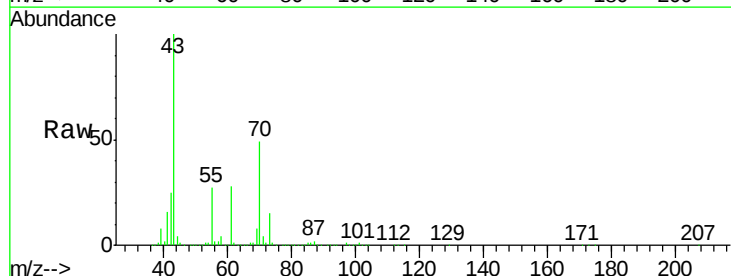
Ion Ratio Lower Upper

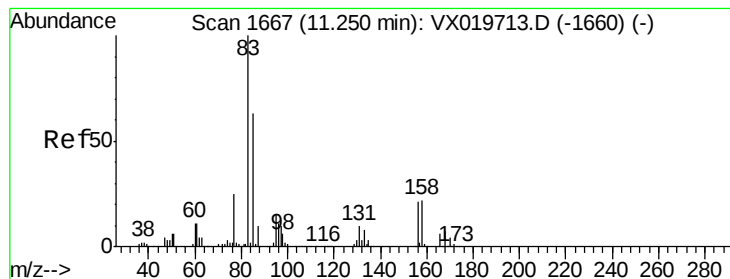
43 100

70 50.2 39.0 58.6

55 27.3 21.5 32.3

61 27.7 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 50.768 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

ID039-39MWE2S-120320MS

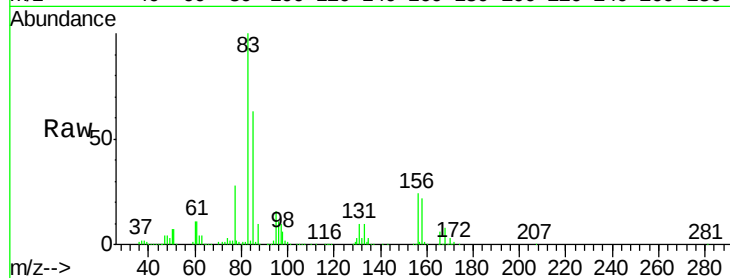
Tot Ion: 83 Resp: 302924

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

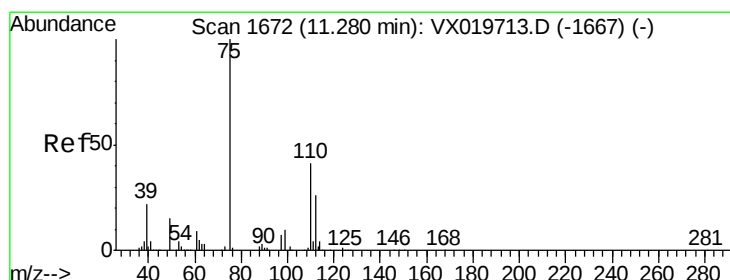
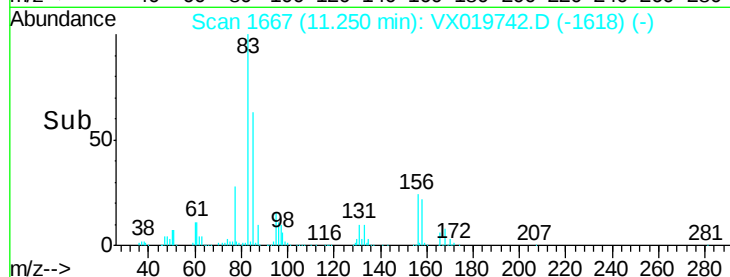
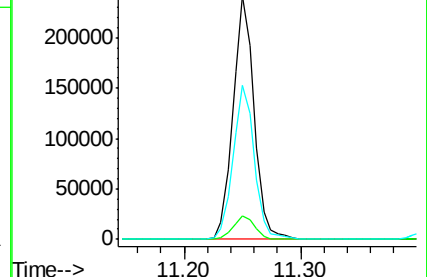
85 64.2 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 61.513 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019742.D

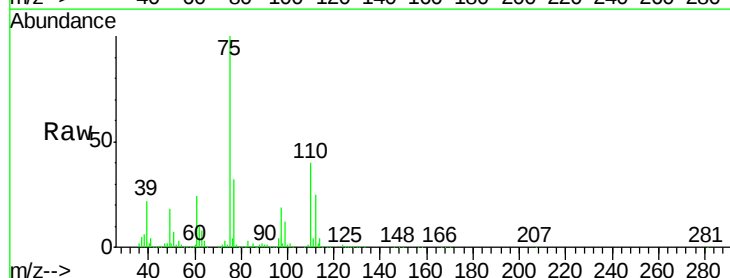
Acq: 05 Dec 2020 01:06

Tgt Ion: 75 Resp: 341764

Ion Ratio Lower Upper

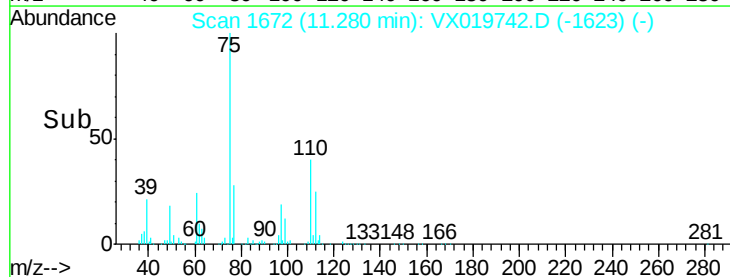
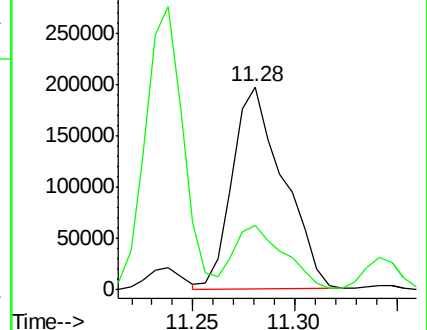
75 100

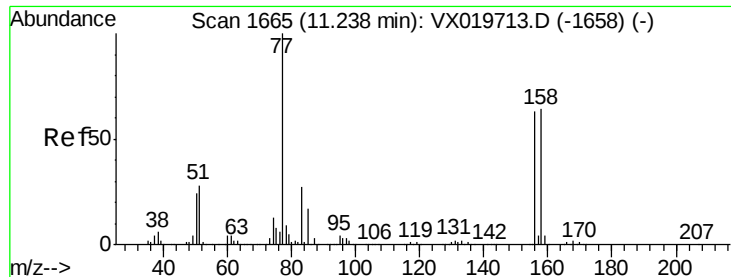
77 31.4 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.558 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

ID039-39MWE2S-120320MS

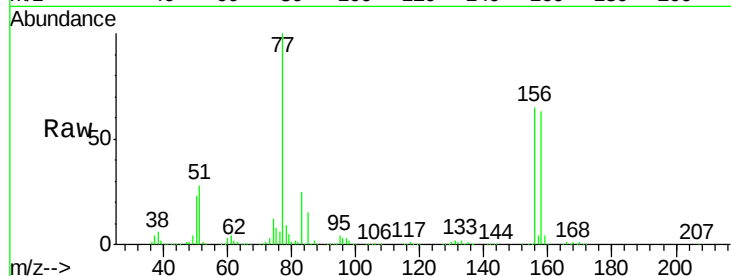
Tot Ion:156 Resp: 218973

Ion Ratio Lower Upper

156 100

77 162.0 82.8 248.6

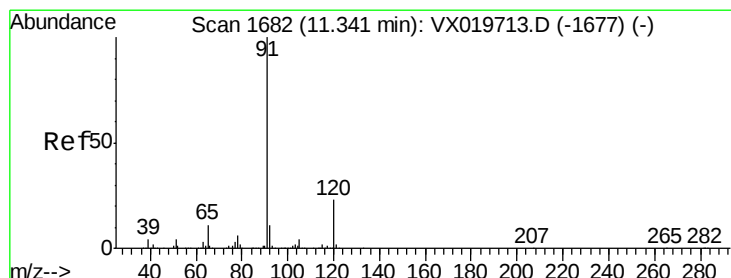
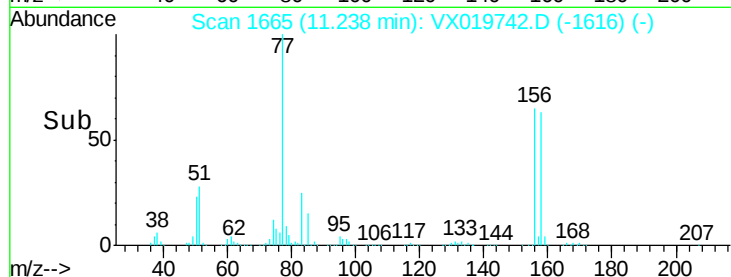
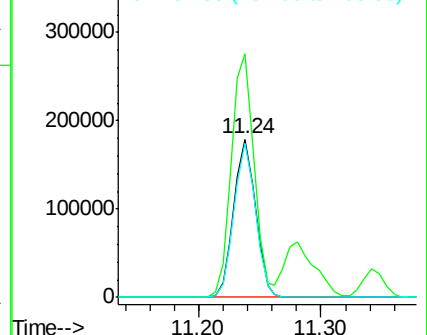
158 96.8 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.357 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019742.D

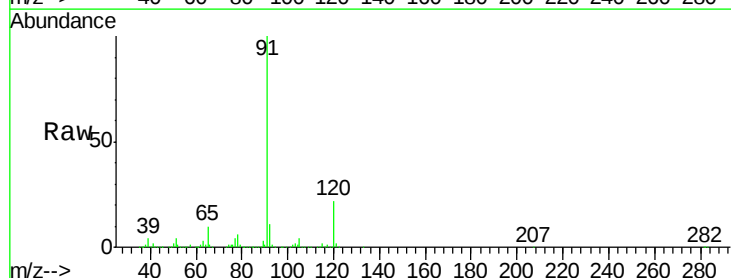
Acq: 05 Dec 2020 01:06

Tgt Ion: 91 Resp: 973404

Ion Ratio Lower Upper

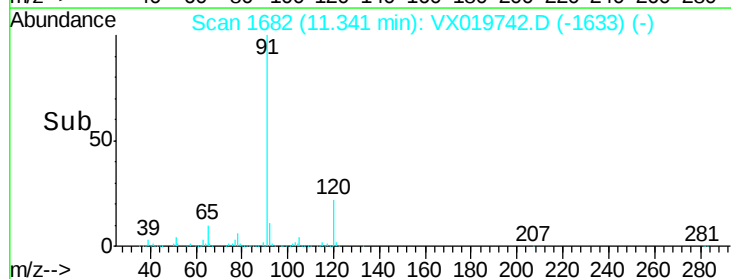
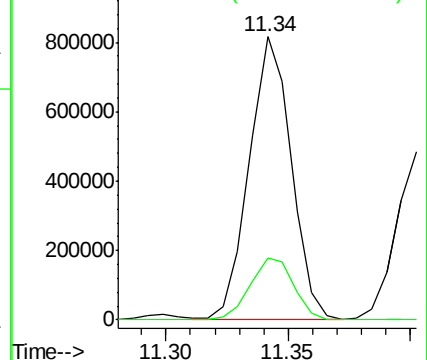
91 100

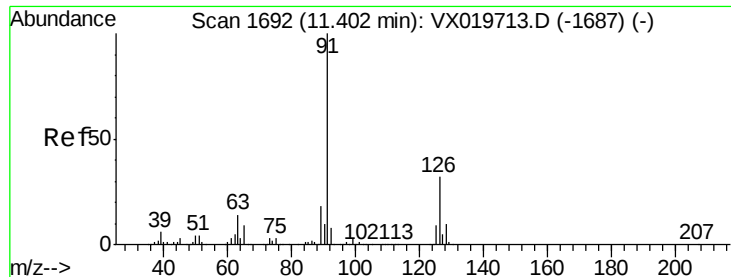
120 22.8 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

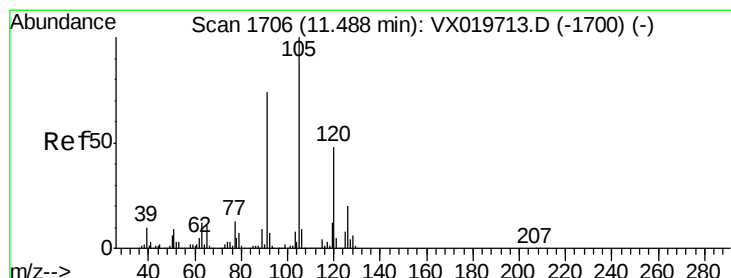
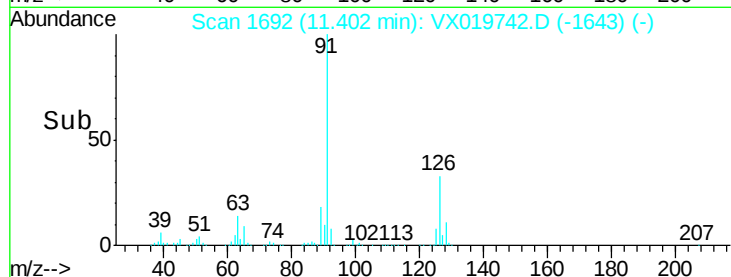
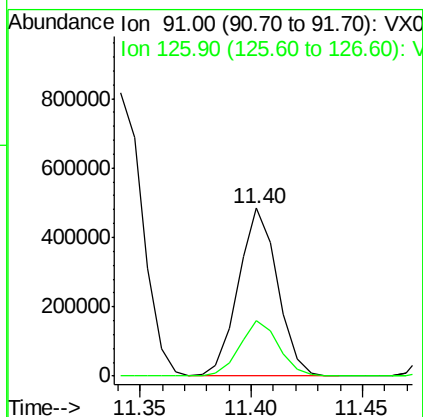
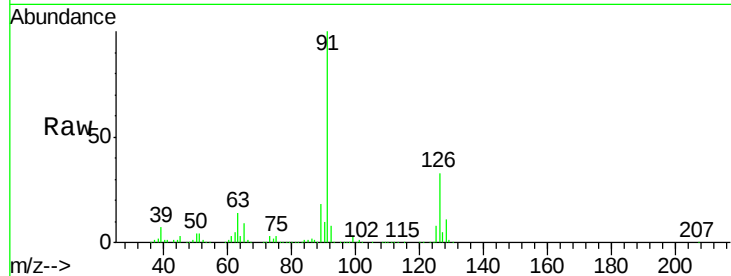




#79  
 2-Chlorotoluene  
 Concen: 49.652 ug/l  
 RT: 11.40 min Scan# 1692  
 Delta R.T. 0.00 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

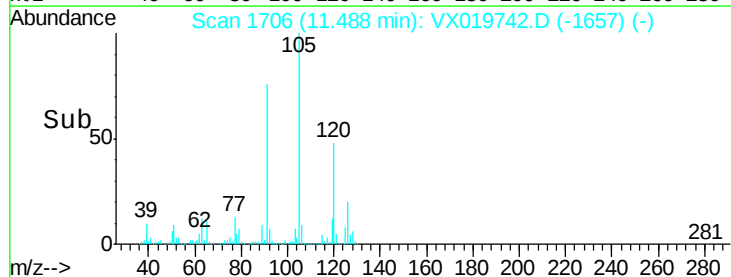
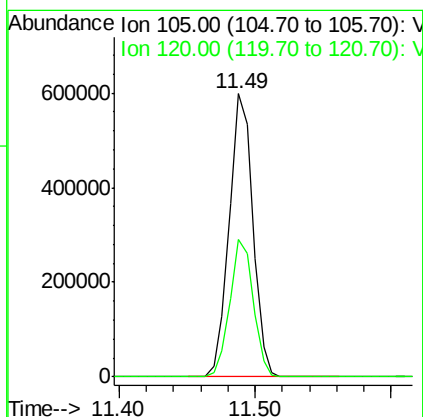
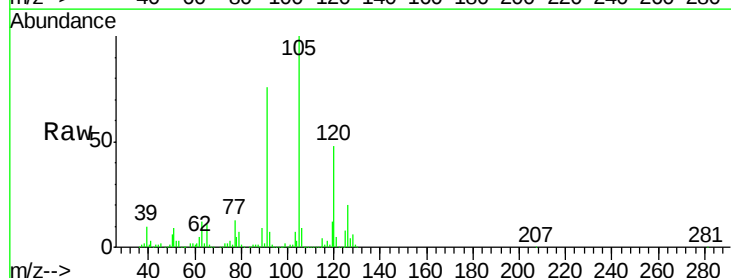
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ID039-39MWE2S-120320MS

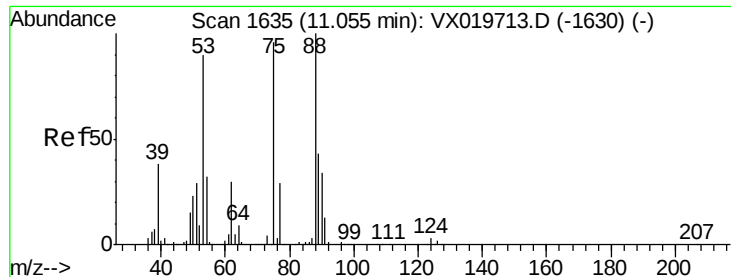
Tot Ion: 91 Resp: 591042  
 Ion Ratio Lower Upper  
 91 100  
 126 33.1 16.6 49.8



#80  
 1,3,5-Trimethylbenzene  
 Concen: 50.602 ug/l  
 RT: 11.49 min Scan# 1706  
 Delta R.T. 0.00 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

Tgt Ion: 105 Resp: 722778  
 Ion Ratio Lower Upper  
 105 100  
 120 48.3 23.8 71.5

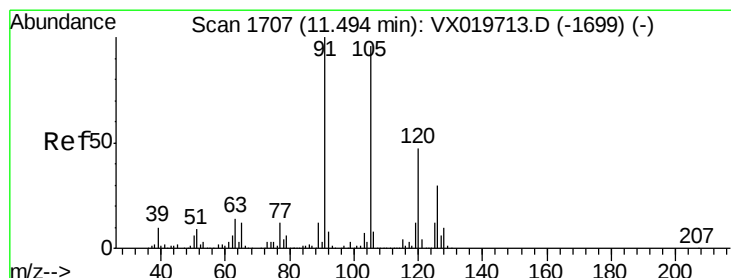
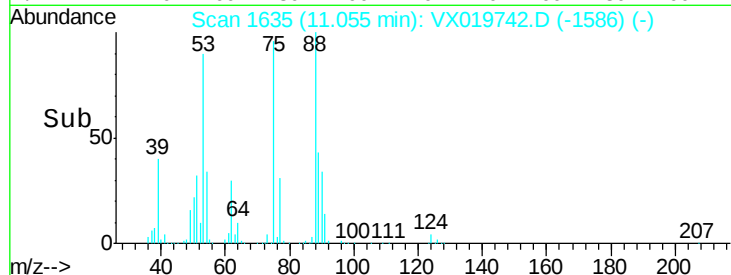
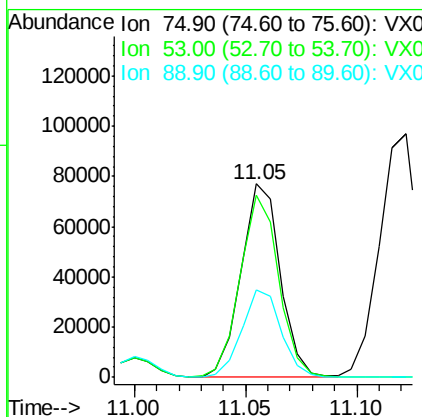
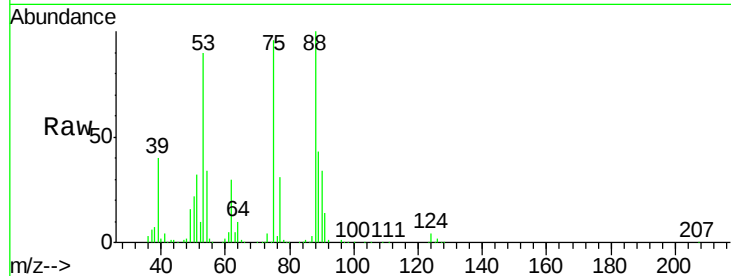




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.190 ug/l  
RT: 11.05 min Scan# 1635  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

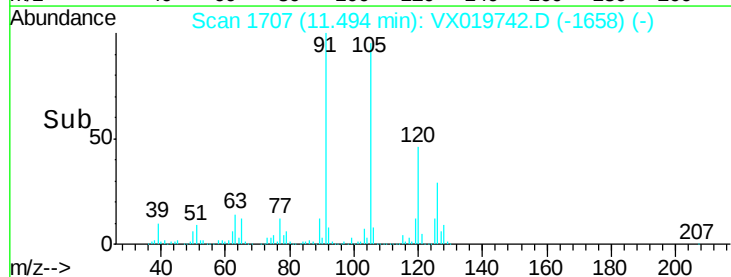
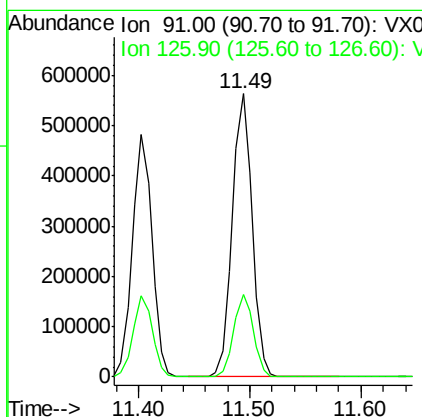
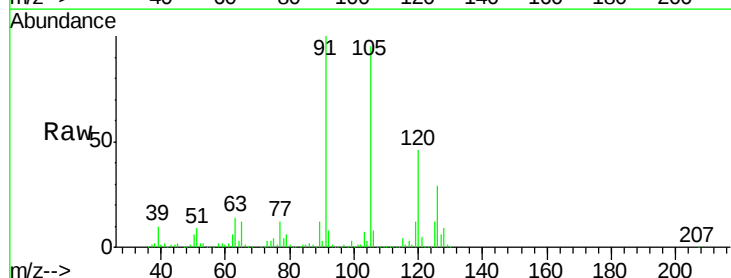
Instrument :  
MSVOA\_X  
ClientSampleId :  
ID039-39MWE2S-120320MS

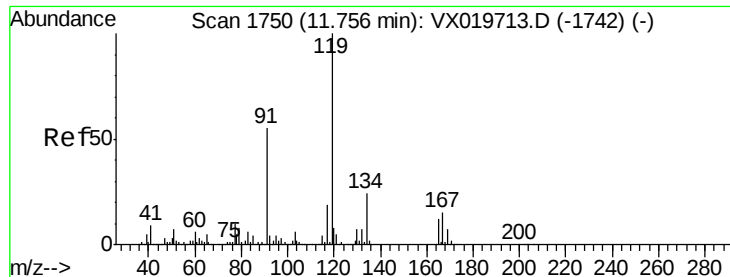
Tot Ion: 75 Resp: 94540  
Ion Ratio Lower Upper  
75 100  
53 93.7 74.5 111.7  
89 45.7 37.9 56.9



#82  
4-Chlorotoluene  
Concen: 49.852 ug/l  
RT: 11.49 min Scan# 1707  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

Tgt Ion: 91 Resp: 695016  
Ion Ratio Lower Upper  
91 100  
126 28.9 14.9 44.5

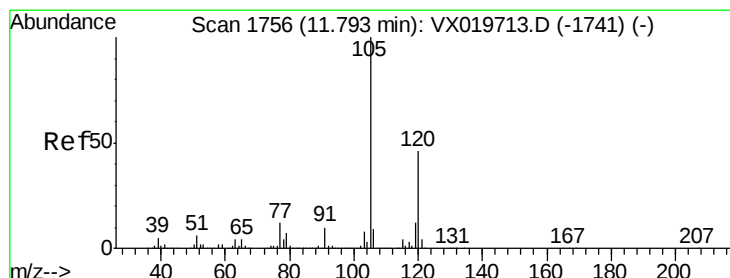
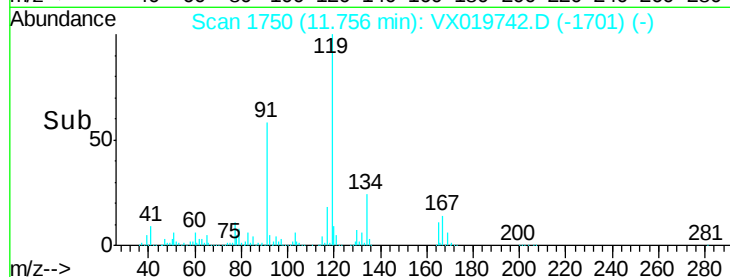
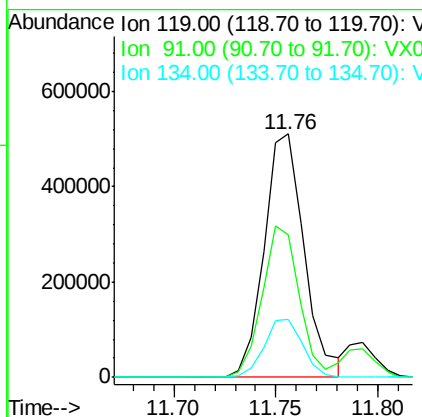
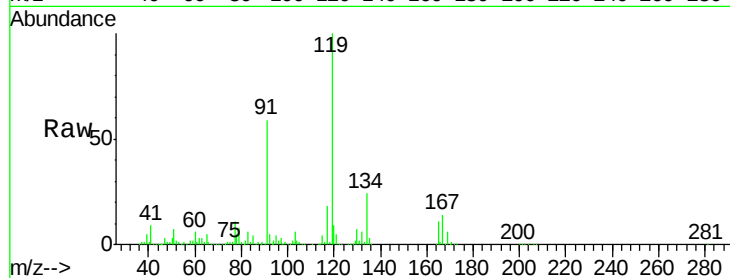




#83  
 tert-Butylbenzene  
 Concen: 49.845 ug/l  
 RT: 11.76 min Scan# 1750  
 Delta R.T. 0.00 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

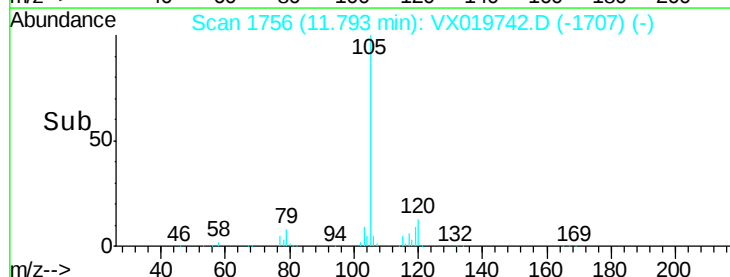
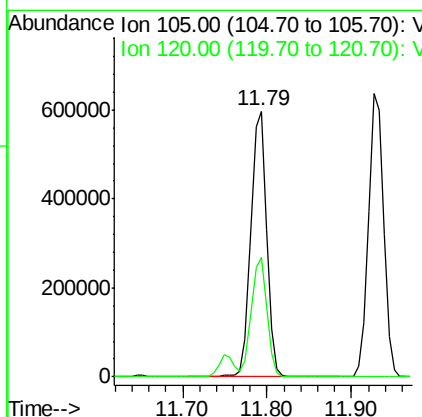
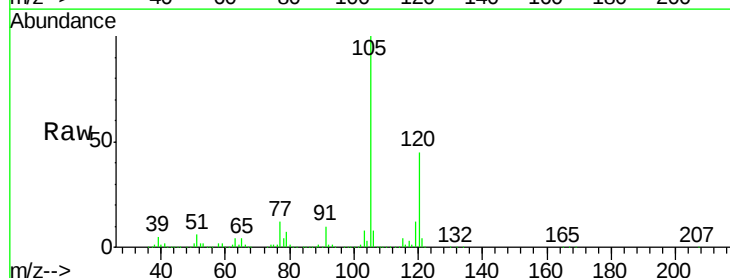
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ID039-39MWE2S-120320MS

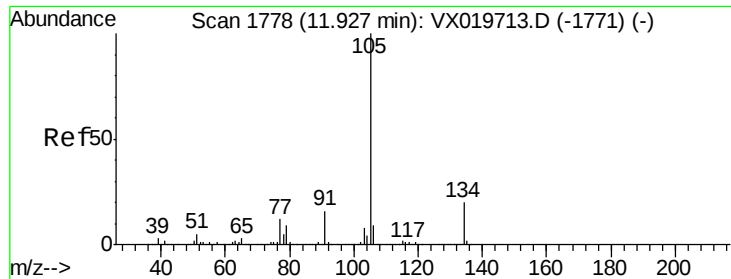
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 57.5  | 27.9  | 83.7  |
| 134     | 23.1  | 11.3  | 33.9  |



#84  
 1,2,4-Trimethylbenzene  
 Concen: 51.409 ug/l  
 RT: 11.79 min Scan# 1756  
 Delta R.T. 0.00 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.4  | 22.4  | 67.3  |





#85

sec-Butylbenzene

Concen: 49.997 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

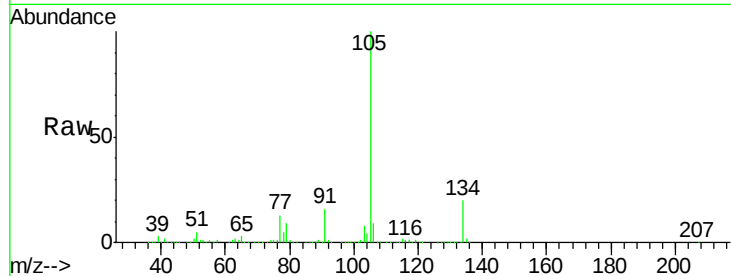
ID039-39MWE2S-120320MS

Tot Ion:105 Resp: 799652

Ion Ratio Lower Upper

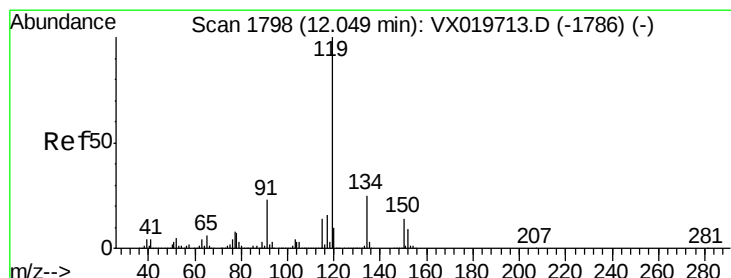
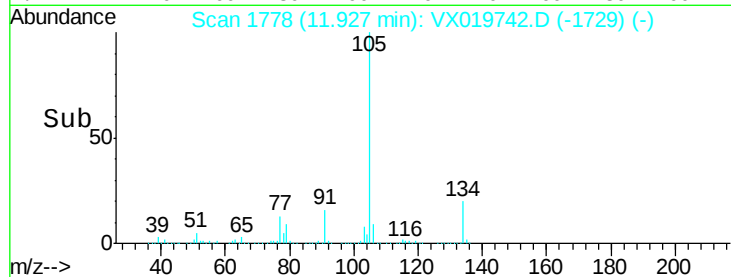
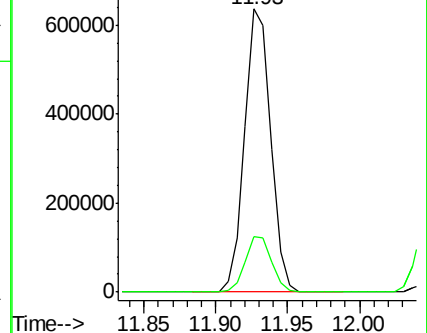
105 100

134 19.9 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.177 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

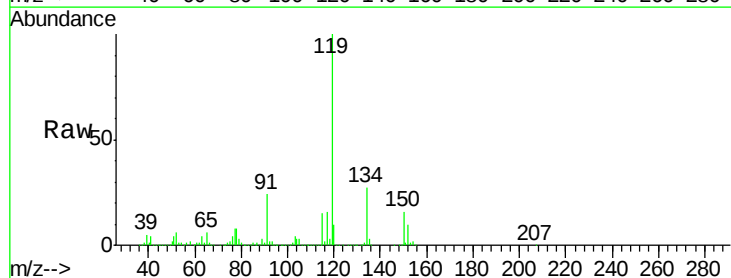
Tgt Ion:119 Resp: 735501

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

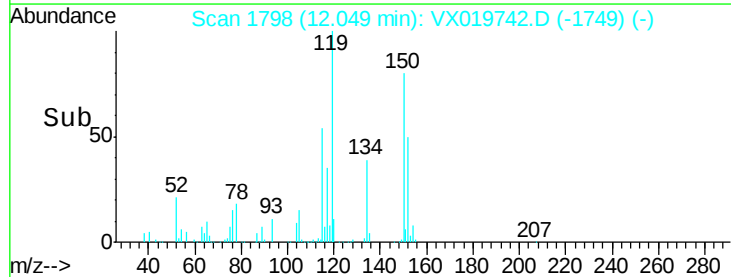
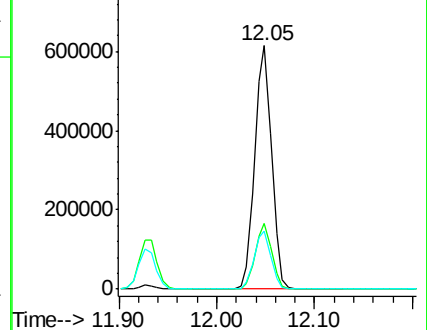
91 23.9 11.7 35.0

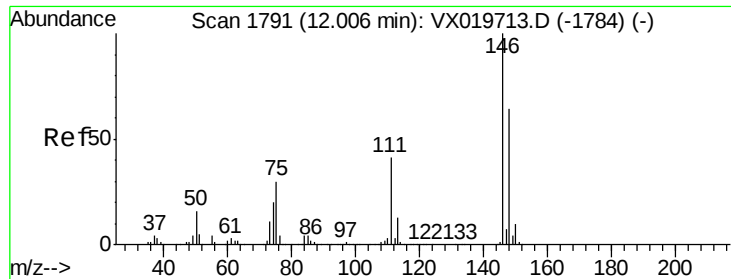


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

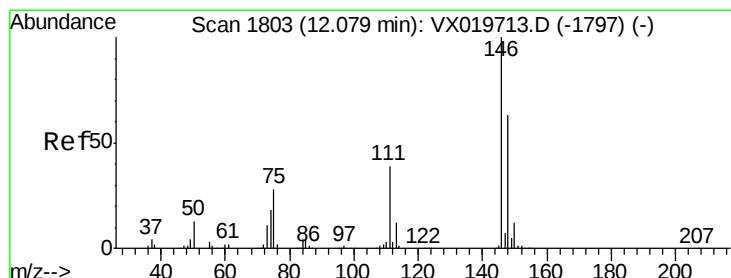
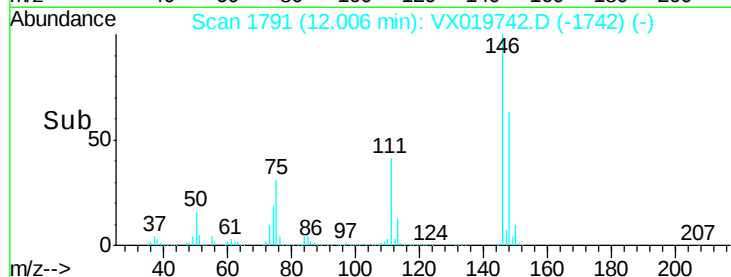
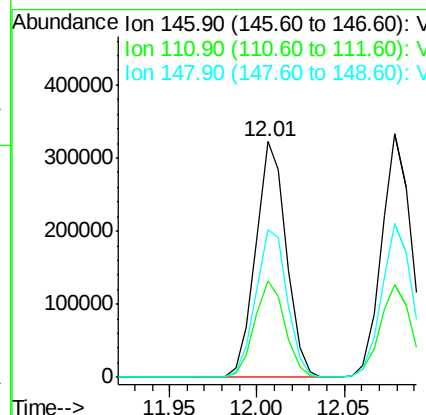
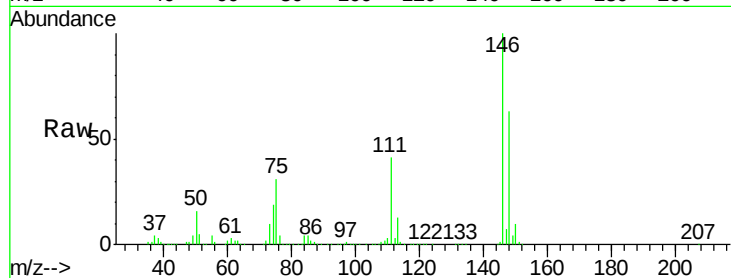




#87  
 1,3-Dichlorobenzene  
 Concen: 49.263 ug/l  
 RT: 12.01 min Scan# 1791  
 Delta R.T. 0.00 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

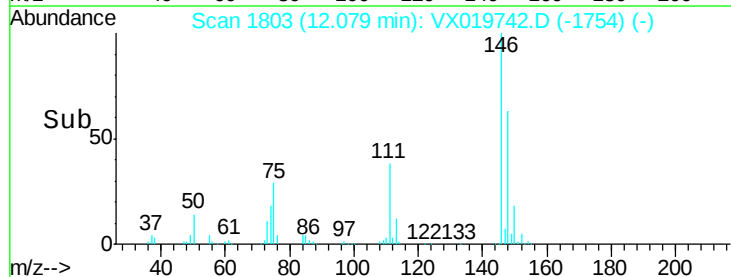
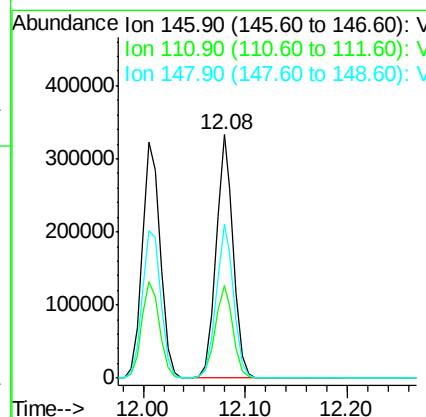
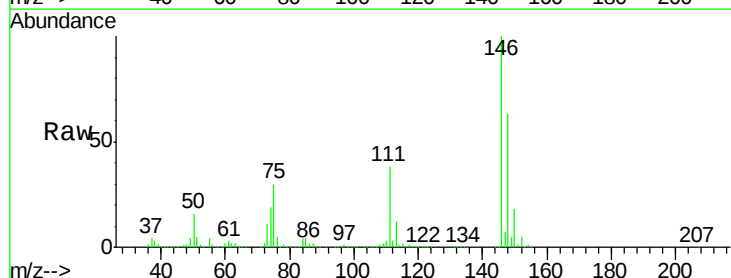
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ID039-39MWE2S-120320MS

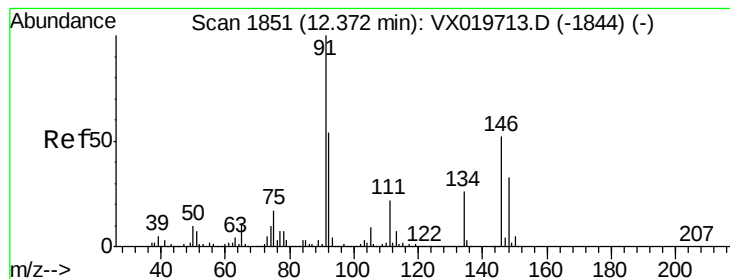
Tot Ion:146 Resp: 391598  
 Ion Ratio Lower Upper  
 146 100  
 111 40.9 20.2 60.5  
 148 64.6 31.9 95.7



#88  
 1,4-Dichlorobenzene  
 Concen: 48.598 ug/l  
 RT: 12.08 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

Tgt Ion:146 Resp: 393472  
 Ion Ratio Lower Upper  
 146 100  
 111 39.3 19.6 58.8  
 148 63.9 31.6 95.0





#89

n-Butylbenzene

Concen: 48.917 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

ID039-39MWE2S-120320MS

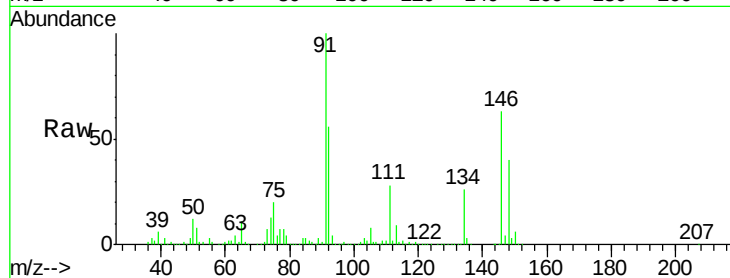
Tot Ion: 91 Resp: 635261

Ion Ratio Lower Upper

91 100

92 55.0 27.4 82.0

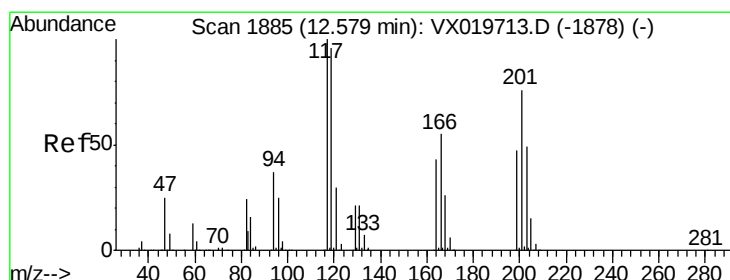
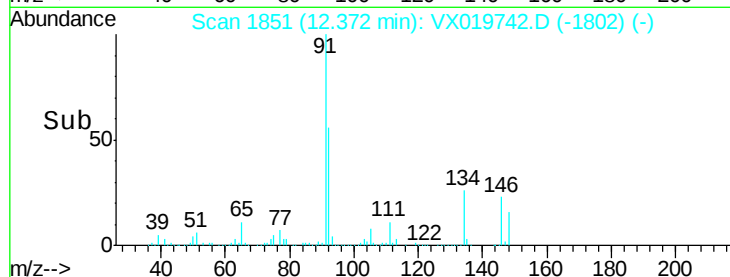
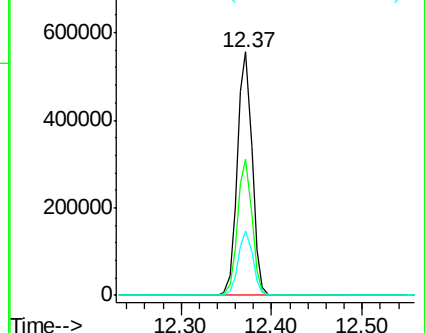
134 26.0 13.2 39.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.513 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX019742.D

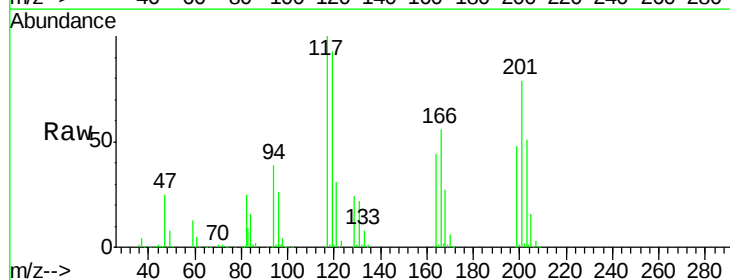
Acq: 05 Dec 2020 01:06

Tgt Ion: 117 Resp: 127832

Ion Ratio Lower Upper

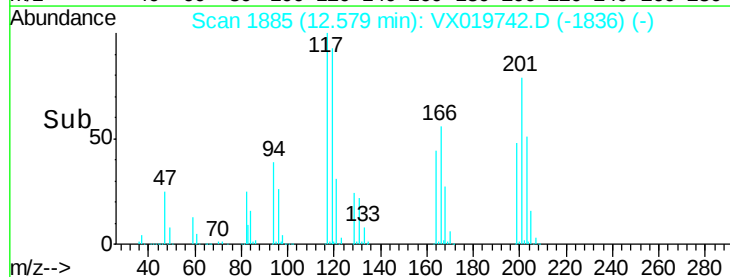
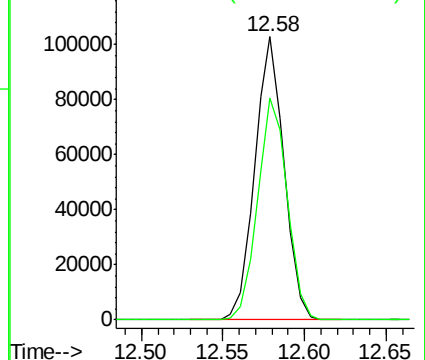
117 100

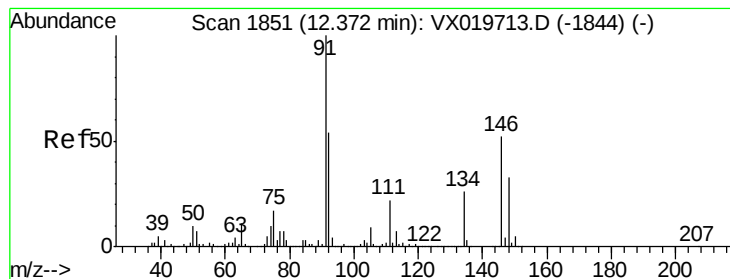
201 79.5 40.4 121.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 57.284 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

ID039-39MWE2S-120320MS

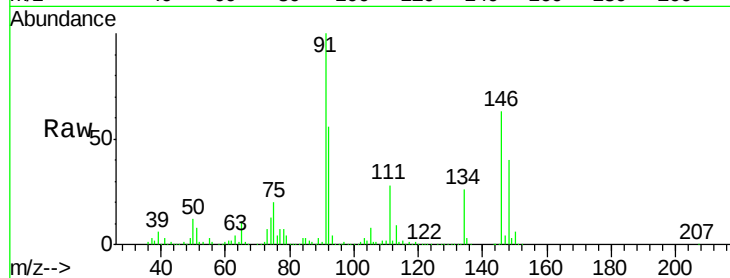
Tot Ion:146 Resp: 443898

Ion Ratio Lower Upper

146 100

111 41.8 20.8 62.2

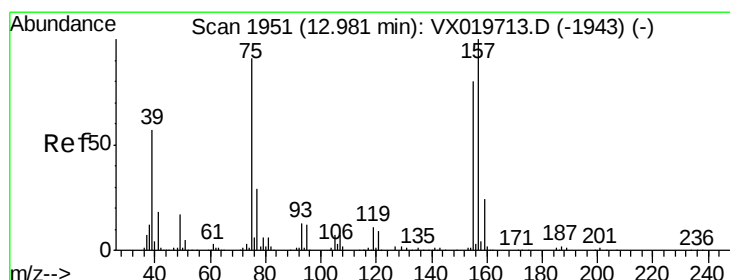
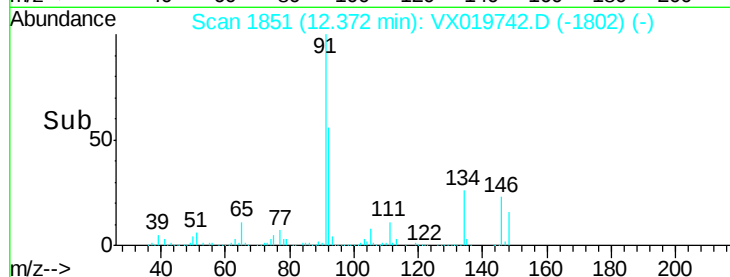
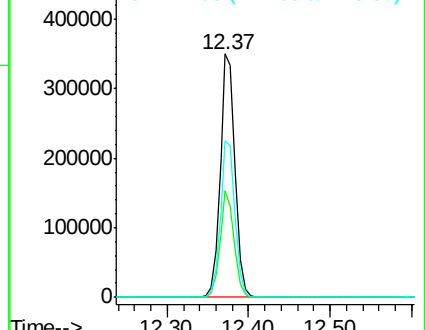
148 64.0 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.170 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX019742.D

Acq: 05 Dec 2020 01:06

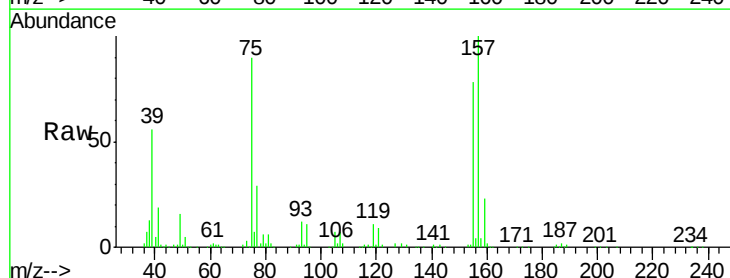
Tgt Ion: 75 Resp: 64354

Ion Ratio Lower Upper

75 100

155 88.9 45.3 135.9

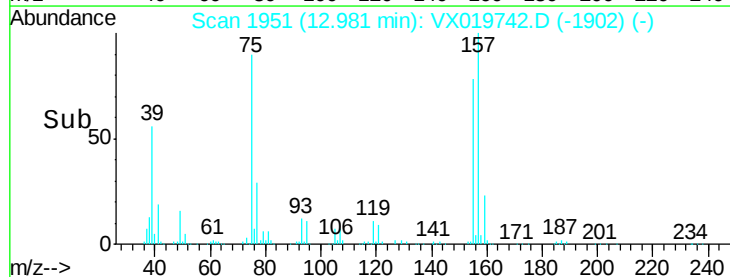
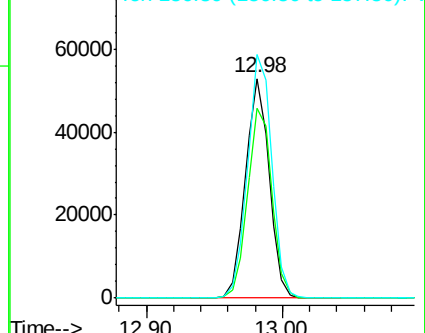
157 113.6 57.7 173.1

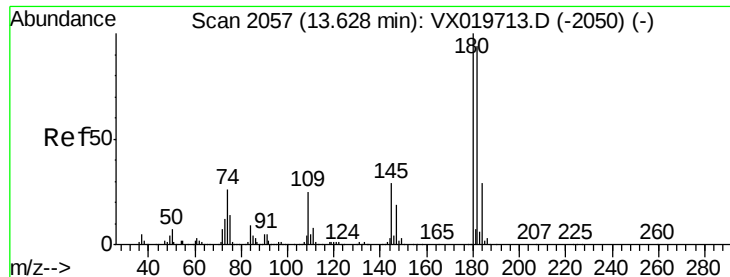


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

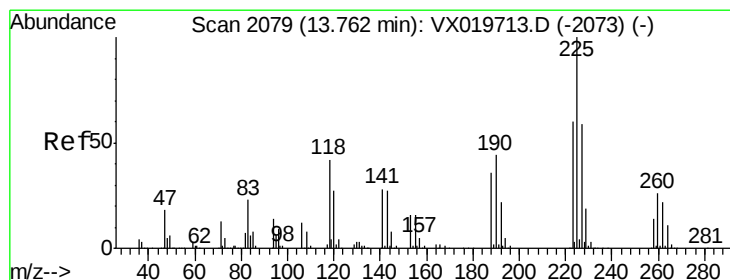
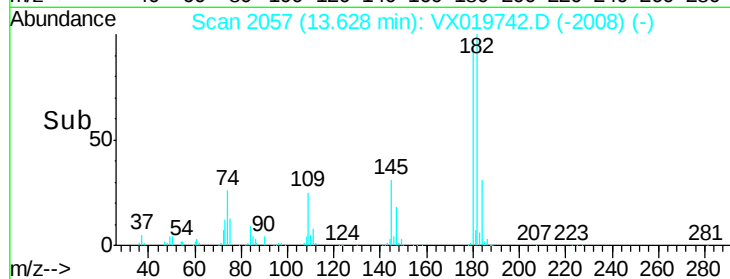
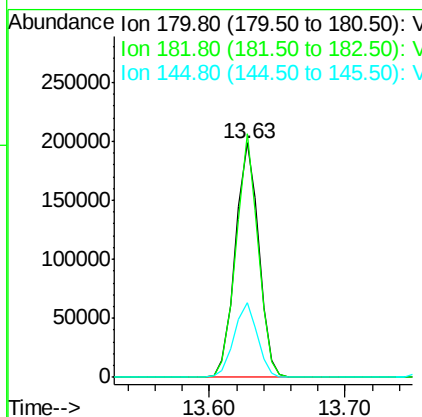
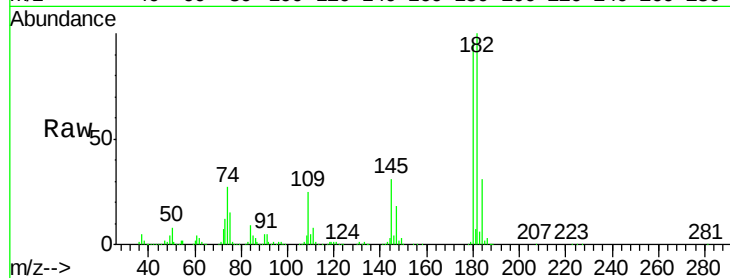




#93  
 1,2,4-Trichlorobenzene  
 Concen: 47.073 ug/l  
 RT: 13.63 min Scan# 2057  
 Delta R.T. 0.00 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

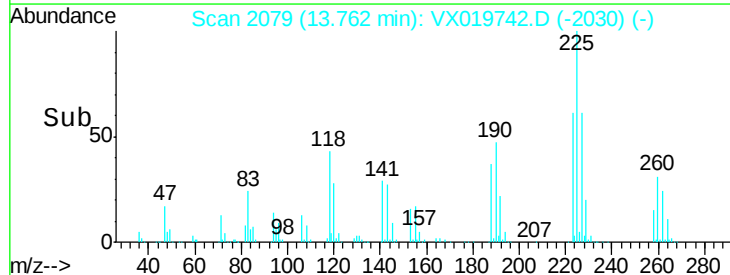
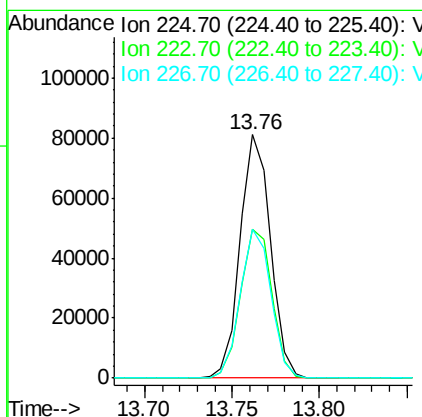
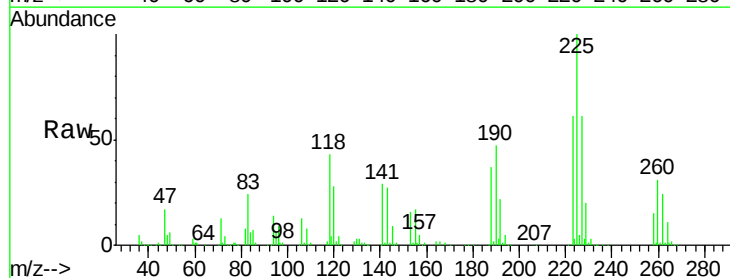
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ID039-39MWE2S-120320MS

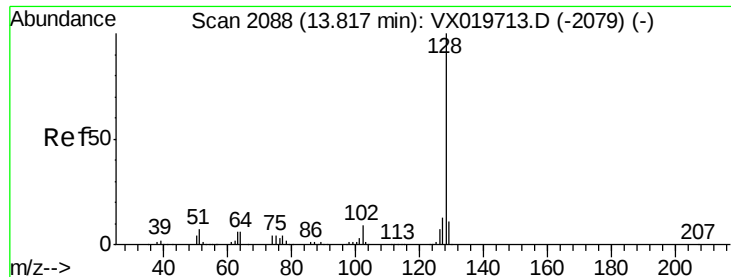
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.5  | 47.7  | 143.1 |
| 145     | 31.7  | 15.0  | 45.0  |



#94  
 Hexachlorobutadiene  
 Concen: 43.442 ug/l  
 RT: 13.76 min Scan# 2079  
 Delta R.T. 0.00 min  
 Lab File: VX019742.D  
 Acq: 05 Dec 2020 01:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.5  | 31.1  | 93.2  |
| 227     | 61.9  | 31.6  | 95.0  |

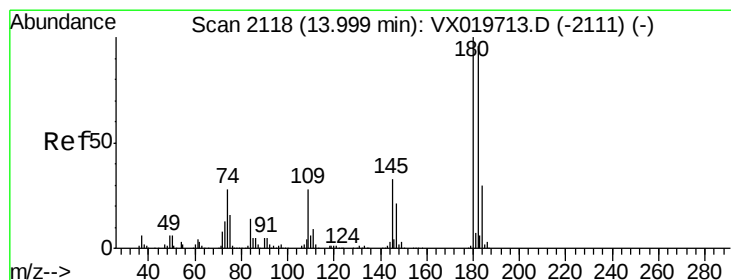
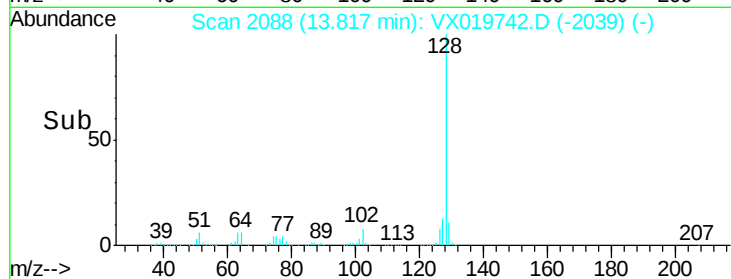
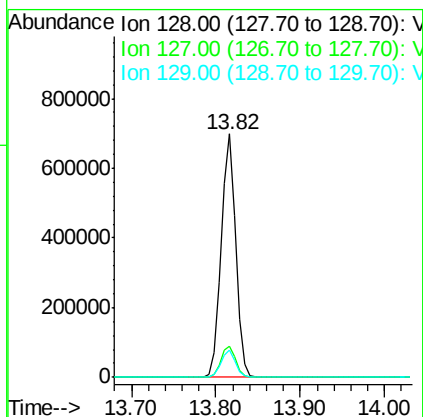
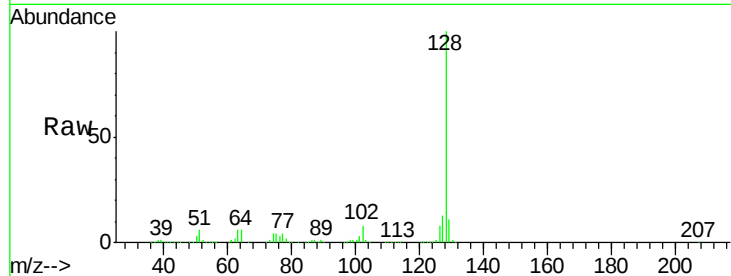




#95  
Naphthalene  
Concen: 51.177 ug/l  
RT: 13.82 min Scan# 2088  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
ID039-39MWE2S-120320MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.3  | 15.5  |
| 129     | 11.0  | 8.8   | 13.2  |



#96  
1,2,3-Trichlorobenzene  
Concen: 49.677 ug/l  
RT: 14.00 min Scan# 2118  
Delta R.T. 0.00 min  
Lab File: VX019742.D  
Acq: 05 Dec 2020 01:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.0  | 47.6  | 142.9 |
| 145     | 32.2  | 16.1  | 48.3  |

