

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102120\NOT REVIEWED DATA\  
 Data File : VX019012.D  
 Acq On : 21 Oct 2020 20:37  
 Operator : JC/SP  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX102120

Quant Time: Nov 03 12:08:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X102120W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 22 17:51:42 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 261980   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 435885   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 413935   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 209611   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 6.03   | 65  | 150696   | 48.02 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.04% |      |
| 35) Dibromofluoromethane    | 5.46   | 113 | 132507   | 48.01 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.02% |      |
| 50) Toluene-d8              | 8.70   | 98  | 509038   | 48.34 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.68% |      |
| 62) 4-Bromofluorobenzene    | 11.12  | 95  | 187202   | 49.97 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.94% |      |

| Target Compounds              |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 130657  | 50.069  | ug/l | 98     |
| 3) Chloromethane              | 1.31 | 50  | 127368  | 49.089  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.39 | 62  | 151960  | 49.636  | ug/l | 99     |
| 5) Bromomethane               | 1.64 | 94  | 157510  | 57.475  | ug/l | 100    |
| 6) Chloroethane               | 1.71 | 64  | 111948  | 53.384  | ug/l | 96     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 249917  | 48.306  | ug/l | 98     |
| 8) Diethyl Ether              | 2.17 | 74  | 98457   | 48.602  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 118389  | 48.303  | ug/l | 99     |
| 10) Methyl Iodide             | 2.49 | 142 | 159676  | 46.563  | ug/l | 100    |
| 11) Tert butyl alcohol        | 3.03 | 59  | 156515  | 246.260 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 124118  | 48.675  | ug/l | 99     |
| 13) Acrolein                  | 2.28 | 56  | 58830   | 245.716 | ug/l | 97     |
| 14) Allyl chloride            | 2.71 | 41  | 162386  | 49.227  | ug/l | 98     |
| 15) Acrylonitrile             | 3.12 | 53  | 306100  | 249.059 | ug/l | 99     |
| 16) Acetone                   | 2.42 | 43  | 266043  | 248.900 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.55 | 76  | 349025  | 47.460  | ug/l | 100    |
| 18) Methyl Acetate            | 2.75 | 43  | 132943  | 50.122  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.17 | 73  | 397251  | 49.182  | ug/l | 100    |
| 20) Methylene Chloride        | 2.84 | 84  | 144273  | 48.484  | ug/l | 100    |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96  | 144702  | 48.632  | ug/l | 99     |
| 22) Diisopropyl ether         | 3.82 | 45  | 320738  | 49.308  | ug/l | 99     |
| 23) Vinyl Acetate             | 3.78 | 43  | 1556178 | 251.948 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.67 | 63  | 233567  | 49.306  | ug/l | 100    |
| 25) 2-Butanone                | 4.64 | 43  | 432832  | 256.279 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.55 | 77  | 205831  | 47.060  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.56 | 96  | 167884  | 49.717  | ug/l | 98     |
| 28) Bromochloromethane        | 4.98 | 49  | 96940   | 48.192  | ug/l | 98     |
| 29) Tetrahydrofuran           | 5.09 | 42  | 249710  | 247.370 | ug/l | 99     |
| 30) Chloroform                | 5.18 | 83  | 259633  | 50.483  | ug/l | 98     |
| 31) Cyclohexane               | 5.55 | 56  | 174169  | 47.395  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97  | 231920  | 49.721  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 5.77 | 75  | 190876  | 48.802  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.79 | 43  | 168968  | 50.616  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.75 | 117 | 198696  | 48.401  | ug/l | 99     |

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 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX102120

Quant Time: Nov 03 12:08:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X102120W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 22 17:51:42 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 7.44  | 83   | 207672   | 47.393   | ug/l   | 97       |
| 40) Benzene                    | 6.11  | 78   | 574153   | 49.844   | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.00  | 41   | 88356    | 49.273   | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.16  | 62   | 196884   | 50.084   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.41  | 43   | 283900   | 50.215   | ug/l   | 99       |
| 44) Trichloroethene            | 7.19  | 130  | 163710   | 48.734   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 138343   | 50.069   | ug/l   | 98       |
| 46) Dibromomethane             | 7.63  | 93   | 105109   | 49.946   | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.88  | 83   | 208299   | 50.482   | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.74  | 41   | 136219   | 48.899   | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.74  | 88   | 63255    | 1004.977 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 870246   | 261.220  | ug/l   | 100      |
| 52) Toluene                    | 8.77  | 92   | 380428   | 50.003   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 236855   | 50.832   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 248720   | 50.548   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 154794   | 49.909   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 229419   | 51.415   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 251362   | 51.060   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 592402   | 252.730  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.48  | 43   | 662351   | 266.790  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 176574   | 52.234   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 166830   | 50.274   | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.32  | 164  | 145373   | 46.128   | ug/l   | 92       |
| 65) Chlorobenzene              | 10.12 | 112  | 425286   | 48.981   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.20 | 131  | 154479   | 50.043   | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.24 | 91   | 721257   | 48.191   | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.34 | 106  | 562406   | 98.096   | ug/l   | 100      |
| 69) o-Xylene                   | 10.68 | 106  | 271303   | 49.444   | ug/l   | 100      |
| 70) Styrene                    | 10.70 | 104  | 473320   | 50.808   | ug/l   | 99       |
| 71) Bromoform                  | 10.84 | 173  | 129140   | 51.822   | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.00 | 105  | 723289   | 47.967   | ug/l   | 100      |
| 74) N-amyl acetate             | 10.88 | 43   | 246068   | 50.933   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 225316   | 49.600   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 272537   | 65.052   | ug/l   | 85       |
| 77) Bromobenzene               | 11.24 | 156  | 183956   | 48.305   | ug/l   | 99       |
| 78) n-propylbenzene            | 11.34 | 91   | 819076   | 47.937   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.40 | 91   | 479280   | 48.082   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 606861   | 48.736   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.05 | 75   | 81726    | 49.700   | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 571421   | 48.178   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 611237   | 49.830   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 610728   | 48.981   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.93 | 105  | 718385   | 48.396   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 666867   | 49.168   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 327214   | 46.840   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 343722   | 47.945   | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.37 | 91   | 586131   | 47.212   | ug/l   | 100      |
| 90) Hexachloroethane           | 12.58 | 117  | 106830   | 51.450   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 12.37 | 146  | 321345   | 49.337   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 50231    | 48.561   | ug/l   | 98       |

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Operator : JC/SP  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 18 Sample Multiplier: 1

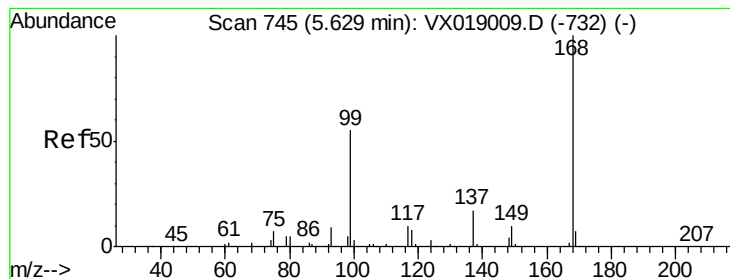
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102120

Quant Time: Nov 03 12:08:03 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X102120W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 22 17:51:42 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180  | 223806   | 46.967 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.76 | 225  | 103021   | 46.633 | ug/l  | 98       |
| 95) Naphthalene            | 13.82 | 128  | 753291   | 50.243 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.00 | 180  | 214342   | 46.211 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

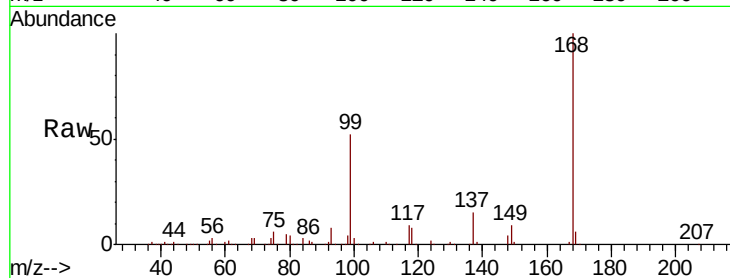
ICVVX102120

Tot Ion:168 Resp: 261980

Ion Ratio Lower Upper

168 100

99 51.7 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

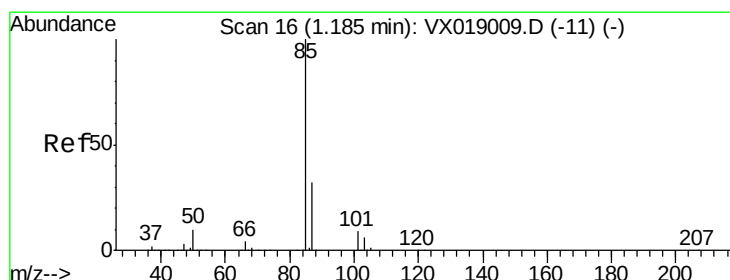
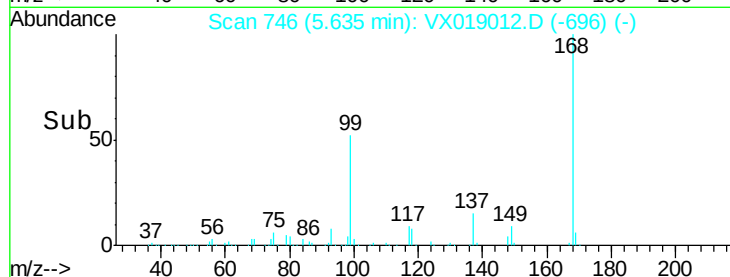
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.069 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019012.D

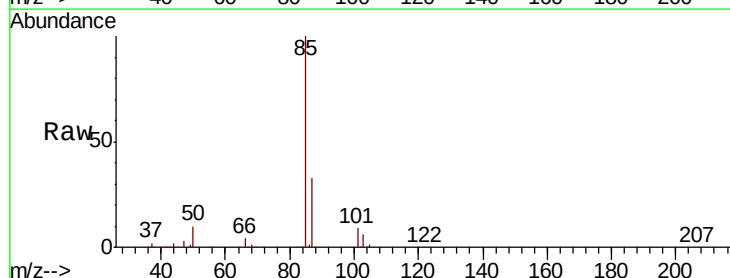
Acq: 21 Oct 2020 20:37

Tgt Ion: 85 Resp: 130657

Ion Ratio Lower Upper

85 100

87 33.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

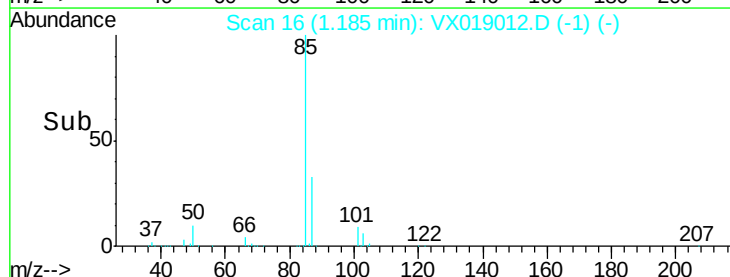
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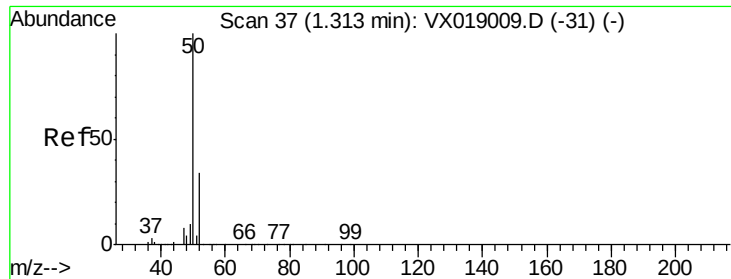
100000

50000

0

Time-->





#3

Chloromethane

Concen: 49.089 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

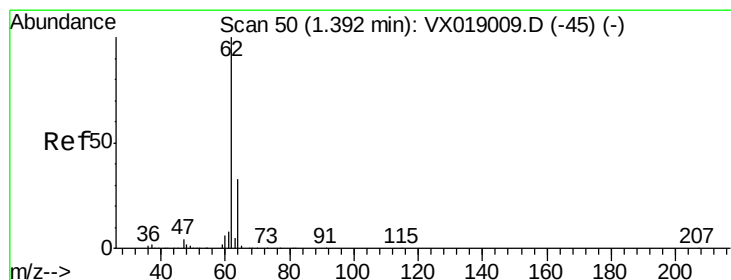
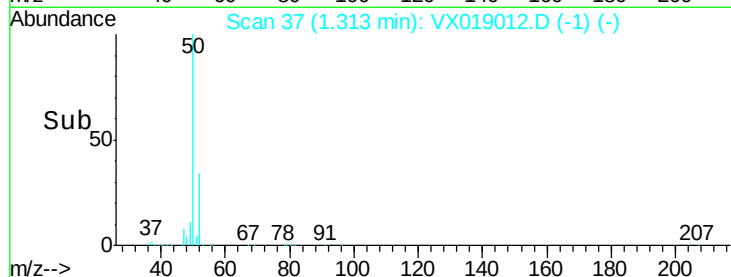
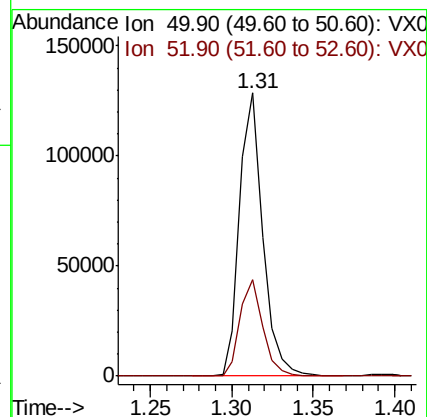
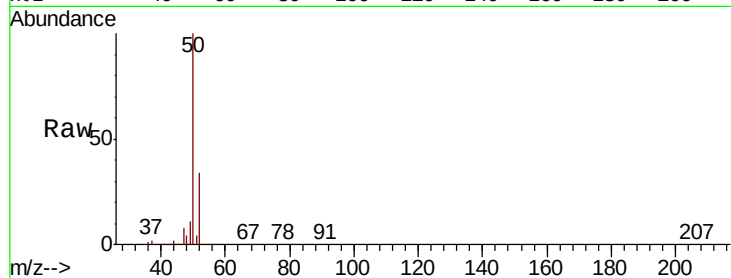
ICVVX102120

Tot Ion: 50 Resp: 127368

Ion Ratio Lower Upper

50 100

52 33.9 27.0 40.6



#4

Vinyl Chloride

Concen: 49.636 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019012.D

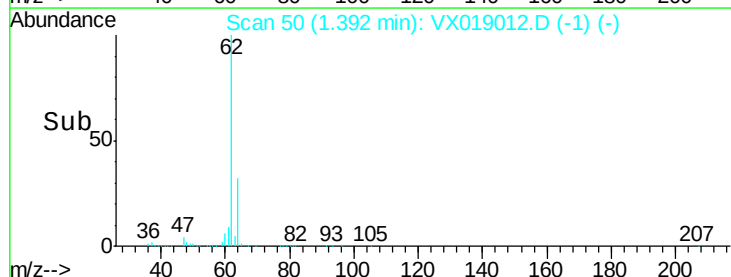
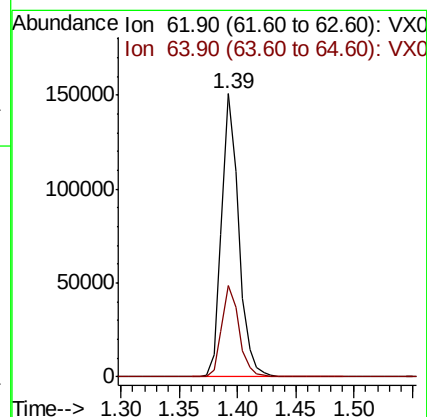
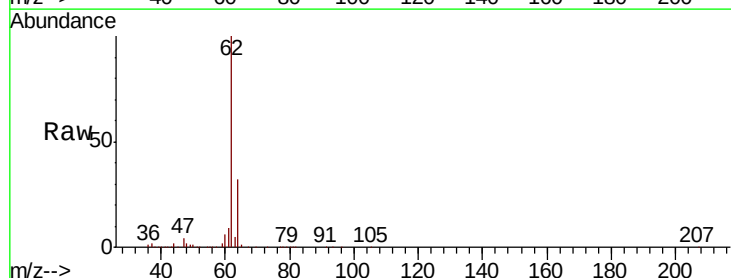
Acq: 21 Oct 2020 20:37

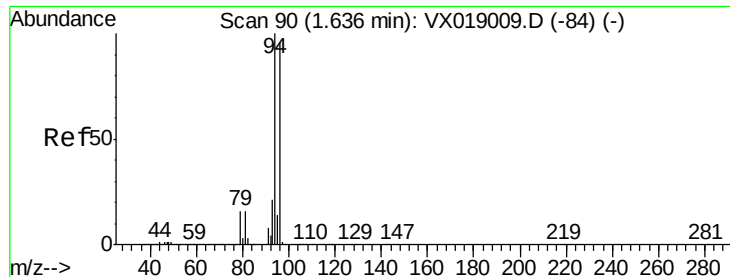
Tgt Ion: 62 Resp: 151960

Ion Ratio Lower Upper

62 100

64 32.4 26.5 39.7





#5

Bromomethane

Concen: 57.475 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

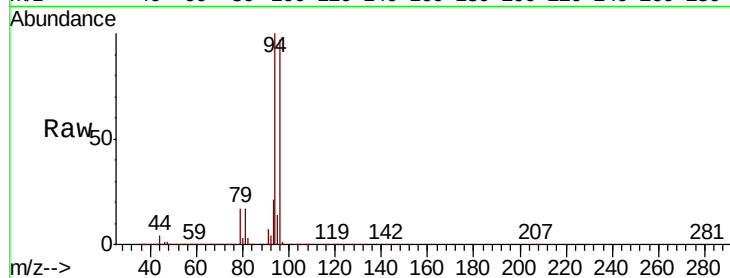
ICVVX102120

Tot Ion: 94 Resp: 157510

Ion Ratio Lower Upper

94 100

96 96.5 77.1 115.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150000

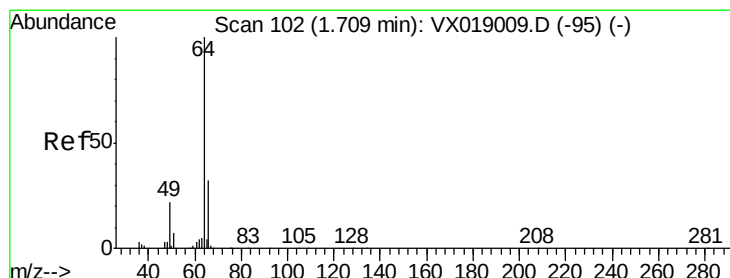
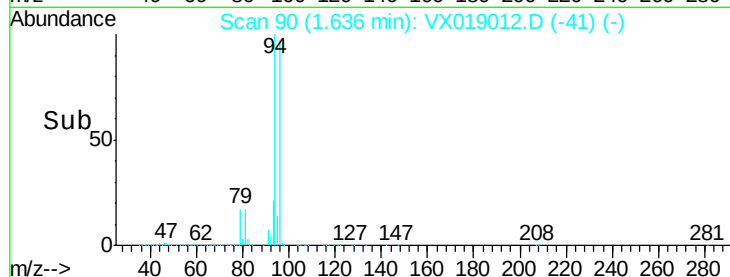
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50000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 53.384 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX019012.D

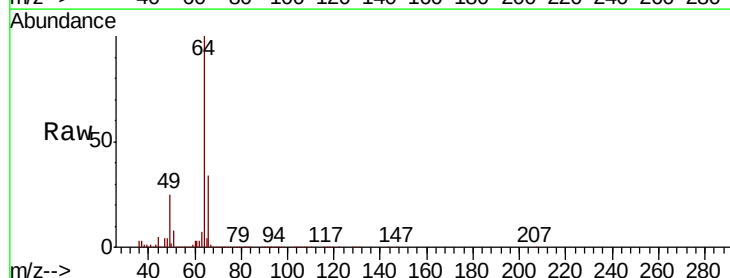
Acq: 21 Oct 2020 20:37

Tgt Ion: 64 Resp: 111948

Ion Ratio Lower Upper

64 100

66 34.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

100000

80000

60000

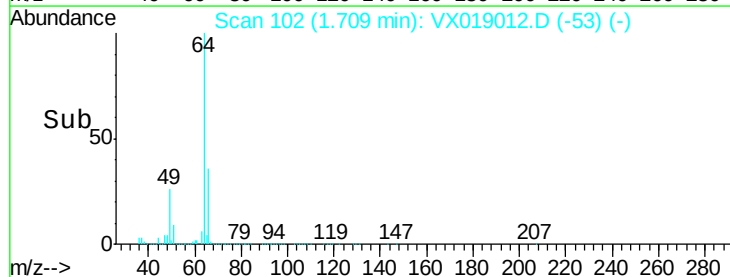
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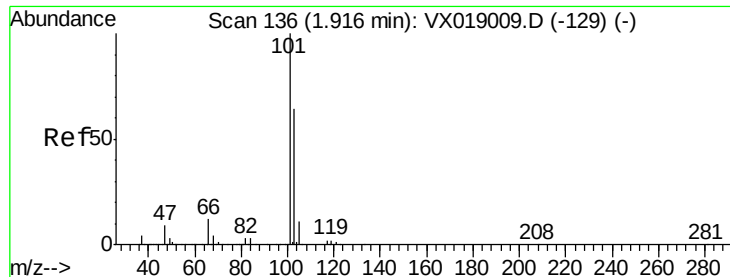
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0

Time-->

1.65 1.70 1.75 1.80



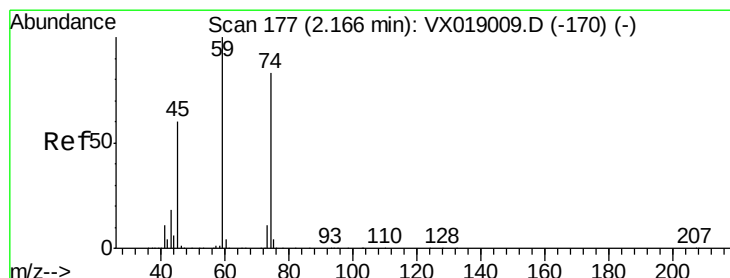
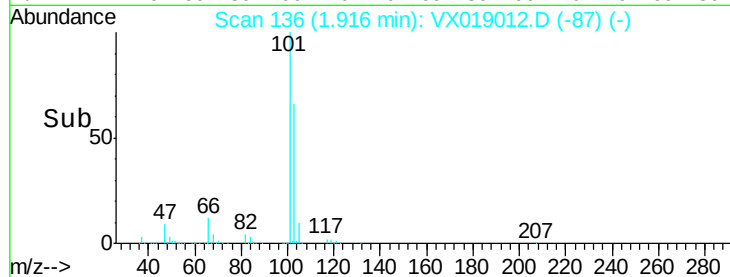
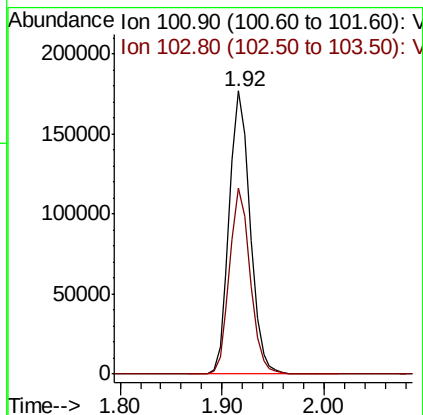
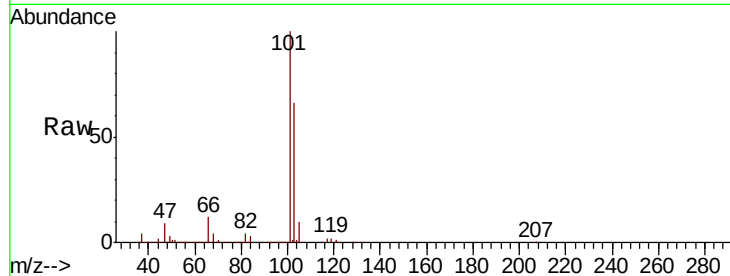


#7

Trichlorofluoromethane  
 Concen: 48.306 ug/l  
 RT: 1.92 min Scan# 136  
 Delta R.T. -0.00 min  
 Lab File: VX019012.D  
 Acq: 21 Oct 2020 20:37

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX102120

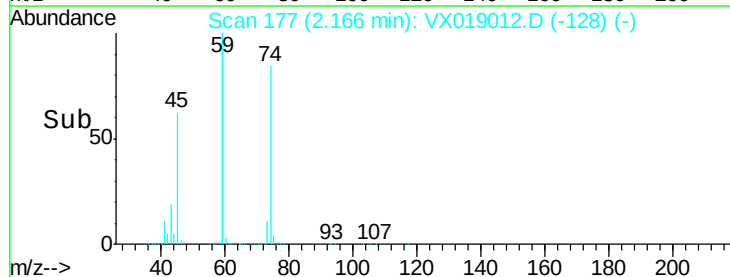
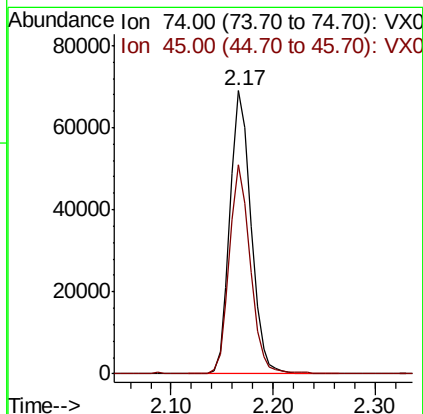
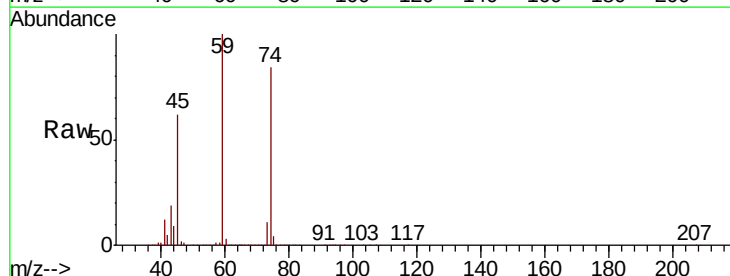
Tot Ion:101 Resp: 249917  
 Ion Ratio Lower Upper  
 101 100  
 103 65.7 51.2 76.8



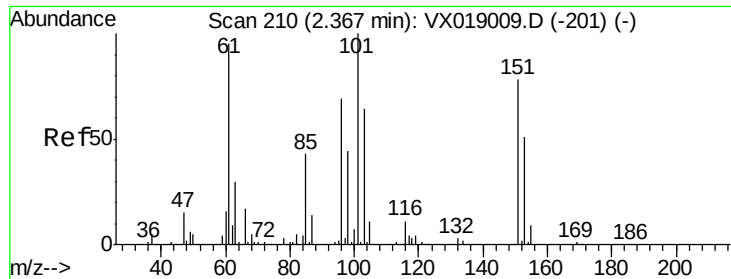
#8

Diethyl Ether  
 Concen: 48.602 ug/l  
 RT: 2.17 min Scan# 177  
 Delta R.T. -0.00 min  
 Lab File: VX019012.D  
 Acq: 21 Oct 2020 20:37

Tgt Ion: 74 Resp: 98457  
 Ion Ratio Lower Upper  
 74 100  
 45 72.6 36.8 110.4







#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.303 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX102120

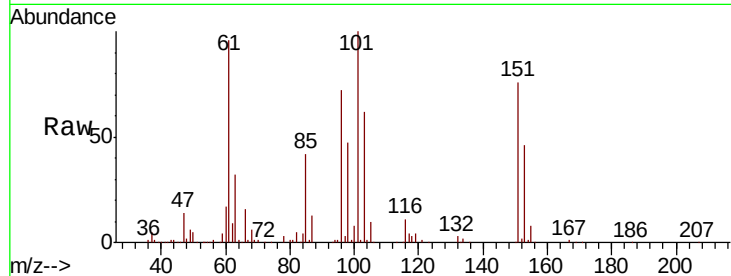
Tot Ion:101 Resp: 118389

Ion Ratio Lower Upper

101 100

85 43.4 35.2 52.8

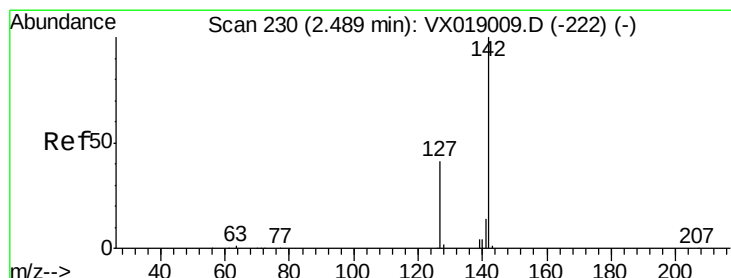
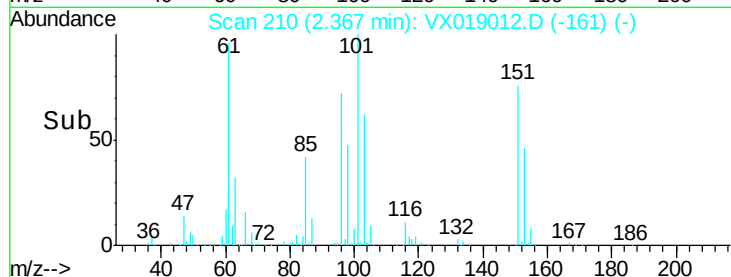
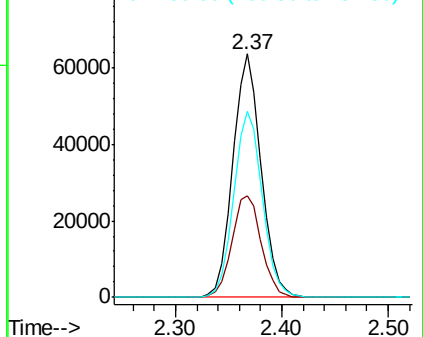
151 77.4 62.4 93.6



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: 46.563 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

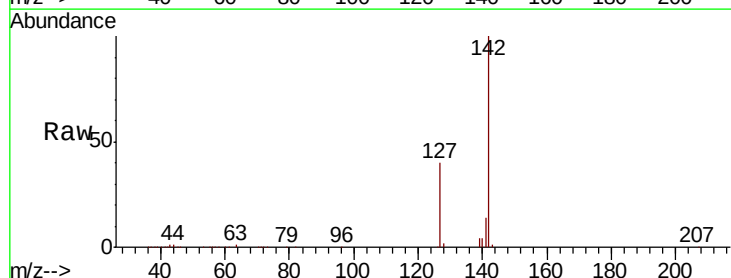
Tgt Ion:142 Resp: 159676

Ion Ratio Lower Upper

142 100

127 42.2 33.6 50.4

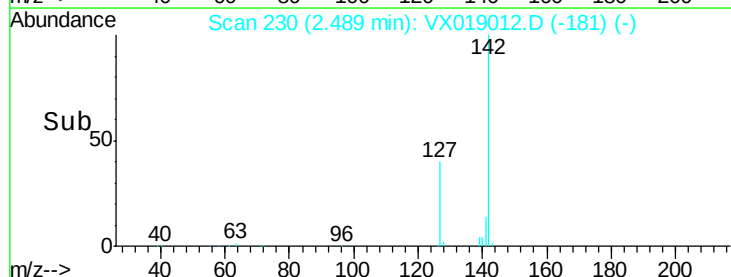
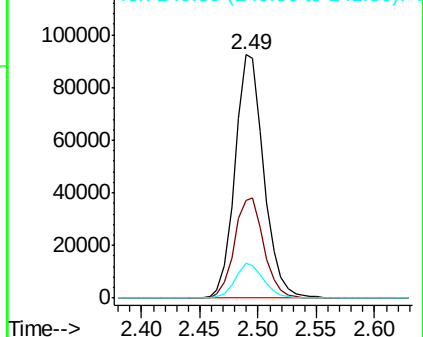
141 14.1 11.2 16.8

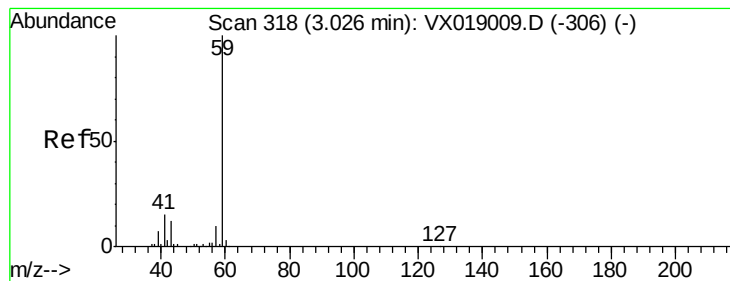


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



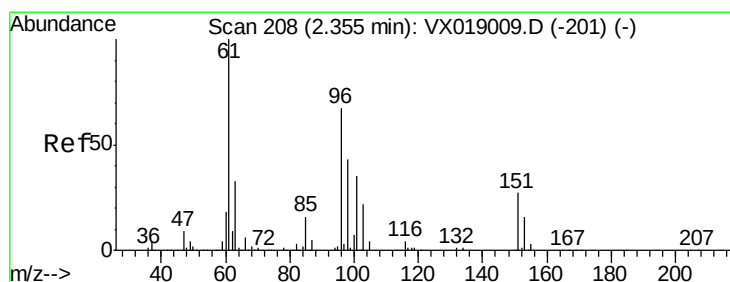
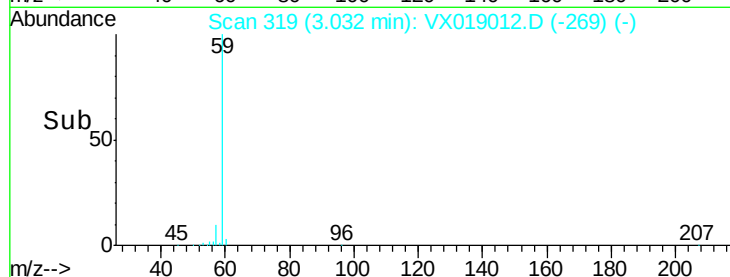
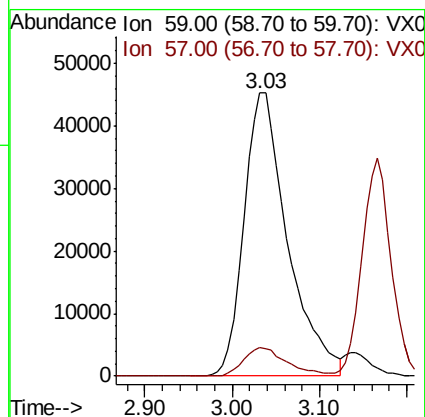
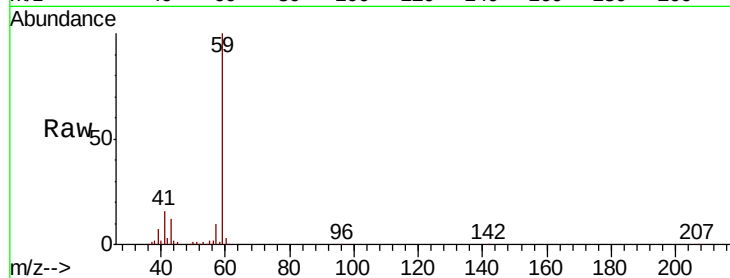


#11

Tert butyl alcohol  
 Concen: 246.260 ug/l  
 RT: 3.03 min Scan# 319  
 Delta R.T. 0.01 min  
 Lab File: VX019012.D  
 Acq: 21 Oct 2020 20:37

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX102120

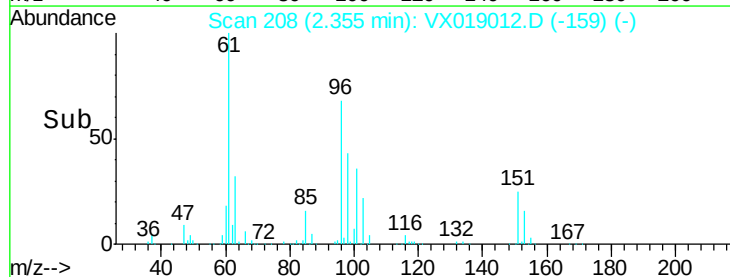
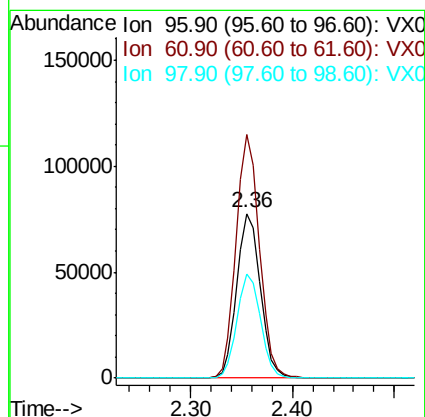
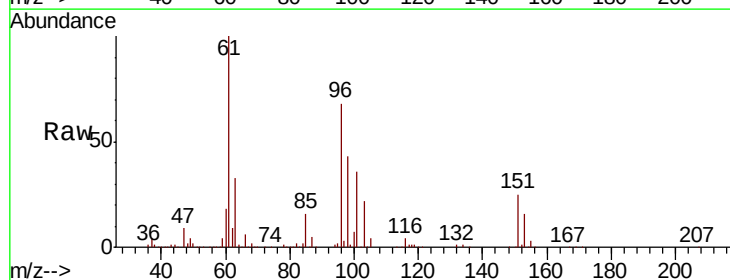
Tot Ion: 59 Resp: 156515  
 Ion Ratio Lower Upper  
 59 100  
 57 10.1 8.2 12.2

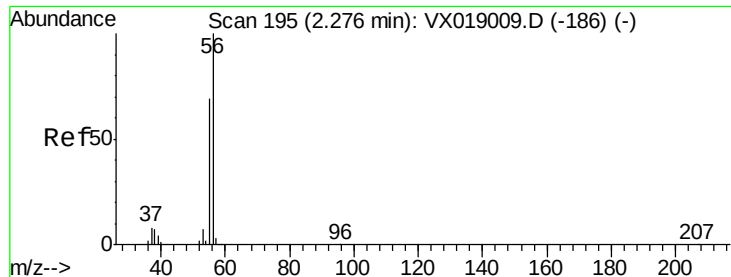


#12

1,1-Dichloroethene  
 Concen: 48.675 ug/l  
 RT: 2.36 min Scan# 208  
 Delta R.T. -0.00 min  
 Lab File: VX019012.D  
 Acq: 21 Oct 2020 20:37

Tgt Ion: 96 Resp: 124118  
 Ion Ratio Lower Upper  
 96 100  
 61 147.8 119.0 178.6  
 98 63.1 51.0 76.4





#13

Acrolein

Concen: 245.716 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

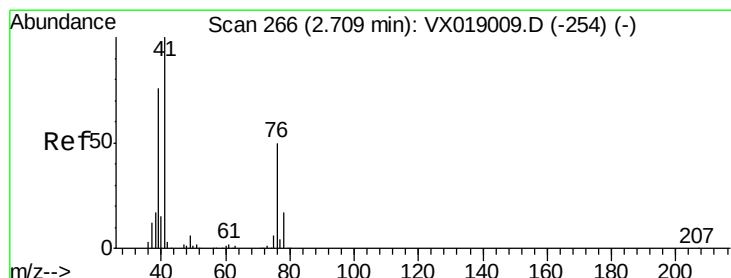
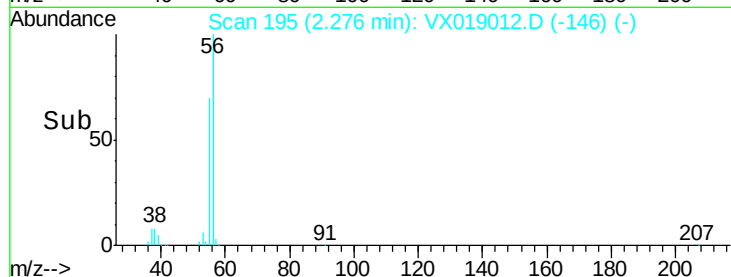
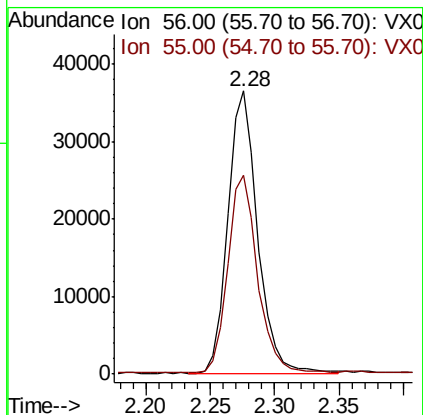
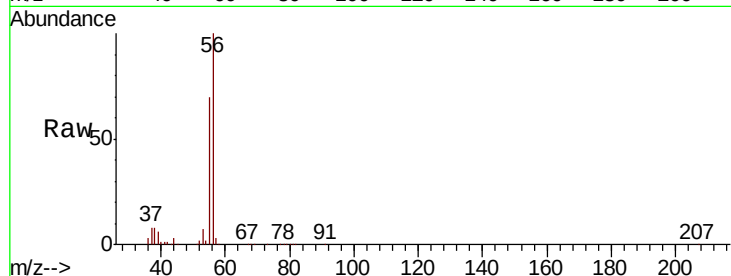
ICVVX102120

Tot Ion: 56 Resp: 58830

Ion Ratio Lower Upper

56 100

55 70.1 54.2 81.4



#14

Allyl chloride

Concen: 49.227 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

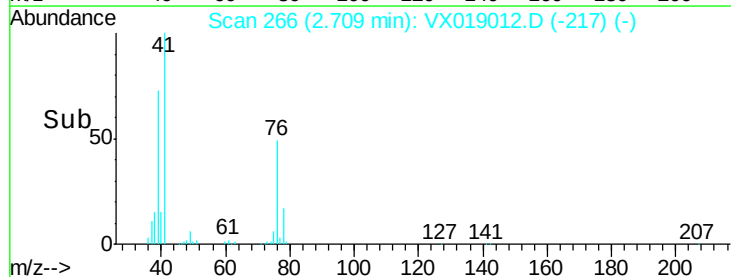
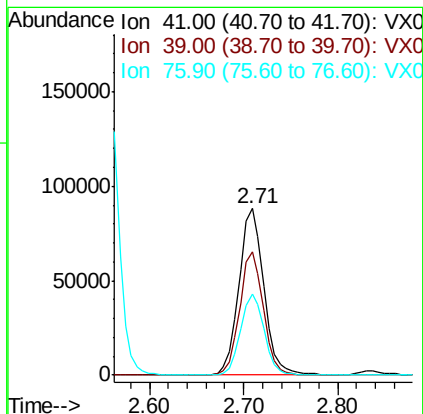
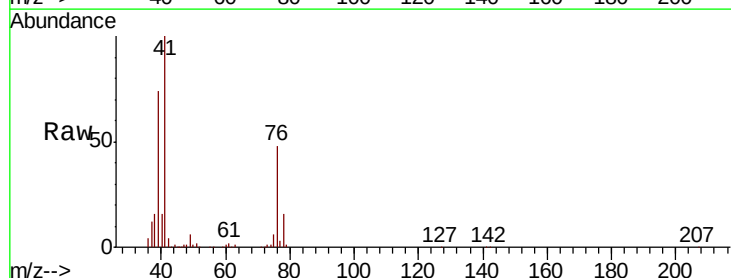
Tgt Ion: 41 Resp: 162386

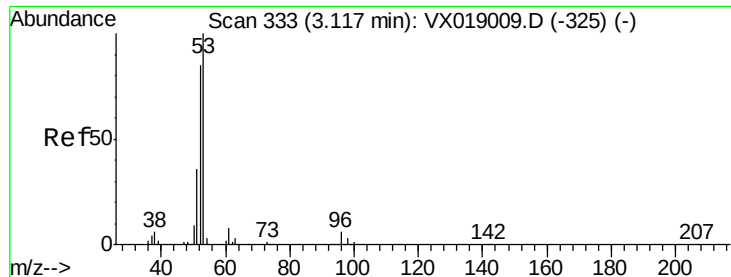
Ion Ratio Lower Upper

41 100

39 70.1 57.4 86.0

76 45.9 37.7 56.5





#15

Acrylonitrile

Concen: 249.059 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX102120

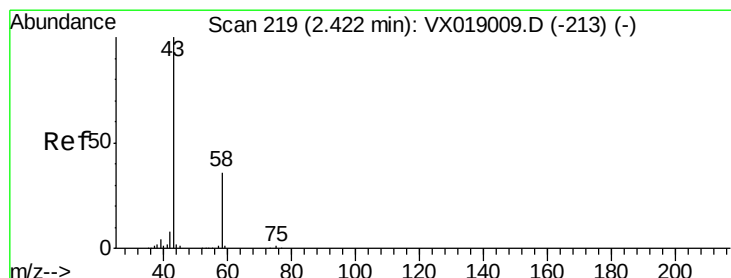
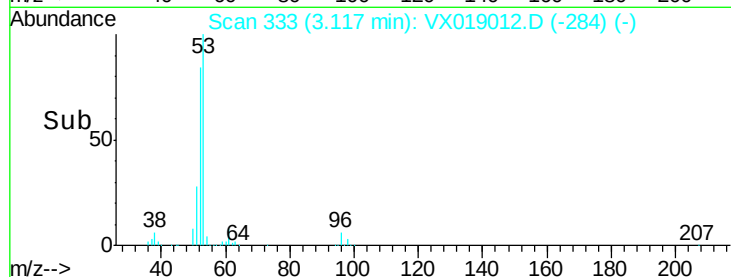
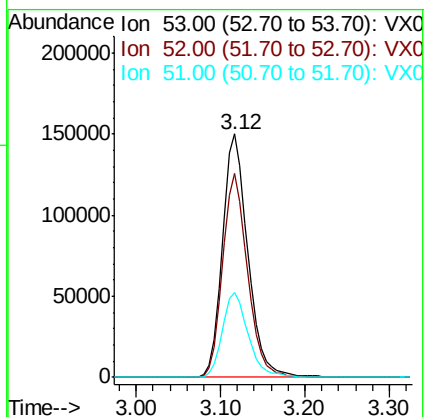
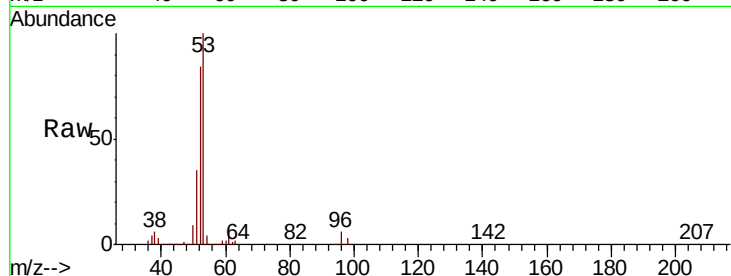
Tot Ion: 53 Resp: 306100

Ion Ratio Lower Upper

53 100

52 83.1 65.9 98.9

51 35.4 28.3 42.5



#16

Acetone

Concen: 248.900 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019012.D

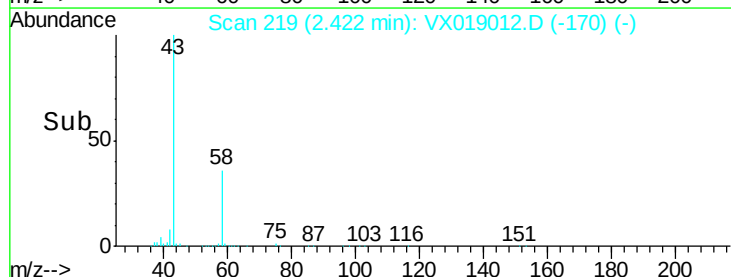
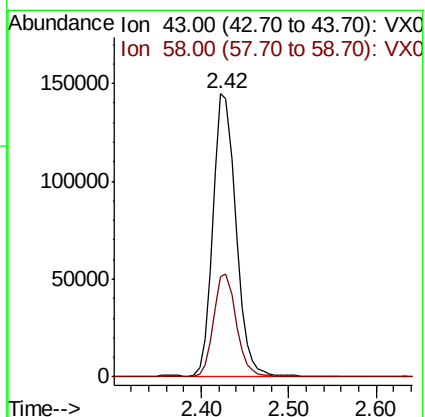
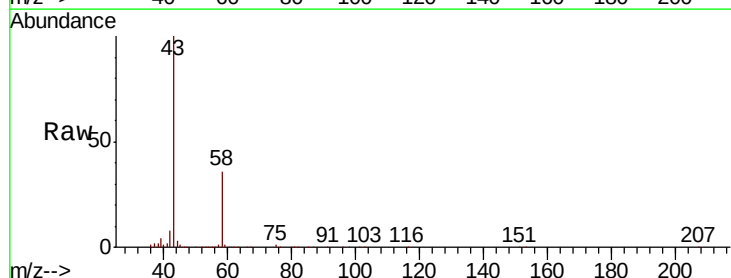
Acq: 21 Oct 2020 20:37

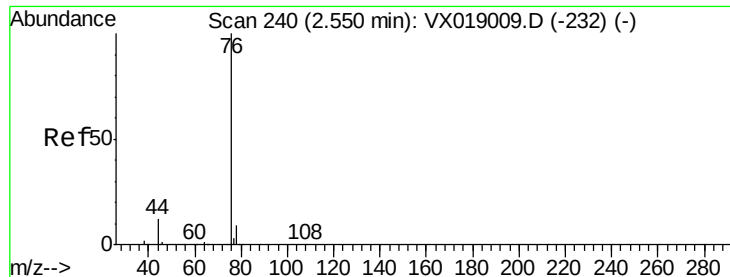
Tgt Ion: 43 Resp: 266043

Ion Ratio Lower Upper

43 100

58 35.5 28.6 42.8





#17

Carbon Disulfide

Concen: 47.460 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

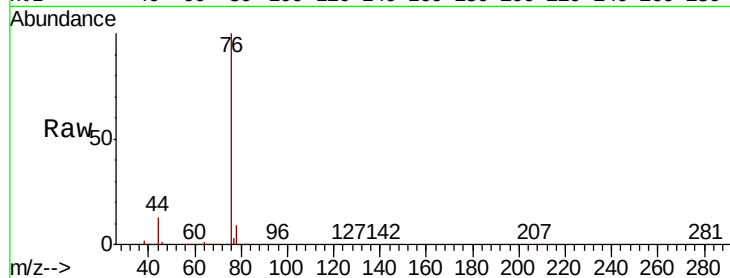
ICVVX102120

Tot Ion: 76 Resp: 349025

Ion Ratio Lower Upper

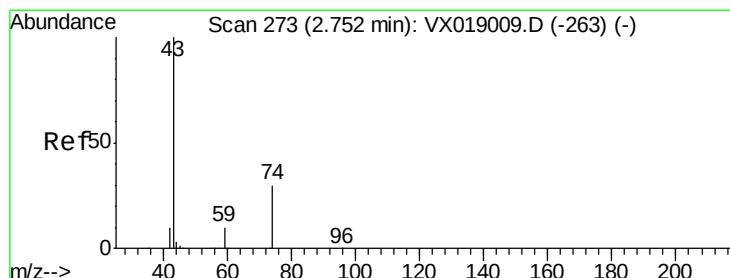
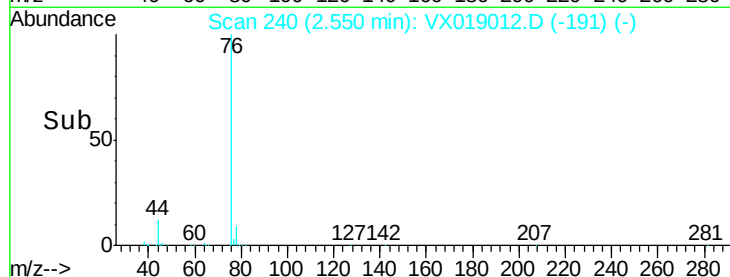
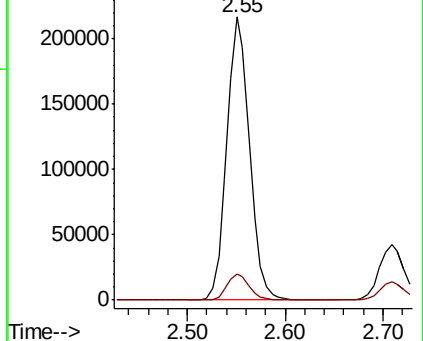
76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 50.122 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX019012.D

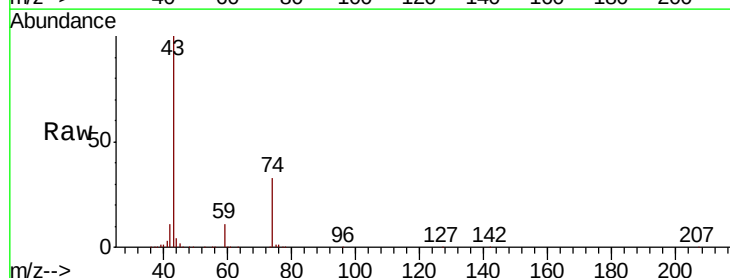
Acq: 21 Oct 2020 20:37

Tgt Ion: 43 Resp: 132943

Ion Ratio Lower Upper

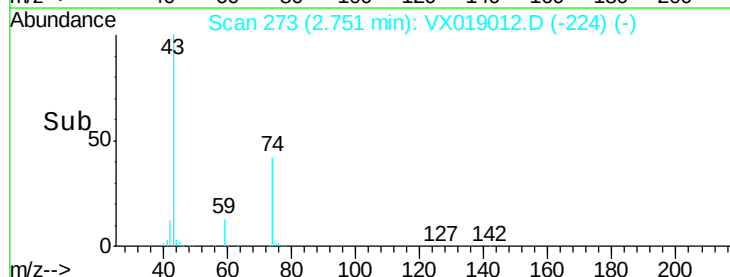
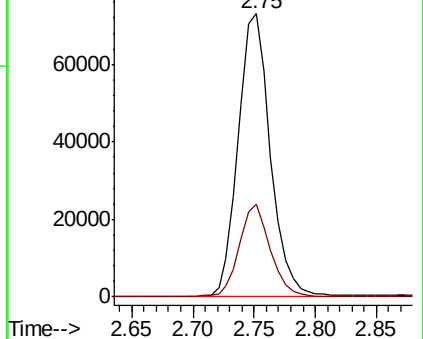
43 100

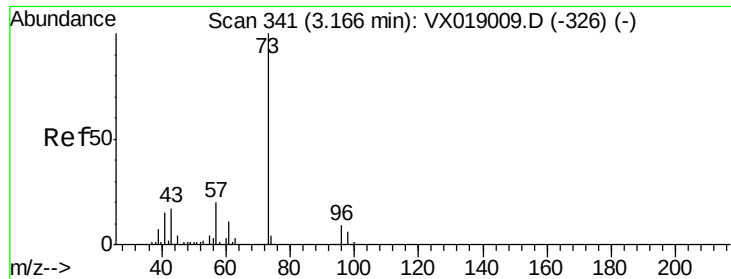
74 32.0 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

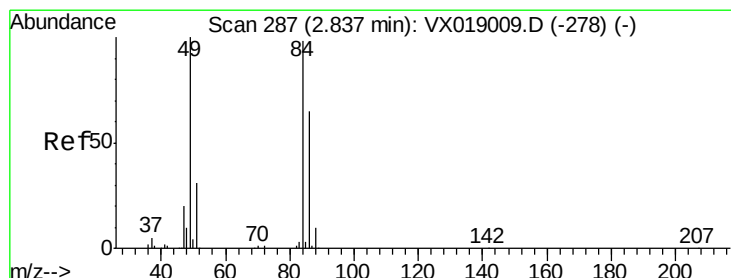
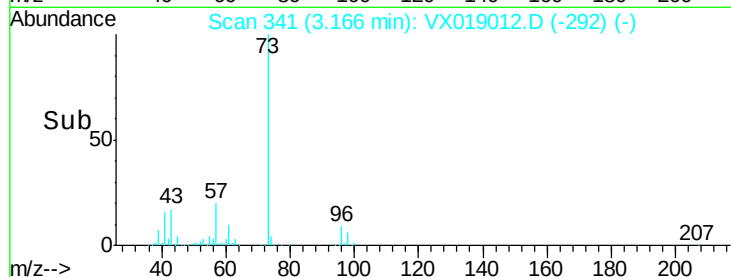
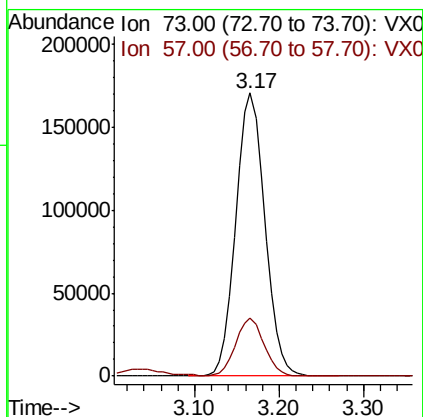
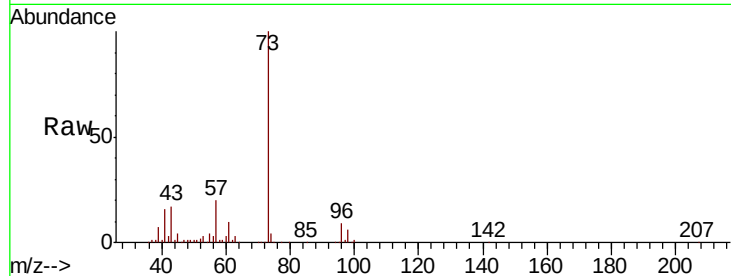




#19  
Methyl tert-butyl Ether  
Concen: 49.182 ug/l  
RT: 3.17 min Scan# 341  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

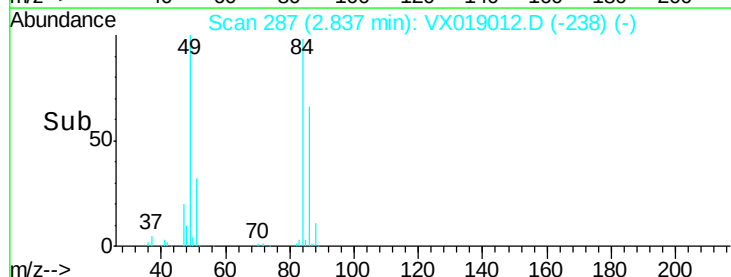
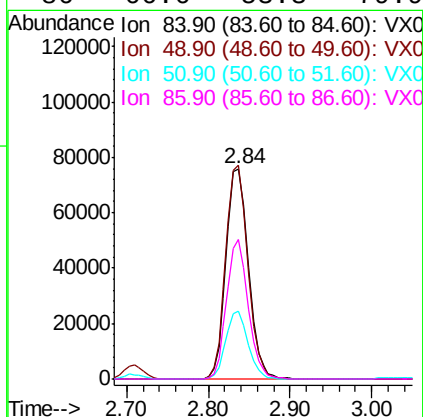
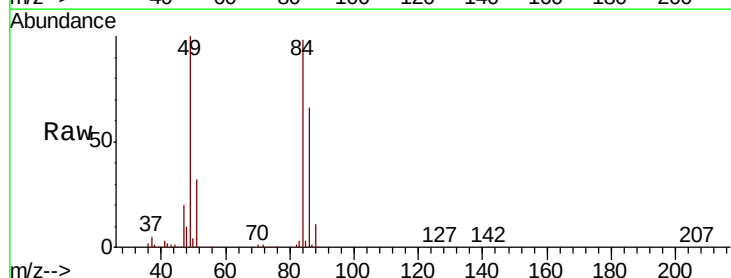
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102120

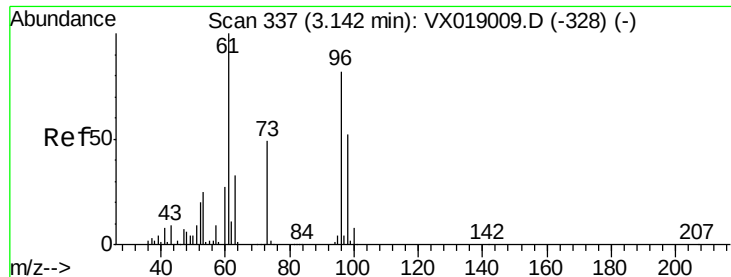
Tot Ion: 73 Resp: 397251  
Ion Ratio Lower Upper  
73 100  
57 20.4 16.2 24.2



#20  
Methylene Chloride  
Concen: 48.484 ug/l  
RT: 2.84 min Scan# 287  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

Tgt Ion: 84 Resp: 144273  
Ion Ratio Lower Upper  
84 100  
49 101.6 81.6 122.4  
51 32.2 25.6 38.4  
86 66.6 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 48.632 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX102120

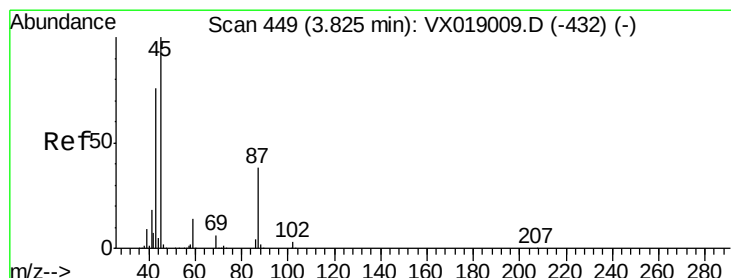
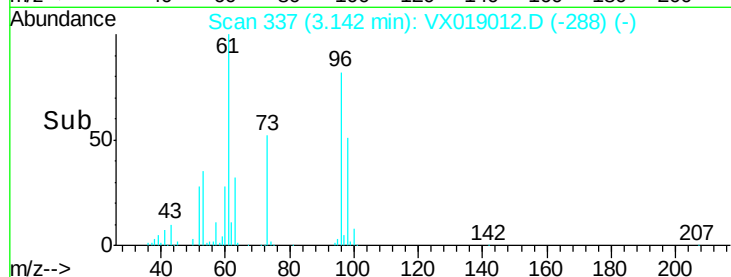
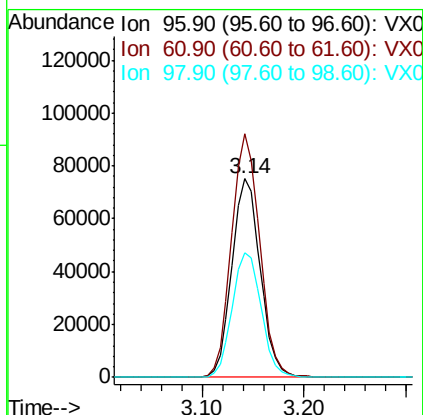
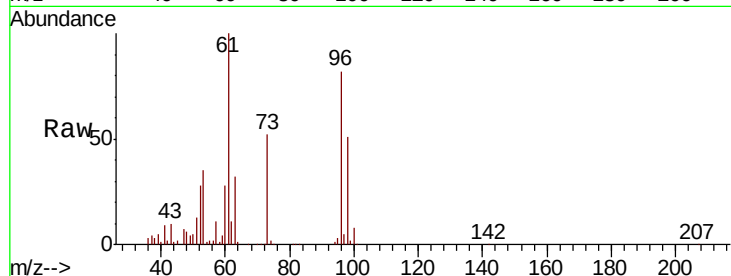
Tot Ion: 96 Resp: 144702

Ion Ratio Lower Upper

96 100

61 122.7 97.8 146.6

98 62.8 50.7 76.1



#22

Diisopropyl ether

Concen: 49.308 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Tgt Ion: 45 Resp: 320738

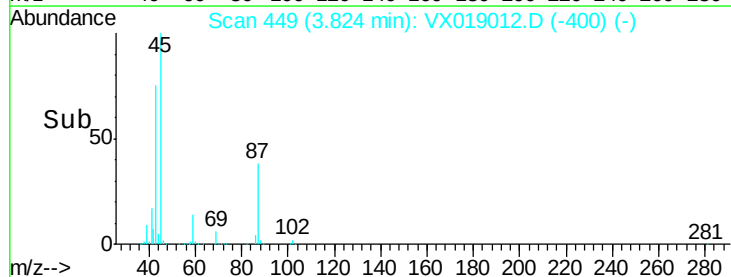
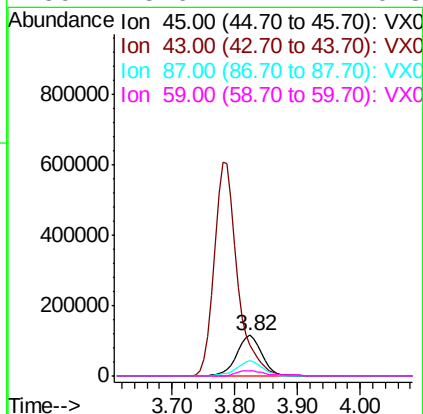
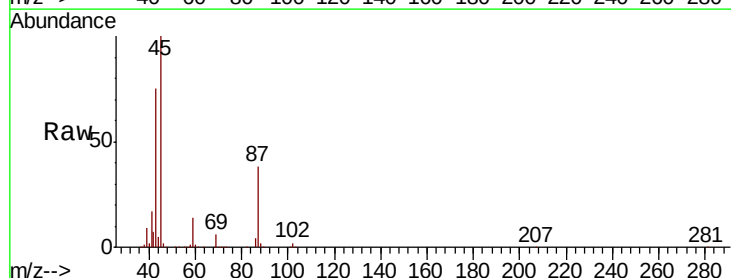
Ion Ratio Lower Upper

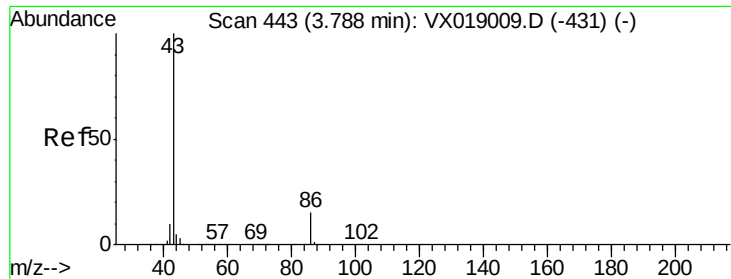
45 100

43 74.9 60.4 90.6

87 37.6 30.4 45.6

59 13.6 11.2 16.8





#23

Vinyl Acetate

Concen: 251.948 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

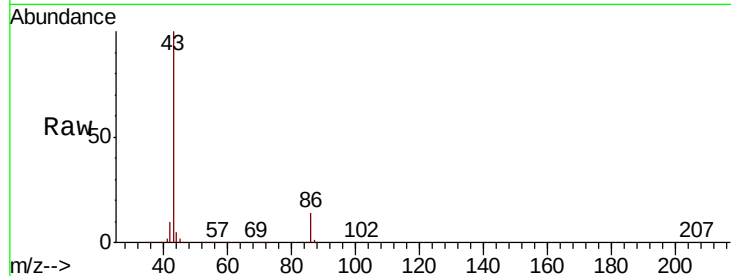
ICVVX102120

Tot Ion: 43 Resp: 1556178

Ion Ratio Lower Upper

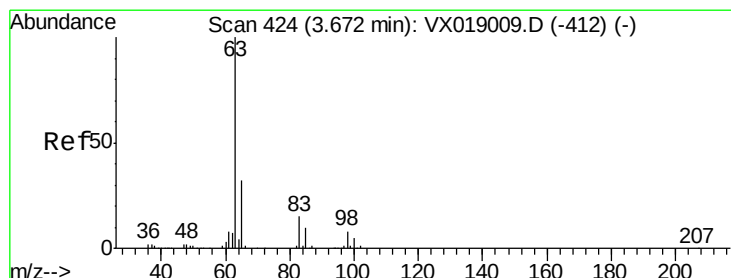
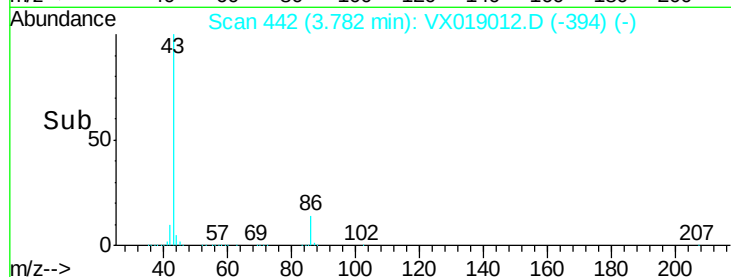
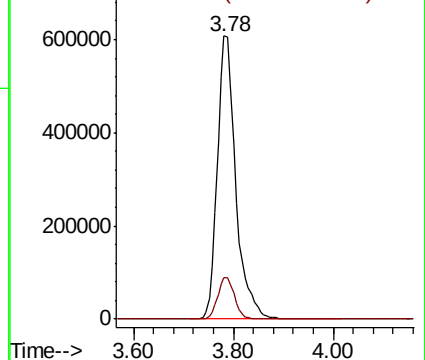
43 100

86 14.5 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.306 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

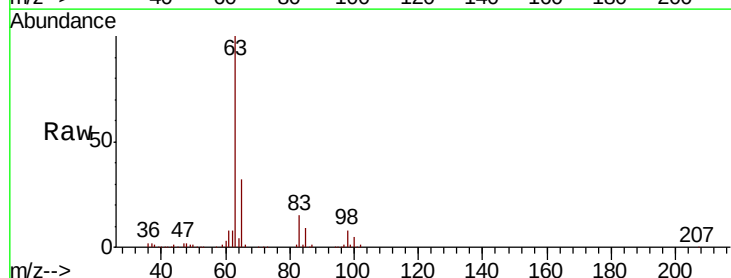
Tgt Ion: 63 Resp: 233567

Ion Ratio Lower Upper

63 100

98 8.1 4.0 12.0

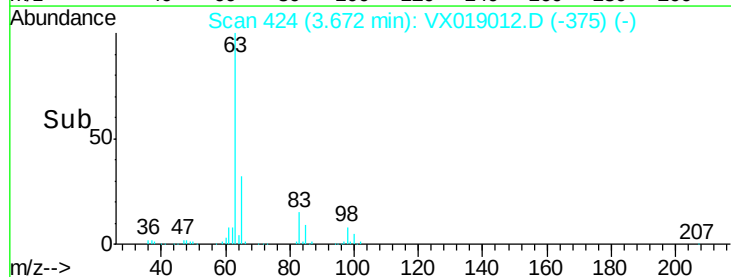
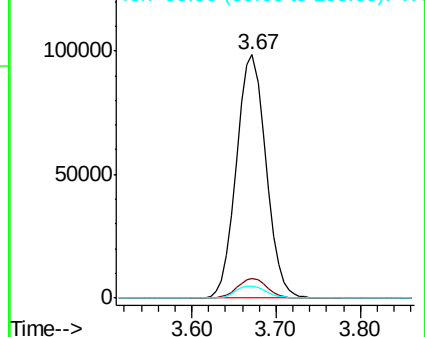
100 5.0 2.5 7.4



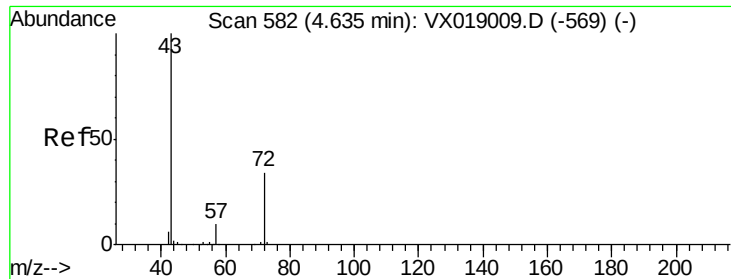
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



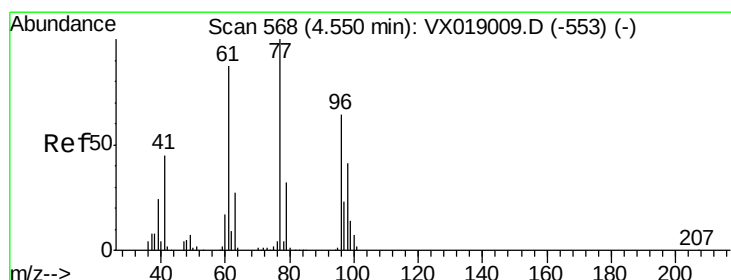
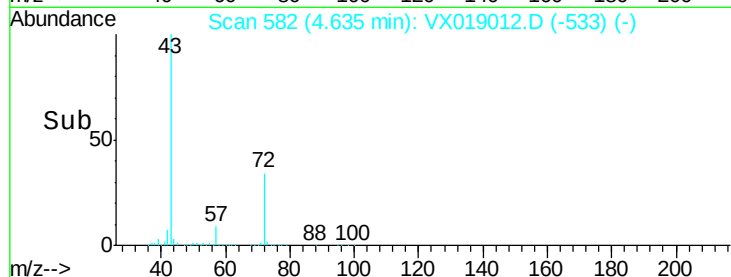
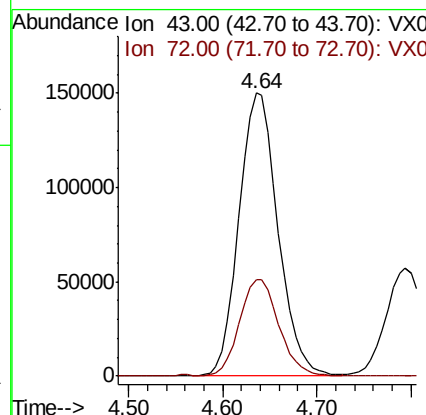
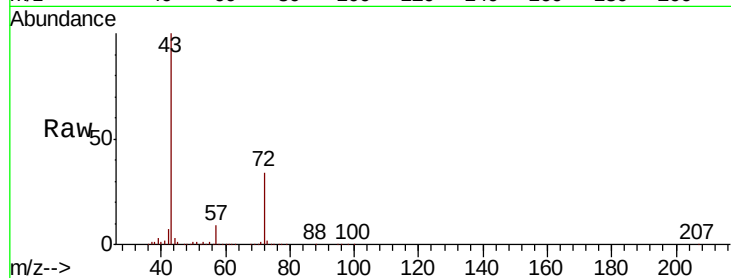




#25  
2-Butanone  
Concen: 256.279 ug/l  
RT: 4.64 min Scan# 582  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

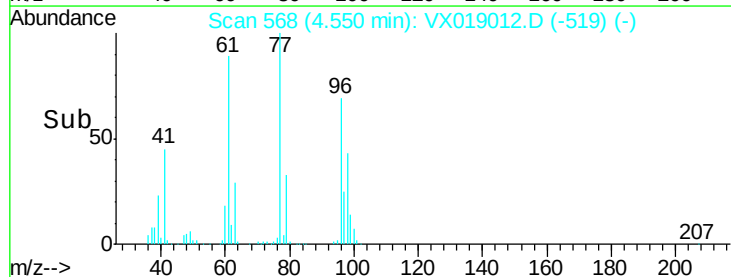
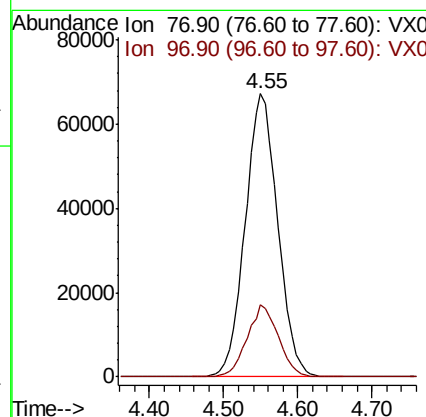
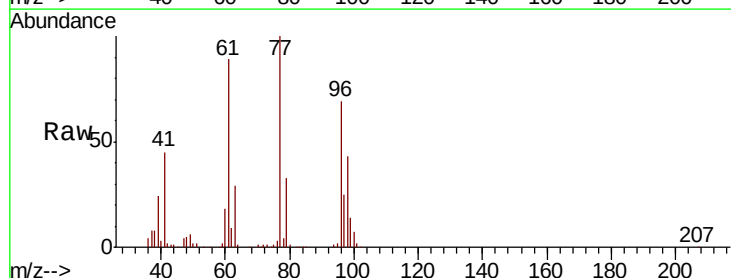
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102120

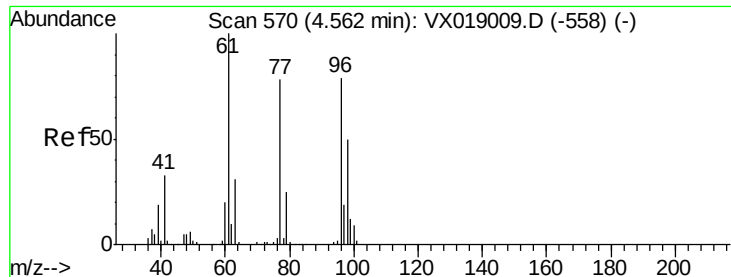
Tot Ion: 43 Resp: 432832  
Ion Ratio Lower Upper  
43 100  
72 33.8 27.8 41.6



#26  
2,2-Dichloropropane  
Concen: 47.060 ug/l  
RT: 4.55 min Scan# 568  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

Tgt Ion: 77 Resp: 205831  
Ion Ratio Lower Upper  
77 100  
97 24.4 11.9 35.7



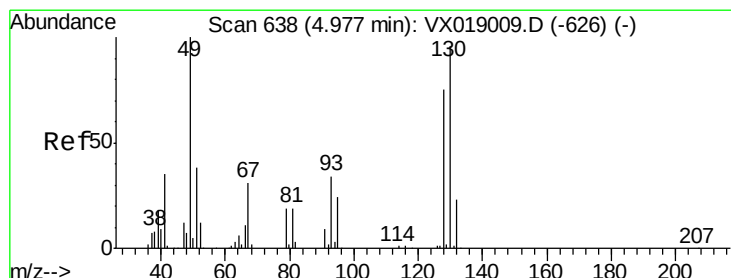
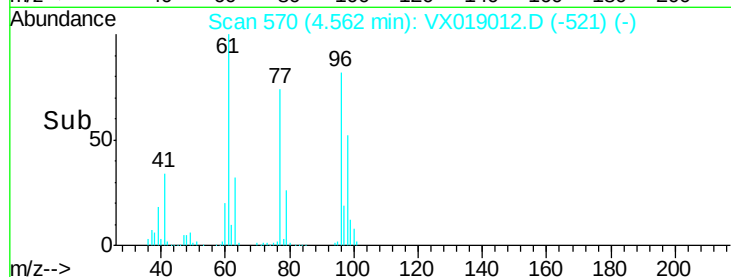
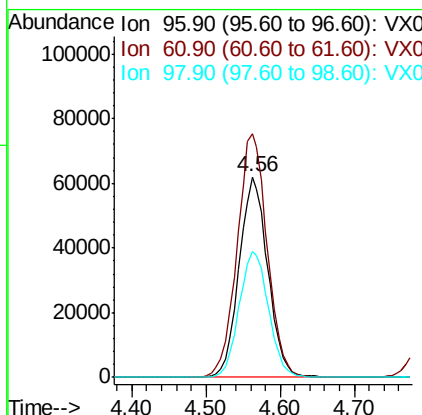
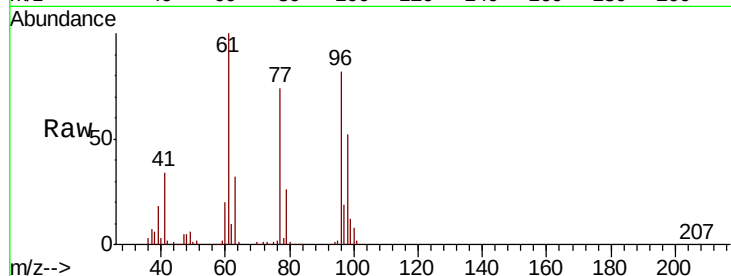


#27

cis-1,2-Dichloroethene  
Concen: 49.717 ug/l  
RT: 4.56 min Scan# 570  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102120

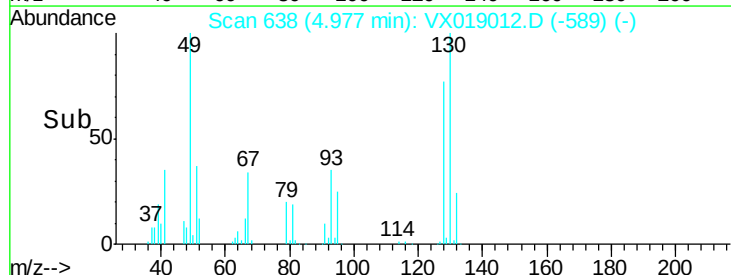
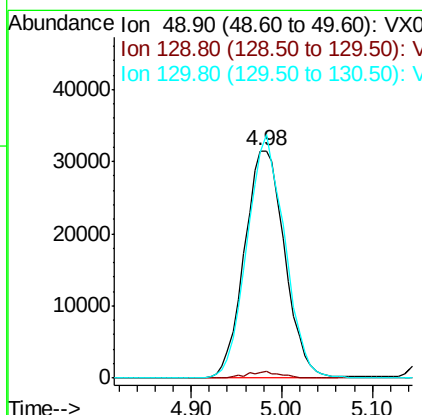
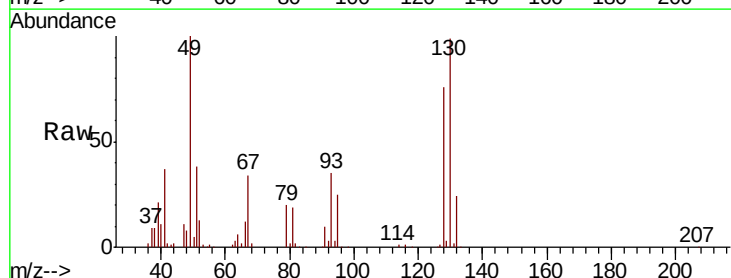
Tot Ion: 96 Resp: 167884  
Ion Ratio Lower Upper  
96 100  
61 127.3 0.0 260.0  
98 64.5 0.0 131.4

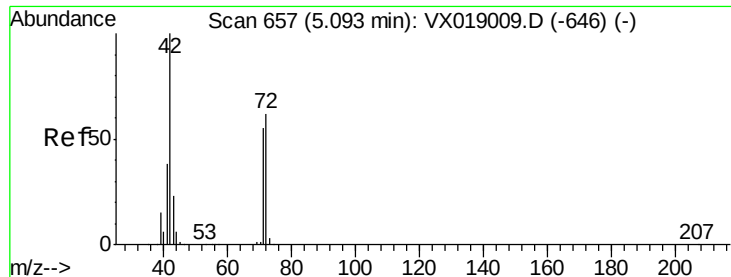


#28

Bromochloromethane  
Concen: 48.192 ug/l  
RT: 4.98 min Scan# 638  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

Tgt Ion: 49 Resp: 96940  
Ion Ratio Lower Upper  
49 100  
129 2.5 0.0 5.2  
130 100.3 79.0 118.6





#29

Tetrahydrofuran

Concen: 247.370 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampled :

ICVVX102120

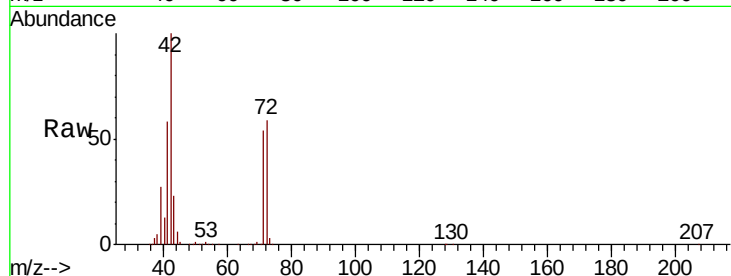
Tot Ion: 42 Resp: 249710

Ion Ratio Lower Upper

42 100

72 61.0 49.1 73.7

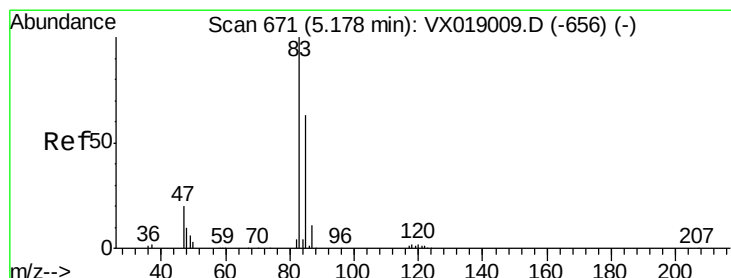
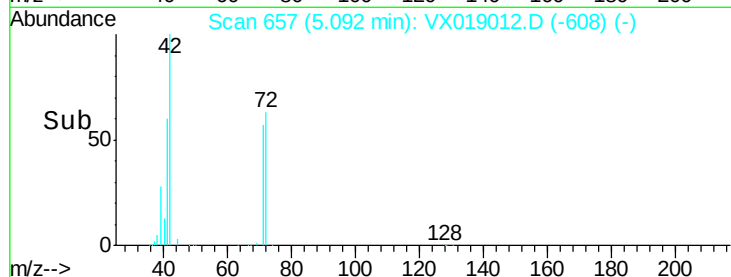
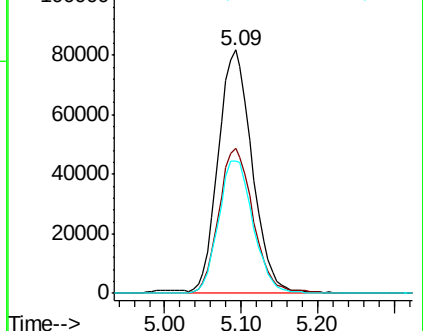
71 55.9 44.2 66.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 50.483 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX019012.D

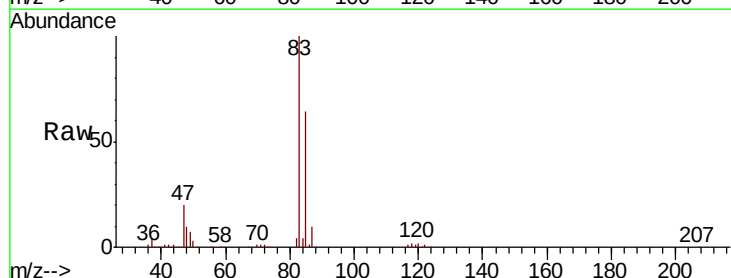
Acq: 21 Oct 2020 20:37

Tgt Ion: 83 Resp: 259633

Ion Ratio Lower Upper

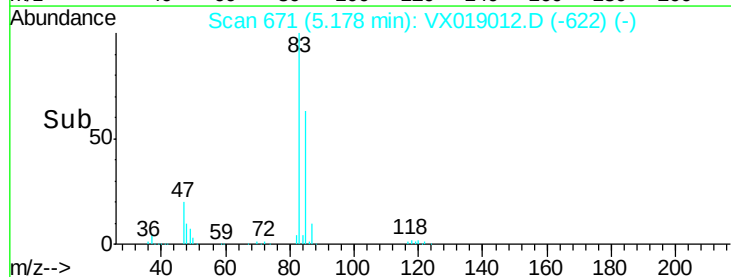
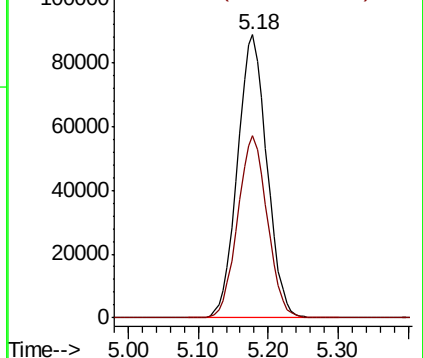
83 100

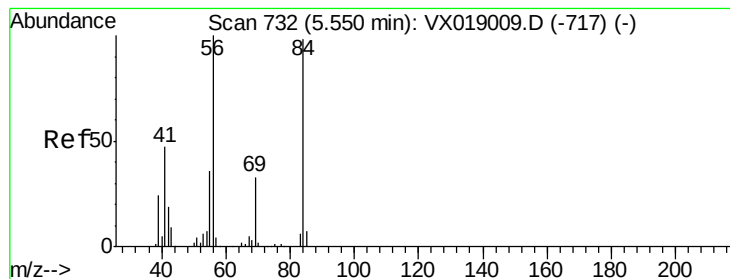
85 64.4 50.5 75.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 47.395 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

ICVX102120

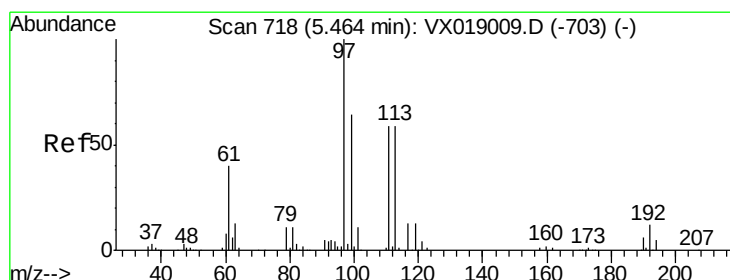
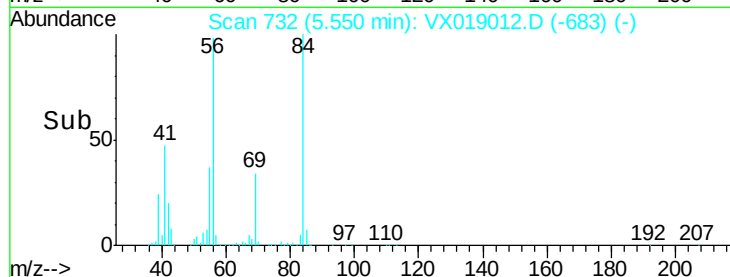
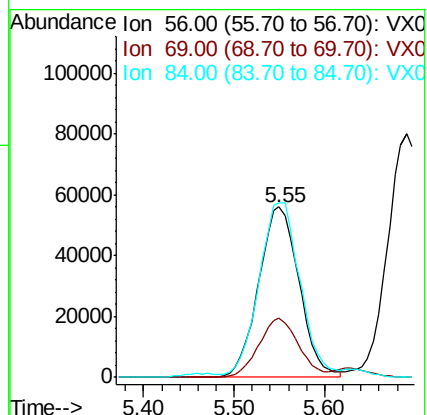
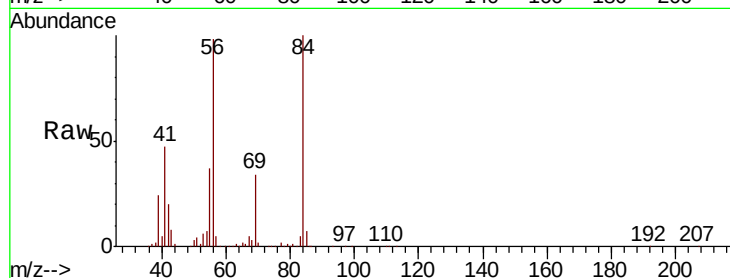
Tot Ion: 56 Resp: 174169

Ion Ratio Lower Upper

56 100

69 34.9 26.2 39.2

84 100.5 78.3 117.5



#32

1,1,1-Trichloroethane

Concen: 49.721 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

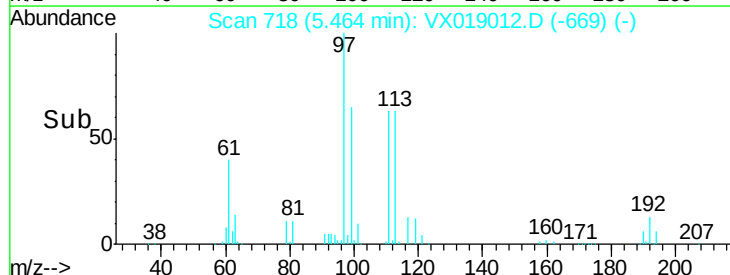
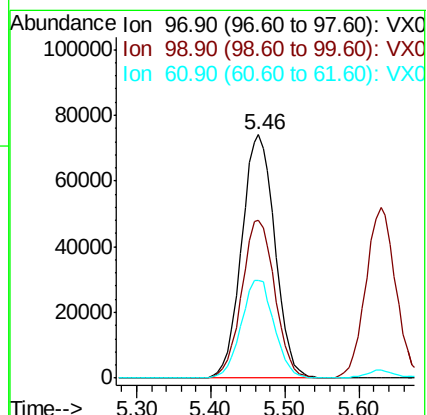
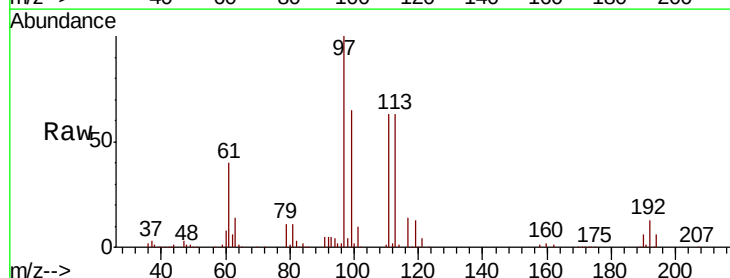
Tgt Ion: 97 Resp: 231920

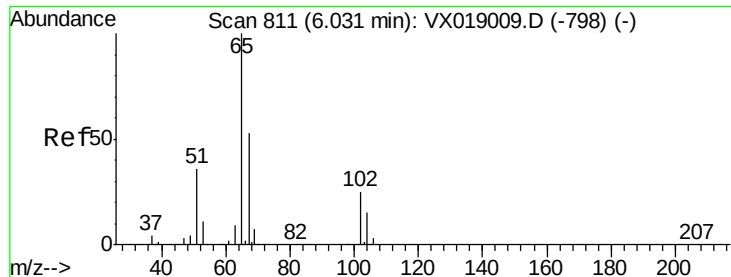
Ion Ratio Lower Upper

97 100

99 64.5 51.3 76.9

61 40.1 31.9 47.9

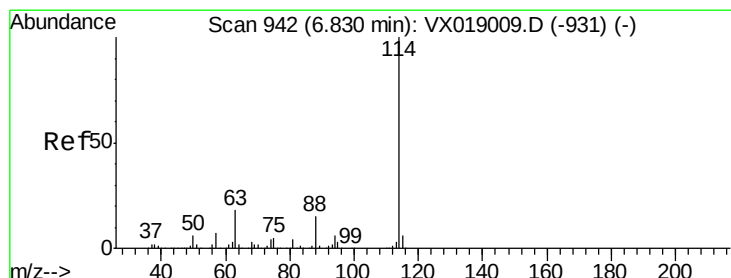
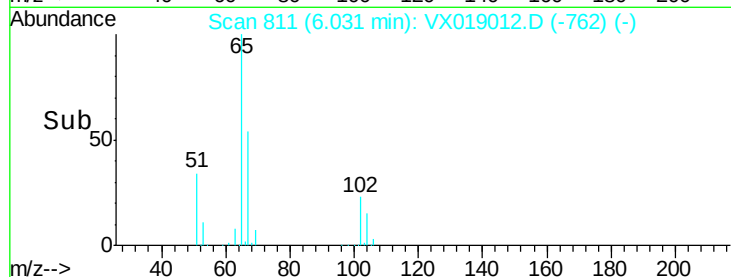
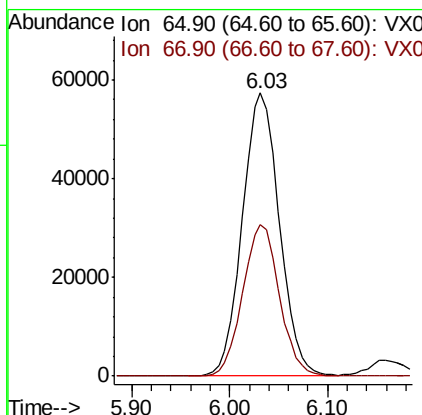
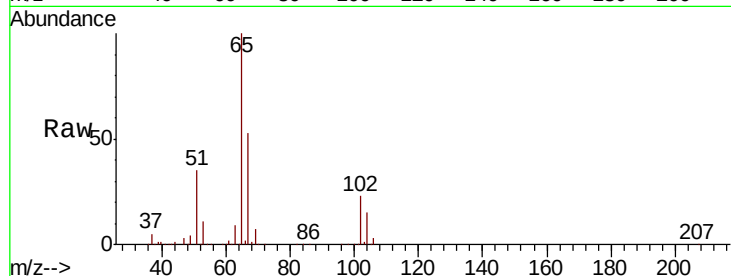




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.021 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. -0.00 min  
 Lab File: VX019012.D  
 Acq: 21 Oct 2020 20:37

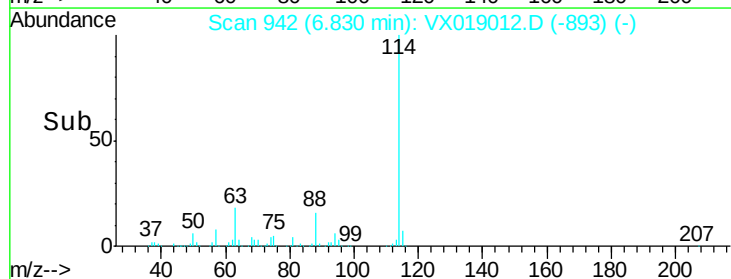
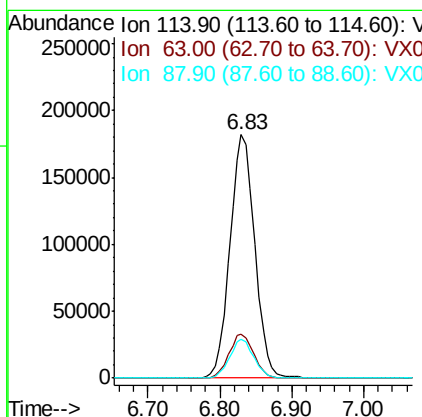
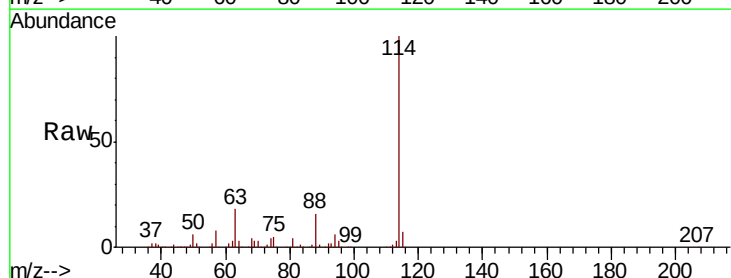
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX102120

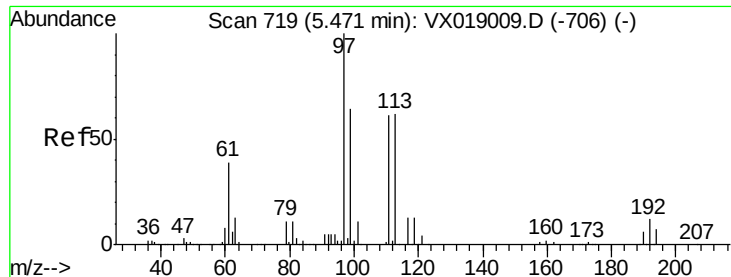
Tot Ion: 65 Resp: 150696  
 Ion Ratio Lower Upper  
 65 100  
 67 53.0 0.0 107.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. -0.00 min  
 Lab File: VX019012.D  
 Acq: 21 Oct 2020 20:37

Tgt Ion: 114 Resp: 435885  
 Ion Ratio Lower Upper  
 114 100  
 63 18.0 0.0 36.8  
 88 15.9 0.0 30.2

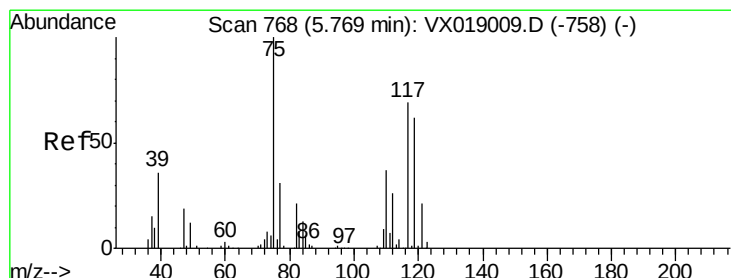
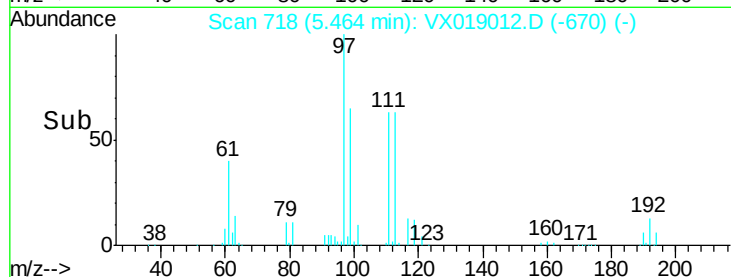
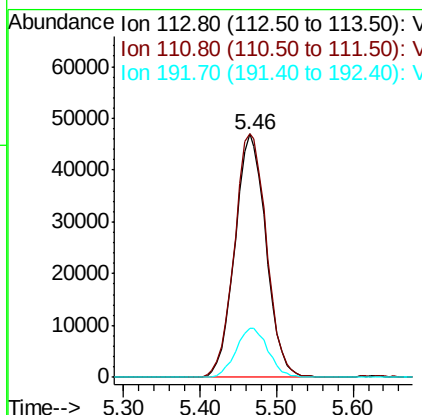
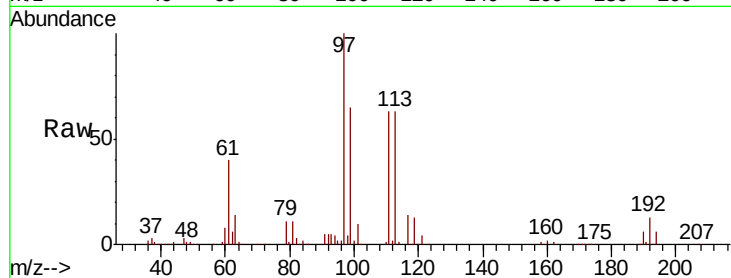




#35  
Dibromofluoromethane  
Concen: 48.014 ug/l  
RT: 5.46 min Scan# 718  
Delta R.T. -0.01 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

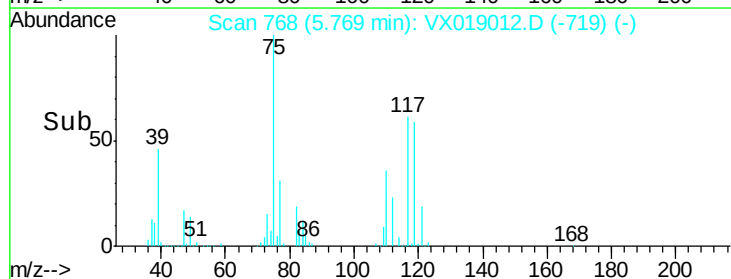
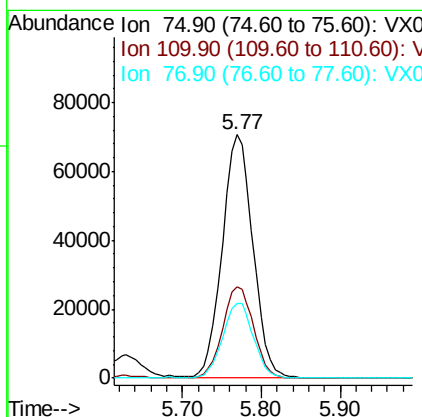
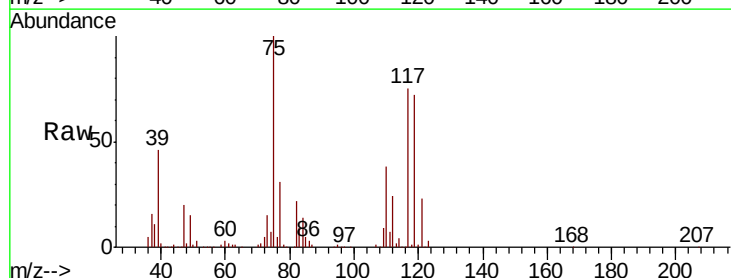
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102120

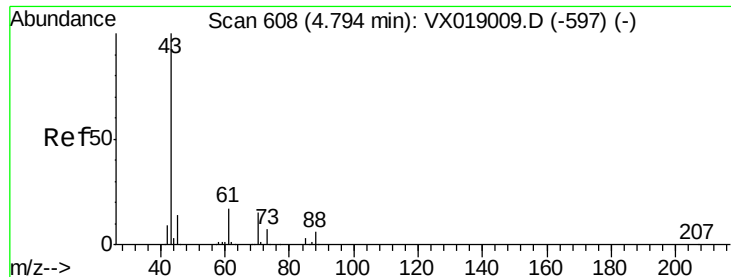
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.2 | 81.5  | 122.3 |
| 192     | 20.8  | 16.3  | 24.5  |



#36  
1,1-Dichloropropene  
Concen: 48.802 ug/l  
RT: 5.77 min Scan# 768  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 37.9  | 19.4  | 58.2  |
| 77      | 30.9  | 25.2  | 37.8  |

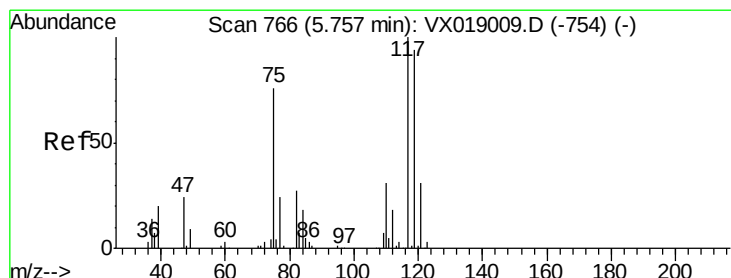
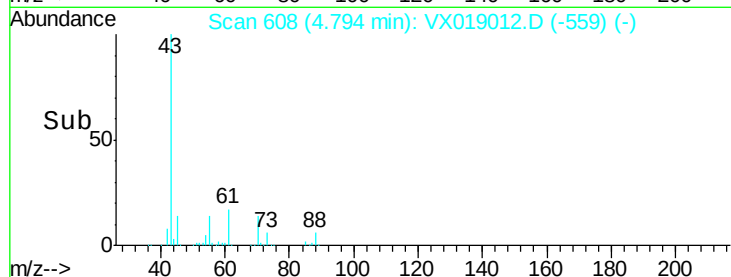
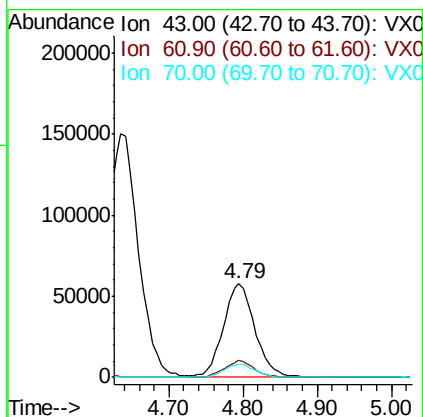
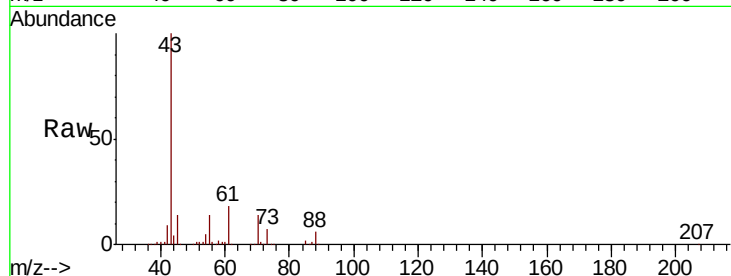




#37  
Ethyl Acetate  
Concen: 50.616 ug/l  
RT: 4.79 min Scan# 608  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

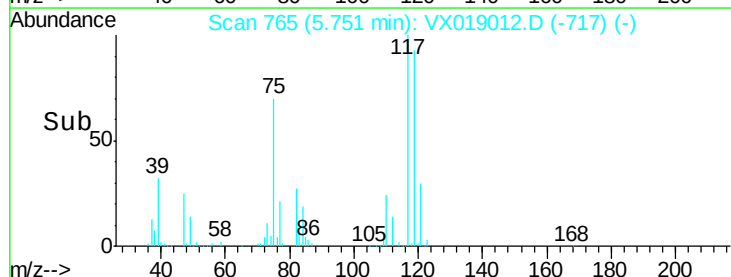
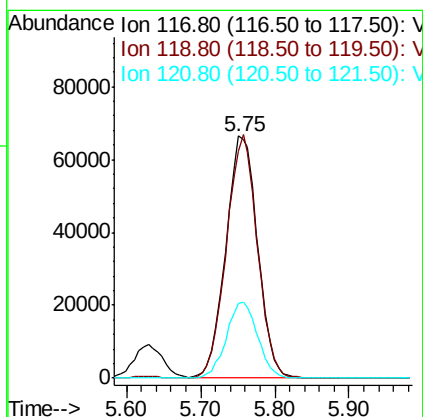
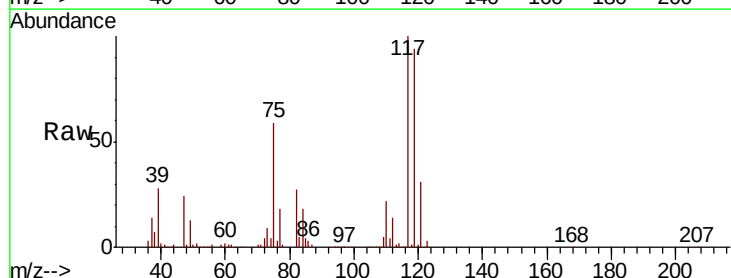
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102120

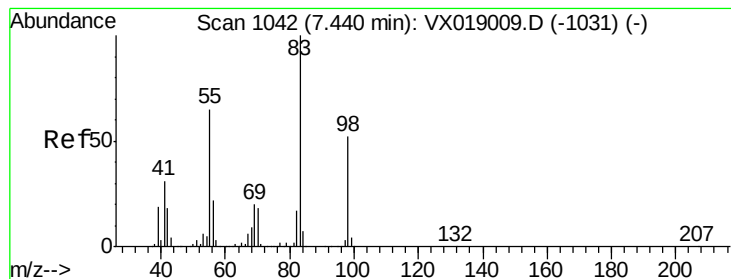
Tot Ion: 43 Resp: 168968  
Ion Ratio Lower Upper  
43 100  
61 17.0 13.8 20.8  
70 14.2 11.4 17.2



#38  
Carbon Tetrachloride  
Concen: 48.401 ug/l  
RT: 5.75 min Scan# 765  
Delta R.T. -0.01 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

Tgt Ion: 117 Resp: 198696  
Ion Ratio Lower Upper  
117 100  
119 93.5 75.4 113.0  
121 30.6 25.0 37.6





#39

Methylvlcyclohexane

Concen: 47.393 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX102120

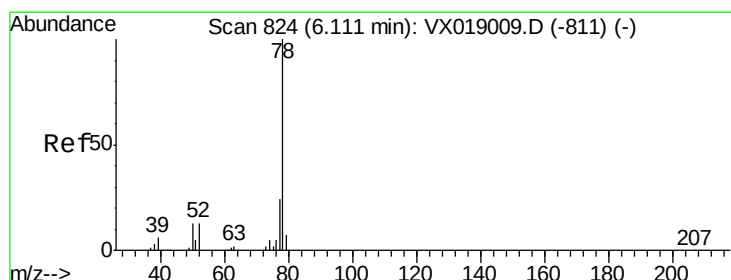
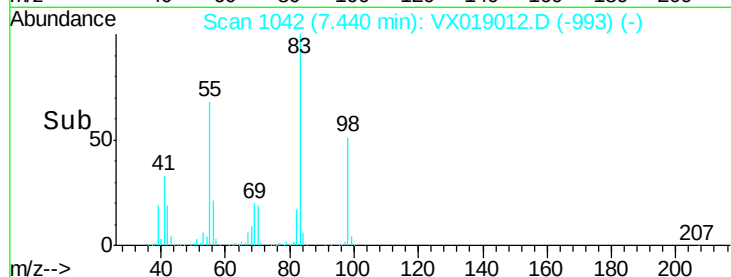
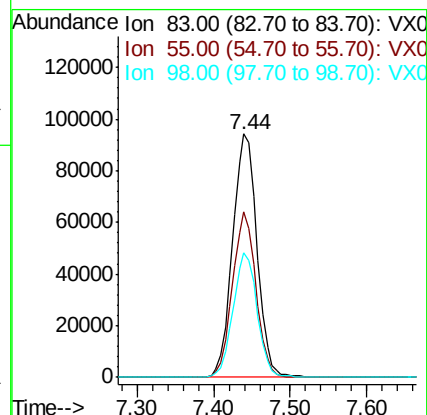
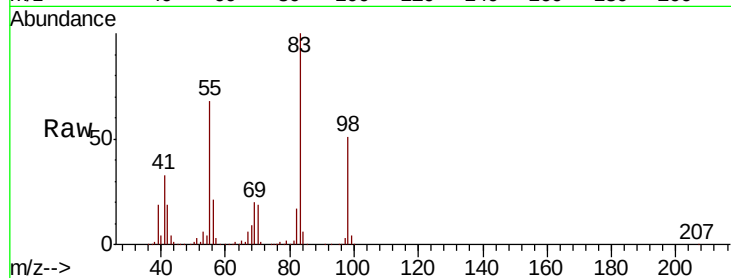
Tot Ion: 83 Resp: 207672

Ion Ratio Lower Upper

83 100

55 67.9 51.8 77.6

98 51.0 41.4 62.2



#40

Benzene

Concen: 49.844 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX019012.D

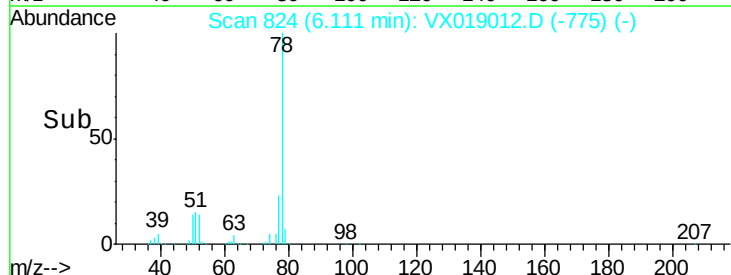
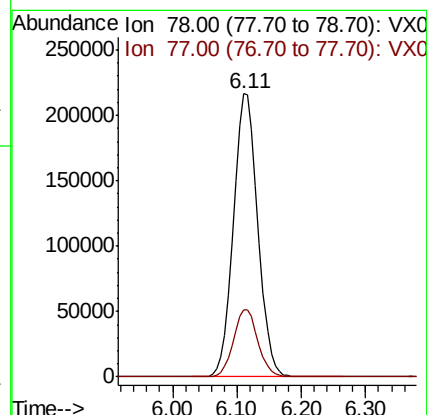
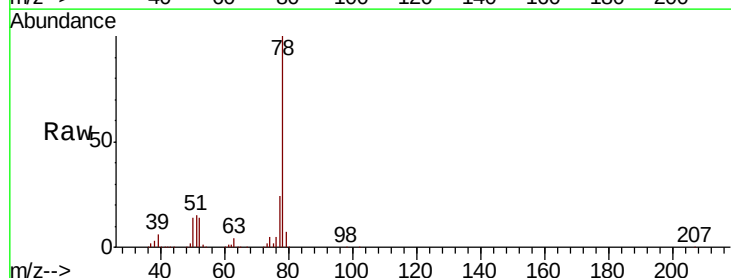
Acq: 21 Oct 2020 20:37

Tgt Ion: 78 Resp: 574153

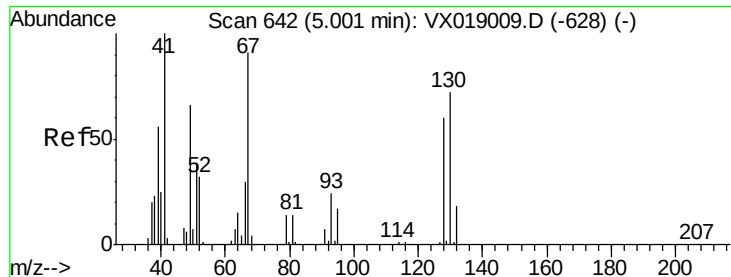
Ion Ratio Lower Upper

78 100

77 23.8 19.3 28.9



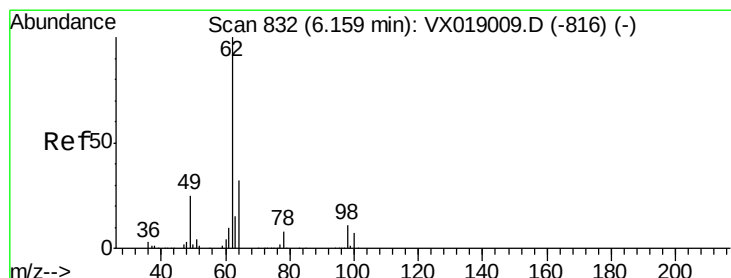
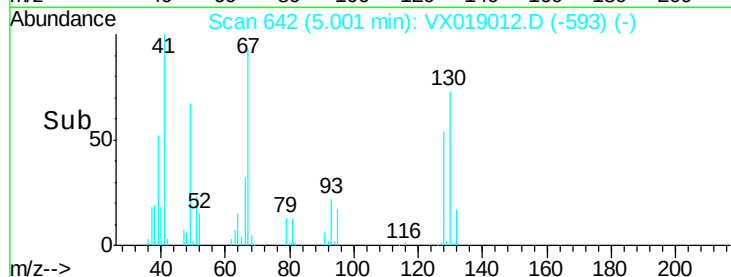
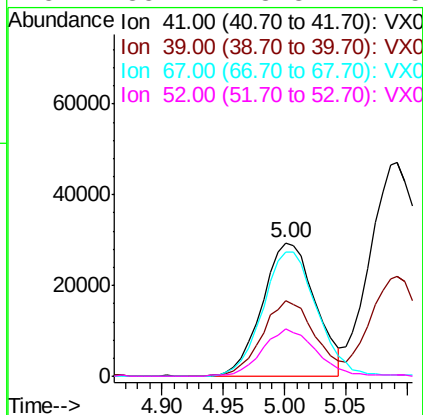
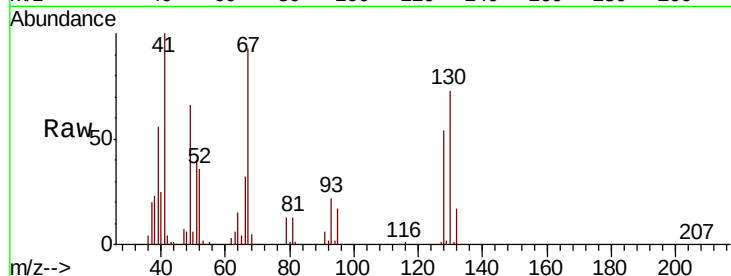




#41  
Methacrylonitrile  
Concen: 49.273 ug/l  
RT: 5.00 min Scan# 642  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

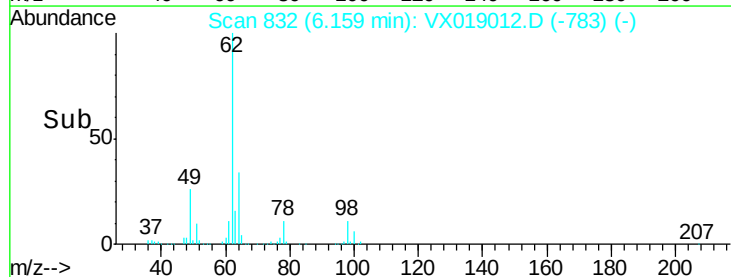
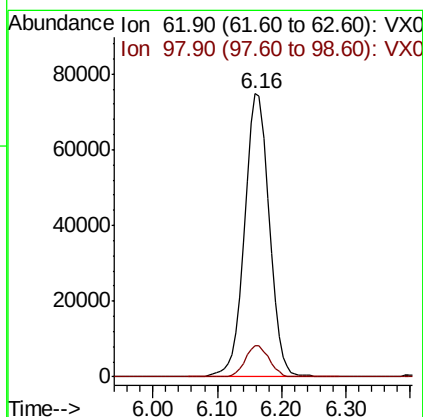
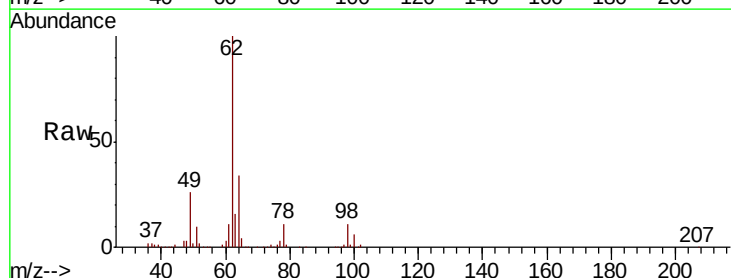
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102120

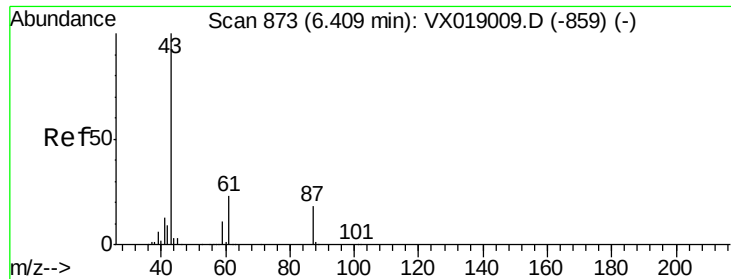
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 88356 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 57.4  | 44.6  | 67.0  |
| 67       | 96.4  | 76.1  | 114.1 |
| 52       | 35.4  | 28.3  | 42.5  |



#42  
1,2-Dichloroethane  
Concen: 50.084 ug/l  
RT: 6.16 min Scan# 832  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 196884 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.7  | 0.0   | 20.8   |





#43

Isopropyl Acetate

Concen: 50.215 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX102120

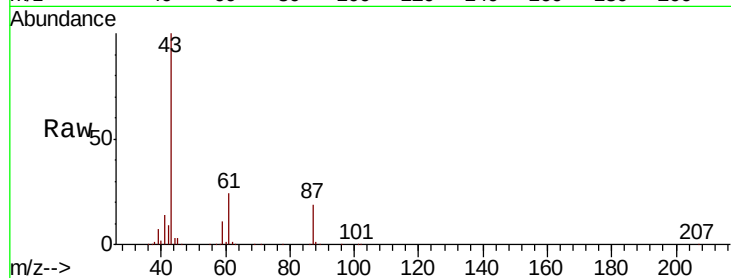
Tot Ion: 43 Resp: 283900

Ion Ratio Lower Upper

43 100

61 24.0 18.7 28.1

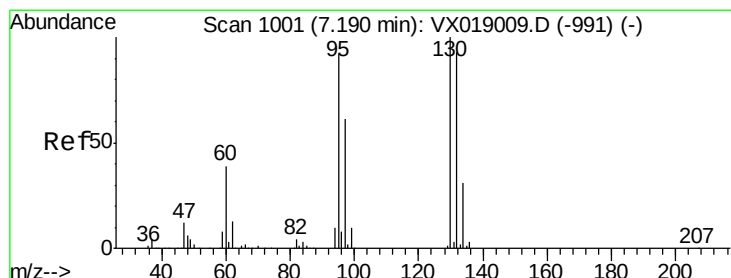
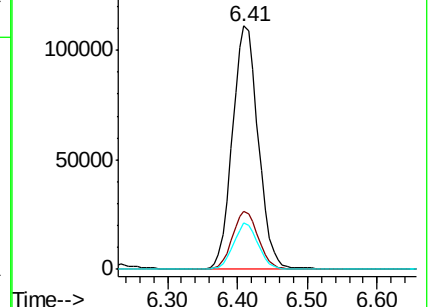
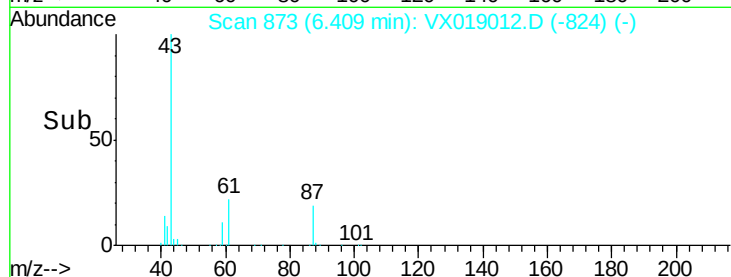
87 18.2 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VX019012.D (-824) (-)

Ion 61.00 (60.70 to 61.70): VX019012.D (-824) (-)

Ion 87.00 (86.70 to 87.70): VX019012.D (-824) (-)



#44

Trichloroethene

Concen: 48.734 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX019012.D

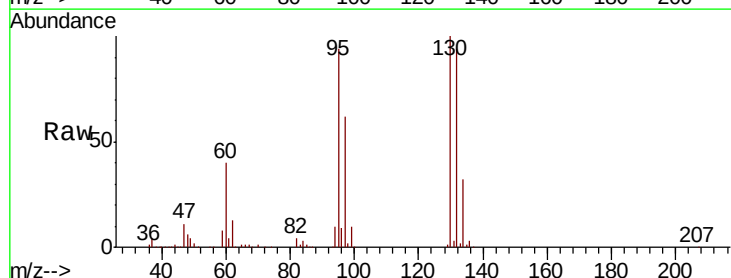
Acq: 21 Oct 2020 20:37

Tgt Ion:130 Resp: 163710

Ion Ratio Lower Upper

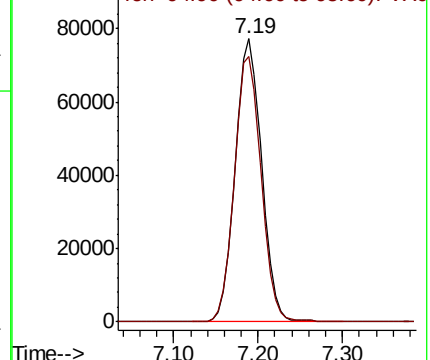
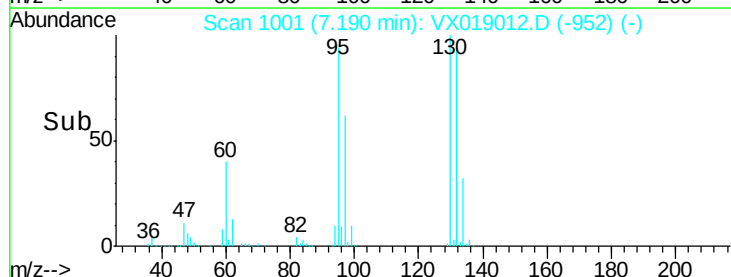
130 100

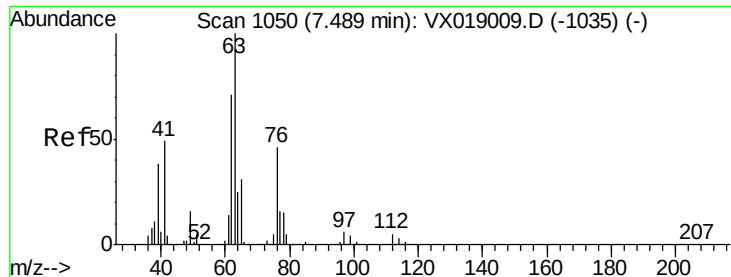
95 93.9 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): VX019012.D (-952) (-)

Ion 94.90 (94.60 to 95.60): VX019012.D (-952) (-)





#45

1,2-Dichloropropane

Concen: 50.069 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

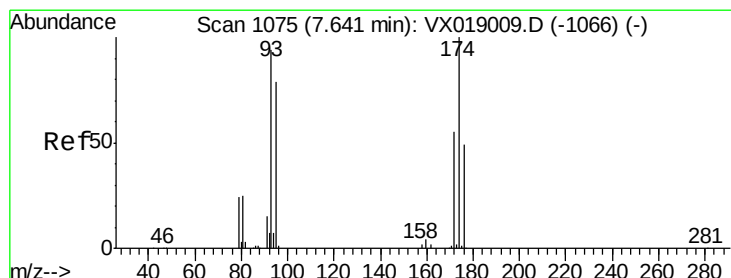
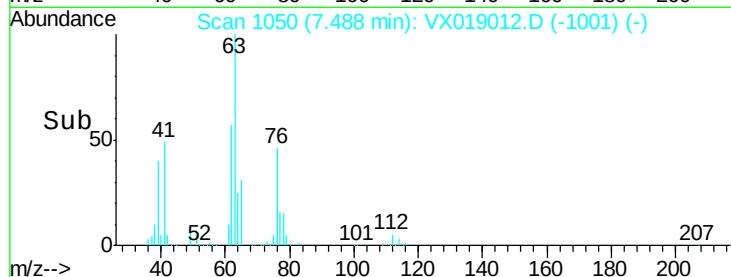
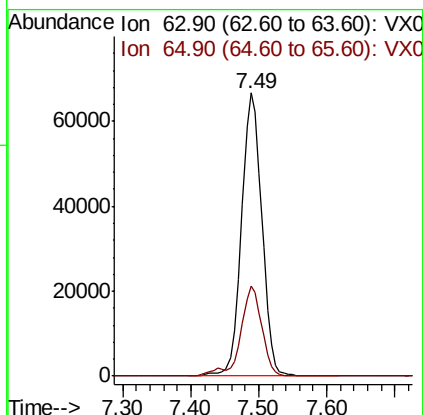
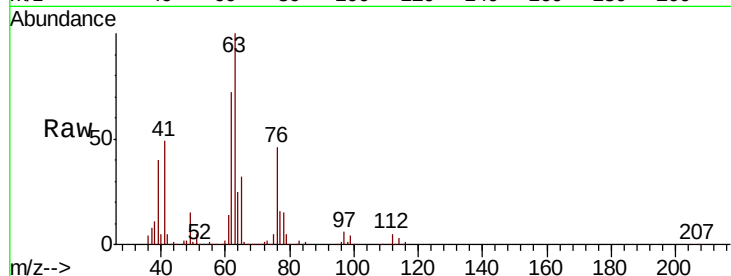
ICVVX102120

Tot Ion: 63 Resp: 138343

Ion Ratio Lower Upper

63 100

65 31.9 24.9 37.3



#46

Dibromomethane

Concen: 49.946 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

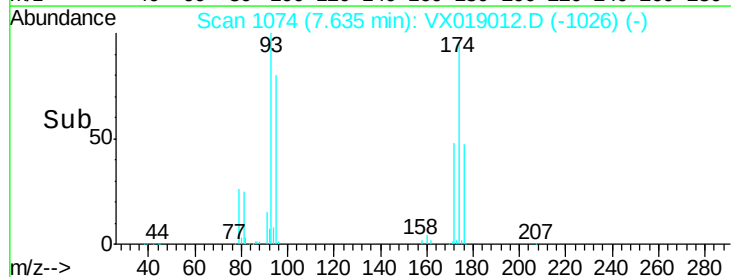
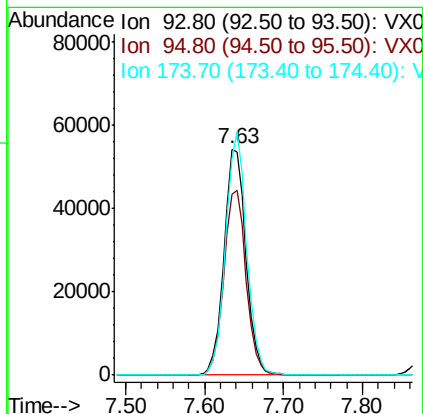
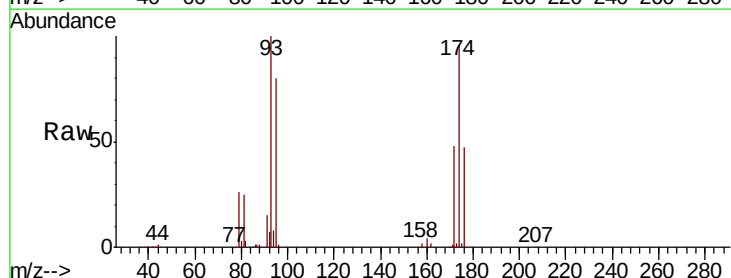
Tgt Ion: 93 Resp: 105109

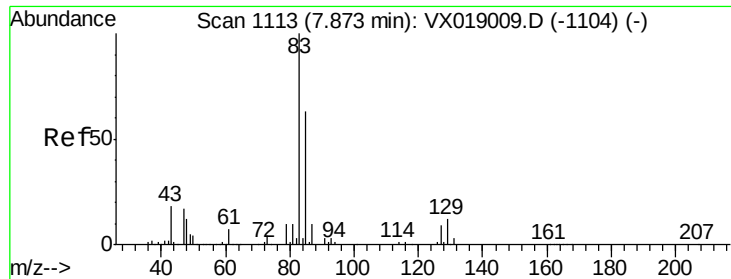
Ion Ratio Lower Upper

93 100

95 82.7 66.8 100.2

174 103.0 83.8 125.8





#47

Bromodichloromethane

Concen: 50.482 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX102120

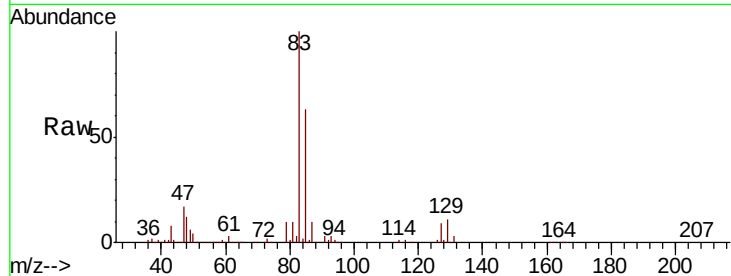
Tot Ion: 83 Resp: 208299

Ion Ratio Lower Upper

83 100

85 62.7 50.7 76.1

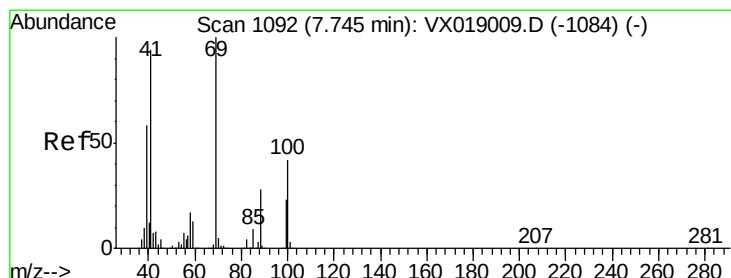
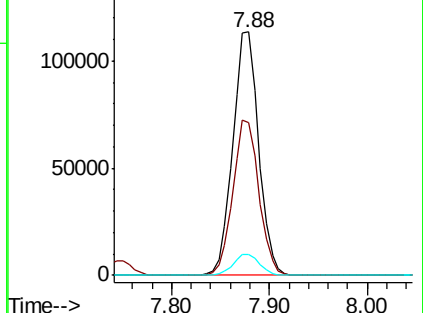
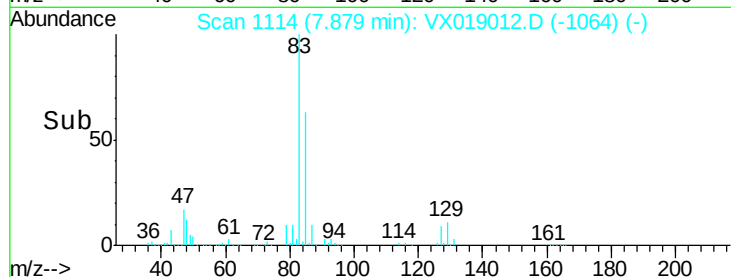
127 8.7 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 48.899 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

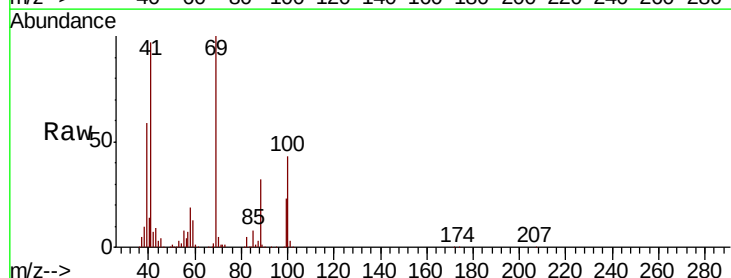
Tgt Ion: 41 Resp: 136219

Ion Ratio Lower Upper

41 100

69 106.6 85.5 128.3

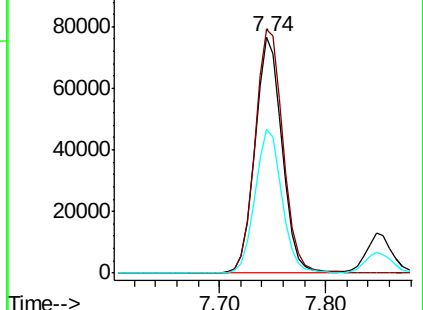
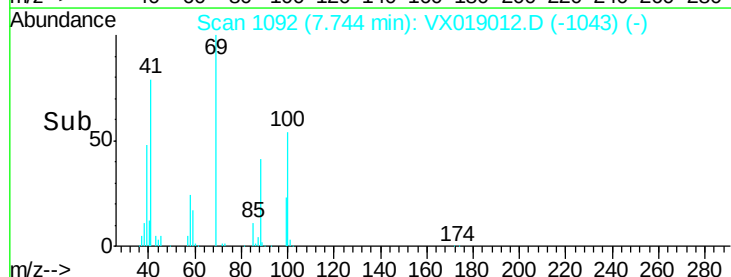
39 60.5 49.3 73.9

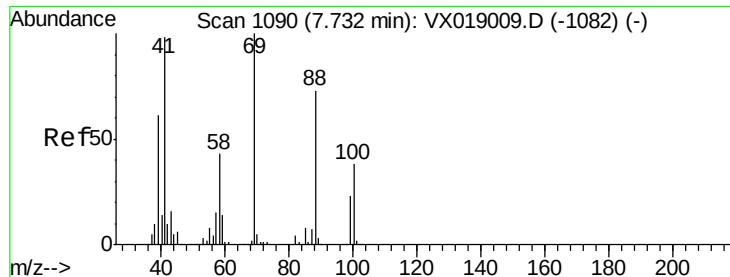


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1004.977 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX102120

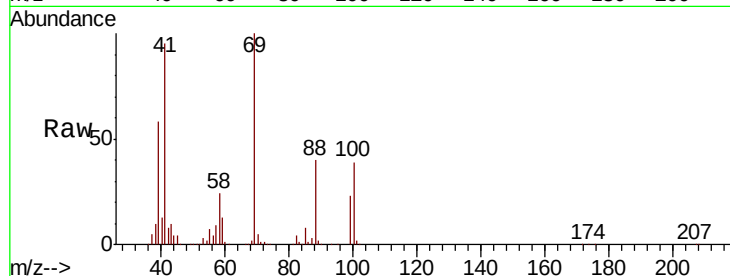
Tot Ion: 88 Resp: 63255

Ion Ratio Lower Upper

88 100

43 25.0 20.3 30.5

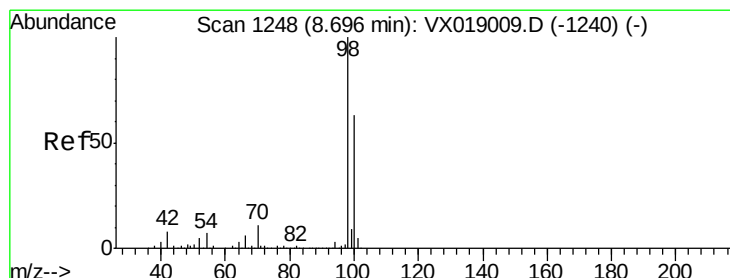
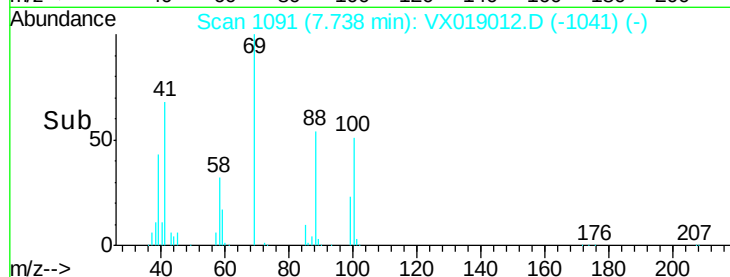
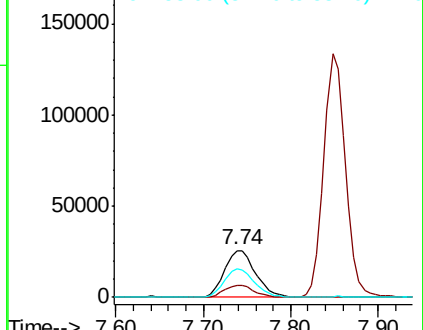
58 60.2 48.4 72.6



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.336 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019012.D

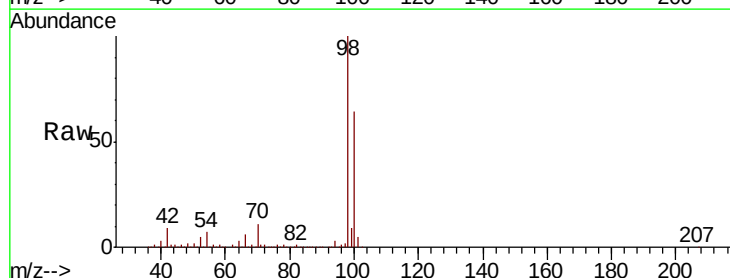
Acq: 21 Oct 2020 20:37

Tgt Ion: 98 Resp: 509038

Ion Ratio Lower Upper

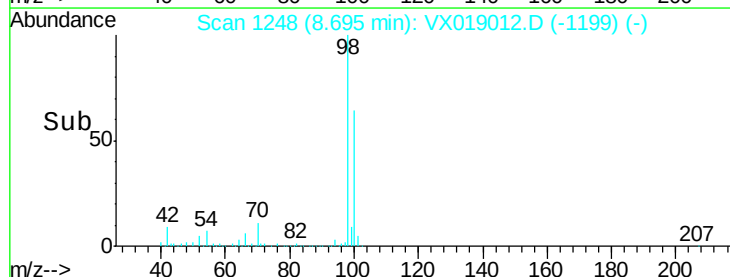
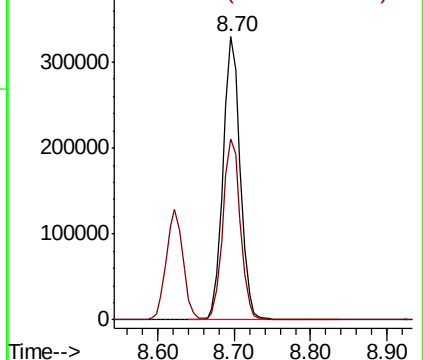
98 100

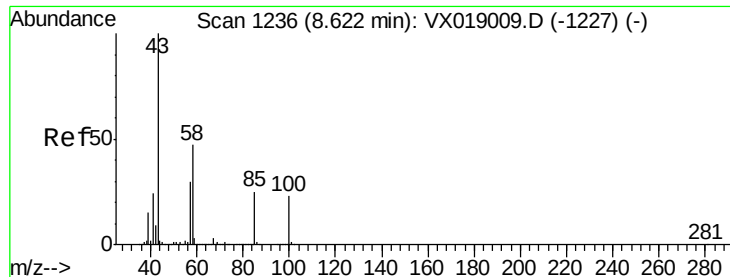
100 65.5 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

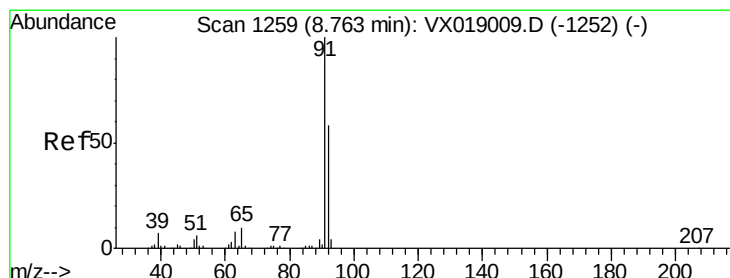
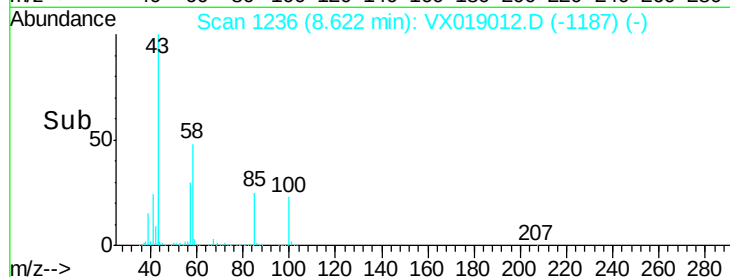
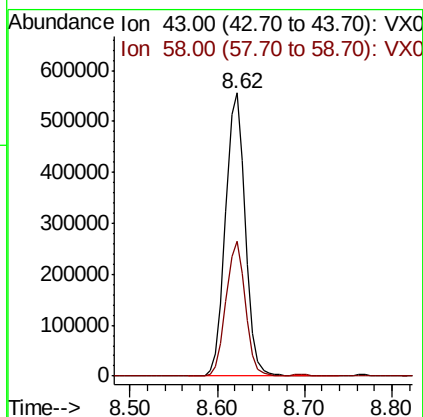
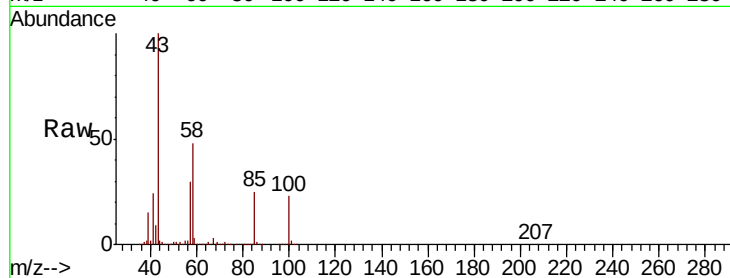




#51  
4-Methyl-2-Pentanone  
Concen: 261.220 ug/l  
RT: 8.62 min Scan# 1236  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

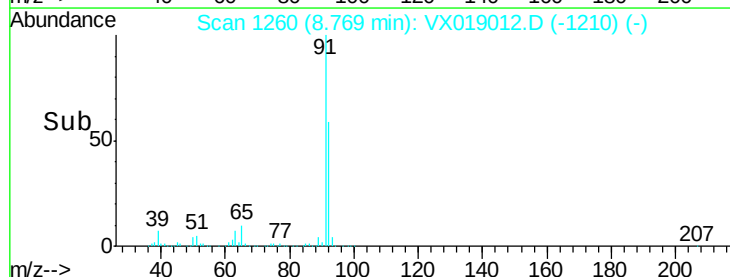
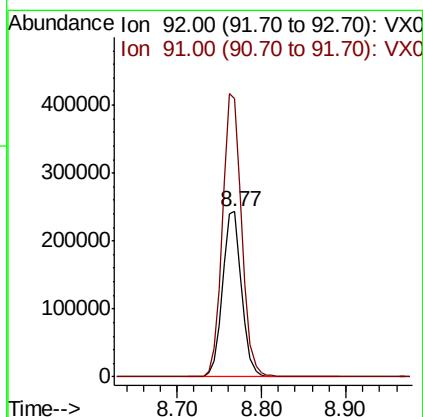
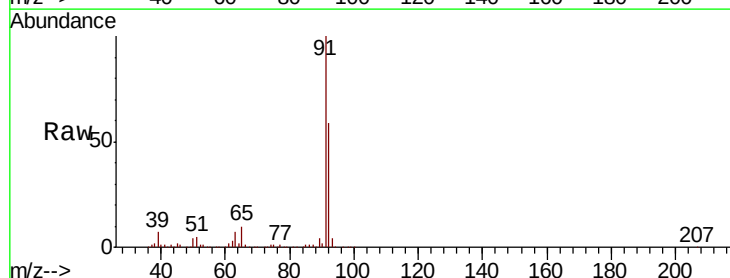
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102120

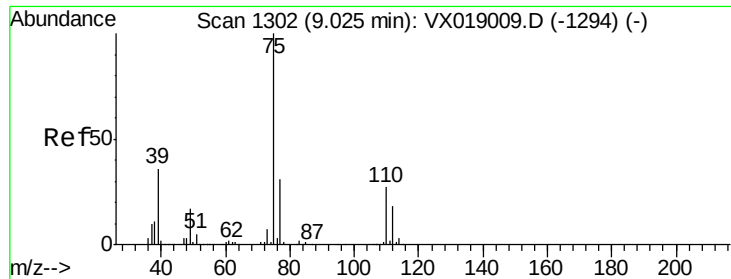
Tot Ion: 43 Resp: 870246  
Ion Ratio Lower Upper  
43 100  
58 46.6 37.4 56.0



#52  
Toluene  
Concen: 50.003 ug/l  
RT: 8.77 min Scan# 1260  
Delta R.T. 0.01 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

Tgt Ion: 92 Resp: 380428  
Ion Ratio Lower Upper  
92 100  
91 172.6 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 50.832 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

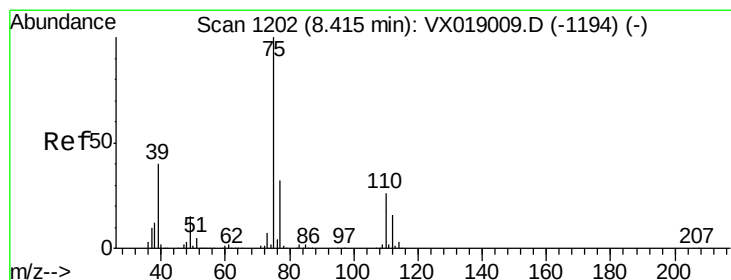
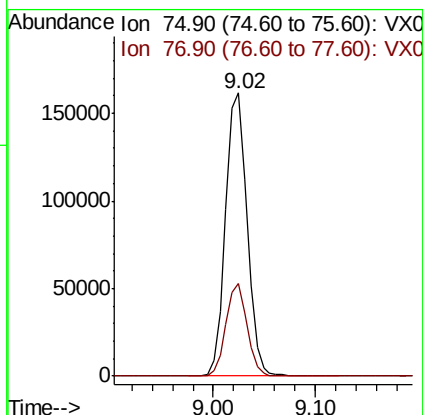
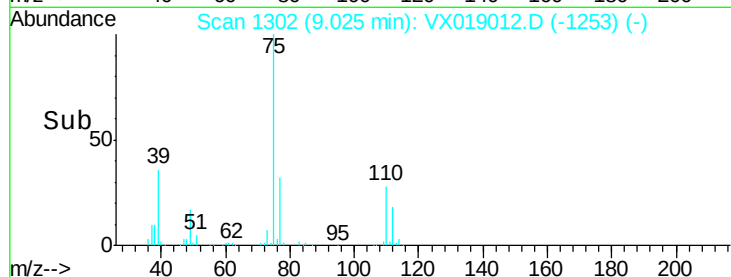
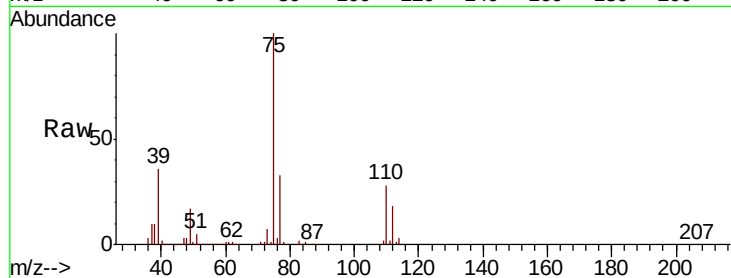
ICVVX102120

Tot Ion: 75 Resp: 236855

Ion Ratio Lower Upper

75 100

77 32.5 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 50.548 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

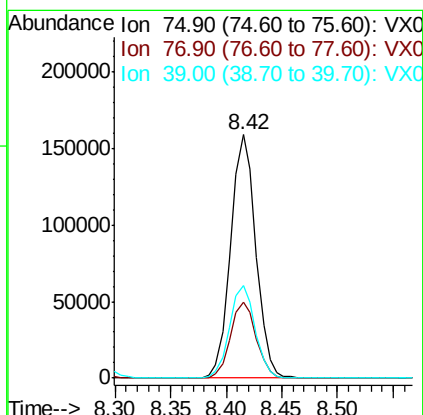
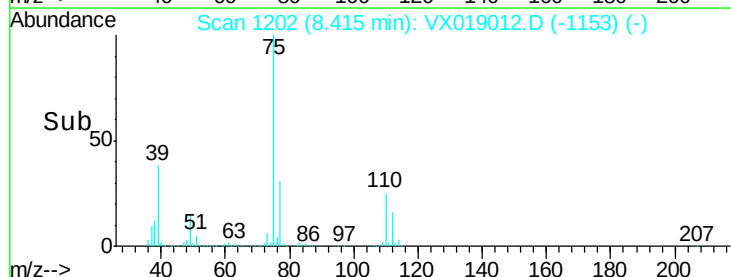
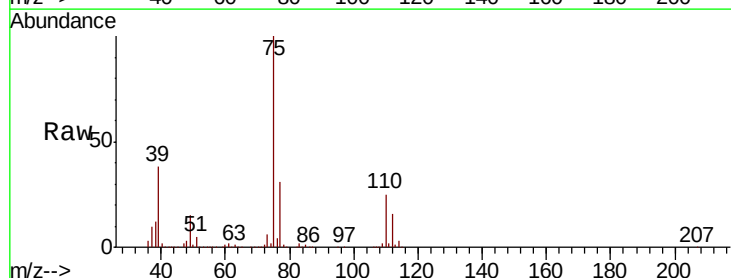
Tgt Ion: 75 Resp: 248720

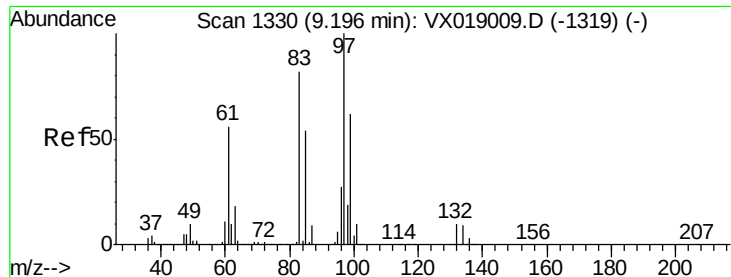
Ion Ratio Lower Upper

75 100

77 31.4 25.9 38.9

39 38.1 31.7 47.5

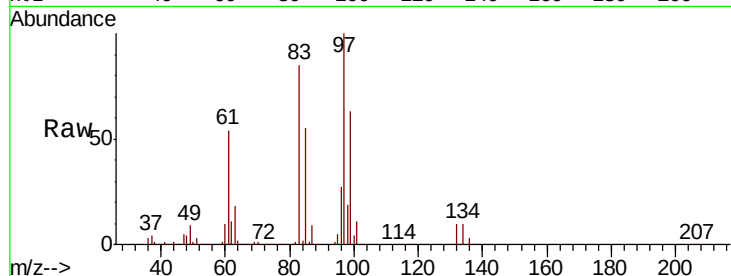




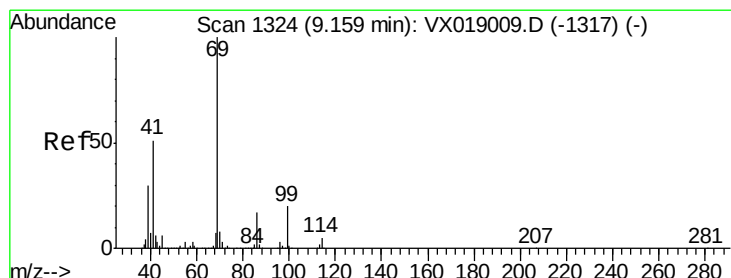
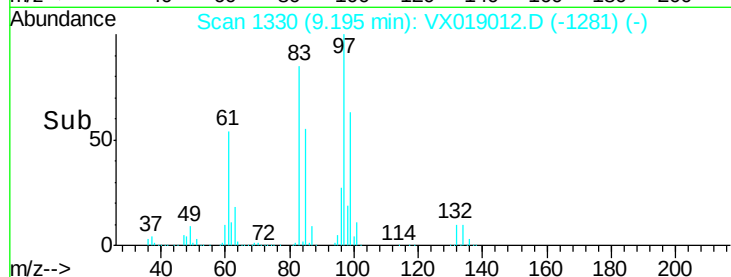
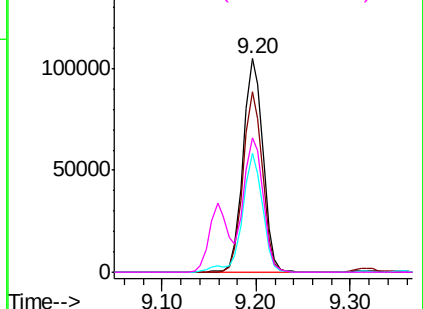
#55  
 1,1,2-Trichloroethane  
 Concen: 49.909 ug/l  
 RT: 9.20 min Scan# 1330  
 Delta R.T. -0.00 min  
 Lab File: VX019012.D  
 Acq: 21 Oct 2020 20:37

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX102120

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 154794 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.7  | 65.4  | 98.2   |
| 85       | 55.5  | 43.3  | 64.9   |
| 99       | 62.8  | 50.0  | 75.0   |

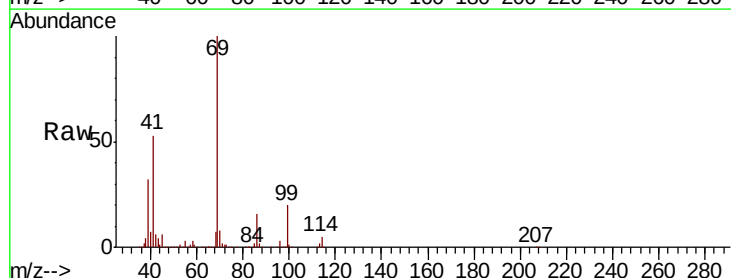


Abundance Ion 96.90 (96.60 to 97.60): VX0  
 Ion 82.90 (82.60 to 83.60): VX0  
 Ion 84.90 (84.60 to 85.60): VX0  
 Ion 98.90 (98.60 to 99.60): VX0

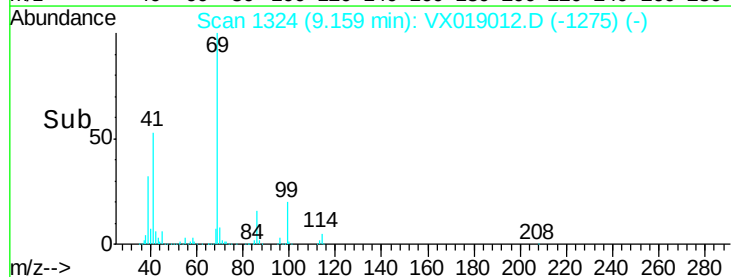
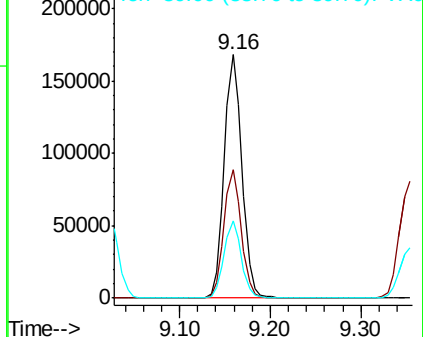


#56  
 Ethyl methacrylate  
 Concen: 51.415 ug/l  
 RT: 9.16 min Scan# 1324  
 Delta R.T. -0.00 min  
 Lab File: VX019012.D  
 Acq: 21 Oct 2020 20:37

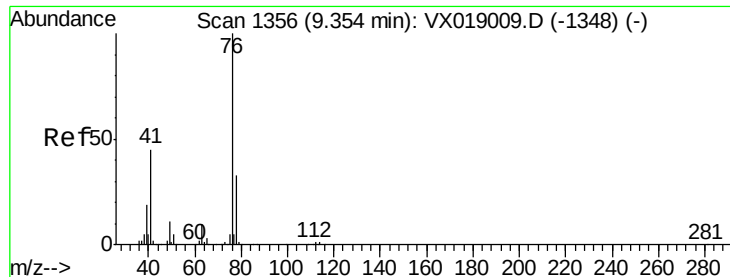
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 229419 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 51.7  | 41.1  | 61.7   |
| 39       | 31.3  | 24.6  | 37.0   |



Abundance Ion 69.00 (68.70 to 69.70): VX0  
 Ion 41.00 (40.70 to 41.70): VX0  
 Ion 39.00 (38.70 to 39.70): VX0







#57

1,3-Dichloropropane

Concen: 51.060 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

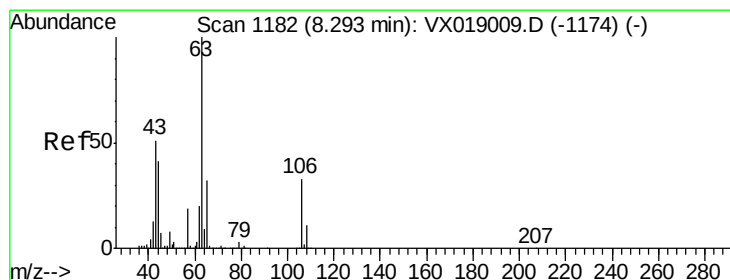
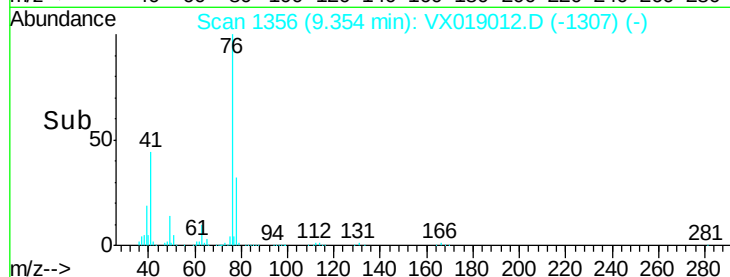
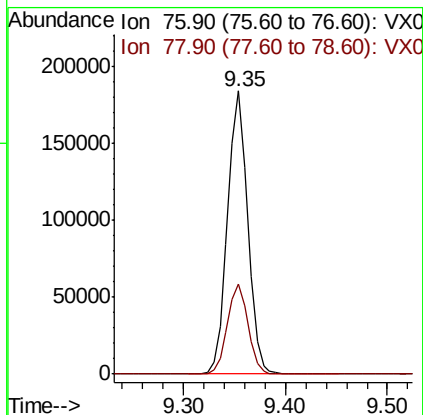
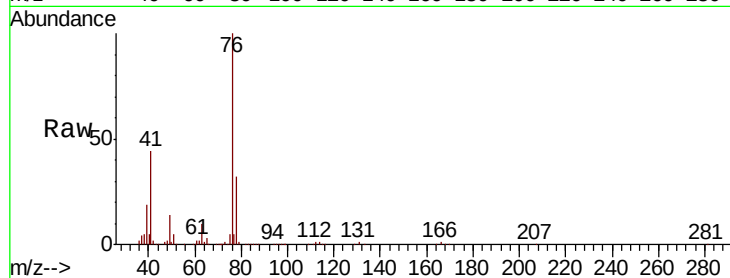
ICVVX102120

Tot Ion: 76 Resp: 251362

Ion Ratio Lower Upper

76 100

78 32.4 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 252.730 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX019012.D

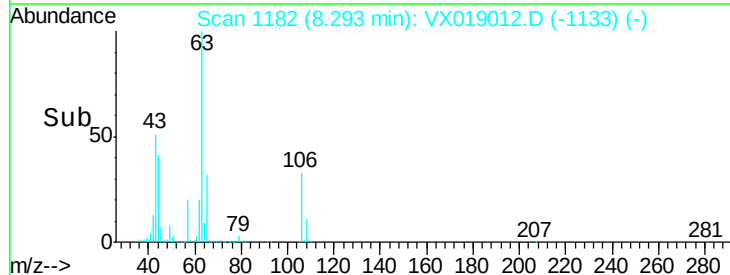
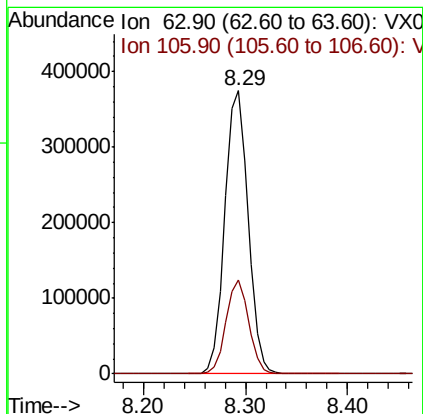
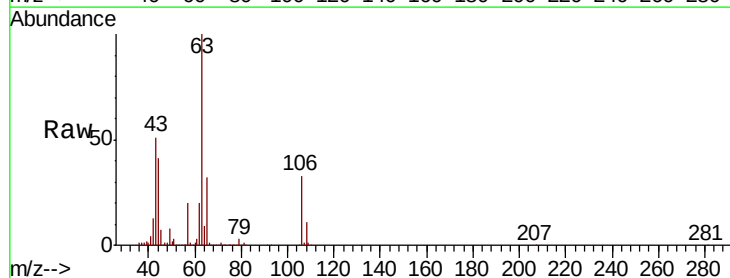
Acq: 21 Oct 2020 20:37

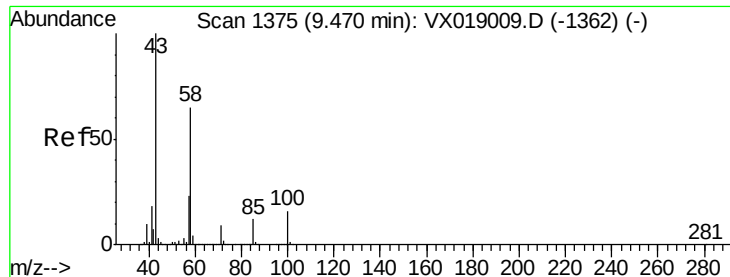
Tgt Ion: 63 Resp: 592402

Ion Ratio Lower Upper

63 100

106 32.4 26.0 39.0

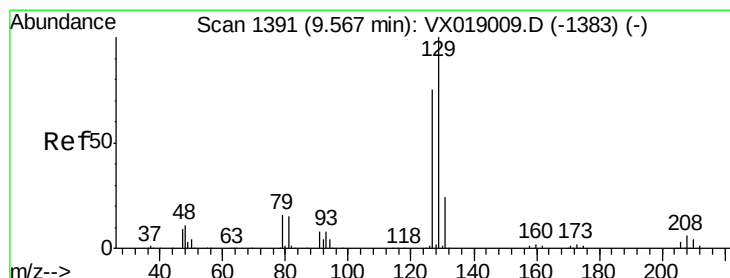
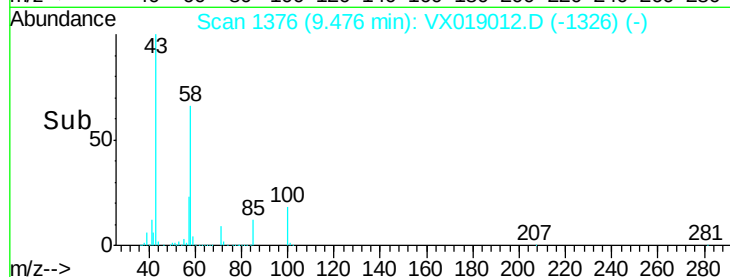
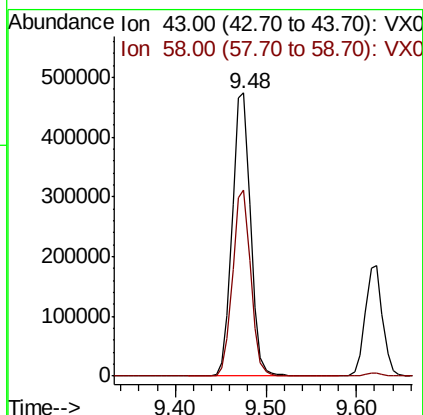
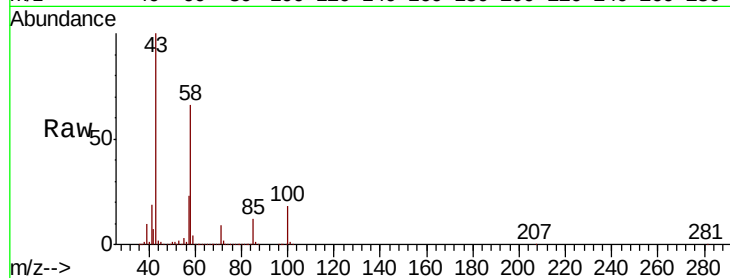




#59  
2-Hexanone  
Concen: 266.790 ug/l  
RT: 9.48 min Scan# 1376  
Delta R.T. 0.01 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

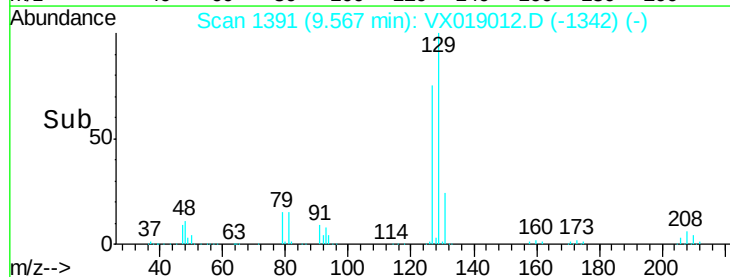
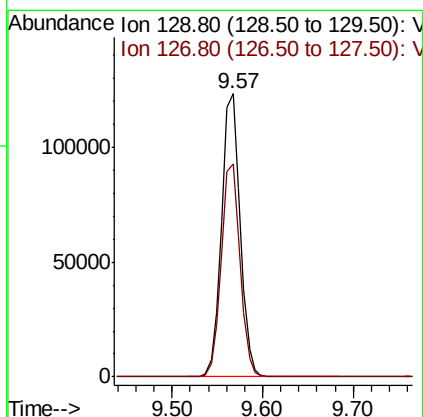
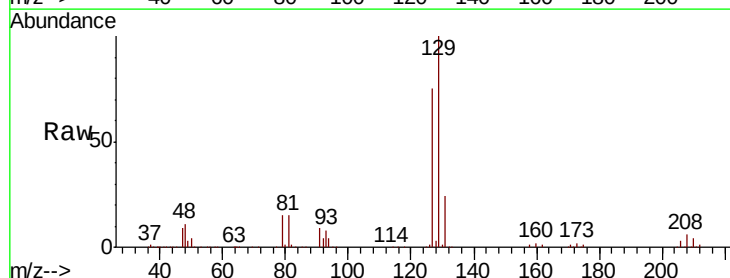
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102120

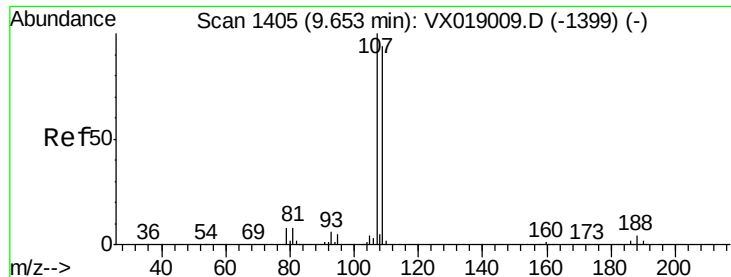
Tot Ion: 43 Resp: 662351  
Ion Ratio Lower Upper  
43 100  
58 65.2 32.8 98.4



#60  
Dibromochloromethane  
Concen: 52.234 ug/l  
RT: 9.57 min Scan# 1391  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

Tgt Ion: 129 Resp: 176574  
Ion Ratio Lower Upper  
129 100  
127 76.2 38.6 115.7





#61

1,2-Dibromoethane

Concen: 50.274 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

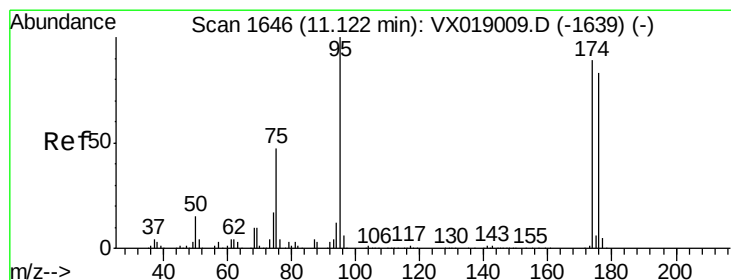
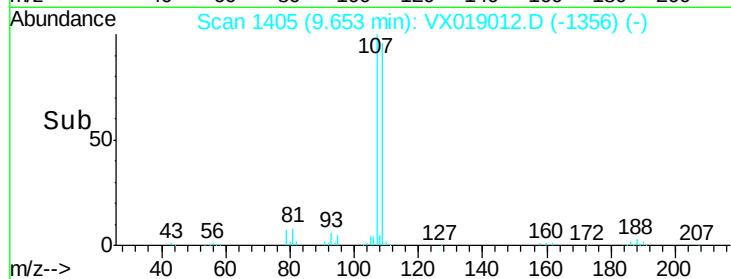
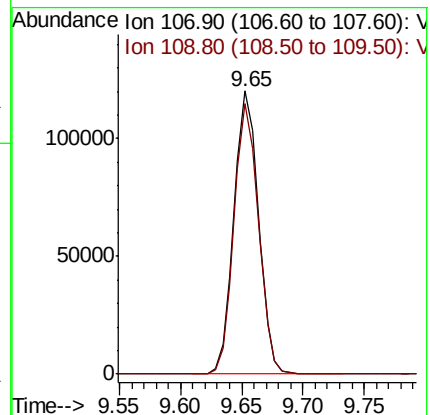
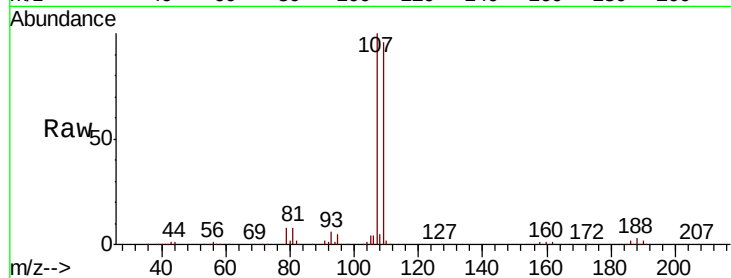
ICVVX102120

Tot Ion:107 Resp: 166830

Ion Ratio Lower Upper

107 100

109 95.0 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 49.974 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

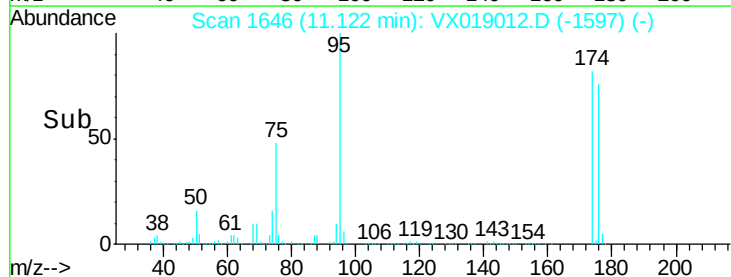
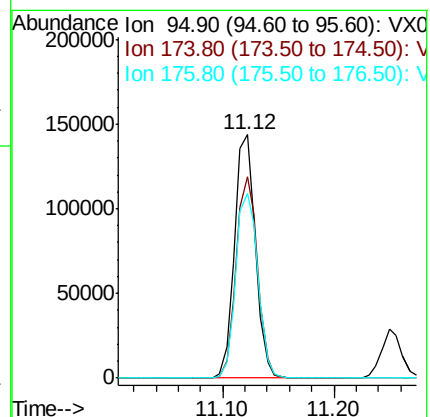
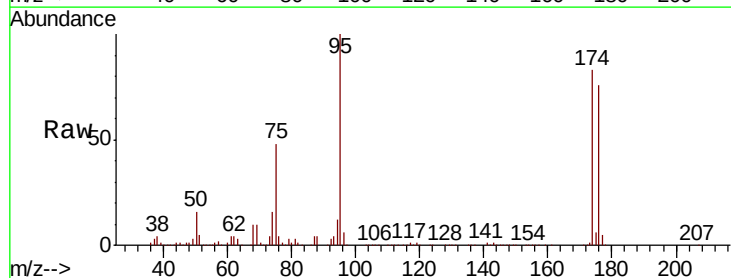
Tgt Ion: 95 Resp: 187202

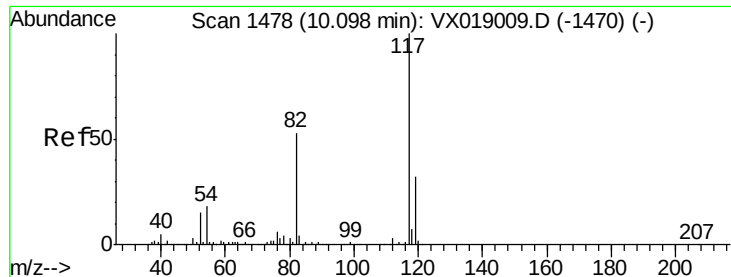
Ion Ratio Lower Upper

95 100

174 84.5 0.0 167.6

176 80.1 0.0 165.2

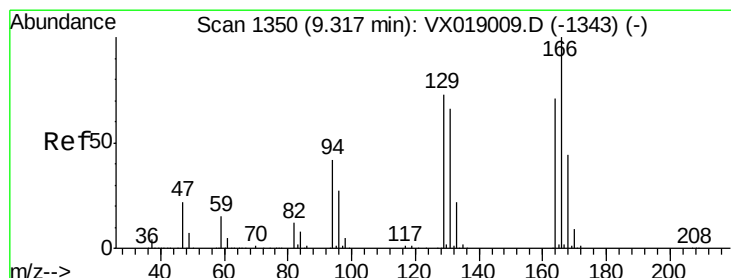
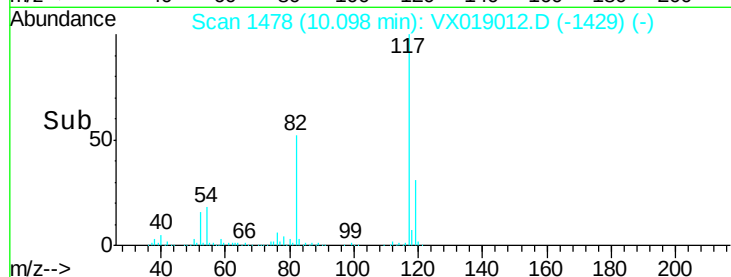
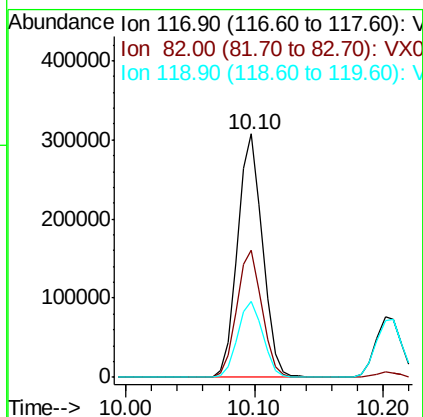
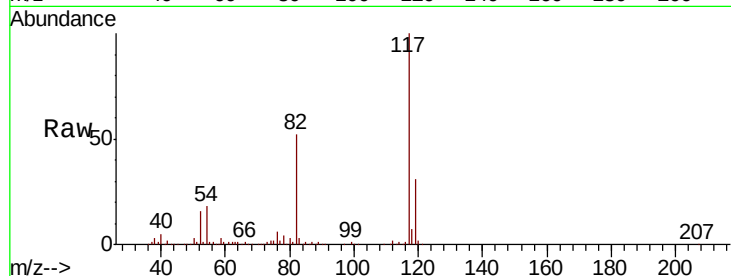




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

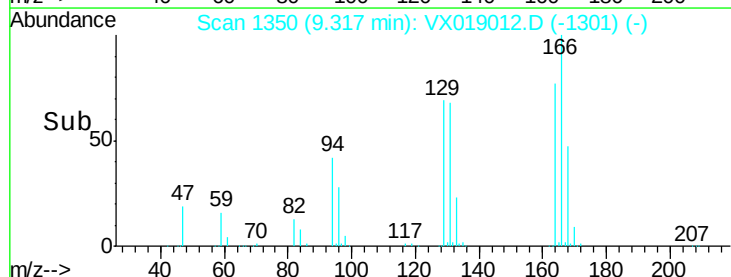
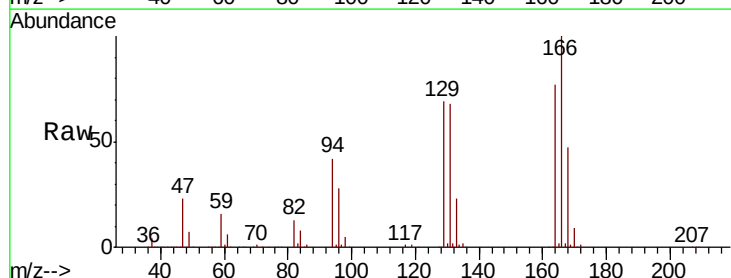
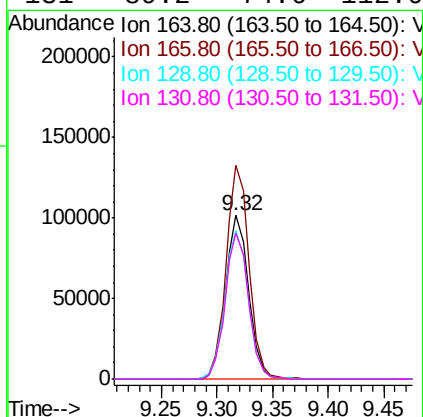
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102120

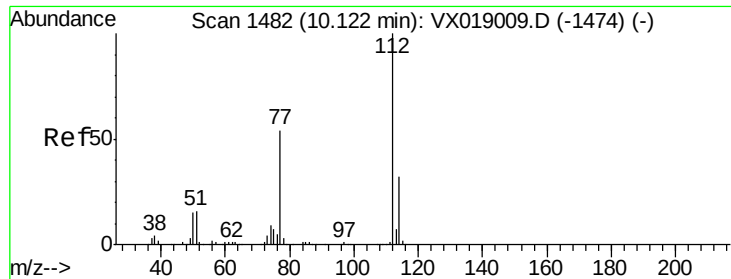
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.0  | 42.4  | 63.6  |
| 119     | 31.1  | 25.6  | 38.4  |



#64  
Tetrachloroethene  
Concen: 46.128 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 130.6 | 112.2 | 168.4 |
| 129     | 90.5  | 81.8  | 122.8 |
| 131     | 89.2  | 74.6  | 112.0 |

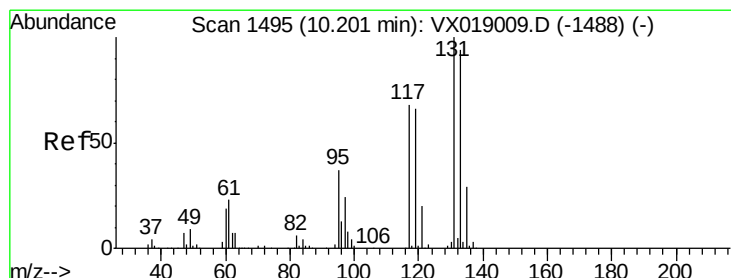
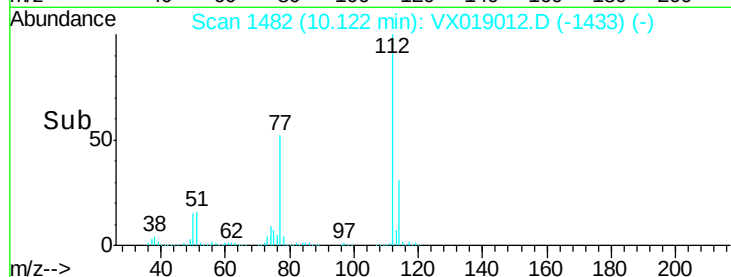
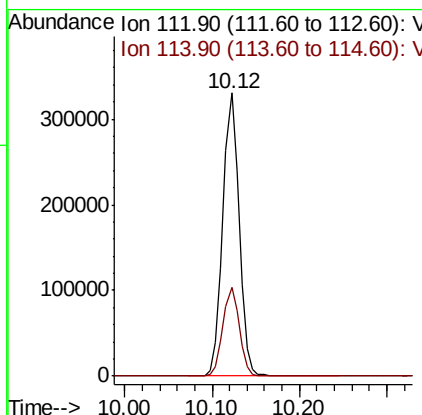
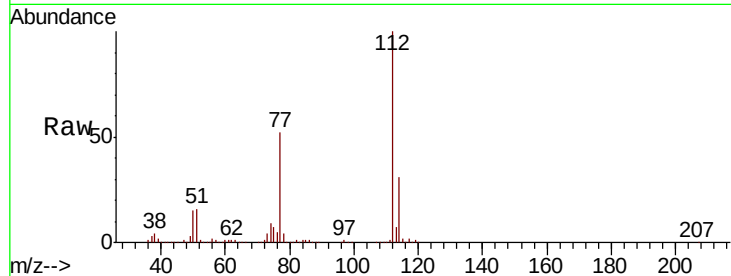




#65  
Chlorobenzene  
Concen: 48.981 ug/l  
RT: 10.12 min Scan# 1482  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

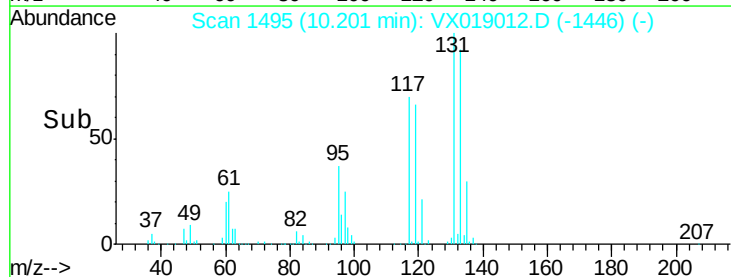
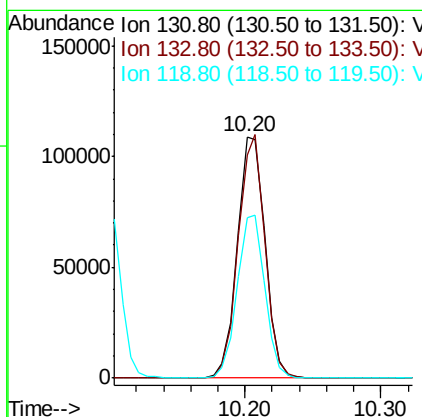
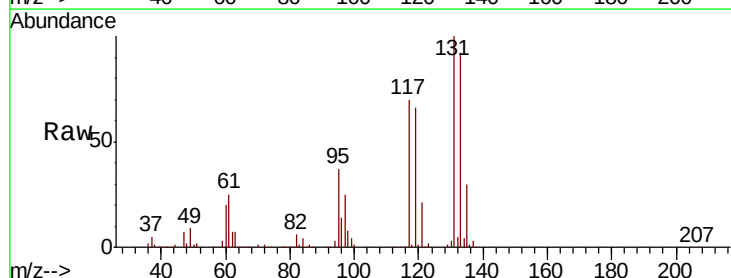
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102120

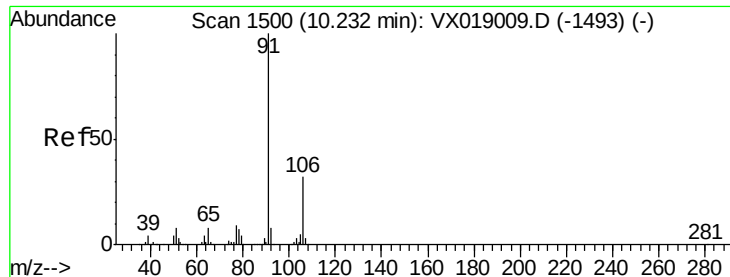
Tot Ion:112 Resp: 425286  
Ion Ratio Lower Upper  
112 100  
114 31.2 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.043 ug/l  
RT: 10.20 min Scan# 1495  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

Tgt Ion:131 Resp: 154479  
Ion Ratio Lower Upper  
131 100  
133 96.9 47.0 141.2  
119 67.3 32.9 98.7

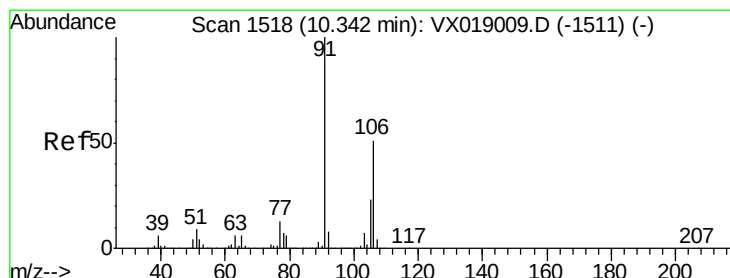
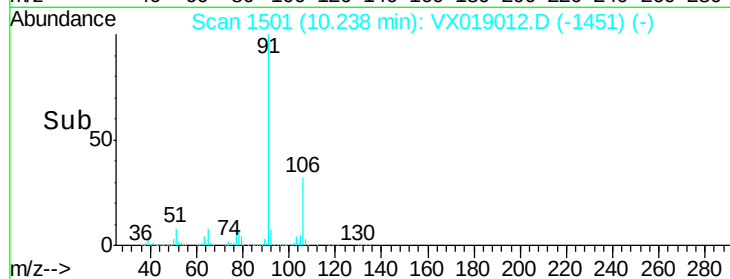
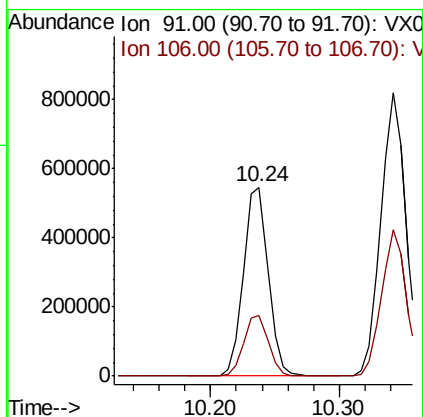
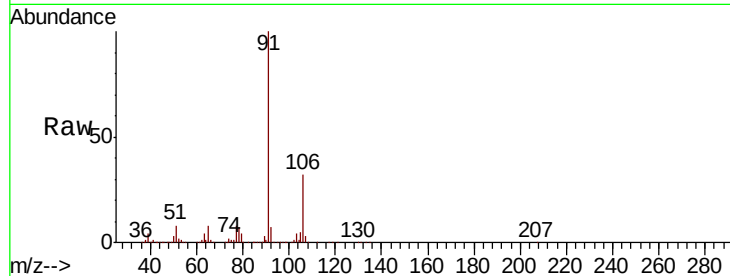




#67  
Ethyl Benzene  
Concen: 48.191 ug/l  
RT: 10.24 min Scan# 1501  
Delta R.T. 0.01 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

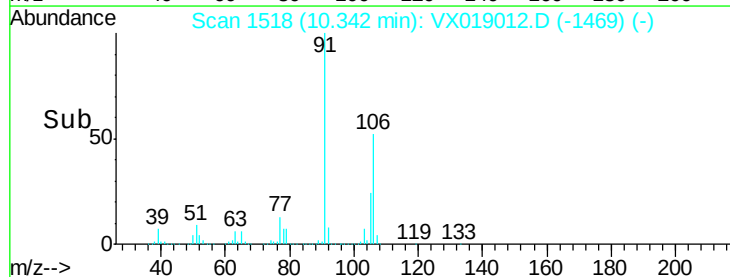
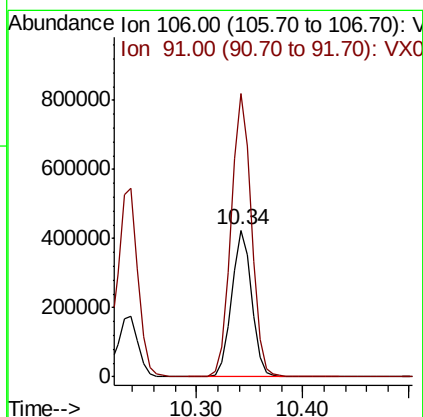
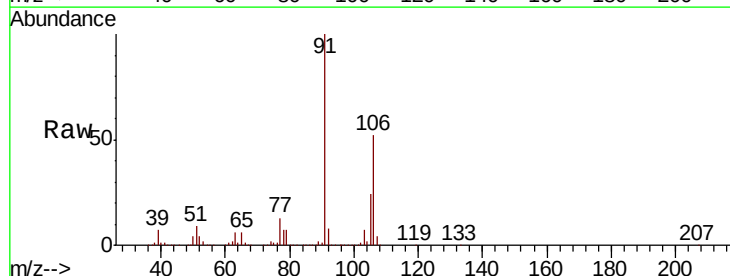
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102120

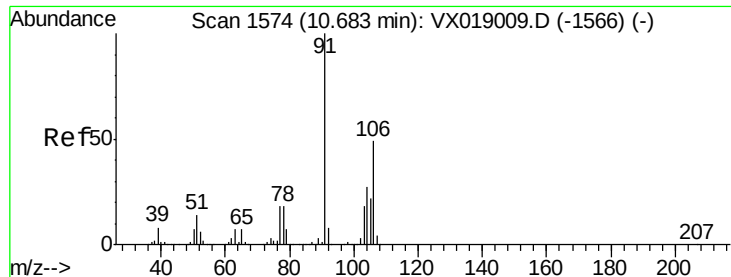
Tot Ion: 91 Resp: 721257  
Ion Ratio Lower Upper  
91 100  
106 32.2 25.3 37.9



#68  
m/p-Xylenes  
Concen: 98.096 ug/l  
RT: 10.34 min Scan# 1518  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

Tgt Ion: 106 Resp: 562406  
Ion Ratio Lower Upper  
106 100  
91 195.7 156.9 235.3

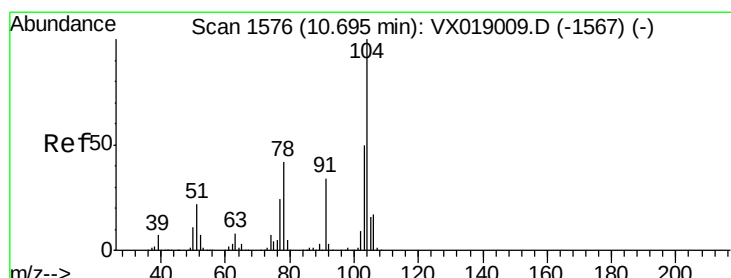
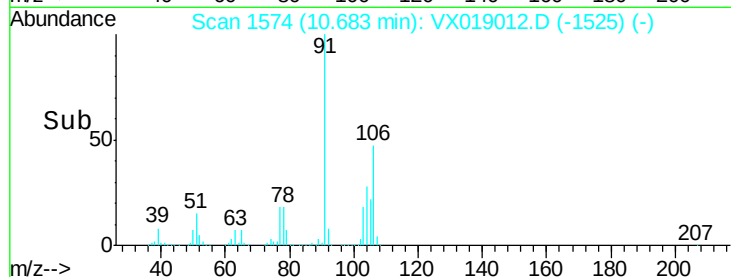
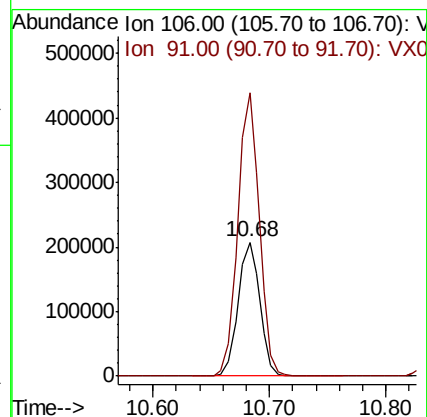
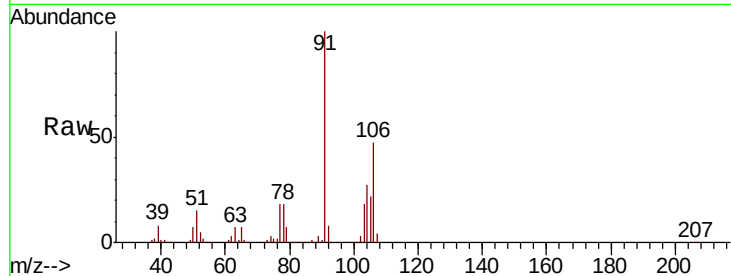




#69  
o-Xylene  
Concen: 49.444 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

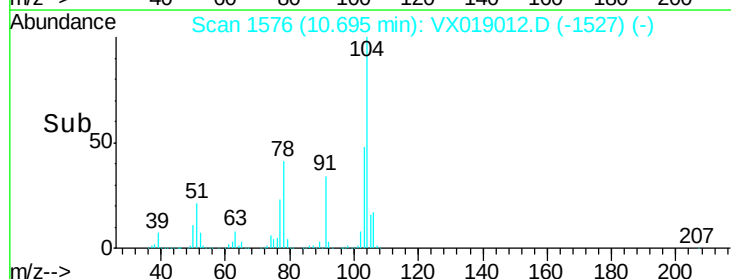
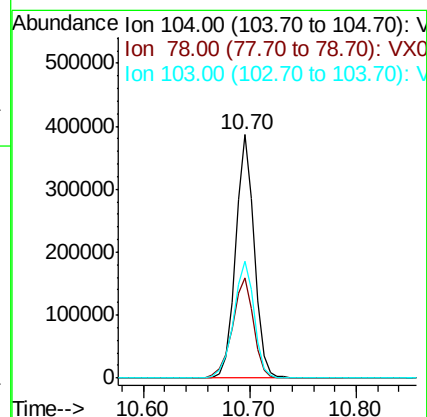
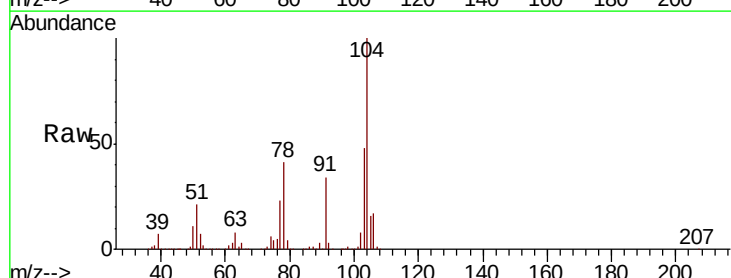
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102120

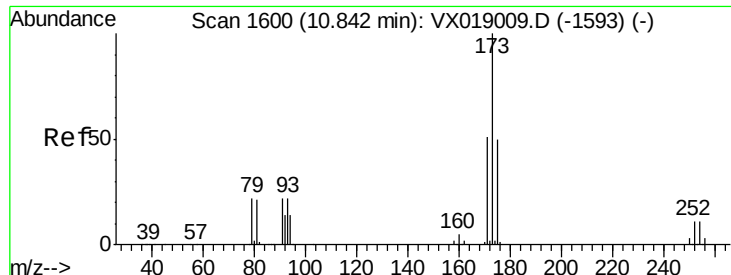
Tot Ion:106 Resp: 271303  
Ion Ratio Lower Upper  
106 100  
91 208.1 104.0 312.0



#70  
Styrene  
Concen: 50.808 ug/l  
RT: 10.70 min Scan# 1576  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

Tgt Ion:104 Resp: 473320  
Ion Ratio Lower Upper  
104 100  
78 46.4 37.7 56.5  
103 53.6 43.5 65.3





#71

Bromoform

Concen: 51.822 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX102120

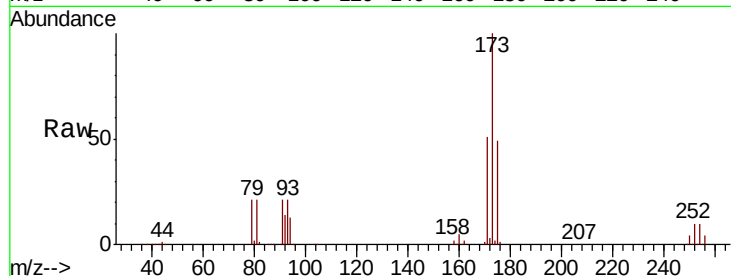
Tot Ion:173 Resp: 129140

Ion Ratio Lower Upper

173 100

175 49.2 24.1 72.4

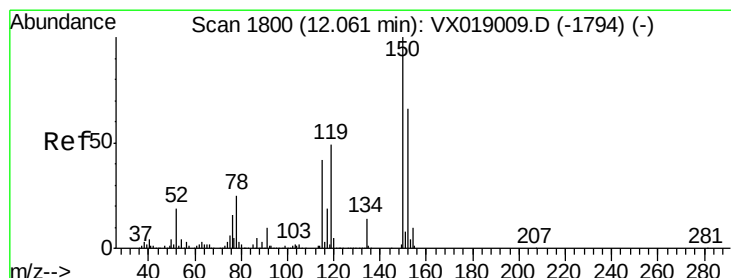
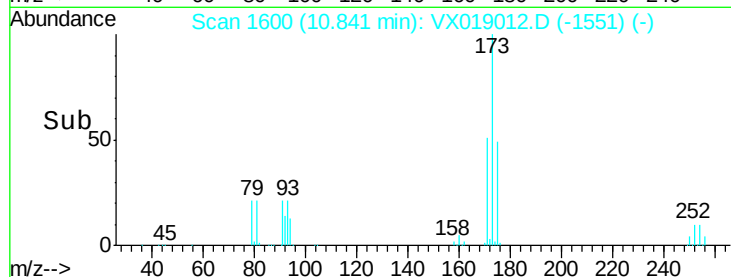
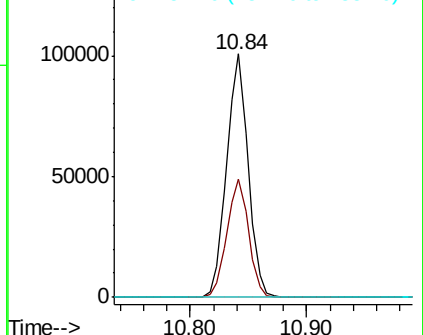
254 0.1 0.1 0.1#



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: VX019012.D

Acq: 21 Oct 2020 20:37

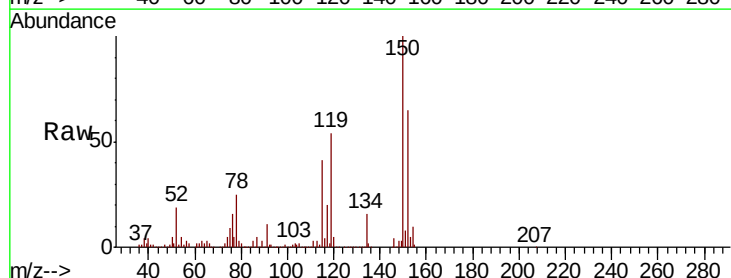
Tgt Ion:152 Resp: 209611

Ion Ratio Lower Upper

152 100

115 79.8 40.8 122.5

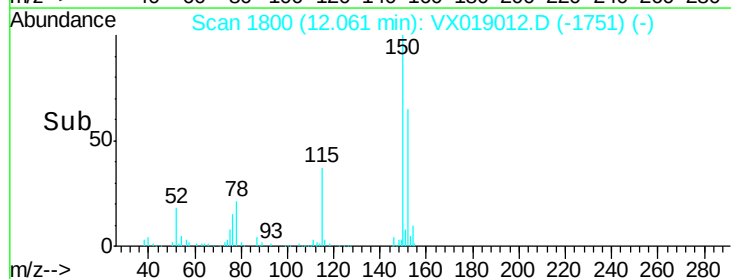
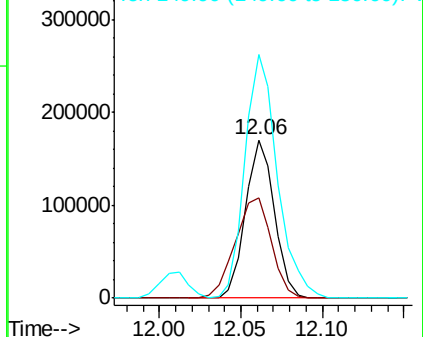
150 174.6 0.0 345.6



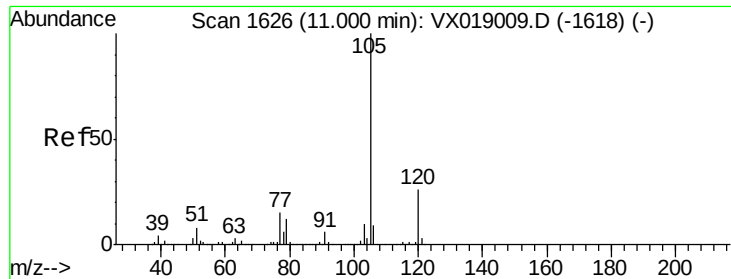
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 47.967 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

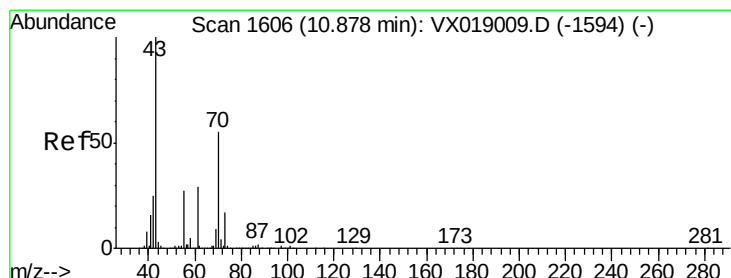
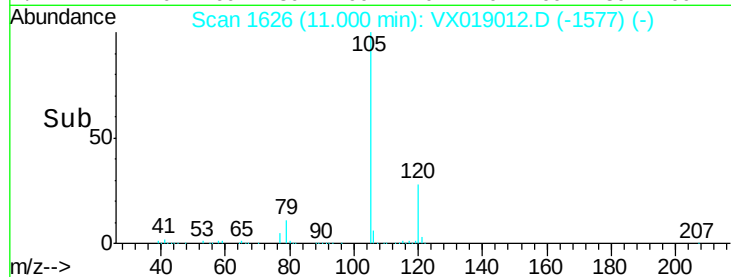
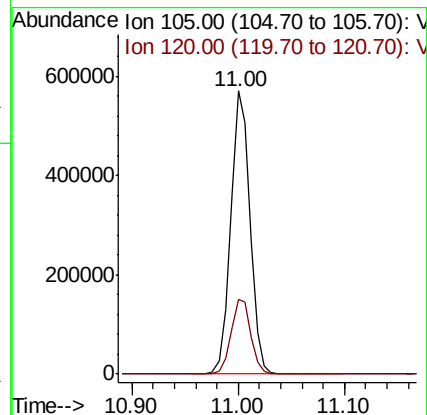
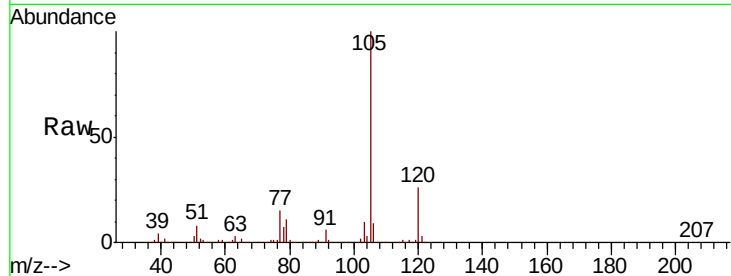
ICVVX102120

Tot Ion:105 Resp: 723289

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.1



#74

N-ethyl acetate

Concen: 50.933 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Tgt Ion: 43 Resp: 246068

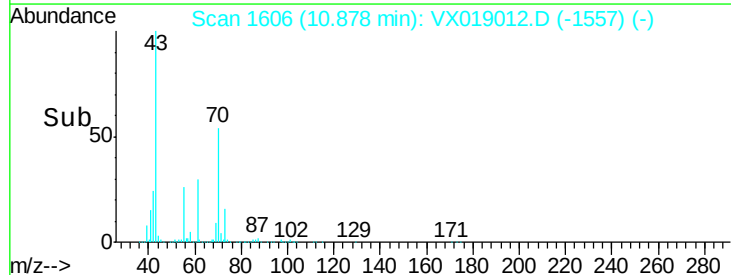
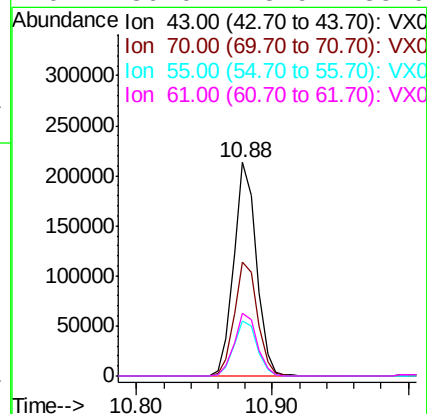
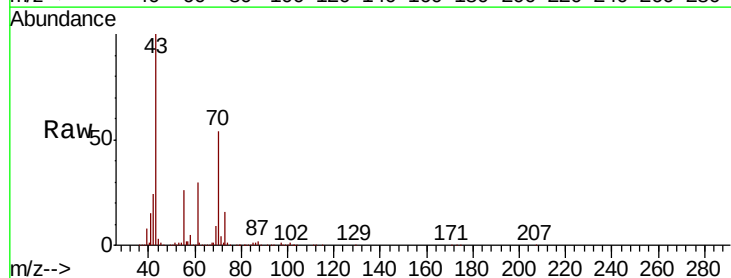
Ion Ratio Lower Upper

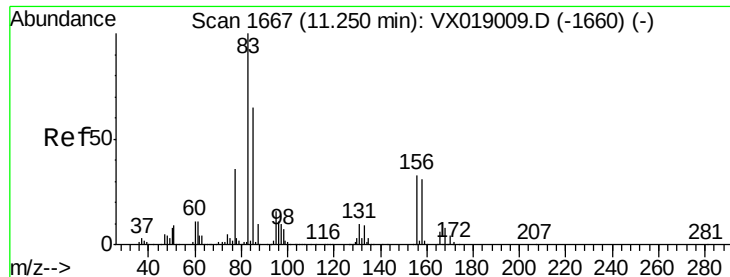
43 100

70 55.0 44.5 66.7

55 26.9 21.9 32.9

61 30.0 23.9 35.9

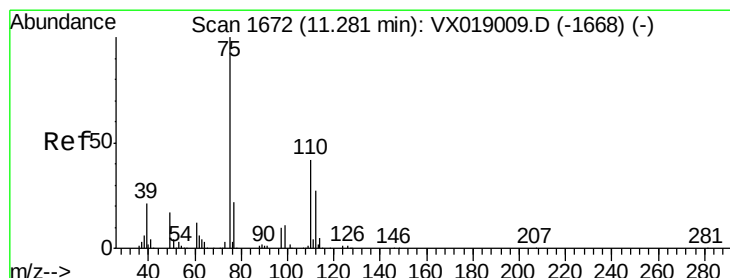
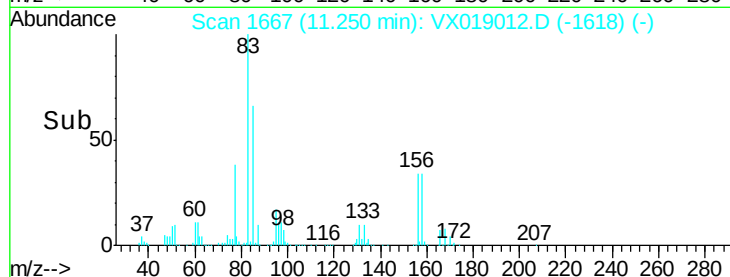
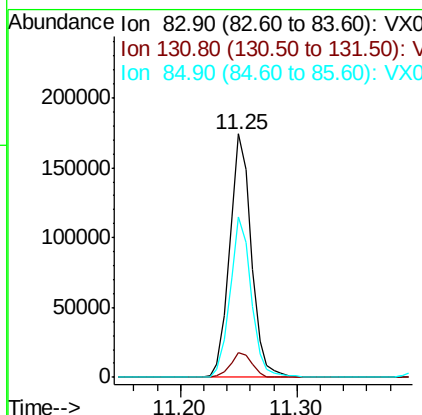
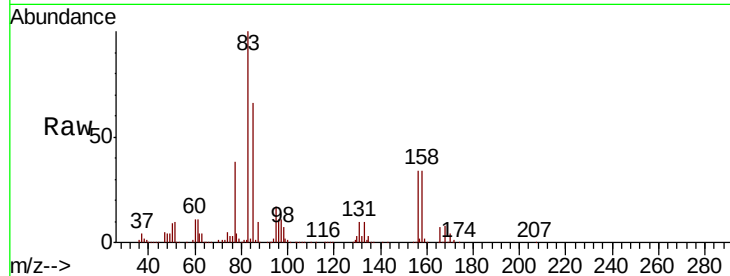




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 49.600 ug/l  
 RT: 11.25 min Scan# 1667  
 Delta R.T. -0.00 min  
 Lab File: VX019012.D  
 Acq: 21 Oct 2020 20:37

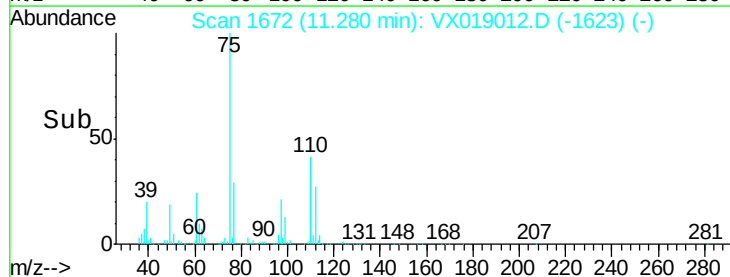
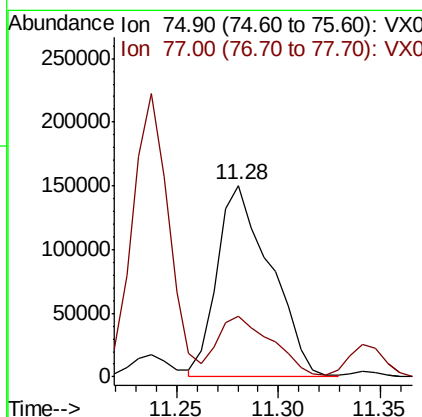
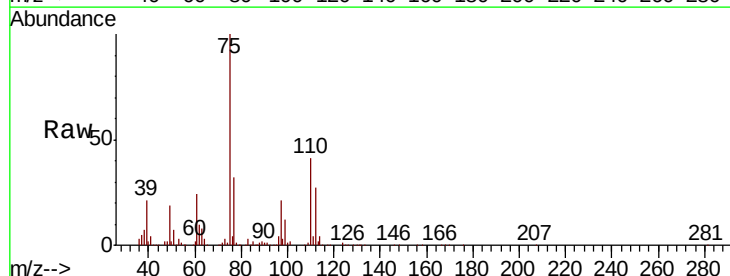
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX102120

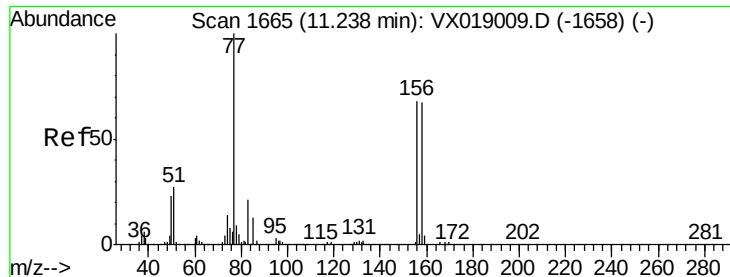
| Tot Ion   | 83    | Resp  | 225316 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.3  | 5.1   | 15.4   |
| 85        | 64.7  | 32.3  | 96.8   |



#76  
 1,2,3-Trichloropropane  
 Concen: 65.052 ug/l  
 RT: 11.28 min Scan# 1672  
 Delta R.T. -0.00 min  
 Lab File: VX019012.D  
 Acq: 21 Oct 2020 20:37

| Tgt Ion   | 75    | Resp  | 272537 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 32.2  | 20.7  | 62.1   |





#77

Bromobenzene

Concen: 48.305 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX102120

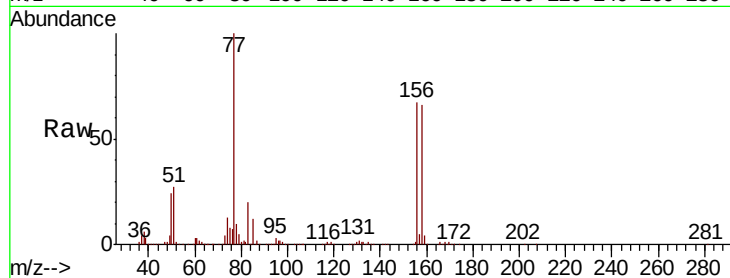
Tot Ion:156 Resp: 183956

Ion Ratio Lower Upper

156 100

77 149.9 74.4 223.1

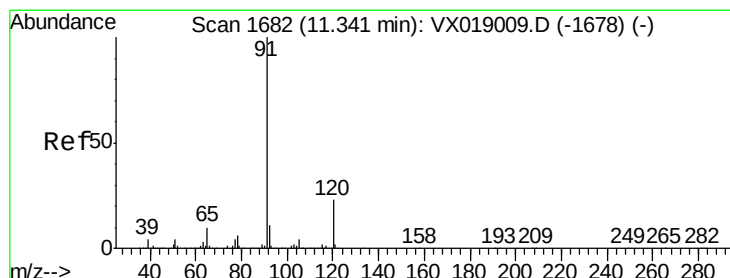
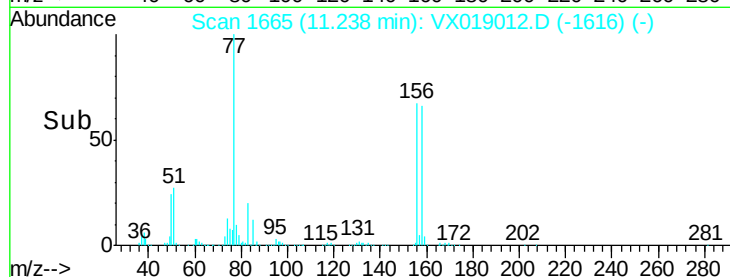
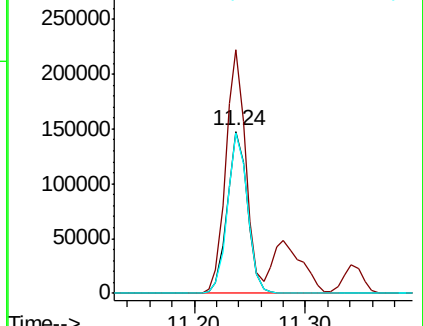
158 98.3 48.8 146.3



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: 47.937 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019012.D

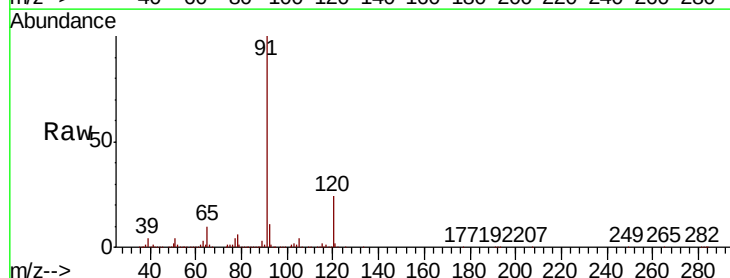
Acq: 21 Oct 2020 20:37

Tgt Ion: 91 Resp: 819076

Ion Ratio Lower Upper

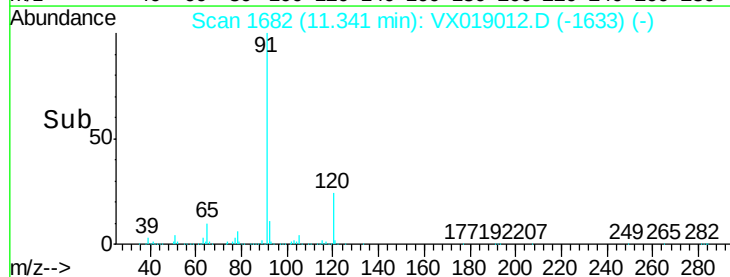
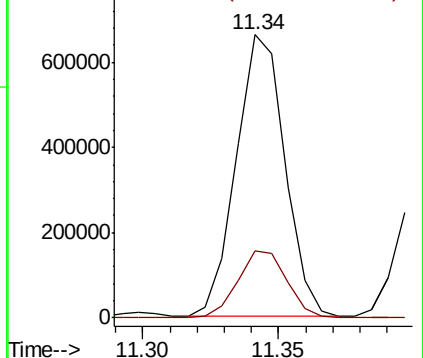
91 100

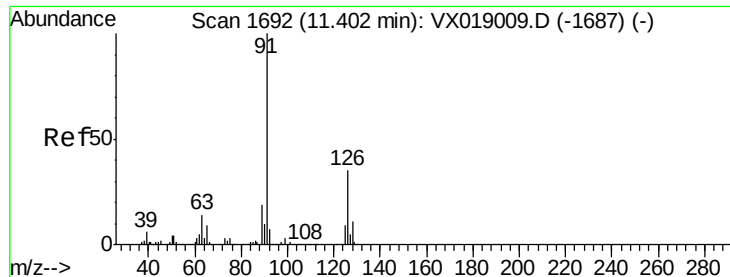
120 24.2 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.082 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

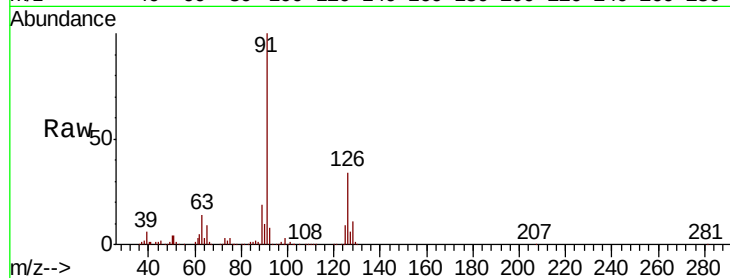
ICVVX102120

Tot Ion: 91 Resp: 479280

Ion Ratio Lower Upper

91 100

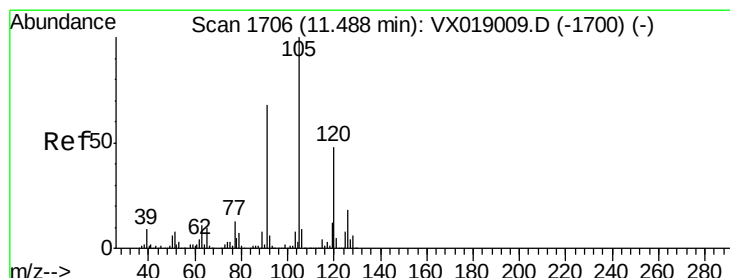
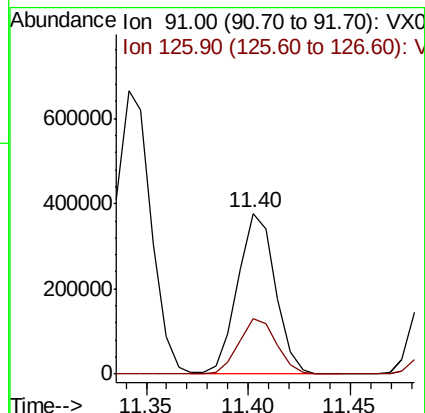
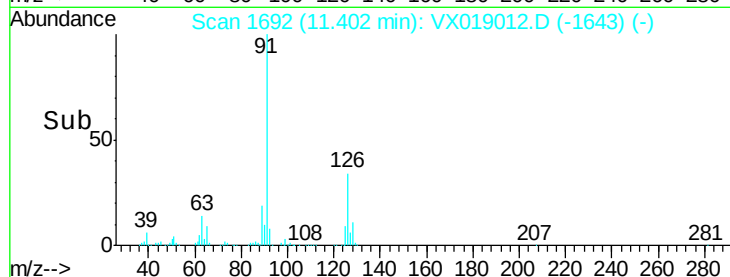
126 34.8 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VX019009.D (-1687) (-)

Ion 125.90 (125.60 to 126.60): VX019009.D (-1687) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.736 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019012.D

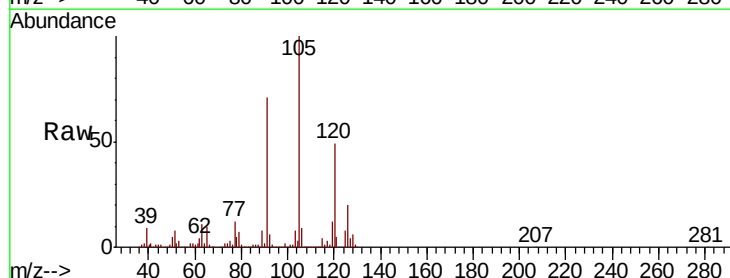
Acq: 21 Oct 2020 20:37

Tgt Ion: 105 Resp: 606861

Ion Ratio Lower Upper

105 100

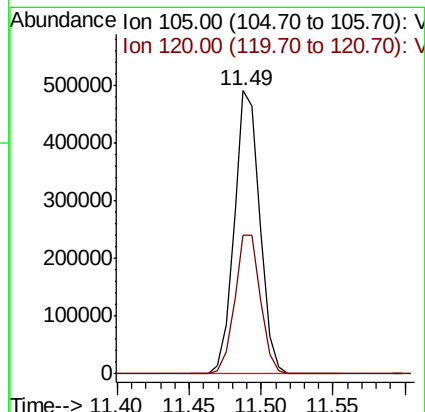
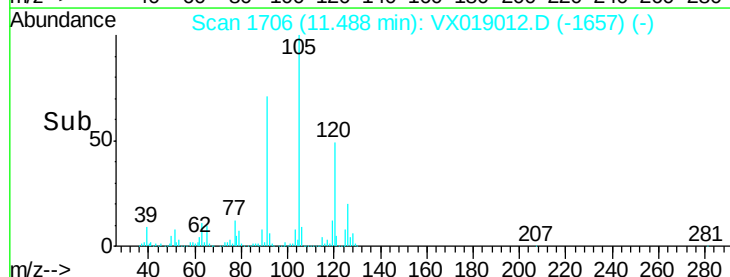
120 49.9 25.2 75.6

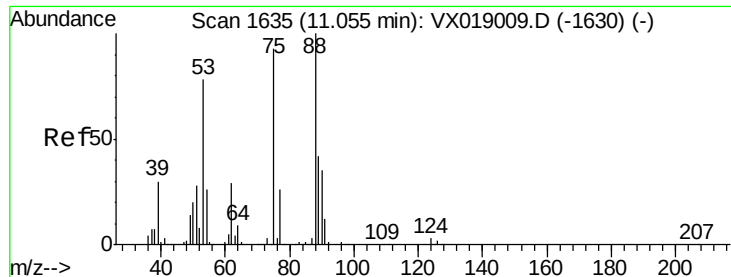


Abundance Ion 105.00 (104.70 to 105.70): VX019009.D (-1700) (-)

Ion 120.00 (119.70 to 120.70): VX019009.D (-1700) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.700 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX102120

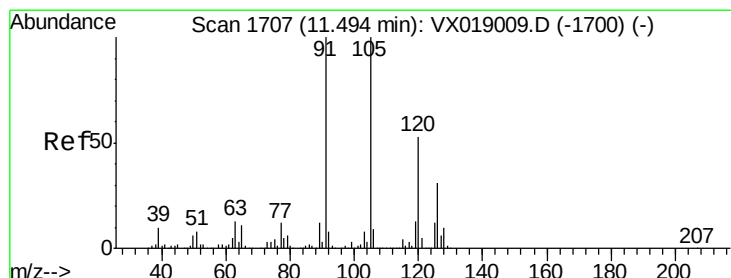
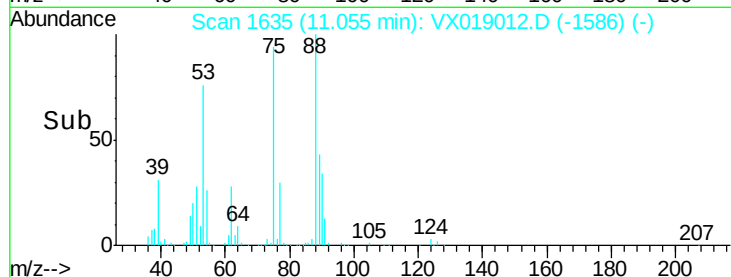
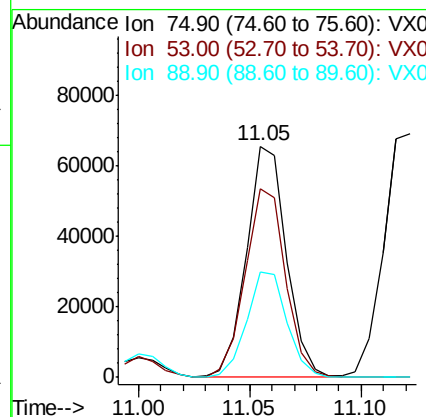
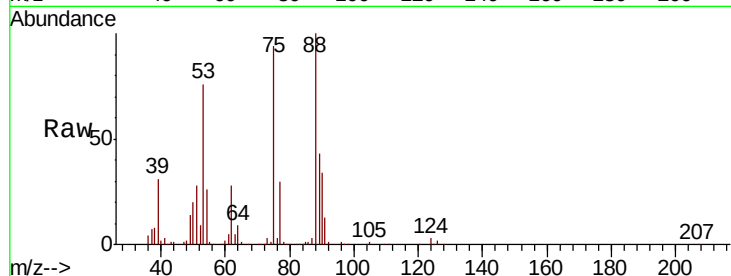
Tot Ion: 75 Resp: 81726

Ion Ratio Lower Upper

75 100

53 82.7 67.4 101.2

89 46.5 37.2 55.8



#82

4-Chlorotoluene

Concen: 48.178 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX019012.D

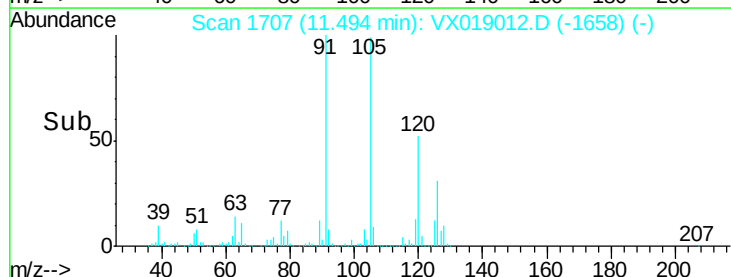
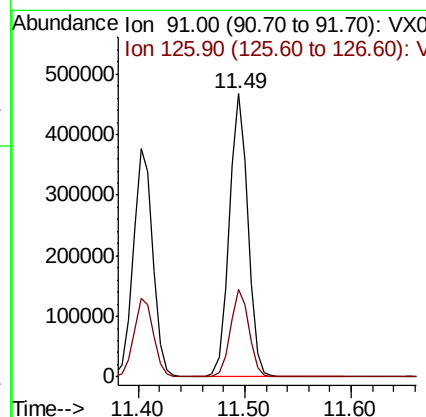
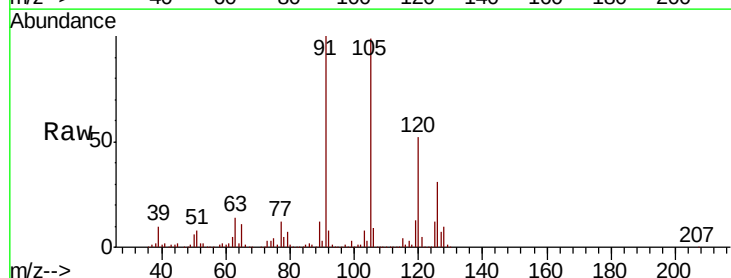
Acq: 21 Oct 2020 20:37

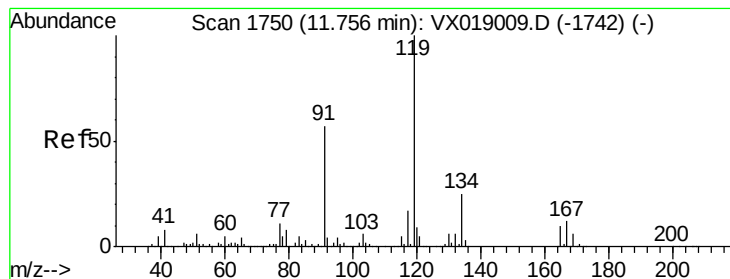
Tgt Ion: 91 Resp: 571421

Ion Ratio Lower Upper

91 100

126 30.8 15.6 46.7





#83

tert-Butylbenzene

Concen: 49.830 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX102120

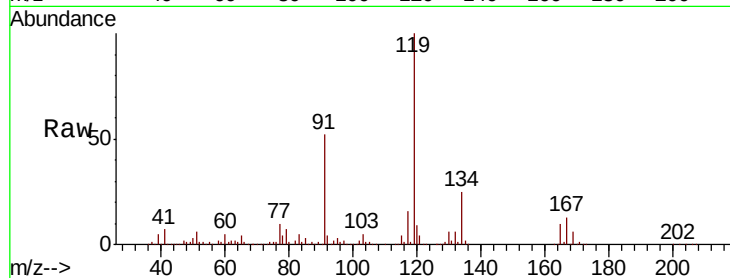
Tot Ion:119 Resp: 611237

Ion Ratio Lower Upper

119 100

91 53.7 28.1 84.4

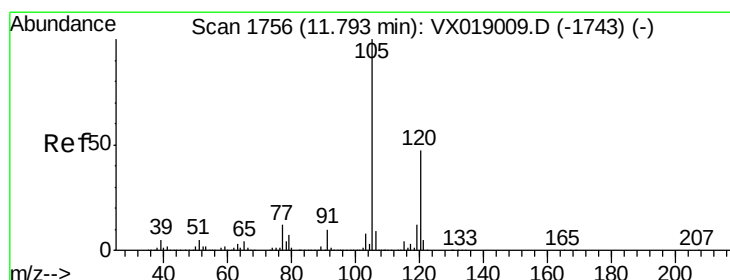
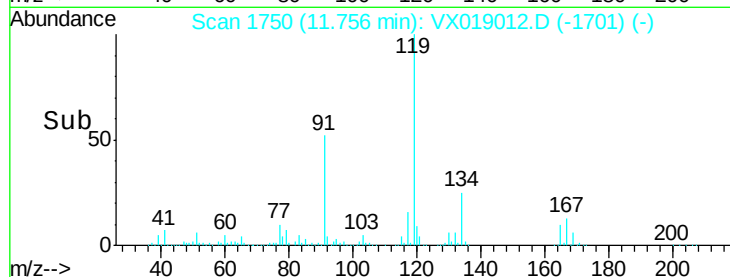
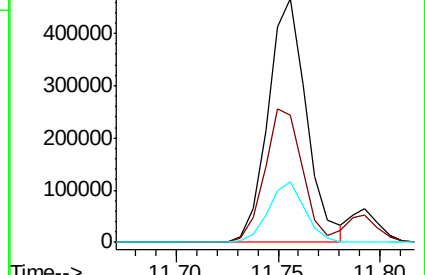
134 23.3 11.8 35.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.981 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019012.D

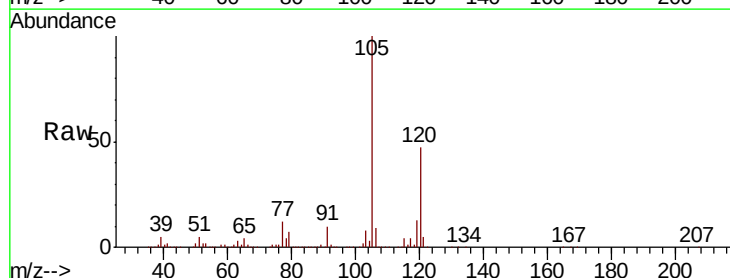
Acq: 21 Oct 2020 20:37

Tgt Ion:105 Resp: 610728

Ion Ratio Lower Upper

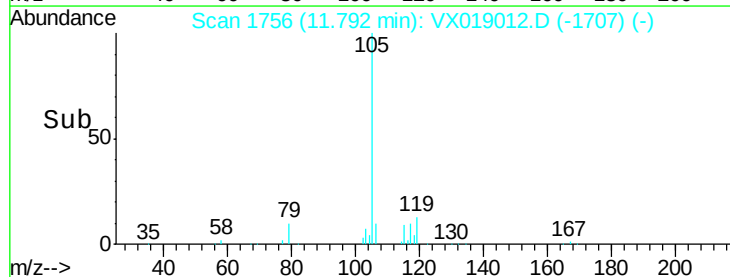
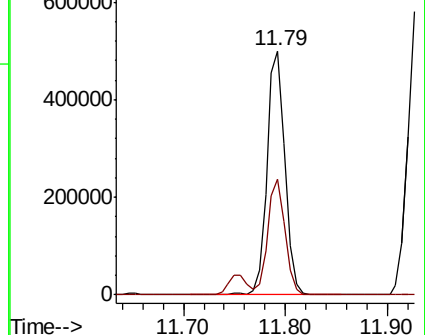
105 100

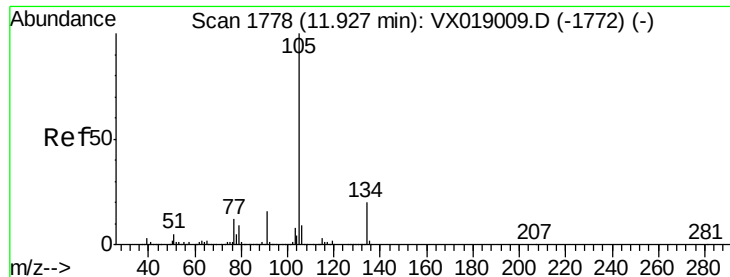
120 45.9 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.396 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

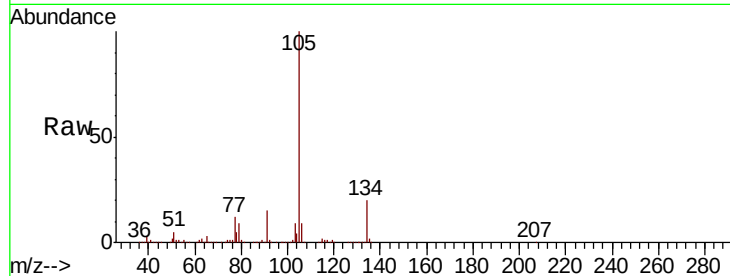
ICVX102120

Tot Ion:105 Resp: 718385

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

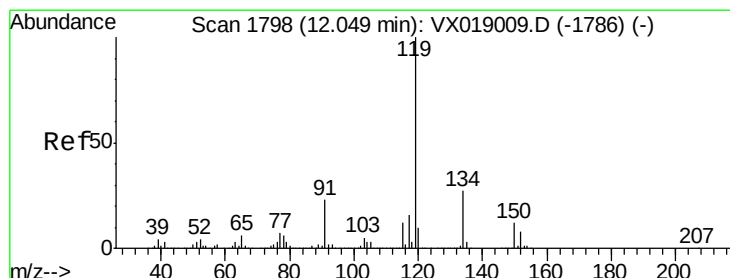
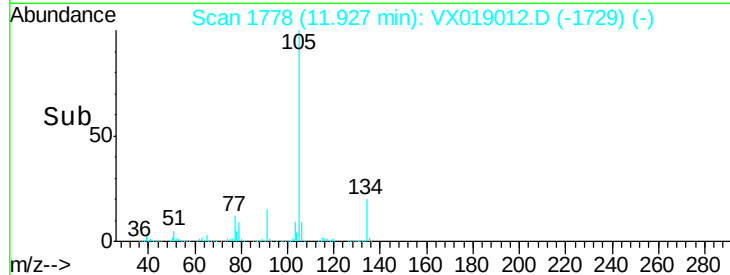
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.168 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

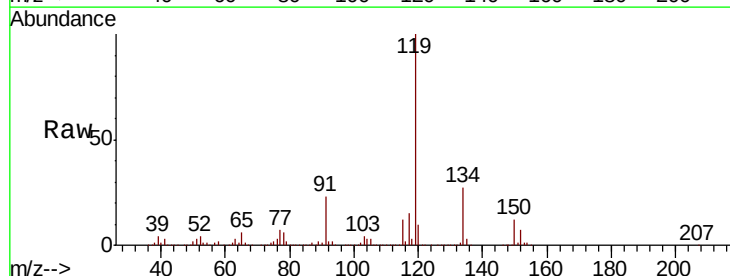
Tgt Ion:119 Resp: 666867

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 22.6 11.4 34.2



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

12.05

800000

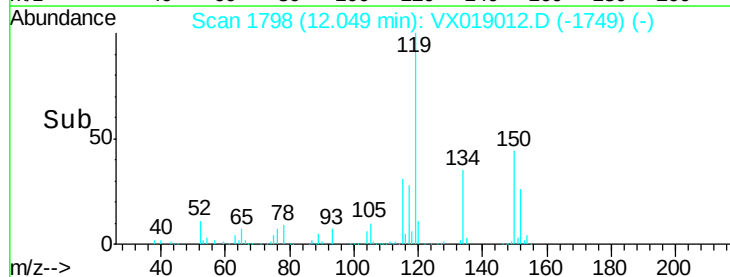
600000

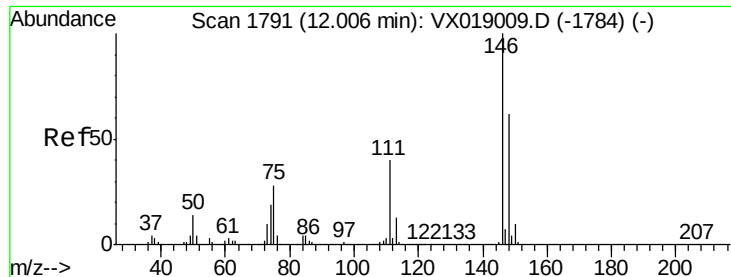
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 46.840 ug/l

RT: 12.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX102120

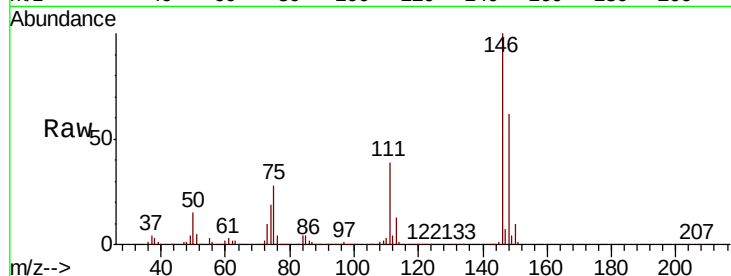
Tot Ion:146 Resp: 327214

Ion Ratio Lower Upper

146 100

111 40.0 19.7 59.1

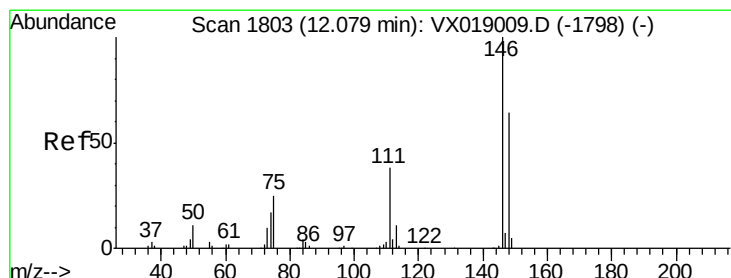
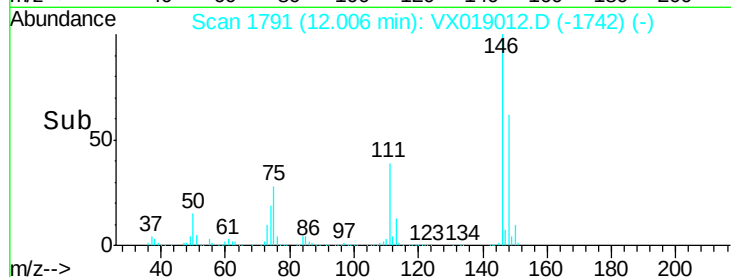
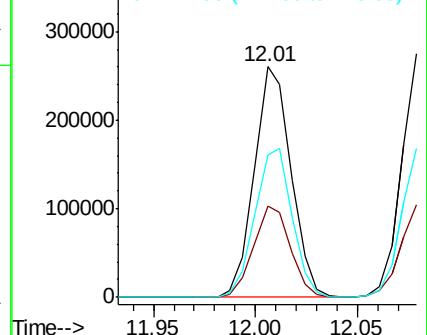
148 65.6 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 47.945 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

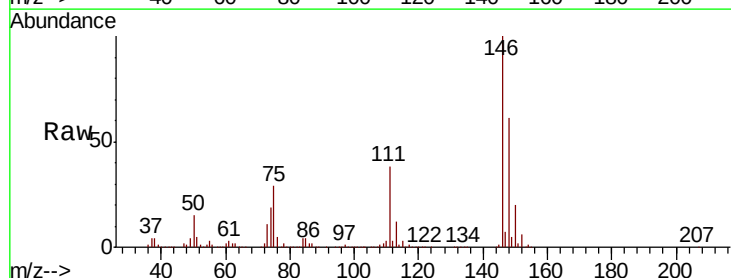
Tgt Ion:146 Resp: 343722

Ion Ratio Lower Upper

146 100

111 37.2 19.4 58.2

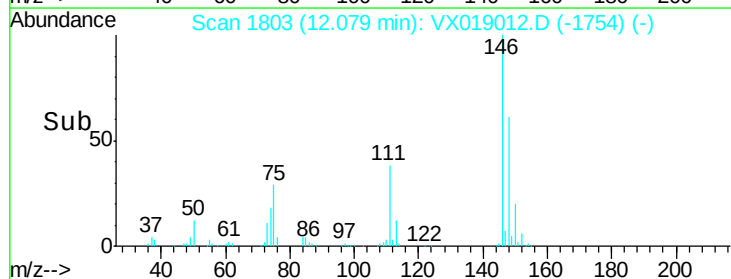
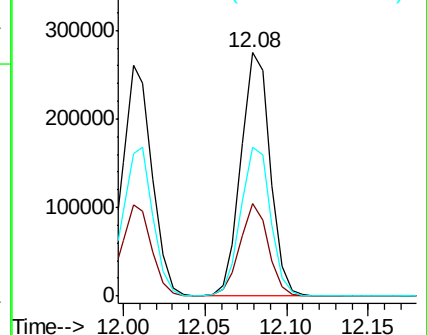
148 62.5 32.2 96.6



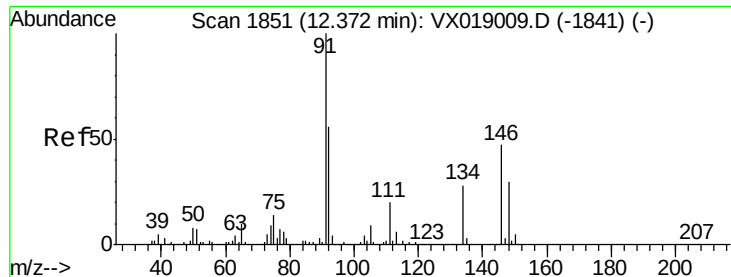
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V







#89

n-Butylbenzene

Concen: 47.212 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX019012.D

Acq: 21 Oct 2020 20:37

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX102120

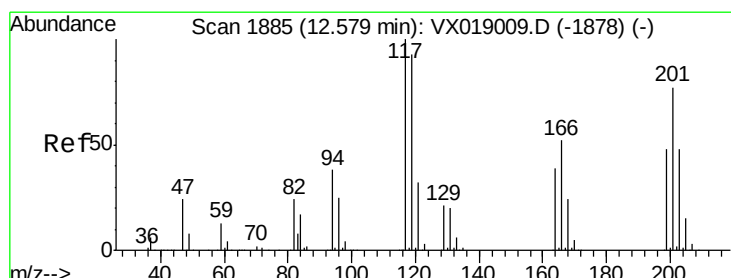
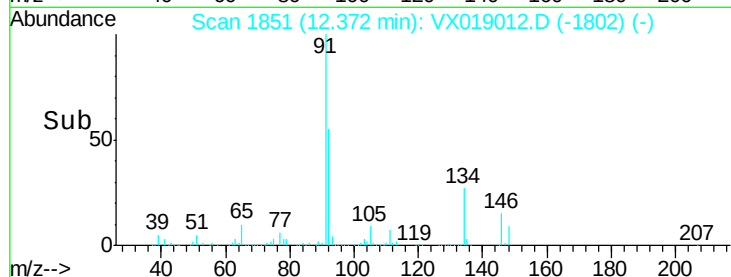
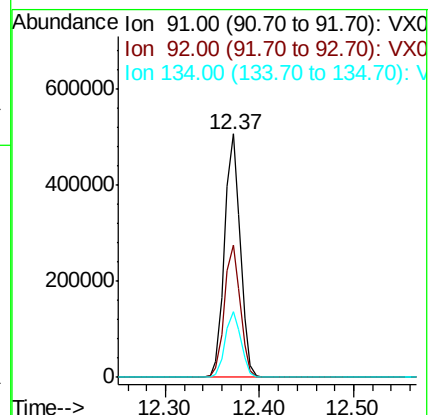
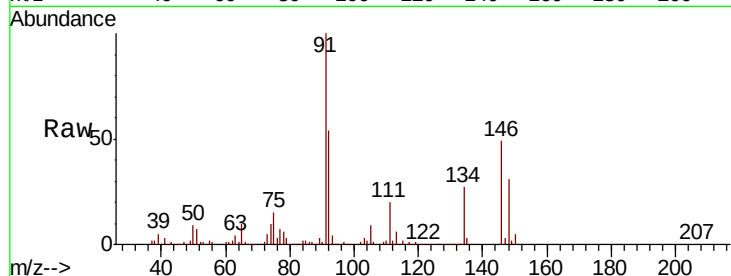
Tot Ion: 91 Resp: 586131

Ion Ratio Lower Upper

91 100

92 54.6 27.3 81.9

134 27.1 13.6 40.7



#90

Hexachloroethane

Concen: 51.450 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX019012.D

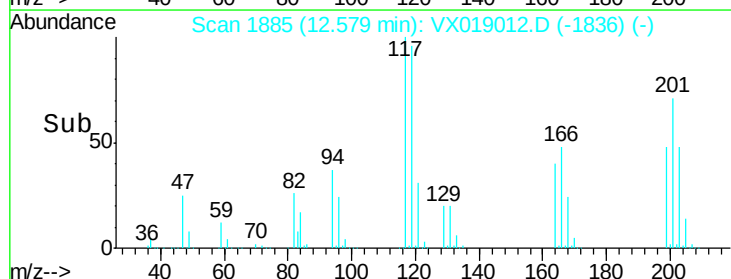
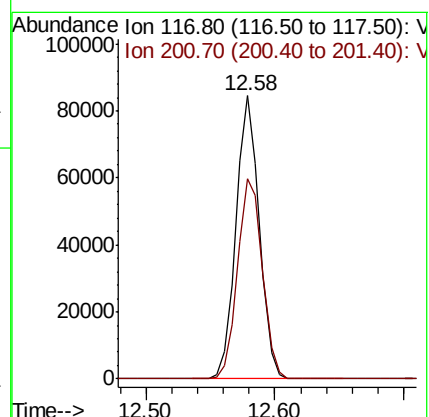
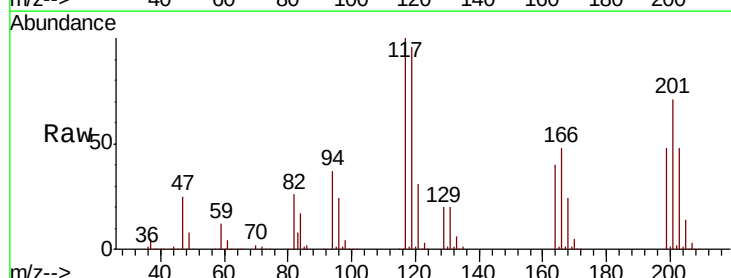
Acq: 21 Oct 2020 20:37

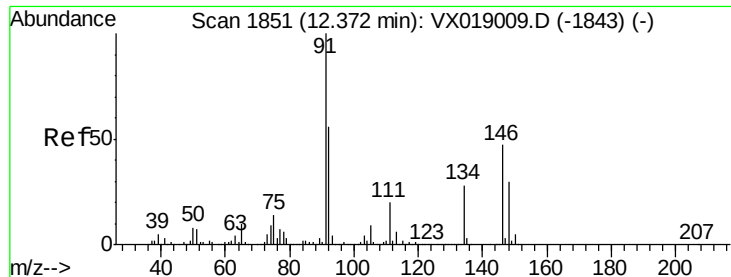
Tgt Ion: 117 Resp: 106830

Ion Ratio Lower Upper

117 100

201 75.0 37.1 111.3

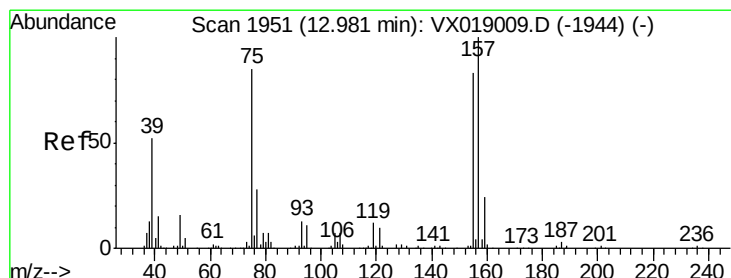
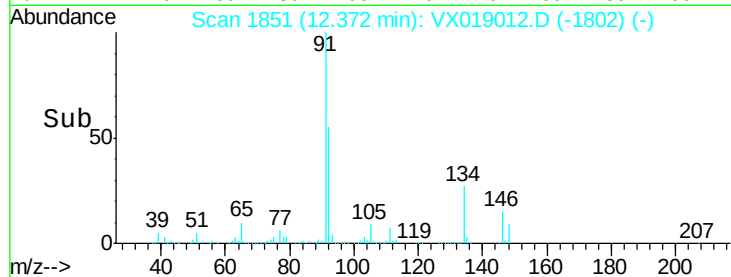
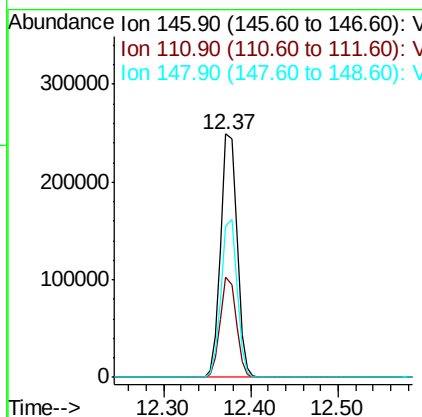
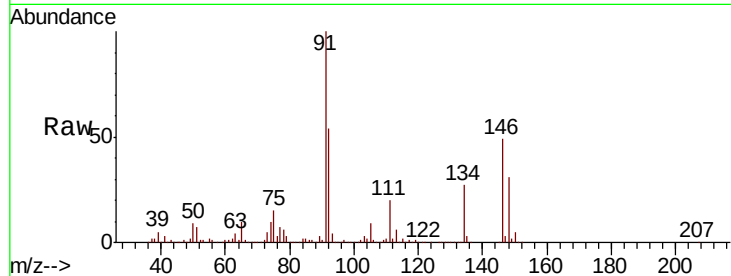




#91  
 1,2-Dichlorobenzene  
 Concen: 49.337 ug/l  
 RT: 12.37 min Scan# 1851  
 Delta R.T. -0.00 min  
 Lab File: VX019012.D  
 Acq: 21 Oct 2020 20:37

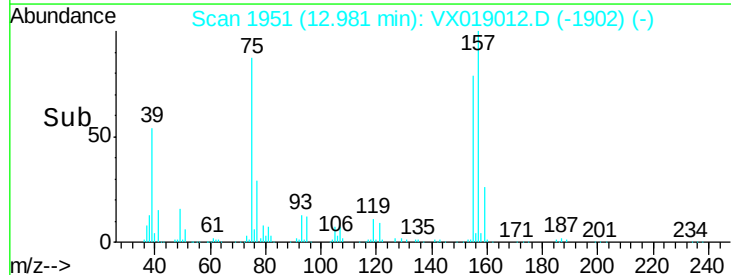
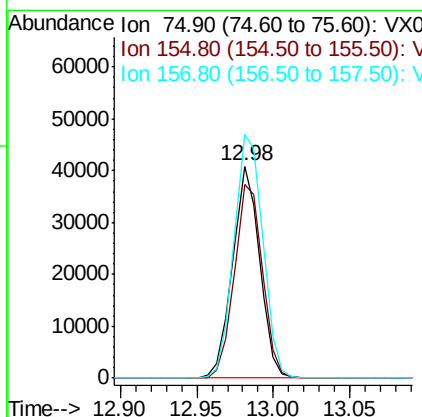
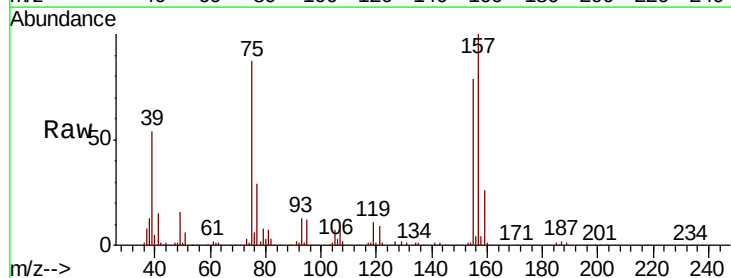
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX102120

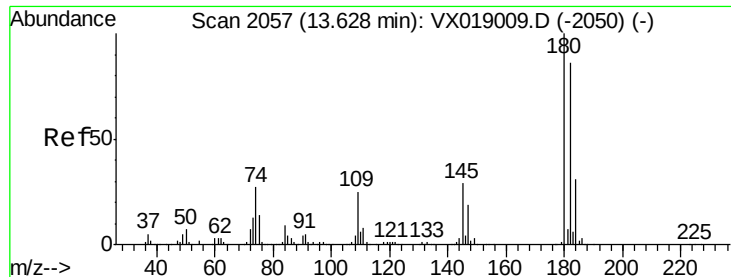
Tot Ion:146 Resp: 321345  
 Ion Ratio Lower Upper  
 146 100  
 111 40.4 19.9 59.7  
 148 63.7 31.4 94.3



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 48.561 ug/l  
 RT: 12.98 min Scan# 1951  
 Delta R.T. -0.00 min  
 Lab File: VX019012.D  
 Acq: 21 Oct 2020 20:37

Tgt Ion: 75 Resp: 50231  
 Ion Ratio Lower Upper  
 75 100  
 155 94.5 47.3 142.0  
 157 122.7 59.7 179.0

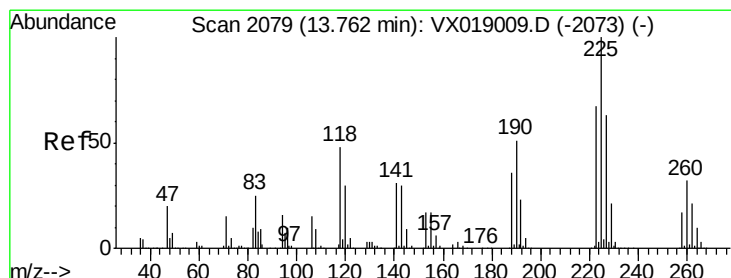
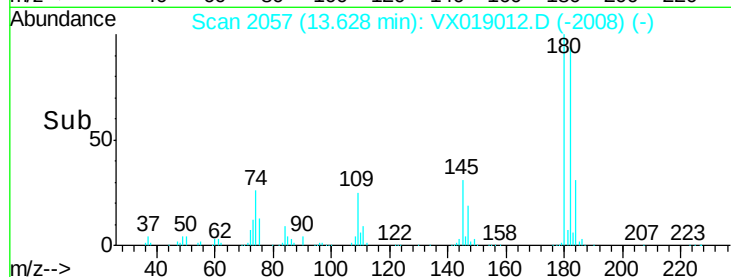
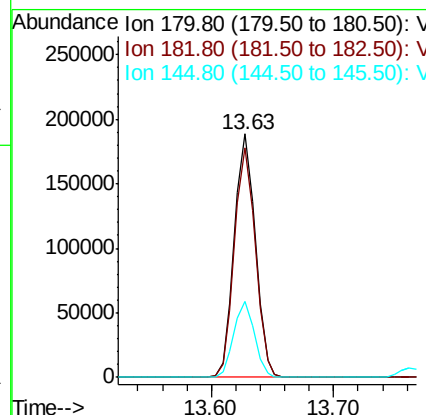
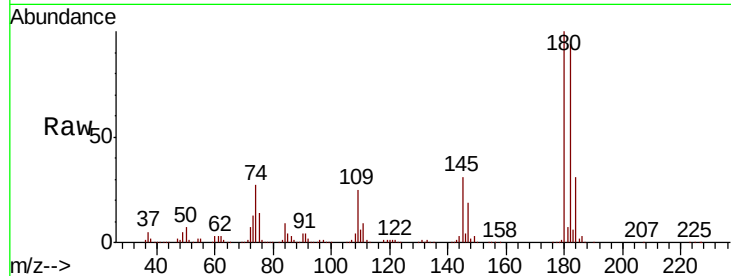




#93  
 1,2,4-Trichlorobenzene  
 Concen: 46.967 ug/l  
 RT: 13.63 min Scan# 2057  
 Delta R.T. -0.00 min  
 Lab File: VX019012.D  
 Acq: 21 Oct 2020 20:37

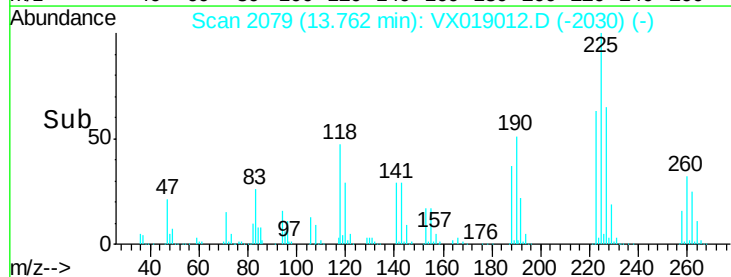
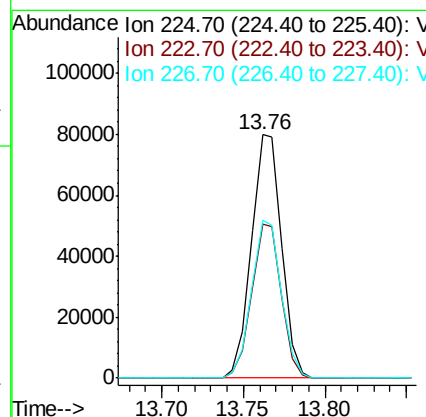
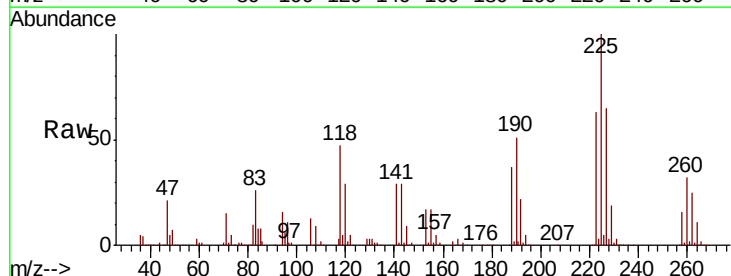
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX102120

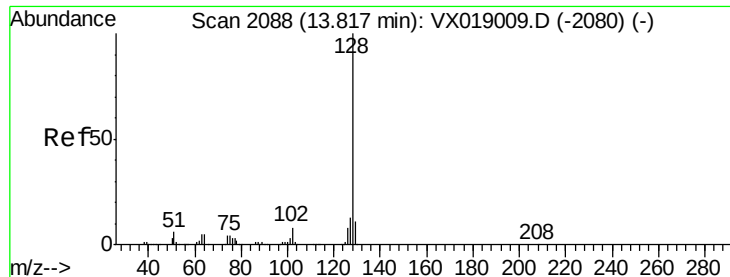
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.4  | 46.4  | 139.2 |
| 145     | 30.9  | 15.2  | 45.6  |



#94  
 Hexachlorobutadiene  
 Concen: 46.633 ug/l  
 RT: 13.76 min Scan# 2079  
 Delta R.T. -0.00 min  
 Lab File: VX019012.D  
 Acq: 21 Oct 2020 20:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.0  | 32.5  | 97.4  |
| 227     | 64.0  | 31.9  | 95.7  |

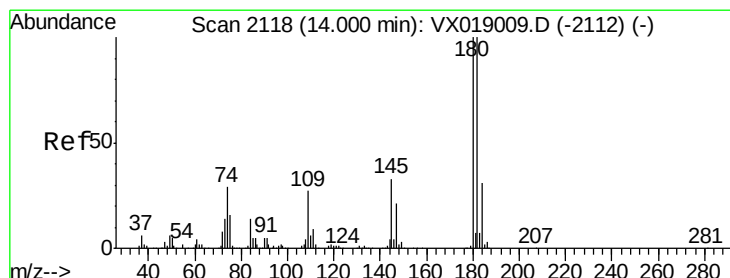
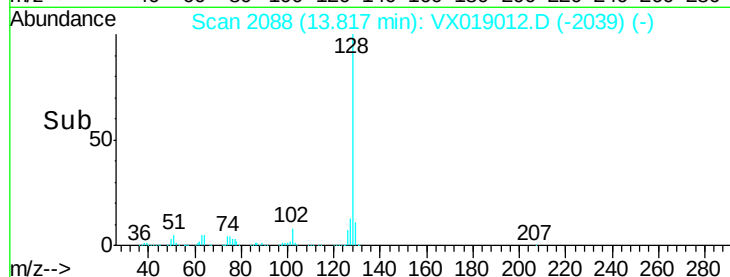
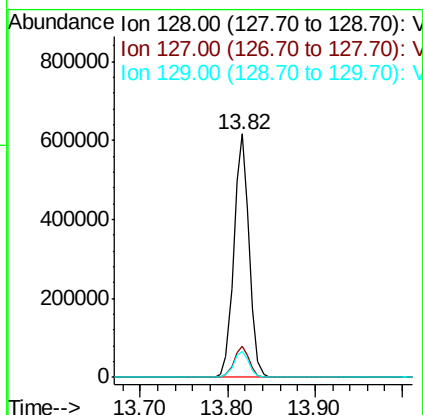
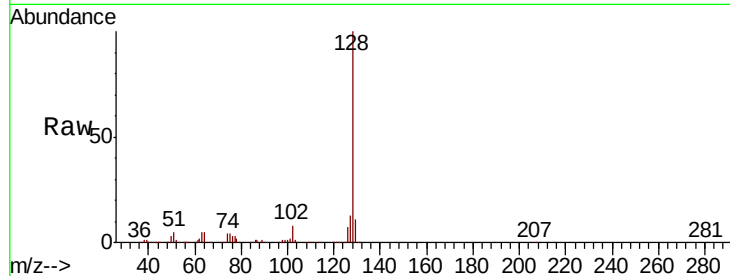




#95  
Naphthalene  
Concen: 50.243 ug/l  
RT: 13.82 min Scan# 2088  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102120

Tot Ion:128 Resp: 753291  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.5 15.7  
129 10.9 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 46.211 ug/l  
RT: 14.00 min Scan# 2118  
Delta R.T. -0.00 min  
Lab File: VX019012.D  
Acq: 21 Oct 2020 20:37

Tgt Ion:180 Resp: 214342  
Ion Ratio Lower Upper  
180 100  
182 99.4 47.3 142.0  
145 33.3 15.9 47.6

