

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092320\  
 Data File : VX018543.D  
 Acq On : 23 Sep 2020 18:45  
 Operator : JC/SP  
 Sample : VX0923WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0923WBS01

Quant Time: Sep 24 00:37:07 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 17 12:17:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 425105   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 654720   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 606430   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 318473   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.03   | 65  | 292882   | 48.70 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.40%  |      |
| 35) Dibromofluoromethane  | 5.47   | 113 | 226936   | 50.14 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.28% |      |
| 50) Toluene-d8            | 8.70   | 98  | 795880   | 48.40 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.80%  |      |
| 62) 4-Bromofluorobenzene  | 11.12  | 95  | 298193   | 45.58 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.16%  |      |

## Target Compounds

|                               |      |     |         |        | Qvalue   |
|-------------------------------|------|-----|---------|--------|----------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 77670   | 19.271 | ug/l 98  |
| 3) Chloromethane              | 1.31 | 50  | 83286   | 17.651 | ug/l 97  |
| 4) Vinyl Chloride             | 1.39 | 62  | 87658   | 17.548 | ug/l 99  |
| 5) Bromomethane               | 1.64 | 94  | 64410   | 21.009 | ug/l 99  |
| 6) Chloroethane               | 1.72 | 64  | 54716   | 19.139 | ug/l 97  |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 150059  | 19.774 | ug/l 93  |
| 8) Diethyl Ether              | 2.17 | 74  | 49665   | 18.653 | ug/l 93  |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 77866   | 19.063 | ug/l 99  |
| 10) Methyl Iodide             | 2.50 | 142 | 87156   | 20.465 | ug/l 95  |
| 11) Tert butyl alcohol        | 3.05 | 59  | 86521   | 82.687 | ug/l 100 |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 76744   | 18.641 | ug/l 87  |
| 13) Acrolein                  | 2.28 | 56  | 57734   | 87.139 | ug/l 93  |
| 14) Allyl chloride            | 2.71 | 41  | 131387  | 16.469 | ug/l 93  |
| 15) Acrylonitrile             | 3.12 | 53  | 210374  | 84.262 | ug/l 99  |
| 16) Acetone                   | 2.43 | 43  | 198726  | 86.407 | ug/l 98  |
| 17) Carbon Disulfide          | 2.56 | 76  | 216606  | 17.617 | ug/l 99  |
| 18) Methyl Acetate            | 2.75 | 43  | 101126  | 17.747 | ug/l 100 |
| 19) Methyl tert-butyl Ether   | 3.17 | 73  | 273727  | 18.941 | ug/l 94  |
| 20) Methylene Chloride        | 2.84 | 84  | 87715   | 17.286 | ug/l 99  |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96  | 84402   | 17.640 | ug/l 100 |
| 22) Diisopropyl ether         | 3.82 | 45  | 271583  | 18.111 | ug/l 94  |
| 23) Vinyl Acetate             | 3.79 | 43  | 1183080 | 89.033 | ug/l 99  |
| 24) 1,1-Dichloroethane        | 3.67 | 63  | 155950  | 18.033 | ug/l 98  |
| 25) 2-Butanone                | 4.65 | 43  | 295777  | 82.584 | ug/l 99  |
| 26) 2,2-Dichloropropane       | 4.56 | 77  | 146760  | 18.367 | ug/l 99  |
| 27) cis-1,2-Dichloroethene    | 4.57 | 96  | 96175   | 17.934 | ug/l 99  |
| 28) Bromochloromethane        | 4.98 | 49  | 77205   | 19.078 | ug/l 93  |
| 29) Tetrahydrofuran           | 5.10 | 42  | 183392  | 81.241 | ug/l 96  |
| 30) Chloroform                | 5.18 | 83  | 170262  | 19.404 | ug/l 98  |
| 31) Cyclohexane               | 5.55 | 56  | 123235  | 16.933 | ug/l 99  |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97  | 159799  | 19.412 | ug/l 100 |
| 36) 1,1-Dichloropropene       | 5.77 | 75  | 116448  | 18.325 | ug/l 98  |
| 37) Ethyl Acetate             | 4.80 | 43  | 121074  | 17.842 | ug/l 99  |
| 38) Carbon Tetrachloride      | 5.76 | 117 | 145865  | 20.726 | ug/l 97  |

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 Sample : VX0923WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0923WBS01

Quant Time: Sep 24 00:37:07 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 17 12:17:36 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.45  | 83   | 126624   | 17.736  | ug/l   | 99       |
| 40) Benzene                    | 6.12  | 78   | 338171   | 18.569  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.01  | 41   | 67486    | 17.898  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 6.16  | 62   | 144355   | 20.375  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.42  | 43   | 195120   | 17.327  | ug/l   | 100      |
| 44) Trichloroethene            | 7.19  | 130  | 97360    | 18.467  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 91775    | 18.360  | ug/l   | 99       |
| 46) Dibromomethane             | 7.64  | 93   | 66168    | 19.267  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.88  | 83   | 136786   | 19.763  | ug/l   | 94       |
| 48) Methyl methacrylate        | 7.74  | 41   | 92239    | 16.829  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 28521    | 314.921 | ug/l # | 77       |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 609715   | 90.936  | ug/l   | 99       |
| 52) Toluene                    | 8.77  | 92   | 219093   | 19.118  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 143715   | 18.274  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 153963   | 19.003  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 90791    | 19.092  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 125175   | 17.752  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 150567   | 18.845  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 355578   | 94.850  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.48  | 43   | 451950   | 88.621  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 110709   | 19.524  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.66  | 107  | 98552    | 19.478  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.32  | 164  | 96358    | 20.182  | ug/l   | 97       |
| 65) Chlorobenzene              | 10.12 | 112  | 240593   | 19.267  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 98274    | 19.618  | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.24 | 91   | 408232   | 18.887  | ug/l   | 96       |
| 68) m/p-Xylenes                | 10.34 | 106  | 307767   | 37.642  | ug/l   | 97       |
| 69) o-Xylene                   | 10.68 | 106  | 147961   | 19.110  | ug/l   | 96       |
| 70) Styrene                    | 10.70 | 104  | 249944   | 18.697  | ug/l   | 98       |
| 71) Bromoform                  | 10.84 | 173  | 79941    | 19.007  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.00 | 105  | 402606   | 18.924  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.88 | 43   | 162968   | 17.015  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 130784   | 18.572  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 154989   | 23.159  | ug/l   | 84       |
| 77) Bromobenzene               | 11.24 | 156  | 107110   | 18.246  | ug/l   | 98       |
| 78) n-propylbenzene            | 11.34 | 91   | 462488   | 18.571  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.40 | 91   | 282519   | 18.742  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 353135   | 19.408  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.06 | 75   | 44825    | 17.163  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 333590   | 18.617  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 327099   | 18.516  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 349918   | 19.096  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 389635   | 18.693  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 365454   | 19.077  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 189115   | 17.918  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 198245   | 18.524  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.37 | 91   | 308140   | 17.375  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.58 | 117  | 68217    | 17.837  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 184588   | 18.685  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 31201    | 18.251  | ug/l   | 99       |

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Operator : JC/SP  
Sample : VX0923WBS01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

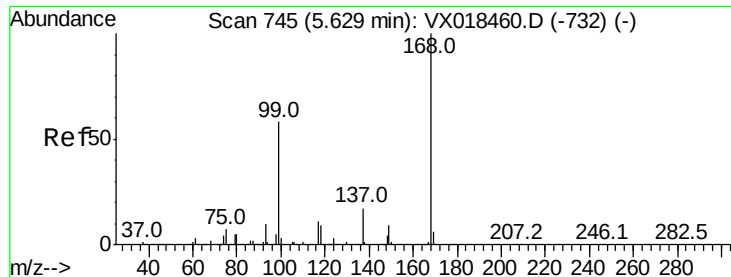
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0923WBS01

Quant Time: Sep 24 00:37:07 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091720W.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 17 12:17:36 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180  | 119672   | 17.406 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.77 | 225  | 58563    | 20.298 | ug/l  | 97       |
| 95) Naphthalene            | 13.82 | 128  | 366882   | 17.669 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.00 | 180  | 115699   | 17.608 | ug/l  | 93       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

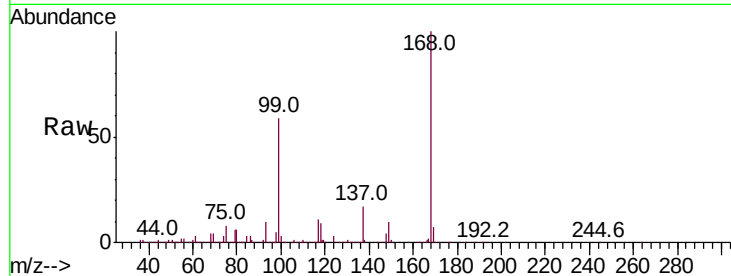
VX0923WBS01

Tot Ion:168 Resp: 425105

Ion Ratio Lower Upper

168 100

99 58.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

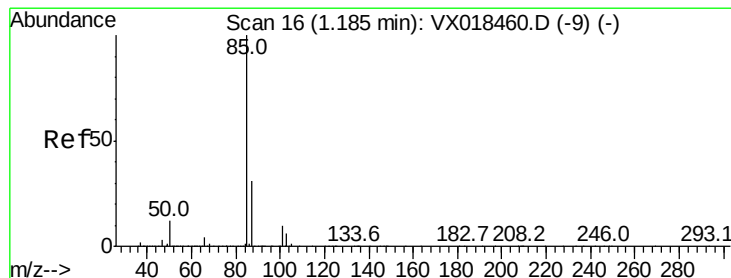
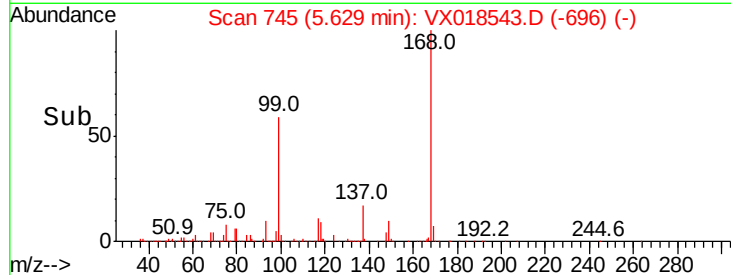
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.271 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018543.D

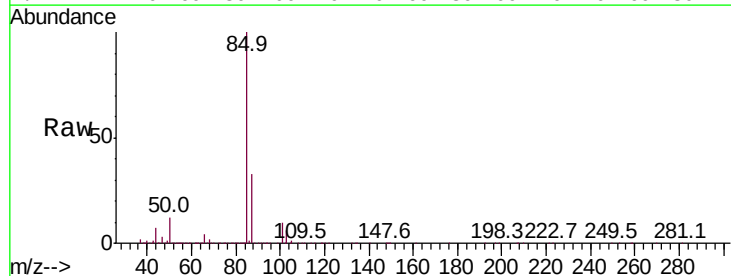
Acq: 23 Sep 2020 18:45

Tgt Ion: 85 Resp: 77670

Ion Ratio Lower Upper

85 100

87 32.6 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

80000

60000

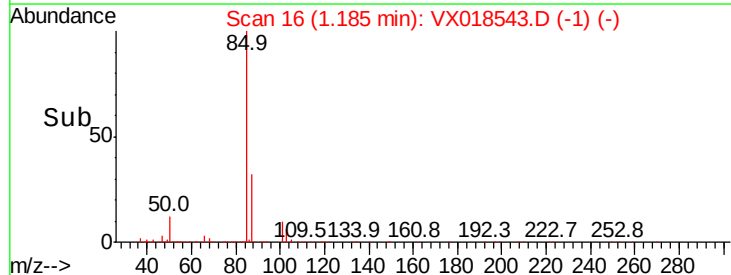
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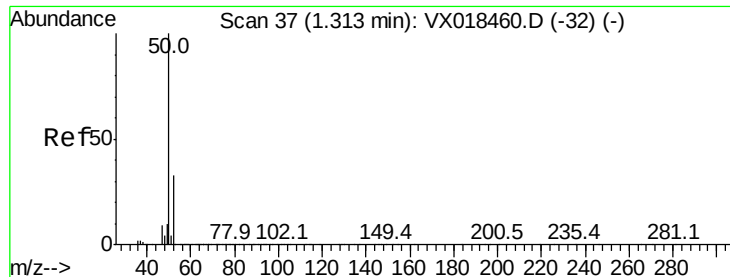
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.651 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

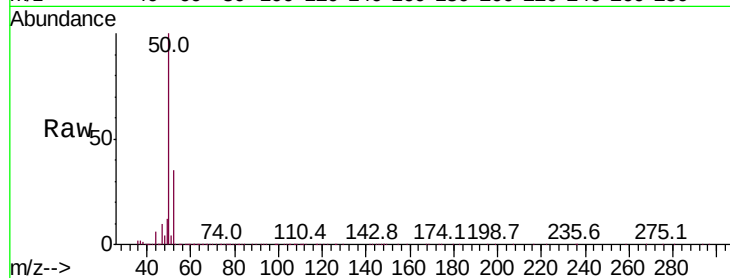
VX0923WBS01

Tot Ion: 50 Resp: 83286

Ion Ratio Lower Upper

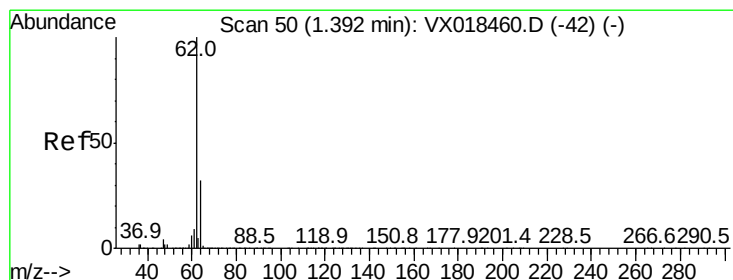
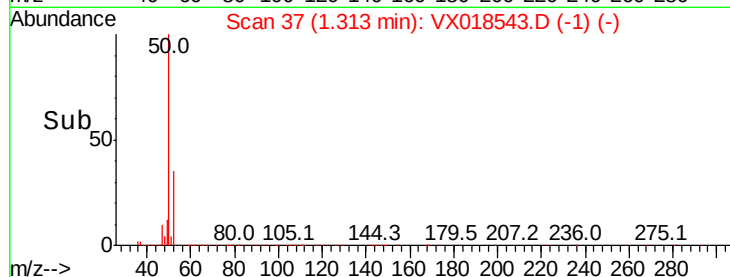
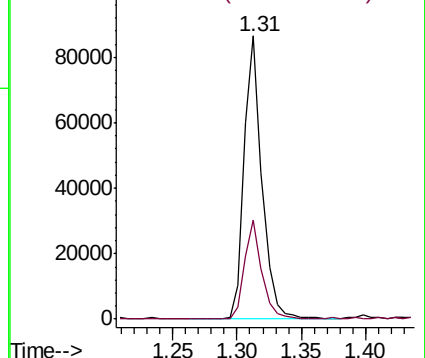
50 100

52 34.9 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.548 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018543.D

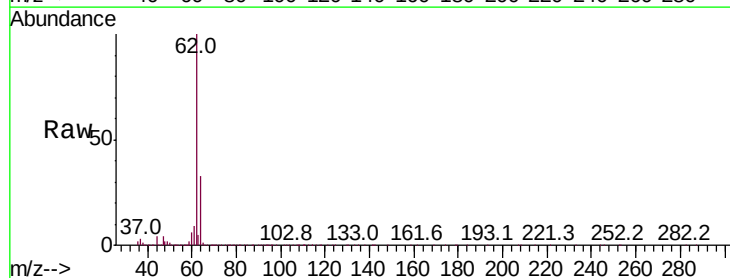
Acq: 23 Sep 2020 18:45

Tgt Ion: 62 Resp: 87658

Ion Ratio Lower Upper

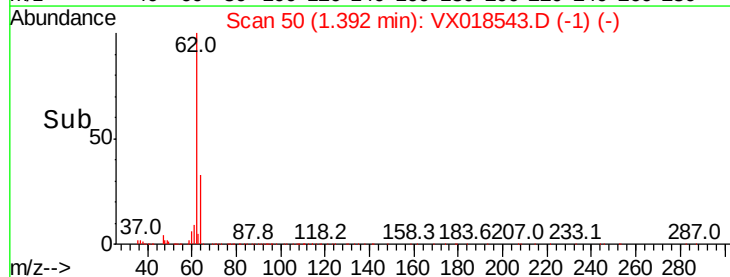
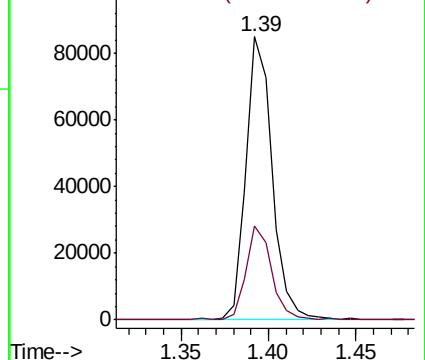
62 100

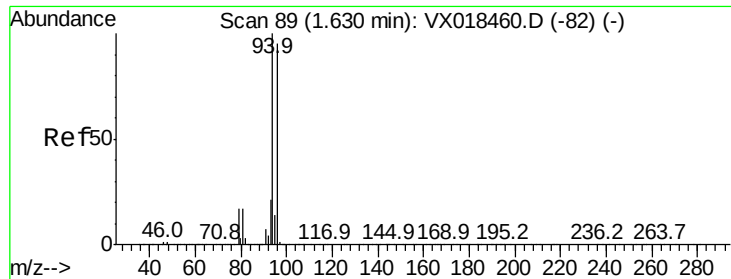
64 32.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.009 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

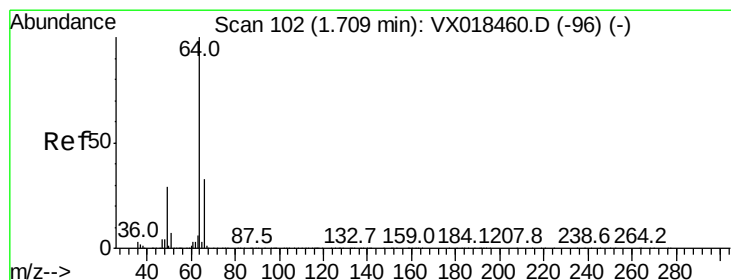
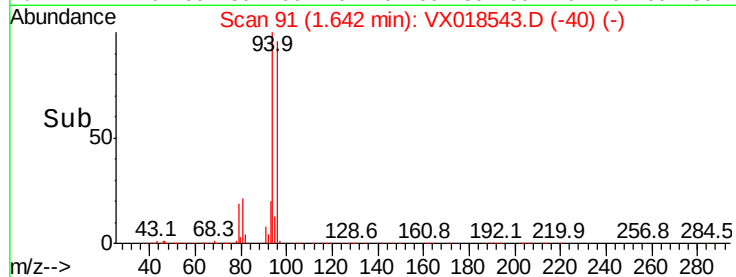
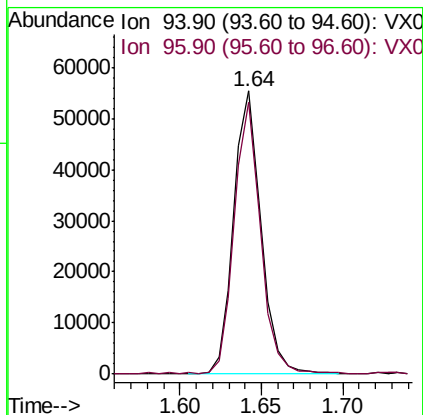
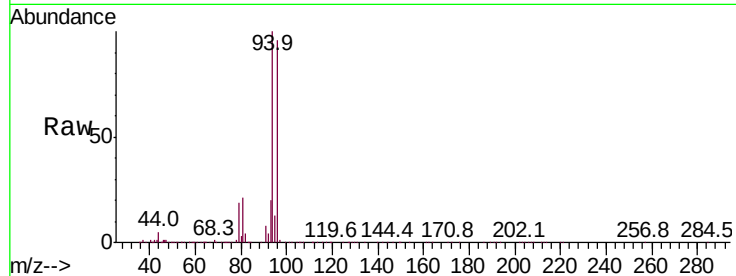
VX0923WBS01

Tot Ion: 94 Resp: 64410

Ion Ratio Lower Upper

94 100

96 95.7 75.5 113.3



#6

Chloroethane

Concen: 19.139 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX018543.D

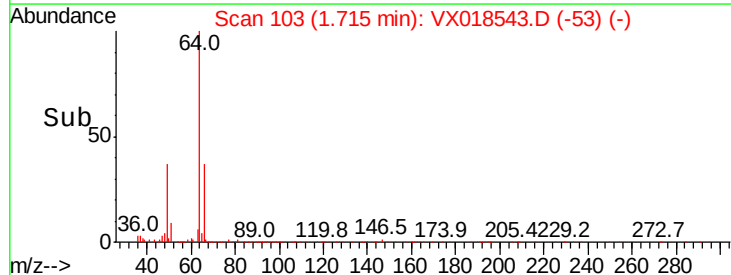
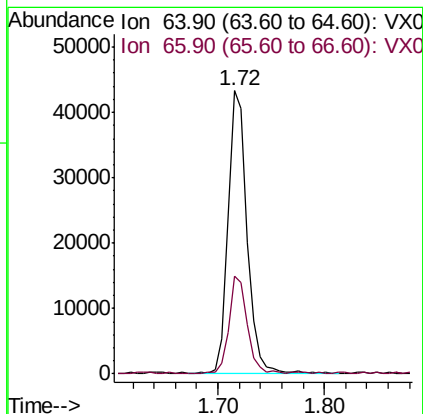
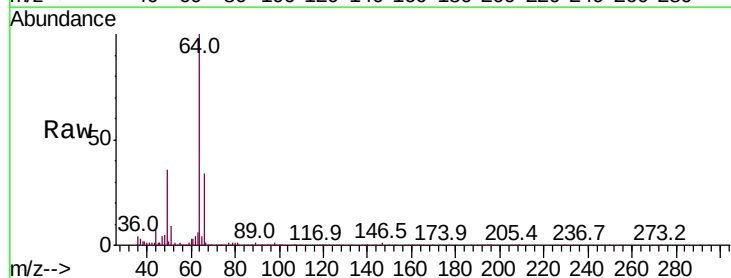
Acq: 23 Sep 2020 18:45

Tgt Ion: 64 Resp: 54716

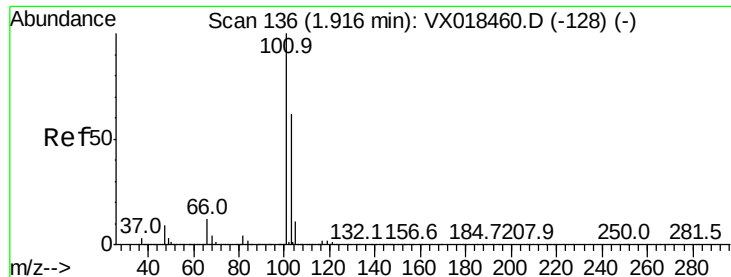
Ion Ratio Lower Upper

64 100

66 34.3 26.2 39.4





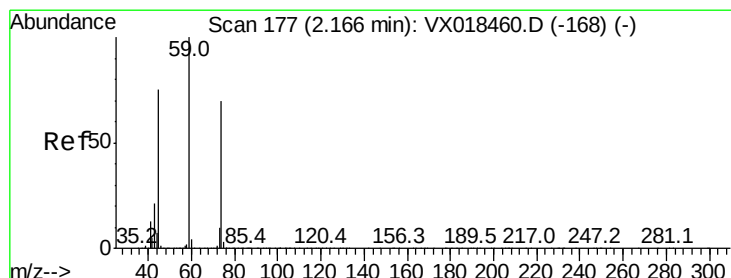
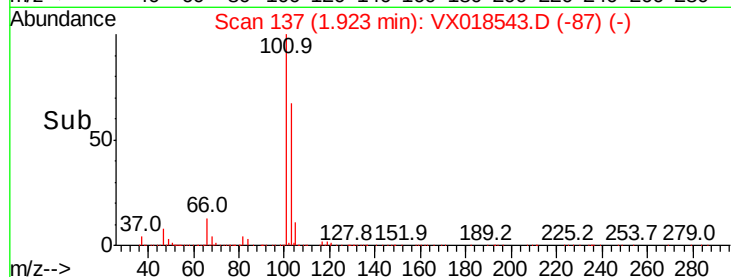
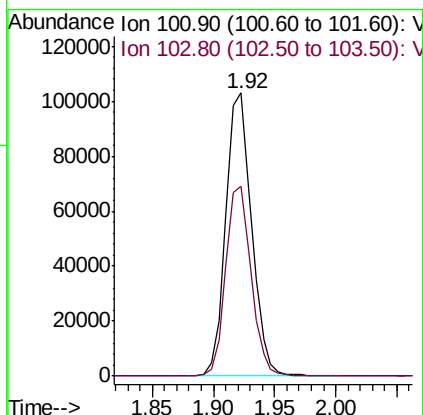
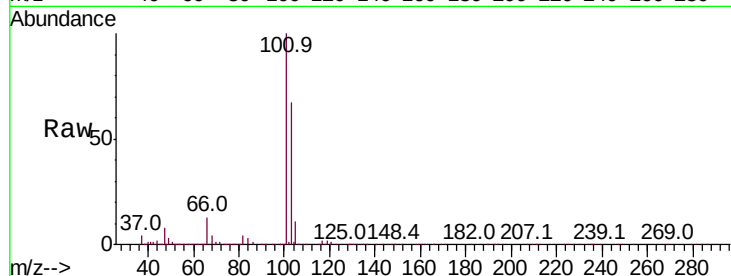


#7

Trichlorofluoromethane  
 Concen: 19.774 ug/l  
 RT: 1.92 min Scan# 137  
 Delta R.T. 0.01 min  
 Lab File: VX018543.D  
 Acq: 23 Sep 2020 18:45

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0923WBS01

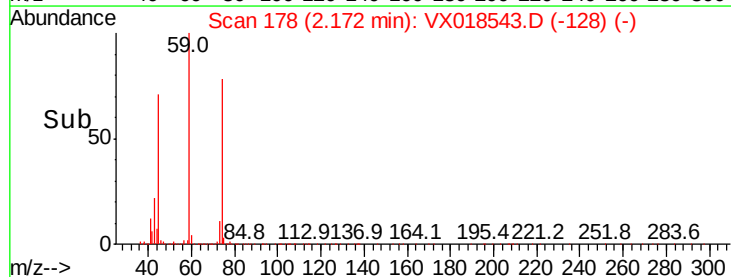
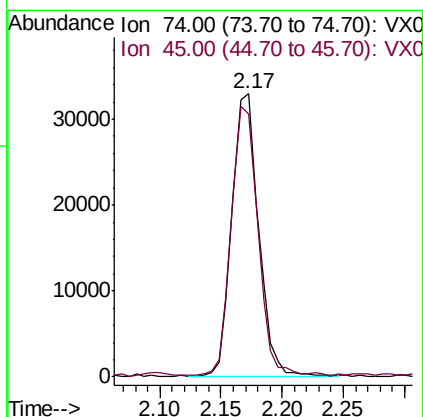
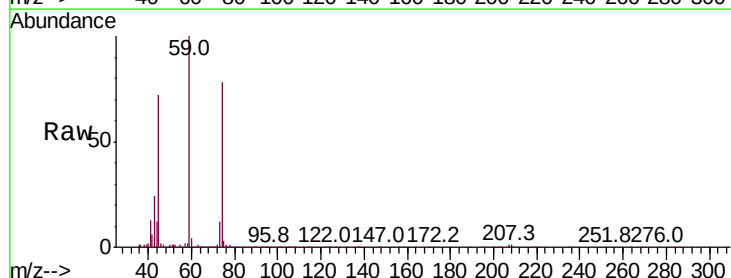
Tot Ion:101 Resp: 150059  
 Ion Ratio Lower Upper  
 101 100  
 103 67.2 49.6 74.4



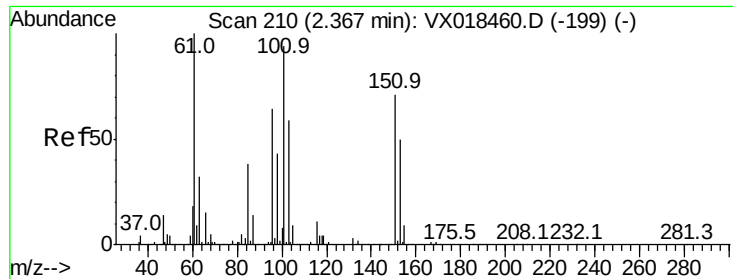
#8

Diethyl Ether  
 Concen: 18.653 ug/l  
 RT: 2.17 min Scan# 178  
 Delta R.T. 0.01 min  
 Lab File: VX018543.D  
 Acq: 23 Sep 2020 18:45

Tgt Ion: 74 Resp: 49665  
 Ion Ratio Lower Upper  
 74 100  
 45 94.7 50.7 152.1







#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.063 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

VX0923WBS01

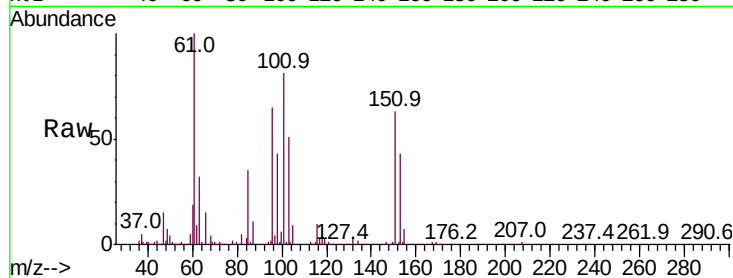
Tot Ion:101 Resp: 77866

Ion Ratio Lower Upper

101 100

85 44.0 34.7 52.1

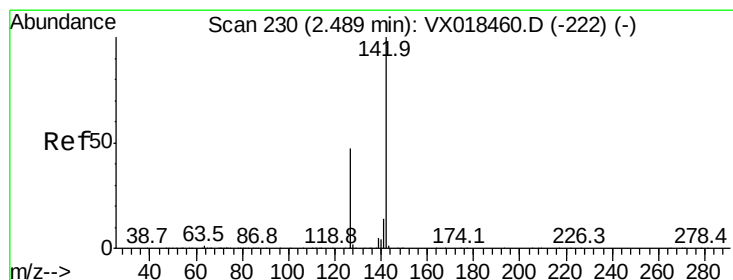
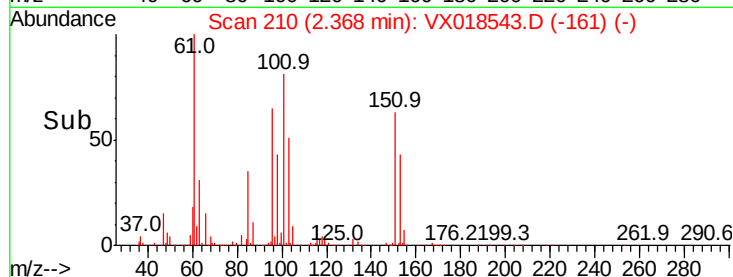
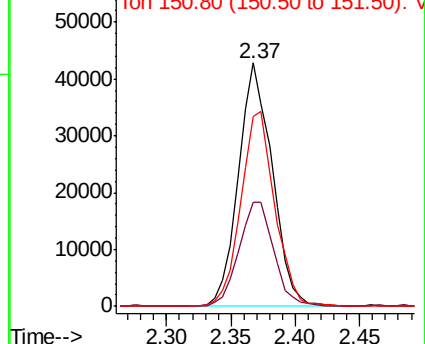
151 80.3 64.9 97.3



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: 20.465 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

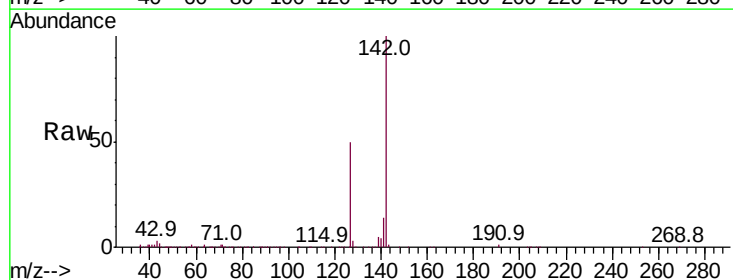
Tgt Ion:142 Resp: 87156

Ion Ratio Lower Upper

142 100

127 49.1 36.0 54.0

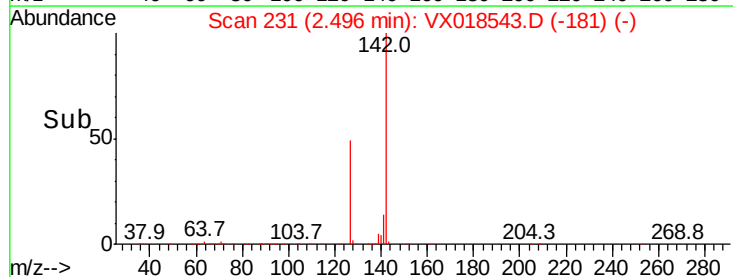
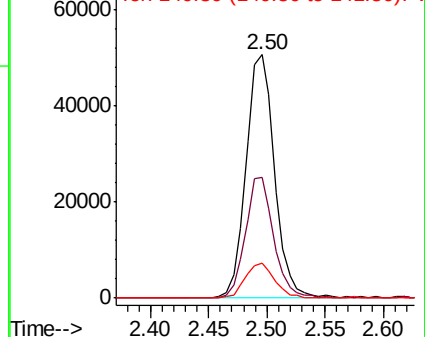
141 14.8 11.9 17.9

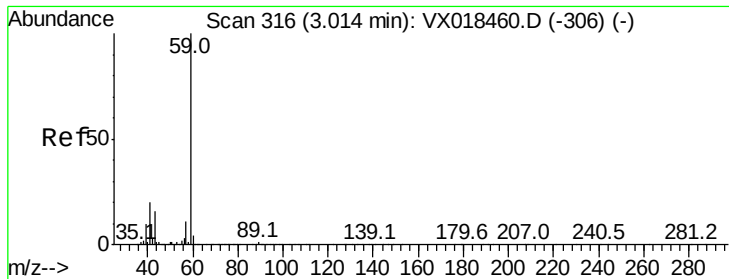


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

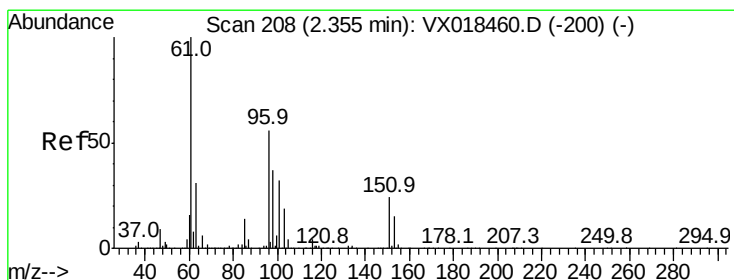
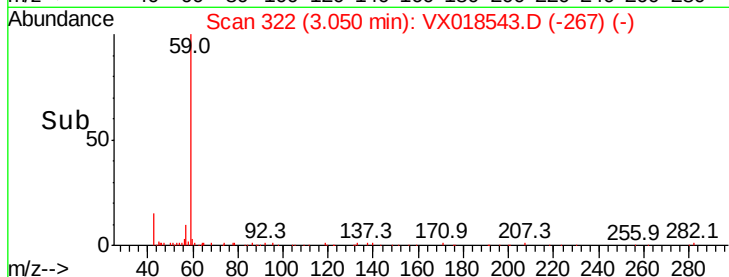
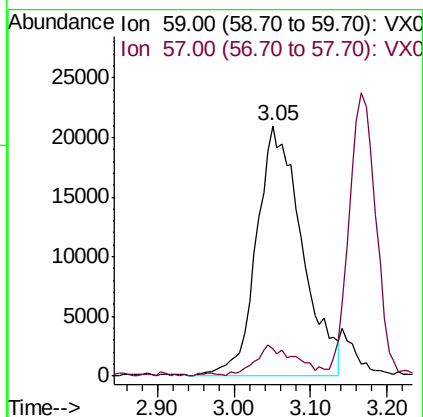
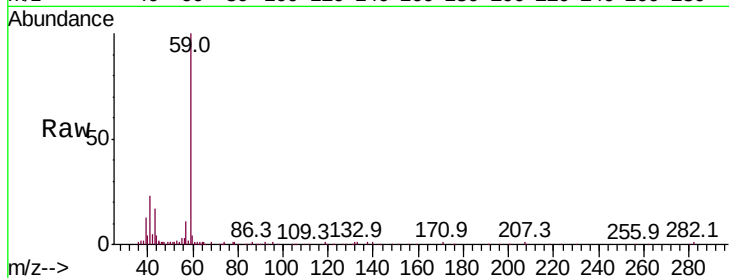




#11  
Tert butyl alcohol  
Concen: 82.687 ug/l  
RT: 3.05 min Scan# 322  
Delta R.T. 0.04 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

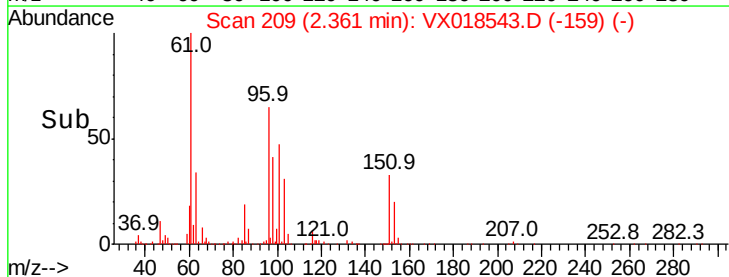
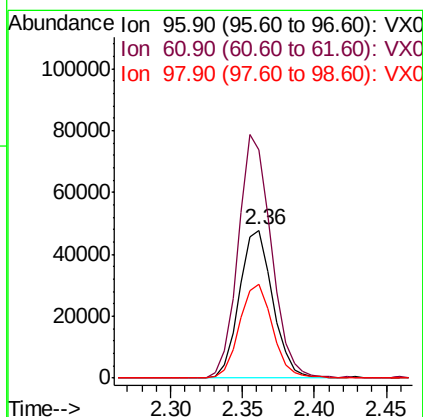
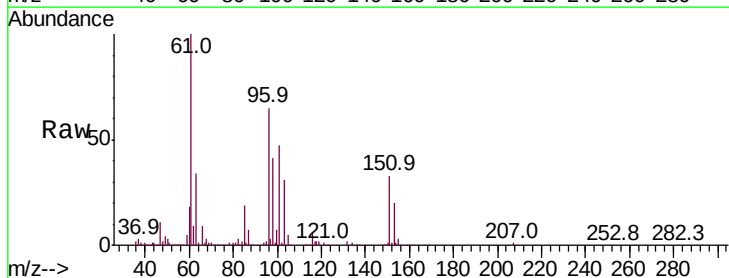
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0923WBS01

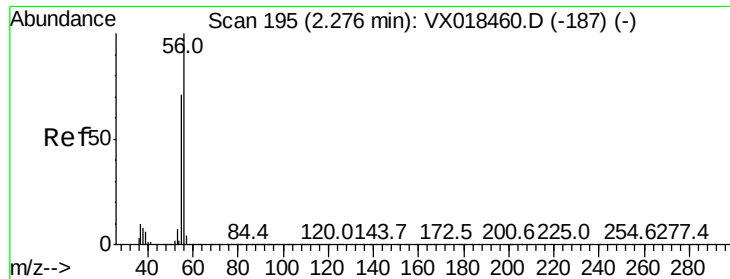
Tot Ion: 59 Resp: 86521  
Ion Ratio Lower Upper  
59 100  
57 10.5 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 18.641 ug/l  
RT: 2.36 min Scan# 209  
Delta R.T. 0.01 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

Tgt Ion: 96 Resp: 76744  
Ion Ratio Lower Upper  
96 100  
61 154.4 142.2 213.4  
98 63.9 52.4 78.6





#13

Acrolein

Concen: 87.139 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

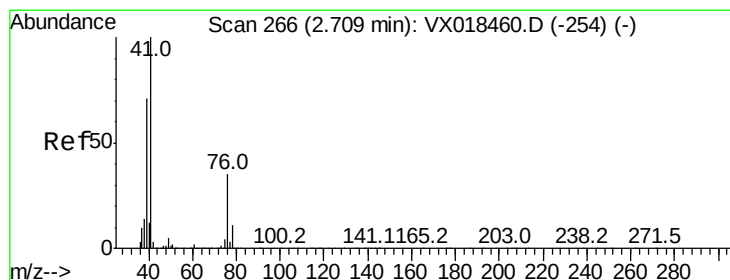
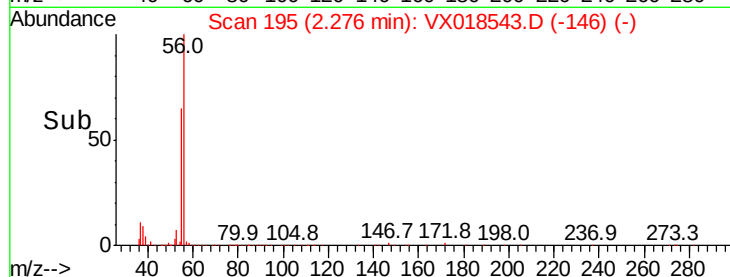
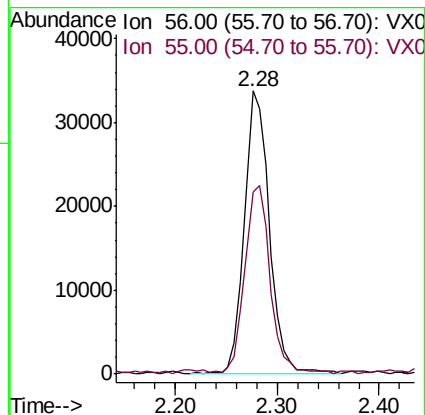
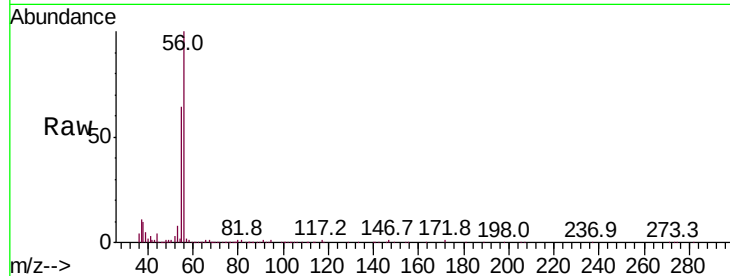
VX0923WBS01

Tot Ion: 56 Resp: 57734

Ion Ratio Lower Upper

56 100

55 66.8 58.2 87.4



#14

Allyl chloride

Concen: 16.469 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

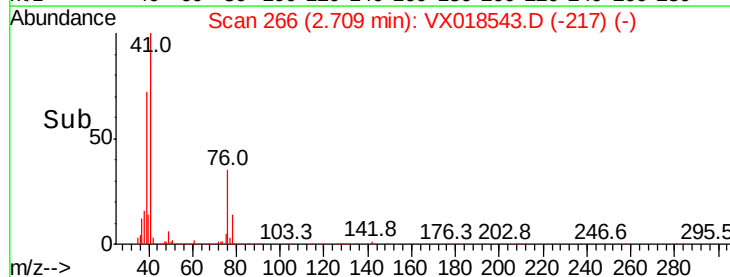
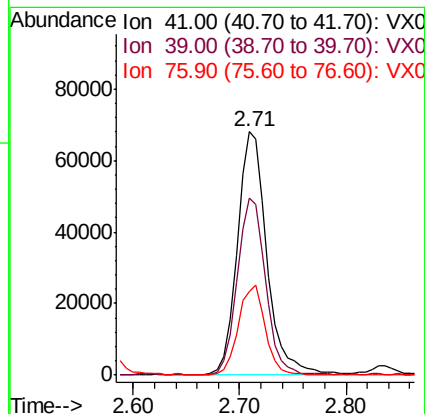
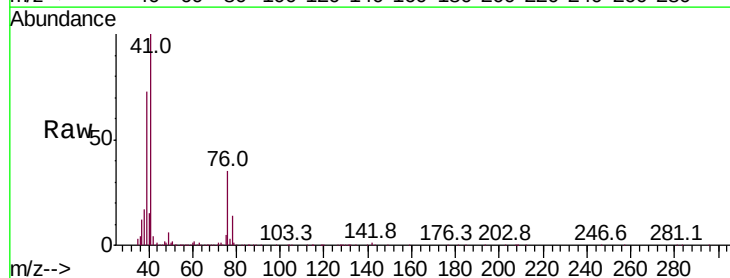
Tgt Ion: 41 Resp: 131387

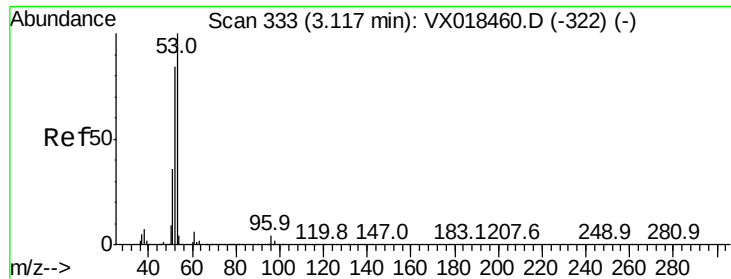
Ion Ratio Lower Upper

41 100

39 70.6 51.1 76.7

76 34.1 26.0 39.0



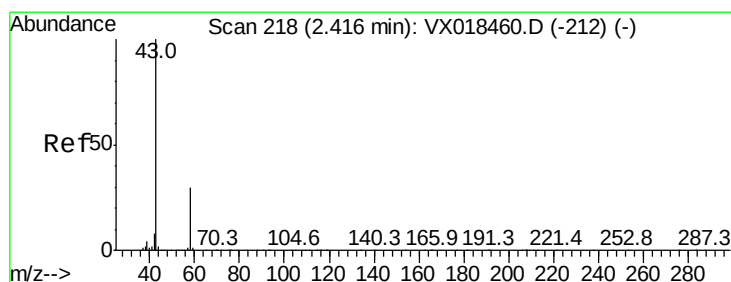
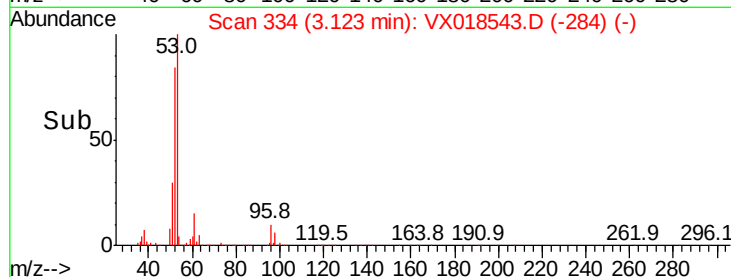
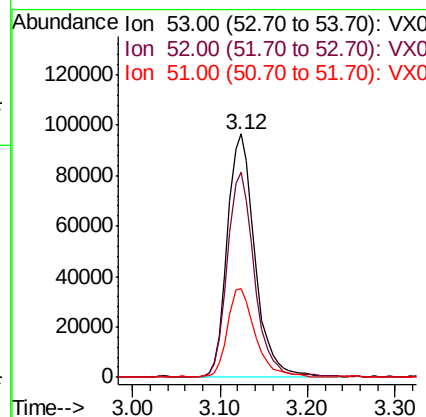
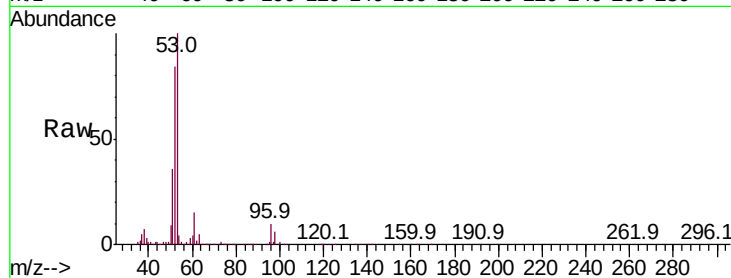


#15  
 Acrylonitrile  
 Concen: 84.262 ug/l  
 RT: 3.12 min Scan# 334  
 Delta R.T. 0.01 min  
 Lab File: VX018543.D  
 Acq: 23 Sep 2020 18:45

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0923WBS01

Tot Ion: 53 Resp: 210374  

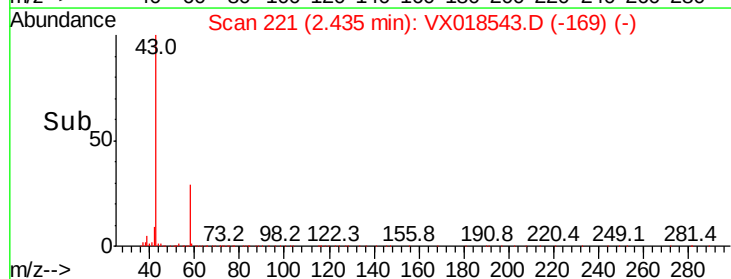
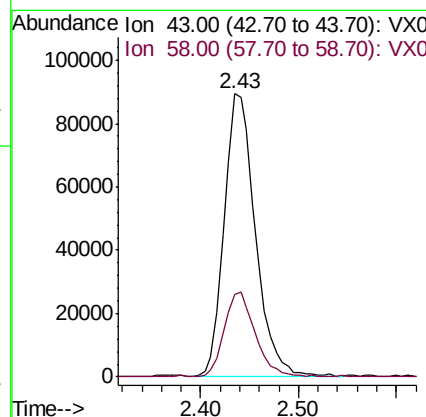
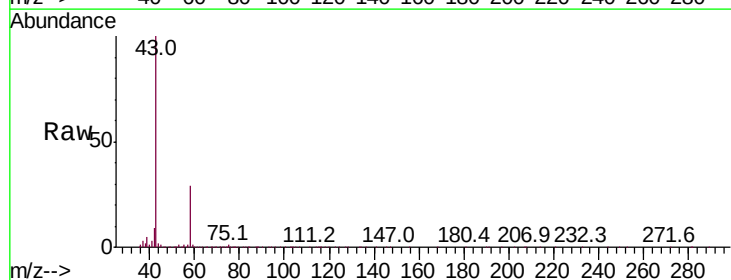
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 83.4  | 65.8  | 98.8  |
| 51  | 36.0  | 29.2  | 43.8  |

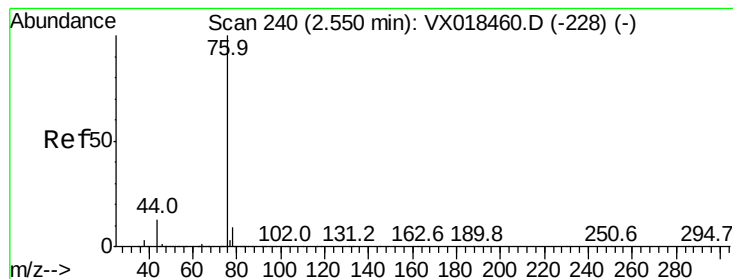


#16  
 Acetone  
 Concen: 86.407 ug/l  
 RT: 2.43 min Scan# 221  
 Delta R.T. 0.02 min  
 Lab File: VX018543.D  
 Acq: 23 Sep 2020 18:45

Tgt Ion: 43 Resp: 198726  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 28.9  | 24.0  | 36.0  |





#17

Carbon Disulfide

Concen: 17.617 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

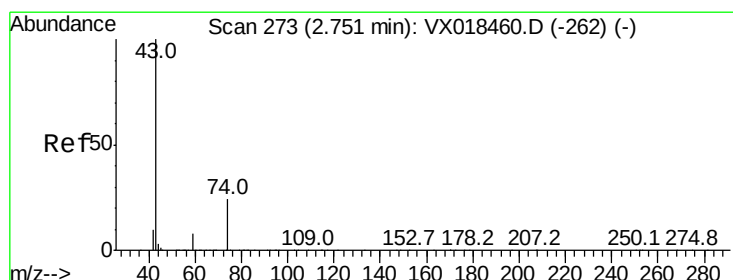
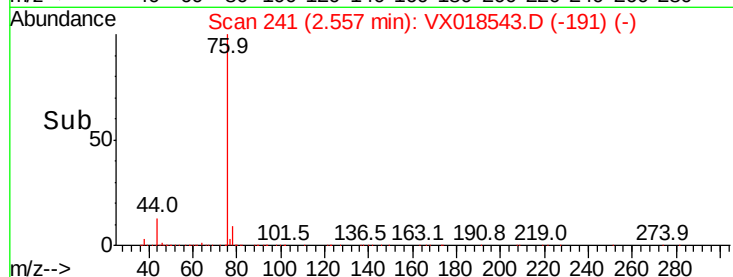
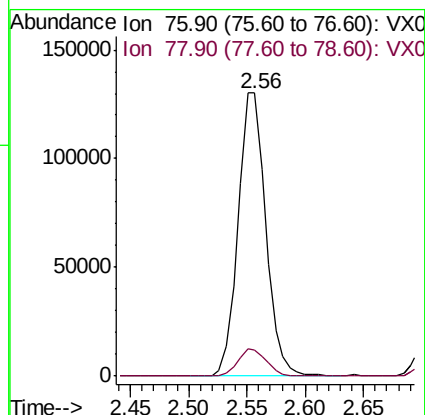
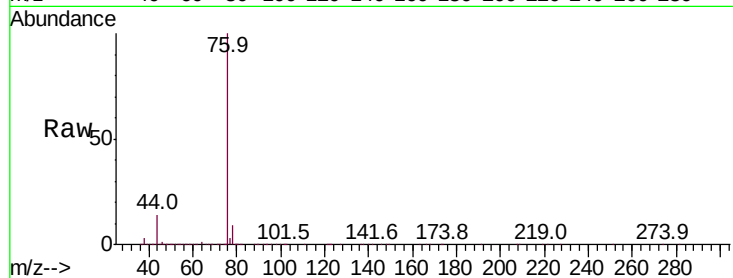
VX0923WBS01

Tot Ion: 76 Resp: 216606

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4



#18

Methyl Acetate

Concen: 17.747 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX018543.D

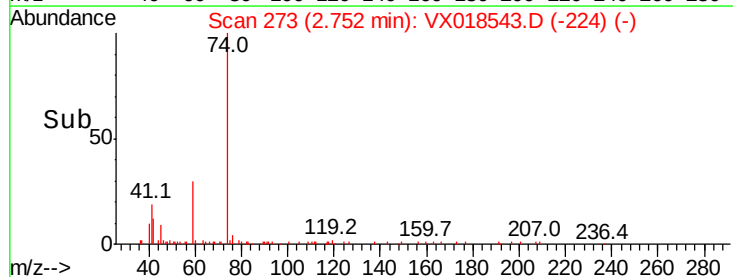
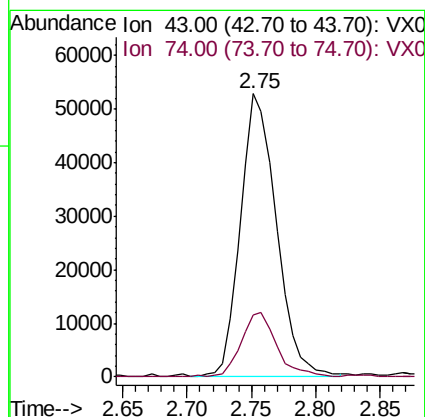
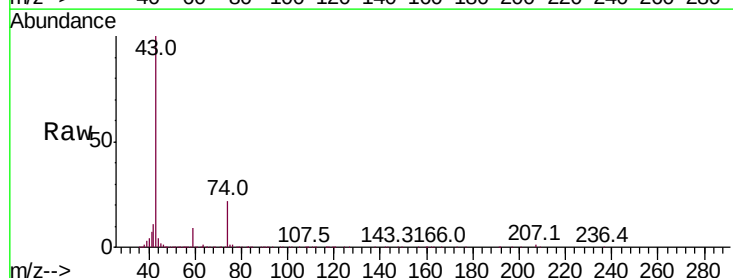
Acq: 23 Sep 2020 18:45

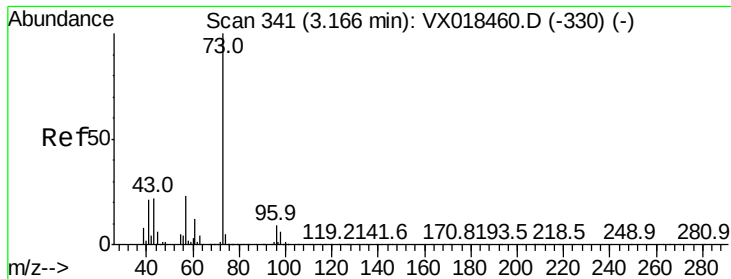
Tgt Ion: 43 Resp: 101126

Ion Ratio Lower Upper

43 100

74 23.0 18.3 27.5



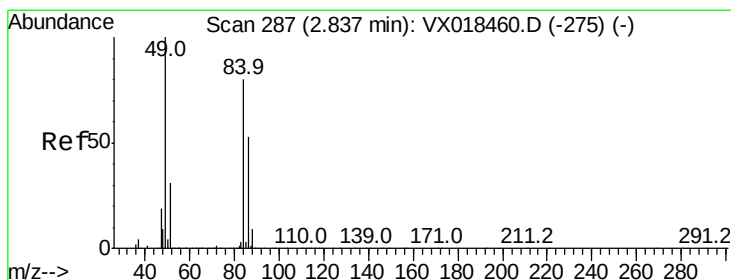
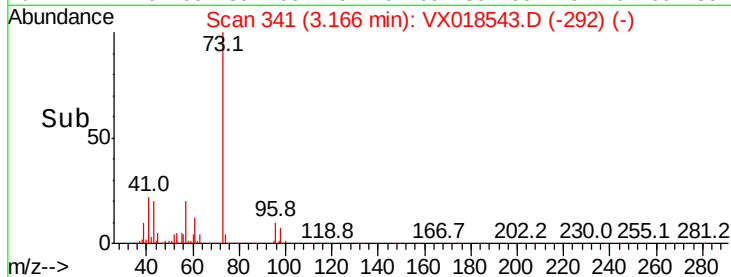
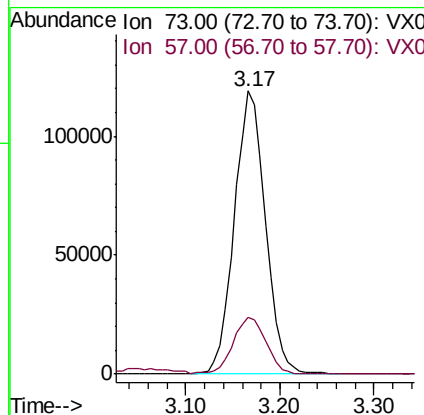
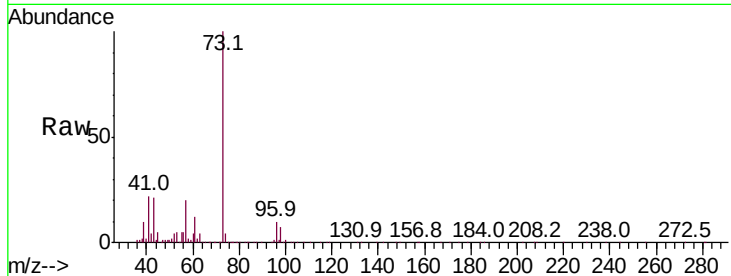


#19

Methyl tert-butyl Ether  
 Concen: 18.941 ug/l  
 RT: 3.17 min Scan# 341  
 Delta R.T. 0.00 min  
 Lab File: VX018543.D  
 Acq: 23 Sep 2020 18:45

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0923WBS01

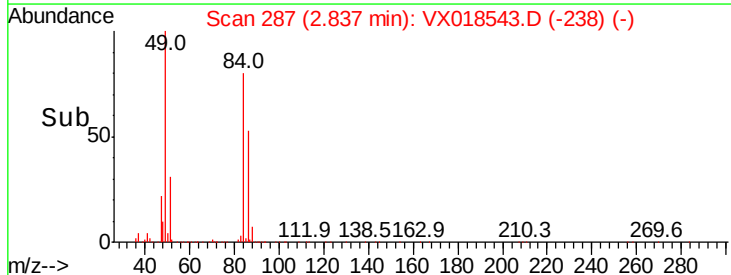
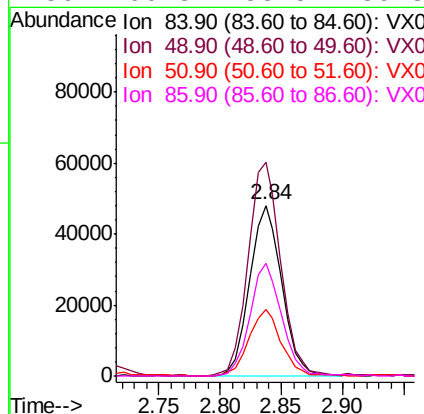
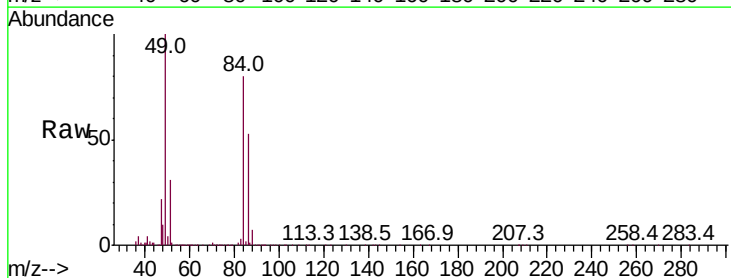
Tot Ion: 73 Resp: 273727  
 Ion Ratio Lower Upper  
 73 100  
 57 19.8 18.0 27.0

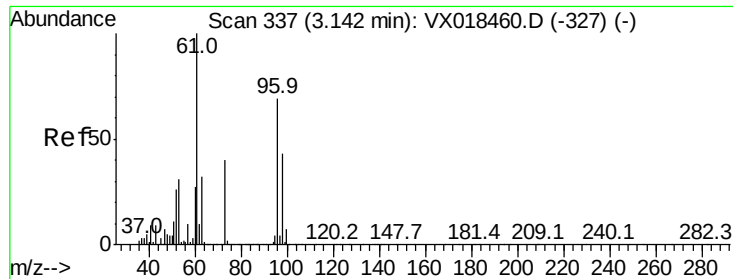


#20

Methylene Chloride  
 Concen: 17.286 ug/l  
 RT: 2.84 min Scan# 287  
 Delta R.T. 0.00 min  
 Lab File: VX018543.D  
 Acq: 23 Sep 2020 18:45

Tgt Ion: 84 Resp: 87715  
 Ion Ratio Lower Upper  
 84 100  
 49 125.1 100.6 151.0  
 51 38.9 30.9 46.3  
 86 66.3 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 17.640 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

VX0923WBS01

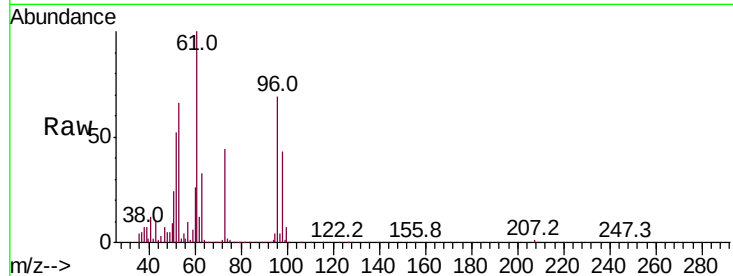
Tot Ion: 96 Resp: 84402

Ion Ratio Lower Upper

96 100

61 144.8 115.6 173.4

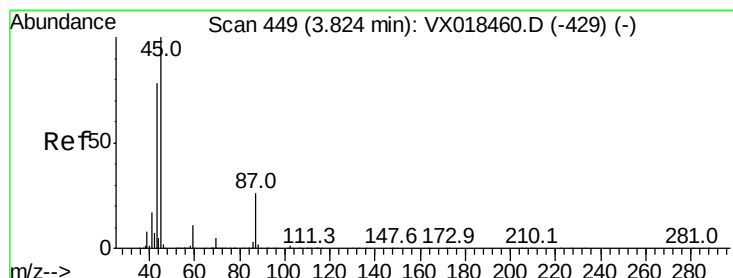
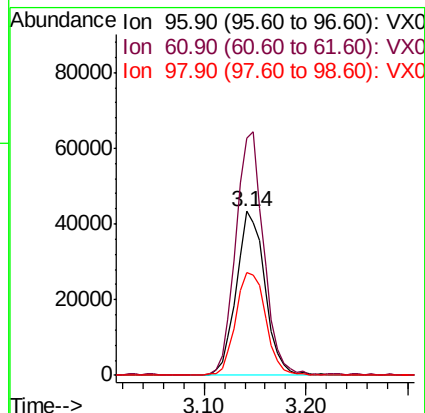
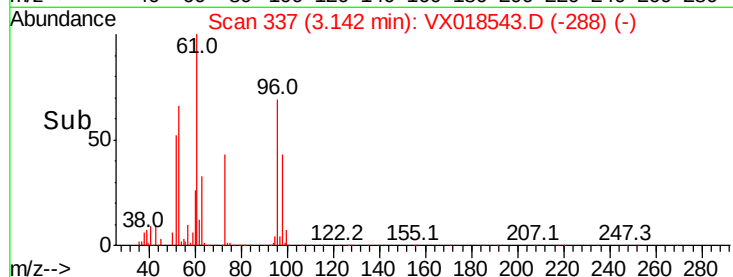
98 62.5 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 18.111 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Tgt Ion: 45 Resp: 271583

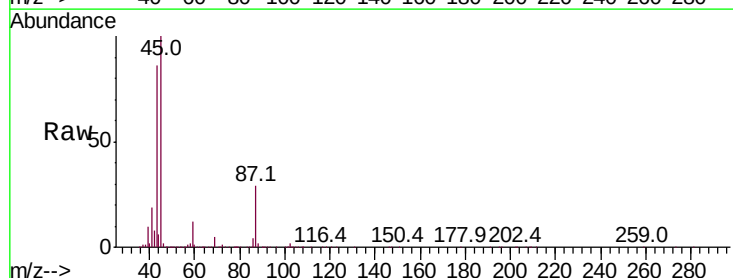
Ion Ratio Lower Upper

45 100

43 84.3 62.4 93.6

87 28.9 21.2 31.8

59 12.0 8.9 13.3

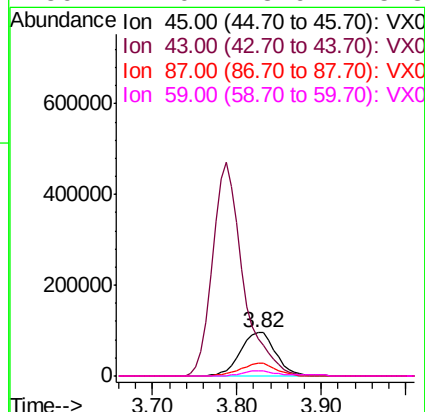
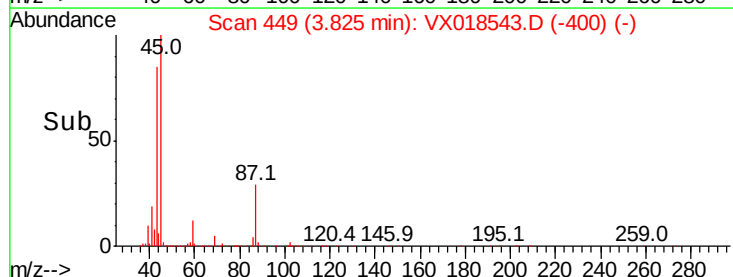


Abundance Ion 45.00 (44.70 to 45.70): VX0

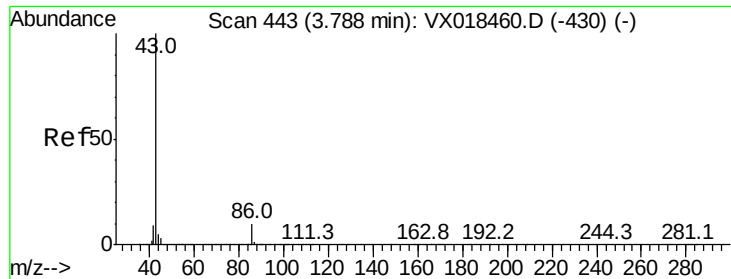
Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0







#23

Vinyl Acetate

Concen: 89.033 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

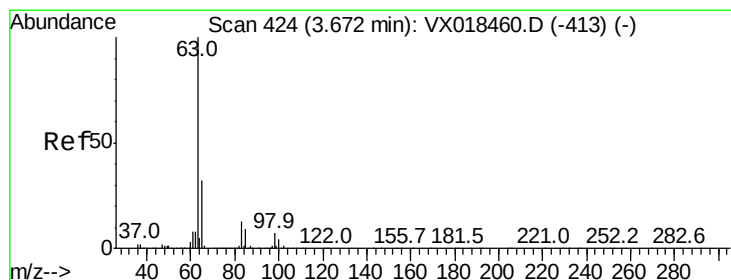
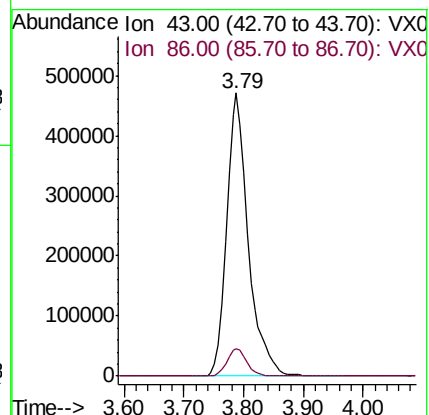
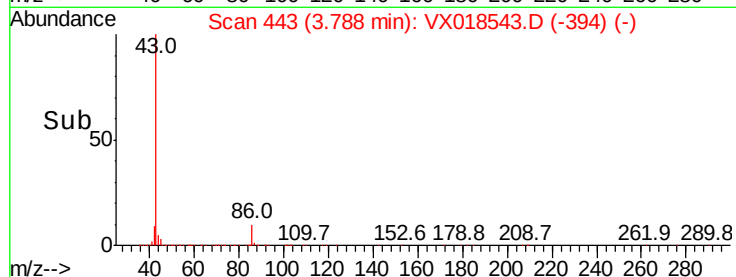
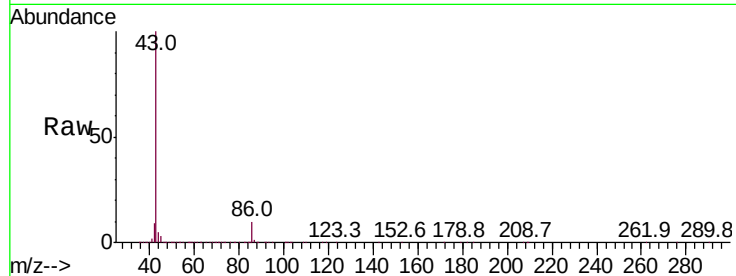
VX0923WBS01

Tot Ion: 43 Resp: 1183080

Ion Ratio Lower Upper

43 100

86 9.8 8.1 12.1



#24

1,1-Dichloroethane

Concen: 18.033 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

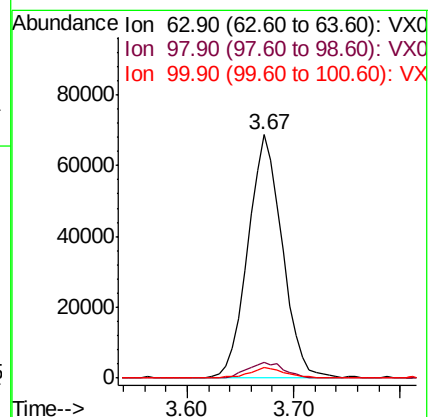
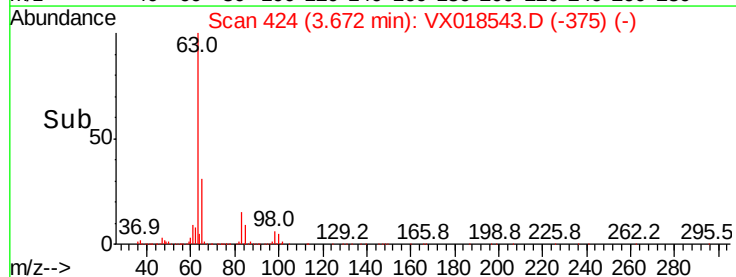
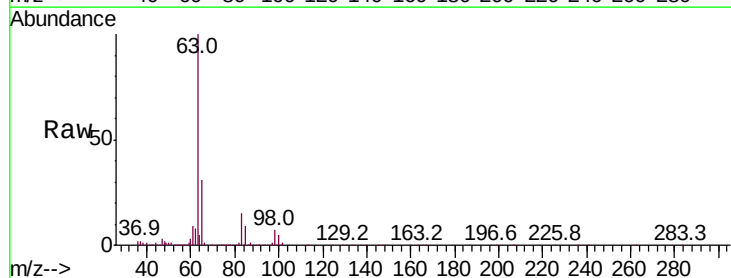
Tgt Ion: 63 Resp: 155950

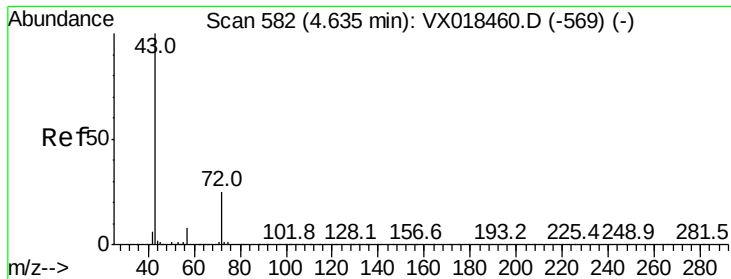
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.6

100 4.6 1.9 5.7





#25

2-Butanone

Concen: 82.584 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

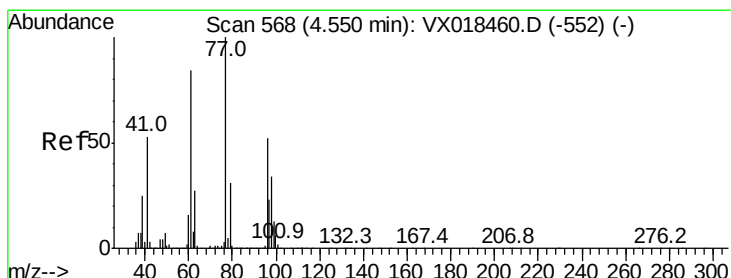
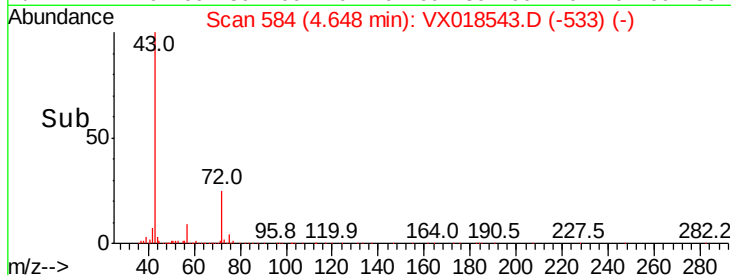
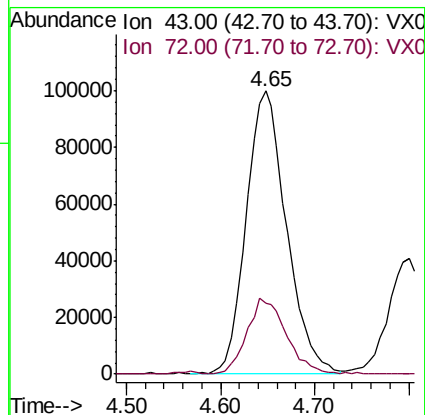
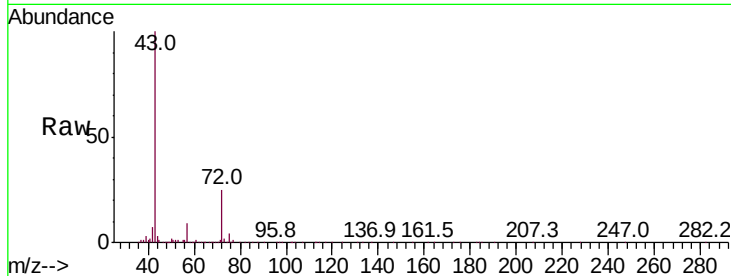
VX0923WBS01

Tot Ion: 43 Resp: 295777

Ion Ratio Lower Upper

43 100

72 24.8 20.2 30.4



#26

2,2-Dichloropropane

Concen: 18.367 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX018543.D

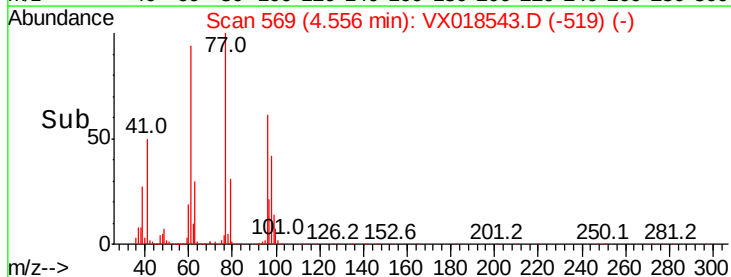
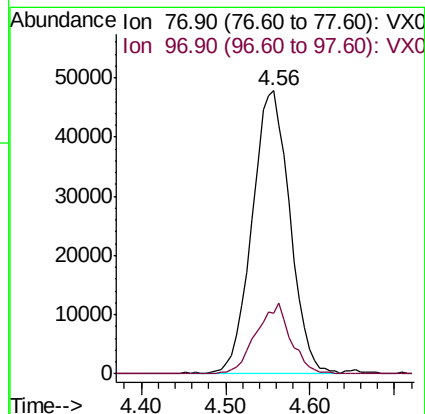
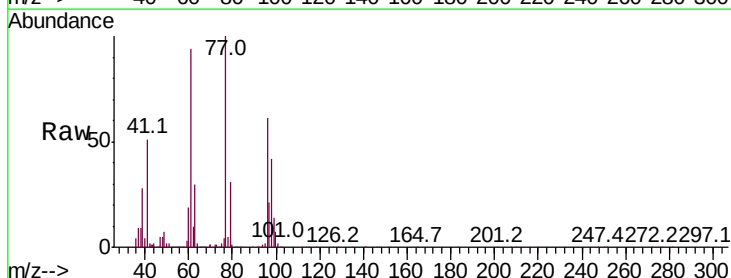
Acq: 23 Sep 2020 18:45

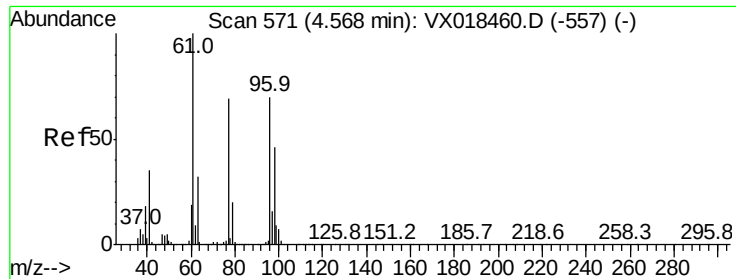
Tgt Ion: 77 Resp: 146760

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.5



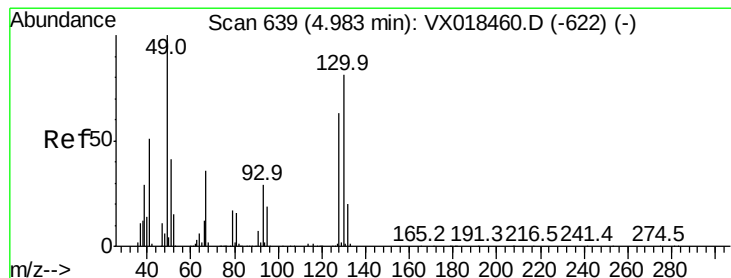
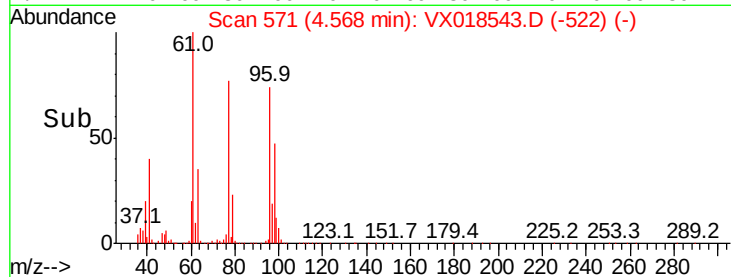
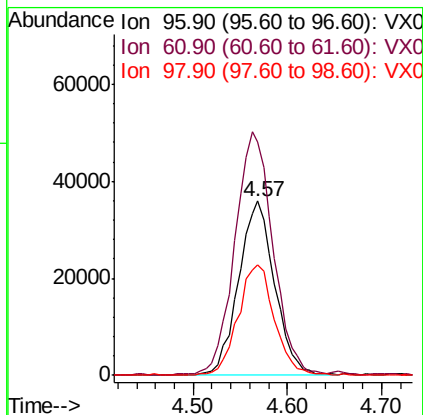
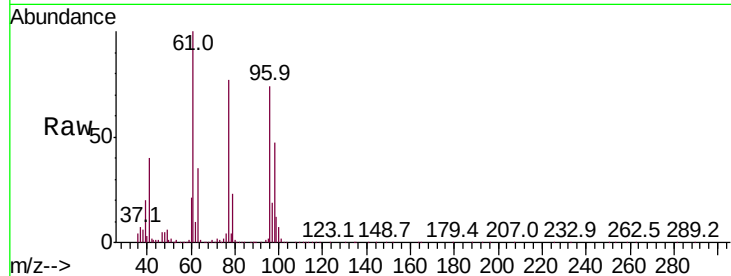


#27

cis-1,2-Dichloroethene  
 Concen: 17.934 ug/l  
 RT: 4.57 min Scan# 571  
 Delta R.T. 0.00 min  
 Lab File: VX018543.D  
 Acq: 23 Sep 2020 18:45

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0923WBS01

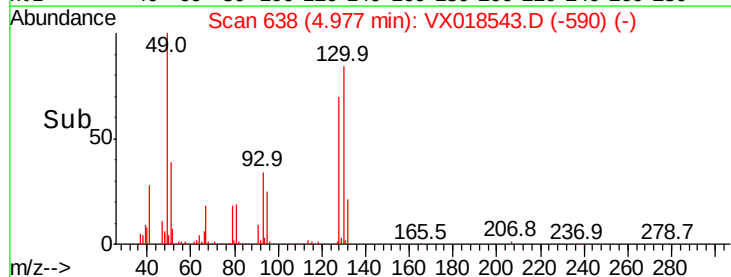
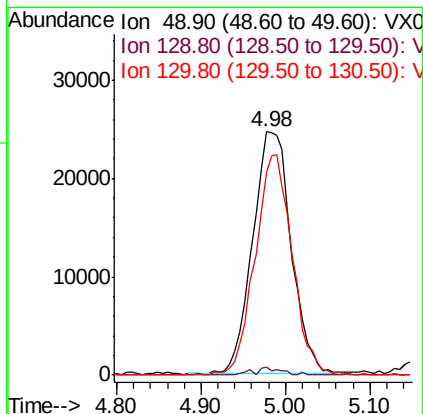
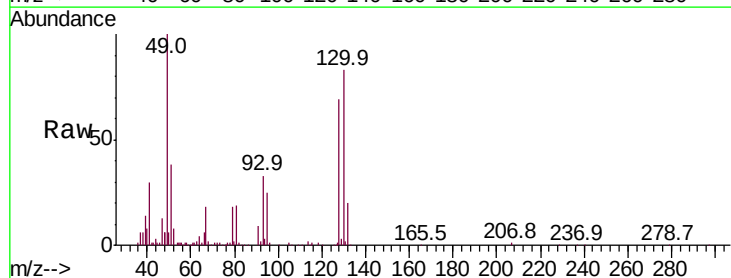
| Tot Ion | 96    | Resp  | 96175 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 96      | 100   |       |       |
| 61      | 148.2 | 0.0   | 300.0 |
| 98      | 64.4  | 0.0   | 130.4 |

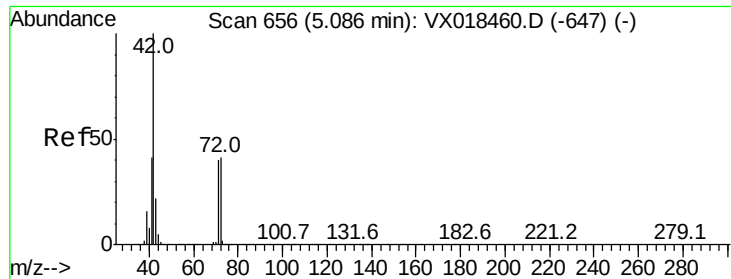


#28

Bromochloromethane  
 Concen: 19.078 ug/l  
 RT: 4.98 min Scan# 638  
 Delta R.T. -0.01 min  
 Lab File: VX018543.D  
 Acq: 23 Sep 2020 18:45

| Tgt Ion | 49    | Resp  | 77205 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 49      | 100   |       |       |
| 129     | 2.0   | 0.0   | 4.6   |
| 130     | 87.8  | 65.0  | 97.4  |





#29

Tetrahydrofuran

Concen: 81.241 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

VX0923WBS01

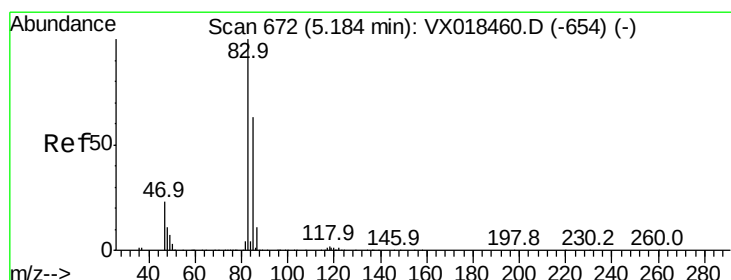
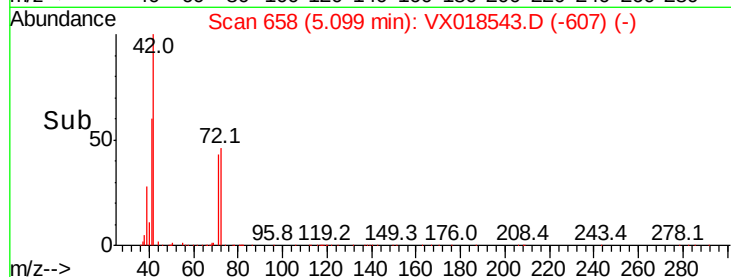
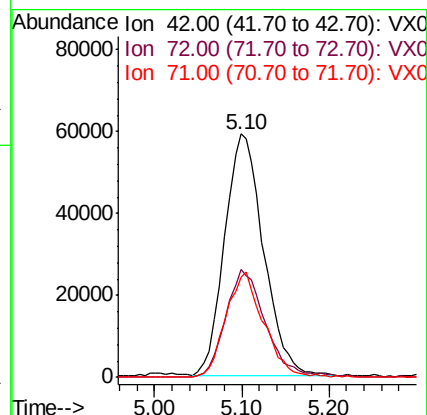
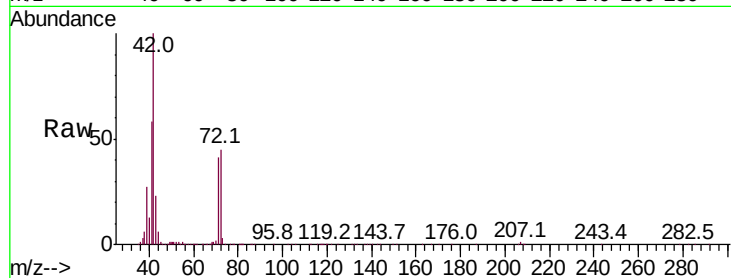
Tot Ion: 42 Resp: 183392

Ion Ratio Lower Upper

42 100

72 45.9 34.3 51.5

71 42.1 32.1 48.1



#30

Chloroform

Concen: 19.404 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.01 min

Lab File: VX018543.D

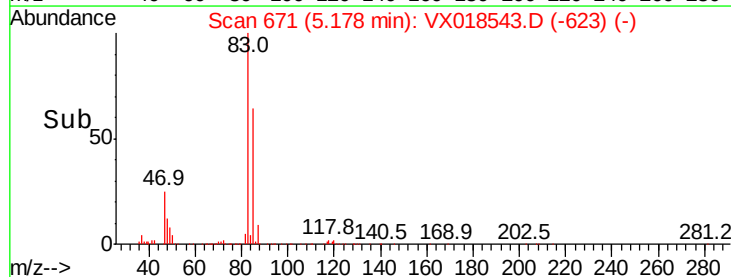
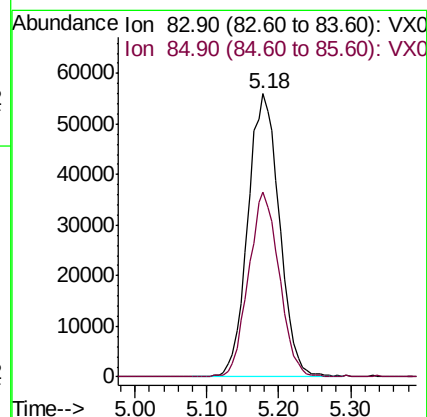
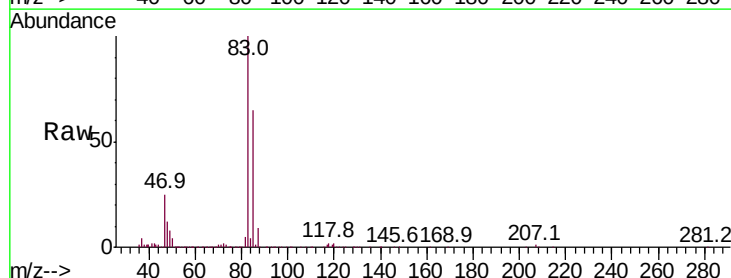
Acq: 23 Sep 2020 18:45

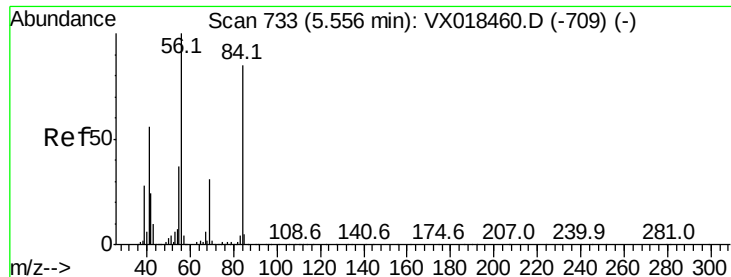
Tgt Ion: 83 Resp: 170262

Ion Ratio Lower Upper

83 100

85 65.0 50.6 76.0

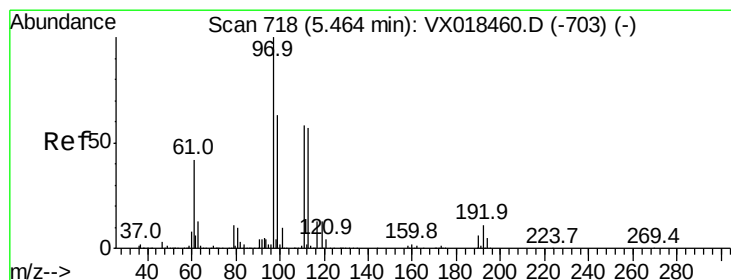
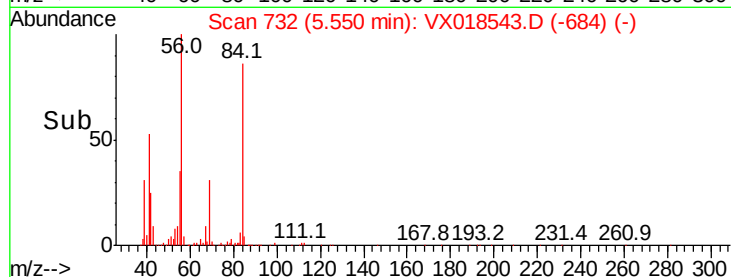
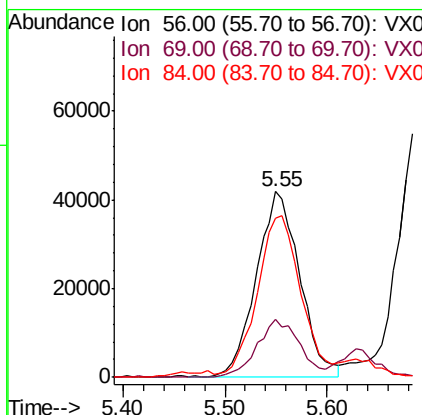
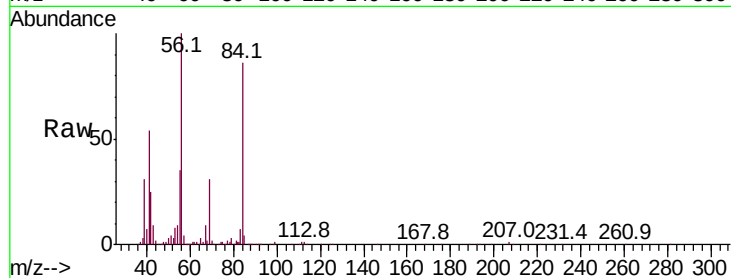




#31  
Cyclohexane  
Concen: 16.933 ug/l  
RT: 5.55 min Scan# 732  
Delta R.T. -0.01 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

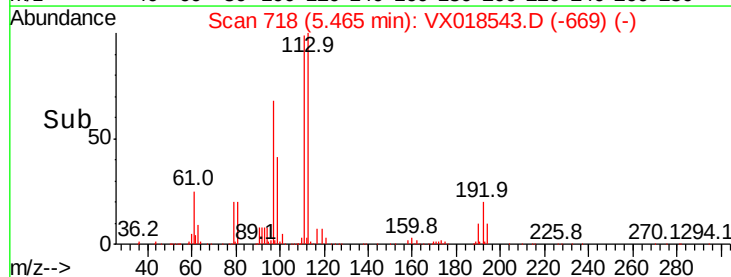
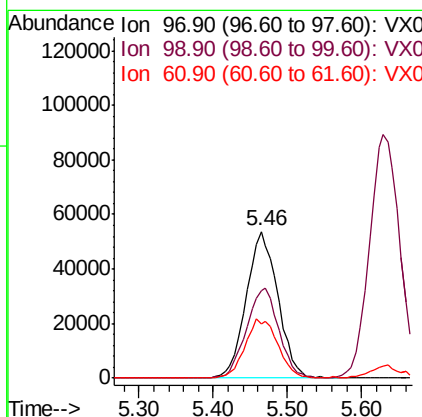
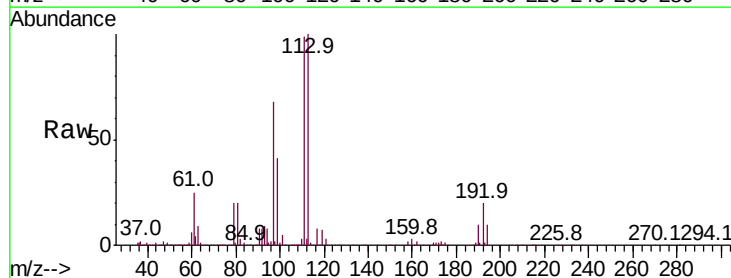
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0923WBS01

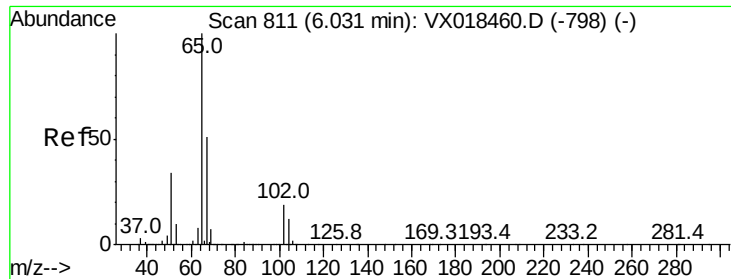
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.3  | 24.8  | 37.2  |
| 84      | 83.8  | 67.6  | 101.4 |



#32  
1,1,1-Trichloroethane  
Concen: 19.412 ug/l  
RT: 5.46 min Scan# 718  
Delta R.T. 0.00 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 62.9  | 50.5  | 75.7  |
| 61      | 42.3  | 33.4  | 50.2  |

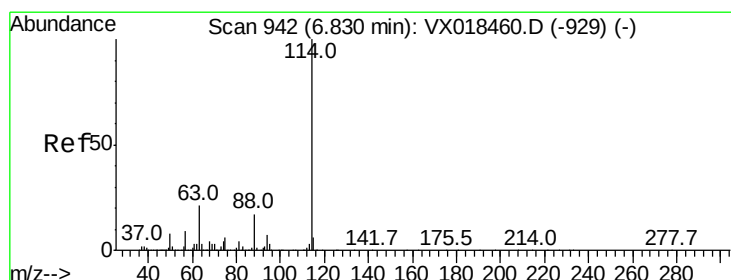
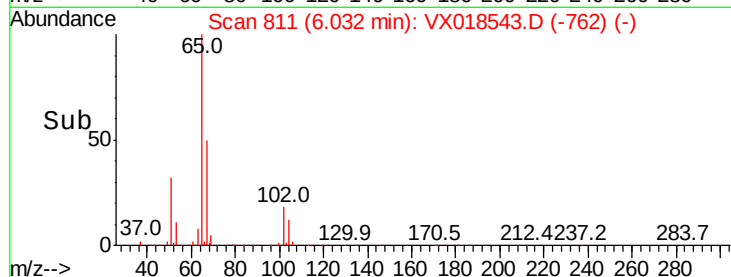
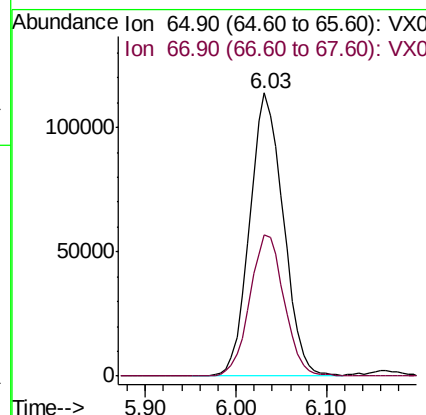
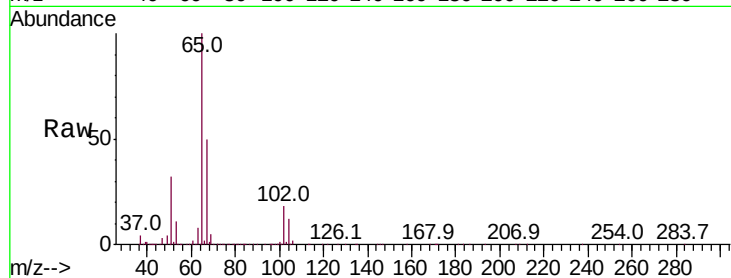




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.702 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. 0.00 min  
 Lab File: VX018543.D  
 Acq: 23 Sep 2020 18:45

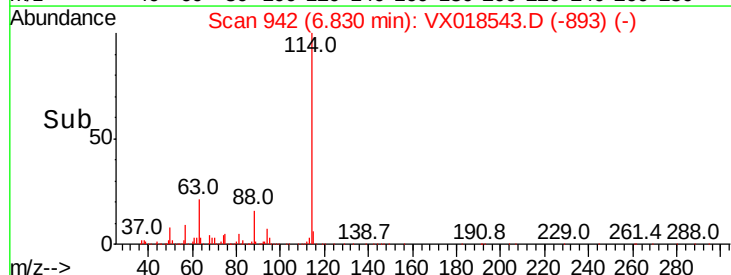
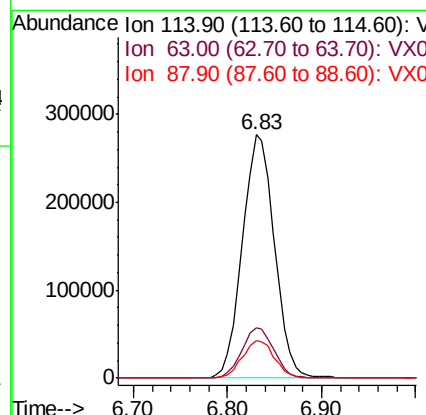
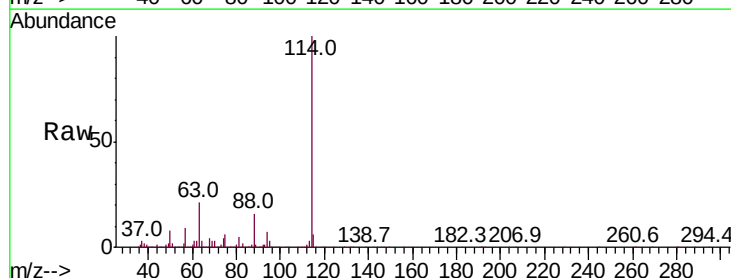
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0923WBS01

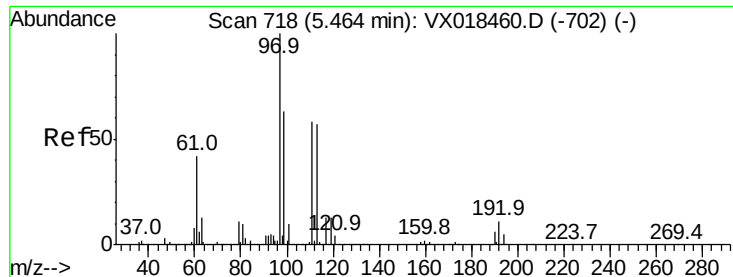
Tot Ion: 65 Resp: 292882  
 Ion Ratio Lower Upper  
 65 100  
 67 51.0 0.0 105.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. 0.00 min  
 Lab File: VX018543.D  
 Acq: 23 Sep 2020 18:45

Tgt Ion: 114 Resp: 654720  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 0.0 42.8  
 88 15.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.139 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

VX0923WBS01

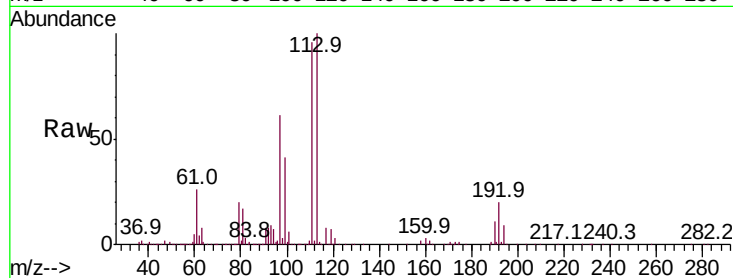
Tot Ion:113 Resp: 226936

Ion Ratio Lower Upper

113 100

111 100.7 81.4 122.2

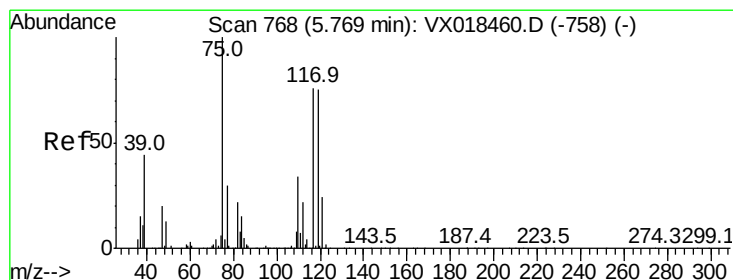
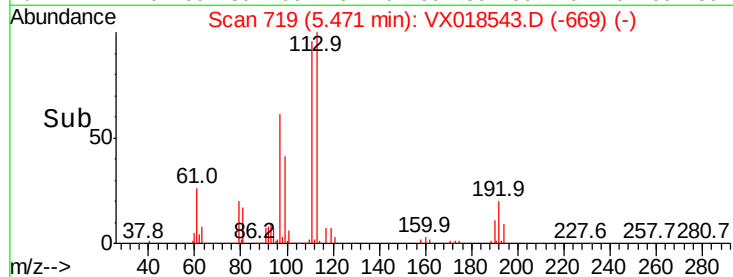
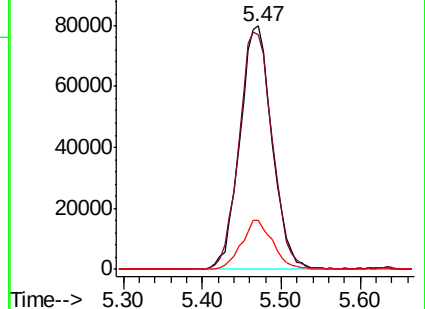
192 19.4 16.6 24.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.325 ug/l

RT: 5.77 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

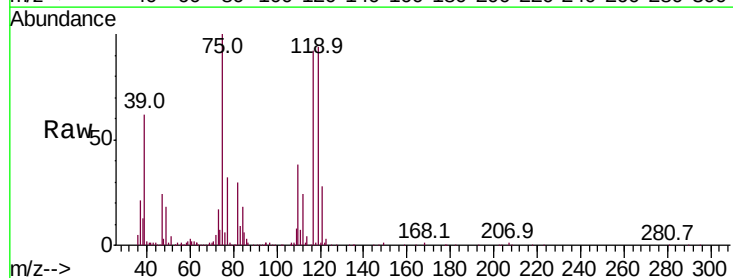
Tgt Ion: 75 Resp: 116448

Ion Ratio Lower Upper

75 100

110 36.3 17.6 52.8

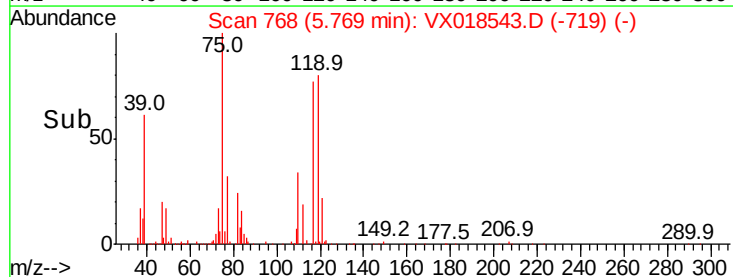
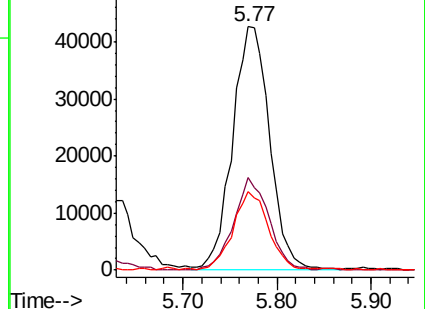
77 30.2 25.0 37.6

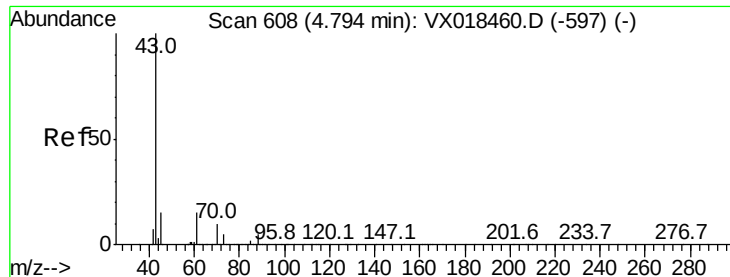


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

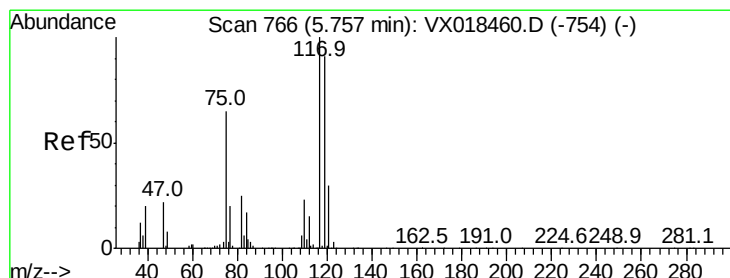
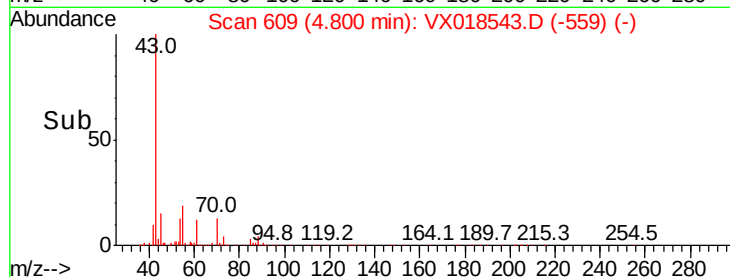
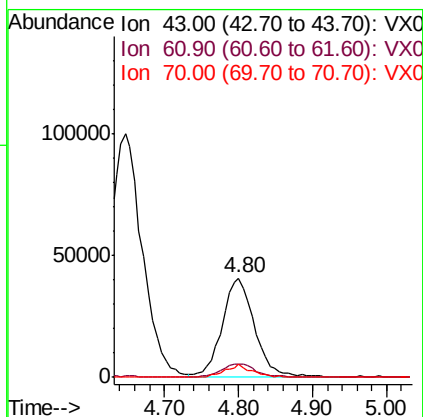
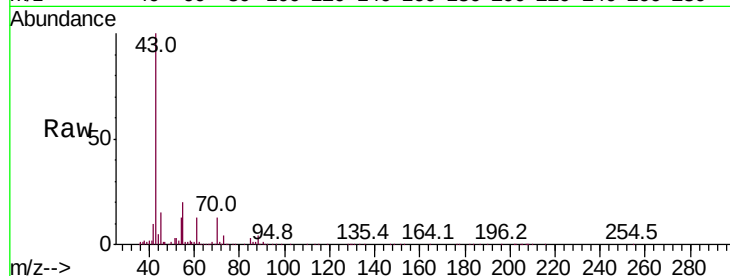




#37  
Ethyl Acetate  
Concen: 17.842 ug/l  
RT: 4.80 min Scan# 609  
Delta R.T. 0.01 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

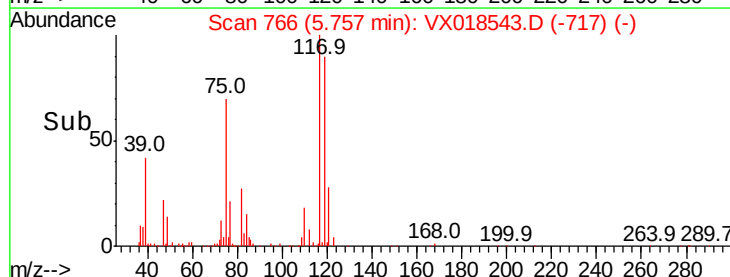
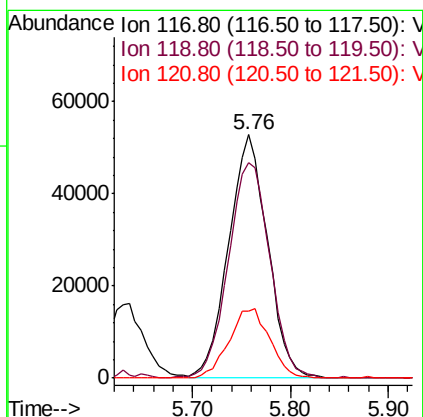
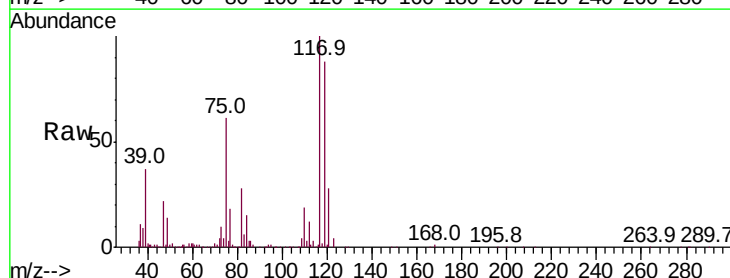
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0923WBS01

Tot Ion: 43 Resp: 121074  
Ion Ratio Lower Upper  
43 100  
61 14.1 10.9 16.3  
70 10.7 8.3 12.5

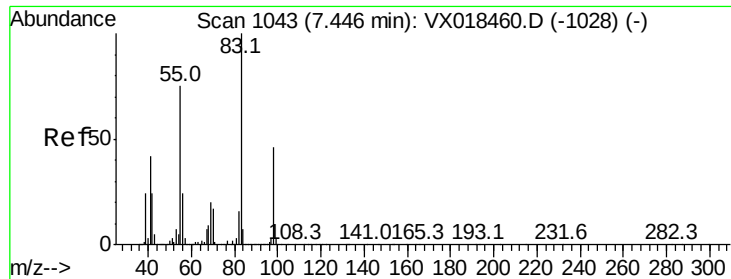


#38  
Carbon Tetrachloride  
Concen: 20.726 ug/l  
RT: 5.76 min Scan# 766  
Delta R.T. 0.00 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

Tgt Ion: 117 Resp: 145865  
Ion Ratio Lower Upper  
117 100  
119 88.3 72.3 108.5  
121 27.7 23.8 35.8



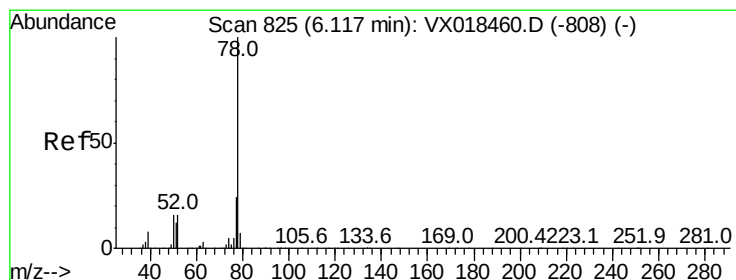
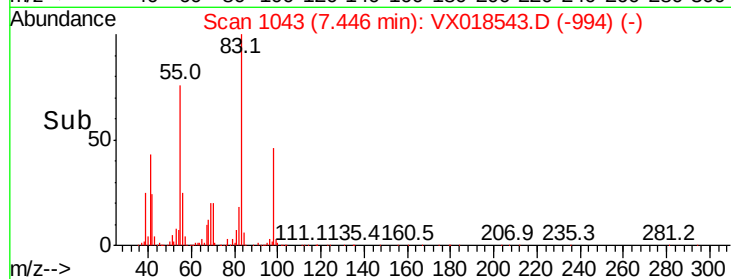
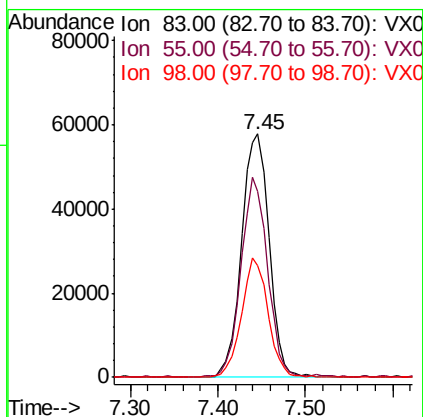
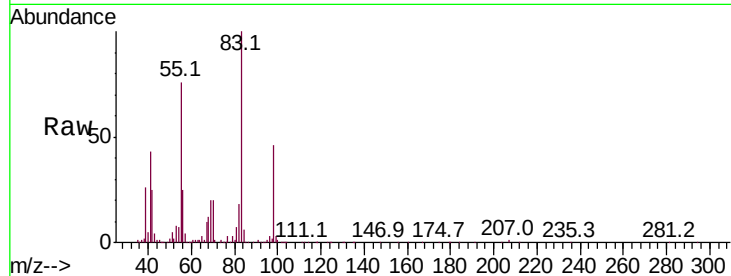




#39  
Methylvlcyclohexane  
Concen: 17.736 ug/l  
RT: 7.45 min Scan# 1043  
Delta R.T. 0.00 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

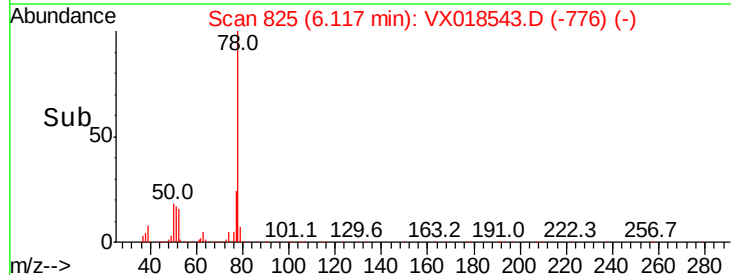
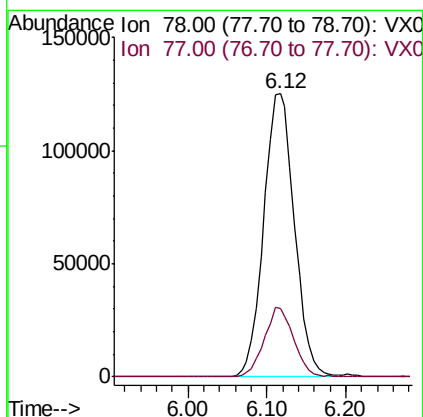
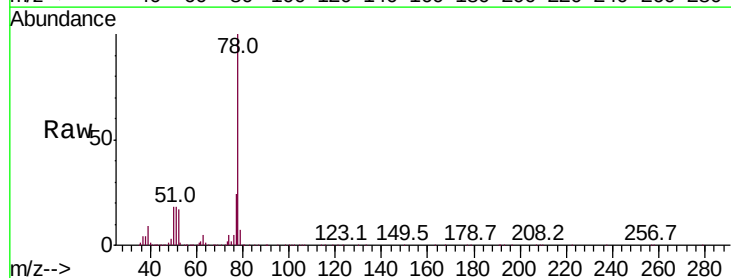
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0923WBS01

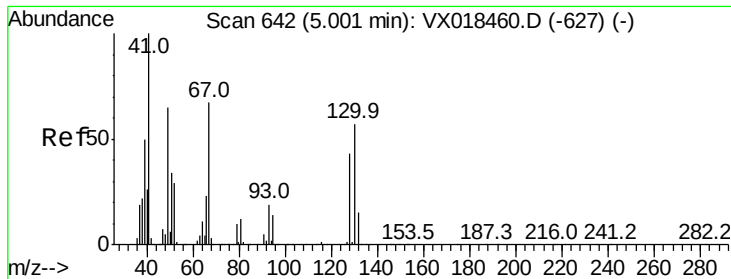
| Tot Ion   | 83   | Resp | 126624 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 60.2 |      |        |
| Upper     | 90.4 |      |        |
| 55        | 75.9 |      |        |
| 98        | 46.0 |      |        |
|           | 36.4 |      |        |



#40  
Benzene  
Concen: 18.569 ug/l  
RT: 6.12 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

| Tgt Ion   | 78   | Resp | 338171 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 19.0 |      |        |
| Upper     | 28.4 |      |        |
| 77        | 23.9 |      |        |





#41

Methacrylonitrile

Concen: 17.898 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampled :

VX0923WBS01

Tot Ion: 41 Resp: 67486

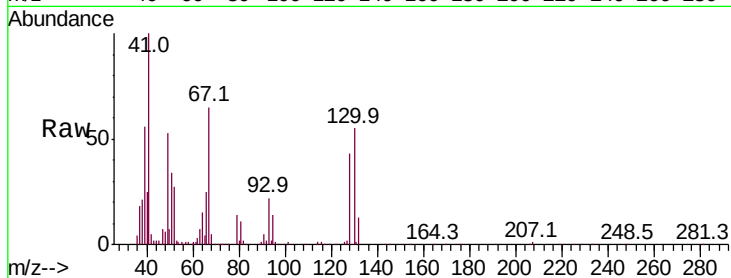
Ion Ratio Lower Upper

41 100

39 53.6 45.3 67.9

67 68.1 56.7 85.1

52 30.5 23.4 35.0

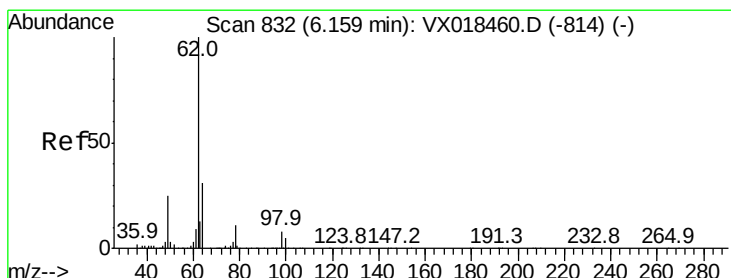
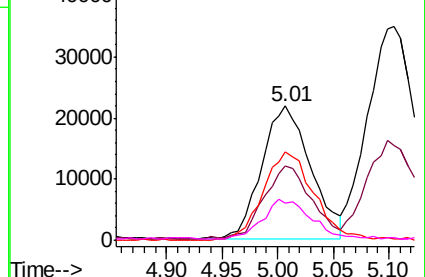
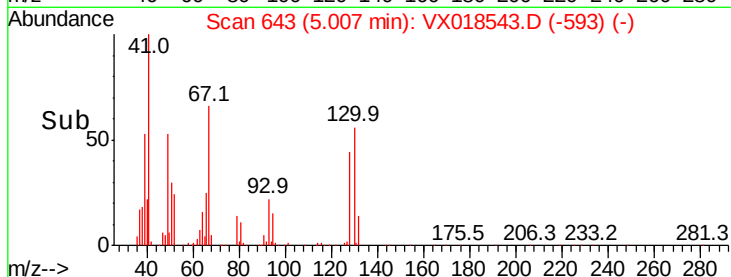


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.375 ug/l

RT: 6.16 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX018543.D

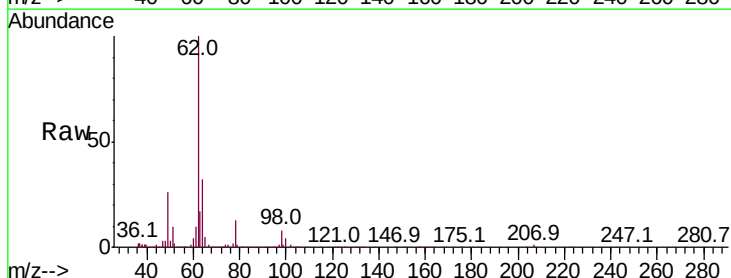
Acq: 23 Sep 2020 18:45

Tgt Ion: 62 Resp: 144355

Ion Ratio Lower Upper

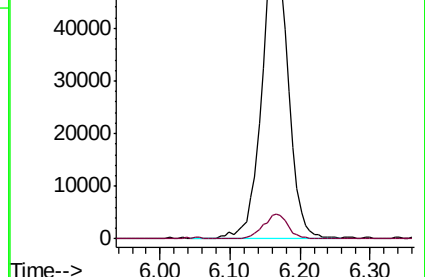
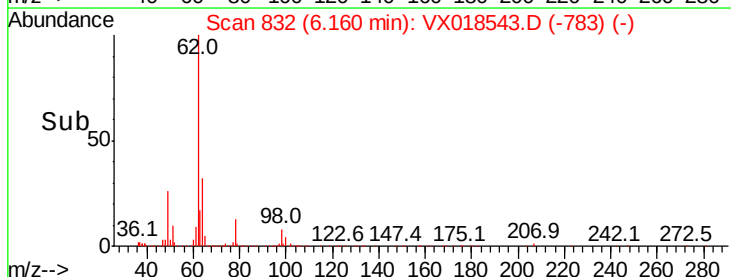
62 100

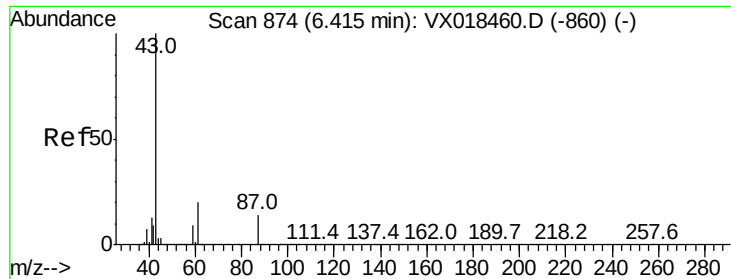
98 8.2 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 17.327 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampled :

VX0923WBS01

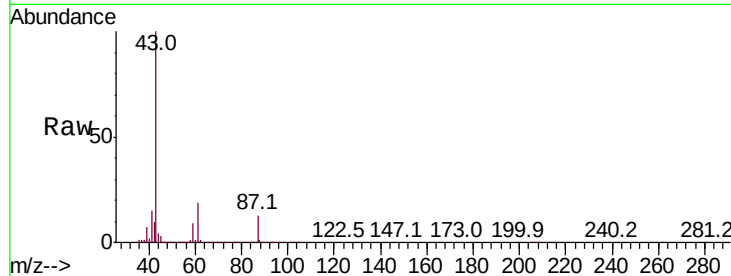
Tot Ion: 43 Resp: 195120

Ion Ratio Lower Upper

43 100

61 19.7 15.7 23.5

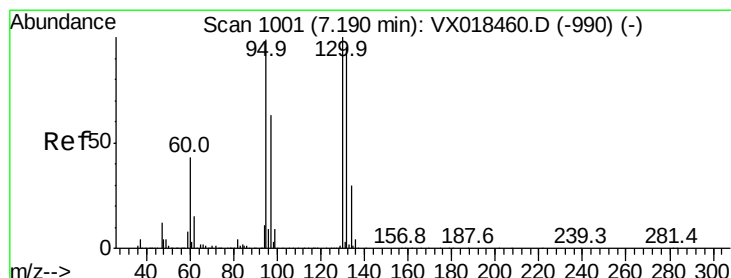
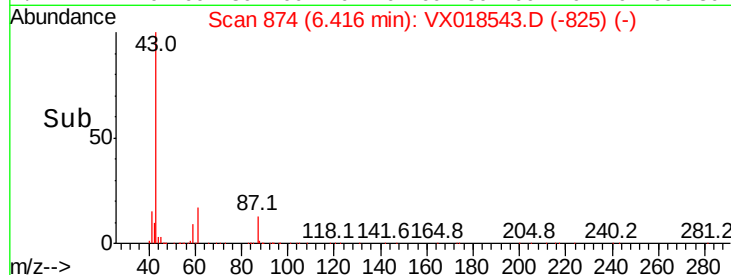
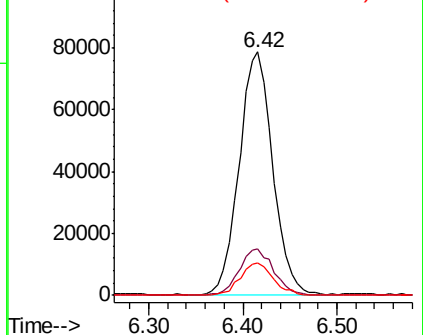
87 13.3 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 18.467 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018543.D

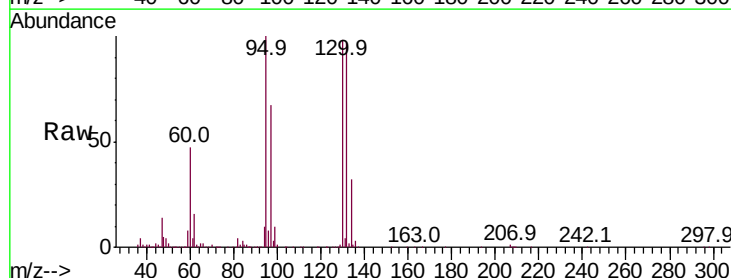
Acq: 23 Sep 2020 18:45

Tgt Ion:130 Resp: 97360

Ion Ratio Lower Upper

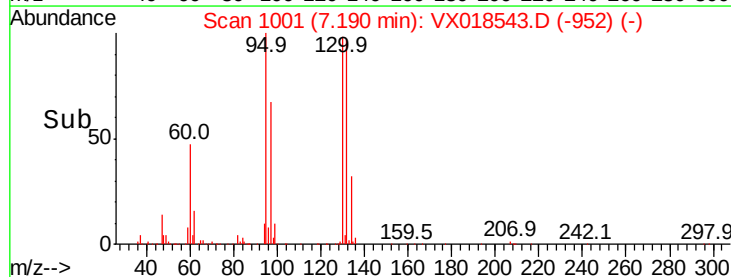
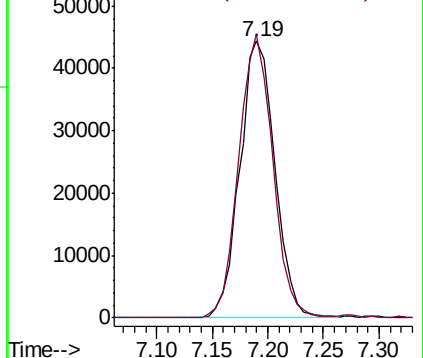
130 100

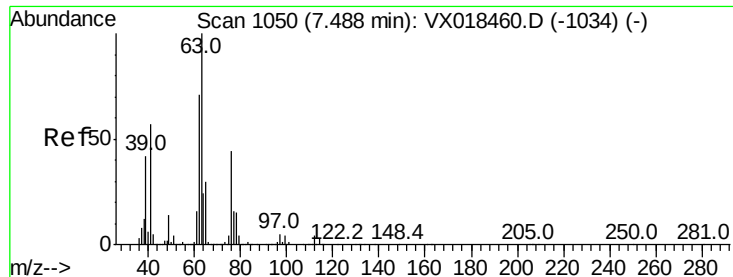
95 102.2 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 18.360 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

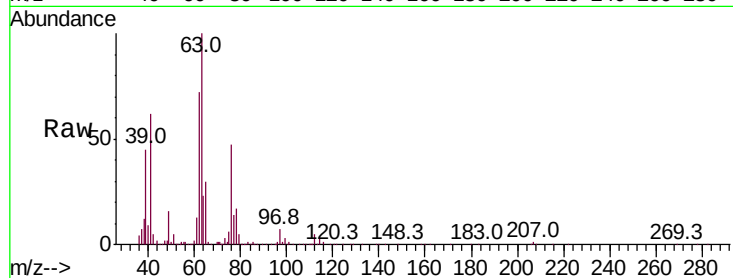
VX0923WBS01

Tot Ion: 63 Resp: 91775

Ion Ratio Lower Upper

63 100

65 29.8 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

40000

30000

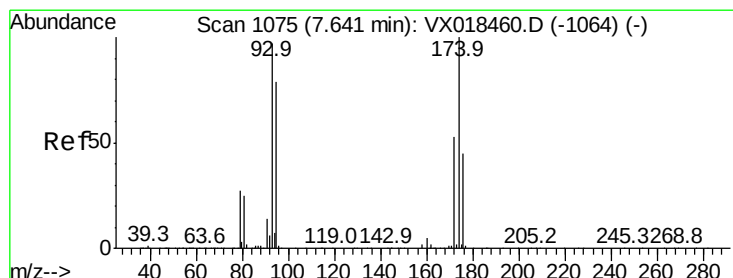
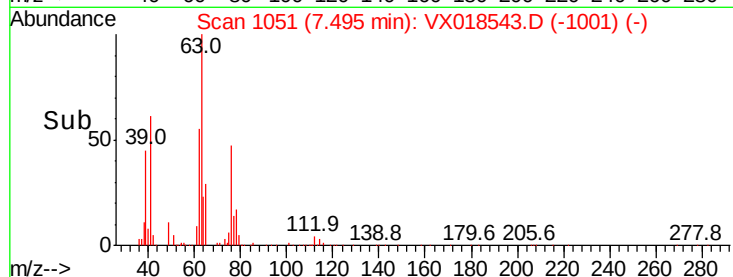
20000

10000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 19.267 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

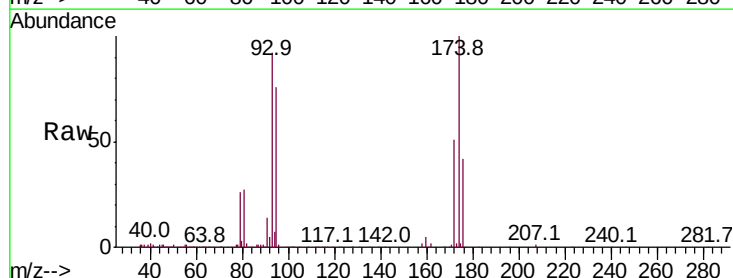
Tgt Ion: 93 Resp: 66168

Ion Ratio Lower Upper

93 100

95 81.8 65.0 97.4

174 103.1 82.0 123.0



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.64

40000

30000

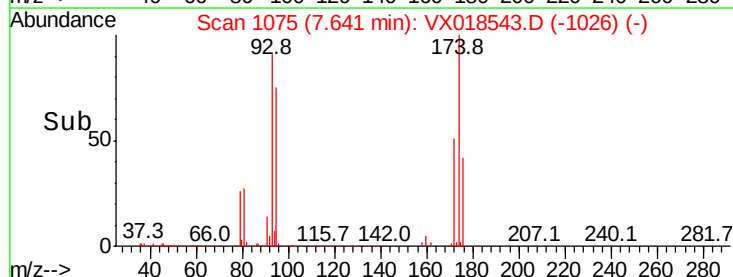
20000

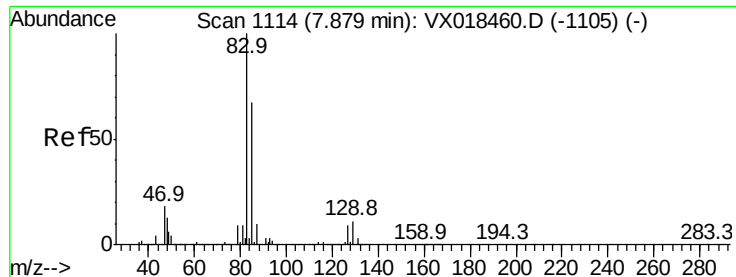
10000

0

Time-->

7.55 7.60 7.65 7.70 7.75





#47

Bromodichloromethane

Concen: 19.763 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

VX0923WBS01

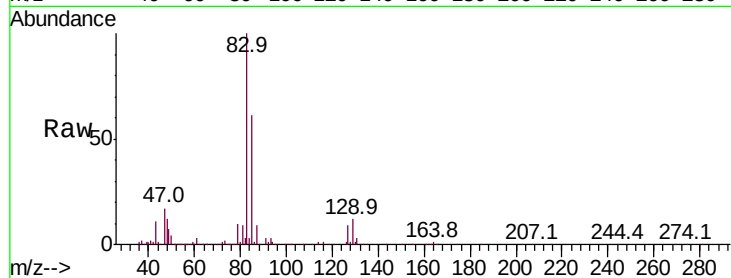
Tot Ion: 83 Resp: 136786

Ion Ratio Lower Upper

83 100

85 61.0 53.3 79.9

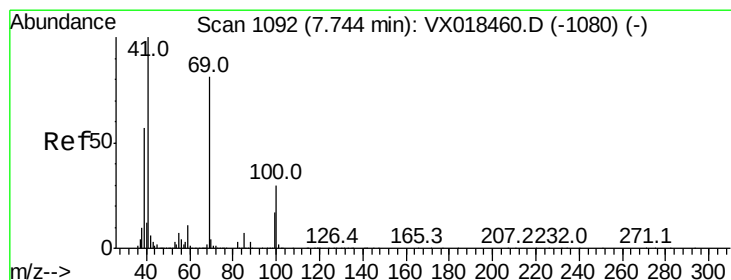
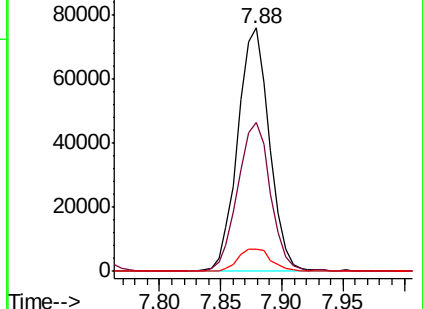
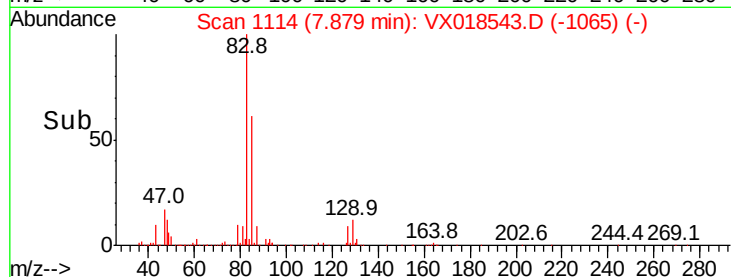
127 9.2 7.4 11.2



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: 16.829 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

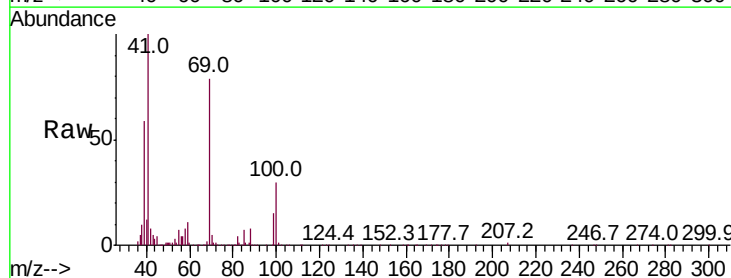
Tgt Ion: 41 Resp: 92239

Ion Ratio Lower Upper

41 100

69 82.9 63.7 95.5

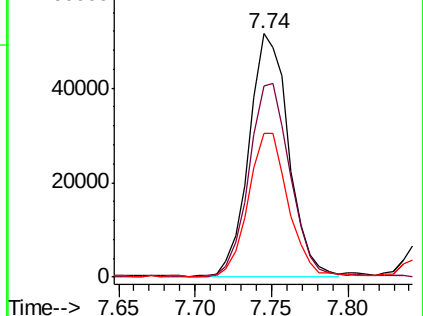
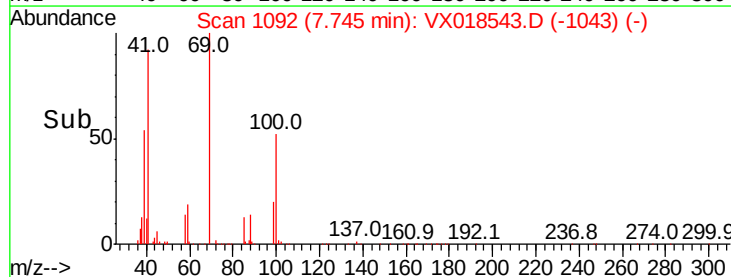
39 59.3 45.0 67.4

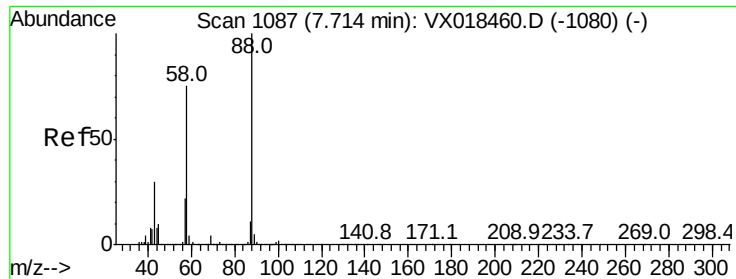


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 314.921 ug/l

RT: 7.76 min Scan# 1095

Delta R.T. 0.05 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

VX0923WBS01

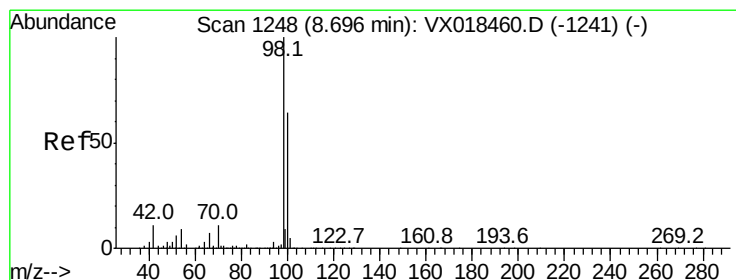
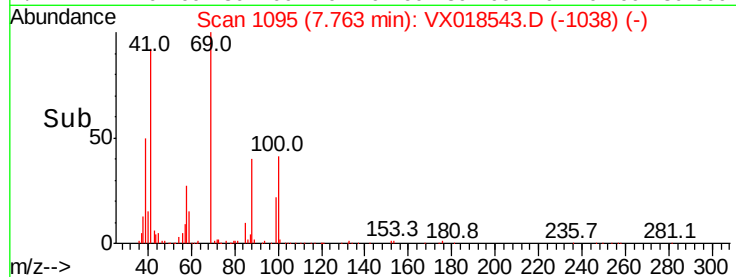
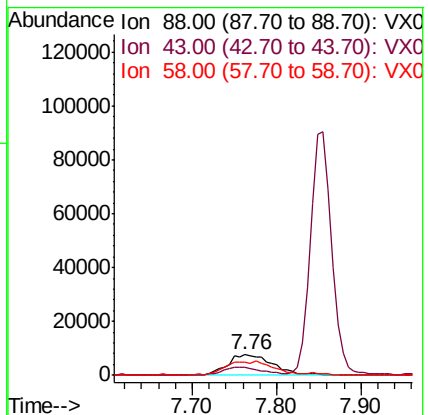
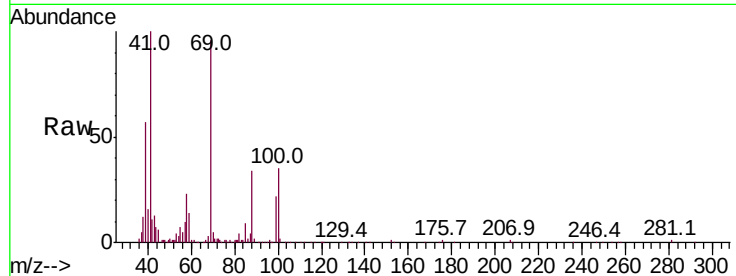
Tot Ion: 88 Resp: 28521

Ion Ratio Lower Upper

88 100

43 0.0 29.9 44.9#

58 71.1 59.0 88.6



#50

Toluene-d8

Concen: 48.396 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018543.D

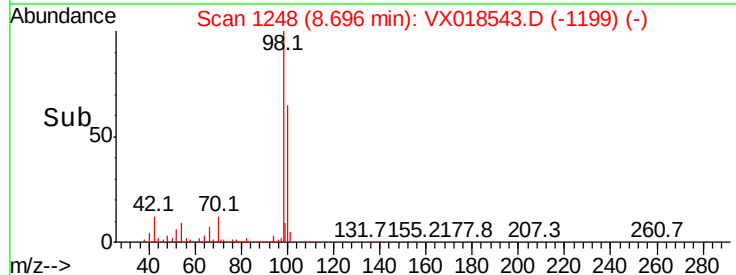
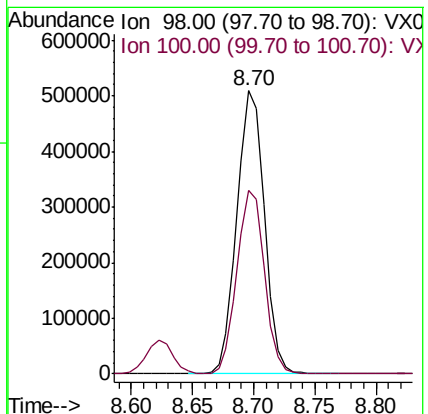
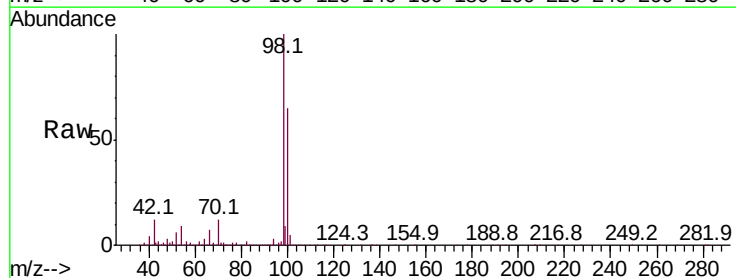
Acq: 23 Sep 2020 18:45

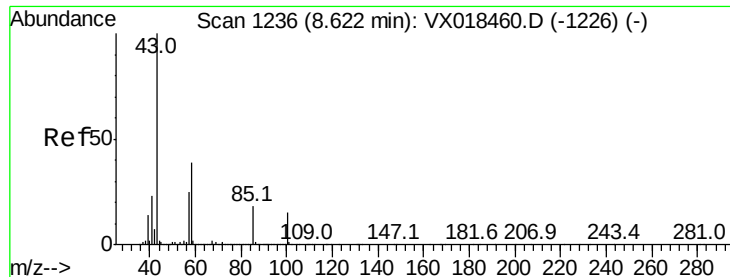
Tgt Ion: 98 Resp: 795880

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 90.936 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

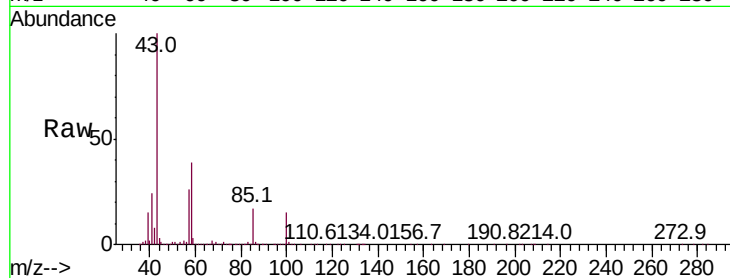
VX0923WBS01

Tot Ion: 43 Resp: 609715

Ion Ratio Lower Upper

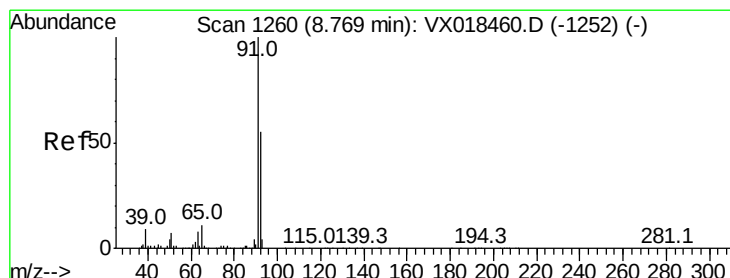
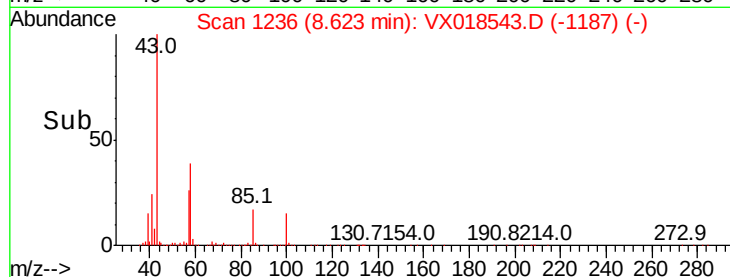
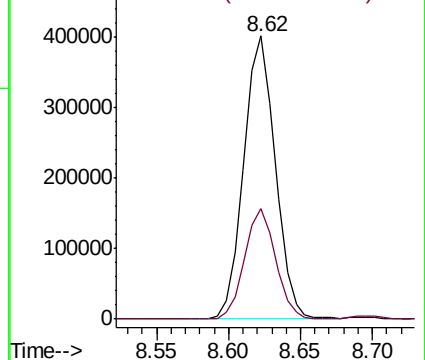
43 100

58 38.1 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.118 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018543.D

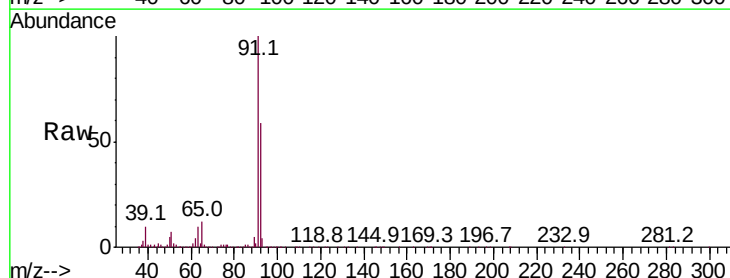
Acq: 23 Sep 2020 18:45

Tgt Ion: 92 Resp: 219093

Ion Ratio Lower Upper

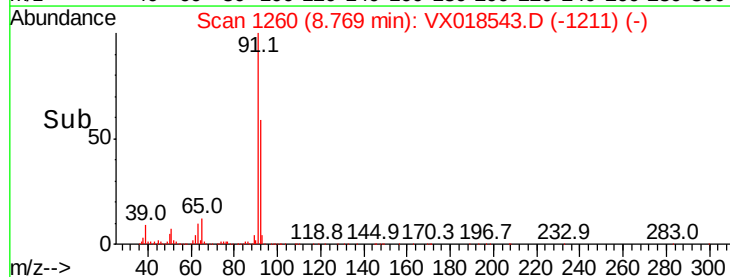
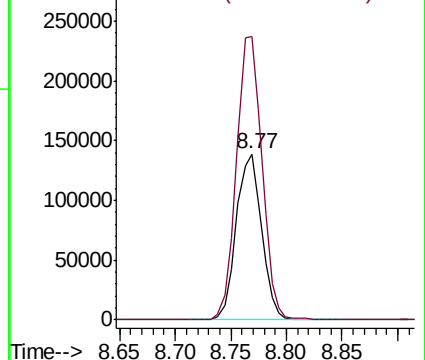
92 100

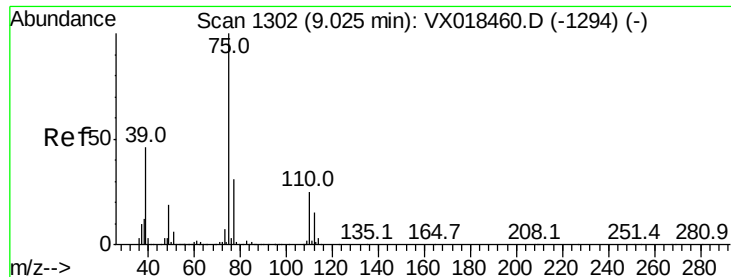
91 172.4 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 18.274 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampled :

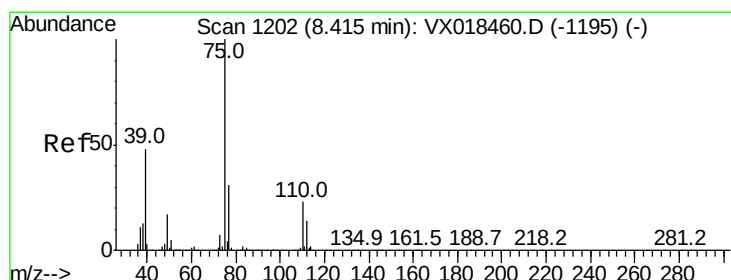
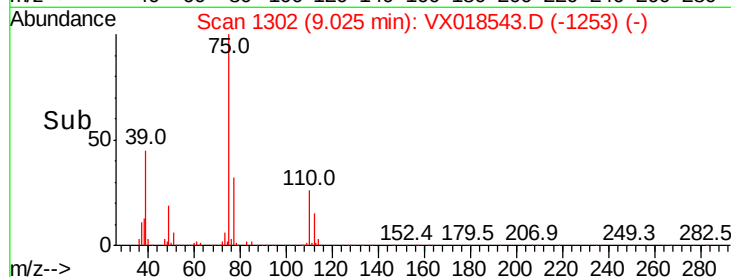
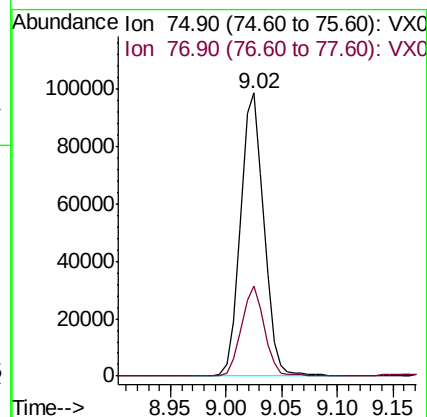
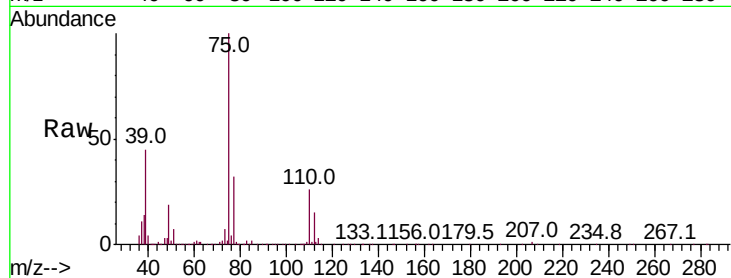
VX0923WBS01

Tot Ion: 75 Resp: 143715

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 19.003 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

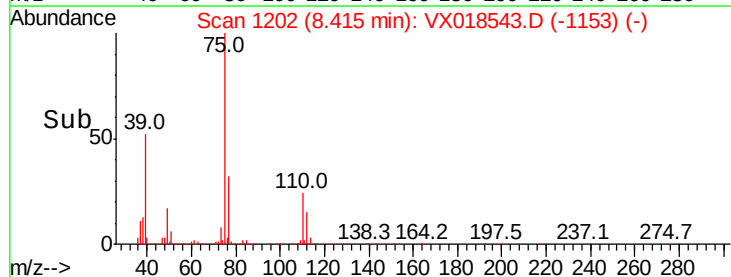
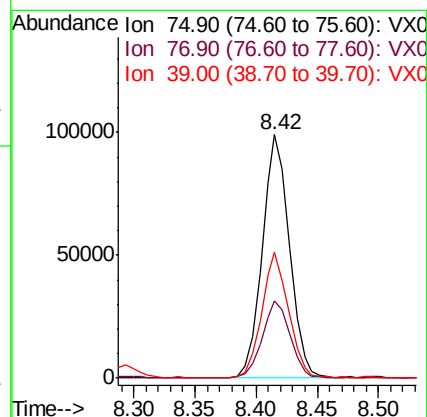
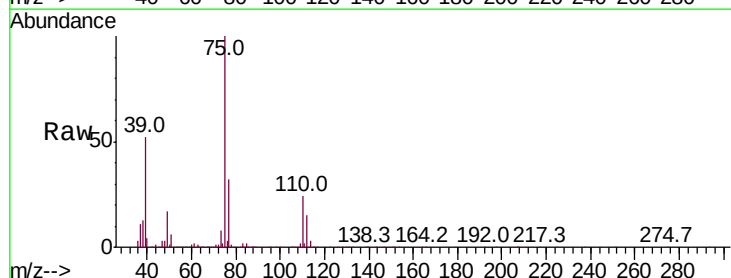
Tgt Ion: 75 Resp: 153963

Ion Ratio Lower Upper

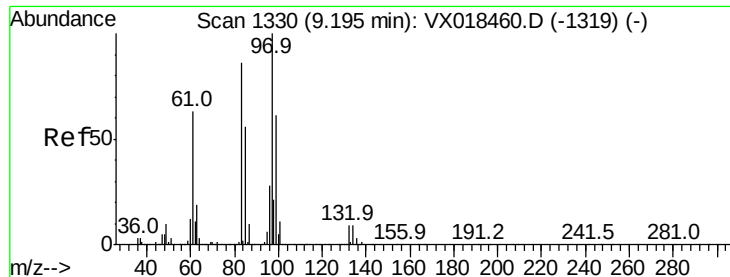
75 100

77 31.5 24.8 37.2

39 51.7 38.6 58.0







#55

1,1,2-Trichloroethane

Concen: 19.092 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

VX0923WBS01

Tot Ion: 97 Resp: 90791

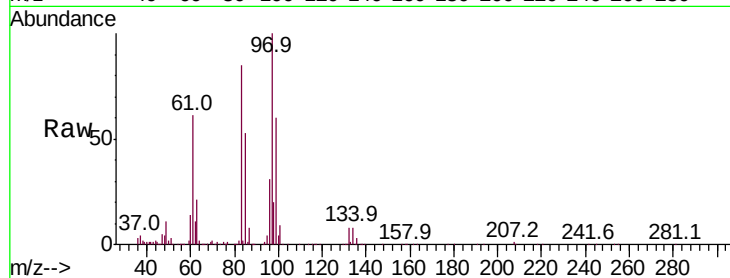
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 84.5  | 68.5  | 102.7 |
| 85  | 52.5  | 44.8  | 67.2  |
| 99  | 60.1  | 48.9  | 73.3  |

97 100

83 84.5 68.5 102.7

85 52.5 44.8 67.2

99 60.1 48.9 73.3



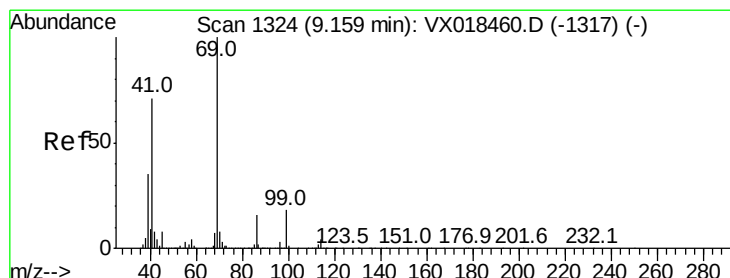
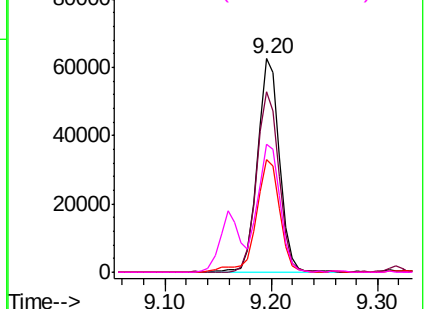
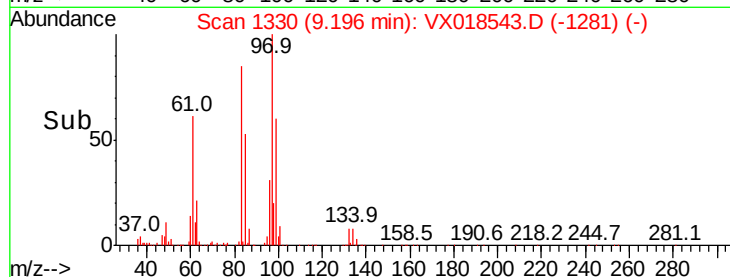
Abundance

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: 17.752 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

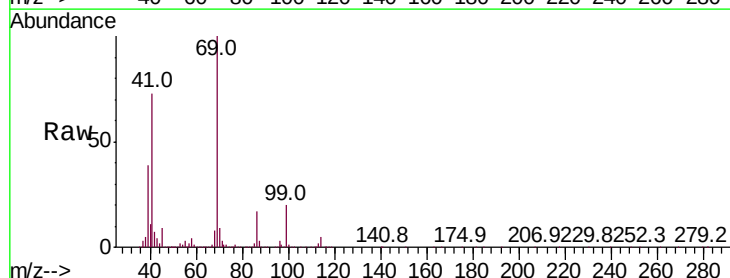
Tgt Ion: 69 Resp: 125175

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 70.5  | 54.6  | 81.8  |
| 39  | 40.0  | 29.3  | 43.9  |

69 100

41 70.5 54.6 81.8

39 40.0 29.3 43.9

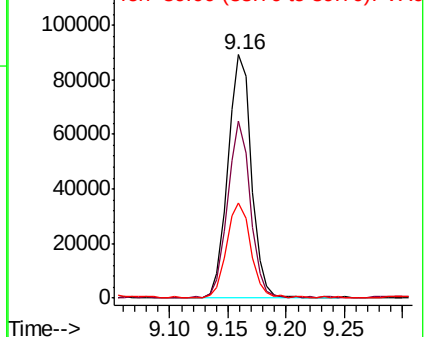
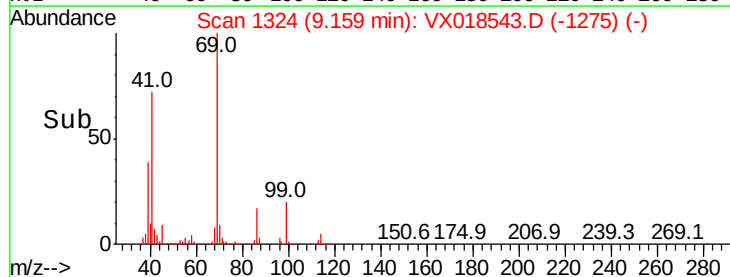


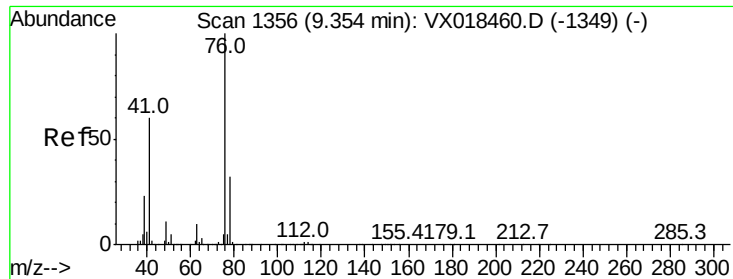
Abundance

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: 18.845 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

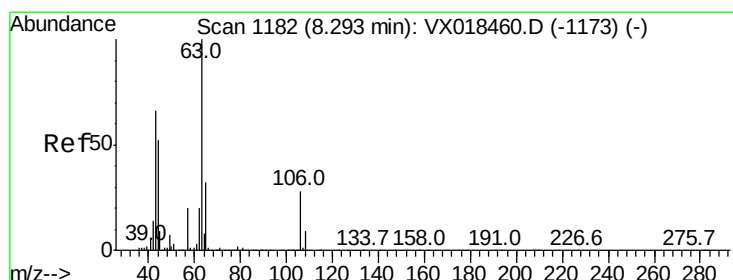
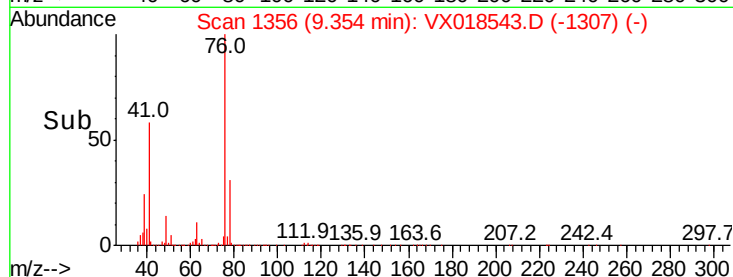
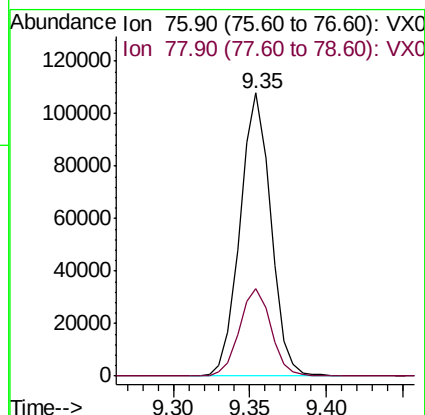
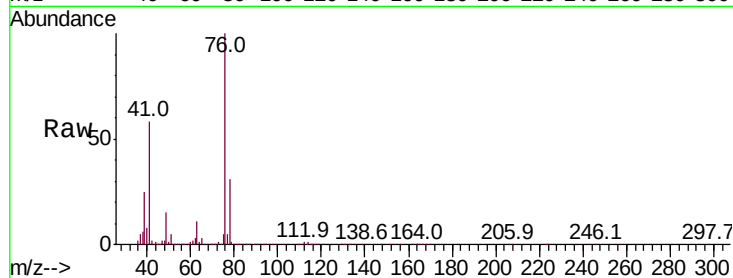
VX0923WBS01

Tot Ion: 76 Resp: 150567

Ion Ratio Lower Upper

76 100

78 32.1 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 94.850 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX018543.D

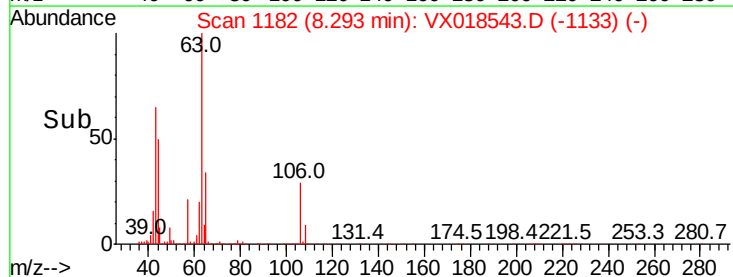
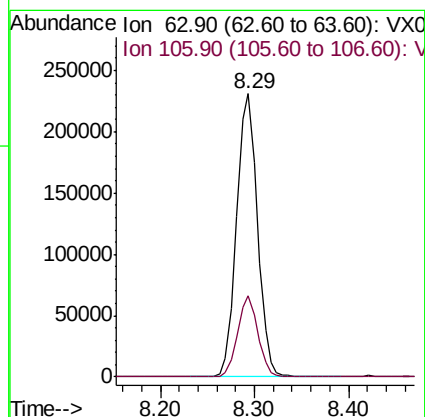
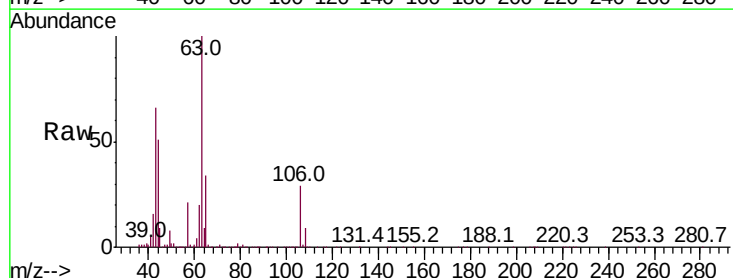
Acq: 23 Sep 2020 18:45

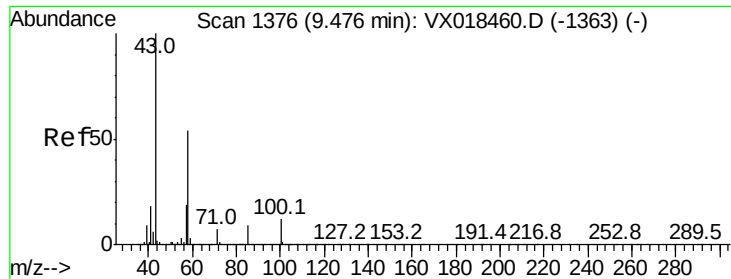
Tgt Ion: 63 Resp: 355578

Ion Ratio Lower Upper

63 100

106 28.1 22.2 33.2

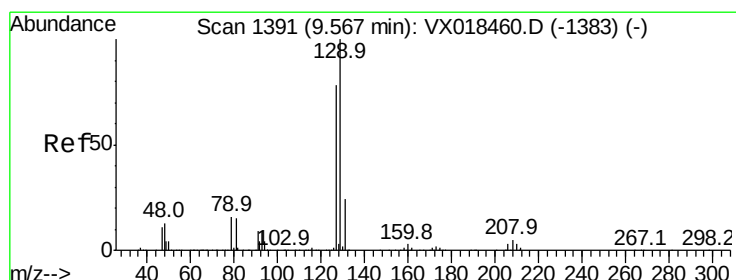
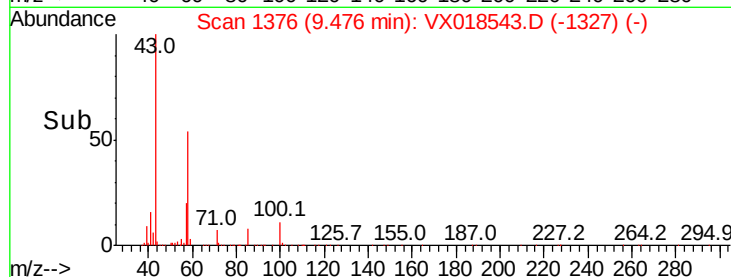
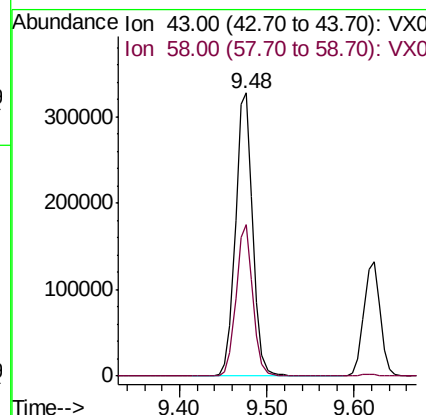
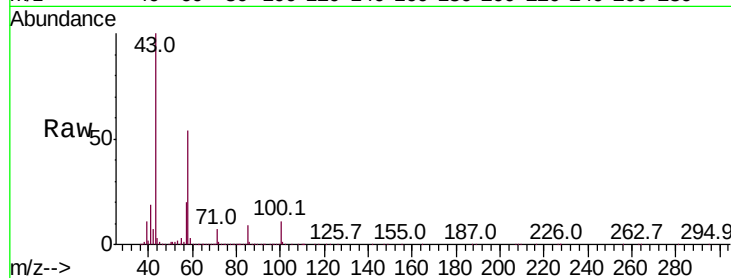




#59  
2-Hexanone  
Concen: 88.621 ug/l  
RT: 9.48 min Scan# 1376  
Delta R.T. 0.00 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

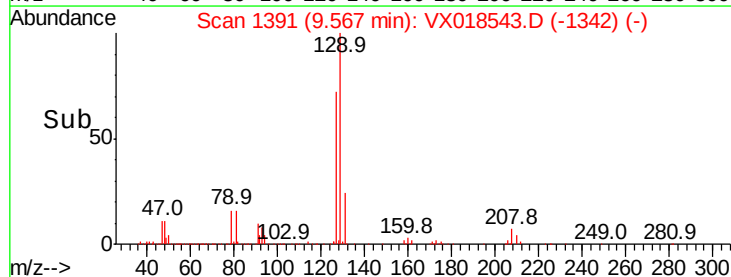
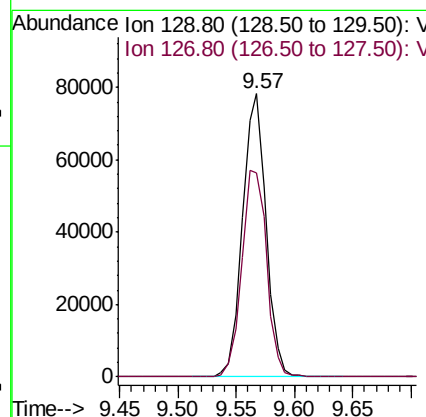
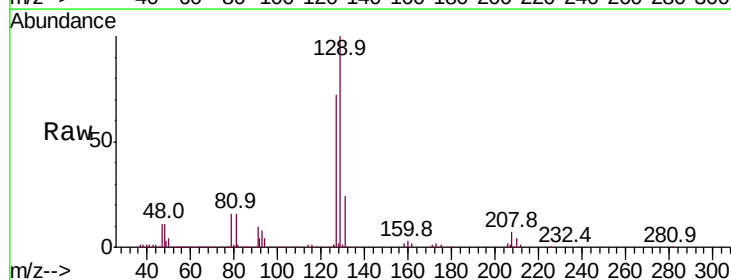
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0923WBS01

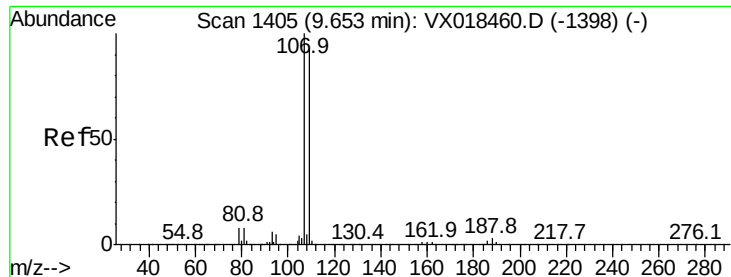
Tot Ion: 43 Resp: 451950  
Ion Ratio Lower Upper  
43 100  
58 51.9 26.5 79.4



#60  
Dibromochloromethane  
Concen: 19.524 ug/l  
RT: 9.57 min Scan# 1391  
Delta R.T. 0.00 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

Tgt Ion: 129 Resp: 110709  
Ion Ratio Lower Upper  
129 100  
127 77.0 39.0 117.0





#61

1,2-Dibromoethane

Concen: 19.478 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

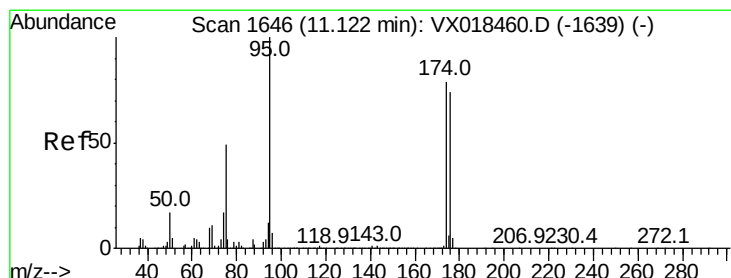
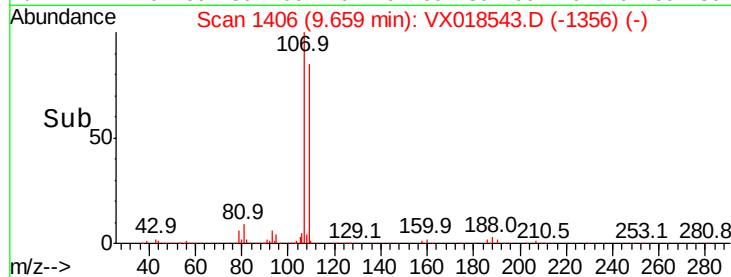
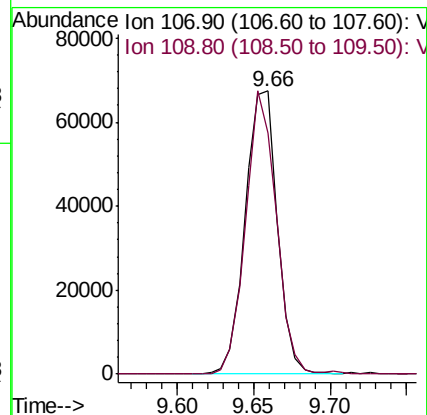
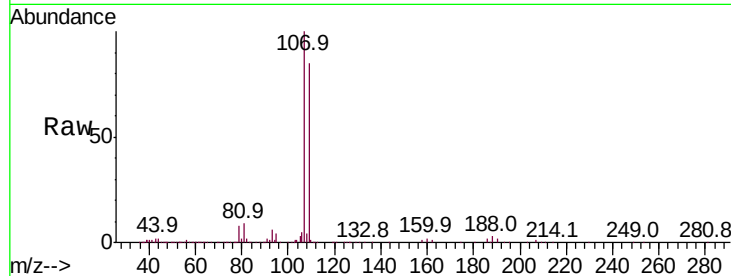
VX0923WBS01

Tot Ion:107 Resp: 98552

Ion Ratio Lower Upper

107 100

109 94.7 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 45.585 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

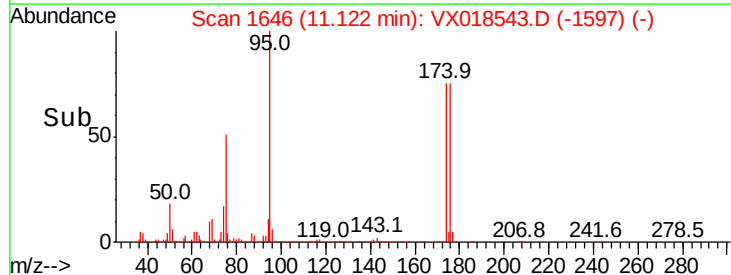
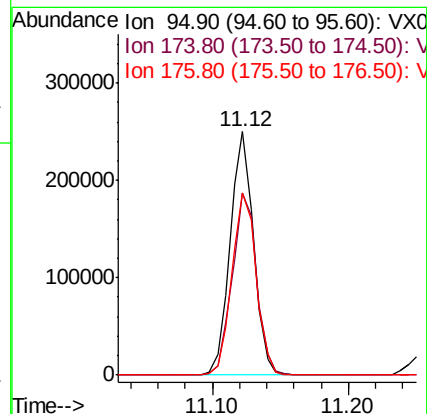
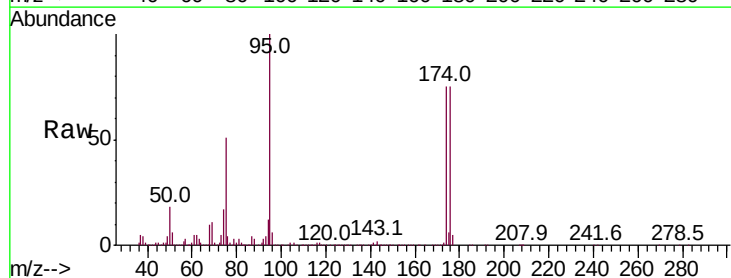
Tgt Ion: 95 Resp: 298193

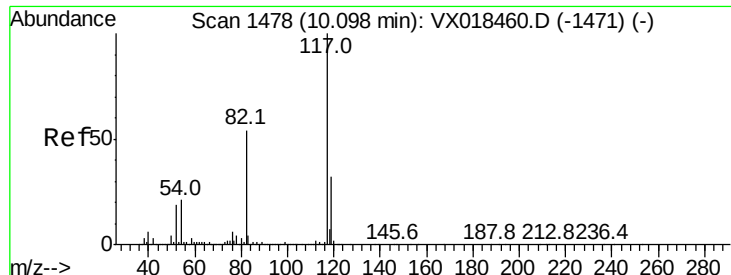
Ion Ratio Lower Upper

95 100

174 77.9 0.0 161.4

176 78.1 0.0 151.4

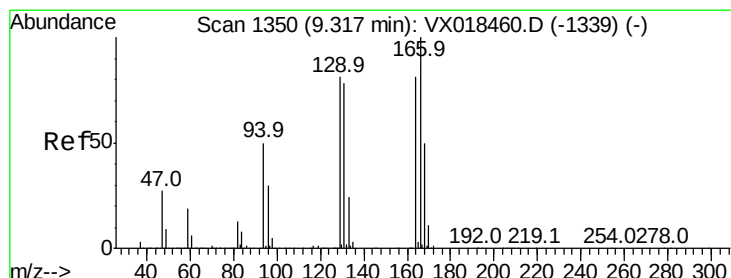
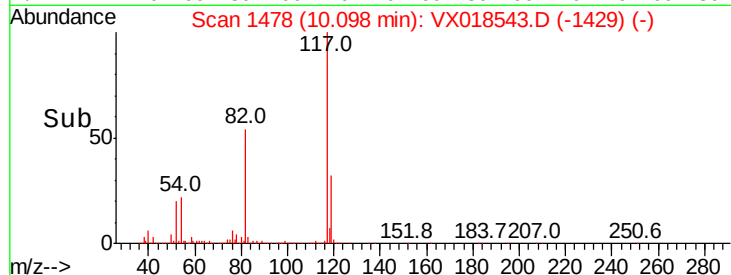
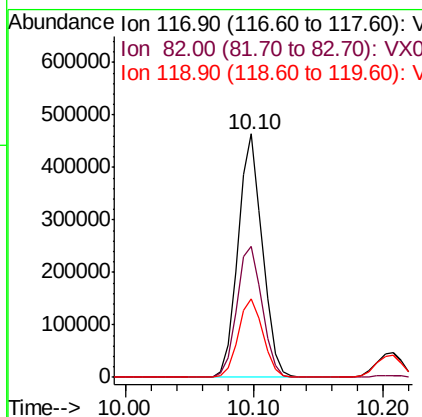
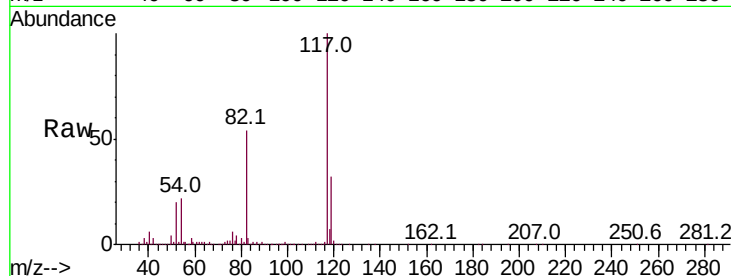




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

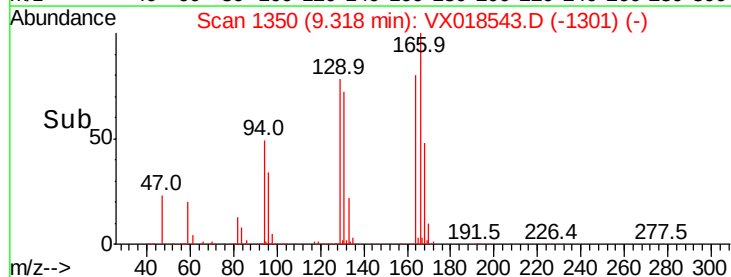
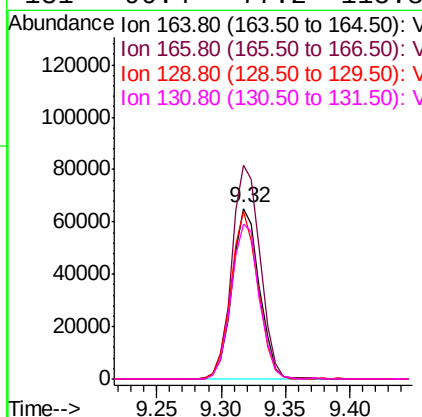
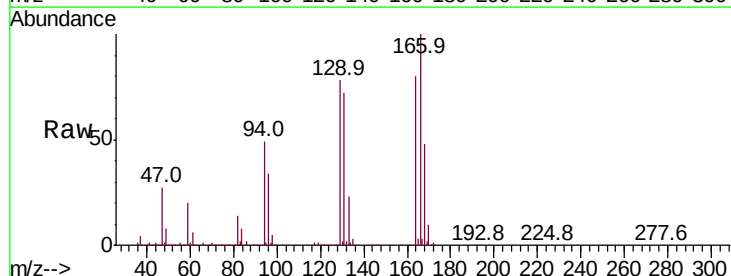
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0923WBS01

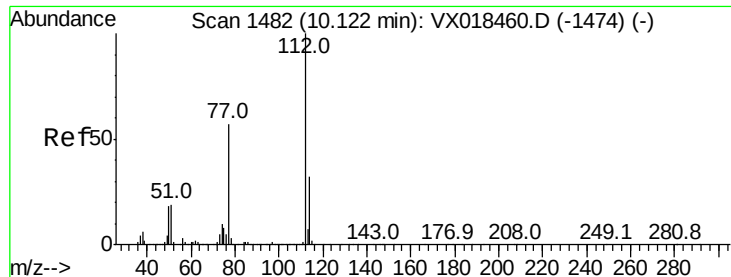
Tot Ion:117 Resp: 606430  
Ion Ratio Lower Upper  
117 100  
82 53.8 43.3 64.9  
119 32.0 25.9 38.9



#64  
Tetrachloroethene  
Concen: 20.182 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. 0.00 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

Tgt Ion:164 Resp: 96358  
Ion Ratio Lower Upper  
164 100  
166 125.1 99.3 148.9  
129 97.8 80.7 121.1  
131 90.4 77.2 115.8





#65

Chlorobenzene

Concen: 19.267 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

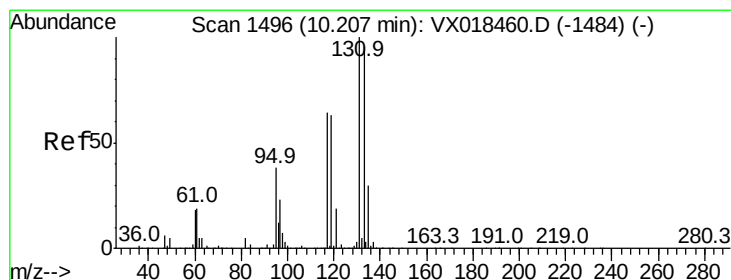
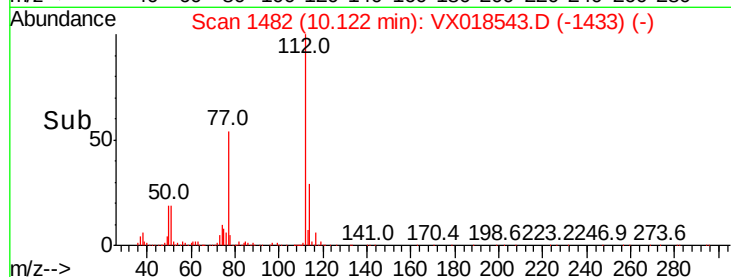
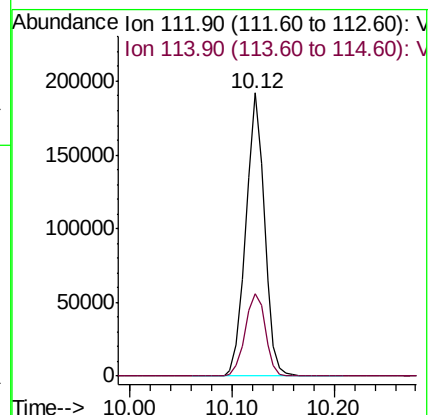
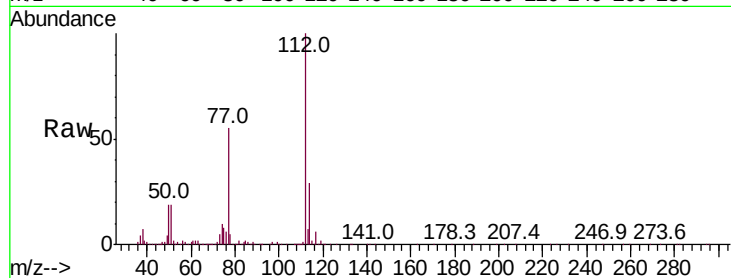
VX0923WBS01

Tot Ion:112 Resp: 240593

Ion Ratio Lower Upper

112 100

114 29.3 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 19.618 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

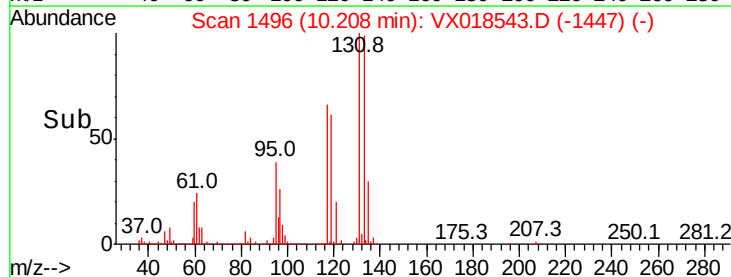
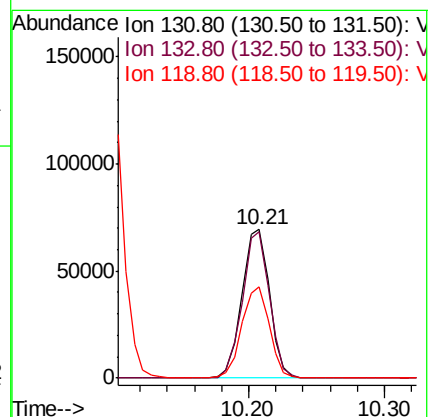
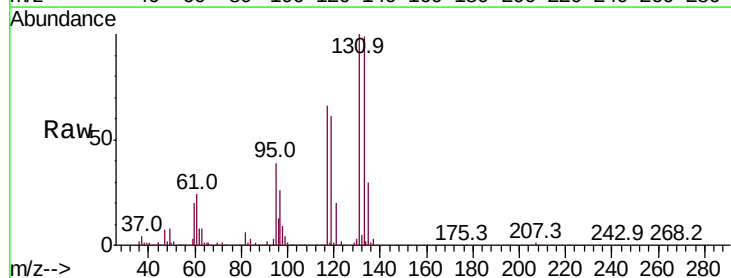
Tgt Ion:131 Resp: 98274

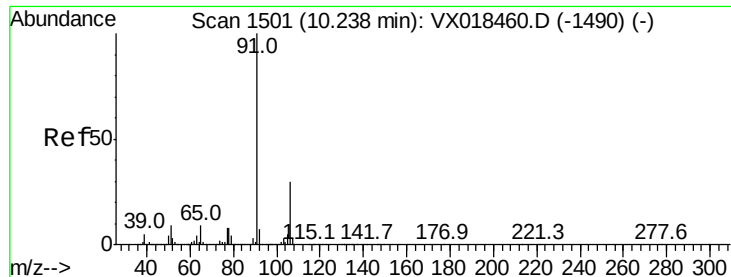
Ion Ratio Lower Upper

131 100

133 96.4 47.8 143.4

119 61.6 31.9 95.7





#67

Ethyl Benzene

Concen: 18.887 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampled :

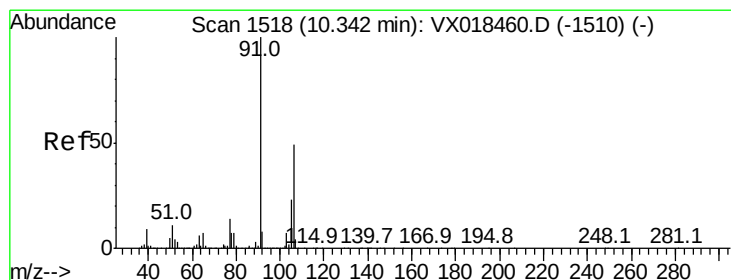
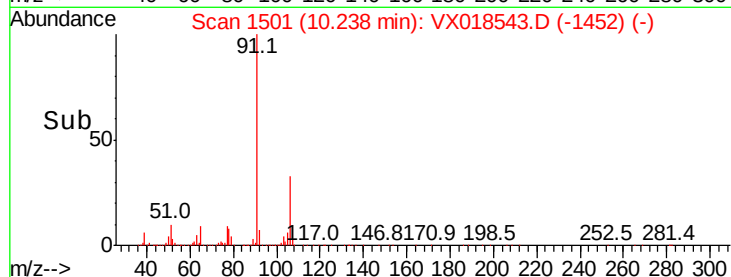
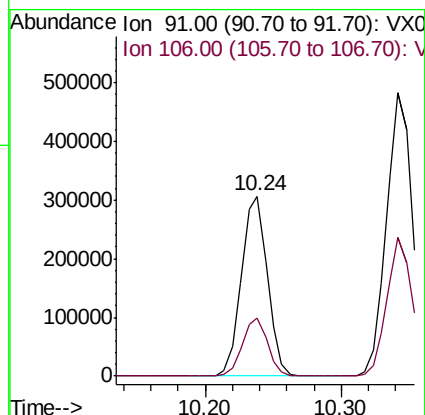
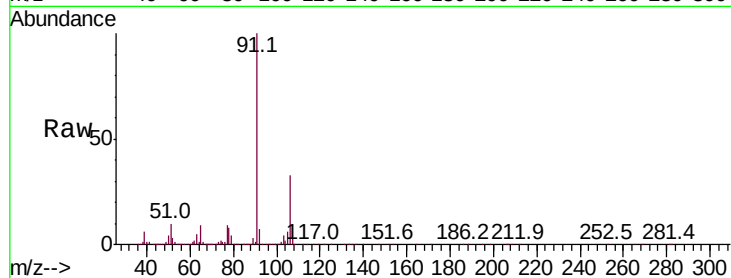
VX0923WBS01

Tot Ion: 91 Resp: 408232

Ion Ratio Lower Upper

91 100

106 32.5 24.1 36.1



#68

m/p-Xylenes

Concen: 37.642 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018543.D

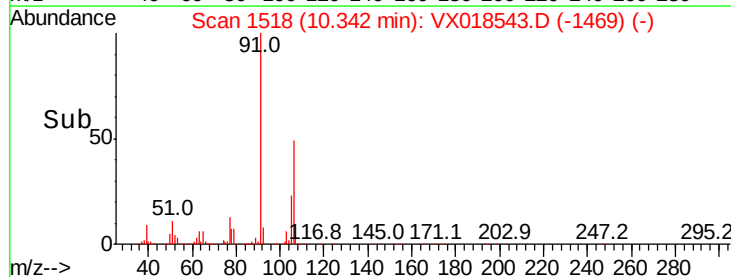
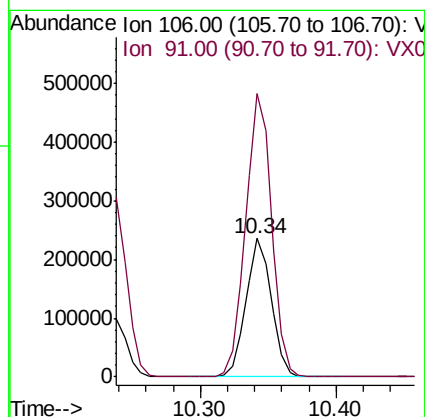
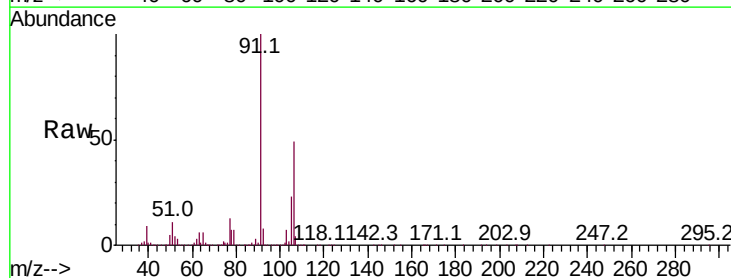
Acq: 23 Sep 2020 18:45

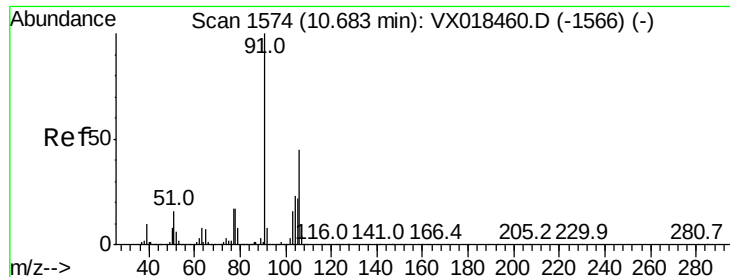
Tgt Ion: 106 Resp: 307767

Ion Ratio Lower Upper

106 100

91 210.0 163.8 245.6

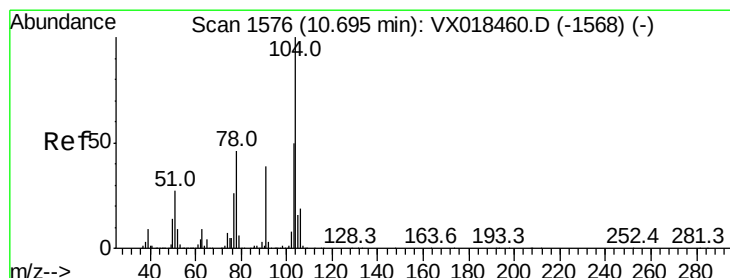
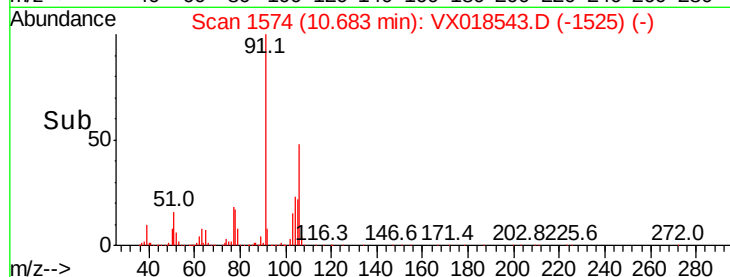
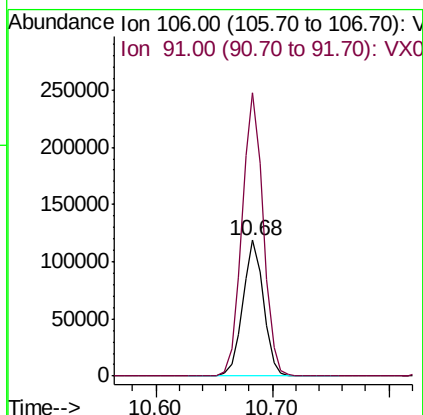
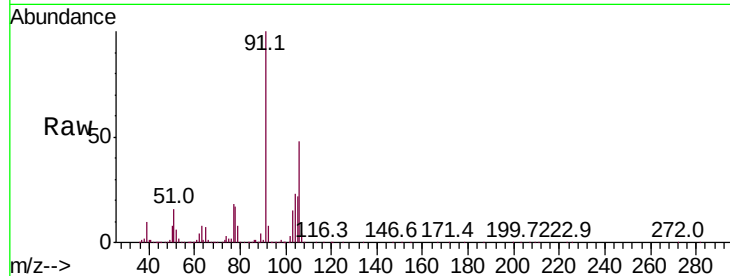




#69  
o-Xylene  
Concen: 19.110 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

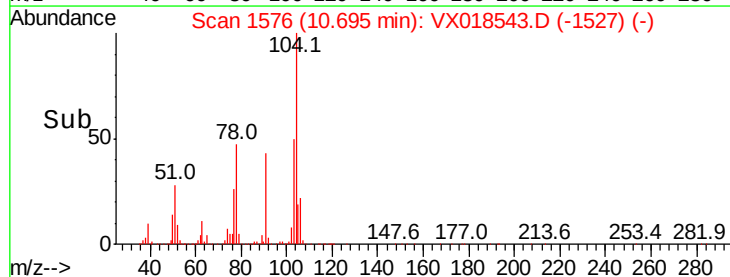
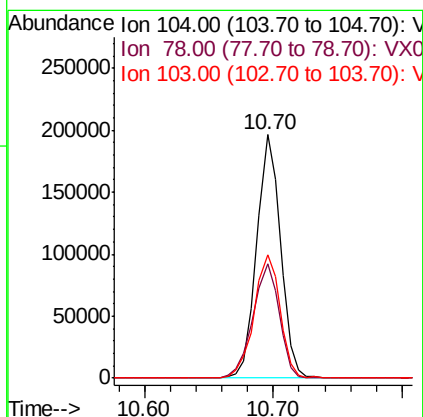
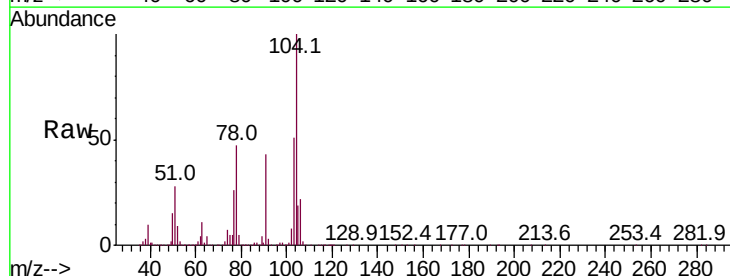
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0923WBS01

Tot Ion:106 Resp: 147961  
Ion Ratio Lower Upper  
106 100  
91 213.0 109.7 329.0

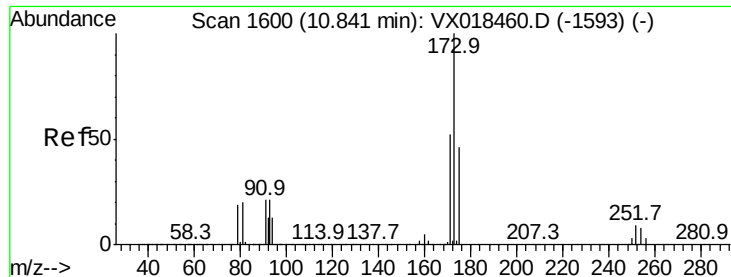


#70  
Styrene  
Concen: 18.697 ug/l  
RT: 10.70 min Scan# 1576  
Delta R.T. 0.00 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

Tgt Ion:104 Resp: 249944  
Ion Ratio Lower Upper  
104 100  
78 52.3 40.5 60.7  
103 55.5 43.2 64.8







#71

Bromoform

Concen: 19.007 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

VX0923WBS01

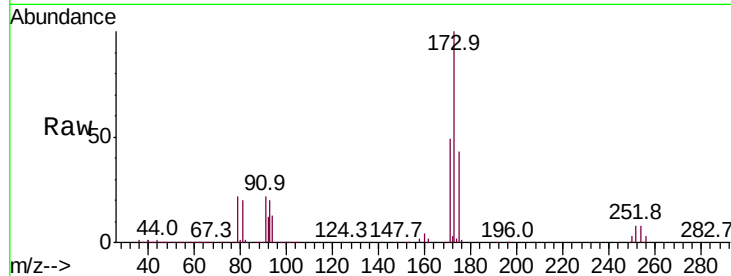
Tot Ion:173 Resp: 79941

Ion Ratio Lower Upper

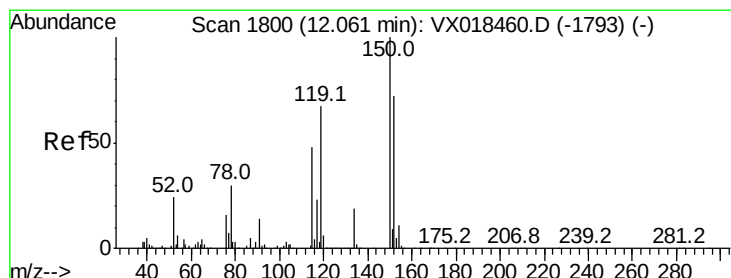
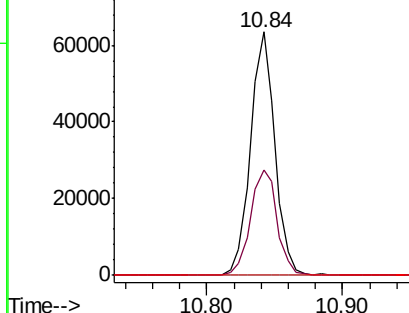
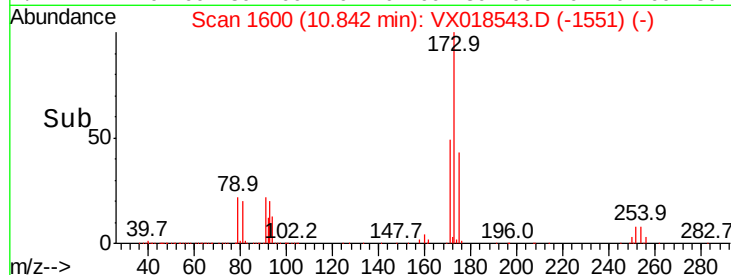
173 100

175 47.3 23.6 70.8

254 0.0 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: VX018543.D

Acq: 23 Sep 2020 18:45

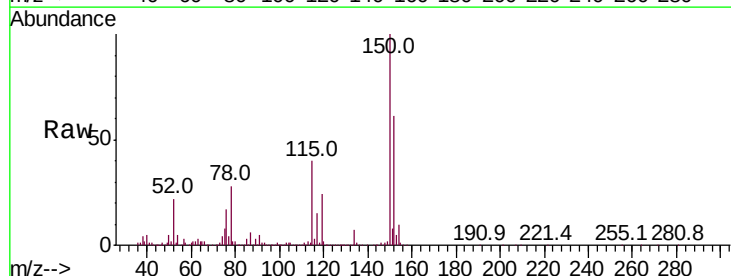
Tgt Ion:152 Resp: 318473

Ion Ratio Lower Upper

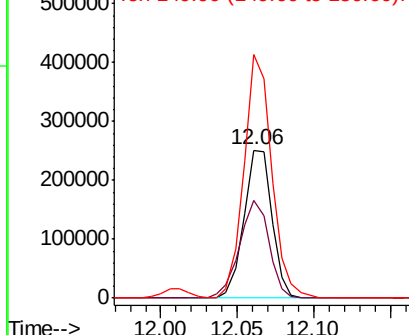
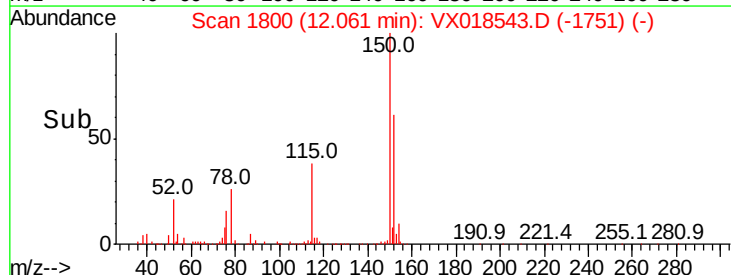
152 100

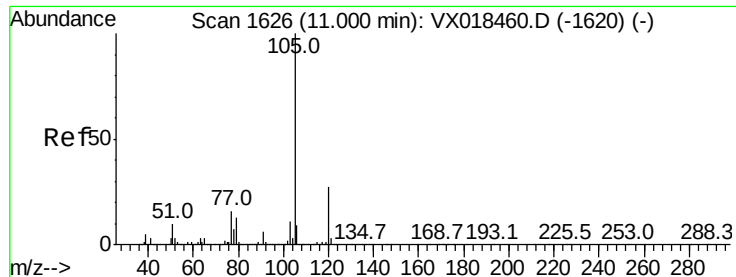
115 69.8 41.8 125.4

150 162.8 0.0 342.4



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: 18.924 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

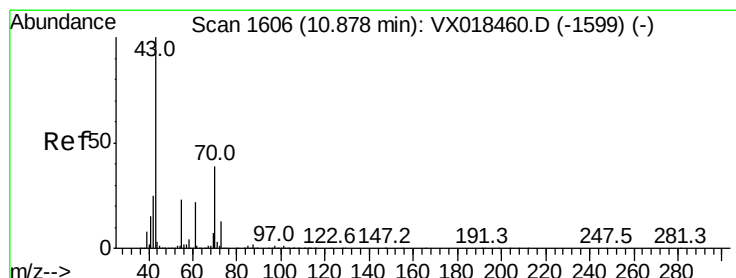
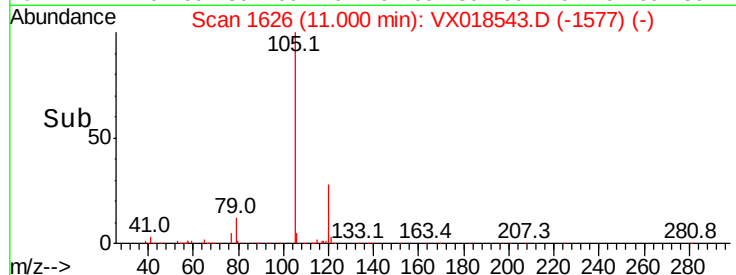
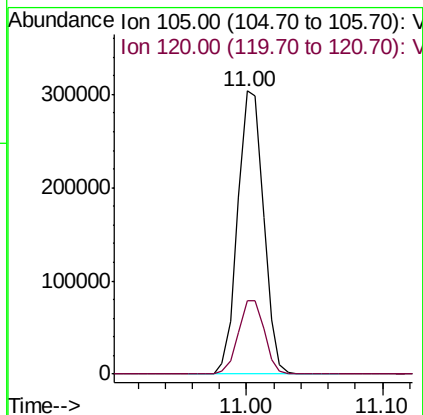
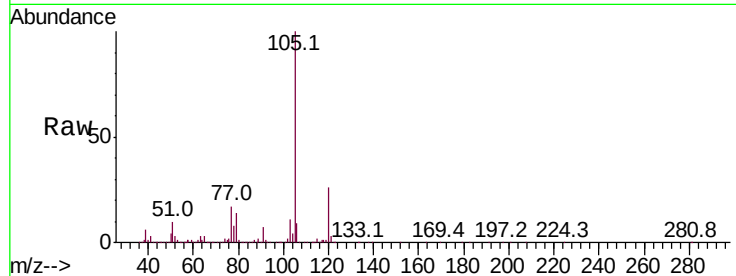
VX0923WBS01

Tot Ion:105 Resp: 402606

Ion Ratio Lower Upper

105 100

120 26.3 13.4 40.2



#74

N-ethyl acetate

Concen: 17.015 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Tgt Ion: 43 Resp: 162968

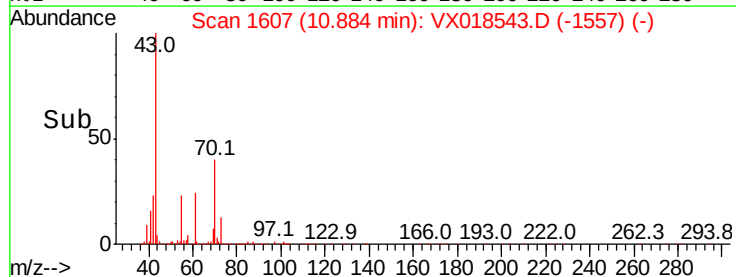
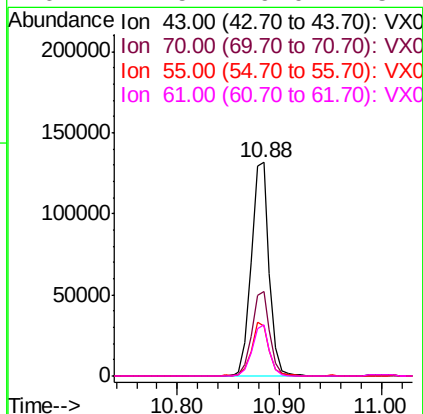
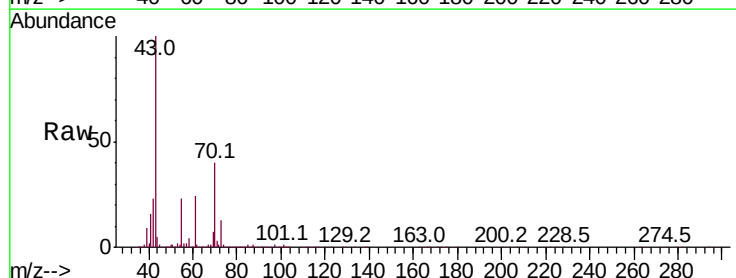
Ion Ratio Lower Upper

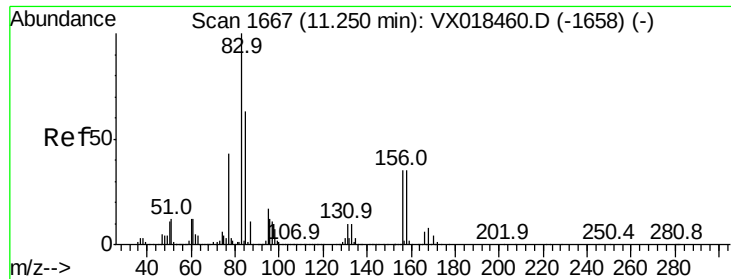
43 100

70 38.8 32.2 48.4

55 24.4 18.8 28.2

61 22.5 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.572 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampled :

VX0923WBS01

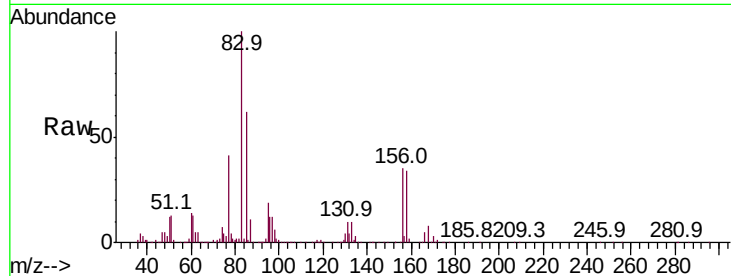
Tot Ion: 83 Resp: 130784

Ion Ratio Lower Upper

83 100

131 11.5 5.1 15.4

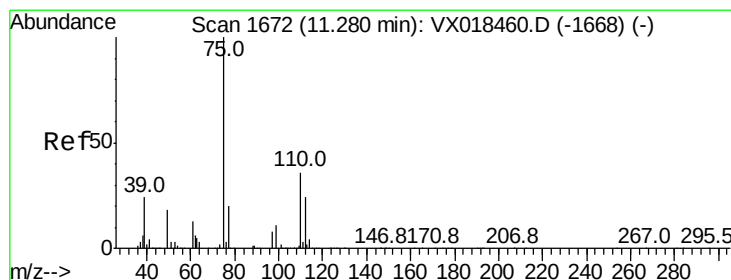
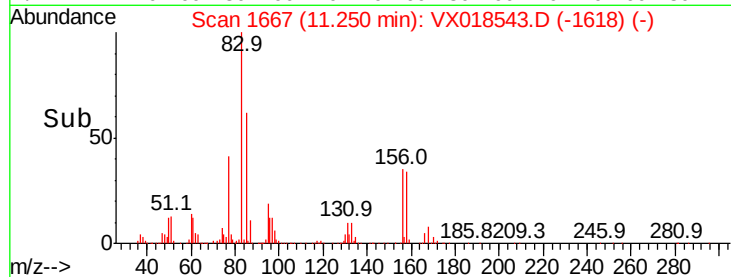
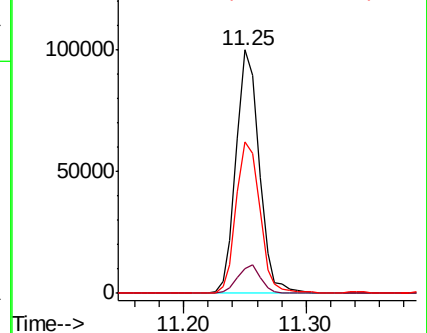
85 64.2 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.159 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX018543.D

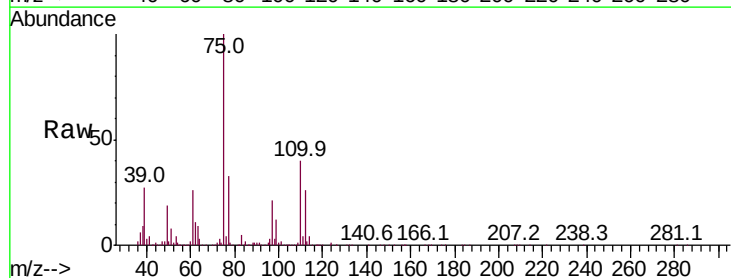
Acq: 23 Sep 2020 18:45

Tgt Ion: 75 Resp: 154989

Ion Ratio Lower Upper

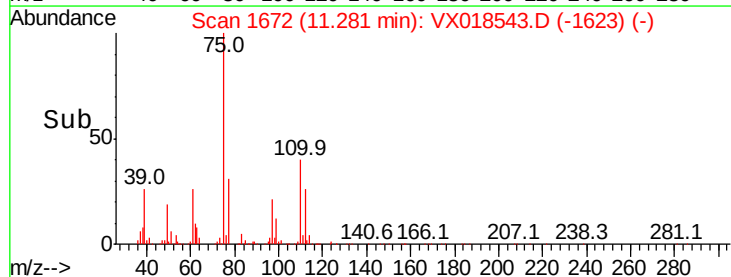
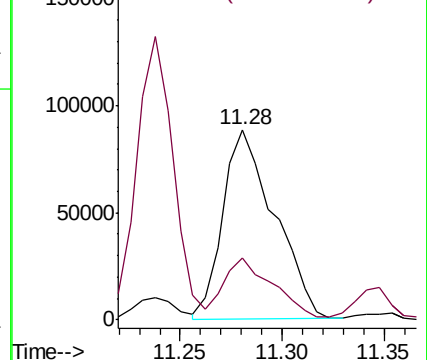
75 100

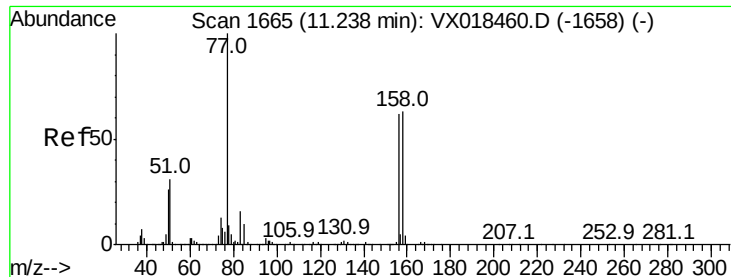
77 31.5 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.246 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

VX0923WBS01

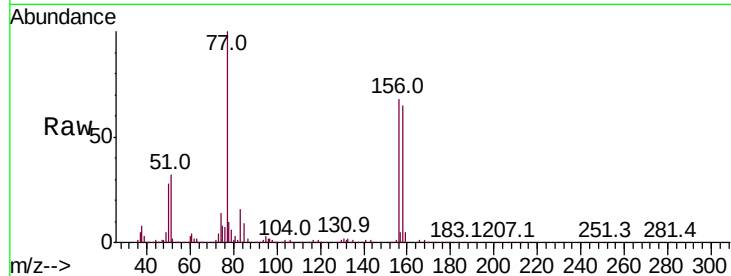
Tot Ion:156 Resp: 107110

Ion Ratio Lower Upper

156 100

77 154.3 78.8 236.5

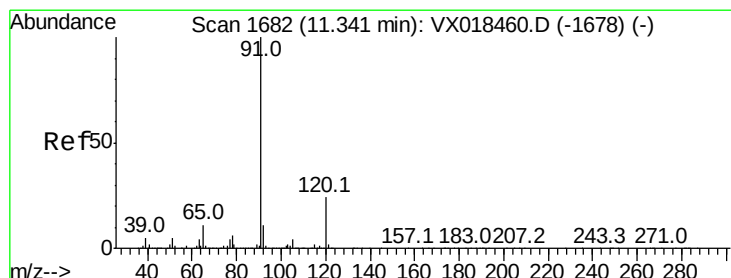
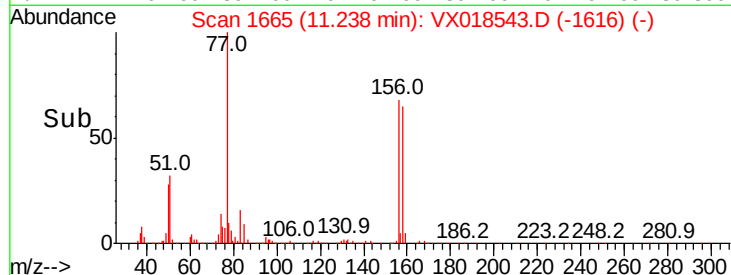
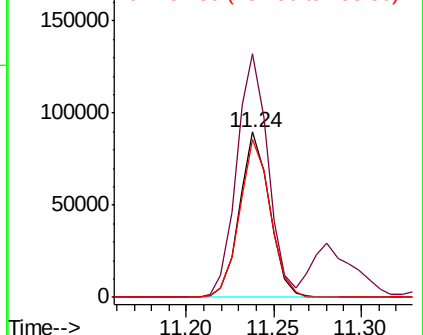
158 98.5 48.4 145.3



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: 18.571 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX018543.D

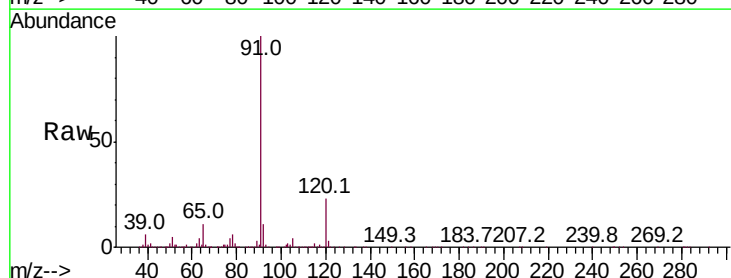
Acq: 23 Sep 2020 18:45

Tgt Ion: 91 Resp: 462488

Ion Ratio Lower Upper

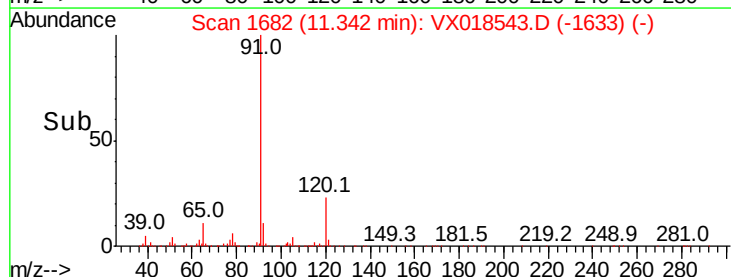
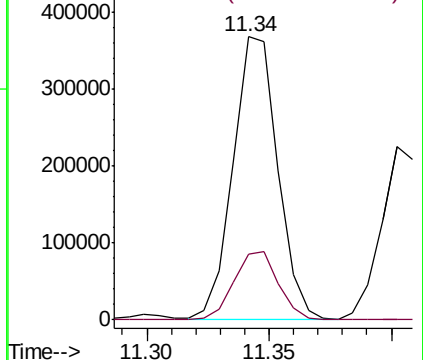
91 100

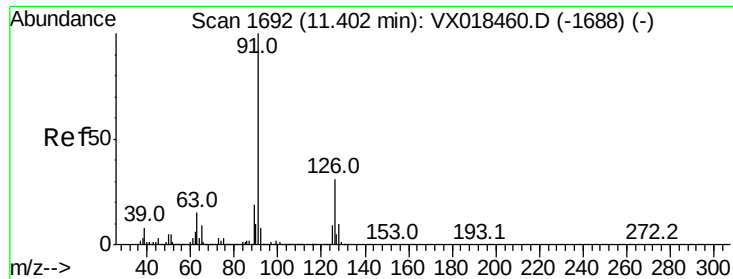
120 24.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

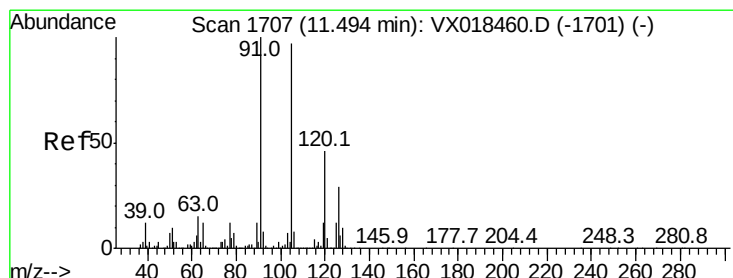
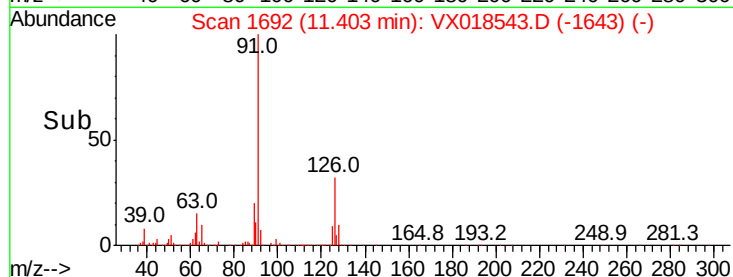
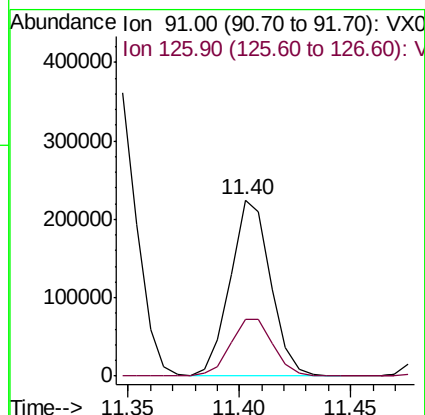
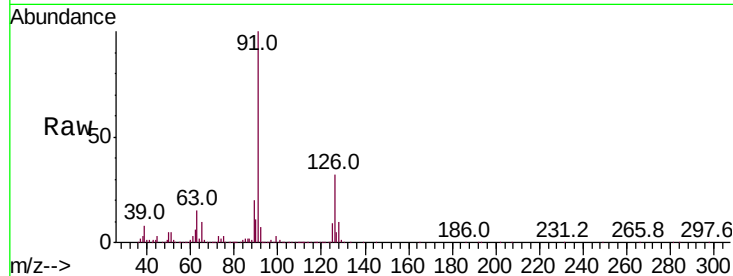




#79  
 2-Chlorotoluene  
 Concen: 18.742 ug/l  
 RT: 11.40 min Scan# 1692  
 Delta R.T. 0.00 min  
 Lab File: VX018543.D  
 Acq: 23 Sep 2020 18:45

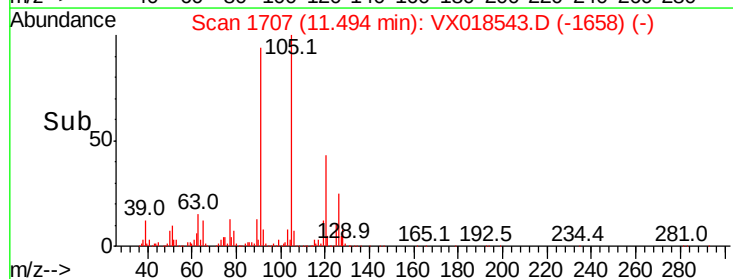
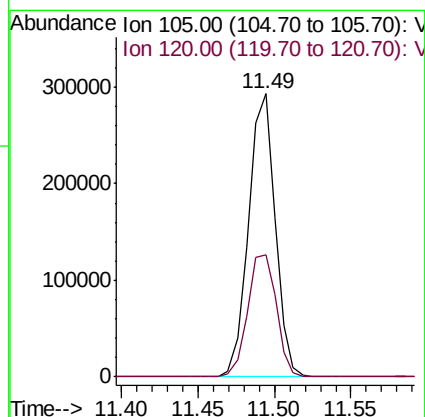
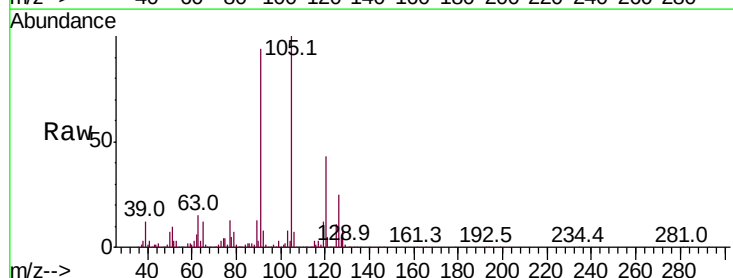
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0923WBS01

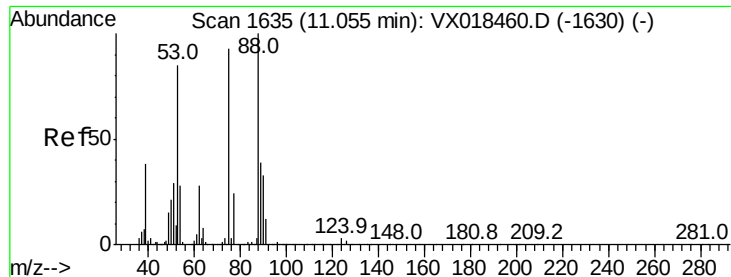
Tot Ion: 91 Resp: 282519  
 Ion Ratio Lower Upper  
 91 100  
 126 34.6 16.6 49.7



#80  
 1,3,5-Trimethylbenzene  
 Concen: 19.408 ug/l  
 RT: 11.49 min Scan# 1707  
 Delta R.T. 0.00 min  
 Lab File: VX018543.D  
 Acq: 23 Sep 2020 18:45

Tgt Ion: 105 Resp: 353135  
 Ion Ratio Lower Upper  
 105 100  
 120 46.9 23.6 71.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.163 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

VX0923WBS01

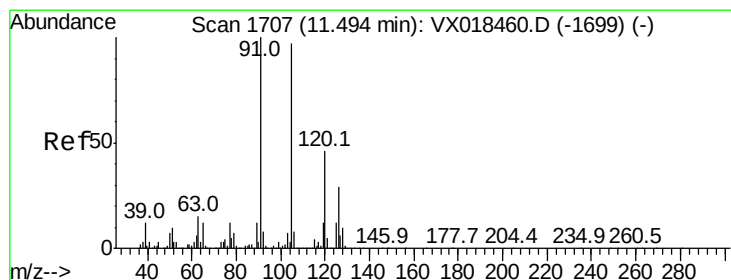
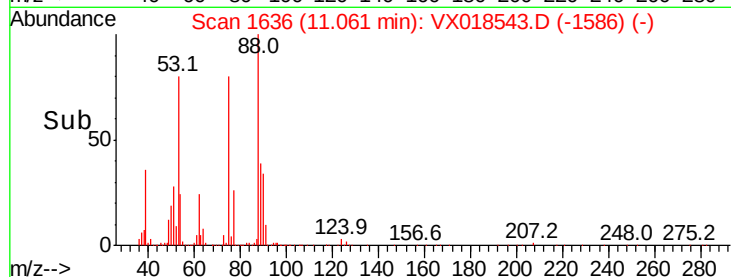
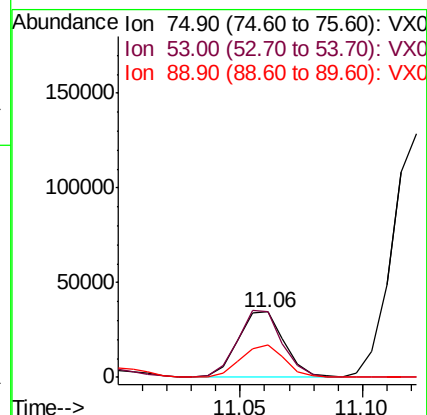
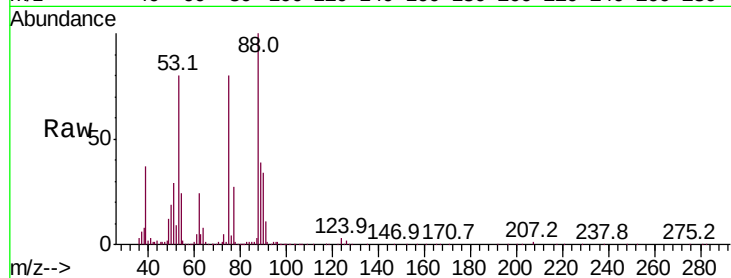
Tot Ion: 75 Resp: 44825

Ion Ratio Lower Upper

75 100

53 100.5 74.6 111.8

89 46.3 36.2 54.4



#82

4-Chlorotoluene

Concen: 18.617 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX018543.D

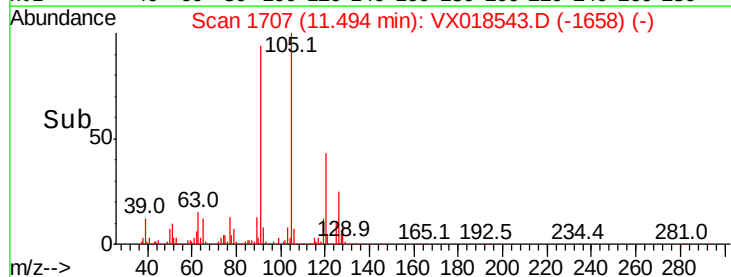
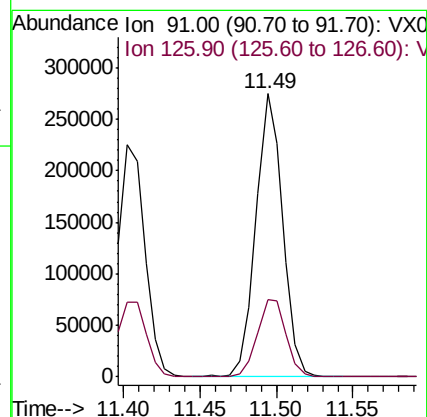
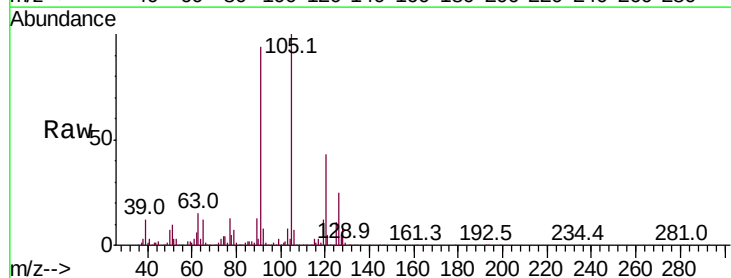
Acq: 23 Sep 2020 18:45

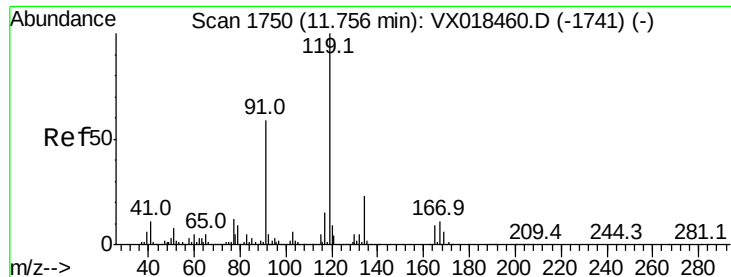
Tgt Ion: 91 Resp: 333590

Ion Ratio Lower Upper

91 100

126 29.4 15.0 45.0





#83

tert-Butylbenzene

Concen: 18.516 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

VX0923WBS01

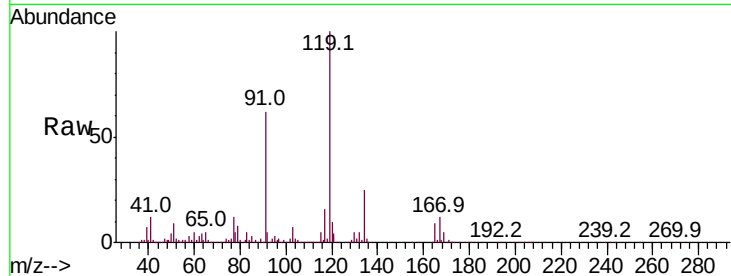
Tot Ion:119 Resp: 327099

Ion Ratio Lower Upper

119 100

91 59.3 28.9 86.7

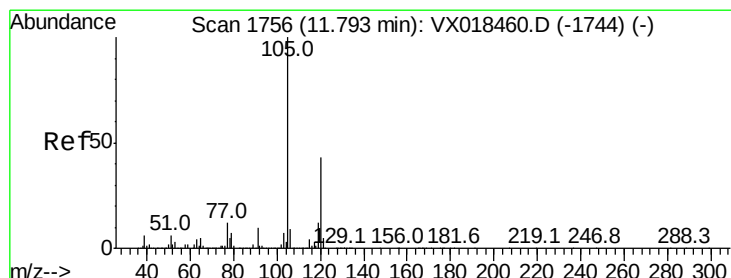
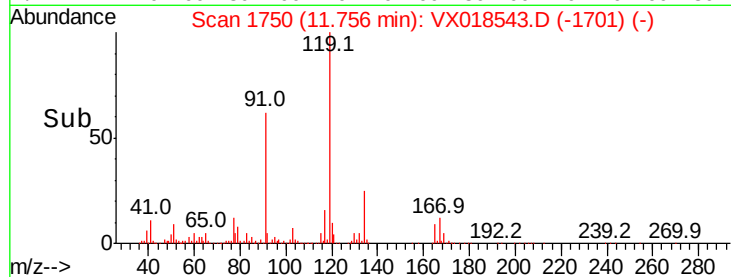
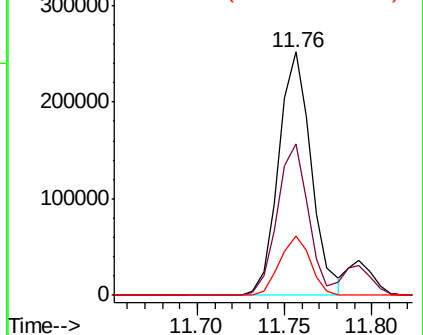
134 23.2 11.3 33.8



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: 19.096 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018543.D

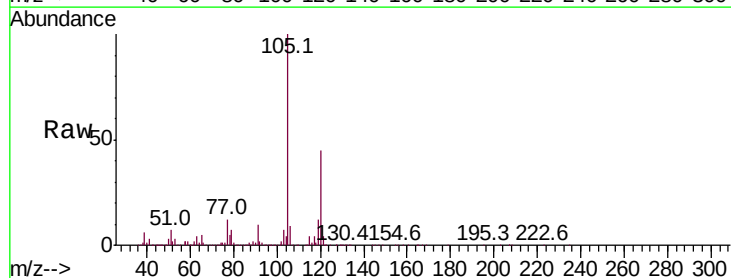
Acq: 23 Sep 2020 18:45

Tgt Ion:105 Resp: 349918

Ion Ratio Lower Upper

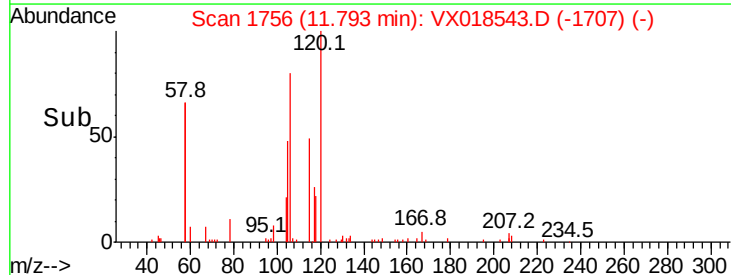
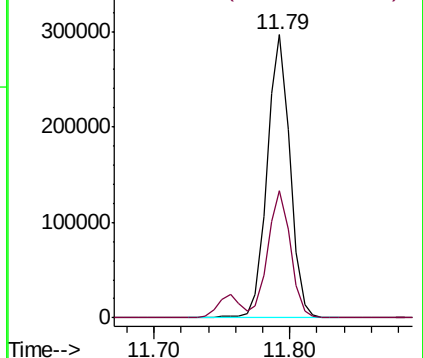
105 100

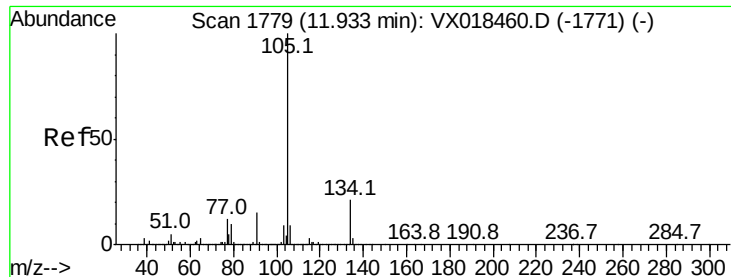
120 44.7 21.6 65.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.693 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampled :

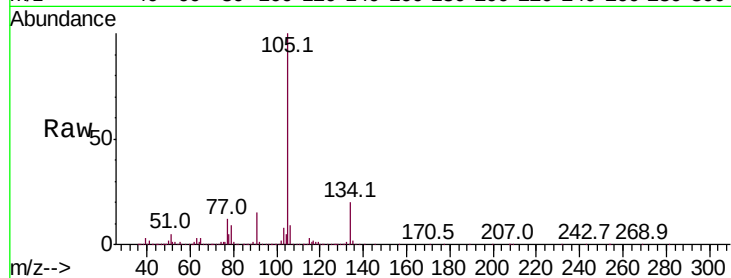
VX0923WBS01

Tot Ion:105 Resp: 389635

Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

300000

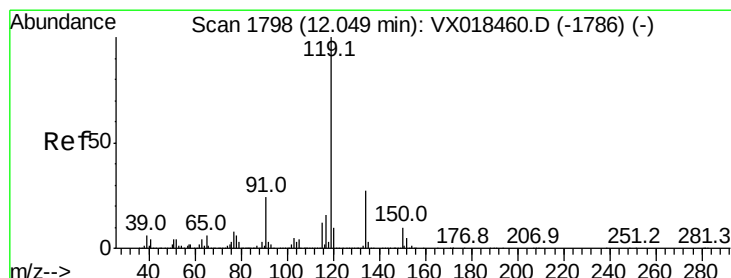
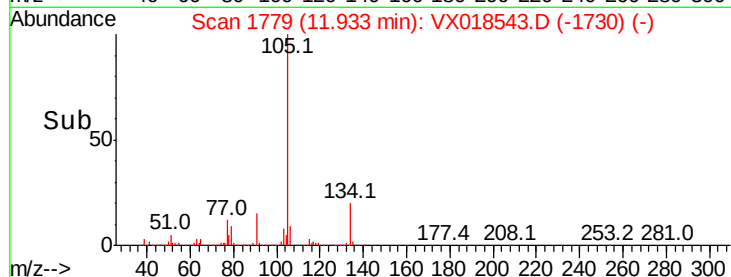
200000

100000

0

Time-->

11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 19.077 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

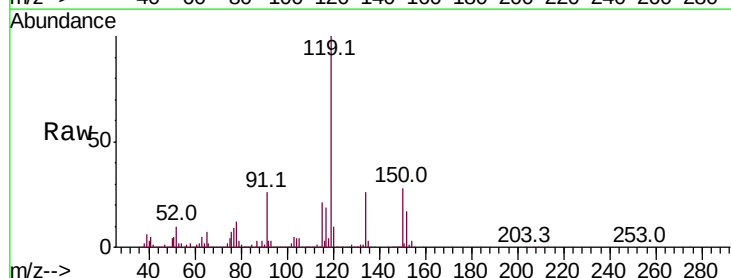
Tgt Ion:119 Resp: 365454

Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.9

91 25.1 11.9 35.9



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): VX0

400000

300000

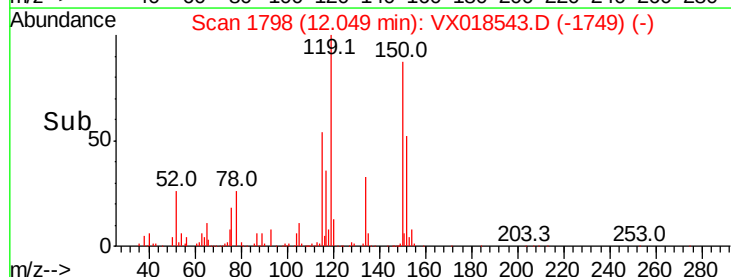
200000

100000

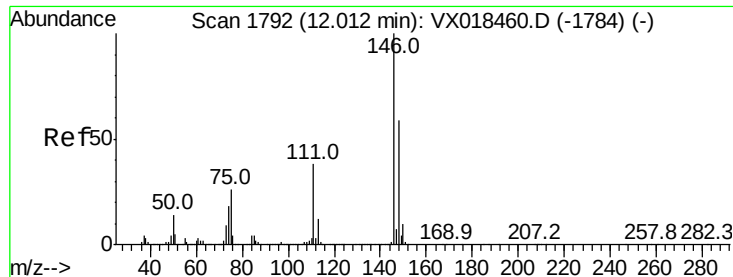
0

Time-->

12.00 12.10







#87

1,3-Dichlorobenzene

Concen: 17.918 ug/l

RT: 12.01 min Scan# 1792

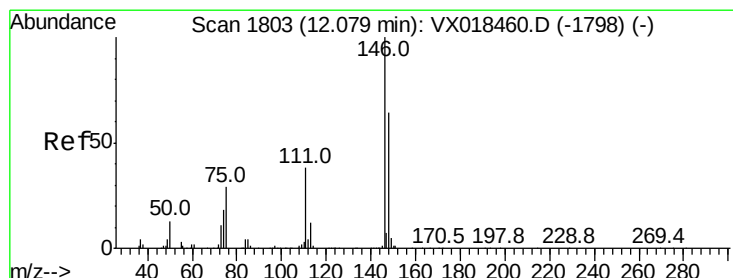
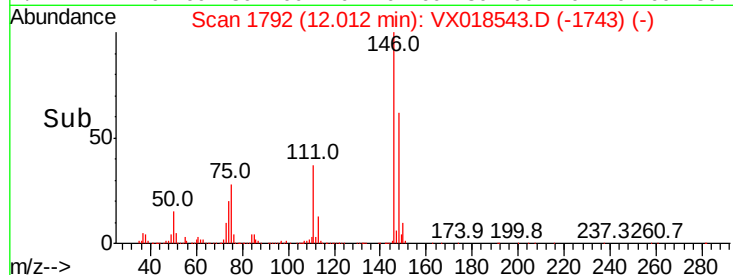
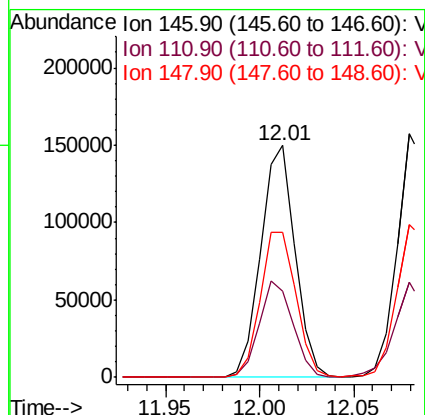
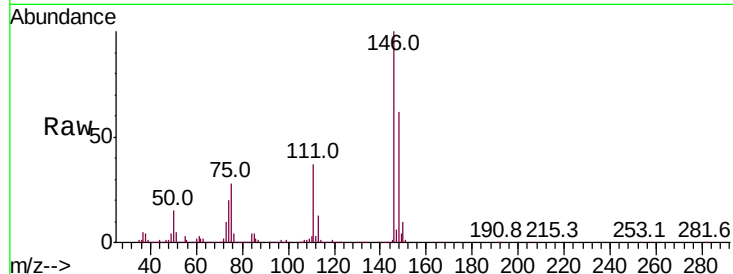
Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0923WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.0  | 20.4  | 61.2  |
| 148     | 65.4  | 31.1  | 93.2  |



#88

1,4-Dichlorobenzene

Concen: 18.524 ug/l

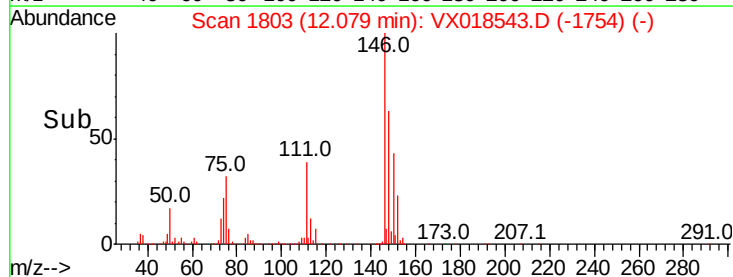
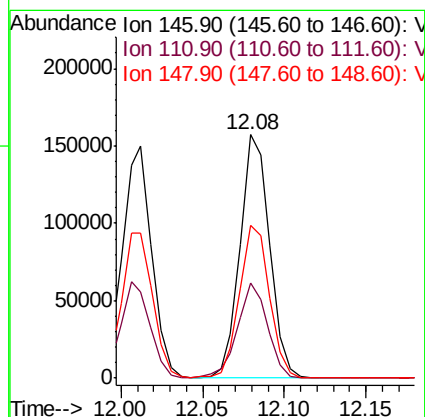
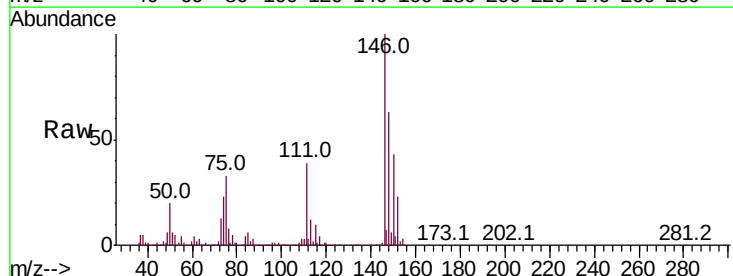
RT: 12.08 min Scan# 1803

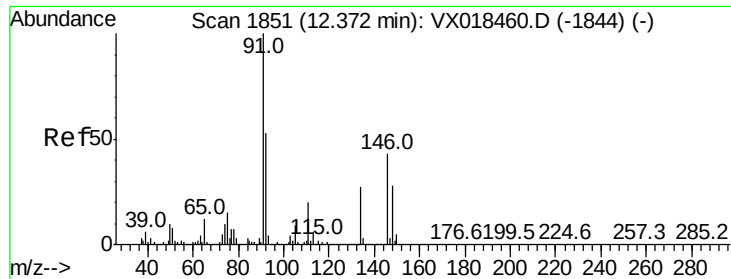
Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.4  | 19.4  | 58.4  |
| 148     | 64.1  | 31.8  | 95.4  |

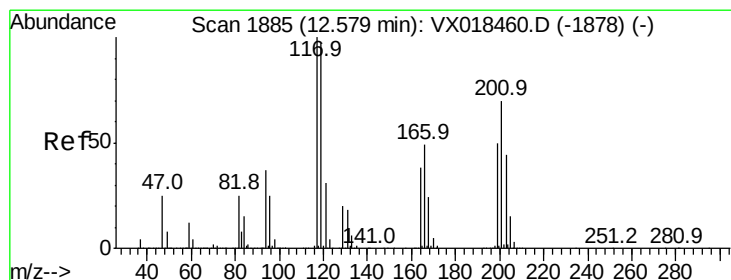
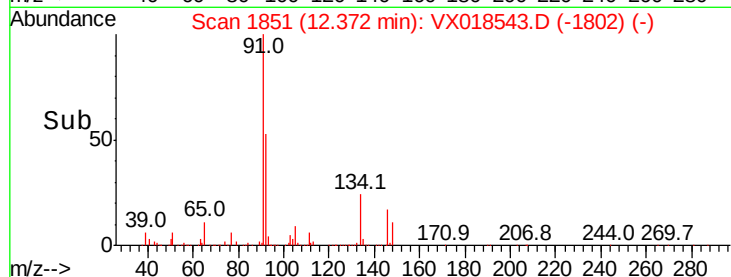
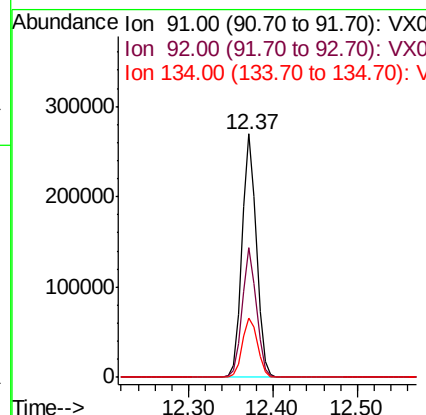
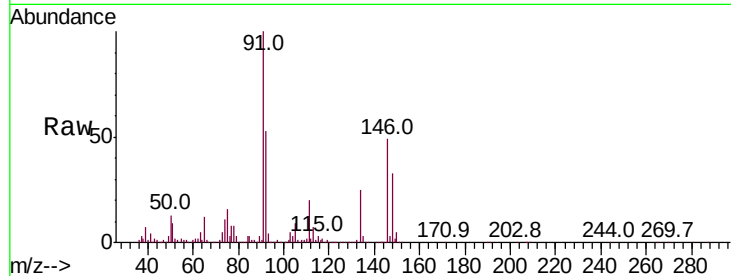




#89  
n-Butylbenzene  
Concen: 17.375 ug/l  
RT: 12.37 min Scan# 1851  
Delta R.T. 0.00 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

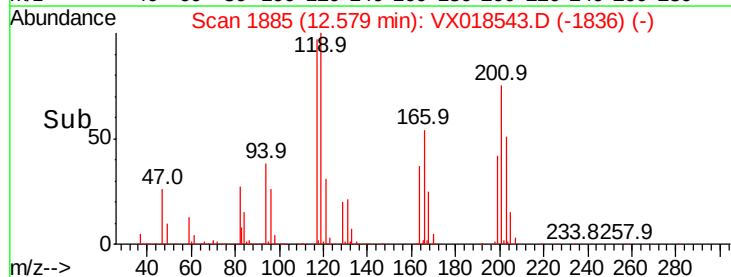
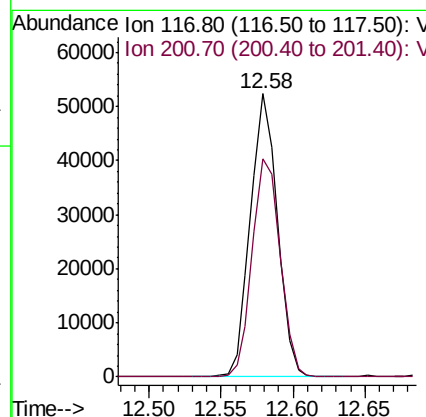
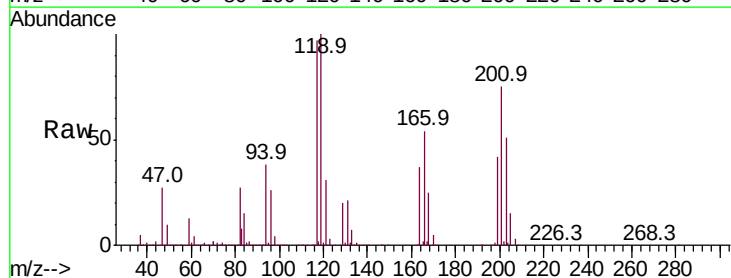
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0923WBS01

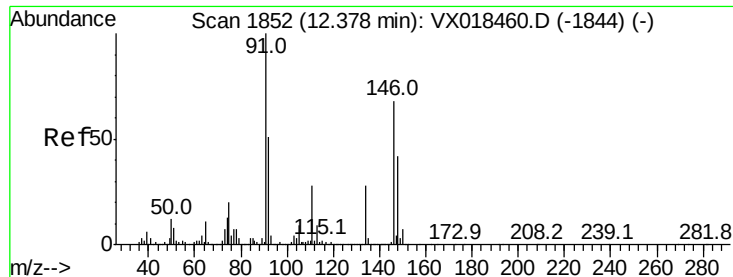
Tot Ion: 91 Resp: 308140  
Ion Ratio Lower Upper  
91 100  
92 52.2 26.1 78.2  
134 25.8 13.3 39.8



#90  
Hexachloroethane  
Concen: 17.837 ug/l  
RT: 12.58 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

Tgt Ion: 117 Resp: 68217  
Ion Ratio Lower Upper  
117 100  
201 79.3 36.2 108.6





#91

1,2-Dichlorobenzene

Concen: 18.685 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampleId :

VX0923WBS01

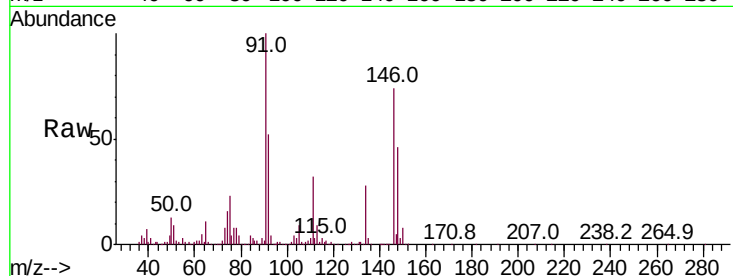
Tot Ion:146 Resp: 184588

Ion Ratio Lower Upper

146 100

111 42.9 21.5 64.5

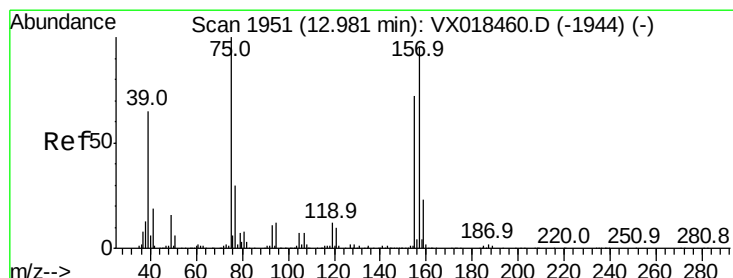
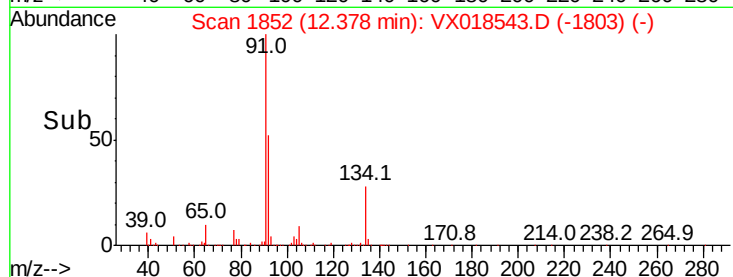
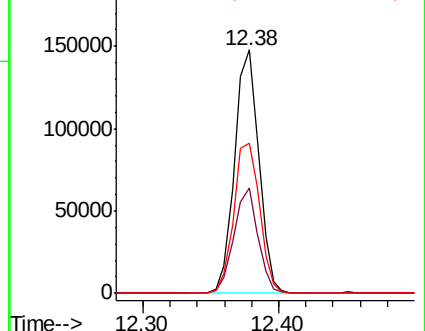
148 65.5 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.251 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

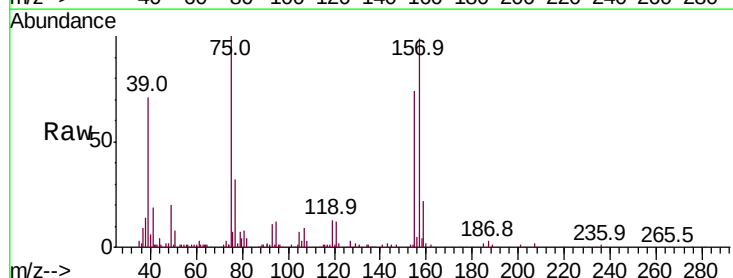
Tgt Ion: 75 Resp: 31201

Ion Ratio Lower Upper

75 100

155 77.6 38.8 116.4

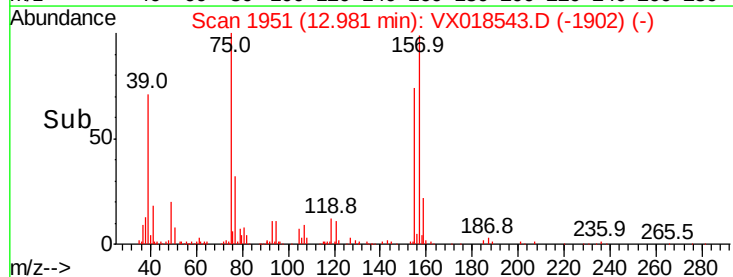
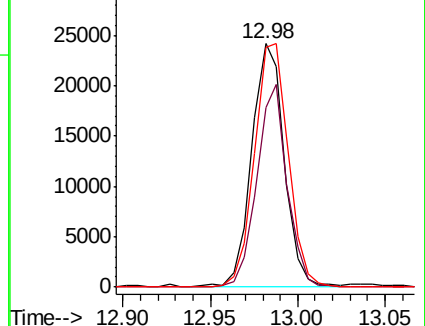
157 103.9 51.1 153.3

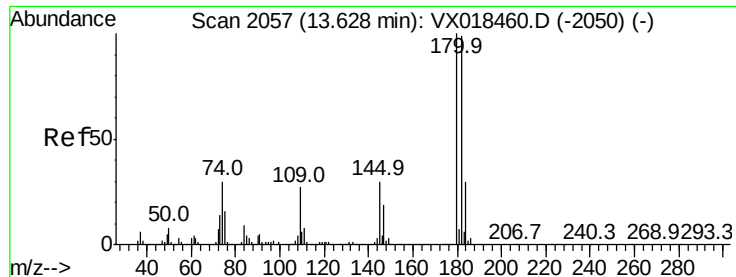


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 17.406 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

Instrument :

MSVOA\_X

ClientSampled :

VX0923WBS01

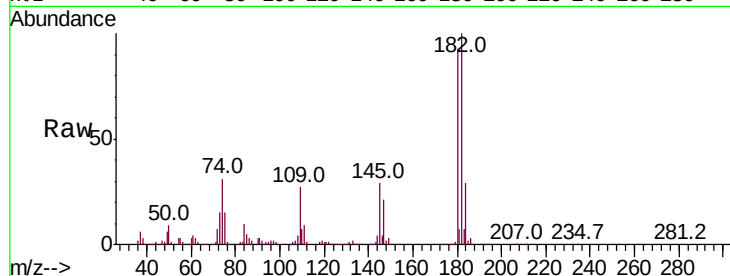
Tot Ion:180 Resp: 119672

Ion Ratio Lower Upper

180 100

182 98.5 50.2 150.6

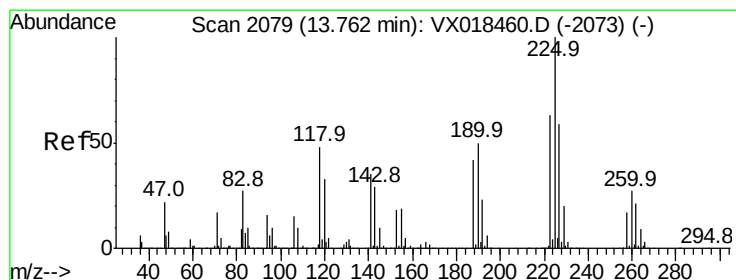
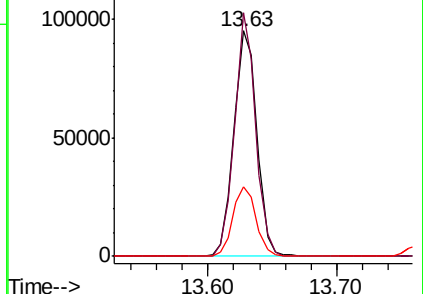
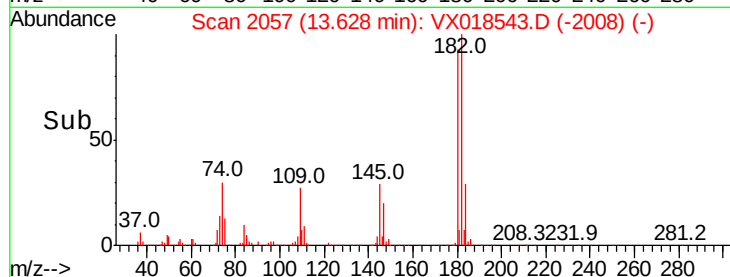
145 31.2 15.7 47.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.298 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX018543.D

Acq: 23 Sep 2020 18:45

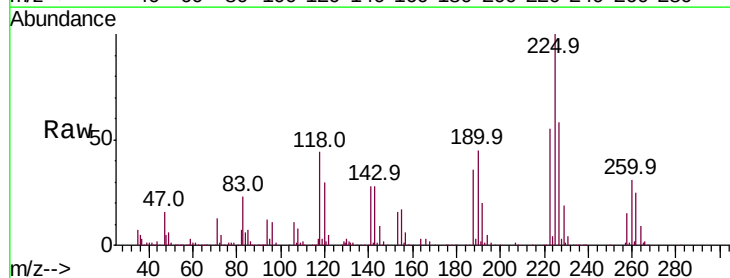
Tgt Ion:225 Resp: 58563

Ion Ratio Lower Upper

225 100

223 61.0 32.0 96.2

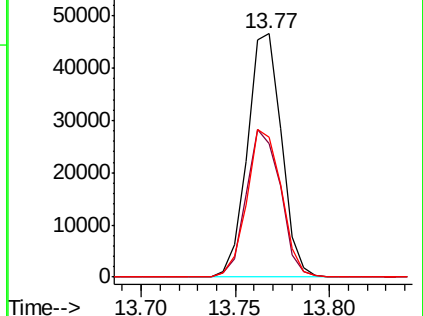
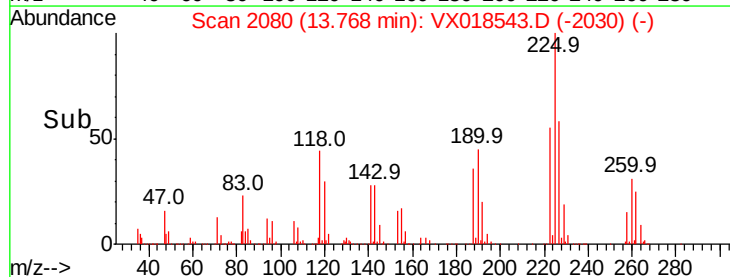
227 61.9 31.7 95.1

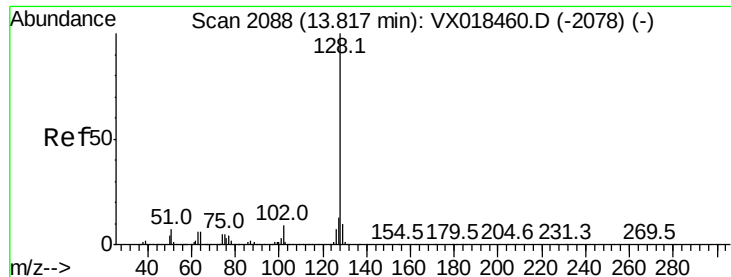


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

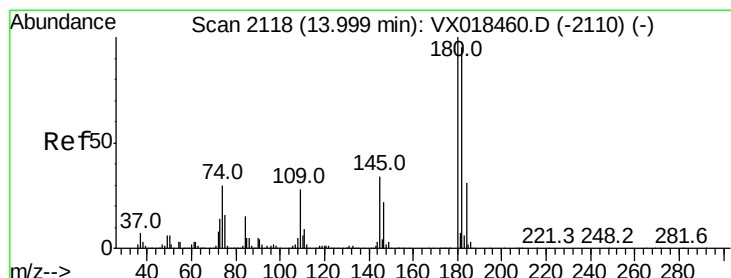
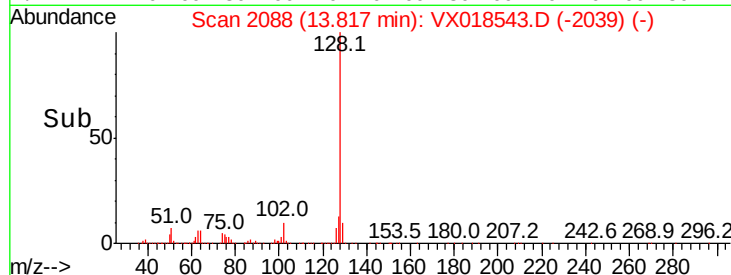
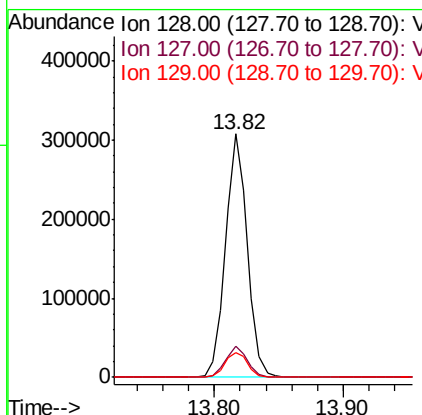
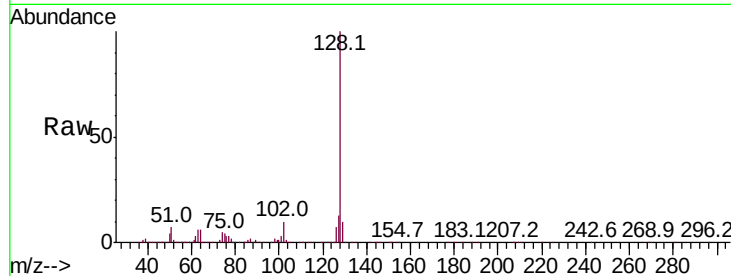




#95  
Naphthalene  
Concen: 17.669 ug/l  
RT: 13.82 min Scan# 2088  
Delta R.T. 0.00 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0923WBS01

Tot Ion:128 Resp: 366882  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.3 15.5  
129 10.7 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 17.608 ug/l  
RT: 14.00 min Scan# 2118  
Delta R.T. 0.00 min  
Lab File: VX018543.D  
Acq: 23 Sep 2020 18:45

Tgt Ion:180 Resp: 115699  
Ion Ratio Lower Upper  
180 100  
182 102.3 47.1 141.3  
145 36.0 16.8 50.4

