

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102320\NOT REVIEWED DATA\  
 Data File : VX019069.D  
 Acq On : 23 Oct 2020 10:16  
 Operator : JC/SP  
 Sample : VSTDICCC020  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 03 12:52:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Oct 26 11:58:08 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 4.98  | 128  | 44980    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.83  | 114  | 254932   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.10 | 117  | 226671   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.03   | 65    | 92638    | 30.92    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 91 - 110 | Recovery | =    | 103.07% |
| 60) 4-Bromofluorobenzene  | 11.12  | 95    | 100297   | 29.48    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 63 - 112 | Recovery | =    | 98.27%  |
| 63) Toluene-d8            | 8.70   | 98    | 303169   | 30.29    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 91 - 112 | Recovery | =    | 100.97% |

## Target Compounds

|                               |      |     |        |        | Ovalue     |
|-------------------------------|------|-----|--------|--------|------------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 38881  | 17.201 | ug/l 100   |
| 3) Chloromethane              | 1.31 | 50  | 35989  | 17.620 | ug/l 100   |
| 4) Vinyl Chloride             | 1.39 | 62  | 46874  | 17.511 | ug/l 100   |
| 5) Bromomethane               | 1.64 | 94  | 40785  | 19.817 | ug/l 100   |
| 6) Chloroethane               | 1.72 | 64  | 31229  | 17.215 | ug/l 100   |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 78623  | 16.867 | ug/l 100   |
| 8) Diethyl Ether              | 2.17 | 74  | 30148  | 17.255 | ug/l 100   |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 38262  | 17.179 | ug/l 100   |
| 10) 1,1-Dichloroethene        | 2.36 | 96  | 38592  | 17.044 | ug/l 100   |
| 11) Methyl Iodide             | 2.49 | 142 | 26908  | 16.384 | ug/l 100   |
| 12) Methyl Acetate            | 2.75 | 43  | 38398  | 17.130 | ug/l 100   |
| 13) Acrolein                  | 2.28 | 56  | 13627  | 66.025 | ug/l 100   |
| 14) Acrylonitrile             | 3.12 | 53  | 89269  | 84.771 | ug/l 100   |
| 15) Acetone                   | 2.42 | 58  | 23806  | 78.916 | ug/l 100   |
| 16) Carbon Disulfide          | 2.55 | 76  | 107570 | 17.092 | ug/l 100   |
| 17) Allyl chloride            | 2.71 | 41  | 47409  | 16.762 | ug/l 100   |
| 18) Methylene Chloride        | 2.84 | 84  | 44257  | 17.139 | ug/l 100   |
| 19) trans-1,2-Dichloroethene  | 3.14 | 96  | 45251  | 17.111 | ug/l 100   |
| 20) Diisopropyl ether         | 3.82 | 45  | 96795  | 16.894 | ug/l 100   |
| 21) 1,1-Dichloroethane        | 3.67 | 63  | 72027  | 17.122 | ug/l 100   |
| 22) cis-1,2-Dichloroethene    | 4.57 | 96  | 52154  | 17.025 | ug/l 100   |
| 23) tert-Butyl Alcohol        | 3.01 | 59  | 42779  | 83.793 | ug/l 100   |
| 24) Methyl tert-Butyl Ether   | 3.17 | 73  | 121443 | 16.962 | ug/l 100   |
| 25) Chloroform                | 5.18 | 83  | 79142  | 16.979 | ug/l 100   |
| 26) Cyclohexane               | 5.55 | 56  | 55201  | 16.886 | ug/l # 100 |
| 29) 1,1-Dichloropropene       | 5.77 | 75  | 59932  | 16.664 | ug/l 100   |
| 30) 2-Butanone                | 4.64 | 43  | 117513 | 82.020 | ug/l 100   |
| 31) 2,2-Dichloropropane       | 4.55 | 77  | 69061  | 16.783 | ug/l 100   |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97  | 72276  | 16.720 | ug/l 100   |
| 33) Carbon Tetrachloride      | 5.76 | 117 | 61076  | 16.282 | ug/l 100   |
| 34) Benzene                   | 6.11 | 78  | 176607 | 16.689 | ug/l 100   |
| 35) Methacrylonitrile         | 5.01 | 41  | 26940  | 17.369 | ug/l 100   |
| 36) 1,2-Dichloroethane        | 6.16 | 62  | 60922  | 16.783 | ug/l 100   |
| 37) Trichloroethene           | 7.18 | 130 | 49832  | 16.383 | ug/l 100   |
| 38) Methylcyclohexane         | 7.44 | 83  | 66634  | 16.529 | ug/l 100   |
| 39) 1,2-Dichloropropane       | 7.49 | 63  | 40050  | 16.305 | ug/l 100   |
| 40) Dibromomethane            | 7.63 | 93  | 31335  | 16.437 | ug/l 100   |

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 QLast Update : Mon Oct 26 11:58:08 2020  
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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Bromodichloromethane       | 7.87  | 83   | 60966    | 16.176  | ug/l  | 100      |
| 42) Vinyl Acetate              | 3.78  | 43   | 468931   | 84.117  | ug/l  | 100      |
| 43) Ethyl Acetate              | 4.79  | 43   | 49464    | 16.457  | ug/l  | 100      |
| 44) Isopropyl Acetate          | 6.41  | 43   | 82195    | 16.331  | ug/l  | 100      |
| 45) 1,4-Dioxane                | 7.73  | 88   | 18114    | 342.405 | ug/l  | 100      |
| 46) Methyl methacrylate        | 7.74  | 41   | 40188    | 16.871  | ug/l  | 100      |
| 47) n-amyl Acetate             | 10.88 | 43   | 65551    | 16.237  | ug/l  | 100      |
| 48) t-1,3-Dichloropropene      | 9.02  | 75   | 68073    | 16.134  | ug/l  | 100      |
| 49) cis-1,3-Dichloropropene    | 8.42  | 75   | 73047    | 16.269  | ug/l  | 100      |
| 50) 1,1,2-Trichloroethane      | 9.20  | 97   | 44841    | 16.240  | ug/l  | 100      |
| 51) Ethyl methacrylate         | 9.16  | 69   | 64995    | 16.132  | ug/l  | 100      |
| 52) 1,3-Dichloropropane        | 9.35  | 76   | 74398    | 16.540  | ug/l  | 100      |
| 53) Dibromochloromethane       | 9.57  | 129  | 47364    | 15.409  | ug/l  | 100      |
| 54) 1,2-Dibromoethane          | 9.65  | 107  | 48975    | 16.323  | ug/l  | 100      |
| 55) 2-Chloroethyl vinyl ether  | 8.29  | 63   | 200486   | 93.113  | ug/l  | 100      |
| 56) Bromoform                  | 10.84 | 173  | 32390    | 15.073  | ug/l  | 100      |
| 58) 4-Methyl-2-Pentanone       | 8.62  | 43   | 245346   | 85.830  | ug/l  | 100      |
| 59) 2-Hexanone                 | 9.47  | 43   | 185476   | 87.074  | ug/l  | 100      |
| 61) Tetrachloroethene          | 9.32  | 164  | 45635    | 16.970  | ug/l  | 100      |
| 62) Toluene                    | 8.76  | 91   | 199184   | 16.720  | ug/l  | 100      |
| 64) Chlorobenzene              | 10.12 | 112  | 121433   | 16.398  | ug/l  | 100      |
| 65) 1,1,1,2-Tetrachloroethane  | 10.20 | 131  | 43787    | 16.258  | ug/l  | 100      |
| 66) Ethyl Benzene              | 10.23 | 91   | 216962   | 16.612  | ug/l  | 100      |
| 67) m/p-Xylenes                | 10.34 | 106  | 164054   | 32.936  | ug/l  | 100      |
| 68) o-Xylene                   | 10.68 | 106  | 76826    | 16.172  | ug/l  | 100      |
| 69) Styrene                    | 10.70 | 104  | 127773   | 15.964  | ug/l  | 100      |
| 70) Isopropylbenzene           | 11.00 | 105  | 206952   | 16.202  | ug/l  | 100      |
| 71) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 61252    | 16.610  | ug/l  | 100      |
| 72) 1,2,3-Trichloropropane     | 11.28 | 75   | 71840    | 21.663  | ug/l  | 86       |
| 73) Bromobenzene               | 11.24 | 156  | 50531    | 16.187  | ug/l  | 100      |
| 74) n-propylbenzene            | 11.34 | 91   | 237996   | 16.455  | ug/l  | 100      |
| 75) 2-Chlorotoluene            | 11.40 | 91   | 133204   | 16.282  | ug/l  | 100      |
| 76) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 167069   | 16.119  | ug/l  | 100      |
| 77) t-1,4-Dichloro-2-butene    | 11.05 | 75   | 20958    | 15.914  | ug/l  | 100      |
| 78) 4-Chlorotoluene            | 11.49 | 91   | 156531   | 16.282  | ug/l  | 100      |
| 79) tert-butylbenzene          | 11.76 | 119  | 165167   | 16.182  | ug/l  | 100      |
| 80) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 168826   | 16.385  | ug/l  | 100      |
| 81) sec-Butylbenzene           | 11.93 | 105  | 196853   | 16.300  | ug/l  | 100      |
| 82) p-Isopropyltoluene         | 12.05 | 119  | 179003   | 16.082  | ug/l  | 100      |
| 83) 1,3-Dichlorobenzene        | 12.01 | 146  | 90250    | 16.175  | ug/l  | 100      |
| 84) 1,4-Dichlorobenzene        | 12.08 | 146  | 91209    | 16.100  | ug/l  | 100      |
| 85) n-Butylbenzene             | 12.37 | 91   | 159765   | 16.031  | ug/l  | 100      |
| 86) Hexachloroethane           | 12.58 | 117  | 25976    | 15.194  | ug/l  | 100      |
| 87) 1,2-Dichlorobenzene        | 12.38 | 146  | 86517    | 16.197  | ug/l  | 100      |
| 88) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 13392    | 16.046  | ug/l  | 100      |
| 89) 1,2,4-Trichlorobenzene     | 13.63 | 180  | 60675    | 15.785  | ug/l  | 100      |
| 90) Hexachlorobutadiene        | 13.76 | 225  | 25475    | 15.630  | ug/l  | 100      |
| 91) Naphthalene                | 13.82 | 128  | 199070   | 15.820  | ug/l  | 100      |
| 92) 1,2,3-Trichlorobenzene     | 14.00 | 180  | 58653    | 15.862  | ug/l  | 100      |

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QLast Update : Mon Oct 26 11:58:08 2020  
Response via : Initial Calibration

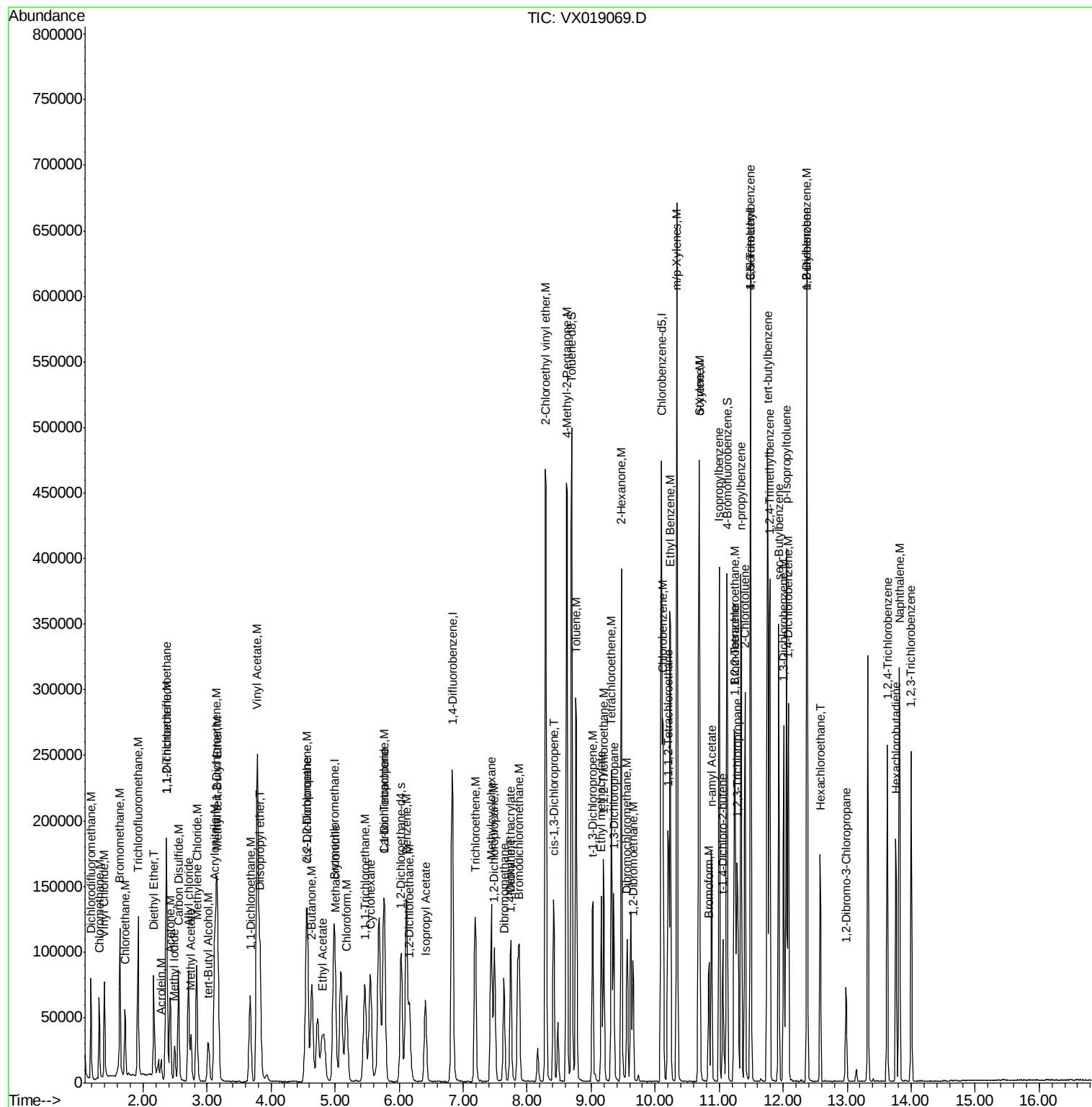
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

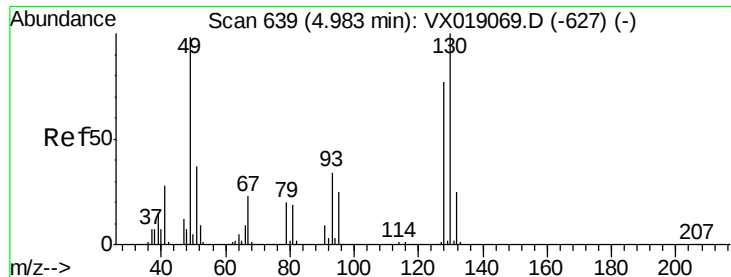
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :  
MSVOA\_X  
ClientSampled :

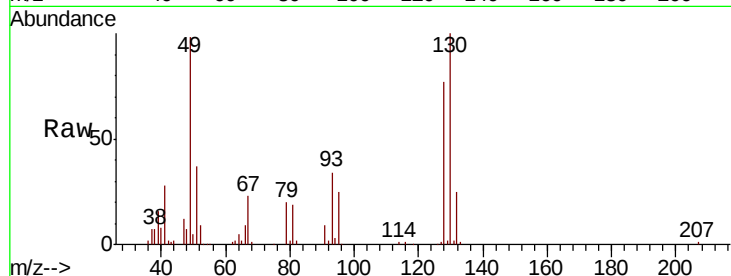
Tot Ion:128 Resp: 44980

Ion Ratio Lower Upper

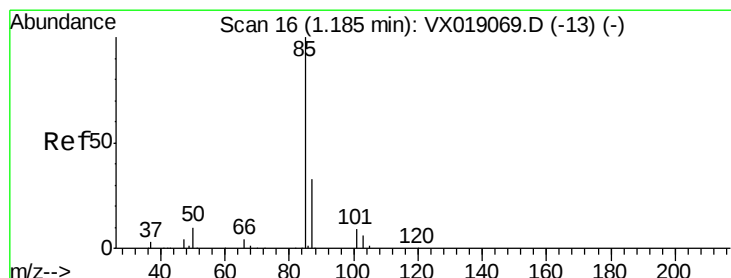
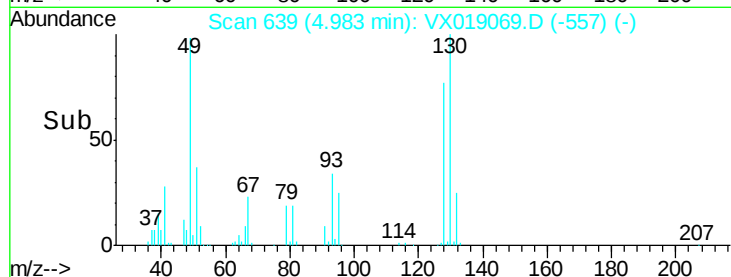
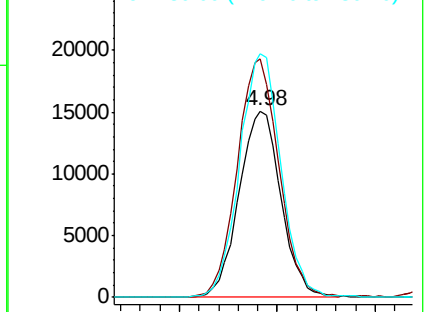
128 100

49 127.5 0.0 318.8

130 128.7 0.0 321.8



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 49.00 (48.70 to 49.70): VX0  
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 17.201 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019069.D

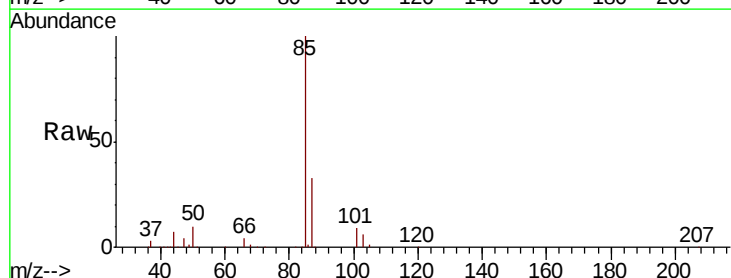
Acq: 23 Oct 2020 10:16

Tgt Ion: 85 Resp: 38881

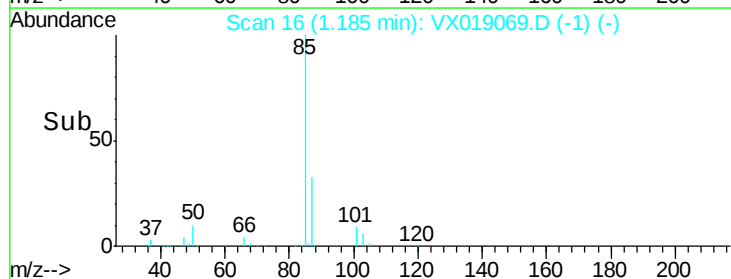
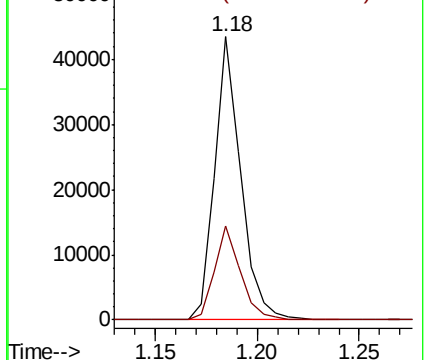
Ion Ratio Lower Upper

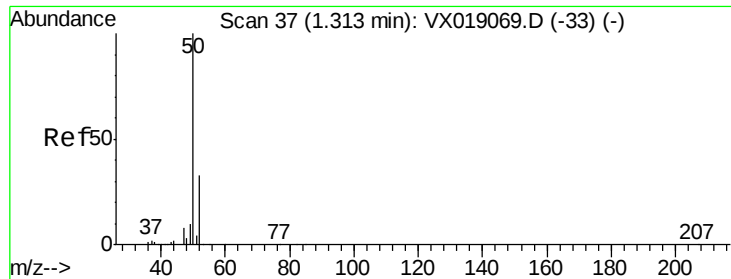
85 100

87 33.1 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0  
Ion 87.00 (86.70 to 87.70): VX0

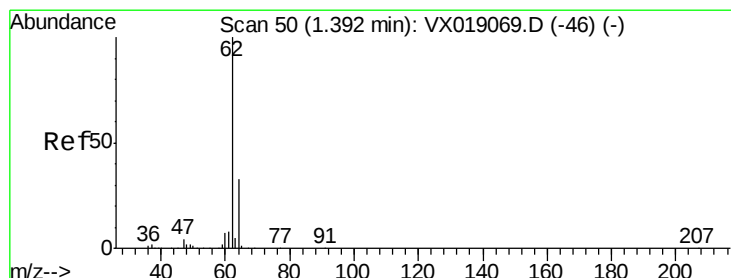
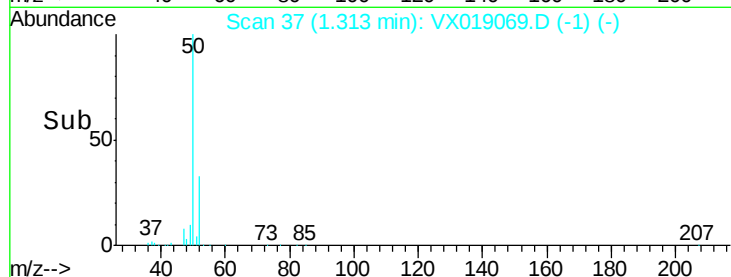
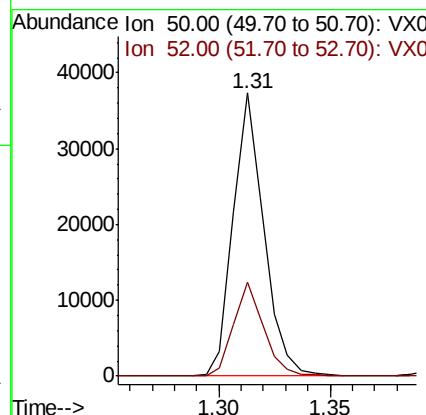
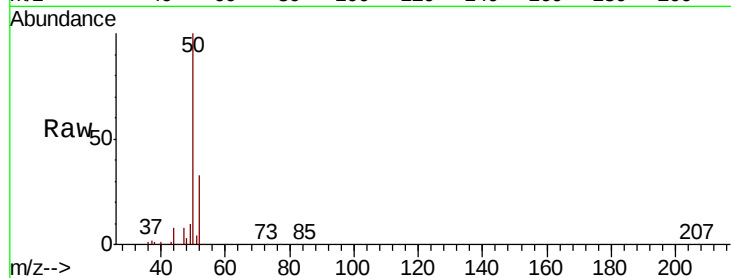




#3  
Chloromethane  
Concen: 17.620 ug/l  
RT: 1.31 min Scan# 37  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

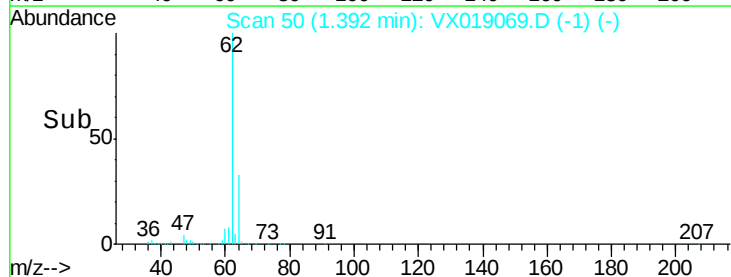
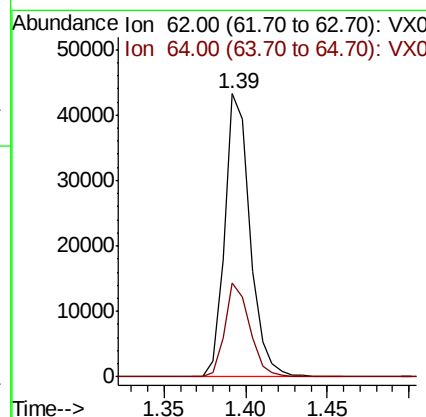
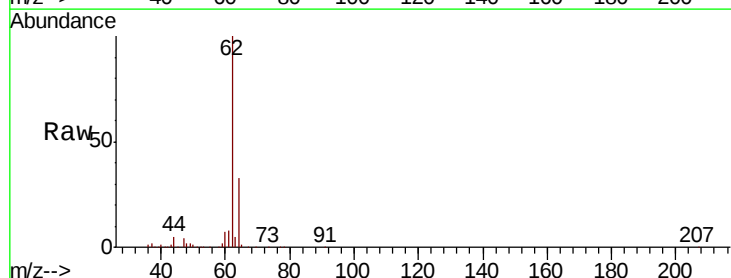
Instrument :  
MSVOA\_X  
ClientSampleId :

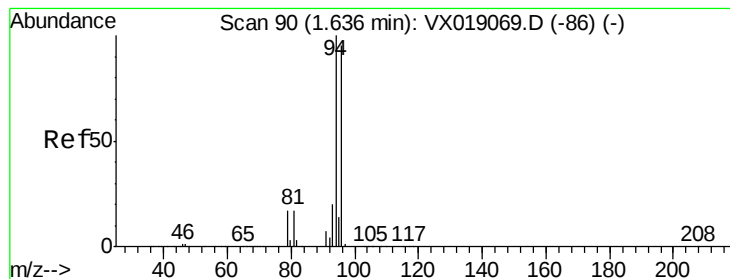
Tot Ion: 50 Resp: 35989  
Ion Ratio Lower Upper  
50 100  
52 33.4 26.7 40.1



#4  
Vinyl Chloride  
Concen: 17.511 ug/l  
RT: 1.39 min Scan# 50  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Tgt Ion: 62 Resp: 46874  
Ion Ratio Lower Upper  
62 100  
64 33.4 26.7 40.1





#5

Bromomethane

Concen: 19.817 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

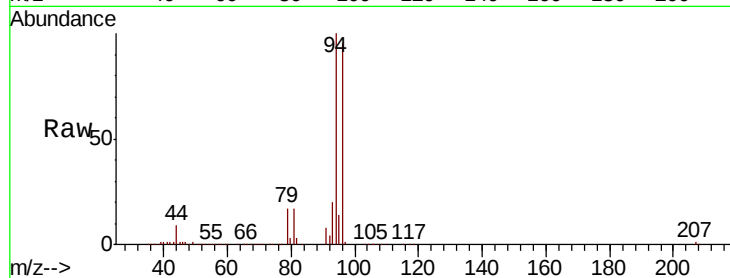
ClientSampleId :

Tot Ion: 94 Resp: 40785

Ion Ratio Lower Upper

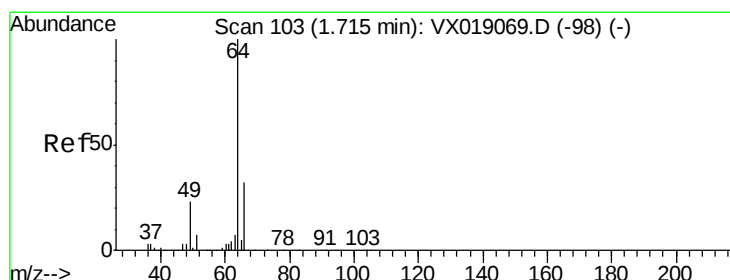
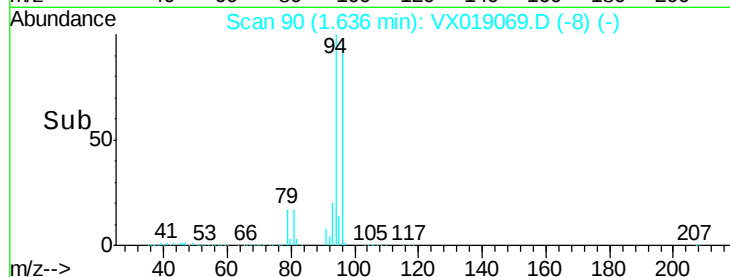
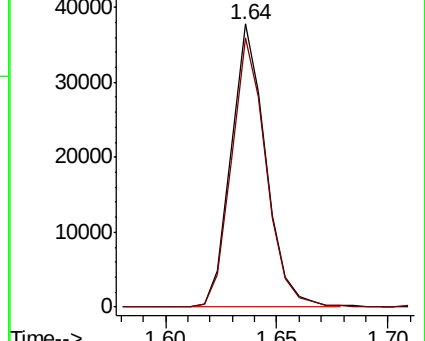
94 100

96 95.2 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 17.215 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX019069.D

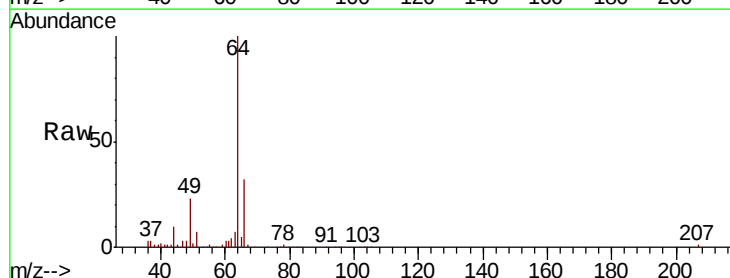
Acq: 23 Oct 2020 10:16

Tgt Ion: 64 Resp: 31229

Ion Ratio Lower Upper

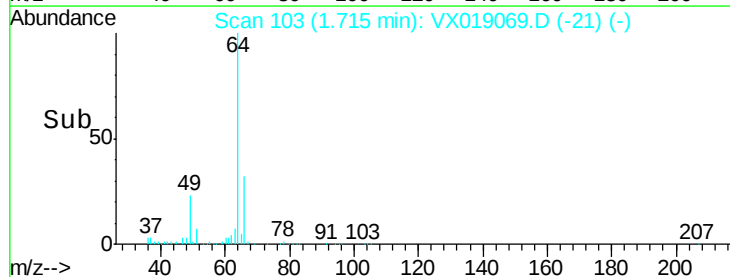
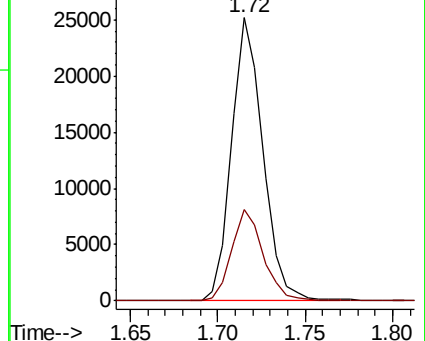
64 100

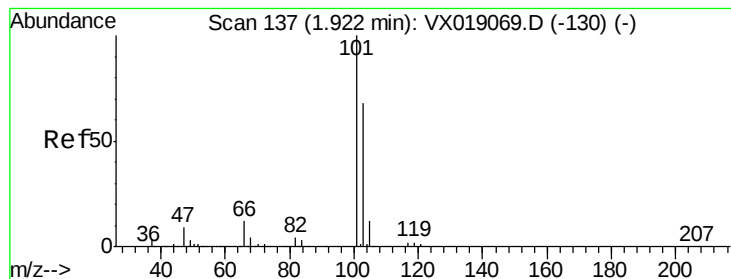
66 32.4 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



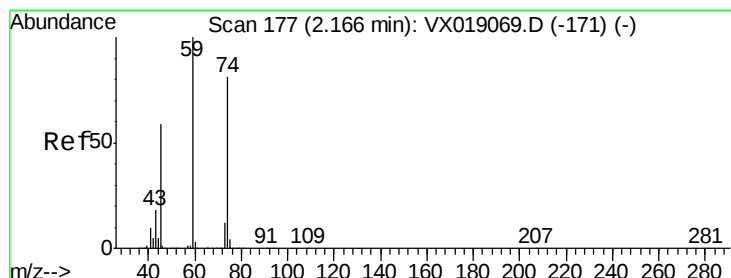
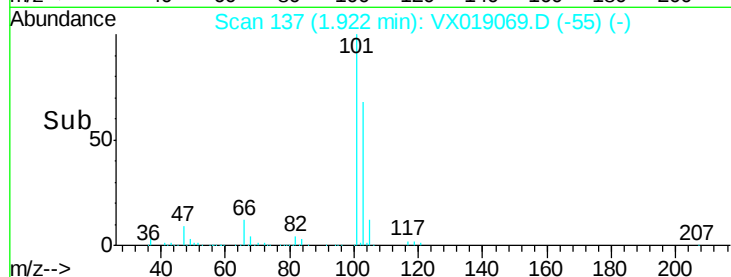
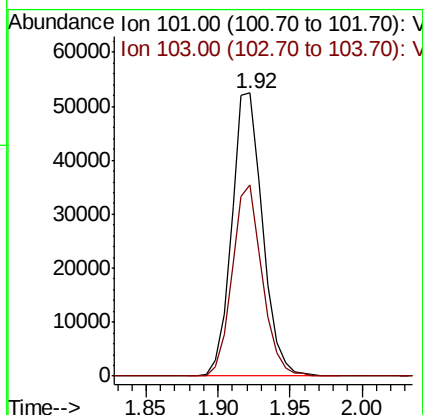
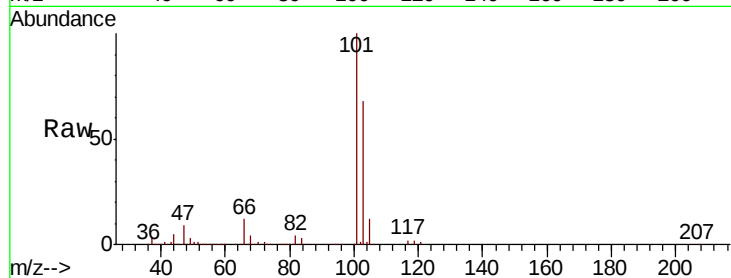


#7

Trichlorofluoromethane  
 Concen: 16.867 ug/l  
 RT: 1.92 min Scan# 137  
 Delta R.T. 0.00 min  
 Lab File: VX019069.D  
 Acq: 23 Oct 2020 10:16

Instrument :  
 MSVOA\_X  
 ClientSampleId :

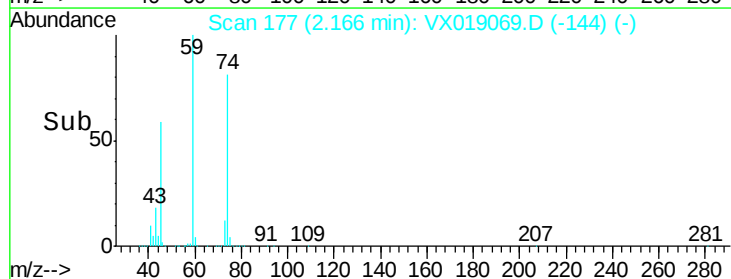
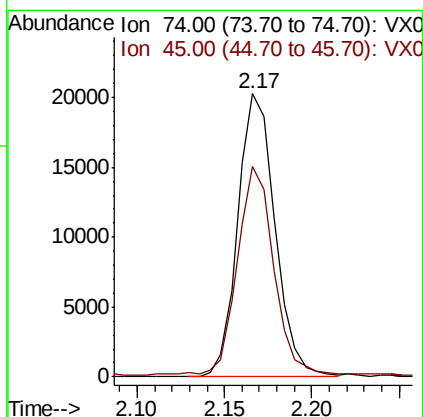
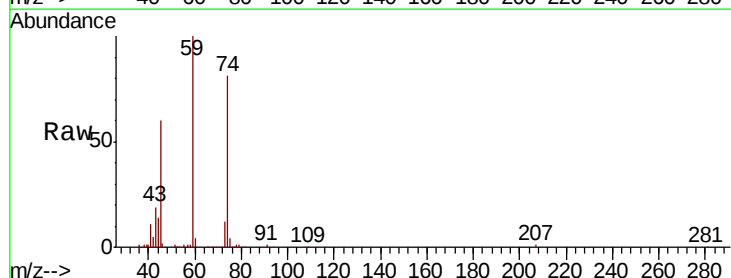
Tot Ion:101 Resp: 78623  
 Ion Ratio Lower Upper  
 101 100  
 103 67.8 54.2 81.4

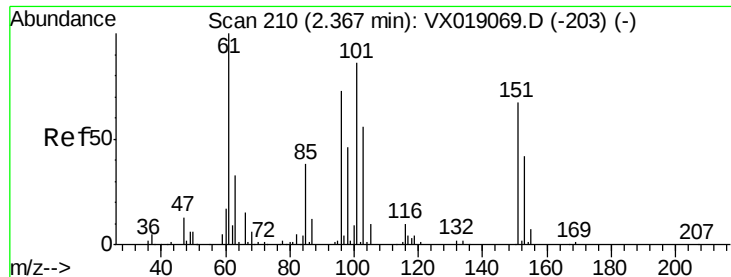


#8

Diethyl Ether  
 Concen: 17.255 ug/l  
 RT: 2.17 min Scan# 177  
 Delta R.T. 0.00 min  
 Lab File: VX019069.D  
 Acq: 23 Oct 2020 10:16

Tgt Ion: 74 Resp: 30148  
 Ion Ratio Lower Upper  
 74 100  
 45 72.6 14.5 130.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.179 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

ClientSampled :

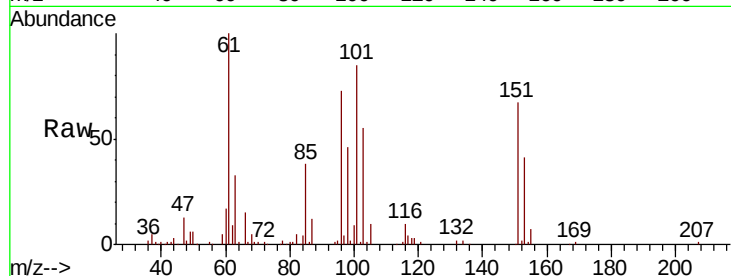
Tot Ion:101 Resp: 38262

Ion Ratio Lower Upper

101 100

85 43.5 0.0 87.0

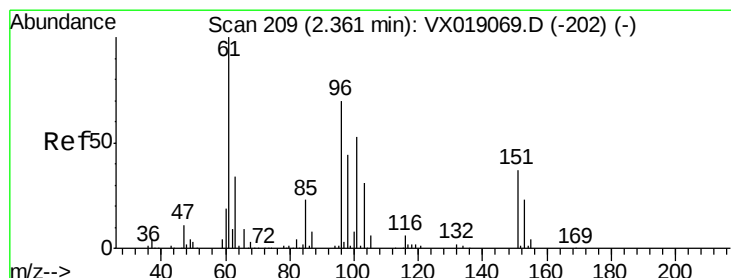
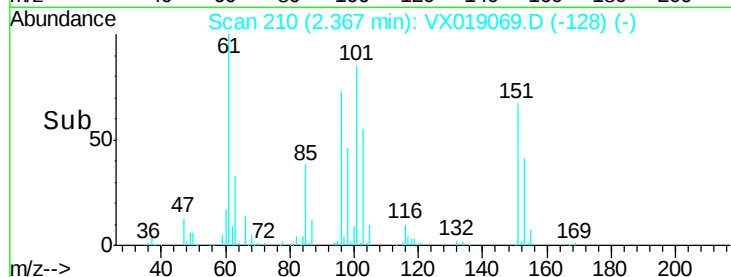
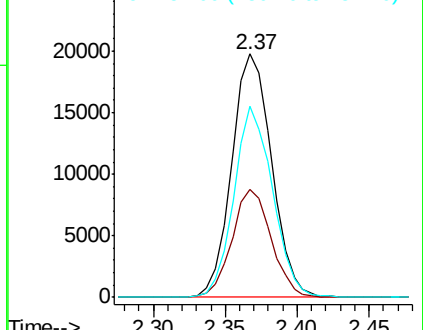
151 75.9 0.0 151.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 17.044 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

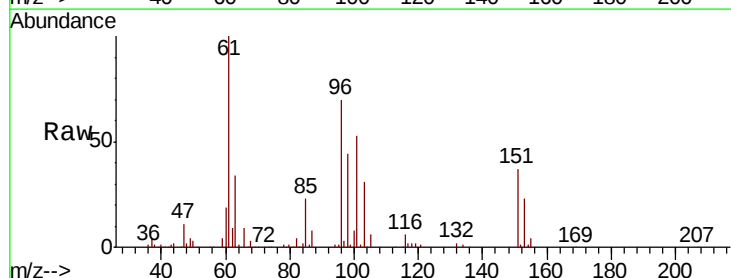
Tgt Ion: 96 Resp: 38592

Ion Ratio Lower Upper

96 100

61 142.3 113.8 170.8

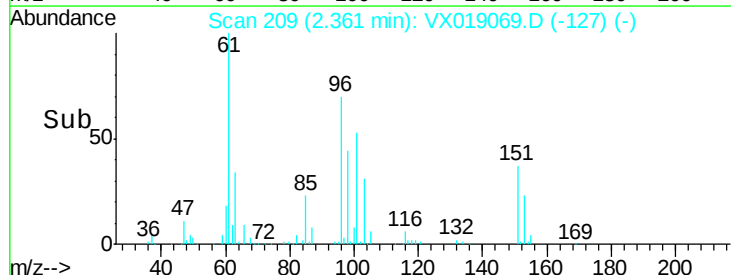
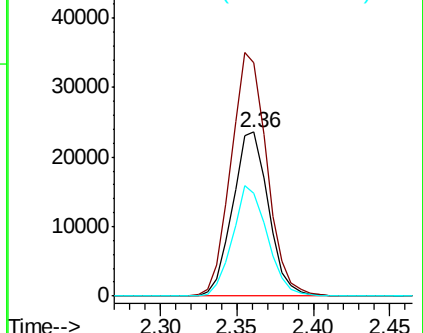
98 63.0 50.4 75.6

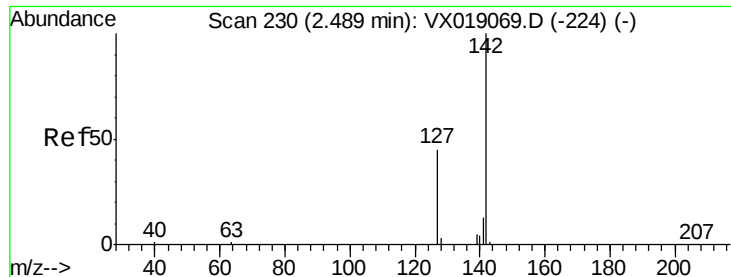


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

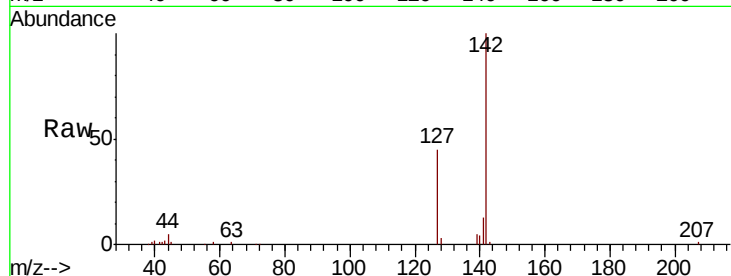




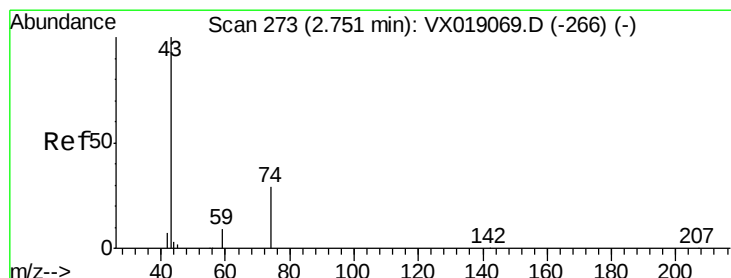
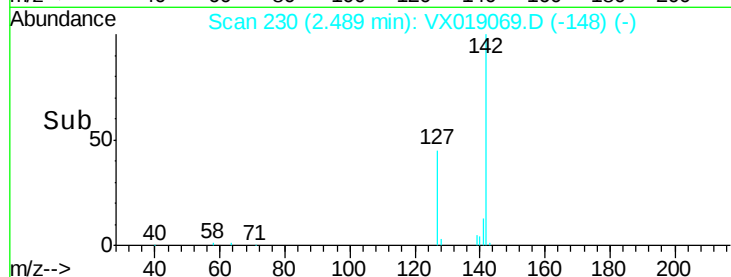
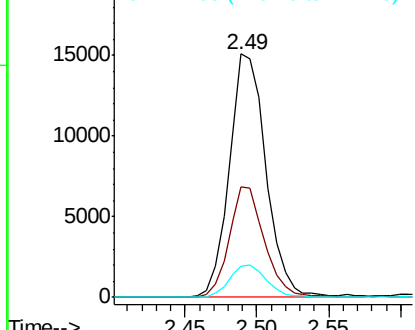
#11  
Methyl Iodide  
Concen: 16.384 ug/l  
RT: 2.49 min Scan# 230  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:142 Resp: 26908  
Ion Ratio Lower Upper  
142 100  
127 45.1 22.6 67.7  
141 12.7 6.3 19.1

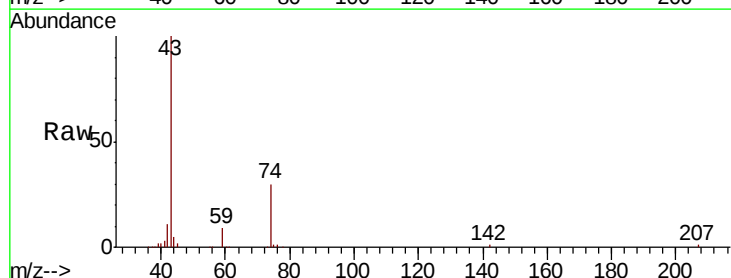


Abundance Ion 142.00 (141.70 to 142.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 141.00 (140.70 to 141.70): V

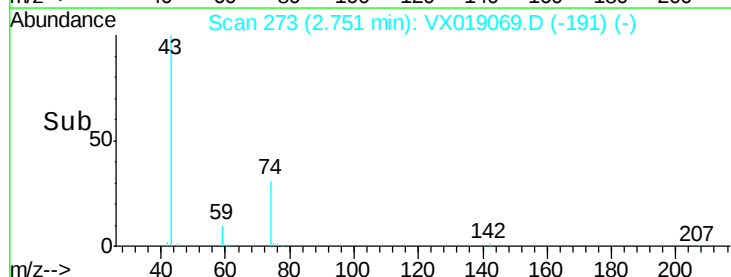
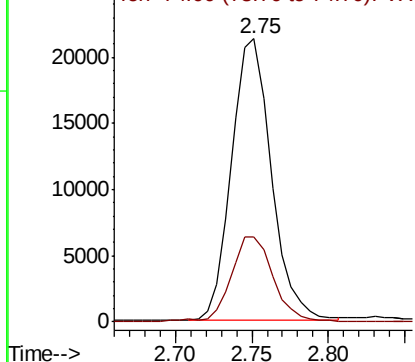


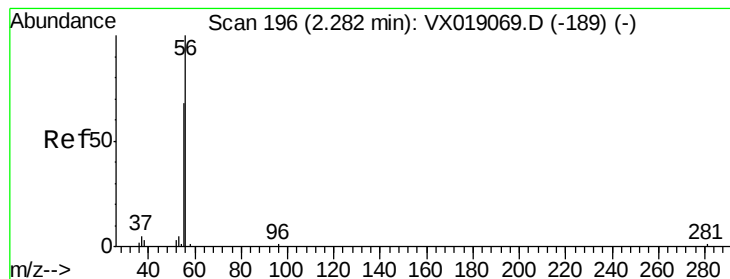
#12  
Methyl Acetate  
Concen: 17.130 ug/l  
RT: 2.75 min Scan# 273  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Tgt Ion: 43 Resp: 38398  
Ion Ratio Lower Upper  
43 100  
74 29.9 23.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 66.025 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.00 min

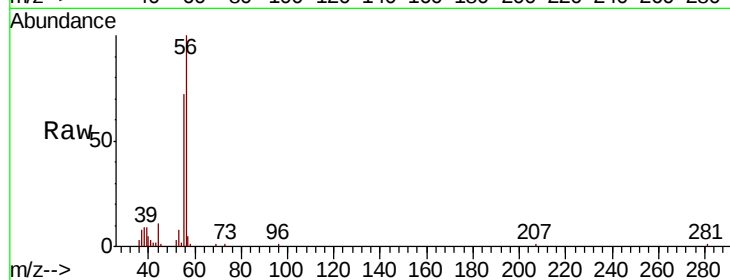
Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 56 Resp: 13627

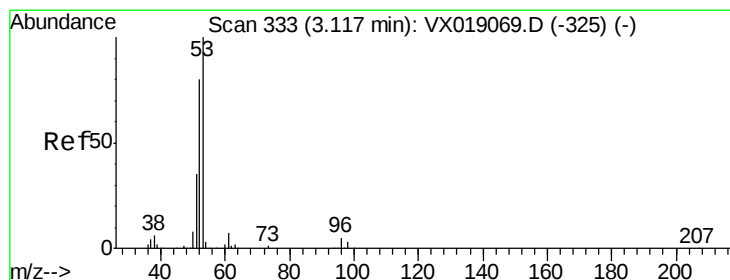
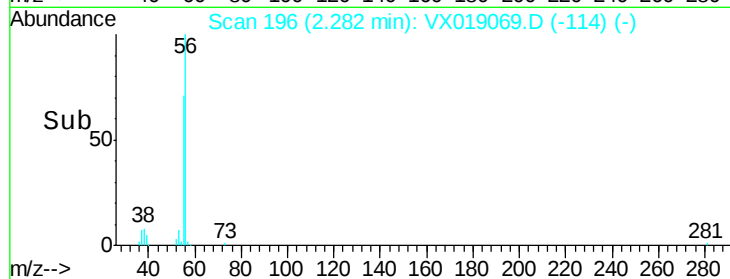
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 55  | 72.4  | 58.2  | 87.2  |



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28



#14

Acrylonitrile

Concen: 84.771 ug/l

RT: 3.12 min Scan# 333

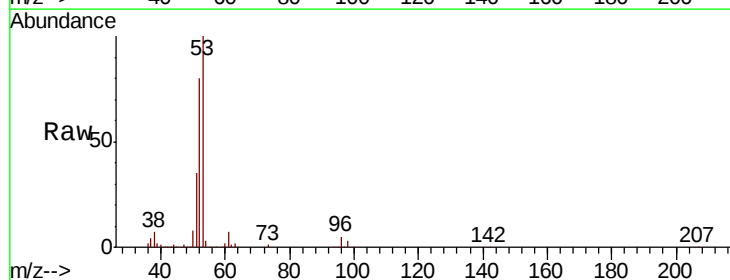
Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Tgt Ion: 53 Resp: 89269

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 82.0  | 41.0  | 123.0 |
| 51  | 36.4  | 18.2  | 54.6  |

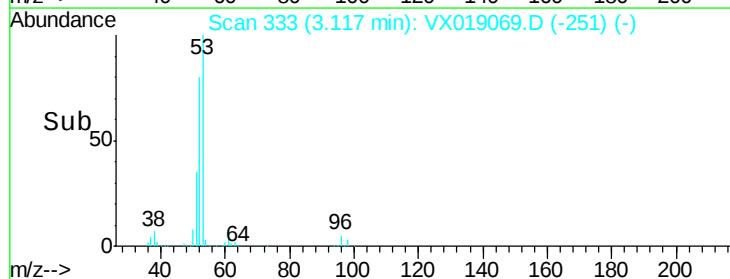


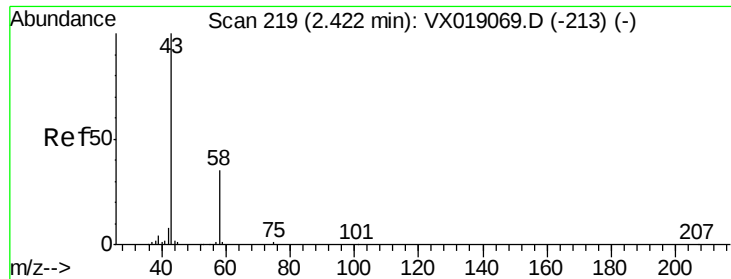
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

3.12





#15

Acetone

Concen: 78.916 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

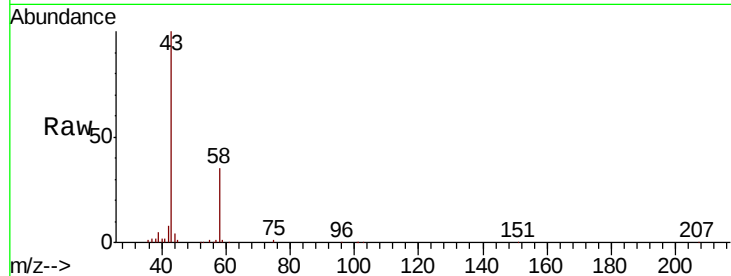
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 58 Resp: 23806

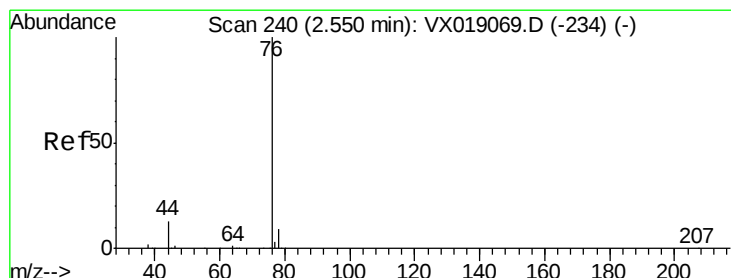
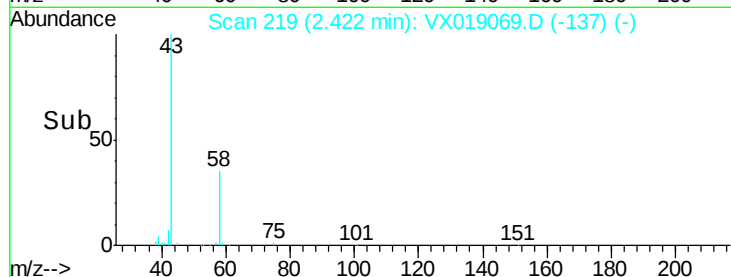
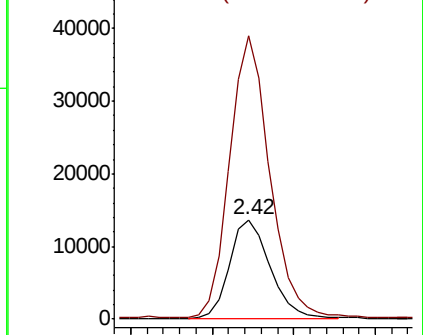
Ion Ratio Lower Upper

58 100

43 283.4 226.7 340.1



Abundance Ion 58.00 (57.70 to 58.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 17.092 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019069.D

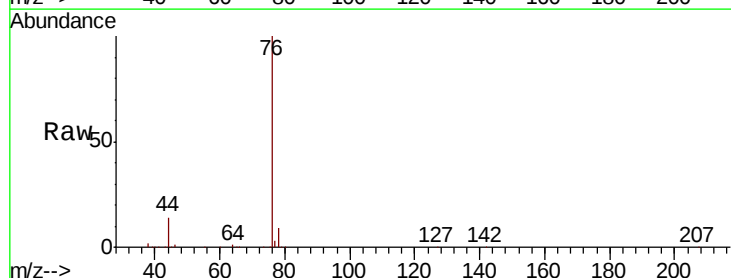
Acq: 23 Oct 2020 10:16

Tgt Ion: 76 Resp: 107570

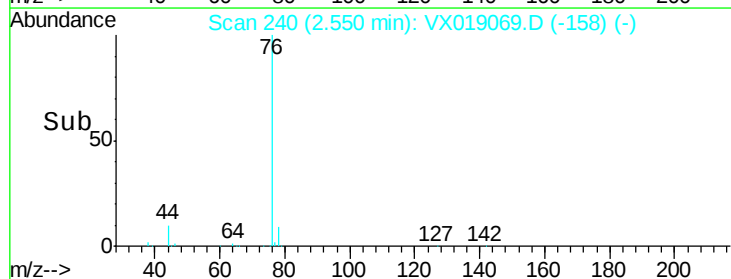
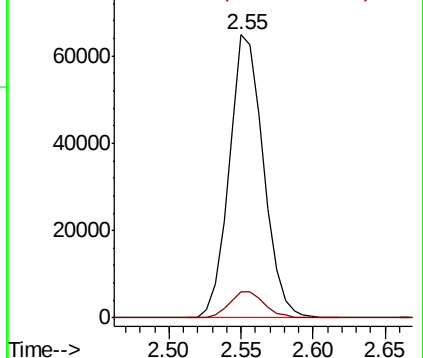
Ion Ratio Lower Upper

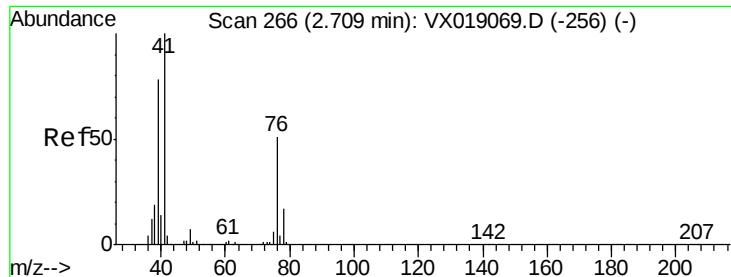
76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VX0  
Ion 78.00 (77.70 to 78.70): VX0

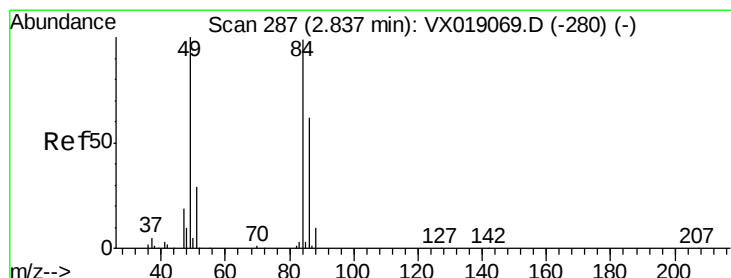
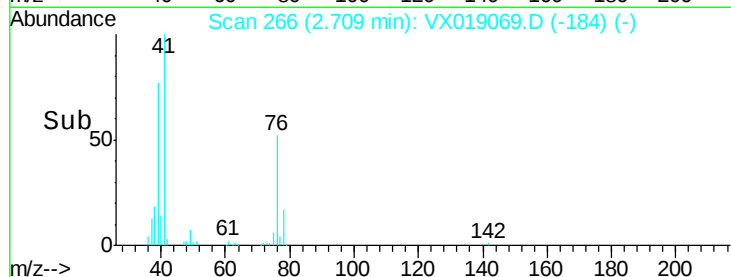
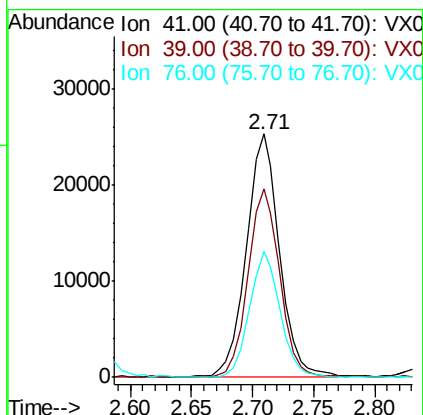
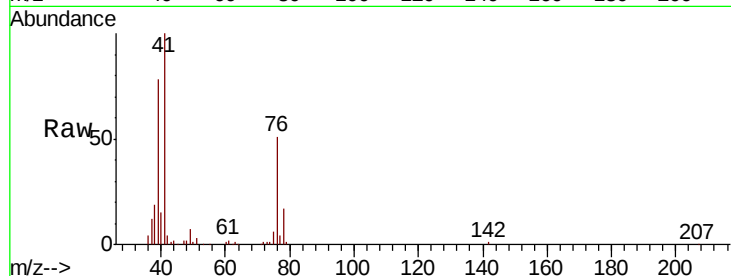




#17  
Allvl chloride  
Concen: 16.762 ug/l  
RT: 2.71 min Scan# 266  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

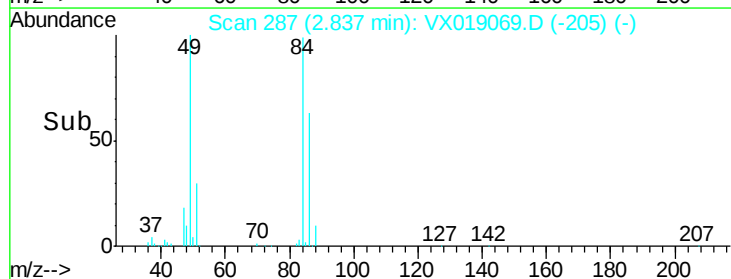
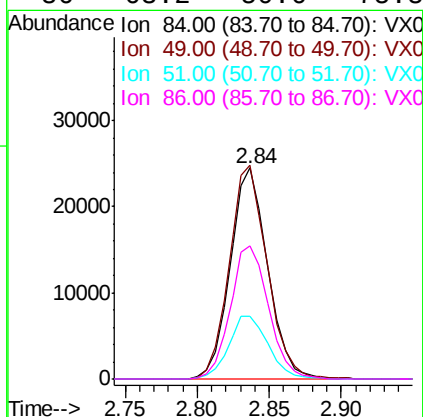
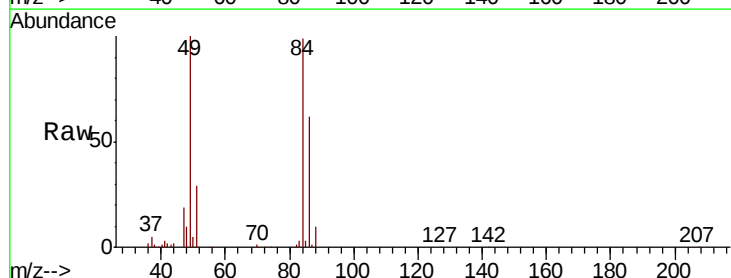
Instrument :  
MSVOA\_X  
ClientSampleId :

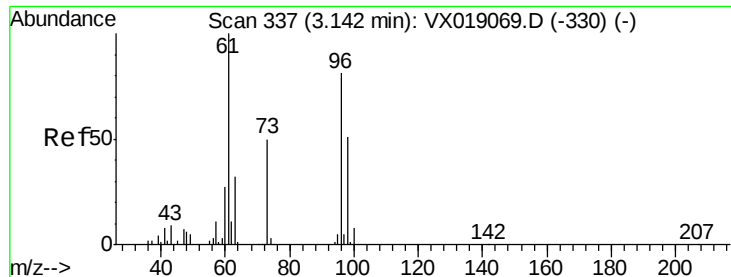
Tot Ion: 41 Resp: 47409  
Ion Ratio Lower Upper  
41 100  
39 77.5 38.8 116.3  
76 51.6 25.8 77.4



#18  
Methylene Chloride  
Concen: 17.139 ug/l  
RT: 2.84 min Scan# 287  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Tgt Ion: 84 Resp: 44257  
Ion Ratio Lower Upper  
84 100  
49 101.1 80.9 121.3  
51 29.7 23.8 35.6  
86 63.2 50.6 75.8

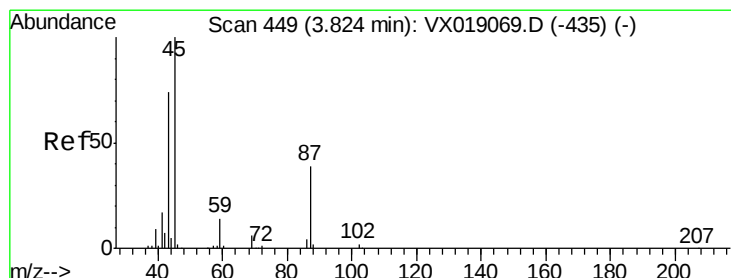
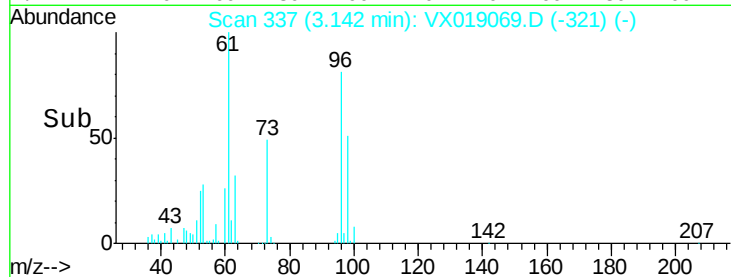
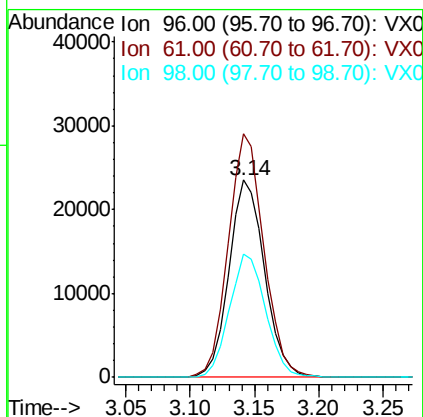
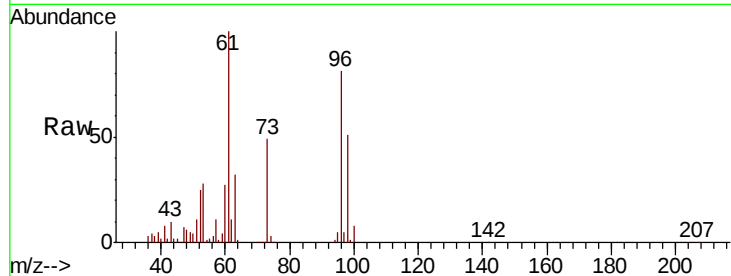




#19  
trans-1,2-Dichloroethene  
Concen: 17.111 ug/l  
RT: 3.14 min Scan# 337  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

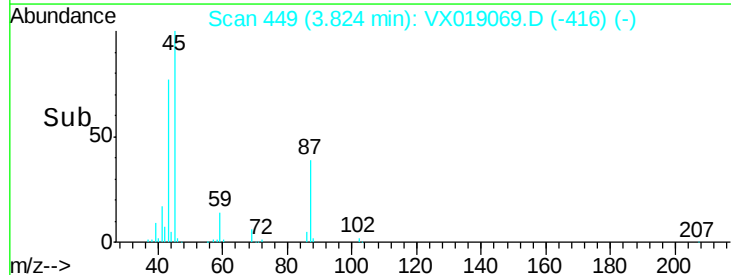
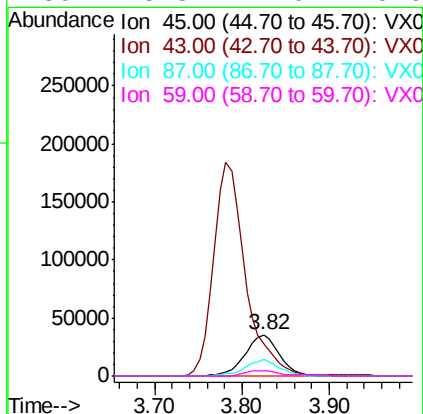
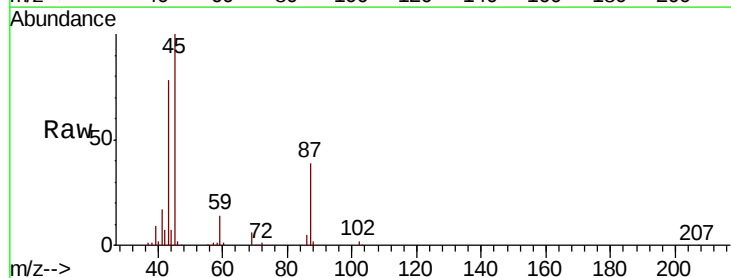
Instrument :  
MSVOA\_X  
ClientSampleId :

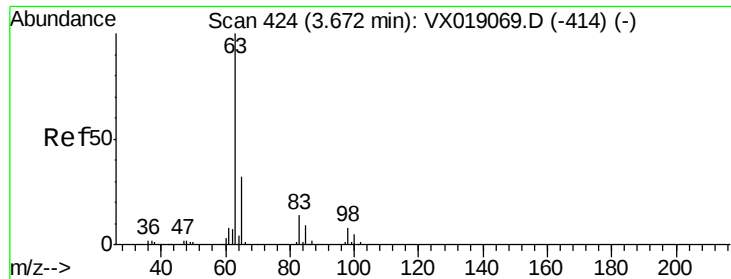
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 123.0 | 98.4  | 147.6 |
| 98      | 62.4  | 49.9  | 74.9  |



#20  
Diisopropyl ether  
Concen: 16.894 ug/l  
RT: 3.82 min Scan# 449  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 75.8  | 60.6  | 91.0  |
| 87      | 38.6  | 30.9  | 46.3  |
| 59      | 13.8  | 11.0  | 16.6  |





#21

1,1-Dichloroethane

Concen: 17.122 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

ClientSampleId :

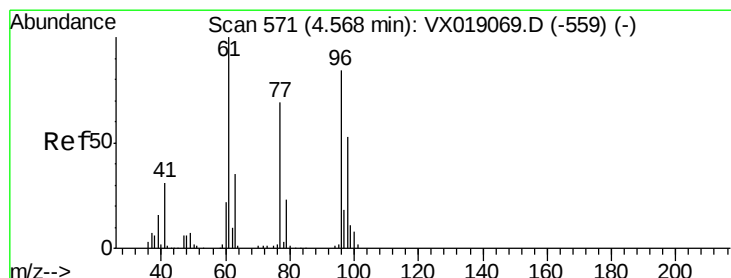
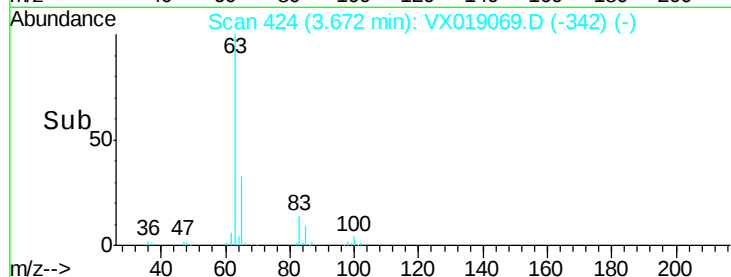
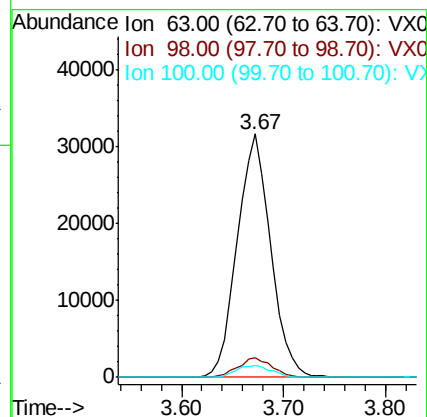
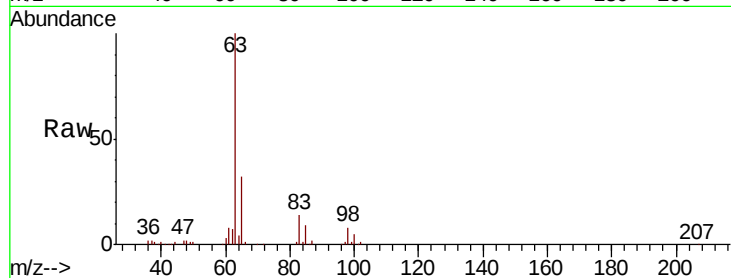
Tot Ion: 63 Resp: 72027

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

100 4.8 2.4 7.2



#22

cis-1,2-Dichloroethene

Concen: 17.025 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

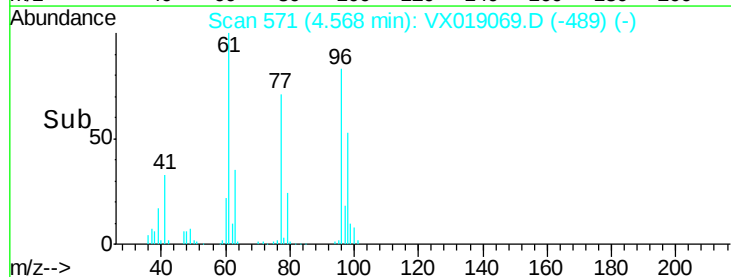
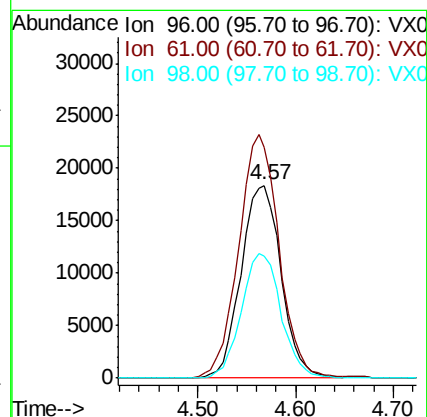
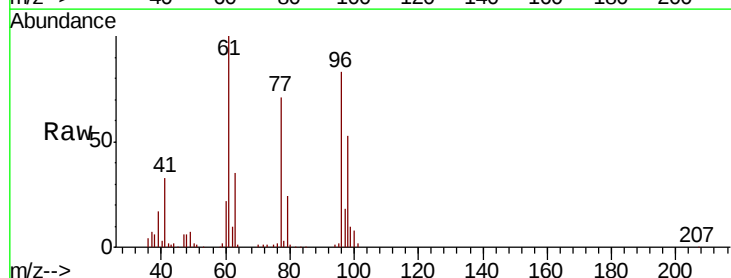
Tgt Ion: 96 Resp: 52154

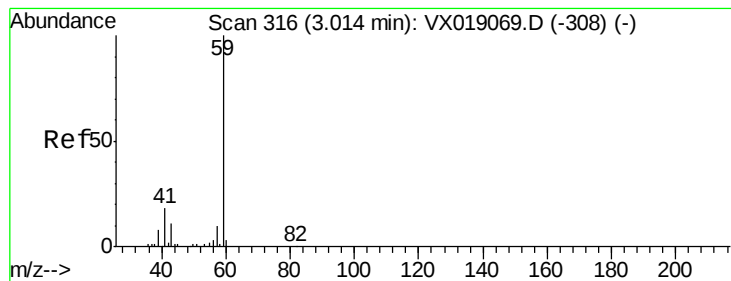
Ion Ratio Lower Upper

96 100

61 127.4 101.9 152.9

98 64.1 51.3 76.9



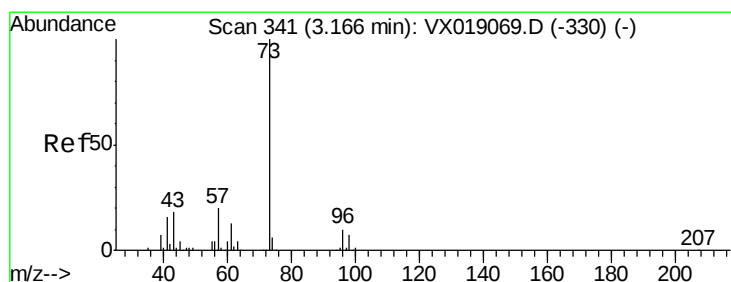
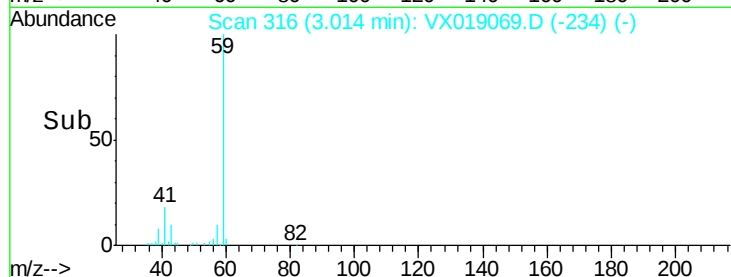
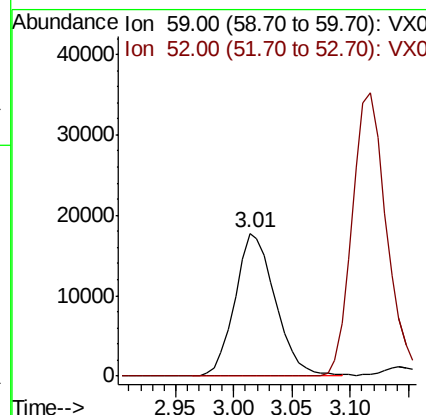
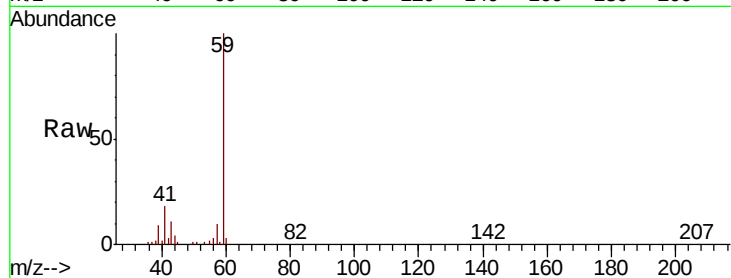


#23

tert-Butyl Alcohol  
 Concen: 83.793 ug/l  
 RT: 3.01 min Scan# 316  
 Delta R.T. 0.00 min  
 Lab File: VX019069.D  
 Acq: 23 Oct 2020 10:16

Instrument :  
 MSVOA\_X  
 ClientSampleId :

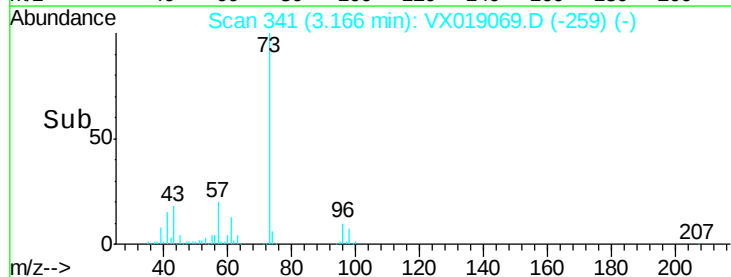
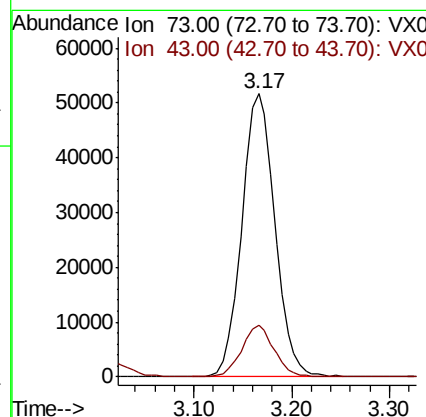
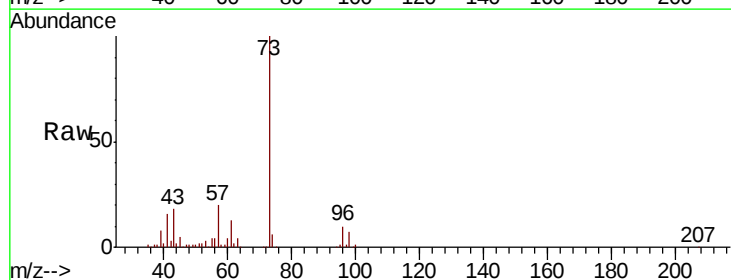
Tot Ion: 59 Resp: 42779  
 Ion Ratio Lower Upper  
 59 100  
 52 0.3 0.2 0.4

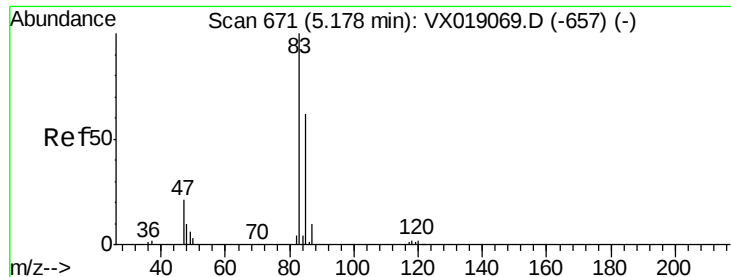


#24

Methyl tert-Butyl Ether  
 Concen: 16.962 ug/l  
 RT: 3.17 min Scan# 341  
 Delta R.T. 0.00 min  
 Lab File: VX019069.D  
 Acq: 23 Oct 2020 10:16

Tgt Ion: 73 Resp: 121443  
 Ion Ratio Lower Upper  
 73 100  
 43 17.4 13.9 20.9

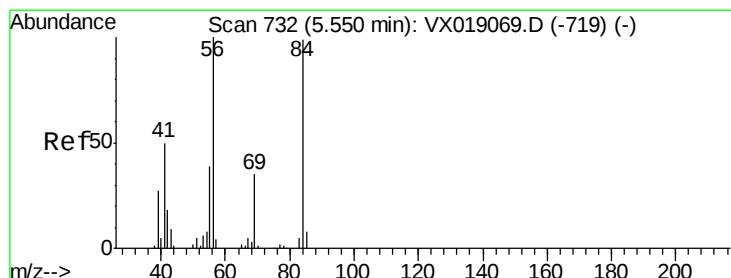
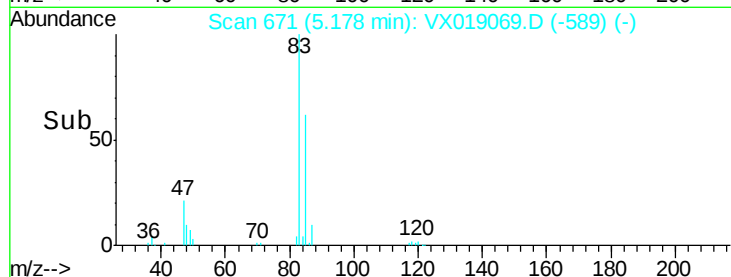
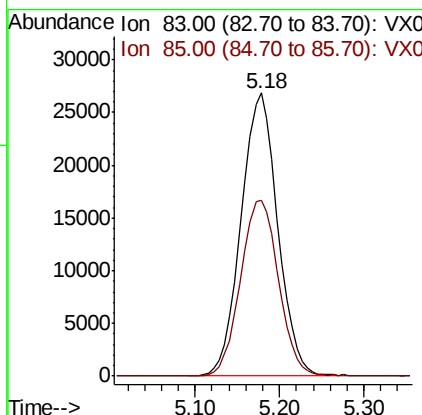
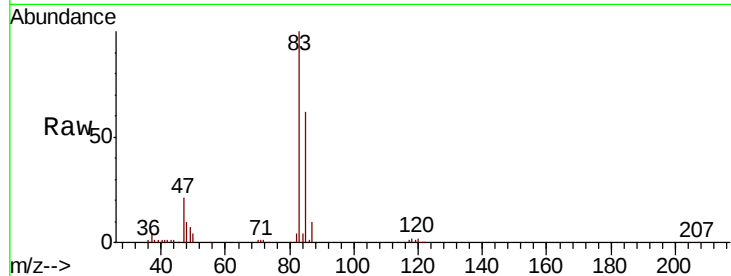




#25  
Chloroform  
Concen: 16.979 ug/l  
RT: 5.18 min Scan# 671  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

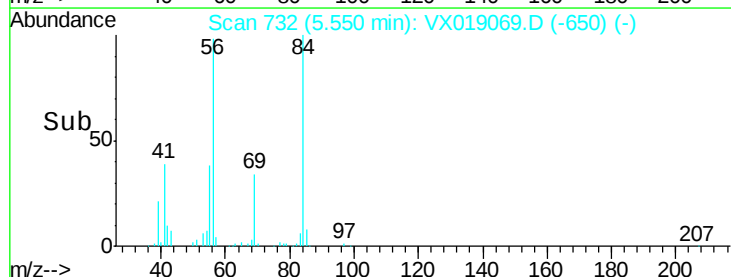
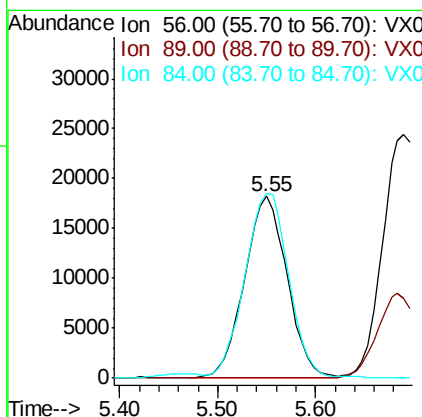
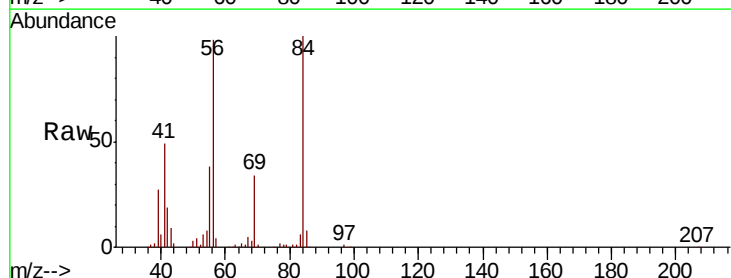
Instrument :  
MSVOA\_X  
ClientSampleId :

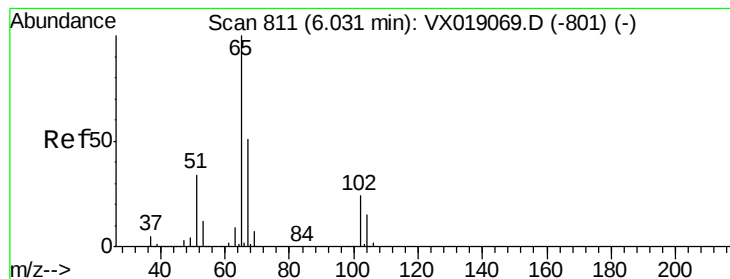
Tot Ion: 83 Resp: 79142  
Ion Ratio Lower Upper  
83 100  
85 62.3 49.8 74.8



#26  
Cyclohexane  
Concen: 16.886 ug/l  
RT: 5.55 min Scan# 732  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Tgt Ion: 56 Resp: 55201  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 104.6 83.7 125.5





#27

1,2-Dichloroethane-d4

Concen: 30.921 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

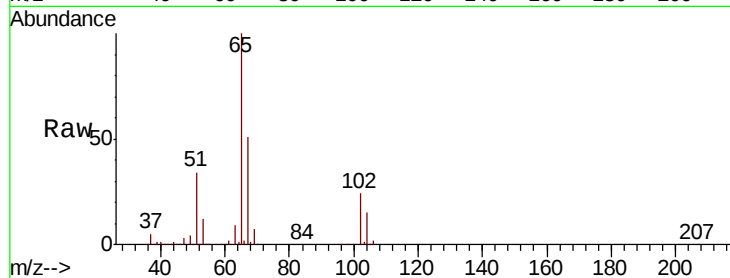
ClientSampleId :

Tot Ion: 65 Resp: 92638

Ion Ratio Lower Upper

65 100

67 52.5 42.0 63.0



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.03

40000

30000

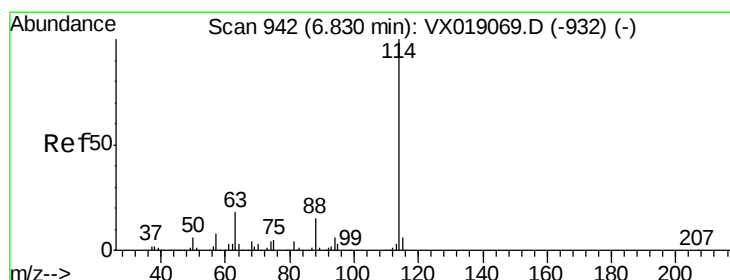
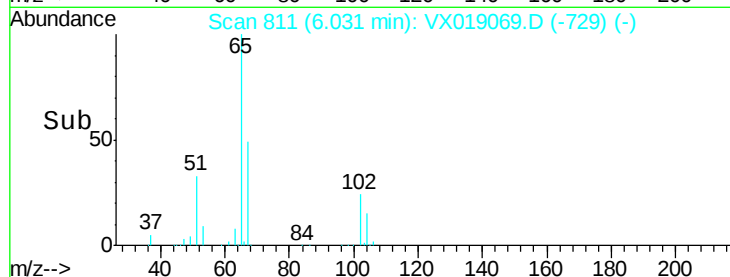
20000

10000

0

5.95 6.00 6.05 6.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

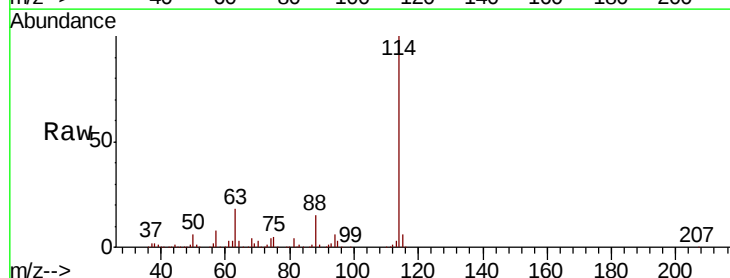
Tgt Ion: 114 Resp: 254932

Ion Ratio Lower Upper

114 100

63 18.2 14.6 21.8

88 15.2 12.2 18.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

150000

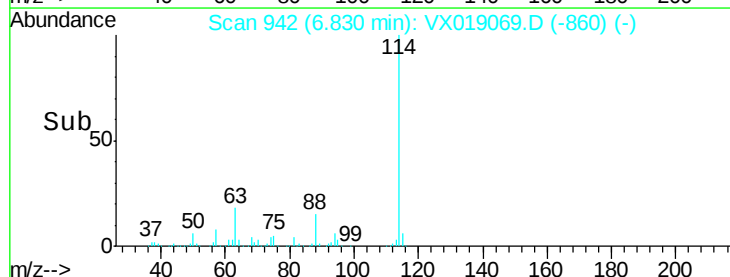
100000

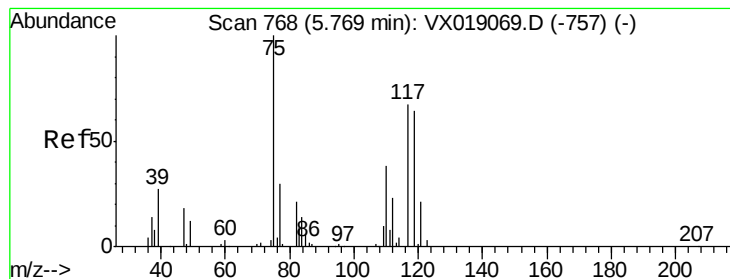
50000

0

6.75 6.80 6.85 6.90 6.95

Time-->





#29

1,1-Dichloropropene

Concen: 16.664 ug/l

RT: 5.77 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :  
MSVOA\_X  
ClientSampled :

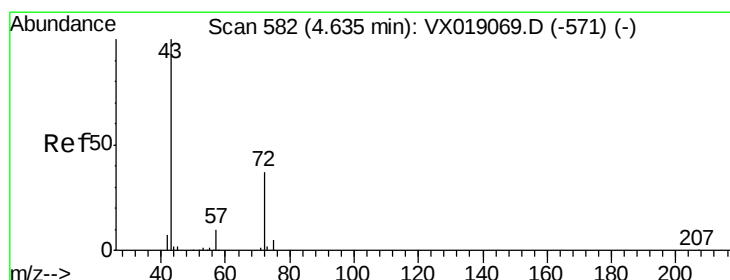
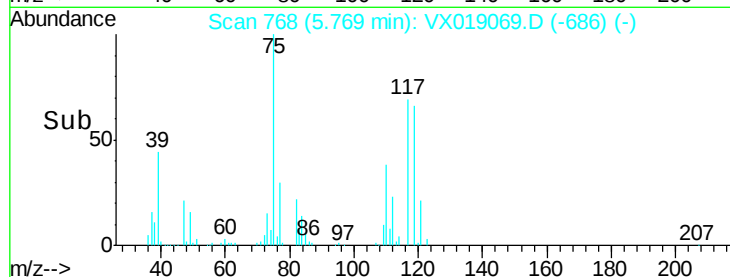
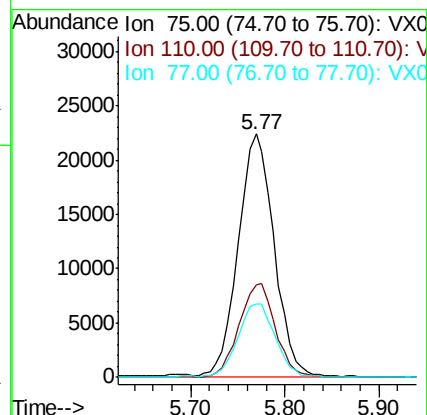
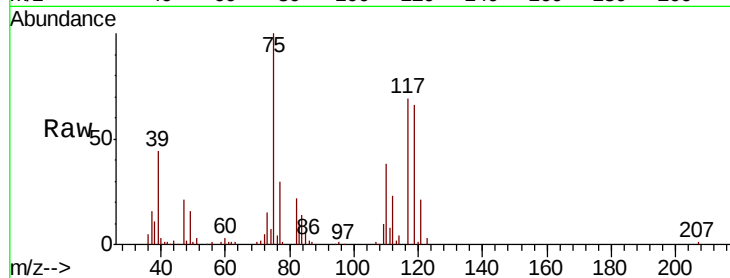
Tot Ion: 75 Resp: 59932

Ion Ratio Lower Upper

75 100

110 38.7 0.0 77.4

77 31.4 0.0 62.8



#30

2-Butanone

Concen: 82.020 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

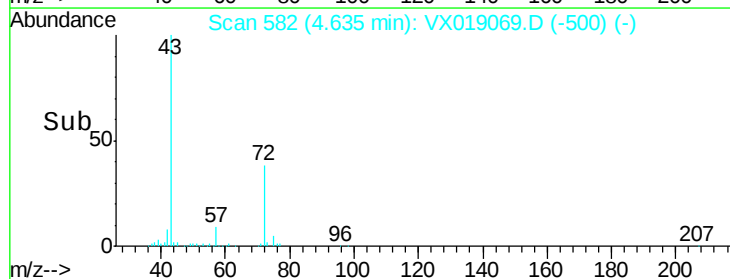
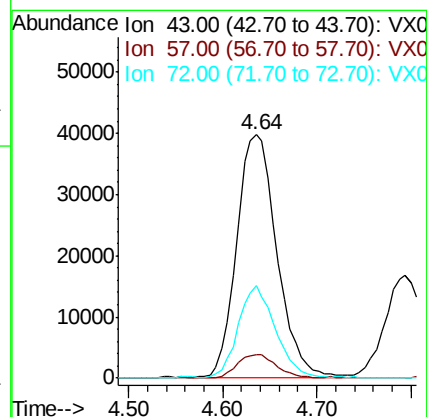
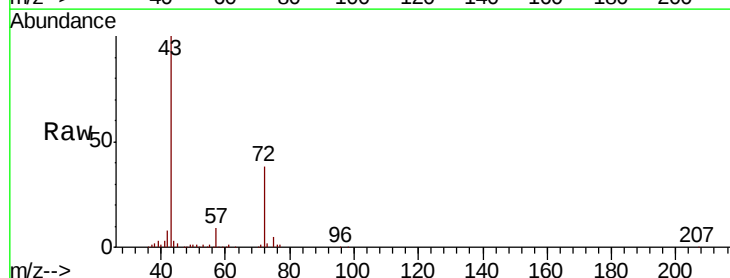
Tgt Ion: 43 Resp: 117513

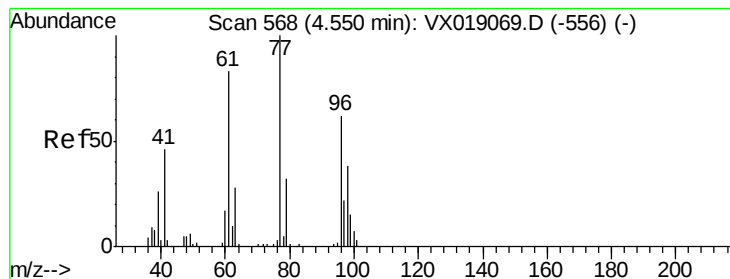
Ion Ratio Lower Upper

43 100

57 9.7 7.8 11.6

72 35.1 28.1 42.1





#31

2,2-Dichloropropane

Concen: 16.783 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

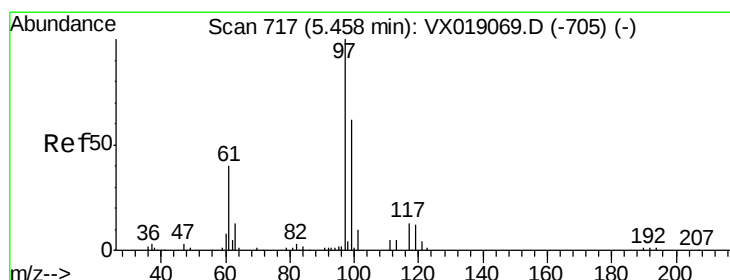
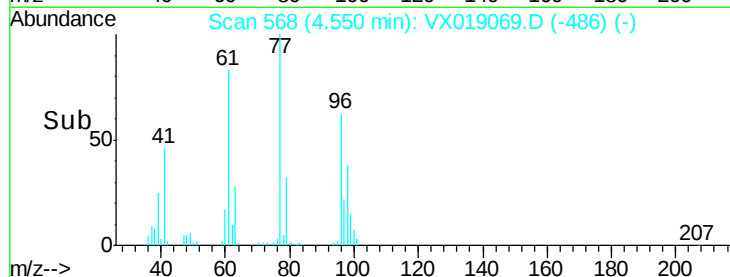
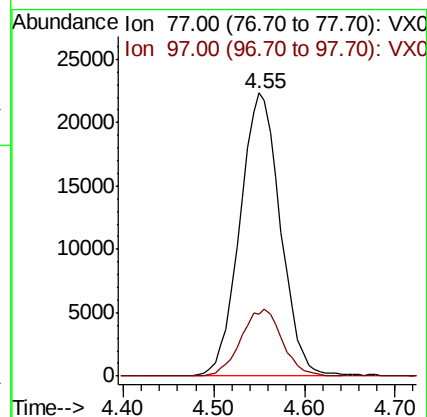
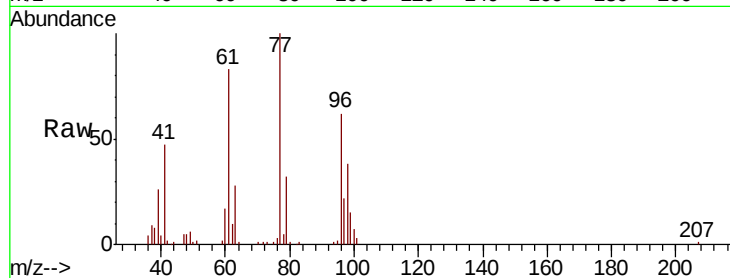
ClientSampled :

Tot Ion: 77 Resp: 69061

Ion Ratio Lower Upper

77 100

97 24.0 19.2 28.8



#32

1,1,1-Trichloroethane

Concen: 16.720 ug/l

RT: 5.46 min Scan# 717

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

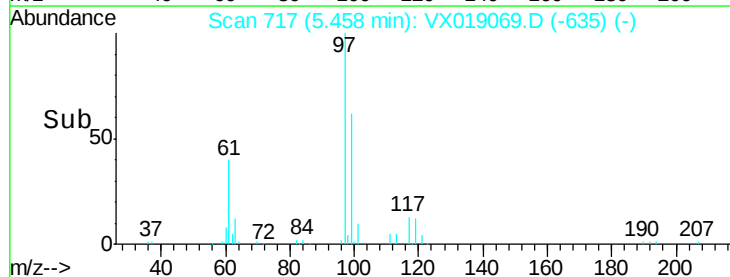
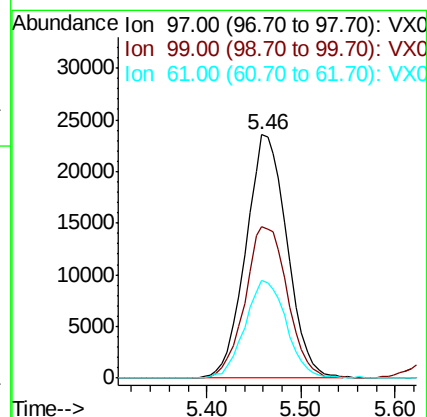
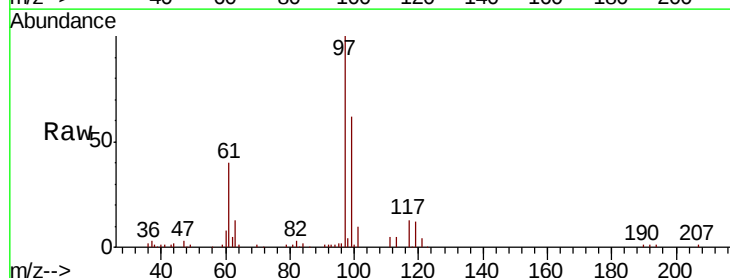
Tgt Ion: 97 Resp: 72276

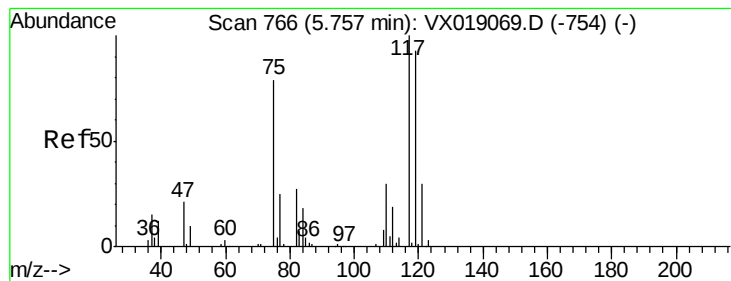
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 40.0 32.0 48.0





#33

Carbon Tetrachloride

Concen: 16.282 ug/l

RT: 5.76 min Scan# 766

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

ClientSampleId :

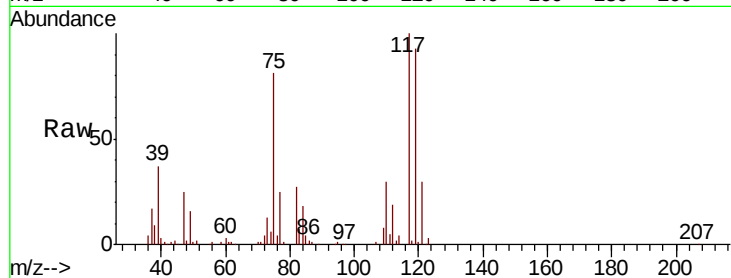
Tot Ion:117 Resp: 61076

Ion Ratio Lower Upper

117 100

119 93.1 74.5 111.7

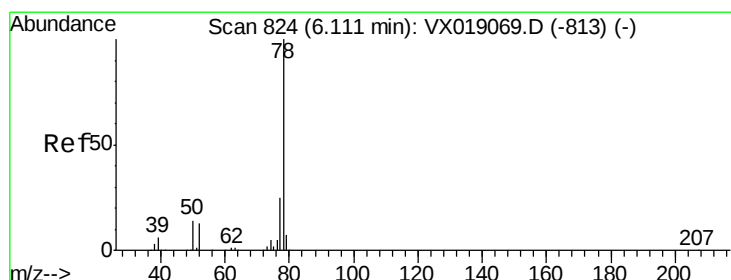
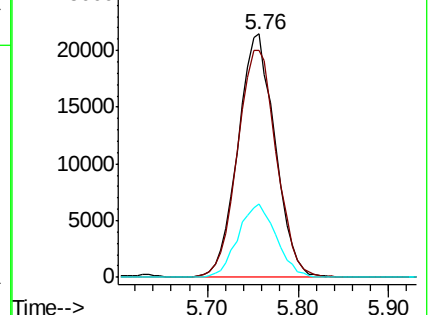
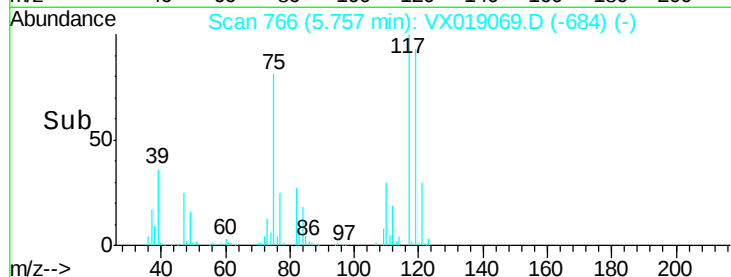
121 30.1 24.1 36.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 16.689 ug/l

RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

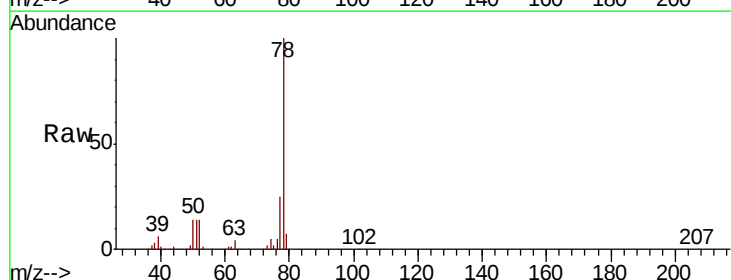
Tgt Ion: 78 Resp: 176607

Ion Ratio Lower Upper

78 100

77 25.1 20.1 30.1

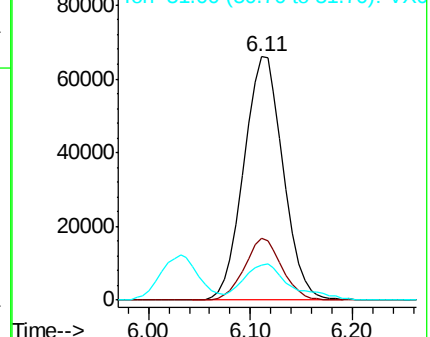
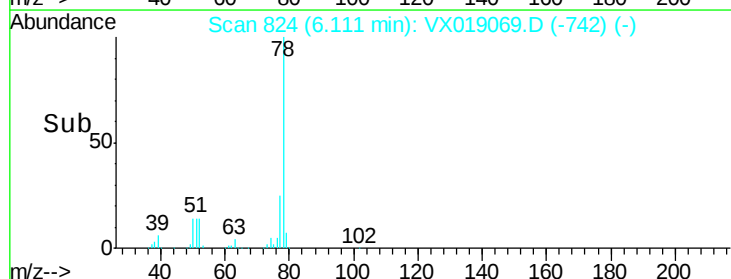
51 13.7 11.0 16.4

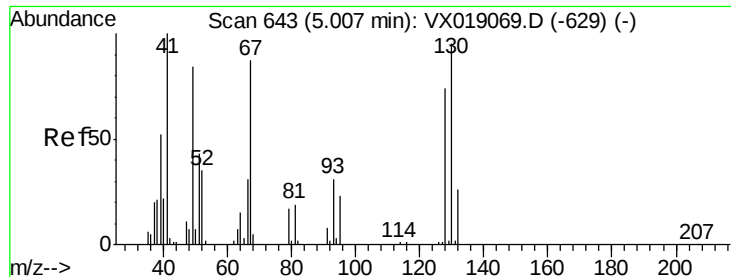


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

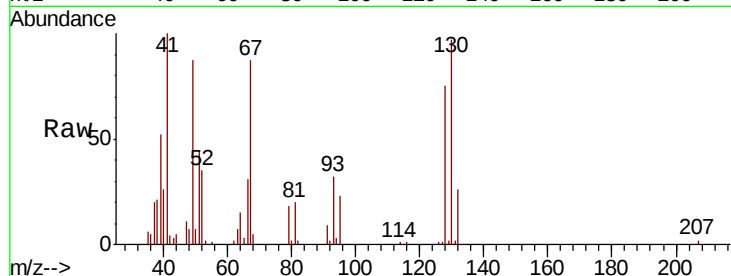




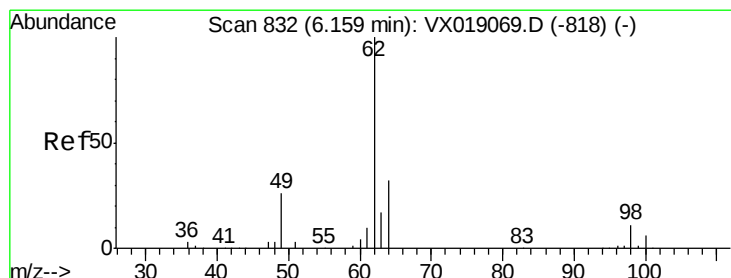
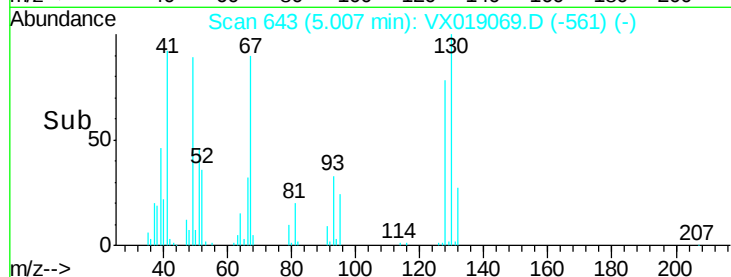
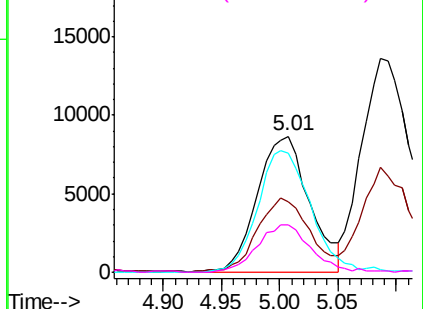
#35  
Methacrylonitrile  
Concen: 17.369 ug/l  
RT: 5.01 min Scan# 643  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 41 Resp: 26940  
Ion Ratio Lower Upper  
41 100  
39 51.6 25.8 77.4  
67 87.2 43.6 130.8  
52 34.5 17.3 51.7

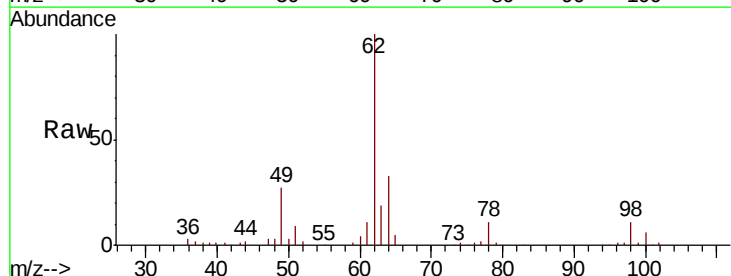


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

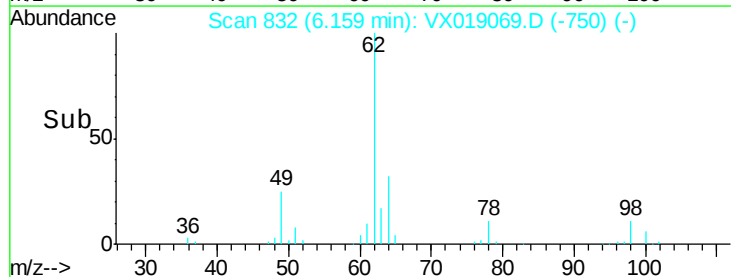
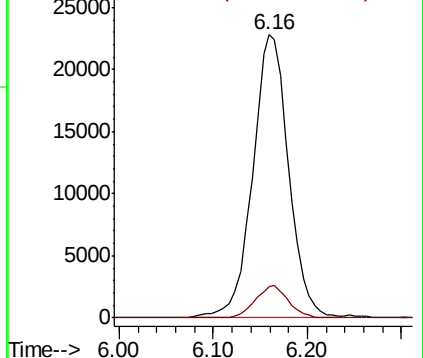


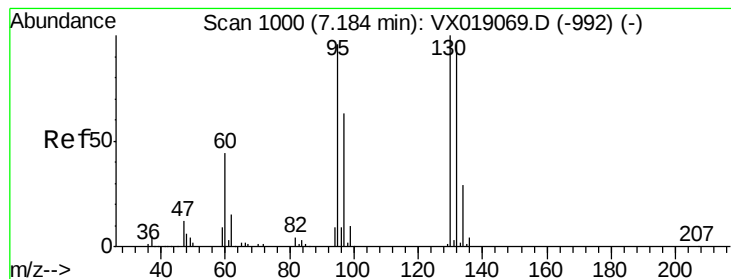
#36  
1,2-Dichloroethane  
Concen: 16.783 ug/l  
RT: 6.16 min Scan# 832  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Tgt Ion: 62 Resp: 60922  
Ion Ratio Lower Upper  
62 100  
98 10.5 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 16.383 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

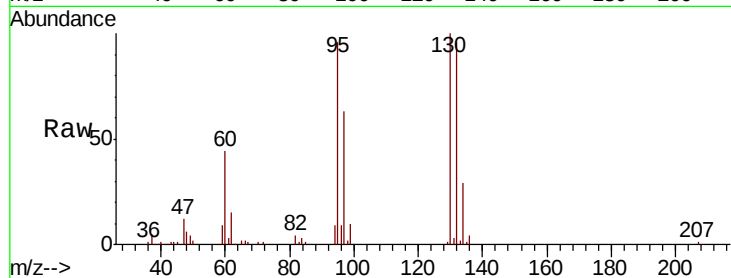
ClientSampled :

Tot Ion:130 Resp: 49832

Ion Ratio Lower Upper

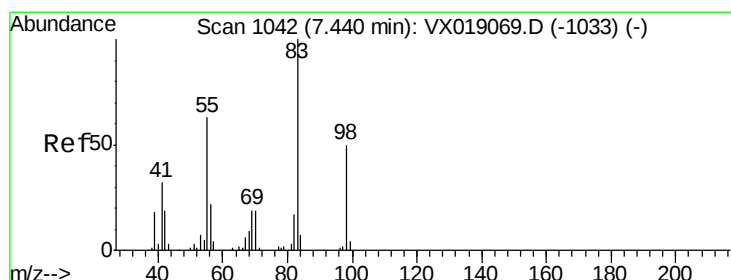
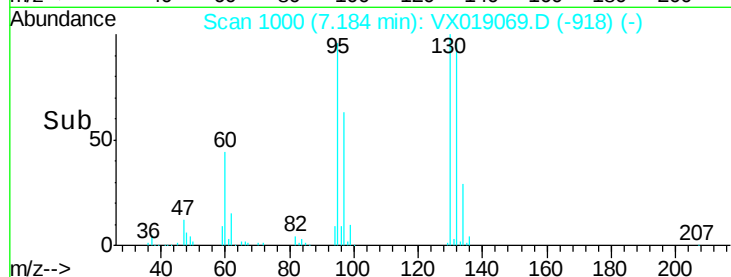
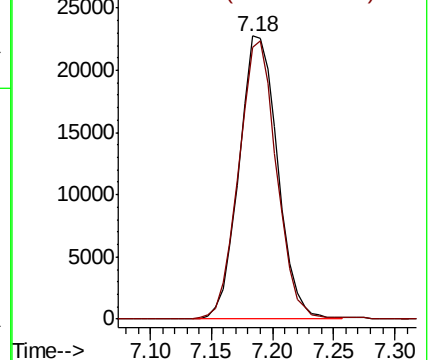
130 100

95 96.0 76.8 115.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 16.529 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

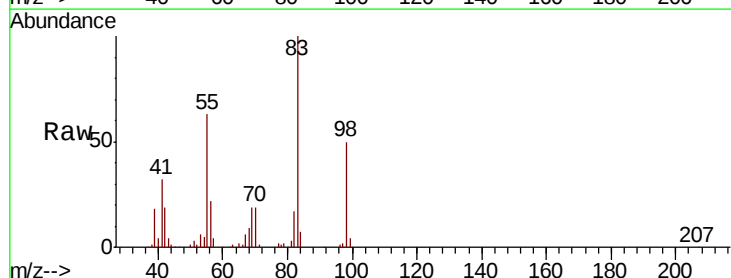
Tgt Ion: 83 Resp: 66634

Ion Ratio Lower Upper

83 100

55 64.5 32.3 96.8

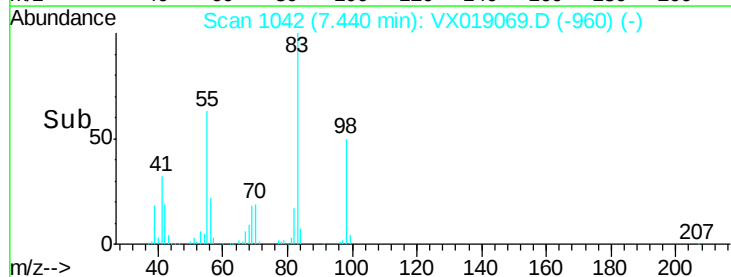
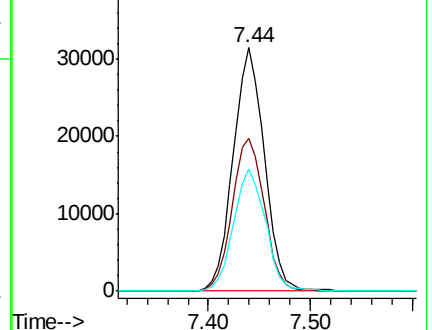
98 51.4 25.7 77.1

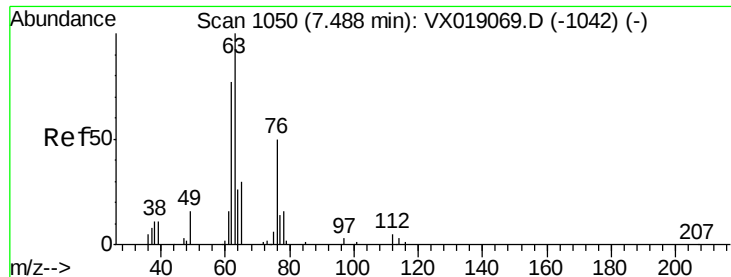


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 16.305 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

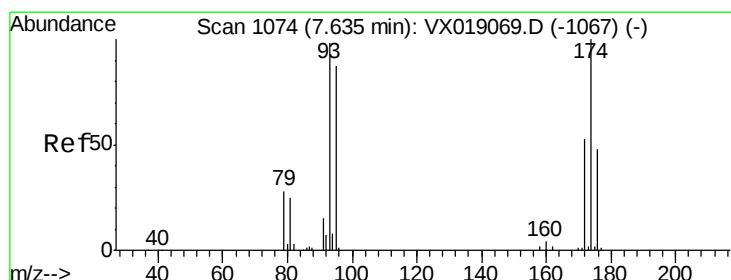
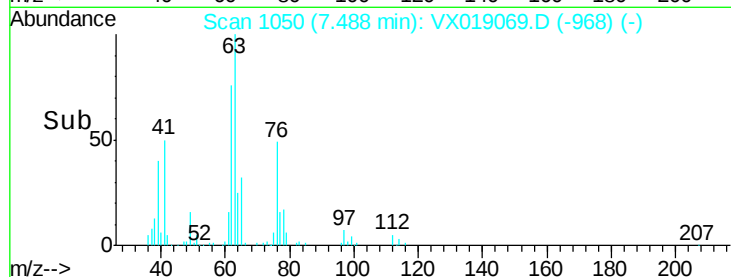
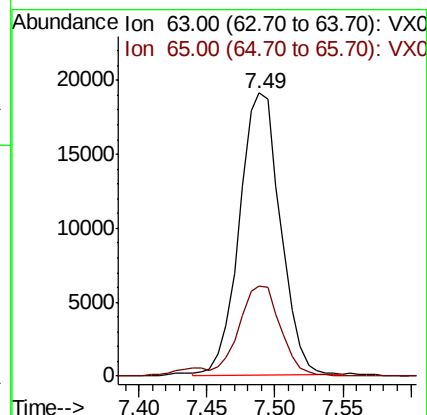
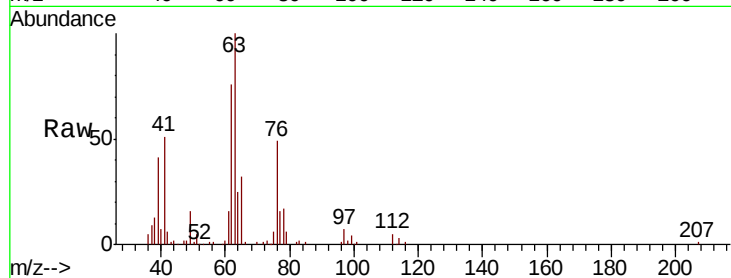
ClientSampled :

Tot Ion: 63 Resp: 40050

Ion Ratio Lower Upper

63 100

65 32.3 25.8 38.8



#40

Dibromomethane

Concen: 16.437 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

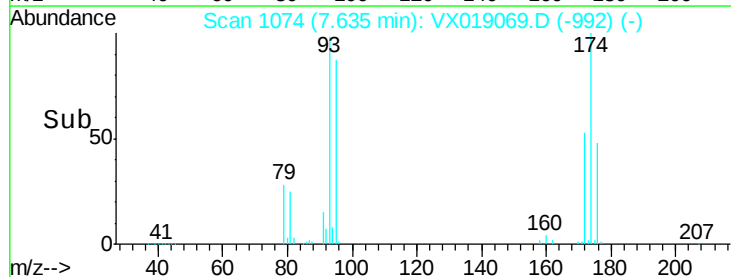
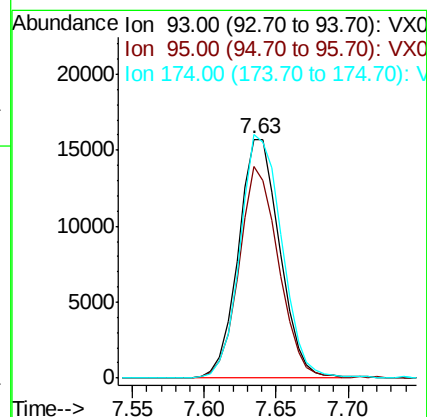
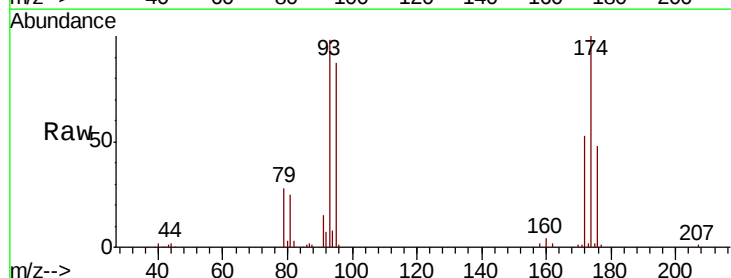
Tgt Ion: 93 Resp: 31335

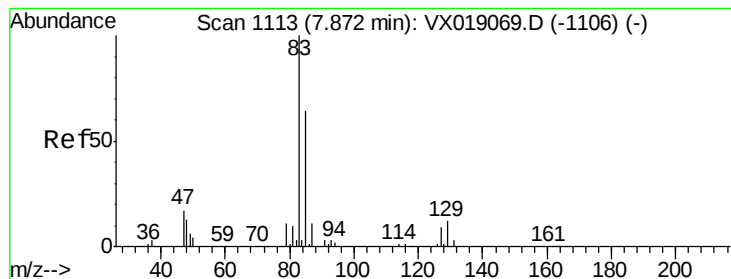
Ion Ratio Lower Upper

93 100

95 84.5 0.0 169.0

174 102.7 0.0 205.4





#41

Bromodichloromethane

Concen: 16.176 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :  
MSVOA\_X  
ClientSampleId :

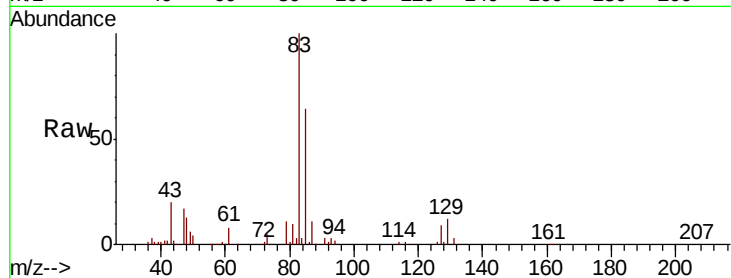
Tot Ion: 83 Resp: 60966

Ion Ratio Lower Upper

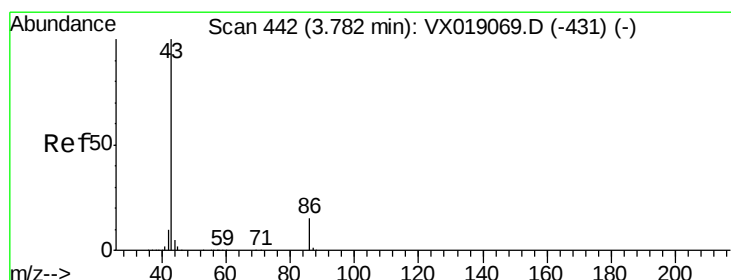
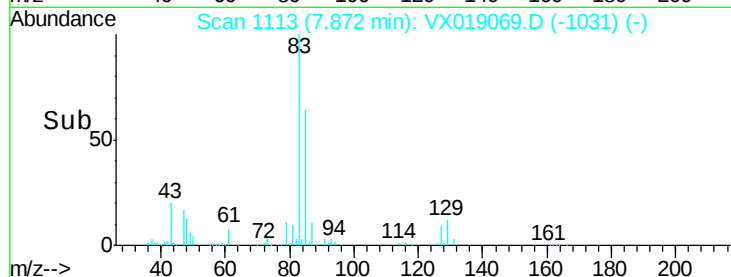
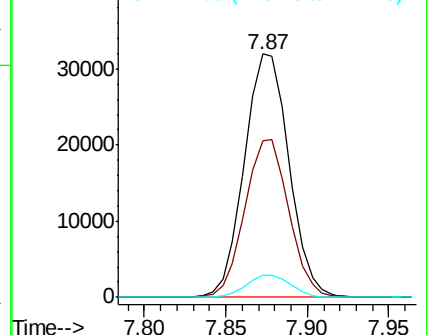
83 100

85 64.0 51.2 76.8

127 8.9 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VX0  
Ion 85.00 (84.70 to 85.70): VX0  
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 84.117 ug/l

RT: 3.78 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX019069.D

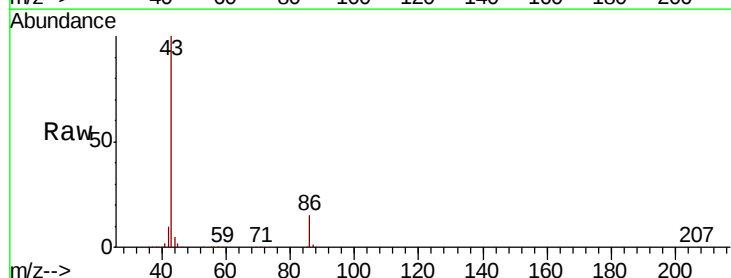
Acq: 23 Oct 2020 10:16

Tgt Ion: 43 Resp: 468931

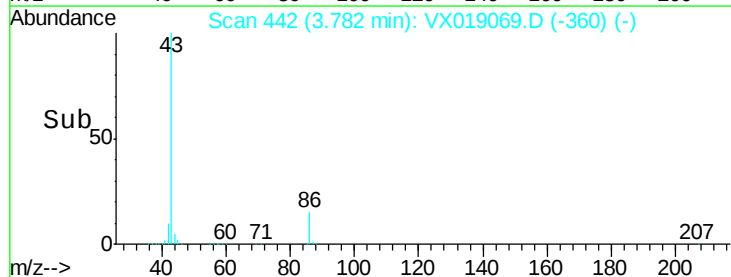
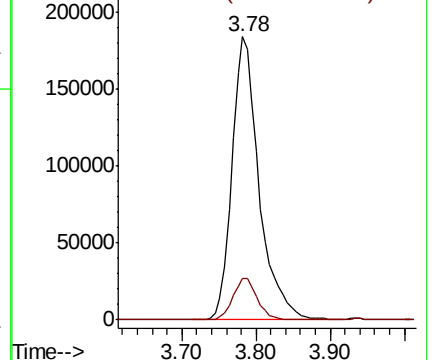
Ion Ratio Lower Upper

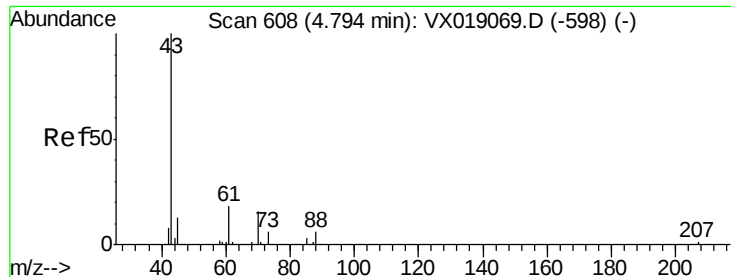
43 100

86 13.2 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 86.00 (85.70 to 86.70): VX0

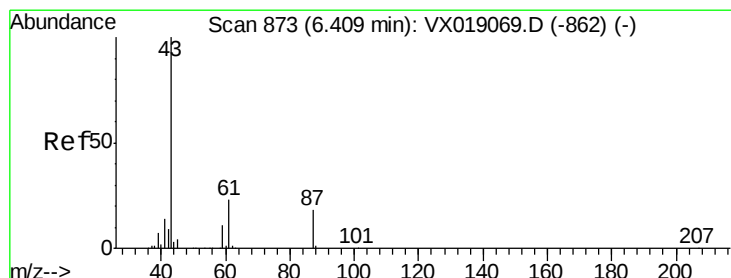
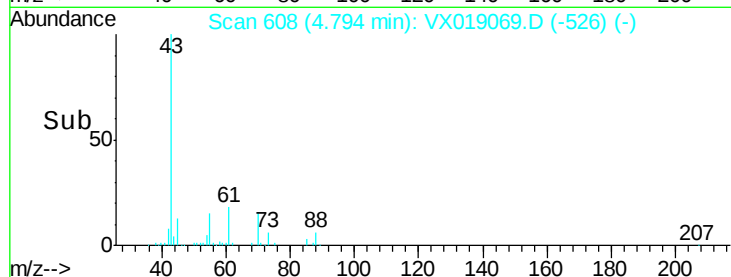
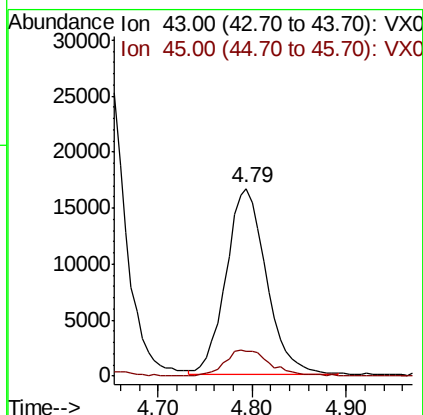
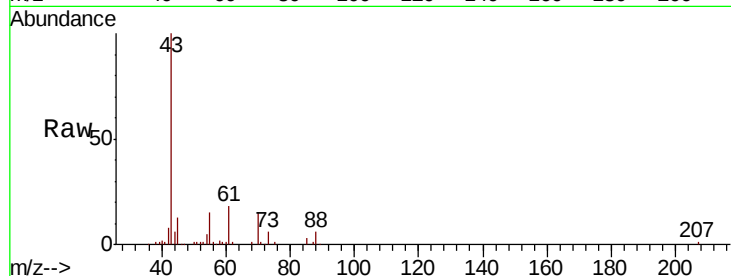




#43  
Ethyl Acetate  
Concen: 16.457 ug/l  
RT: 4.79 min Scan# 608  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

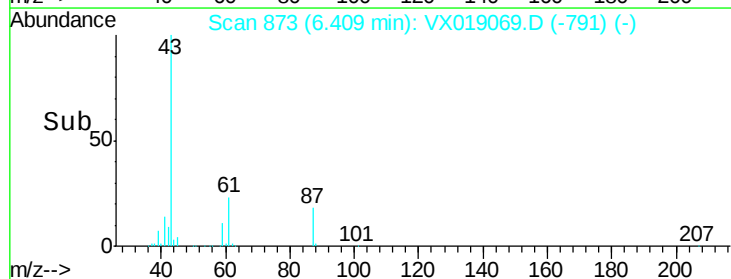
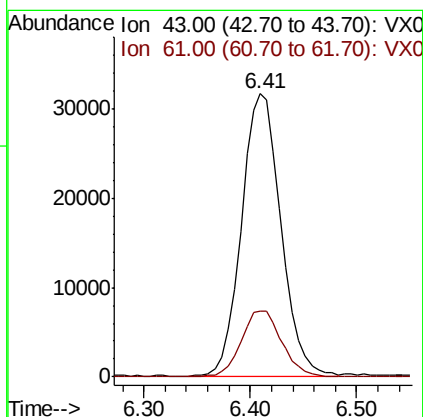
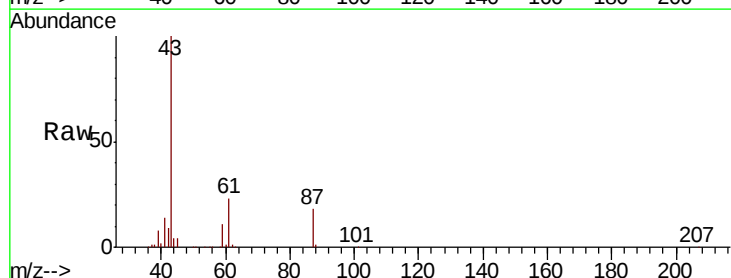
Instrument :  
MSVOA\_X  
ClientSampled :

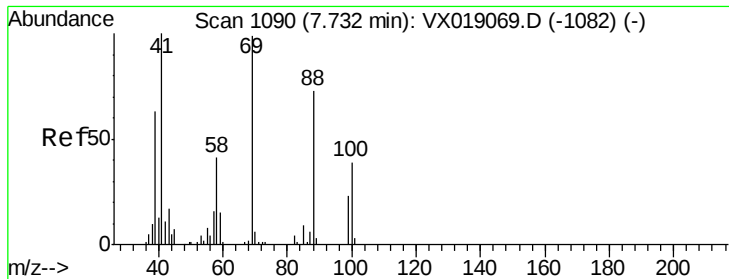
Tot Ion: 43 Resp: 49464  
Ion Ratio Lower Upper  
43 100  
45 15.9 12.7 19.1



#44  
Isopropyl Acetate  
Concen: 16.331 ug/l  
RT: 6.41 min Scan# 873  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Tgt Ion: 43 Resp: 82195  
Ion Ratio Lower Upper  
43 100  
61 23.9 19.1 28.7





#45

1,4-Dioxane

Concen: 342.405 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :  
MSVOA\_X  
ClientSampled :

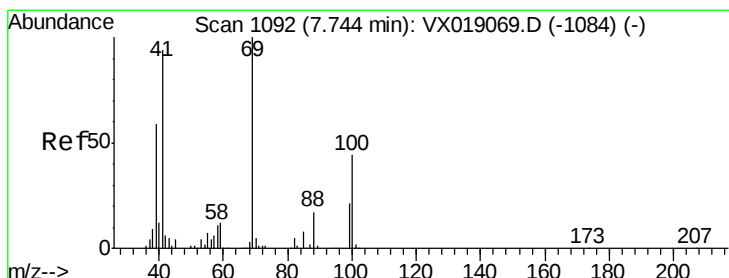
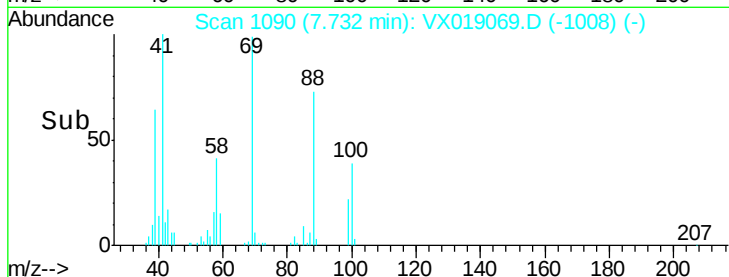
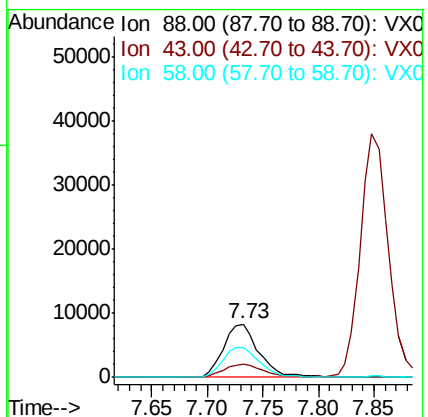
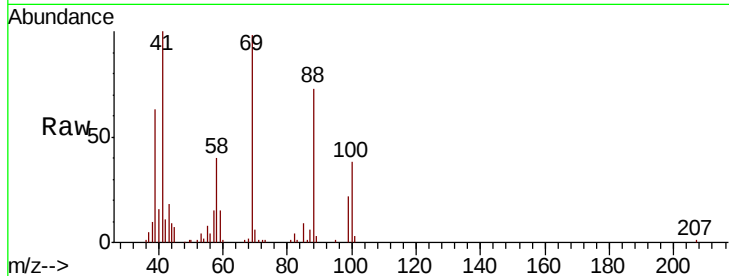
Tot Ion: 88 Resp: 18114

Ion Ratio Lower Upper

88 100

43 25.6 20.5 30.7

58 59.3 47.4 71.2



#46

Methyl methacrylate

Concen: 16.871 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

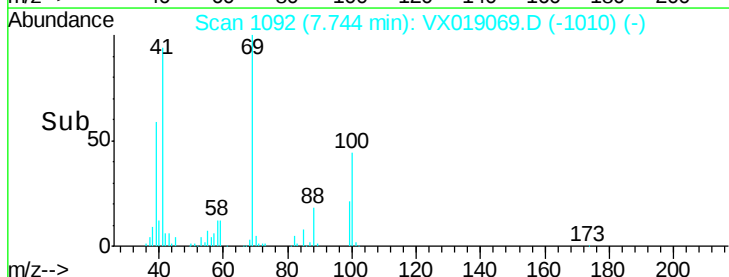
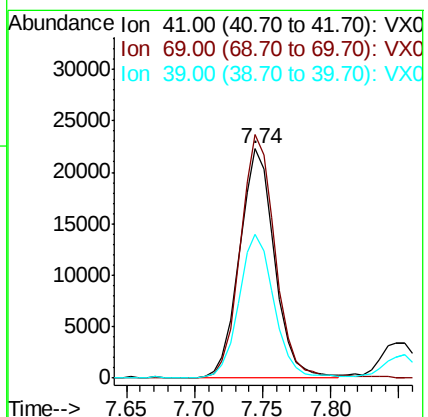
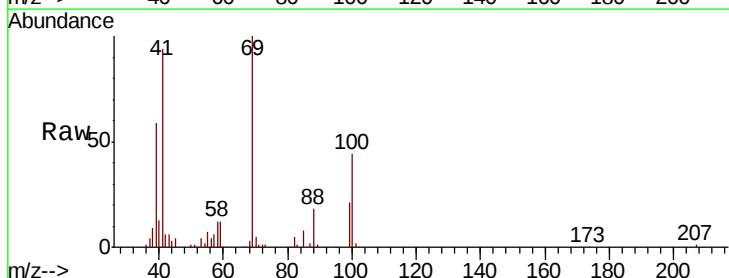
Tgt Ion: 41 Resp: 40188

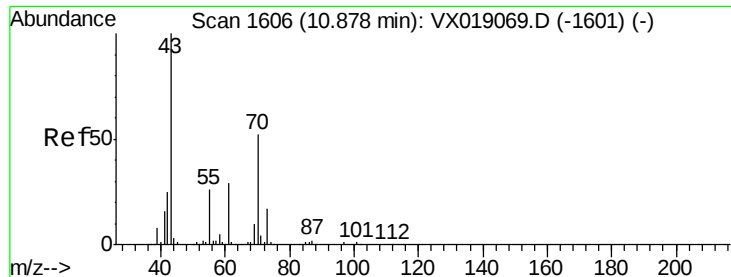
Ion Ratio Lower Upper

41 100

69 106.3 53.1 159.4

39 62.6 31.3 93.9

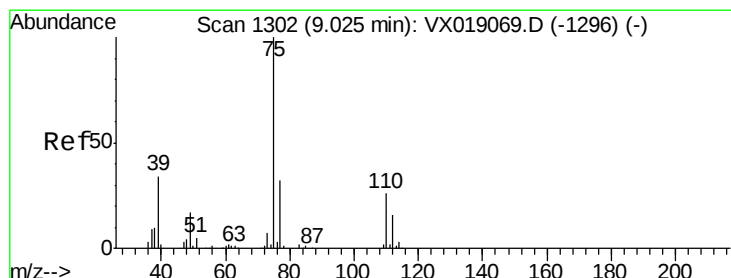
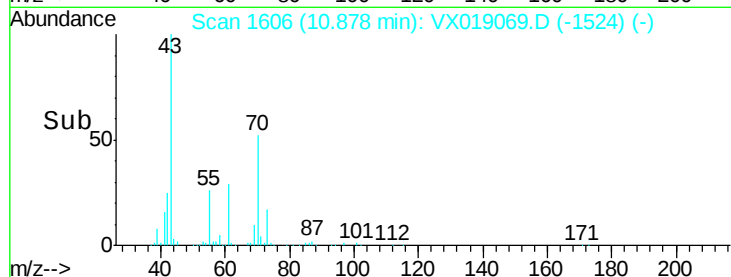
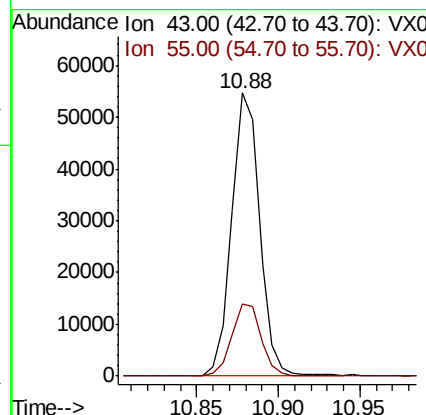
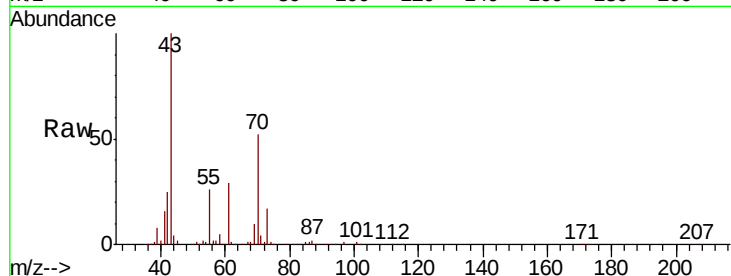




#47  
n-amvl Acetate  
Concen: 16.237 ug/l  
RT: 10.88 min Scan# 1606  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

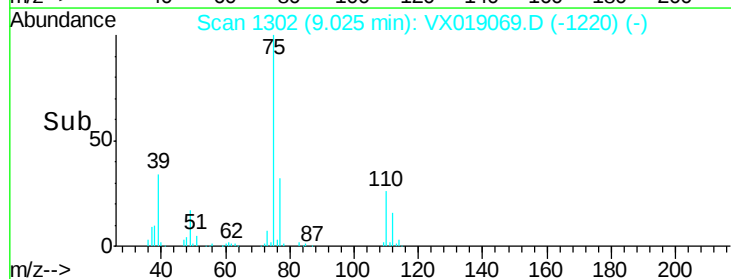
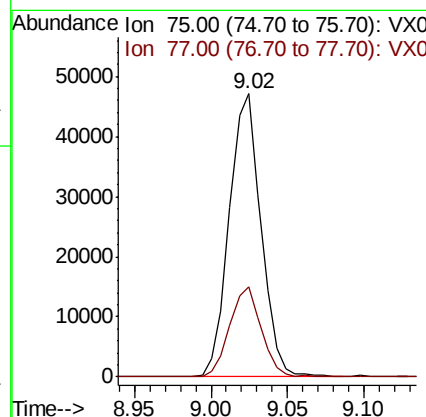
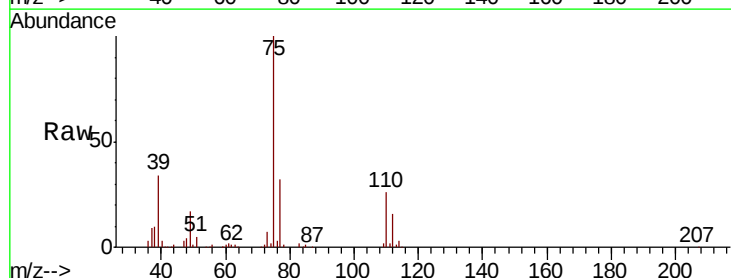
Instrument :  
MSVOA\_X  
ClientSampleId :

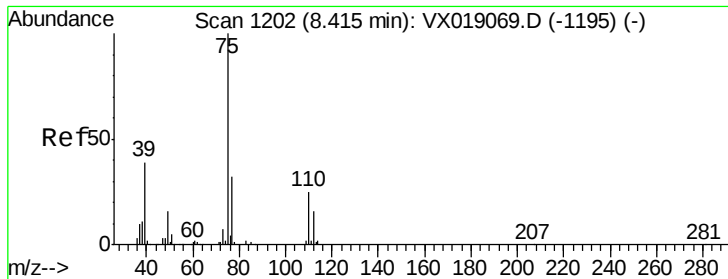
Tot Ion: 43 Resp: 65551  
Ion Ratio Lower Upper  
43 100  
55 26.9 21.5 32.3



#48  
t-1,3-Dichloropropene  
Concen: 16.134 ug/l  
RT: 9.02 min Scan# 1302  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Tgt Ion: 75 Resp: 68073  
Ion Ratio Lower Upper  
75 100  
77 31.6 25.3 37.9



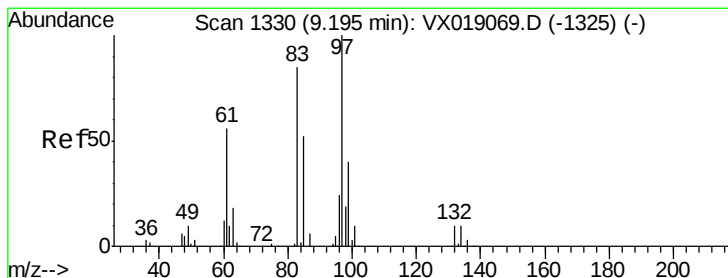
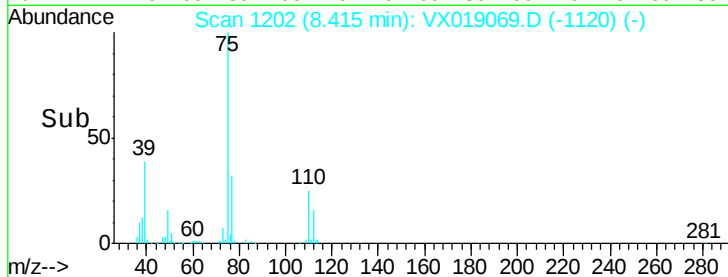
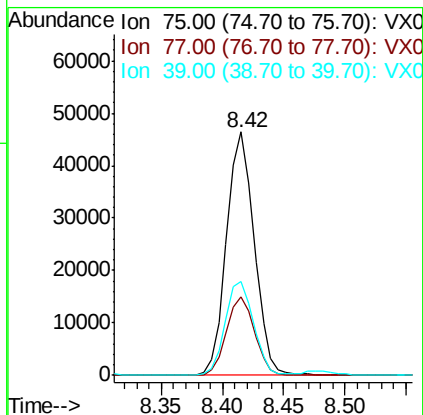
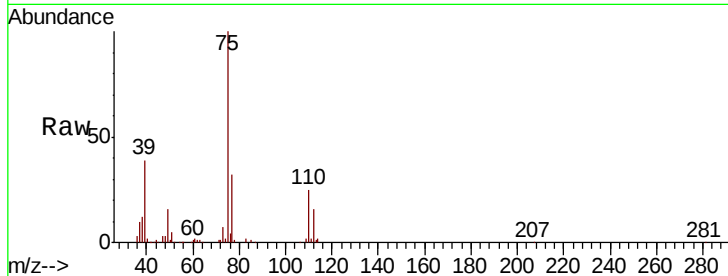


#49

cis-1,3-Dichloropropene  
 Concen: 16.269 ug/l  
 RT: 8.42 min Scan# 1202  
 Delta R.T. 0.00 min  
 Lab File: VX019069.D  
 Acq: 23 Oct 2020 10:16

Instrument :  
 MSVOA\_X  
 ClientSampleId :

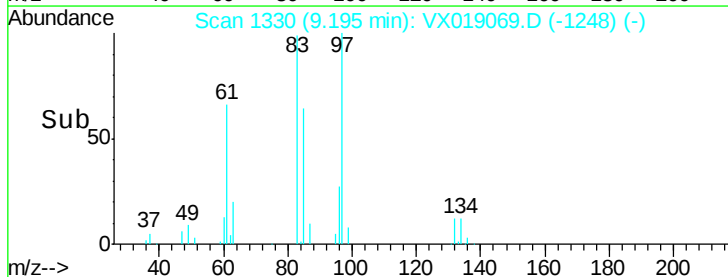
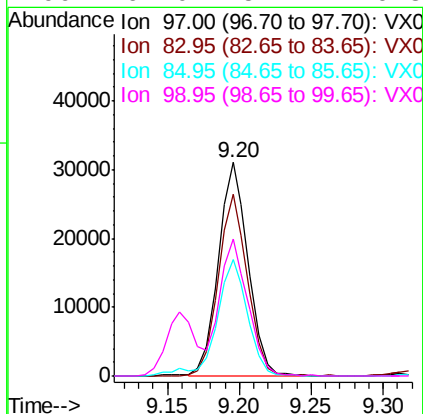
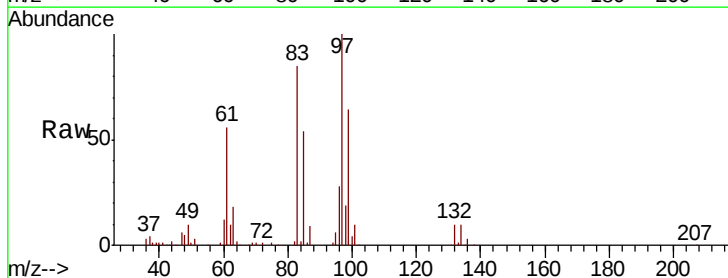
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.3  | 25.8  | 38.8  |
| 39      | 38.8  | 31.0  | 46.6  |

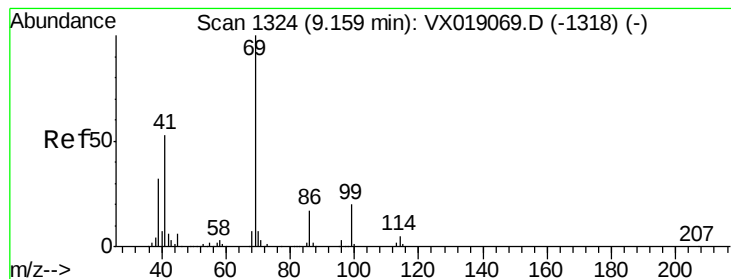


#50

1,1,2-Trichloroethane  
 Concen: 16.240 ug/l  
 RT: 9.20 min Scan# 1330  
 Delta R.T. 0.00 min  
 Lab File: VX019069.D  
 Acq: 23 Oct 2020 10:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 84.7  | 67.8  | 101.6 |
| 85      | 54.4  | 43.5  | 65.3  |
| 99      | 64.0  | 51.2  | 76.8  |





#51

Ethyl methacrylate

Concen: 16.132 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

ClientSampled :

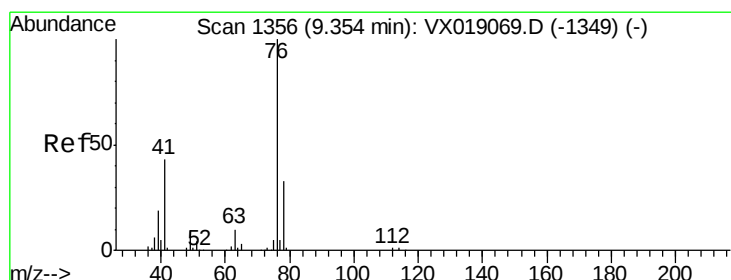
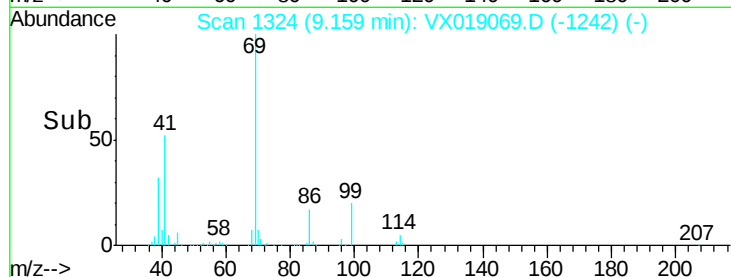
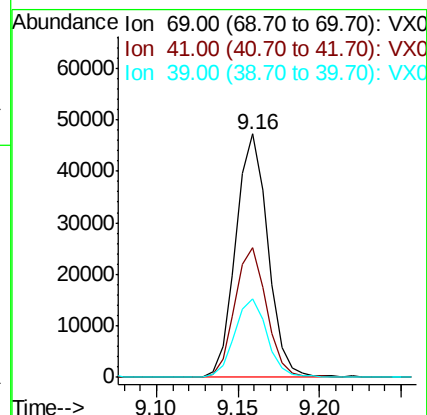
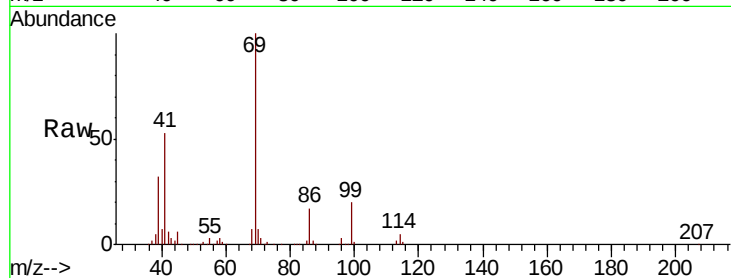
Tot Ion: 69 Resp: 64995

Ion Ratio Lower Upper

69 100

41 52.9 26.5 79.4

39 32.4 16.2 48.6



#52

1,3-Dichloropropane

Concen: 16.540 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX019069.D

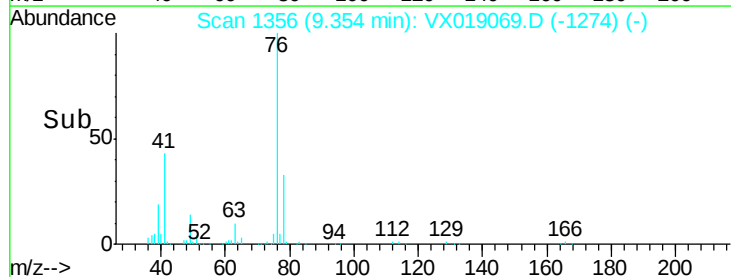
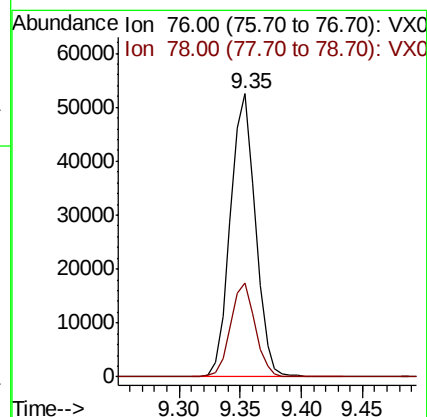
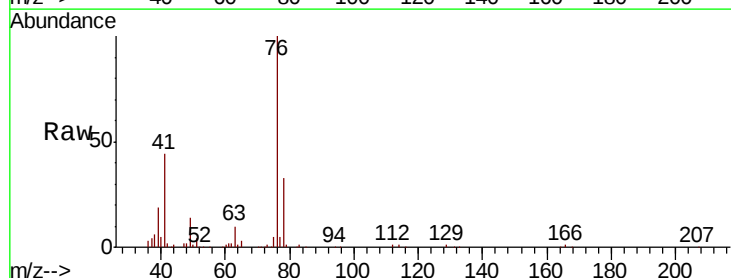
Acq: 23 Oct 2020 10:16

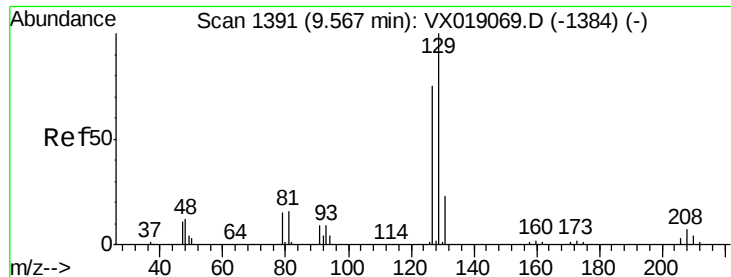
Tgt Ion: 76 Resp: 74398

Ion Ratio Lower Upper

76 100

78 32.6 0.0 65.2





#53

Dibromochloromethane

Concen: 15.409 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

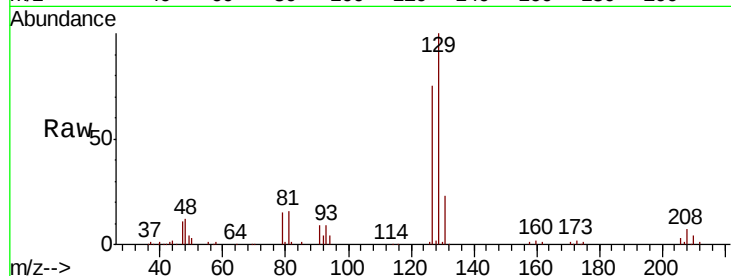
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:129 Resp: 47364

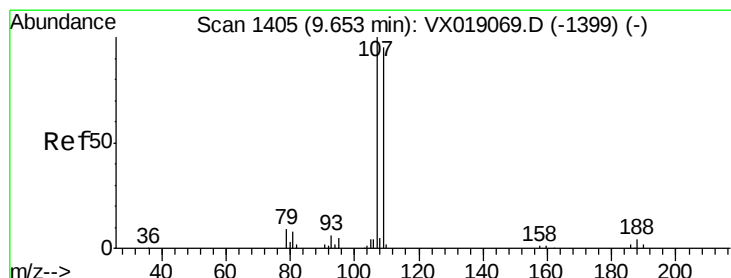
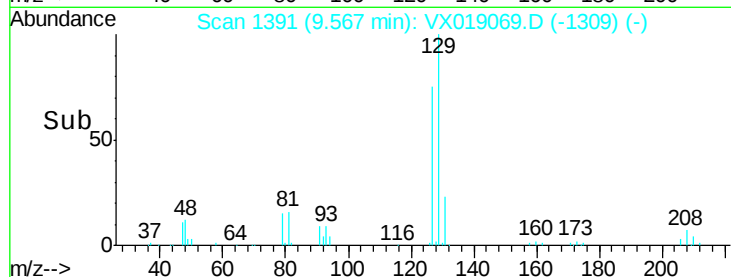
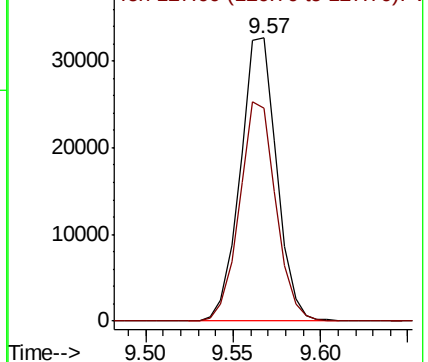
Ion Ratio Lower Upper

129 100

127 76.7 38.4 115.1



Abundance Ion 129.00 (128.70 to 129.70): V  
Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 16.323 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019069.D

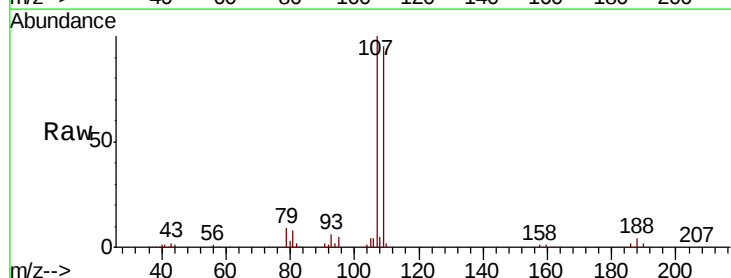
Acq: 23 Oct 2020 10:16

Tgt Ion:107 Resp: 48975

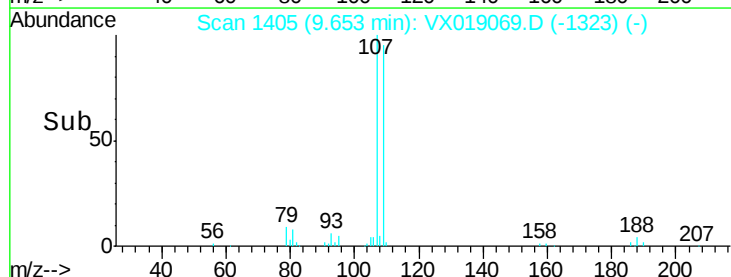
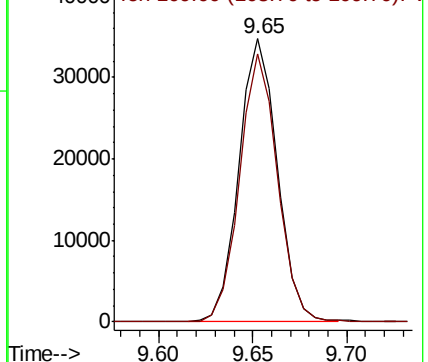
Ion Ratio Lower Upper

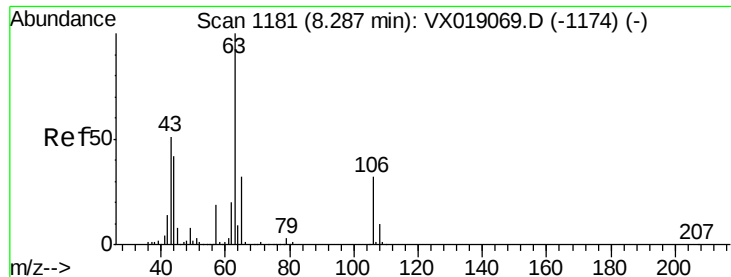
107 100

109 93.3 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V  
Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 93.113 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

ClientSampleId :

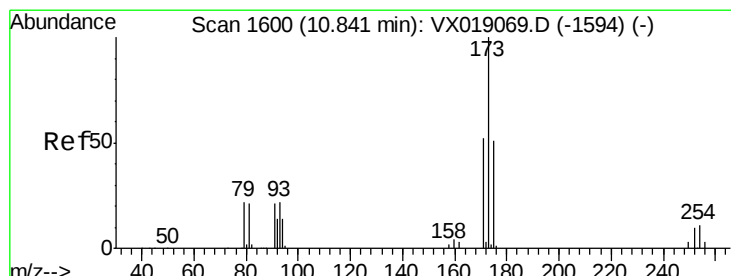
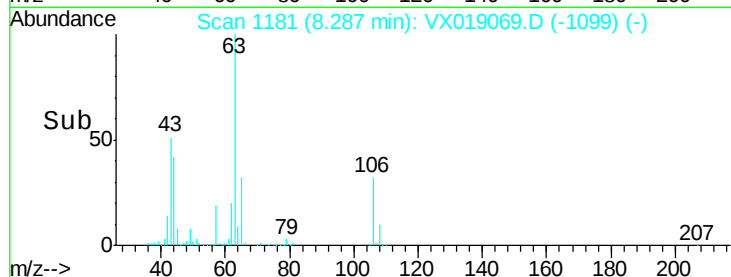
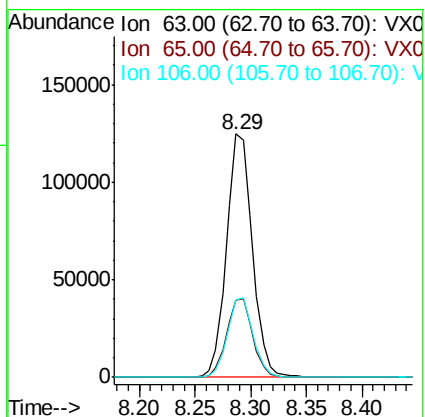
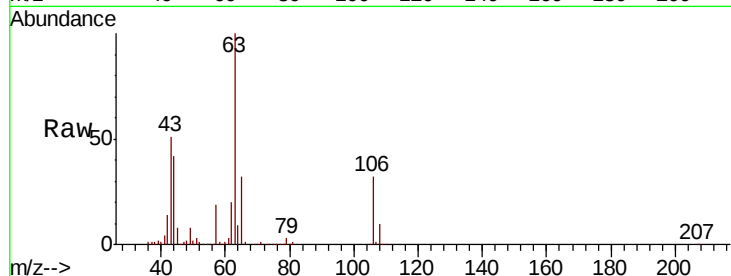
Tot Ion: 63 Resp: 200486

Ion Ratio Lower Upper

63 100

65 32.5 26.0 39.0

106 32.4 25.9 38.9



#56

Bromoform

Concen: 15.073 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

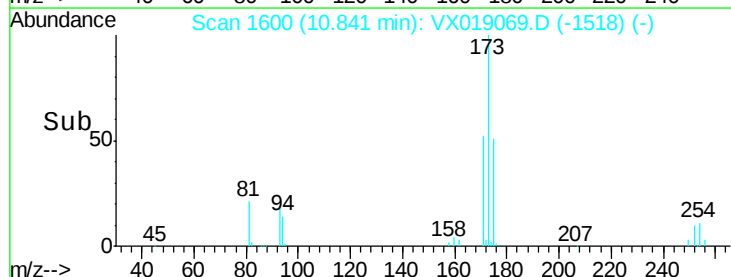
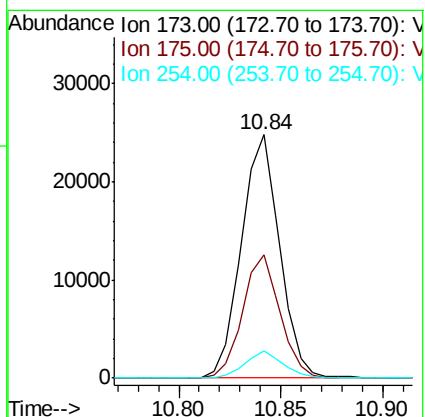
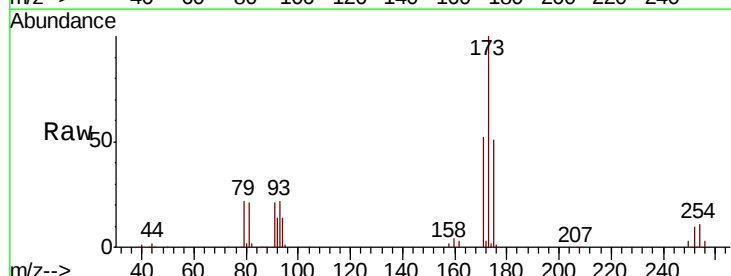
Tgt Ion: 173 Resp: 32390

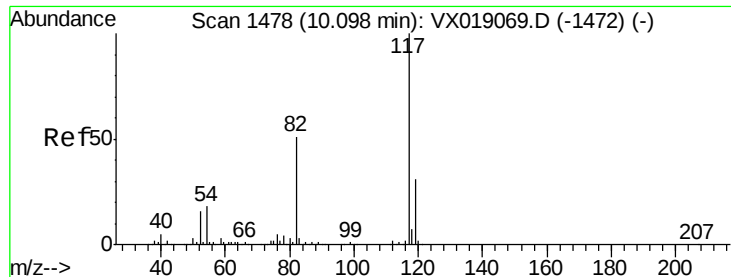
Ion Ratio Lower Upper

173 100

175 49.5 39.6 59.4

254 10.8 8.6 13.0

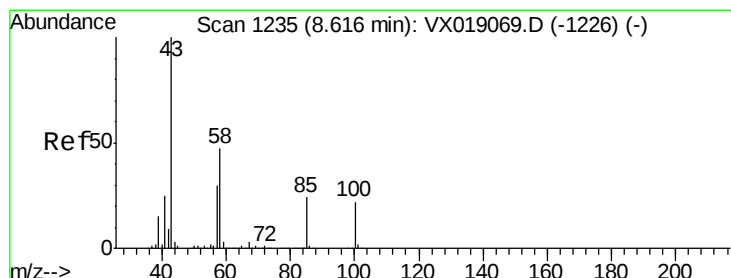
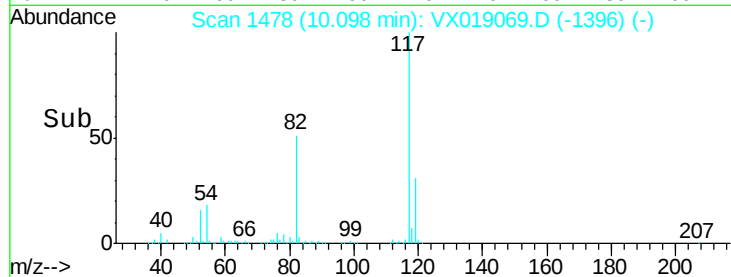
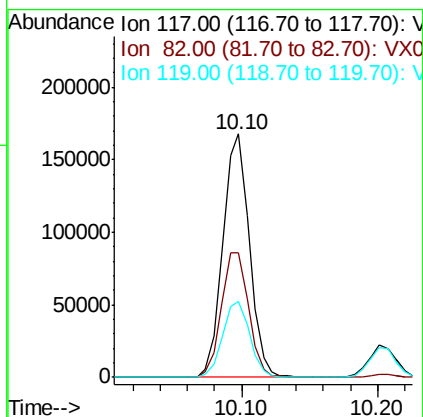
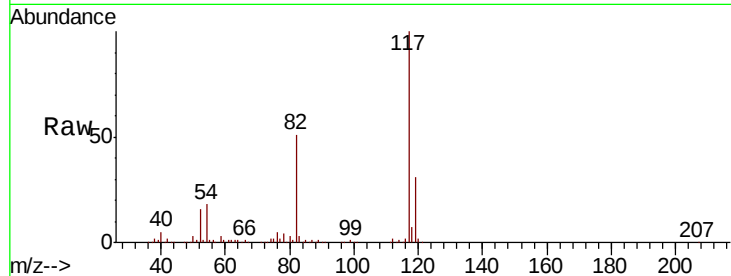




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

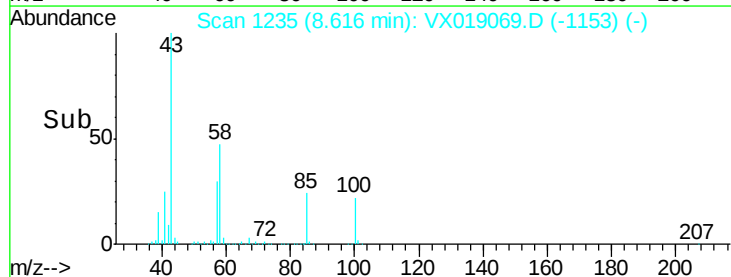
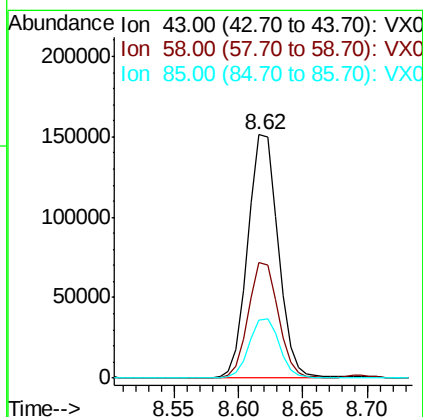
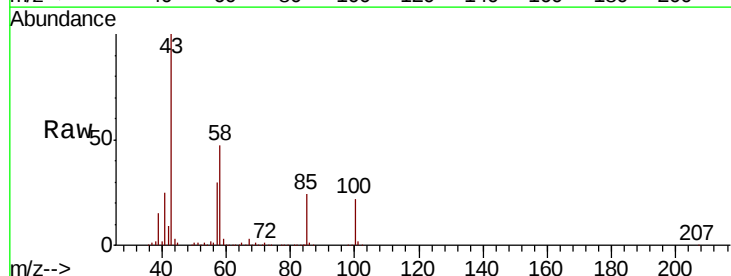
Instrument :  
MSVOA\_X  
ClientSampled :

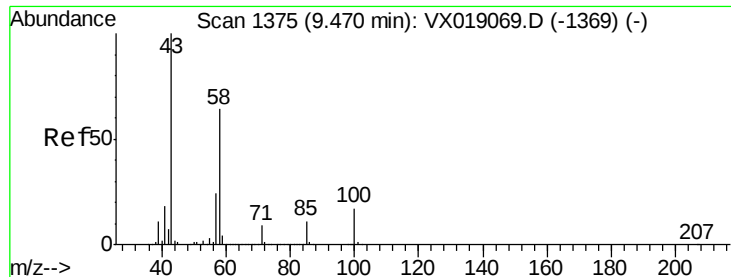
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.1  | 42.5  | 63.7  |
| 119     | 32.0  | 25.6  | 38.4  |



#58  
4-Methyl-2-Pentanone  
Concen: 85.830 ug/l  
RT: 8.62 min Scan# 1235  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 47.0  | 37.6  | 56.4  |
| 85      | 24.3  | 19.4  | 29.2  |

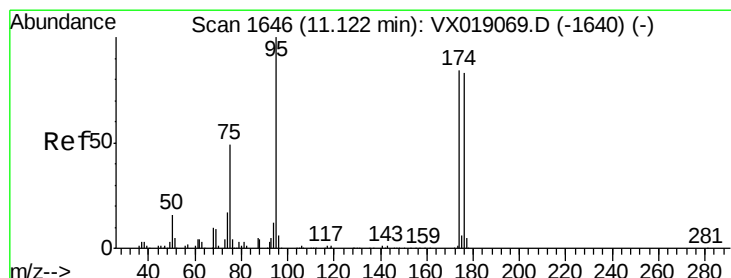
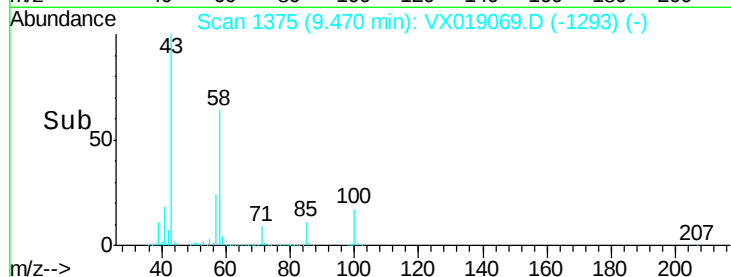
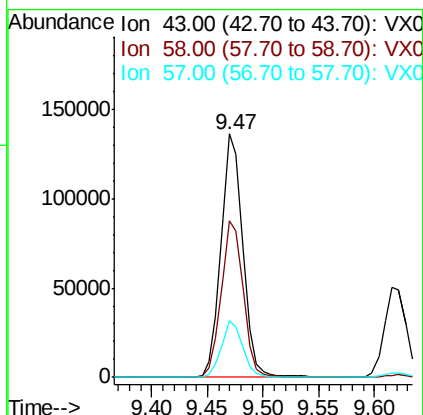
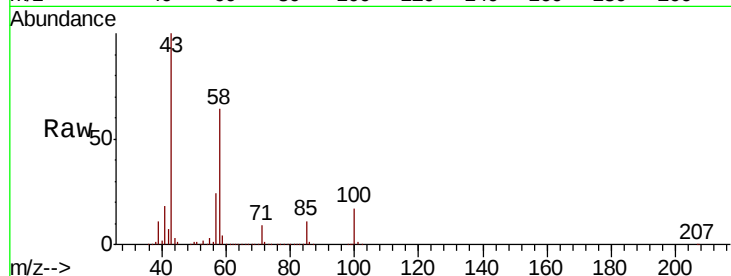




#59  
2-Hexanone  
Concen: 87.074 ug/l  
RT: 9.47 min Scan# 1375  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

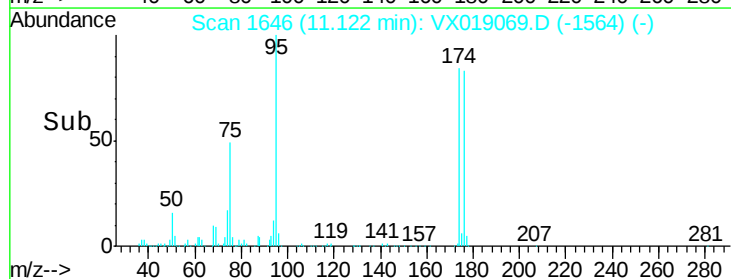
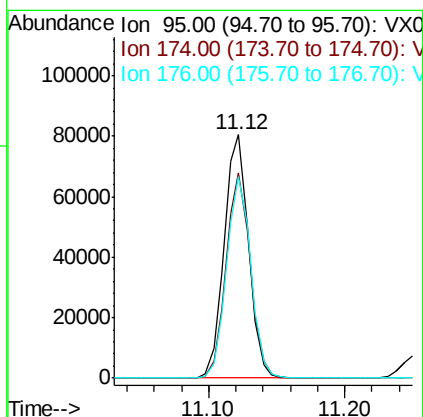
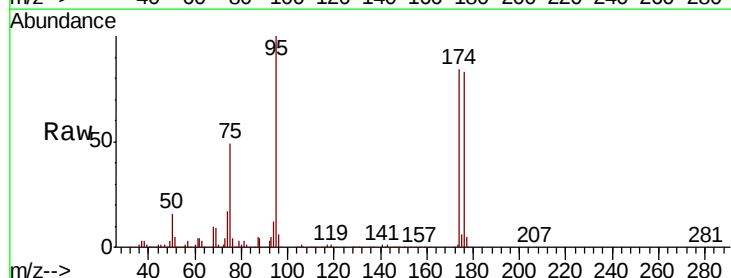
Instrument :  
MSVOA\_X  
ClientSampleId :

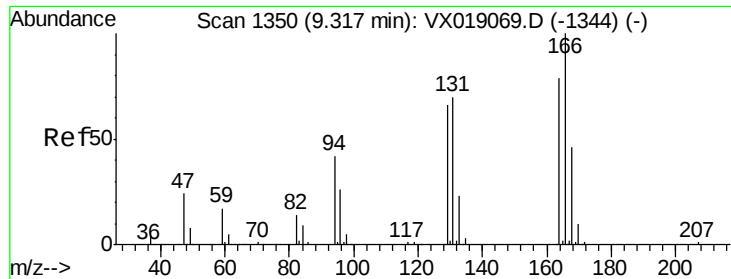
Tot Ion: 43 Resp: 185476  
Ion Ratio Lower Upper  
43 100  
58 64.9 51.9 77.9  
57 22.8 18.2 27.4



#60  
4-Bromofluorobenzene  
Concen: 29.480 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Tgt Ion: 95 Resp: 100297  
Ion Ratio Lower Upper  
95 100  
174 82.9 66.3 99.5  
176 81.9 65.5 98.3

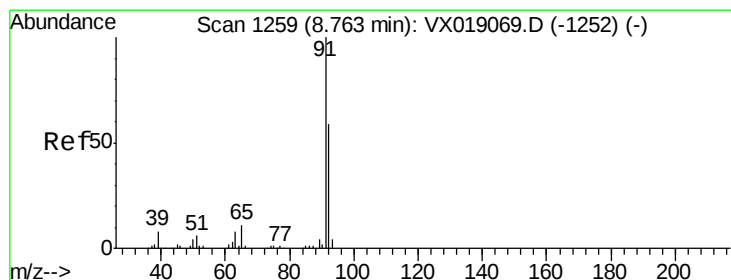
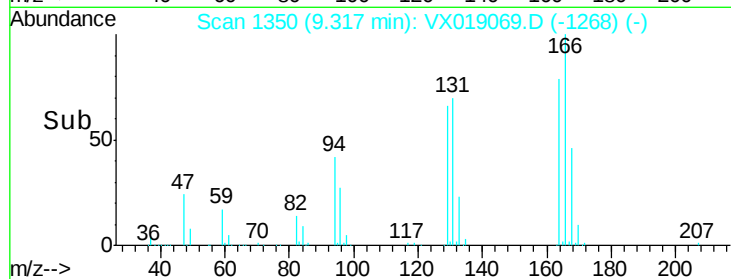
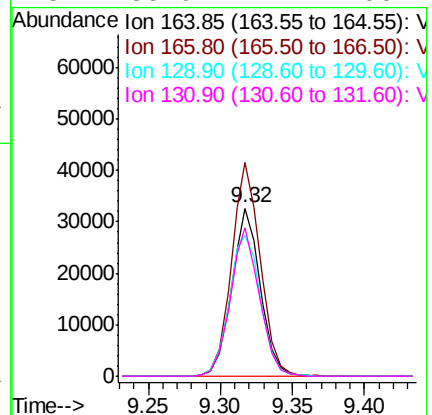
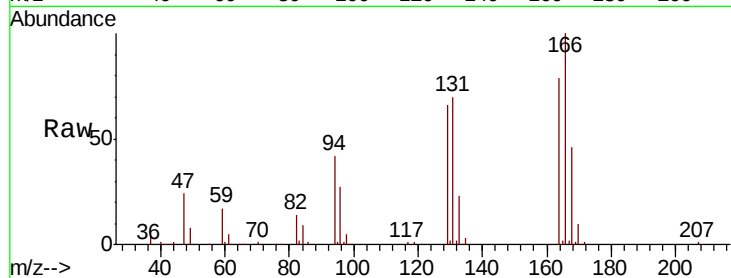




#61  
Tetrachloroethene  
Concen: 16.970 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

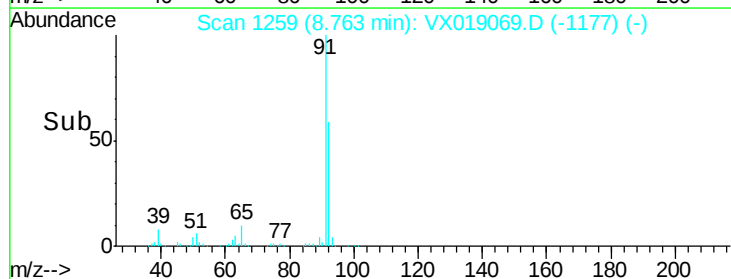
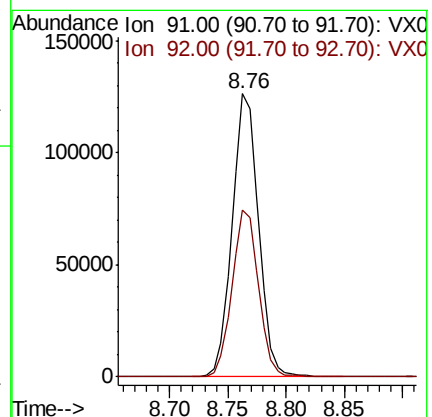
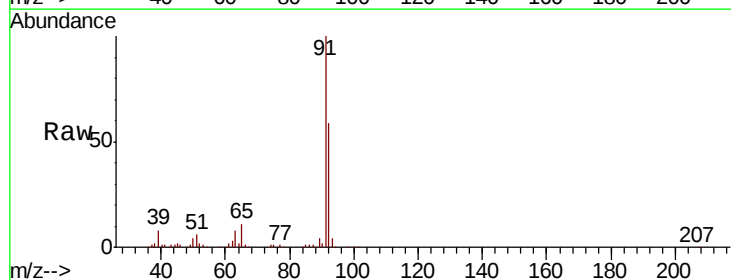
Instrument :  
MSVOA\_X  
ClientSampleId :

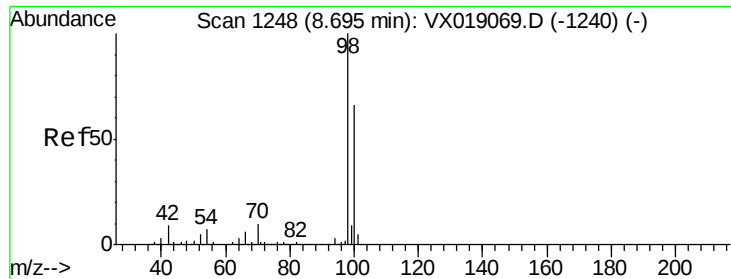
Tot Ion:164 Resp: 45635  
Ion Ratio Lower Upper  
164 100  
166 127.4 101.9 152.9  
129 83.8 67.0 100.6  
131 88.9 71.1 106.7



#62  
Toluene  
Concen: 16.720 ug/l  
RT: 8.76 min Scan# 1259  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Tgt Ion: 91 Resp: 199184  
Ion Ratio Lower Upper  
91 100  
92 59.1 47.3 70.9





#63

Toluene-d8

Concen: 30.293 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

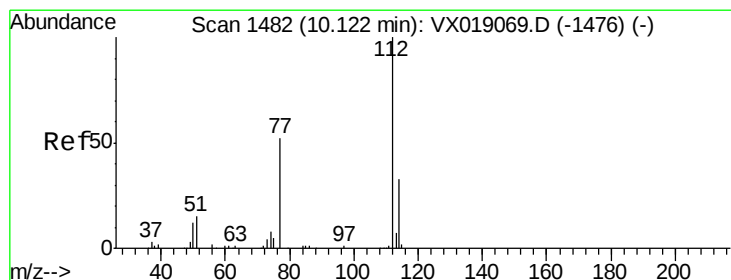
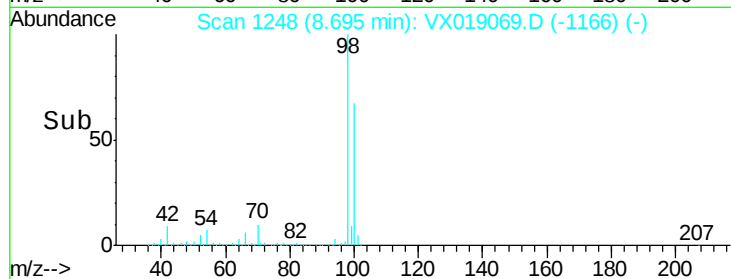
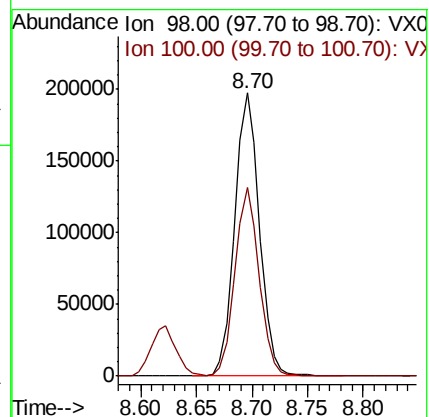
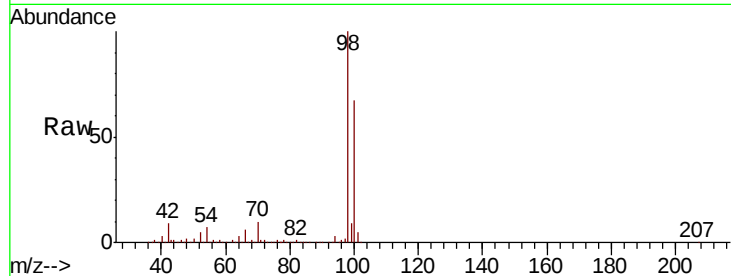
ClientSampleId :

Tot Ion: 98 Resp: 303169

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.4



#64

Chlorobenzene

Concen: 16.398 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX019069.D

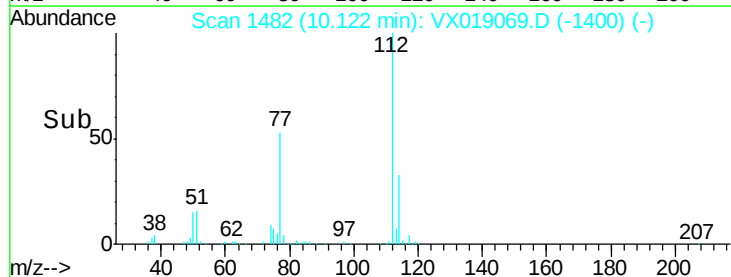
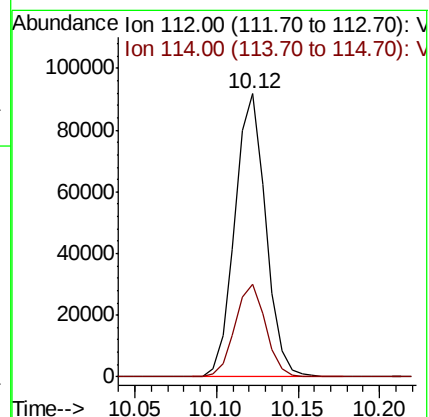
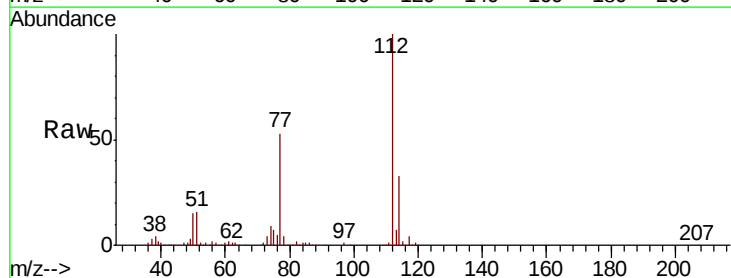
Acq: 23 Oct 2020 10:16

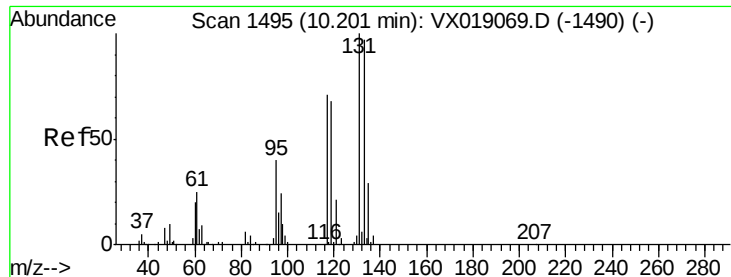
Tgt Ion: 112 Resp: 121433

Ion Ratio Lower Upper

112 100

114 32.7 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 16.258 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

ClientSampleId :

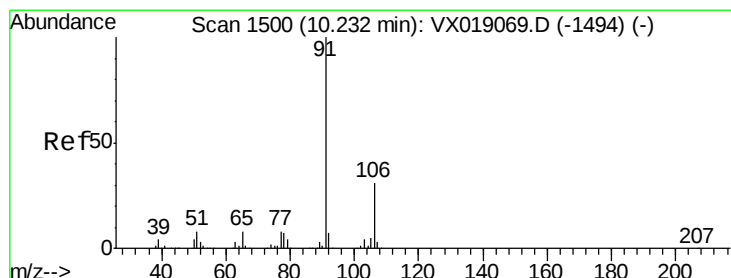
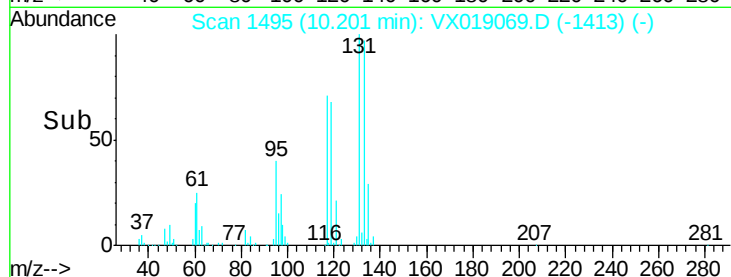
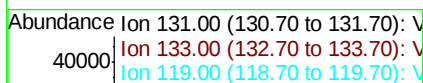
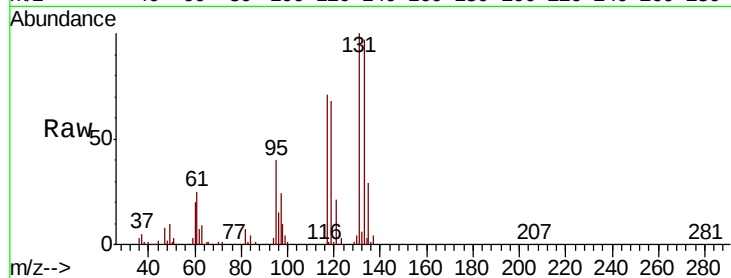
Tot Ion:131 Resp: 43787

Ion Ratio Lower Upper

131 100

133 95.8 0.0 191.6

119 65.0 0.0 130.0



#66

Ethyl Benzene

Concen: 16.612 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX019069.D

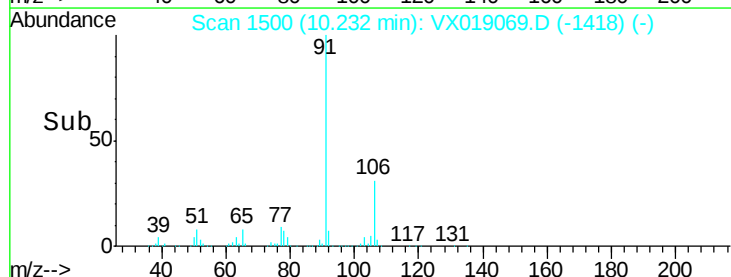
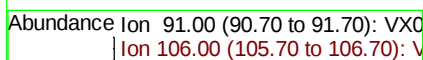
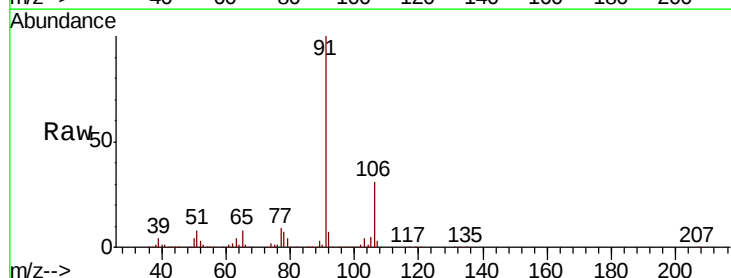
Acq: 23 Oct 2020 10:16

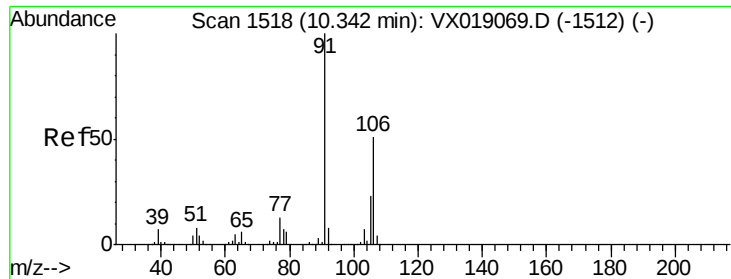
Tgt Ion: 91 Resp: 216962

Ion Ratio Lower Upper

91 100

106 30.9 24.7 37.1

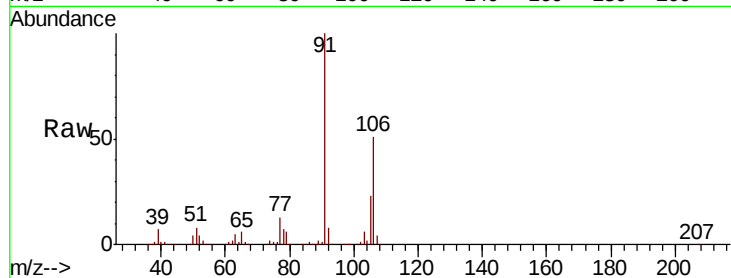




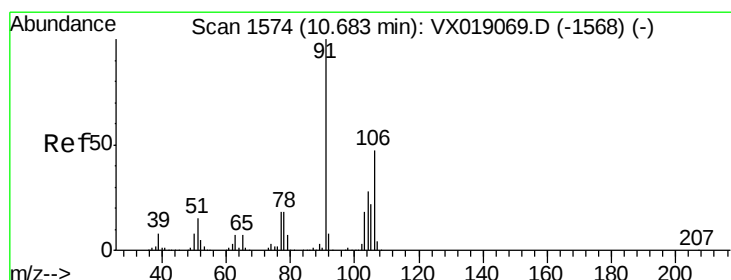
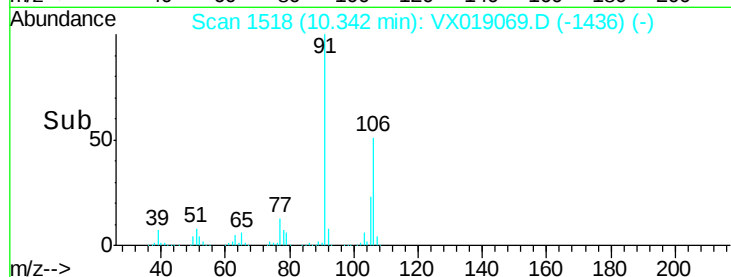
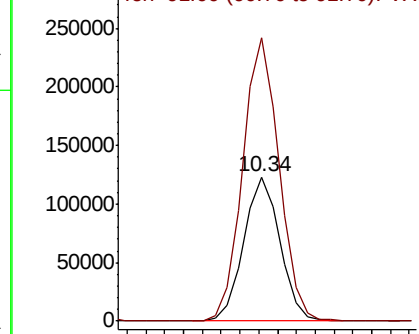
#67  
m/p-Xylenes  
Concen: 32.936 ug/l  
RT: 10.34 min Scan# 1518  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion:106 Resp: 164054  
Ion Ratio Lower Upper  
106 100  
91 196.9 157.5 236.3

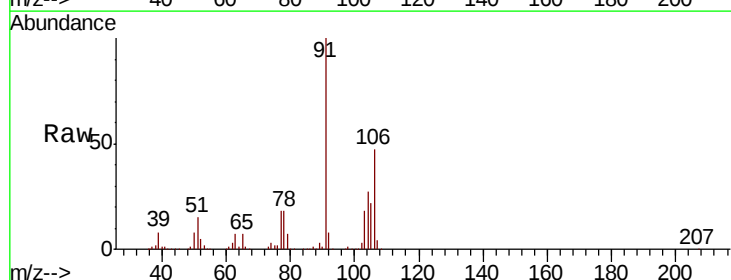


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

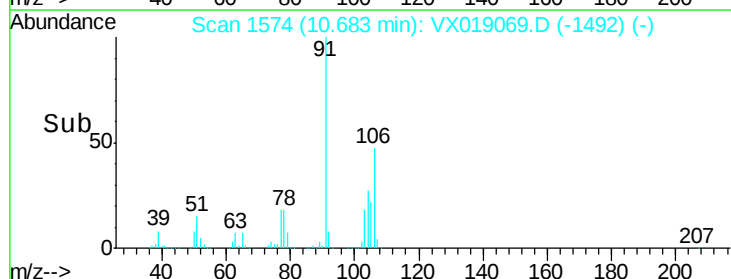
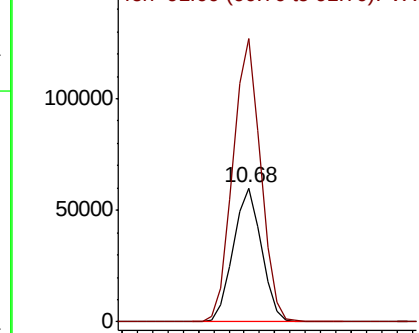


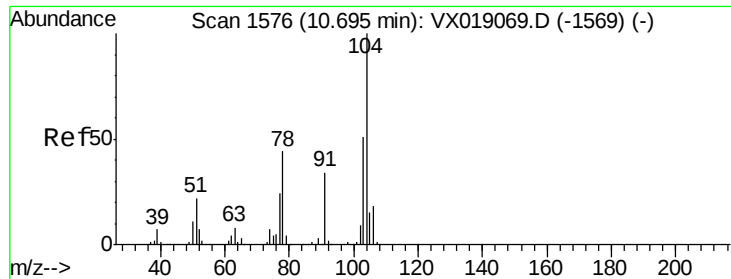
#68  
o-Xylene  
Concen: 16.172 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Tgt Ion:106 Resp: 76826  
Ion Ratio Lower Upper  
106 100  
91 207.6 103.8 311.4



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

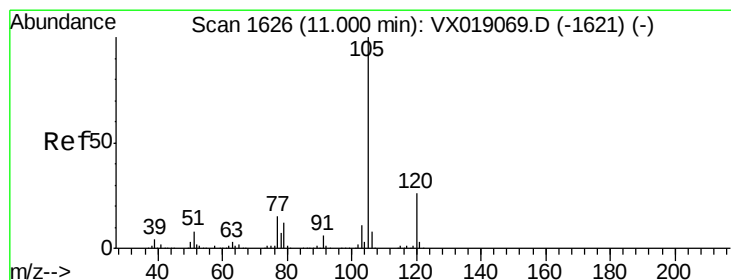
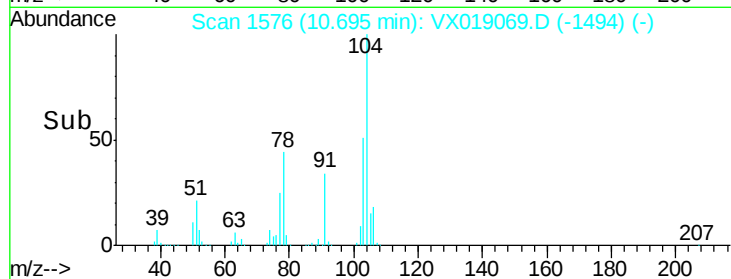
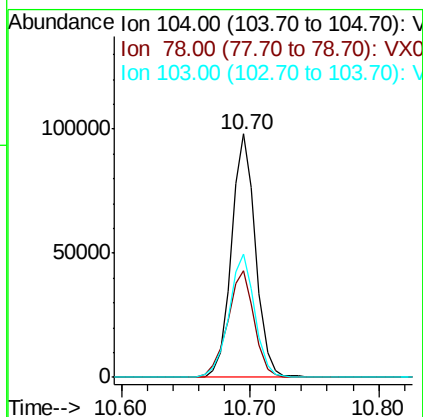
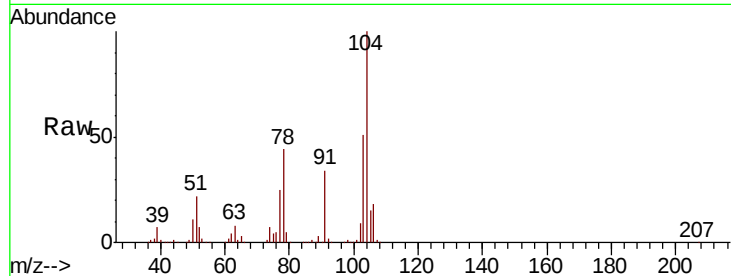




#69  
Stvrene  
Concen: 15.964 ug/l  
RT: 10.70 min Scan# 1576  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

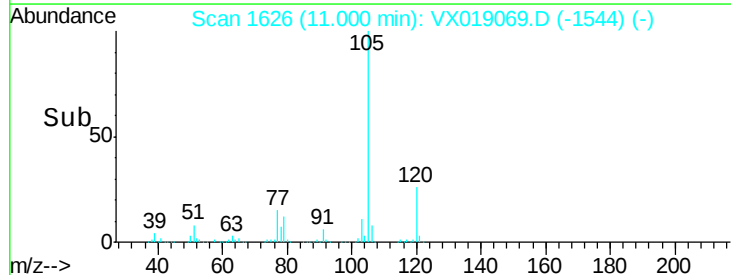
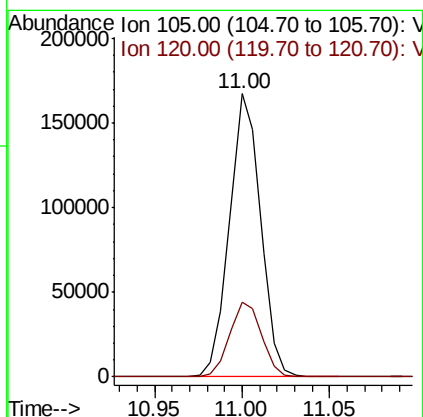
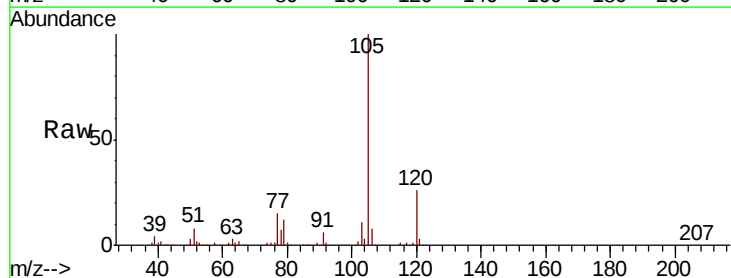
Instrument :  
MSVOA\_X  
ClientSampleId :

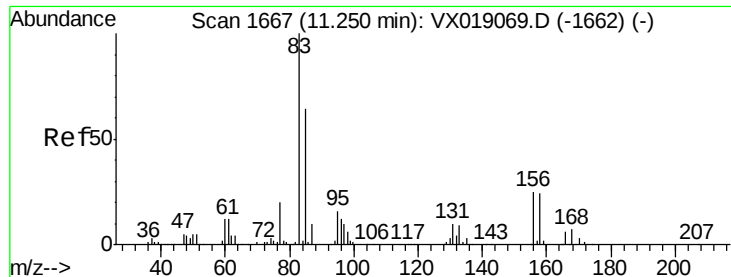
Tot Ion:104 Resp: 127773  
Ion Ratio Lower Upper  
104 100  
78 48.3 38.6 58.0  
103 54.3 43.4 65.2



#70  
Isopropylbenzene  
Concen: 16.202 ug/l  
RT: 11.00 min Scan# 1626  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Tgt Ion:105 Resp: 206952  
Ion Ratio Lower Upper  
105 100  
120 27.2 19.0 35.4





#71

1,1,2,2-Tetrachloroethane

Concen: 16.610 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

ClientSampleId :

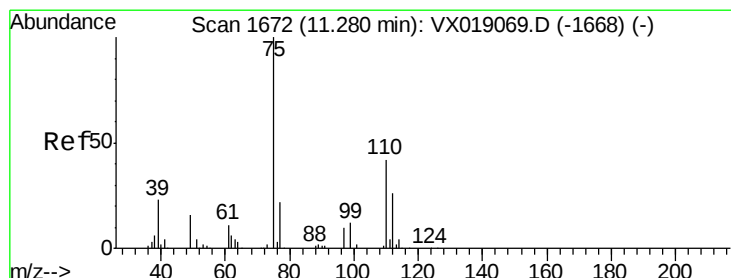
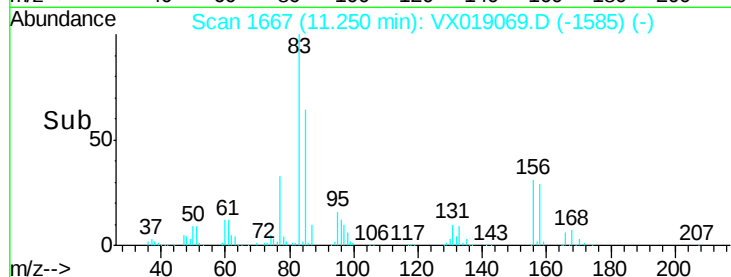
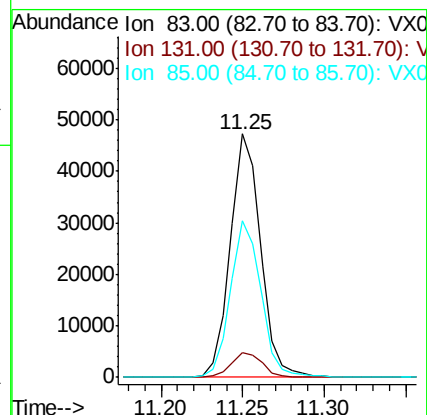
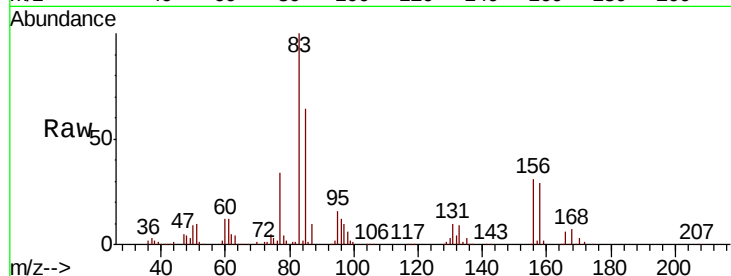
Tot Ion: 83 Resp: 61252

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

85 64.9 32.5 97.4



#72

1,2,3-Trichloropropane

Concen: 21.663 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019069.D

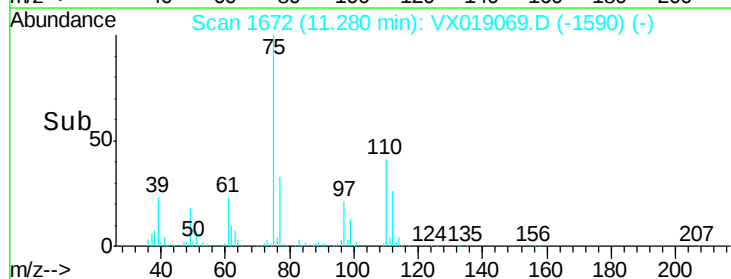
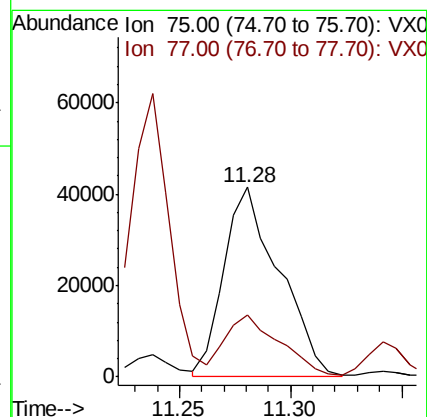
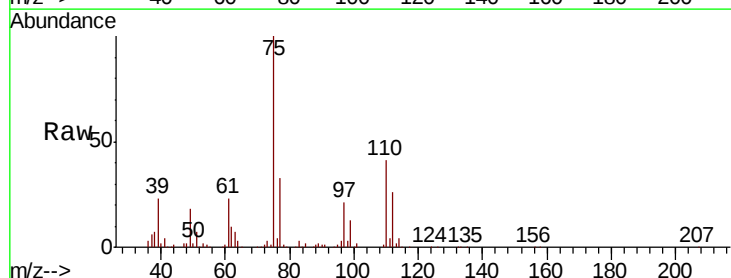
Acq: 23 Oct 2020 10:16

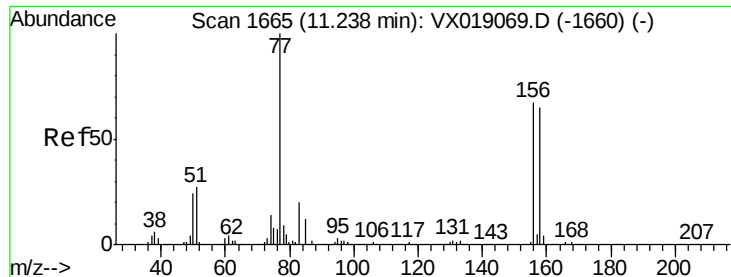
Tgt Ion: 75 Resp: 71840

Ion Ratio Lower Upper

75 100

77 32.4 0.0 81.8





#73

Bromobenzene

Concen: 16.187 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

ClientSampled :

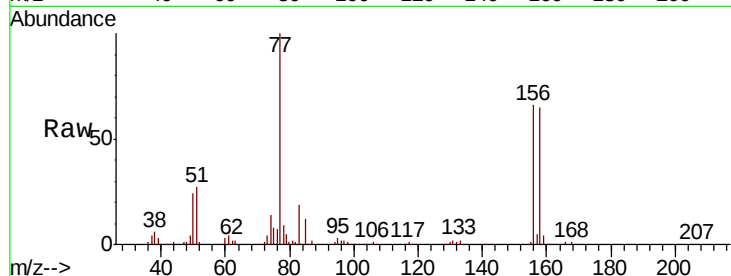
Tot Ion:156 Resp: 50531

Ion Ratio Lower Upper

156 100

77 149.8 0.0 299.6

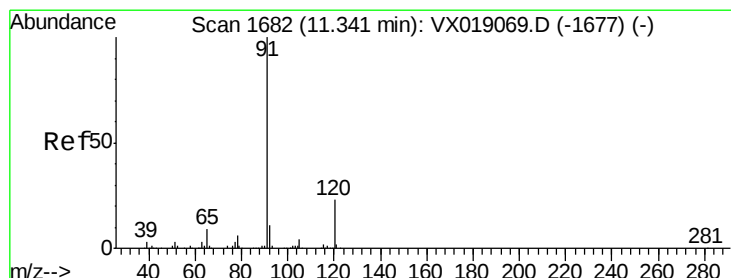
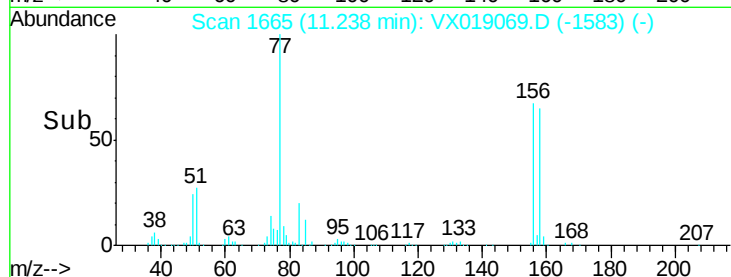
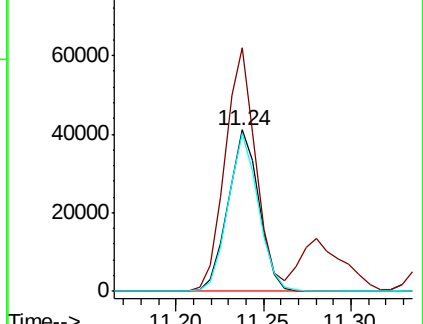
158 96.1 0.0 192.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 16.455 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019069.D

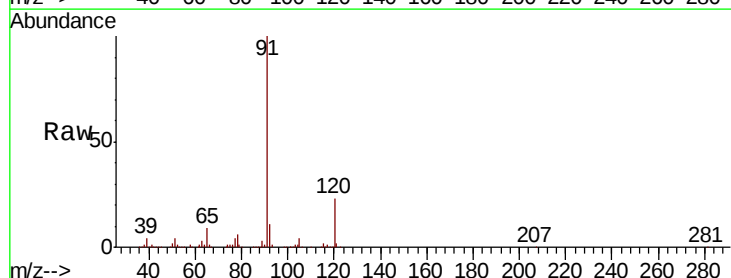
Acq: 23 Oct 2020 10:16

Tgt Ion: 91 Resp: 237996

Ion Ratio Lower Upper

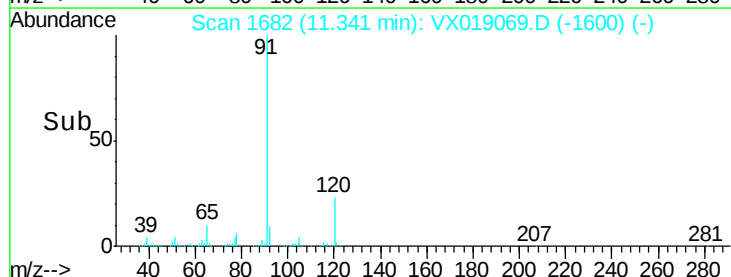
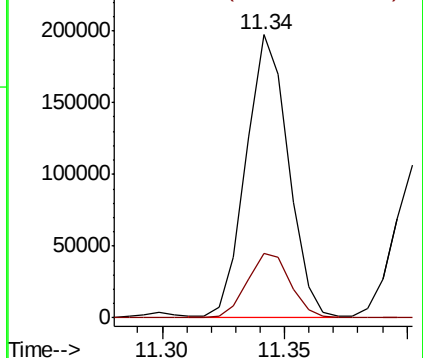
91 100

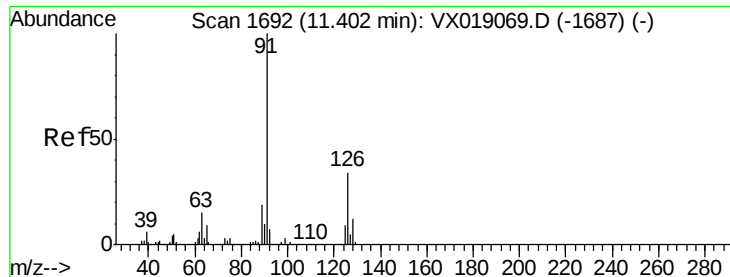
120 23.3 0.0 46.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 16.282 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

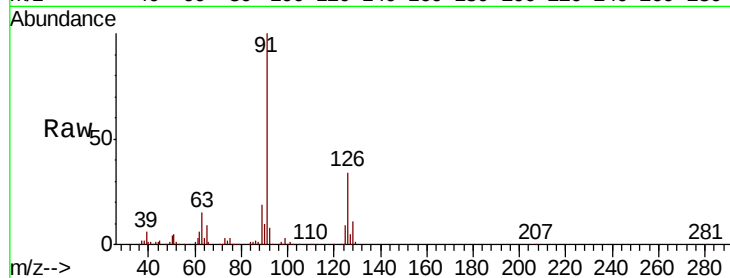
ClientSampled :

Tot Ion: 91 Resp: 133204

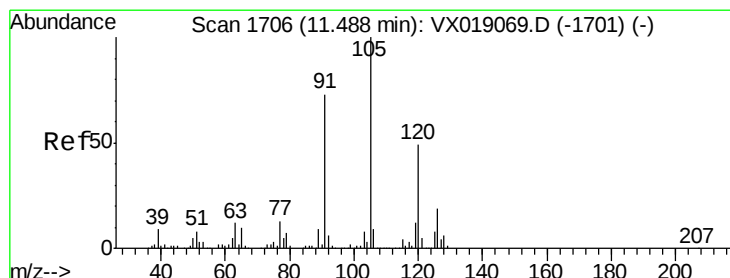
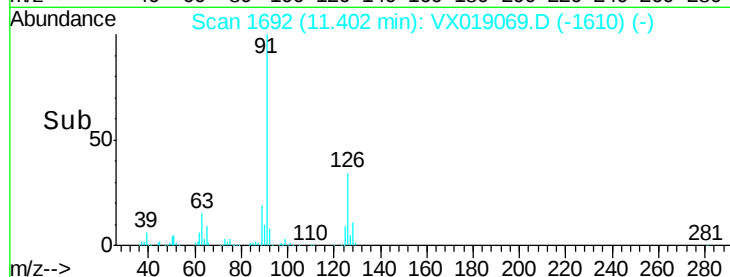
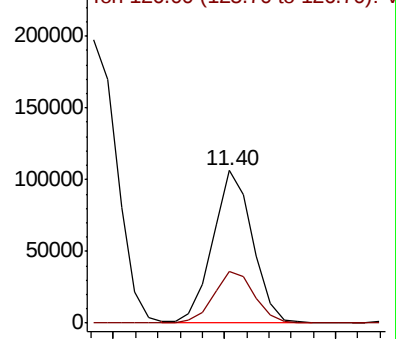
Ion Ratio Lower Upper

91 100

126 34.5 0.0 69.0



Abundance Ion 91.00 (90.70 to 91.70): VX019069.D (-1687) (-)



#76

1,3,5-Trimethylbenzene

Concen: 16.119 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019069.D

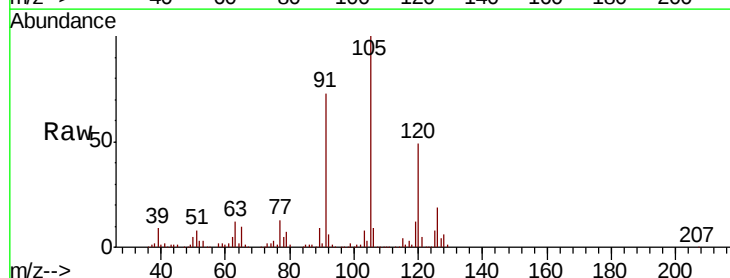
Acq: 23 Oct 2020 10:16

Tgt Ion: 105 Resp: 167069

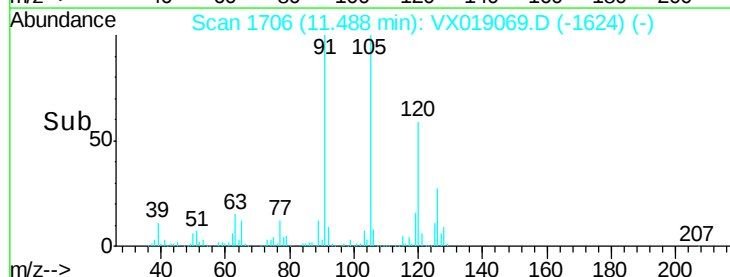
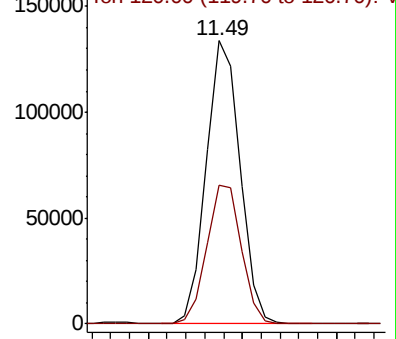
Ion Ratio Lower Upper

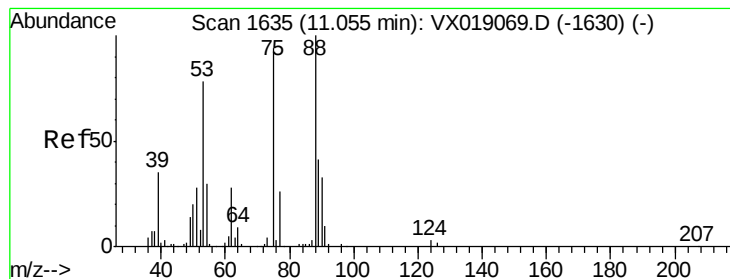
105 100

120 50.1 0.0 100.2



Abundance Ion 105.00 (104.70 to 105.70): VX019069.D (-1701) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 15.914 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

ClientSampled :

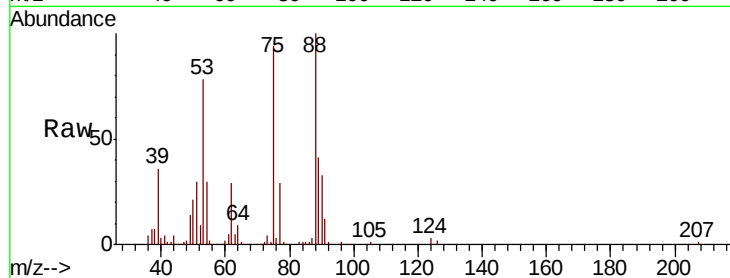
Tot Ion: 75 Resp: 20958

Ion Ratio Lower Upper

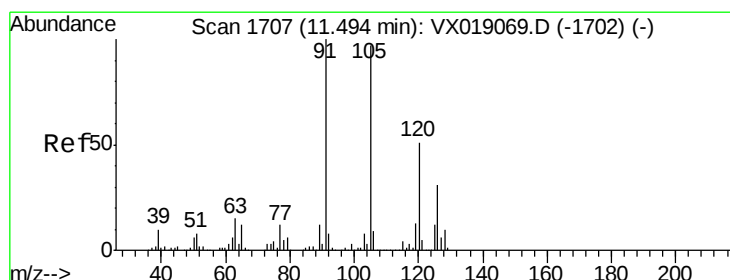
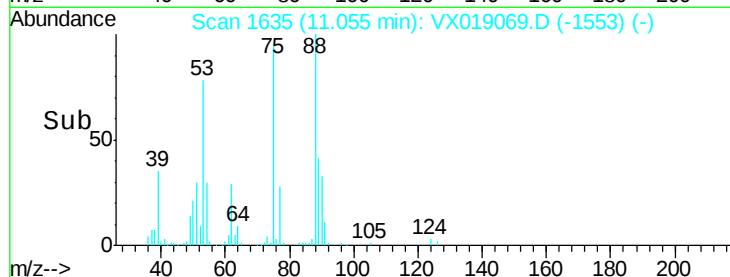
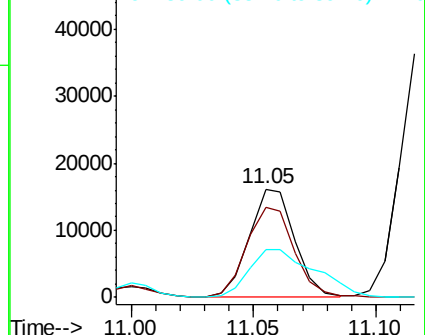
75 100

53 83.2 41.6 124.8

89 43.5 21.8 65.3



Abundance Ion 75.00 (74.70 to 75.70): VX0  
Ion 53.00 (52.70 to 53.70): VX0  
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 16.282 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX019069.D

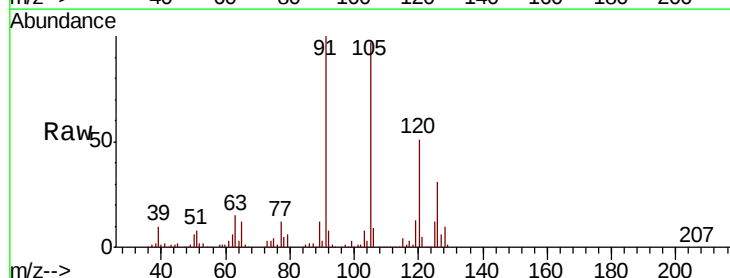
Acq: 23 Oct 2020 10:16

Tgt Ion: 91 Resp: 156531

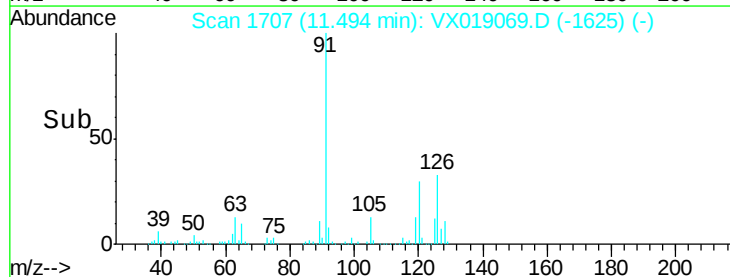
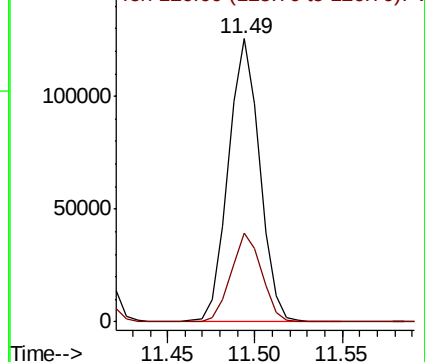
Ion Ratio Lower Upper

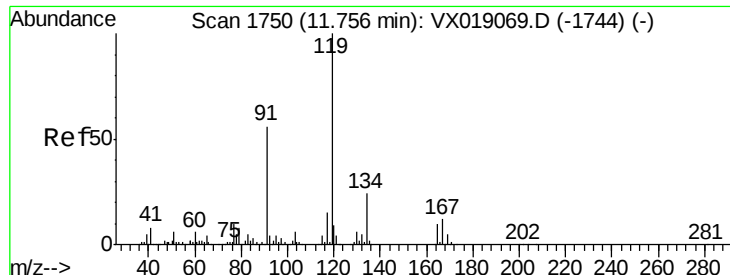
91 100

126 30.6 0.0 61.2



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 126.00 (125.70 to 126.70): V

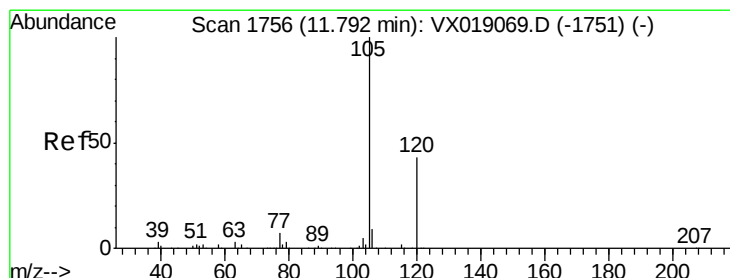
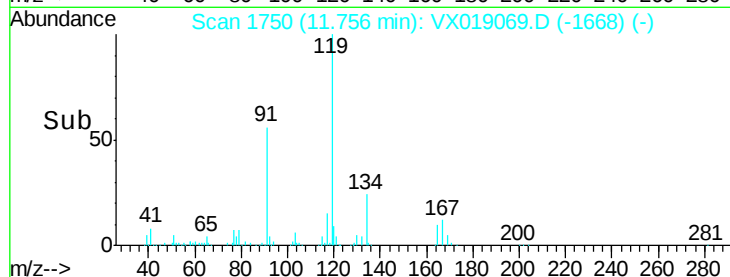
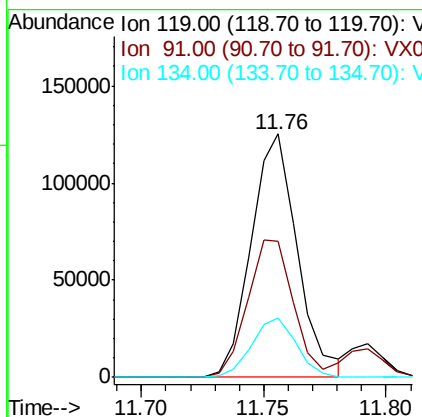
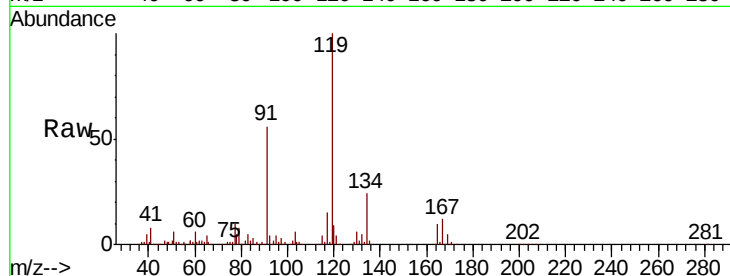




#79  
tert-butylbenzene  
Concen: 16.182 ug/l  
RT: 11.76 min Scan# 1750  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

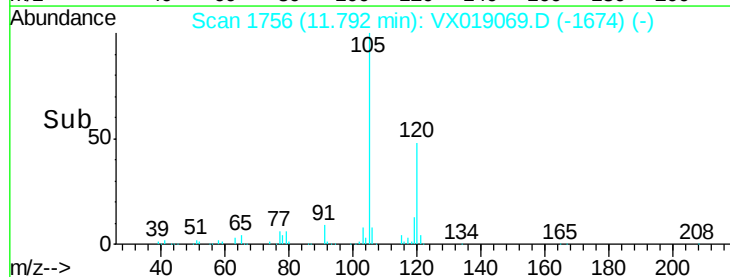
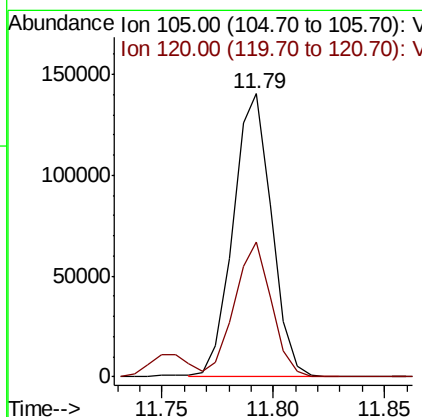
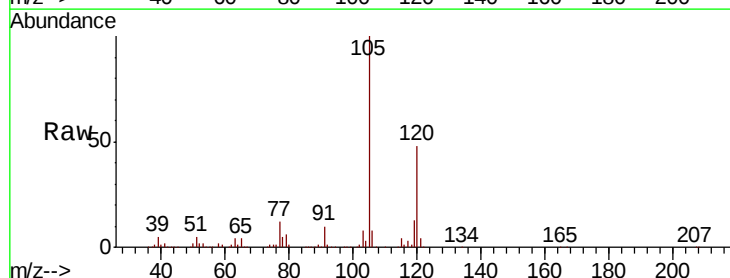
Instrument :  
MSVOA\_X  
ClientSampleId :

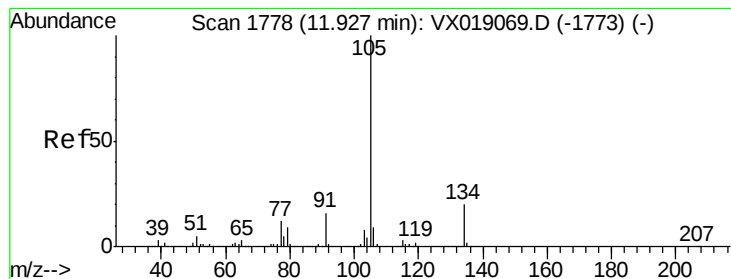
Tot Ion:119 Resp: 165167  
Ion Ratio Lower Upper  
119 100  
91 55.7 0.0 111.4  
134 23.6 0.0 47.2



#80  
1,2,4-Trimethylbenzene  
Concen: 16.385 ug/l  
RT: 11.79 min Scan# 1756  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Tgt Ion:105 Resp: 168826  
Ion Ratio Lower Upper  
105 100  
120 46.0 0.0 92.0





#81

sec-Butylbenzene

Concen: 16.300 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

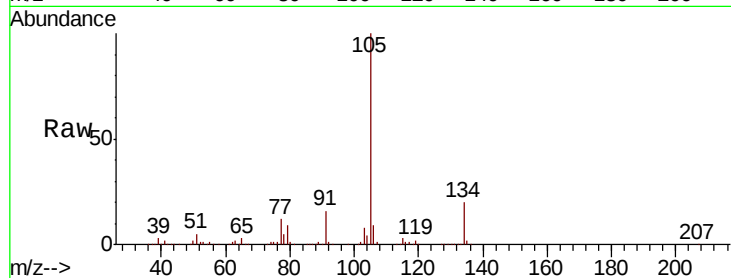
ClientSampleId :

Tot Ion:105 Resp: 196853

Ion Ratio Lower Upper

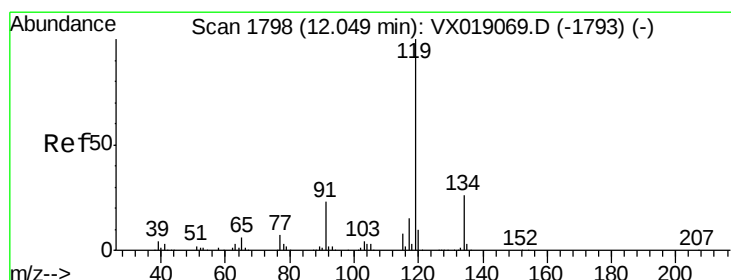
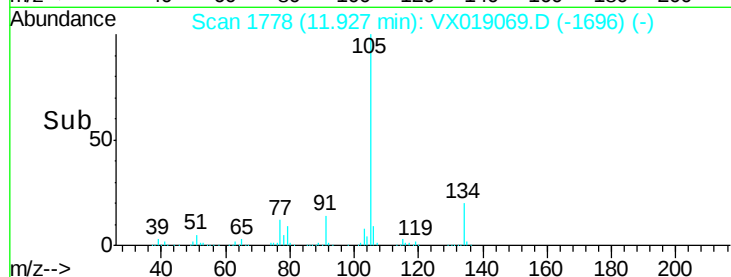
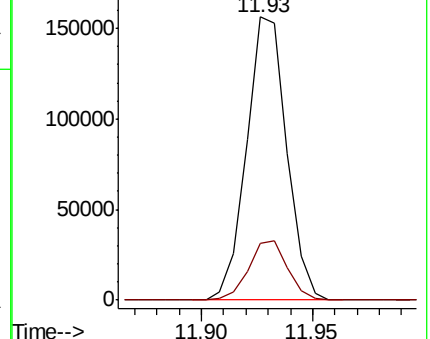
105 100

134 20.4 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 16.082 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

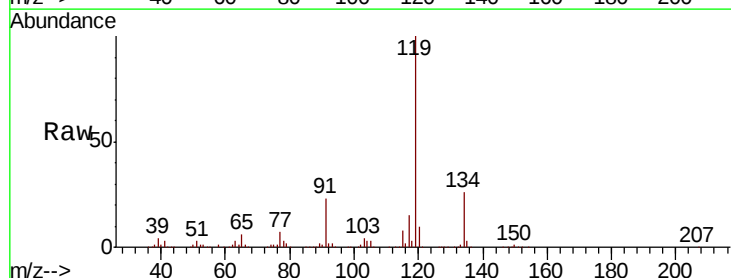
Tgt Ion:119 Resp: 179003

Ion Ratio Lower Upper

119 100

134 26.0 0.0 52.0

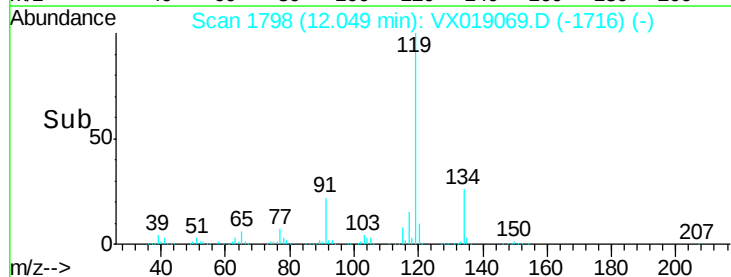
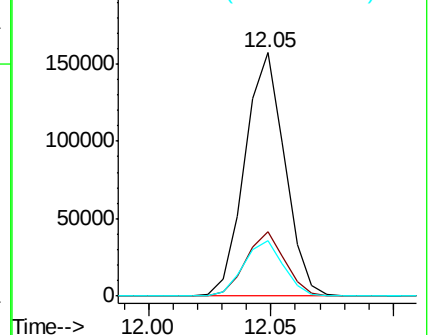
91 22.8 0.0 45.6

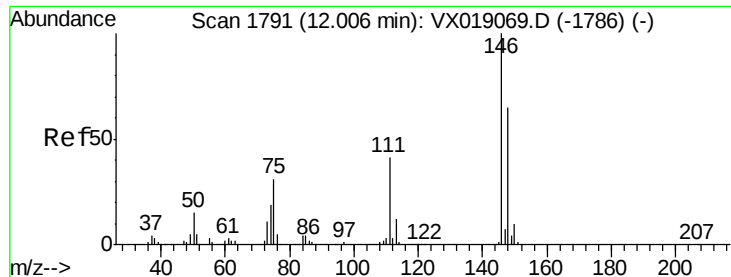


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

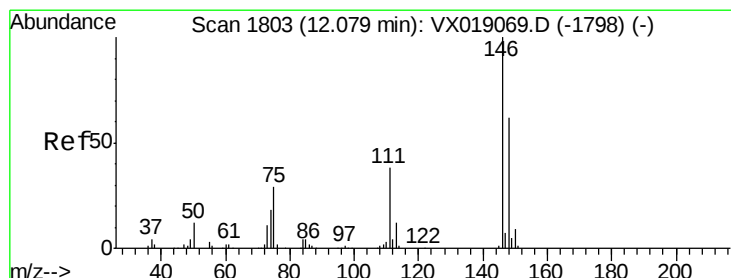
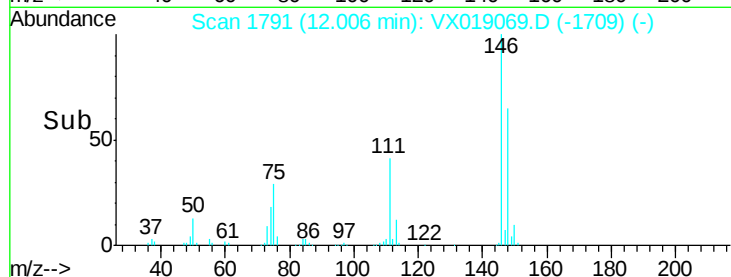
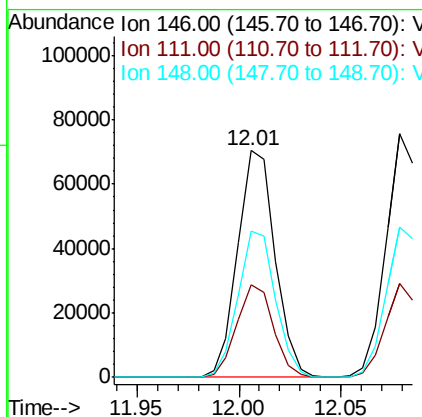
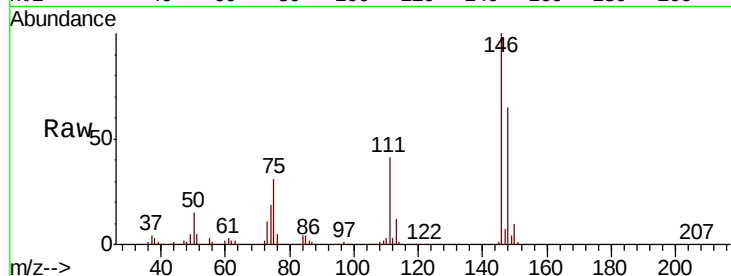




#83  
 1,3-Dichlorobenzene  
 Concen: 16.175 ug/l  
 RT: 12.01 min Scan# 1791  
 Delta R.T. 0.00 min  
 Lab File: VX019069.D  
 Acq: 23 Oct 2020 10:16

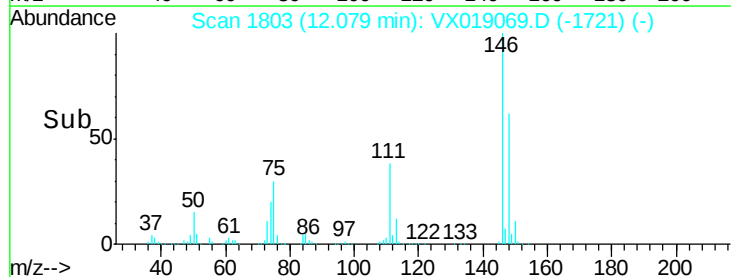
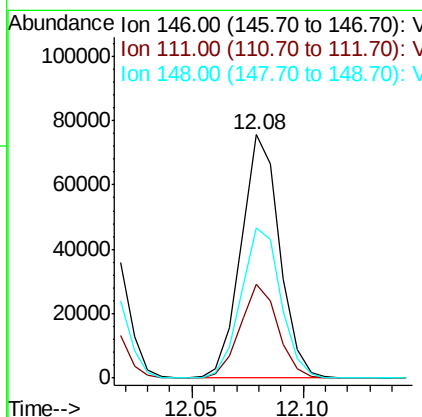
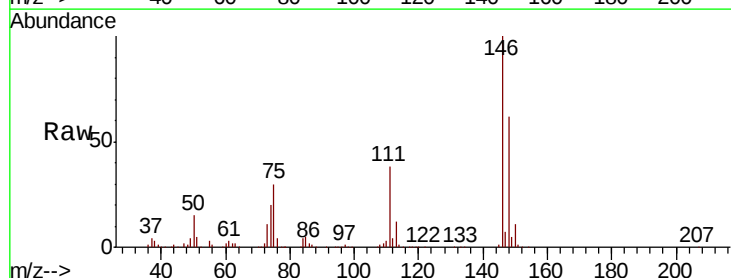
Instrument :  
 MSVOA\_X  
 ClientSampleId :

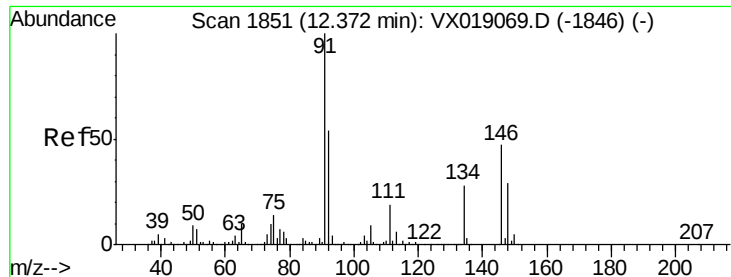
Tot Ion:146 Resp: 90250  
 Ion Ratio Lower Upper  
 146 100  
 111 39.9 20.0 59.9  
 148 64.4 32.2 96.6



#84  
 1,4-Dichlorobenzene  
 Concen: 16.100 ug/l  
 RT: 12.08 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VX019069.D  
 Acq: 23 Oct 2020 10:16

Tgt Ion:146 Resp: 91209  
 Ion Ratio Lower Upper  
 146 100  
 111 37.8 18.9 56.7  
 148 63.3 31.6 95.0

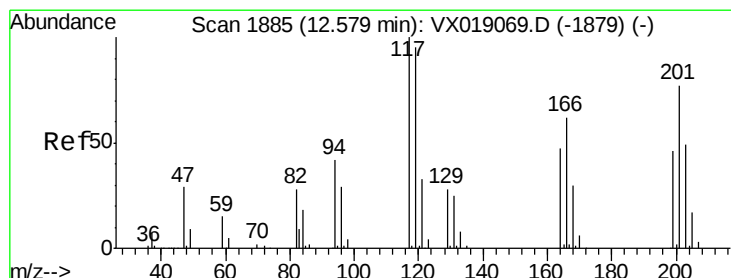
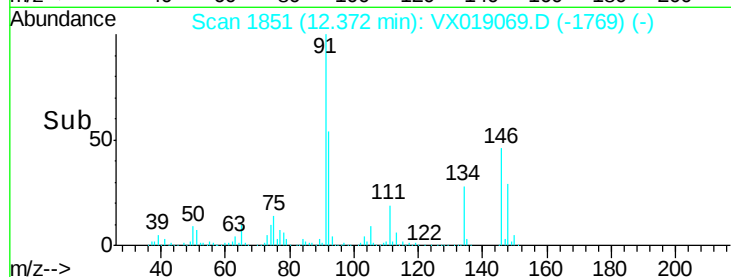
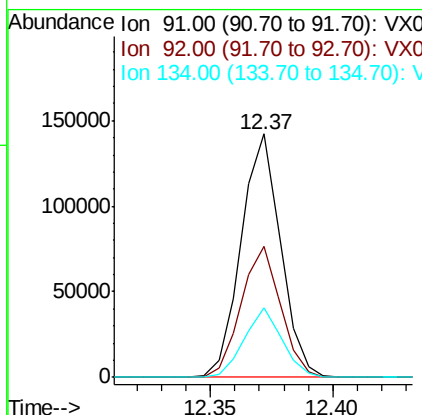
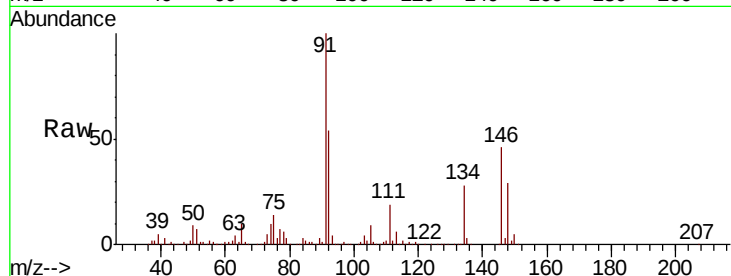




#85  
n-Butylbenzene  
Concen: 16.031 ug/l  
RT: 12.37 min Scan# 1851  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

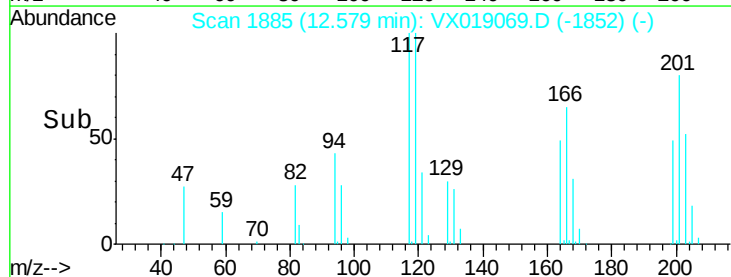
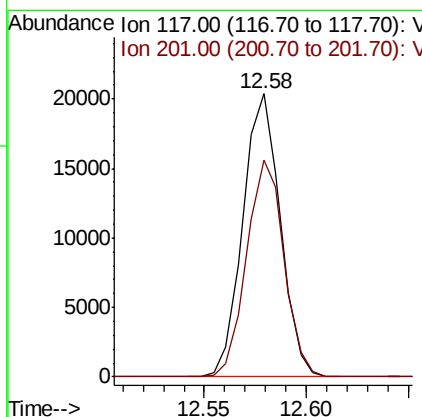
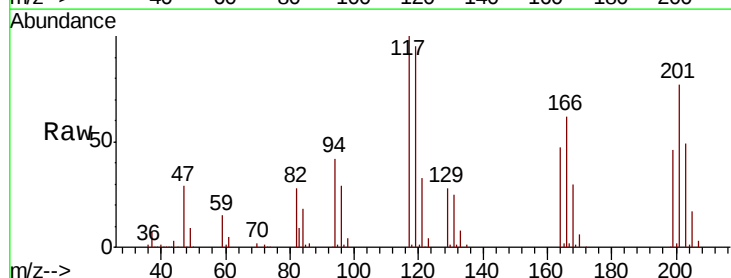
Instrument :  
MSVOA\_X  
ClientSampleId :

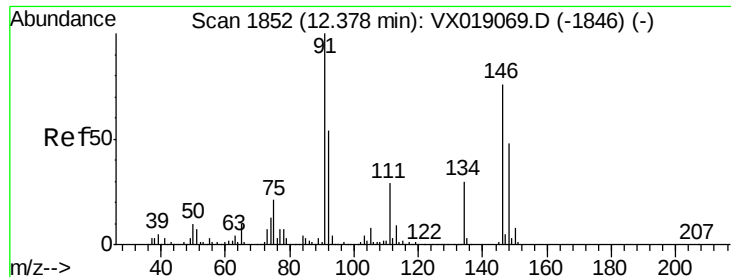
Tot Ion: 91 Resp: 159765  
Ion Ratio Lower Upper  
91 100  
92 53.7 0.0 107.4  
134 27.3 0.0 54.6



#86  
Hexachloroethane  
Concen: 15.194 ug/l  
RT: 12.58 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Tgt Ion: 117 Resp: 25976  
Ion Ratio Lower Upper  
117 100  
201 76.7 38.4 115.1





#87

1,2-Dichlorobenzene

Concen: 16.197 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX019069.D

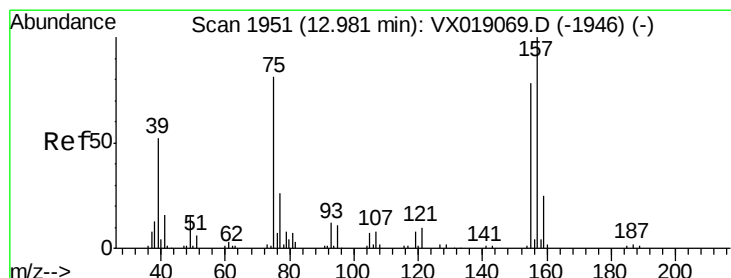
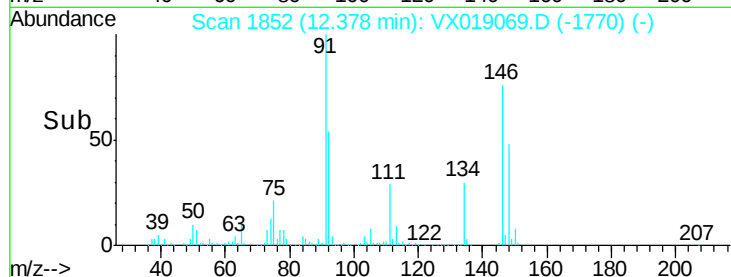
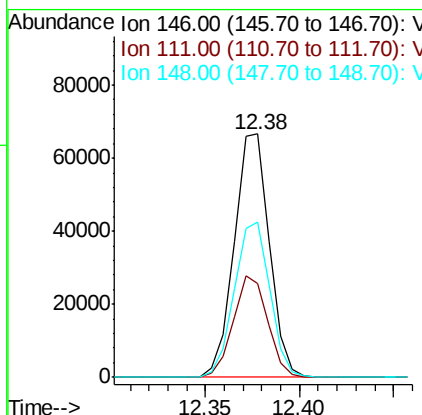
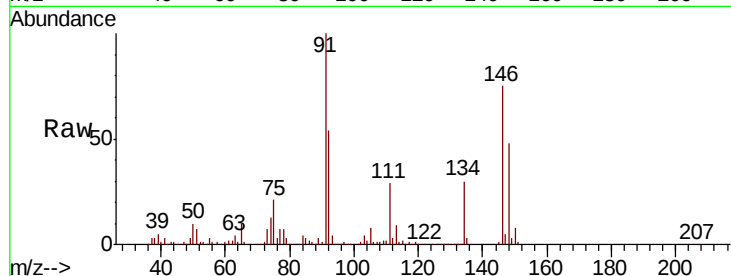
Acq: 23 Oct 2020 10:16

Instrument :

MSVOA\_X

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:146 | Resp: | 86517       |
| Ion         | Ratio | Lower Upper |
| 146         | 100   |             |
| 111         | 40.7  | 20.3 61.0   |
| 148         | 64.3  | 32.1 96.5   |



#88

1,2-Dibromo-3-Chloropropane

Concen: 16.046 ug/l

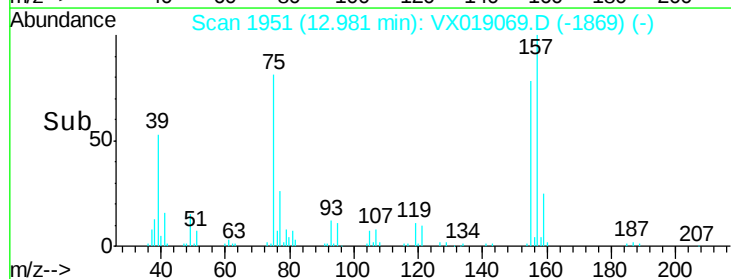
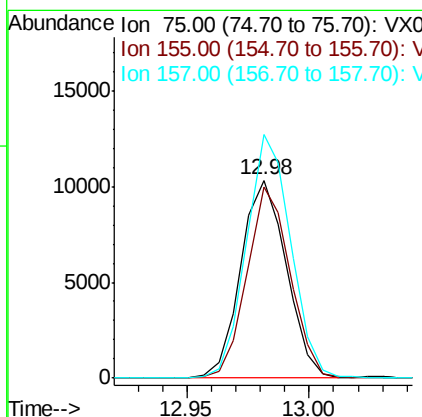
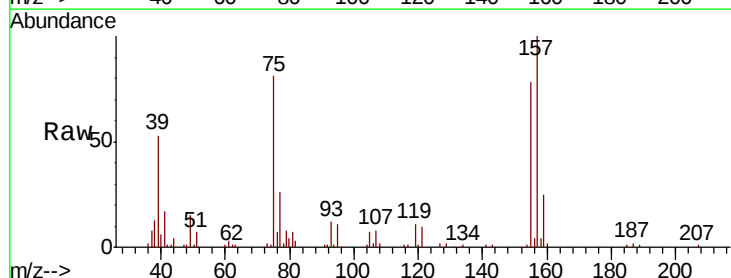
RT: 12.98 min Scan# 1951

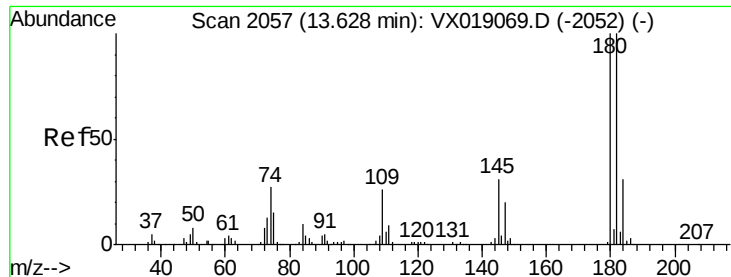
Delta R.T. 0.00 min

Lab File: VX019069.D

Acq: 23 Oct 2020 10:16

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 75 | Resp: | 13392       |
| Ion         | Ratio | Lower Upper |
| 75          | 100   |             |
| 155         | 92.1  | 73.7 110.5  |
| 157         | 120.6 | 96.5 144.7  |

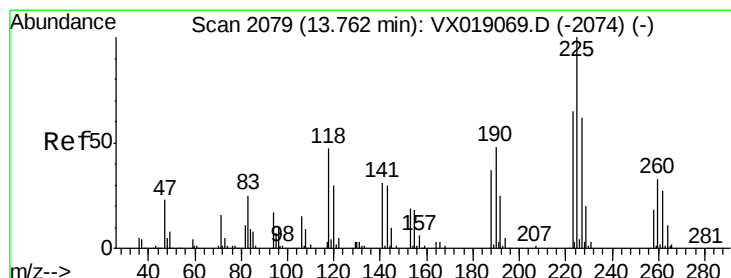
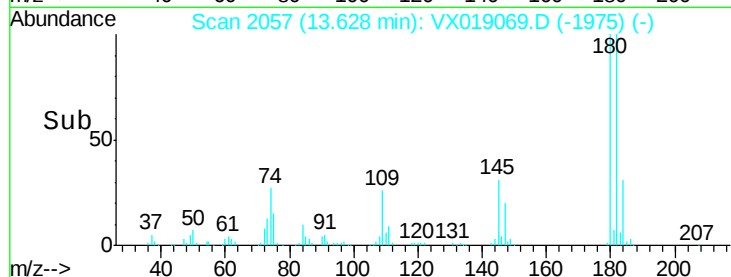
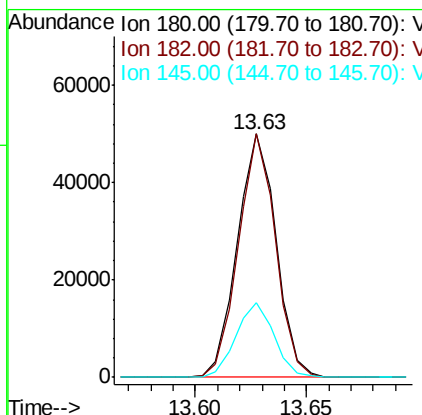
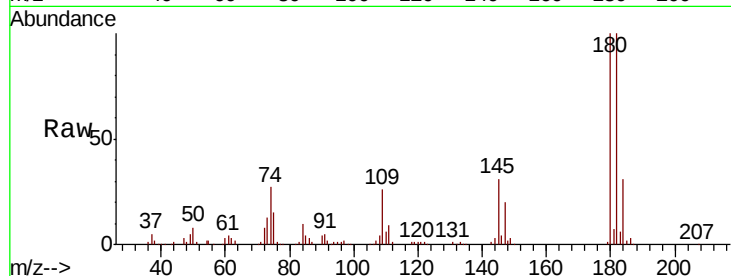




#89  
 1,2,4-Trichlorobenzene  
 Concen: 15.785 ug/l  
 RT: 13.63 min Scan# 2057  
 Delta R.T. 0.00 min  
 Lab File: VX019069.D  
 Acq: 23 Oct 2020 10:16

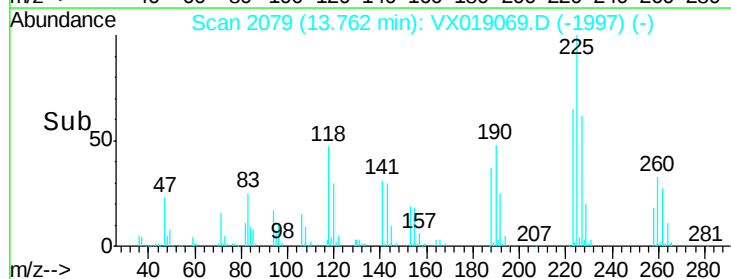
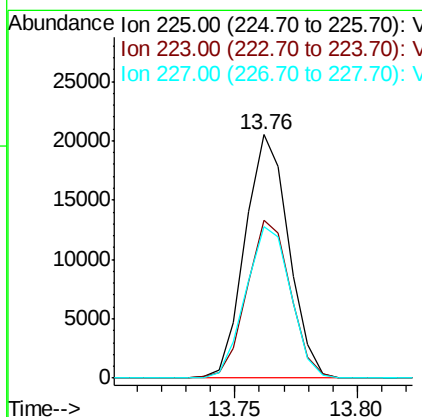
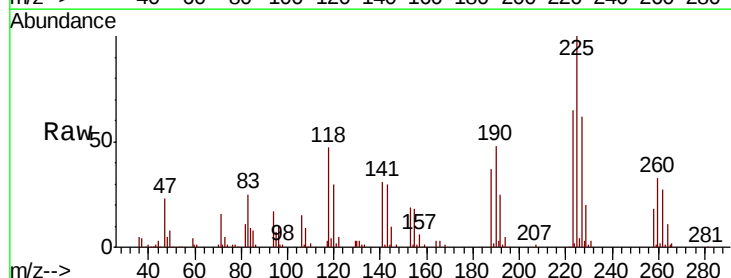
Instrument :  
 MSVOA\_X  
 ClientSampleId :

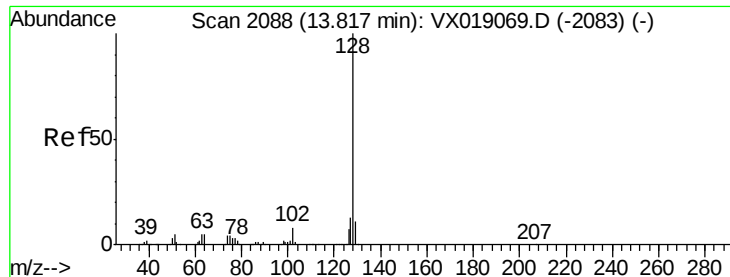
Tot Ion:180 Resp: 60675  
 Ion Ratio Lower Upper  
 180 100  
 182 95.6 76.5 114.7  
 145 30.3 24.2 36.4



#90  
 Hexachlorobutadiene  
 Concen: 15.630 ug/l  
 RT: 13.76 min Scan# 2079  
 Delta R.T. 0.00 min  
 Lab File: VX019069.D  
 Acq: 23 Oct 2020 10:16

Tgt Ion:225 Resp: 25475  
 Ion Ratio Lower Upper  
 225 100  
 223 65.0 0.0 130.0  
 227 64.3 0.0 128.6

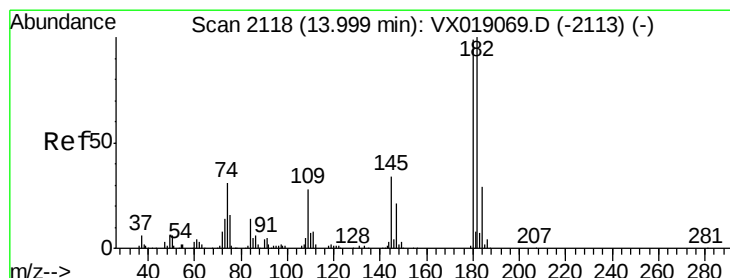
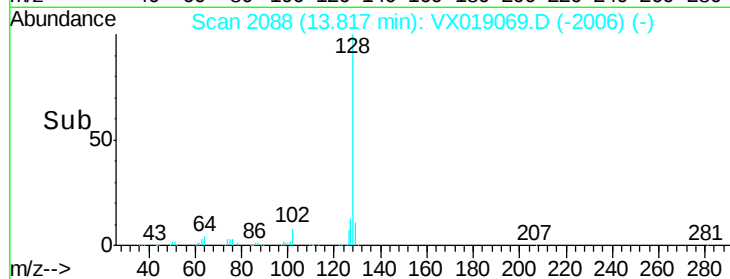
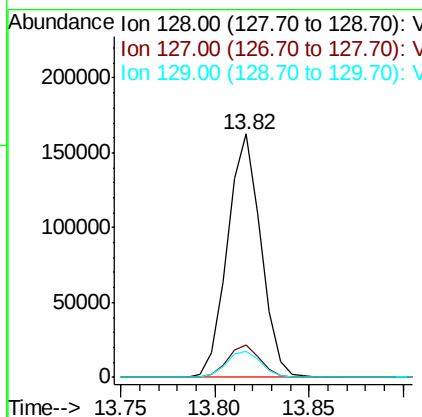
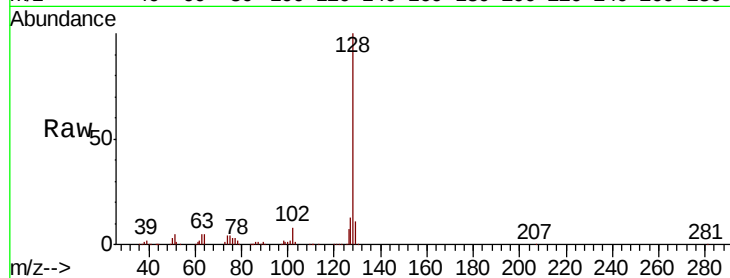




#91  
Naphthalene  
Concen: 15.820 ug/l  
RT: 13.82 min Scan# 2088  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:128 Resp: 199070  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.6 16.0  
129 11.1 8.9 13.3



#92  
1,2,3-Trichlorobenzene  
Concen: 15.862 ug/l  
RT: 14.00 min Scan# 2118  
Delta R.T. 0.00 min  
Lab File: VX019069.D  
Acq: 23 Oct 2020 10:16

Tgt Ion:180 Resp: 58653  
Ion Ratio Lower Upper  
180 100  
182 96.2 0.0 192.4  
145 32.3 0.0 64.6

