

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121920\  
 Data File : VX020195.D  
 Acq On : 20 Dec 2020 01:18  
 Operator : JC/MD  
 Sample : VX1219WBL02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1219WBL02

Quant Time: Dec 21 02:41:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 18 13:09:49 2020  
 Response via : Initial Calibration

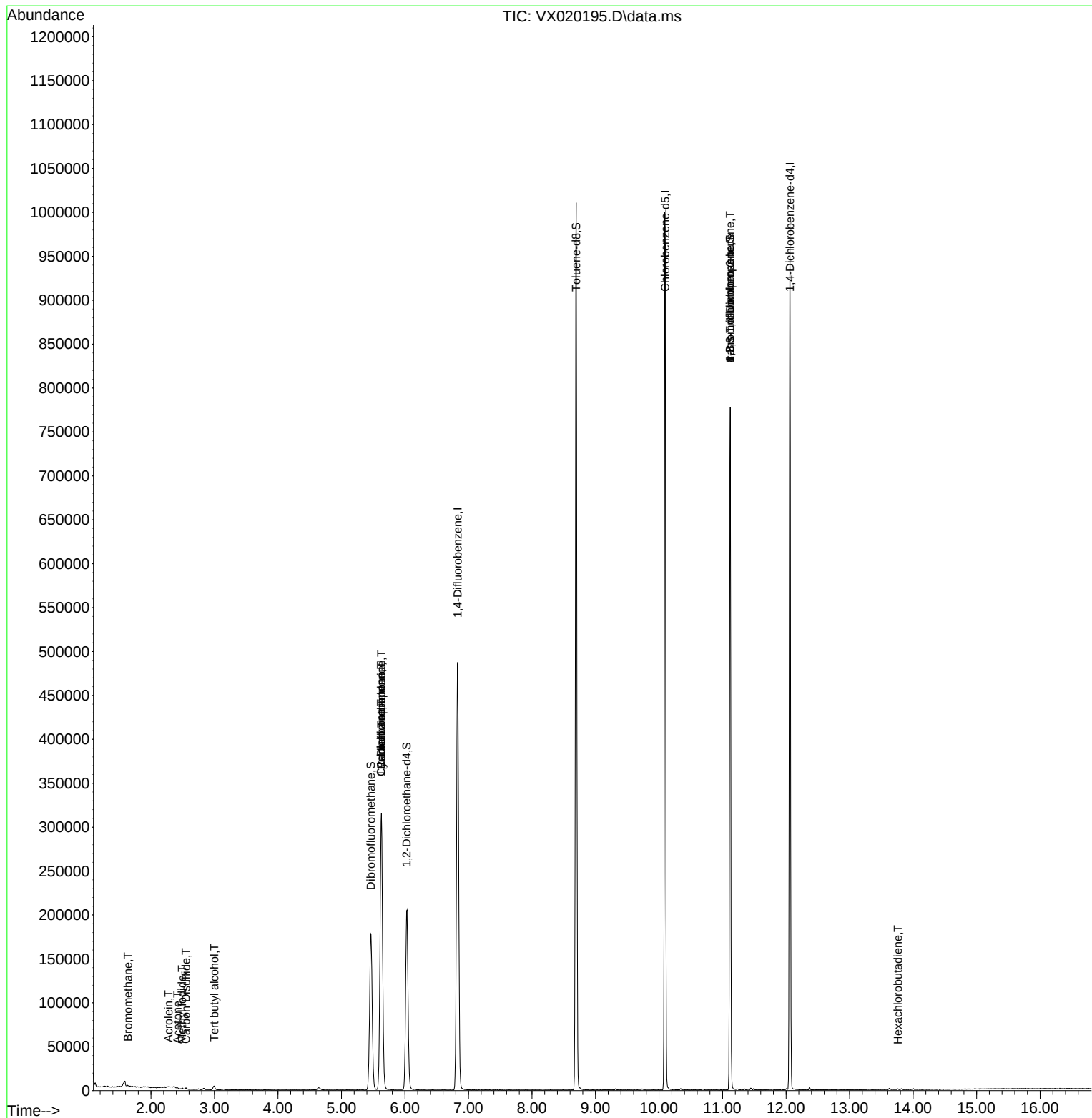
| Compound                      | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|--------|--------|----------|
| -----                         |                |      |            |        |        |          |
| Internal Standards            |                |      |            |        |        |          |
| 1) Pentafluorobenzene         | 5.629          | 168  | 297283     | 50.00  | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene       | 6.830          | 114  | 497047     | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.098         | 117  | 465266     | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.061         | 152  | 199903     | 50.00  | ug/l   | 0.00     |
|                               |                |      |            |        |        |          |
| System Monitoring Compounds   |                |      |            |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.025          | 65   | 195421     | 49.04  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 98.08% |        |          |
| 35) Dibromofluoromethane      | 5.465          | 113  | 156250     | 49.14  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 98.28% |        |          |
| 50) Toluene-d8                | 8.696          | 98   | 605730     | 49.49  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 98.98% |        |          |
| 62) 4-Bromofluorobenzene      | 11.122         | 95   | 216508     | 46.22  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 92.44% |        |          |
|                               |                |      |            |        |        |          |
| Target Compounds              |                |      |            |        |        | Qvalue   |
| 5) Bromomethane               | 1.636          | 94   | 851        | 0.65   | ug/l   | 95       |
| 10) Methyl Iodide             | 2.489          | 142  | 1037       | 3.53   | ug/l # | 93       |
| 11) Tert butyl alcohol        | 2.995          | 59   | 2656       | 2.98   | ug/l # | 73       |
| 13) Acrolein                  | 2.276          | 56   | 233        | 0.42   | ug/l   | 90       |
| 16) Acetone                   | 2.416          | 43   | 1336       | 0.74   | ug/l # | 87       |
| 17) Carbon Disulfide          | 2.550          | 76   | 1797       | 0.20   | ug/l # | 88       |
| 31) Cyclohexane               | 5.623          | 56   | 6383       | 1.16   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.623          | 75   | 23117      | 4.71   | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.629          | 117  | 29248      | 6.26   | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 11.122         | 75   | 105579     | 21.44  | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.122         | 75   | 105579     | 63.61  | ug/l # | 12       |
| 94) Hexachlorobutadiene       | 13.762         | 225  | 265        | 2.78   | ug/l   | 86       |
| -----                         |                |      |            |        |        |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121920\  
Data File : VX020195.D  
Acq On : 20 Dec 2020 01:18  
Operator : JC/MD  
Sample : VX1219WBL02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1219WBL02

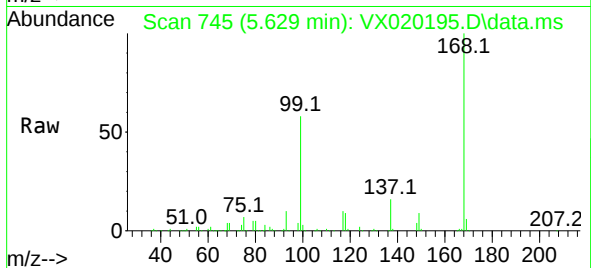
Quant Time: Dec 21 02:41:03 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 18 13:09:49 2020  
Response via : Initial Calibration



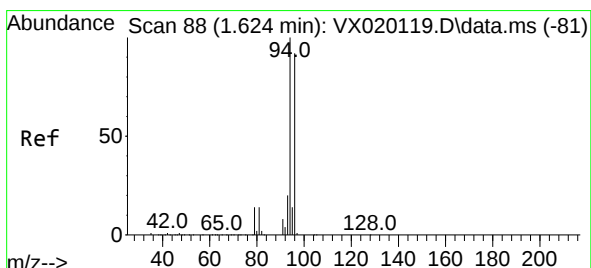
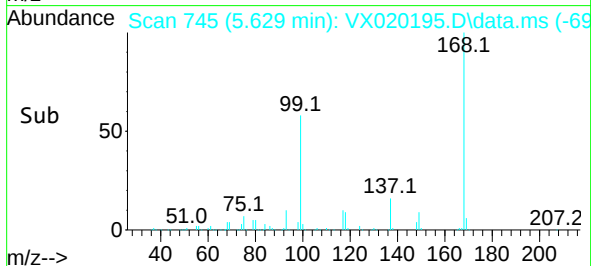
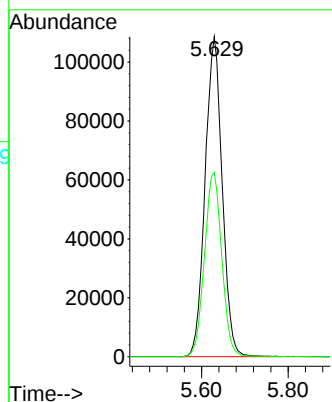


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.012 min  
Lab File: VX020195.D  
Acq: 20 Dec 2020 01:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1219WBL02

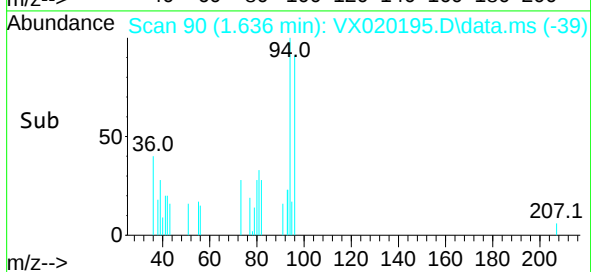
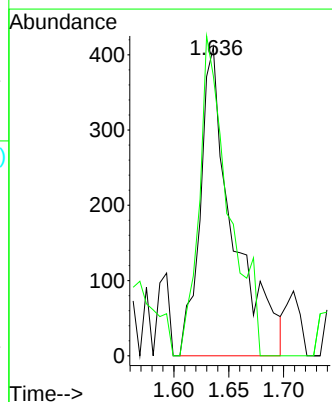
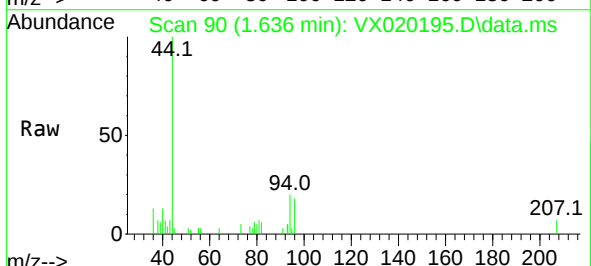


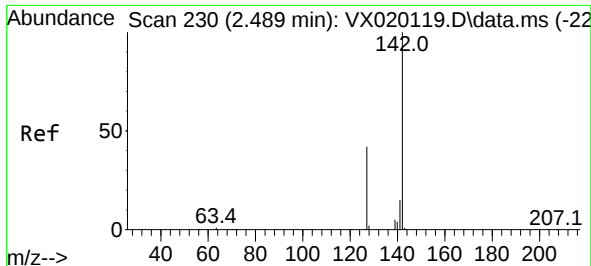
Tgt Ion:168 Resp: 297283  
Ion Ratio Lower Upper  
168 100  
99 57.5 45.8 68.6



#5  
Bromomethane  
Concen: 0.65 ug/l  
RT: 1.636 min Scan# 90  
Delta R.T. 0.012 min  
Lab File: VX020195.D  
Acq: 20 Dec 2020 01:18

Tgt Ion: 94 Resp: 851  
Ion Ratio Lower Upper  
94 100  
96 90.7 76.4 114.6

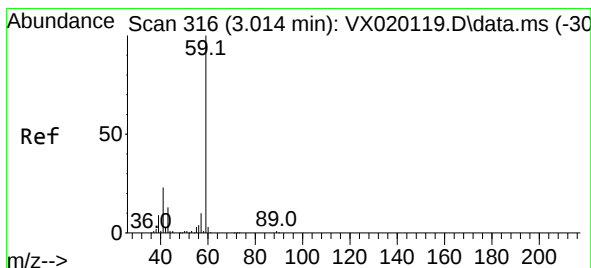
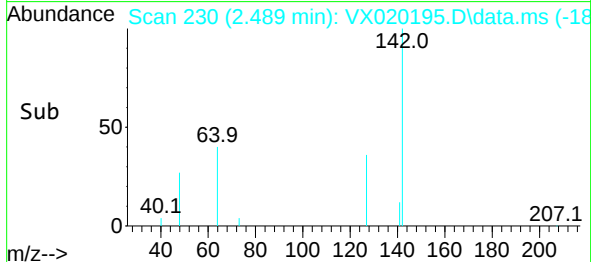
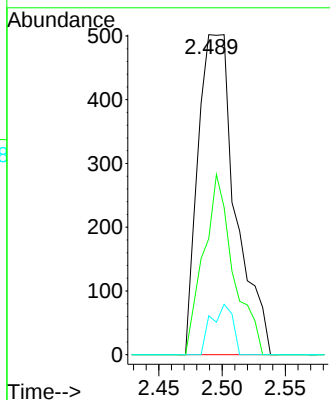
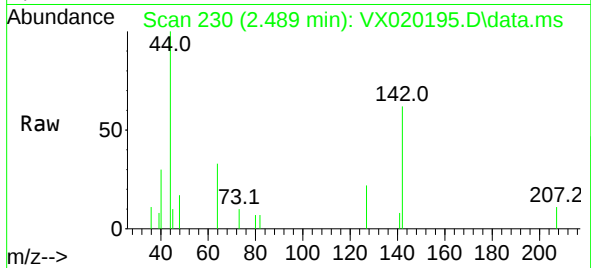




#10  
Methyl Iodide  
Concen: 3.53 ug/l  
RT: 2.489 min Scan# 230  
Delta R.T. 0.000 min  
Lab File: VX020195.D  
Acq: 20 Dec 2020 01:18

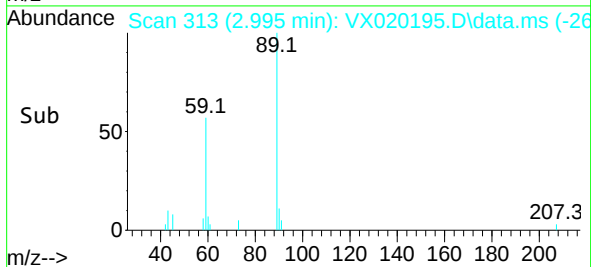
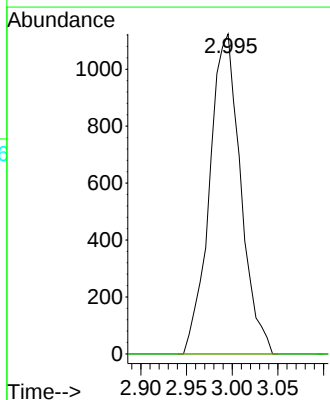
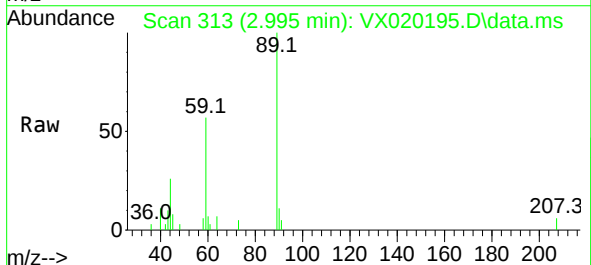
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1219WBL02

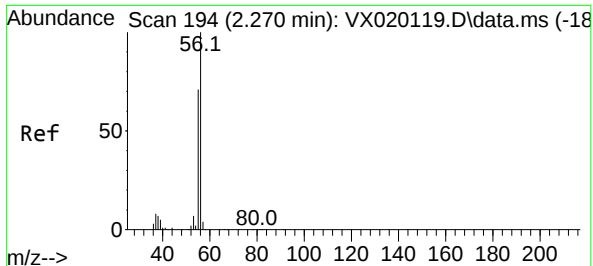
Tgt Ion:142 Resp: 1037  
Ion Ratio Lower Upper  
142 100  
127 44.7 33.3 49.9  
141 9.0 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 2.98 ug/l  
RT: 2.995 min Scan# 313  
Delta R.T. -0.019 min  
Lab File: VX020195.D  
Acq: 20 Dec 2020 01:18

Tgt Ion: 59 Resp: 2656  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

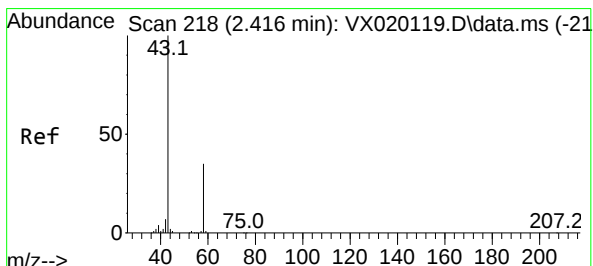
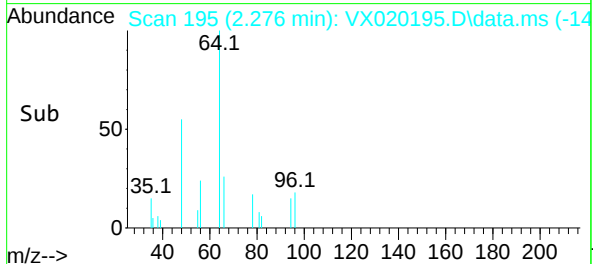
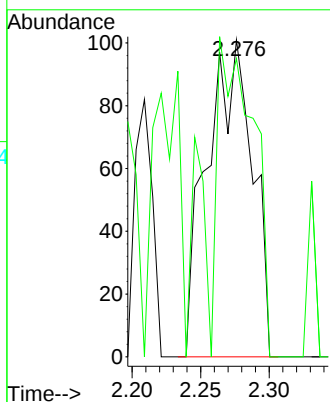
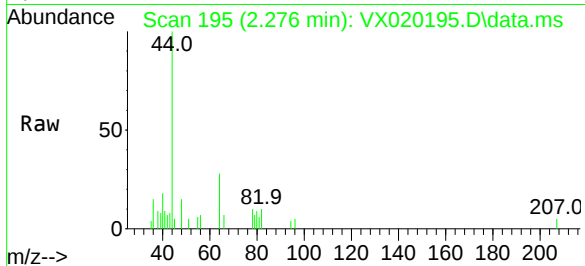




#13  
Acrolein  
Concen: 0.42 ug/l  
RT: 2.276 min Scan# 195  
Delta R.T. 0.006 min  
Lab File: VX020195.D  
Acq: 20 Dec 2020 01:18

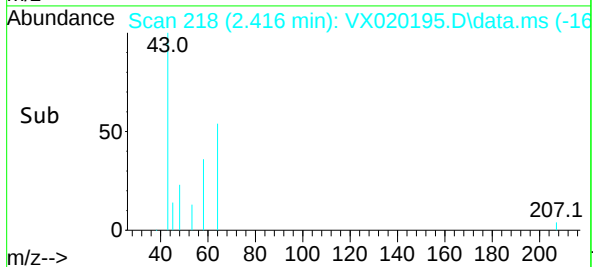
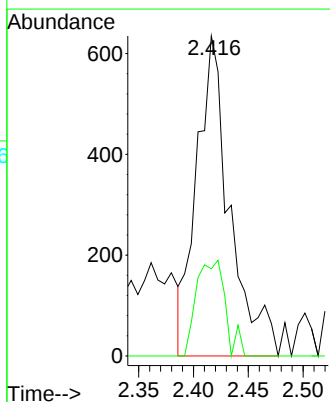
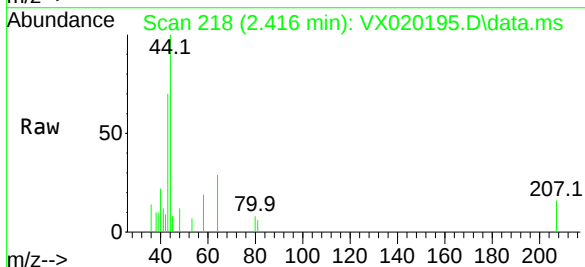
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1219WBL02

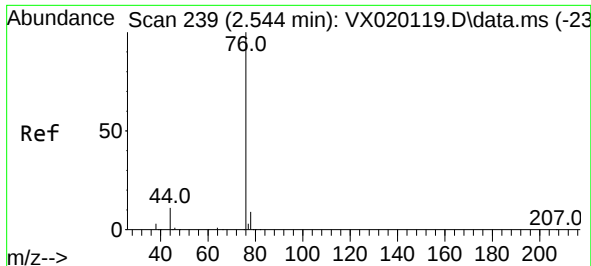
Tgt Ion: 56 Resp: 233  
Ion Ratio Lower Upper  
56 100  
55 79.0 56.4 84.6



#16  
Acetone  
Concen: 0.74 ug/l  
RT: 2.416 min Scan# 218  
Delta R.T. 0.000 min  
Lab File: VX020195.D  
Acq: 20 Dec 2020 01:18

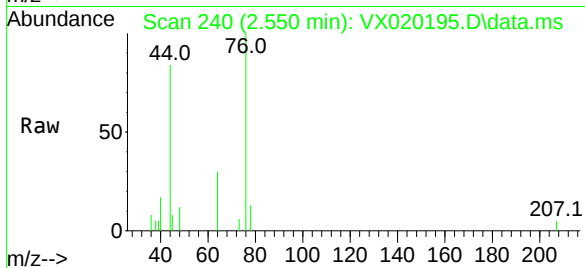
Tgt Ion: 43 Resp: 1336  
Ion Ratio Lower Upper  
43 100  
58 27.2 27.8 41.8#



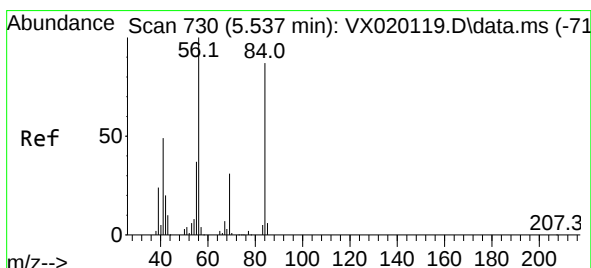
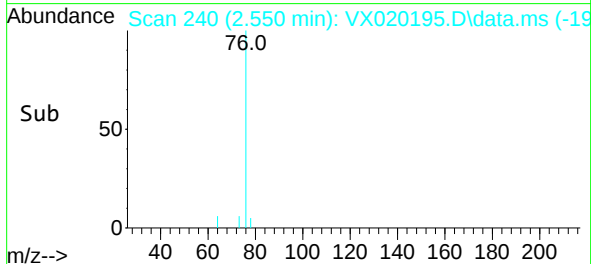
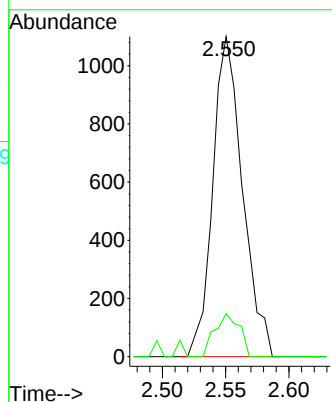


#17  
Carbon Disulfide  
Concen: 0.20 ug/l  
RT: 2.550 min Scan# 240  
Delta R.T. 0.006 min  
Lab File: VX020195.D  
Acq: 20 Dec 2020 01:18

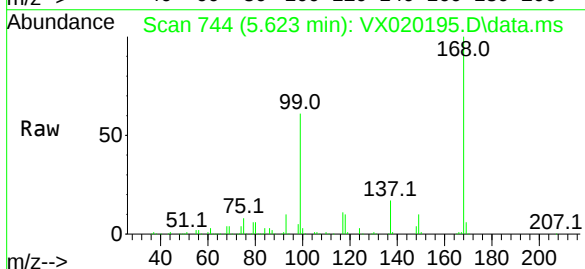
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1219WBL02



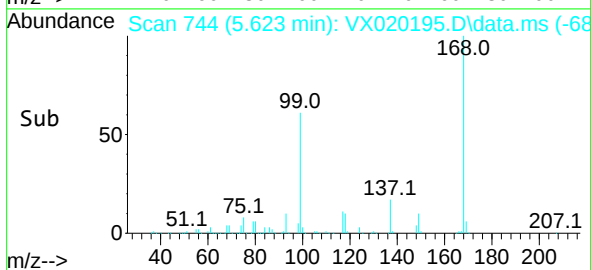
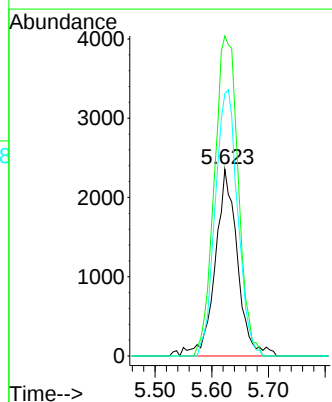
Tgt Ion: 76 Resp: 1797  
Ion Ratio Lower Upper  
76 100  
78 13.5 7.2 10.8#

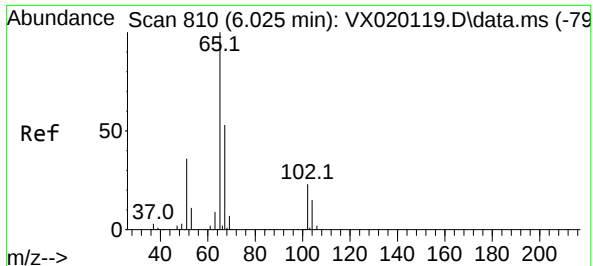


#31  
Cyclohexane  
Concen: 1.16 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. 0.086 min  
Lab File: VX020195.D  
Acq: 20 Dec 2020 01:18



Tgt Ion: 56 Resp: 6383  
Ion Ratio Lower Upper  
56 100  
69 171.3 25.3 37.9#  
84 140.5 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.04 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX020195.D

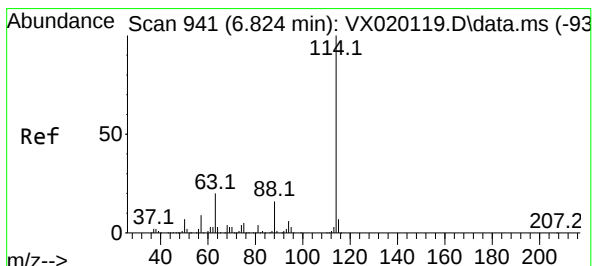
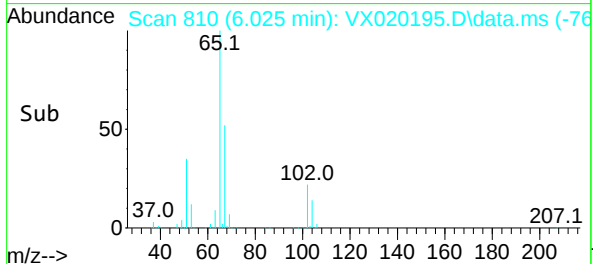
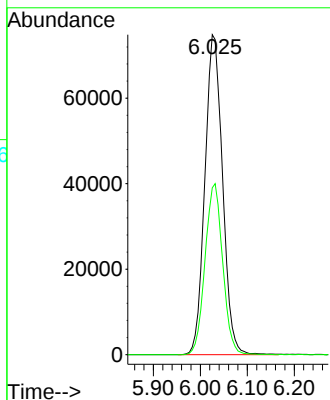
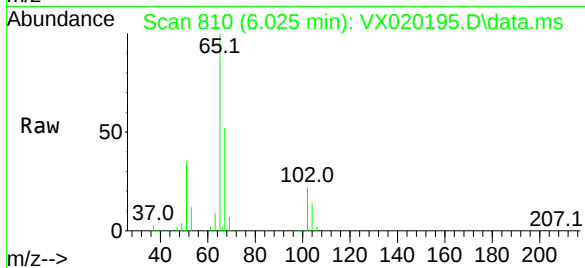
Acq: 20 Dec 2020 01:18

Tgt Ion: 65 Resp: 195421

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.006 min

Lab File: VX020195.D

Acq: 20 Dec 2020 01:18

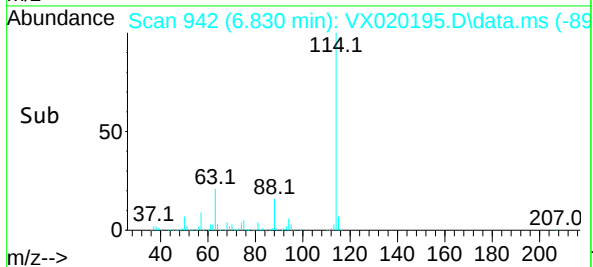
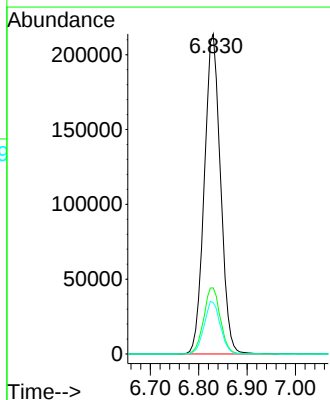
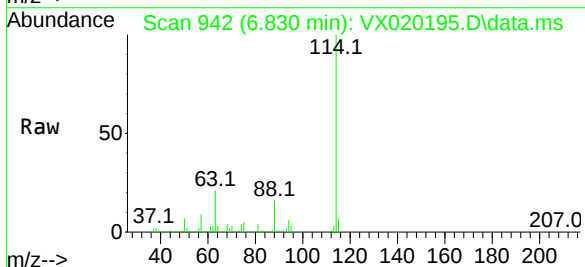
Tgt Ion: 114 Resp: 497047

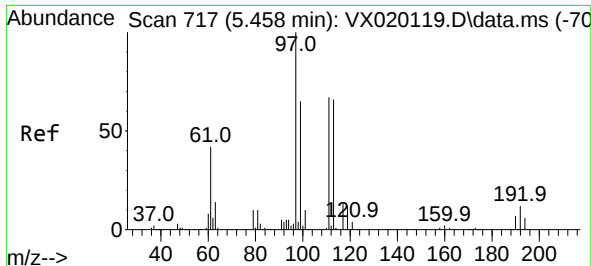
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 16.0 0.0 32.8

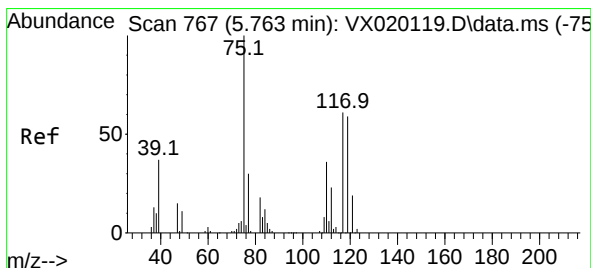
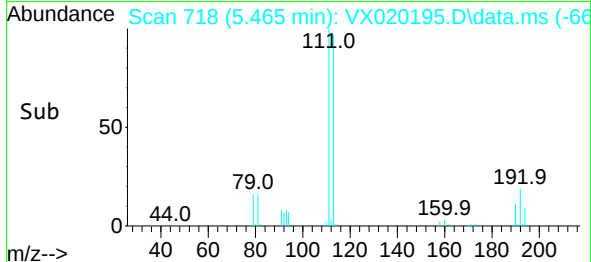
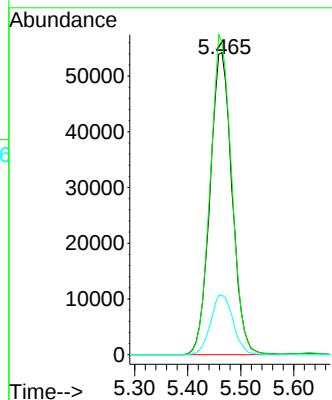
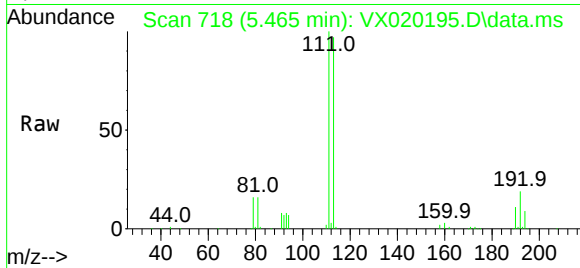




#35  
Dibromofluoromethane  
Concen: 49.14 ug/l  
RT: 5.465 min Scan# 718  
Delta R.T. 0.006 min  
Lab File: VX020195.D  
Acq: 20 Dec 2020 01:18

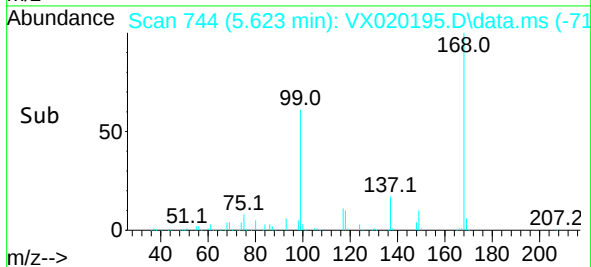
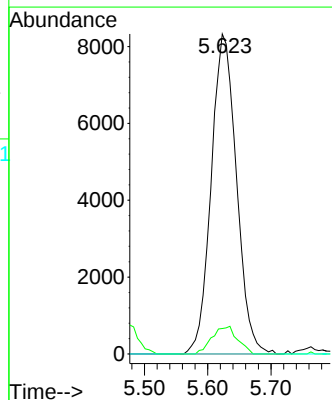
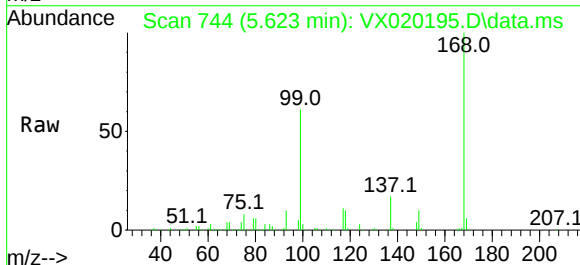
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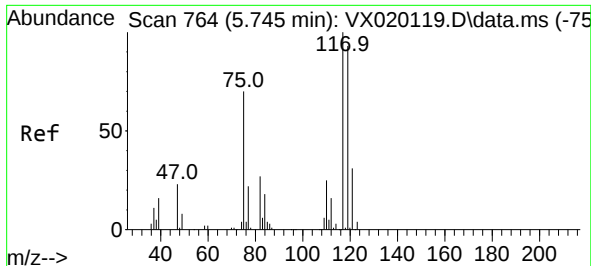
Tgt Ion:113 Resp: 156250  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.9 122.9  
192 20.2 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 4.71 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. -0.140 min  
Lab File: VX020195.D  
Acq: 20 Dec 2020 01:18

Tgt Ion: 75 Resp: 23117  
Ion Ratio Lower Upper  
75 100  
110 8.7 18.1 54.4#  
77 0.0 25.3 37.9#

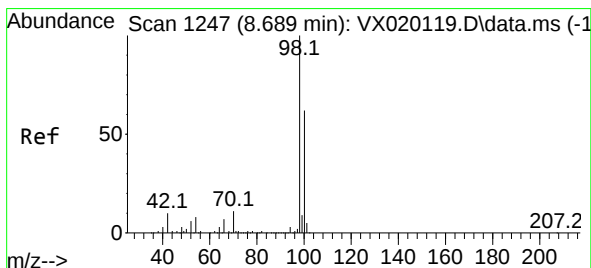
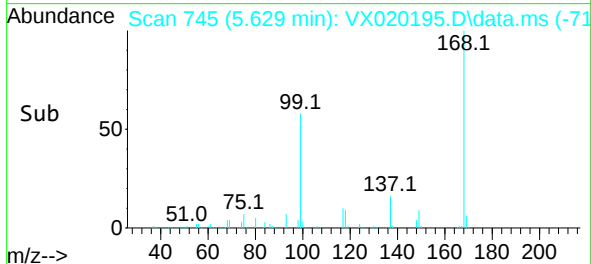
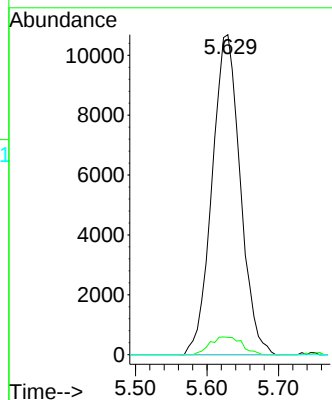
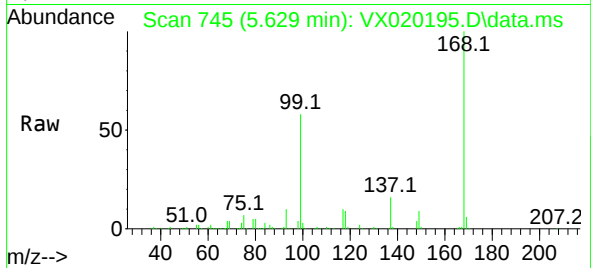




#38  
Carbon Tetrachloride  
Concen: 6.26 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. -0.116 min  
Lab File: VX020195.D  
Acq: 20 Dec 2020 01:18

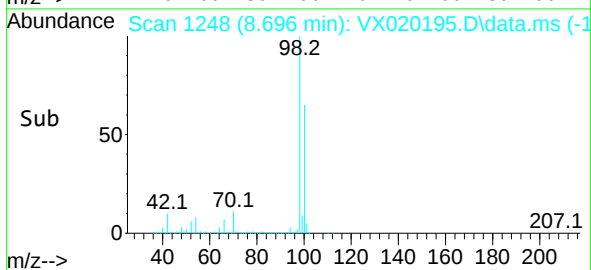
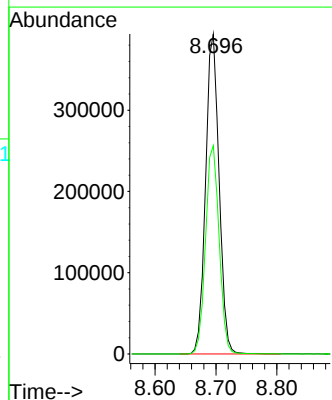
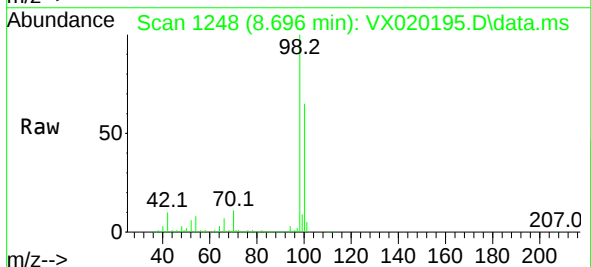
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1219WBL02

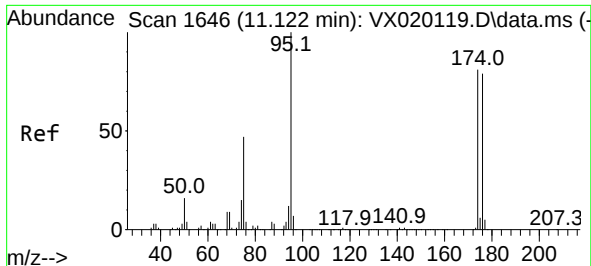
Tgt Ion:117 Resp: 29248  
Ion Ratio Lower Upper  
117 100  
119 5.4 76.2 114.2#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 49.49 ug/l  
RT: 8.696 min Scan# 1248  
Delta R.T. 0.007 min  
Lab File: VX020195.D  
Acq: 20 Dec 2020 01:18

Tgt Ion: 98 Resp: 605730  
Ion Ratio Lower Upper  
98 100  
100 65.7 51.9 77.9

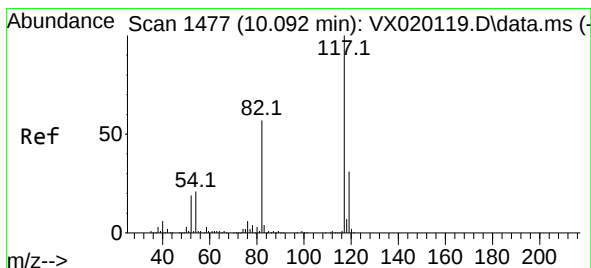
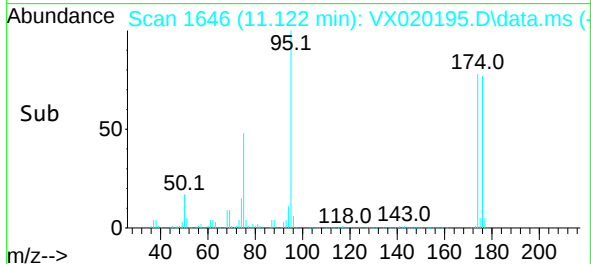
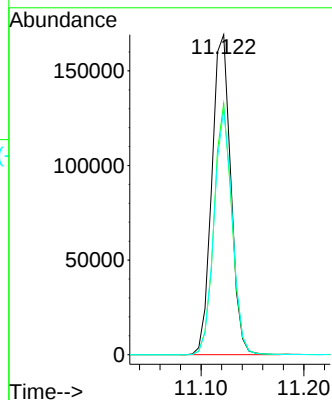
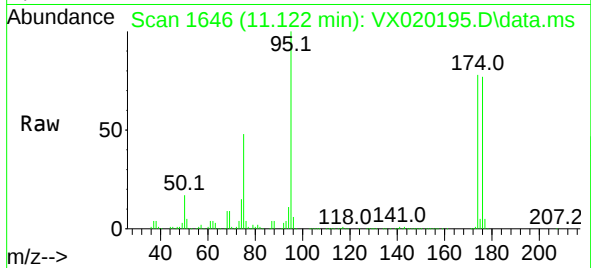




#62  
4-Bromofluorobenzene  
Concen: 46.22 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. 0.000 min  
Lab File: VX020195.D  
Acq: 20 Dec 2020 01:18

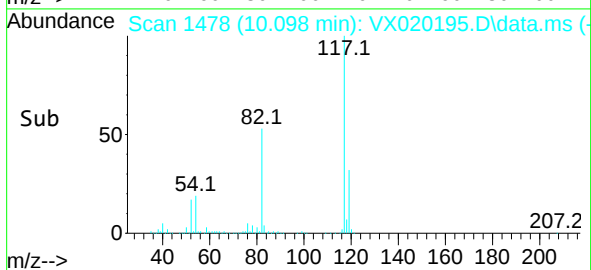
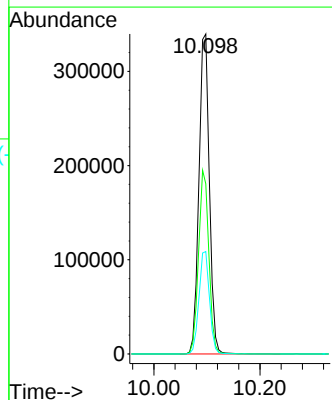
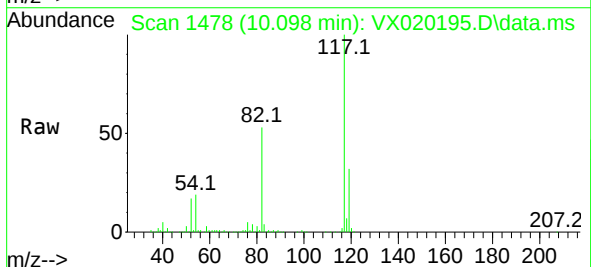
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1219WBL02

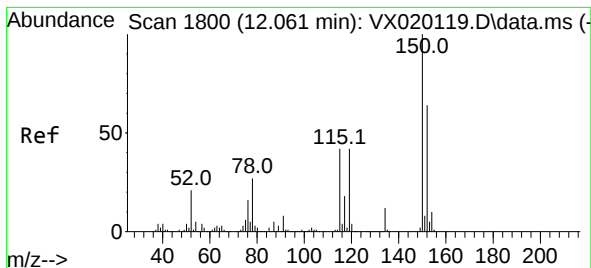
Tgt Ion: 95 Resp: 216508  
Ion Ratio Lower Upper  
95 100  
174 74.2 0.0 154.6  
176 74.0 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.098 min Scan# 1478  
Delta R.T. 0.006 min  
Lab File: VX020195.D  
Acq: 20 Dec 2020 01:18

Tgt Ion: 117 Resp: 465266  
Ion Ratio Lower Upper  
117 100  
82 53.1 47.4 71.2  
119 32.0 26.6 39.8

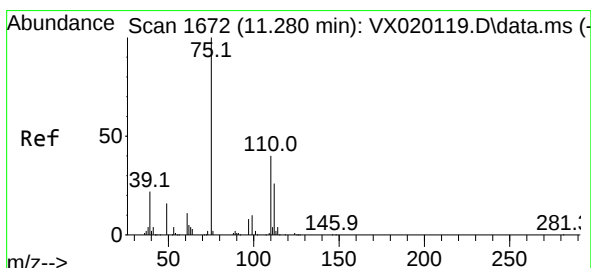
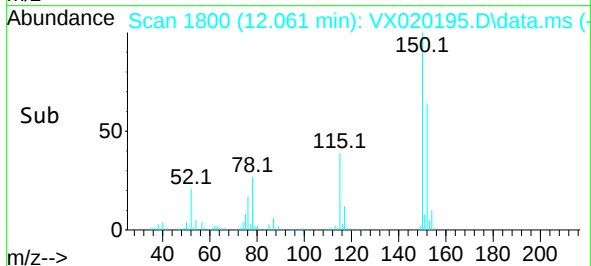
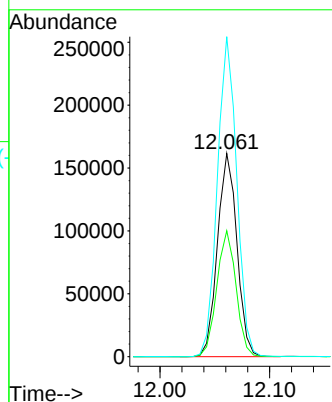
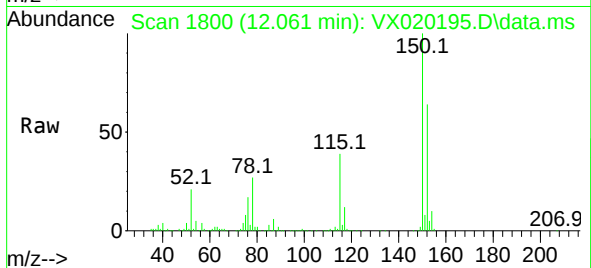




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.061 min Scan# 1800  
 Delta R.T. -0.000 min  
 Lab File: VX020195.D  
 Acq: 20 Dec 2020 01:18

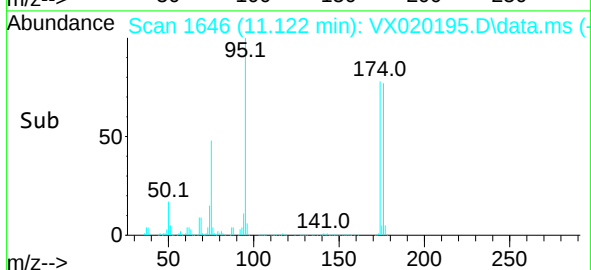
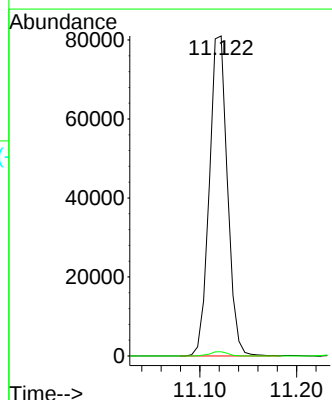
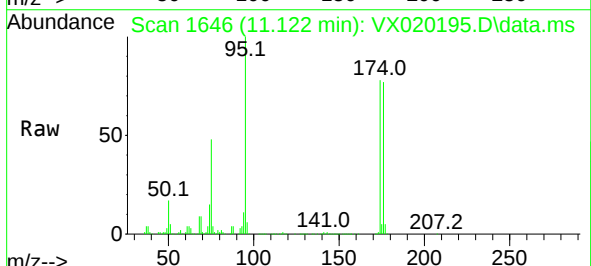
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1219WBL02

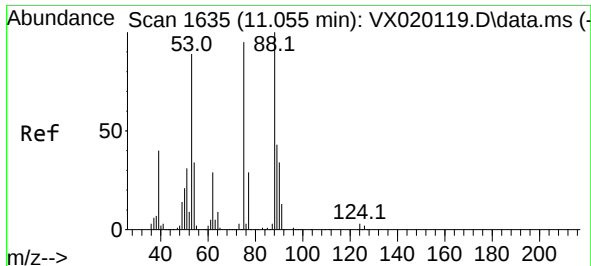
Tgt Ion:152 Resp: 199903  
 Ion Ratio Lower Upper  
 152 100  
 115 61.3 41.1 123.3  
 150 156.7 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 21.44 ug/l  
 RT: 11.122 min Scan# 1646  
 Delta R.T. -0.158 min  
 Lab File: VX020195.D  
 Acq: 20 Dec 2020 01:18

Tgt Ion: 75 Resp: 105579  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 19.1 57.5#

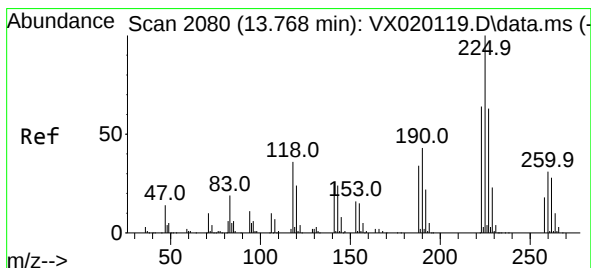
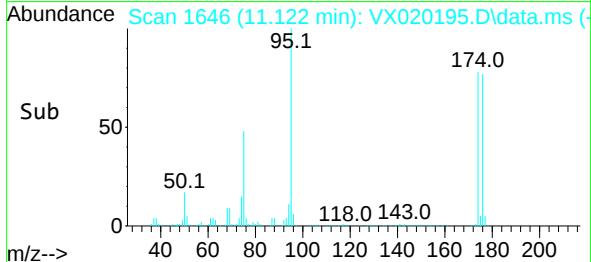
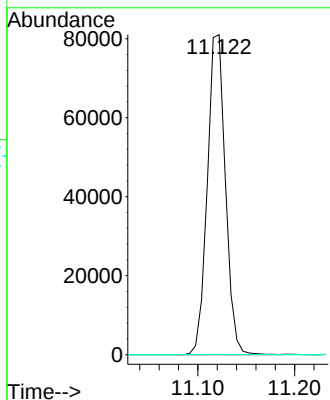
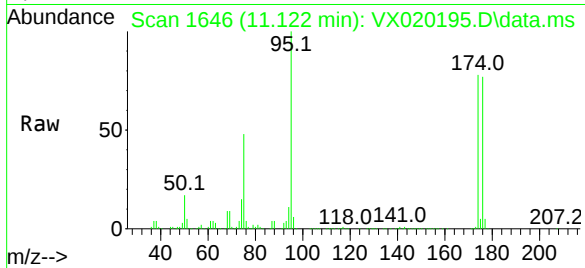




#81  
trans-1,4-Dichloro-2-butene  
Concen: 63.61 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. 0.067 min  
Lab File: VX020195.D  
Acq: 20 Dec 2020 01:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1219WBL02

Tgt Ion: 75 Resp: 105579  
Ion Ratio Lower Upper  
75 100  
53 0.1 74.5 111.7#  
89 0.0 37.9 56.9#



#94  
Hexachlorobutadiene  
Concen: 2.78 ug/l  
RT: 13.762 min Scan# 2079  
Delta R.T. -0.006 min  
Lab File: VX020195.D  
Acq: 20 Dec 2020 01:18

Tgt Ion: 225 Resp: 265  
Ion Ratio Lower Upper  
225 100  
223 51.3 31.1 93.2  
227 73.6 31.6 95.0

