

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062921\  
 Data File : VX023014.D  
 Acq On : 29 Jun 2021 19:27  
 Operator : JC/MD  
 Sample : M2889-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 30 01:46:04 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 19:12:26 2021  
 Response via : Initial Calibration

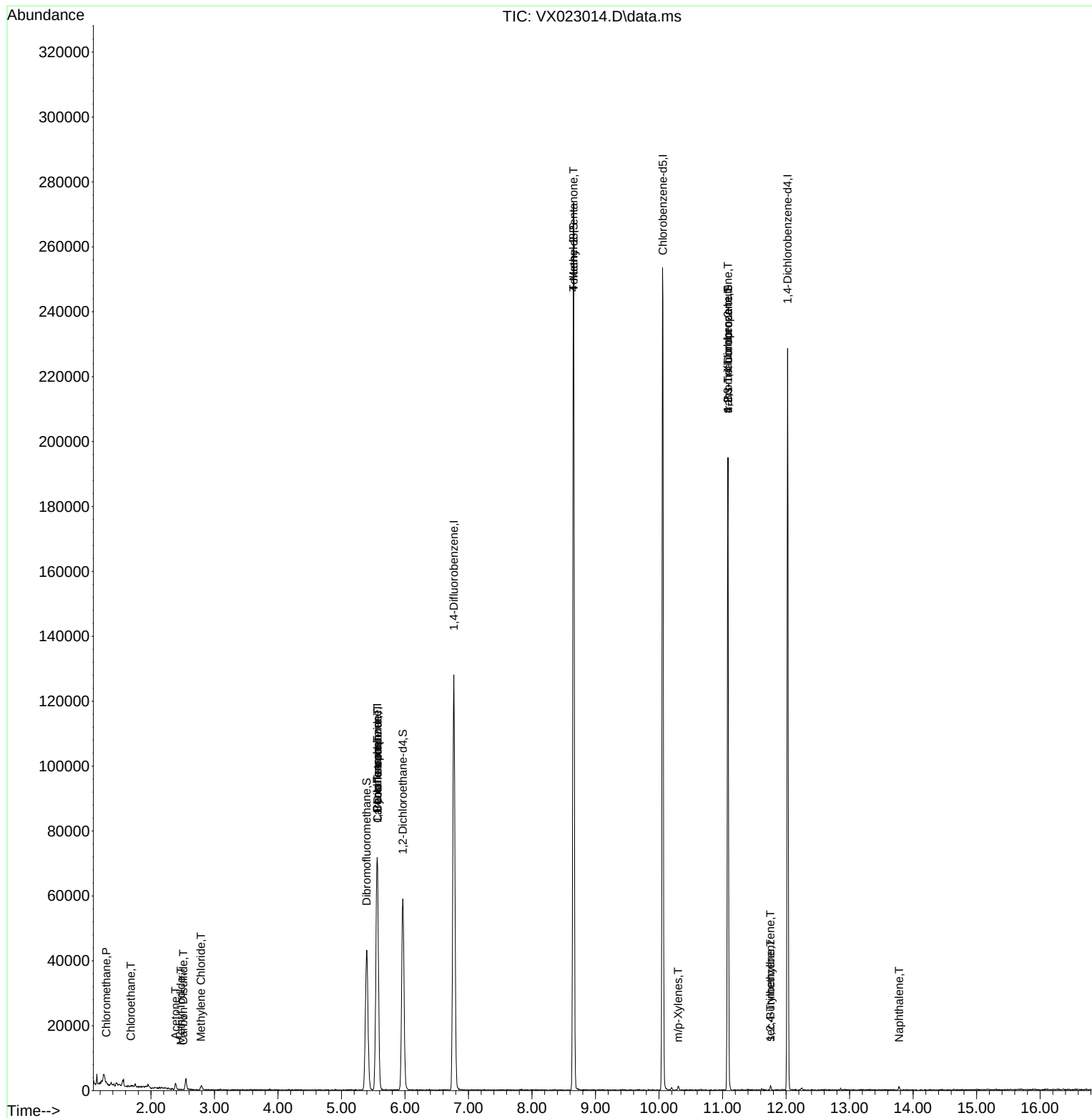
| Compound                      | R.T.           | QIon | Response            | Conc   | Units | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|-------|----------|
| -----                         |                |      |                     |        |       |          |
| Internal Standards            |                |      |                     |        |       |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 56645               | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 119062              | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.061         | 117  | 103182              | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 39004               | 50.000 | ug/l  | 0.00     |
| System Monitoring Compounds   |                |      |                     |        |       |          |
| 33) 1,2-Dichloroethane-d4     | 5.964          | 65   | 54340               | 52.861 | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 105.720% |        |       |          |
| 35) Dibromofluoromethane      | 5.397          | 113  | 37226               | 49.236 | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 98.480%  |        |       |          |
| 50) Toluene-d8                | 8.653          | 98   | 147283              | 49.704 | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 99.400%  |        |       |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 50556               | 45.715 | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 91.440%  |        |       |          |
| Target Compounds              |                |      |                     |        |       |          |
|                               |                |      |                     |        |       | Qvalue   |
| 3) Chloromethane              | 1.295          | 50   | 234                 | 0.267  | ug/l  | # 42     |
| 6) Chloroethane               | 1.685          | 64   | 173                 | 0.346  | ug/l  | # 43     |
| 10) Methyl Iodide             | 2.471          | 142  | 21                  | 3.901  | ug/l  | # 42     |
| 16) Acetone                   | 2.386          | 43   | 1959                | 4.299  | ug/l  | 93       |
| 17) Carbon Disulfide          | 2.508          | 76   | 74                  | 3.550  | ug/l  | # 75     |
| 20) Methylene Chloride        | 2.788          | 84   | 565                 | 0.993  | ug/l  | # 71     |
| 31) Cyclohexane               | 5.562          | 56   | 1928                | 1.328  | ug/l  | # 38     |
| 36) 1,1-Dichloropropene       | 5.568          | 75   | 6517                | 5.153  | ug/l  | # 48     |
| 38) Carbon Tetrachloride      | 5.568          | 117  | 6888                | 6.494  | ug/l  | # 16     |
| 51) 4-Methyl-2-Pentanone      | 8.653          | 43   | 899                 | 0.613  | ug/l  | # 1      |
| 68) m/p-Xylenes               | 10.299         | 106  | 389                 | 0.262  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 28570               | 27.731 | ug/l  | # 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 28570               | 71.660 | ug/l  | # 12     |
| 84) 1,2,4-Trimethylbenzene    | 11.756         | 105  | 841                 | 0.308  | ug/l  | 95       |
| 85) sec-Butylbenzene          | 11.756         | 105  | 841                 | 0.244  | ug/l  | # 57     |
| 95) Naphthalene               | 13.780         | 128  | 964                 | 2.214  | ug/l  | # 81     |
| -----                         |                |      |                     |        |       |          |

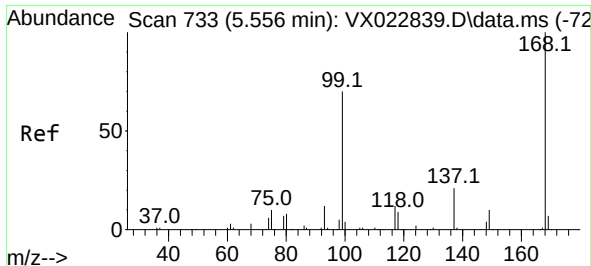
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062921\  
Data File : VX023014.D  
Acq On : 29 Jun 2021 19:27  
Operator : JC/MD  
Sample : M2889-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jun 30 01:46:04 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 23 19:12:26 2021  
Response via : Initial Calibration

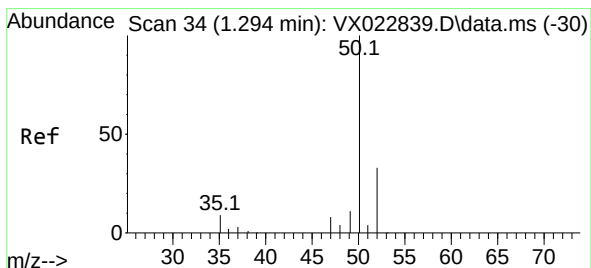
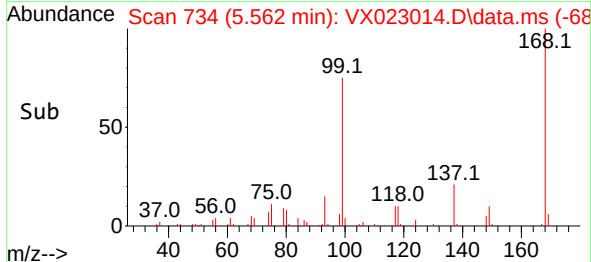
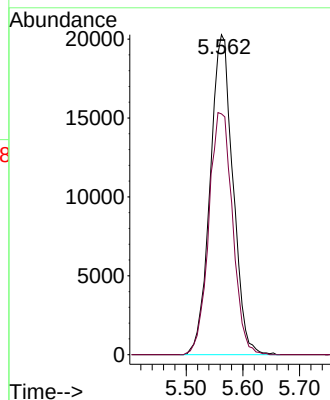
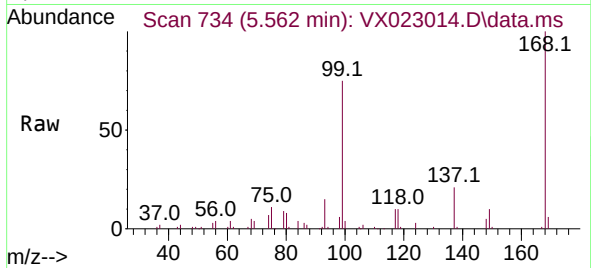




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.006 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

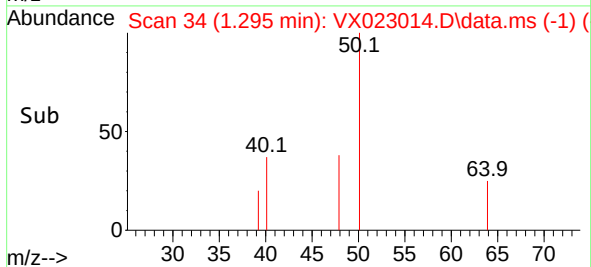
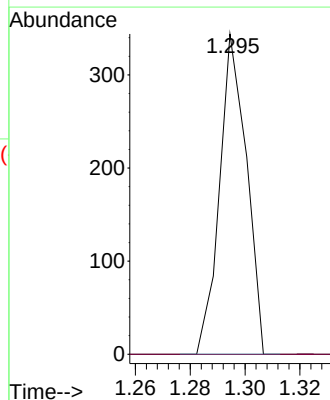
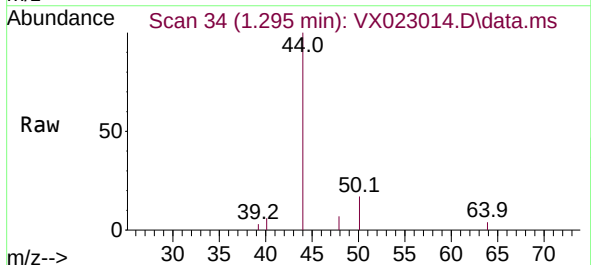
Instrument :  
MSVOA\_X  
ClientSampled :

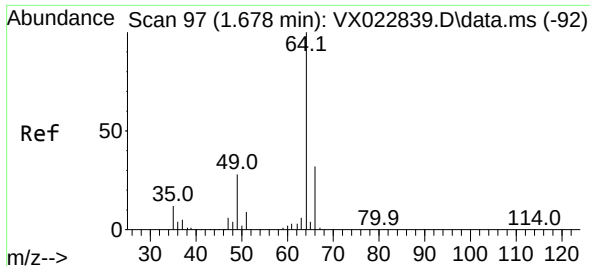
Tgt Ion:168 Resp: 56645  
Ion Ratio Lower Upper  
168 100  
99 75.3 45.8 68.6#



#3  
Chloromethane  
Concen: 0.267 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

Tgt Ion: 50 Resp: 234  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.4 39.6#

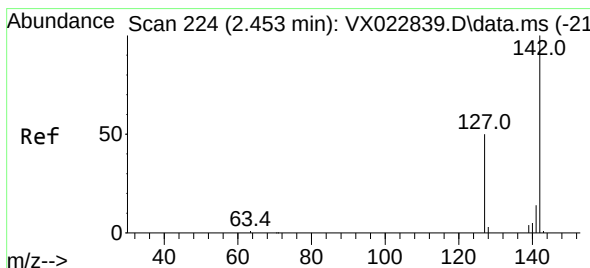
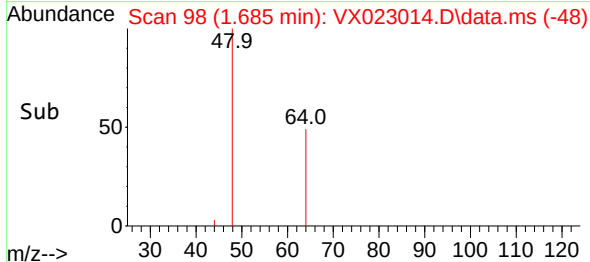
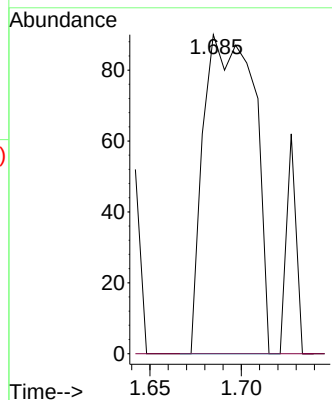
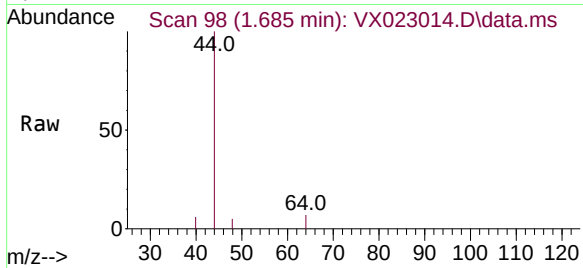




#6  
Chloroethane  
Concen: 0.346 ug/l  
RT: 1.685 min Scan# 98  
Delta R.T. 0.007 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

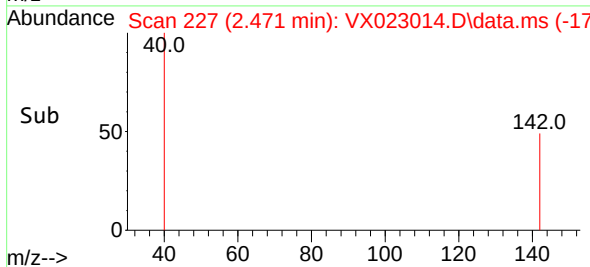
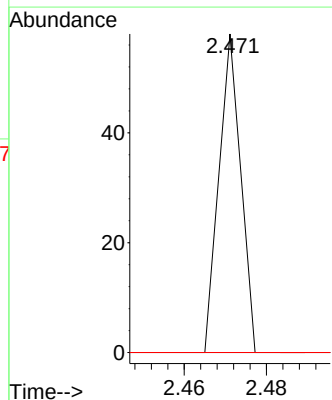
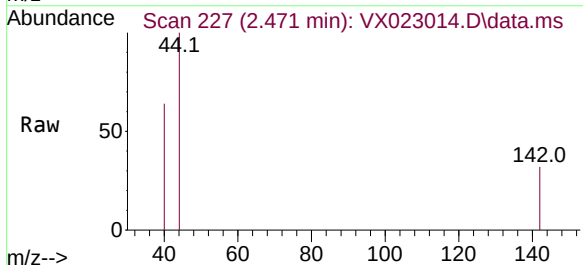
Instrument :  
MSVOA\_X  
ClientSampled :

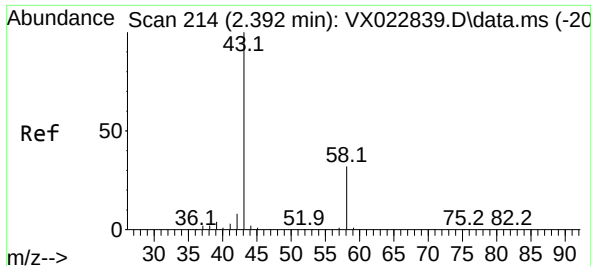
Tgt Ion: 64 Resp: 173  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#



#10  
Methyl Iodide  
Concen: 3.901 ug/l  
RT: 2.471 min Scan# 227  
Delta R.T. 0.018 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

Tgt Ion: 142 Resp: 21  
Ion Ratio Lower Upper  
142 100  
127 0.0 33.3 49.9#  
141 0.0 11.4 17.0#

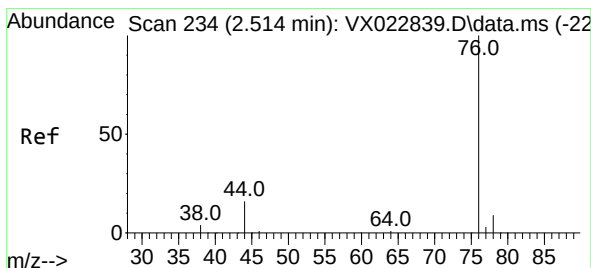
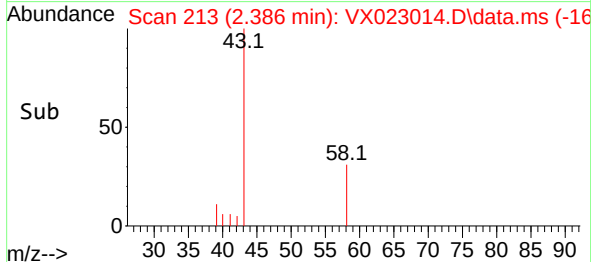
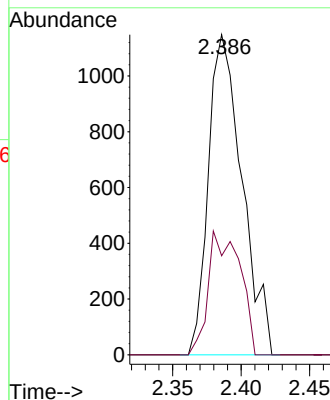
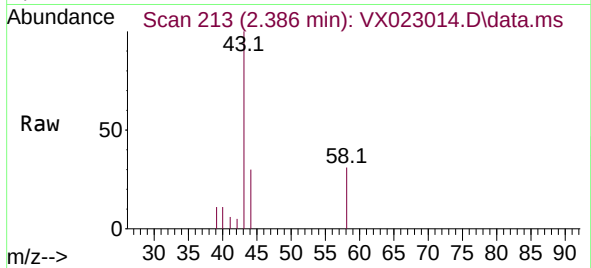




#16  
Acetone  
Concen: 4.299 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

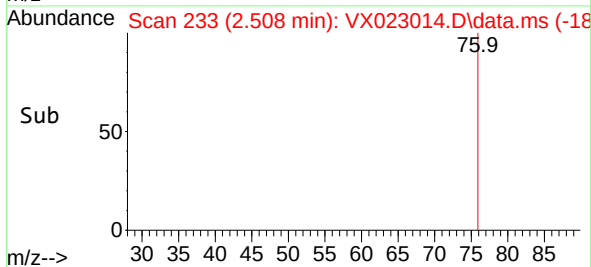
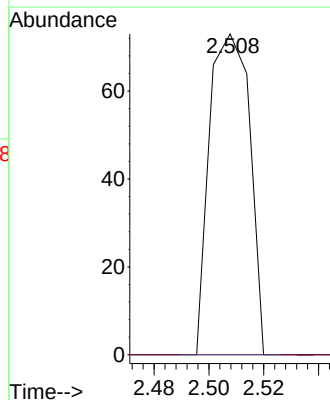
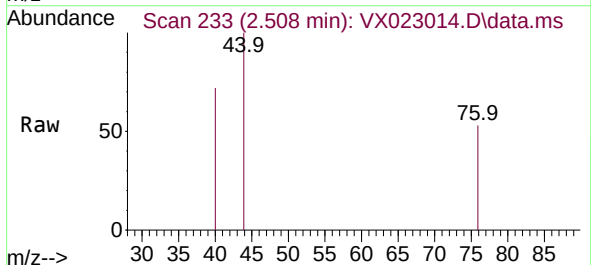
Instrument :  
MSVOA\_X  
ClientSampleId :

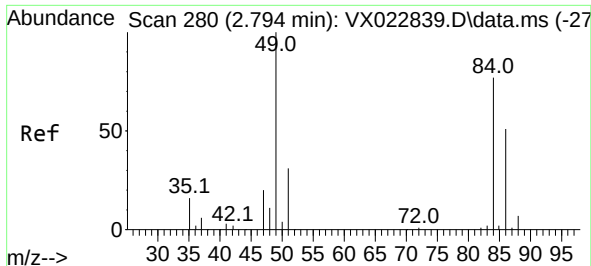
Tgt Ion: 43 Resp: 1959  
Ion Ratio Lower Upper  
43 100  
58 30.9 27.8 41.8



#17  
Carbon Disulfide  
Concen: 3.550 ug/l  
RT: 2.508 min Scan# 233  
Delta R.T. -0.006 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

Tgt Ion: 76 Resp: 74  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.993 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX023014.D

Acq: 29 Jun 2021 19:27

Tgt Ion: 84 Resp: 565

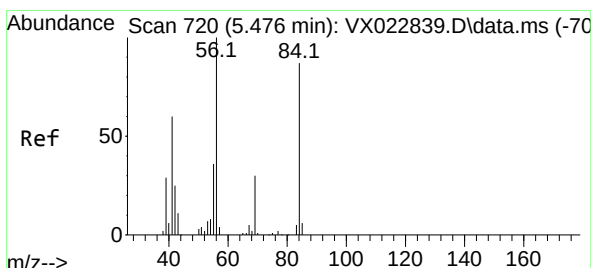
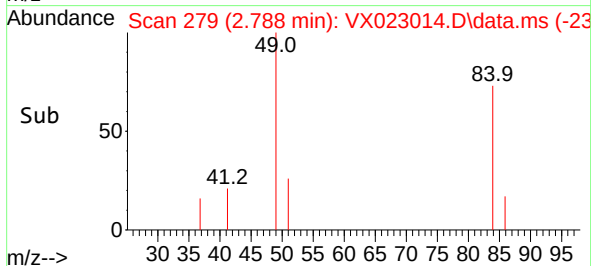
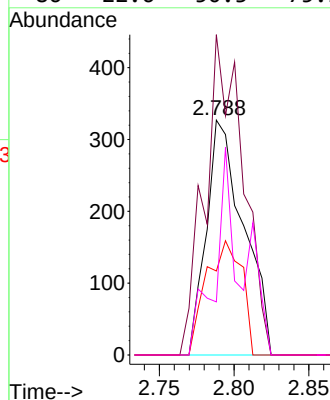
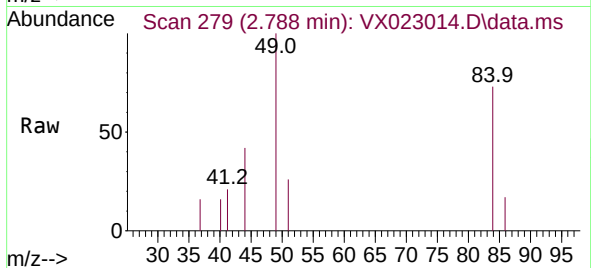
Ion Ratio Lower Upper

84 100

49 136.4 88.6 132.8#

51 35.8 27.0 40.6

86 22.6 50.3 75.5#



#31

Cyclohexane

Concen: 1.328 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.086 min

Lab File: VX023014.D

Acq: 29 Jun 2021 19:27

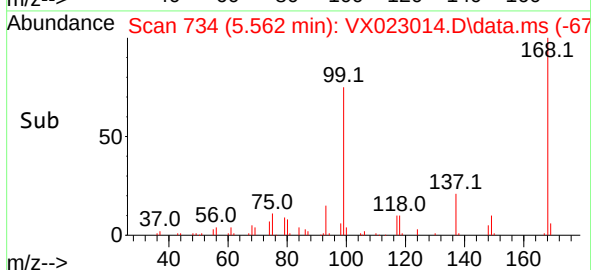
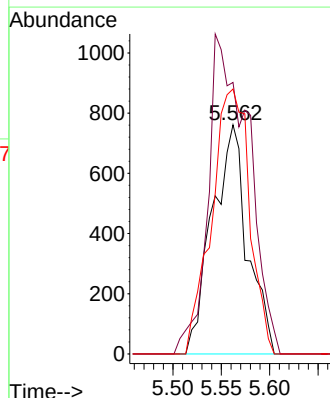
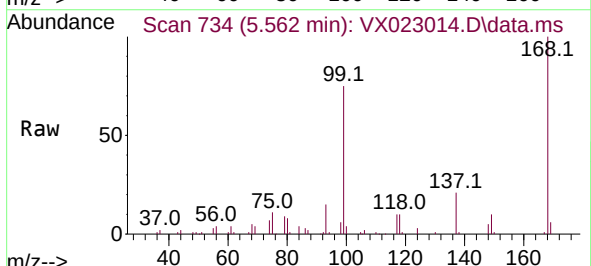
Tgt Ion: 56 Resp: 1928

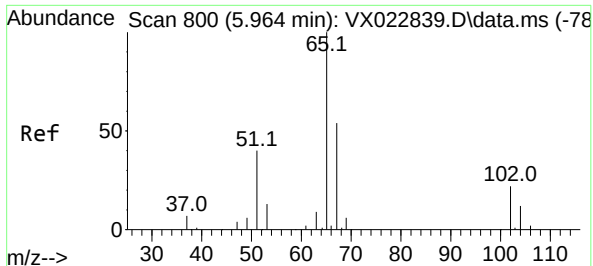
Ion Ratio Lower Upper

56 100

69 118.5 25.3 37.9#

84 115.6 71.4 107.0#



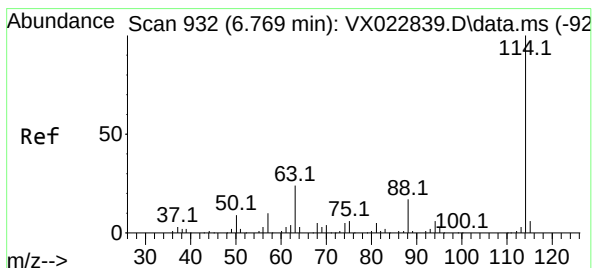
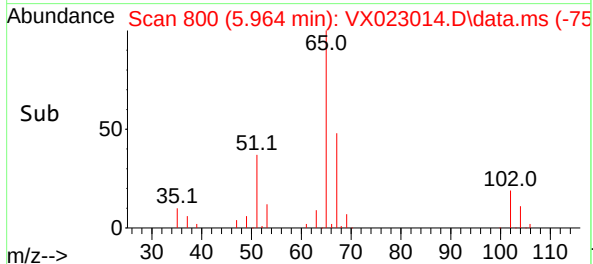
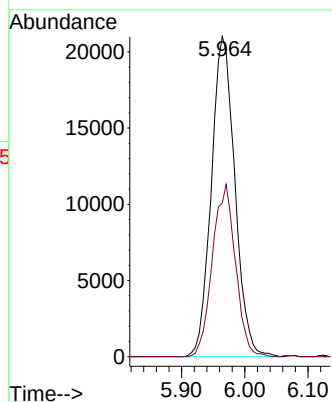
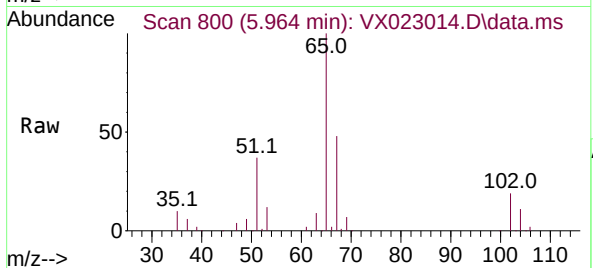


#33

1,2-Dichloroethane-d4  
Concen: 52.861 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

Instrument :  
MSVOA\_X  
ClientSampled :

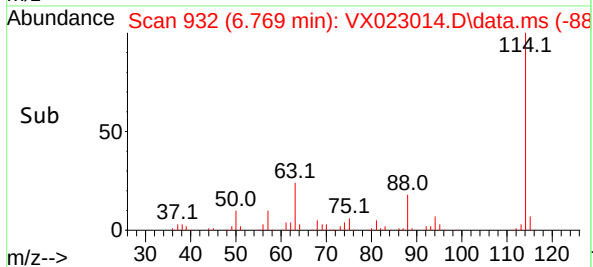
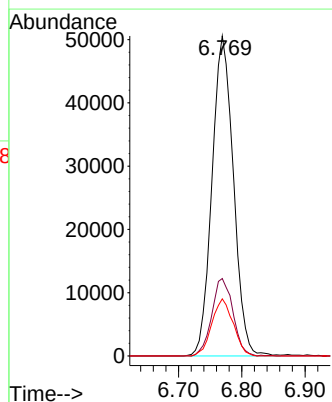
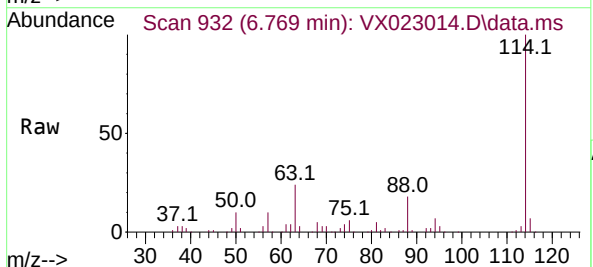
Tgt Ion: 65 Resp: 54340  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 105.4

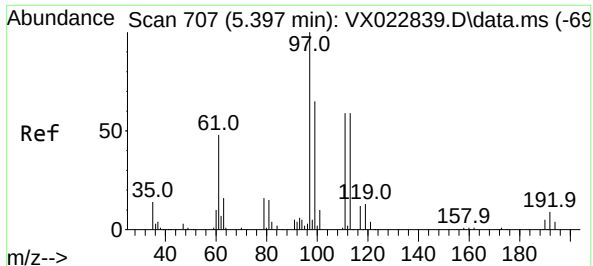


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

Tgt Ion: 114 Resp: 119062  
Ion Ratio Lower Upper  
114 100  
63 24.2 0.0 40.8  
88 17.9 0.0 32.8

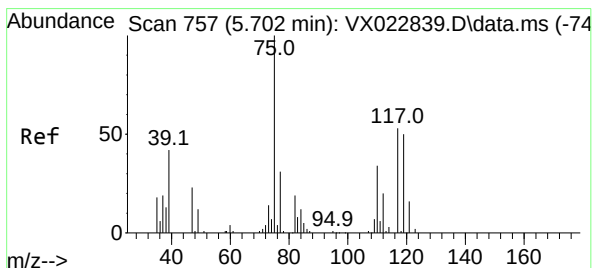
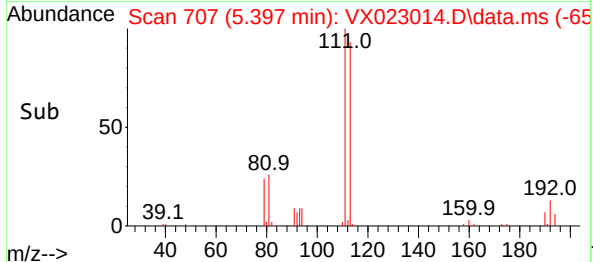
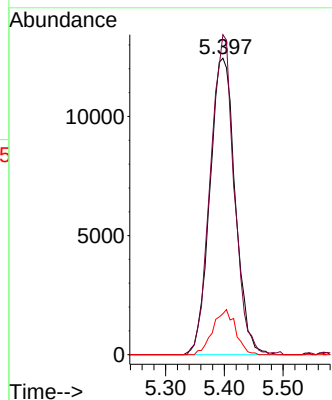
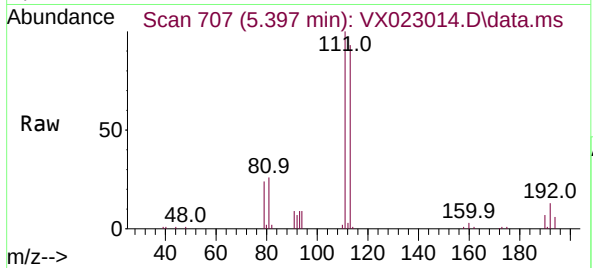




#35  
Dibromofluoromethane  
Concen: 49.236 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

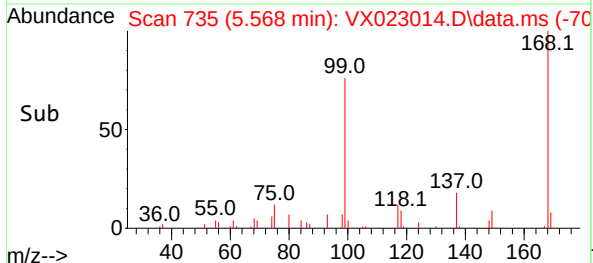
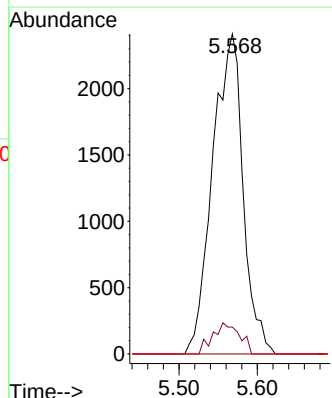
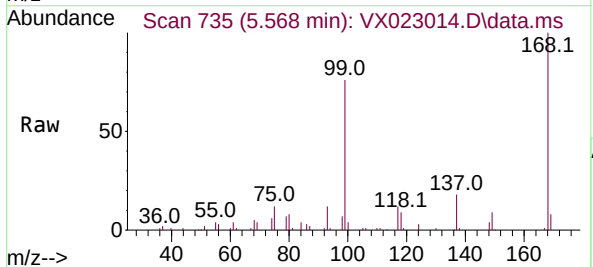
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion:113 Resp: 37226  
Ion Ratio Lower Upper  
113 100  
111 101.5 81.9 122.9  
192 13.7 16.7 25.1#

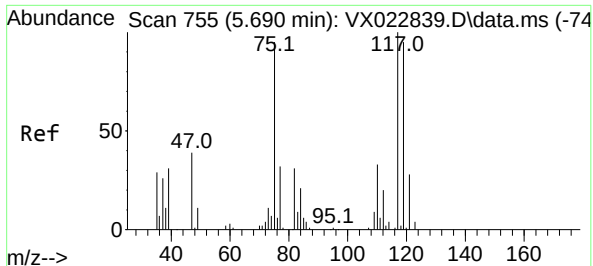


#36  
1,1-Dichloropropene  
Concen: 5.153 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. -0.134 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

Tgt Ion: 75 Resp: 6517  
Ion Ratio Lower Upper  
75 100  
110 8.6 18.1 54.4#  
77 0.0 25.3 37.9#

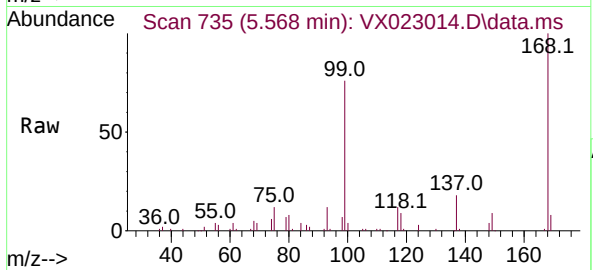




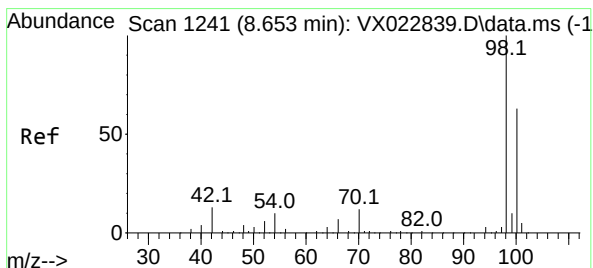
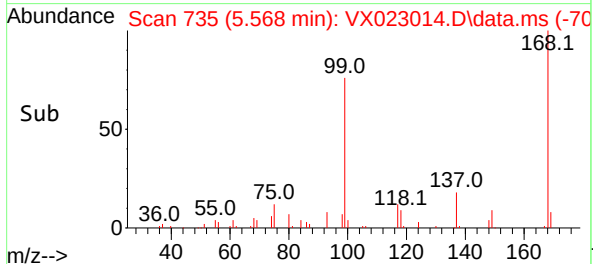
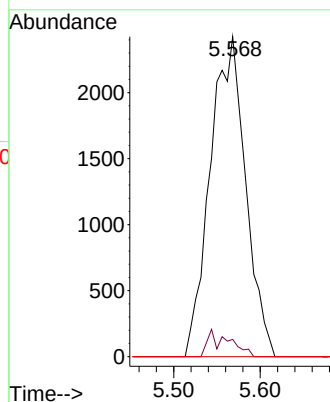


#38  
Carbon Tetrachloride  
Concen: 6.494 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. -0.122 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

Instrument :  
MSVOA\_X  
ClientSampleId :

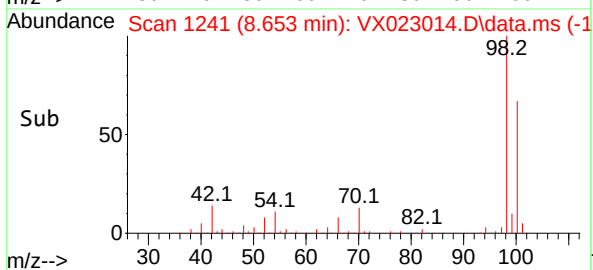
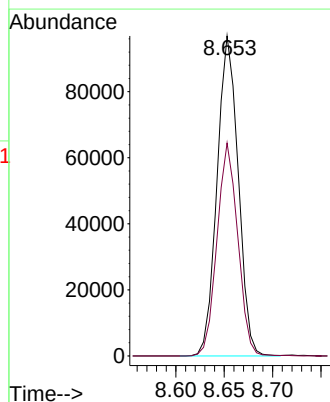
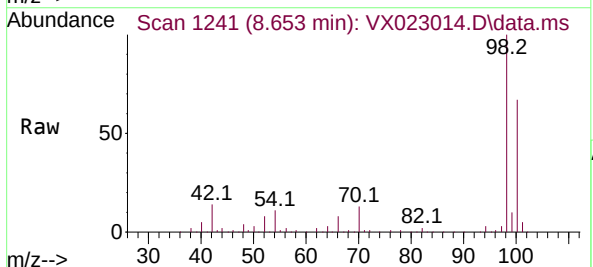


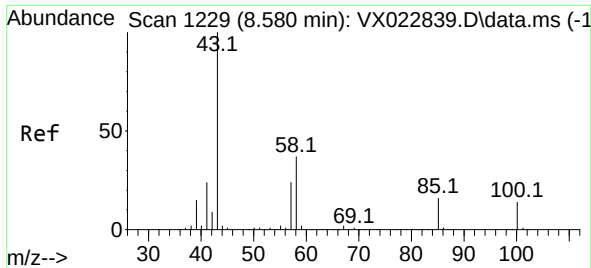
Tgt Ion:117 Resp: 6888  
Ion Ratio Lower Upper  
117 100  
119 5.4 76.2 114.2#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 49.704 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

Tgt Ion: 98 Resp: 147283  
Ion Ratio Lower Upper  
98 100  
100 65.2 51.9 77.9

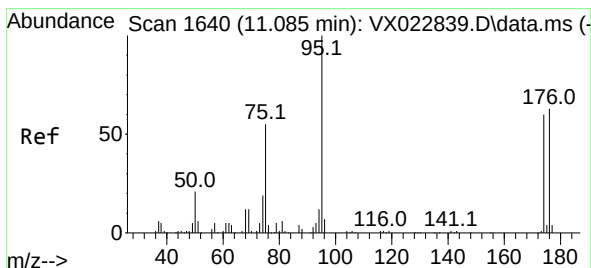
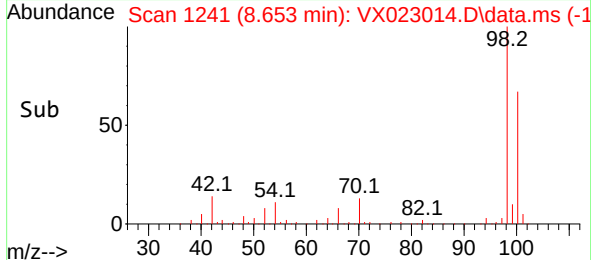
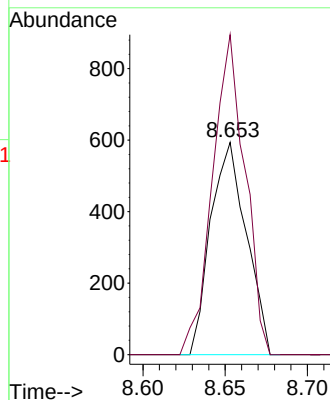
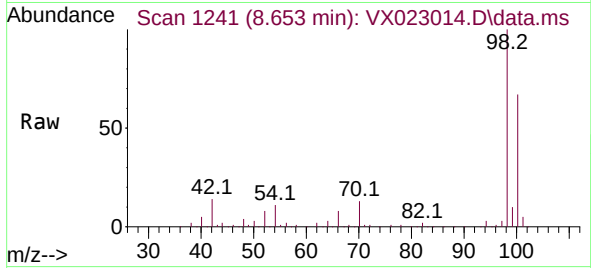




#51  
4-Methyl-2-Pentanone  
Concen: 0.613 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.073 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

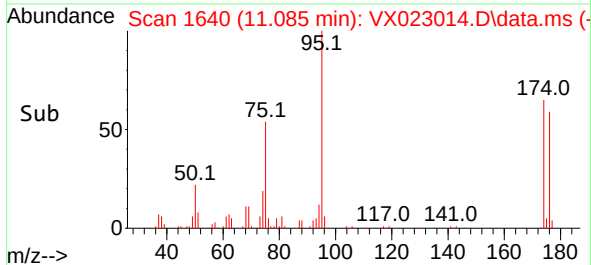
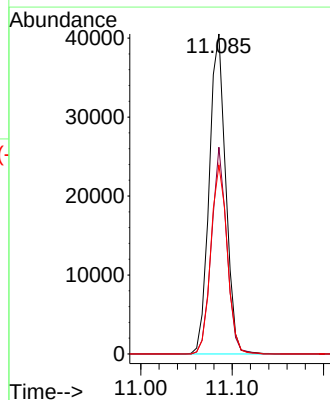
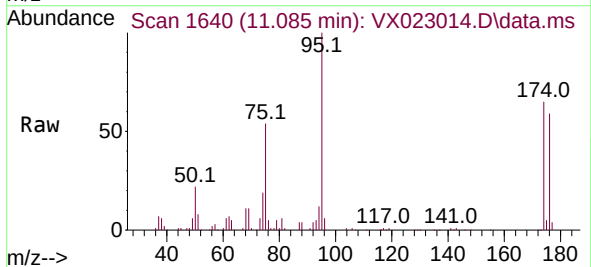
Instrument :  
MSVOA\_X  
ClientSampled :

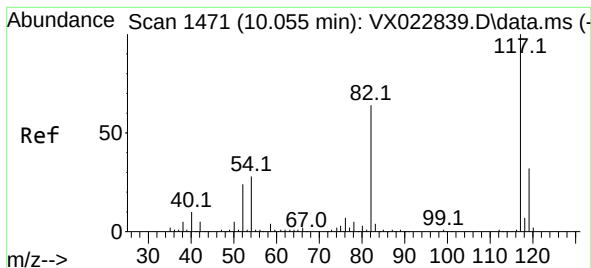
Tgt Ion: 43 Resp: 899  
Ion Ratio Lower Upper  
43 100  
58 137.0 35.4 53.0#



#62  
4-Bromofluorobenzene  
Concen: 45.715 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

Tgt Ion: 95 Resp: 50556  
Ion Ratio Lower Upper  
95 100  
174 59.9 0.0 154.6  
176 58.8 0.0 155.8

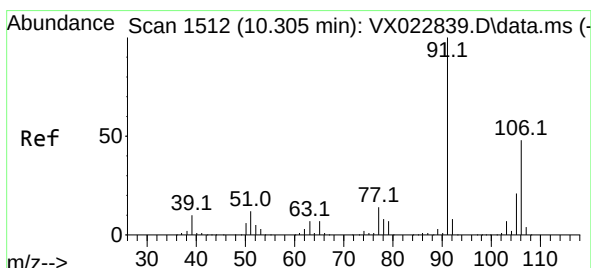
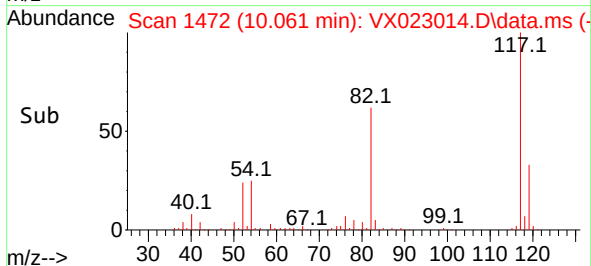
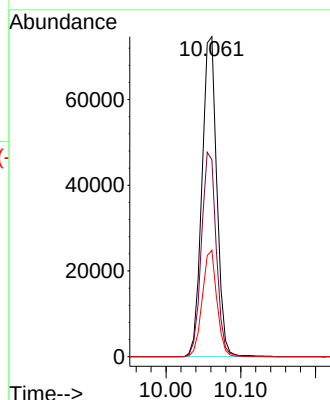
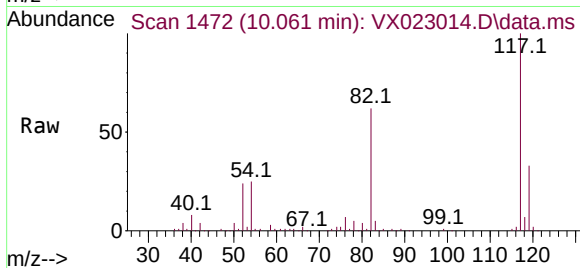




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. 0.006 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

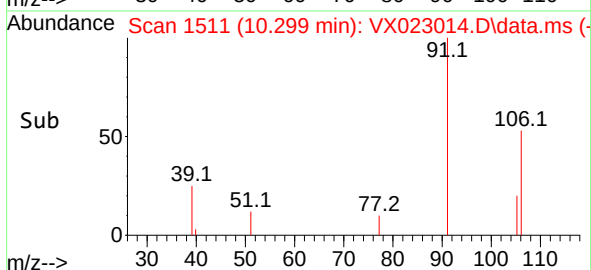
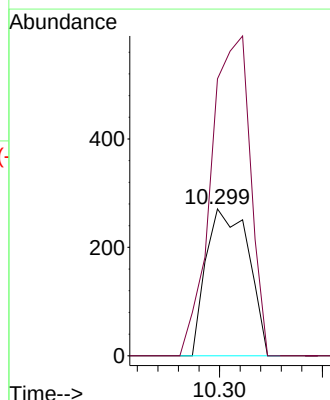
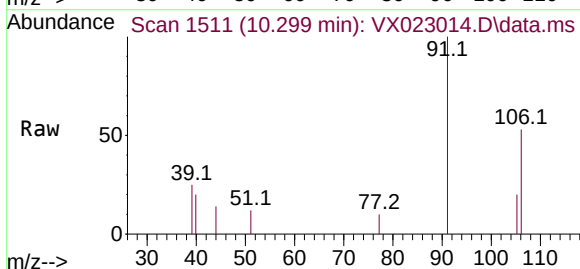
Instrument :  
MSVOA\_X  
ClientSampleId :

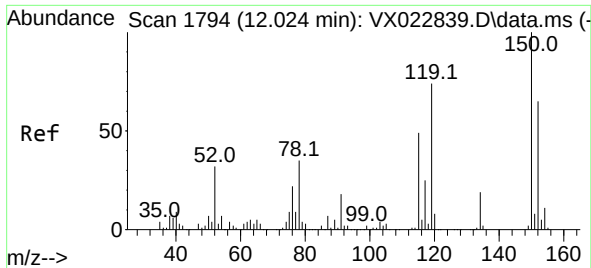
Tgt Ion:117 Resp: 103182  
Ion Ratio Lower Upper  
117 100  
82 61.6 47.4 71.2  
119 33.2 26.6 39.8



#68  
m/p-Xylenes  
Concen: 0.262 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.006 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

Tgt Ion:106 Resp: 389  
Ion Ratio Lower Upper  
106 100  
91 201.3 162.8 244.2

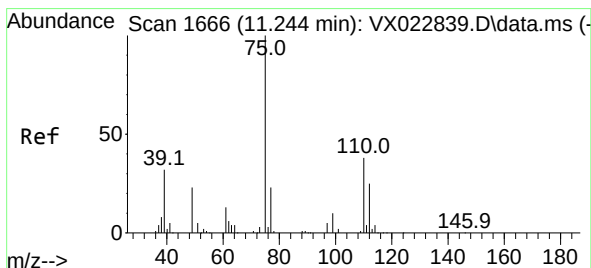
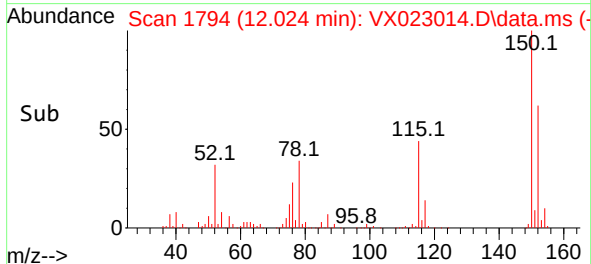
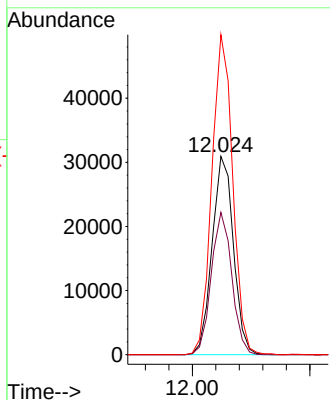
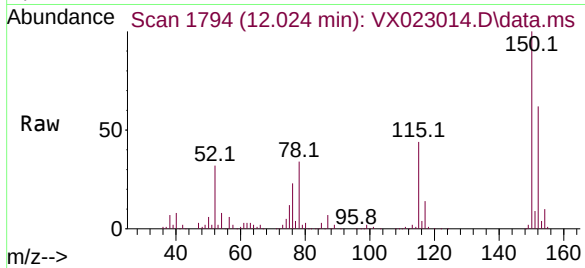




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX023014.D  
 Acq: 29 Jun 2021 19:27

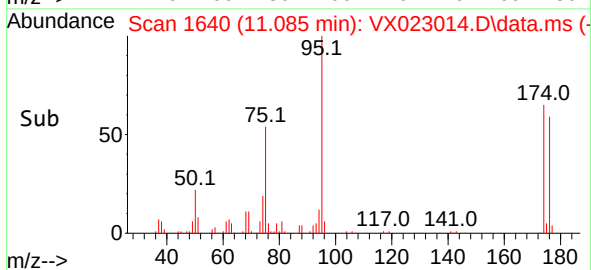
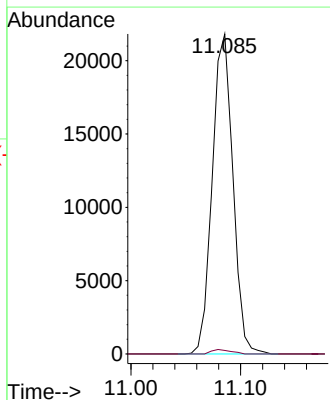
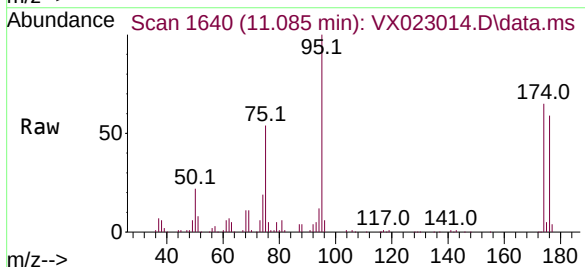
Instrument :  
 MSVOA\_X  
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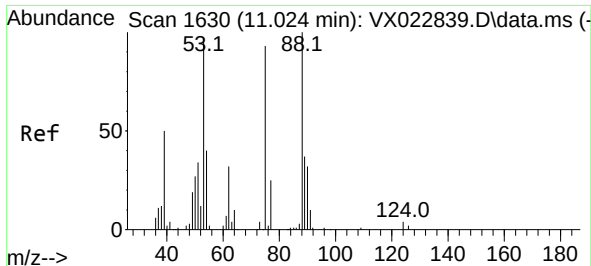
Tgt Ion:152 Resp: 39004  
 Ion Ratio Lower Upper  
 152 100  
 115 69.1 41.1 123.3  
 150 157.5 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 27.731 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX023014.D  
 Acq: 29 Jun 2021 19:27

Tgt Ion: 75 Resp: 28570  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 19.1 57.5#

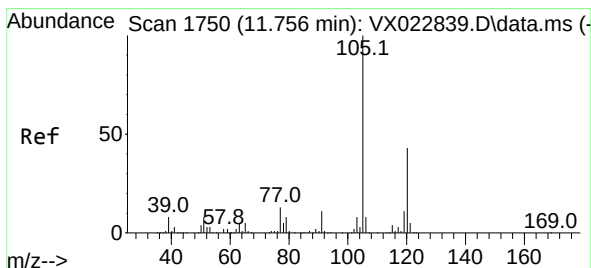
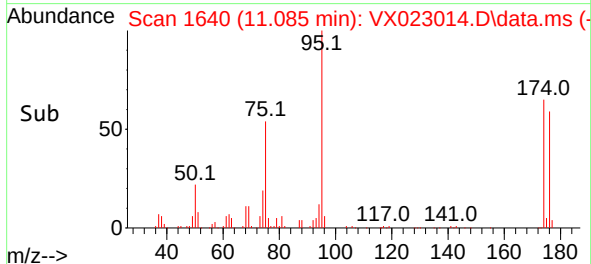
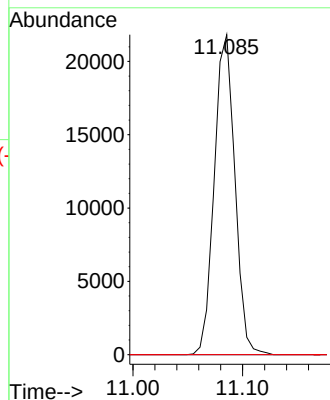
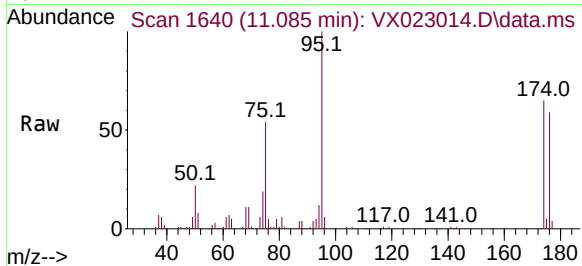




#81  
trans-1,4-Dichloro-2-butene  
Concen: 71.660 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

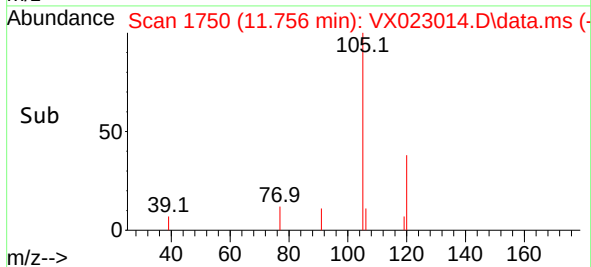
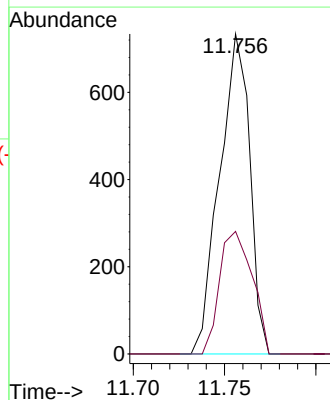
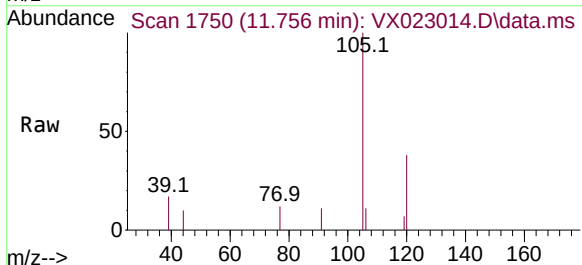
Instrument :  
MSVOA\_X  
ClientSampled :

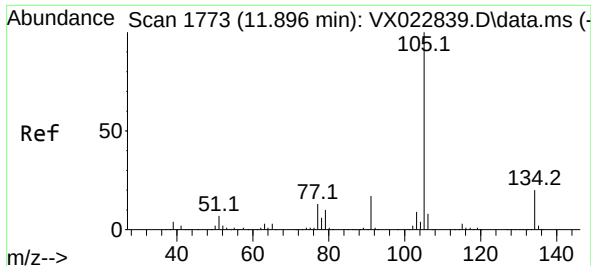
Tgt Ion: 75 Resp: 28570  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#



#84  
1,2,4-Trimethylbenzene  
Concen: 0.308 ug/l  
RT: 11.756 min Scan# 1750  
Delta R.T. 0.000 min  
Lab File: VX023014.D  
Acq: 29 Jun 2021 19:27

Tgt Ion: 105 Resp: 841  
Ion Ratio Lower Upper  
105 100  
120 41.7 22.4 67.3

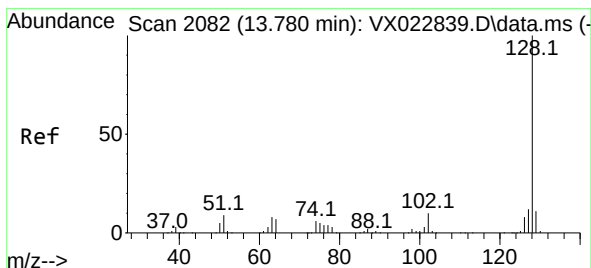
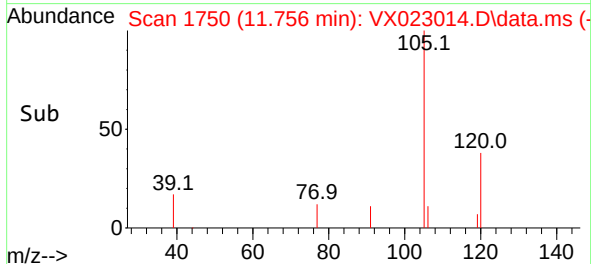
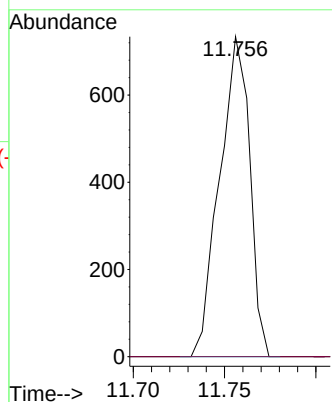
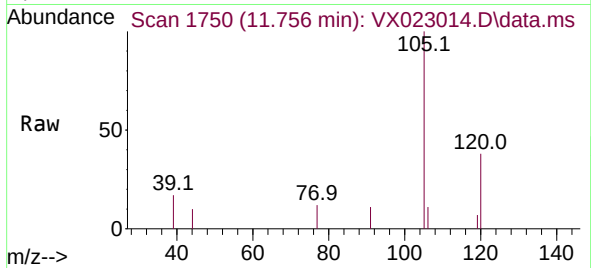




#85  
 sec-Butylbenzene  
 Concen: 0.244 ug/l  
 RT: 11.756 min Scan# 1750  
 Delta R.T. -0.140 min  
 Lab File: VX023014.D  
 Acq: 29 Jun 2021 19:27

Instrument :  
 MSVOA\_X  
 ClientSampled :

Tgt Ion:105 Resp: 841  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 10.0 29.8#



#95  
 Naphthalene  
 Concen: 2.214 ug/l  
 RT: 13.780 min Scan# 2082  
 Delta R.T. 0.000 min  
 Lab File: VX023014.D  
 Acq: 29 Jun 2021 19:27

Tgt Ion:128 Resp: 964  
 Ion Ratio Lower Upper  
 128 100  
 127 0.0 10.3 15.5#  
 129 9.4 8.8 13.2

