

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082521\Not Reviewed Data\  
 Data File : VX023943.D  
 Acq On : 25 Aug 2021 17:05  
 Operator : JC/MD  
 Sample : M3525-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Aug 26 17:38:04 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 11:57:51 2021  
 Response via : Initial Calibration

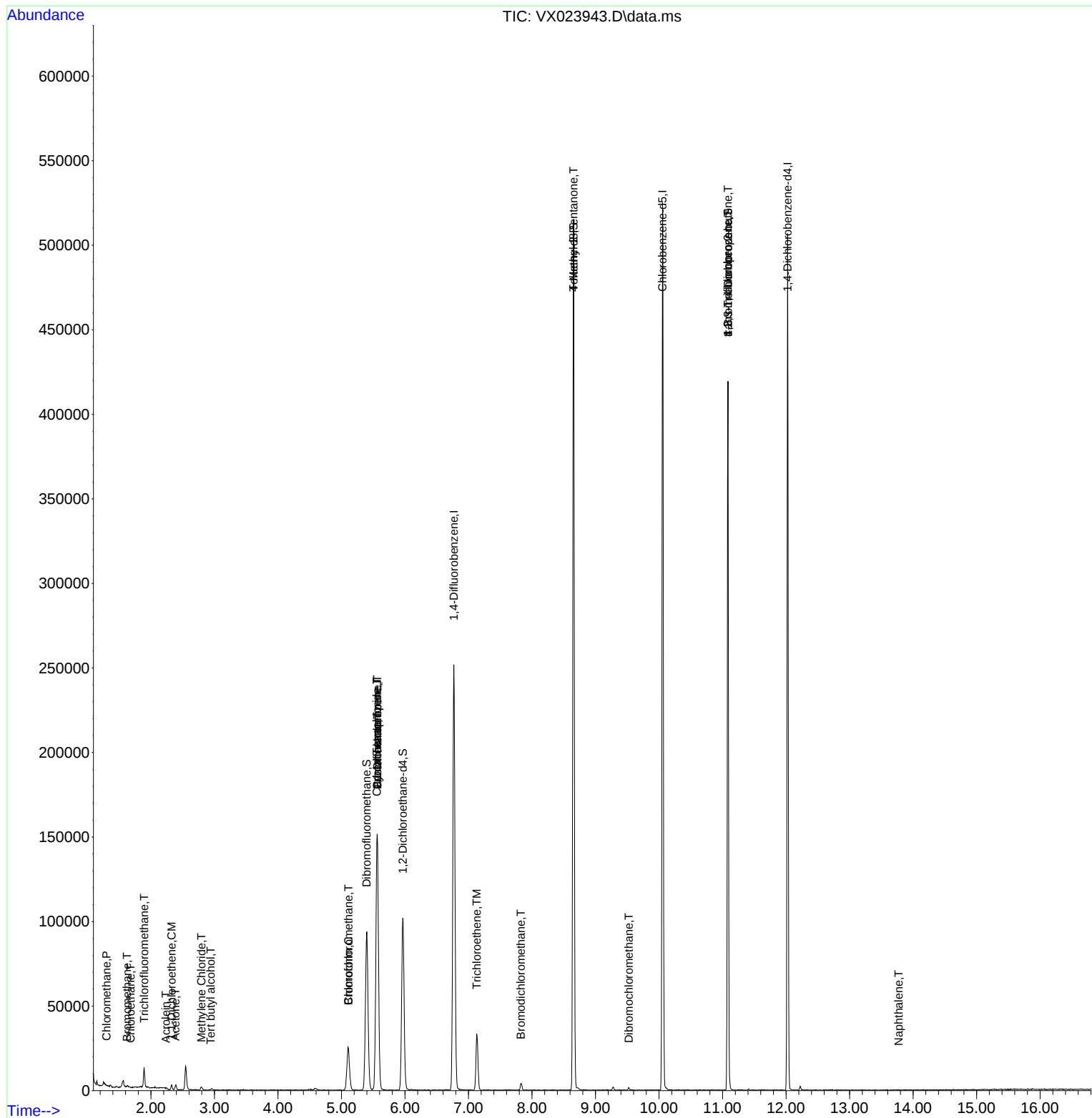
| Compound                      | R.T.   | T.Q   | Ion      | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|----------|
| Internal Standards            |        |       |          |          |        |          |          |
| 1) Pentafluorobenzene         | 5.562  | 168   |          | 142493   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   |          | 244149   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   |          | 232065   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   |          | 97760    | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    |          | 102354   | 51.466 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 102.940% |          |
| 35) Dibromofluoromethane      | 5.397  | 113   |          | 78599    | 48.639 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 97.280%  |          |
| 50) Toluene-d8                | 8.653  | 98    |          | 293372   | 47.699 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 95.400%  |          |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    |          | 103546   | 45.733 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 91.460%  |          |
| Target Compounds              |        |       |          |          |        |          | Qvalue   |
| 3) Chloromethane              | 1.301  | 50    |          | 436      | 0.264  | ug/l     | 92       |
| 5) Bromomethane               | 1.624  | 94    |          | 511      | 0.505  | ug/l     | 98       |
| 6) Chloroethane               | 1.679  | 64    |          | 61       | 2.261  | ug/l #   | 43       |
| 7) Trichlorofluoromethane     | 1.892  | 101   |          | 7199     | 2.832  | ug/l     | 94       |
| 11) Tert butyl alcohol        | 2.941  | 59    |          | 448      | 1.114  | ug/l #   | 73       |
| 12) 1,1-Dichloroethene        | 2.325  | 96    |          | 928      | 0.679  | ug/l     | 92       |
| 13) Acrolein                  | 2.233  | 56    |          | 84       | 0.351  | ug/l #   | 14       |
| 16) Acetone                   | 2.386  | 43    |          | 3058     | 3.439  | ug/l #   | 84       |
| 20) Methylene Chloride        | 2.794  | 84    |          | 837      | 0.493  | ug/l #   | 78       |
| 28) Bromochloromethane        | 5.111  | 49    |          | 2532     | 1.993  | ug/l #   | 9        |
| 30) Chloroform                | 5.111  | 83    |          | 29170    | 9.862  | ug/l     | 94       |
| 31) Cyclohexane               | 5.562  | 56    |          | 3273     | 1.281  | ug/l #   | 9        |
| 36) 1,1-Dichloropropene       | 5.562  | 75    |          | 11430    | 5.055  | ug/l #   | 49       |
| 38) Carbon Tetrachloride      | 5.556  | 117   |          | 14638    | 6.209  | ug/l #   | 16       |
| 44) Trichloroethene           | 7.129  | 130   |          | 12776    | 6.918  | ug/l     | 95       |
| 47) Bromodichloromethane      | 7.824  | 83    |          | 2727     | 1.220  | ug/l     | 92       |
| 51) 4-Methyl-2-Pentanone      | 8.653  | 43    |          | 1399     | 0.498  | ug/l #   | 1        |
| 60) Dibromochloromethane      | 9.525  | 129   |          | 423      | 1.895  | ug/l     | 92       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    |          | 56299    | 24.687 | ug/l #   | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    |          | 56299    | 72.619 | ug/l #   | 12       |
| 95) Naphthalene               | 13.774 | 128   |          | 107      | 1.297  | ug/l #   | 69       |

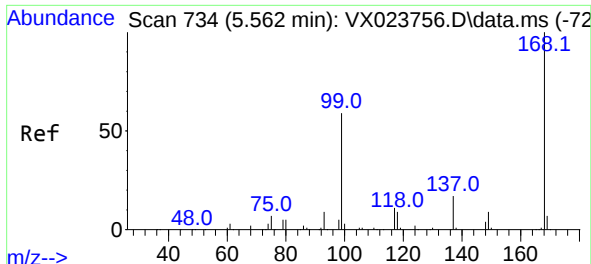
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082521\Not Reviewed Data\  
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Sample : M3525-09  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :

Quant Time: Aug 26 17:38:04 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 17 11:57:51 2021  
Response via : Initial Calibration

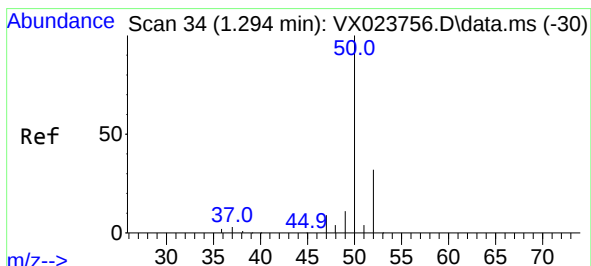
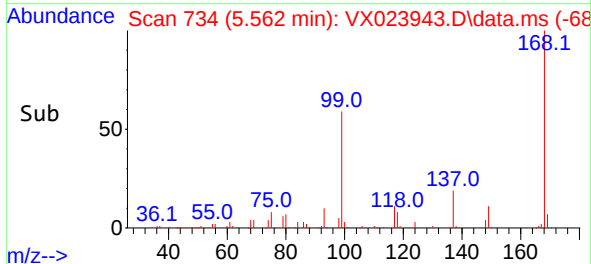
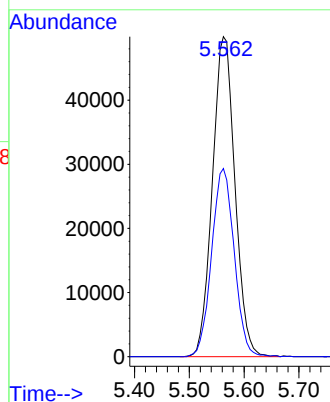
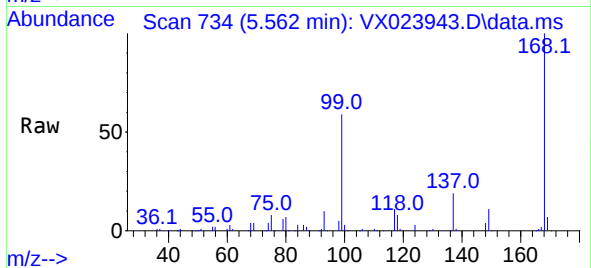




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

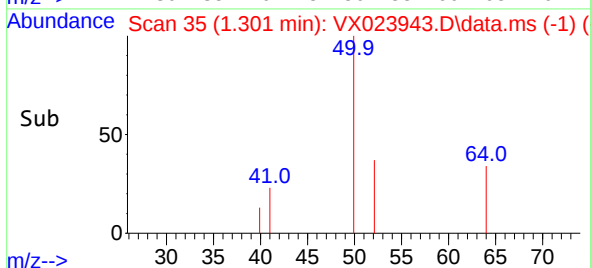
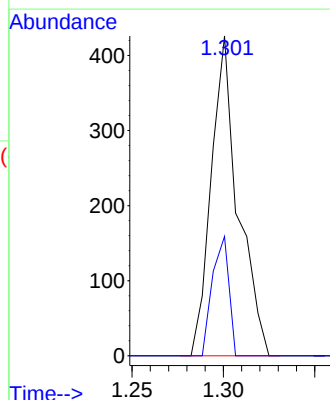
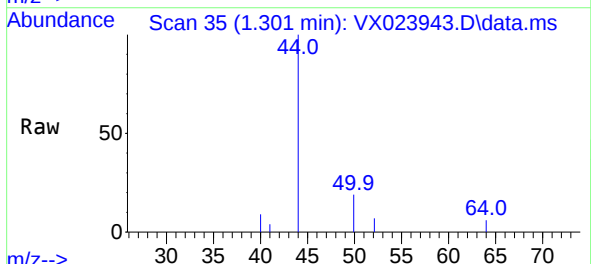
Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion:168 Resp: 142493  
Ion Ratio Lower Upper  
168 100  
99 58.8 45.8 68.6

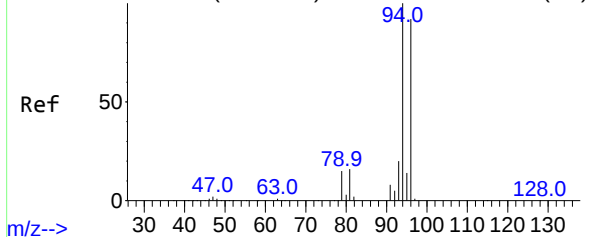


#3  
Chloromethane  
Concen: 0.264 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. 0.007 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

Tgt Ion: 50 Resp: 436  
Ion Ratio Lower Upper  
50 100  
52 37.3 26.4 39.6

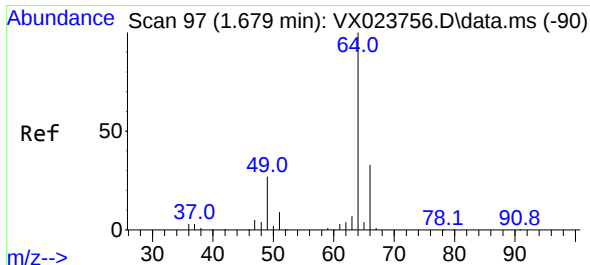
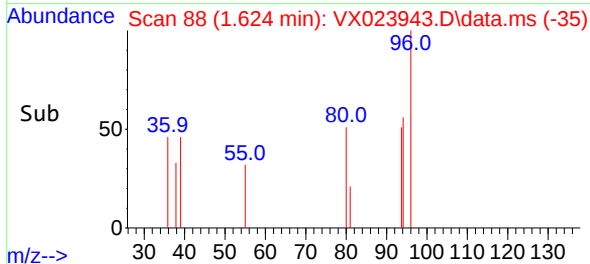
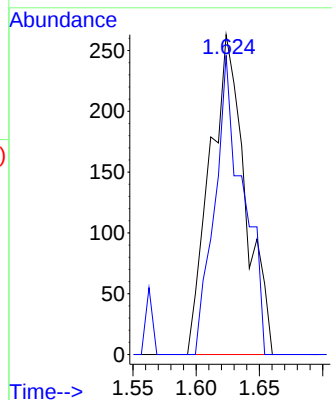
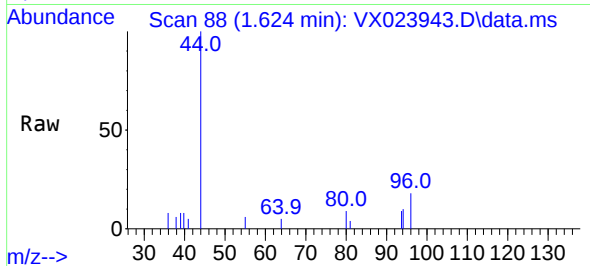


Abundance Scan 84 (1.599 min): VX023756.D\data.ms (-76)



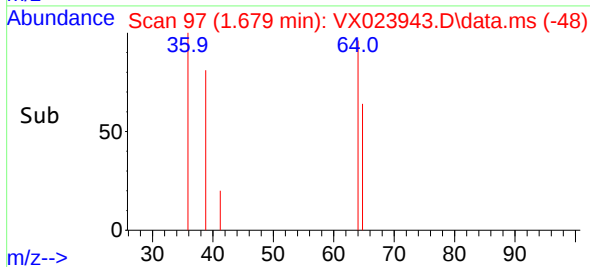
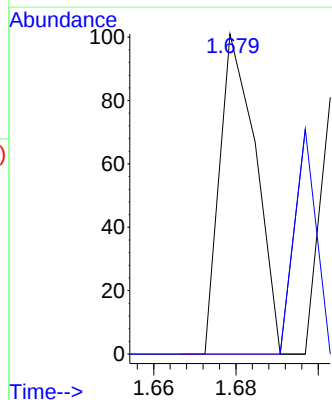
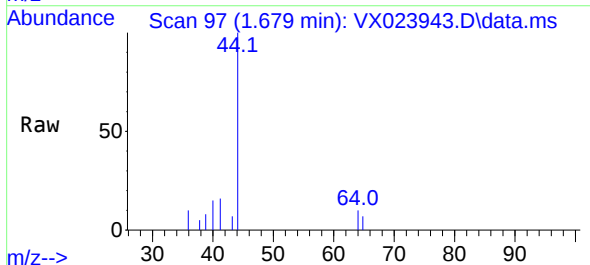
#5  
Bromomethane  
Concen: 0.505 ug/l  
RT: 1.624 min Scan# 88  
Delta R.T. 0.025 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

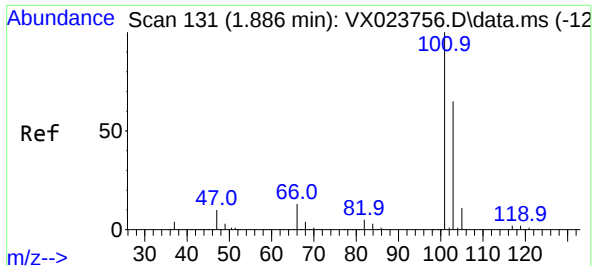
Tgt Ion: 94 Resp: 511  
Ion Ratio Lower Upper  
94 100  
96 93.5 76.4 114.6



#6  
Chloroethane  
Concen: 2.261 ug/l  
RT: 1.679 min Scan# 97  
Delta R.T. -0.000 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

Tgt Ion: 64 Resp: 61  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#

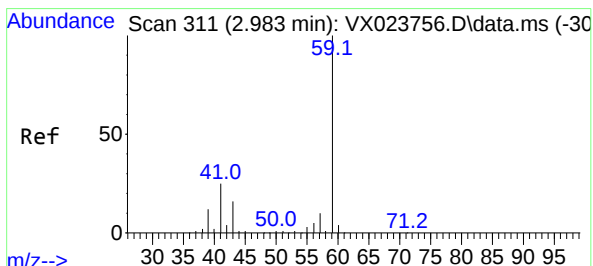
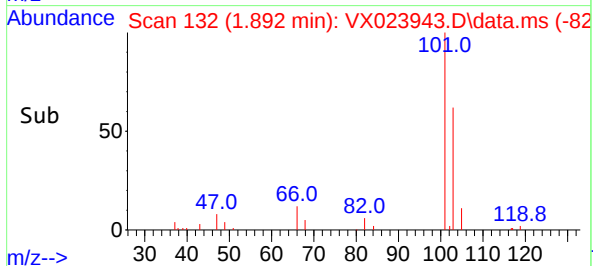
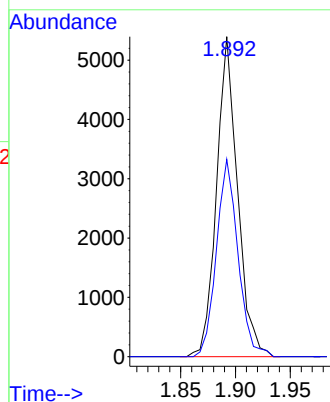
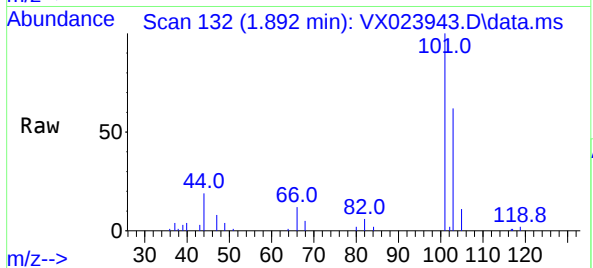




#7  
Trichlorofluoromethane  
Concen: 2.832 ug/l  
RT: 1.892 min Scan# 132  
Delta R.T. 0.006 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

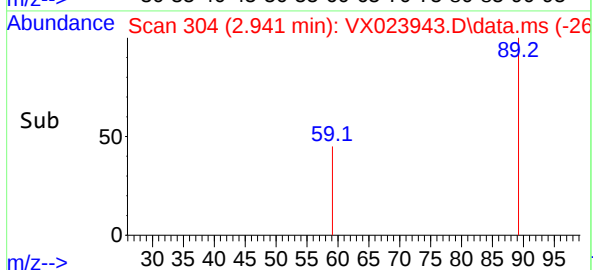
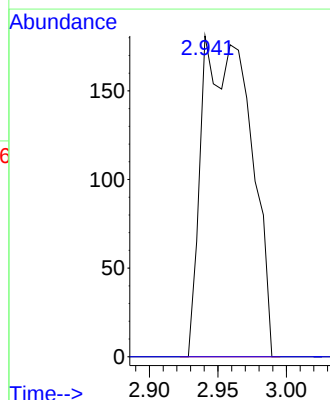
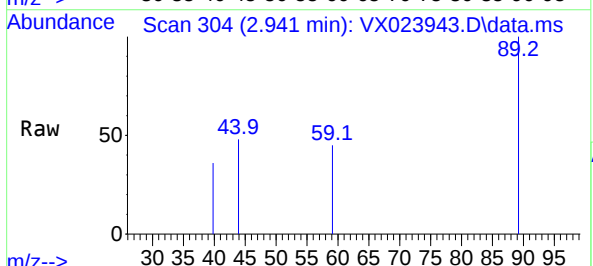
Instrument :  
MSVOA\_X  
ClientSampleId :

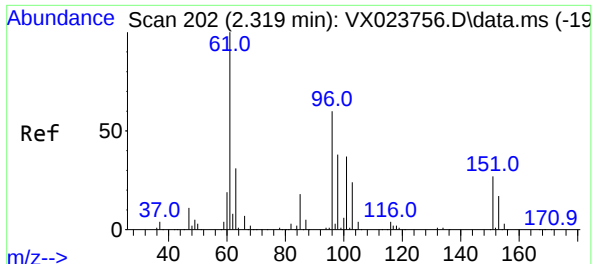
Tgt Ion:101 Resp: 7199  
Ion Ratio Lower Upper  
101 100  
103 61.7 53.2 79.8



#11  
Tert butyl alcohol  
Concen: 1.114 ug/l  
RT: 2.941 min Scan# 304  
Delta R.T. -0.042 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

Tgt Ion: 59 Resp: 448  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.679 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX023943.D

Acq: 25 Aug 2021 17:05

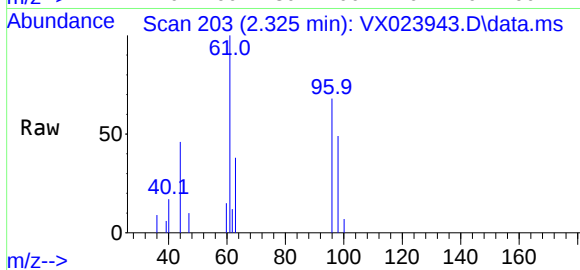
Tgt Ion: 96 Resp: 928

Ion Ratio Lower Upper

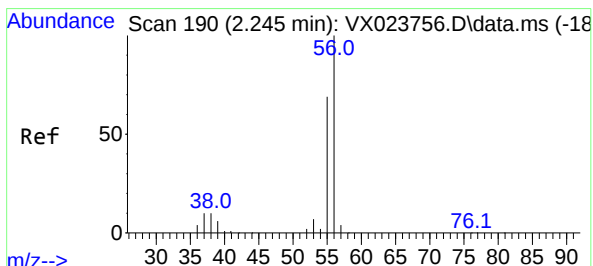
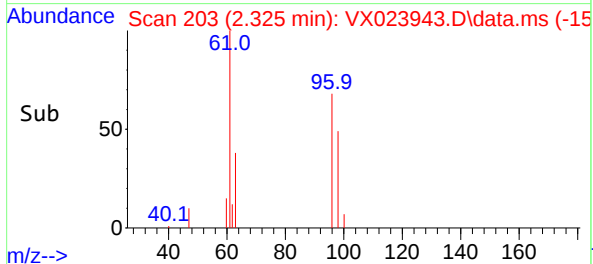
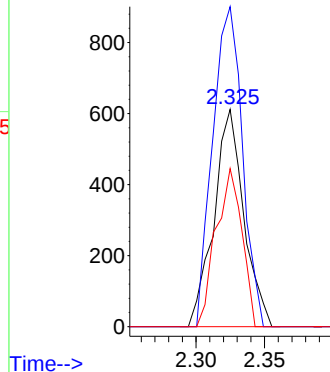
96 100

61 147.2 124.6 187.0

98 72.7 50.6 76.0



Abundance



#13

Acrolein

Concen: 0.351 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.012 min

Lab File: VX023943.D

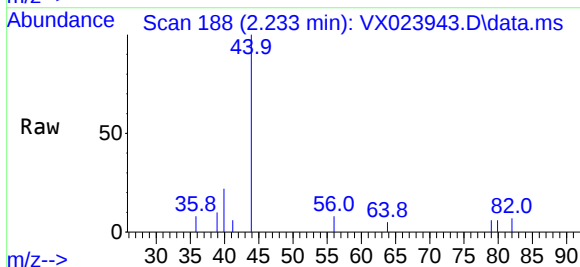
Acq: 25 Aug 2021 17:05

Tgt Ion: 56 Resp: 84

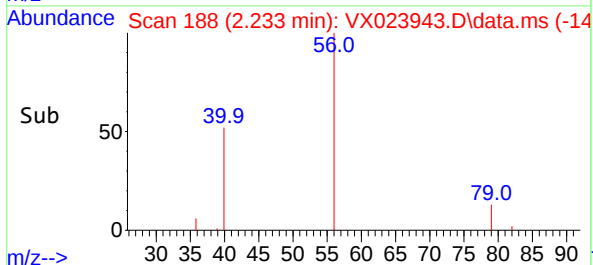
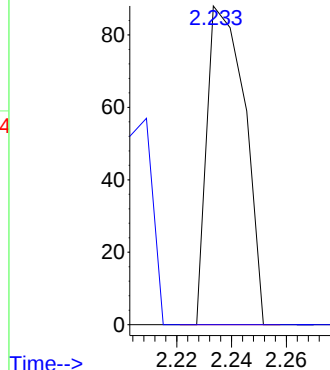
Ion Ratio Lower Upper

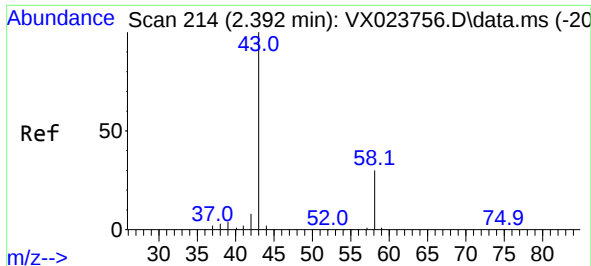
56 100

55 0.0 56.4 84.6#



Abundance

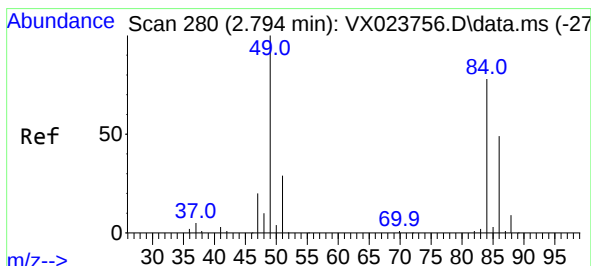
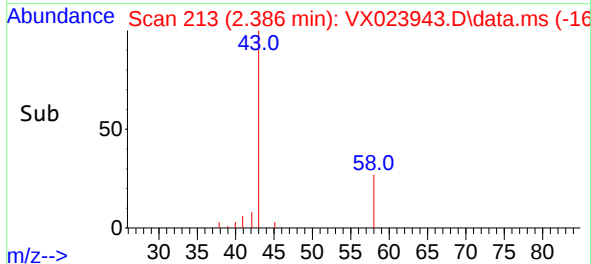
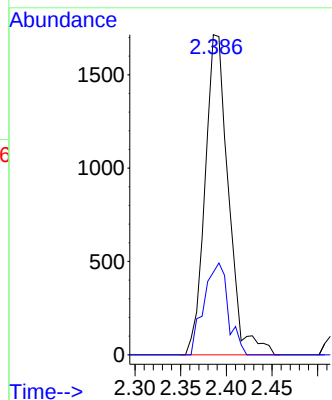
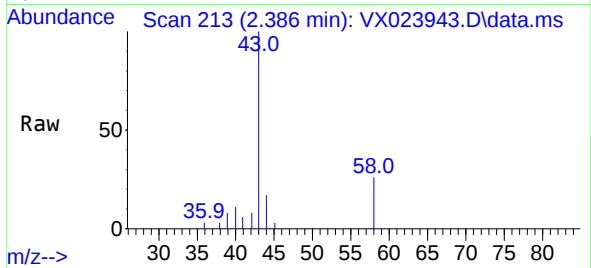




#16  
Acetone  
Concen: 3.439 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

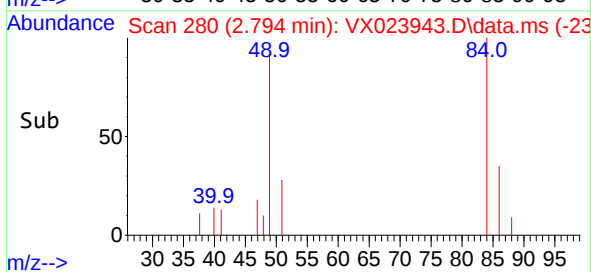
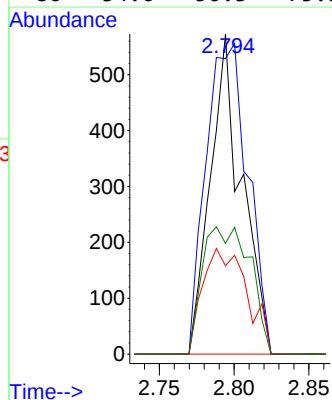
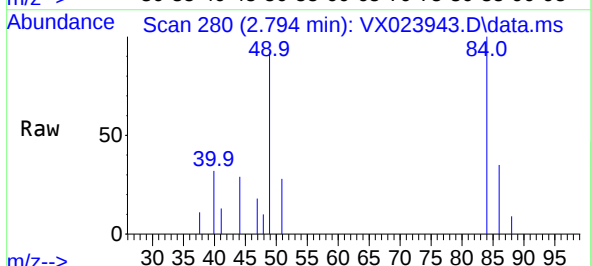
Instrument :  
MSVOA\_X  
ClientSampled :

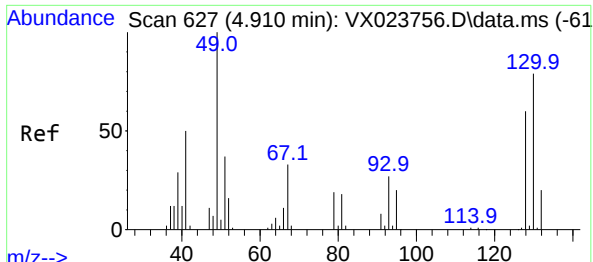
Tgt Ion: 43 Resp: 3058  
Ion Ratio Lower Upper  
43 100  
58 25.8 27.8 41.8#



#20  
Methylene Chloride  
Concen: 0.493 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

Tgt Ion: 84 Resp: 837  
Ion Ratio Lower Upper  
84 100  
49 92.3 88.6 132.8  
51 27.6 27.0 40.6  
86 34.6 50.3 75.5#

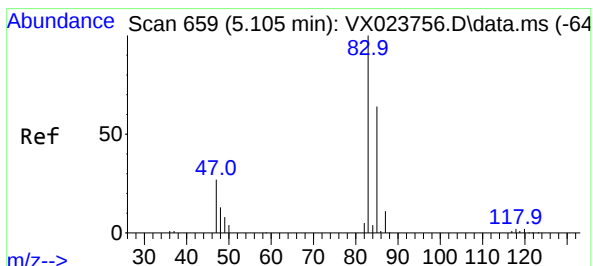
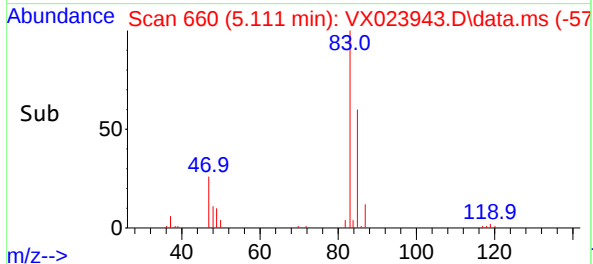
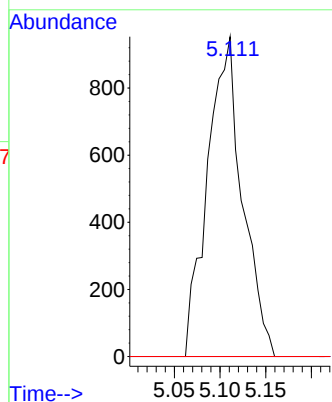
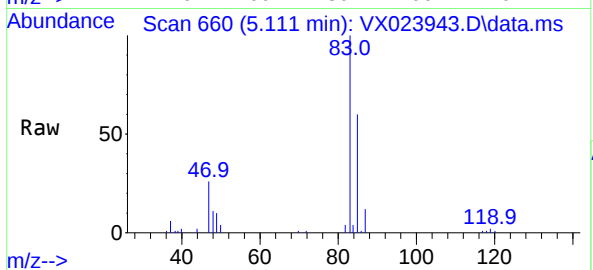




#28  
Bromochloromethane  
Concen: 1.993 ug/l  
RT: 5.111 min Scan# 660  
Delta R.T. 0.201 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

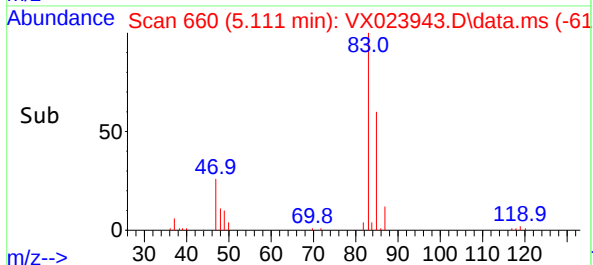
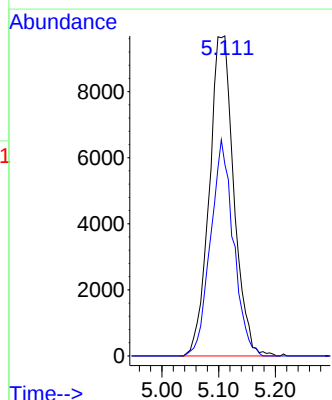
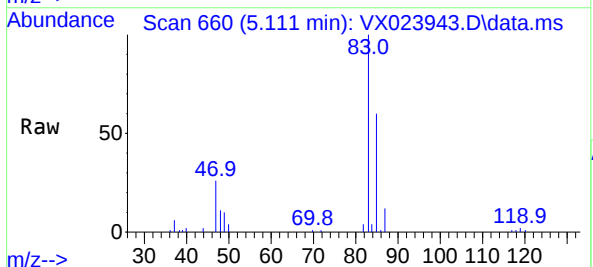
Instrument :  
MSVOA\_X  
ClientSampled :

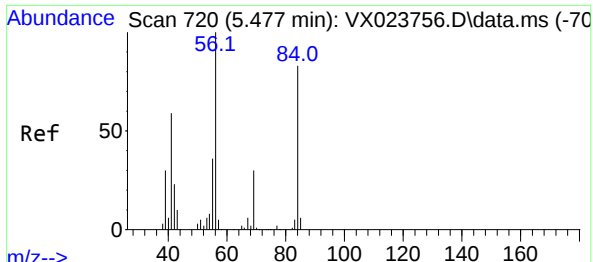
Tgt Ion: 49 Resp: 2532  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 4.0  
130 0.0 68.2 102.2#



#30  
Chloroform  
Concen: 9.862 ug/l  
RT: 5.111 min Scan# 660  
Delta R.T. 0.006 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

Tgt Ion: 83 Resp: 29170  
Ion Ratio Lower Upper  
83 100  
85 59.9 52.0 78.0

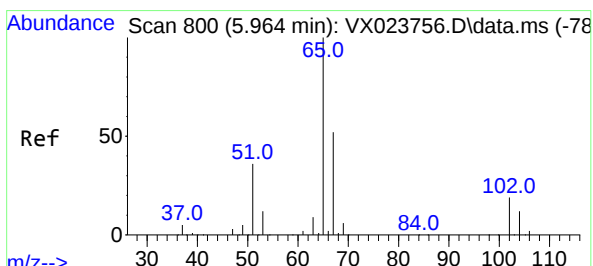
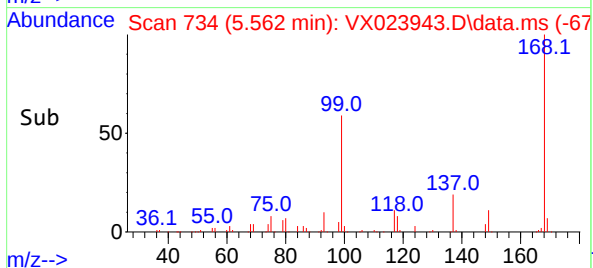
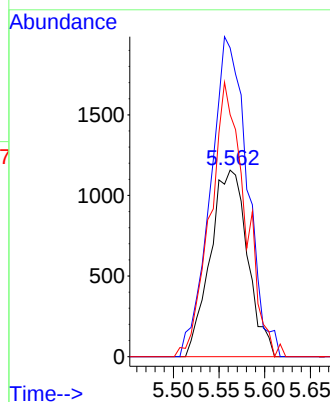
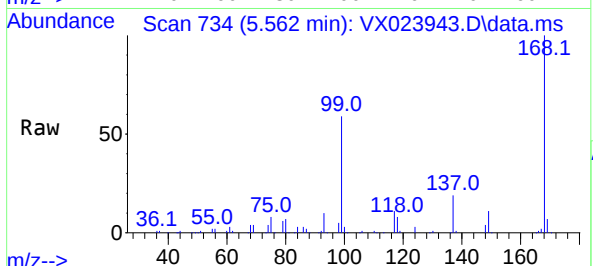




#31  
Cyclohexane  
Concen: 1.281 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.085 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

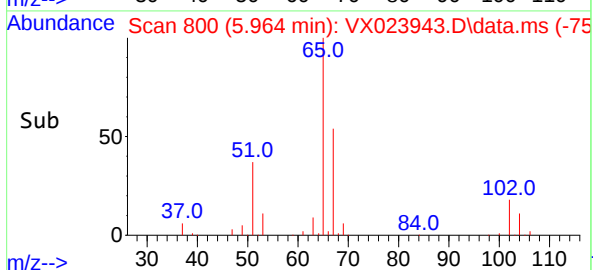
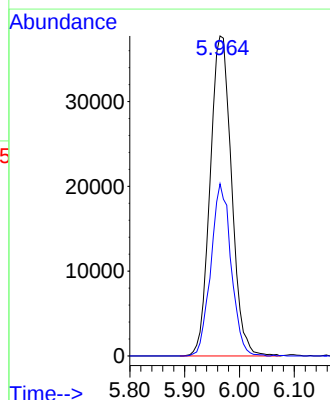
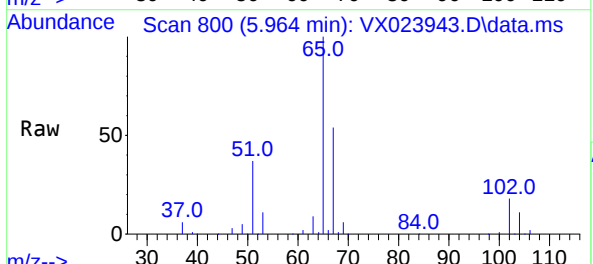
Instrument :  
MSVOA\_X  
ClientSampled :

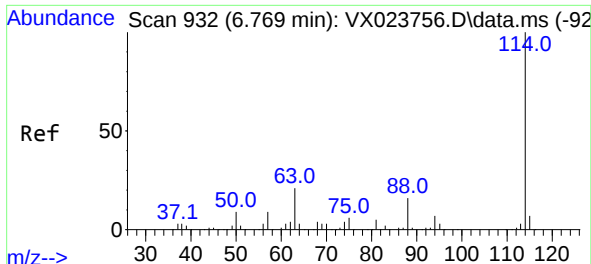
Tgt Ion: 56 Resp: 3273  
Ion Ratio Lower Upper  
56 100  
69 165.6 25.3 37.9#  
84 125.0 71.4 107.0#



#33  
1,2-Dichloroethane-d4  
Concen: 51.466 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

Tgt Ion: 65 Resp: 102354  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 105.4

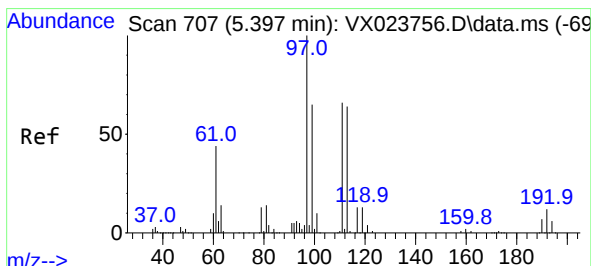
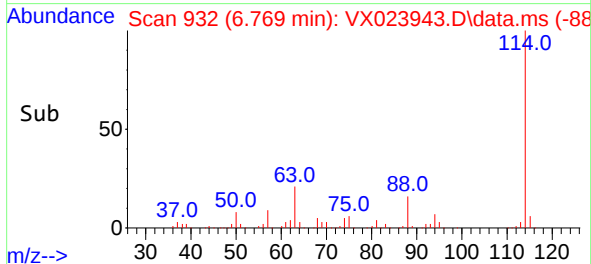
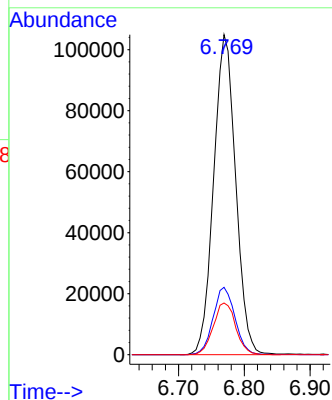
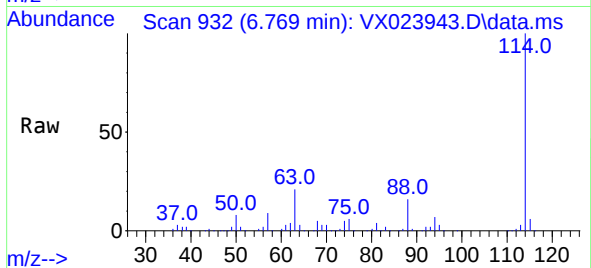




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

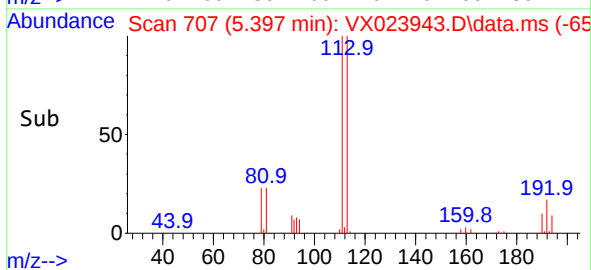
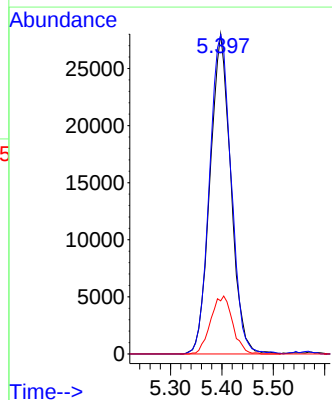
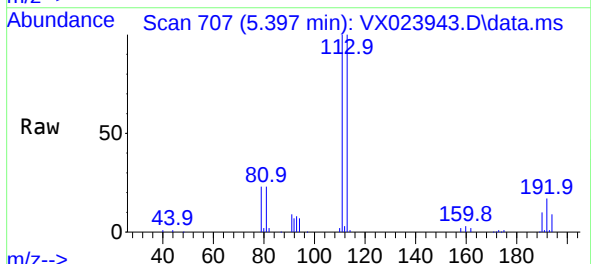
Instrument :  
MSVOA\_X  
ClientSampled :

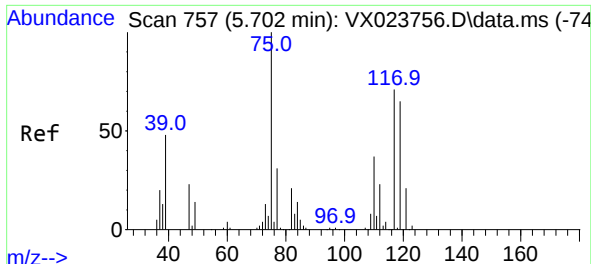
Tgt Ion:114 Resp: 244149  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 40.8  
88 16.1 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 48.639 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

Tgt Ion:113 Resp: 78599  
Ion Ratio Lower Upper  
113 100  
111 103.6 81.9 122.9  
192 19.1 16.7 25.1

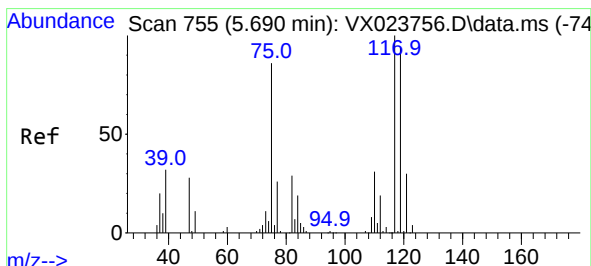
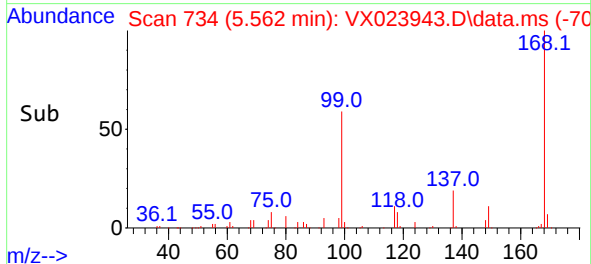
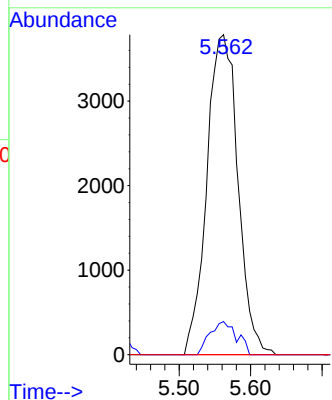
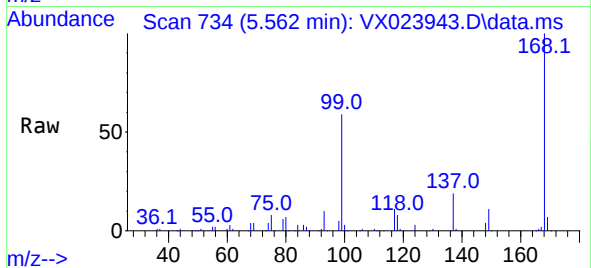




#36  
1,1-Dichloropropene  
Concen: 5.055 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.140 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

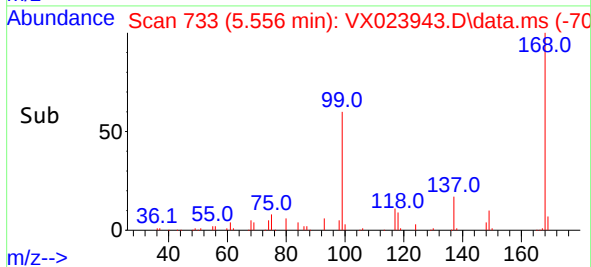
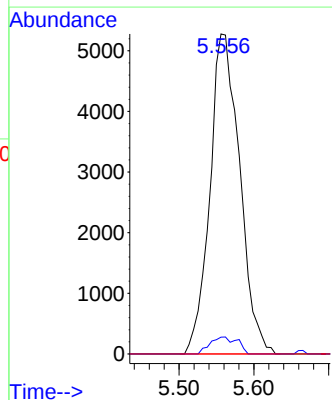
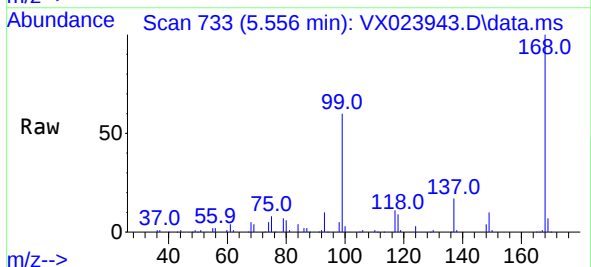
Instrument :  
MSVOA\_X  
ClientSampled :

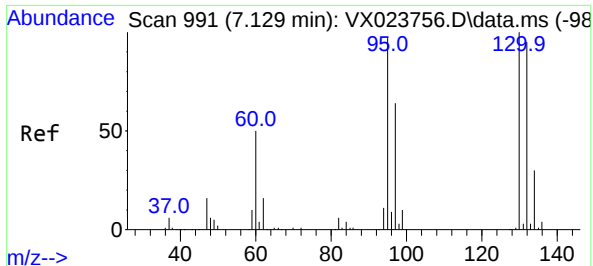
Tgt Ion: 75 Resp: 11430  
Ion Ratio Lower Upper  
75 100  
110 9.0 18.1 54.4#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 6.209 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.134 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

Tgt Ion:117 Resp: 14638  
Ion Ratio Lower Upper  
117 100  
119 5.3 76.2 114.2#  
121 0.0 24.8 37.2#

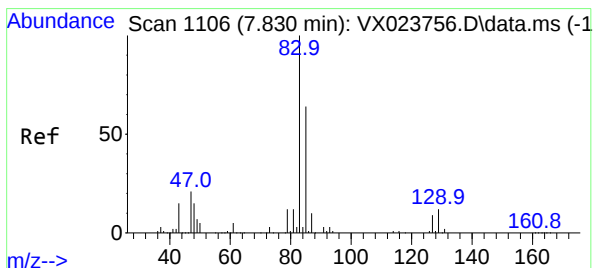
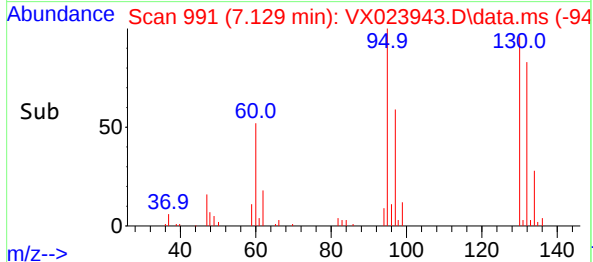
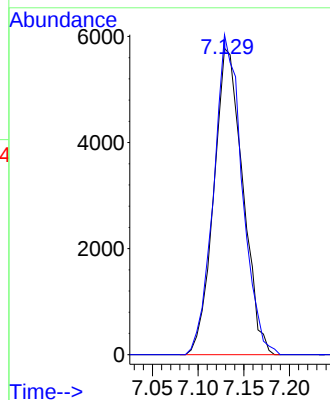
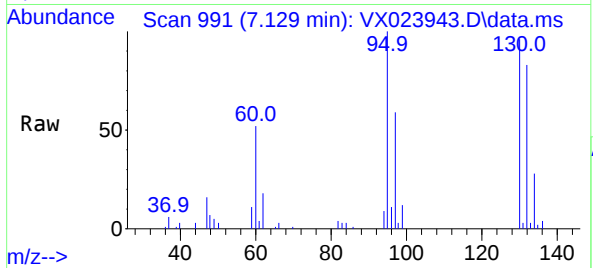




#44  
Trichloroethene  
Concen: 6.918 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

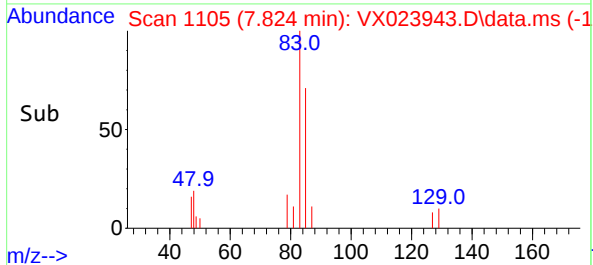
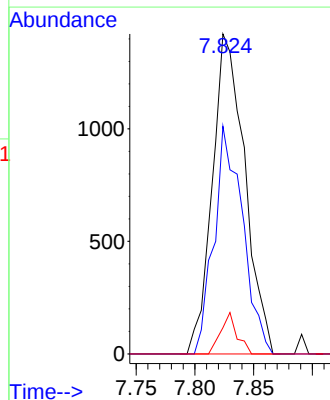
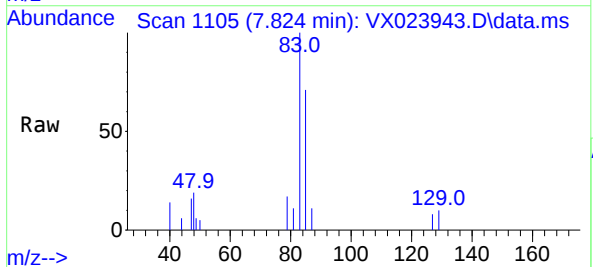
Instrument :  
MSVOA\_X  
ClientSampled :

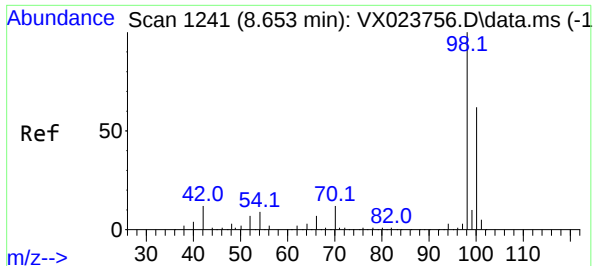
Tgt Ion:130 Resp: 12776  
Ion Ratio Lower Upper  
130 100  
95 104.4 0.0 198.0



#47  
Bromodichloromethane  
Concen: 1.220 ug/l  
RT: 7.824 min Scan# 1105  
Delta R.T. -0.006 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

Tgt Ion: 83 Resp: 2727  
Ion Ratio Lower Upper  
83 100  
85 71.2 51.4 77.0  
127 8.2 6.8 10.2

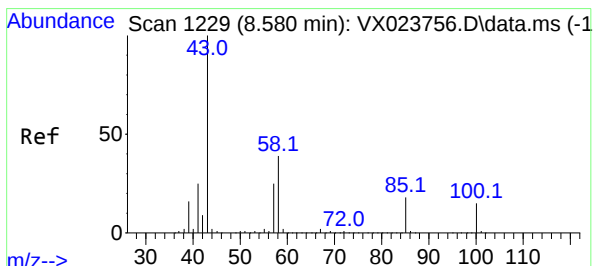
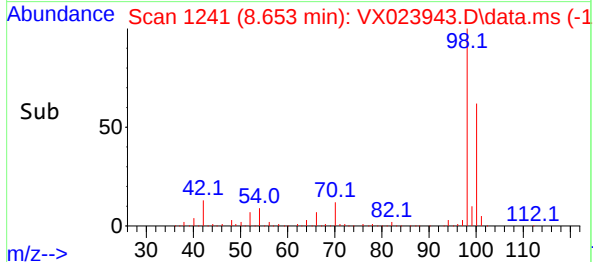
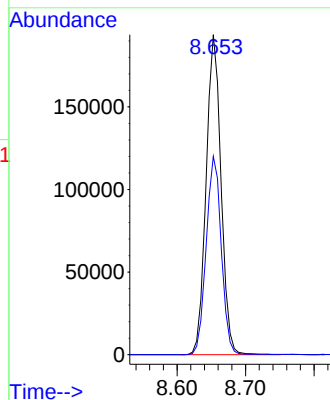
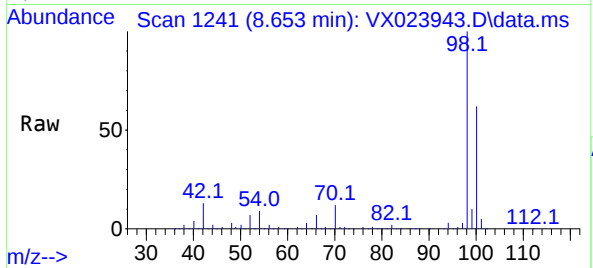




#50  
Toluene-d8  
Concen: 47.699 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

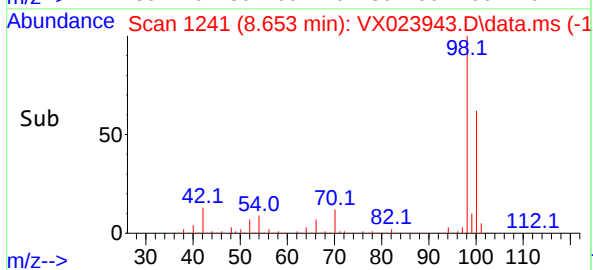
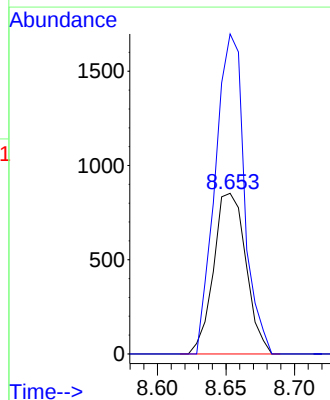
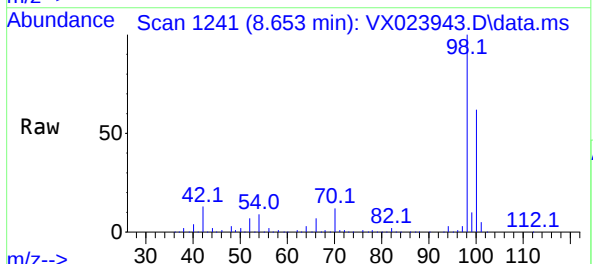
Instrument :  
MSVOA\_X  
ClientSampled :

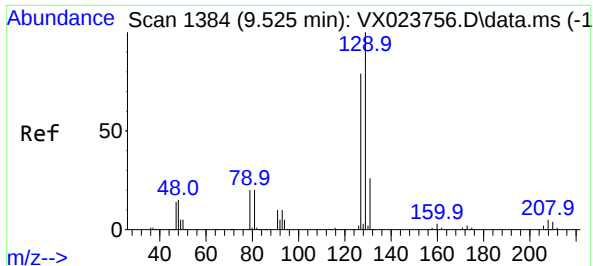
Tgt Ion: 98 Resp: 293372  
Ion Ratio Lower Upper  
98 100  
100 62.7 51.9 77.9



#51  
4-Methyl-2-Pentanone  
Concen: 0.498 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.073 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

Tgt Ion: 43 Resp: 1399  
Ion Ratio Lower Upper  
43 100  
58 179.4 35.4 53.0%

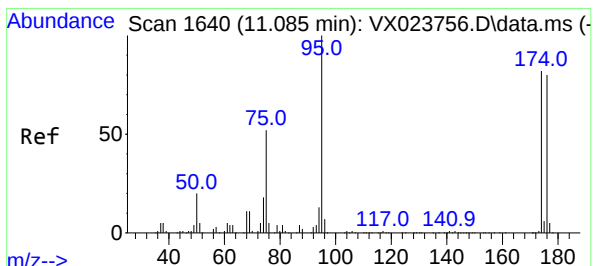
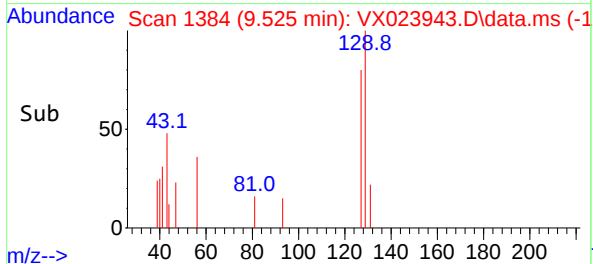
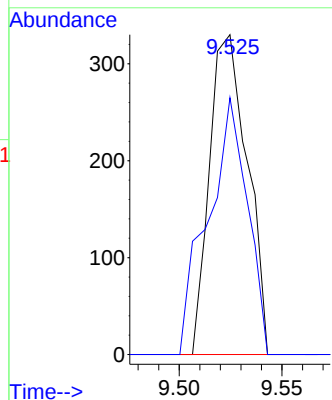
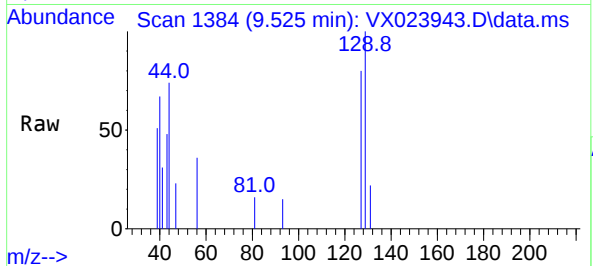




#60  
Dibromochloromethane  
Concen: 1.895 ug/l  
RT: 9.525 min Scan# 1384  
Delta R.T. -0.000 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

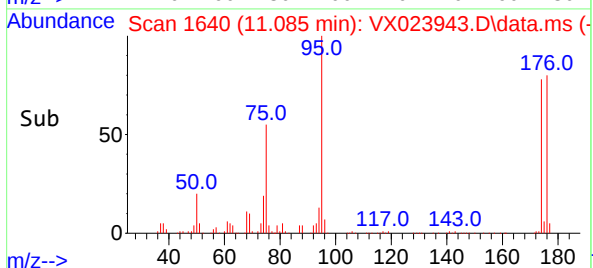
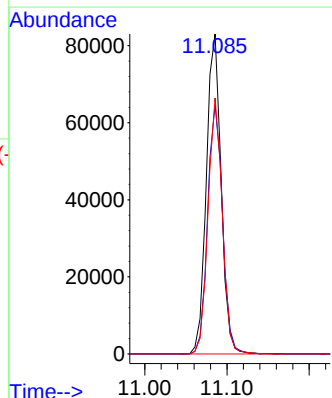
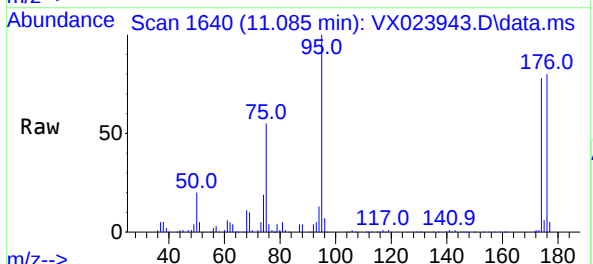
Instrument :  
MSVOA\_X  
ClientSampled :

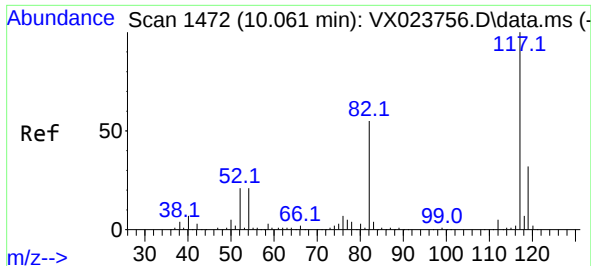
Tgt Ion:129 Resp: 423  
Ion Ratio Lower Upper  
129 100  
127 83.9 38.4 115.2



#62  
4-Bromofluorobenzene  
Concen: 45.733 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

Tgt Ion: 95 Resp: 103546  
Ion Ratio Lower Upper  
95 100  
174 78.7 0.0 154.6  
176 77.3 0.0 155.8

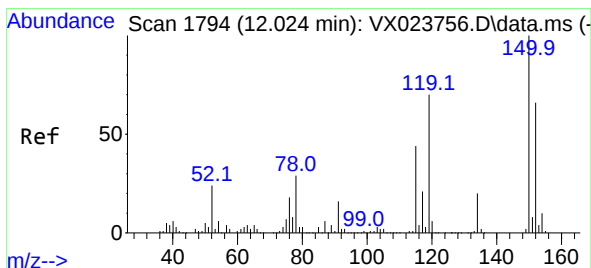
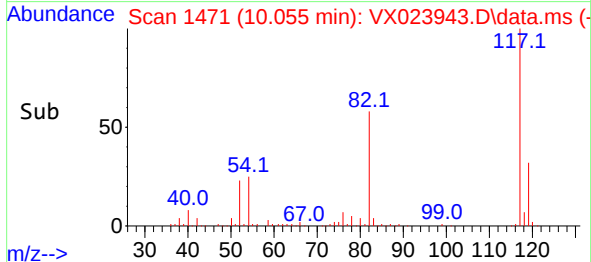
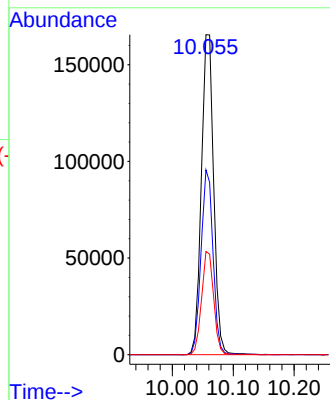
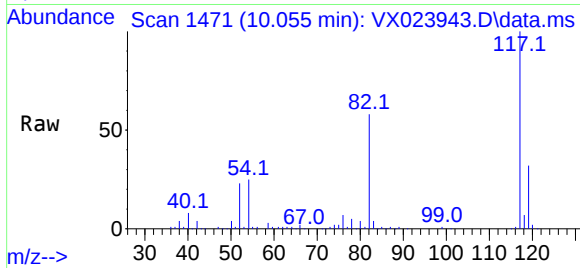




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

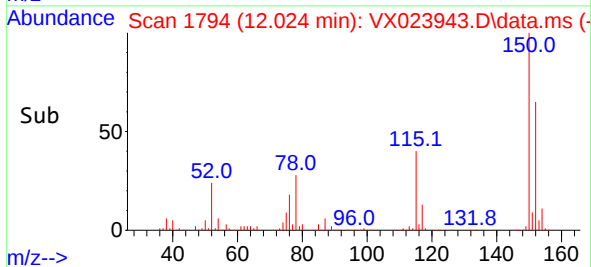
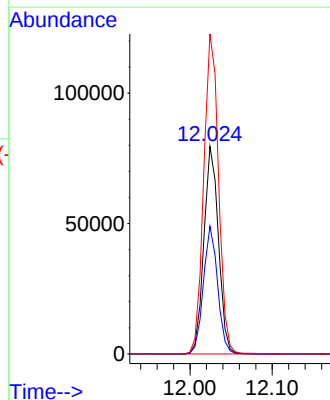
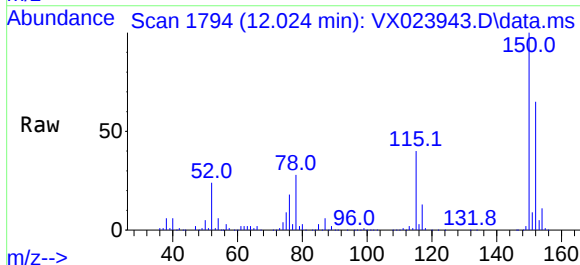
Instrument :  
MSVOA\_X  
ClientSampleId :

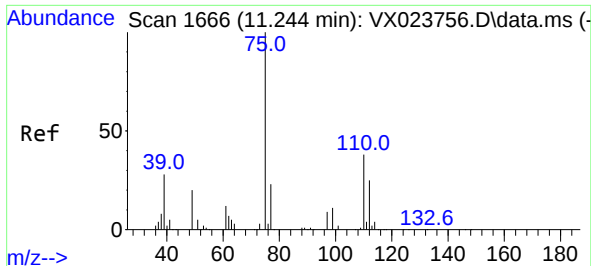
Tgt Ion:117 Resp: 232065  
Ion Ratio Lower Upper  
117 100  
82 57.7 47.4 71.2  
119 32.3 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

Tgt Ion:152 Resp: 97760  
Ion Ratio Lower Upper  
152 100  
115 60.0 41.1 123.3  
150 157.2 0.0 349.0

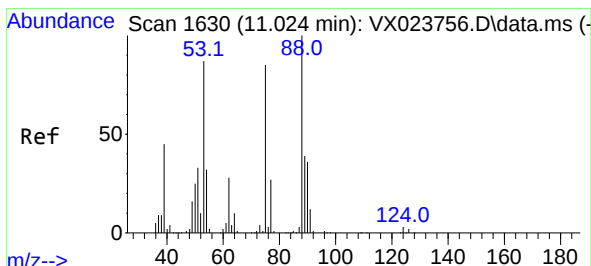
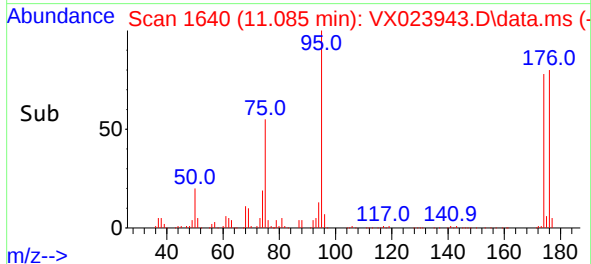
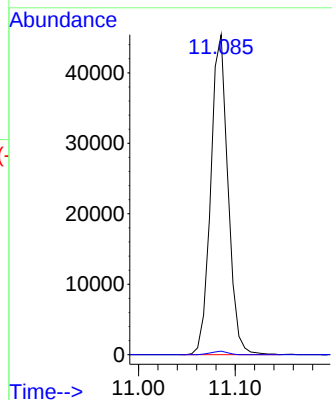
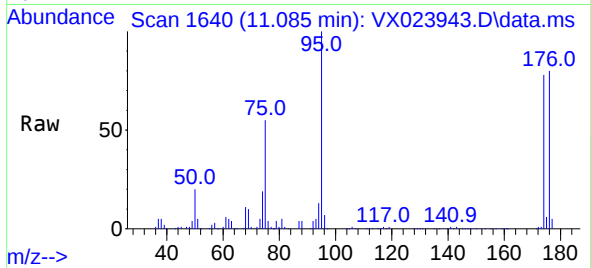




#76  
1,2,3-Trichloropropane  
Concen: 24.687 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

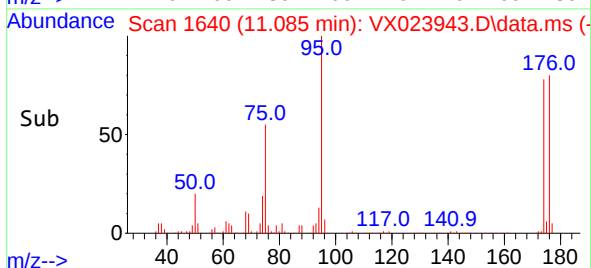
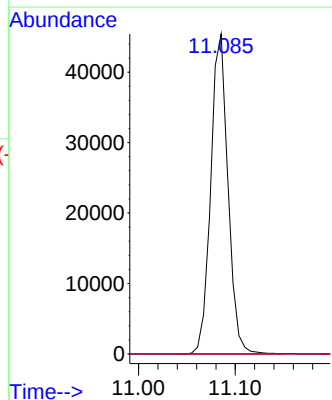
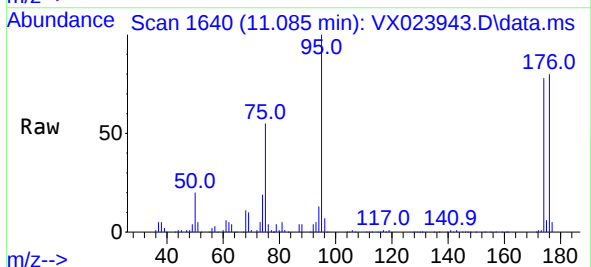
Instrument :  
MSVOA\_X  
ClientSampled :

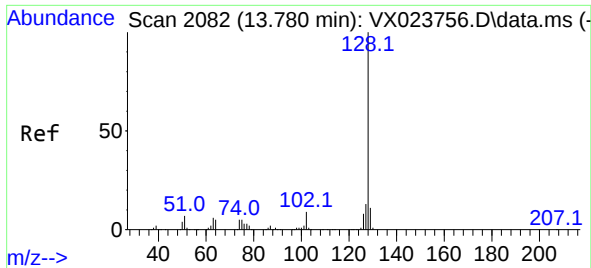
Tgt Ion: 75 Resp: 56299  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.619 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

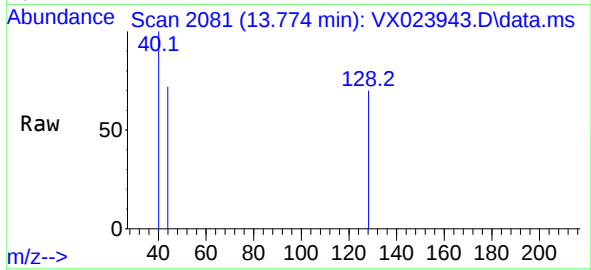
Tgt Ion: 75 Resp: 56299  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#





#95  
Naphthalene  
Concen: 1.297 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.006 min  
Lab File: VX023943.D  
Acq: 25 Aug 2021 17:05

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion:128 Resp: 107  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

