

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030325\  
 Data File : VX045112.D  
 Acq On : 03 Mar 2025 14:54  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 04 05:24:23 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

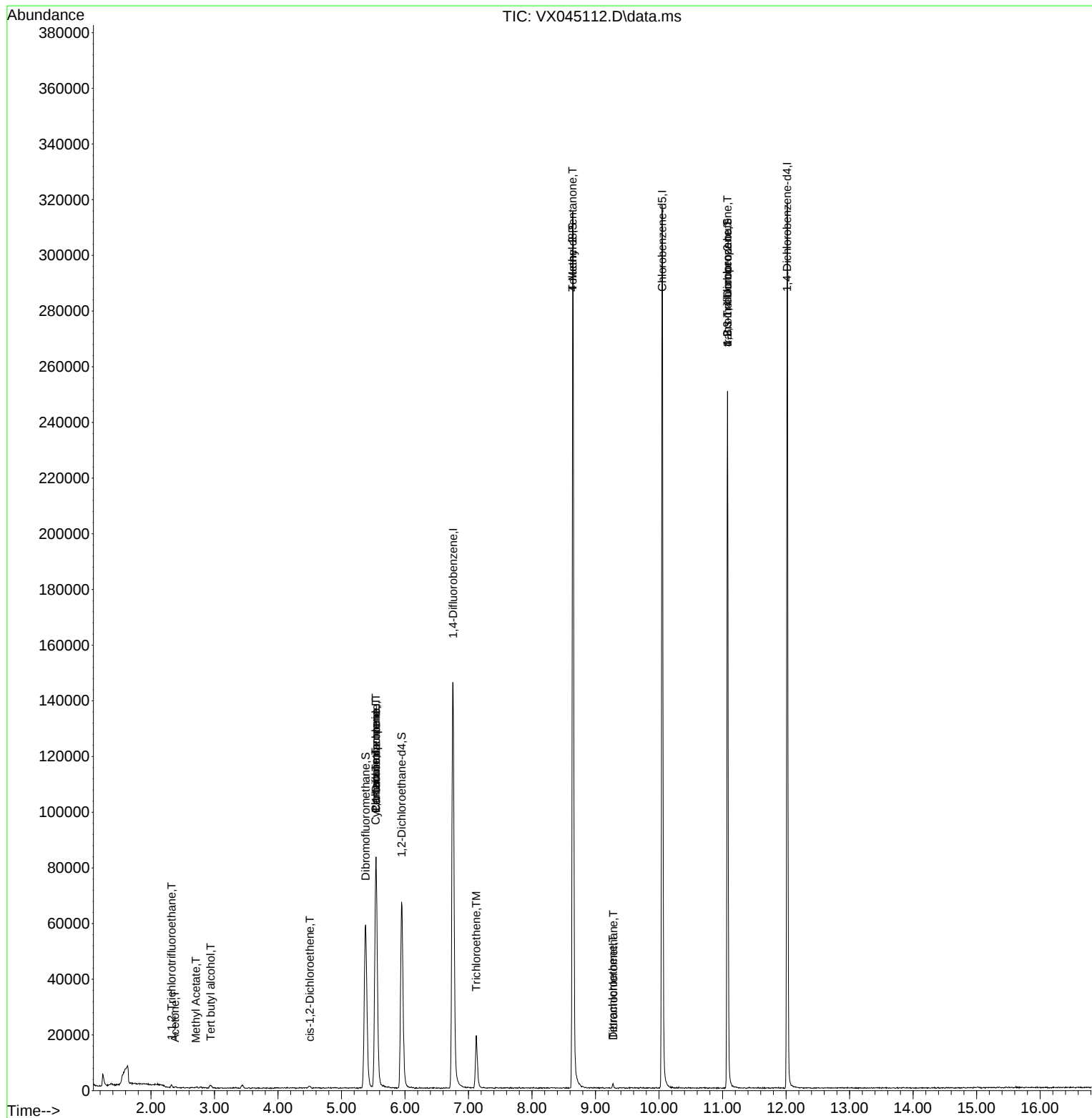
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.544  | 168   | 76526    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 154685   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.049 | 117   | 142310   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 62854    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.946  | 65    | 63105    | 51.842   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 103.680% |          |
| 35) Dibromofluoromethane      | 5.379  | 113   | 52347    | 50.609   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 101.220% |          |
| 50) Toluene-d8                | 8.641  | 98    | 191973   | 51.195   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 102.400% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 66353    | 53.399   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 106.800% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          |            | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo...  | 2.325  | 101   | 343      | 0.386    | ug/l #     | 79       |
| 11) Tert butyl alcohol        | 2.940  | 59    | 548      | 2.377    | ug/l #     | 73       |
| 16) Acetone                   | 2.379  | 43    | 293      | 0.519    | ug/l #     | 44       |
| 18) Methyl Acetate            | 2.709  | 43    | 493      | 0.363    | ug/l #     | 54       |
| 27) cis-1,2-Dichloroethene    | 4.501  | 96    | 525      | 0.458    | ug/l       | 84       |
| 31) Cyclohexane               | 5.537  | 56    | 1973     | 1.191    | ug/l #     | 28       |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 6890     | 4.857    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 8302     | 5.765    | ug/l #     | 16       |
| 44) Trichloroethene           | 7.123  | 130   | 7138     | 6.787    | ug/l       | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.641  | 43    | 1043     | 0.575    | ug/l #     | 1        |
| 60) Dibromochloromethane      | 9.281  | 129   | 250      | 0.221    | ug/l #     | 11       |
| 64) Tetrachloroethene         | 9.275  | 164   | 296      | 0.325    | ug/l #     | 87       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 36628    | 25.037   | ug/l #     | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 36628    | 85.683   | ug/l #     | 6        |
| -----                         |        |       |          |          |            |          |

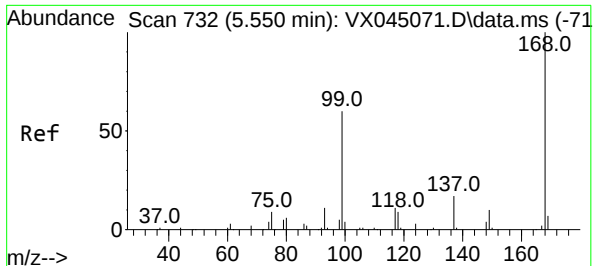
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030325\  
Data File : VX045112.D  
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Operator : JC/MD  
Sample : IBLK  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

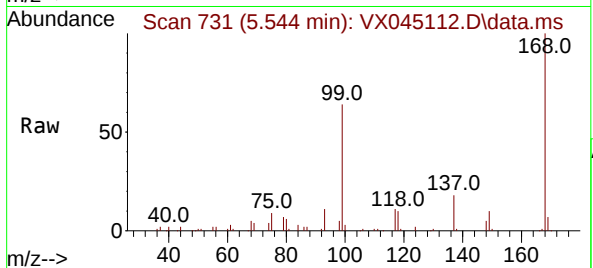
Quant Time: Mar 04 05:24:23 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 28 06:45:16 2025  
Response via : Initial Calibration



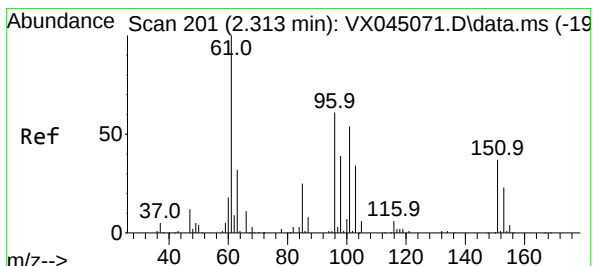
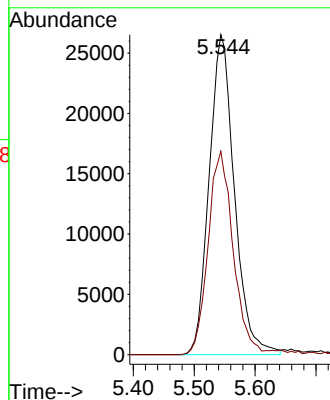
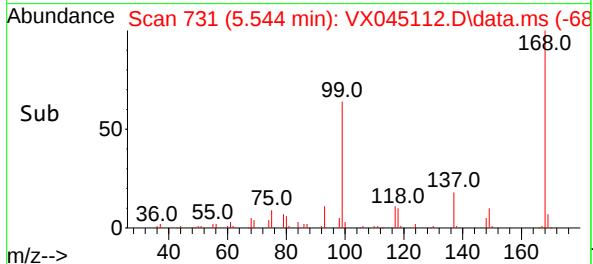


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

Instrument :  
MSVOA\_X  
ClientSampleId :

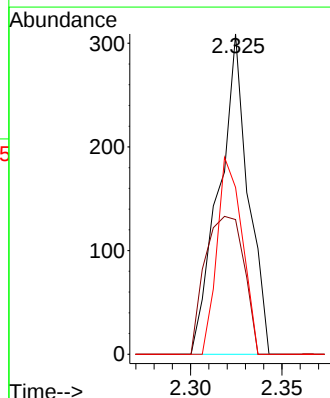
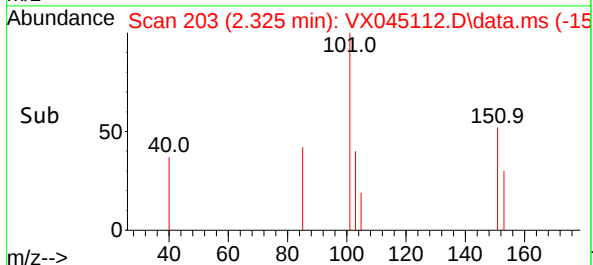
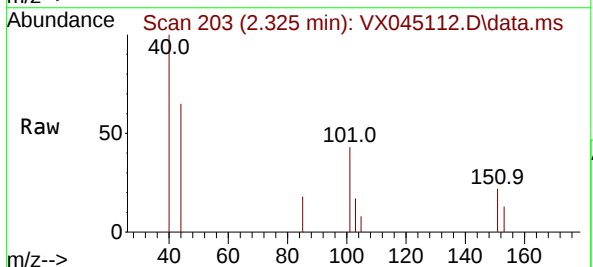


Tgt Ion:168 Resp: 76526  
Ion Ratio Lower Upper  
168 100  
99 63.5 48.2 72.4



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.386 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. 0.012 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

Tgt Ion:101 Resp: 343  
Ion Ratio Lower Upper  
101 100  
85 57.7 36.2 54.4#  
151 52.8 56.4 84.6#





#11

Tert butyl alcohol

Concen: 2.377 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.043 min

Lab File: VX045112.D

Acq: 03 Mar 2025 14:54

Instrument :

MSVOA\_X

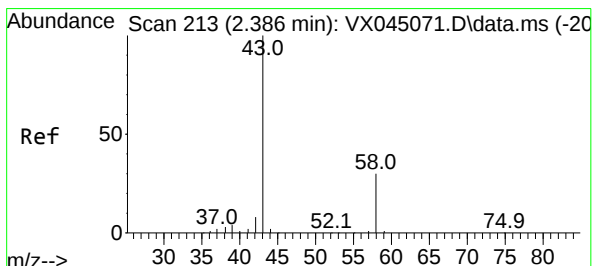
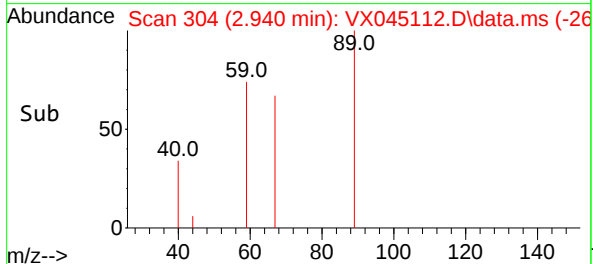
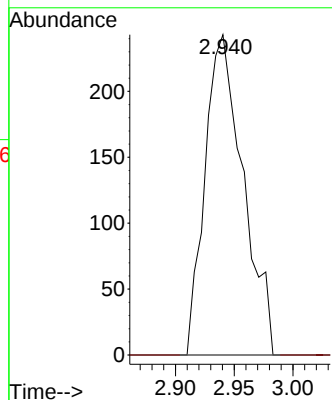
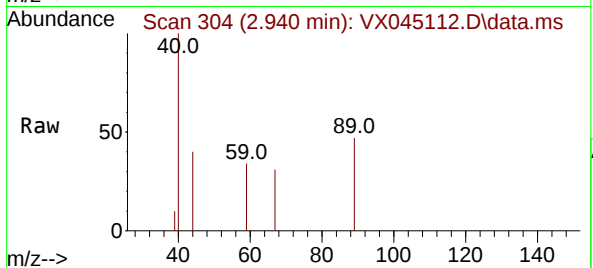
ClientSampleId :

Tgt Ion: 59 Resp: 548

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: 0.519 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045112.D

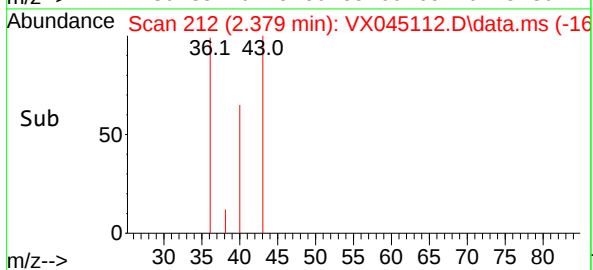
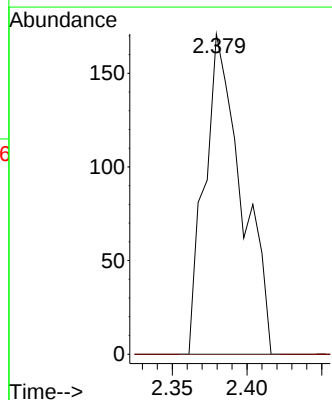
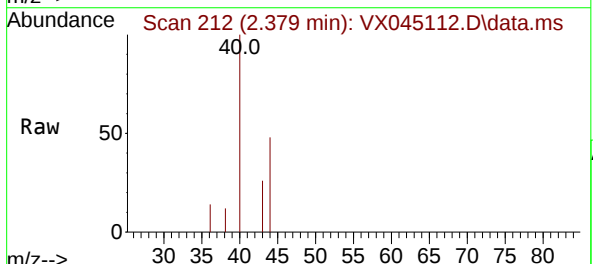
Acq: 03 Mar 2025 14:54

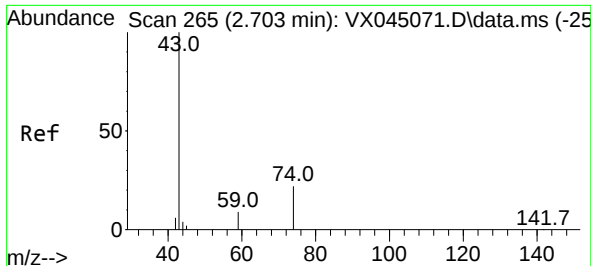
Tgt Ion: 43 Resp: 293

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.4#

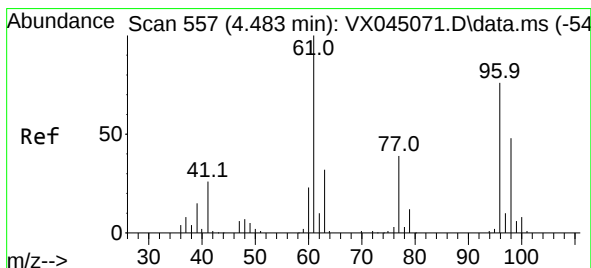
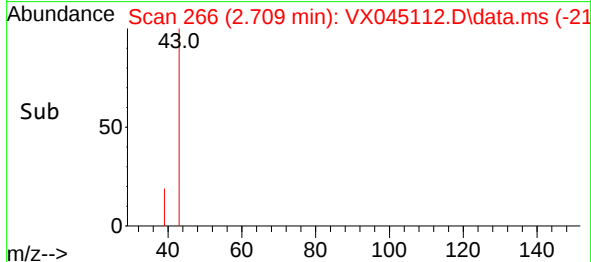
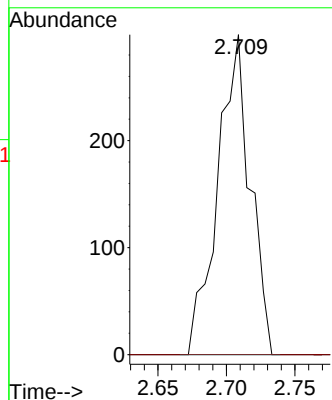
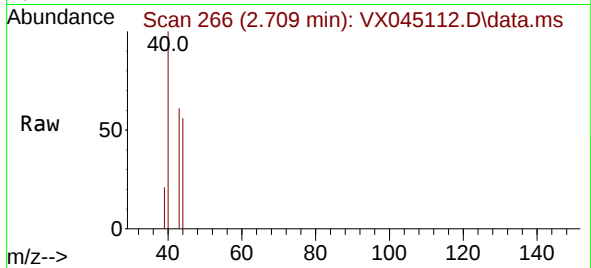




#18  
Methyl Acetate  
Concen: 0.363 ug/l  
RT: 2.709 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

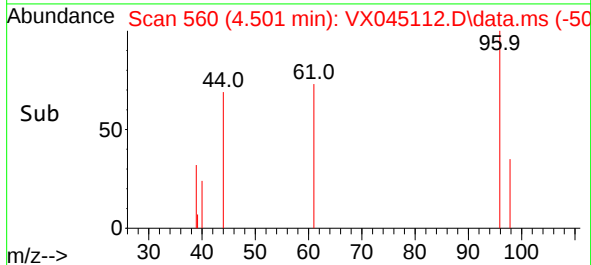
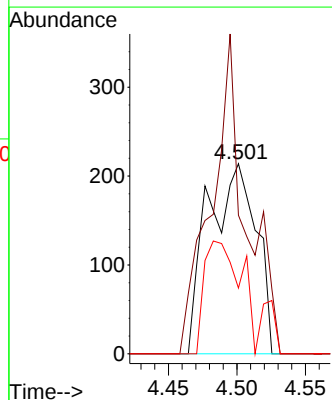
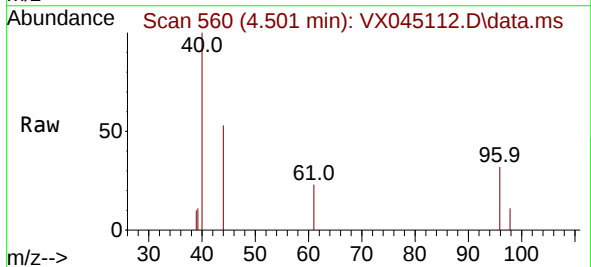
Instrument :  
MSVOA\_X  
ClientSampleId :

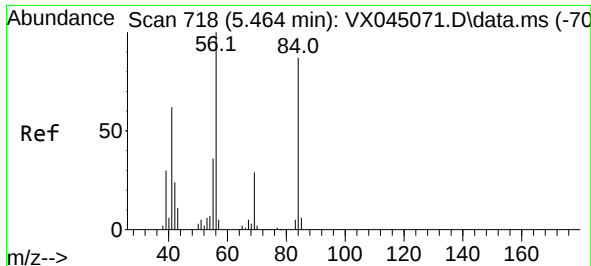
Tgt Ion: 43 Resp: 493  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.4 26.2#



#27  
cis-1,2-Dichloroethene  
Concen: 0.458 ug/l  
RT: 4.501 min Scan# 560  
Delta R.T. 0.018 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

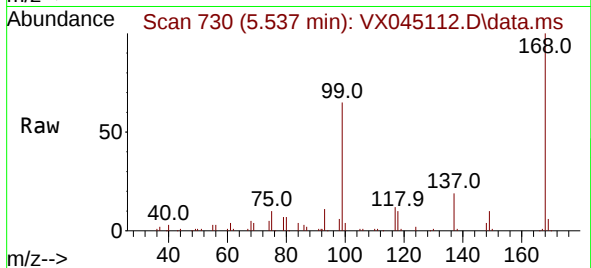
Tgt Ion: 96 Resp: 525  
Ion Ratio Lower Upper  
96 100  
61 120.2 0.0 283.2  
98 53.0 0.0 128.0



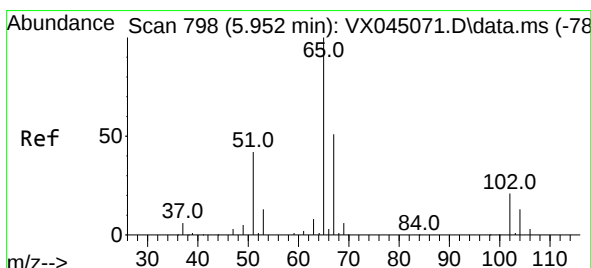
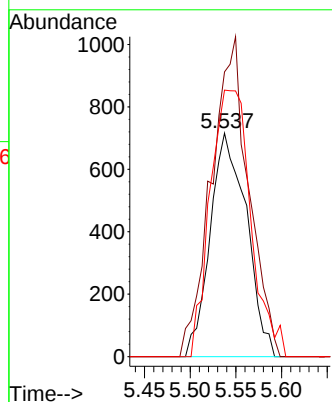
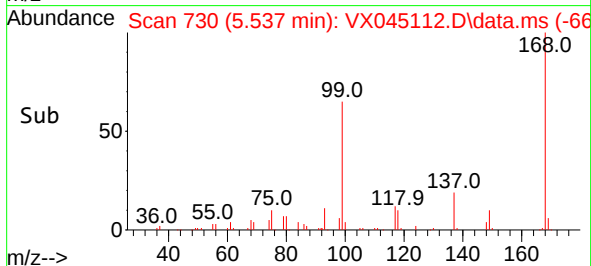


#31  
Cyclohexane  
Concen: 1.191 ug/l  
RT: 5.537 min Scan# 718  
Delta R.T. 0.073 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

Instrument :  
MSVOA\_X  
ClientSampleId :

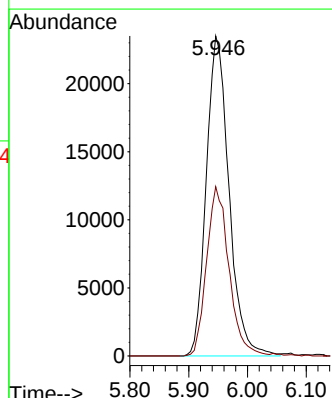
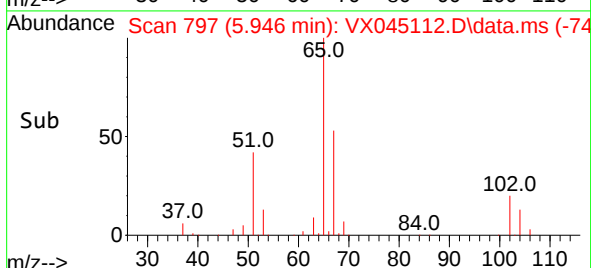
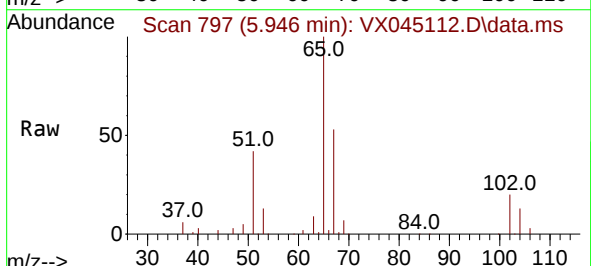


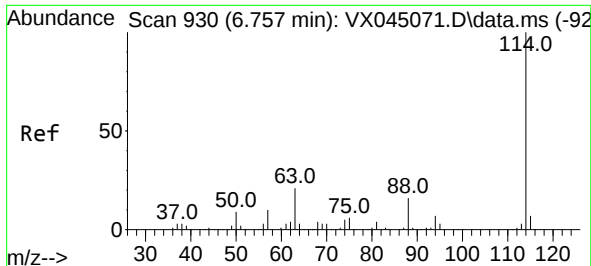
Tgt Ion: 56 Resp: 1973  
Ion Ratio Lower Upper  
56 100  
69 127.4 23.4 35.2#  
84 119.3 69.4 104.2#



#33  
1,2-Dichloroethane-d4  
Concen: 51.842 ug/l  
RT: 5.946 min Scan# 797  
Delta R.T. -0.006 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

Tgt Ion: 65 Resp: 63105  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 106.2

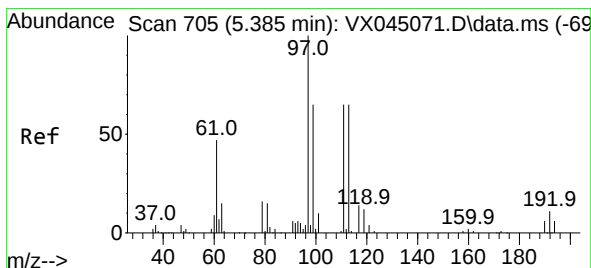
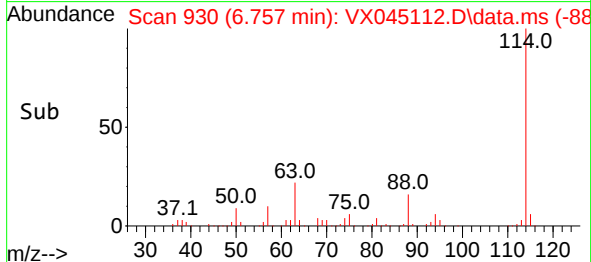
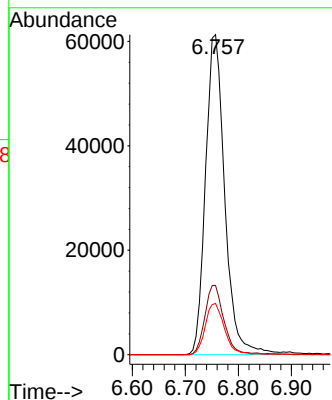
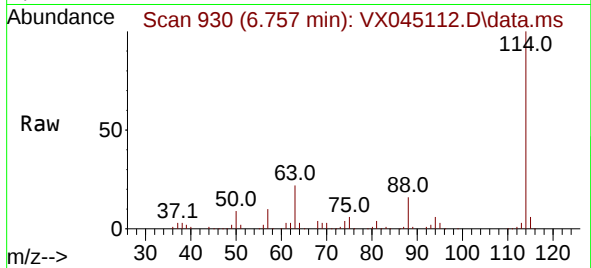




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

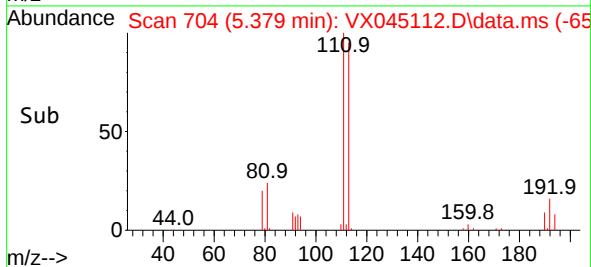
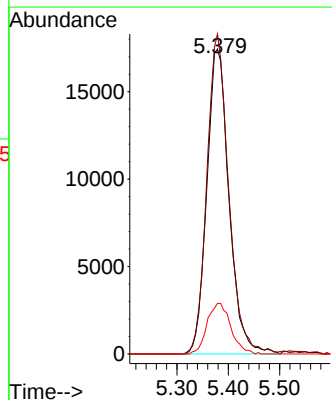
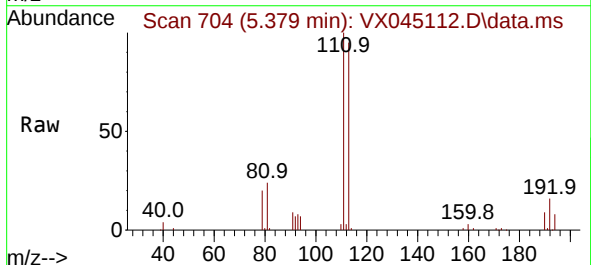
Instrument :  
MSVOA\_X  
ClientSampleId :

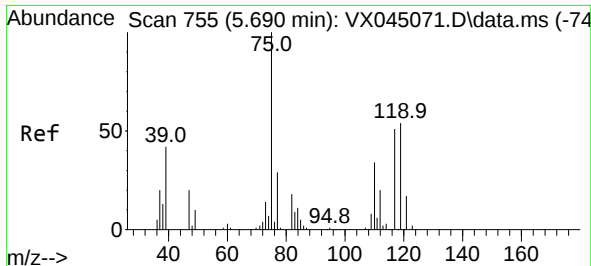
Tgt Ion:114 Resp: 154685  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 41.8  
88 16.0 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 50.609 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

Tgt Ion:113 Resp: 52347  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.8 122.6  
192 17.7 14.3 21.5

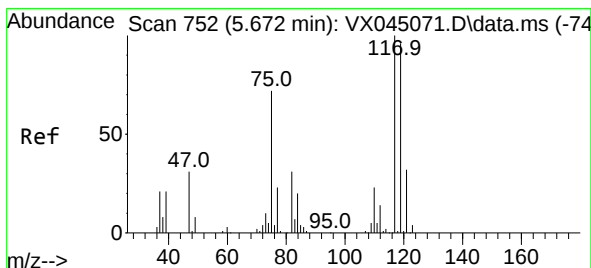
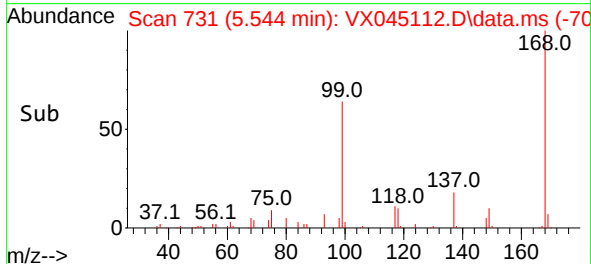
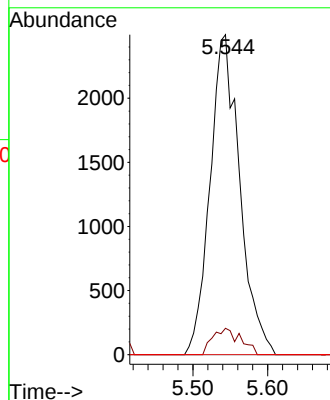
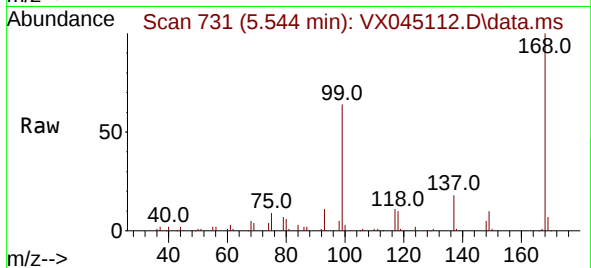




#36  
1,1-Dichloropropene  
Concen: 4.857 ug/l  
RT: 5.544 min Scan# 711  
Delta R.T. -0.147 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

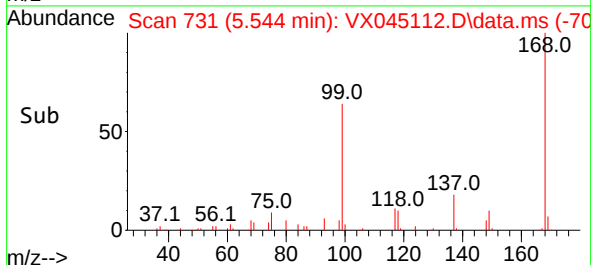
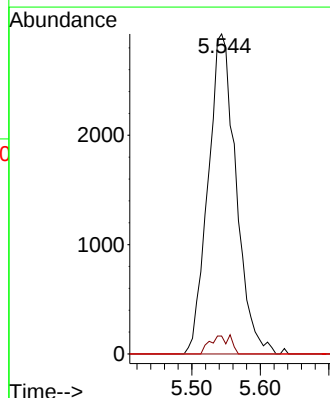
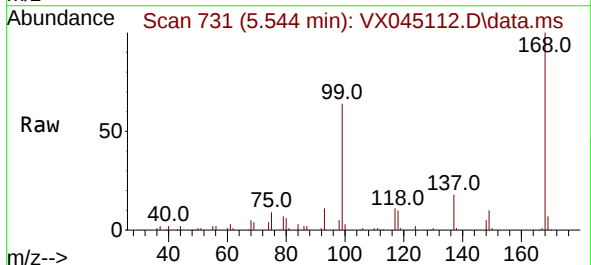
Instrument :  
MSVOA\_X  
ClientSampleId :

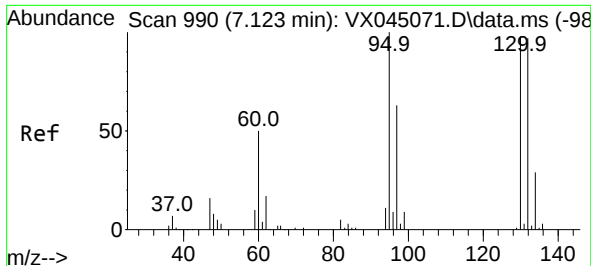
Tgt Ion: 75 Resp: 6890  
Ion Ratio Lower Upper  
75 100  
110 7.7 16.9 50.6#  
77 0.0 24.5 36.7#



#38  
Carbon Tetrachloride  
Concen: 5.765 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.128 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

Tgt Ion: 117 Resp: 8302  
Ion Ratio Lower Upper  
117 100  
119 5.6 76.7 115.1#  
121 0.0 25.5 38.3#

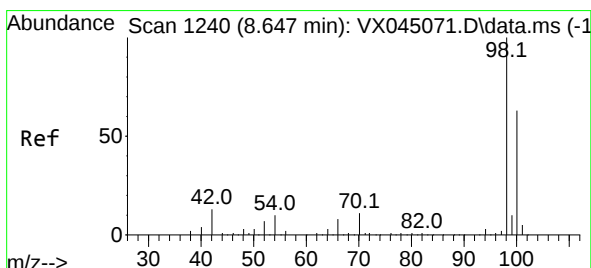
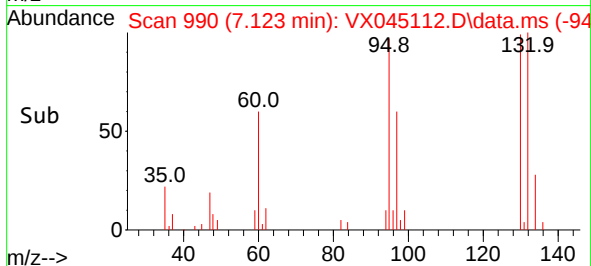
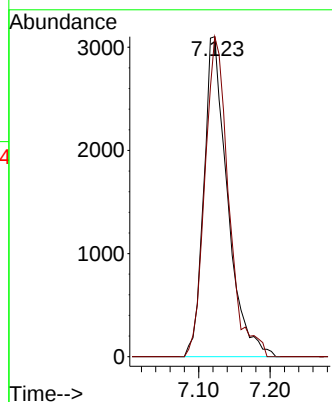
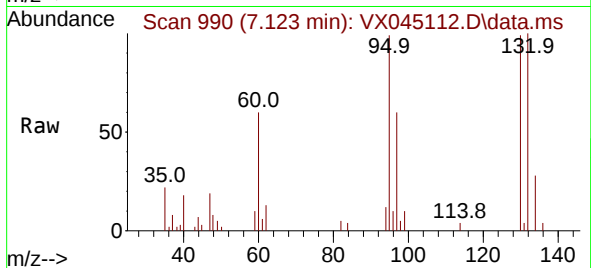




#44  
Trichloroethene  
Concen: 6.787 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

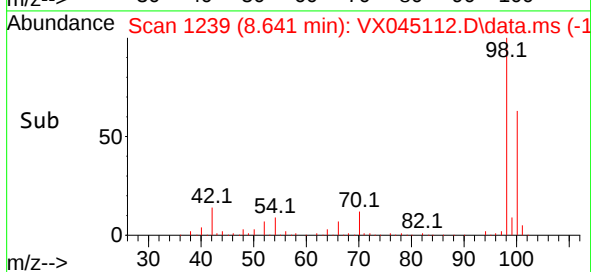
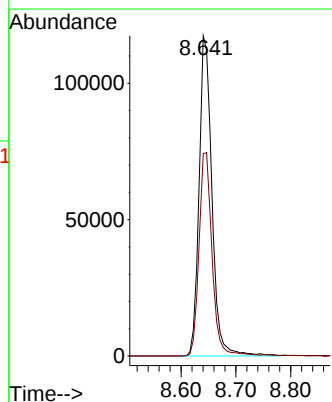
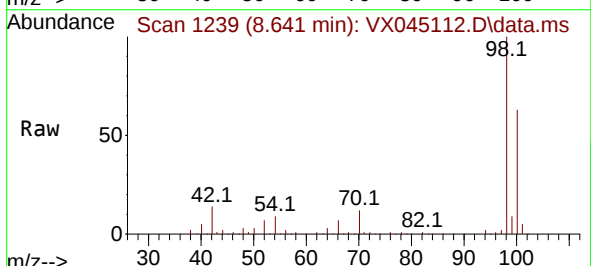
Instrument :  
MSVOA\_X  
ClientSampleId :

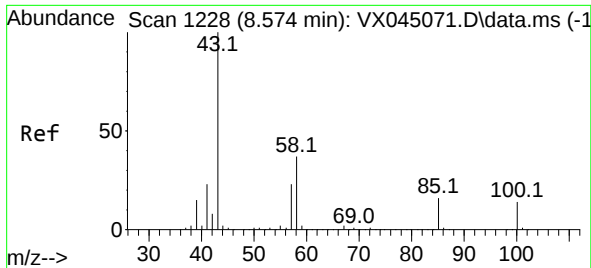
Tgt Ion:130 Resp: 7138  
Ion Ratio Lower Upper  
130 100  
95 100.0 0.0 205.0



#50  
Toluene-d8  
Concen: 51.195 ug/l  
RT: 8.641 min Scan# 1239  
Delta R.T. -0.006 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

Tgt Ion: 98 Resp: 191973  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.0 78.0

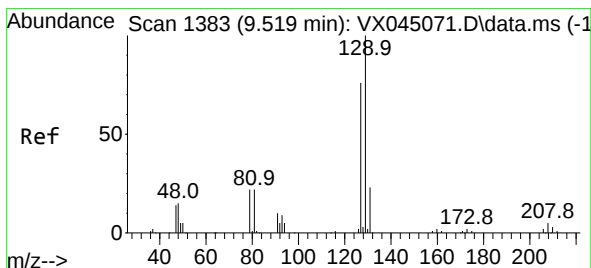
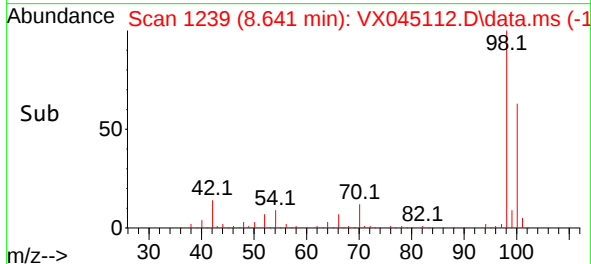
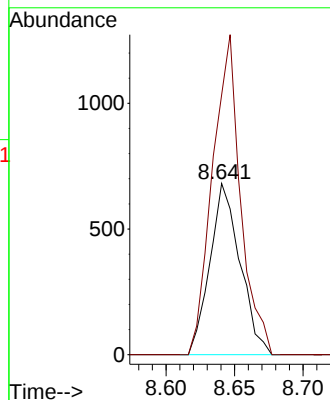
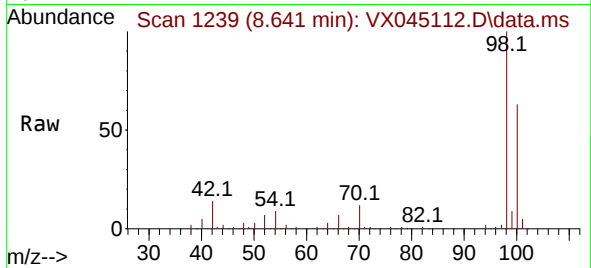




#51  
4-Methyl-2-Pentanone  
Concen: 0.575 ug/l  
RT: 8.641 min Scan# 11  
Delta R.T. 0.067 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

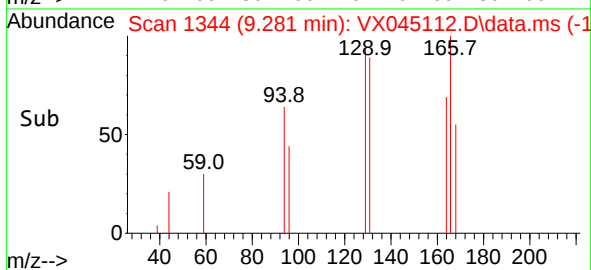
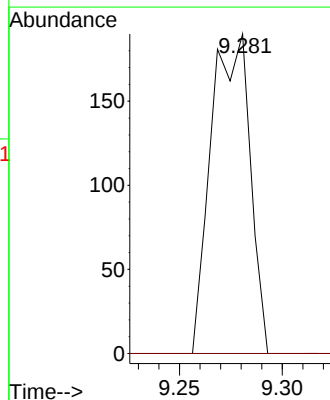
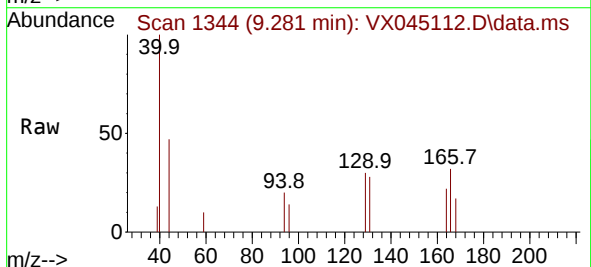
Instrument :  
MSVOA\_X  
ClientSampleId :

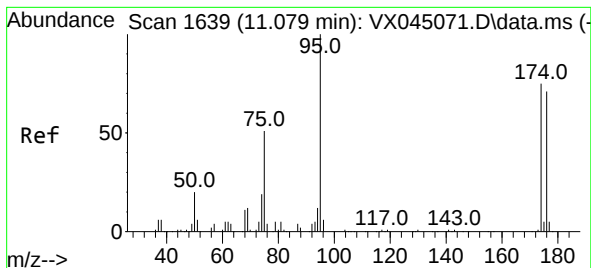
Tgt Ion: 43 Resp: 1043  
Ion Ratio Lower Upper  
43 100  
58 174.1 29.2 43.8#



#60  
Dibromochloromethane  
Concen: 0.221 ug/l  
RT: 9.281 min Scan# 1344  
Delta R.T. -0.238 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

Tgt Ion: 129 Resp: 250  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.5#

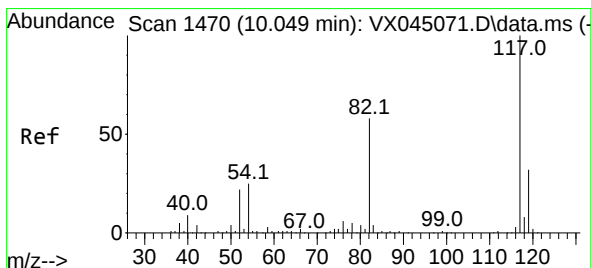
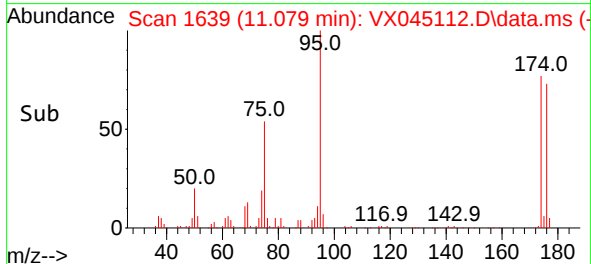
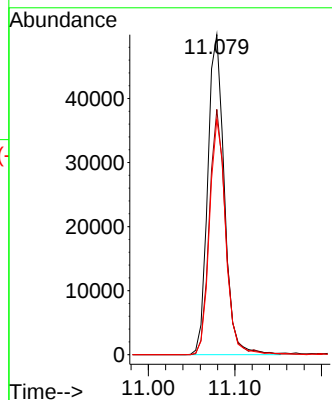
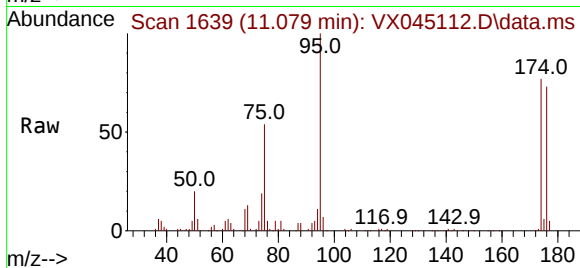




#62  
4-Bromofluorobenzene  
Concen: 53.399 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

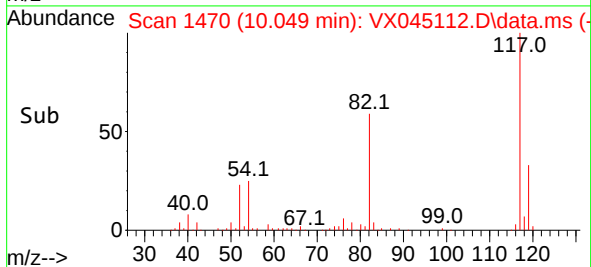
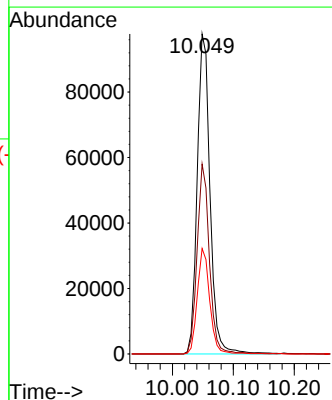
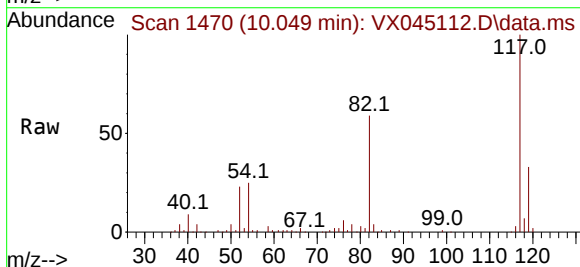
Instrument :  
MSVOA\_X  
ClientSampleId :

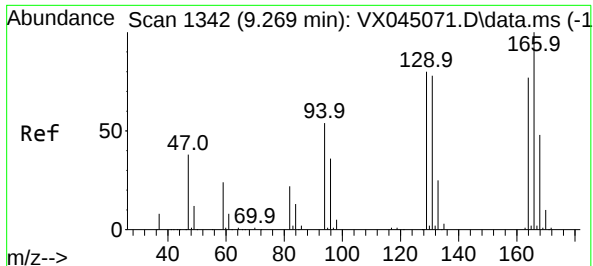
Tgt Ion: 95 Resp: 66353  
Ion Ratio Lower Upper  
95 100  
174 75.4 0.0 148.2  
176 72.6 0.0 141.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

Tgt Ion: 117 Resp: 142310  
Ion Ratio Lower Upper  
117 100  
82 59.3 46.3 69.5  
119 33.0 25.7 38.5

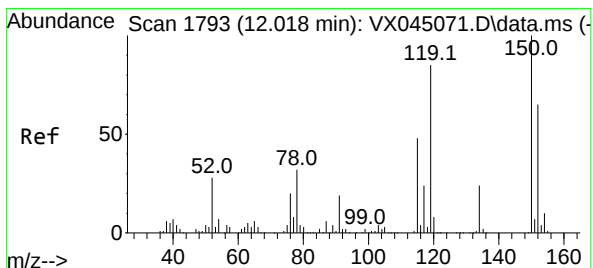
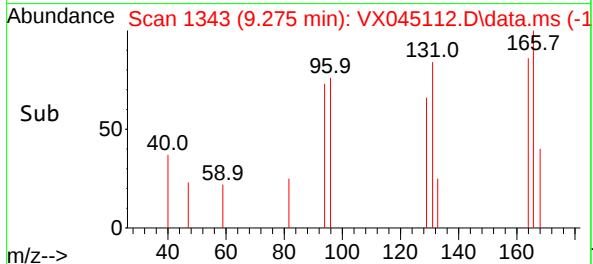
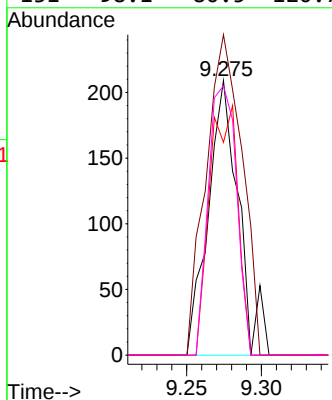
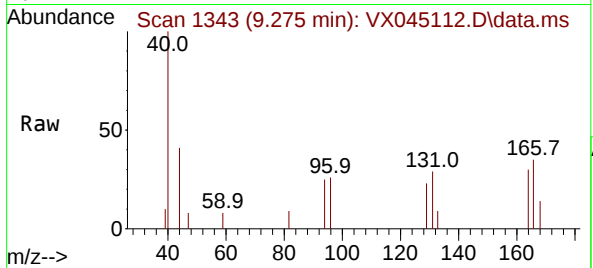




#64  
Tetrachloroethene  
Concen: 0.325 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

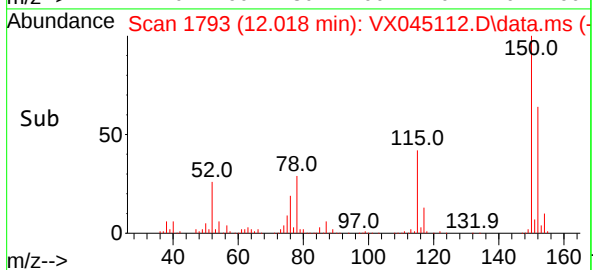
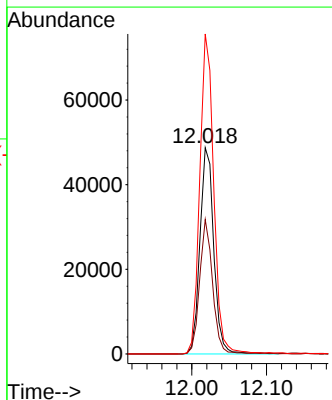
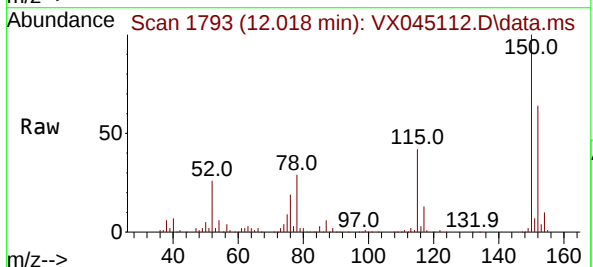
Instrument :  
MSVOA\_X  
ClientSampleId :

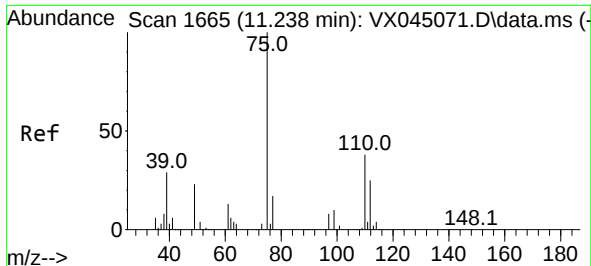
Tgt Ion:164 Resp: 296  
Ion Ratio Lower Upper  
164 100  
166 116.7 103.6 155.4  
129 77.5 82.7 124.1#  
131 98.1 80.5 120.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

Tgt Ion:152 Resp: 62854  
Ion Ratio Lower Upper  
152 100  
115 60.8 44.2 132.6  
150 155.5 0.0 349.0

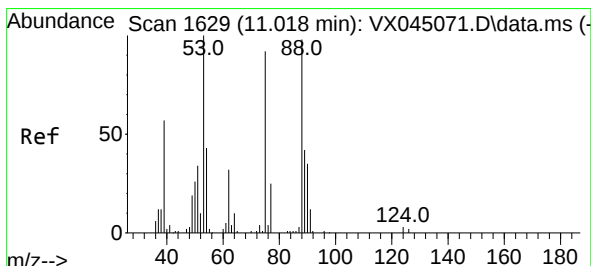
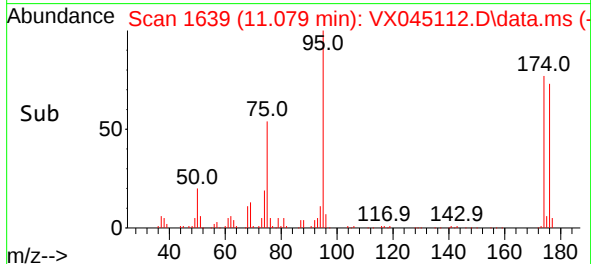
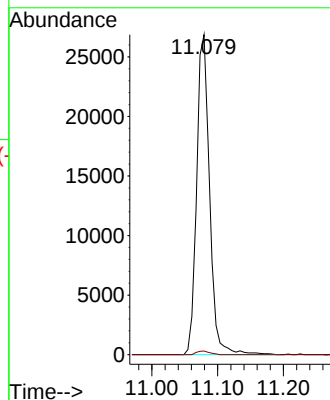
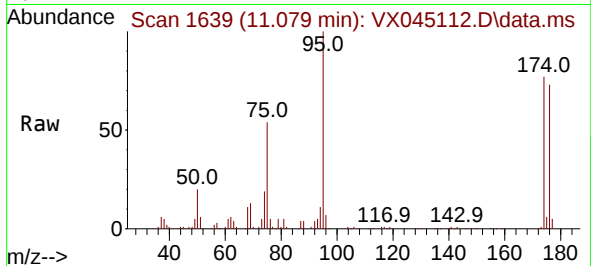




#76  
1,2,3-Trichloropropane  
Concen: 25.037 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 36628  
Ion Ratio Lower Upper  
75 100  
77 1.2 20.7 62.1#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 85.683 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX045112.D  
Acq: 03 Mar 2025 14:54

Tgt Ion: 75 Resp: 36628  
Ion Ratio Lower Upper  
75 100  
53 0.0 88.5 132.7#  
89 0.0 36.2 54.4#

