

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032125\  
 Data File : VX045392.D  
 Acq On : 21 Mar 2025 16:48  
 Operator : JC/MD  
 Sample : Q1582-14  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT191D2-20250314

Quant Time: Mar 21 23:18:01 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

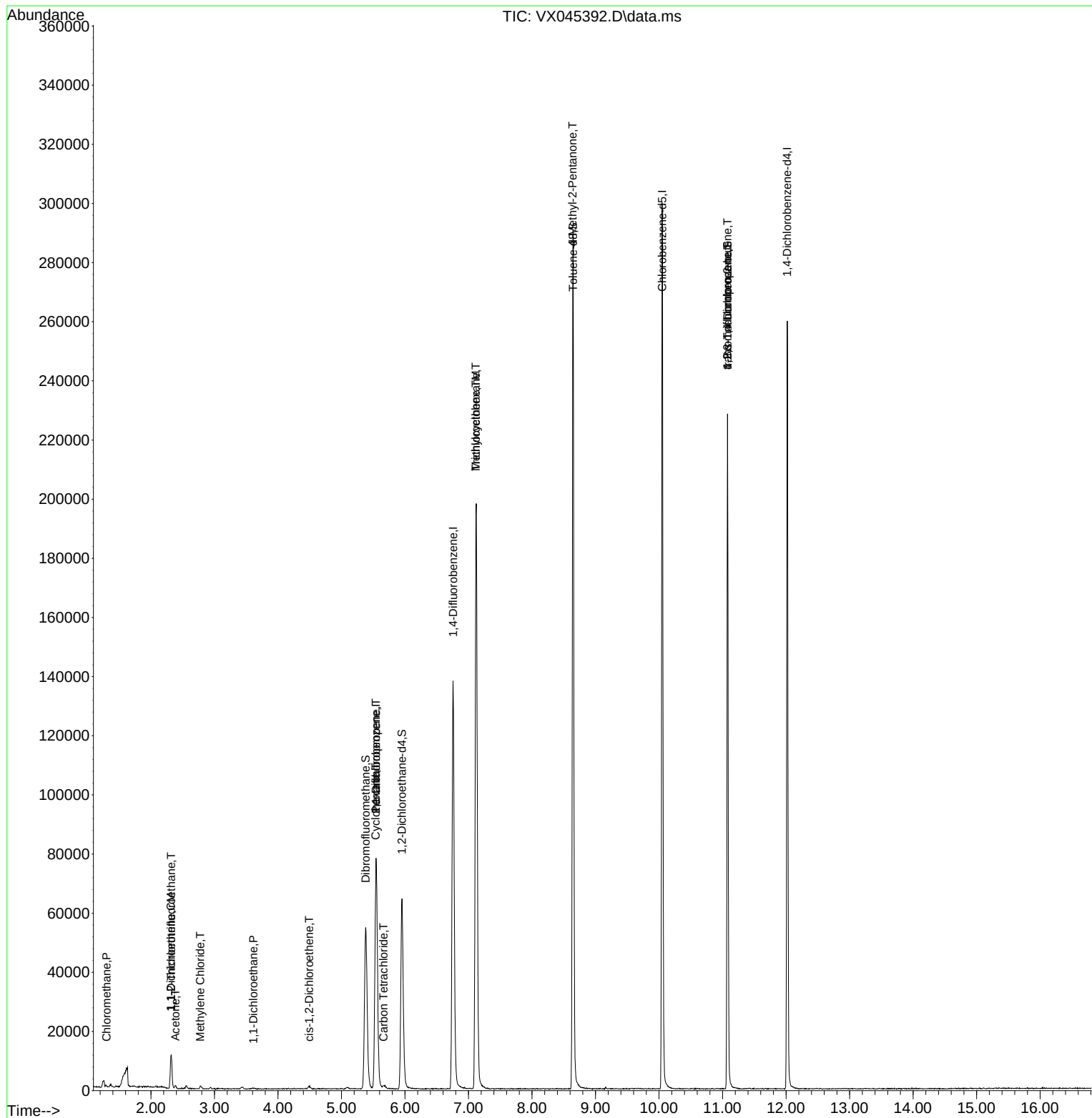
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.544  | 168   | 68899    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 133744   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.049 | 117   | 124586   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 49466    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 62685    | 57.197   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 114.400% |          |
| 35) Dibromofluoromethane      | 5.379  | 113   | 47590    | 53.214   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 106.420% |          |
| 50) Toluene-d8                | 8.647  | 98    | 168628   | 52.011   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 104.020% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 57830    | 53.827   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 107.660% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 3) Chloromethane              | 1.301  | 50    | 500      | 0.471    | ug/l       | 97       |
| 9) 1,1,2-Trichlorotrifluo...  | 2.319  | 101   | 3834     | 4.788    | ug/l       | 97       |
| 12) 1,1-Dichloroethene        | 2.313  | 96    | 832      | 0.983    | ug/l       | 80       |
| 16) Acetone                   | 2.386  | 43    | 1159     | 2.279    | ug/l #     | 85       |
| 20) Methylene Chloride        | 2.776  | 84    | 518      | 0.514    | ug/l #     | 87       |
| 24) 1,1-Dichloroethane        | 3.611  | 63    | 470      | 0.274    | ug/l #     | 83       |
| 27) cis-1,2-Dichloroethene    | 4.489  | 96    | 517      | 0.501    | ug/l       | 96       |
| 31) Cyclohexane               | 5.538  | 56    | 1873     | 1.256    | ug/l #     | 27       |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 6507     | 5.306    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 5.660  | 117   | 552      | 0.443    | ug/l #     | 48       |
| 39) Methylcyclohexane         | 7.117  | 83    | 1072     | 0.729    | ug/l #     | 1        |
| 44) Trichloroethene           | 7.117  | 130   | 73391    | 80.704   | ug/l       | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.641  | 43    | 895      | 0.570    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 33025    | 28.684   | ug/l #     | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 33025    | 98.163   | ug/l #     | 6        |
| -----                         |        |       |          |          |            |          |

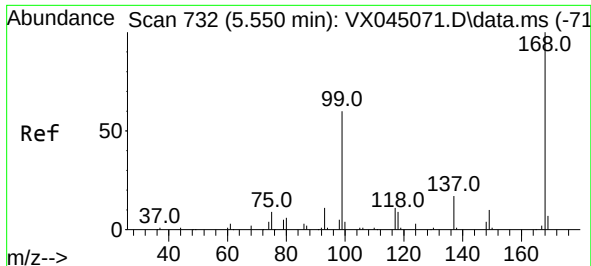
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032125\  
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Sample : Q1582-14  
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ALS Vial : 19 Sample Multiplier: 1

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MSVOA\_X  
ClientSampleId :  
TT191D2-20250314

Quant Time: Mar 21 23:18:01 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

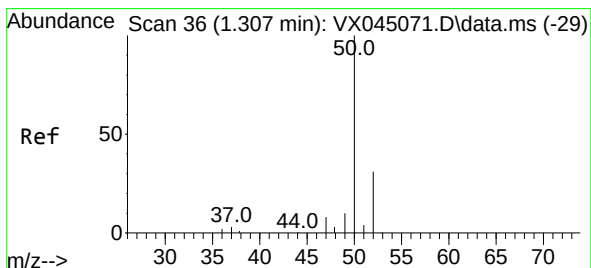
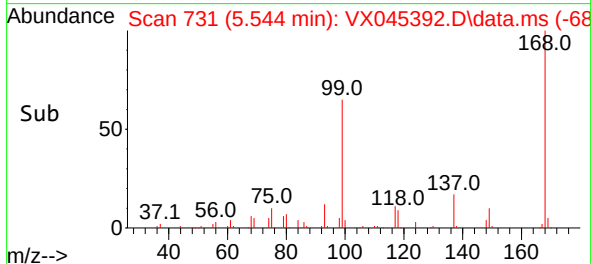
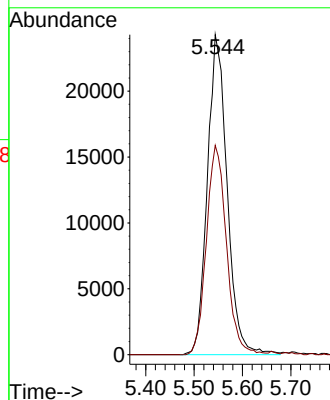
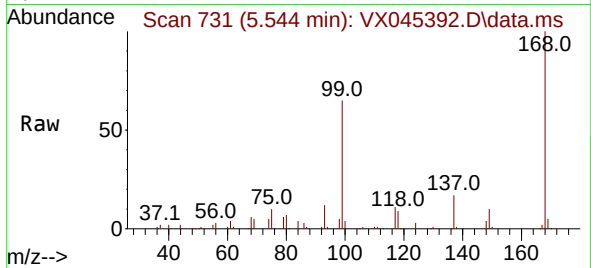




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX045392.D  
Acq: 21 Mar 2025 16:48

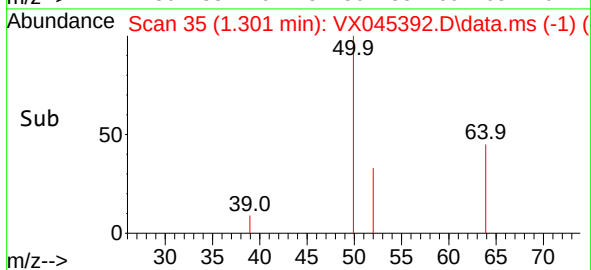
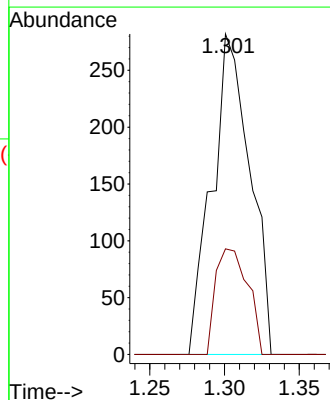
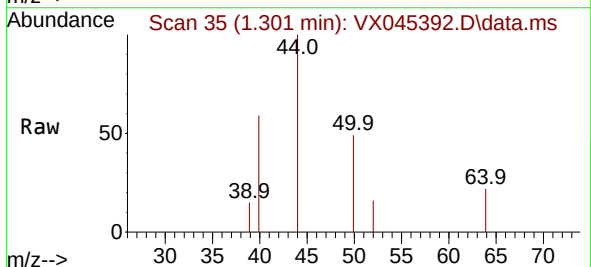
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT191D2-20250314

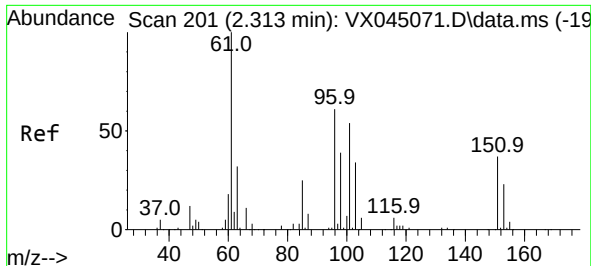
Tgt Ion:168 Resp: 68899  
Ion Ratio Lower Upper  
168 100  
99 65.4 48.2 72.4



#3  
Chloromethane  
Concen: 0.471 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. -0.006 min  
Lab File: VX045392.D  
Acq: 21 Mar 2025 16:48

Tgt Ion: 50 Resp: 500  
Ion Ratio Lower Upper  
50 100  
52 33.0 25.0 37.4

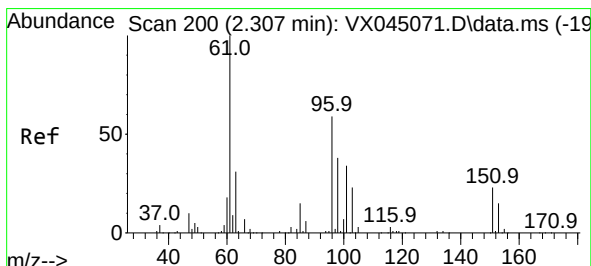
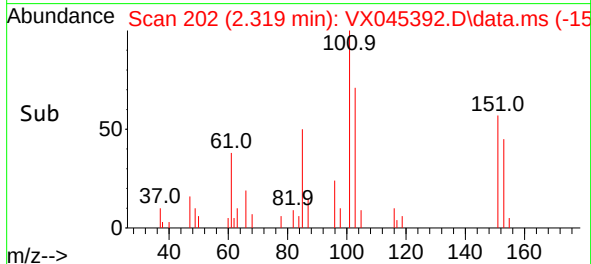
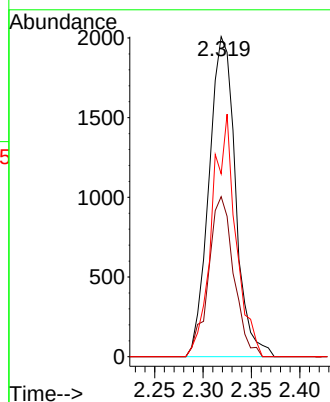
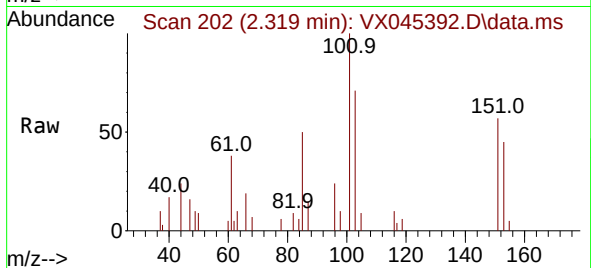




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 4.788 ug/l  
 RT: 2.319 min Scan# 201  
 Delta R.T. 0.006 min  
 Lab File: VX045392.D  
 Acq: 21 Mar 2025 16:48

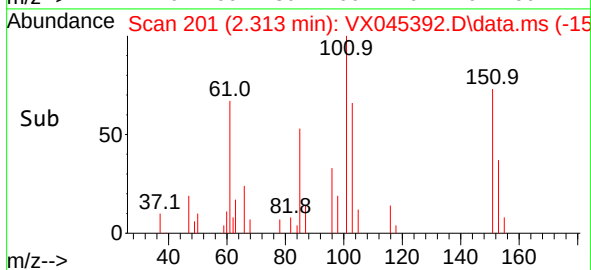
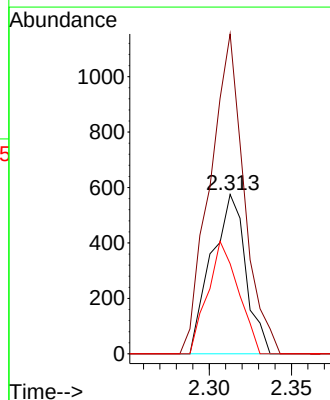
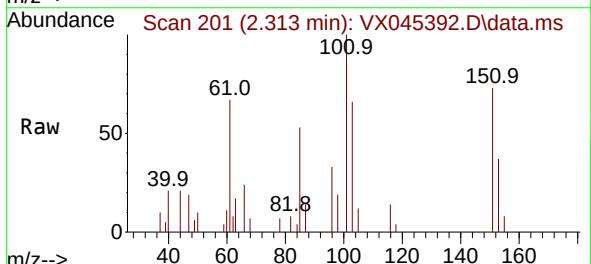
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT191D2-20250314

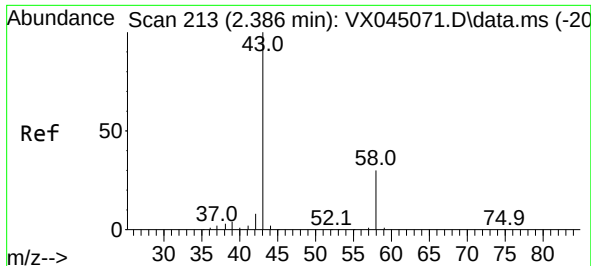
Tgt Ion:101 Resp: 3834  
 Ion Ratio Lower Upper  
 101 100  
 85 47.6 36.2 54.4  
 151 68.1 56.4 84.6



#12  
 1,1-Dichloroethene  
 Concen: 0.983 ug/l  
 RT: 2.313 min Scan# 201  
 Delta R.T. 0.006 min  
 Lab File: VX045392.D  
 Acq: 21 Mar 2025 16:48

Tgt Ion: 96 Resp: 832  
 Ion Ratio Lower Upper  
 96 100  
 61 200.7 134.6 202.0  
 98 56.5 51.0 76.6

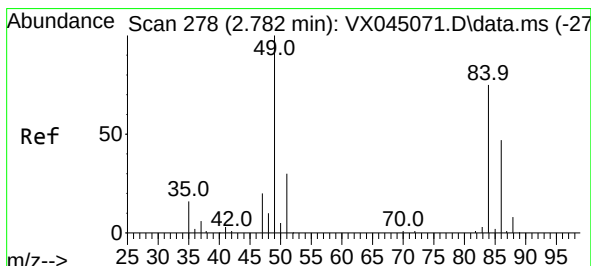
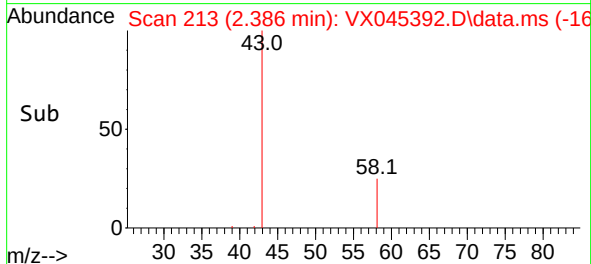
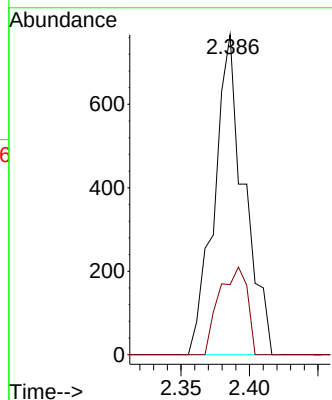
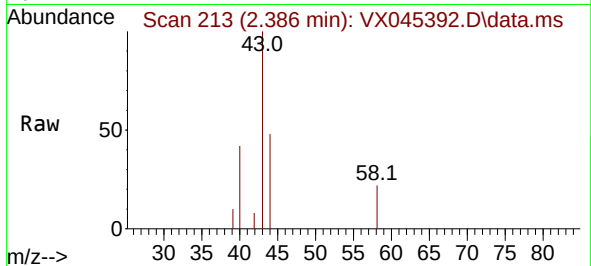




#16  
Acetone  
Concen: 2.279 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VX045392.D  
Acq: 21 Mar 2025 16:48

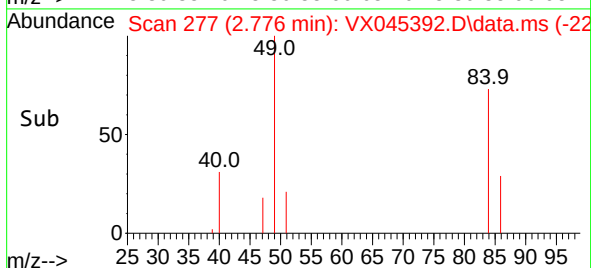
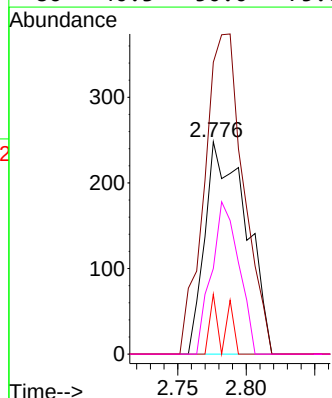
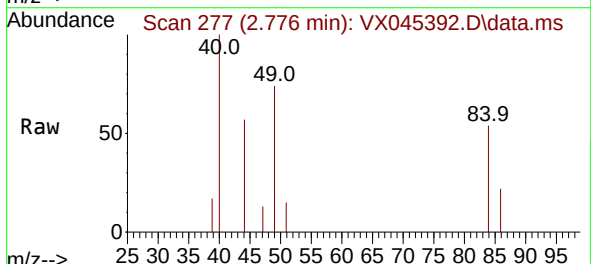
Instrument :  
MSVOA\_X  
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TT191D2-20250314

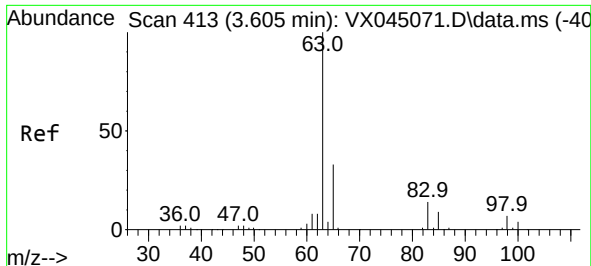
Tgt Ion: 43 Resp: 1159  
Ion Ratio Lower Upper  
43 100  
58 21.9 24.2 36.4#



#20  
Methylene Chloride  
Concen: 0.514 ug/l  
RT: 2.776 min Scan# 277  
Delta R.T. -0.006 min  
Lab File: VX045392.D  
Acq: 21 Mar 2025 16:48

Tgt Ion: 84 Resp: 518  
Ion Ratio Lower Upper  
84 100  
49 137.5 106.5 159.7  
51 28.2 32.1 48.1#  
86 40.3 50.0 75.0#

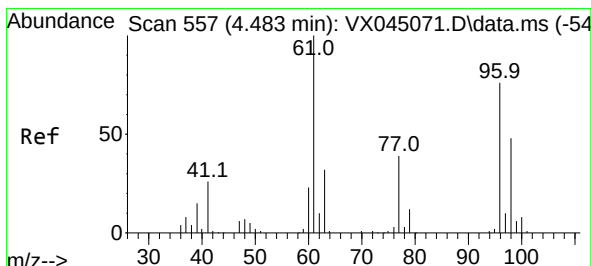
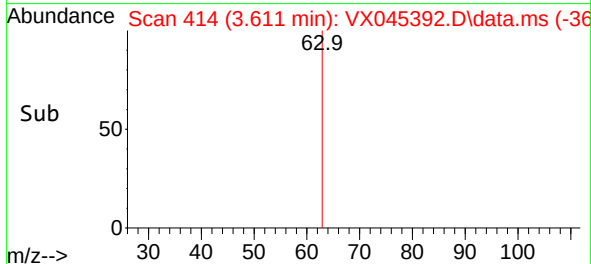
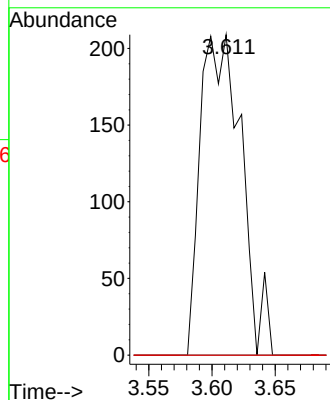
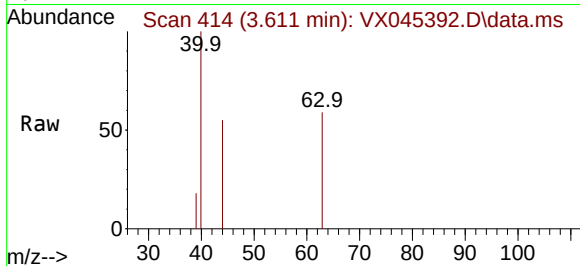




#24  
 1,1-Dichloroethane  
 Concen: 0.274 ug/l  
 RT: 3.611 min Scan# 413  
 Delta R.T. 0.006 min  
 Lab File: VX045392.D  
 Acq: 21 Mar 2025 16:48

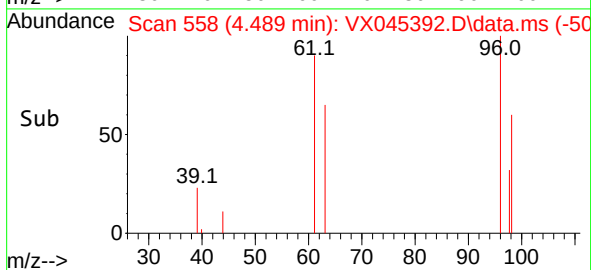
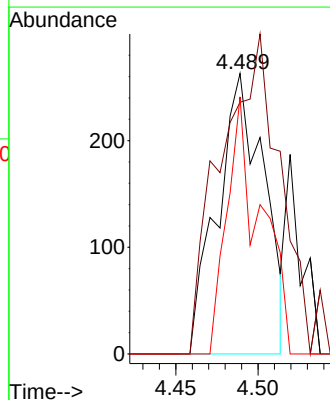
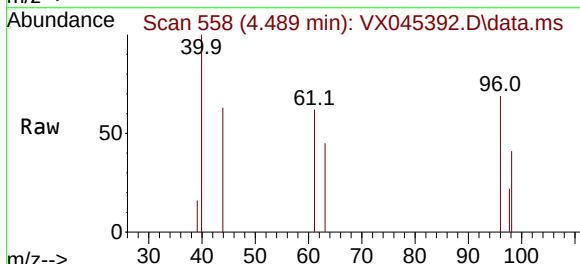
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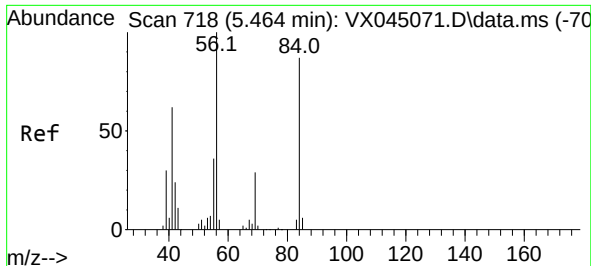
Tgt Ion: 63 Resp: 470  
 Ion Ratio Lower Upper  
 63 100  
 98 0.0 3.4 10.2#  
 100 0.0 2.1 6.5#



#27  
 cis-1,2-Dichloroethene  
 Concen: 0.501 ug/l  
 RT: 4.489 min Scan# 558  
 Delta R.T. 0.006 min  
 Lab File: VX045392.D  
 Acq: 21 Mar 2025 16:48

Tgt Ion: 96 Resp: 517  
 Ion Ratio Lower Upper  
 96 100  
 61 147.4 0.0 283.2  
 98 67.1 0.0 128.0

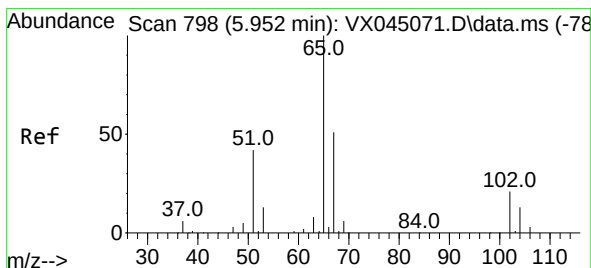
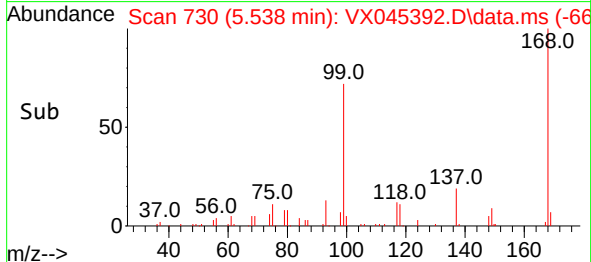
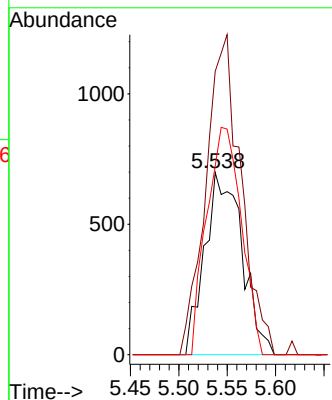
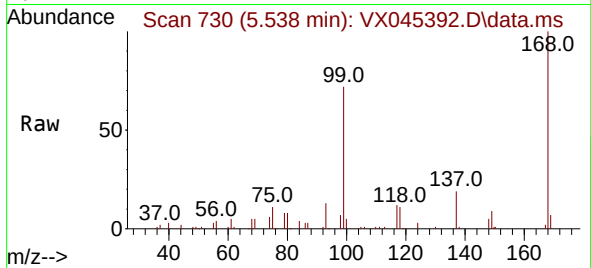




#31  
Cyclohexane  
Concen: 1.256 ug/l  
RT: 5.538 min Scan# 718  
Delta R.T. 0.073 min  
Lab File: VX045392.D  
Acq: 21 Mar 2025 16:48

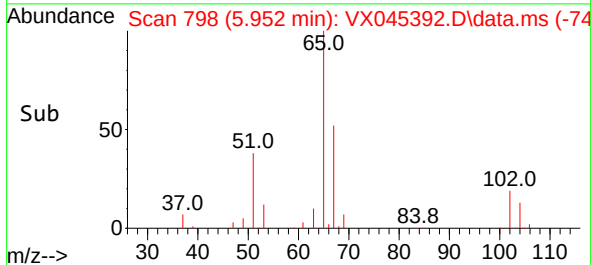
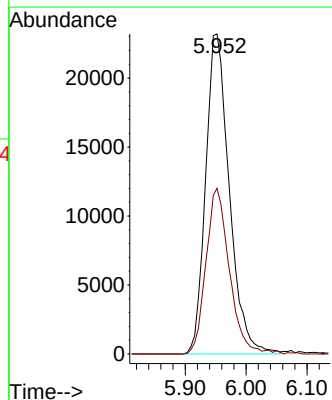
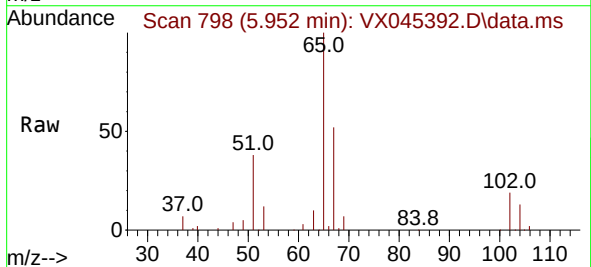
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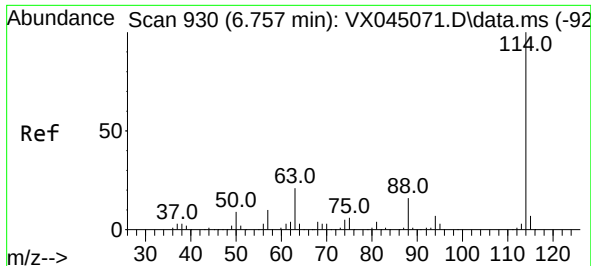
Tgt Ion: 56 Resp: 1873  
Ion Ratio Lower Upper  
56 100  
69 155.7 23.4 35.2#  
84 103.7 69.4 104.2



#33  
1,2-Dichloroethane-d4  
Concen: 57.197 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX045392.D  
Acq: 21 Mar 2025 16:48

Tgt Ion: 65 Resp: 62685  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 106.2

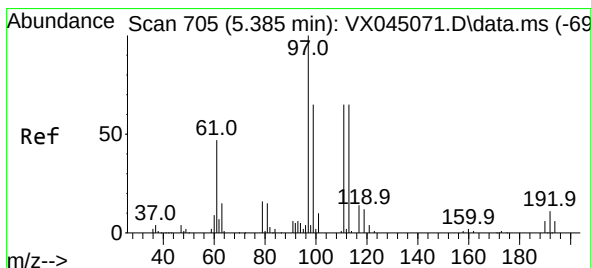
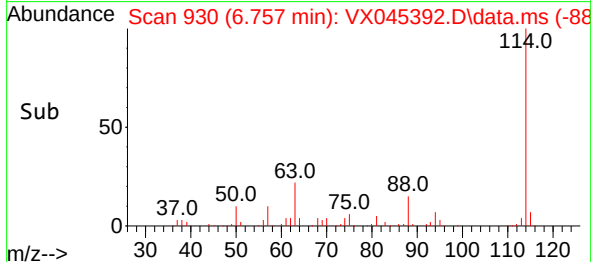
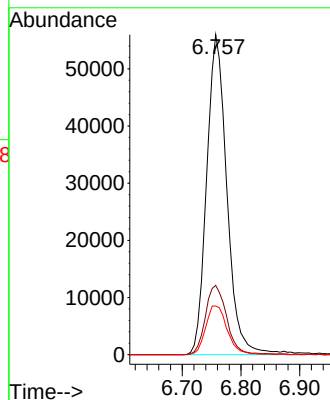
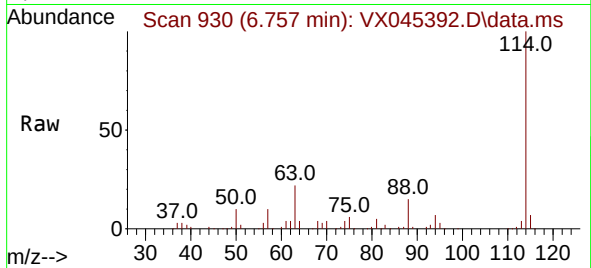




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX045392.D  
Acq: 21 Mar 2025 16:48

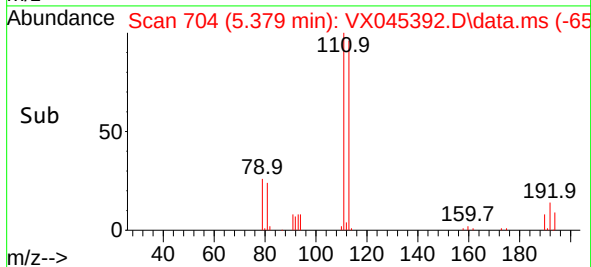
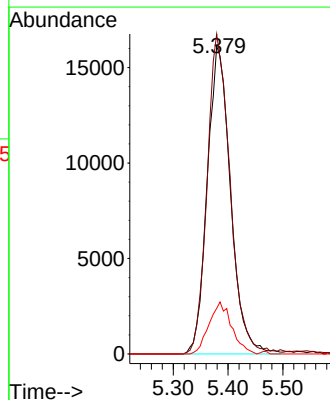
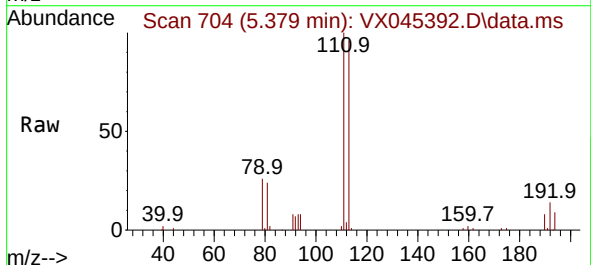
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Tgt Ion:114 Resp: 133744  
Ion Ratio Lower Upper  
114 100  
63 21.6 0.0 41.8  
88 15.2 0.0 32.8

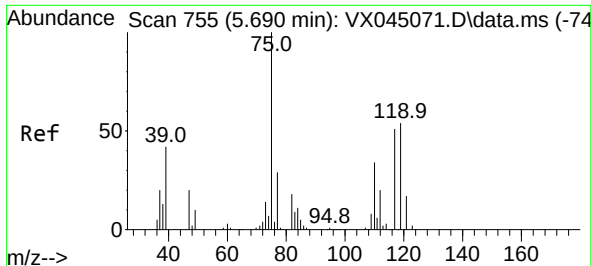


#35  
Dibromofluoromethane  
Concen: 53.214 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX045392.D  
Acq: 21 Mar 2025 16:48

Tgt Ion:113 Resp: 47590  
Ion Ratio Lower Upper  
113 100  
111 102.3 81.8 122.6  
192 16.4 14.3 21.5



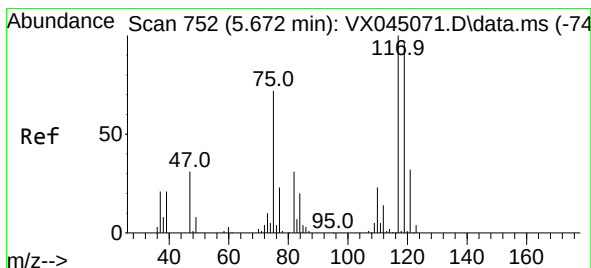
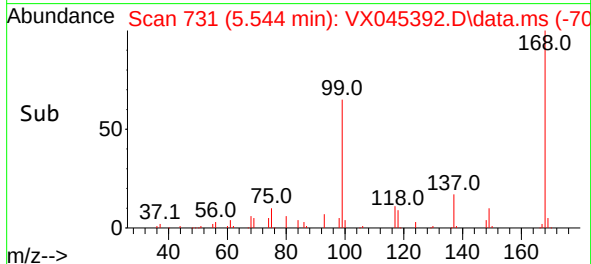
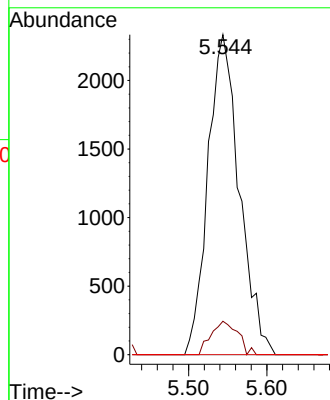
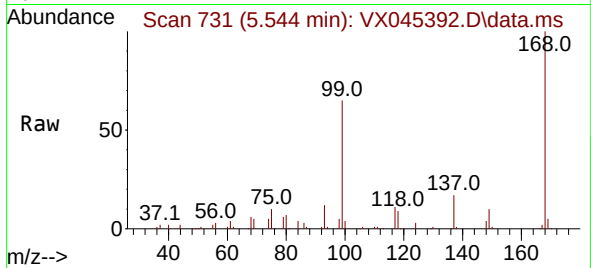




#36  
1,1-Dichloropropene  
Concen: 5.306 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.146 min  
Lab File: VX045392.D  
Acq: 21 Mar 2025 16:48

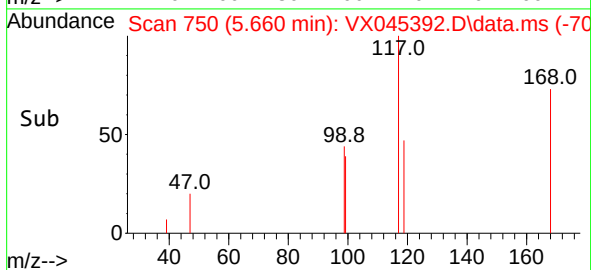
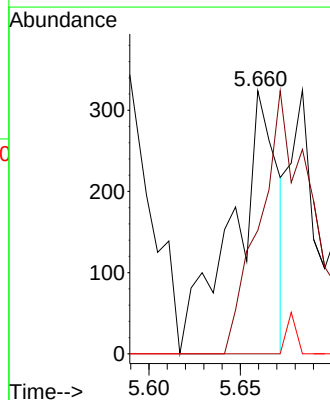
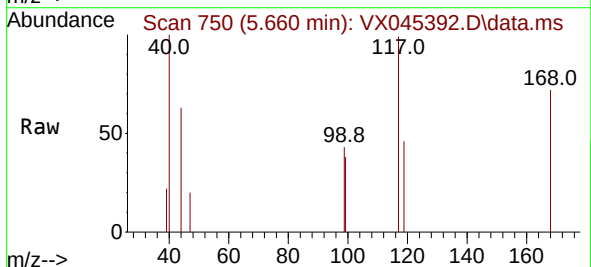
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT191D2-20250314

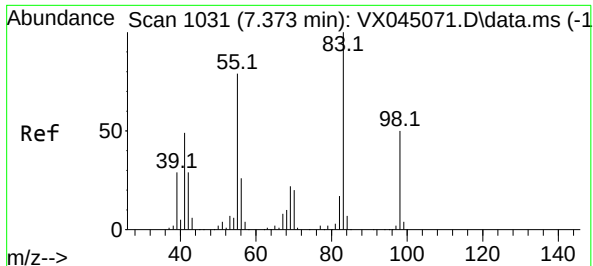
Tgt Ion: 75 Resp: 6507  
Ion Ratio Lower Upper  
75 100  
110 8.9 16.9 50.6#  
77 0.0 24.5 36.7#



#38  
Carbon Tetrachloride  
Concen: 0.443 ug/l  
RT: 5.660 min Scan# 750  
Delta R.T. -0.012 min  
Lab File: VX045392.D  
Acq: 21 Mar 2025 16:48

Tgt Ion: 117 Resp: 552  
Ion Ratio Lower Upper  
117 100  
119 46.9 76.7 115.1#  
121 0.0 25.5 38.3#

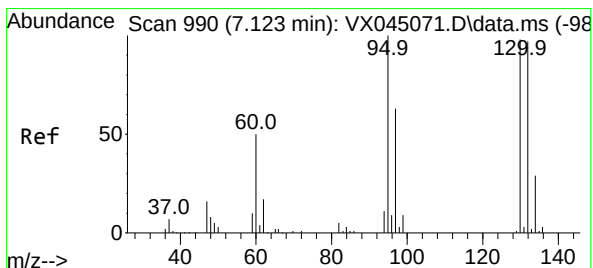
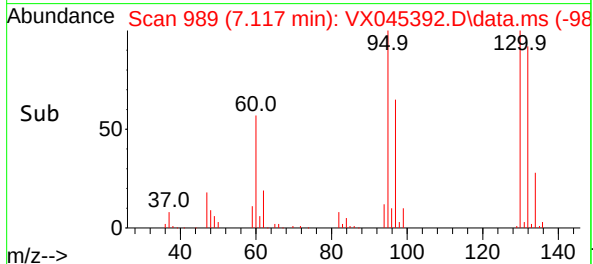
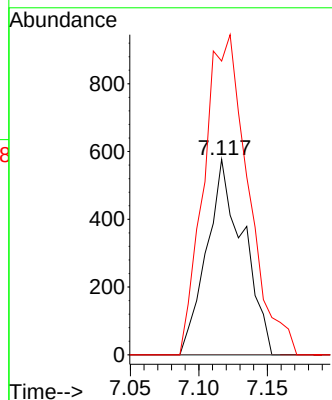
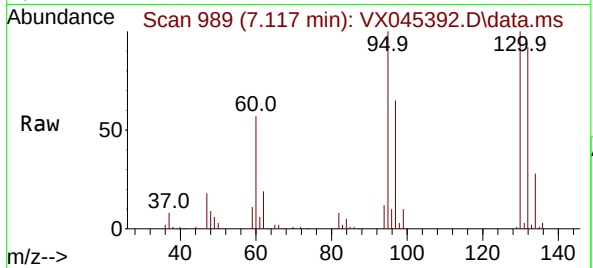




#39  
Methylcyclohexane  
Concen: 0.729 ug/l  
RT: 7.117 min Scan# 989  
Delta R.T. -0.256 min  
Lab File: VX045392.D  
Acq: 21 Mar 2025 16:48

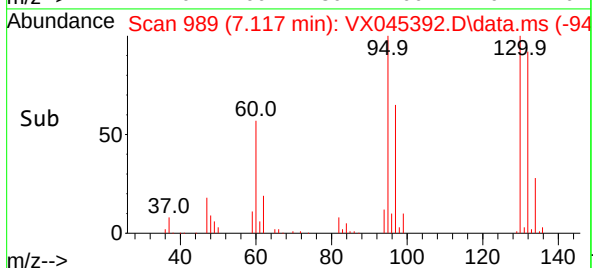
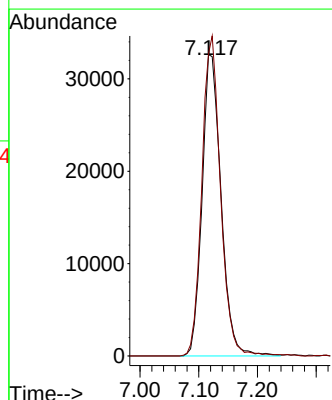
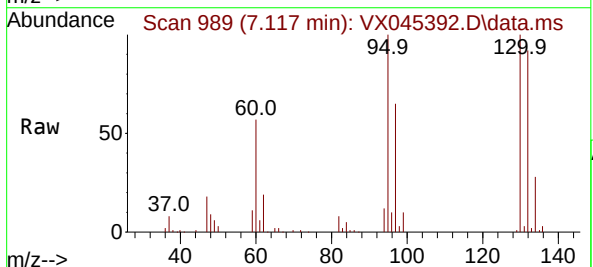
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT191D2-20250314

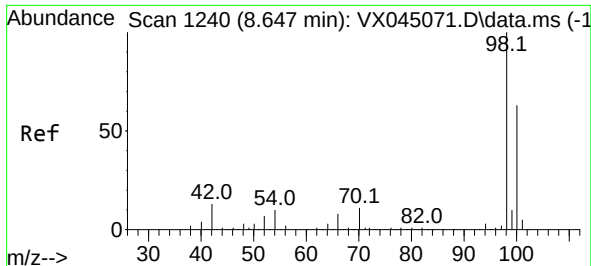
Tgt Ion: 83 Resp: 1072  
Ion Ratio Lower Upper  
83 100  
55 0.0 63.0 94.4#  
98 150.3 39.7 59.5#



#44  
Trichloroethene  
Concen: 80.704 ug/l  
RT: 7.117 min Scan# 989  
Delta R.T. -0.006 min  
Lab File: VX045392.D  
Acq: 21 Mar 2025 16:48

Tgt Ion:130 Resp: 73391  
Ion Ratio Lower Upper  
130 100  
95 100.3 0.0 205.0

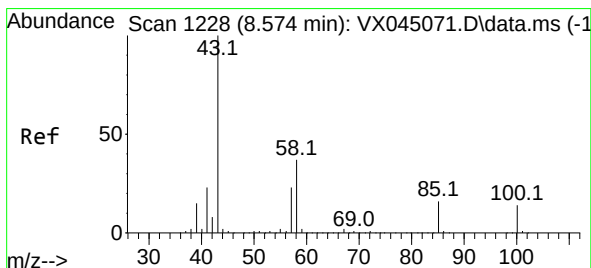
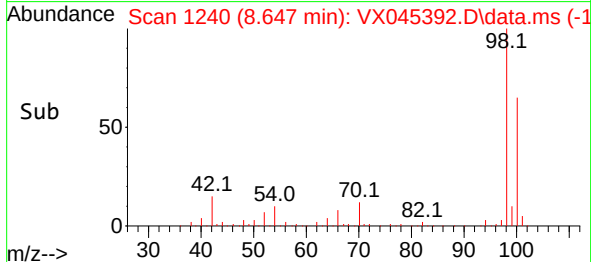
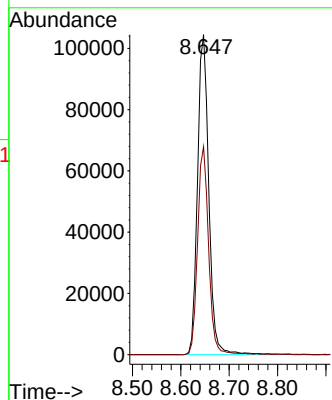
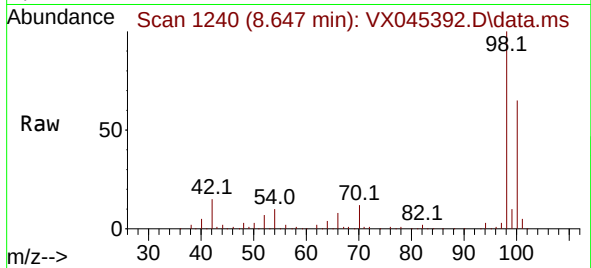




#50  
Toluene-d8  
Concen: 52.011 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX045392.D  
Acq: 21 Mar 2025 16:48

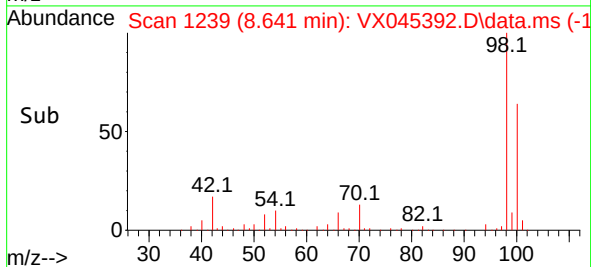
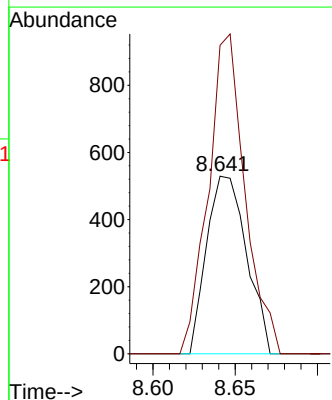
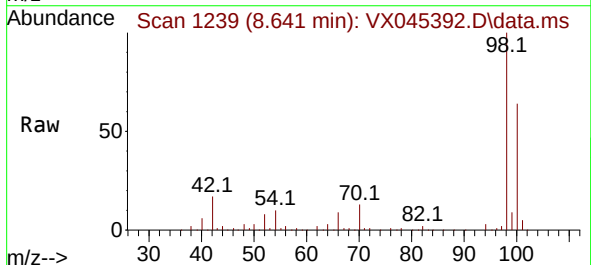
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT191D2-20250314

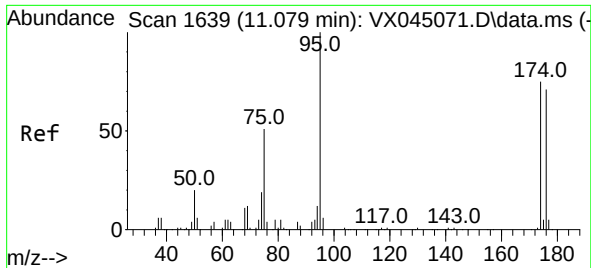
Tgt Ion: 98 Resp: 168628  
Ion Ratio Lower Upper  
98 100  
100 63.7 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 0.570 ug/l  
RT: 8.641 min Scan# 1239  
Delta R.T. 0.067 min  
Lab File: VX045392.D  
Acq: 21 Mar 2025 16:48

Tgt Ion: 43 Resp: 895  
Ion Ratio Lower Upper  
43 100  
58 165.1 29.2 43.8#

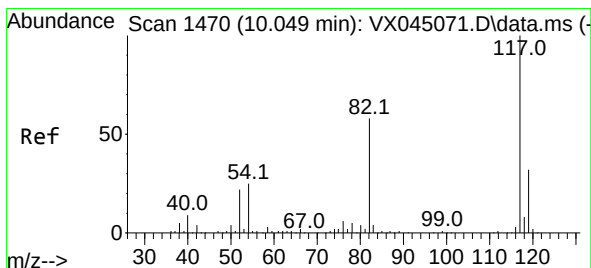
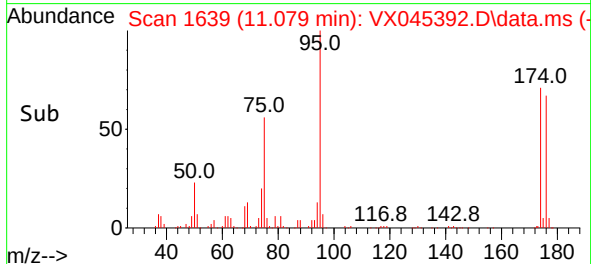
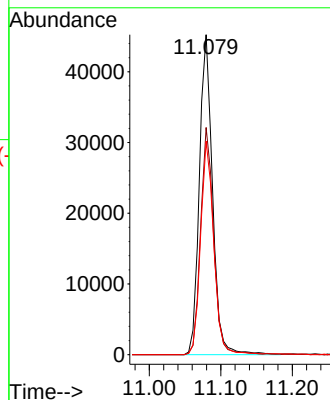
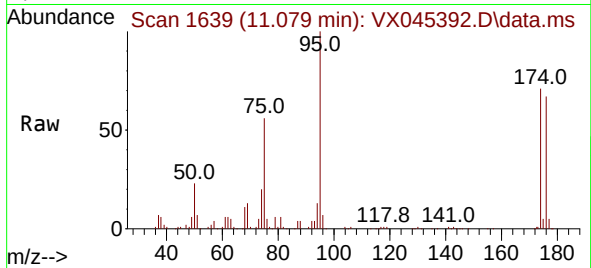




#62  
4-Bromofluorobenzene  
Concen: 53.827 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX045392.D  
Acq: 21 Mar 2025 16:48

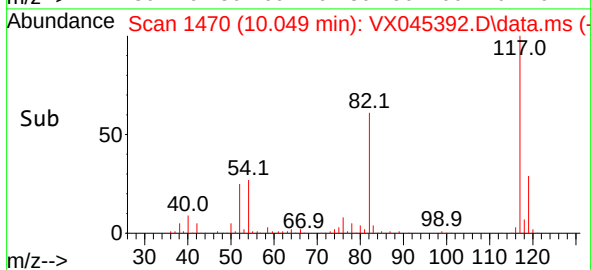
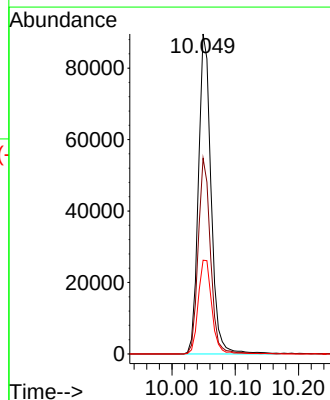
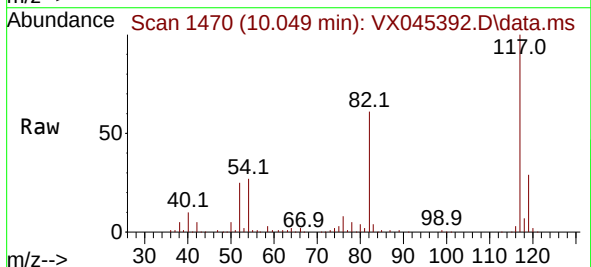
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT191D2-20250314

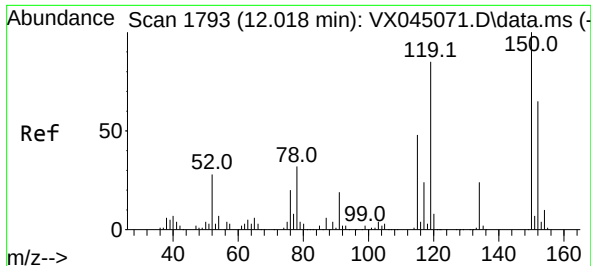
Tgt Ion: 95 Resp: 57830  
Ion Ratio Lower Upper  
95 100  
174 70.6 0.0 148.2  
176 66.9 0.0 141.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VX045392.D  
Acq: 21 Mar 2025 16:48

Tgt Ion: 117 Resp: 124586  
Ion Ratio Lower Upper  
117 100  
82 61.2 46.3 69.5  
119 29.3 25.7 38.5

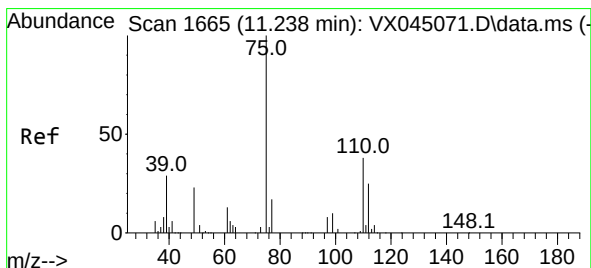
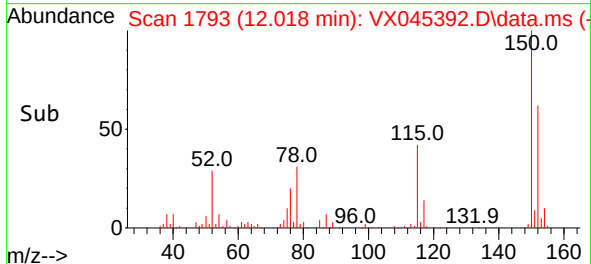
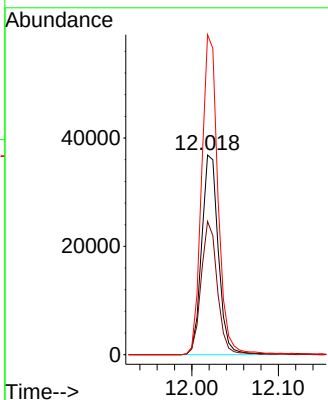
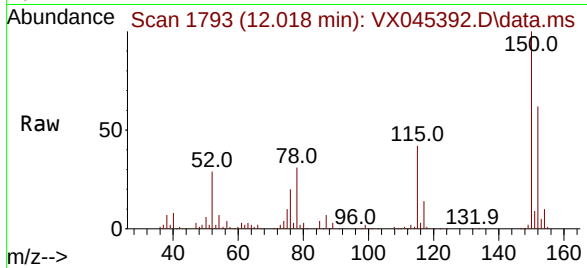




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.018 min Scan# 1  
 Delta R.T. 0.000 min  
 Lab File: VX045392.D  
 Acq: 21 Mar 2025 16:48

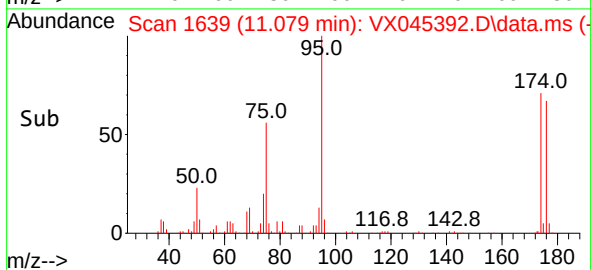
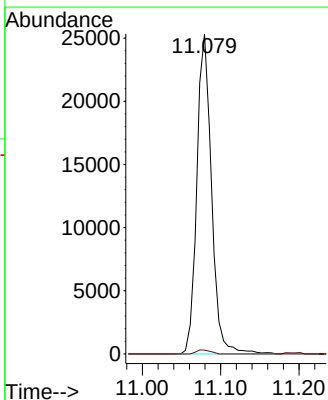
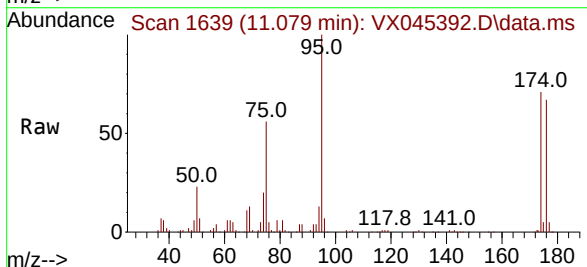
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT191D2-20250314

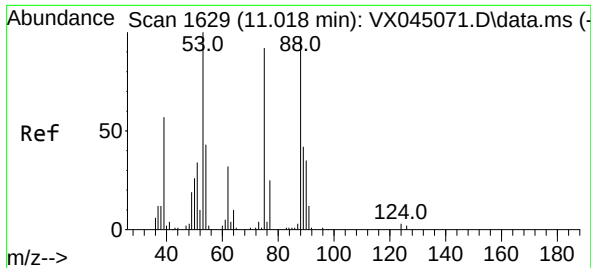
Tgt Ion:152 Resp: 49466  
 Ion Ratio Lower Upper  
 152 100  
 115 64.8 44.2 132.6  
 150 158.0 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 28.684 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.158 min  
 Lab File: VX045392.D  
 Acq: 21 Mar 2025 16:48

Tgt Ion: 75 Resp: 33025  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 20.7 62.1#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 98.163 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX045392.D  
 Acq: 21 Mar 2025 16:48

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT191D2-20250314

Tgt Ion: 75 Resp: 33025  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 88.5 132.7#  
 89 0.0 36.2 54.4#

