

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032525\  
 Data File : VX045446.D  
 Acq On : 25 Mar 2025 17:32  
 Operator : JC/MD  
 Sample : Q1629-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT162S1-20250320

Quant Time: Mar 26 01:42:09 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

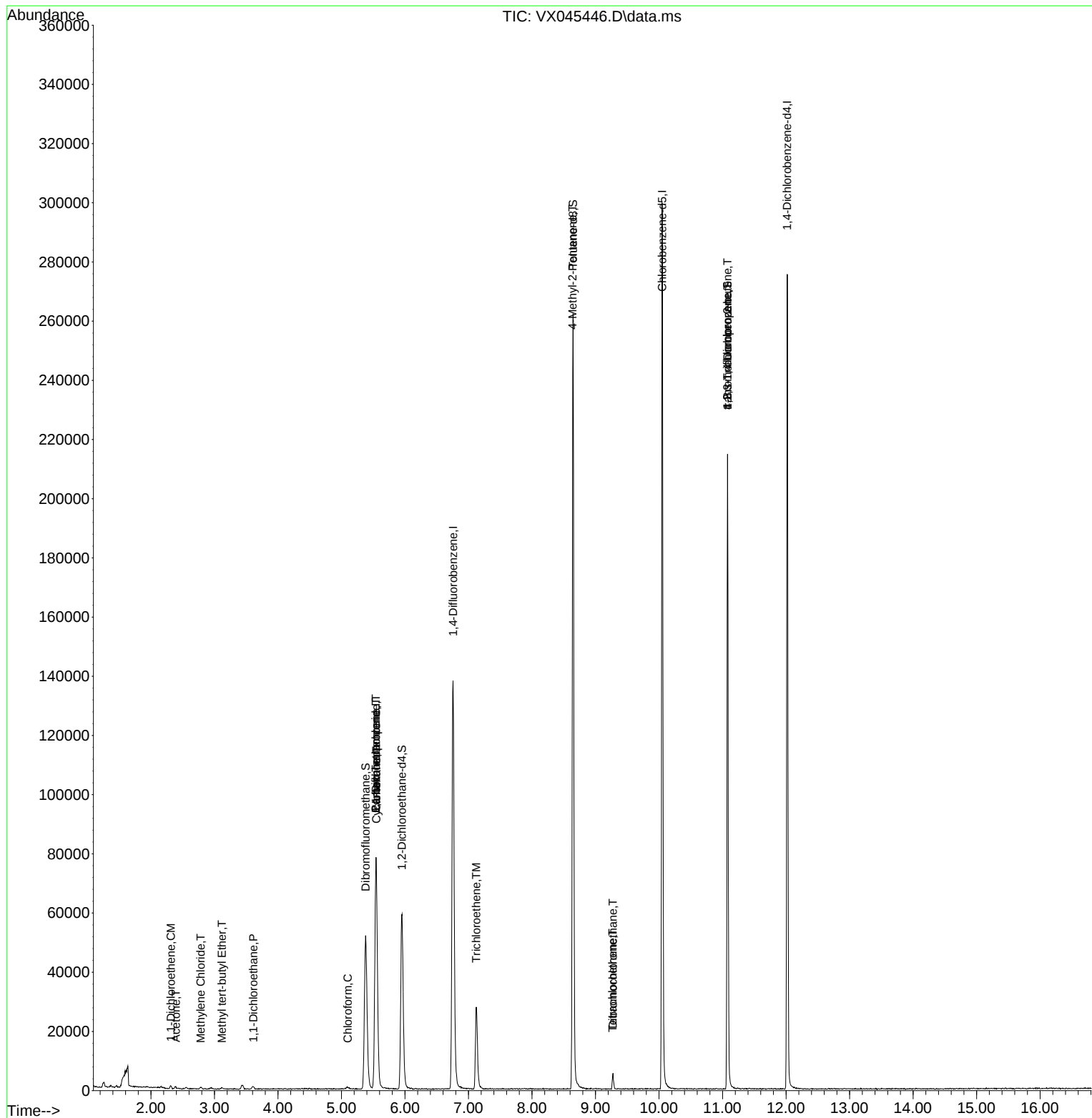
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.544  | 168   | 68003    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 133718   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.049 | 117   | 122480   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 50952    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 60434    | 55.870   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 111.740% |          |
| 35) Dibromofluoromethane      | 5.379  | 113   | 44832    | 50.140   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 100.280% |          |
| 50) Toluene-d8                | 8.647  | 98    | 154109   | 47.542   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 95.080%  |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 55715    | 51.869   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 103.740% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 12) 1,1-Dichloroethene        | 2.313  | 96    | 292      | 0.349    | ug/l       | 87       |
| 16) Acetone                   | 2.392  | 43    | 886      | 1.765    | ug/l       | 100      |
| 19) Methyl tert-butyl Ether   | 3.117  | 73    | 585      | 0.209    | ug/l       | 97       |
| 20) Methylene Chloride        | 2.782  | 84    | 312      | 0.314    | ug/l #     | 80       |
| 24) 1,1-Dichloroethane        | 3.611  | 63    | 1344     | 0.793    | ug/l #     | 83       |
| 30) Chloroform                | 5.099  | 83    | 891      | 0.529    | ug/l #     | 82       |
| 31) Cyclohexane               | 5.550  | 56    | 1927     | 1.309    | ug/l #     | 37       |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 6447     | 5.258    | ug/l #     | 52       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 7970     | 6.402    | ug/l #     | 16       |
| 44) Trichloroethene           | 7.123  | 130   | 10826    | 11.907   | ug/l       | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.641  | 43    | 952      | 0.607    | ug/l #     | 1        |
| 60) Dibromochloromethane      | 9.275  | 129   | 854      | 0.873    | ug/l #     | 11       |
| 64) Tetrachloroethene         | 9.269  | 164   | 830      | 1.058    | ug/l #     | 86       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 31159    | 26.274   | ug/l #     | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 31159    | 89.915   | ug/l #     | 6        |
| -----                         |        |       |          |          |            |          |

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

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Sample : Q1629-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT162S1-20250320

Quant Time: Mar 26 01:42:09 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

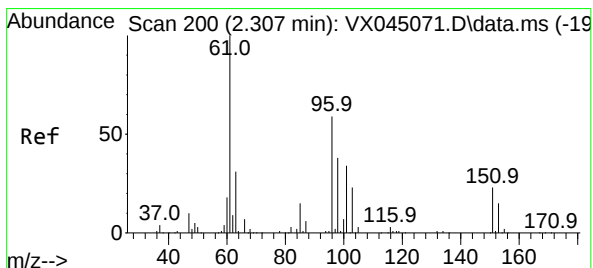
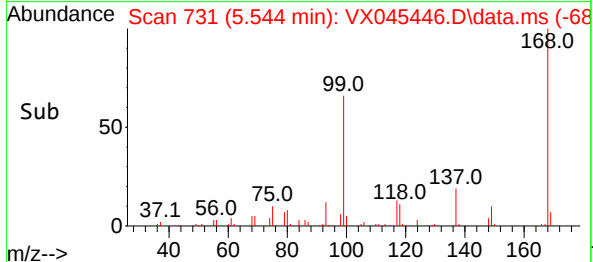
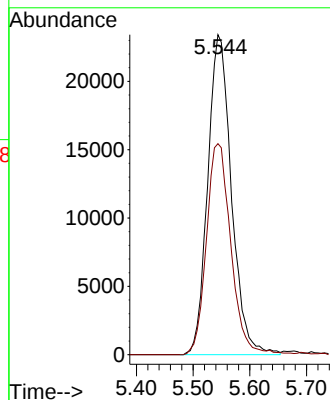
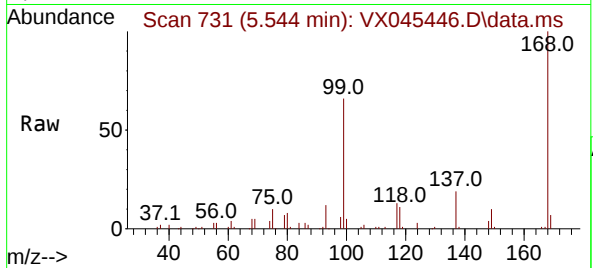




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX045446.D  
Acq: 25 Mar 2025 17:32

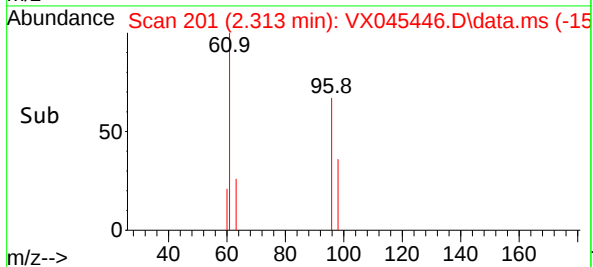
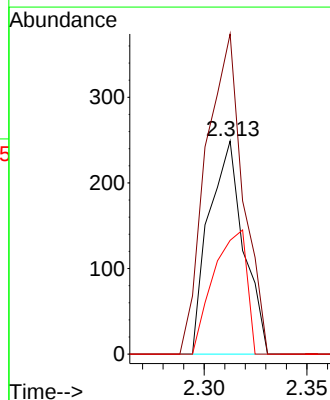
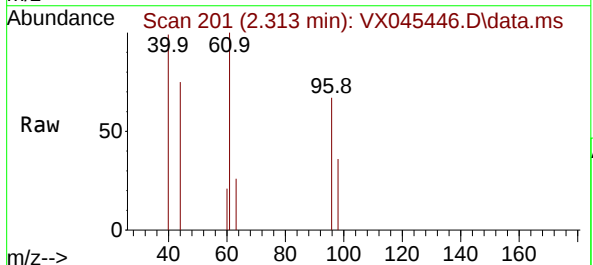
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT162S1-20250320

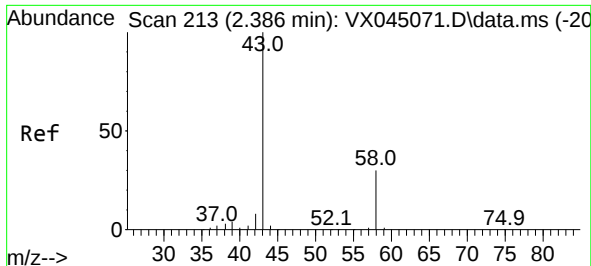
Tgt Ion:168 Resp: 68003  
Ion Ratio Lower Upper  
168 100  
99 65.9 48.2 72.4



#12  
1,1-Dichloroethene  
Concen: 0.349 ug/l  
RT: 2.313 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX045446.D  
Acq: 25 Mar 2025 17:32

Tgt Ion: 96 Resp: 292  
Ion Ratio Lower Upper  
96 100  
61 150.2 134.6 202.0  
98 53.4 51.0 76.6

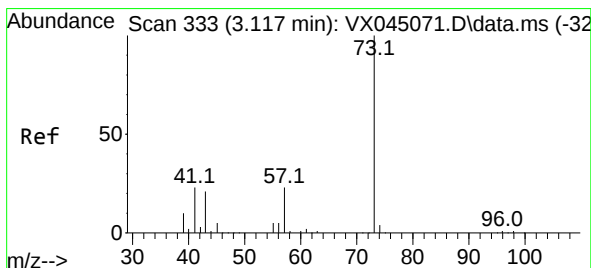
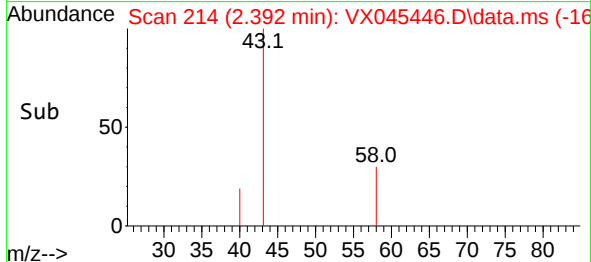
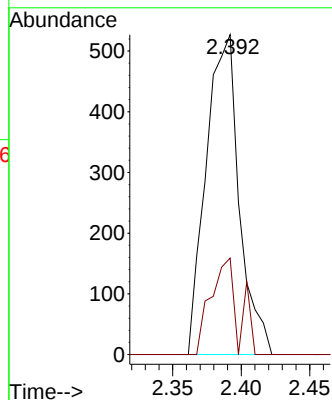
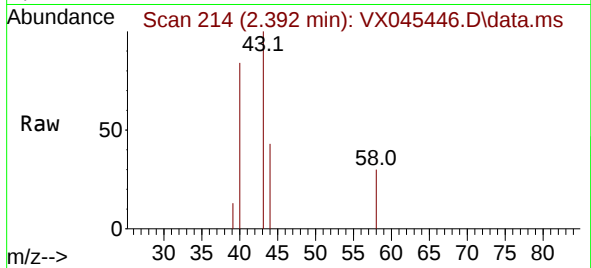




#16  
Acetone  
Concen: 1.765 ug/l  
RT: 2.392 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX045446.D  
Acq: 25 Mar 2025 17:32

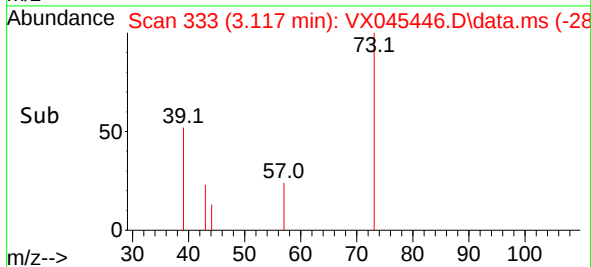
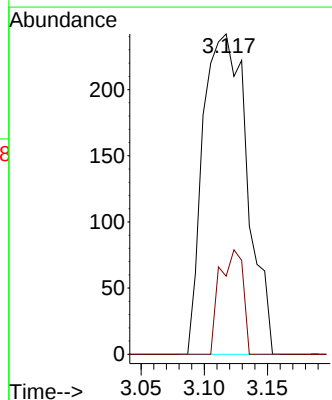
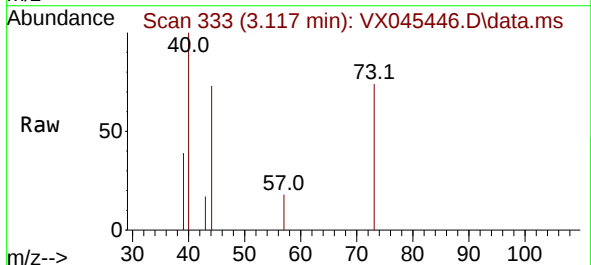
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT162S1-20250320

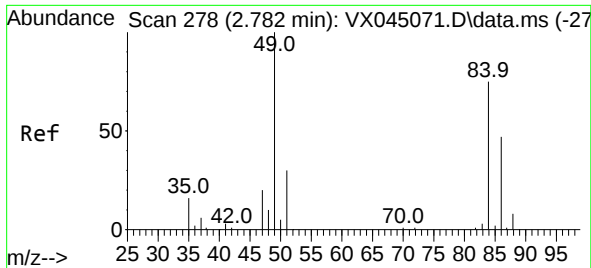
Tgt Ion: 43 Resp: 886  
Ion Ratio Lower Upper  
43 100  
58 30.2 24.2 36.4



#19  
Methyl tert-butyl Ether  
Concen: 0.209 ug/l  
RT: 3.117 min Scan# 333  
Delta R.T. -0.000 min  
Lab File: VX045446.D  
Acq: 25 Mar 2025 17:32

Tgt Ion: 73 Resp: 585  
Ion Ratio Lower Upper  
73 100  
57 24.4 18.5 27.7

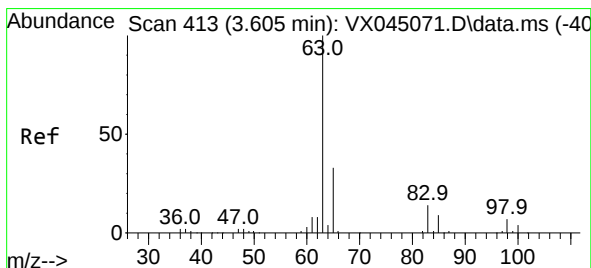
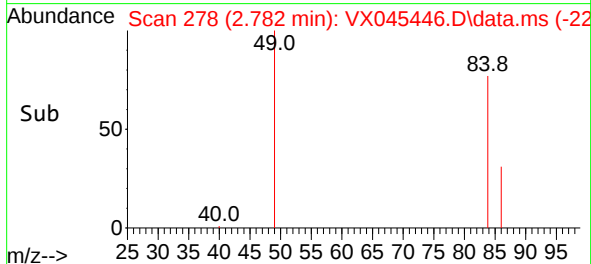
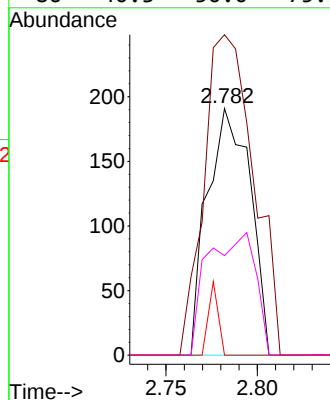
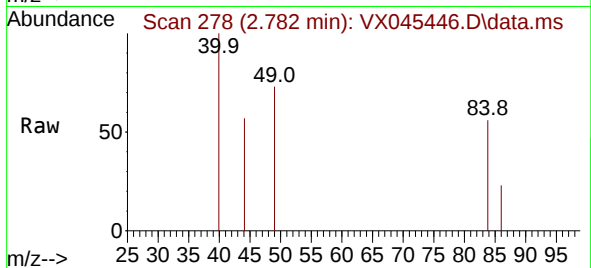




#20  
Methylene Chloride  
Concen: 0.314 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX045446.D  
Acq: 25 Mar 2025 17:32

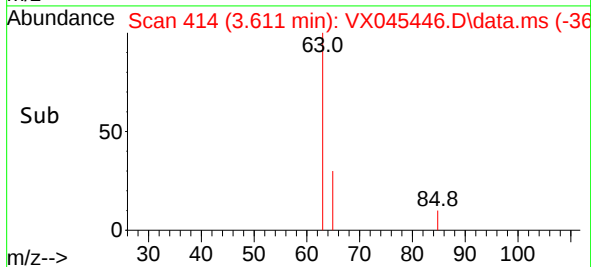
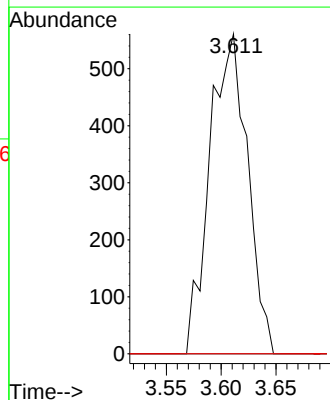
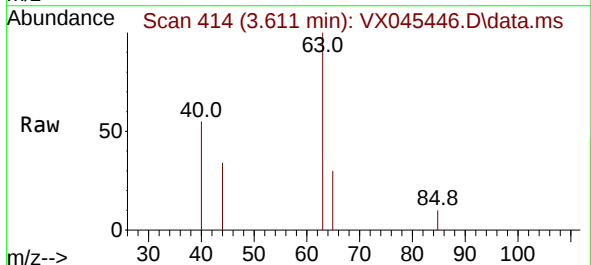
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT162S1-20250320

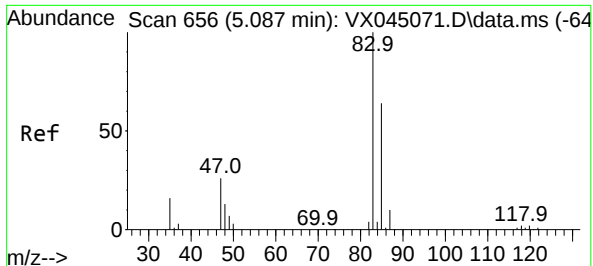
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 312   |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 129.8    | 106.5 159.7 |
| 51 0.0      | 32.1 48.1#  |
| 86 40.3     | 50.0 75.0#  |



#24  
1,1-Dichloroethane  
Concen: 0.793 ug/l  
RT: 3.611 min Scan# 414  
Delta R.T. 0.006 min  
Lab File: VX045446.D  
Acq: 25 Mar 2025 17:32

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 1344  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 98 0.0      | 3.4 10.2#   |
| 100 0.0     | 2.1 6.5#    |





#30

Chloroform

Concen: 0.529 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX045446.D

Acq: 25 Mar 2025 17:32

Instrument :

MSVOA\_X

ClientSampleId :

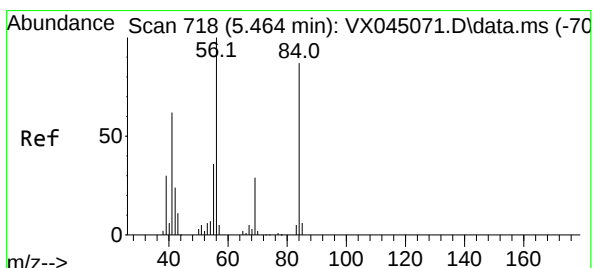
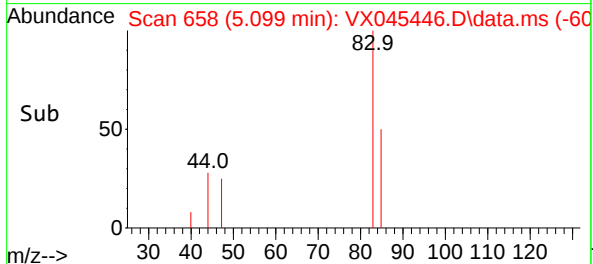
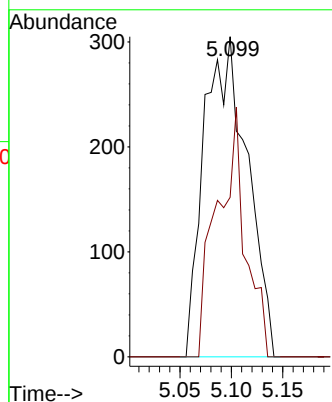
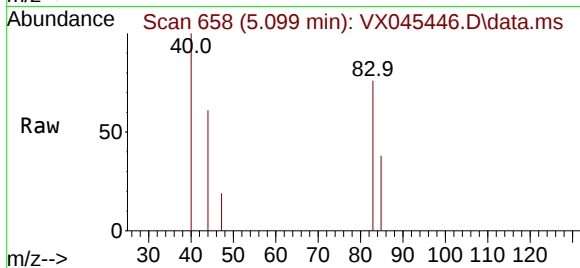
TT162S1-20250320

Tgt Ion: 83 Resp: 891

Ion Ratio Lower Upper

83 100

85 49.8 51.4 77.2#



#31

Cyclohexane

Concen: 1.309 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045446.D

Acq: 25 Mar 2025 17:32

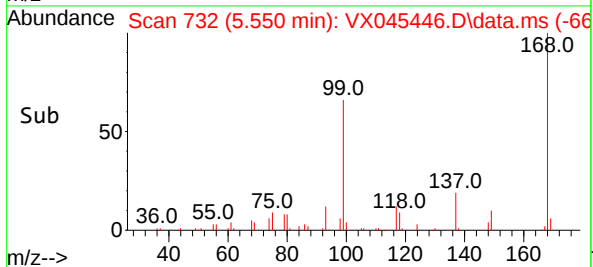
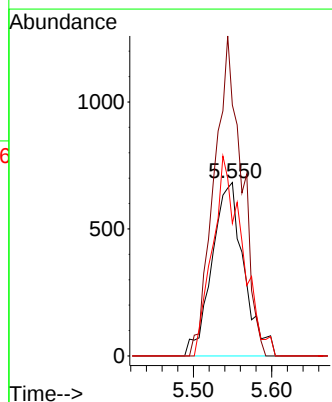
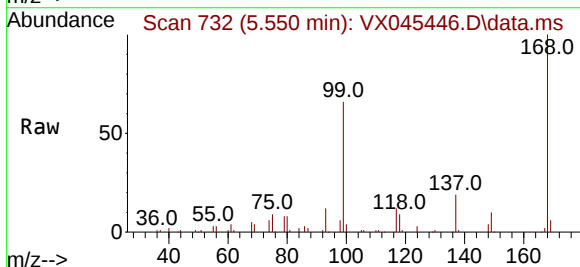
Tgt Ion: 56 Resp: 1927

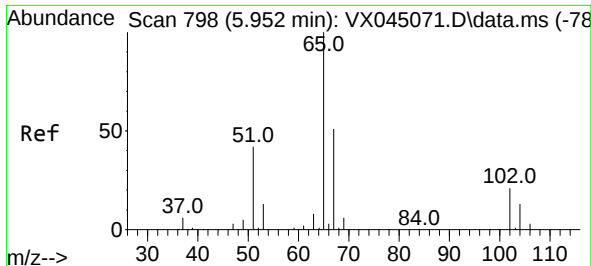
Ion Ratio Lower Upper

56 100

69 144.7 23.4 35.2#

84 76.4 69.4 104.2

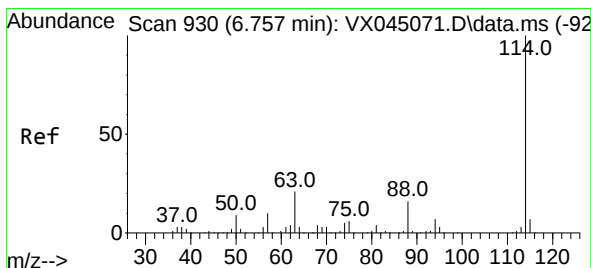
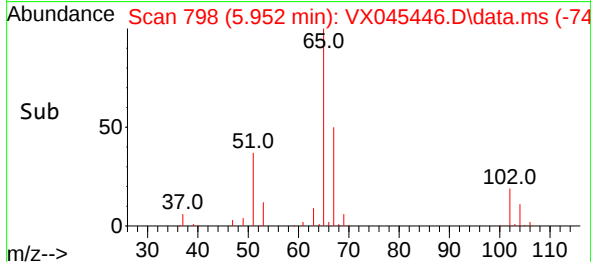
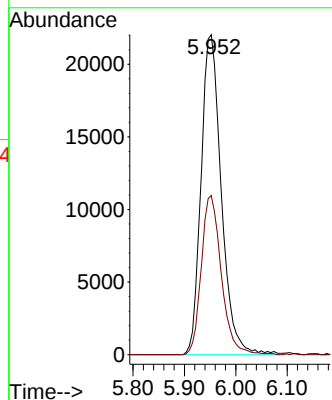
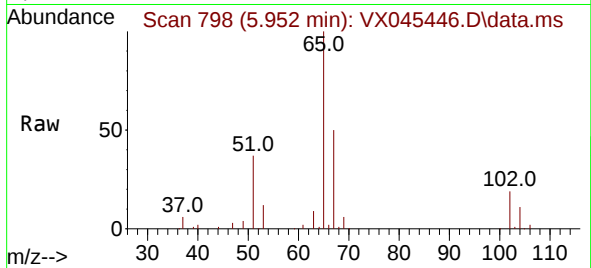




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.870 ug/l  
 RT: 5.952 min Scan# 798  
 Delta R.T. -0.000 min  
 Lab File: VX045446.D  
 Acq: 25 Mar 2025 17:32

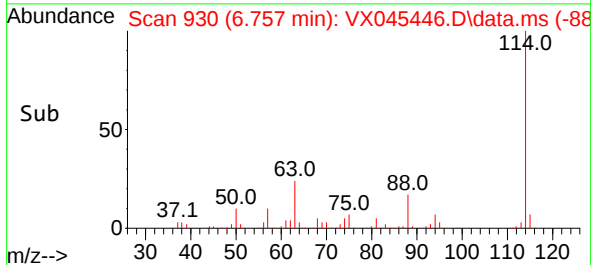
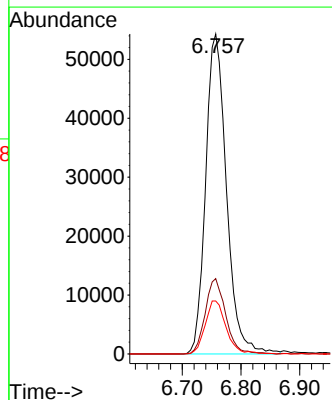
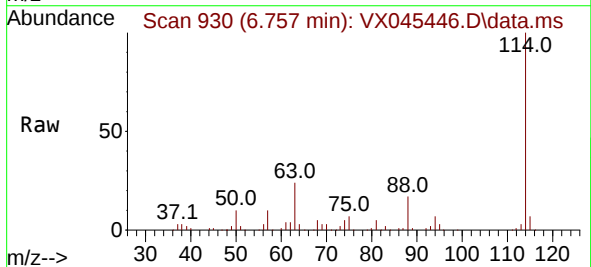
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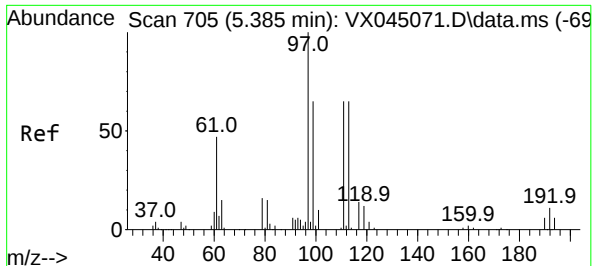
Tgt Ion: 65 Resp: 60434  
 Ion Ratio Lower Upper  
 65 100  
 67 49.1 0.0 106.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.757 min Scan# 930  
 Delta R.T. -0.000 min  
 Lab File: VX045446.D  
 Acq: 25 Mar 2025 17:32

Tgt Ion: 114 Resp: 133718  
 Ion Ratio Lower Upper  
 114 100  
 63 23.5 0.0 41.8  
 88 16.5 0.0 32.8

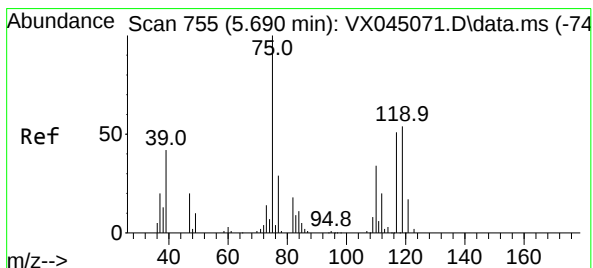
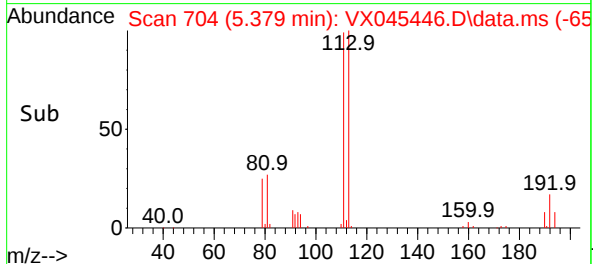
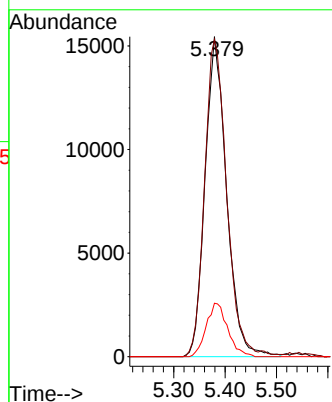
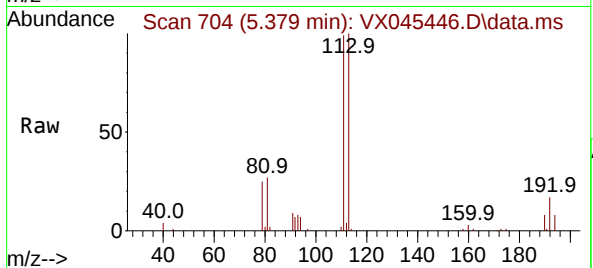




#35  
Dibromofluoromethane  
Concen: 50.140 ug/l  
RT: 5.379 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VX045446.D  
Acq: 25 Mar 2025 17:32

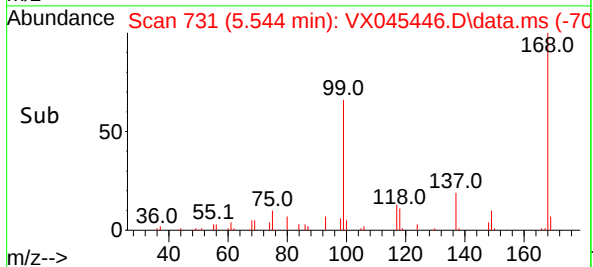
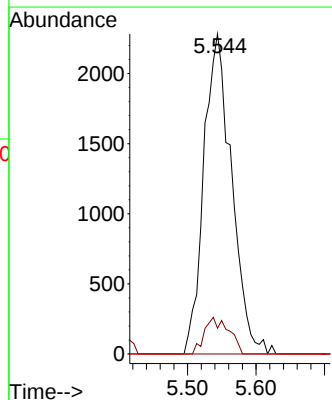
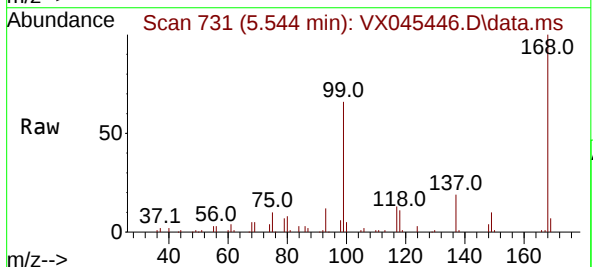
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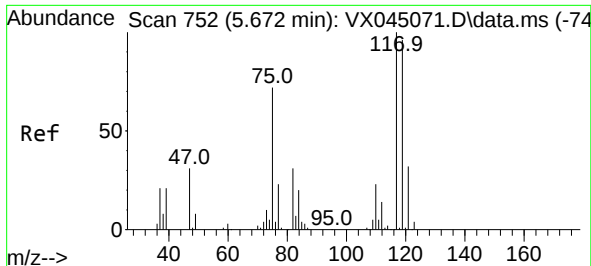
Tgt Ion:113 Resp: 44832  
Ion Ratio Lower Upper  
113 100  
111 101.1 81.8 122.6  
192 16.7 14.3 21.5



#36  
1,1-Dichloropropene  
Concen: 5.258 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.146 min  
Lab File: VX045446.D  
Acq: 25 Mar 2025 17:32

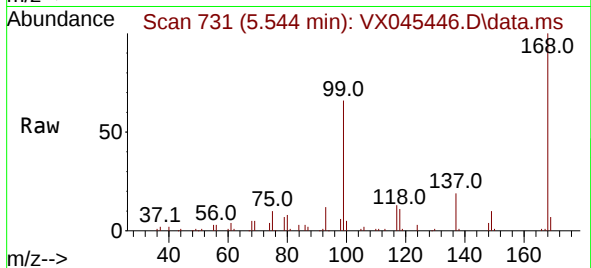
Tgt Ion: 75 Resp: 6447  
Ion Ratio Lower Upper  
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110 10.0 16.9 50.6#  
77 0.0 24.5 36.7#



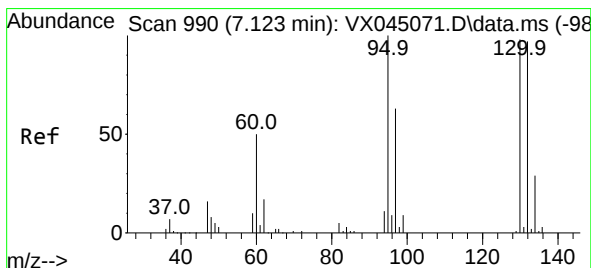
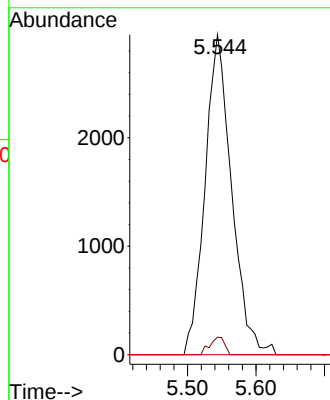
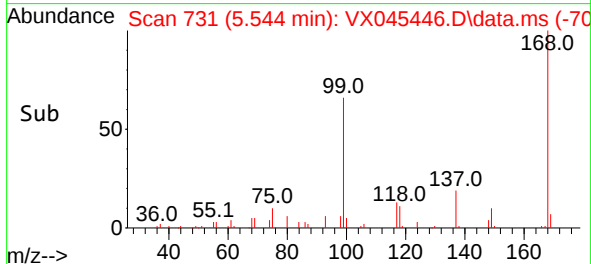


#38  
Carbon Tetrachloride  
Concen: 6.402 ug/l  
RT: 5.544 min Scan# 711  
Delta R.T. -0.128 min  
Lab File: VX045446.D  
Acq: 25 Mar 2025 17:32

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT162S1-20250320

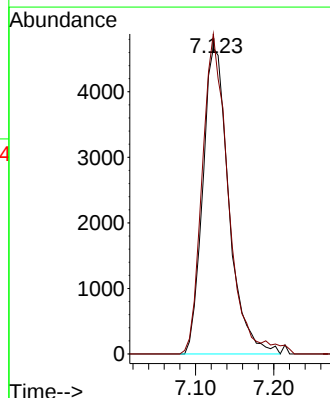
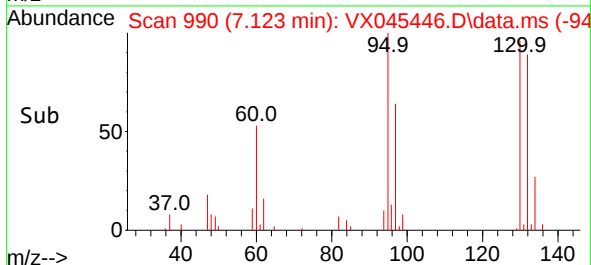
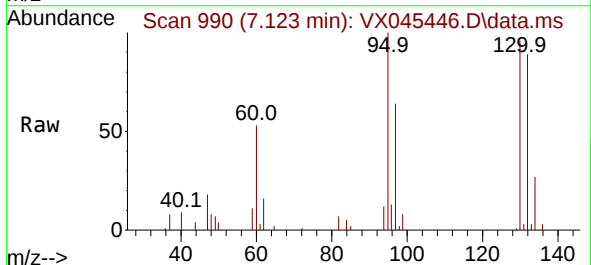


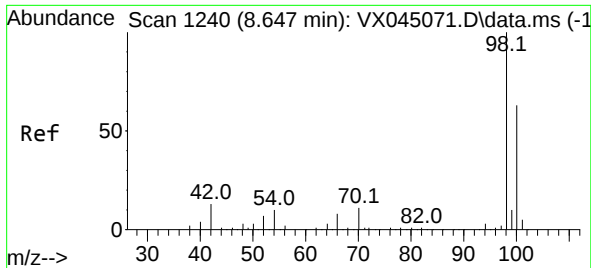
Tgt Ion:117 Resp: 7970  
Ion Ratio Lower Upper  
117 100  
119 5.5 76.7 115.1#  
121 0.0 25.5 38.3#



#44  
Trichloroethene  
Concen: 11.907 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VX045446.D  
Acq: 25 Mar 2025 17:32

Tgt Ion:130 Resp: 10826  
Ion Ratio Lower Upper  
130 100  
95 104.7 0.0 205.0

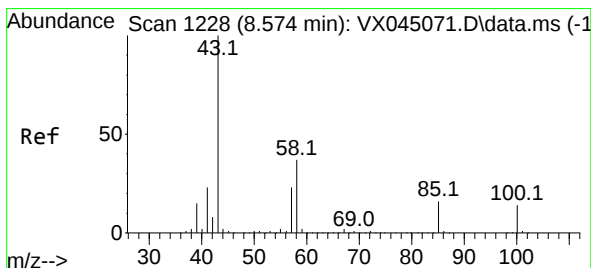
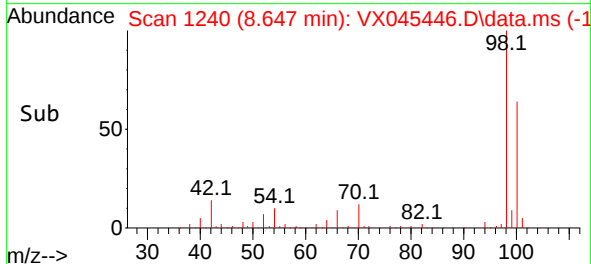
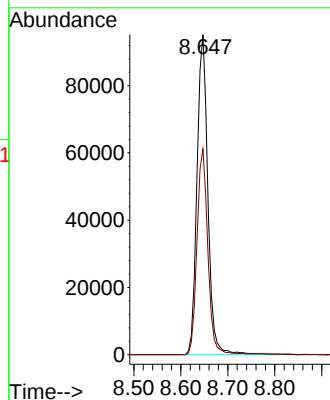
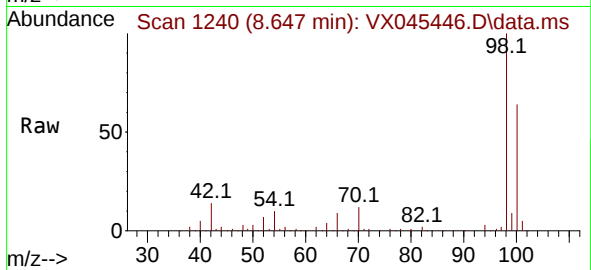




#50  
Toluene-d8  
Concen: 47.542 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX045446.D  
Acq: 25 Mar 2025 17:32

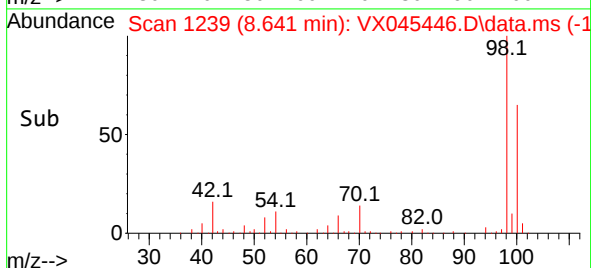
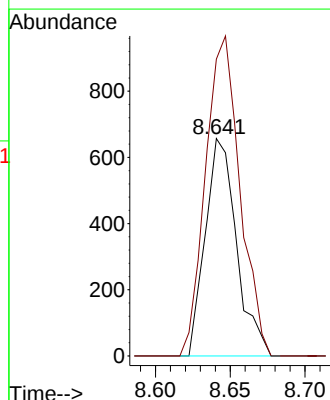
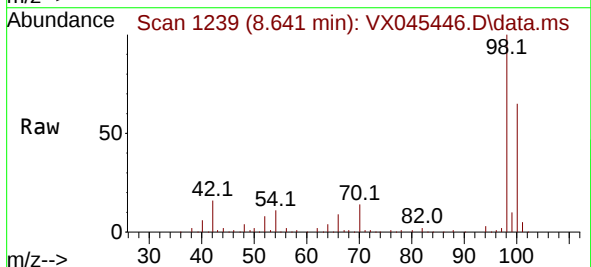
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT162S1-20250320

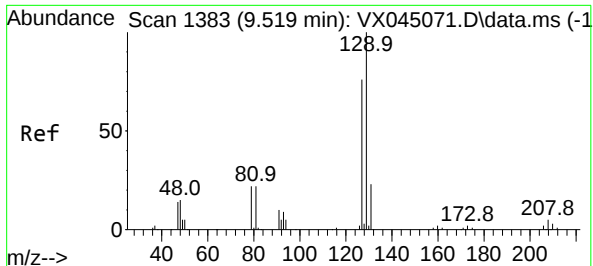
Tgt Ion: 98 Resp: 154109  
Ion Ratio Lower Upper  
98 100  
100 64.0 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 0.607 ug/l  
RT: 8.641 min Scan# 1239  
Delta R.T. 0.067 min  
Lab File: VX045446.D  
Acq: 25 Mar 2025 17:32

Tgt Ion: 43 Resp: 952  
Ion Ratio Lower Upper  
43 100  
58 162.8 29.2 43.8#

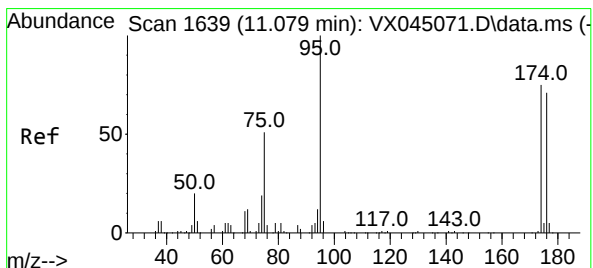
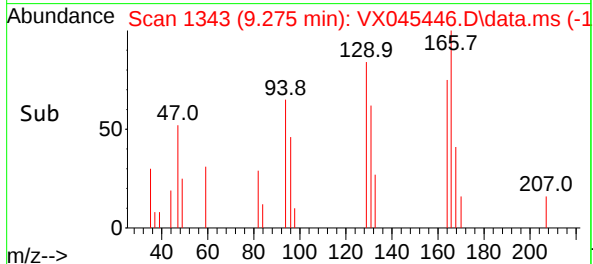
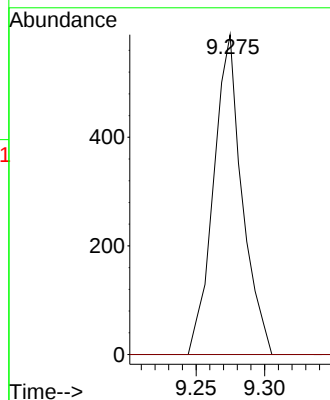
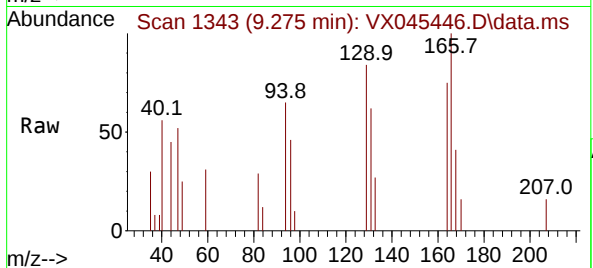




#60  
Dibromochloromethane  
Concen: 0.873 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.244 min  
Lab File: VX045446.D  
Acq: 25 Mar 2025 17:32

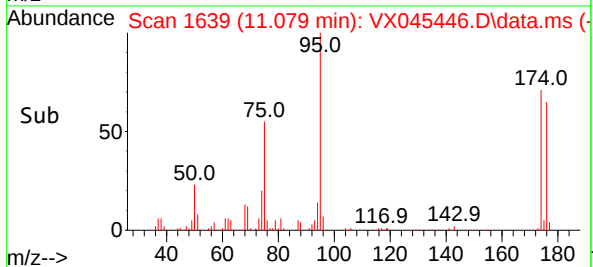
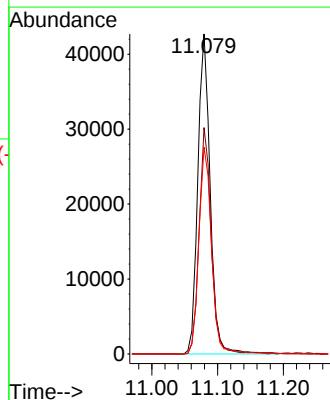
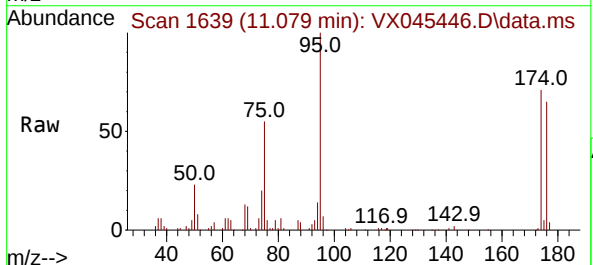
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT162S1-20250320

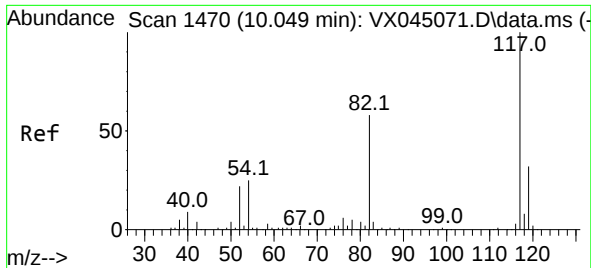
Tgt Ion:129 Resp: 854  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.5#



#62  
4-Bromofluorobenzene  
Concen: 51.869 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX045446.D  
Acq: 25 Mar 2025 17:32

Tgt Ion: 95 Resp: 55715  
Ion Ratio Lower Upper  
95 100  
174 68.9 0.0 148.2  
176 65.9 0.0 141.4

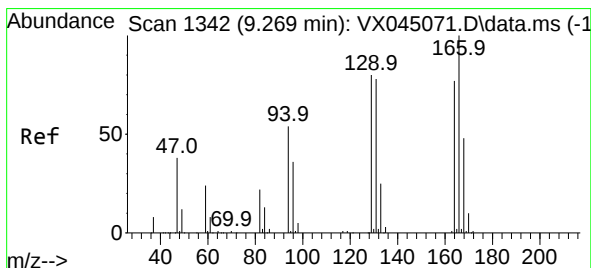
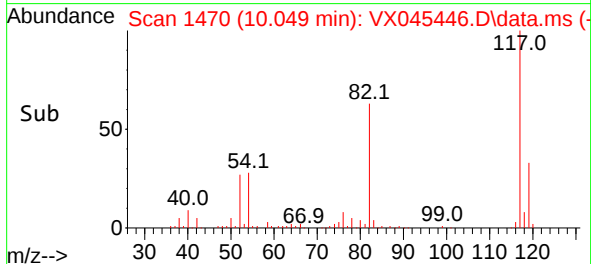
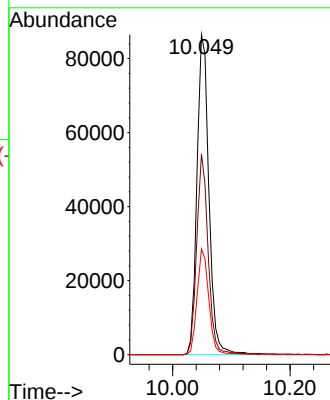
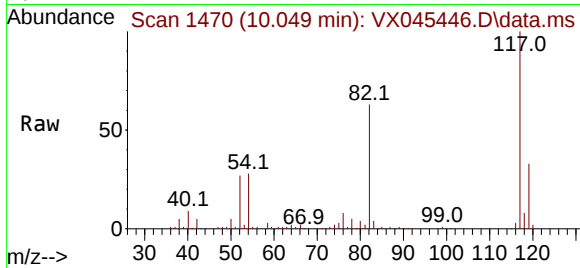




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX045446.D  
Acq: 25 Mar 2025 17:32

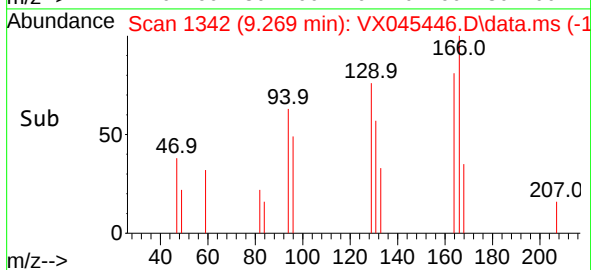
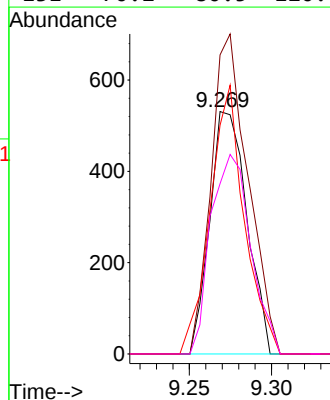
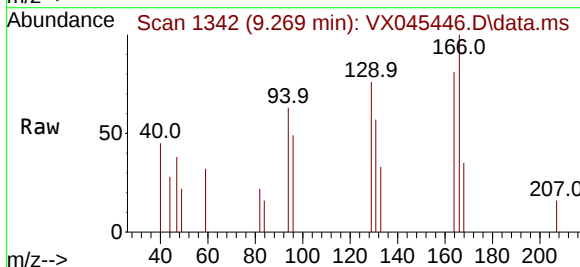
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT162S1-20250320

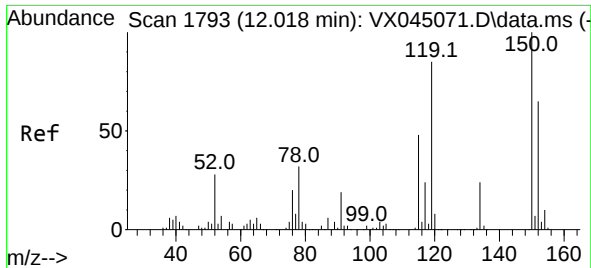
Tgt Ion:117 Resp: 122480  
Ion Ratio Lower Upper  
117 100  
82 62.8 46.3 69.5  
119 33.1 25.7 38.5



#64  
Tetrachloroethene  
Concen: 1.058 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. -0.000 min  
Lab File: VX045446.D  
Acq: 25 Mar 2025 17:32

Tgt Ion:164 Resp: 830  
Ion Ratio Lower Upper  
164 100  
166 123.4 103.6 155.4  
129 94.4 82.7 124.1  
131 70.2 80.5 120.7#

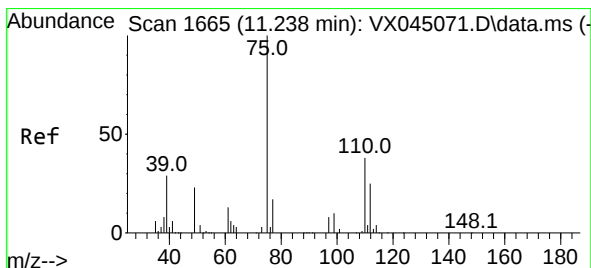
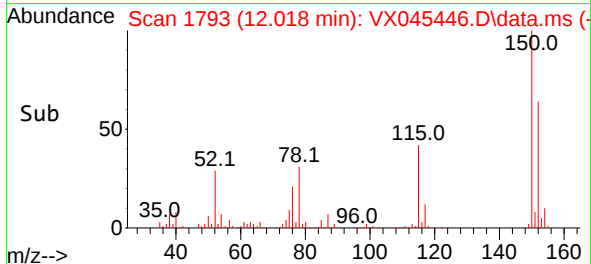
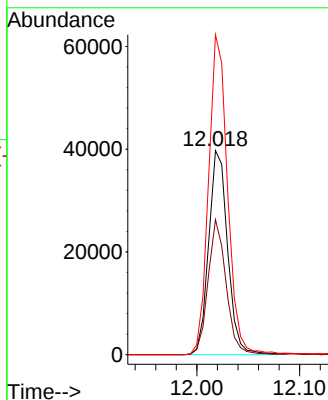
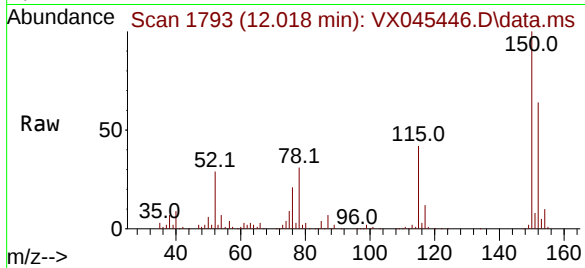




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.018 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX045446.D  
 Acq: 25 Mar 2025 17:32

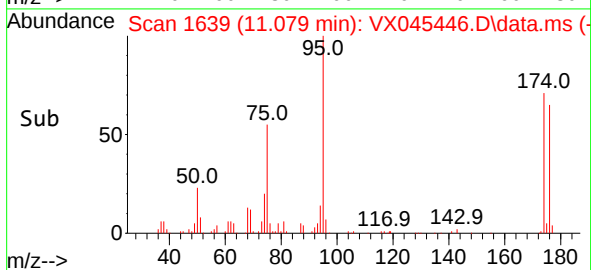
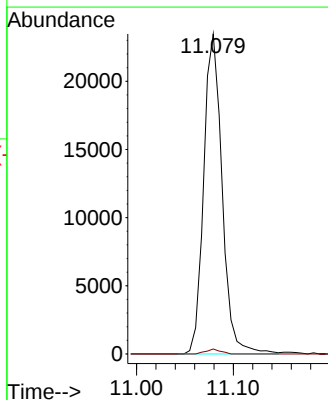
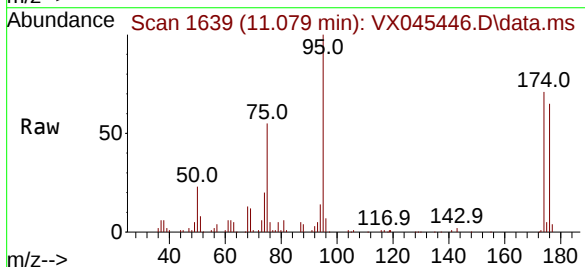
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT162S1-20250320

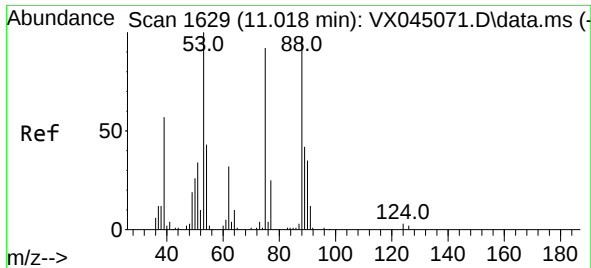
Tgt Ion:152 Resp: 50952  
 Ion Ratio Lower Upper  
 152 100  
 115 63.1 44.2 132.6  
 150 157.7 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 26.274 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX045446.D  
 Acq: 25 Mar 2025 17:32

Tgt Ion: 75 Resp: 31159  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 20.7 62.1#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 89.915 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX045446.D  
 Acq: 25 Mar 2025 17:32

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT162S1-20250320

Tgt Ion: 75 Resp: 31159  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 88.5 132.7#  
 89 0.0 36.2 54.4#

