

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121824\  
 Data File : VX044407.D  
 Acq On : 19 Dec 2024 02:34  
 Operator : JC/MD  
 Sample : P5317-08  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RW8-MW01D1-20241216

Quant Time: Dec 19 05:09:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 12 04:28:14 2024  
 Response via : Initial Calibration

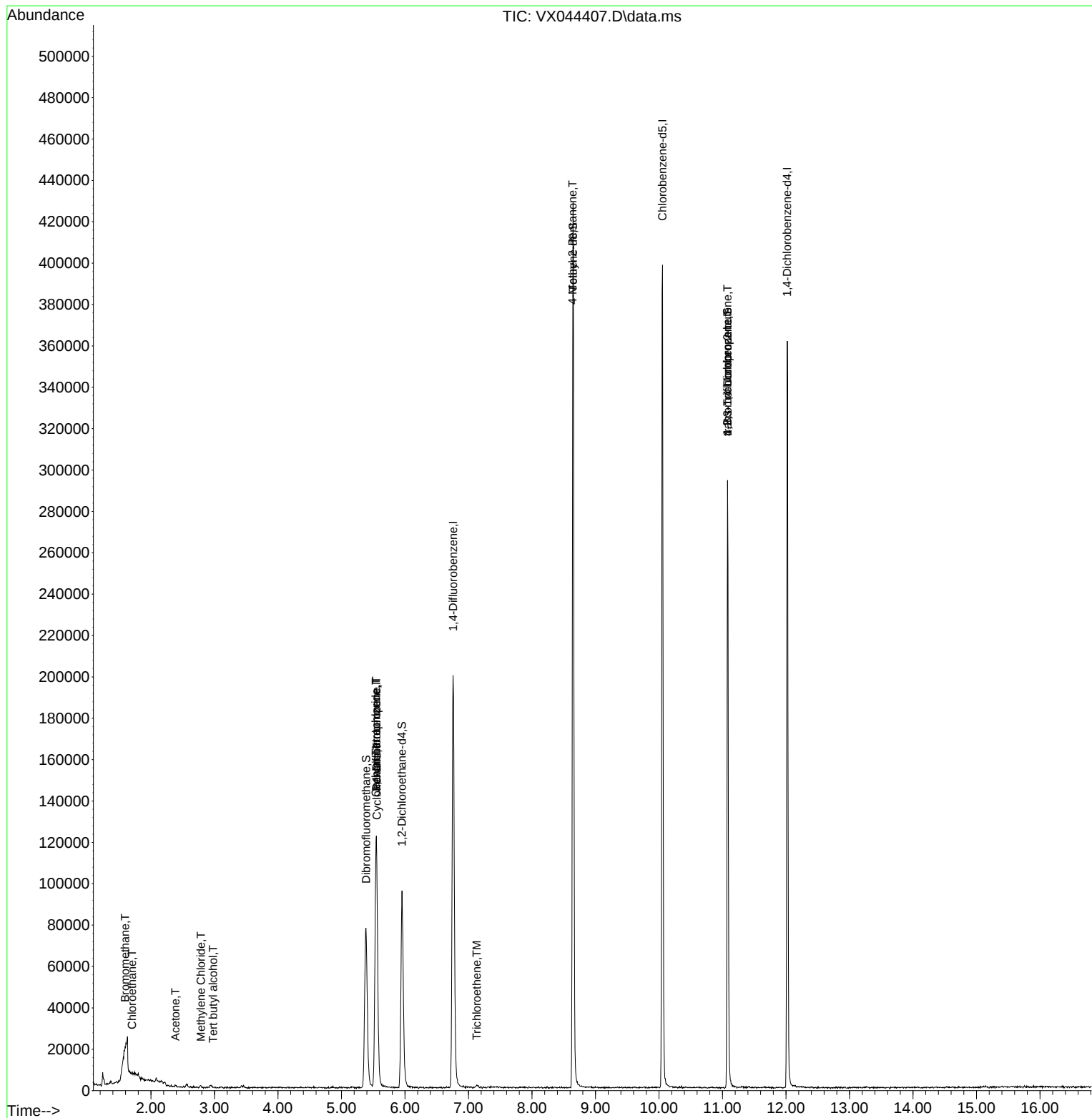
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 111969     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 205674     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 179449     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 71479      | 50.000   | ug/l   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 88393      | 45.025   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 90.060%  |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 65958      | 46.303   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 92.600%  |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 246011     | 51.191   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 102.380% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 77014      | 45.862   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = | 91.720%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        |          |
|                               |                |      |            |          | Qvalue |          |
| 5) Bromomethane               | 1.593          | 94   | 323        | 0.264    | ug/l # | 14       |
| 6) Chloroethane               | 1.703          | 64   | 254        | 0.236    | ug/l # | 41       |
| 11) Tert butyl alcohol        | 2.977          | 59   | 67         | 0.242    | ug/l # | 71       |
| 16) Acetone                   | 2.386          | 43   | 842        | 1.052    | ug/l # | 68       |
| 20) Methylene Chloride        | 2.788          | 84   | 335        | 0.223    | ug/l # | 66       |
| 31) Cyclohexane               | 5.556          | 56   | 2705       | 1.277    | ug/l # | 18       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 10387      | 5.641    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.544          | 117  | 13036      | 6.576    | ug/l # | 17       |
| 44) Trichloroethene           | 7.129          | 130  | 478        | 0.343    | ug/l   | 87       |
| 51) 4-Methyl-2-Pentanone      | 8.641          | 43   | 1219       | 0.533    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 42525      | 26.646   | ug/l # | 35       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 42525      | 73.413   | ug/l # | 4        |
| -----                         |                |      |            |          |        |          |

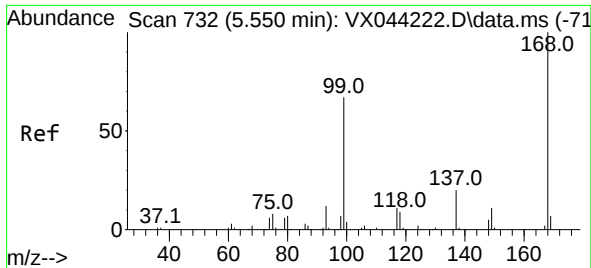
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121824\  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
RW8-MW01D1-20241216

Quant Time: Dec 19 05:09:01 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 12 04:28:14 2024  
Response via : Initial Calibration

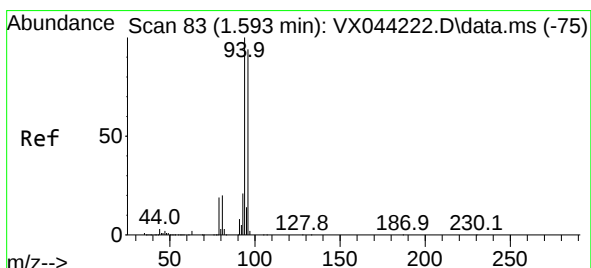
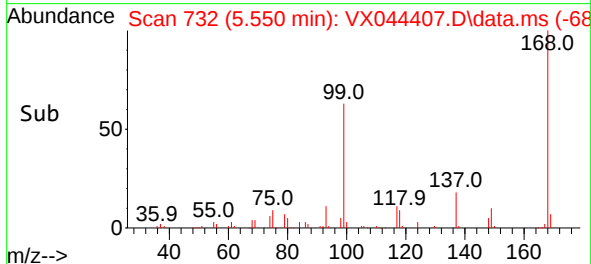
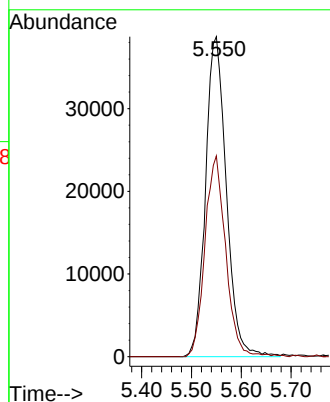
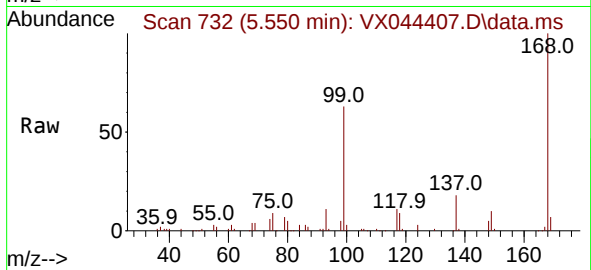




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX044407.D  
Acq: 19 Dec 2024 02:34

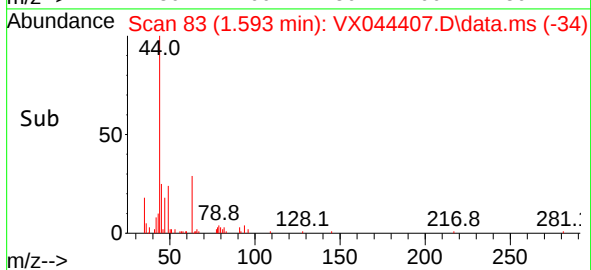
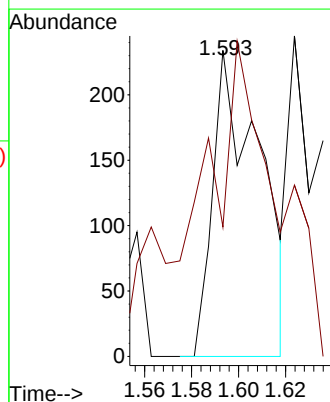
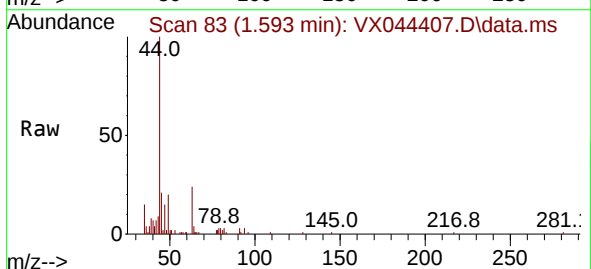
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW8-MW01D1-20241216

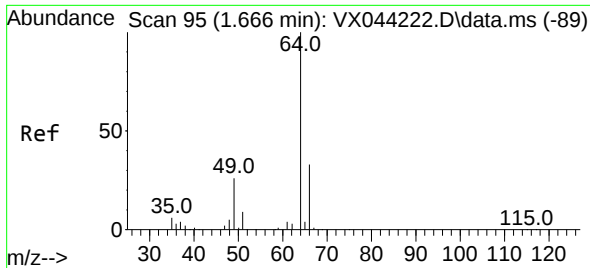
Tgt Ion:168 Resp: 111969  
Ion Ratio Lower Upper  
168 100  
99 62.8 53.4 80.0



#5  
Bromomethane  
Concen: 0.264 ug/l  
RT: 1.593 min Scan# 83  
Delta R.T. 0.000 min  
Lab File: VX044407.D  
Acq: 19 Dec 2024 02:34

Tgt Ion: 94 Resp: 323  
Ion Ratio Lower Upper  
94 100  
96 11.1 74.9 112.3#

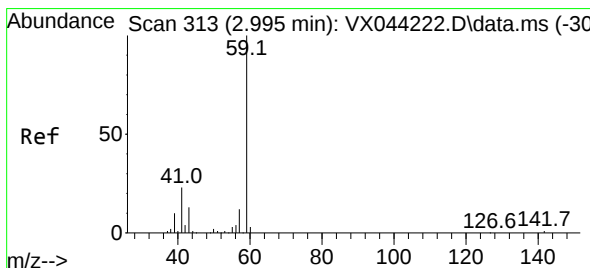
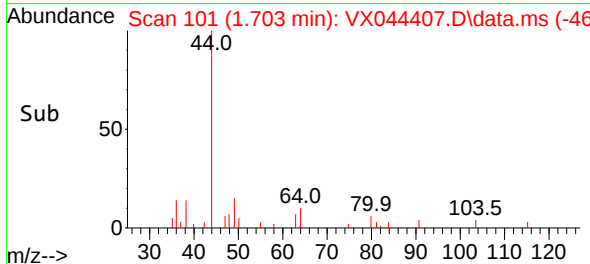
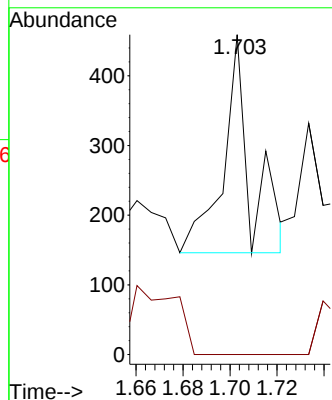
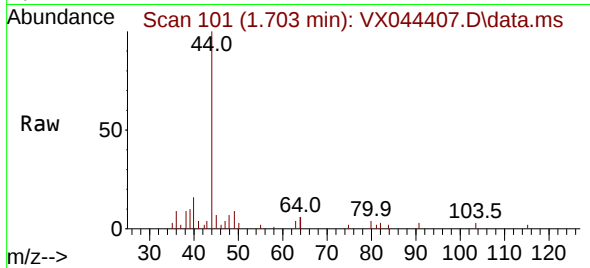




#6  
Chloroethane  
Concen: 0.236 ug/l  
RT: 1.703 min Scan# 101  
Delta R.T. 0.037 min  
Lab File: VX044407.D  
Acq: 19 Dec 2024 02:34

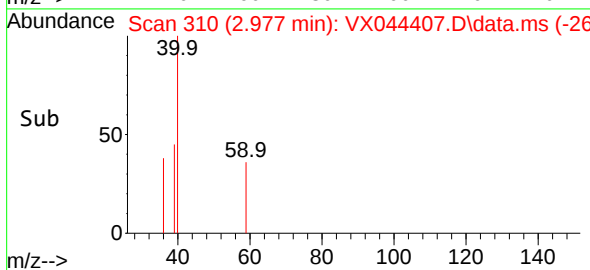
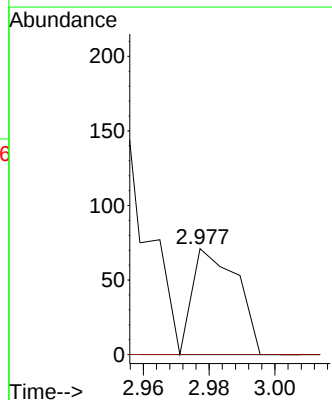
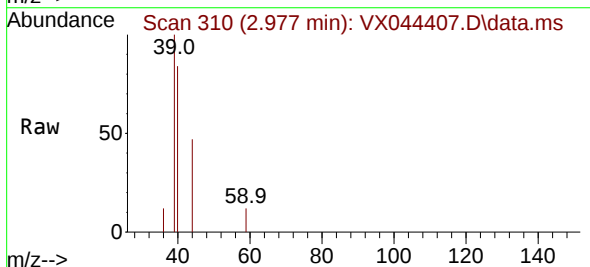
Instrument :  
MSVOA\_X  
ClientSampleId :  
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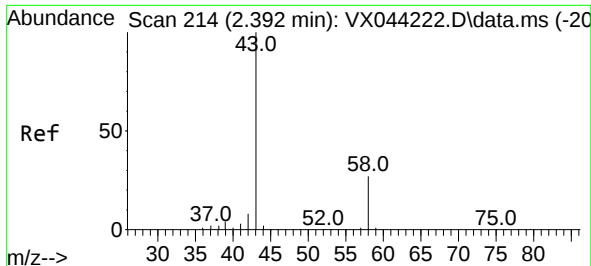
Tgt Ion: 64 Resp: 254  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.6 39.8#



#11  
Tert butyl alcohol  
Concen: 0.242 ug/l  
RT: 2.977 min Scan# 310  
Delta R.T. -0.018 min  
Lab File: VX044407.D  
Acq: 19 Dec 2024 02:34

Tgt Ion: 59 Resp: 67  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.8 13.2#





#16

Acetone

Concen: 1.052 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX044407.D

Acq: 19 Dec 2024 02:34

Instrument :

MSVOA\_X

ClientSampleId :

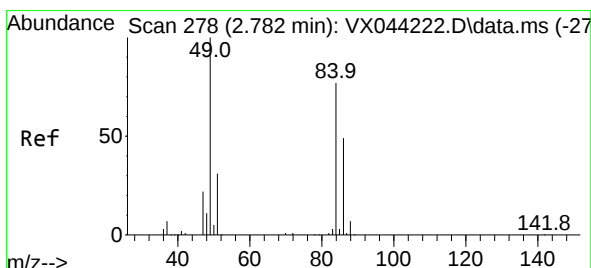
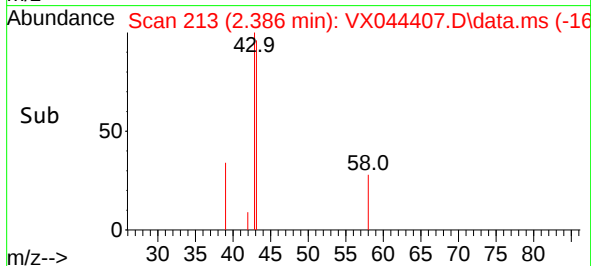
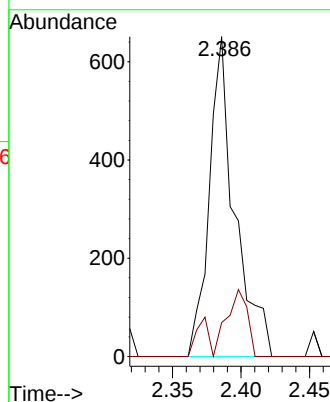
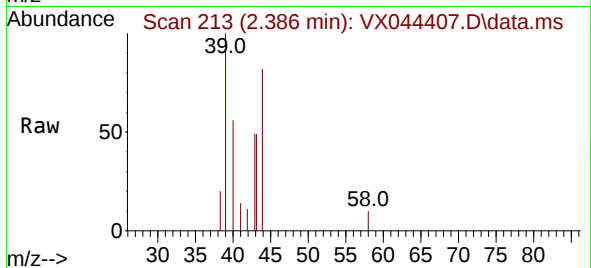
RW8-MW01D1-20241216

Tgt Ion: 43 Resp: 842

Ion Ratio Lower Upper

43 100

58 10.6 21.6 32.4#



#20

Methylene Chloride

Concen: 0.223 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX044407.D

Acq: 19 Dec 2024 02:34

Tgt Ion: 84 Resp: 335

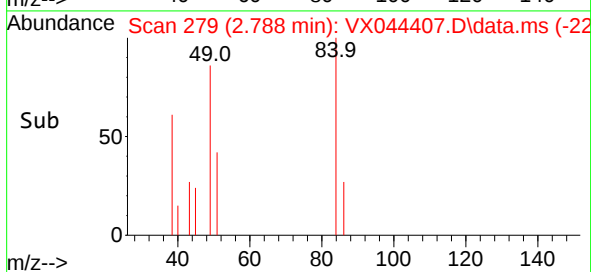
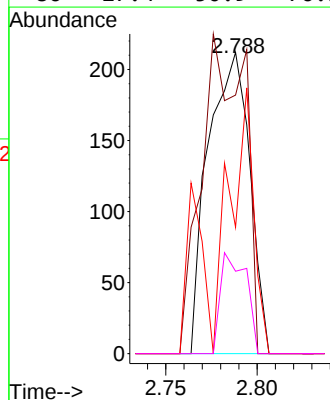
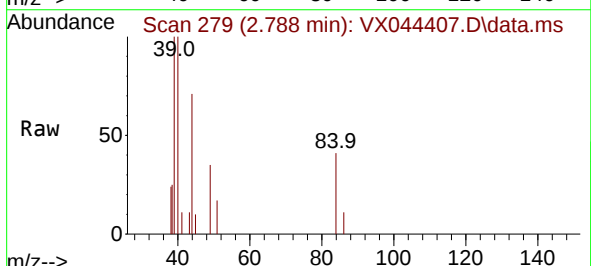
Ion Ratio Lower Upper

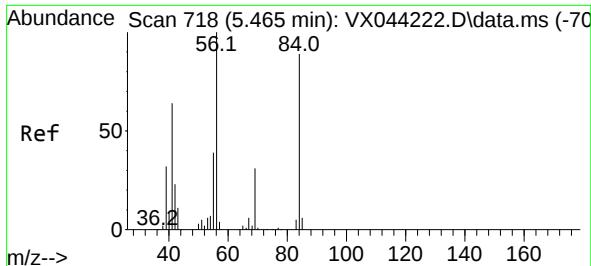
84 100

49 85.8 104.2 156.4#

51 42.0 32.2 48.4

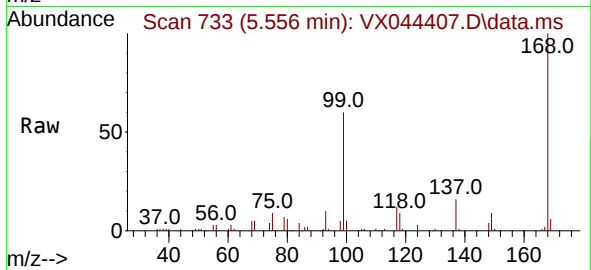
86 27.4 50.9 76.3#



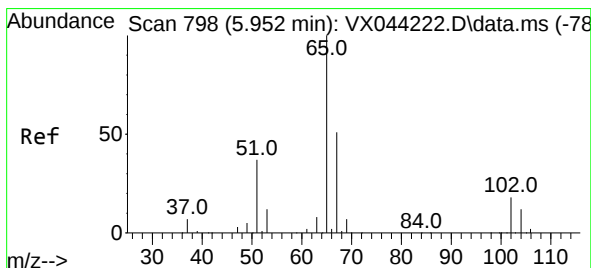
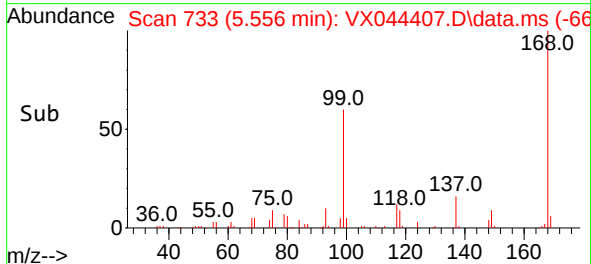
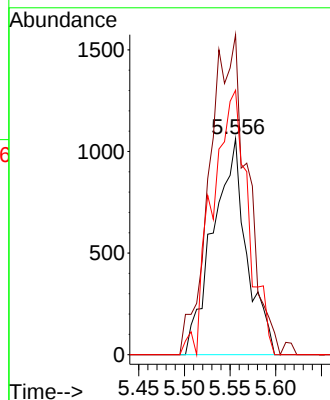


#31  
Cyclohexane  
Concen: 1.277 ug/l  
RT: 5.556 min Scan# 718  
Delta R.T. 0.091 min  
Lab File: VX044407.D  
Acq: 19 Dec 2024 02:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW8-MW01D1-20241216

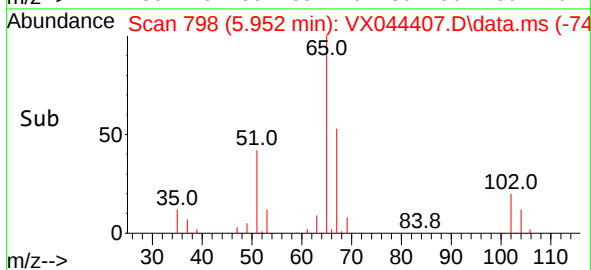
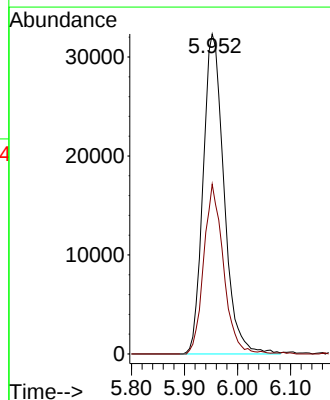
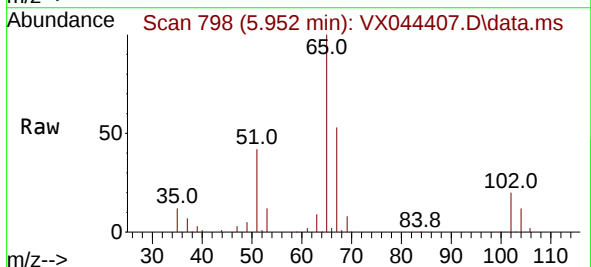


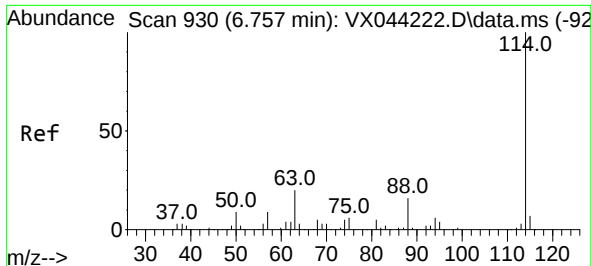
Tgt Ion: 56 Resp: 2705  
Ion Ratio Lower Upper  
56 100  
69 148.2 24.7 37.1#  
84 122.5 71.0 106.6#



#33  
1,2-Dichloroethane-d4  
Concen: 45.025 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX044407.D  
Acq: 19 Dec 2024 02:34

Tgt Ion: 65 Resp: 88393  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 101.6

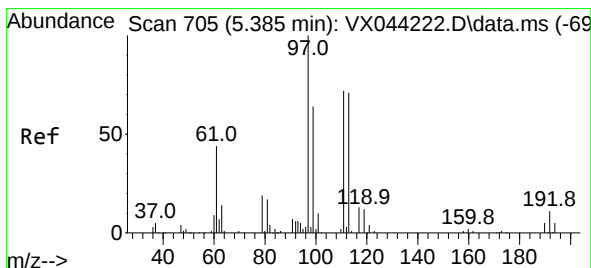
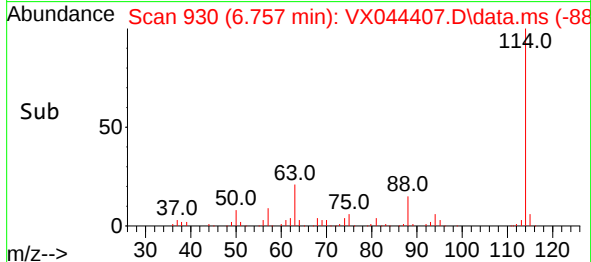
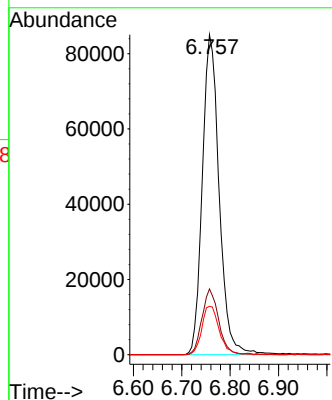
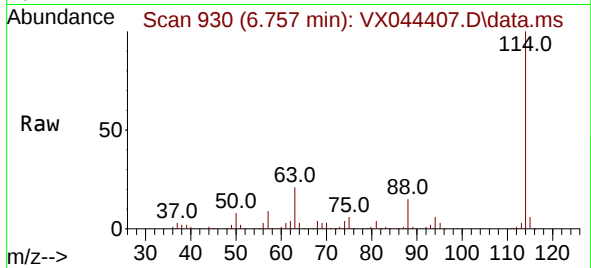




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX044407.D  
Acq: 19 Dec 2024 02:34

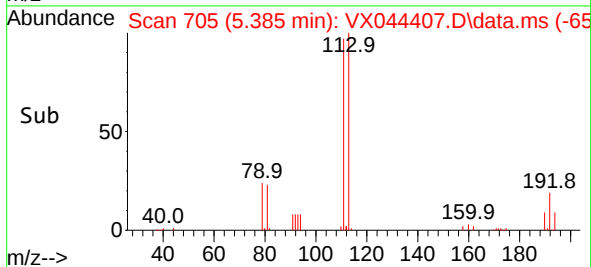
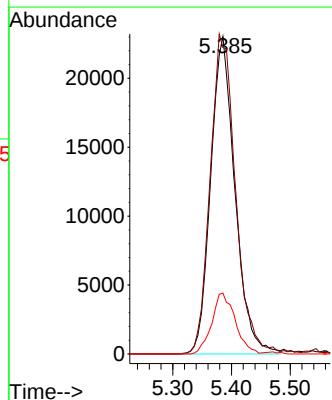
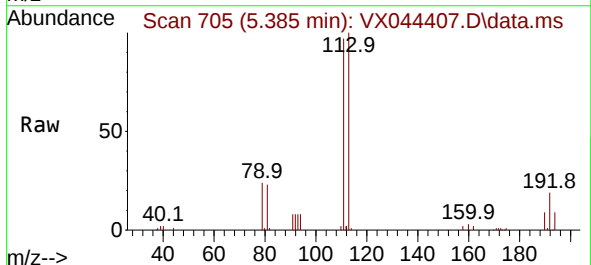
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW8-MW01D1-20241216

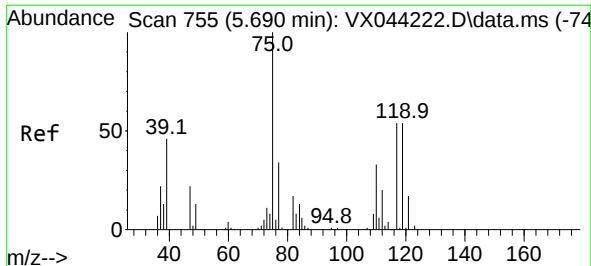
Tgt Ion:114 Resp: 205674  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 40.6  
88 15.1 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 46.303 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX044407.D  
Acq: 19 Dec 2024 02:34

Tgt Ion:113 Resp: 65958  
Ion Ratio Lower Upper  
113 100  
111 105.5 80.4 120.6  
192 18.6 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.641 ug/l

RT: 5.550 min Scan# 711

Delta R.T. -0.140 min

Lab File: VX044407.D

Acq: 19 Dec 2024 02:34

Instrument :

MSVOA\_X

ClientSampleId :

RW8-MW01D1-20241216

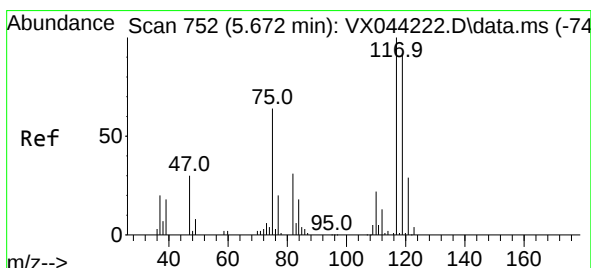
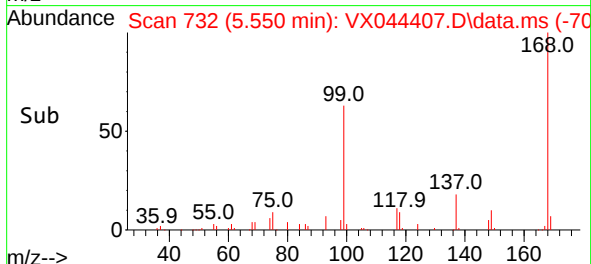
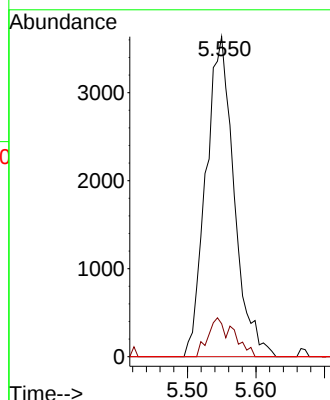
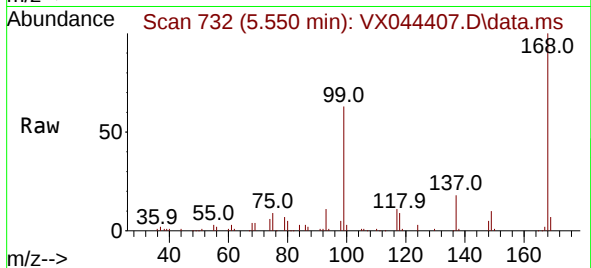
Tgt Ion: 75 Resp: 10387

Ion Ratio Lower Upper

75 100

110 11.0 17.3 51.7#

77 0.0 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 6.576 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX044407.D

Acq: 19 Dec 2024 02:34

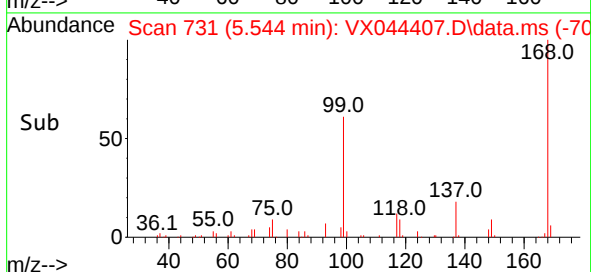
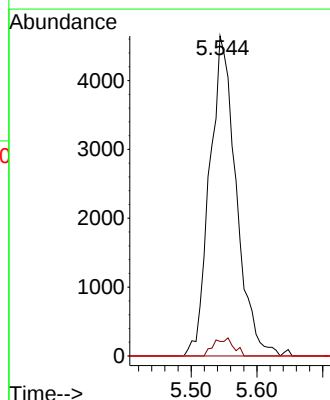
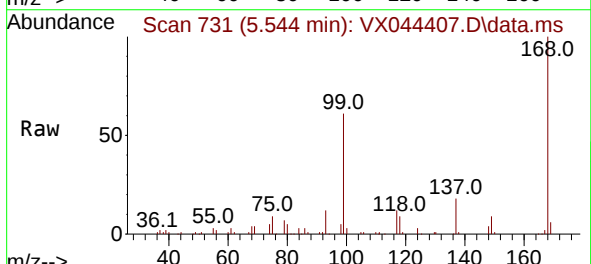
Tgt Ion: 117 Resp: 13036

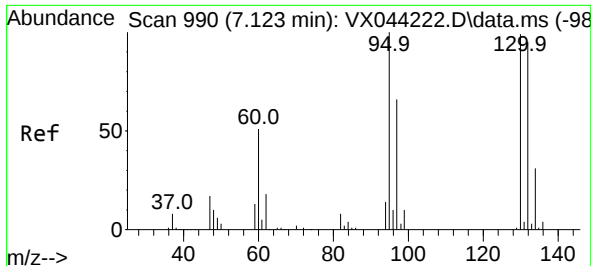
Ion Ratio Lower Upper

117 100

119 4.6 74.2 111.4#

121 0.0 23.0 34.6#

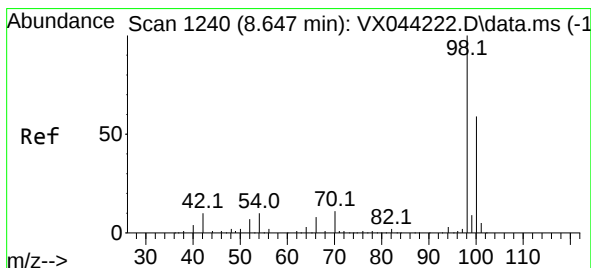
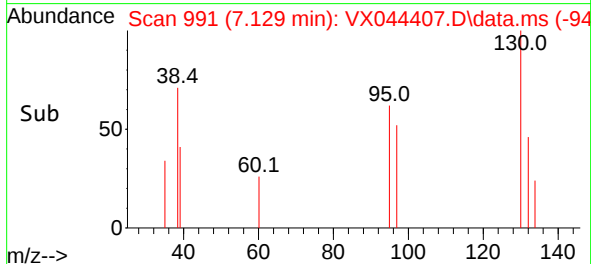
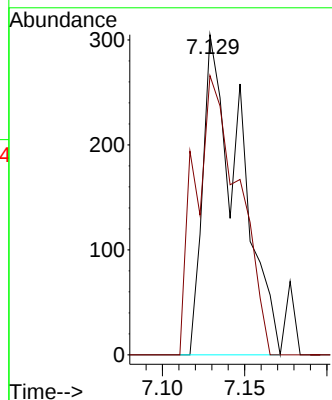
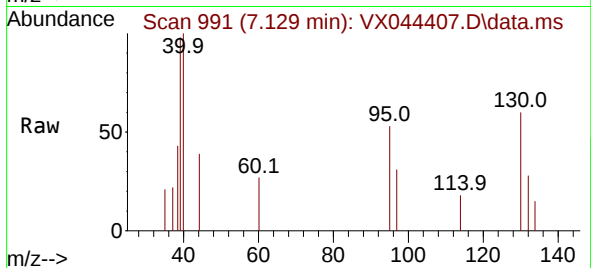




#44  
Trichloroethene  
Concen: 0.343 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VX044407.D  
Acq: 19 Dec 2024 02:34

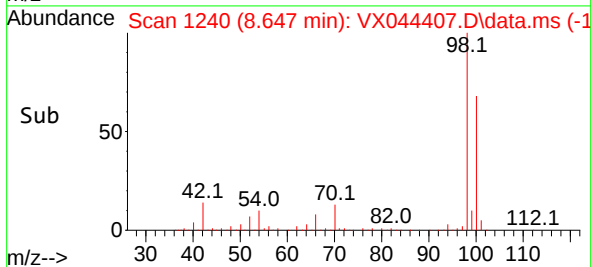
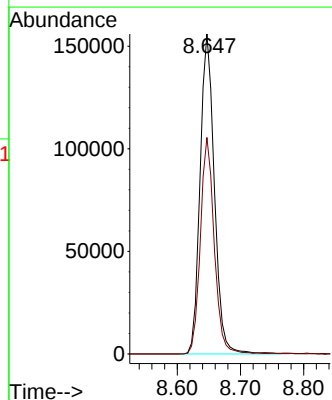
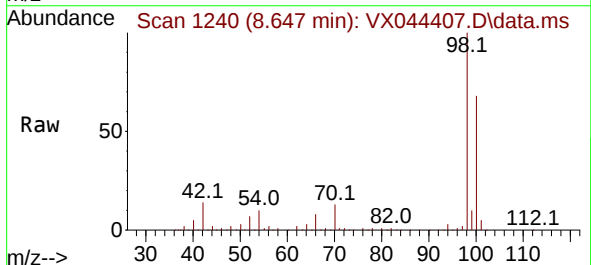
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW8-MW01D1-20241216

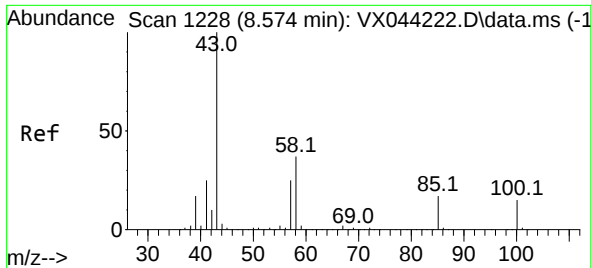
Tgt Ion:130 Resp: 478  
Ion Ratio Lower Upper  
130 100  
95 87.2 0.0 201.4



#50  
Toluene-d8  
Concen: 51.191 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX044407.D  
Acq: 19 Dec 2024 02:34

Tgt Ion: 98 Resp: 246011  
Ion Ratio Lower Upper  
98 100  
100 65.5 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 0.533 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX044407.D

Acq: 19 Dec 2024 02:34

Instrument :

MSVOA\_X

ClientSampleId :

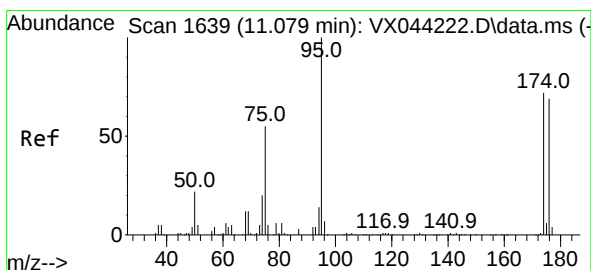
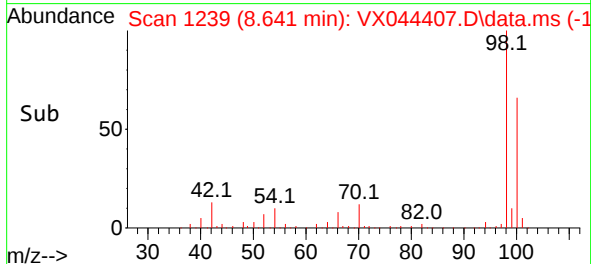
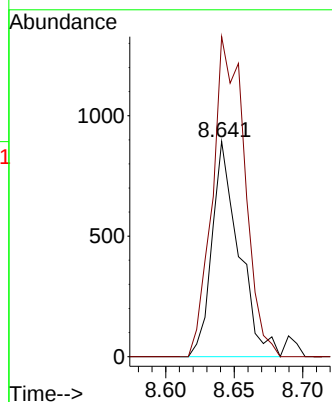
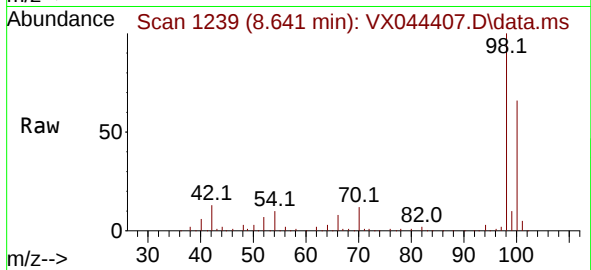
RW8-MW01D1-20241216

Tgt Ion: 43 Resp: 1219

Ion Ratio Lower Upper

43 100

58 177.7 29.4 44.0#



#62

4-Bromofluorobenzene

Concen: 45.862 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044407.D

Acq: 19 Dec 2024 02:34

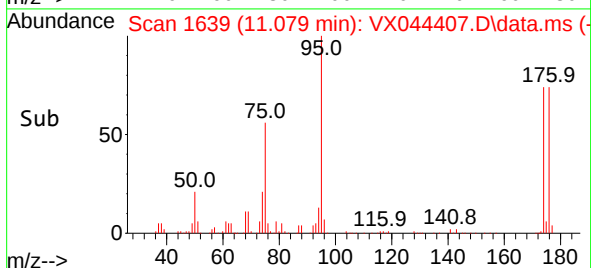
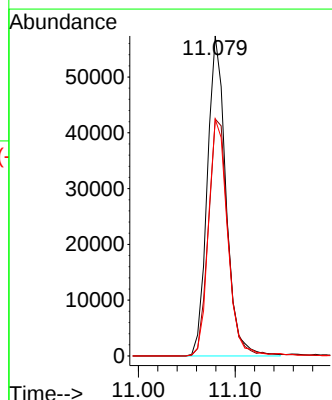
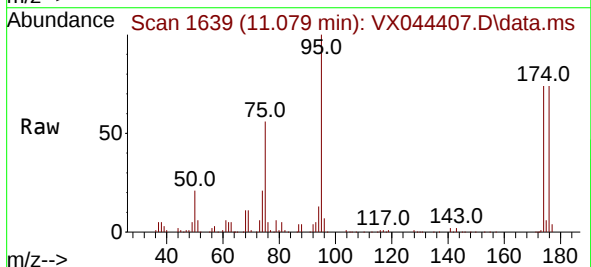
Tgt Ion: 95 Resp: 77014

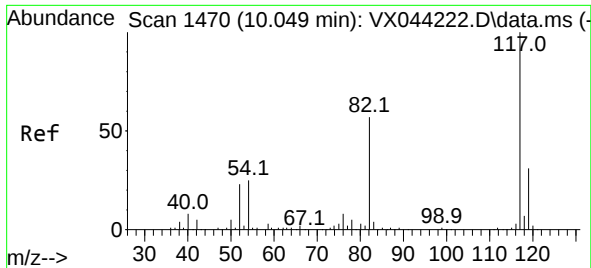
Ion Ratio Lower Upper

95 100

174 78.4 0.0 145.8

176 76.1 0.0 137.8

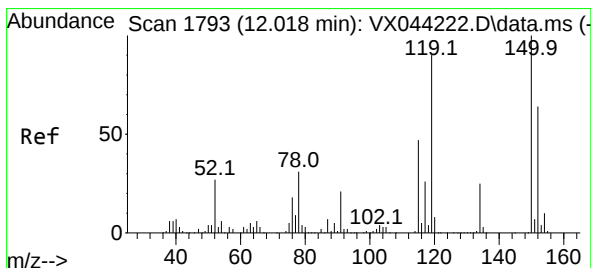
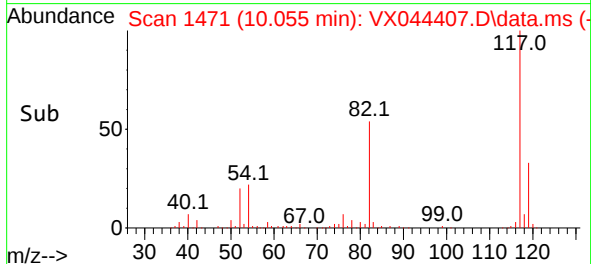
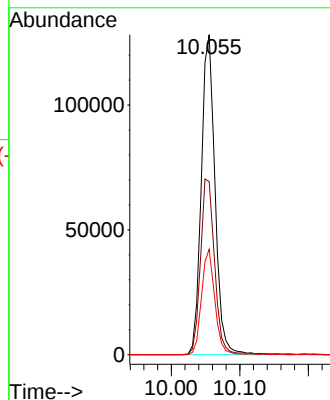
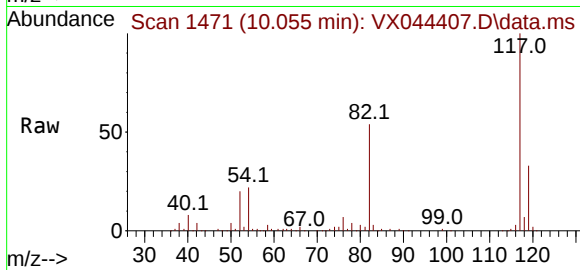




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1470  
Delta R.T. 0.006 min  
Lab File: VX044407.D  
Acq: 19 Dec 2024 02:34

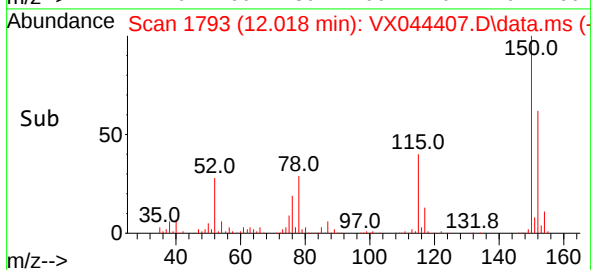
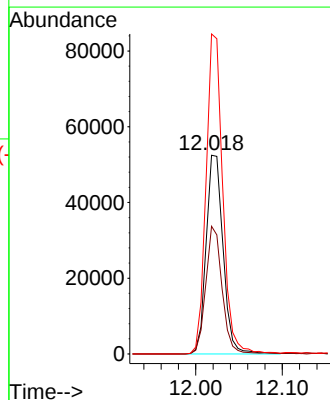
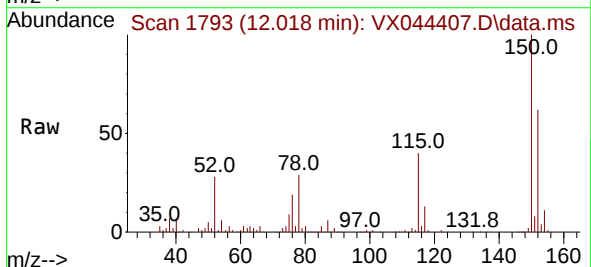
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW8-MW01D1-20241216

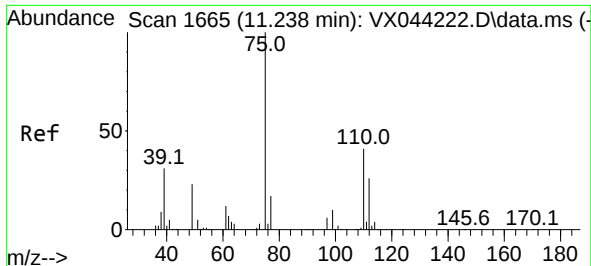
Tgt Ion:117 Resp: 179449  
Ion Ratio Lower Upper  
117 100  
82 54.1 45.8 68.8  
119 32.9 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VX044407.D  
Acq: 19 Dec 2024 02:34

Tgt Ion:152 Resp: 71479  
Ion Ratio Lower Upper  
152 100  
115 61.9 44.5 133.3  
150 158.1 0.0 353.8

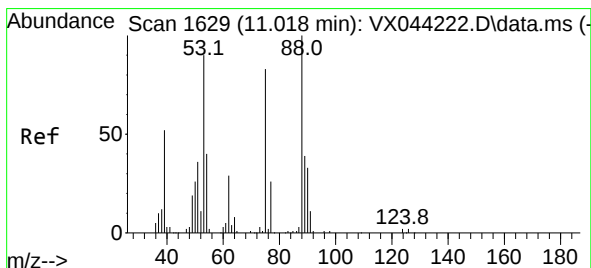
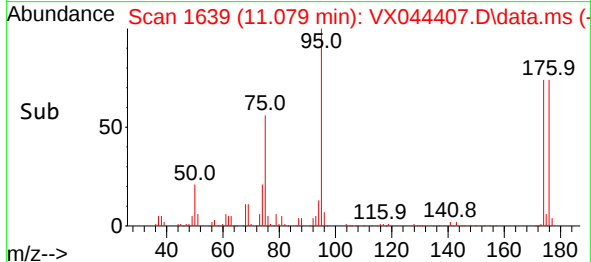
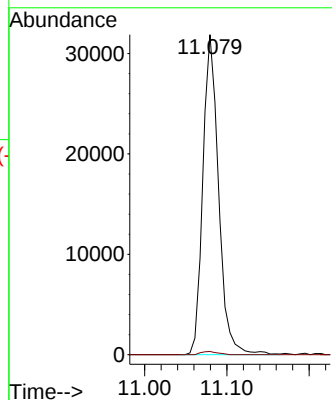
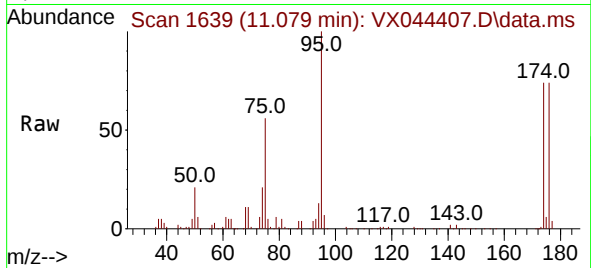




#76  
1,2,3-Trichloropropane  
Concen: 26.646 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX044407.D  
Acq: 19 Dec 2024 02:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW8-MW01D1-20241216

Tgt Ion: 75 Resp: 42525  
Ion Ratio Lower Upper  
75 100  
77 1.1 20.9 62.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 73.413 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX044407.D  
Acq: 19 Dec 2024 02:34

Tgt Ion: 75 Resp: 42525  
Ion Ratio Lower Upper  
75 100  
53 0.0 93.6 140.4#  
89 0.0 37.3 55.9#

