

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121824\  
 Data File : VX044415.D  
 Acq On : 19 Dec 2024 05:41 am  
 Operator : JC/MD  
 Sample : P5317-23  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB

Quant Time: Dec 19 06:41:52 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

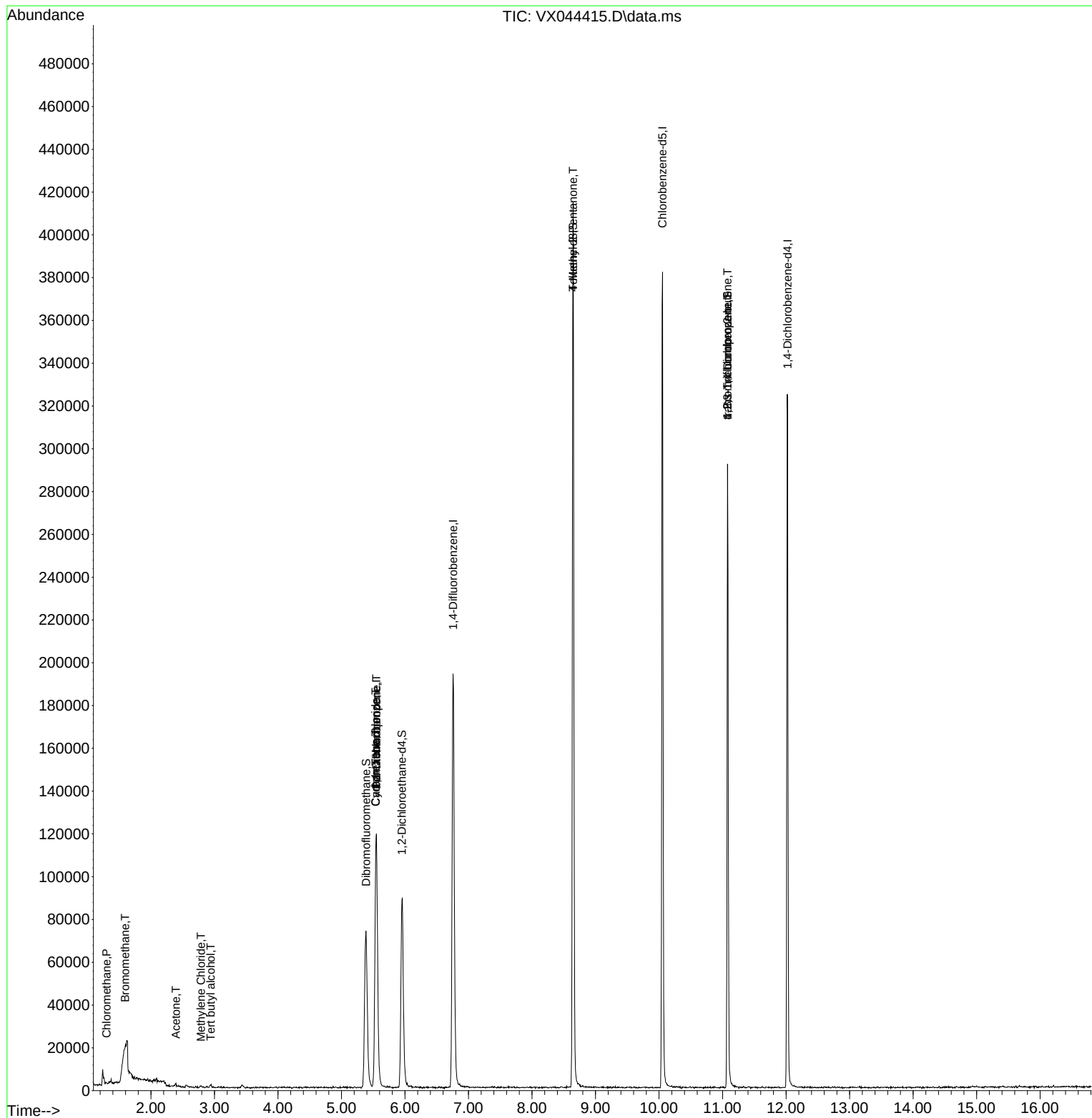
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 109432   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 198449   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 170843   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 68420    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 85281    | 44.447   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 88.900%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 63884    | 46.480   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 92.960%  |
| 50) Toluene-d8                | 8.647  | 98    | 238815   | 51.502   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 103.000% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 74913    | 46.235   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | =      | 92.460%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.300  | 50    | 599      | 0.370    | ug/l   | 99       |
| 5) Bromomethane               | 1.593  | 94    | 412      | 0.345    | ug/l # | 48       |
| 11) Tert butyl alcohol        | 2.940  | 59    | 510      | 1.886    | ug/l # | 71       |
| 16) Acetone                   | 2.392  | 43    | 948      | 1.212    | ug/l   | 90       |
| 20) Methylene Chloride        | 2.788  | 84    | 463      | 0.315    | ug/l # | 78       |
| 31) Cyclohexane               | 5.537  | 56    | 2656     | 1.283    | ug/l # | 28       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 9429     | 5.307    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.537  | 117   | 12045    | 6.297    | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1256     | 0.569    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 40926    | 26.790   | ug/l # | 35       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 40926    | 73.781   | ug/l # | 4        |
| -----                         |        |       |          |          |        |          |

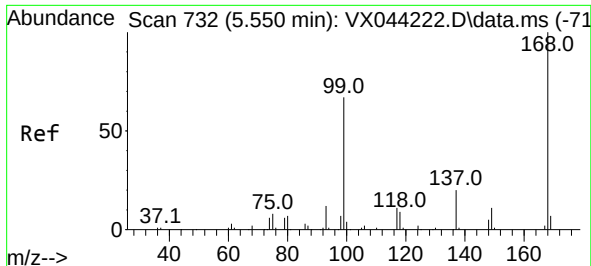
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB

Quant Time: Dec 19 06:41:52 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

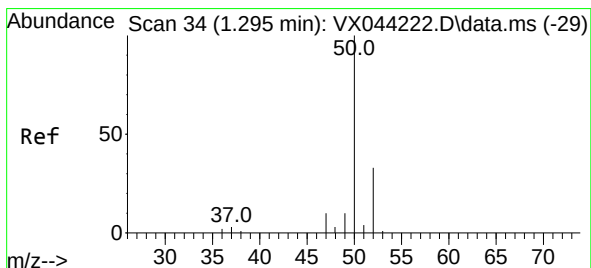
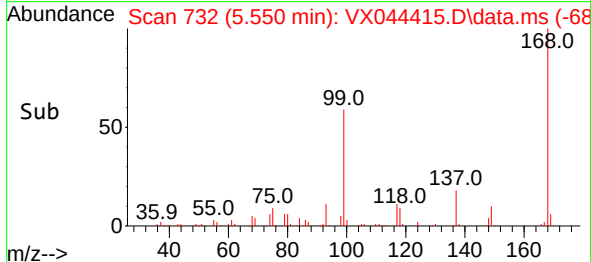
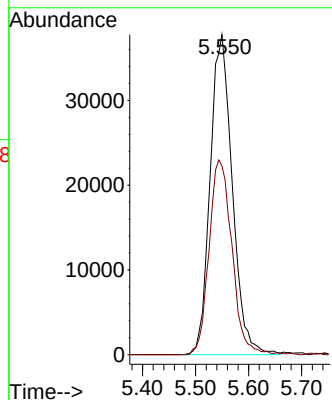
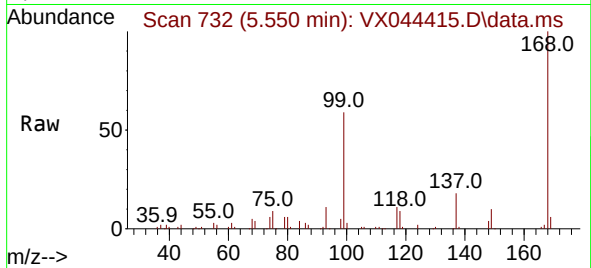




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX044415.D  
Acq: 19 Dec 2024 05:41

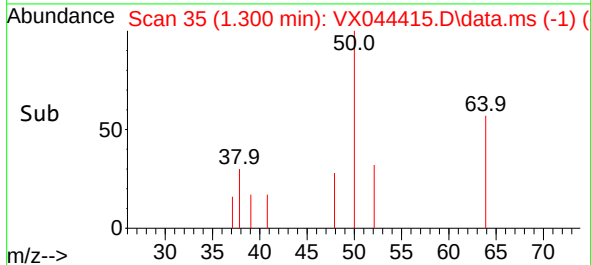
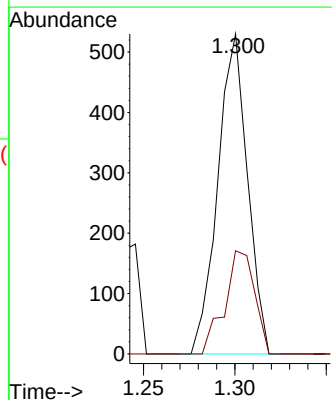
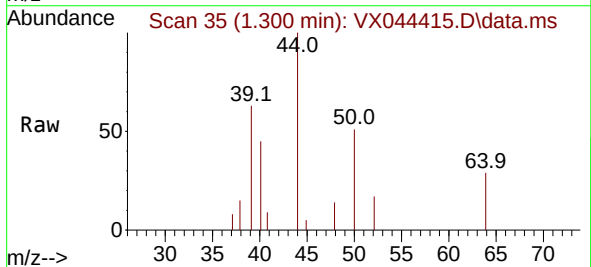
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB

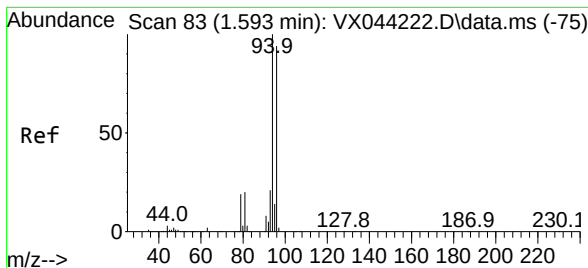
Tgt Ion:168 Resp: 109432  
Ion Ratio Lower Upper  
168 100  
99 59.0 53.4 80.0



#3  
Chloromethane  
Concen: 0.370 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. 0.006 min  
Lab File: VX044415.D  
Acq: 19 Dec 2024 05:41 am

Tgt Ion: 50 Resp: 599  
Ion Ratio Lower Upper  
50 100  
52 32.3 26.5 39.7





#5

Bromomethane

Concen: 0.345 ug/l

RT: 1.593 min Scan# 81

Delta R.T. -0.000 min

Lab File: VX044415.D

Acq: 19 Dec 2024 05:41

Instrument :

MSVOA\_X

ClientSampleId :

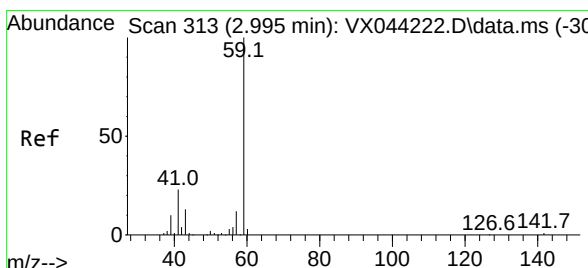
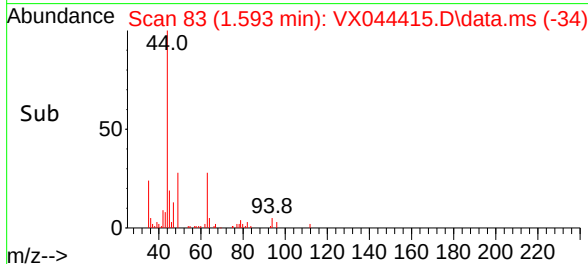
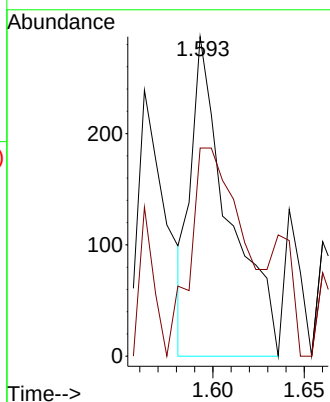
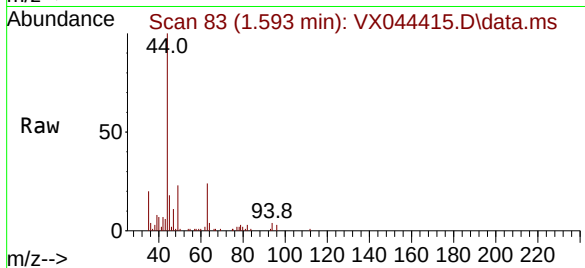
TB

Tgt Ion: 94 Resp: 412

Ion Ratio Lower Upper

94 100

96 43.2 74.9 112.3#



#11

Tert butyl alcohol

Concen: 1.886 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX044415.D

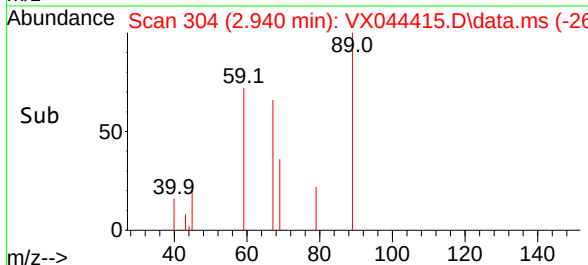
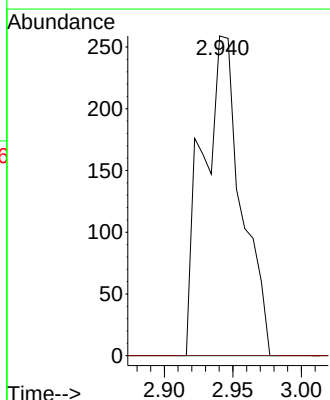
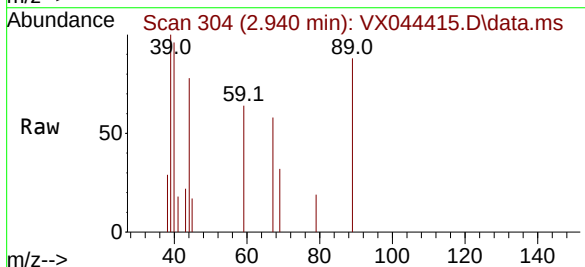
Acq: 19 Dec 2024 05:41 am

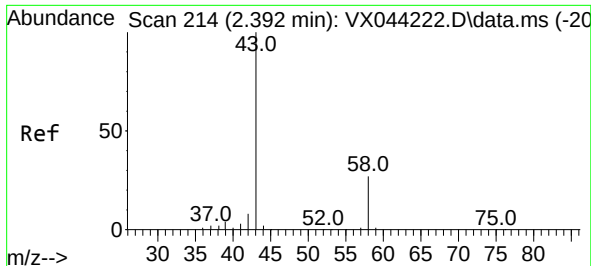
Tgt Ion: 59 Resp: 510

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#

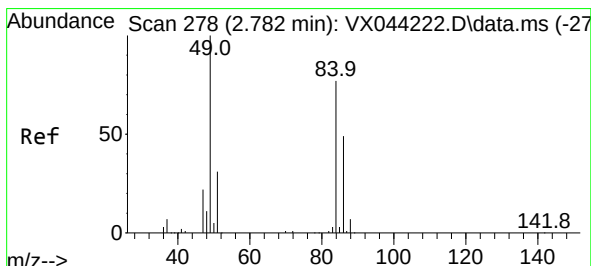
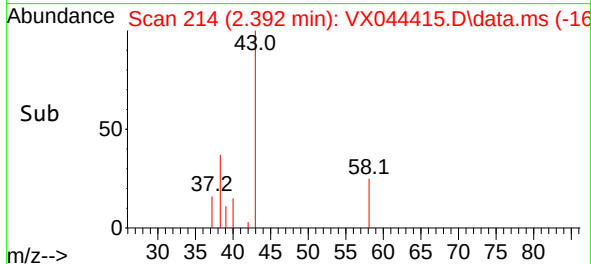
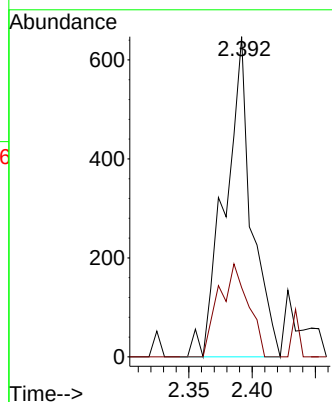
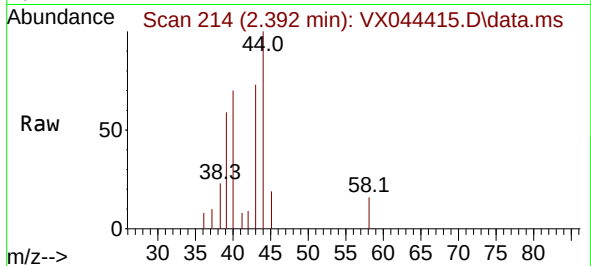




#16  
Acetone  
Concen: 1.212 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX044415.D  
Acq: 19 Dec 2024 05:41

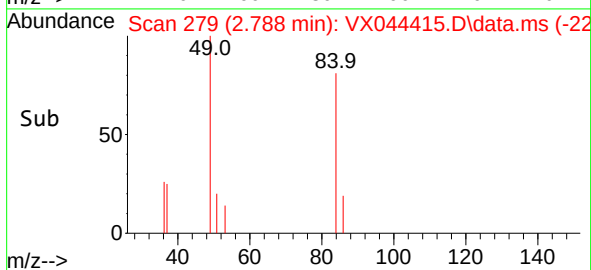
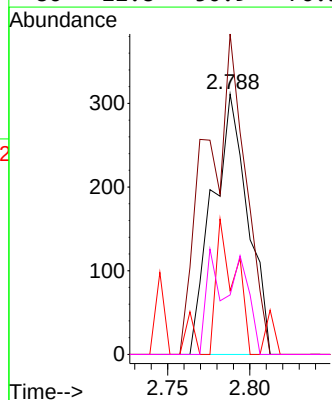
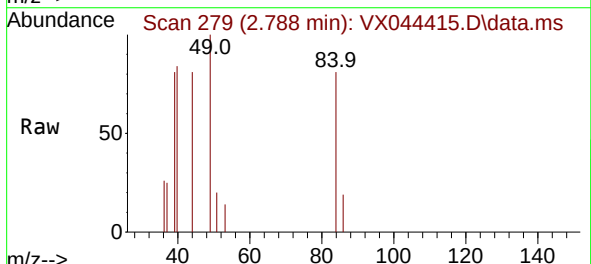
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB

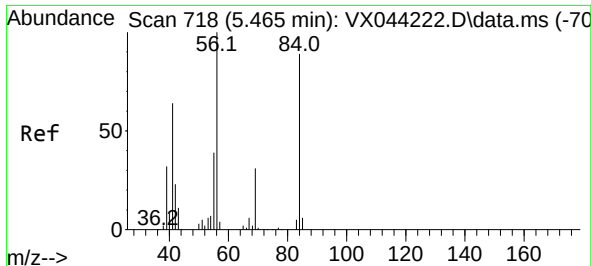
Tgt Ion: 43 Resp: 948  
Ion Ratio Lower Upper  
43 100  
58 21.6 21.6 32.4



#20  
Methylene Chloride  
Concen: 0.315 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.006 min  
Lab File: VX044415.D  
Acq: 19 Dec 2024 05:41 am

Tgt Ion: 84 Resp: 463  
Ion Ratio Lower Upper  
84 100  
49 123.2 104.2 156.4  
51 24.4 32.2 48.4#  
86 22.8 50.9 76.3#

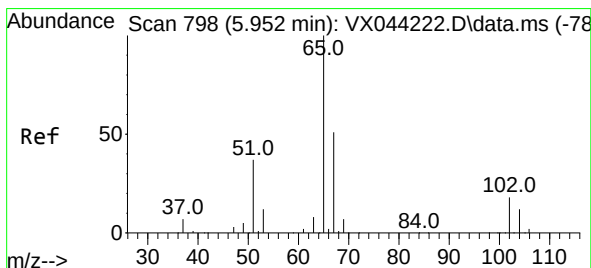
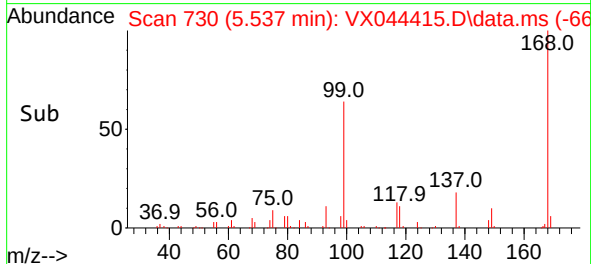
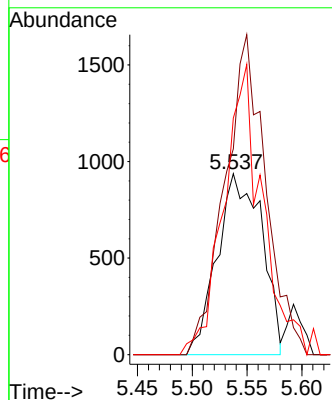
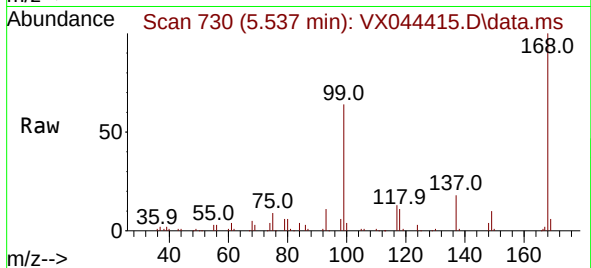




#31  
Cyclohexane  
Concen: 1.283 ug/l  
RT: 5.537 min Scan# 718  
Delta R.T. 0.073 min  
Lab File: VX044415.D  
Acq: 19 Dec 2024 05:41

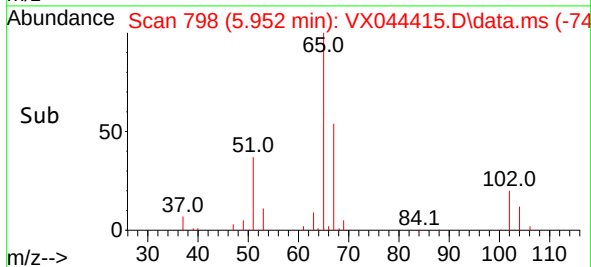
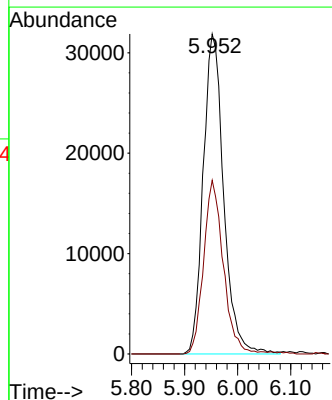
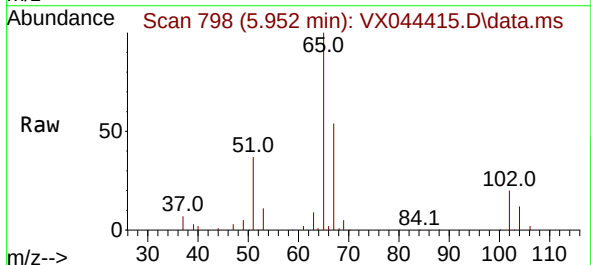
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB

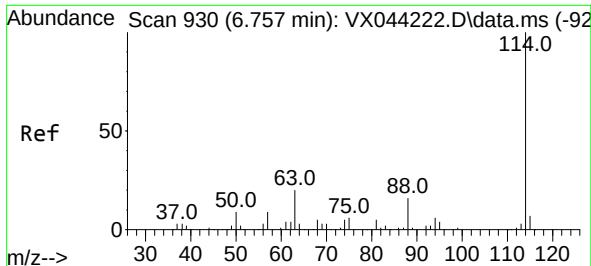
Tgt Ion: 56 Resp: 2656  
Ion Ratio Lower Upper  
56 100  
69 113.7 24.7 37.1#  
84 130.7 71.0 106.6#



#33  
1,2-Dichloroethane-d4  
Concen: 44.447 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX044415.D  
Acq: 19 Dec 2024 05:41 am

Tgt Ion: 65 Resp: 85281  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 101.6

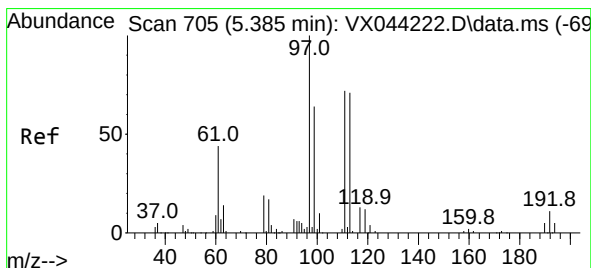
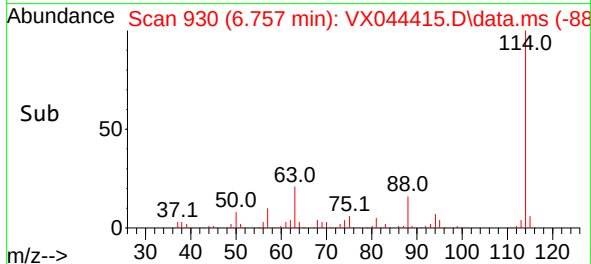
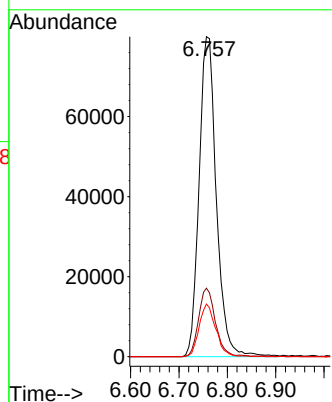
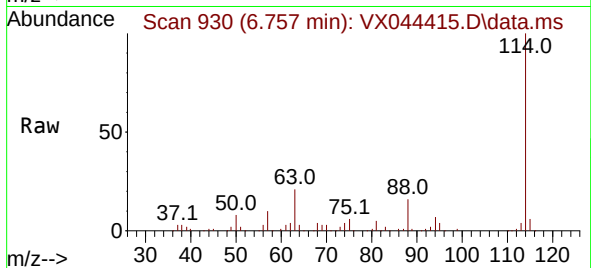




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX044415.D  
Acq: 19 Dec 2024 05:41

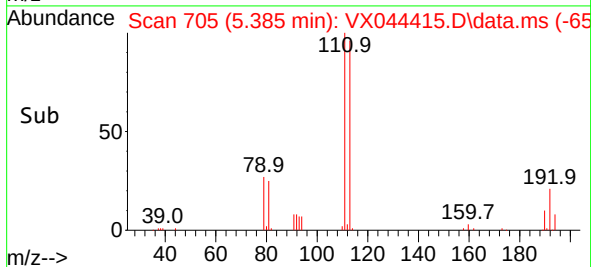
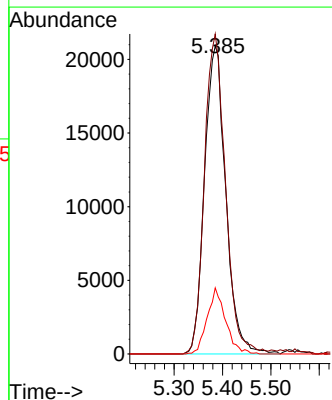
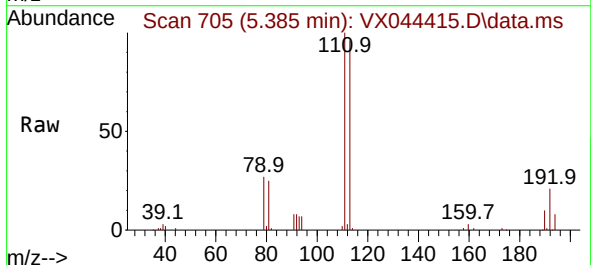
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB

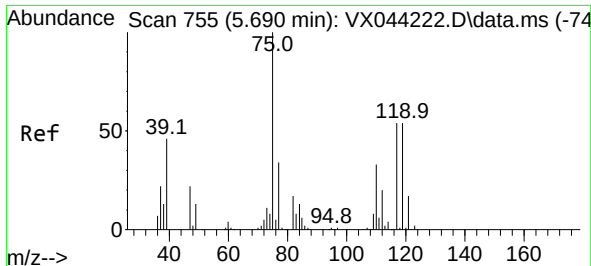
Tgt Ion:114 Resp: 198449  
Ion Ratio Lower Upper  
114 100  
63 21.4 0.0 40.6  
88 16.5 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 46.480 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX044415.D  
Acq: 19 Dec 2024 05:41 am

Tgt Ion:113 Resp: 63884  
Ion Ratio Lower Upper  
113 100  
111 102.5 80.4 120.6  
192 18.6 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.307 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX044415.D

Acq: 19 Dec 2024 05:41

Instrument :

MSVOA\_X

ClientSampleId :

1B

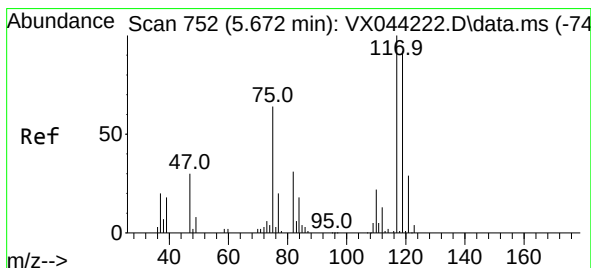
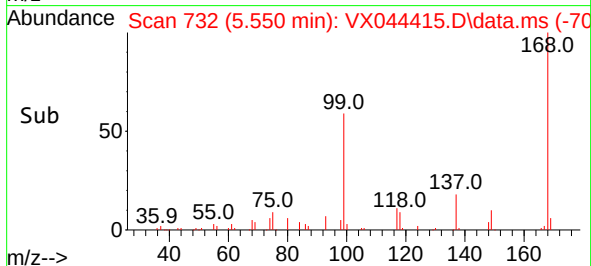
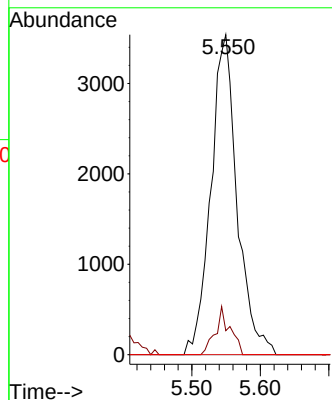
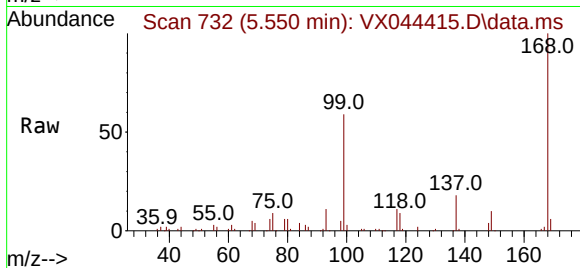
Tgt Ion: 75 Resp: 9429

Ion Ratio Lower Upper

75 100

110 8.4 17.3 51.7#

77 0.0 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 6.297 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX044415.D

Acq: 19 Dec 2024 05:41 am

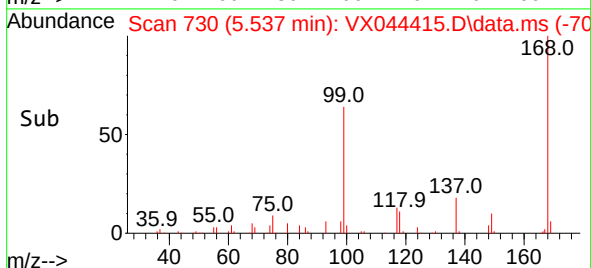
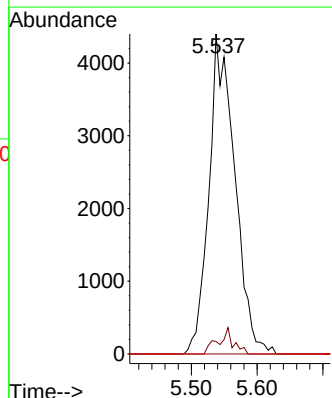
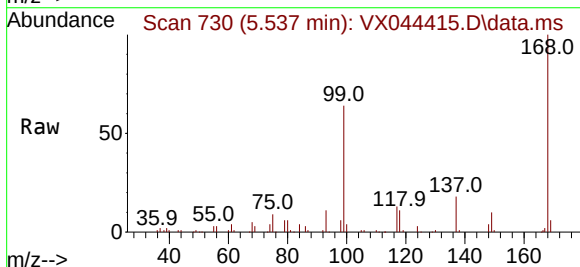
Tgt Ion: 117 Resp: 12045

Ion Ratio Lower Upper

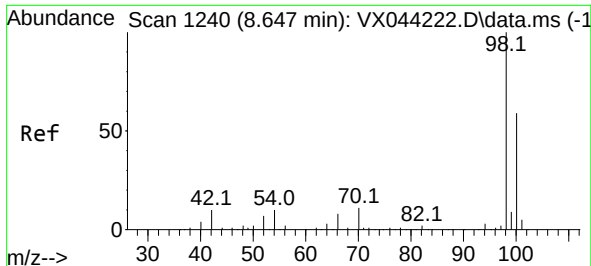
117 100

119 3.9 74.2 111.4#

121 0.0 23.0 34.6#



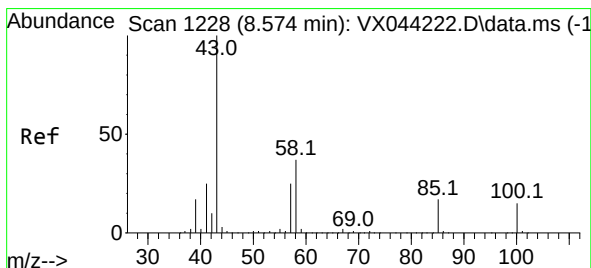
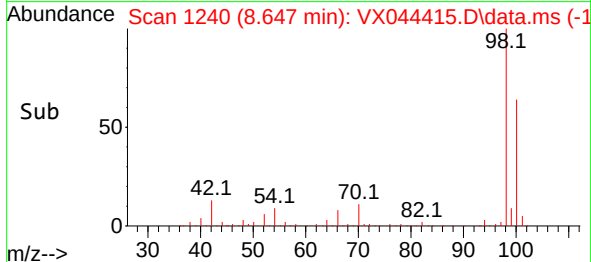
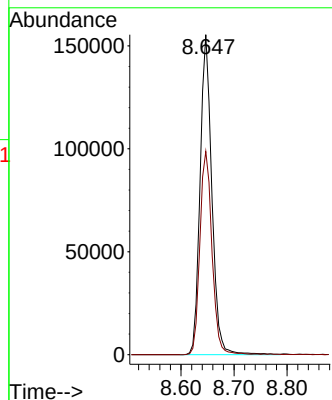
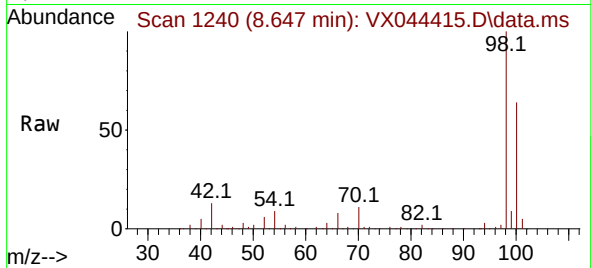




#50  
Toluene-d8  
Concen: 51.502 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX044415.D  
Acq: 19 Dec 2024 05:41

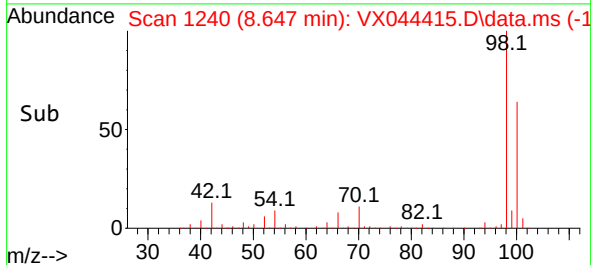
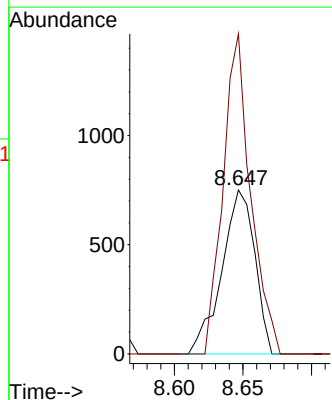
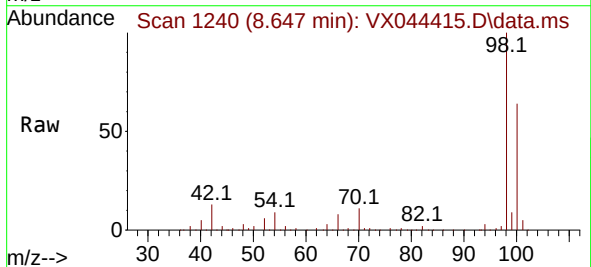
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB

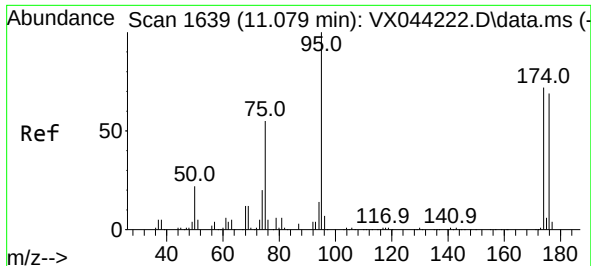
Tgt Ion: 98 Resp: 238815  
Ion Ratio Lower Upper  
98 100  
100 65.3 51.5 77.3



#51  
4-Methyl-2-Pentanone  
Concen: 0.569 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX044415.D  
Acq: 19 Dec 2024 05:41 am

Tgt Ion: 43 Resp: 1256  
Ion Ratio Lower Upper  
43 100  
58 163.3 29.4 44.0#

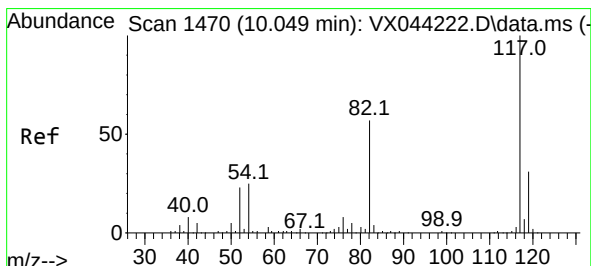
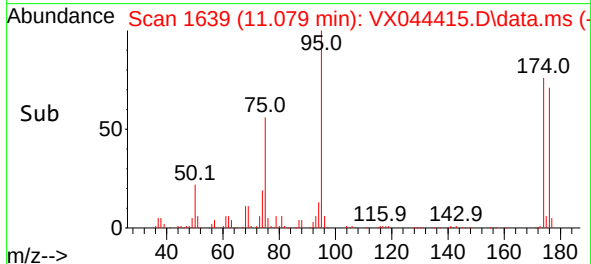
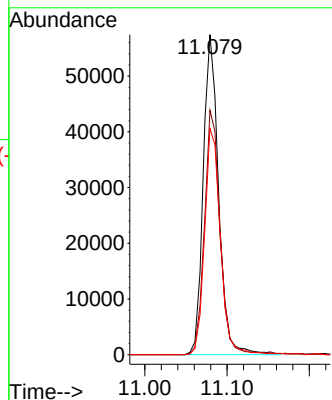
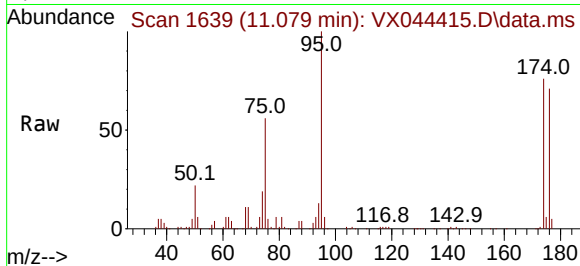




#62  
4-Bromofluorobenzene  
Concen: 46.235 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX044415.D  
Acq: 19 Dec 2024 05:41

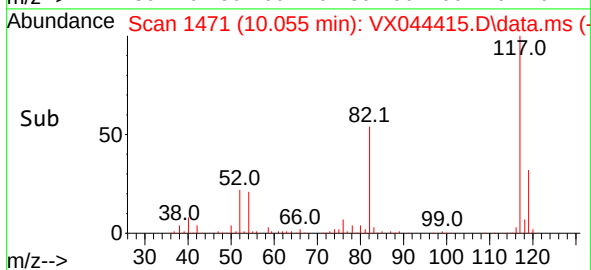
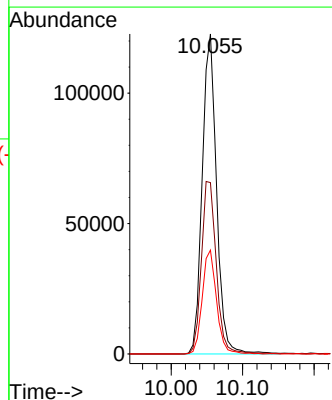
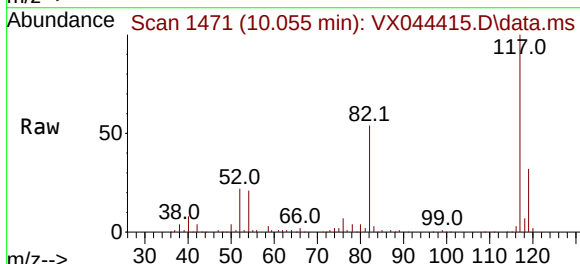
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB

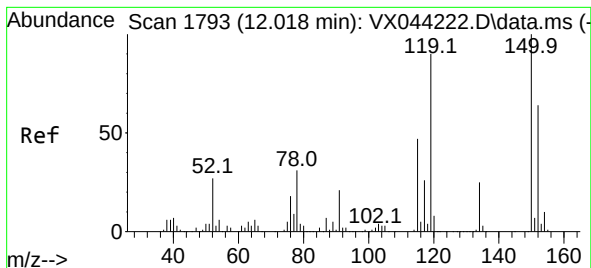
Tgt Ion: 95 Resp: 74913  
Ion Ratio Lower Upper  
95 100  
174 77.0 0.0 145.8  
176 72.3 0.0 137.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.006 min  
Lab File: VX044415.D  
Acq: 19 Dec 2024 05:41 am

Tgt Ion: 117 Resp: 170843  
Ion Ratio Lower Upper  
117 100  
82 53.6 45.8 68.8  
119 32.5 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044415.D

Acq: 19 Dec 2024 05:41

Instrument :

MSVOA\_X

ClientSampleId :

1B

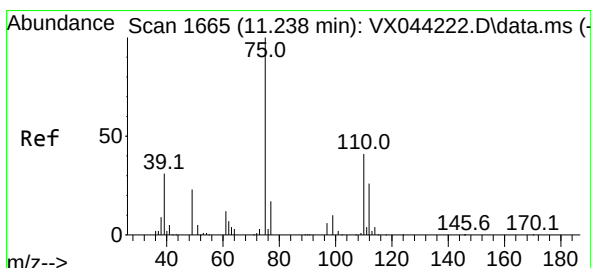
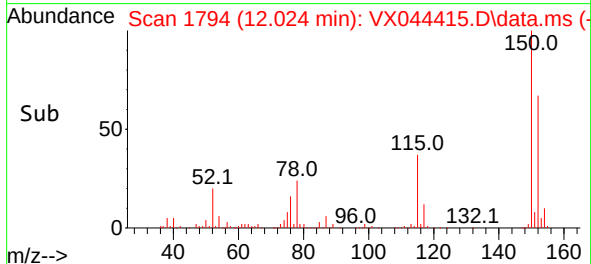
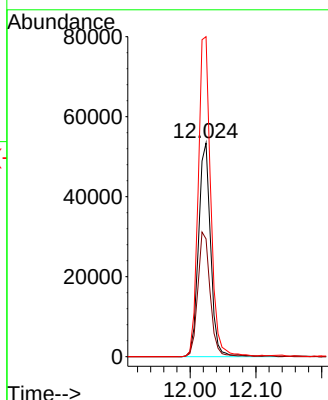
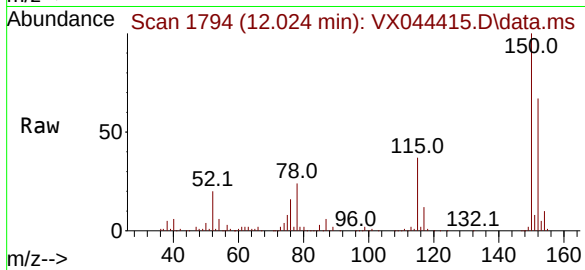
Tgt Ion:152 Resp: 68420

Ion Ratio Lower Upper

152 100

115 59.7 44.5 133.3

150 154.5 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 26.790 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044415.D

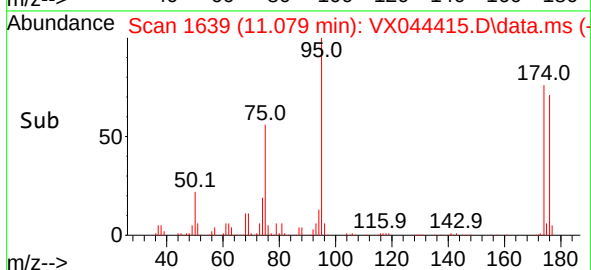
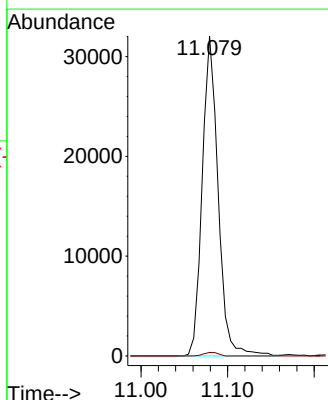
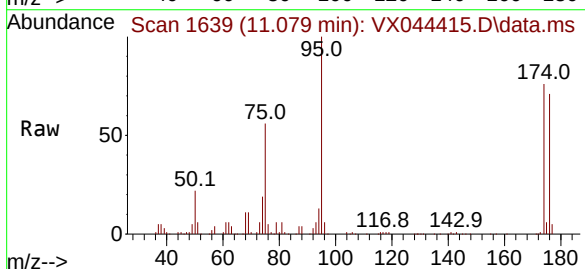
Acq: 19 Dec 2024 05:41 am

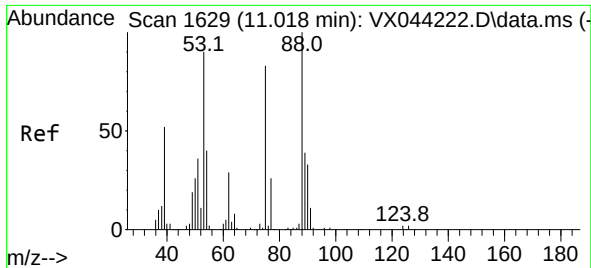
Tgt Ion: 75 Resp: 40926

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.7#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 73.781 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX044415.D  
 Acq: 19 Dec 2024 05:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB

Tgt Ion: 75 Resp: 40926  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 93.6 140.4#  
 89 0.2 37.3 55.9#

