

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021225\  
 Data File : VX044941.D  
 Acq On : 12 Feb 2025 18:16  
 Operator : JC/MD  
 Sample : Q1356-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Feb 13 00:53:34 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

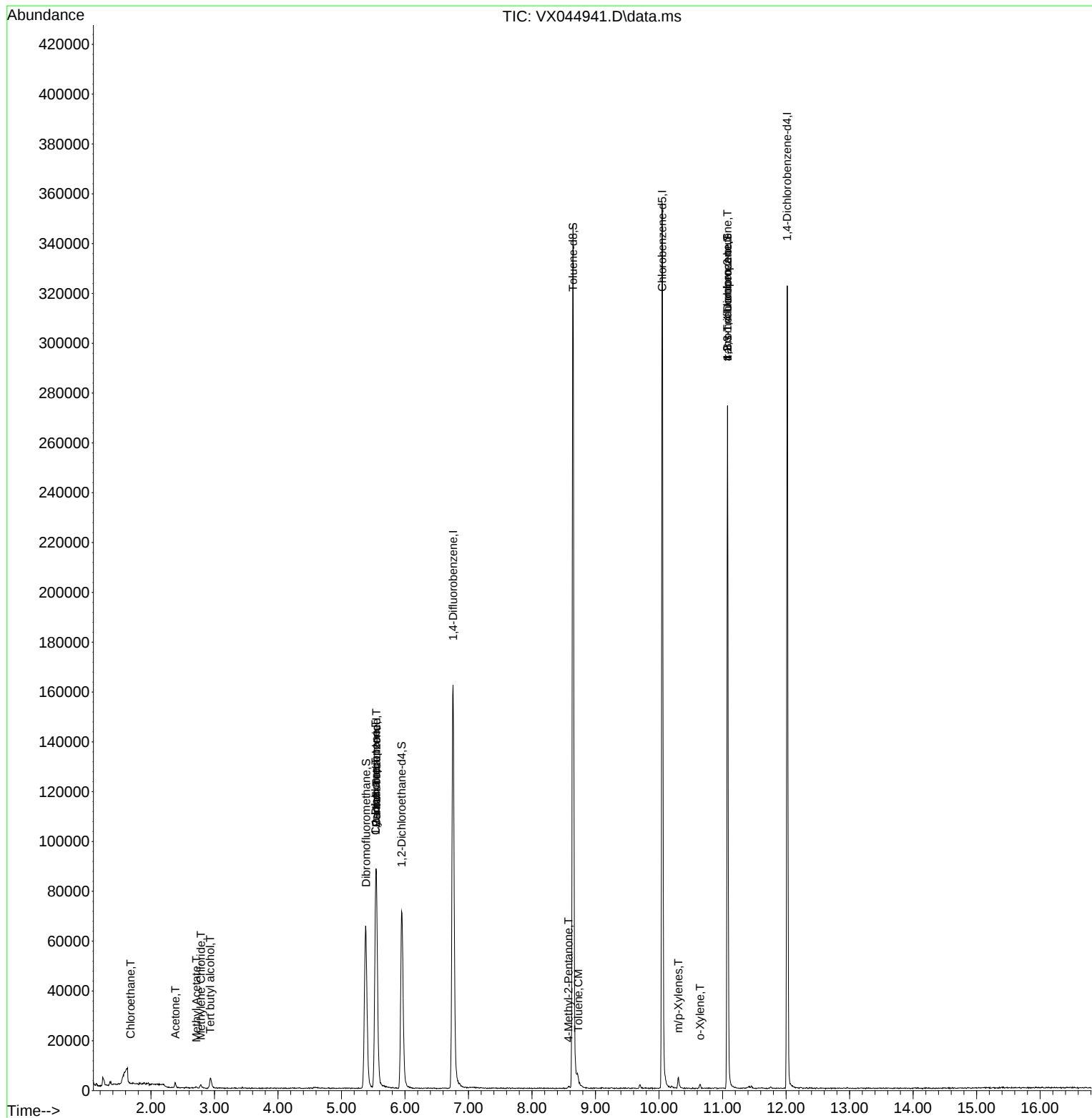
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 84607    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 171255   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.049 | 117   | 157249   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 64055    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.946  | 65    | 67934    | 54.852   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 109.700% |          |
| 35) Dibromofluoromethane      | 5.385  | 113   | 57263    | 51.429   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 102.860% |          |
| 50) Toluene-d8                | 8.647  | 98    | 215155   | 51.101   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 102.200% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 72785    | 51.278   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 102.560% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 6) Chloroethane               | 1.679  | 64    | 177      | 1.602    | ug/l #     | 42       |
| 11) Tert butyl alcohol        | 2.934  | 59    | 2380     | 10.359   | ug/l #     | 73       |
| 16) Acetone                   | 2.386  | 43    | 1941     | 3.898    | ug/l       | 88       |
| 18) Methyl Acetate            | 2.715  | 43    | 651      | 0.414    | ug/l #     | 58       |
| 20) Methylene Chloride        | 2.788  | 84    | 603      | 0.494    | ug/l #     | 90       |
| 31) Cyclohexane               | 5.538  | 56    | 2166     | 1.126    | ug/l #     | 5        |
| 36) 1,1-Dichloropropene       | 5.538  | 75    | 7699     | 4.793    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 9022     | 5.731    | ug/l #     | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43    | 688      | 0.392    | ug/l       | 100      |
| 52) Toluene                   | 8.726  | 92    | 1173     | 0.393    | ug/l       | 85       |
| 68) m/p-Xylenes               | 10.305 | 106   | 1411     | 0.642    | ug/l       | 98       |
| 69) o-Xylene                  | 10.646 | 106   | 510      | 0.231    | ug/l       | 95       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 38690    | 27.243   | ug/l #     | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 38690    | 70.079   | ug/l #     | 11       |
| -----                         |        |       |          |          |            |          |

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

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Sample : Q1356-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Feb 13 00:53:34 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

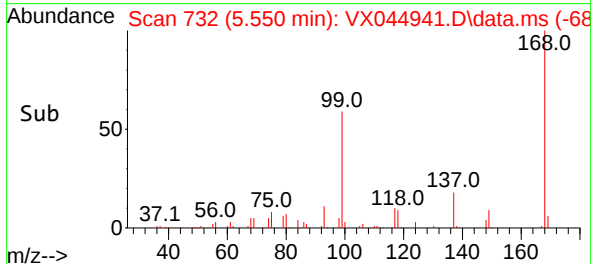
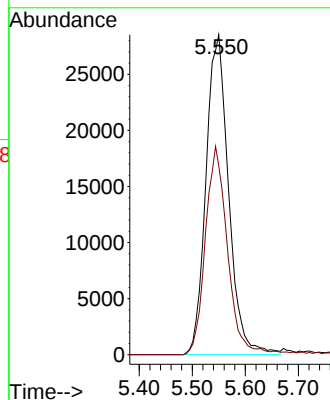
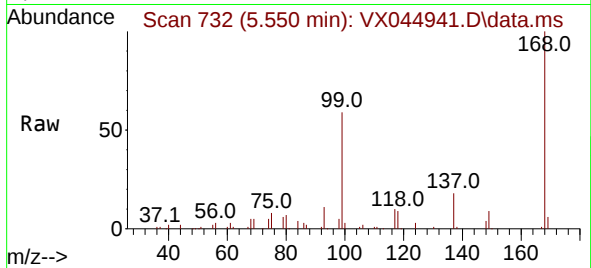




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

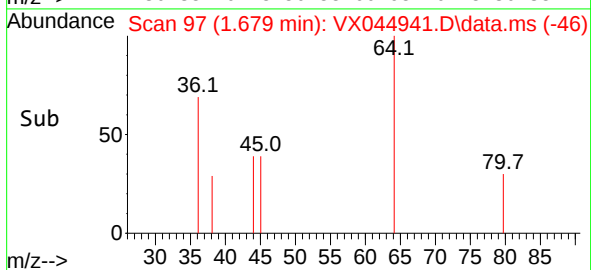
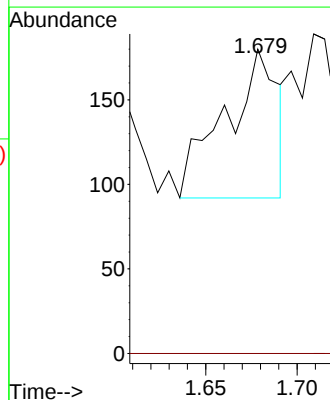
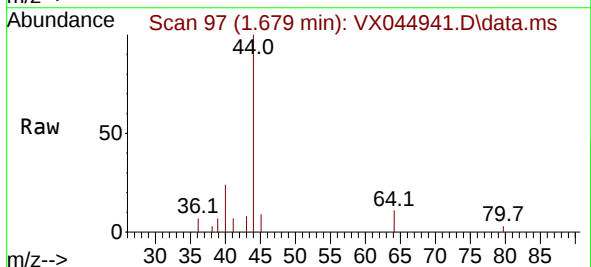
Instrument :  
MSVOA\_X  
ClientSampleId :

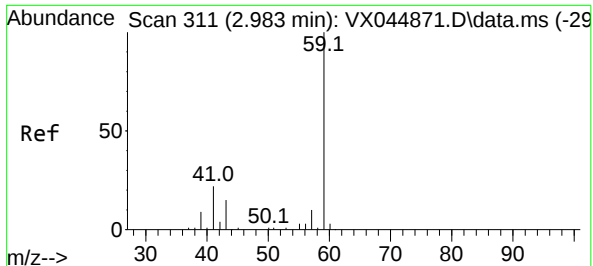
Tgt Ion:168 Resp: 84607  
Ion Ratio Lower Upper  
168 100  
99 59.0 51.2 76.8



#6  
Chloroethane  
Concen: 1.602 ug/l  
RT: 1.679 min Scan# 97  
Delta R.T. 0.013 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

Tgt Ion: 64 Resp: 177  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 10.359 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.048 min

Lab File: VX044941.D

Acq: 12 Feb 2025 18:16

Instrument :

MSVOA\_X

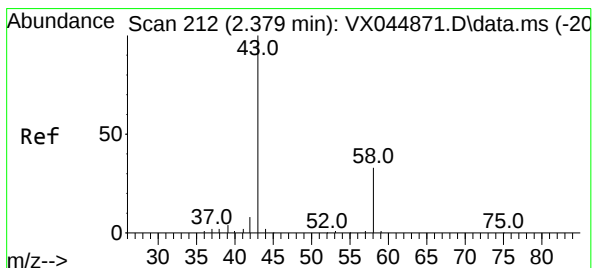
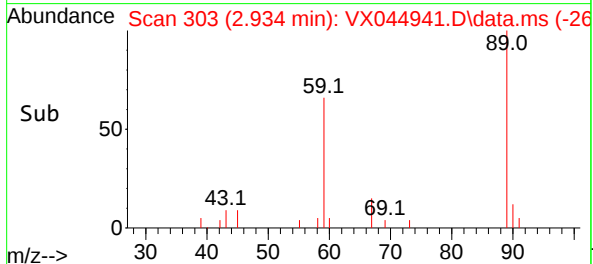
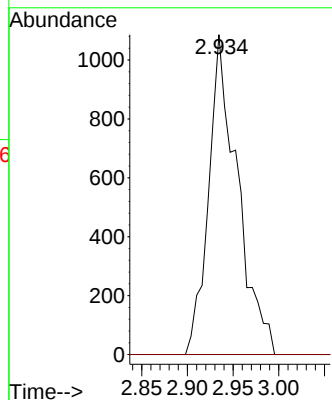
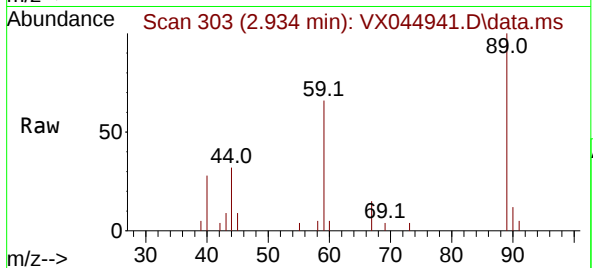
ClientSampleId :

Tgt Ion: 59 Resp: 2380

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 3.898 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX044941.D

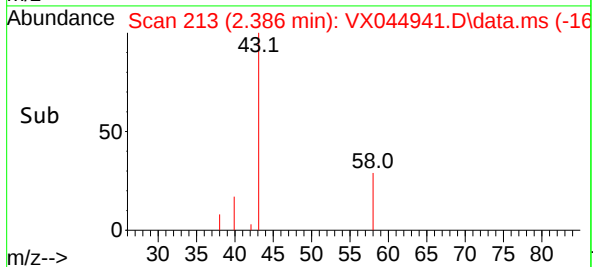
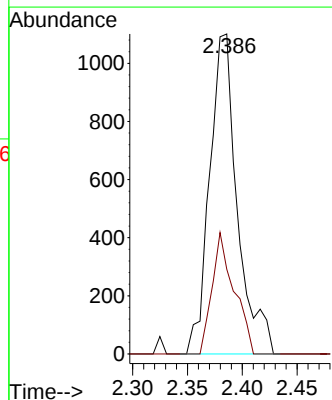
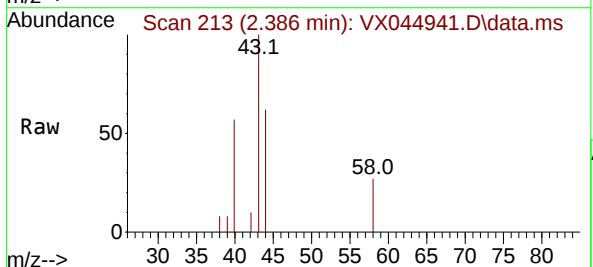
Acq: 12 Feb 2025 18:16

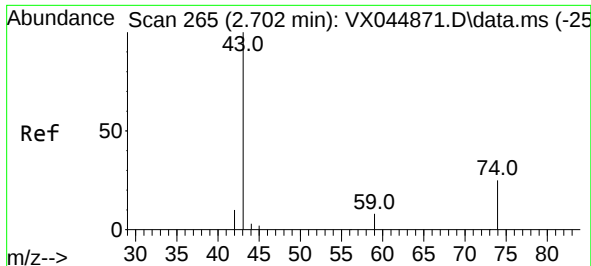
Tgt Ion: 43 Resp: 1941

Ion Ratio Lower Upper

43 100

58 26.5 26.5 39.7

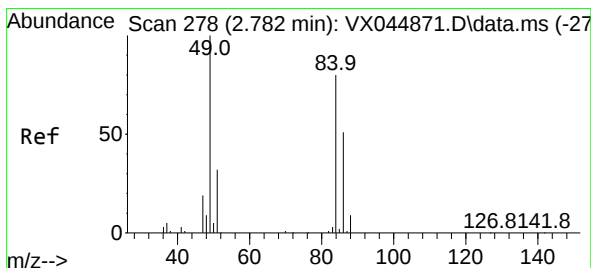
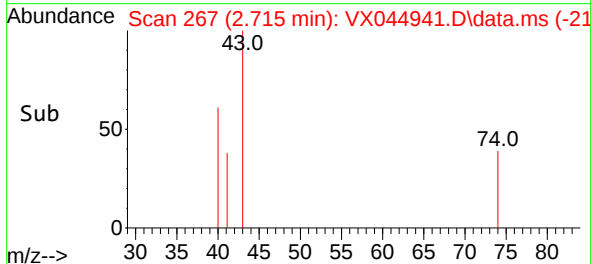
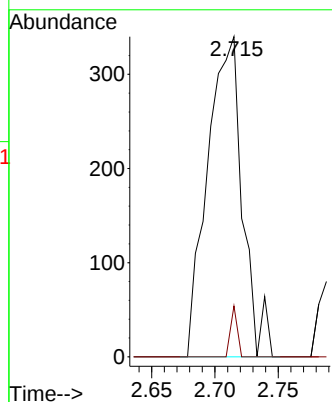
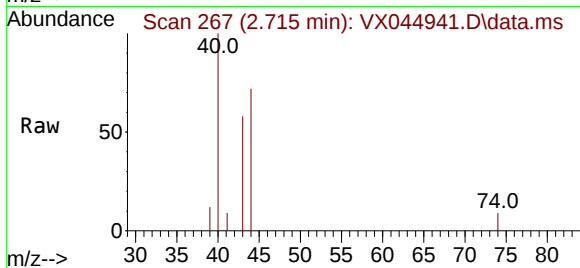




#18  
Methyl Acetate  
Concen: 0.414 ug/l  
RT: 2.715 min Scan# 20  
Delta R.T. 0.013 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

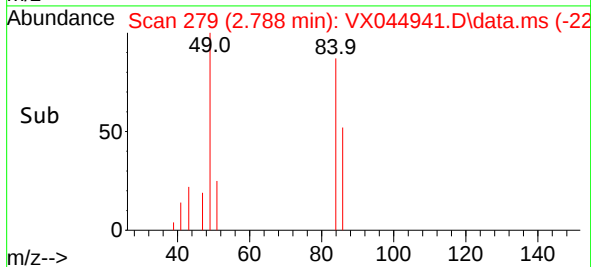
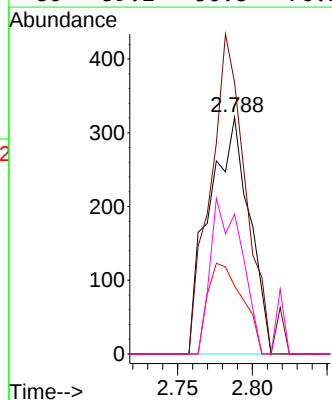
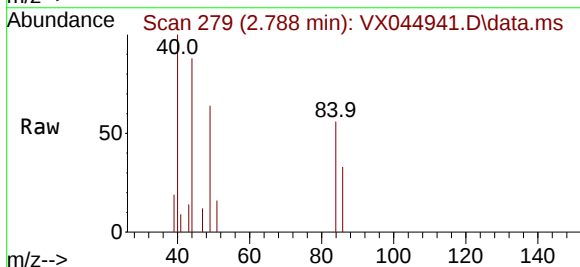
Instrument :  
MSVOA\_X  
ClientSampleId :

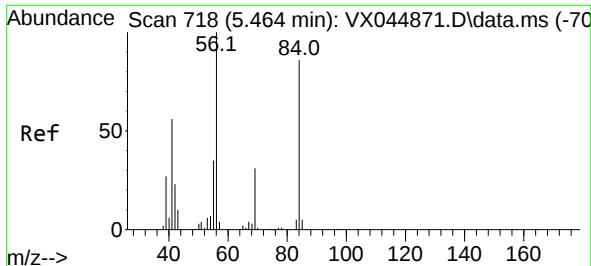
Tgt Ion: 43 Resp: 651  
Ion Ratio Lower Upper  
43 100  
74 3.1 18.9 28.3#



#20  
Methylene Chloride  
Concen: 0.494 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.006 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

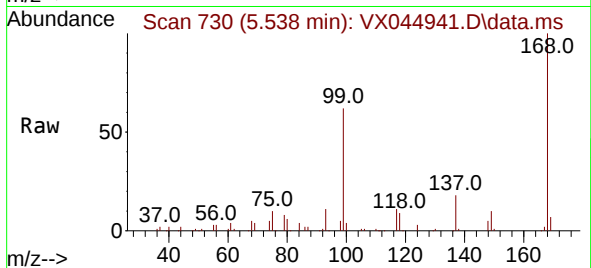
Tgt Ion: 84 Resp: 603  
Ion Ratio Lower Upper  
84 100  
49 114.6 100.1 150.1  
51 28.7 31.7 47.5#  
86 59.2 50.8 76.2



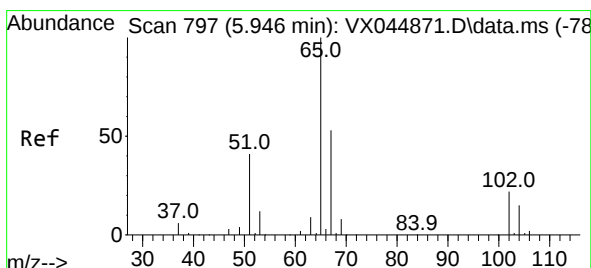
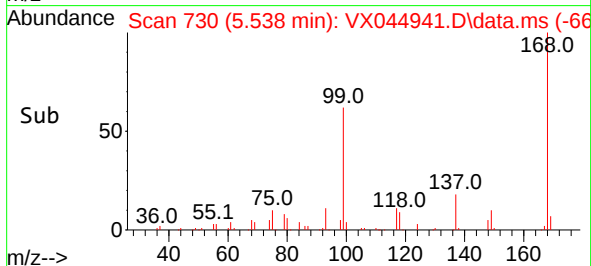
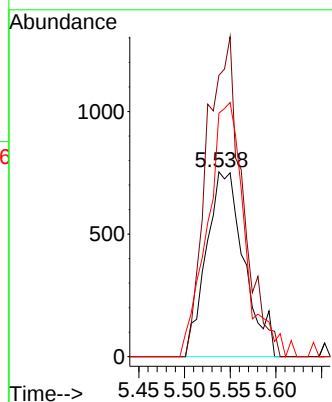


#31  
Cyclohexane  
Concen: 1.126 ug/l  
RT: 5.538 min Scan# 718  
Delta R.T. 0.074 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

Instrument :  
MSVOA\_X  
ClientSampleId :

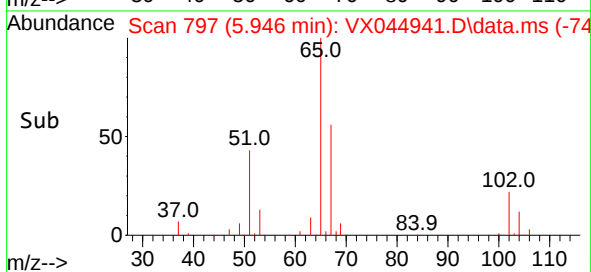
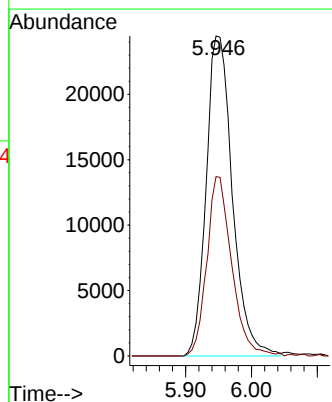
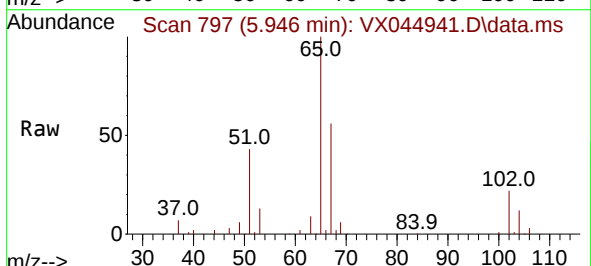


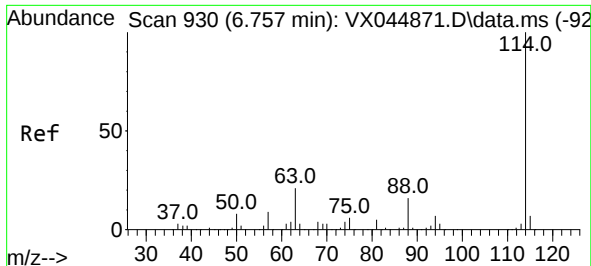
Tgt Ion: 56 Resp: 2166  
Ion Ratio Lower Upper  
56 100  
69 152.1 24.4 36.6#  
84 131.7 69.0 103.6#



#33  
1,2-Dichloroethane-d4  
Concen: 54.852 ug/l  
RT: 5.946 min Scan# 797  
Delta R.T. 0.000 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

Tgt Ion: 65 Resp: 67934  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 108.2

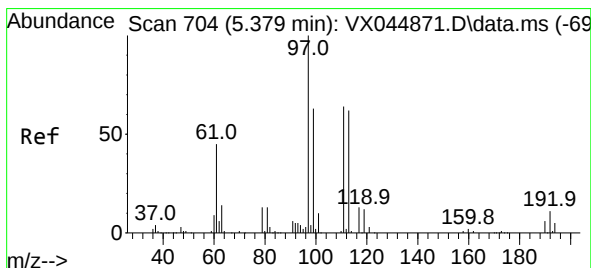
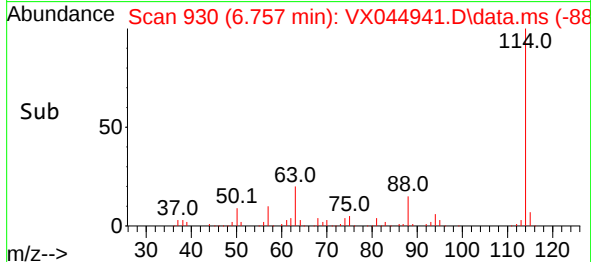
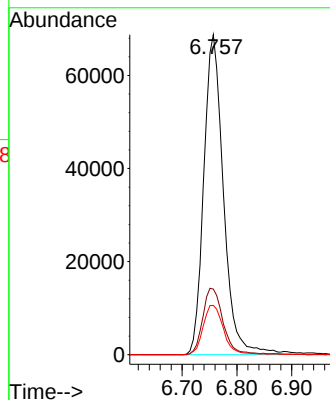
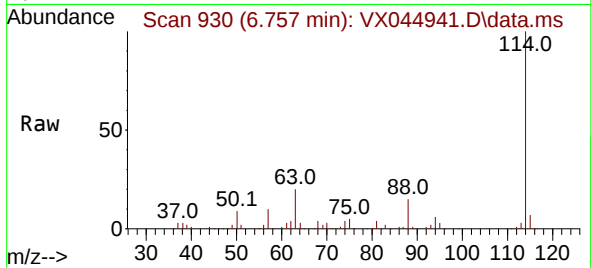




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

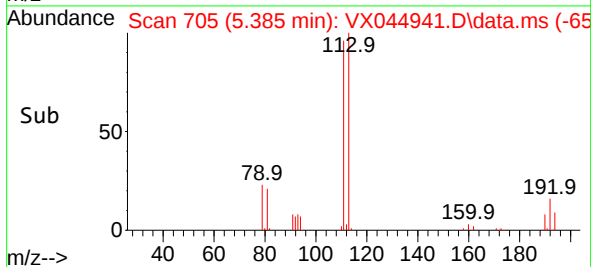
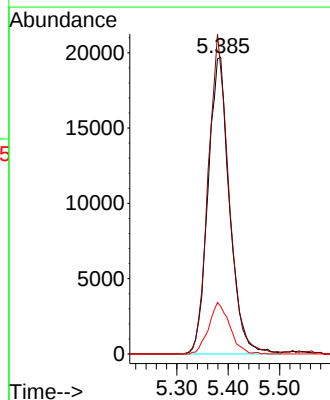
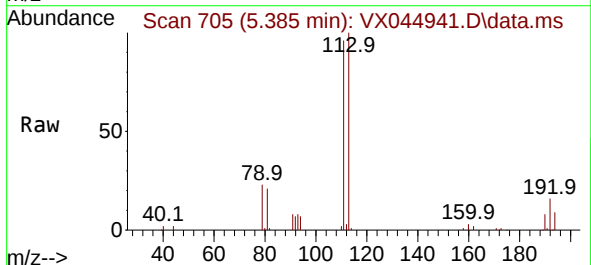
Instrument :  
MSVOA\_X  
ClientSampleId :

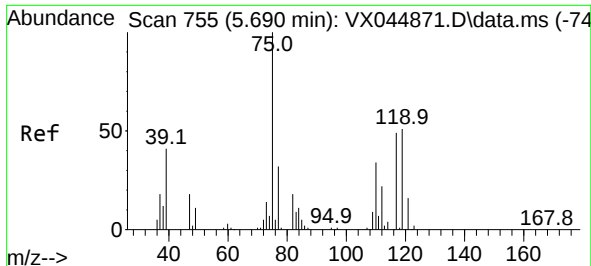
Tgt Ion:114 Resp: 171255  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 42.4  
88 15.4 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 51.429 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

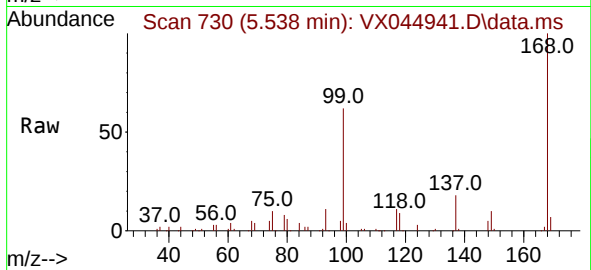
Tgt Ion:113 Resp: 57263  
Ion Ratio Lower Upper  
113 100  
111 102.9 83.5 125.3  
192 16.8 14.4 21.6



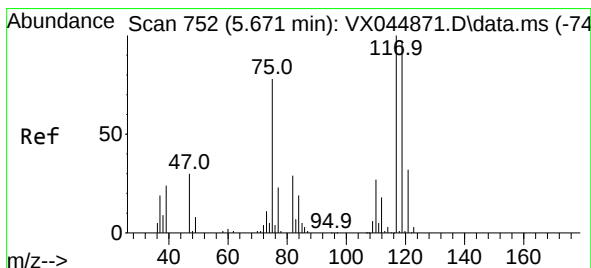
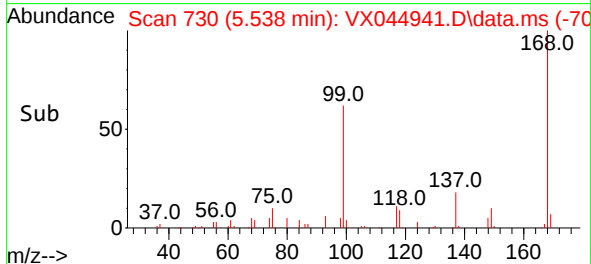
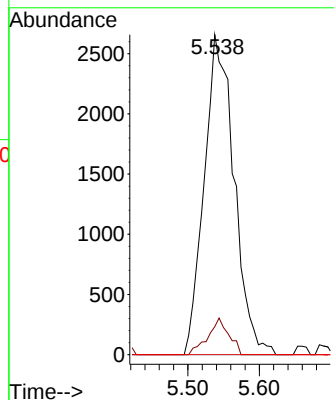


#36  
1,1-Dichloropropene  
Concen: 4.793 ug/l  
RT: 5.538 min Scan# 710  
Delta R.T. -0.152 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

Instrument :  
MSVOA\_X  
ClientSampleId :

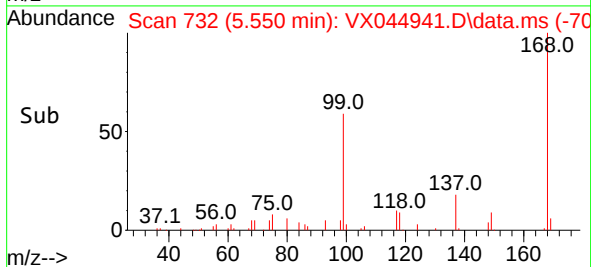
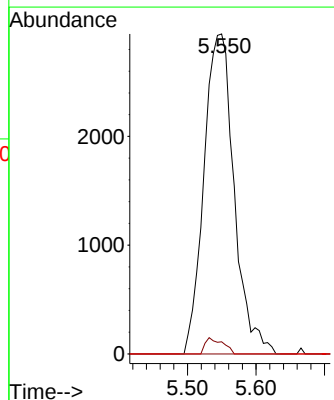
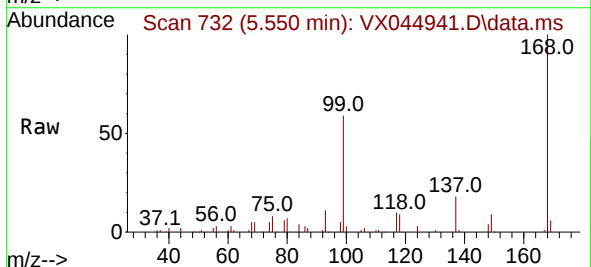


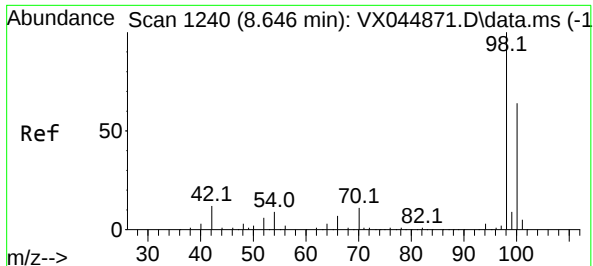
Tgt Ion: 75 Resp: 7699  
Ion Ratio Lower Upper  
75 100  
110 8.0 17.2 51.6#  
77 0.0 24.6 37.0#



#38  
Carbon Tetrachloride  
Concen: 5.731 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.122 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

Tgt Ion: 117 Resp: 9022  
Ion Ratio Lower Upper  
117 100  
119 3.8 77.5 116.3#  
121 0.0 25.6 38.4#





#50

Toluene-d8

Concen: 51.101 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044941.D

Acq: 12 Feb 2025 18:16

Instrument :

MSVOA\_X

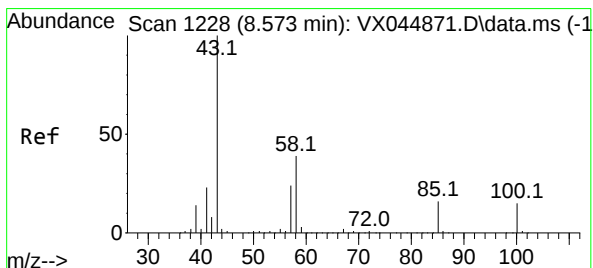
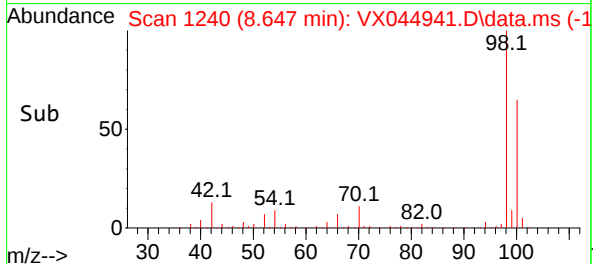
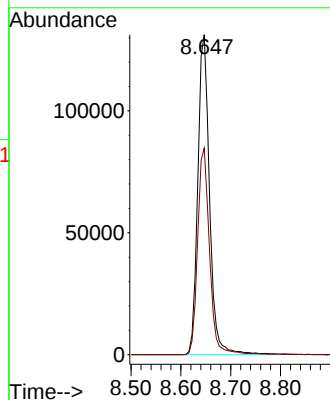
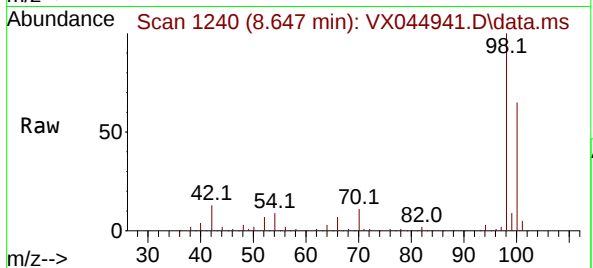
ClientSampleId :

Tgt Ion: 98 Resp: 215155

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 0.392 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX044941.D

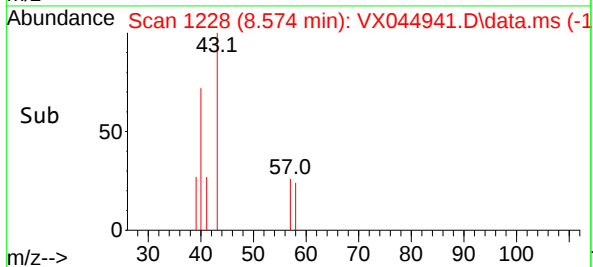
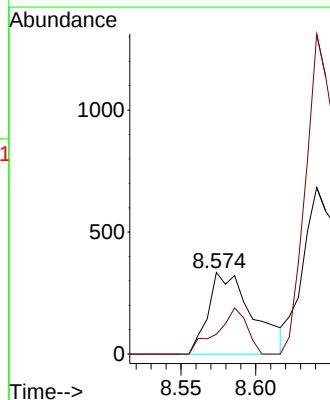
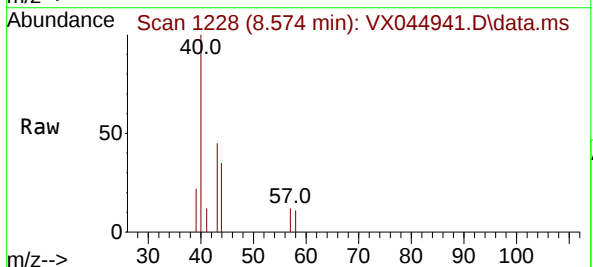
Acq: 12 Feb 2025 18:16

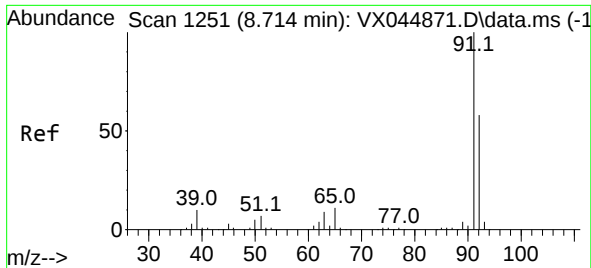
Tgt Ion: 43 Resp: 688

Ion Ratio Lower Upper

43 100

58 38.5 30.8 46.2

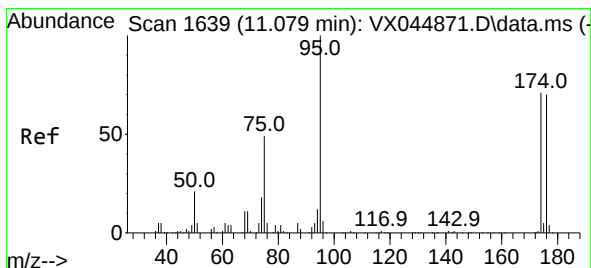
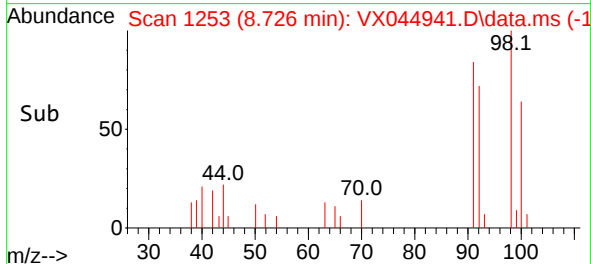
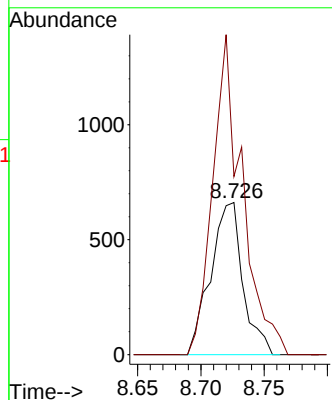
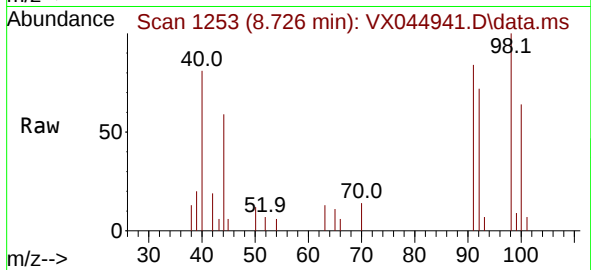




#52  
Toluene  
Concen: 0.393 ug/l  
RT: 8.726 min Scan# 1173  
Delta R.T. 0.013 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

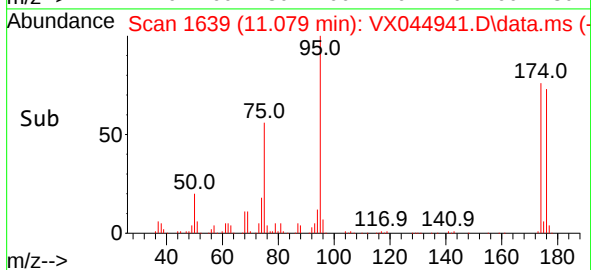
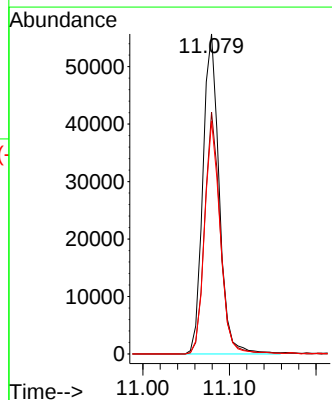
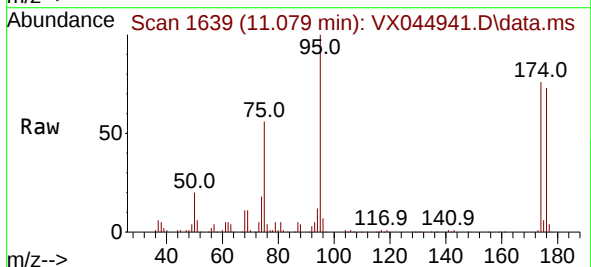
Instrument :  
MSVOA\_X  
ClientSampleId :

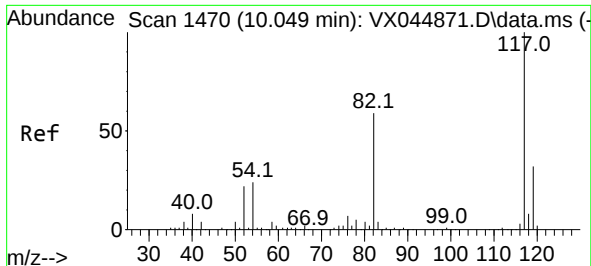
Tgt Ion: 92 Resp: 1173  
Ion Ratio Lower Upper  
92 100  
91 192.5 137.4 206.2



#62  
4-Bromofluorobenzene  
Concen: 51.278 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

Tgt Ion: 95 Resp: 72785  
Ion Ratio Lower Upper  
95 100  
174 72.2 0.0 142.6  
176 69.9 0.0 141.6

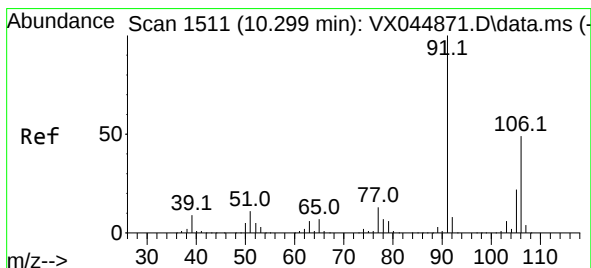
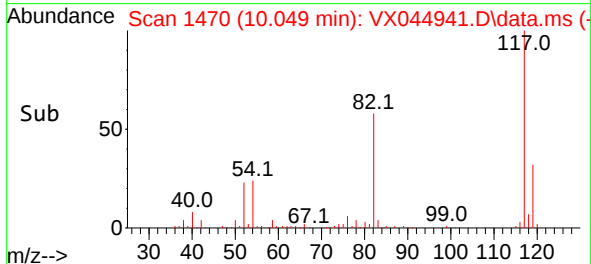
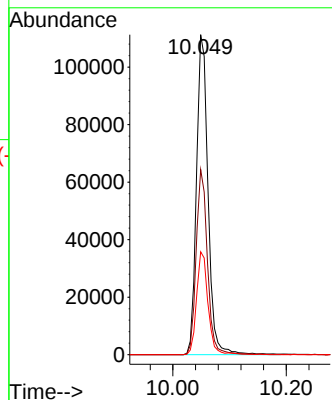
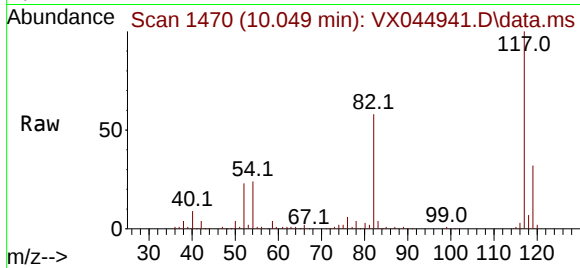




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

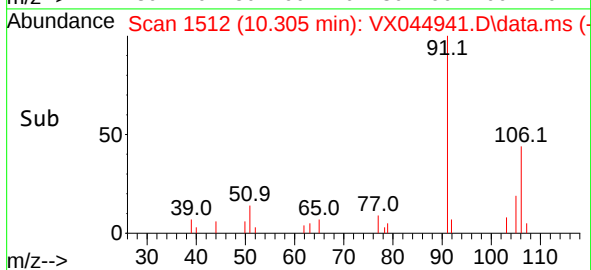
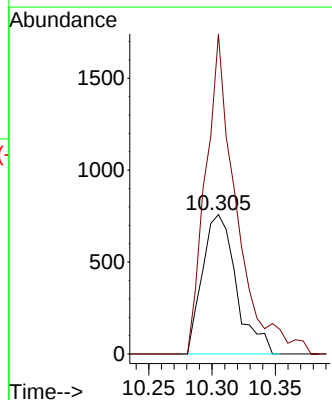
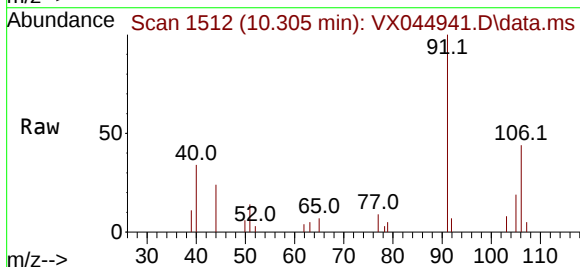
Instrument :  
MSVOA\_X  
ClientSampleId :

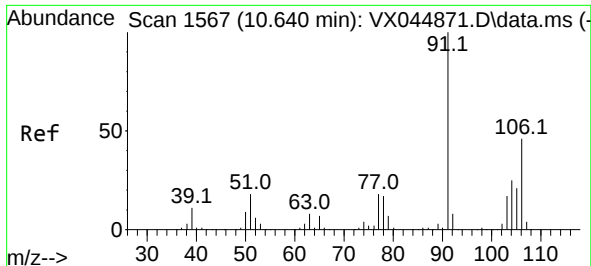
Tgt Ion:117 Resp: 157249  
Ion Ratio Lower Upper  
117 100  
82 57.8 47.5 71.3  
119 32.1 25.4 38.0



#68  
m/p-Xylenes  
Concen: 0.642 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.006 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

Tgt Ion:106 Resp: 1411  
Ion Ratio Lower Upper  
106 100  
91 208.3 164.3 246.5

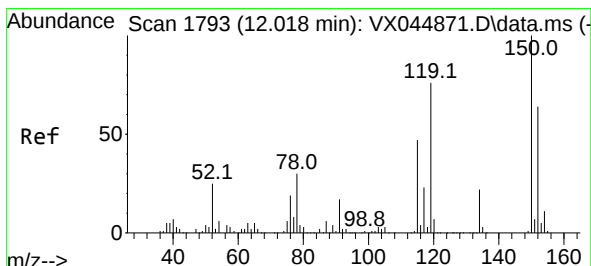
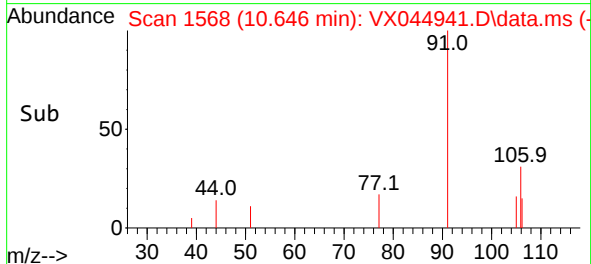
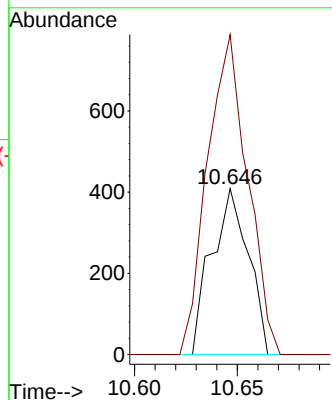
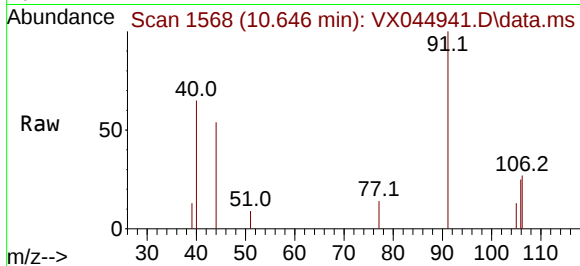




#69  
o-Xylene  
Concen: 0.231 ug/l  
RT: 10.646 min Scan# 1567  
Delta R.T. 0.006 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

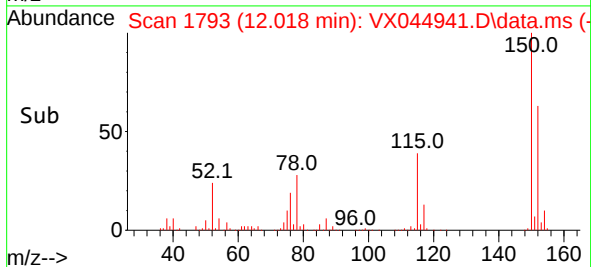
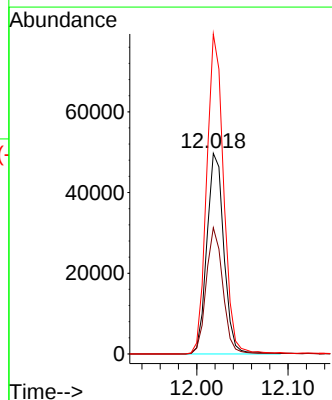
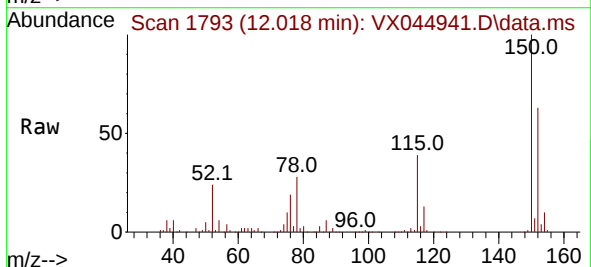
Instrument :  
MSVOA\_X  
ClientSampleId :

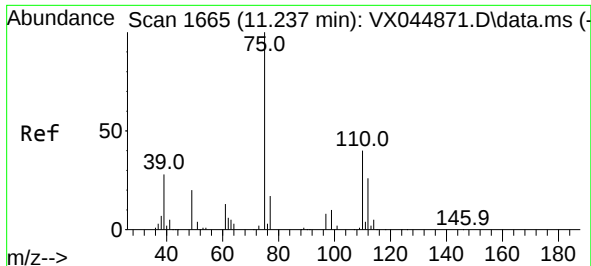
Tgt Ion:106 Resp: 510  
Ion Ratio Lower Upper  
106 100  
91 209.8 108.5 325.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

Tgt Ion:152 Resp: 64055  
Ion Ratio Lower Upper  
152 100  
115 62.0 43.4 130.1  
150 158.8 0.0 350.4

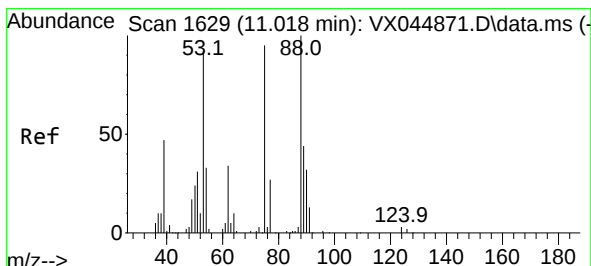
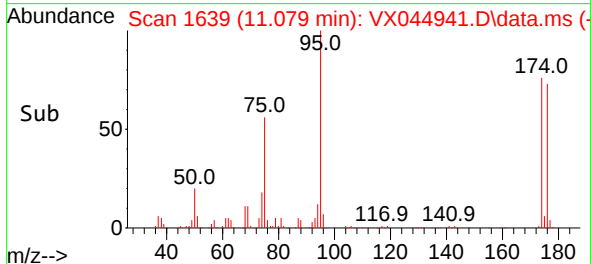
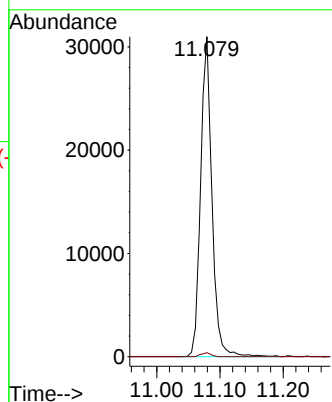
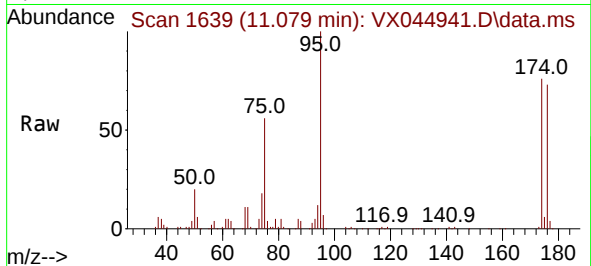




#76  
1,2,3-Trichloropropane  
Concen: 27.243 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 38690  
Ion Ratio Lower Upper  
75 100  
77 1.1 21.9 65.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 70.079 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX044941.D  
Acq: 12 Feb 2025 18:16

Tgt Ion: 75 Resp: 38690  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 36.6 54.8#

