

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050624\  
 Data File : VX041375.D  
 Acq On : 06 May 2024 13:34  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: May 07 01:59:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 01 02:38:17 2024  
 Response via : Initial Calibration

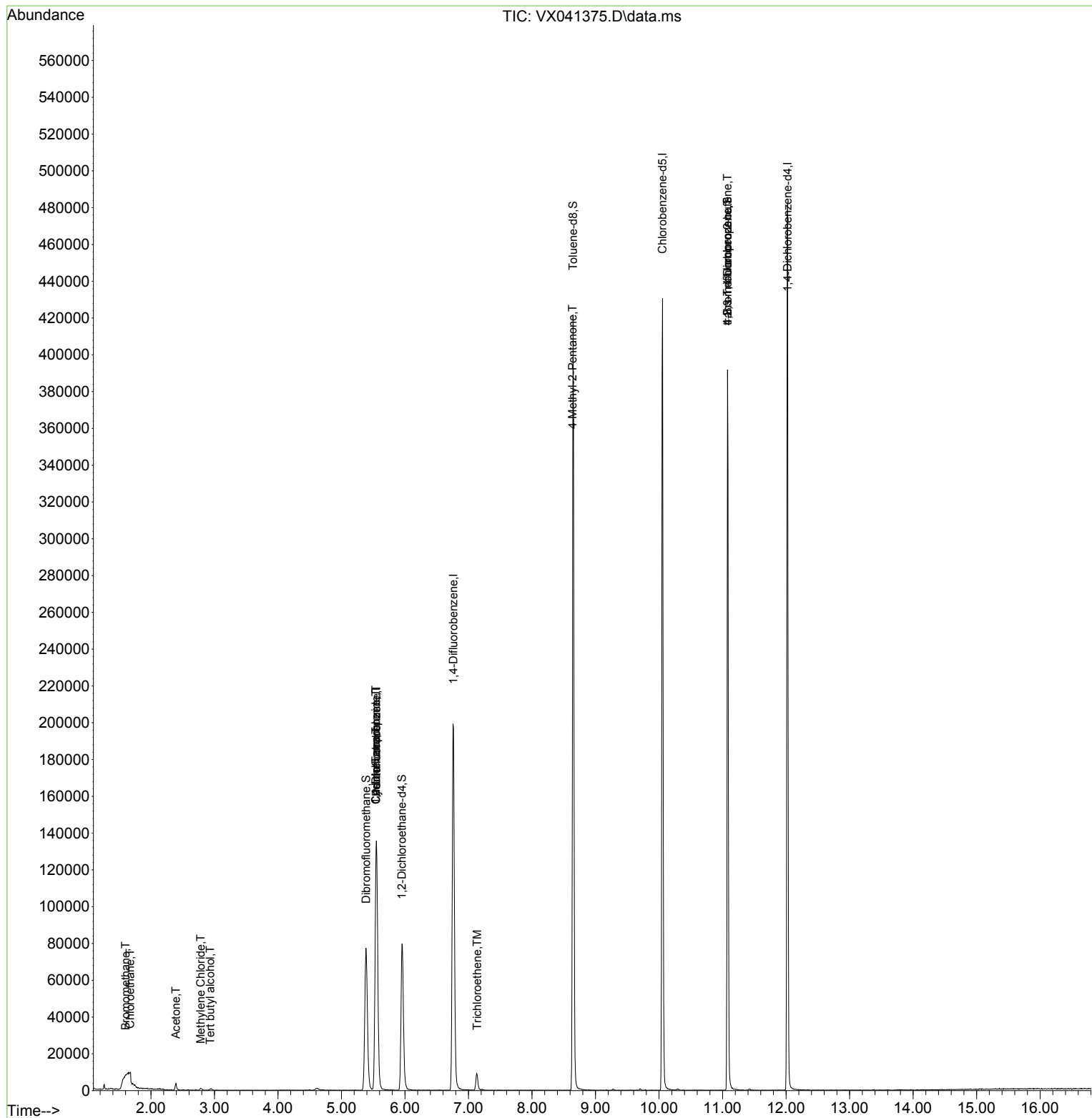
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 148464   | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 213211   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 203459   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 111403   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 80049    | 49.528   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 99.060%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 66262    | 45.860   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 91.720%  |
| 50) Toluene-d8                | 8.647  | 98    | 247290   | 54.075   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 108.140% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 95559    | 53.979   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 107.960% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Bromomethane               | 1.599  | 94    | 433      | 0.574    | ug/l   | 90       |
| 6) Chloroethane               | 1.672  | 64    | 177      | 0.317    | ug/l   | # 43     |
| 11) Tert butyl alcohol        | 2.934  | 59    | 602      | 1.861    | ug/l   | # 78     |
| 16) Acetone                   | 2.392  | 43    | 3848     | 1.519    | ug/l   | 95       |
| 20) Methylene Chloride        | 2.782  | 84    | 664      | 0.473    | ug/l   | # 84     |
| 31) Cyclohexane               | 5.544  | 56    | 2603     | 1.334    | ug/l   | # 1      |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 9199     | 5.324    | ug/l   | # 51     |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 12960    | 6.548    | ug/l   | # 16     |
| 44) Trichloroethene           | 7.135  | 130   | 4027     | 2.863    | ug/l   | 84       |
| 51) 4-Methyl-2-Pentanone      | 8.641  | 43    | 1074     | 0.552    | ug/l   | # 1      |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 48965    | 26.970   | ug/l   | # 38     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 48965    | 73.464   | ug/l   | # 5      |
| -----                         |        |       |          |          |        |          |

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

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Operator : JC/MD  
Sample : IBLK  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

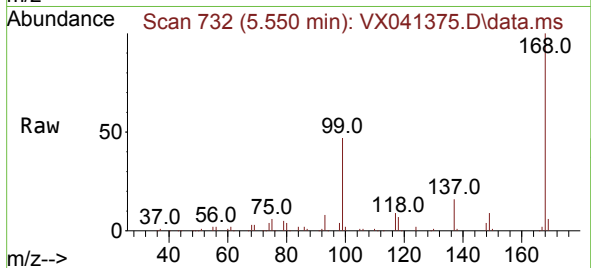
Quant Time: May 07 01:59:15 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 01 02:38:17 2024  
Response via : Initial Calibration



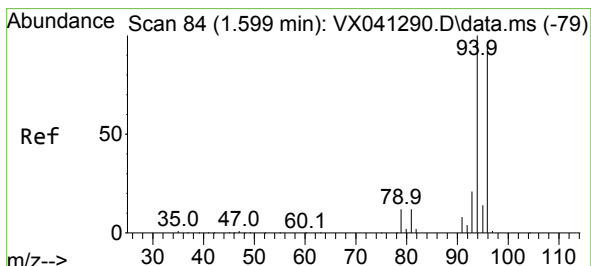
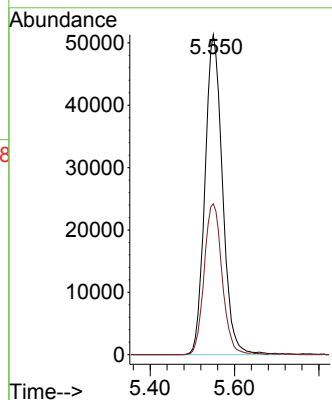
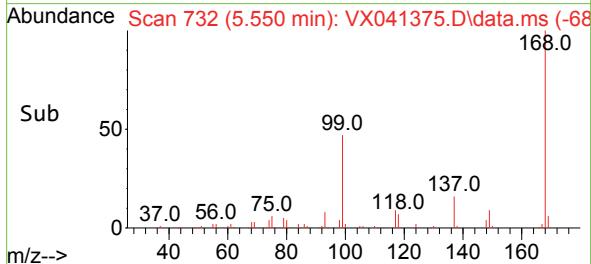


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34

Instrument :  
MSVOA\_X  
ClientSampleId :

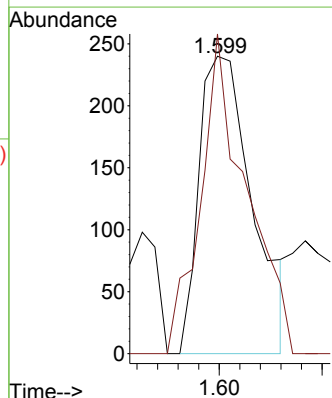
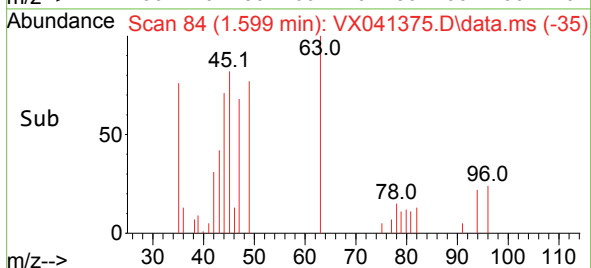
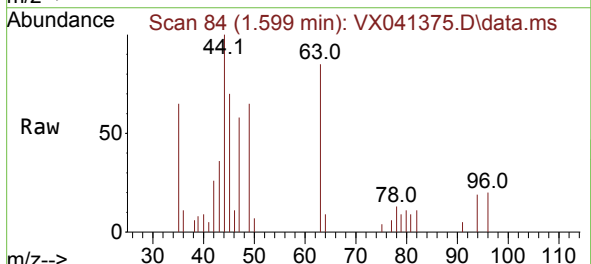


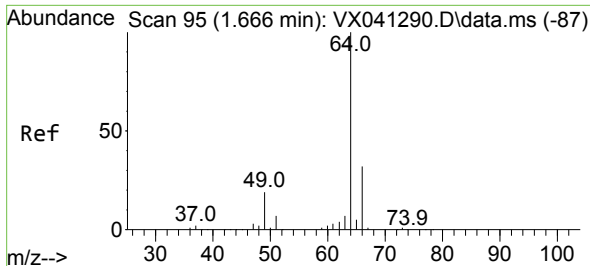
Tgt Ion:168 Resp: 148464  
Ion Ratio Lower Upper  
168 100  
99 47.2 56.6 85.0#



#5  
Bromomethane  
Concen: 0.574 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34

Tgt Ion: 94 Resp: 433  
Ion Ratio Lower Upper  
94 100  
96 83.8 74.6 111.8

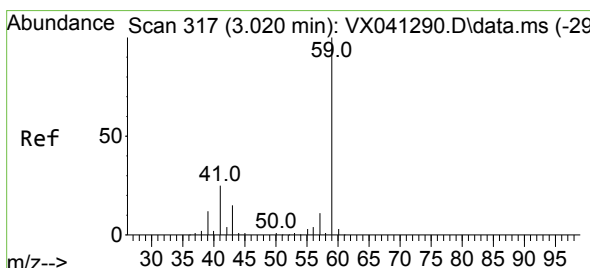
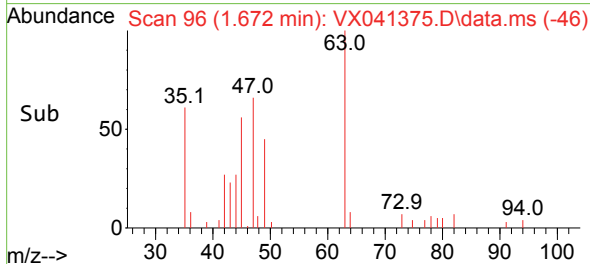
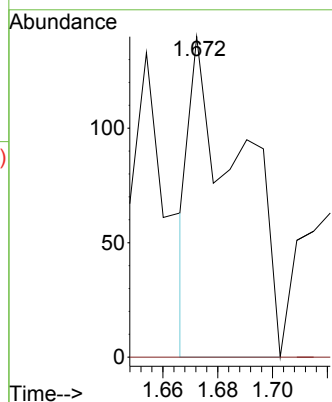
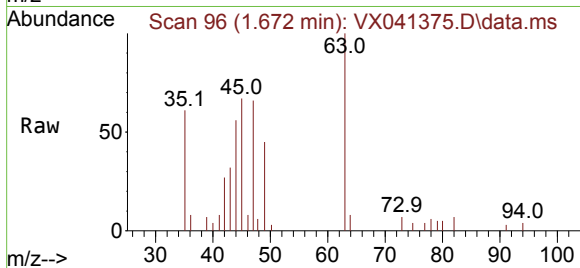




#6  
Chloroethane  
Concen: 0.317 ug/l  
RT: 1.672 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34

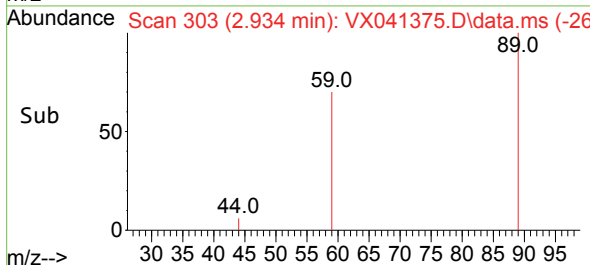
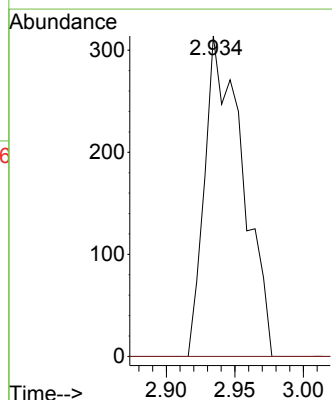
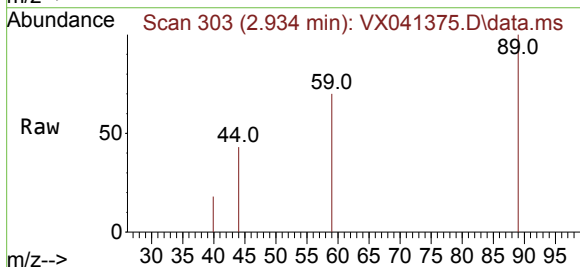
Instrument :  
MSVOA\_X  
ClientSampleId :

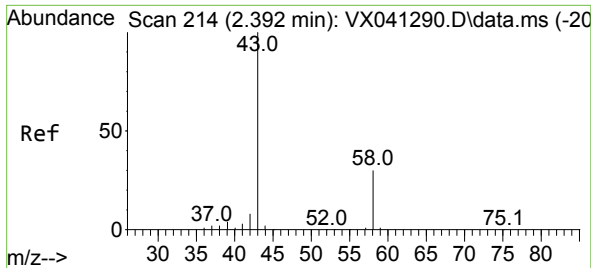
Tgt Ion: 64 Resp: 177  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.1 37.7#



#11  
Tert butyl alcohol  
Concen: 1.861 ug/l  
RT: 2.934 min Scan# 303  
Delta R.T. -0.085 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34

Tgt Ion: 59 Resp: 602  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#

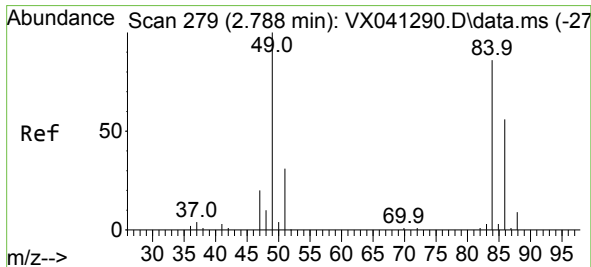
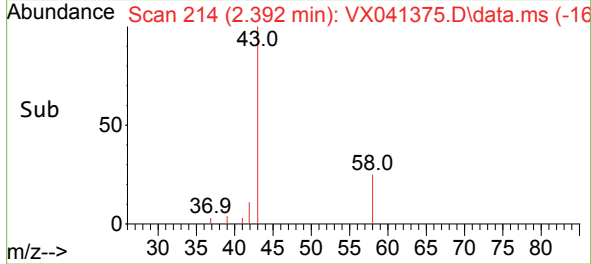
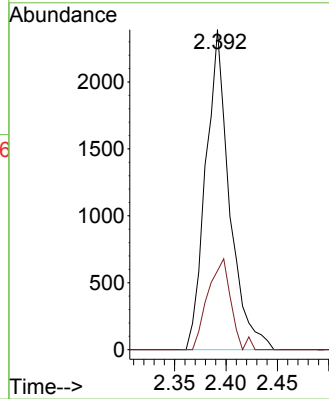
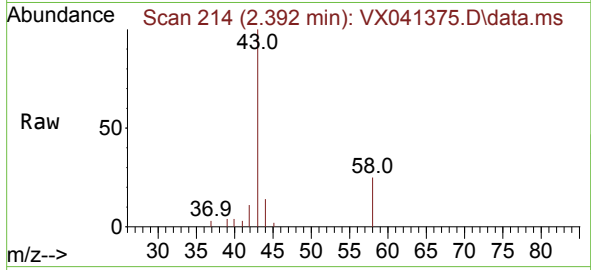




#16  
Acetone  
Concen: 1.519 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34

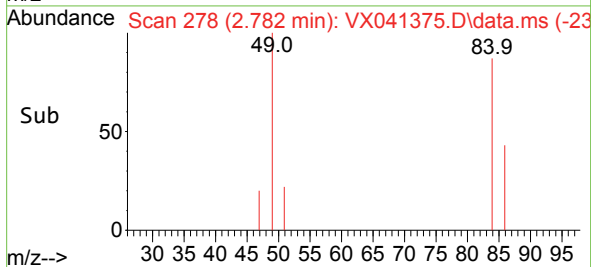
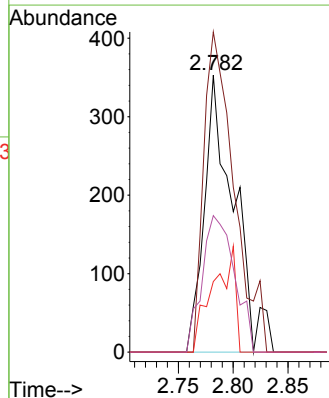
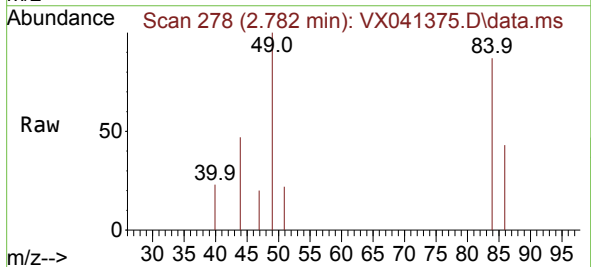
Instrument :  
MSVOA\_X  
ClientSampleId :

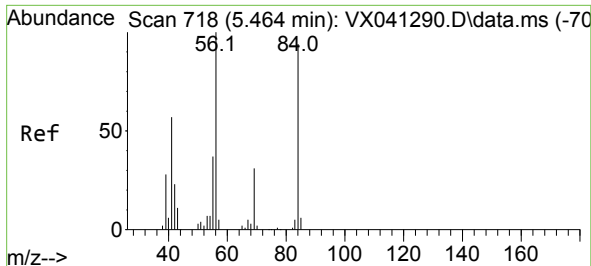
Tgt Ion: 43 Resp: 3848  
Ion Ratio Lower Upper  
43 100  
58 24.6 21.9 32.9



#20  
Methylene Chloride  
Concen: 0.473 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. -0.006 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34

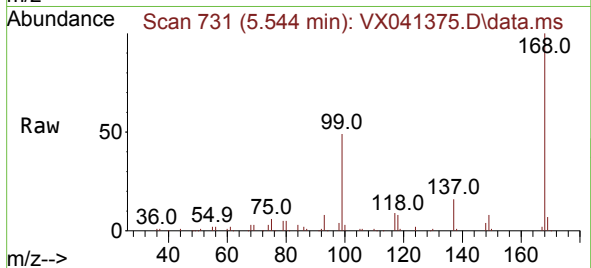
Tgt Ion: 84 Resp: 664  
Ion Ratio Lower Upper  
84 100  
49 115.6 103.6 155.4  
51 25.5 33.8 50.6#  
86 49.3 49.4 74.0#



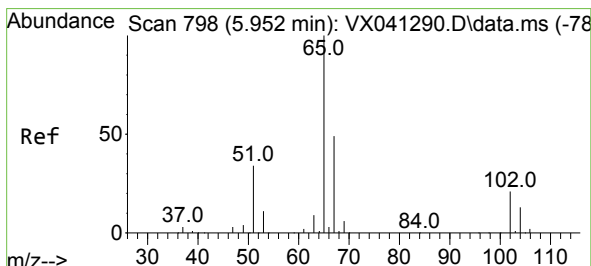
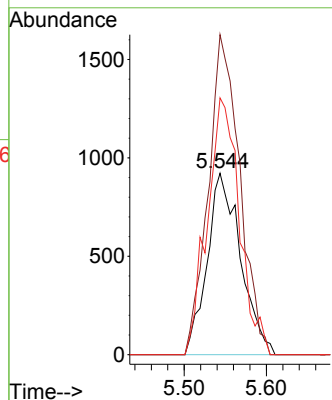
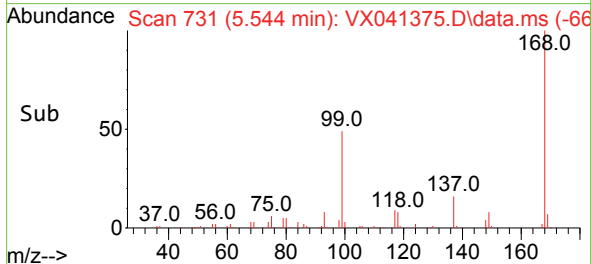


#31  
Cyclohexane  
Concen: 1.334 ug/l  
RT: 5.544 min Scan# 718  
Delta R.T. 0.079 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34

Instrument :  
MSVOA\_X  
ClientSampleId :

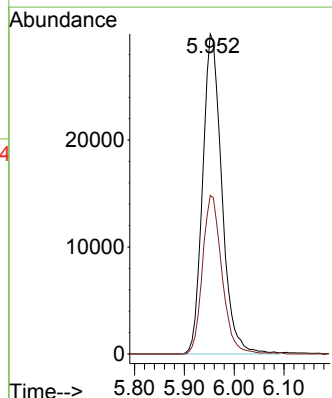
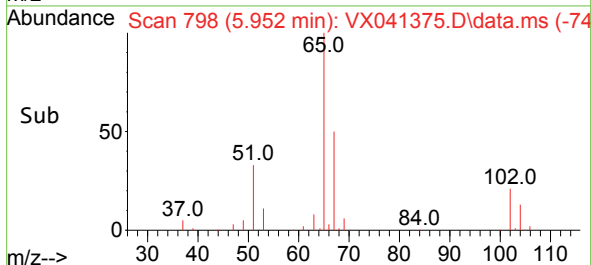
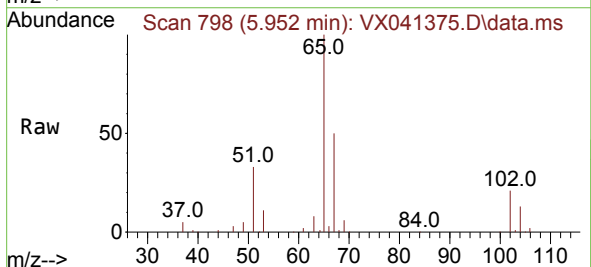


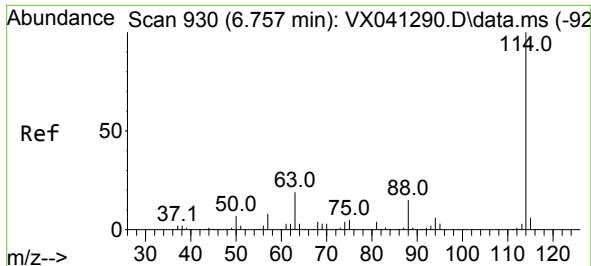
Tgt Ion: 56 Resp: 2603  
Ion Ratio Lower Upper  
56 100  
69 176.4 23.4 35.2#  
84 141.5 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 49.528 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34

Tgt Ion: 65 Resp: 80049  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 100.2

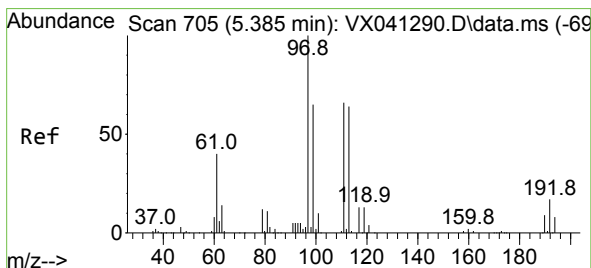
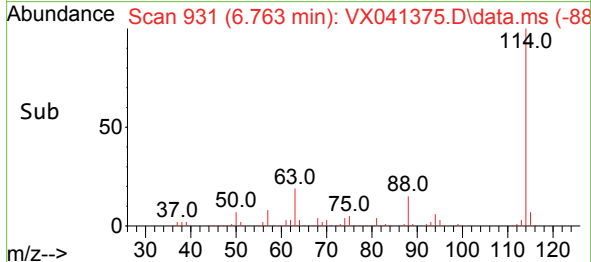
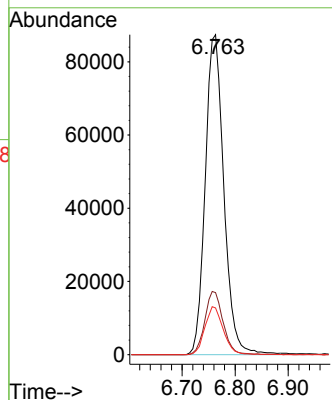
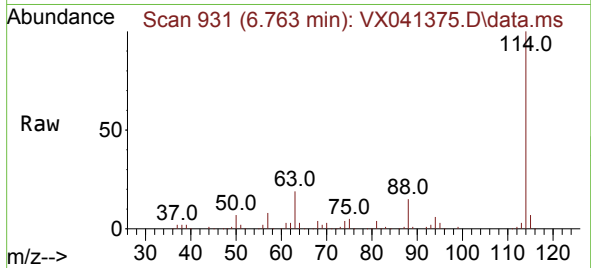




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34

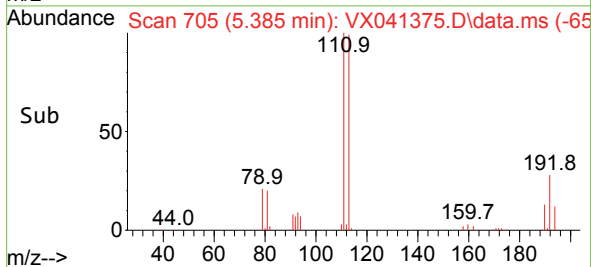
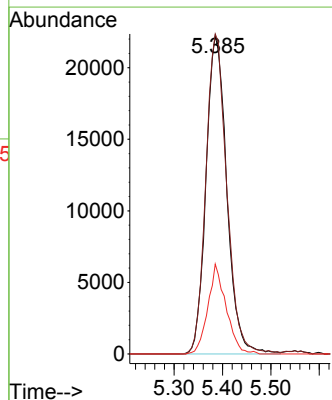
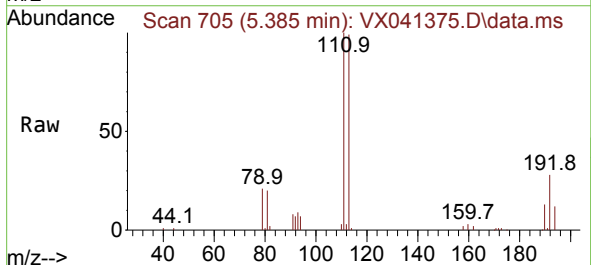
Instrument :  
MSVOA\_X  
ClientSampleId :

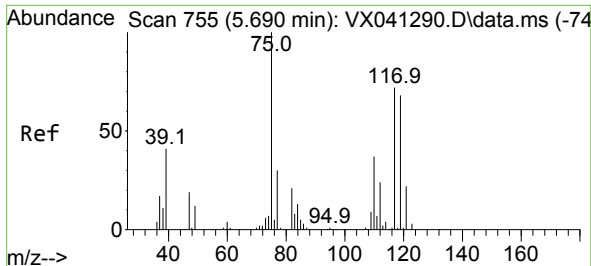
Tgt Ion:114 Resp: 213211  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 45.0  
88 14.6 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 45.860 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34

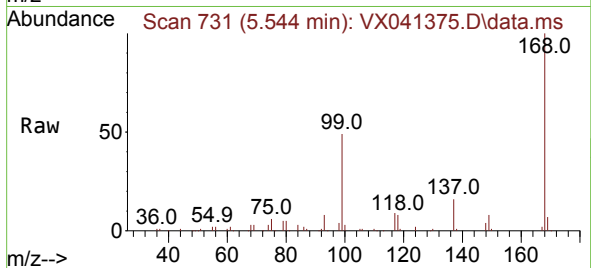
Tgt Ion:113 Resp: 66262  
Ion Ratio Lower Upper  
113 100  
111 101.3 82.9 124.3  
192 24.9 13.3 19.9#



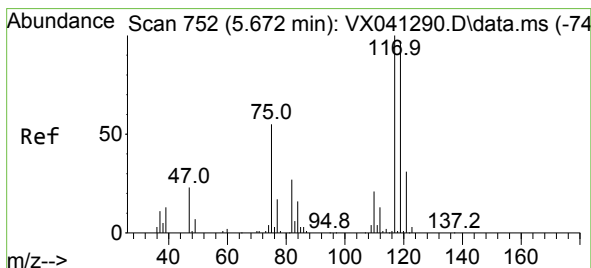
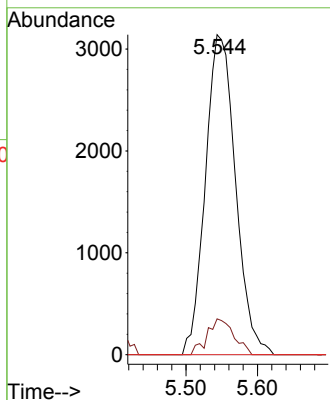
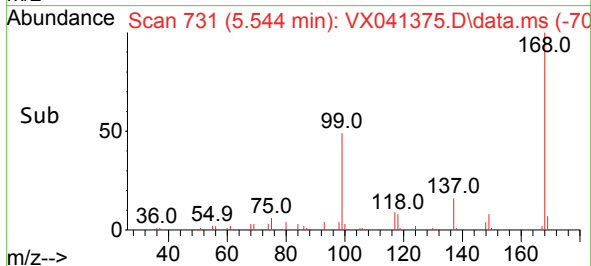


#36  
1,1-Dichloropropene  
Concen: 5.324 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.146 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34

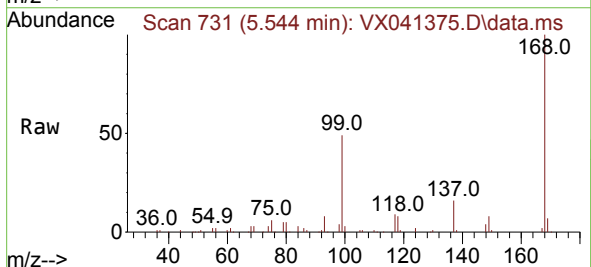
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MSVOA\_X  
ClientSampleId :



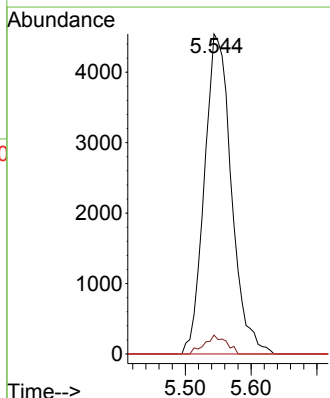
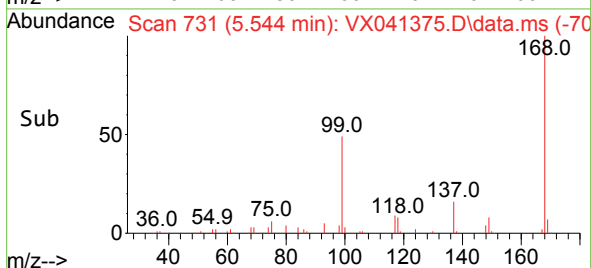
Tgt Ion: 75 Resp: 9199  
Ion Ratio Lower Upper  
75 100  
110 9.9 17.0 50.9#  
77 0.0 24.7 37.1#

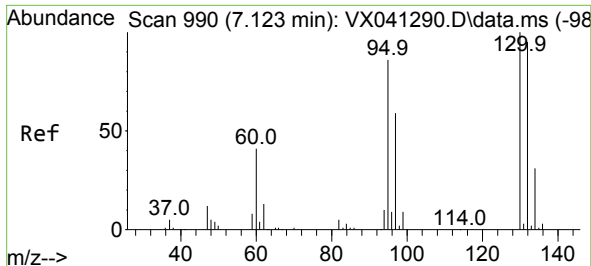


#38  
Carbon Tetrachloride  
Concen: 6.548 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.128 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34



Tgt Ion: 117 Resp: 12960  
Ion Ratio Lower Upper  
117 100  
119 5.9 78.2 117.2#  
121 0.0 24.4 36.6#

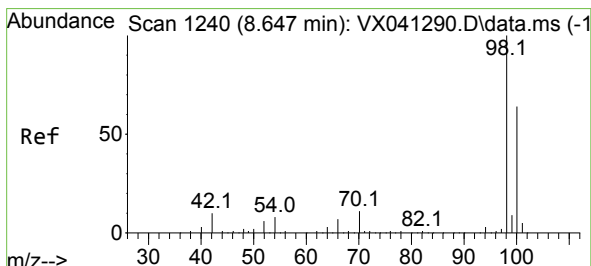
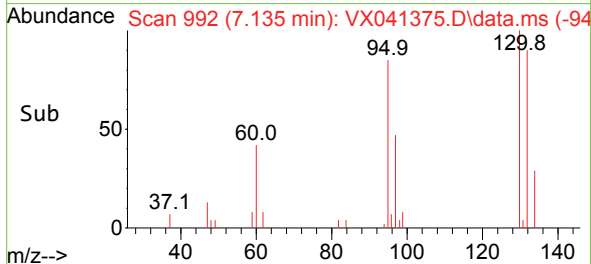
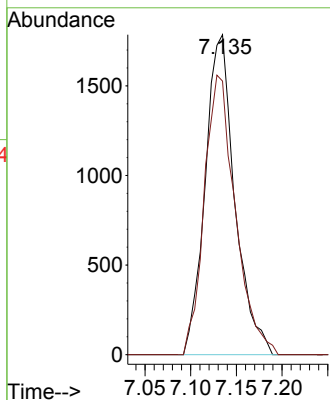
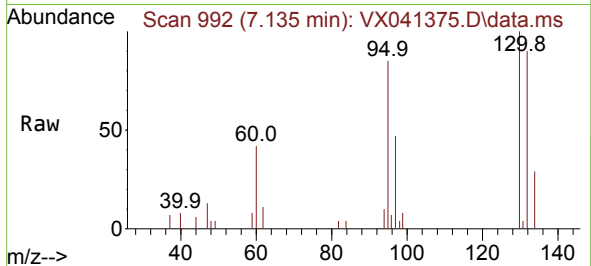




#44  
Trichloroethene  
Concen: 2.863 ug/l  
RT: 7.135 min Scan# 990  
Delta R.T. 0.012 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34

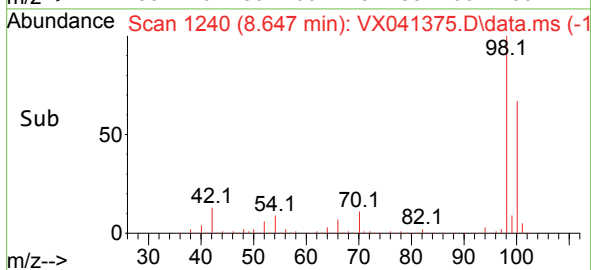
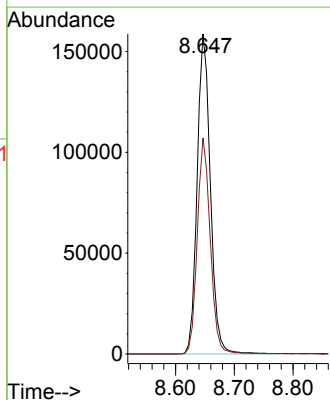
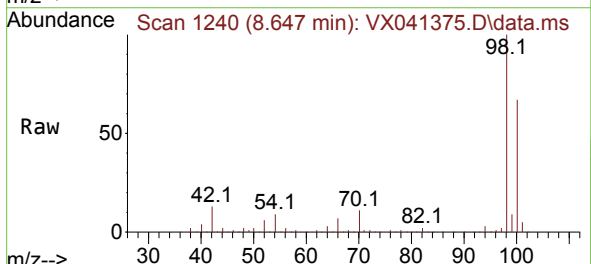
Instrument :  
MSVOA\_X  
ClientSampleId :

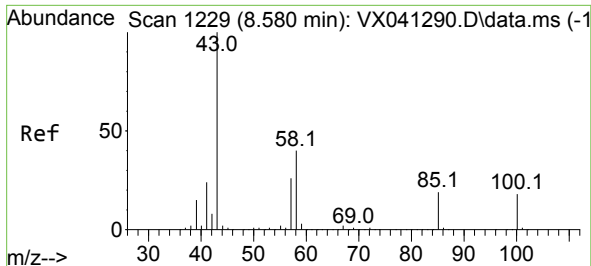
Tgt Ion:130 Resp: 4027  
Ion Ratio Lower Upper  
130 100  
95 85.5 0.0 204.4



#50  
Toluene-d8  
Concen: 54.075 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34

Tgt Ion: 98 Resp: 247290  
Ion Ratio Lower Upper  
98 100  
100 66.3 53.1 79.7

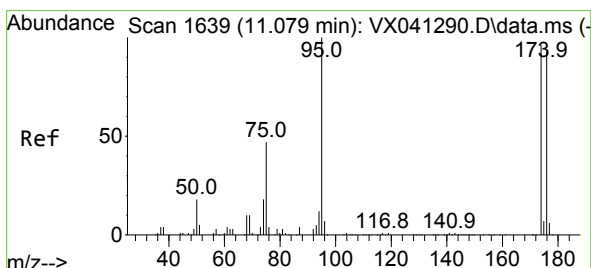
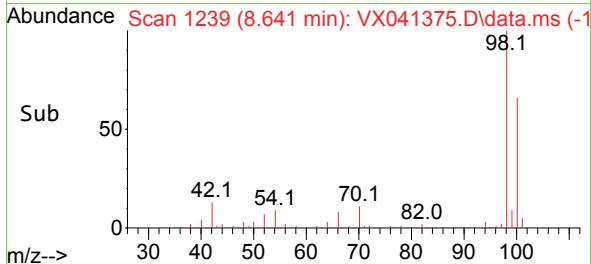
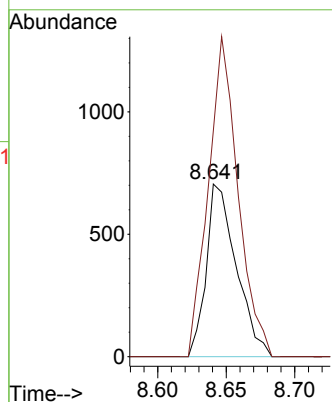
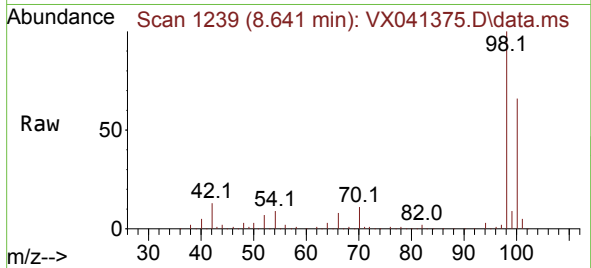




#51  
4-Methyl-2-Pentanone  
Concen: 0.552 ug/l  
RT: 8.641 min Scan# 11  
Delta R.T. 0.061 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34

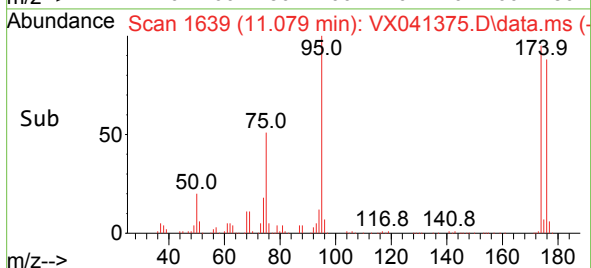
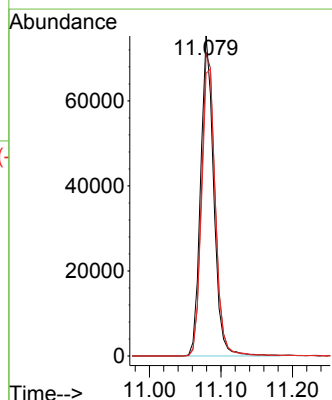
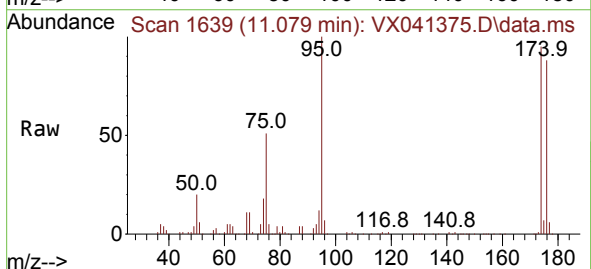
Instrument :  
MSVOA\_X  
ClientSampleId :

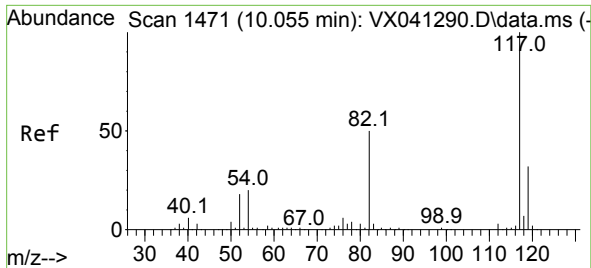
Tgt Ion: 43 Resp: 1074  
Ion Ratio Lower Upper  
43 100  
58 183.4 30.4 45.6#



#62  
4-Bromofluorobenzene  
Concen: 53.979 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34

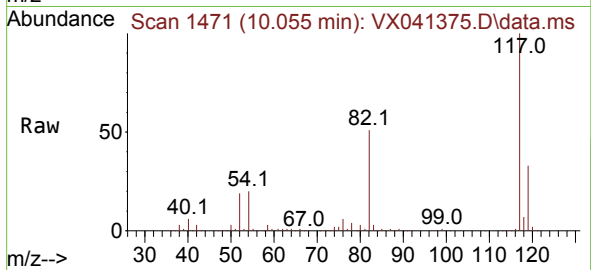
Tgt Ion: 95 Resp: 95559  
Ion Ratio Lower Upper  
95 100  
174 99.2 0.0 135.6  
176 95.9 0.0 131.0



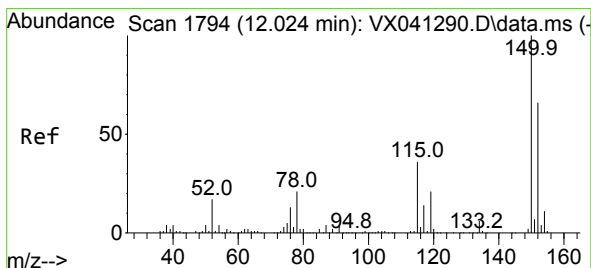
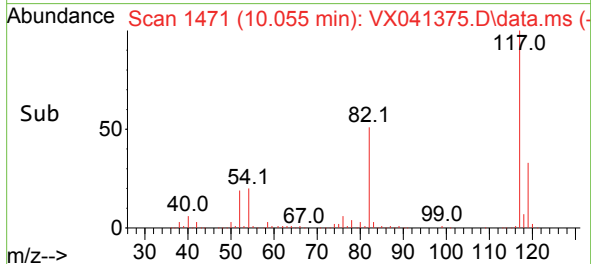
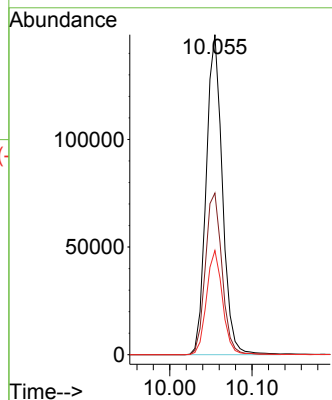


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34

Instrument :  
MSVOA\_X  
ClientSampleId :

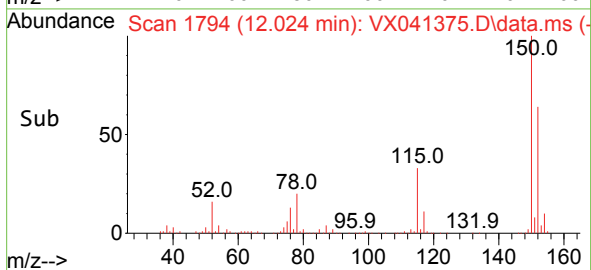
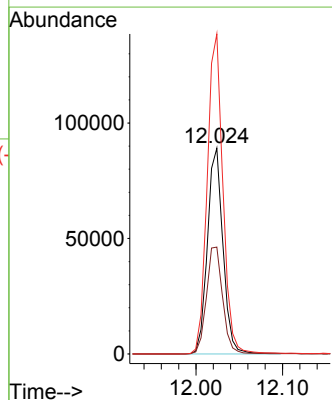
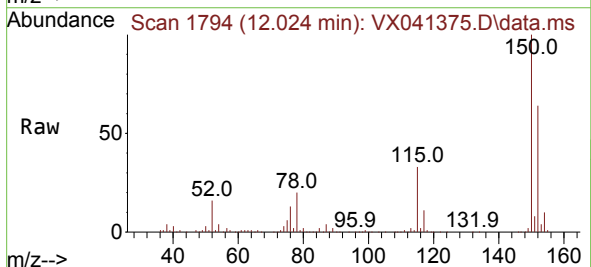


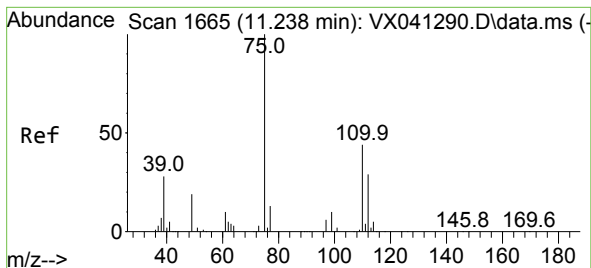
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 203459 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 50.5  | 46.2  | 69.4   |
| 119      | 32.6  | 25.5  | 38.3   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX041375.D  
Acq: 06 May 2024 13:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 111403 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 54.4  | 43.3  | 129.9  |
| 150      | 156.8 | 0.0   | 345.0  |





#76

1,2,3-Trichloropropane

Concen: 26.970 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX041375.D

Acq: 06 May 2024 13:34

Instrument :

MSVOA\_X

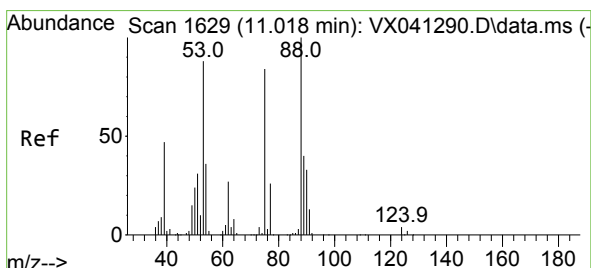
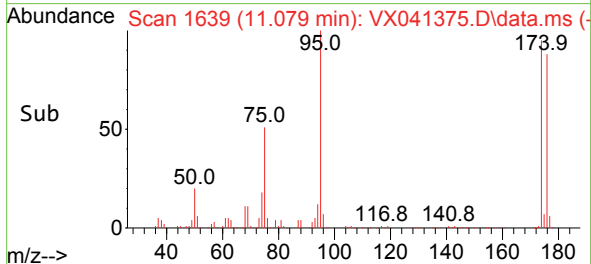
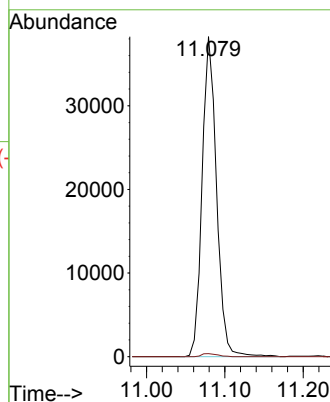
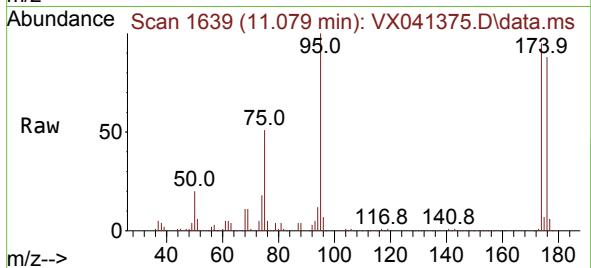
ClientSampleId :

Tgt Ion: 75 Resp: 48965

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.464 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041375.D

Acq: 06 May 2024 13:34

Tgt Ion: 75 Resp: 48965

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

