

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051324\  
 Data File : VX041497.D  
 Acq On : 13 May 2024 17:22  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: May 14 01:35:39 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 08 06:03:16 2024  
 Response via : Initial Calibration

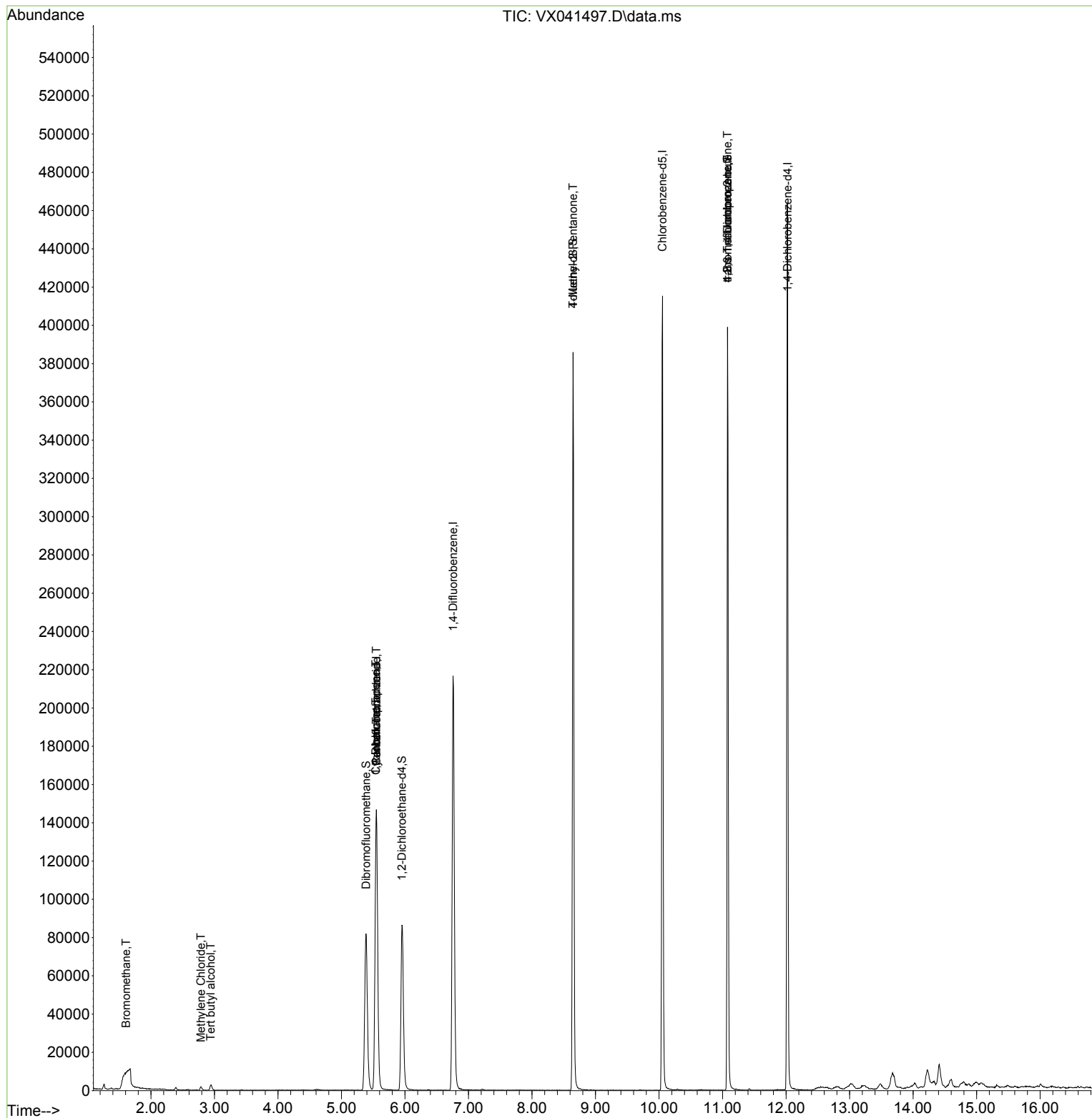
| Compound                      | R.T.           | QIon | Response            | Conc      | Units | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|-------|----------|
| -----                         |                |      |                     |           |       |          |
| Internal Standards            |                |      |                     |           |       |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 156195              | 50.000    | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 230996              | 50.000    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 198984              | 50.000    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 107891              | 50.000    | ug/l  | 0.00     |
|                               |                |      |                     |           |       |          |
| System Monitoring Compounds   |                |      |                     |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 87740               | 51.600    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 103.200% |           |       |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 70632               | 45.121    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 90.240%  |           |       |          |
| 50) Toluene-d8                | 8.647          | 98   | 224002              | 45.211    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 90.420%# |           |       |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 98468               | 51.340    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 102.680% |           |       |          |
|                               |                |      |                     |           |       |          |
| Target Compounds              |                |      |                     |           |       |          |
|                               |                |      |                     |           |       | Qvalue   |
| 5) Bromomethane               | 1.605          | 94   | 345                 | 0.435     | ug/l  | # 76     |
| 11) Tert butyl alcohol        | 2.940          | 59   | 1854                | 5.448     | ug/l  | # 78     |
| 16) Acetone                   | 2.392          | 43   | 1521                | Below Cal |       | # 84     |
| 20) Methylene Chloride        | 2.788          | 84   | 1005                | 0.681     | ug/l  | 89       |
| 31) Cyclohexane               | 5.544          | 56   | 2646                | 1.289     | ug/l  | # 1      |
| 36) 1,1-Dichloropropene       | 5.544          | 75   | 10319               | 5.513     | ug/l  | # 51     |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 13903               | 6.484     | ug/l  | # 15     |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 1056                | 0.501     | ug/l  | # 1      |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 50066               | 28.474    | ug/l  | # 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 50066               | 77.561    | ug/l  | # 5      |
| -----                         |                |      |                     |           |       |          |

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

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Sample : IBLK  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

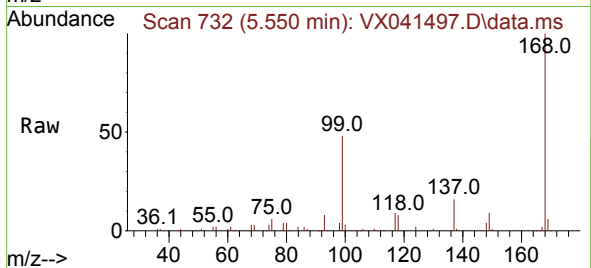
Quant Time: May 14 01:35:39 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 08 06:03:16 2024  
Response via : Initial Calibration



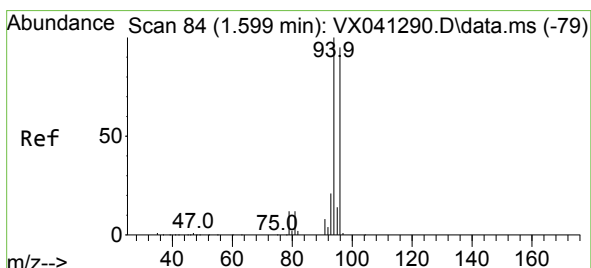
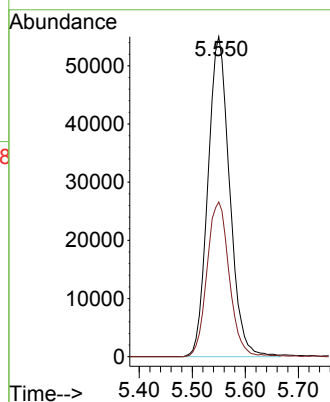
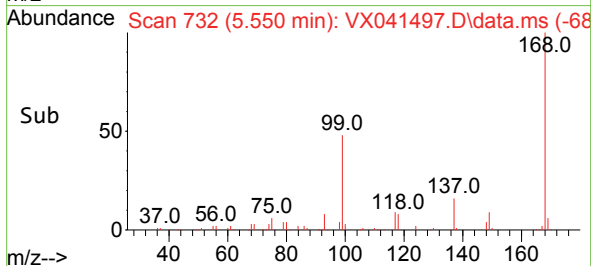


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX041497.D  
Acq: 13 May 2024 17:22

Instrument :  
MSVOA\_X  
ClientSampleId :

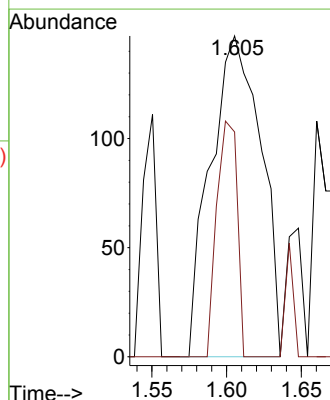
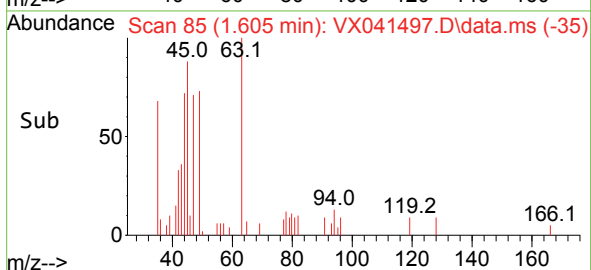
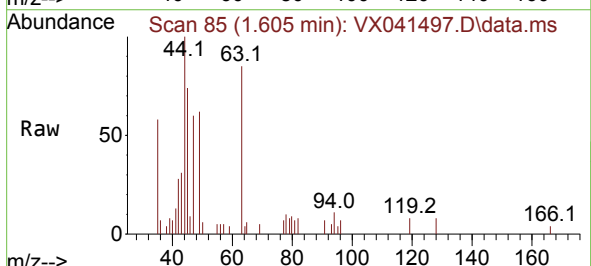


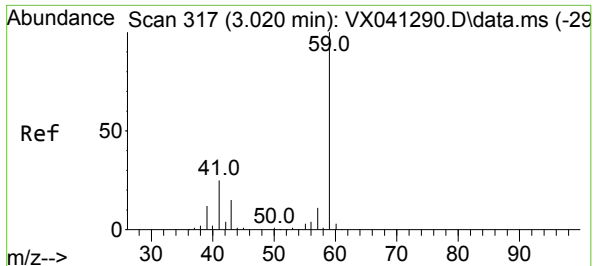
Tgt Ion:168 Resp: 156195  
Ion Ratio Lower Upper  
168 100  
99 48.4 56.6 85.0#



#5  
Bromomethane  
Concen: 0.435 ug/l  
RT: 1.605 min Scan# 85  
Delta R.T. 0.006 min  
Lab File: VX041497.D  
Acq: 13 May 2024 17:22

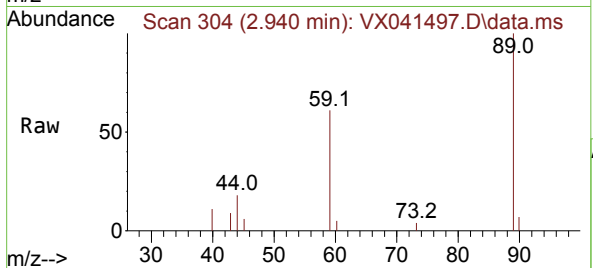
Tgt Ion: 94 Resp: 345  
Ion Ratio Lower Upper  
94 100  
96 70.1 74.6 111.8#



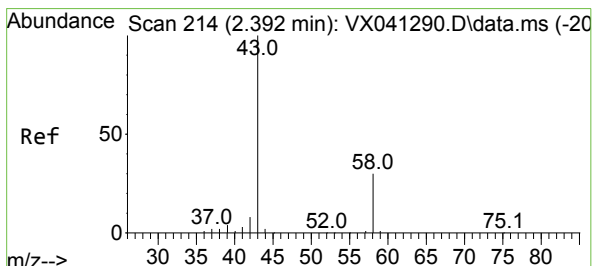
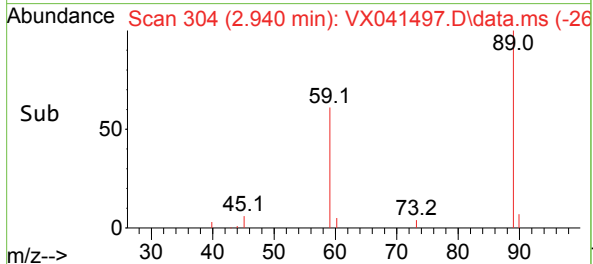
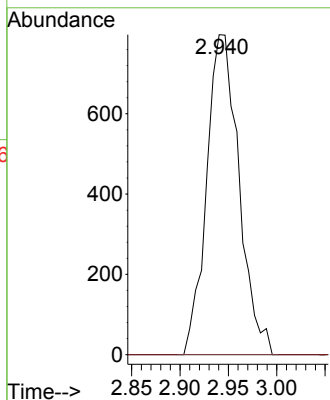


#11  
Tert butyl alcohol  
Concen: 5.448 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.079 min  
Lab File: VX041497.D  
Acq: 13 May 2024 17:22

Instrument :  
MSVOA\_X  
ClientSampleId :

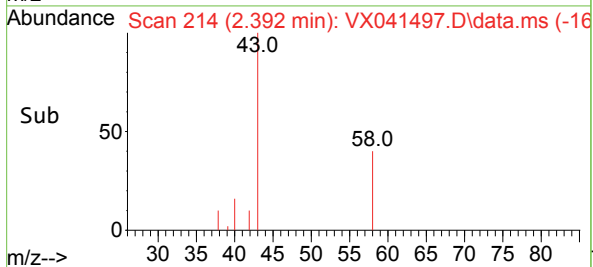
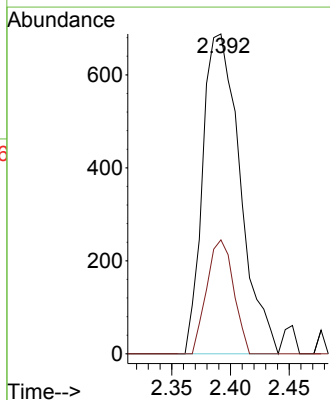
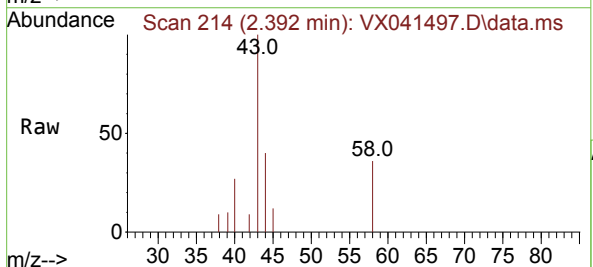


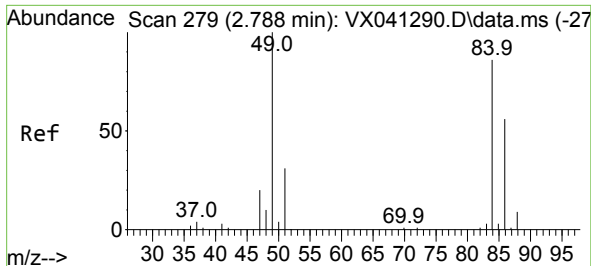
Tgt Ion: 59 Resp: 1854  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#



#16  
Acetone  
Concen: Below Cal  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX041497.D  
Acq: 13 May 2024 17:22

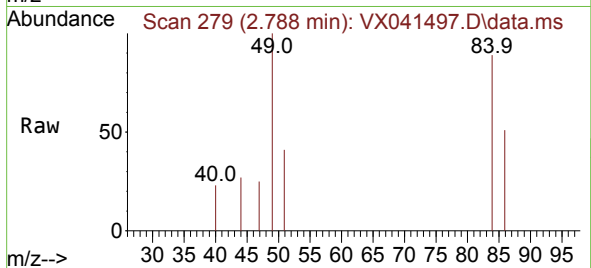
Tgt Ion: 43 Resp: 1521  
Ion Ratio Lower Upper  
43 100  
58 35.6 21.9 32.9#



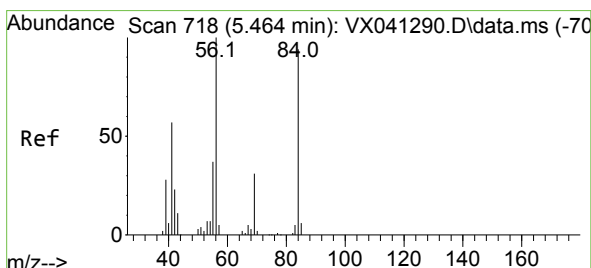
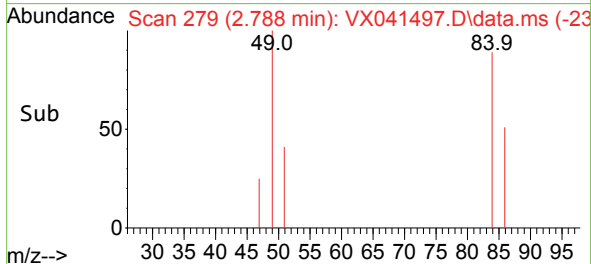
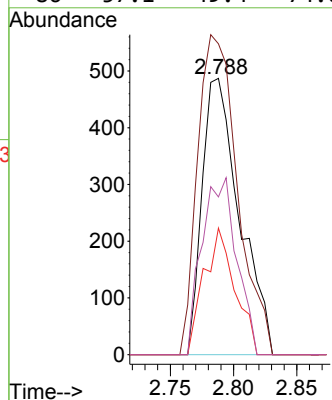


#20  
Methylene Chloride  
Concen: 0.681 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX041497.D  
Acq: 13 May 2024 17:22

Instrument :  
MSVOA\_X  
ClientSampleId :

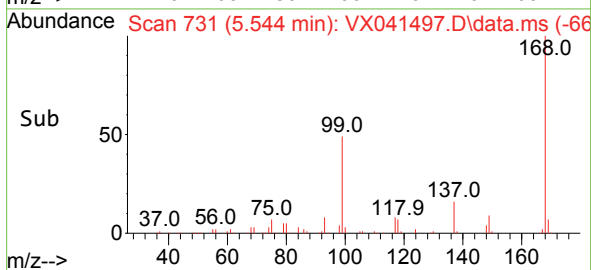
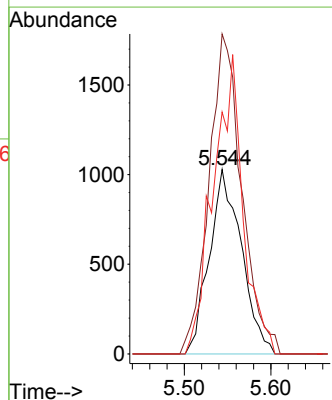
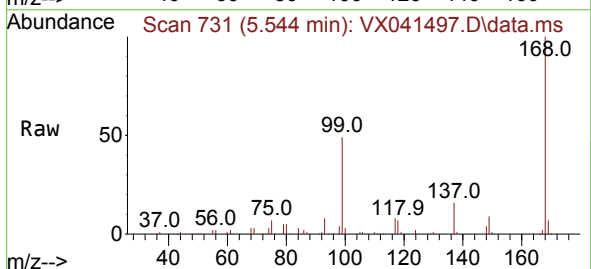


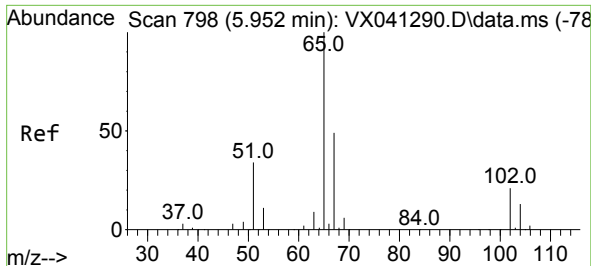
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1005  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 112.5 | 103.6 | 155.4 |
| 51       | 45.8  | 33.8  | 50.6  |
| 86       | 57.1  | 49.4  | 74.0  |



#31  
Cyclohexane  
Concen: 1.289 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.079 min  
Lab File: VX041497.D  
Acq: 13 May 2024 17:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 2646  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 173.5 | 23.4  | 35.2# |
| 84       | 131.1 | 65.9  | 98.9# |





#33

1,2-Dichloroethane-d4

Concen: 51.600 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041497.D

Acq: 13 May 2024 17:22

Instrument :

MSVOA\_X

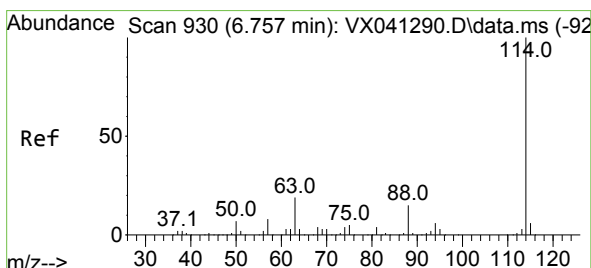
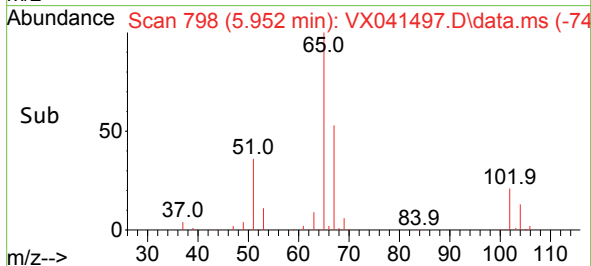
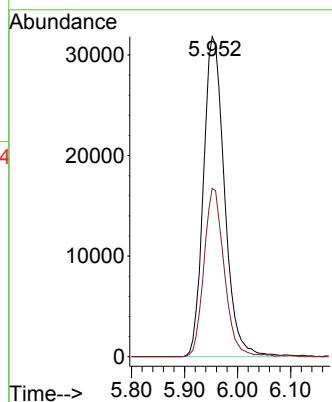
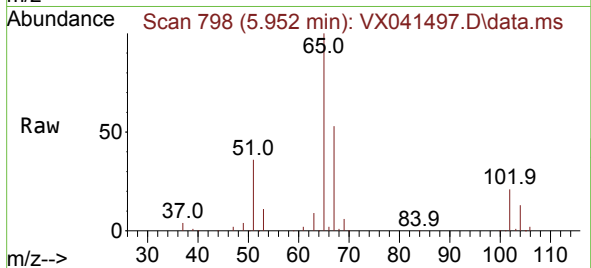
ClientSampleId :

Tgt Ion: 65 Resp: 87740

Ion Ratio Lower Upper

65 100

67 50.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX041497.D

Acq: 13 May 2024 17:22

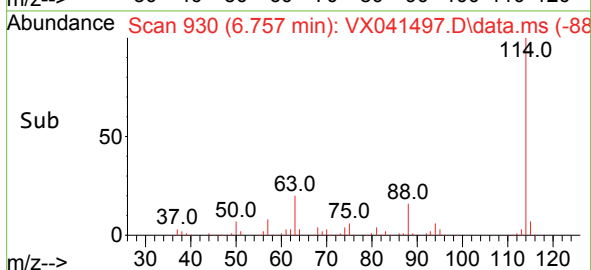
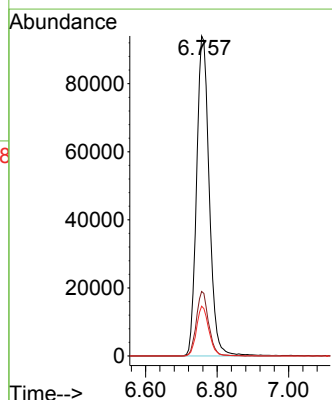
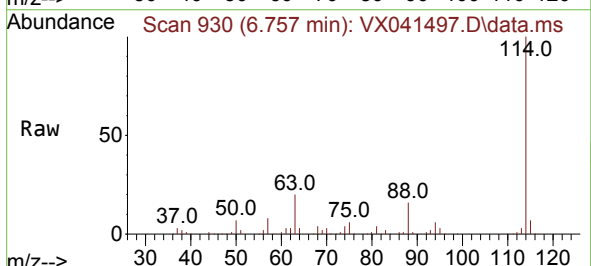
Tgt Ion: 114 Resp: 230996

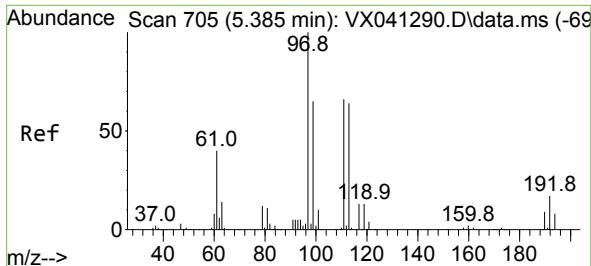
Ion Ratio Lower Upper

114 100

63 20.1 0.0 45.0

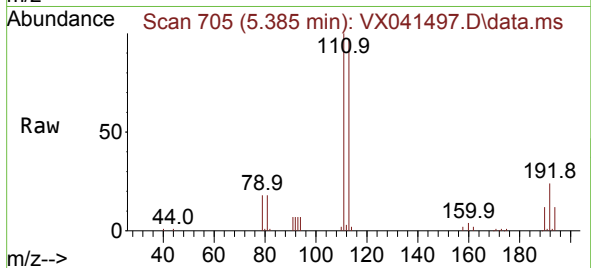
88 15.6 0.0 36.6



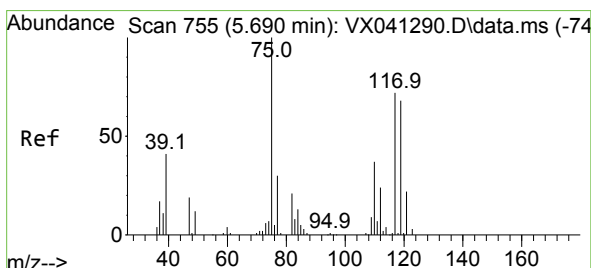
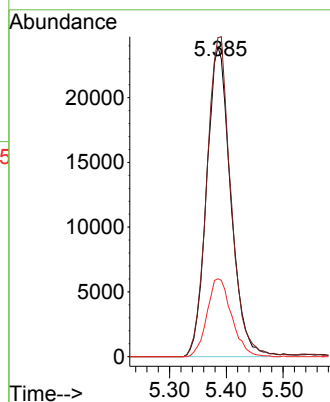
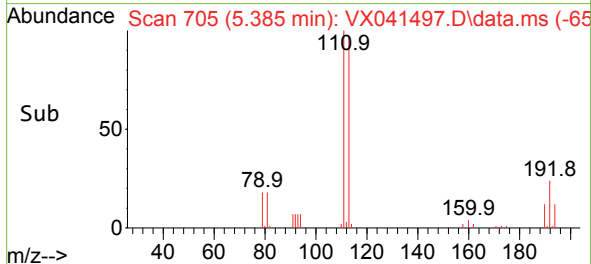


#35  
Dibromofluoromethane  
Concen: 45.121 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX041497.D  
Acq: 13 May 2024 17:22

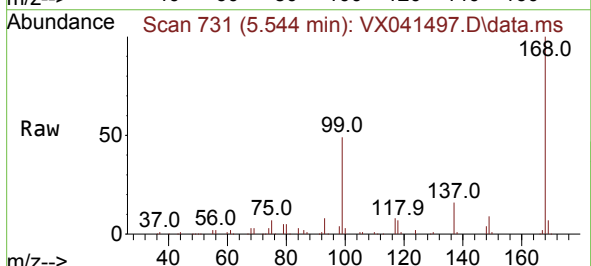
Instrument :  
MSVOA\_X  
ClientSampleId :



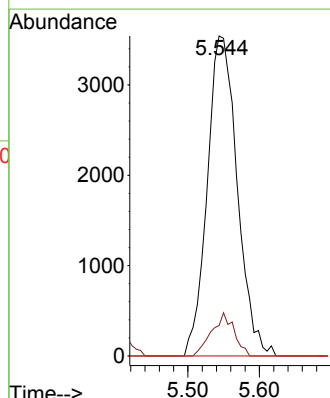
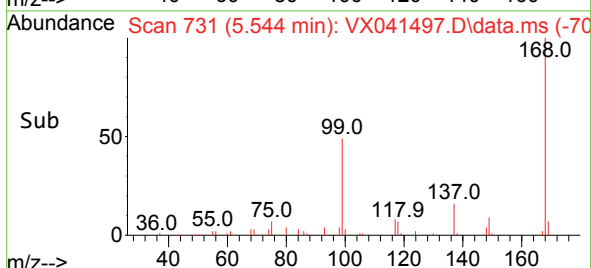
Tgt Ion:113 Resp: 70632  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.9 124.3  
192 25.7 13.3 19.9#

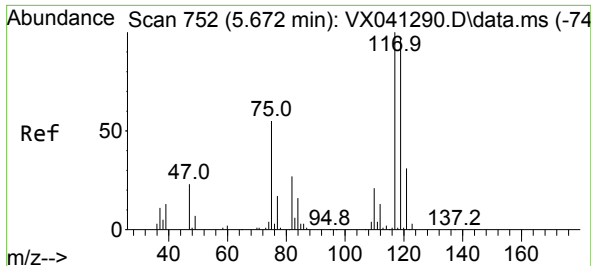


#36  
1,1-Dichloropropene  
Concen: 5.513 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.146 min  
Lab File: VX041497.D  
Acq: 13 May 2024 17:22



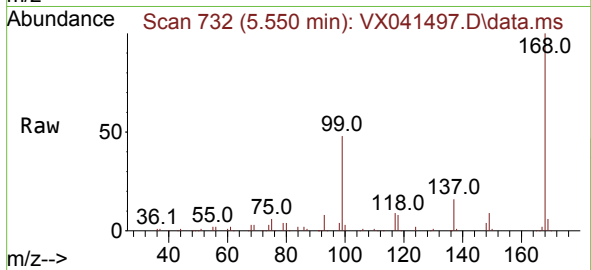
Tgt Ion: 75 Resp: 10319  
Ion Ratio Lower Upper  
75 100  
110 10.0 17.0 50.9#  
77 0.0 24.7 37.1#



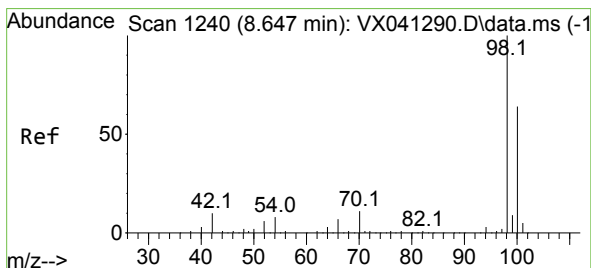
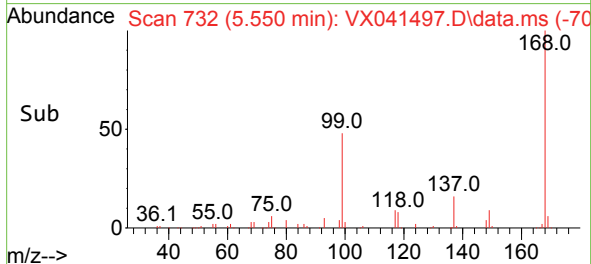
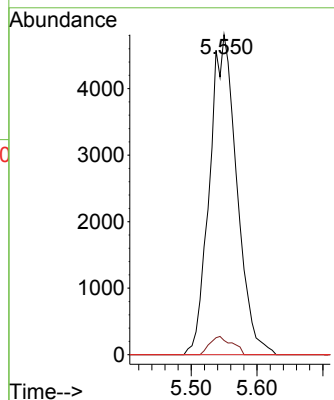


#38  
Carbon Tetrachloride  
Concen: 6.484 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX041497.D  
Acq: 13 May 2024 17:22

Instrument :  
MSVOA\_X  
ClientSampleId :

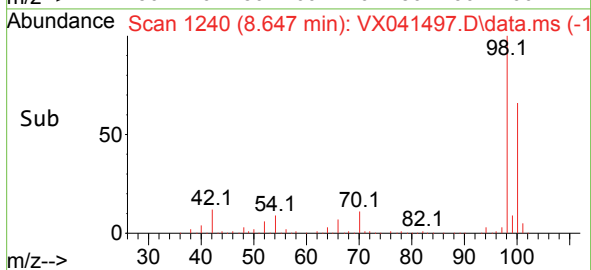
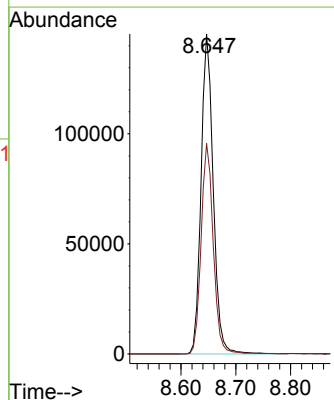
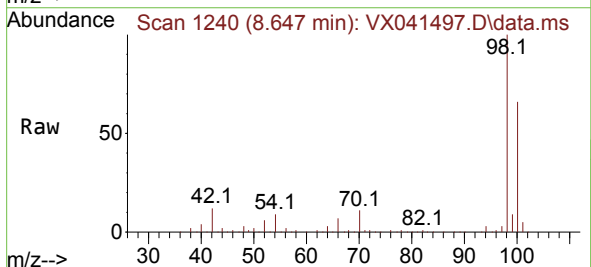


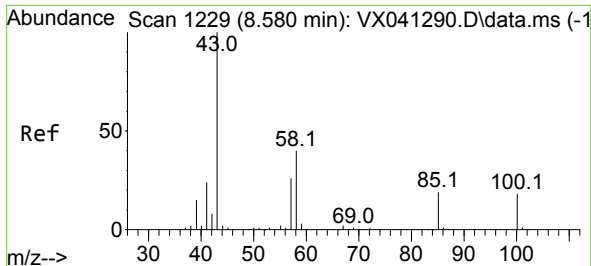
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Ion Ratio Lower Upper  
117 100  
119 4.4 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 45.211 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX041497.D  
Acq: 13 May 2024 17:22

Tgt Ion: 98 Resp: 224002  
Ion Ratio Lower Upper  
98 100  
100 65.9 53.1 79.7

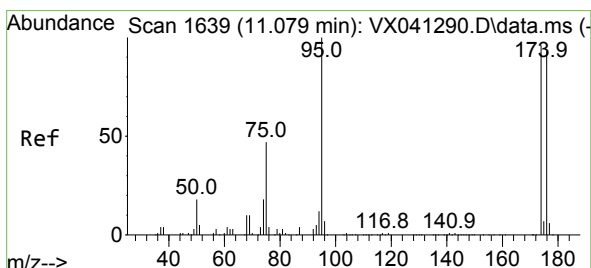
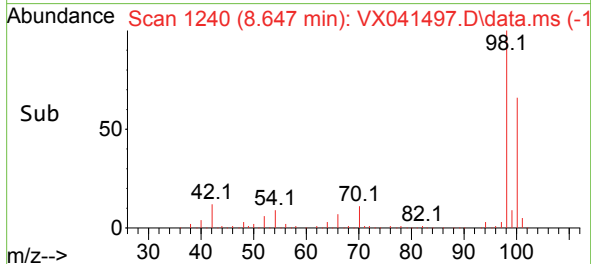
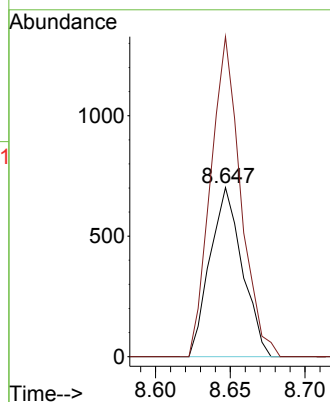
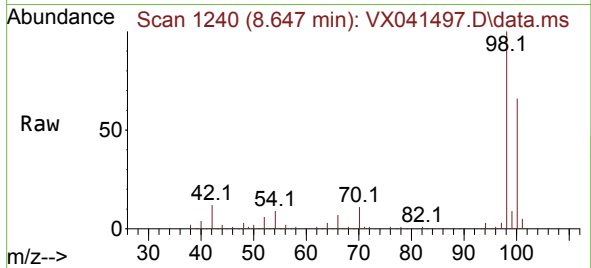




#51  
4-Methyl-2-Pentanone  
Concen: 0.501 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.067 min  
Lab File: VX041497.D  
Acq: 13 May 2024 17:22

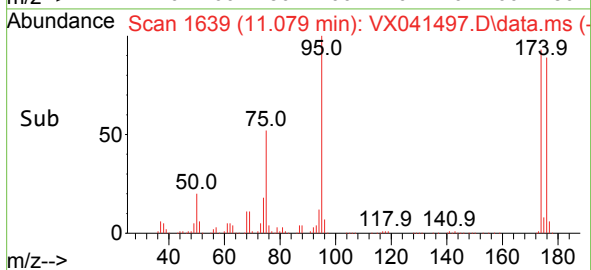
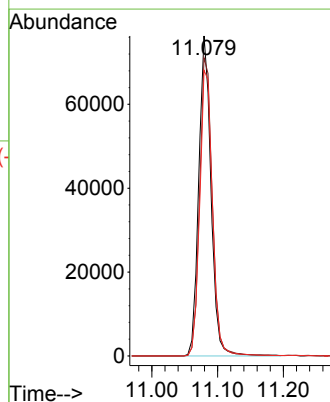
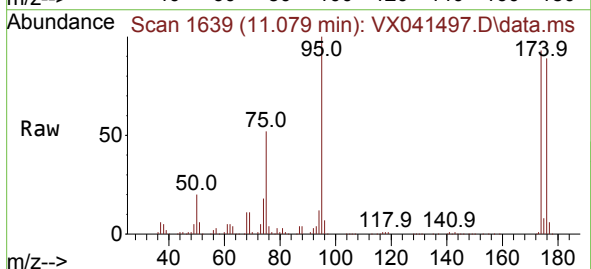
Instrument :  
MSVOA\_X  
ClientSampleId :

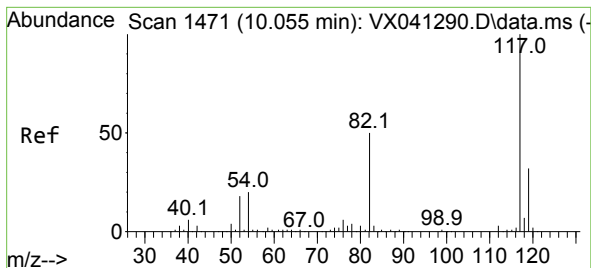
Tgt Ion: 43 Resp: 1056  
Ion Ratio Lower Upper  
43 100  
58 175.8 30.4 45.6#



#62  
4-Bromofluorobenzene  
Concen: 51.340 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX041497.D  
Acq: 13 May 2024 17:22

Tgt Ion: 95 Resp: 98468  
Ion Ratio Lower Upper  
95 100  
174 97.0 0.0 135.6  
176 93.4 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

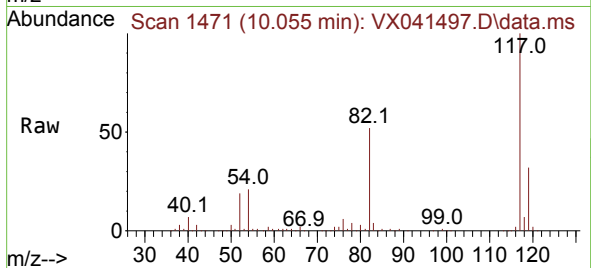
Lab File: VX041497.D

Acq: 13 May 2024 17:22

Instrument :

MSVOA\_X

ClientSampleId :



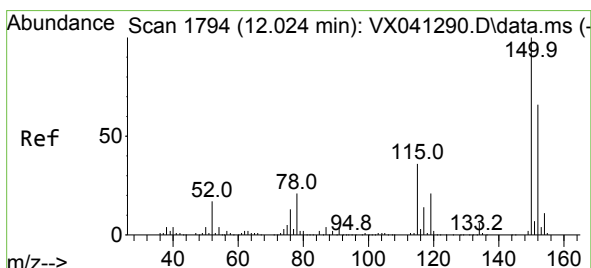
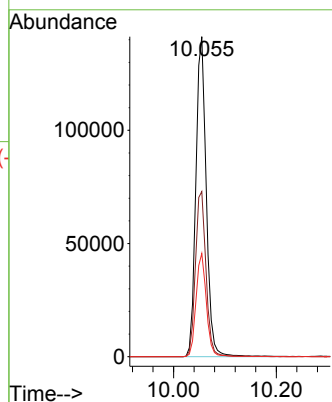
Tgt Ion:117 Resp: 198984

Ion Ratio Lower Upper

117 100

82 51.6 46.2 69.4

119 32.3 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: VX041497.D

Acq: 13 May 2024 17:22

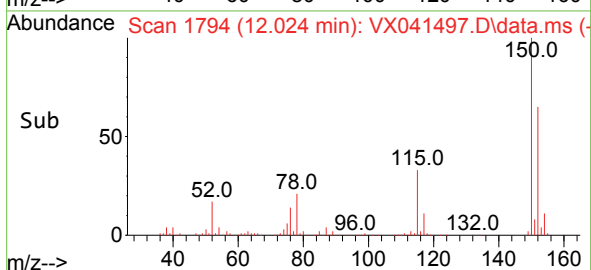
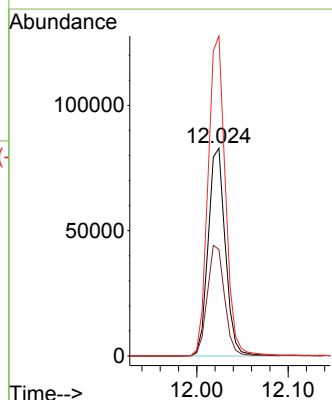
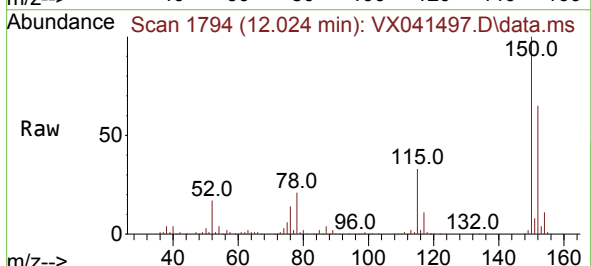
Tgt Ion:152 Resp: 107891

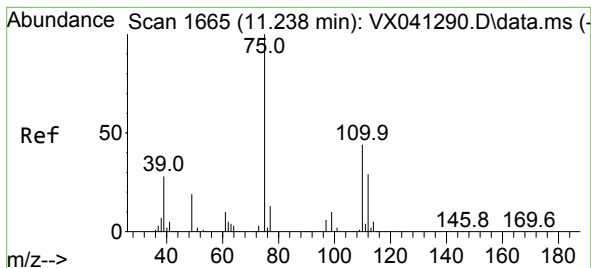
Ion Ratio Lower Upper

152 100

115 53.7 43.3 129.9

150 156.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 28.474 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX041497.D

Acq: 13 May 2024 17:22

Instrument :

MSVOA\_X

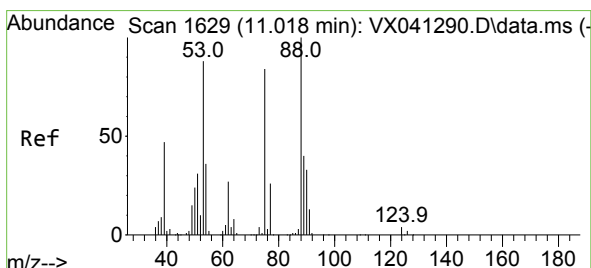
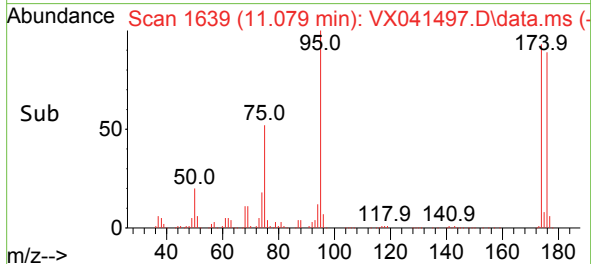
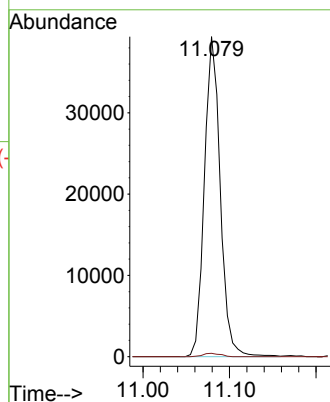
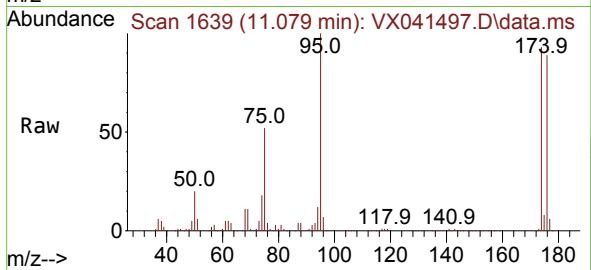
ClientSampleId :

Tgt Ion: 75 Resp: 50066

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.561 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041497.D

Acq: 13 May 2024 17:22

Tgt Ion: 75 Resp: 50066

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

