

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060524\  
 Data File : VX041757.D  
 Acq On : 05 Jun 2024 17:59  
 Operator : JC/MD  
 Sample : P2717-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 06 02:23:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052924W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 30 07:36:24 2024  
 Response via : Initial Calibration

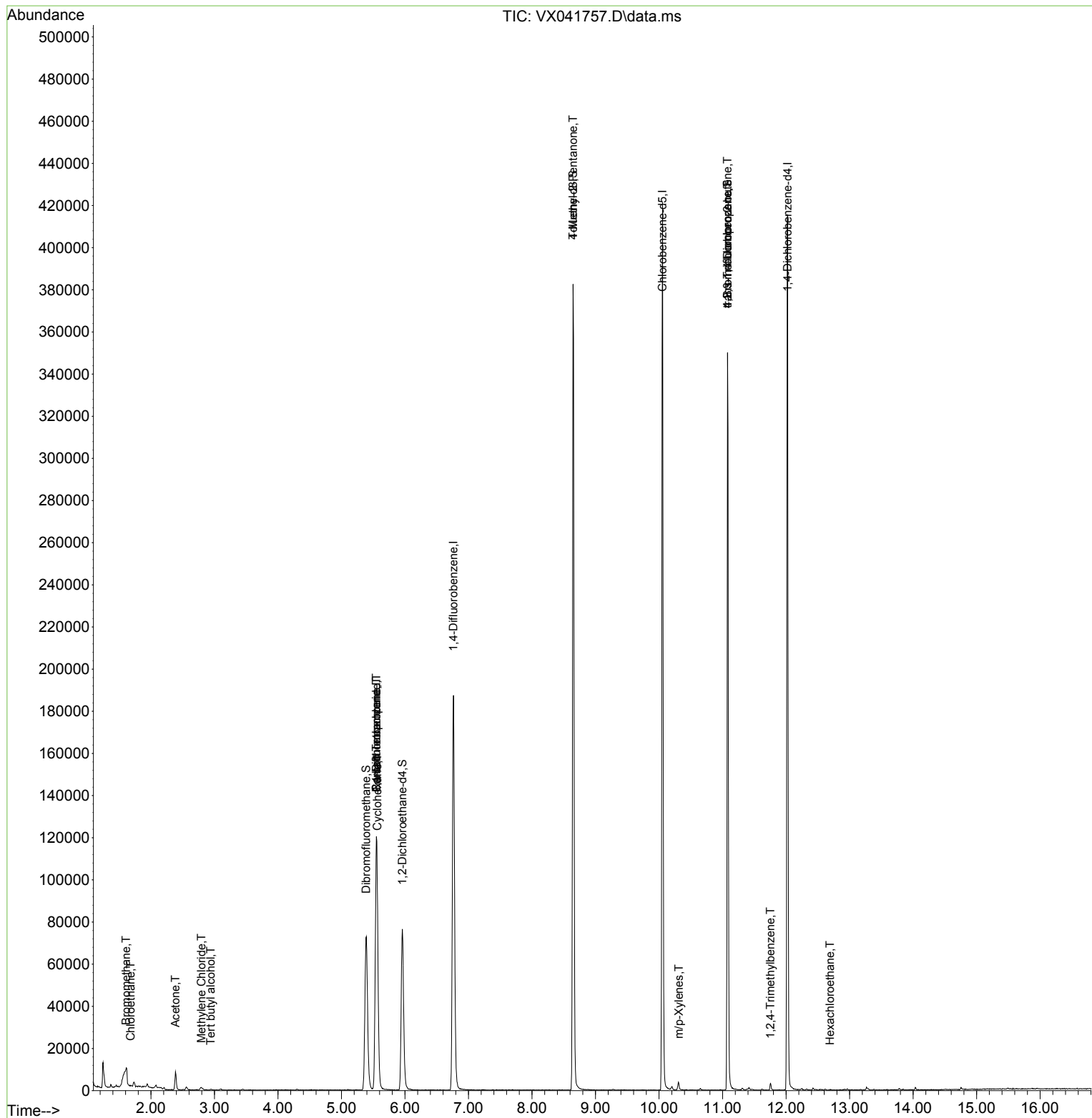
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 128527   | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 197392   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 190288   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 95789    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 75719    | 48.035   | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =     | 96.060%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 63969    | 46.872   | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =     | 93.740%  |
| 50) Toluene-d8                | 8.647  | 98    | 228311   | 47.878   | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =     | 95.760%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 86231    | 48.995   | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =     | 97.980%  |
| Target Compounds              |        |       |          |          |       |          |
|                               |        |       |          |          |       | Qvalue   |
| 5) Bromomethane               | 1.605  | 94    | 339      | 0.384    | ug/l  | # 52     |
| 6) Chloroethane               | 1.678  | 64    | 299      | 0.390    | ug/l  | 94       |
| 11) Tert butyl alcohol        | 2.940  | 59    | 199      | 0.714    | ug/l  | # 78     |
| 16) Acetone                   | 2.386  | 43    | 8832     | 10.076   | ug/l  | 94       |
| 20) Methylene Chloride        | 2.794  | 84    | 628      | 0.445    | ug/l  | 89       |
| 31) Cyclohexane               | 5.562  | 56    | 2409     | 1.294    | ug/l  | # 2      |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 8287     | 5.015    | ug/l  | # 50     |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 11809    | 6.290    | ug/l  | # 15     |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1061     | 0.520    | ug/l  | # 1      |
| 68) m/p-Xylenes               | 10.311 | 106   | 1075     | 0.415    | ug/l  | 96       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 44249    | 26.476   | ug/l  | # 38     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 44249    | 72.159   | ug/l  | # 5      |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105   | 1897     | 0.377    | ug/l  | 96       |
| 90) Hexachloroethane          | 12.695 | 117   | 224      | 0.245    | ug/l  | # 17     |
| -----                         |        |       |          |          |       |          |

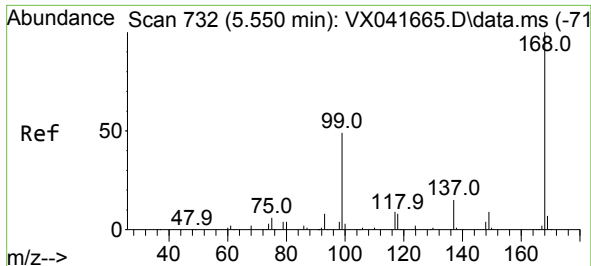
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052924W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 30 07:36:24 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: VX041757.D

Acq: 05 Jun 2024 17:59

Instrument :

MSVOA\_X

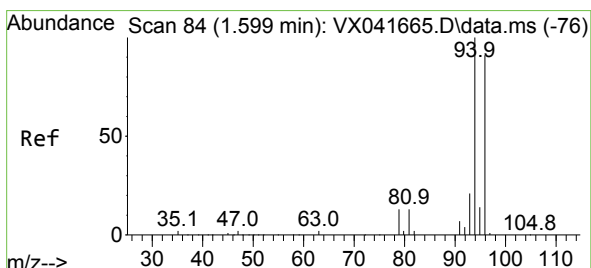
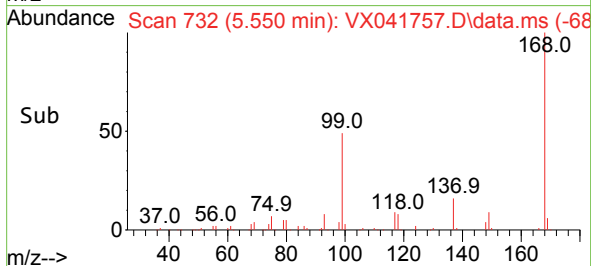
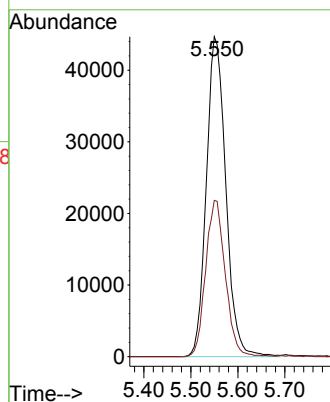
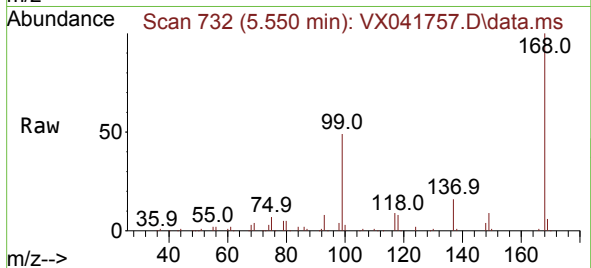
ClientSampleId :

Tgt Ion:168 Resp: 128527

Ion Ratio Lower Upper

168 100

99 48.8 56.6 85.0#



#5

Bromomethane

Concen: 0.384 ug/l

RT: 1.605 min Scan# 85

Delta R.T. 0.006 min

Lab File: VX041757.D

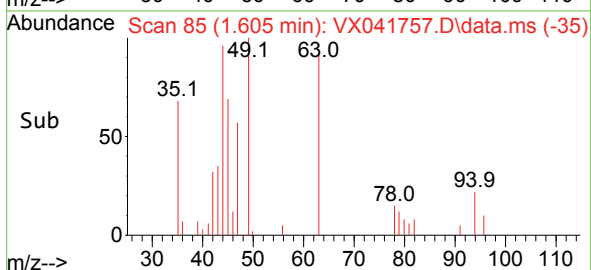
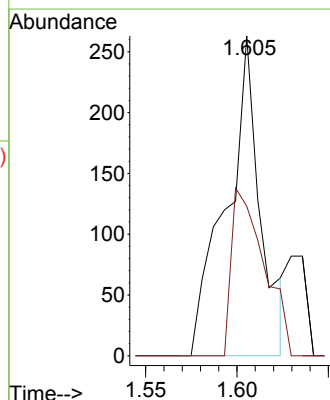
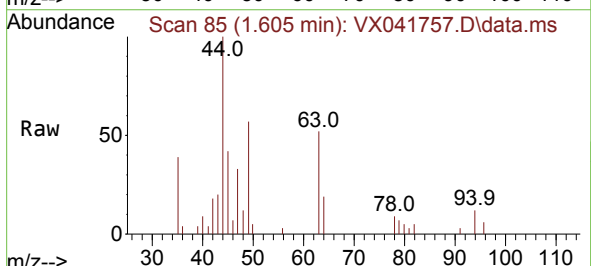
Acq: 05 Jun 2024 17:59

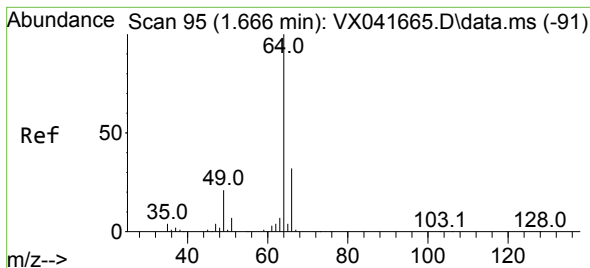
Tgt Ion: 94 Resp: 339

Ion Ratio Lower Upper

94 100

96 46.8 74.6 111.8#





#6

Chloroethane

Concen: 0.390 ug/l

RT: 1.678 min Scan# 91

Delta R.T. 0.012 min

Lab File: VX041757.D

Acq: 05 Jun 2024 17:59

Instrument :

MSVOA\_X

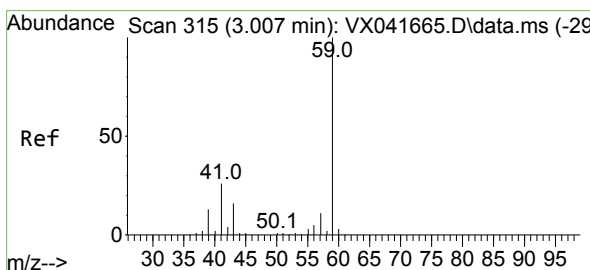
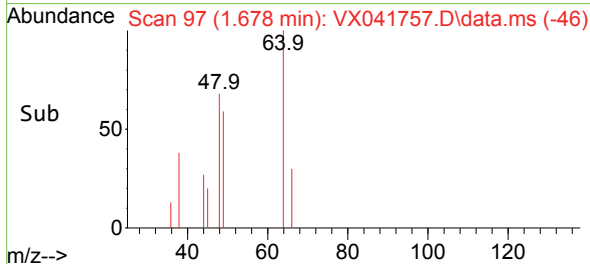
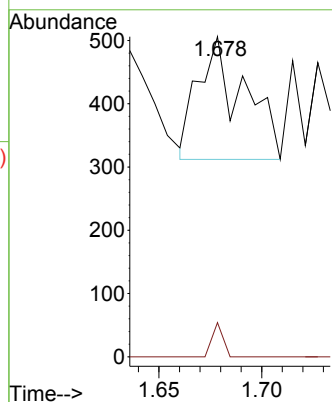
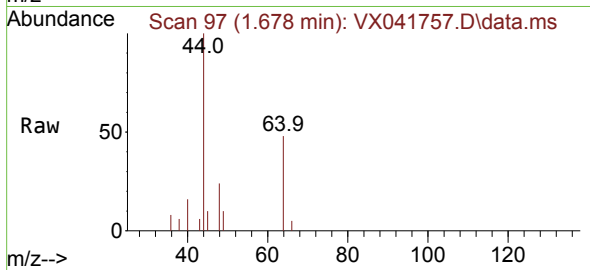
ClientSampleId :

Tgt Ion: 64 Resp: 299

Ion Ratio Lower Upper

64 100

66 27.8 25.1 37.7



#11

Tert butyl alcohol

Concen: 0.714 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.067 min

Lab File: VX041757.D

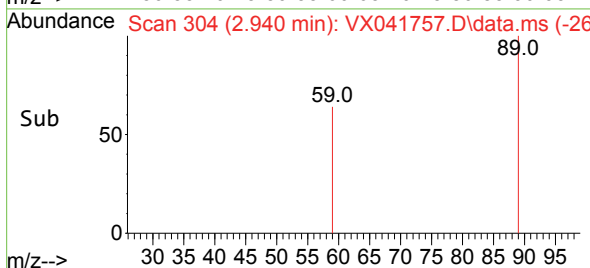
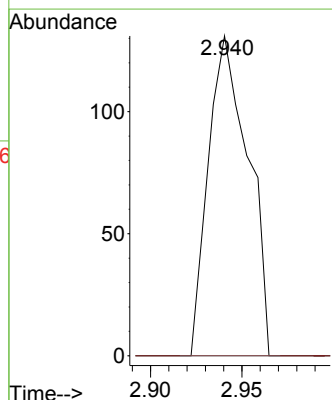
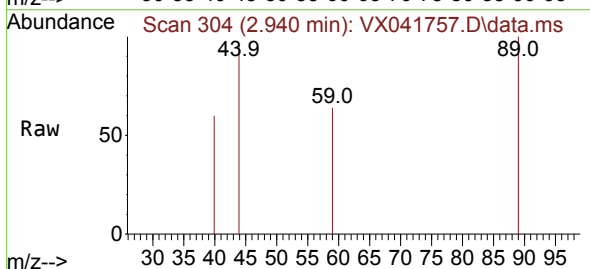
Acq: 05 Jun 2024 17:59

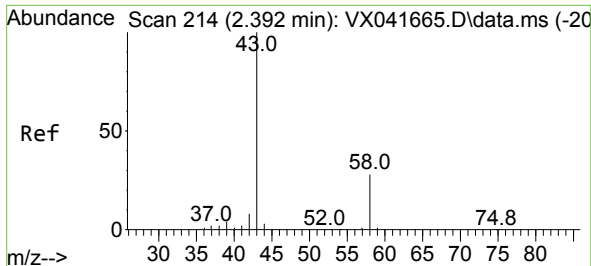
Tgt Ion: 59 Resp: 199

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#





#16

Acetone

Concen: 10.076 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX041757.D

Acq: 05 Jun 2024 17:59

Instrument :

MSVOA\_X

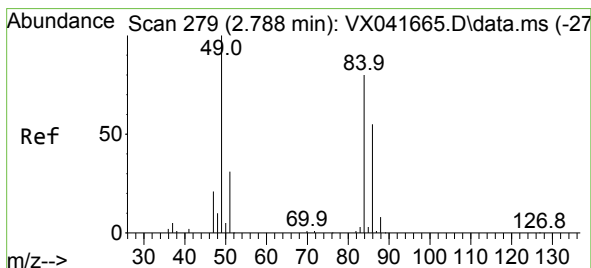
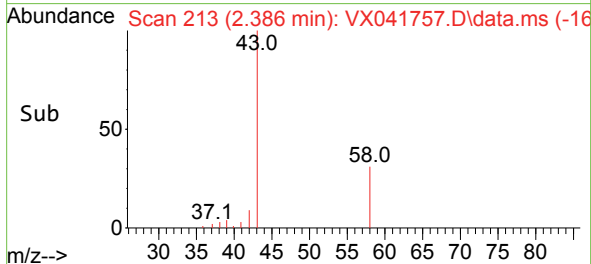
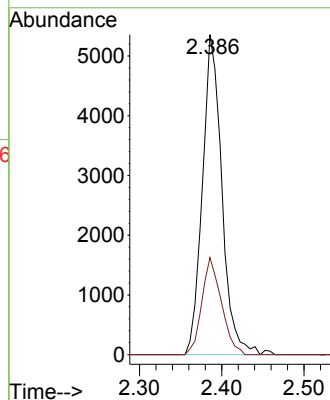
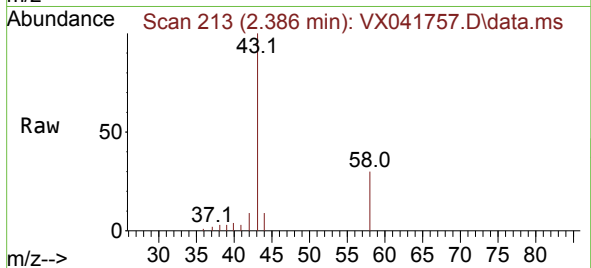
ClientSampleId :

Tgt Ion: 43 Resp: 8832

Ion Ratio Lower Upper

43 100

58 30.3 21.9 32.9



#20

Methylene Chloride

Concen: 0.445 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX041757.D

Acq: 05 Jun 2024 17:59

Tgt Ion: 84 Resp: 628

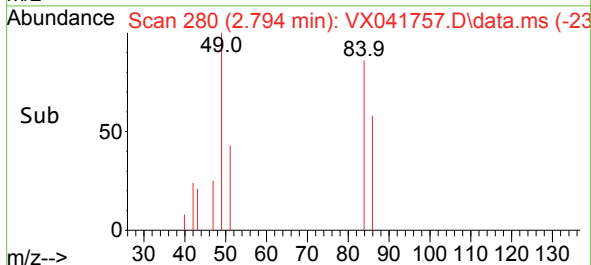
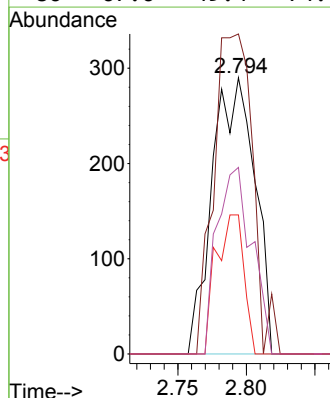
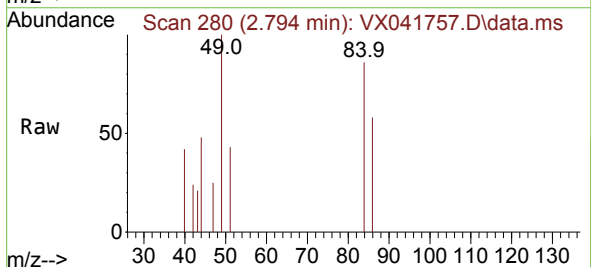
Ion Ratio Lower Upper

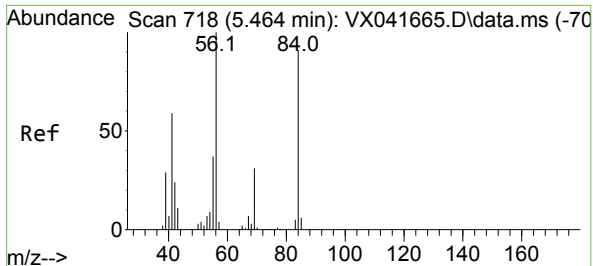
84 100

49 115.9 103.6 155.4

51 50.3 33.8 50.6

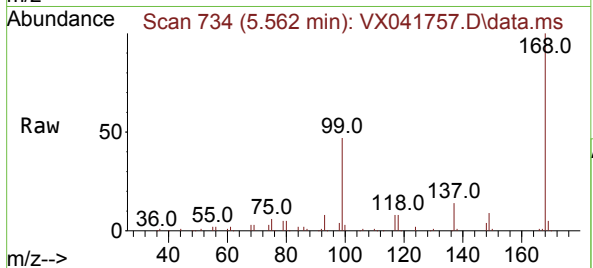
86 67.6 49.4 74.0



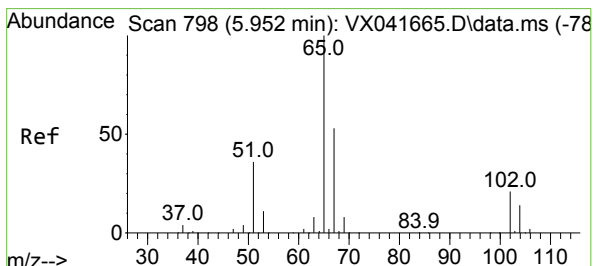
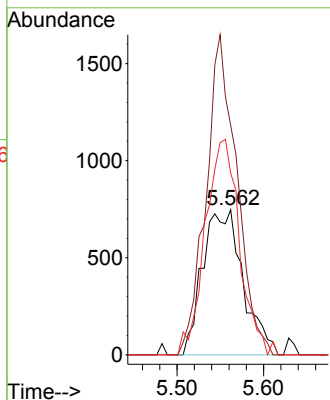
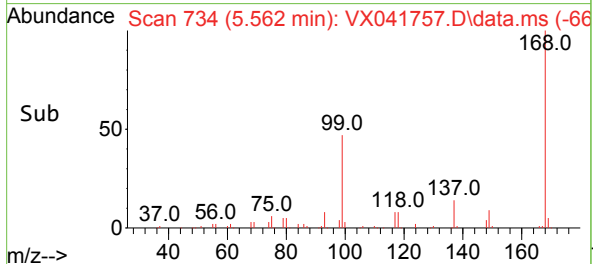


#31  
Cyclohexane  
Concen: 1.294 ug/l  
RT: 5.562 min Scan# 718  
Delta R.T. 0.098 min  
Lab File: VX041757.D  
Acq: 05 Jun 2024 17:59

Instrument :  
MSVOA\_X  
ClientSampleId :

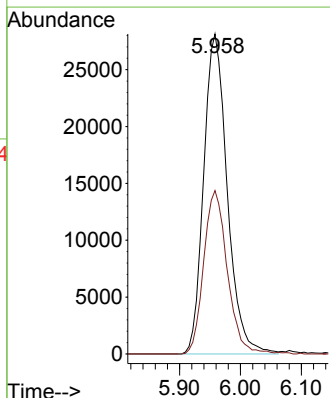
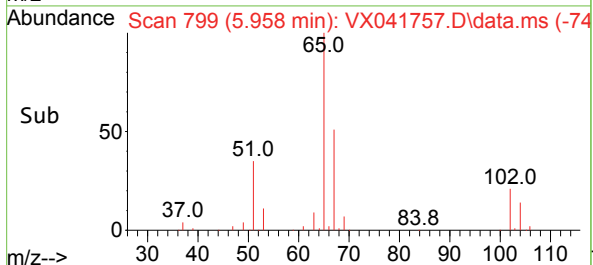
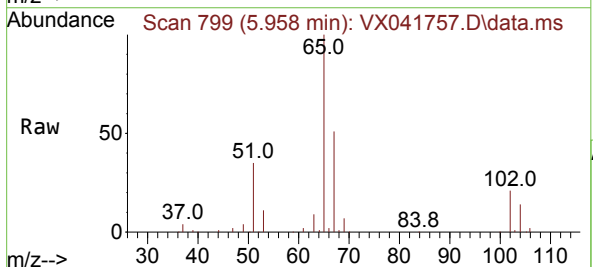


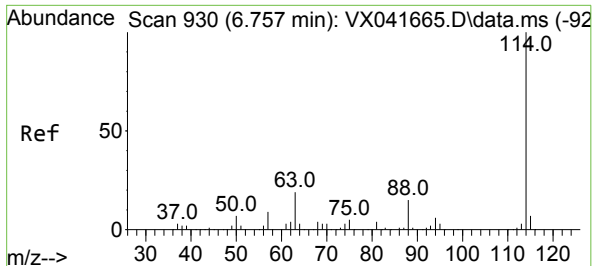
Tgt Ion: 56 Resp: 2409  
Ion Ratio Lower Upper  
56 100  
69 158.2 23.4 35.2#  
84 125.2 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 48.035 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.006 min  
Lab File: VX041757.D  
Acq: 05 Jun 2024 17:59

Tgt Ion: 65 Resp: 75719  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 100.2

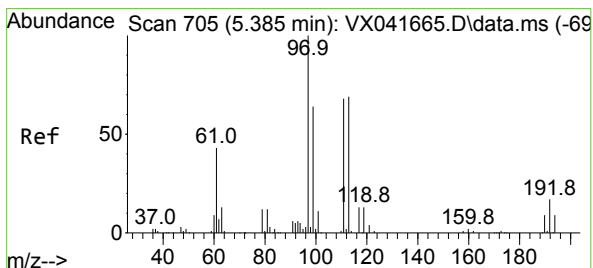
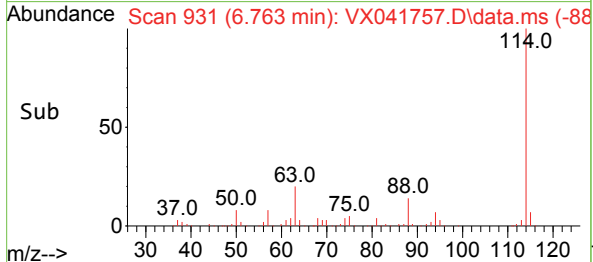
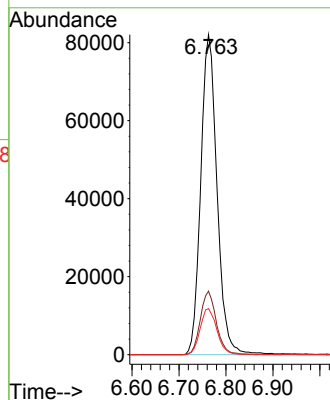
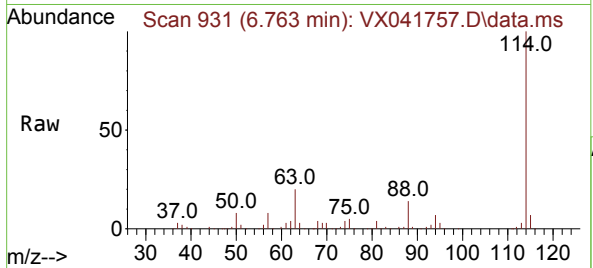




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX041757.D  
Acq: 05 Jun 2024 17:59

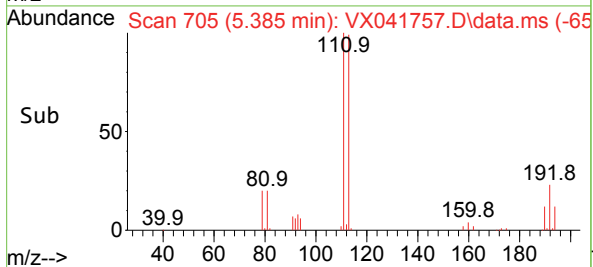
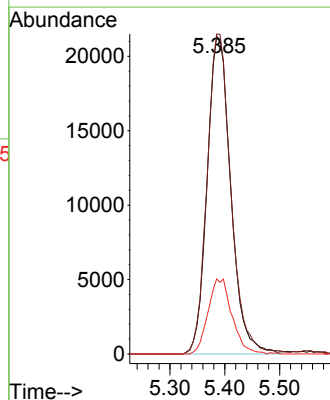
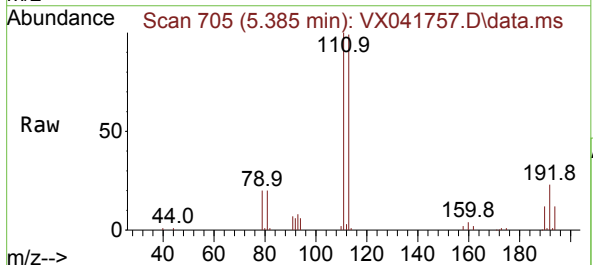
Instrument :  
MSVOA\_X  
ClientSampleId :

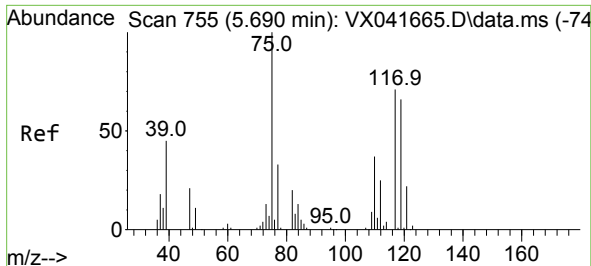
Tgt Ion:114 Resp: 197392  
Ion Ratio Lower Upper  
114 100  
63 19.8 0.0 45.0  
88 14.4 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 46.872 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX041757.D  
Acq: 05 Jun 2024 17:59

Tgt Ion:113 Resp: 63969  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.9 124.3  
192 23.9 13.3 19.9#

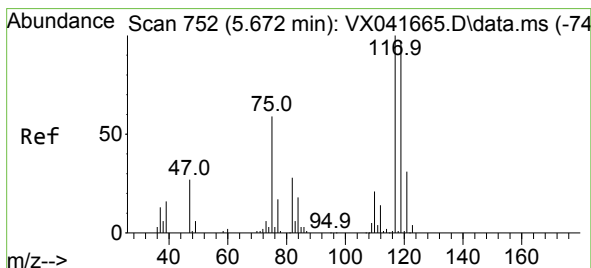
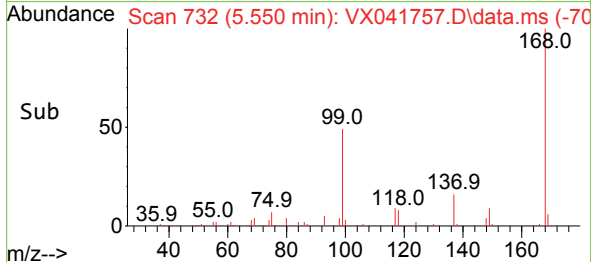
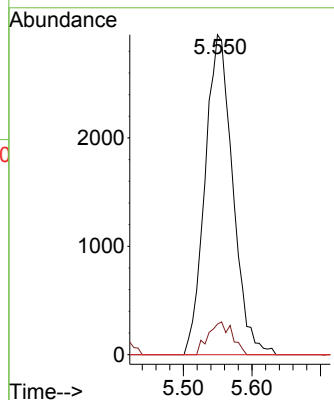
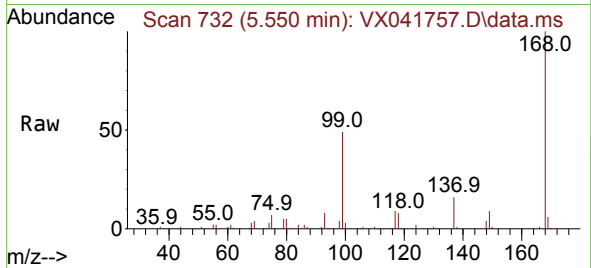




#36  
1,1-Dichloropropene  
Concen: 5.015 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX041757.D  
Acq: 05 Jun 2024 17:59

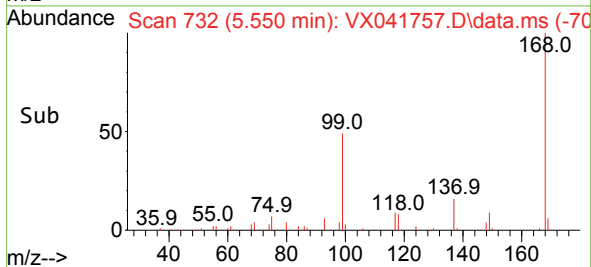
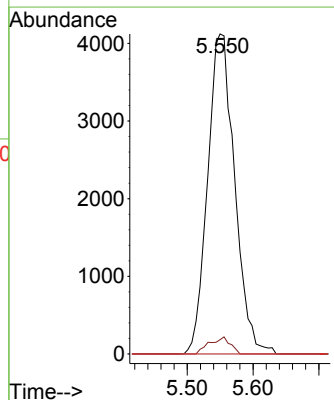
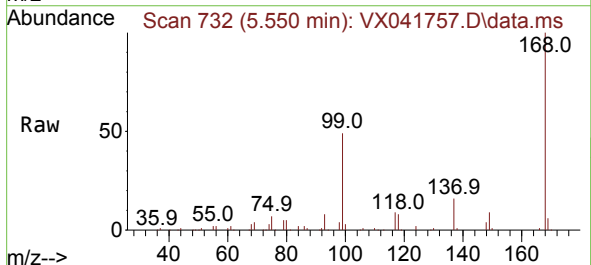
Instrument :  
MSVOA\_X  
ClientSampleId :

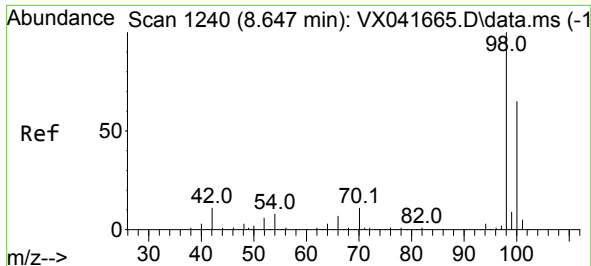
Tgt Ion: 75 Resp: 8287  
Ion Ratio Lower Upper  
75 100  
110 8.9 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.290 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.122 min  
Lab File: VX041757.D  
Acq: 05 Jun 2024 17:59

Tgt Ion: 117 Resp: 11809  
Ion Ratio Lower Upper  
117 100  
119 4.4 78.2 117.2#  
121 0.0 24.4 36.6#

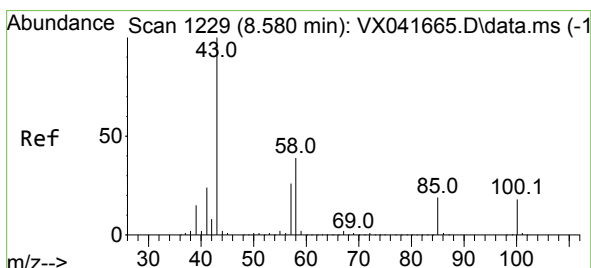
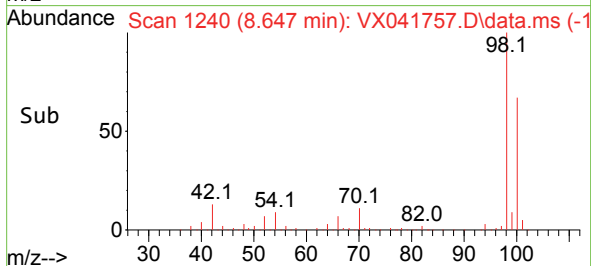
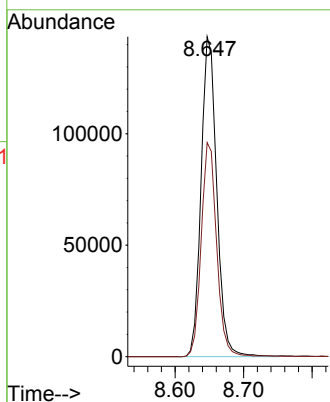
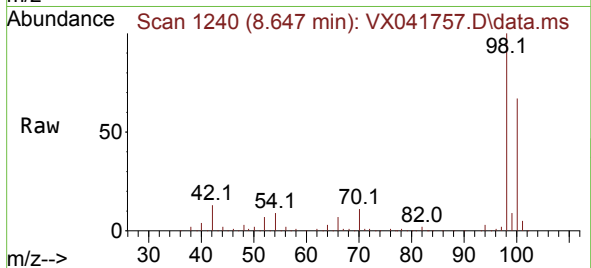




#50  
Toluene-d8  
Concen: 47.878 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX041757.D  
Acq: 05 Jun 2024 17:59

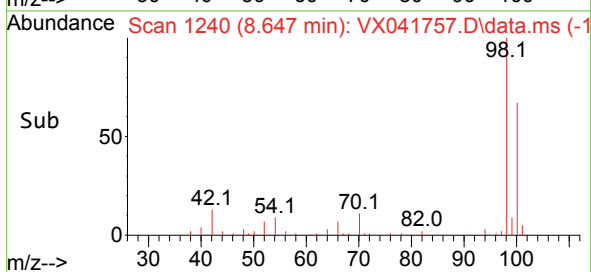
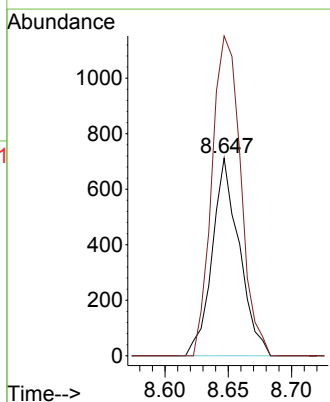
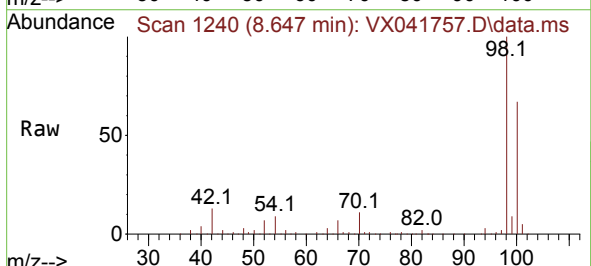
Instrument :  
MSVOA\_X  
ClientSampleId :

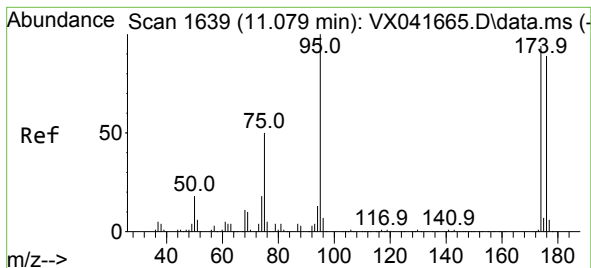
Tgt Ion: 98 Resp: 228311  
Ion Ratio Lower Upper  
98 100  
100 66.3 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.520 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.067 min  
Lab File: VX041757.D  
Acq: 05 Jun 2024 17:59

Tgt Ion: 43 Resp: 1061  
Ion Ratio Lower Upper  
43 100  
58 172.1 30.4 45.6#

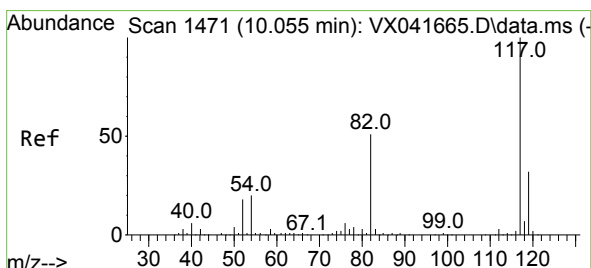
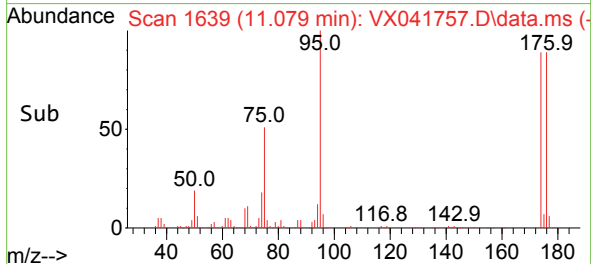
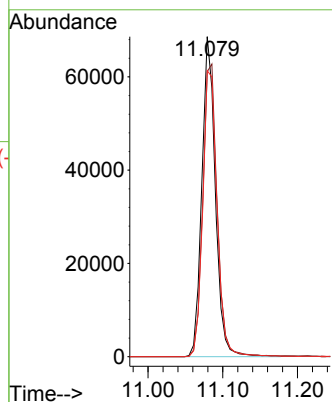
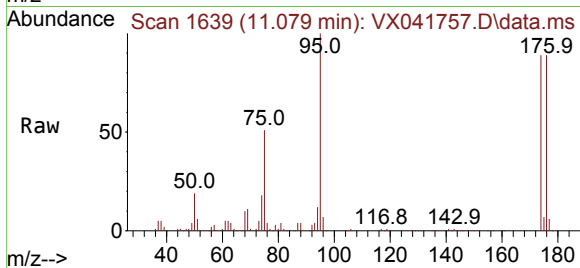




#62  
4-Bromofluorobenzene  
Concen: 48.995 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX041757.D  
Acq: 05 Jun 2024 17:59

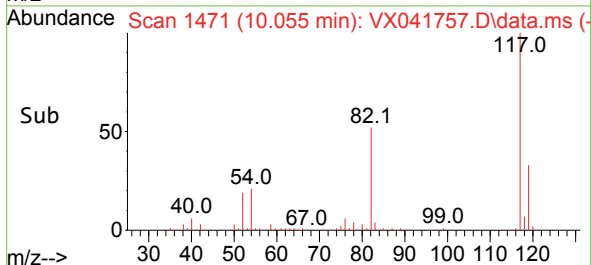
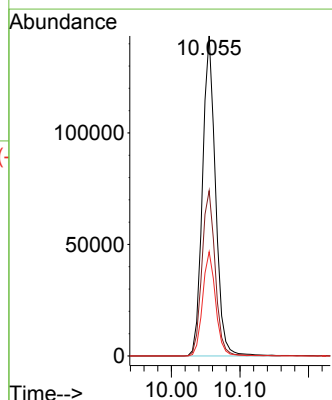
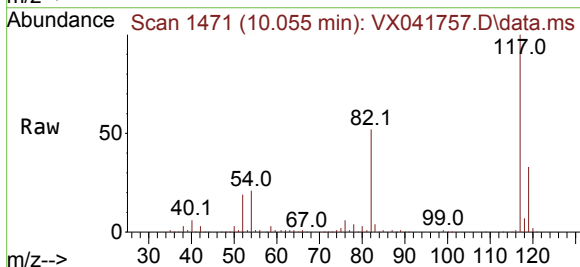
Instrument :  
MSVOA\_X  
ClientSampleId :

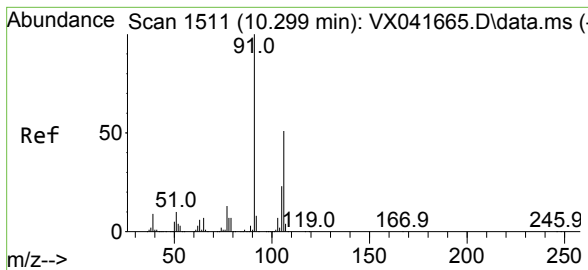
Tgt Ion: 95 Resp: 86231  
Ion Ratio Lower Upper  
95 100  
174 97.8 0.0 135.6  
176 95.0 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX041757.D  
Acq: 05 Jun 2024 17:59

Tgt Ion: 117 Resp: 190288  
Ion Ratio Lower Upper  
117 100  
82 51.7 46.2 69.4  
119 32.6 25.5 38.3

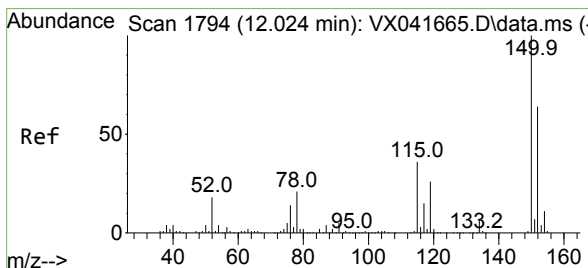
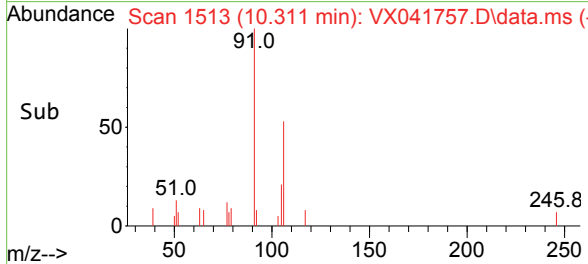
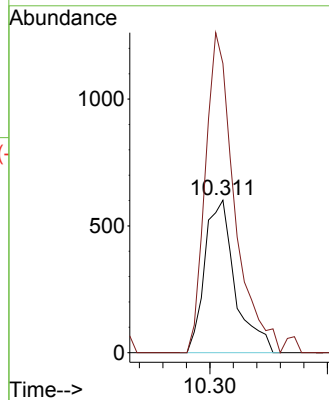
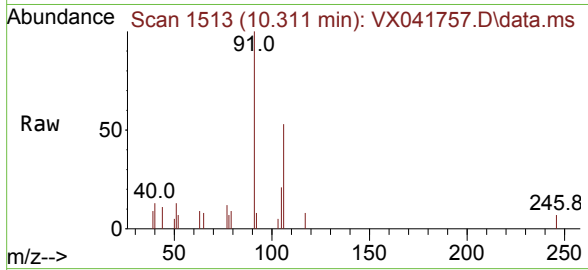




#68  
m/p-Xylenes  
Concen: 0.415 ug/l  
RT: 10.311 min Scan# 1513  
Delta R.T. 0.012 min  
Lab File: VX041757.D  
Acq: 05 Jun 2024 17:59

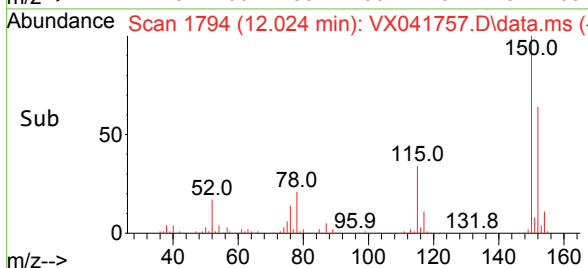
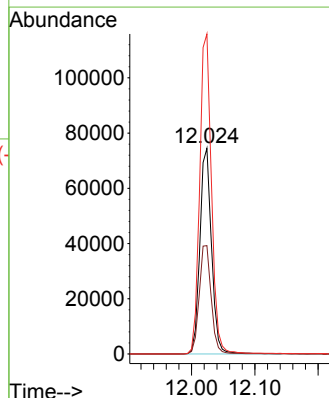
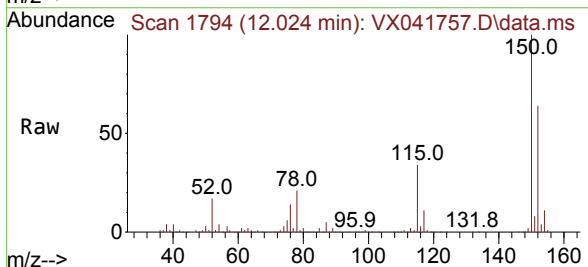
Instrument :  
MSVOA\_X  
ClientSampleId :

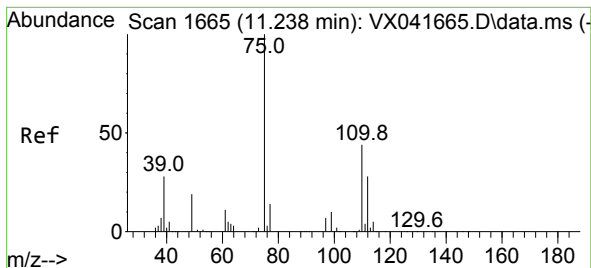
Tgt Ion:106 Resp: 1075  
Ion Ratio Lower Upper  
106 100  
91 201.4 165.5 248.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX041757.D  
Acq: 05 Jun 2024 17:59

Tgt Ion:152 Resp: 95789  
Ion Ratio Lower Upper  
152 100  
115 54.2 43.3 129.9  
150 157.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.476 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041757.D

Acq: 05 Jun 2024 17:59

Instrument :

MSVOA\_X

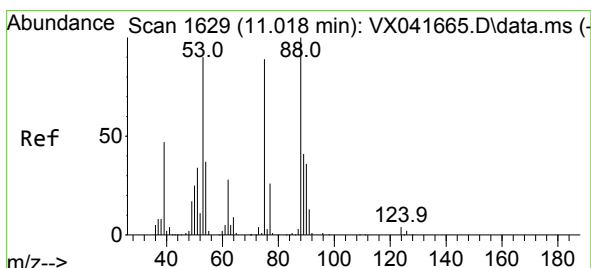
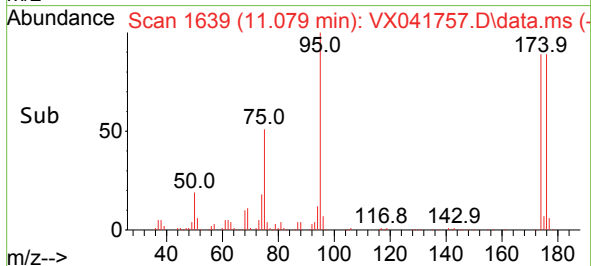
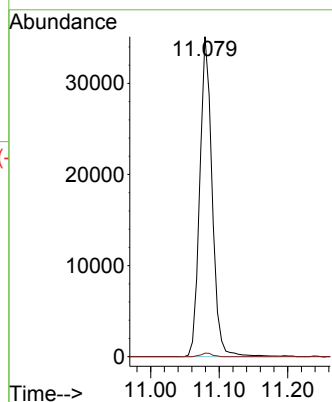
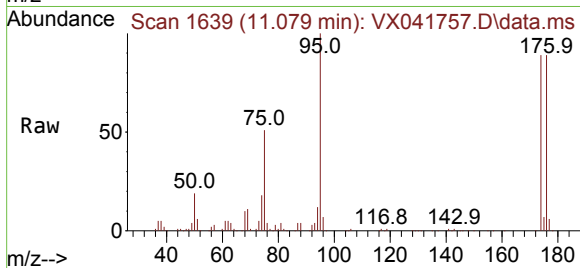
ClientSampleId :

Tgt Ion: 75 Resp: 44249

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.159 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041757.D

Acq: 05 Jun 2024 17:59

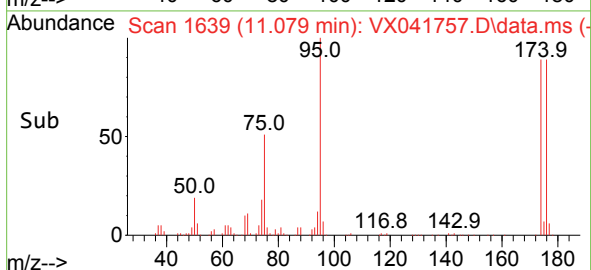
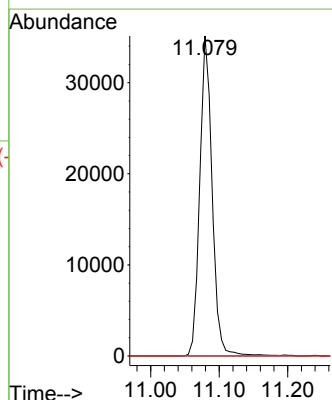
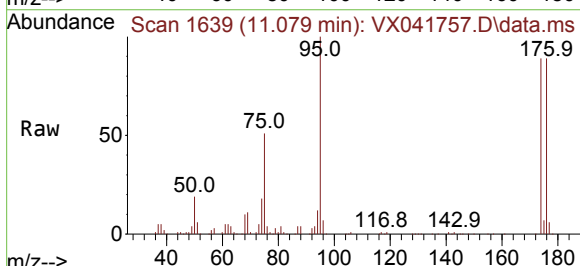
Tgt Ion: 75 Resp: 44249

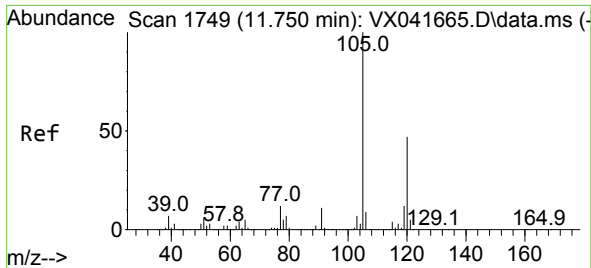
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

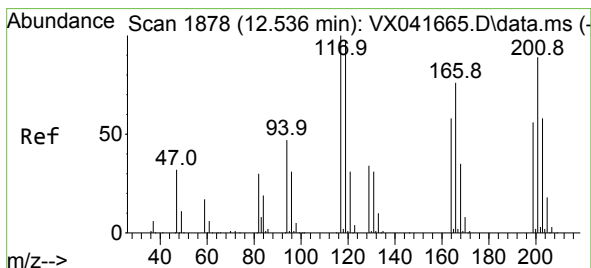
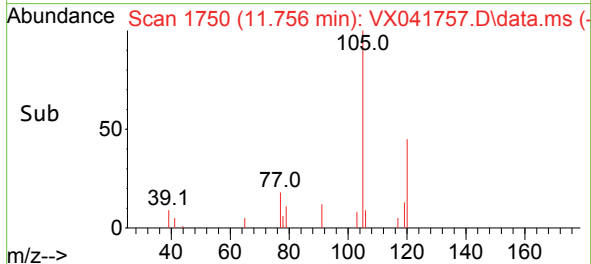
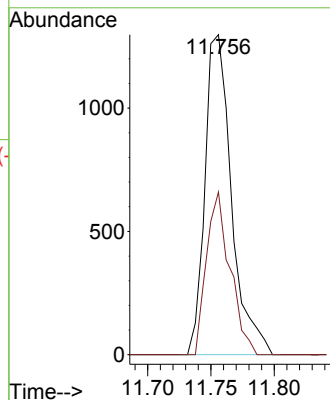
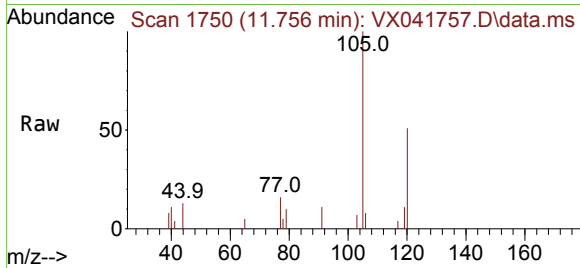




#84  
1,2,4-Trimethylbenzene  
Concen: 0.377 ug/l  
RT: 11.756 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX041757.D  
Acq: 05 Jun 2024 17:59

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion:105 Resp: 1897  
Ion Ratio Lower Upper  
105 100  
120 45.1 21.2 63.6



#90  
Hexachloroethane  
Concen: 0.245 ug/l  
RT: 12.695 min Scan# 1904  
Delta R.T. 0.159 min  
Lab File: VX041757.D  
Acq: 05 Jun 2024 17:59

Tgt Ion:117 Resp: 224  
Ion Ratio Lower Upper  
117 100  
201 0.0 32.9 98.6#

