

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070324\  
 Data File : VX042157.D  
 Acq On : 03 Jul 2024 12:26  
 Operator : JC/MD  
 Sample : VX0703WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jul 04 07:22:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 23:51:58 2024  
 Response via : Initial Calibration

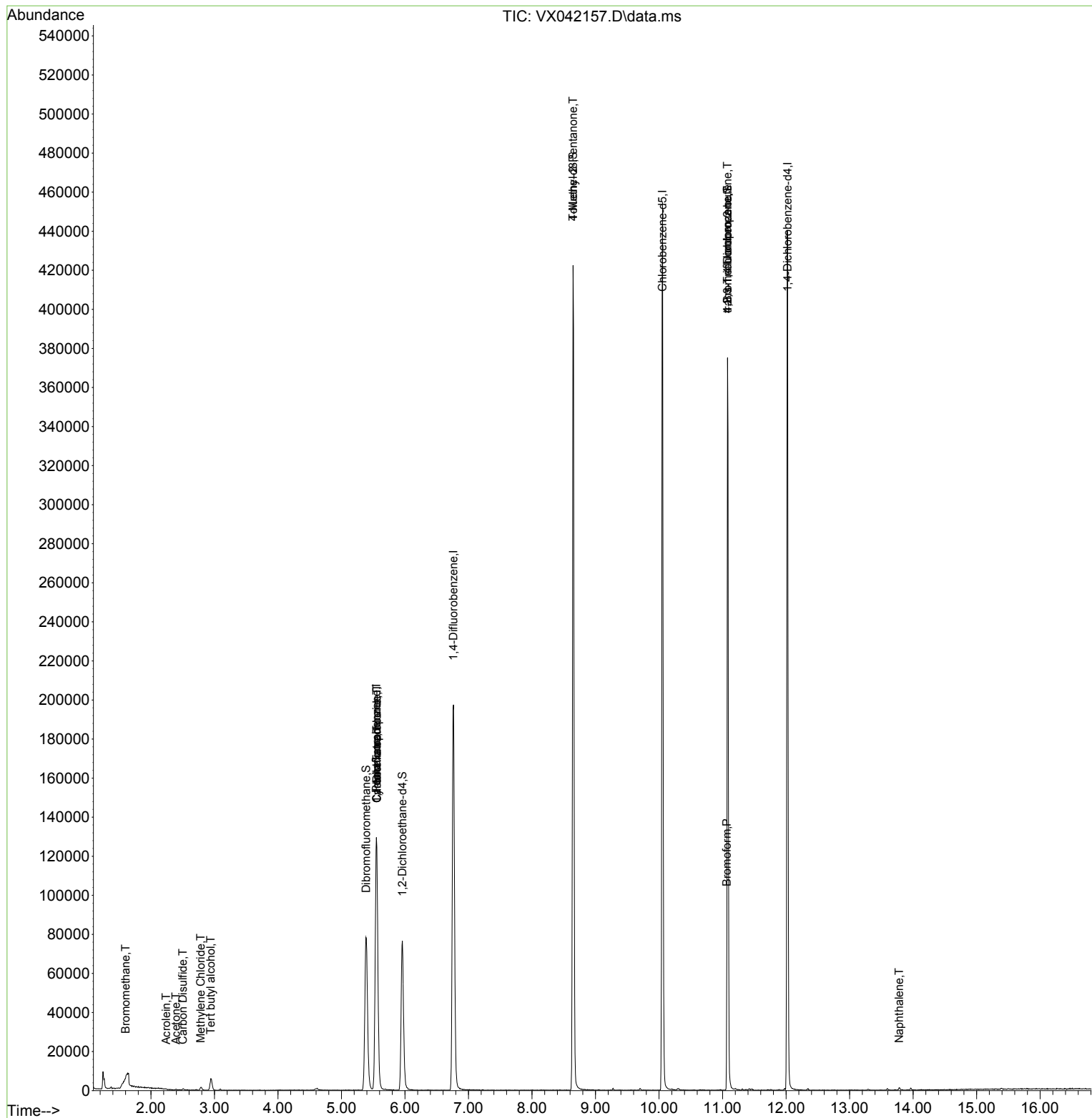
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 145272   | 50.000    | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 226128   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 225337   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 108493   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 73819    | 44.067    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 88.140%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 70990    | 44.244    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 88.480%  |
| 50) Toluene-d8                | 8.647  | 98    | 264794   | 46.977    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 93.960%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 98982    | 47.637    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 95.280%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.599  | 94    | 495      | 0.720     | ug/l   | 82       |
| 6) Chloroethane               | 1.685  | 64    | 118      | Below Cal | #      | 43       |
| 11) Tert butyl alcohol        | 2.940  | 59    | 3715     | 11.685    | ug/l   | # 78     |
| 13) Acrolein                  | 2.239  | 56    | 192      | 0.539     | ug/l   | # 68     |
| 16) Acetone                   | 2.392  | 43    | 457      | 0.621     | ug/l   | 100      |
| 17) Carbon Disulfide          | 2.501  | 76    | 869      | 0.340     | ug/l   | # 76     |
| 20) Methylene Chloride        | 2.782  | 84    | 994      | 0.617     | ug/l   | # 67     |
| 31) Cyclohexane               | 5.556  | 56    | 2062     | 1.053     | ug/l   | # 1      |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 8089     | 4.748     | ug/l   | # 52     |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 12280    | 6.523     | ug/l   | # 15     |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 960      | 0.409     | ug/l   | # 1      |
| 71) Bromoform                 | 11.067 | 173   | 80       | 0.927     | ug/l   | # 29     |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 44643    | 22.666    | ug/l   | # 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 44643    | 64.370    | ug/l   | # 5      |
| 95) Naphthalene               | 13.780 | 128   | 1725     | 0.966     | ug/l   | # 80     |
| -----                         |        |       |          |           |        |          |

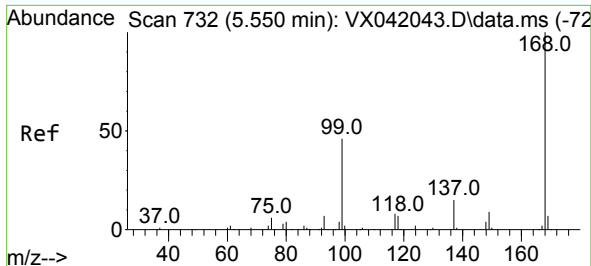
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070324\  
Data File : VX042157.D  
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Operator : JC/MD  
Sample : VX0703WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

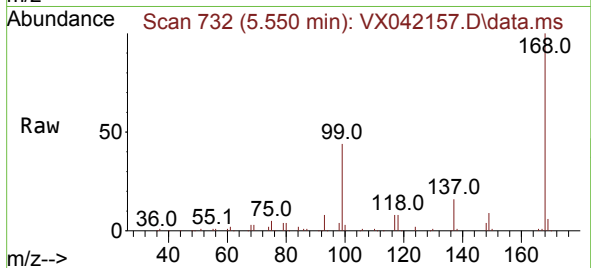
Quant Time: Jul 04 07:22:02 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 21 23:51:58 2024  
Response via : Initial Calibration



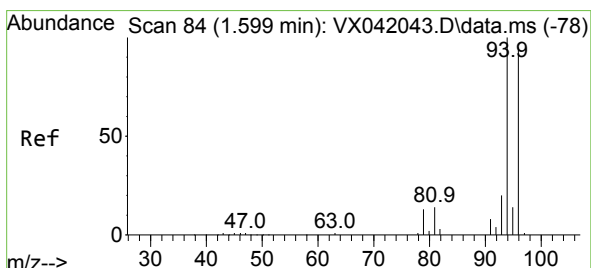
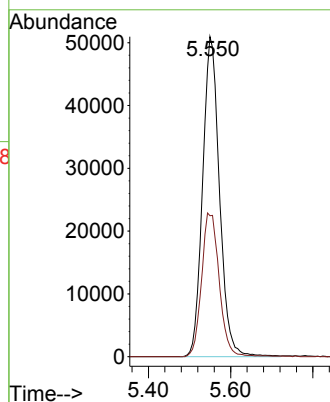
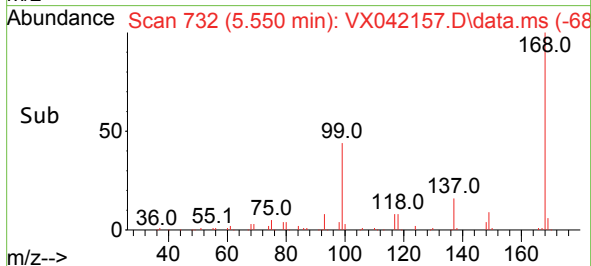


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

Instrument :  
MSVOA\_X  
ClientSampleId :

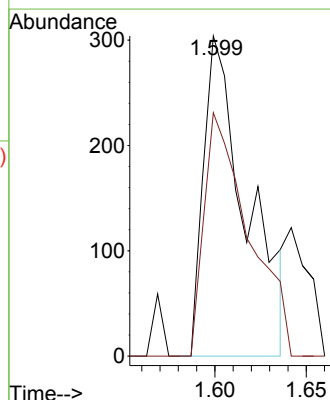
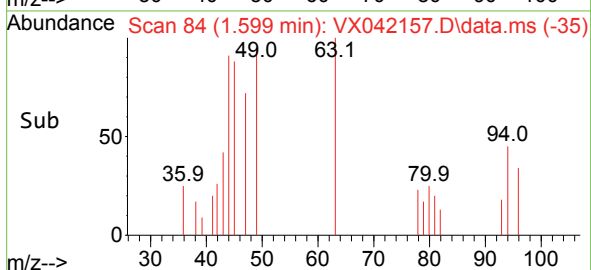
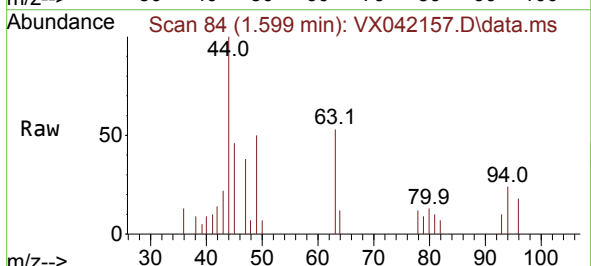


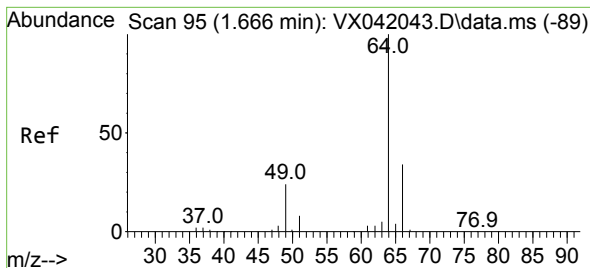
Tgt Ion:168 Resp: 145272  
Ion Ratio Lower Upper  
168 100  
99 44.1 56.6 85.0#



#5  
Bromomethane  
Concen: 0.720 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

Tgt Ion: 94 Resp: 495  
Ion Ratio Lower Upper  
94 100  
96 76.0 74.6 111.8





#6

Chloroethane

Concen: Below Cal

RT: 1.685 min Scan# 91

Delta R.T. 0.025 min

Lab File: VX042157.D

Acq: 03 Jul 2024 12:26

Instrument :

MSVOA\_X

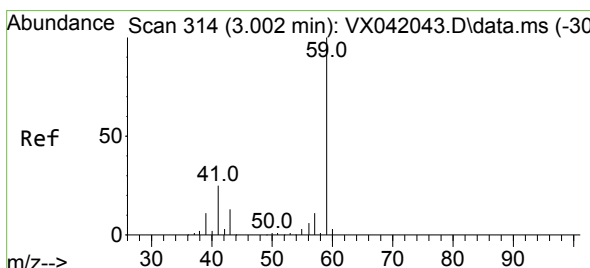
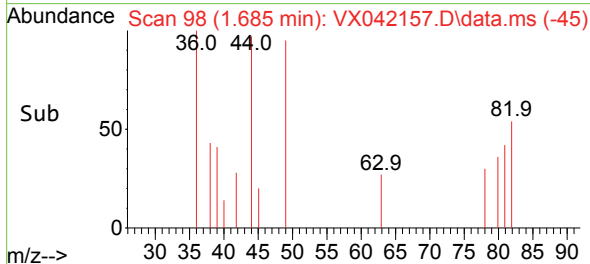
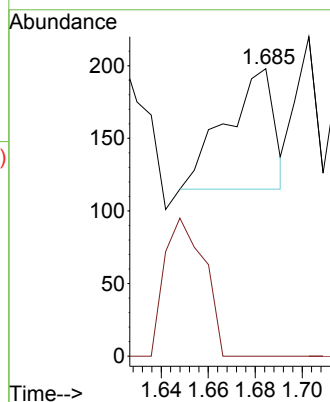
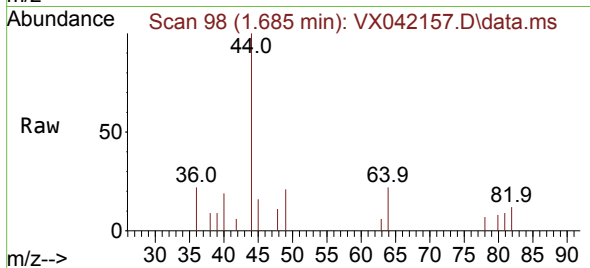
ClientSampleId :

Tgt Ion: 64 Resp: 118

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 11.685 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.067 min

Lab File: VX042157.D

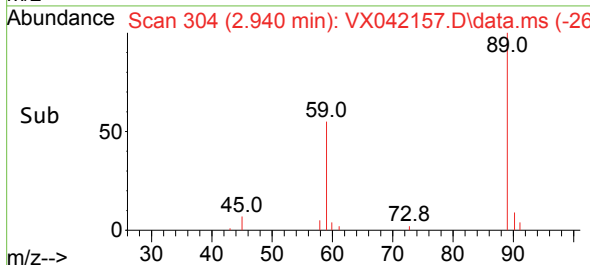
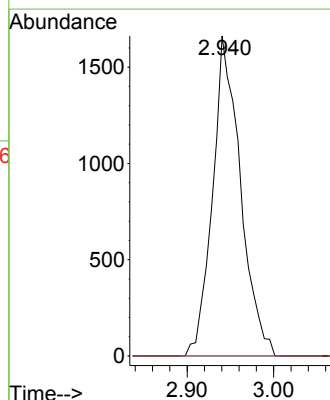
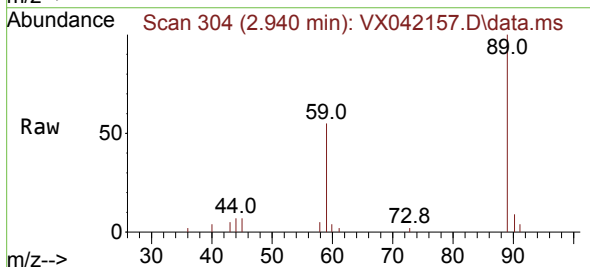
Acq: 03 Jul 2024 12:26

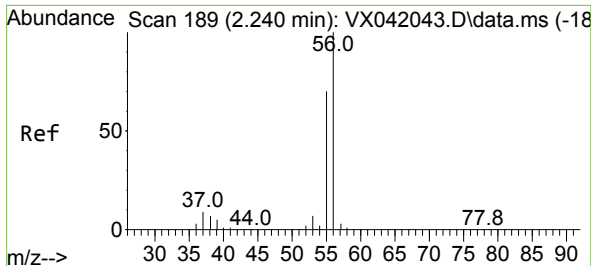
Tgt Ion: 59 Resp: 3715

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

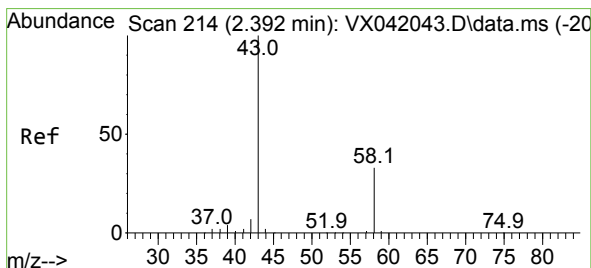
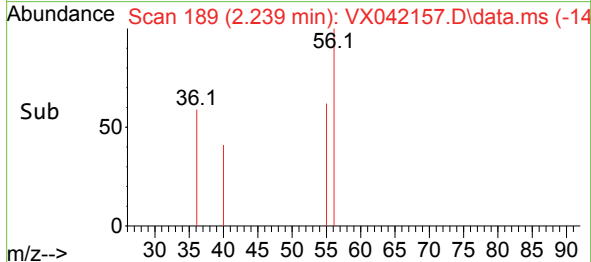
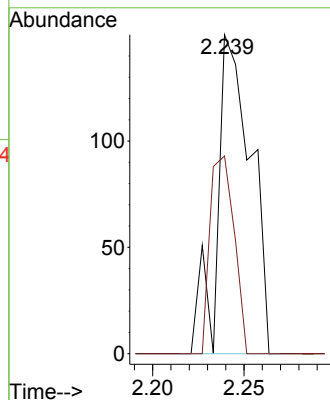
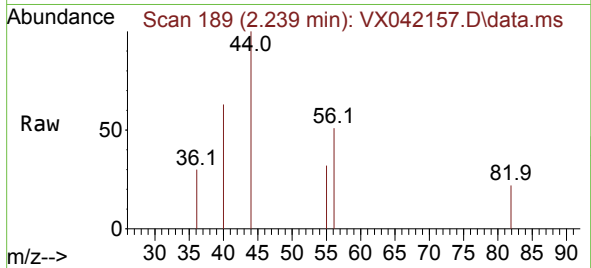




#13  
Acrolein  
Concen: 0.539 ug/l  
RT: 2.239 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

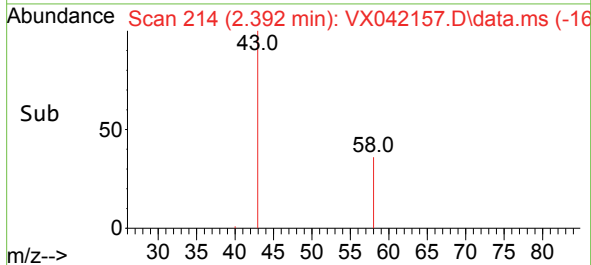
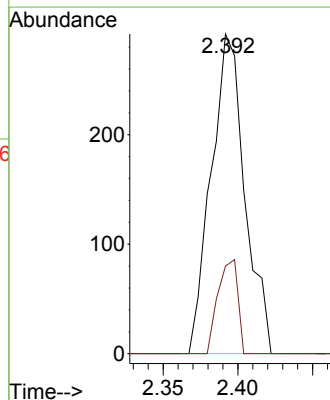
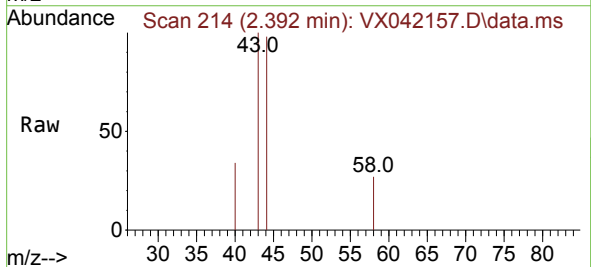
Instrument :  
MSVOA\_X  
ClientSampleId :

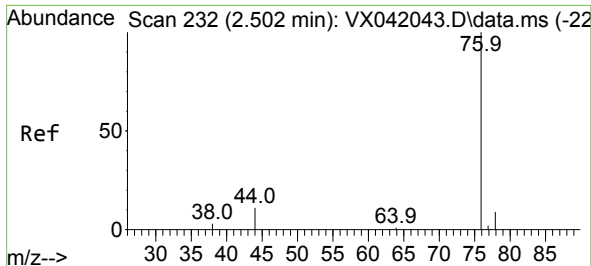
Tgt Ion: 56 Resp: 192  
Ion Ratio Lower Upper  
56 100  
55 44.8 57.1 85.7#



#16  
Acetone  
Concen: 0.621 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

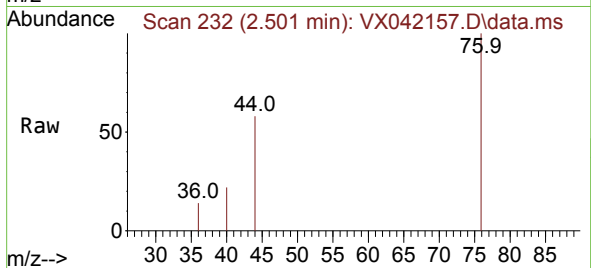
Tgt Ion: 43 Resp: 457  
Ion Ratio Lower Upper  
43 100  
58 27.4 21.9 32.9



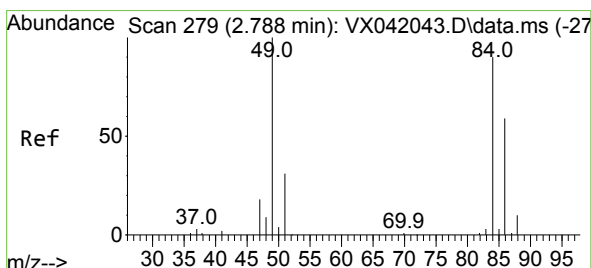
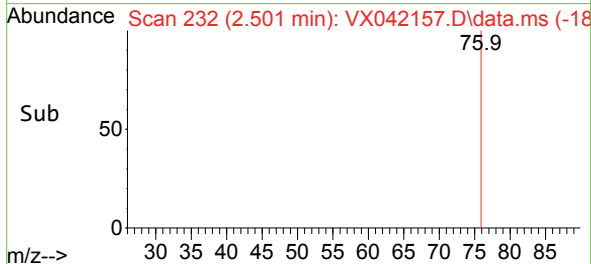
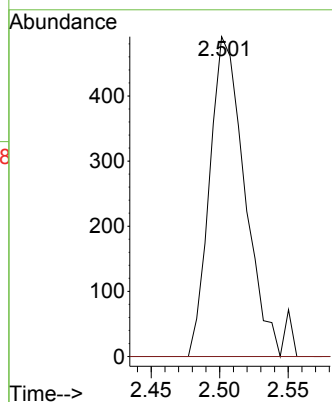


#17  
Carbon Disulfide  
Concen: 0.340 ug/l  
RT: 2.501 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

Instrument :  
MSVOA\_X  
ClientSampleId :

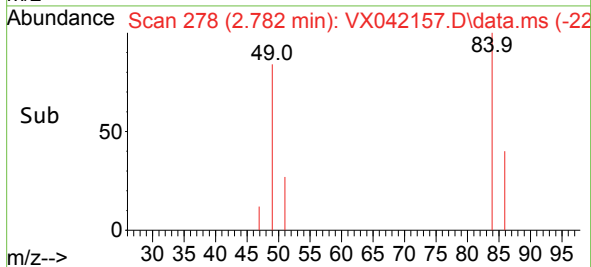
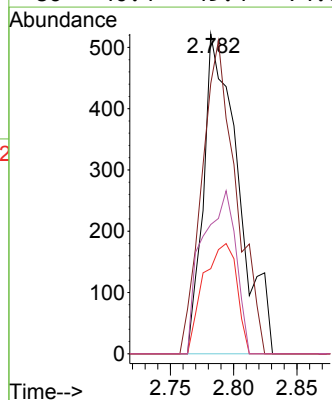
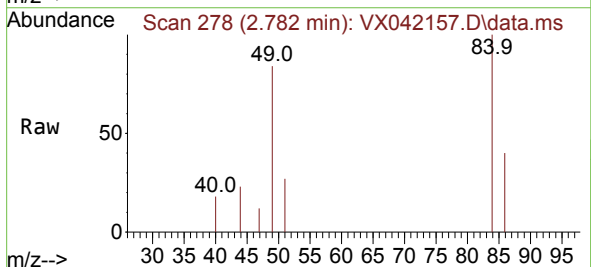


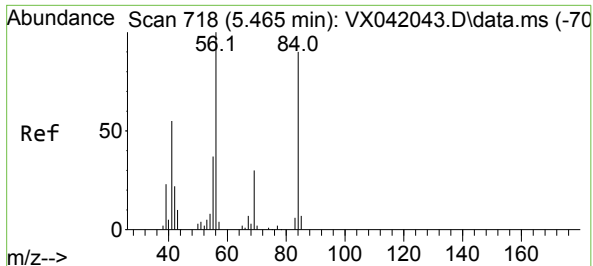
Tgt Ion: 76 Resp: 869  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.6#



#20  
Methylene Chloride  
Concen: 0.617 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. 0.000 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

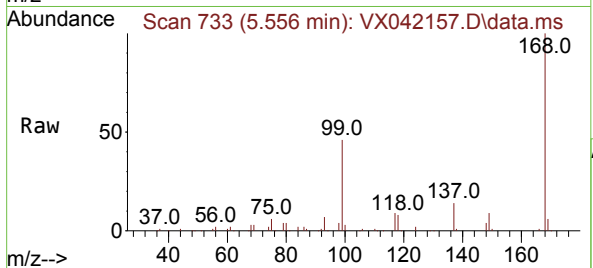
Tgt Ion: 84 Resp: 994  
Ion Ratio Lower Upper  
84 100  
49 84.5 103.6 155.4#  
51 26.6 33.8 50.6#  
86 40.4 49.4 74.0#



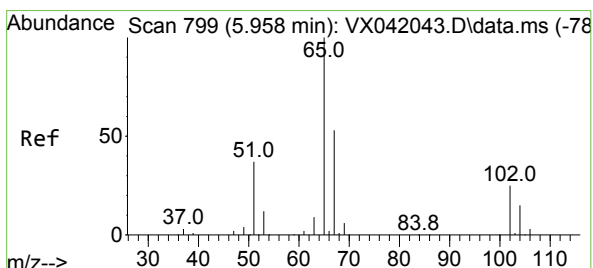
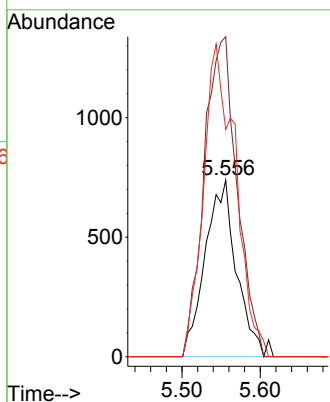
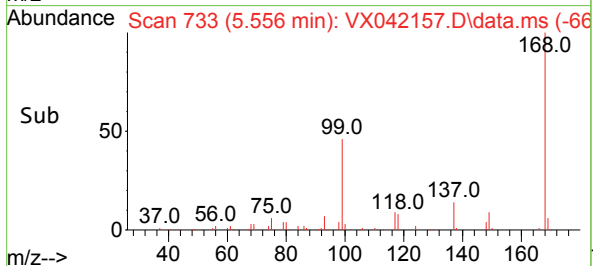


#31  
Cyclohexane  
Concen: 1.053 ug/l  
RT: 5.556 min Scan# 718  
Delta R.T. 0.091 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

Instrument :  
MSVOA\_X  
ClientSampleId :

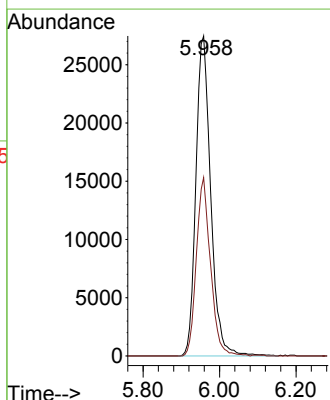
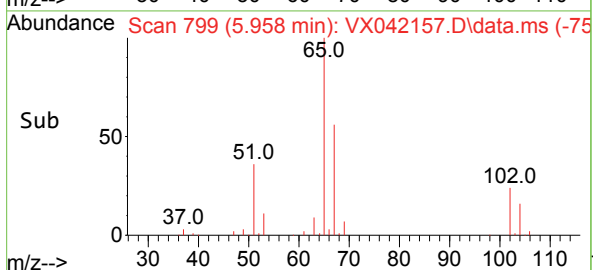
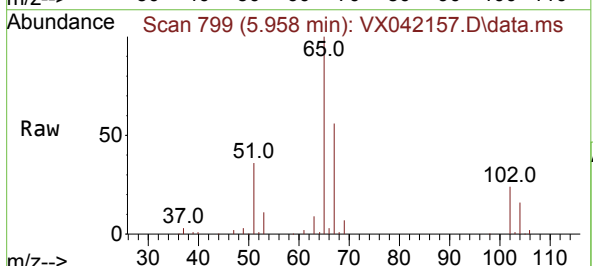


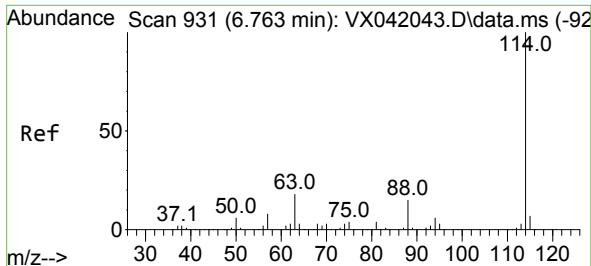
Tgt Ion: 56 Resp: 2062  
Ion Ratio Lower Upper  
56 100  
69 181.2 23.4 35.2#  
84 128.7 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 44.067 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

Tgt Ion: 65 Resp: 73819  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 100.2

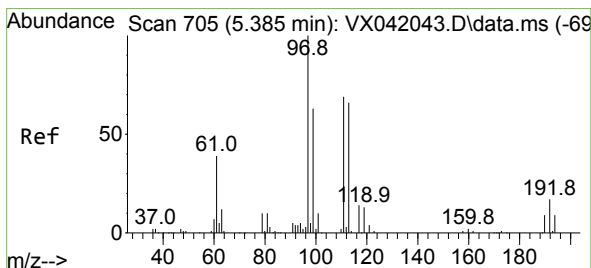
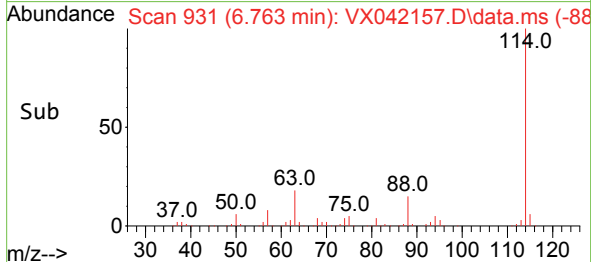
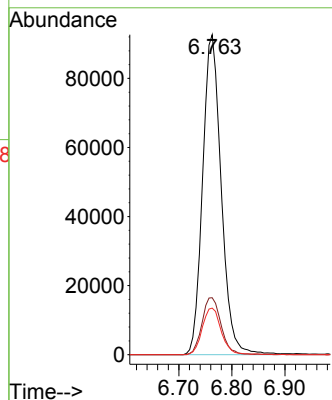
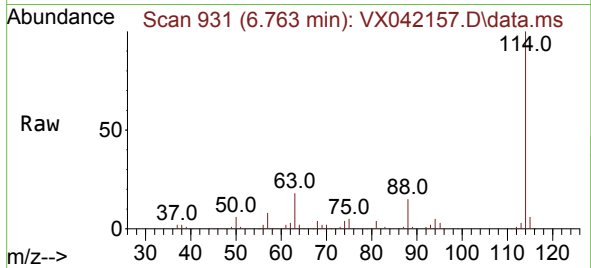




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

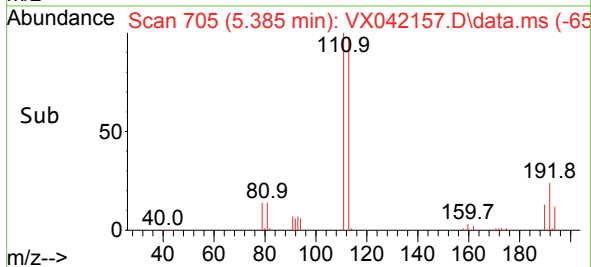
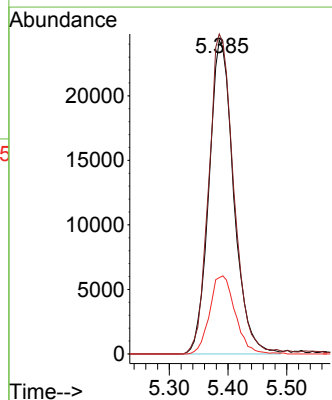
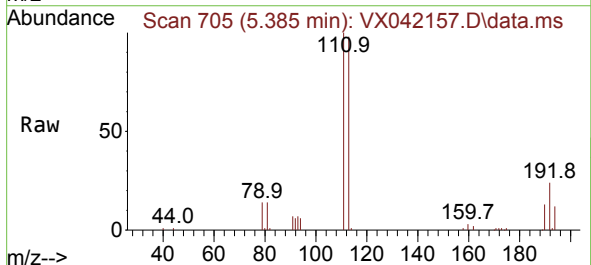
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion:114 Resp: 226128  
Ion Ratio Lower Upper  
114 100  
63 17.8 0.0 45.0  
88 14.6 0.0 36.6

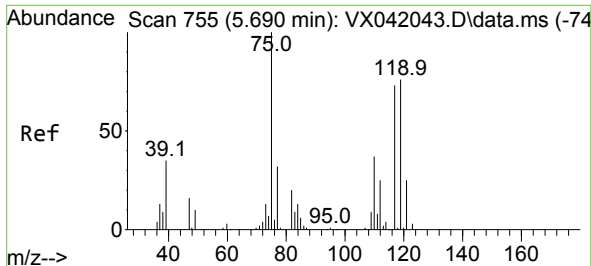


#35  
Dibromofluoromethane  
Concen: 44.244 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

Tgt Ion:113 Resp: 70990  
Ion Ratio Lower Upper  
113 100  
111 103.8 82.9 124.3  
192 25.8 13.3 19.9#



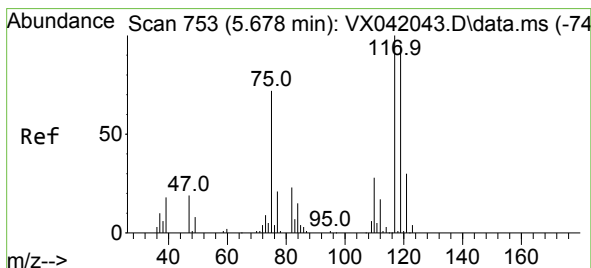
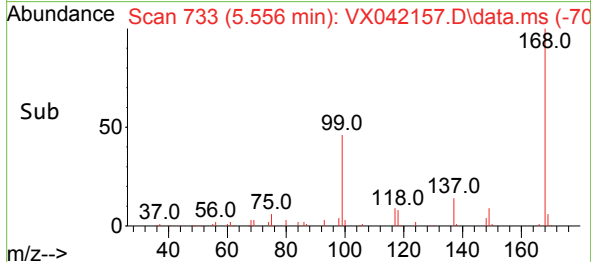
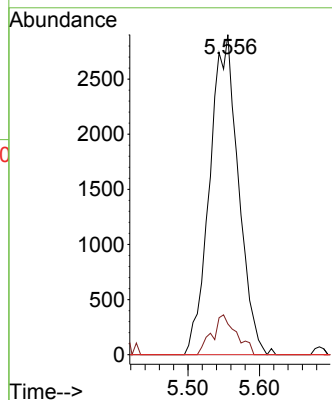
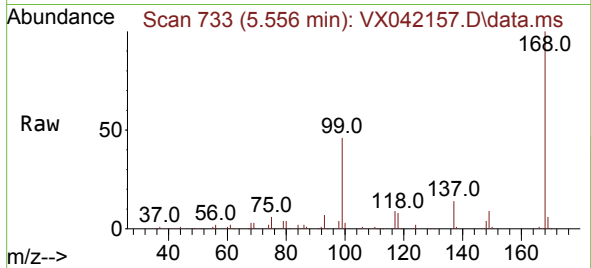




#36  
1,1-Dichloropropene  
Concen: 4.748 ug/l  
RT: 5.556 min Scan# 713  
Delta R.T. -0.134 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

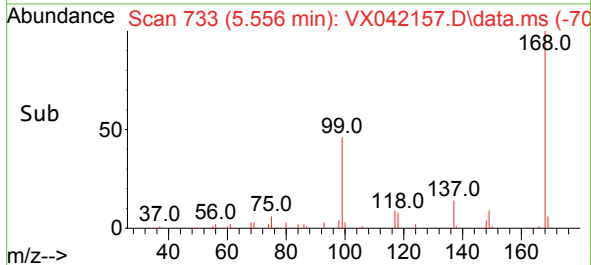
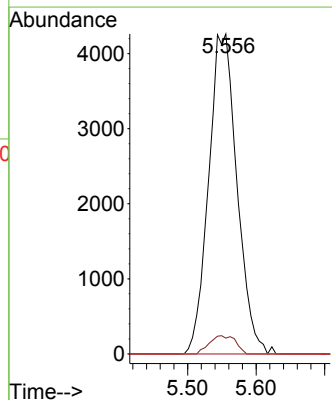
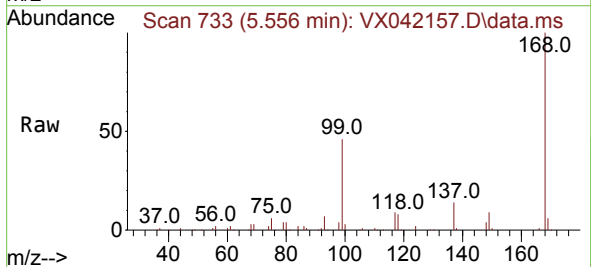
Instrument :  
MSVOA\_X  
ClientSampleId :

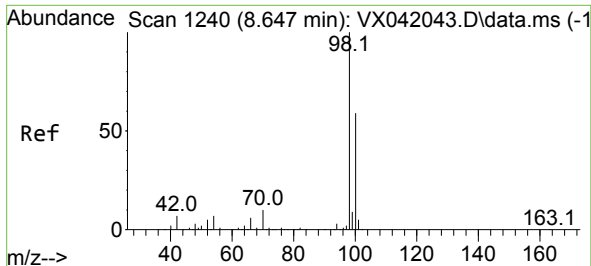
Tgt Ion: 75 Resp: 8089  
Ion Ratio Lower Upper  
75 100  
110 10.5 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.523 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.122 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

Tgt Ion: 117 Resp: 12280  
Ion Ratio Lower Upper  
117 100  
119 4.9 78.2 117.2#  
121 0.0 24.4 36.6#

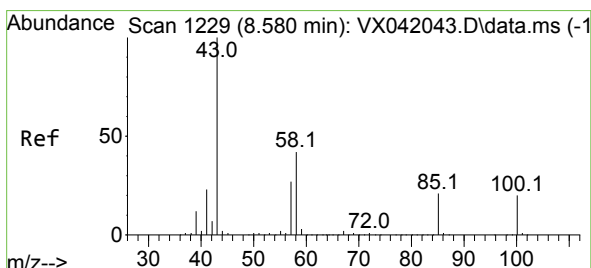
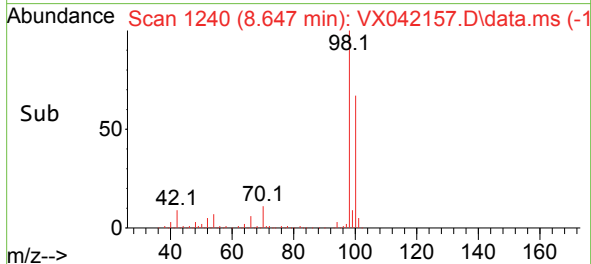
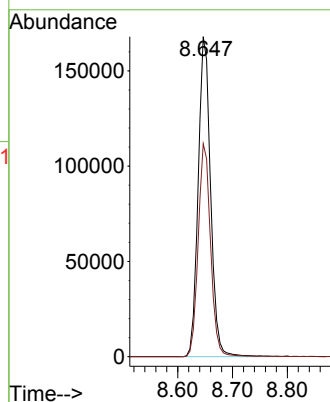
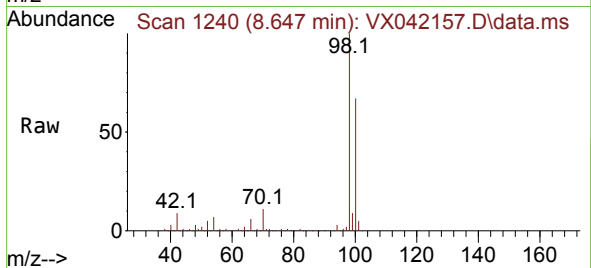




#50  
Toluene-d8  
Concen: 46.977 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

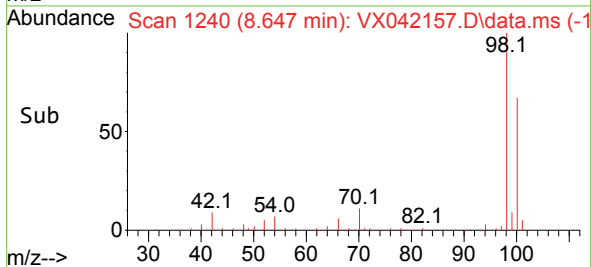
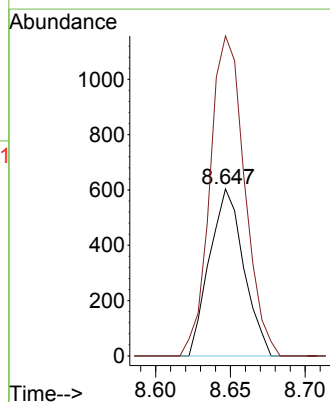
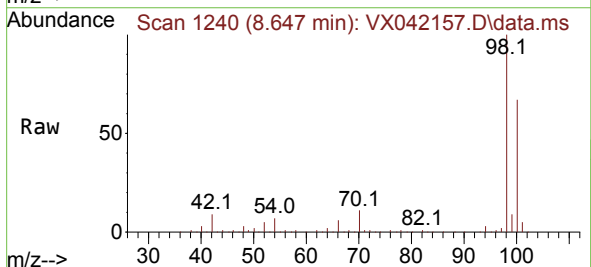
Instrument :  
MSVOA\_X  
ClientSampleId :

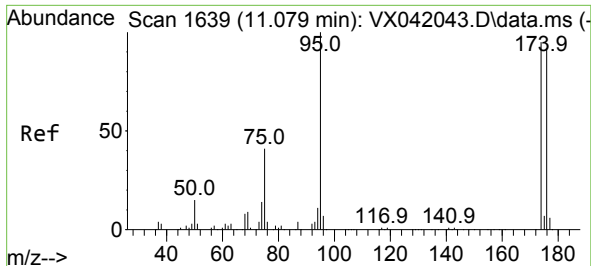
Tgt Ion: 98 Resp: 264794  
Ion Ratio Lower Upper  
98 100  
100 66.3 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.409 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.067 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

Tgt Ion: 43 Resp: 960  
Ion Ratio Lower Upper  
43 100  
58 194.3 30.4 45.6#

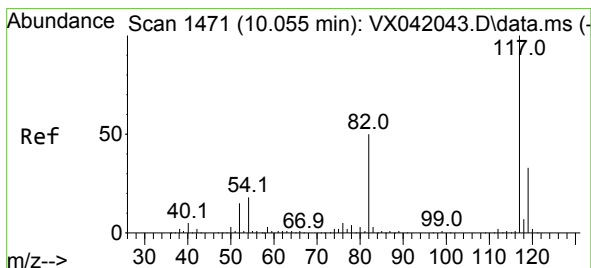
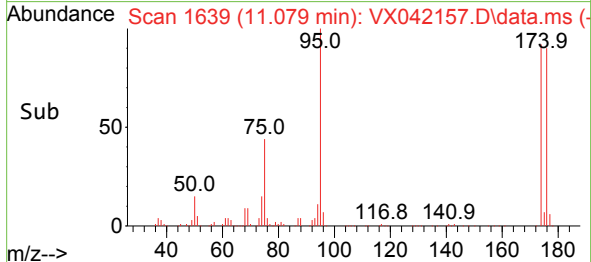
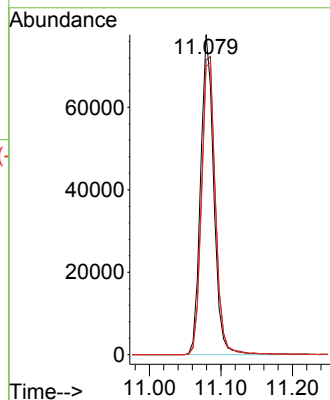
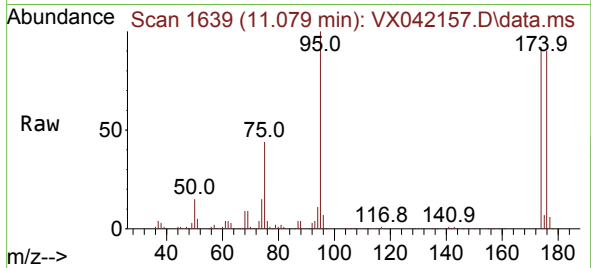




#62  
4-Bromofluorobenzene  
Concen: 47.637 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

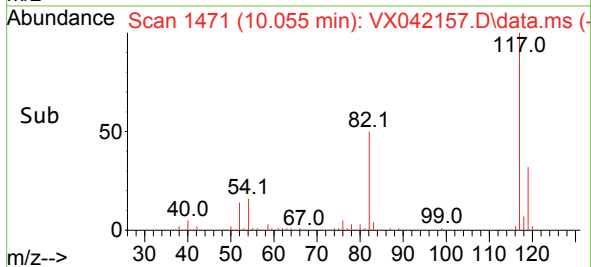
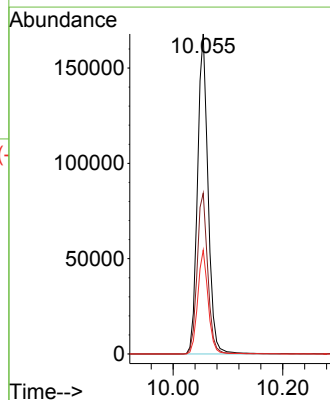
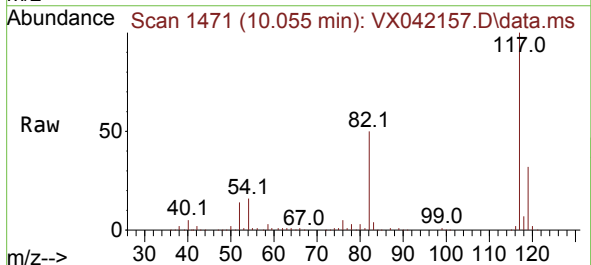
Instrument :  
MSVOA\_X  
ClientSampleId :

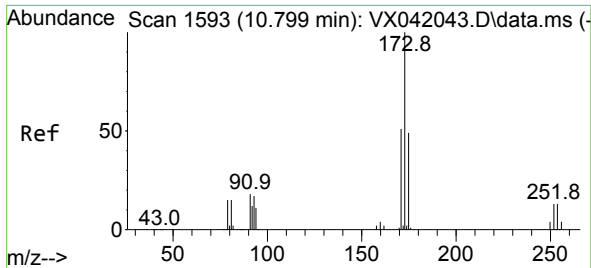
Tgt Ion: 95 Resp: 98982  
Ion Ratio Lower Upper  
95 100  
174 98.9 0.0 135.6  
176 96.5 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

Tgt Ion: 117 Resp: 225337  
Ion Ratio Lower Upper  
117 100  
82 50.2 46.2 69.4  
119 32.5 25.5 38.3

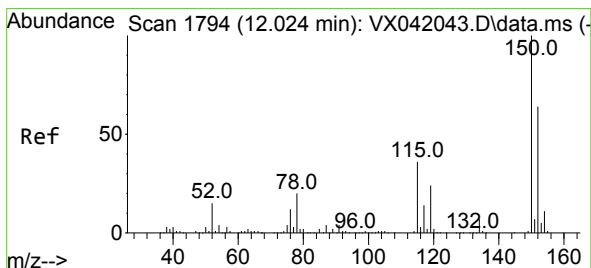
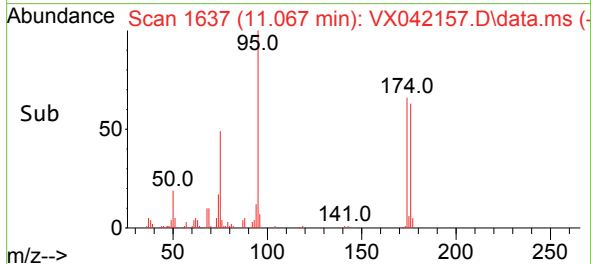
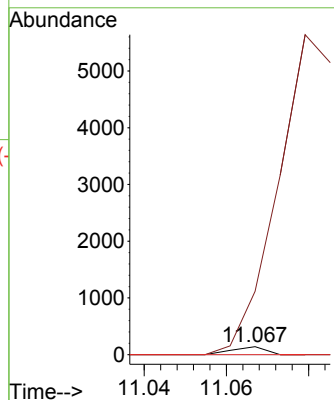
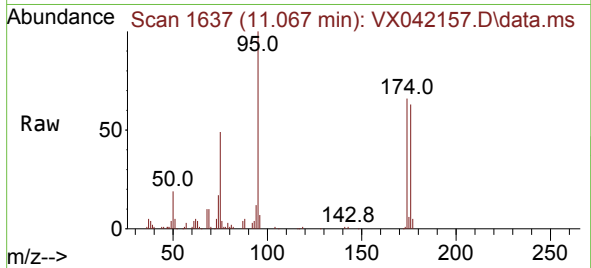




#71  
Bromoform  
Concen: 0.927 ug/l  
RT: 11.067 min Scan# 11  
Delta R.T. 0.268 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

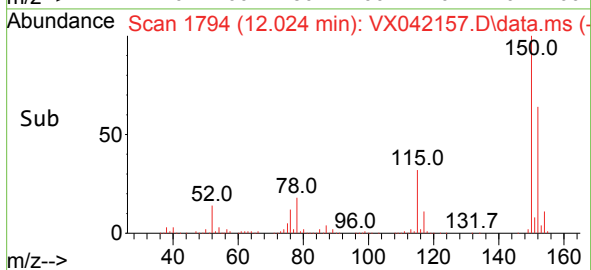
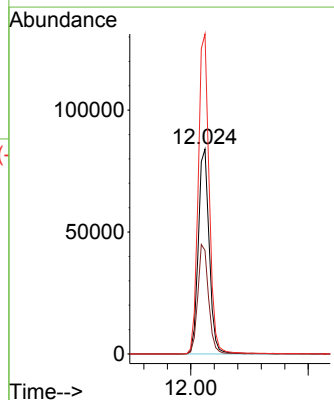
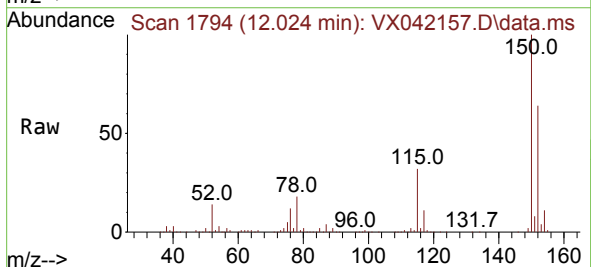
Instrument :  
MSVOA\_X  
ClientSampleId :

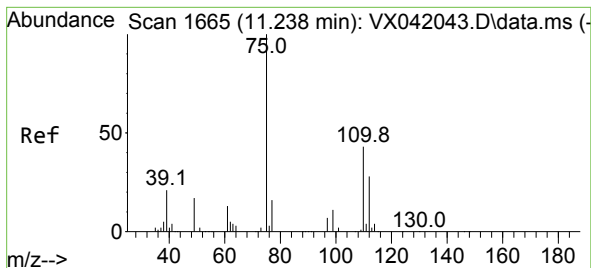
Tgt Ion:173 Resp: 80  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.1 72.4#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

Tgt Ion:152 Resp: 108493  
Ion Ratio Lower Upper  
152 100  
115 52.6 43.3 129.9  
150 156.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.666 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042157.D

Acq: 03 Jul 2024 12:26

Instrument :

MSVOA\_X

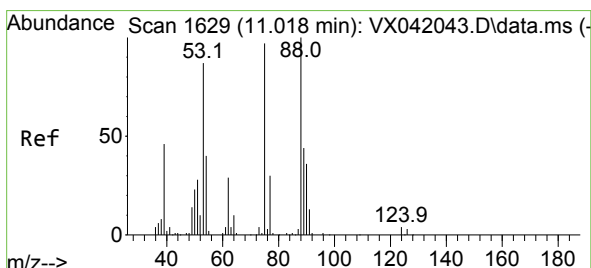
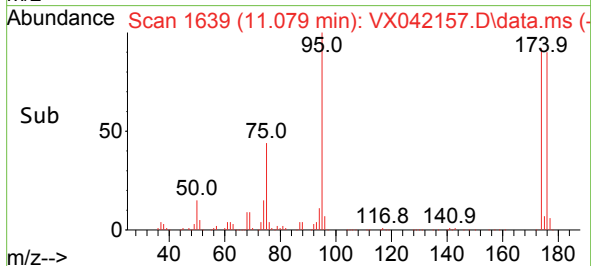
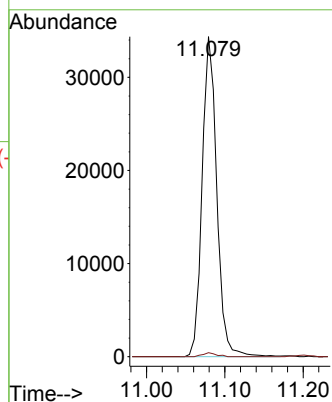
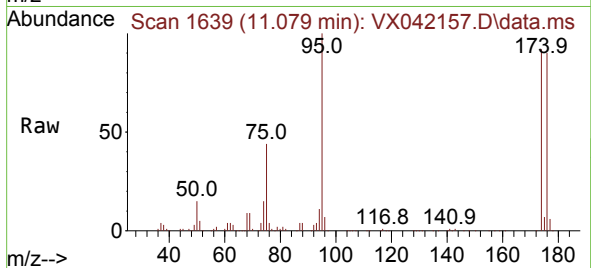
ClientSampleId :

Tgt Ion: 75 Resp: 44643

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.370 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042157.D

Acq: 03 Jul 2024 12:26

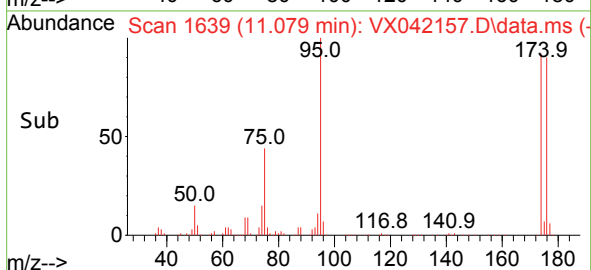
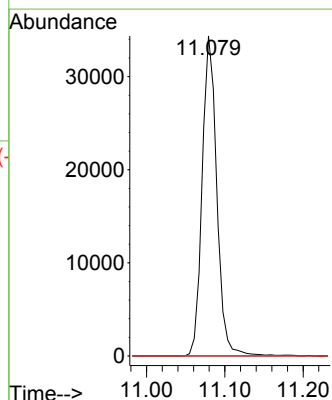
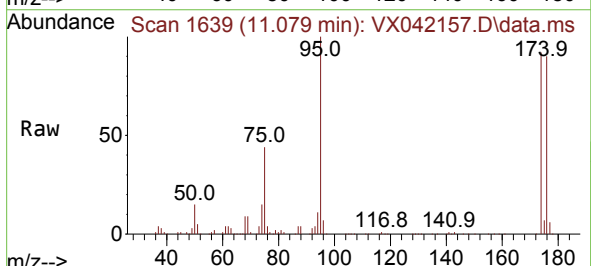
Tgt Ion: 75 Resp: 44643

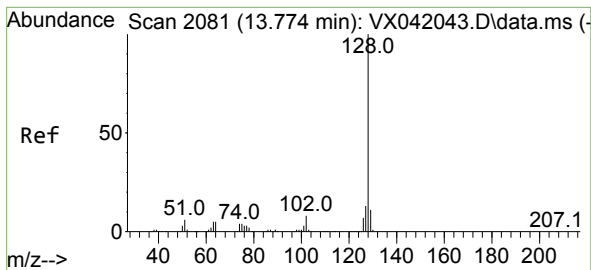
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

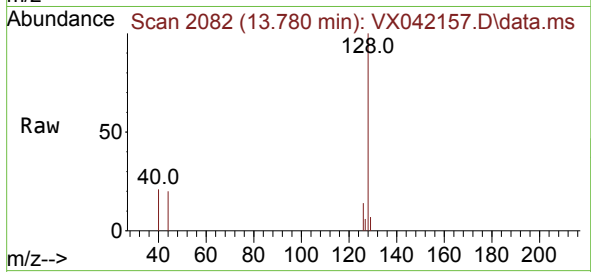
89 0.0 36.9 55.3#





#95  
Naphthalene  
Concen: 0.966 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX042157.D  
Acq: 03 Jul 2024 12:26

Instrument :  
MSVOA\_X  
ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 1725  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 5.7   | 10.3  | 15.5# |
| 129      | 2.6   | 8.8   | 13.2# |

