

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041624\  
 Data File : VX041111.D  
 Acq On : 16 Apr 2024 17:38  
 Operator : JC/MD  
 Sample : P2113-03 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 402

Quant Time: Apr 17 02:13:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041624W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 02:04:44 2024  
 Response via : Initial Calibration

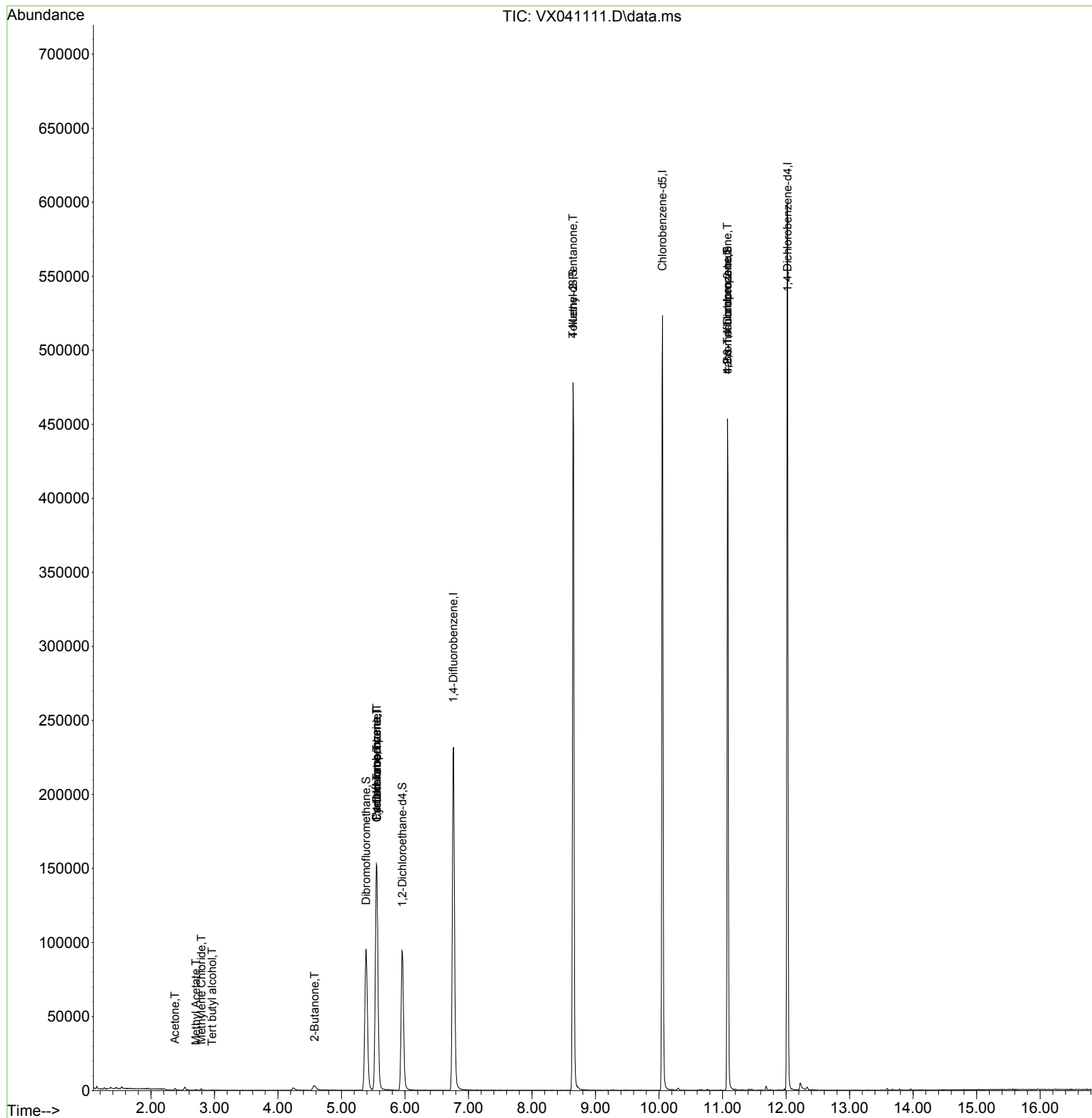
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.550     | 168   | 164976   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763     | 114   | 250457   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 249310   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 140018   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958     | 65    | 94658    | 53.144   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery | = 106.280% |          |
| 35) Dibromofluoromethane      | 5.385     | 113   | 81849    | 48.921   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 97.840%  |          |
| 50) Toluene-d8                | 8.647     | 98    | 294824   | 50.308   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery | = 100.620% |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 112866   | 50.734   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery | = 101.460% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 2.965     | 59    | 173      | 0.496    | ug/l       | # 78     |
| 16) Acetone                   | 2.380     | 43    | 1239     | 1.655    | ug/l       | 97       |
| 18) Methyl Acetate            | 2.709     | 43    | 522      | 0.279    | ug/l       | # 85     |
| 20) Methylene Chloride        | 2.794     | 84    | 467      | 0.292    | ug/l       | 92       |
| 25) 2-Butanone                | 4.574     | 43    | 262      | 0.223    | ug/l       | # 51     |
| 31) Cyclohexane               | 5.556     | 56    | 2761     | 1.251    | ug/l       | # 3      |
| 36) 1,1-Dichloropropene       | 5.556     | 75    | 10563    | 4.987    | ug/l       | # 50     |
| 38) Carbon Tetrachloride      | 5.556     | 117   | 14582    | 5.937    | ug/l       | # 15     |
| 51) 4-Methyl-2-Pentanone      | 8.647     | 43    | 1239     | 0.486    | ug/l       | # 1      |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 56525    | 24.772   | ug/l       | # 38     |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 56525    | 63.333   | ug/l       | # 5      |
| -----                         |           |       |          |          |            |          |

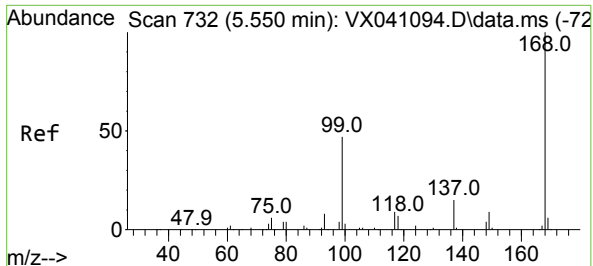
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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Quant Time: Apr 17 02:13:34 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041624W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 17 02:04:44 2024  
Response via : Initial Calibration

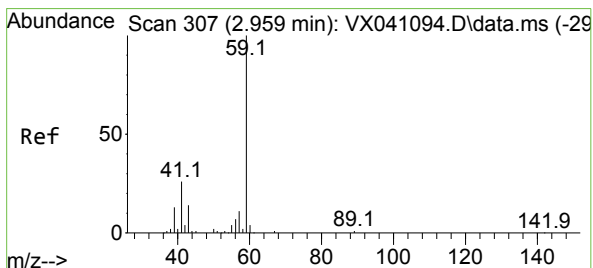
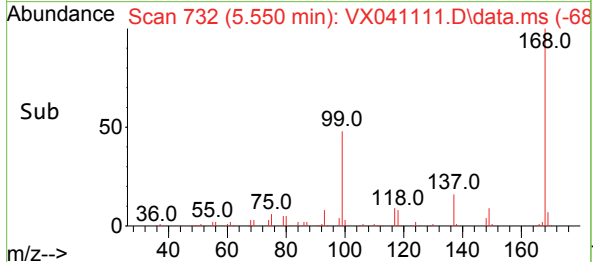
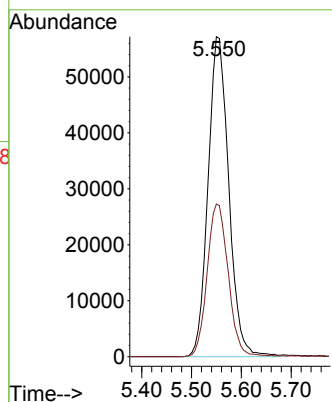
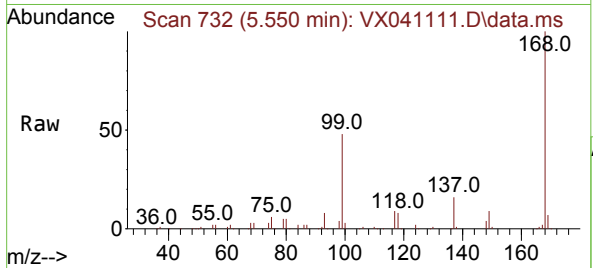




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX041111.D  
Acq: 16 Apr 2024 17:38

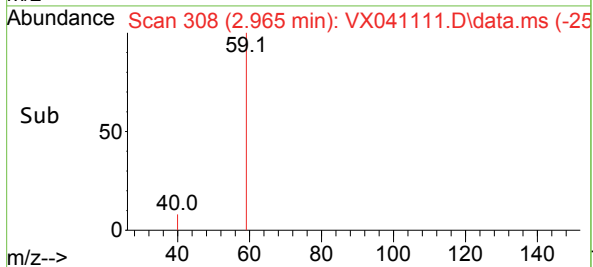
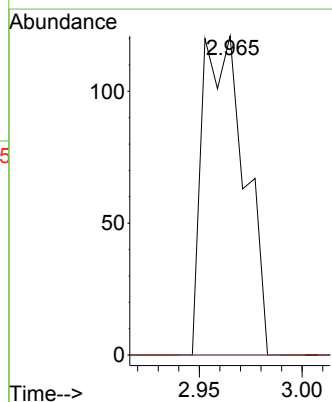
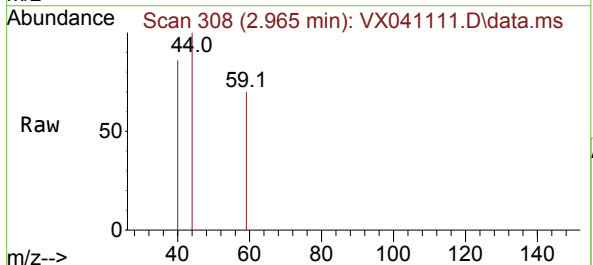
Instrument :  
MSVOA\_X  
ClientSampleId :  
402

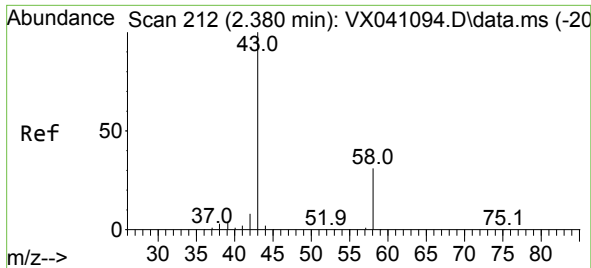
Tgt Ion:168 Resp: 164976  
Ion Ratio Lower Upper  
168 100  
99 47.7 56.6 85.0#



#11  
Tert butyl alcohol  
Concen: 0.496 ug/l  
RT: 2.965 min Scan# 308  
Delta R.T. 0.006 min  
Lab File: VX041111.D  
Acq: 16 Apr 2024 17:38

Tgt Ion: 59 Resp: 173  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#

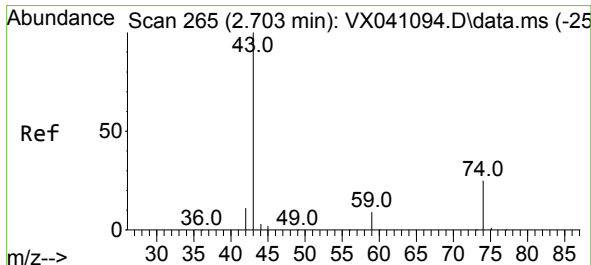
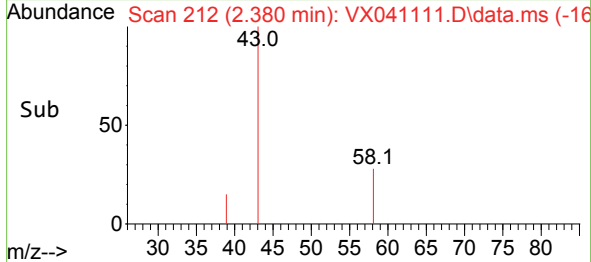
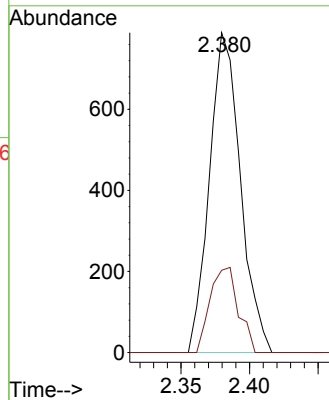
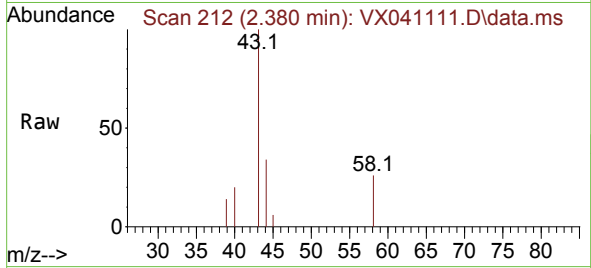




#16  
Acetone  
Concen: 1.655 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VX041111.D  
Acq: 16 Apr 2024 17:38

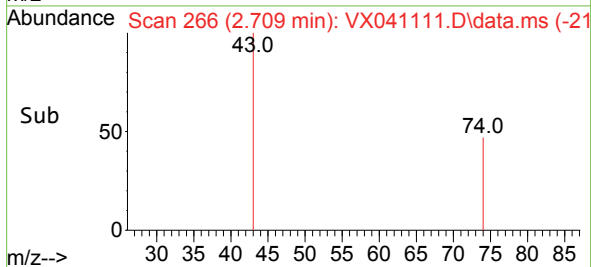
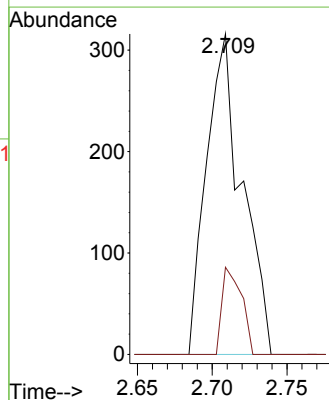
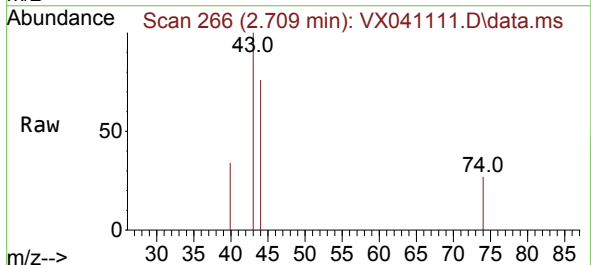
Instrument :  
MSVOA\_X  
ClientSampleId :  
402

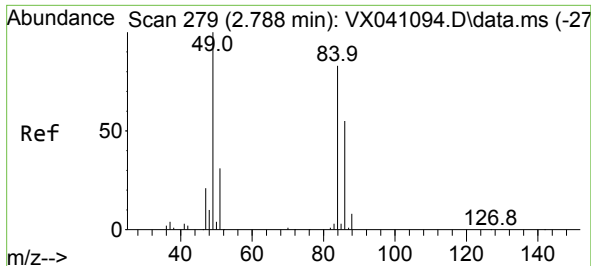
Tgt Ion: 43 Resp: 1239  
Ion Ratio Lower Upper  
43 100  
58 25.7 21.9 32.9



#18  
Methyl Acetate  
Concen: 0.279 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.006 min  
Lab File: VX041111.D  
Acq: 16 Apr 2024 17:38

Tgt Ion: 43 Resp: 522  
Ion Ratio Lower Upper  
43 100  
74 14.9 17.8 26.8#

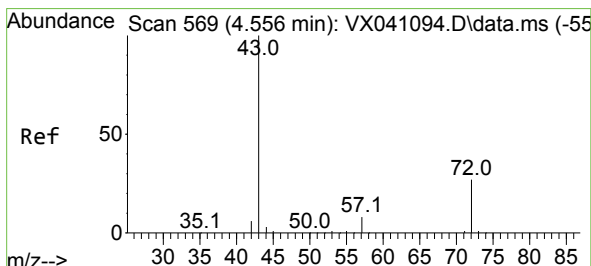
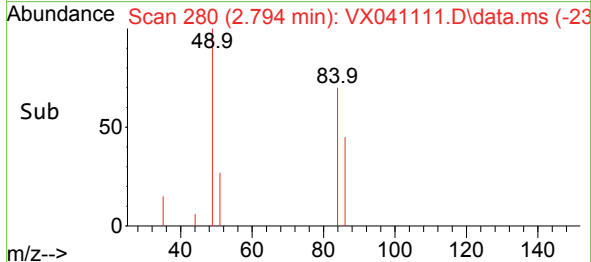
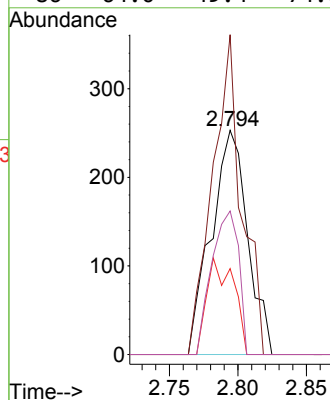
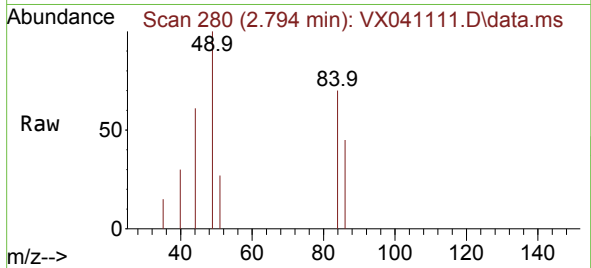




#20  
Methylene Chloride  
Concen: 0.292 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX041111.D  
Acq: 16 Apr 2024 17:38

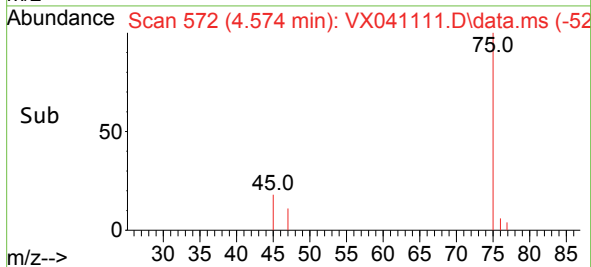
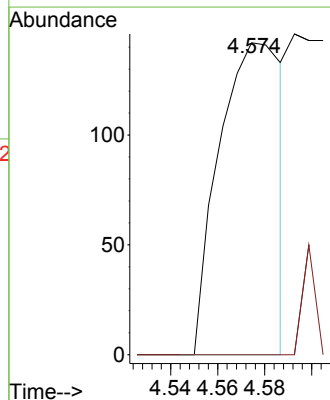
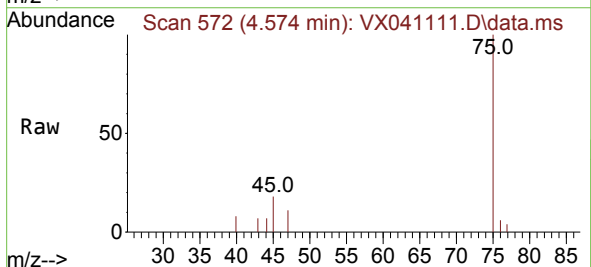
Instrument :  
MSVOA\_X  
ClientSampleId :  
402

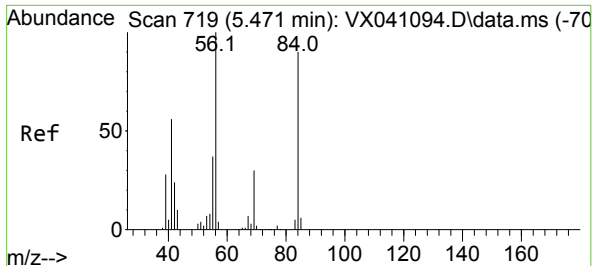
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 467   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 142.7 | 103.6 | 155.4 |
| 51       | 38.3  | 33.8  | 50.6  |
| 86       | 64.0  | 49.4  | 74.0  |



#25  
2-Butanone  
Concen: 0.223 ug/l  
RT: 4.574 min Scan# 572  
Delta R.T. 0.018 min  
Lab File: VX041111.D  
Acq: 16 Apr 2024 17:38

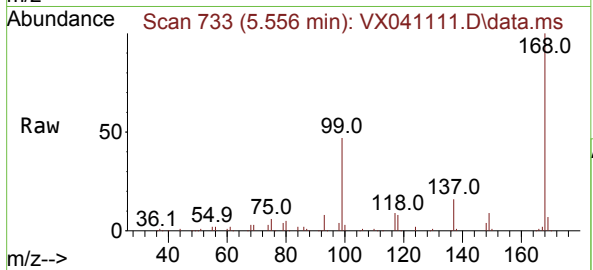
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 262   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 19.4  | 29.2# |



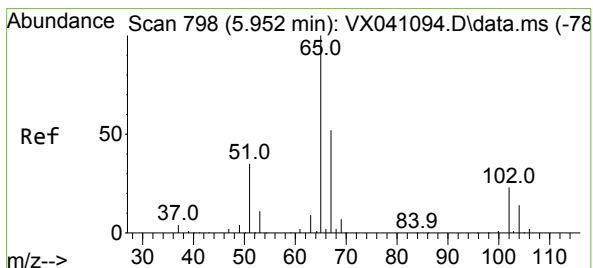
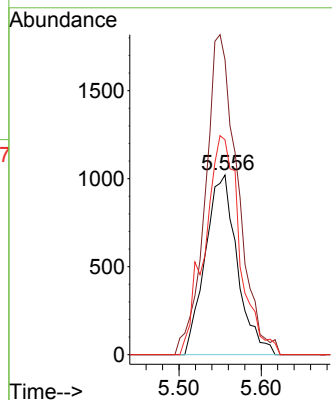
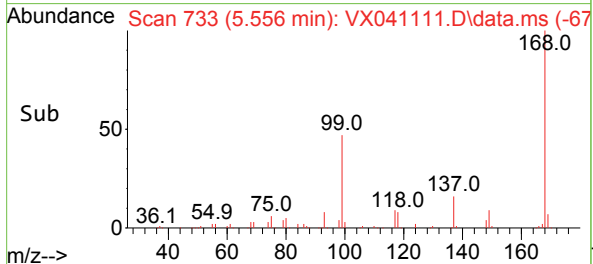


#31  
Cyclohexane  
Concen: 1.251 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.085 min  
Lab File: VX041111.D  
Acq: 16 Apr 2024 17:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
402

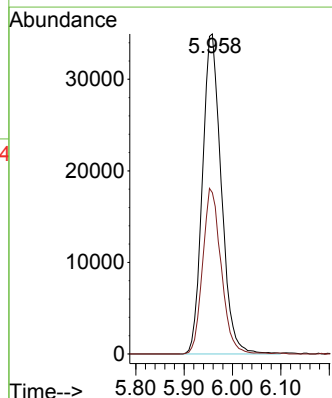
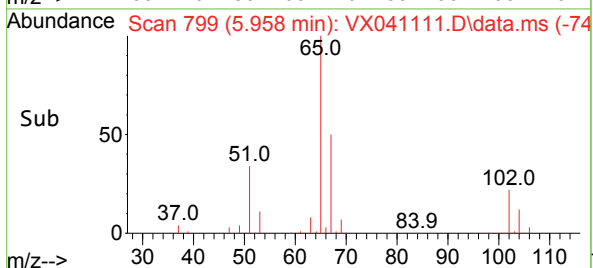
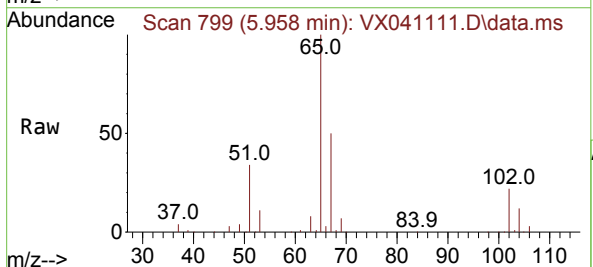


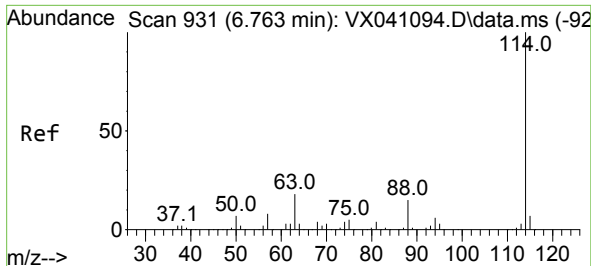
Tgt Ion: 56 Resp: 2761  
Ion Ratio Lower Upper  
56 100  
69 164.2 23.4 35.2#  
84 119.6 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 53.144 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.006 min  
Lab File: VX041111.D  
Acq: 16 Apr 2024 17:38

Tgt Ion: 65 Resp: 94658  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 100.2

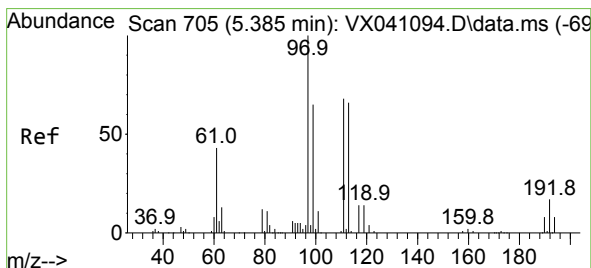
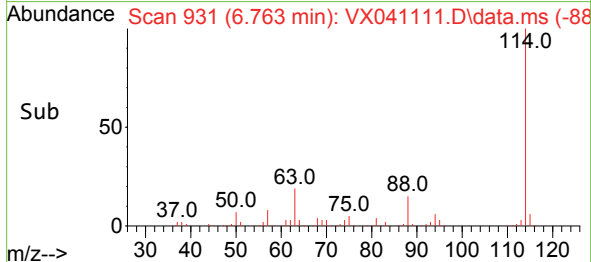
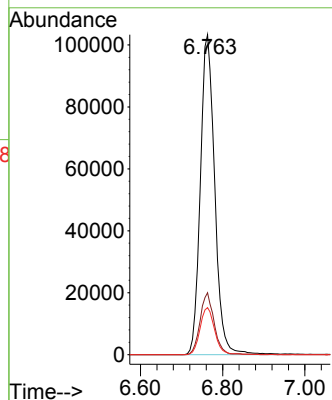
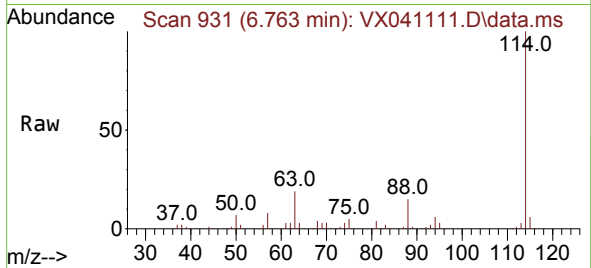




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VX041111.D  
Acq: 16 Apr 2024 17:38

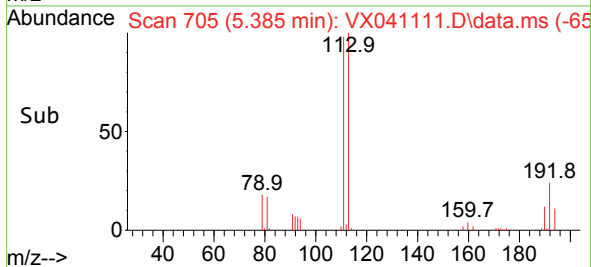
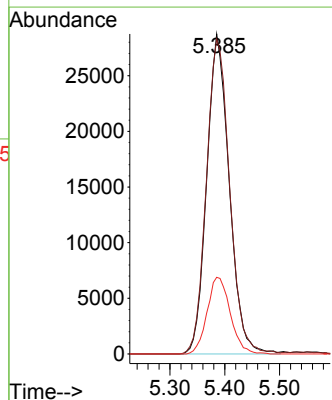
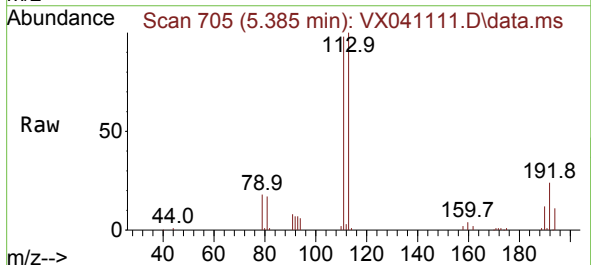
Instrument :  
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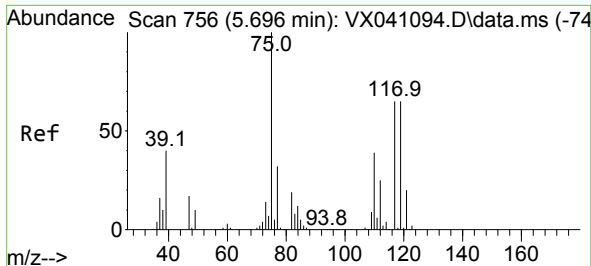
Tgt Ion:114 Resp: 250457  
Ion Ratio Lower Upper  
114 100  
63 19.3 0.0 45.0  
88 14.7 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 48.921 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX041111.D  
Acq: 16 Apr 2024 17:38

Tgt Ion:113 Resp: 81849  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.9 124.3  
192 24.7 13.3 19.9#

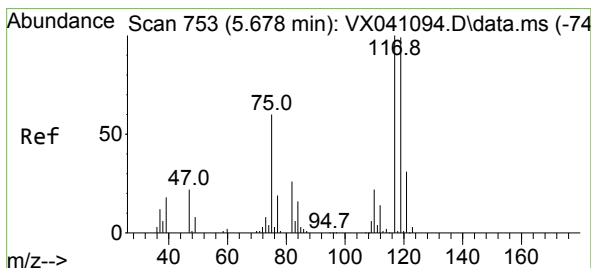
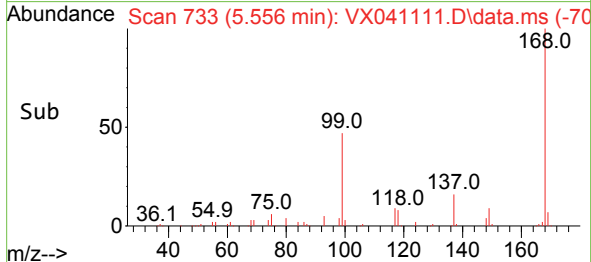
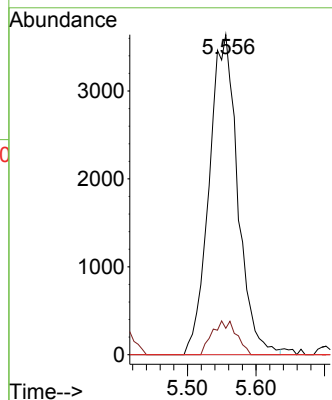
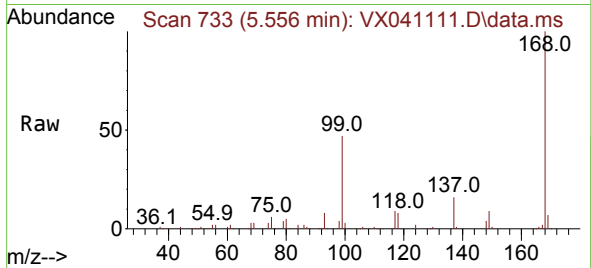




#36  
1,1-Dichloropropene  
Concen: 4.987 ug/l  
RT: 5.556 min Scan# 714  
Delta R.T. -0.140 min  
Lab File: VX041111.D  
Acq: 16 Apr 2024 17:38

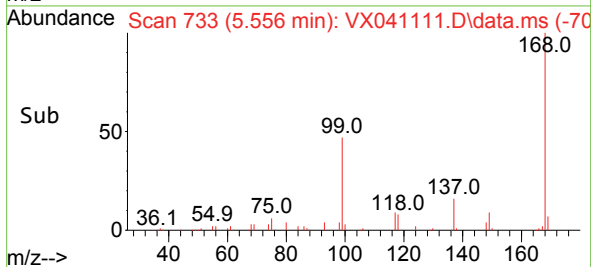
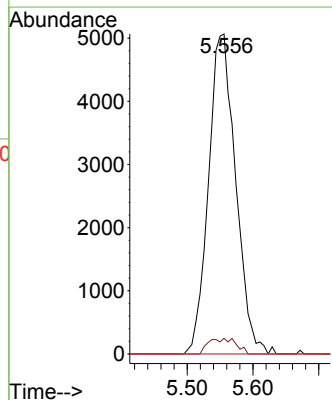
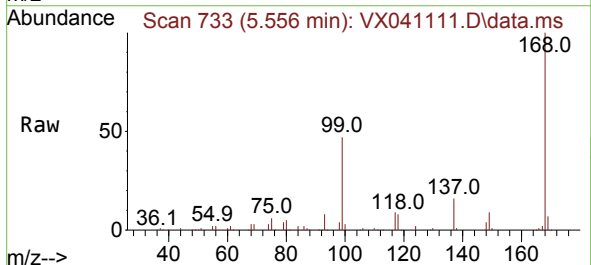
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402

Tgt Ion: 75 Resp: 10563  
Ion Ratio Lower Upper  
75 100  
110 9.0 17.0 50.9#  
77 0.0 24.7 37.1#

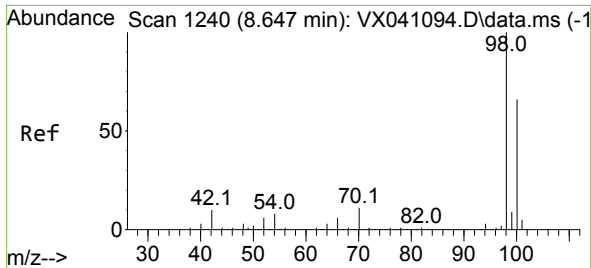


#38  
Carbon Tetrachloride  
Concen: 5.937 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.122 min  
Lab File: VX041111.D  
Acq: 16 Apr 2024 17:38

Tgt Ion: 117 Resp: 14582  
Ion Ratio Lower Upper  
117 100  
119 4.9 78.2 117.2#  
121 0.0 24.4 36.6#



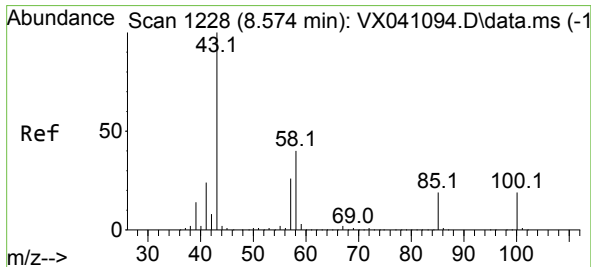
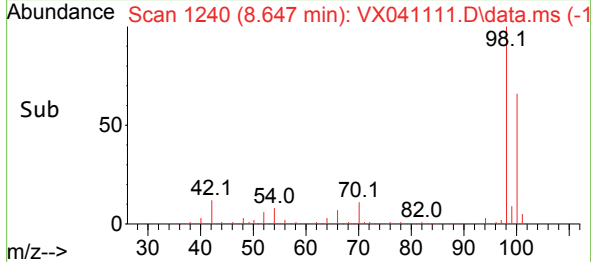
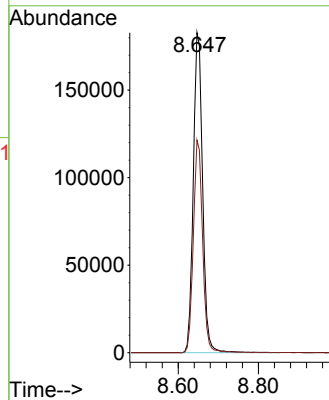
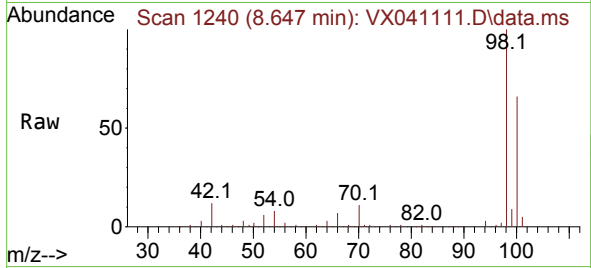




#50  
Toluene-d8  
Concen: 50.308 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX041111.D  
Acq: 16 Apr 2024 17:38

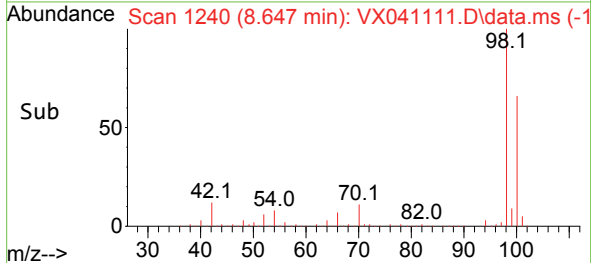
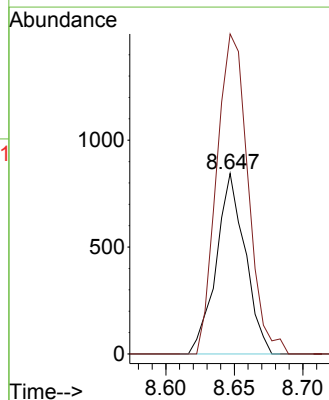
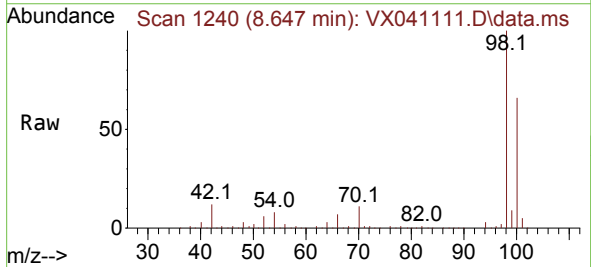
Instrument :  
MSVOA\_X  
ClientSampleId :  
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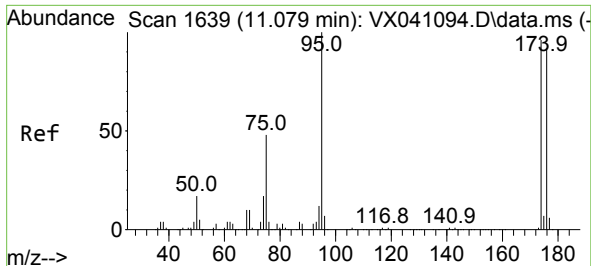
Tgt Ion: 98 Resp: 294824  
Ion Ratio Lower Upper  
98 100  
100 66.2 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.486 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX041111.D  
Acq: 16 Apr 2024 17:38

Tgt Ion: 43 Resp: 1239  
Ion Ratio Lower Upper  
43 100  
58 192.3 30.4 45.6#

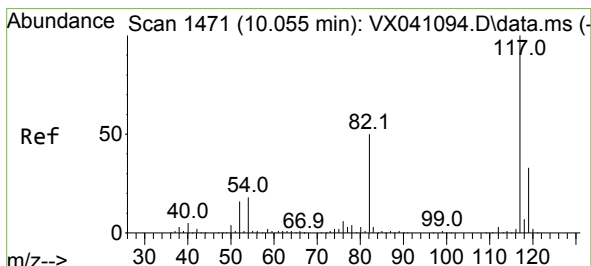
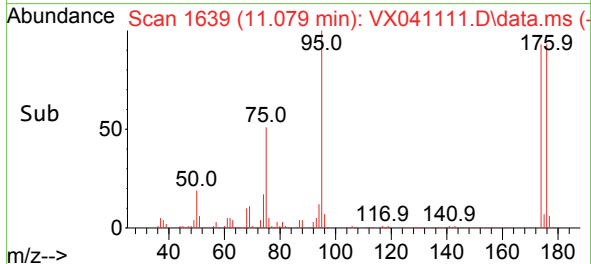
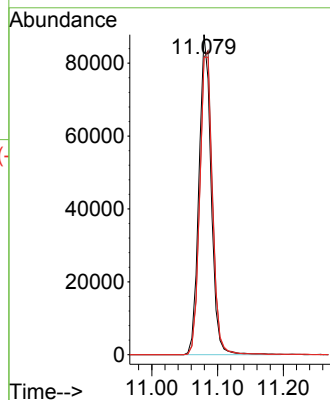
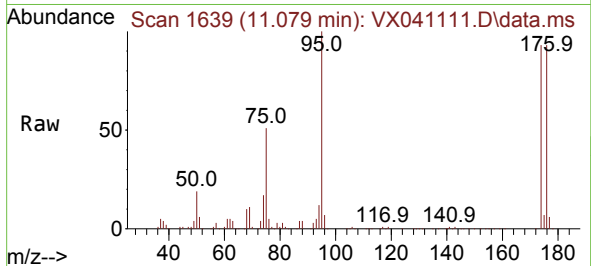




#62  
4-Bromofluorobenzene  
Concen: 50.734 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX041111.D  
Acq: 16 Apr 2024 17:38

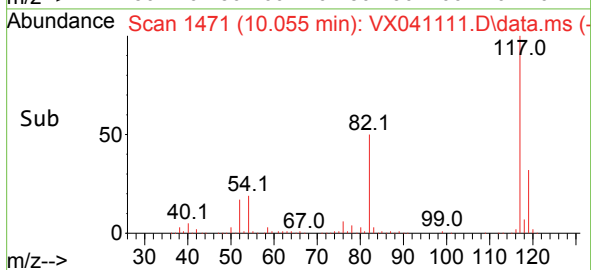
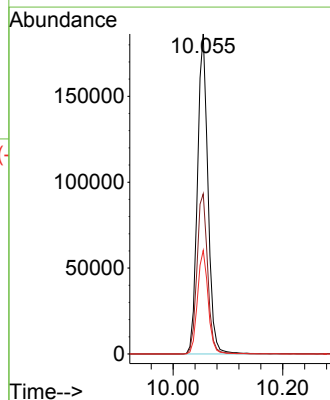
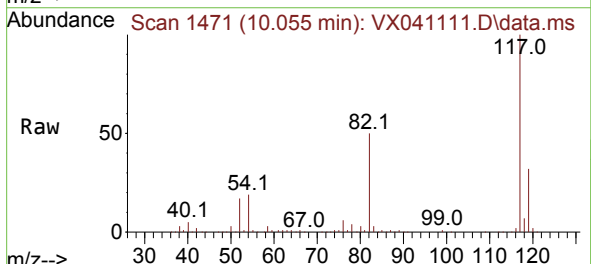
Instrument :  
MSVOA\_X  
ClientSampleId :  
402

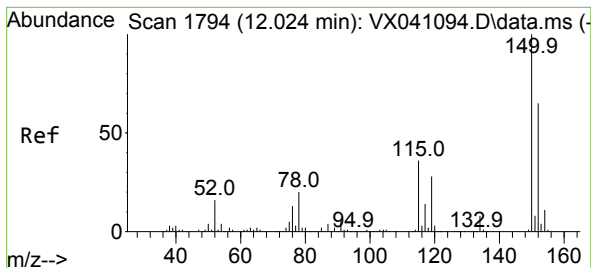
Tgt Ion: 95 Resp: 112866  
Ion Ratio Lower Upper  
95 100  
174 99.5 0.0 135.6  
176 97.2 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX041111.D  
Acq: 16 Apr 2024 17:38

Tgt Ion: 117 Resp: 249310  
Ion Ratio Lower Upper  
117 100  
82 50.0 46.2 69.4  
119 32.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041111.D

Acq: 16 Apr 2024 17:38

Instrument :

MSVOA\_X

ClientSampleId :

402

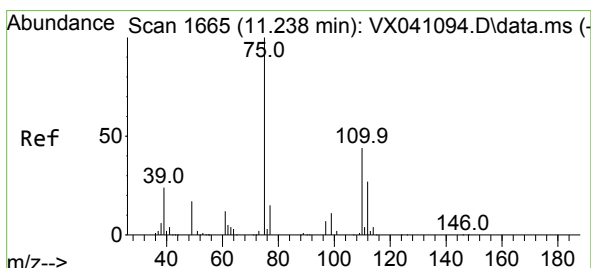
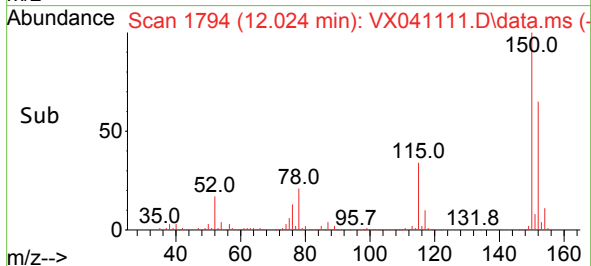
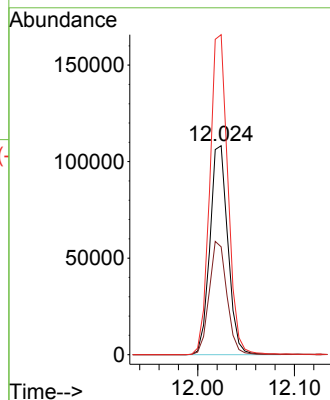
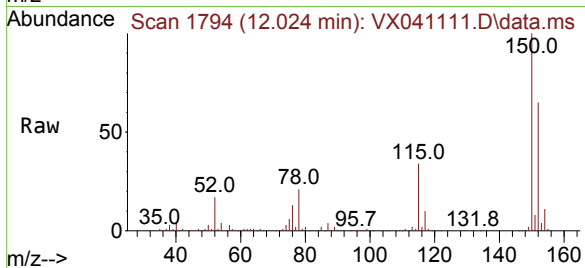
Tgt Ion:152 Resp: 140018

Ion Ratio Lower Upper

152 100

115 53.4 43.3 129.9

150 154.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.772 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041111.D

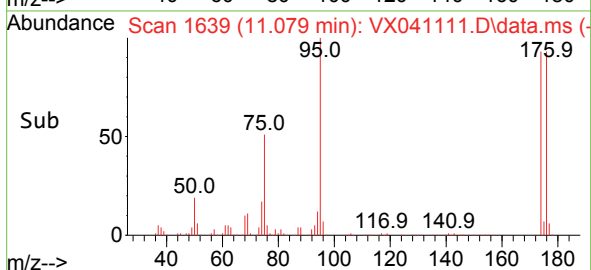
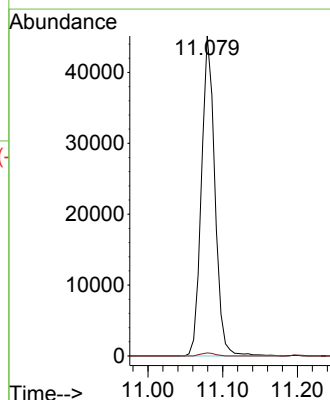
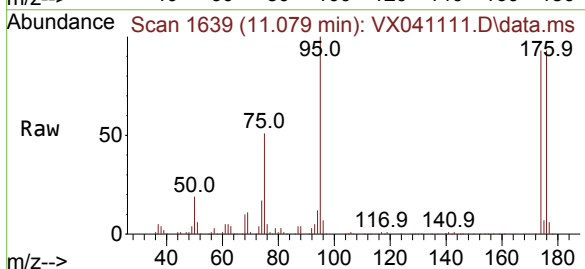
Acq: 16 Apr 2024 17:38

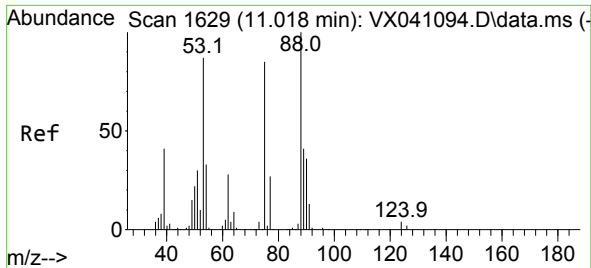
Tgt Ion: 75 Resp: 56525

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 63.333 ug/l  
 RT: 11.079 min Scan# 11  
 Delta R.T. 0.061 min  
 Lab File: VX041111.D  
 Acq: 16 Apr 2024 17:38

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 402

Tgt Ion: 75 Resp: 56525  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

