

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011924\  
 Data File : VX039849.D  
 Acq On : 19 Jan 2024 19:00  
 Operator : JC/MD  
 Sample : P1196-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE137-SP303-A-20240118

Quant Time: Jan 20 00:31:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 11 03:51:26 2024  
 Response via : Initial Calibration

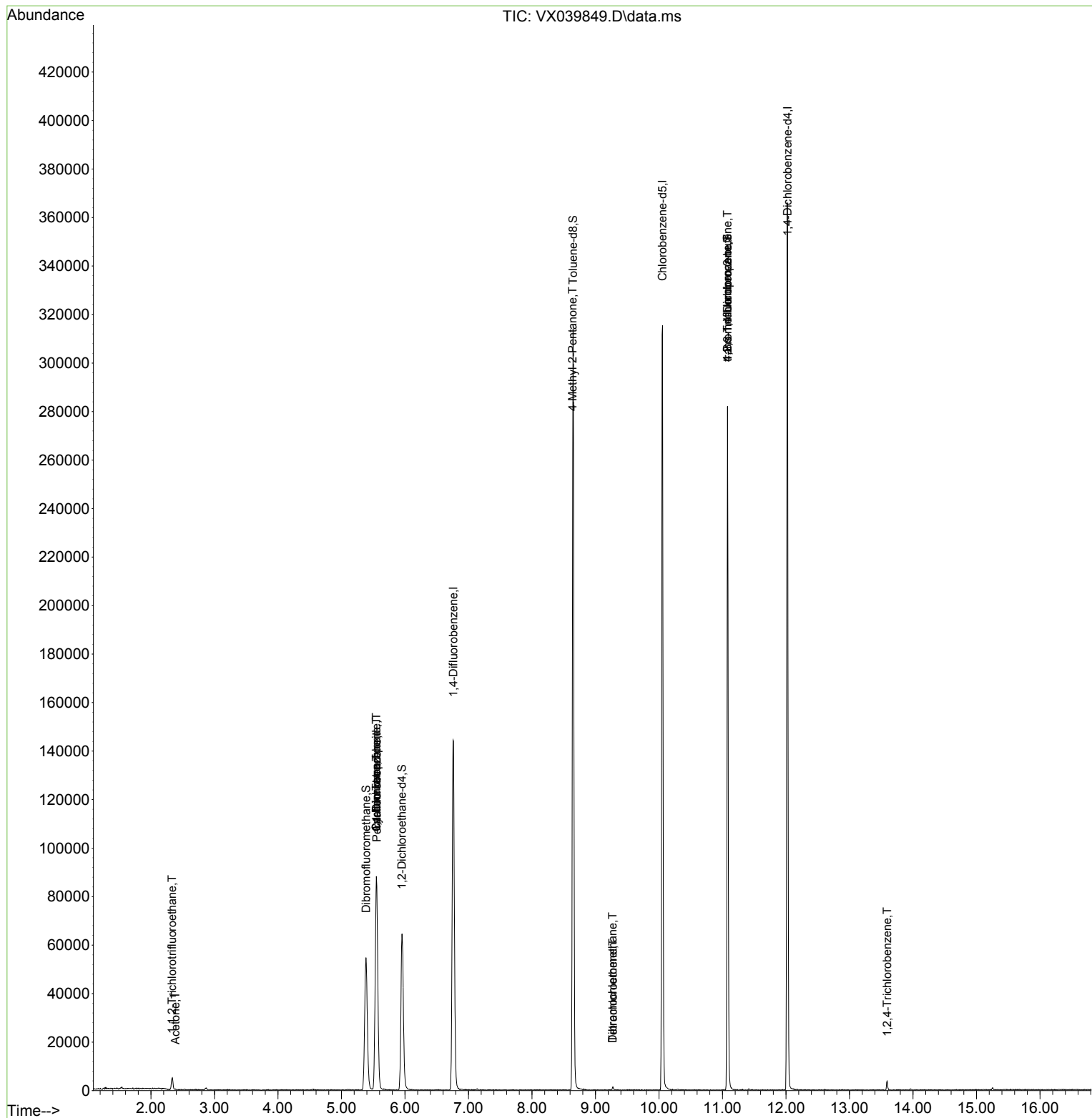
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 77562      | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 144217     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 141841     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 71008      | 50.000  | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 62882      | 48.398  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 96.800% |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 48021      | 49.437  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 98.880% |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 179489     | 48.993  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 97.980% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 70792      | 49.414  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 98.820% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo...  | 2.331          | 101  | 2199       | 2.273   | ug/l   | 91       |
| 16) Acetone                   | 2.386          | 43   | 322        | 0.441   | ug/l # | 47       |
| 31) Cyclohexane               | 5.550          | 56   | 2161       | 1.260   | ug/l # | 10       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 7113       | 4.704   | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 8748       | 6.317   | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 8.641          | 43   | 884        | 0.434   | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.269          | 129  | 286        | 0.279   | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.275          | 164  | 237        | 0.257   | ug/l # | 78       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 39242      | 21.316  | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 39242      | 62.076  | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 13.591         | 180  | 992        | 0.680   | ug/l   | 95       |
| -----                         |                |      |            |         |        |          |

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

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Instrument :  
MSVOA\_X  
ClientSampleId :  
RE137-SP303-A-20240118

Quant Time: Jan 20 00:31:04 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 11 03:51:26 2024  
Response via : Initial Calibration

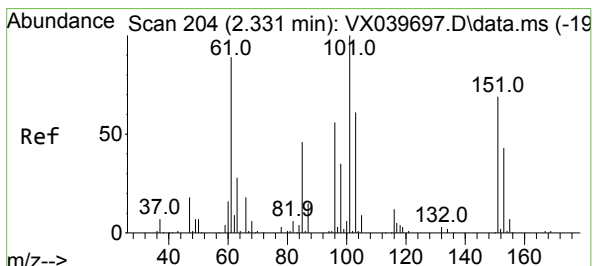
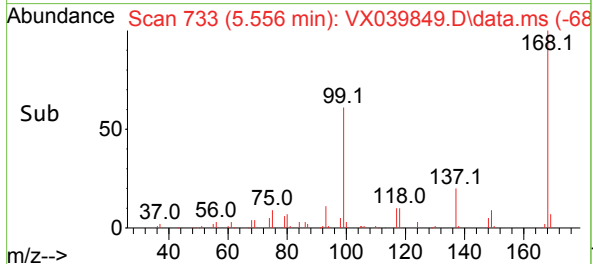
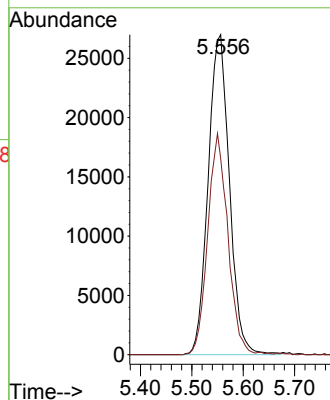
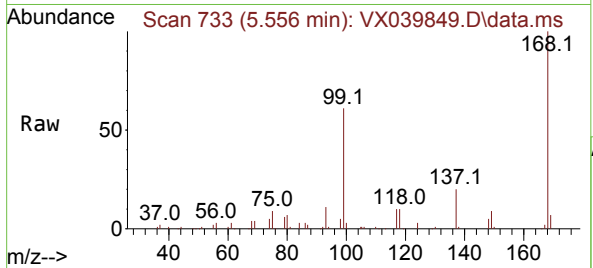




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX039849.D  
Acq: 19 Jan 2024 19:00

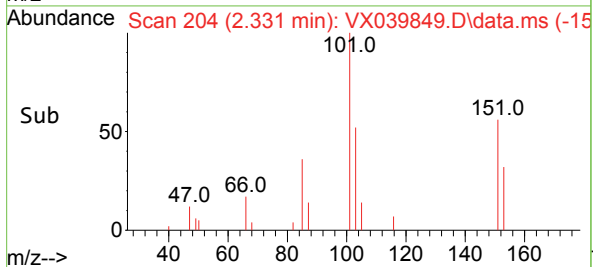
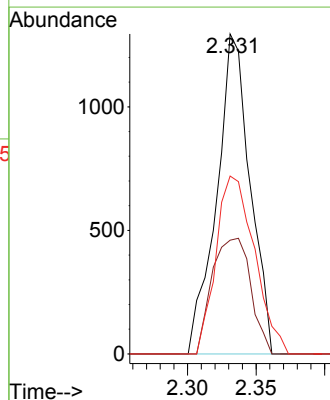
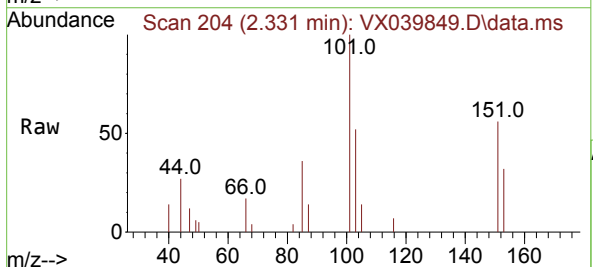
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE137-SP303-A-20240118

Tgt Ion:168 Resp: 77562  
Ion Ratio Lower Upper  
168 100  
99 61.3 56.6 85.0



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.273 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.000 min  
Lab File: VX039849.D  
Acq: 19 Jan 2024 19:00

Tgt Ion:101 Resp: 2199  
Ion Ratio Lower Upper  
101 100  
85 41.7 37.0 55.6  
151 64.0 58.6 87.8

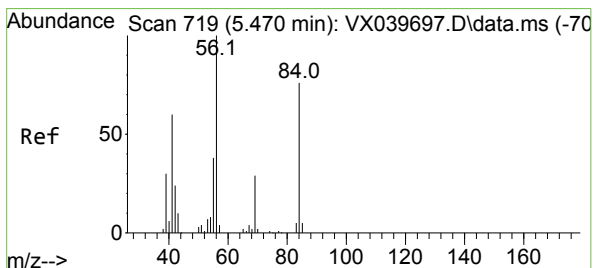
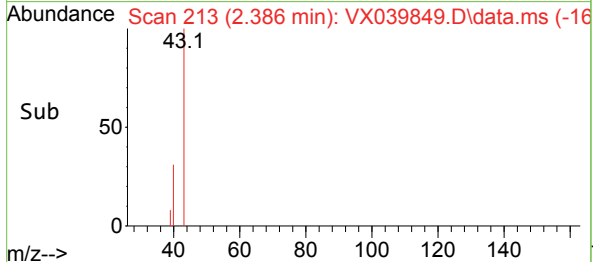
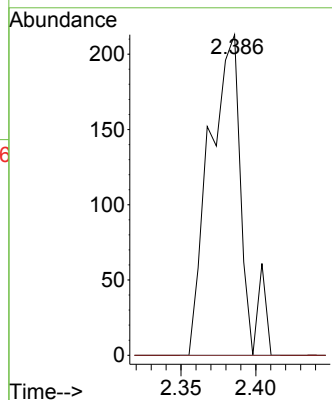
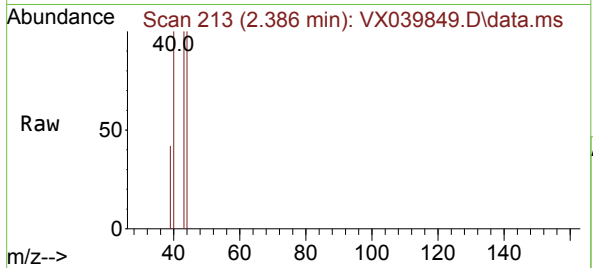




#16  
Acetone  
Concen: 0.441 ug/l  
RT: 2.386 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VX039849.D  
Acq: 19 Jan 2024 19:00

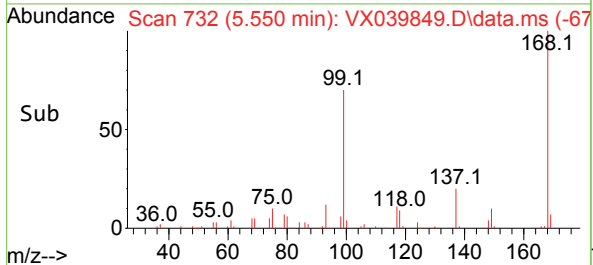
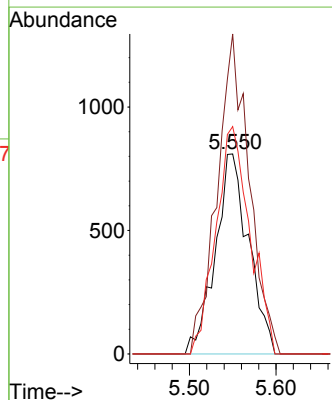
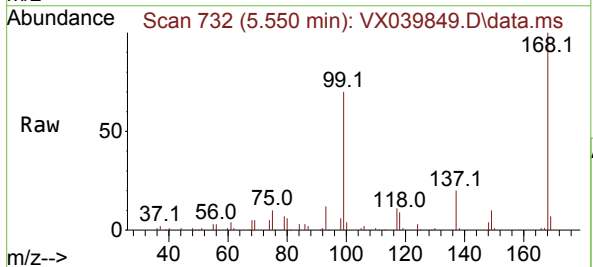
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE137-SP303-A-20240118

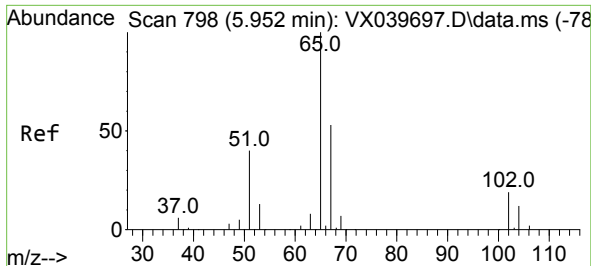
Tgt Ion: 43 Resp: 322  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.9 32.9#



#31  
Cyclohexane  
Concen: 1.260 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.079 min  
Lab File: VX039849.D  
Acq: 19 Jan 2024 19:00

Tgt Ion: 56 Resp: 2161  
Ion Ratio Lower Upper  
56 100  
69 160.0 23.4 35.2#  
84 113.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.398 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039849.D

Acq: 19 Jan 2024 19:00

Instrument :

MSVOA\_X

ClientSampleId :

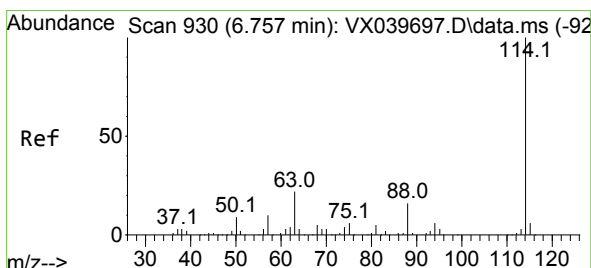
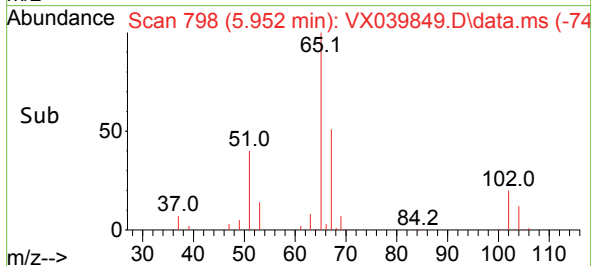
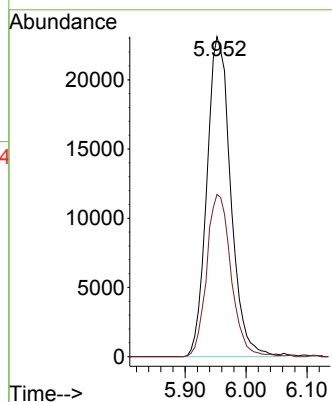
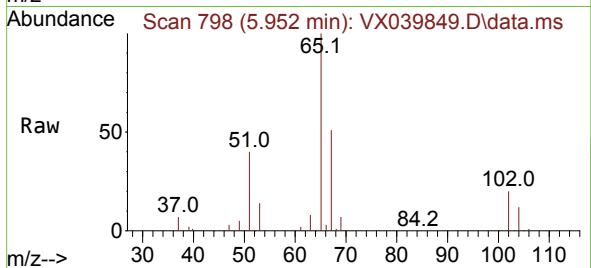
RE137-SP303-A-20240118

Tgt Ion: 65 Resp: 62882

Ion Ratio Lower Upper

65 100

67 51.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX039849.D

Acq: 19 Jan 2024 19:00

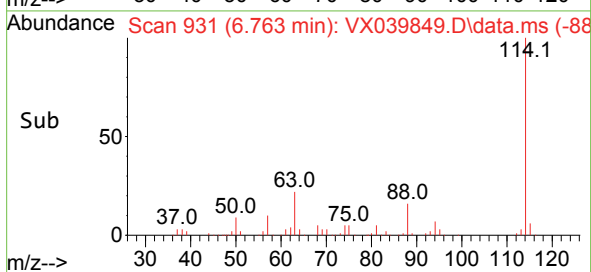
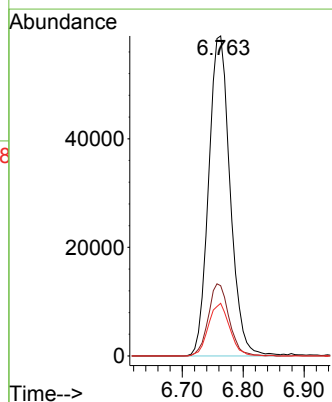
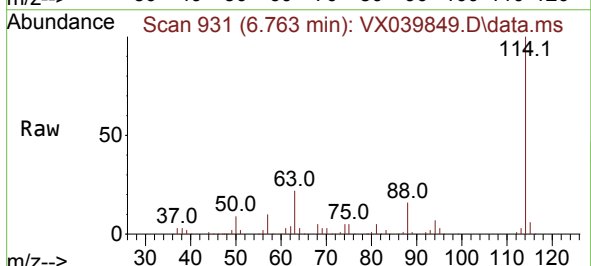
Tgt Ion: 114 Resp: 144217

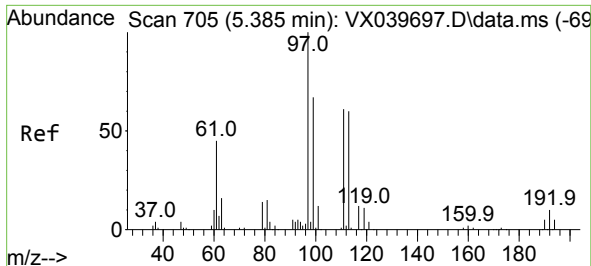
Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.0

88 16.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 49.437 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX039849.D

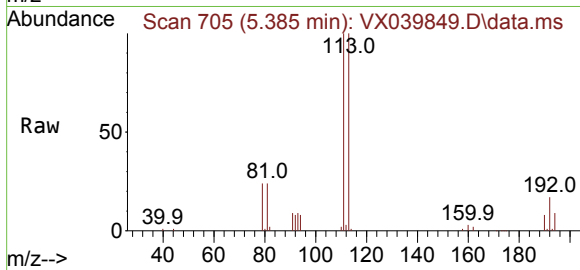
Acq: 19 Jan 2024 19:00

Instrument :

MSVOA\_X

ClientSampleId :

RE137-SP303-A-20240118



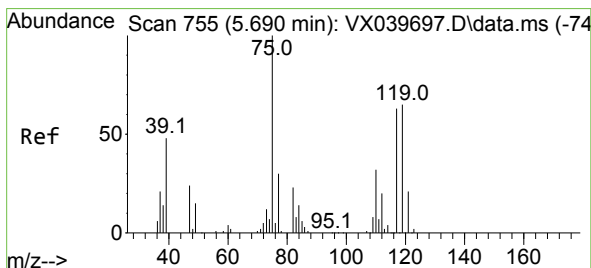
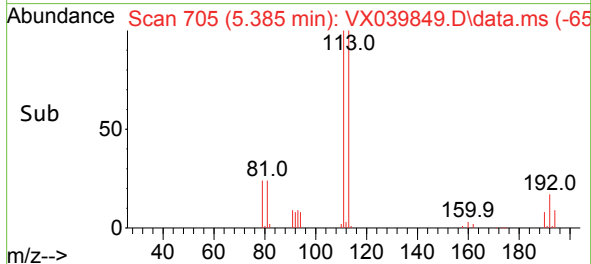
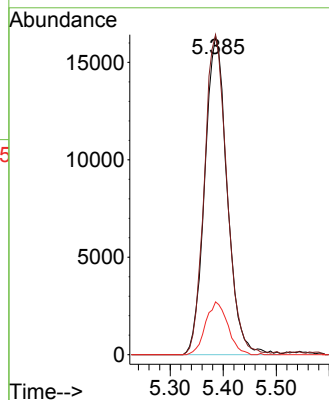
Tgt Ion:113 Resp: 48021

Ion Ratio Lower Upper

113 100

111 100.9 82.9 124.3

192 16.4 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.704 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX039849.D

Acq: 19 Jan 2024 19:00

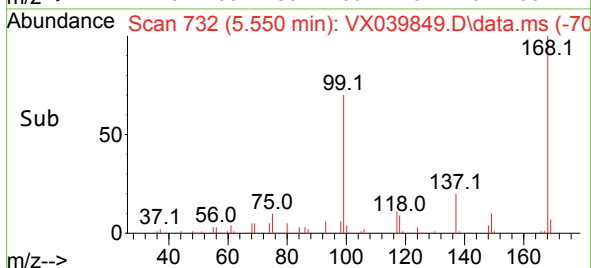
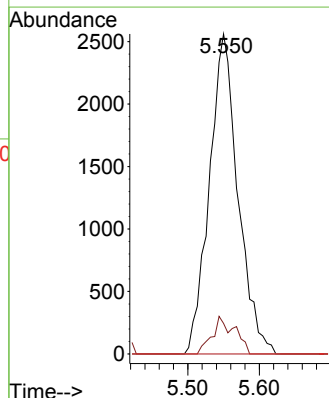
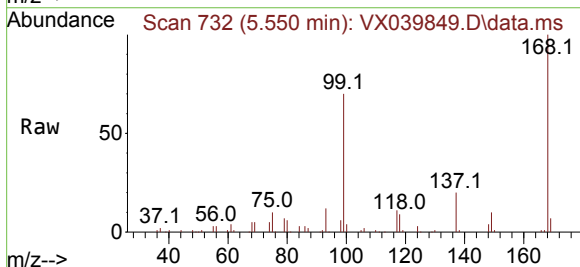
Tgt Ion: 75 Resp: 7113

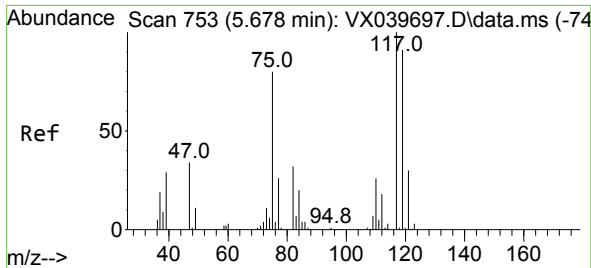
Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

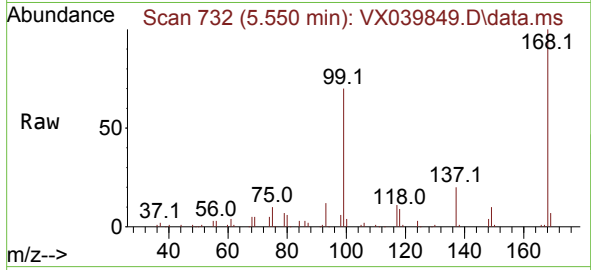
77 0.0 24.7 37.1#



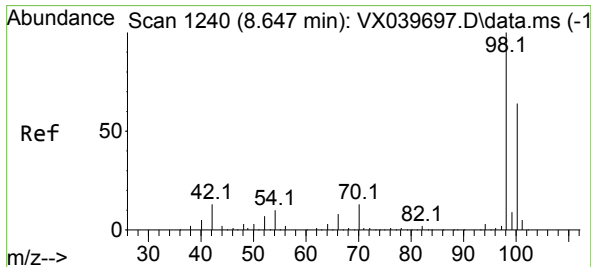
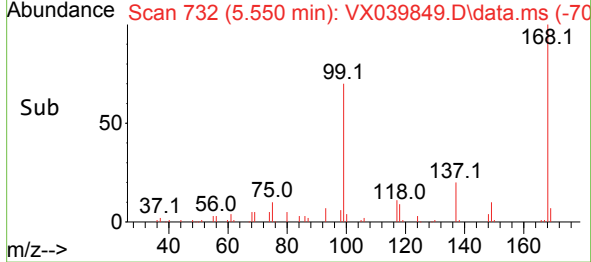
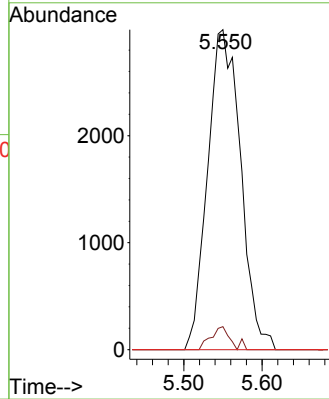


#38  
Carbon Tetrachloride  
Concen: 6.317 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX039849.D  
Acq: 19 Jan 2024 19:00

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE137-SP303-A-20240118

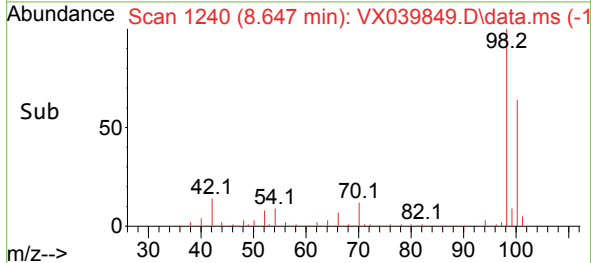
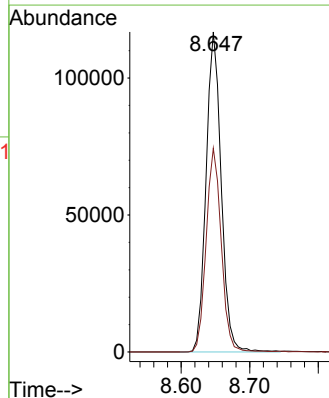
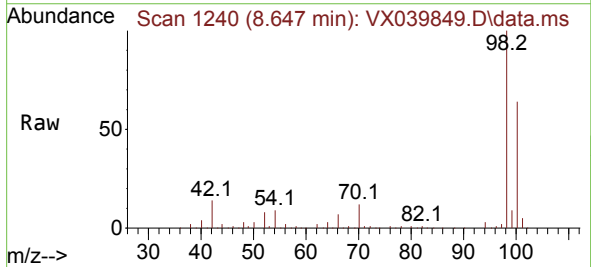


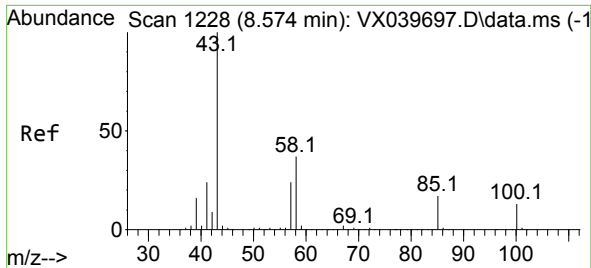
Tgt Ion:117 Resp: 8748  
Ion Ratio Lower Upper  
117 100  
119 7.2 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 48.993 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX039849.D  
Acq: 19 Jan 2024 19:00

Tgt Ion: 98 Resp: 179489  
Ion Ratio Lower Upper  
98 100  
100 63.5 53.1 79.7

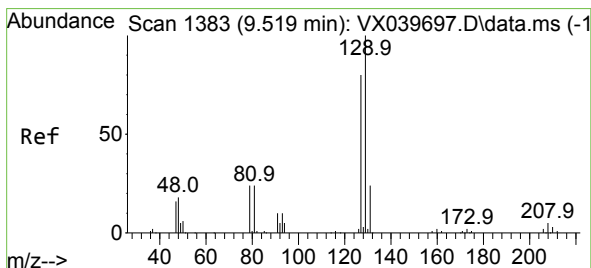
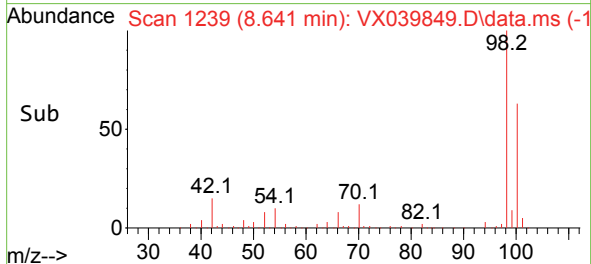
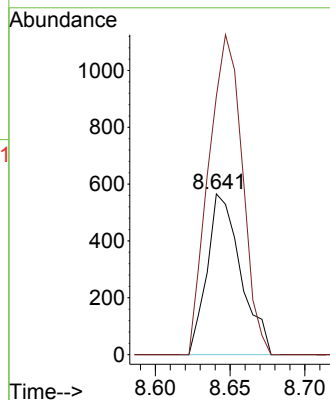
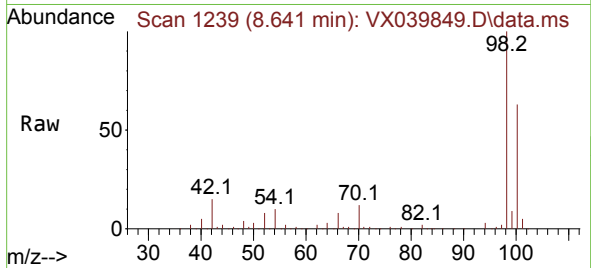




#51  
4-Methyl-2-Pentanone  
Concen: 0.434 ug/l  
RT: 8.641 min Scan# 11  
Delta R.T. 0.067 min  
Lab File: VX039849.D  
Acq: 19 Jan 2024 19:00

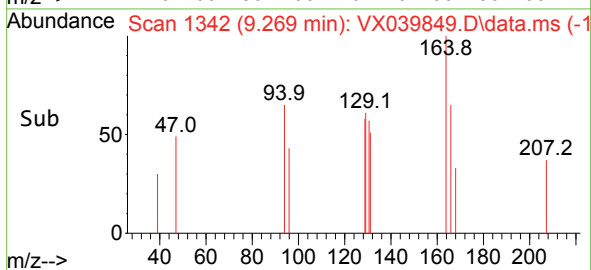
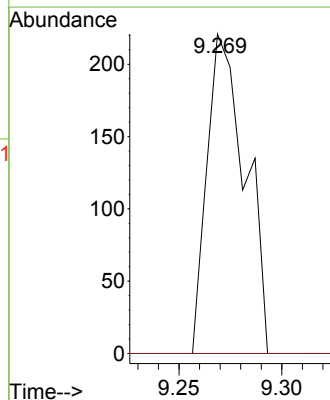
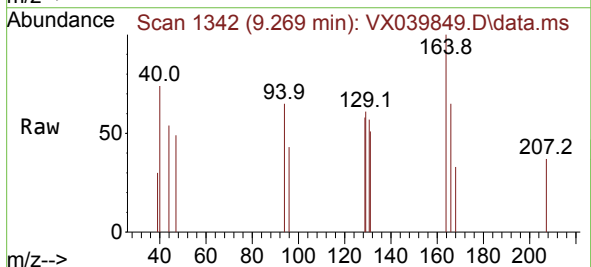
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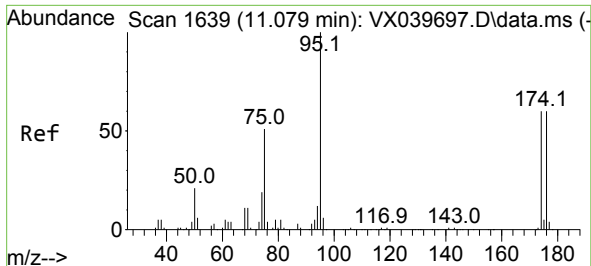
Tgt Ion: 43 Resp: 884  
Ion Ratio Lower Upper  
43 100  
58 199.8 30.4 45.6#



#60  
Dibromochloromethane  
Concen: 0.279 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. -0.250 min  
Lab File: VX039849.D  
Acq: 19 Jan 2024 19:00

Tgt Ion: 129 Resp: 286  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.8 116.4#

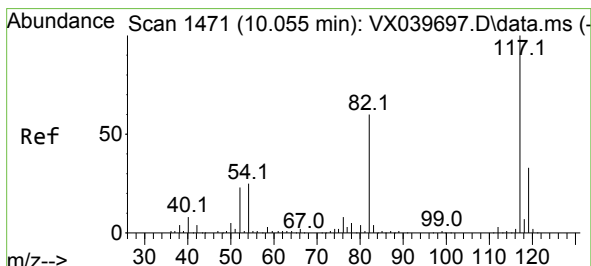
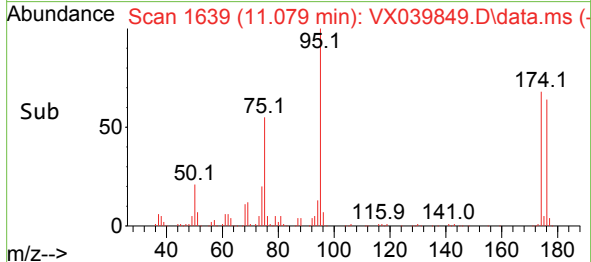
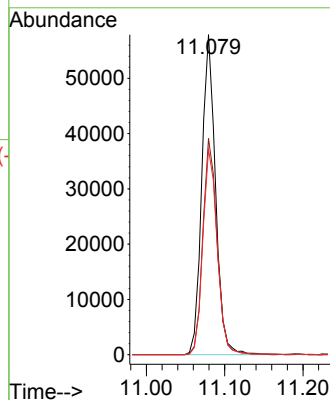
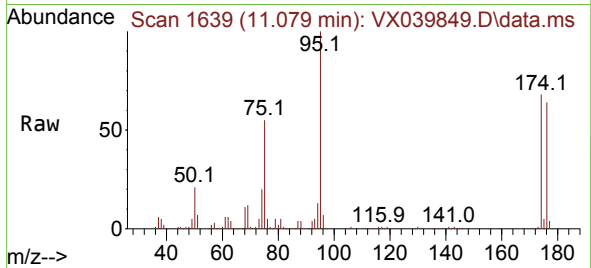




#62  
4-Bromofluorobenzene  
Concen: 49.414 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX039849.D  
Acq: 19 Jan 2024 19:00

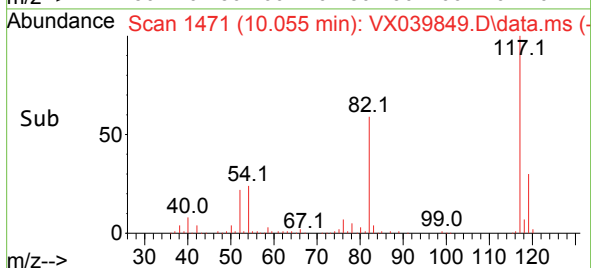
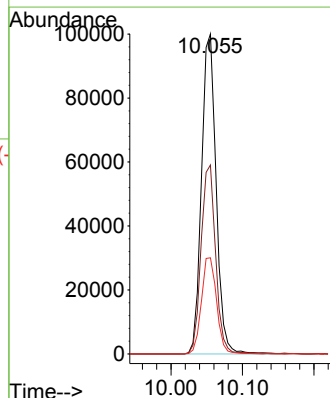
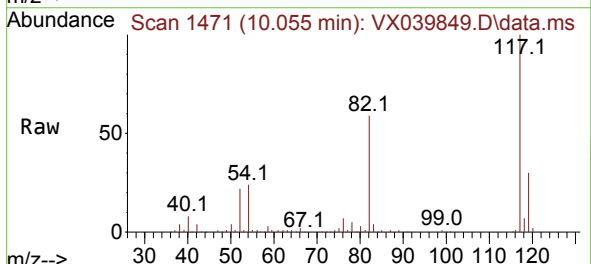
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE137-SP303-A-20240118

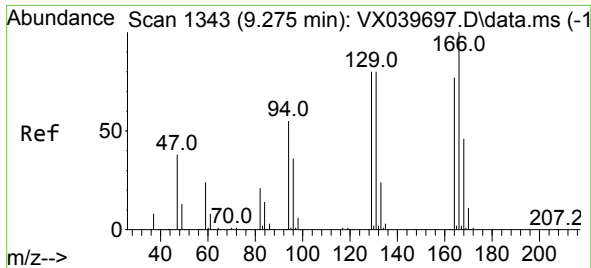
Tgt Ion: 95 Resp: 70792  
Ion Ratio Lower Upper  
95 100  
174 69.7 0.0 135.6  
176 66.9 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX039849.D  
Acq: 19 Jan 2024 19:00

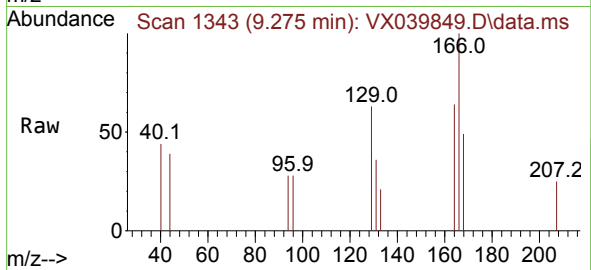
Tgt Ion: 117 Resp: 141841  
Ion Ratio Lower Upper  
117 100  
82 59.1 46.2 69.4  
119 30.0 25.5 38.3



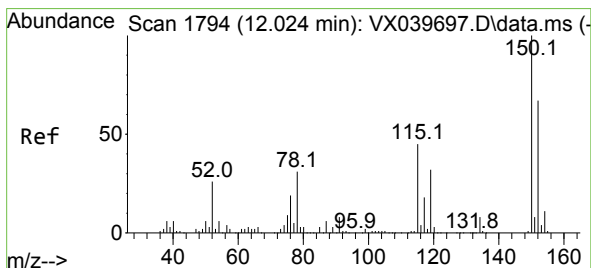
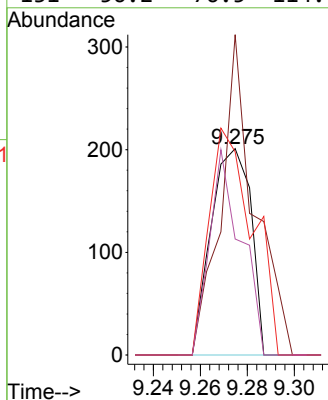
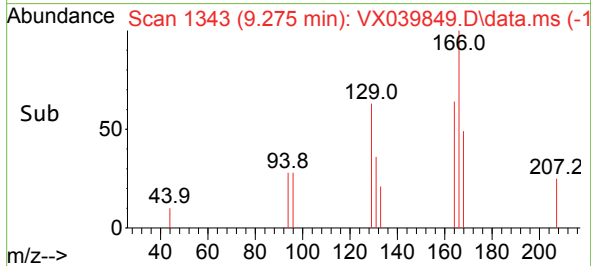


#64  
Tetrachloroethene  
Concen: 0.257 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX039849.D  
Acq: 19 Jan 2024 19:00

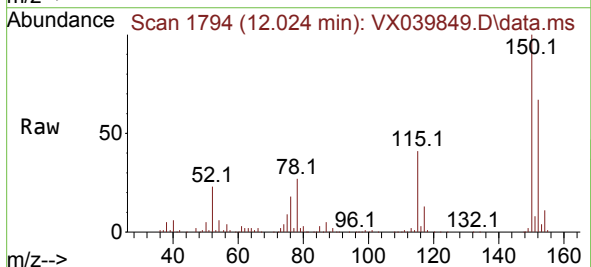
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE137-SP303-A-20240118



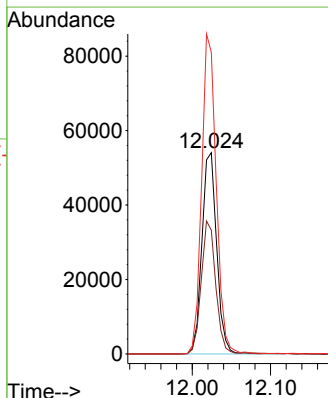
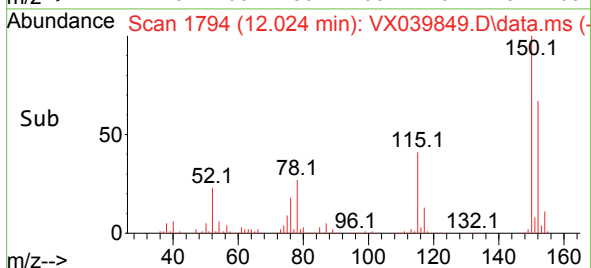
Tgt Ion:164 Resp: 237  
Ion Ratio Lower Upper  
164 100  
166 155.2 102.7 154.1#  
129 98.5 80.4 120.6  
131 56.2 76.5 114.7#

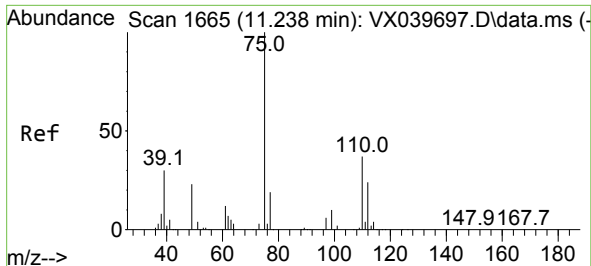


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX039849.D  
Acq: 19 Jan 2024 19:00



Tgt Ion:152 Resp: 71008  
Ion Ratio Lower Upper  
152 100  
115 64.7 43.3 129.9  
150 156.1 0.0 345.0

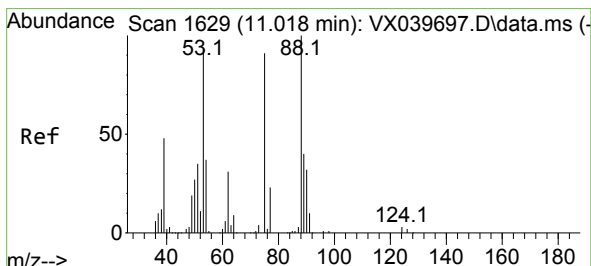
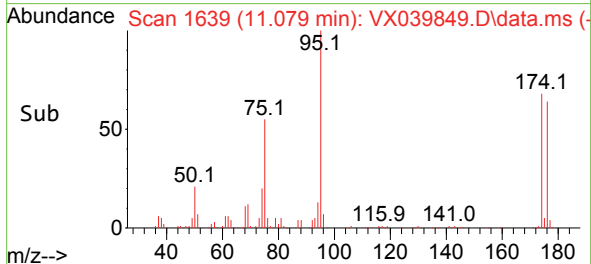
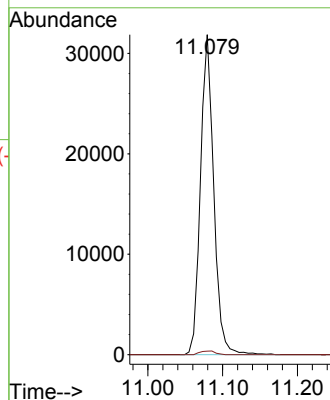
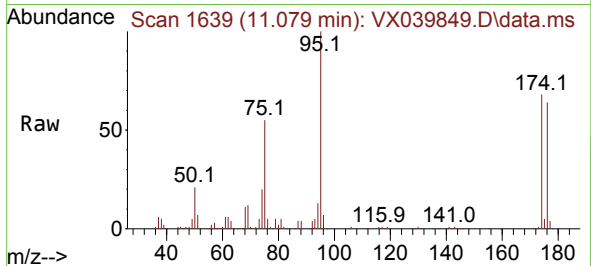




#76  
1,2,3-Trichloropropane  
Concen: 21.316 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX039849.D  
Acq: 19 Jan 2024 19:00

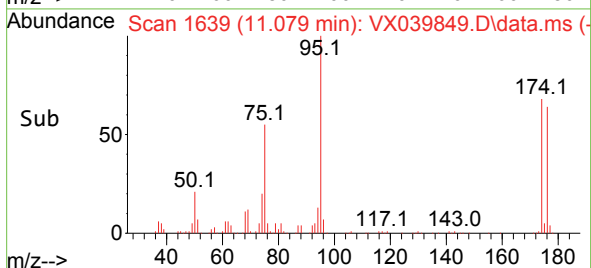
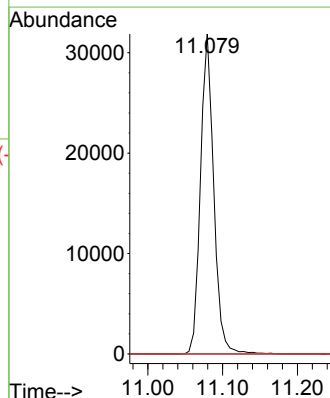
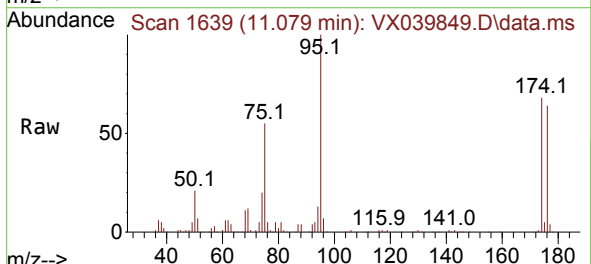
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE137-SP303-A-20240118

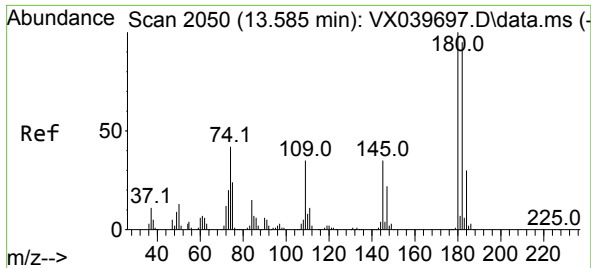
Tgt Ion: 75 Resp: 39242  
Ion Ratio Lower Upper  
75 100  
77 1.4 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 62.076 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX039849.D  
Acq: 19 Jan 2024 19:00

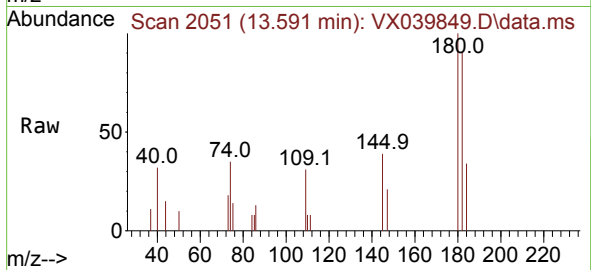
Tgt Ion: 75 Resp: 39242  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#





#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.680 ug/l  
 RT: 13.591 min Scan# 20  
 Delta R.T. 0.006 min  
 Lab File: VX039849.D  
 Acq: 19 Jan 2024 19:00

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE137-SP303-A-20240118



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 992   |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 100.4 | 48.3  | 144.8 |
| 145      | 40.1  | 18.0  | 54.0  |

