

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022024\  
 Data File : VX040354.D  
 Acq On : 20 Feb 2024 14:16  
 Operator : JC/MD  
 Sample : P1414-09RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB020724

Quant Time: Feb 21 01:13:46 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020924W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 12 00:21:14 2024  
 Response via : Initial Calibration

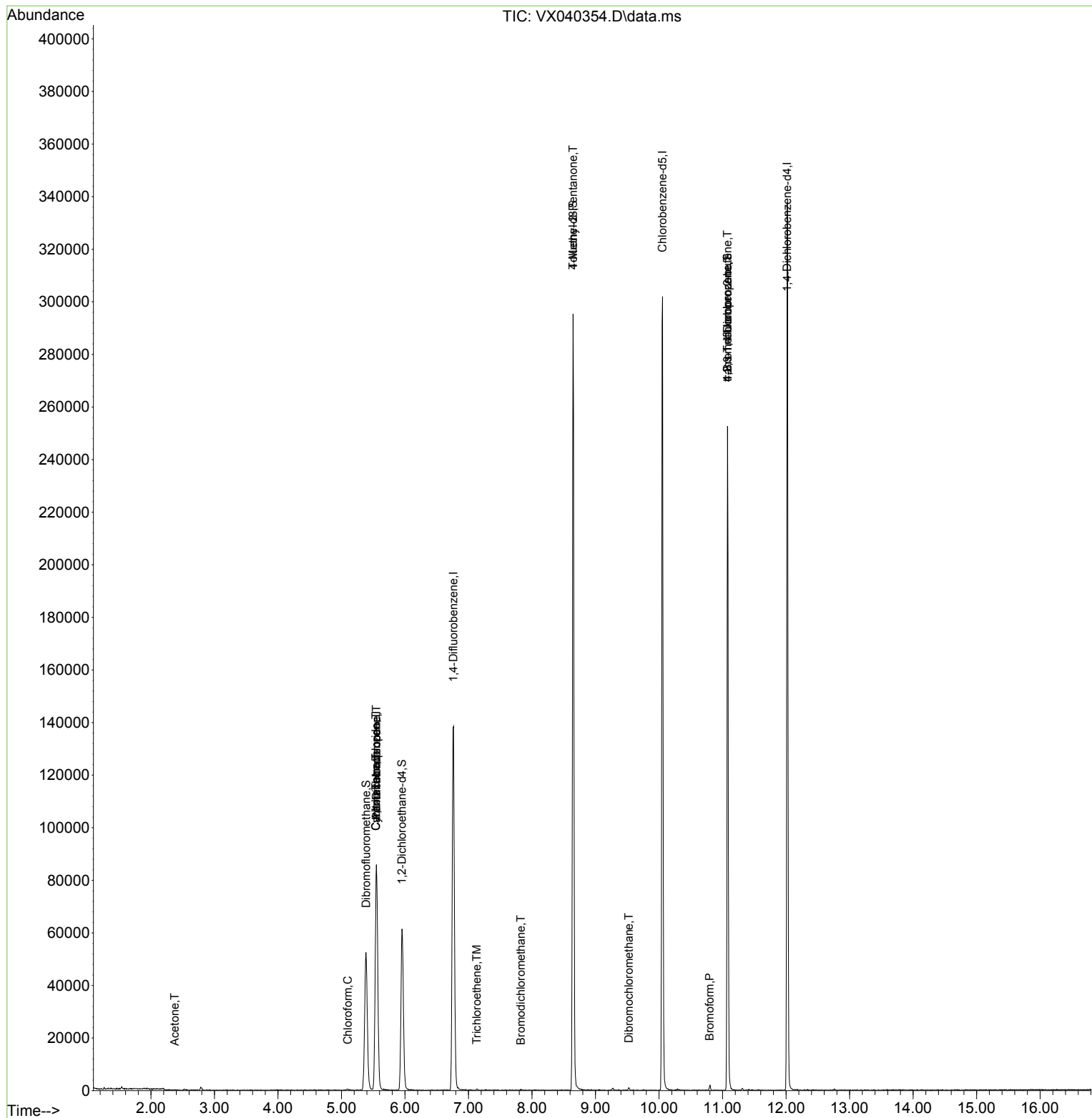
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 77362    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 138093   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 130092   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 65536    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 60967    | 52.973    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | = 105.940% |          |
| 35) Dibromofluoromethane      | 5.385  | 113   | 45194    | 46.864    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 93.720%  |          |
| 50) Toluene-d8                | 8.647  | 98    | 168576   | 46.730    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | = 93.460%  |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 63146    | 42.920    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | = 85.840%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 16) Acetone                   | 2.374  | 43    | 97       | 0.205     | ug/l #     | 47       |
| 20) Methylene Chloride        | 2.782  | 84    | 385      | Below Cal |            | 91       |
| 30) Chloroform                | 5.099  | 83    | 493      | 0.282     | ug/l       | 96       |
| 31) Cyclohexane               | 5.544  | 56    | 2101     | 1.530     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 6953     | 5.147     | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 8251     | 6.424     | ug/l #     | 16       |
| 44) Trichloroethene           | 7.129  | 130   | 225      | 0.216     | ug/l       | 52       |
| 47) Bromodichloromethane      | 7.824  | 83    | 296      | 0.212     | ug/l #     | 52       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 936      | 0.584     | ug/l #     | 1        |
| 60) Dibromochloromethane      | 9.525  | 129   | 500      | 0.465     | ug/l       | 83       |
| 71) Bromoform                 | 10.799 | 173   | 569      | 2.686     | ug/l #     | 78       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 36555    | 27.544    | ug/l #     | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 36555    | 75.406    | ug/l #     | 5        |
| -----                         |        |       |          |           |            |          |

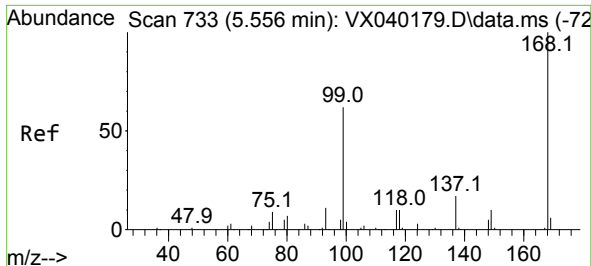
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 12 00:21:14 2024  
Response via : Initial Calibration

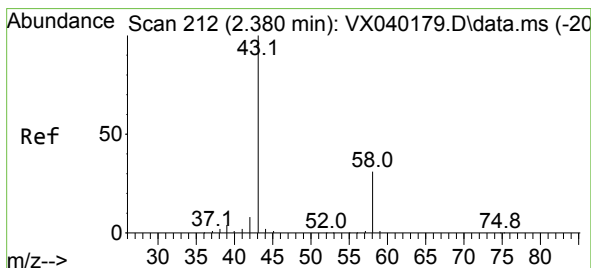
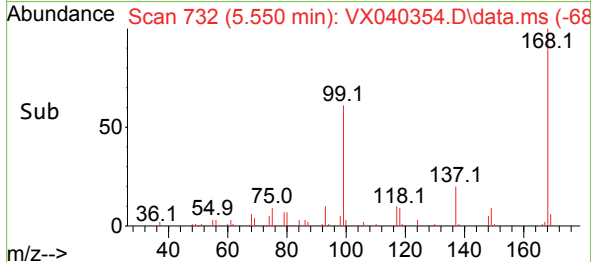
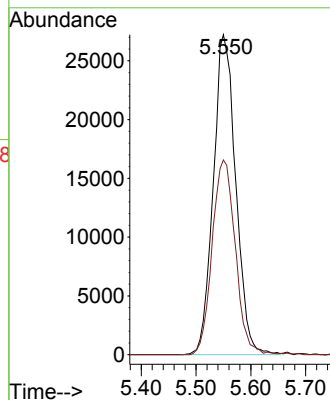
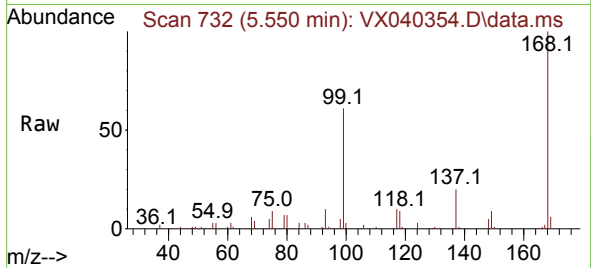




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

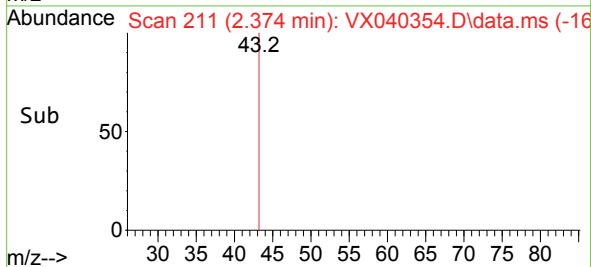
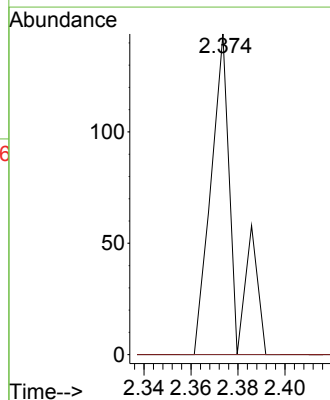
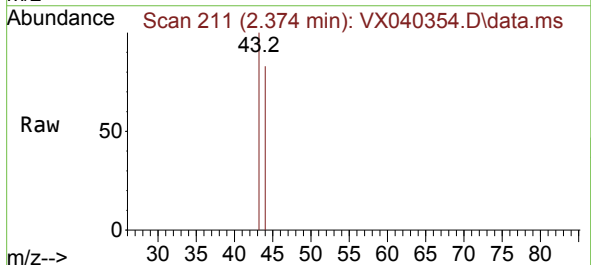
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB020724

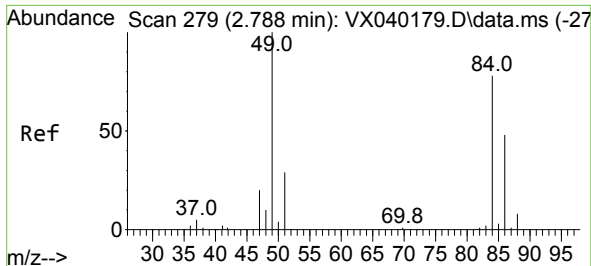
Tgt Ion:168 Resp: 77362  
Ion Ratio Lower Upper  
168 100  
99 60.9 56.6 85.0



#16  
Acetone  
Concen: 0.205 ug/l  
RT: 2.374 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

Tgt Ion: 43 Resp: 97  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX040354.D

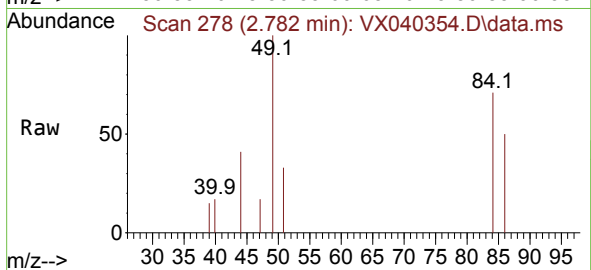
Acq: 20 Feb 2024 14:16

Instrument :

MSVOA\_X

ClientSampleId :

FB020724



Tgt Ion: 84 Resp: 385

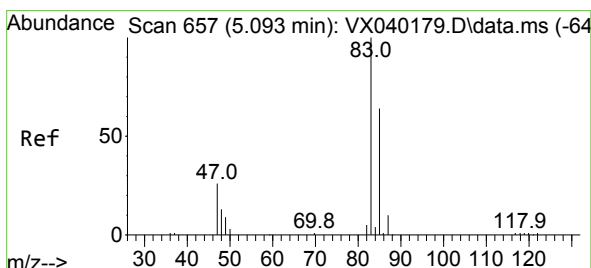
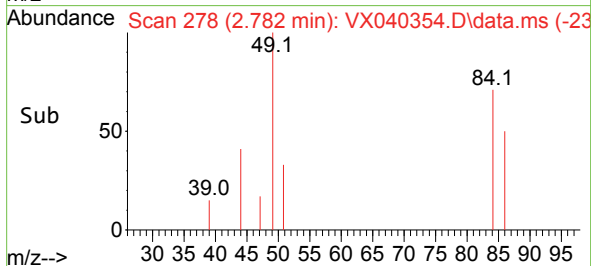
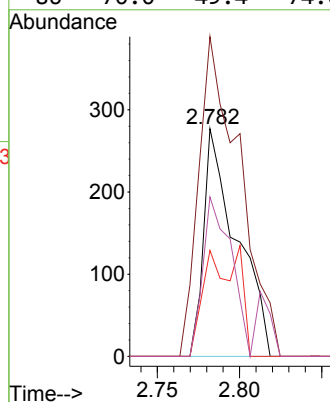
Ion Ratio Lower Upper

84 100

49 140.4 103.6 155.4

51 46.6 33.8 50.6

86 70.0 49.4 74.0



#30

Chloroform

Concen: 0.282 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.000 min

Lab File: VX040354.D

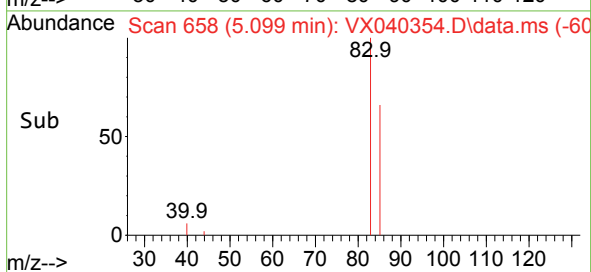
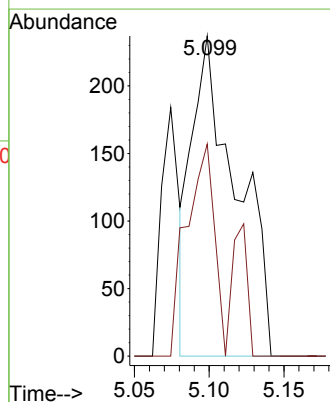
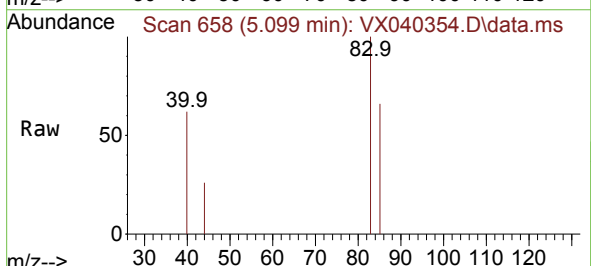
Acq: 20 Feb 2024 14:16

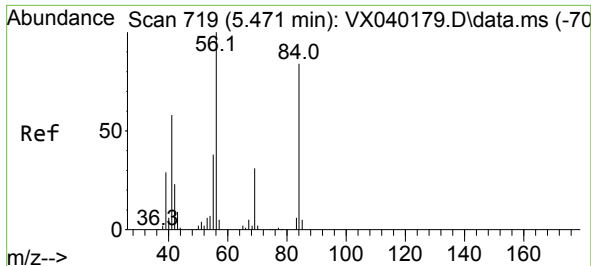
Tgt Ion: 83 Resp: 493

Ion Ratio Lower Upper

83 100

85 66.2 50.3 75.5

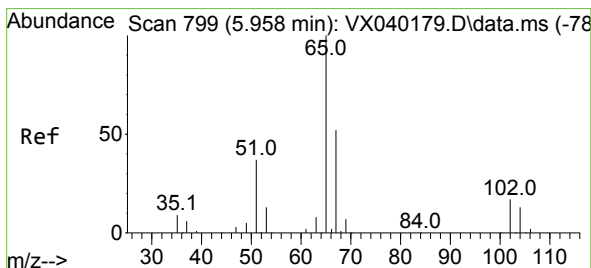
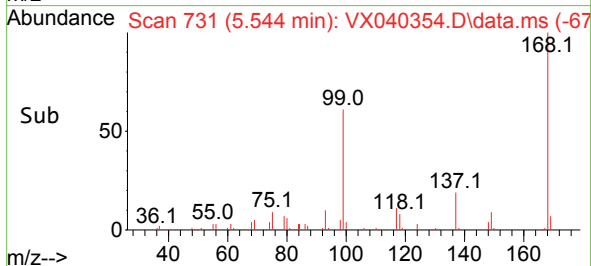
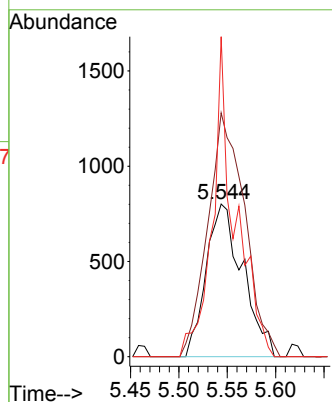
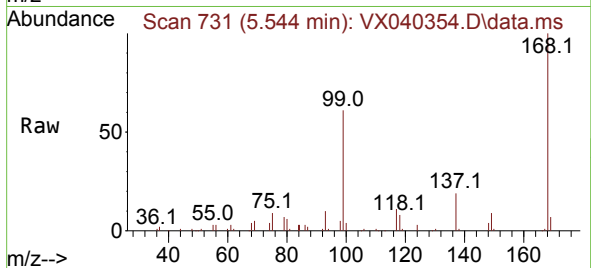




#31  
Cyclohexane  
Concen: 1.530 ug/l  
RT: 5.544 min Scan# 719  
Delta R.T. 0.073 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

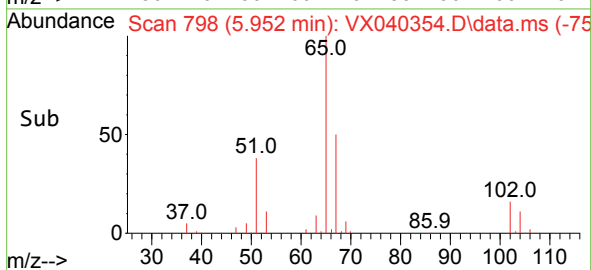
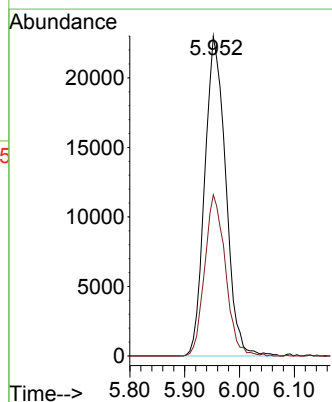
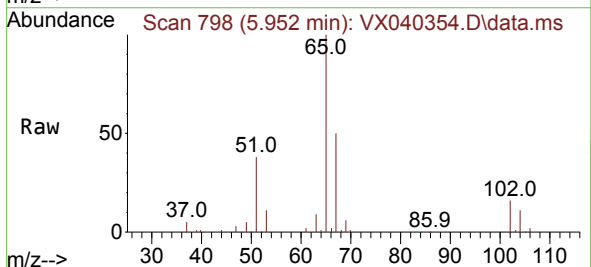
Instrument :  
MSVOA\_X  
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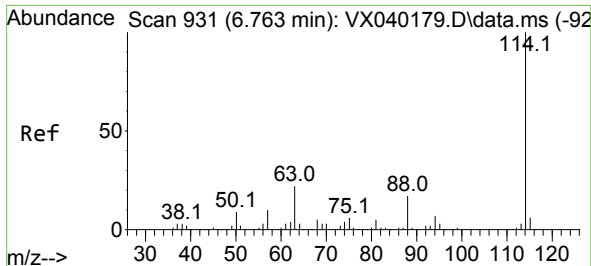
Tgt Ion: 56 Resp: 2101  
Ion Ratio Lower Upper  
56 100  
69 159.6 23.4 35.2#  
84 209.5 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 52.973 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

Tgt Ion: 65 Resp: 60967  
Ion Ratio Lower Upper  
65 100  
67 49.9 0.0 100.2

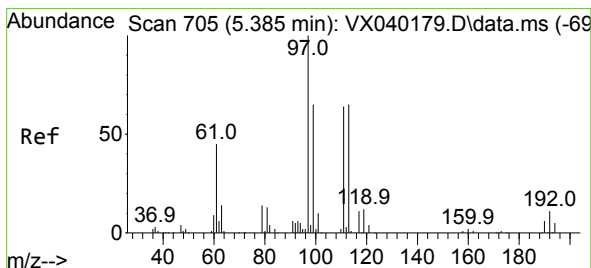
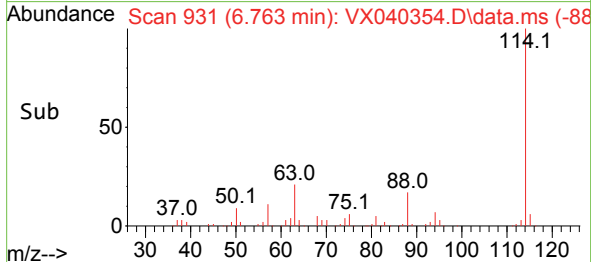
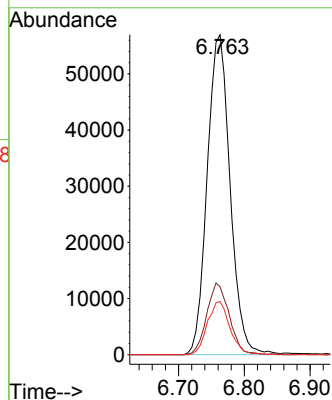
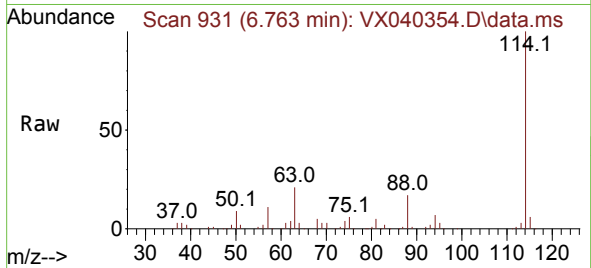




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

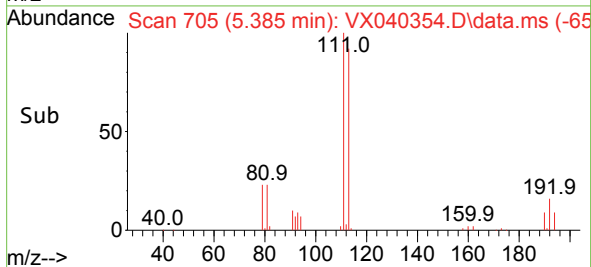
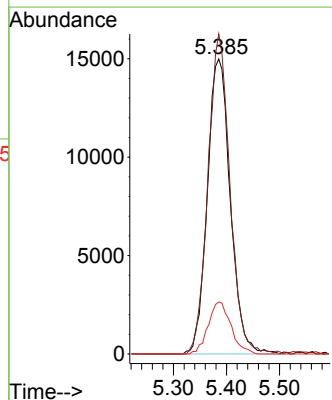
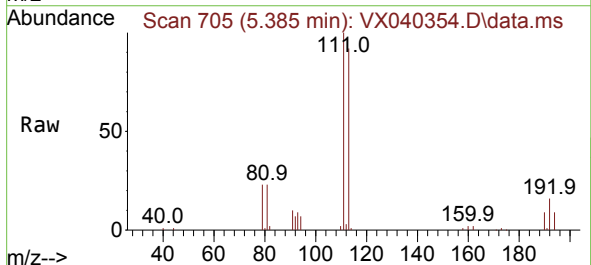
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB020724

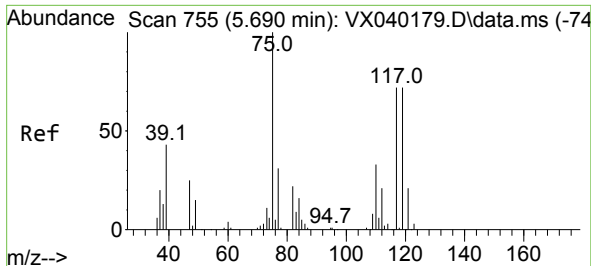
Tgt Ion:114 Resp: 138093  
Ion Ratio Lower Upper  
114 100  
63 21.3 0.0 45.0  
88 16.6 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 46.864 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

Tgt Ion:113 Resp: 45194  
Ion Ratio Lower Upper  
113 100  
111 103.8 82.9 124.3  
192 17.4 13.3 19.9

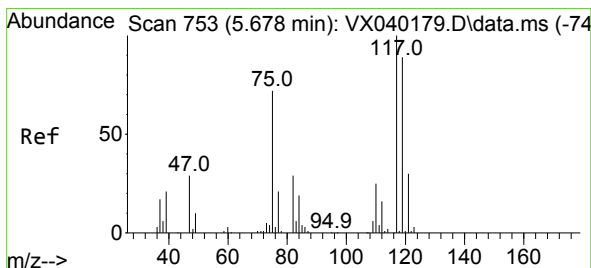
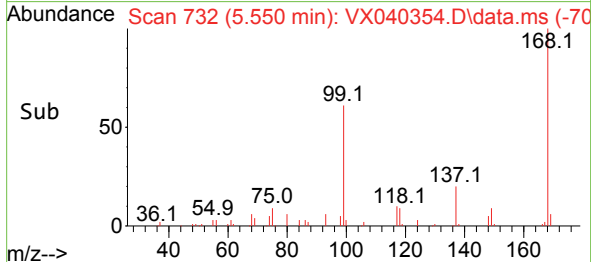
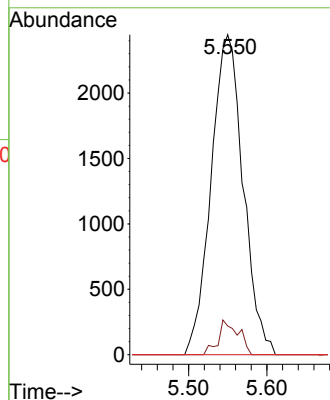
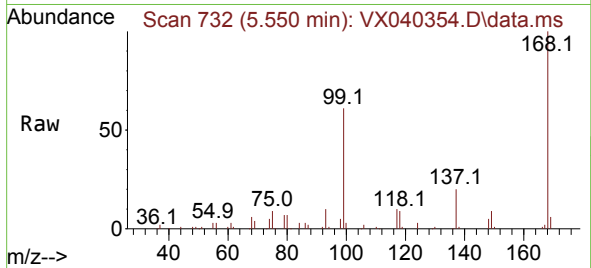




#36  
1,1-Dichloropropene  
Concen: 5.147 ug/l  
RT: 5.550 min Scan# 711  
Delta R.T. -0.146 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

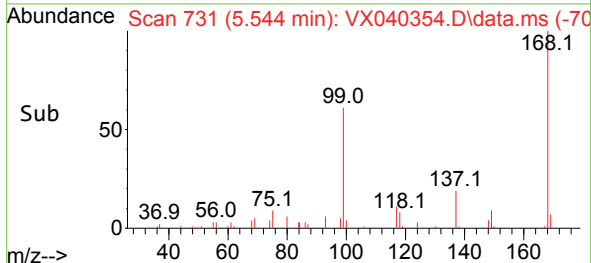
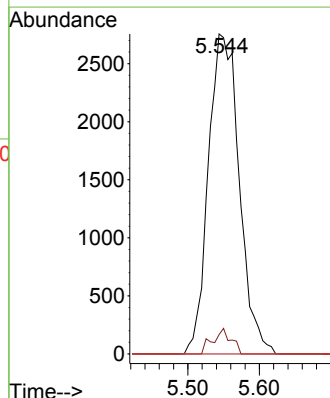
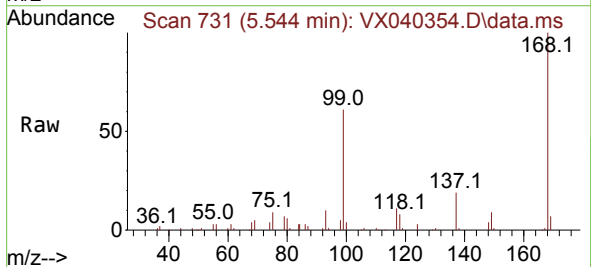
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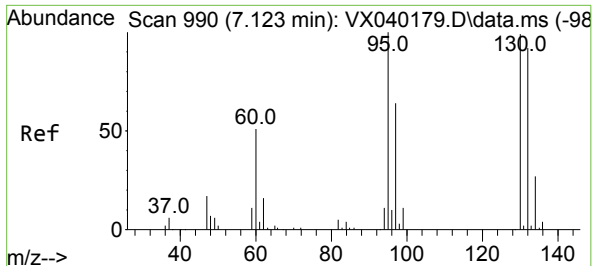
Tgt Ion: 75 Resp: 6953  
Ion Ratio Lower Upper  
75 100  
110 6.8 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.424 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.128 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

Tgt Ion: 117 Resp: 8251  
Ion Ratio Lower Upper  
117 100  
119 6.1 78.2 117.2#  
121 0.0 24.4 36.6#

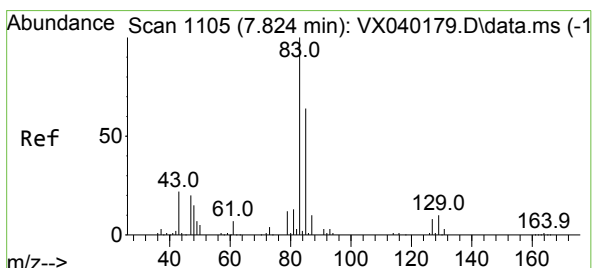
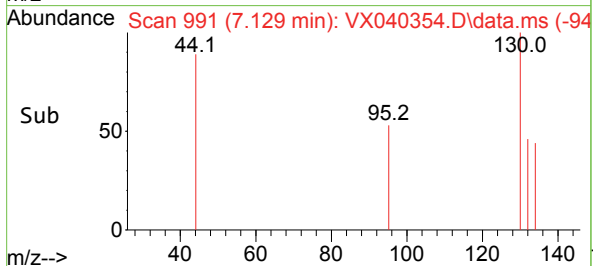
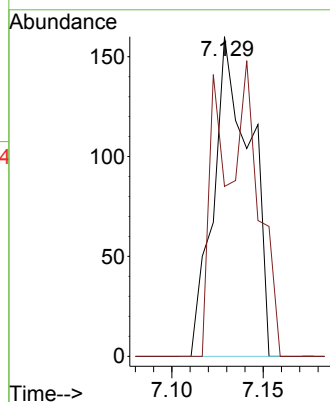
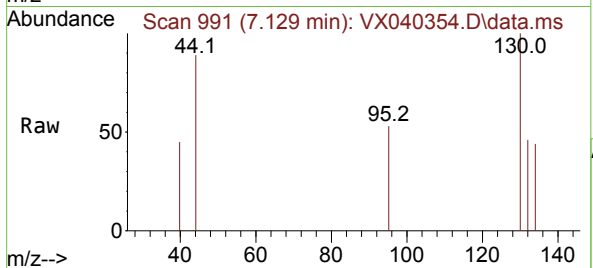




#44  
Trichloroethene  
Concen: 0.216 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

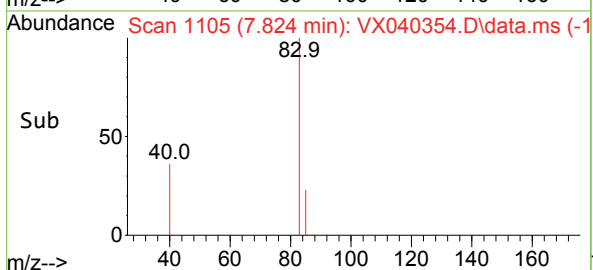
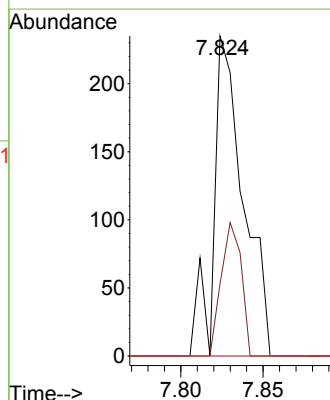
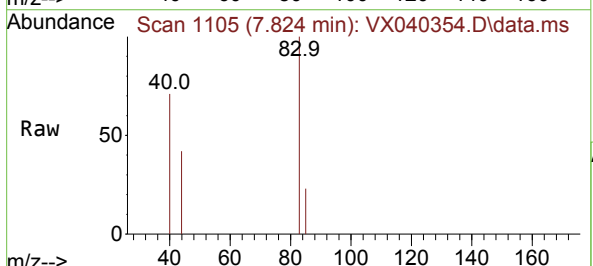
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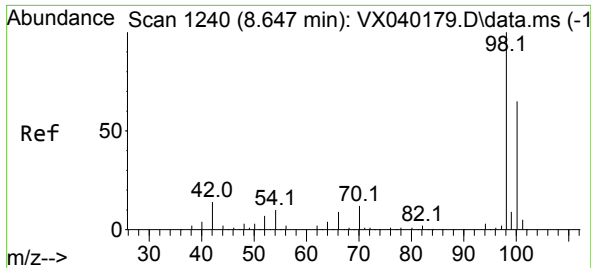
Tgt Ion:130 Resp: 225  
Ion Ratio Lower Upper  
130 100  
95 53.1 0.0 204.4



#47  
Bromodichloromethane  
Concen: 0.212 ug/l  
RT: 7.824 min Scan# 1105  
Delta R.T. 0.000 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

Tgt Ion: 83 Resp: 296  
Ion Ratio Lower Upper  
83 100  
85 22.6 49.8 74.6#  
127 0.0 7.1 10.7#

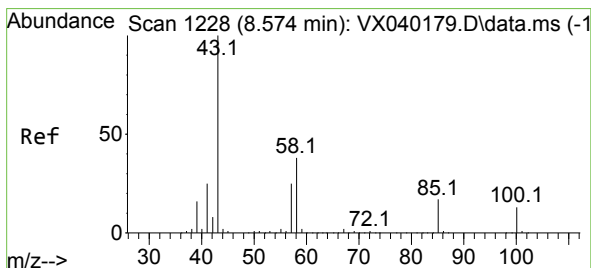
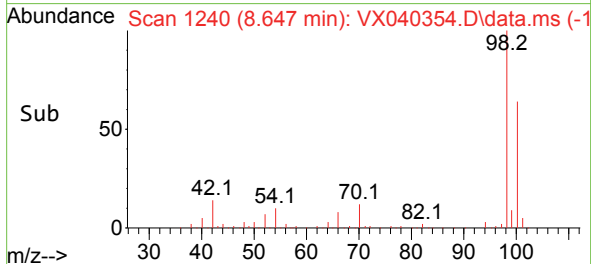
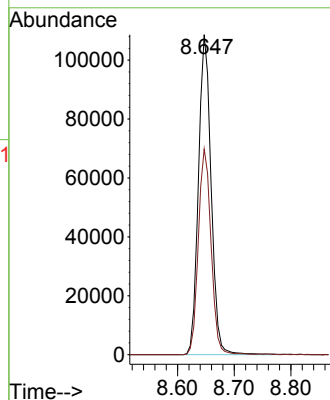
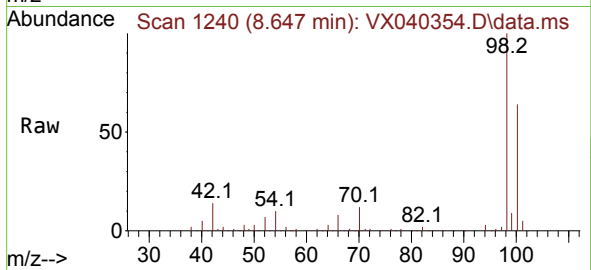




#50  
Toluene-d8  
Concen: 46.730 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

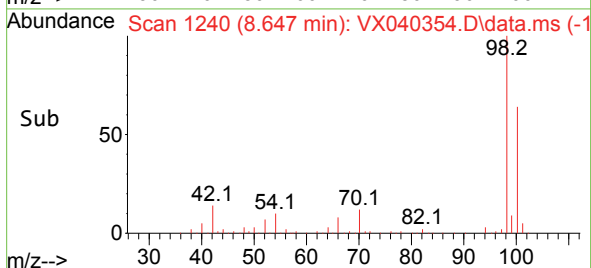
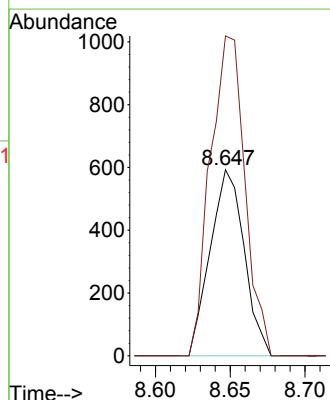
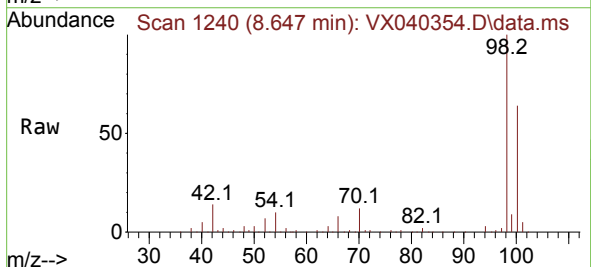
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB020724

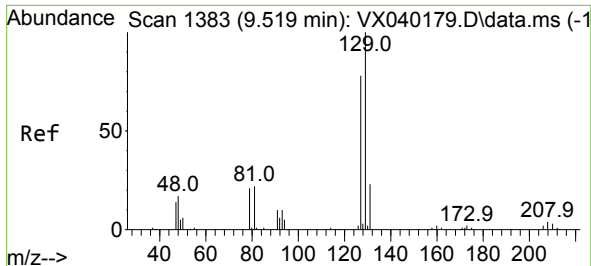
Tgt Ion: 98 Resp: 168576  
Ion Ratio Lower Upper  
98 100  
100 64.5 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.584 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

Tgt Ion: 43 Resp: 936  
Ion Ratio Lower Upper  
43 100  
58 175.3 30.4 45.6#

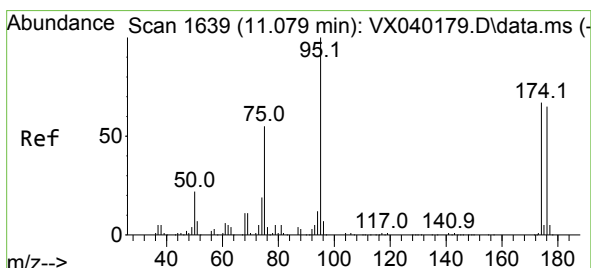
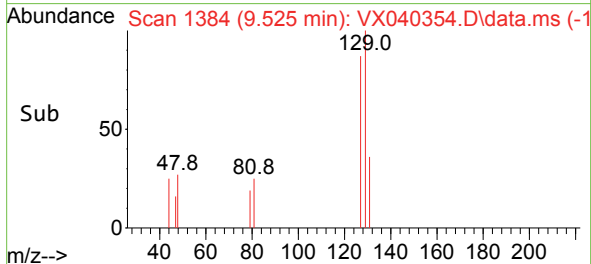
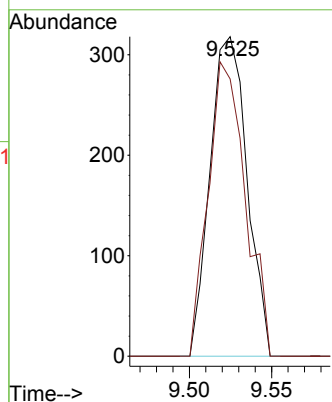
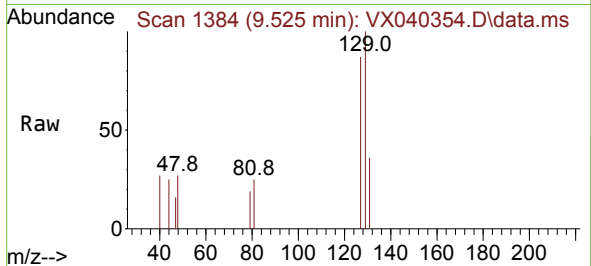




#60  
Dibromochloromethane  
Concen: 0.465 ug/l  
RT: 9.525 min Scan# 1133  
Delta R.T. 0.006 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

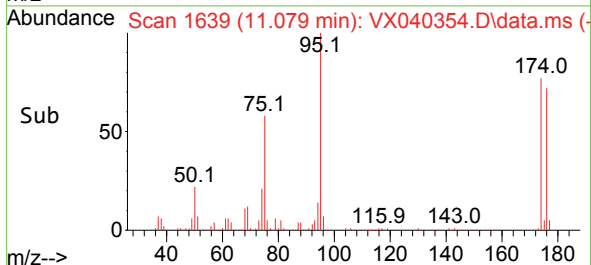
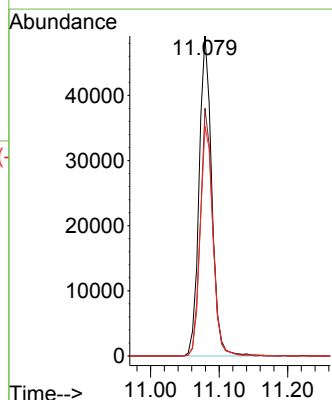
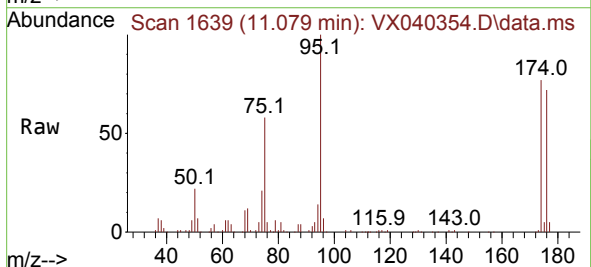
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB020724

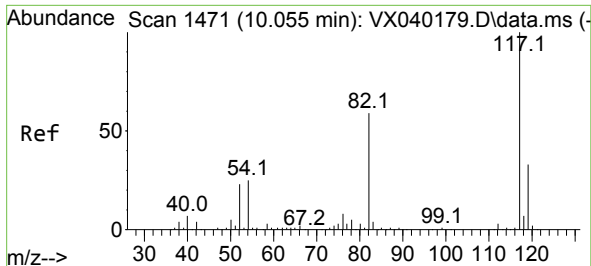
Tgt Ion:129 Resp: 500  
Ion Ratio Lower Upper  
129 100  
127 92.2 38.8 116.4



#62  
4-Bromofluorobenzene  
Concen: 42.920 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

Tgt Ion: 95 Resp: 63146  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 135.6  
176 72.7 0.0 131.0

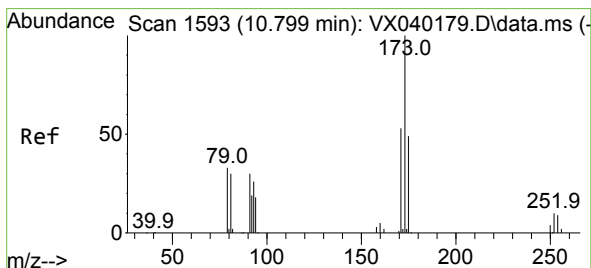
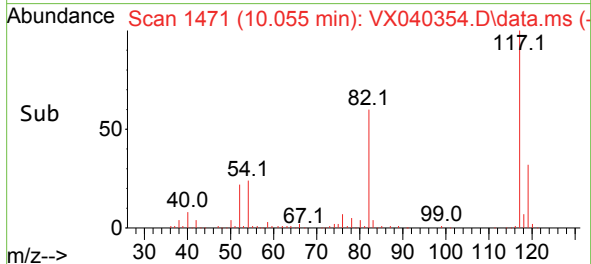
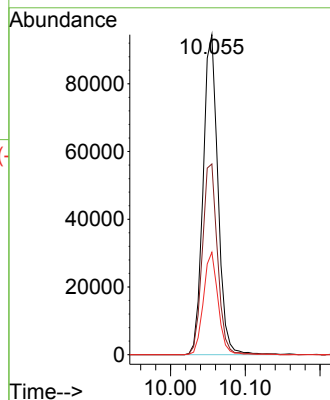
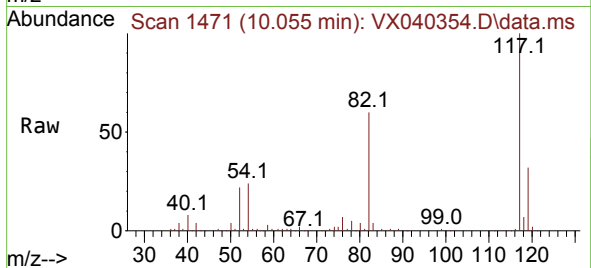




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

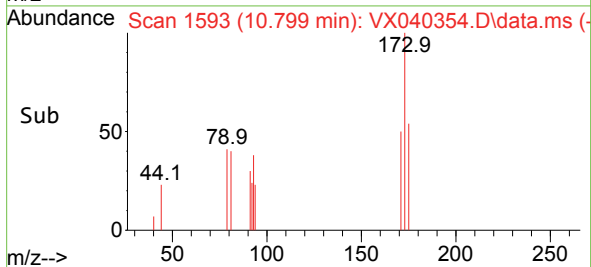
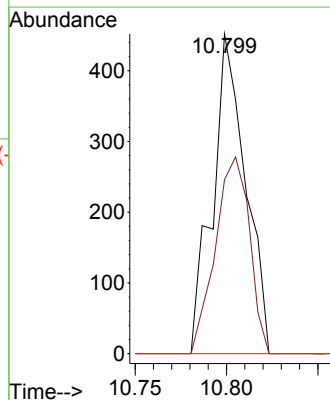
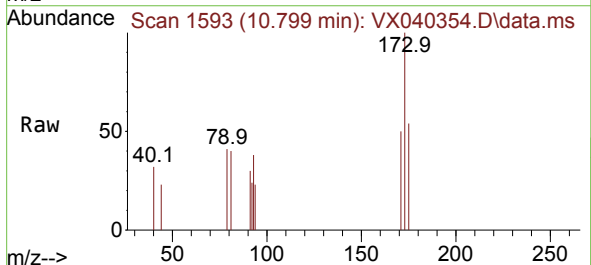
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB020724

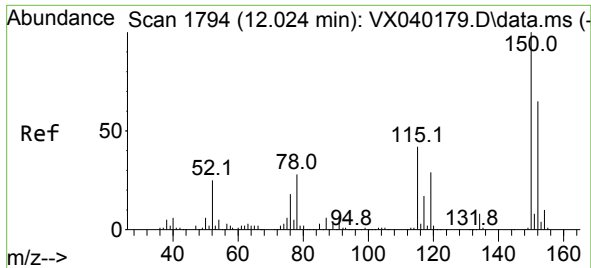
Tgt Ion:117 Resp: 130092  
Ion Ratio Lower Upper  
117 100  
82 59.6 46.2 69.4  
119 32.0 25.5 38.3



#71  
Bromoform  
Concen: 2.686 ug/l  
RT: 10.799 min Scan# 1593  
Delta R.T. -0.000 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

Tgt Ion:173 Resp: 569  
Ion Ratio Lower Upper  
173 100  
175 63.4 24.1 72.4  
254 0.0 0.0 0.0

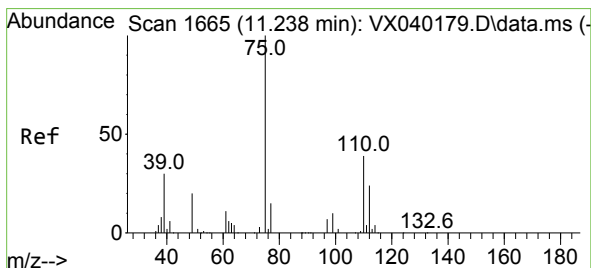
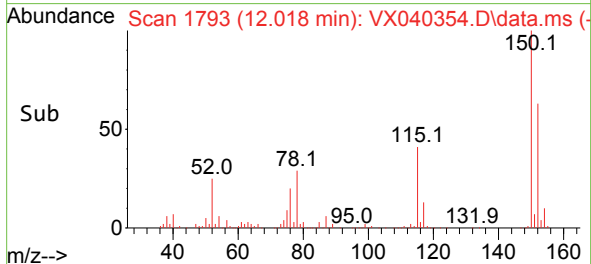
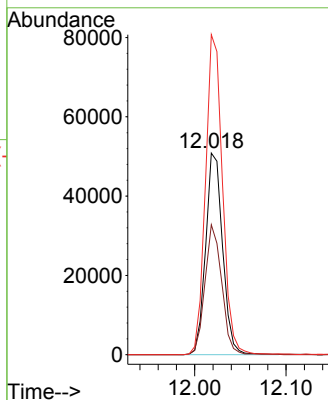
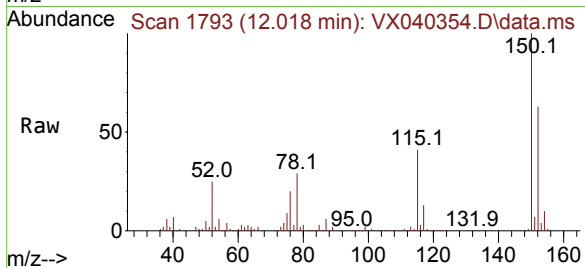




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

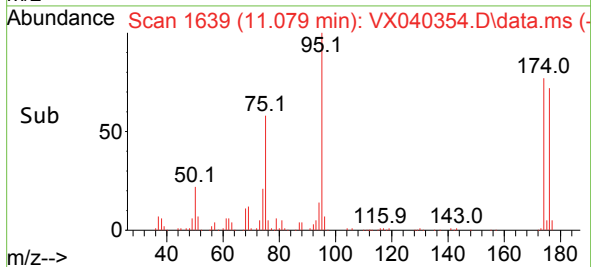
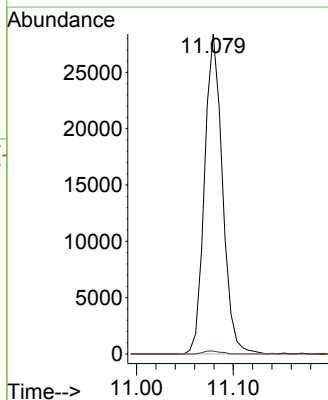
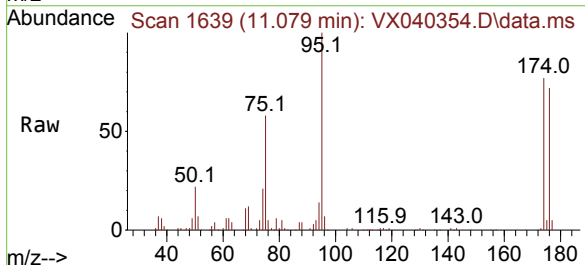
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB020724

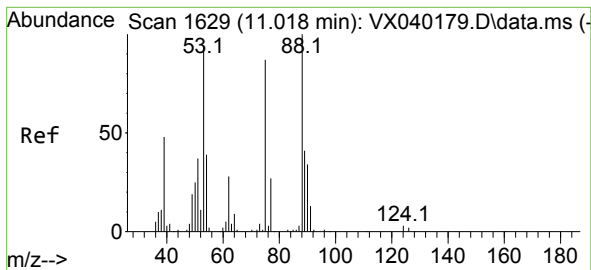
Tgt Ion:152 Resp: 65536  
Ion Ratio Lower Upper  
152 100  
115 63.7 43.3 129.9  
150 158.6 0.0 345.0



#76  
1,2,3-Trichloropropane  
Concen: 27.544 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX040354.D  
Acq: 20 Feb 2024 14:16

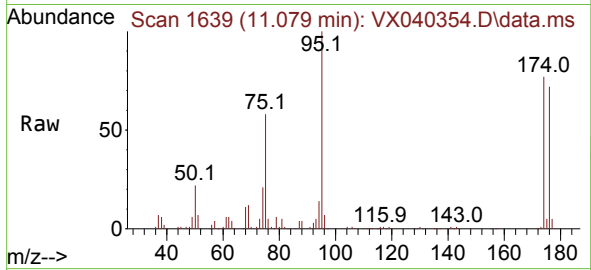
Tgt Ion: 75 Resp: 36555  
Ion Ratio Lower Upper  
75 100  
77 0.9 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 75.406 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX040354.D  
 Acq: 20 Feb 2024 14:16

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB020724



Tgt Ion: 75 Resp: 36555  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.1 36.9 55.3#

