

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012524\  
 Data File : VX039944.D  
 Acq On : 25 Jan 2024 10:49  
 Operator : JC/MD  
 Sample : VX0125MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jan 26 01:28:49 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

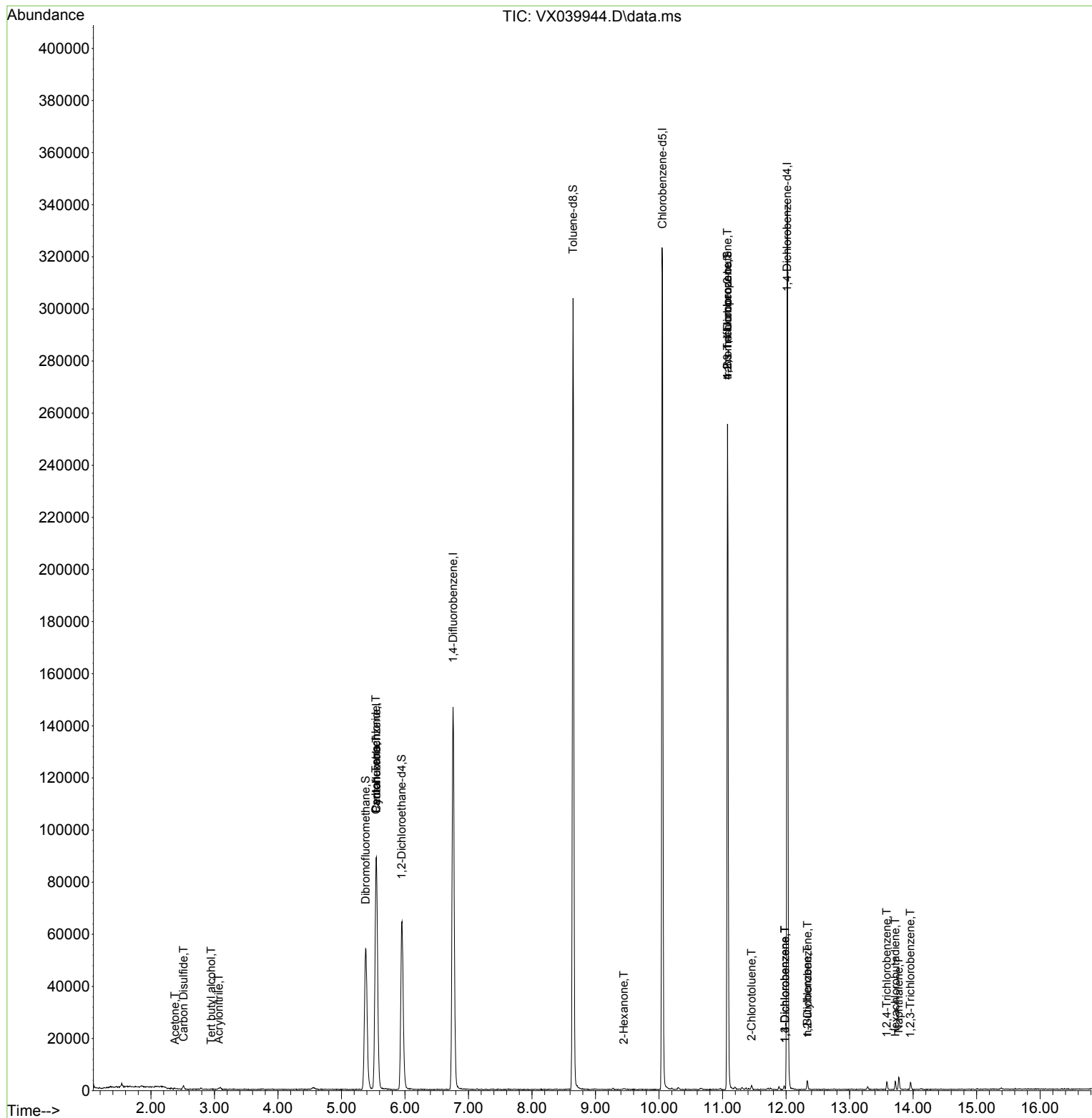
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 77927      | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 141261     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 134528     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 64552      | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.946          | 65   | 63441      | 48.599    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 97.200%   |        |          |
| 35) Dibromofluoromethane      | 5.379          | 113  | 46912      | 49.306    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 98.620%   |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 173937     | 48.471    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 96.940%   |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 67197      | 47.886    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 95.780%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 11) Tert butyl alcohol        | 2.946          | 59   | 162        | 0.477     | ug/l # | 78       |
| 13) Acrolein                  | 2.233          | 56   | 157        | Below Cal | #      | 72       |
| 15) Acrylonitrile             | 3.068          | 53   | 408        | 0.581     | ug/l # | 80       |
| 16) Acetone                   | 2.379          | 43   | 278        | 0.379     | ug/l   | 99       |
| 17) Carbon Disulfide          | 2.514          | 76   | 1584       | 0.588     | ug/l   | 99       |
| 31) Cyclohexane               | 5.550          | 56   | 2491       | 1.446     | ug/l # | 37       |
| 38) Carbon Tetrachloride      | 5.544          | 117  | 9051       | 6.673     | ug/l # | 13       |
| 59) 2-Hexanone                | 9.445          | 43   | 410        | 0.260     | ug/l   | 65       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 38627      | 23.081    | ug/l # | 38       |
| 79) 2-Chlorotoluene           | 11.457         | 91   | 812        | 0.211     | ug/l   | 82       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 38627      | 66.623    | ug/l # | 5        |
| 87) 1,3-Dichlorobenzene       | 11.981         | 146  | 590        | 0.269     | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 11.981         | 146  | 590        | 0.260     | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.335         | 91   | 1437       | 0.344     | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.341         | 146  | 476        | 0.220     | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 13.585         | 180  | 924        | 0.697     | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 13.719         | 225  | 405        | 0.735     | ug/l   | 91       |
| 95) Naphthalene               | 13.774         | 128  | 3730       | 0.765     | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 13.957         | 180  | 726        | 0.543     | ug/l   | 84       |
| -----                         |                |      |            |           |        |          |

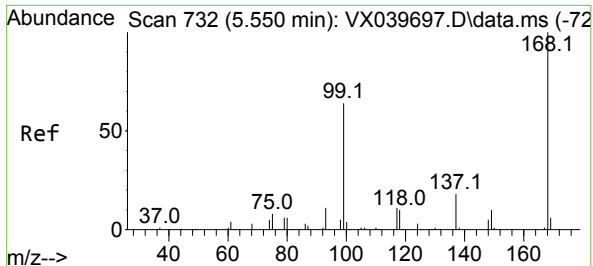
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VX0125MBL01  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jan 26 01:28:49 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



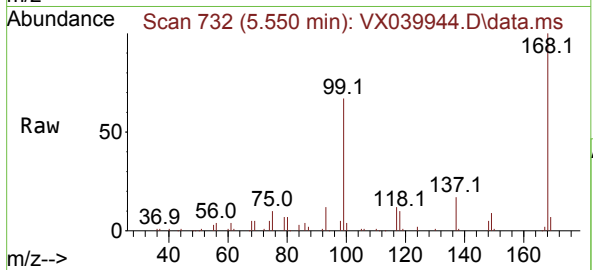


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

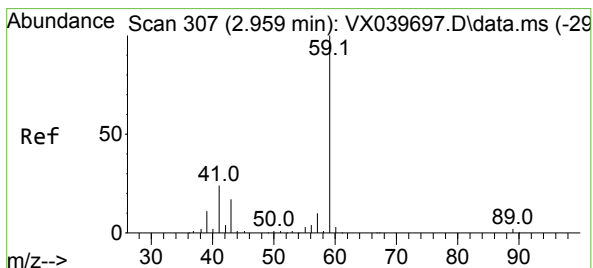
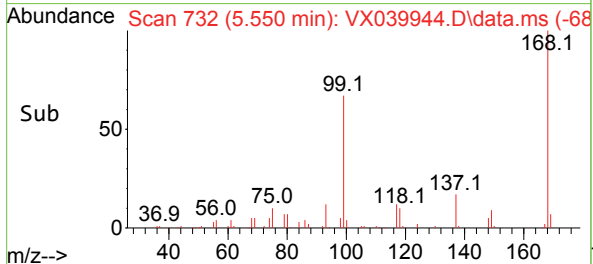
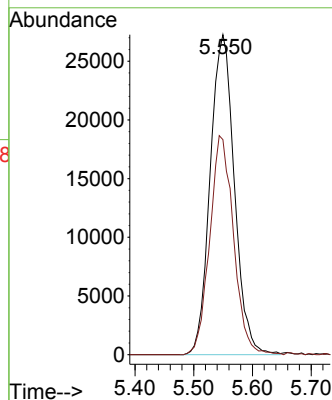
Instrument :

MSVOA\_X

ClientSampleId :

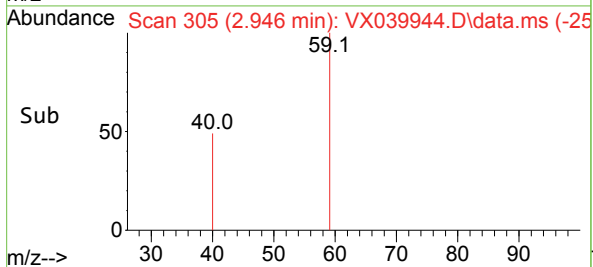
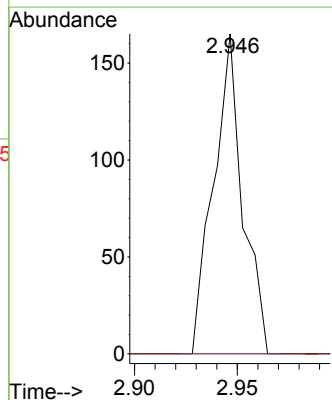
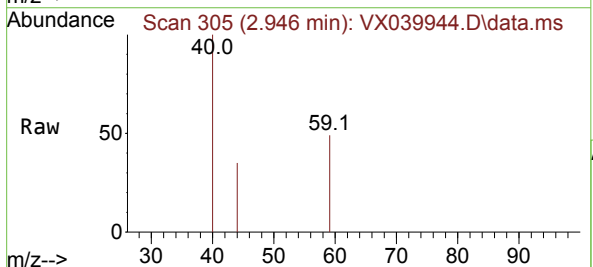


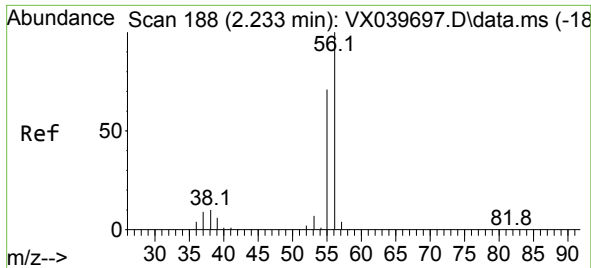
Tgt Ion:168 Resp: 77927  
Ion Ratio Lower Upper  
168 100  
99 67.2 56.6 85.0



#11  
Tert butyl alcohol  
Concen: 0.477 ug/l  
RT: 2.946 min Scan# 305  
Delta R.T. -0.012 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

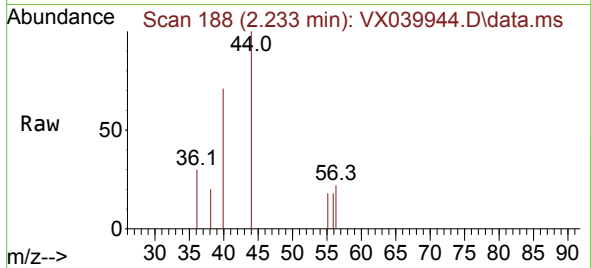
Tgt Ion: 59 Resp: 162  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#



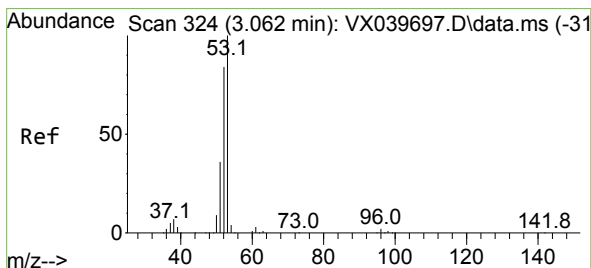
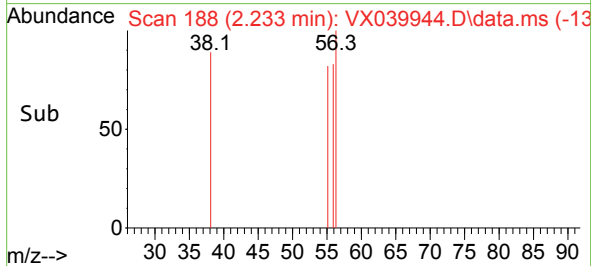
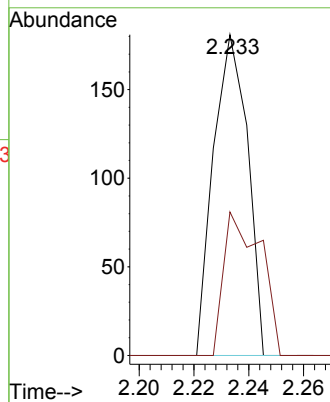


#13  
Acrolein  
Concen: Below Cal  
RT: 2.233 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

Instrument :  
MSVOA\_X  
ClientSampleId :

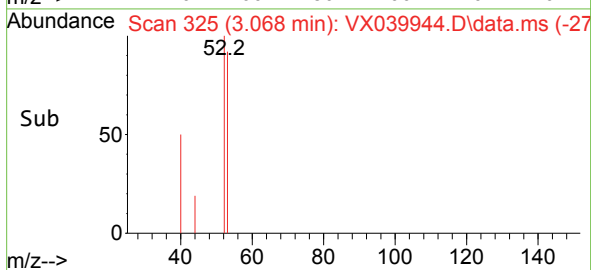
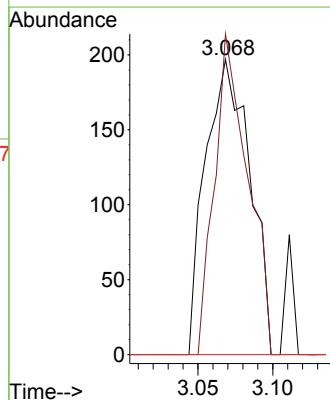
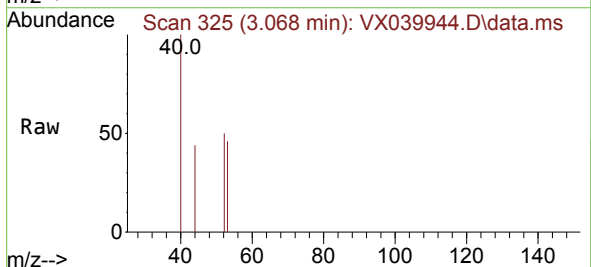


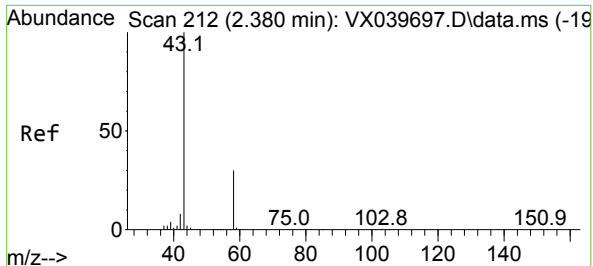
Tgt Ion: 56 Resp: 157  
Ion Ratio Lower Upper  
56 100  
55 48.4 57.1 85.7#



#15  
Acrylonitrile  
Concen: 0.581 ug/l  
RT: 3.068 min Scan# 325  
Delta R.T. 0.006 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

Tgt Ion: 53 Resp: 408  
Ion Ratio Lower Upper  
53 100  
52 81.1 66.0 99.0  
51 0.0 29.8 44.6#

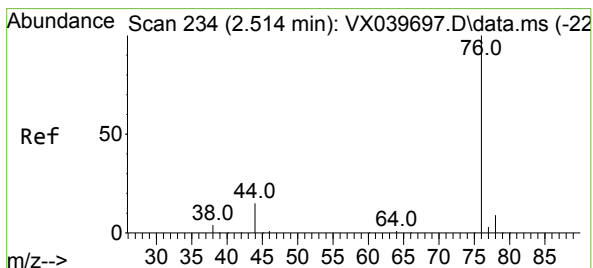
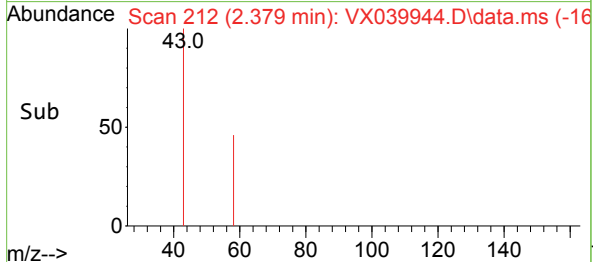
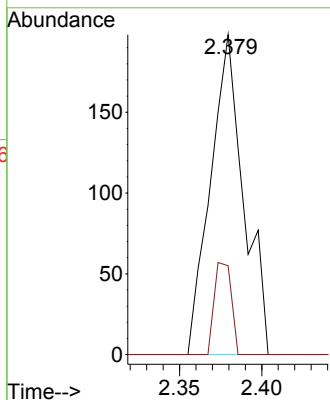
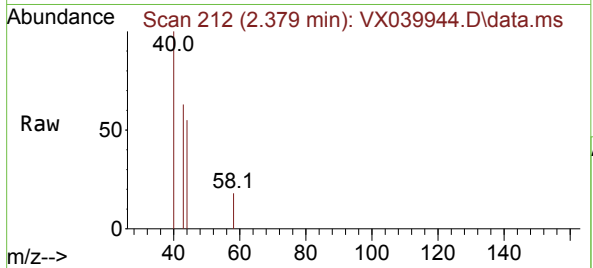




#16  
Acetone  
Concen: 0.379 ug/l  
RT: 2.379 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

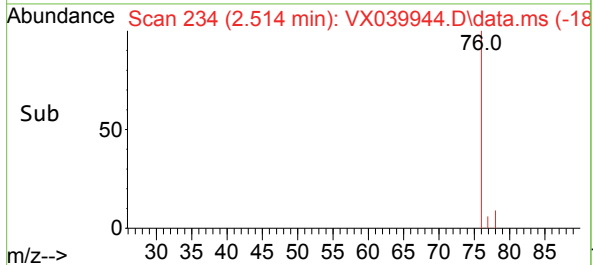
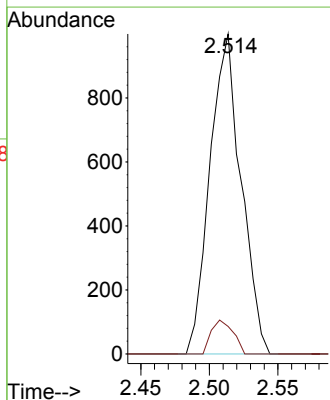
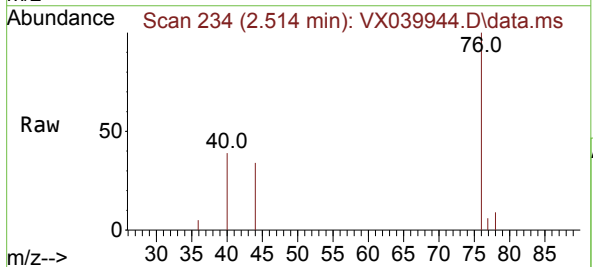
Instrument :  
MSVOA\_X  
ClientSampleId :

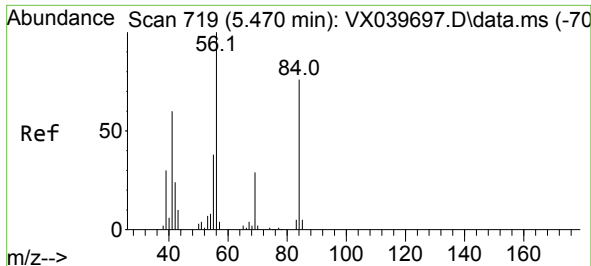
Tgt Ion: 43 Resp: 278  
Ion Ratio Lower Upper  
43 100  
58 27.8 21.9 32.9



#17  
Carbon Disulfide  
Concen: 0.588 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

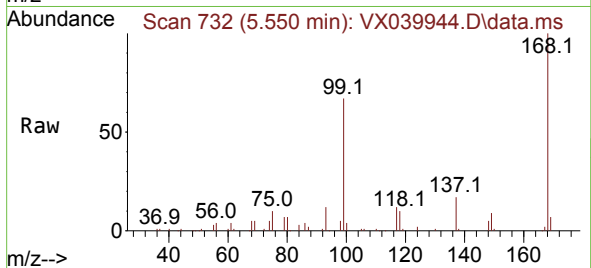
Tgt Ion: 76 Resp: 1584  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.0 10.6



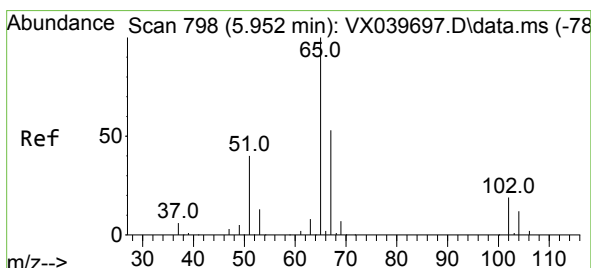
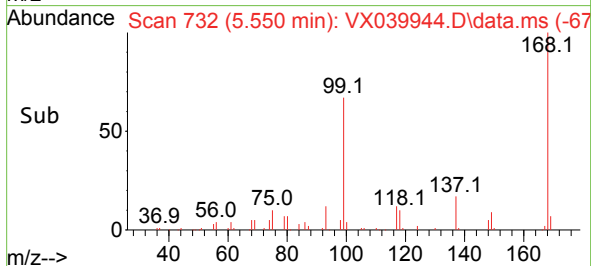
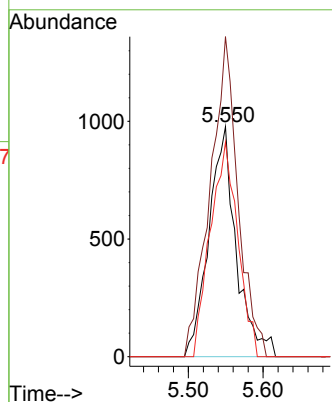


#31  
Cyclohexane  
Concen: 1.446 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

Instrument :  
MSVOA\_X  
ClientSampleId :

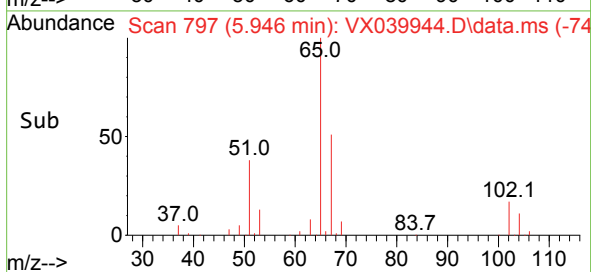
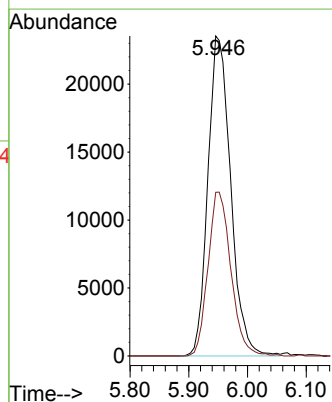
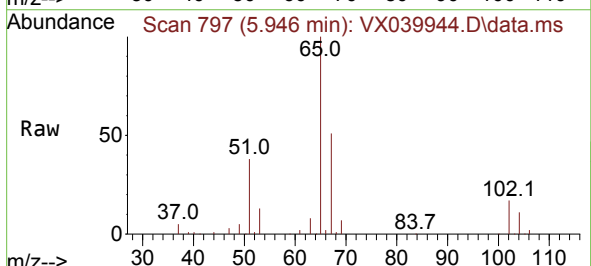


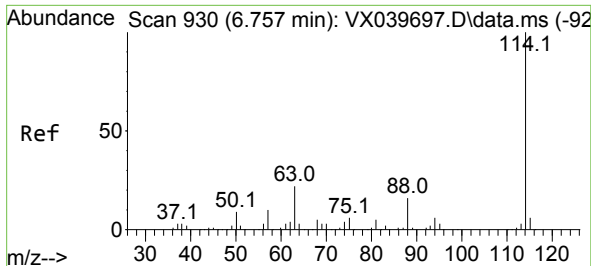
Tgt Ion: 56 Resp: 2491  
Ion Ratio Lower Upper  
56 100  
69 139.1 23.4 35.2#  
84 93.3 65.9 98.9



#33  
1,2-Dichloroethane-d4  
Concen: 48.599 ug/l  
RT: 5.946 min Scan# 797  
Delta R.T. -0.006 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

Tgt Ion: 65 Resp: 63441  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 100.2

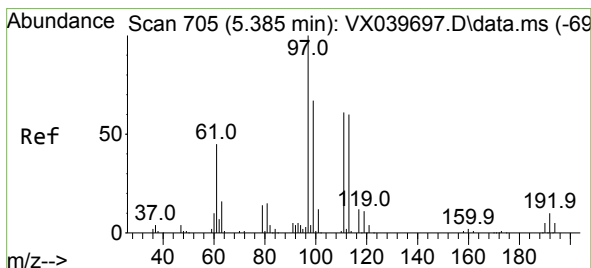
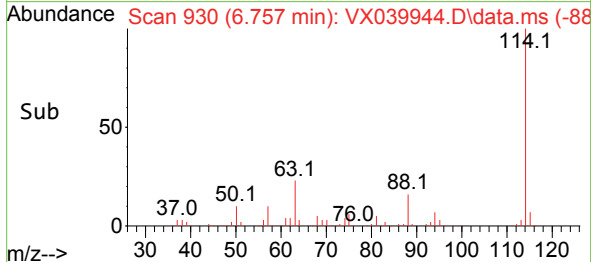
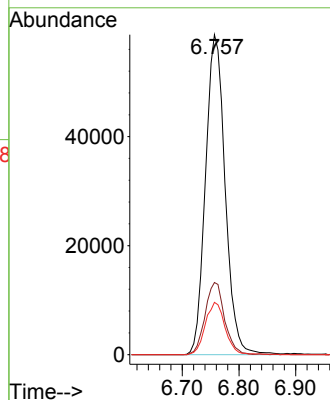
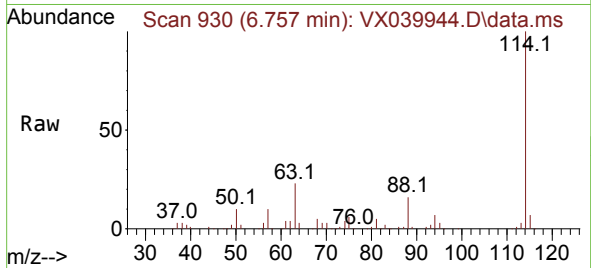




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

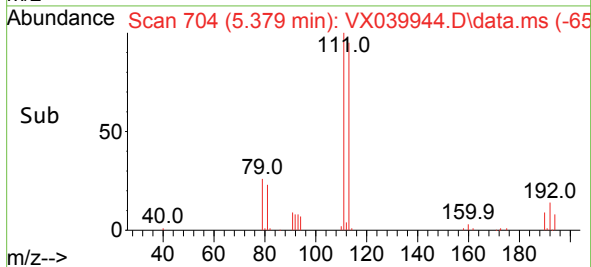
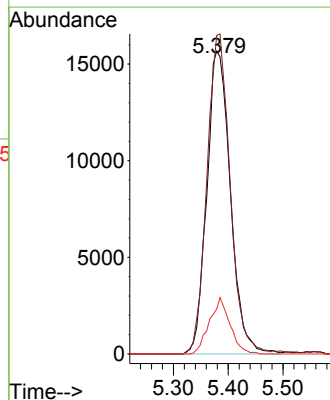
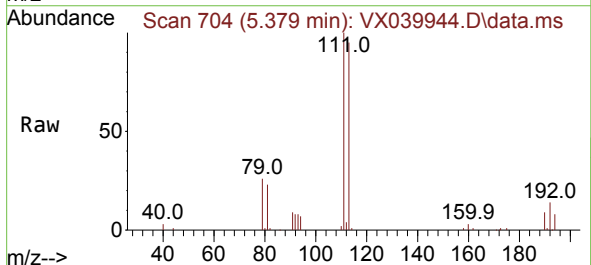
Instrument :  
MSVOA\_X  
ClientSampleId :

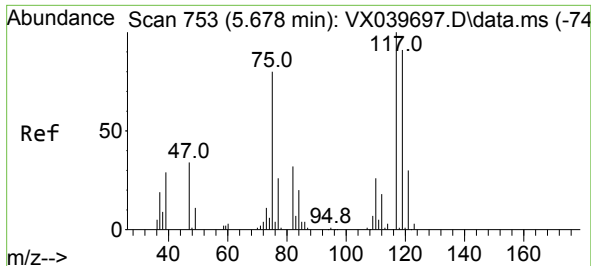
Tgt Ion:114 Resp: 141261  
Ion Ratio Lower Upper  
114 100  
63 22.6 0.0 45.0  
88 16.4 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 49.306 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

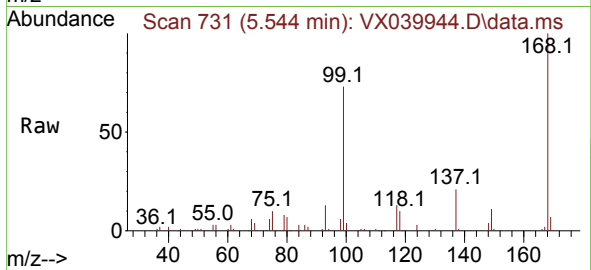
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Ion Ratio Lower Upper  
113 100  
111 103.7 82.9 124.3  
192 16.2 13.3 19.9



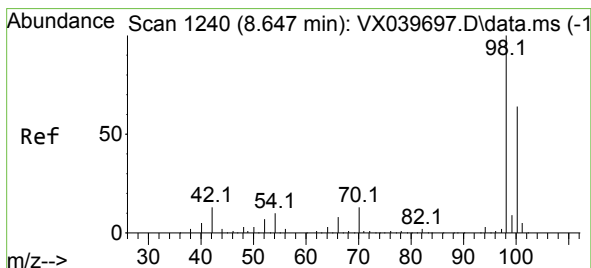
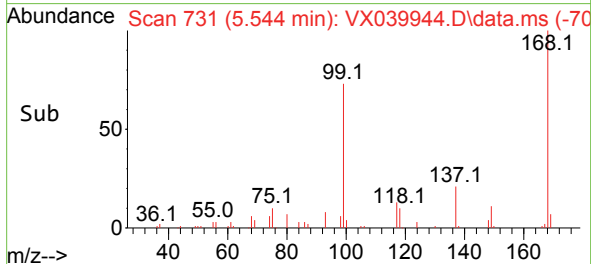
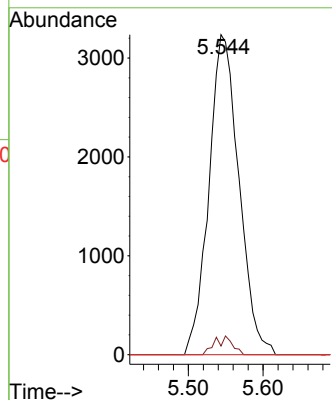


#38  
Carbon Tetrachloride  
Concen: 6.673 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

Instrument :  
MSVOA\_X  
ClientSampleId :

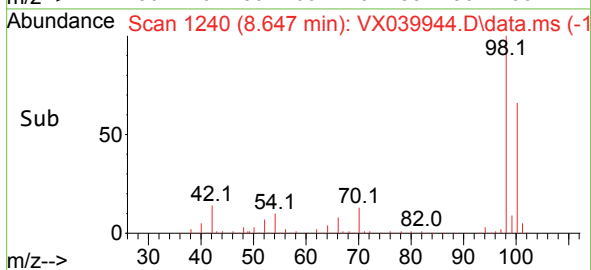
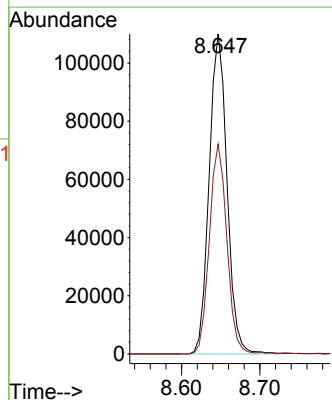
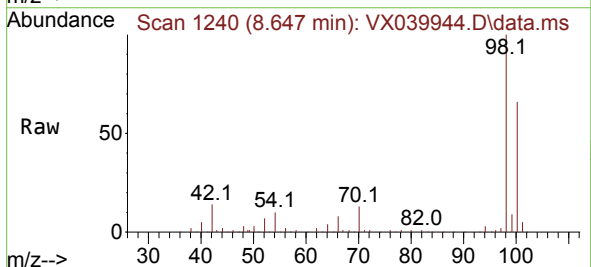


Tgt Ion:117 Resp: 9051  
Ion Ratio Lower Upper  
117 100  
119 2.7 78.2 117.2#  
121 0.0 24.4 36.6#

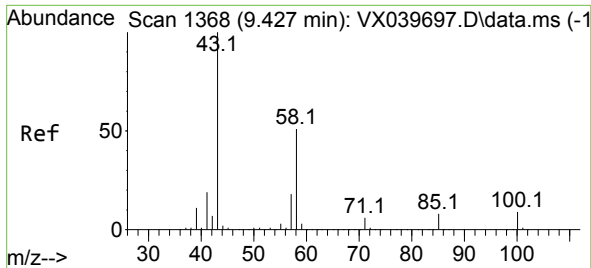


#50  
Toluene-d8  
Concen: 48.471 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

Tgt Ion: 98 Resp: 173937  
Ion Ratio Lower Upper  
98 100  
100 64.7 53.1 79.7



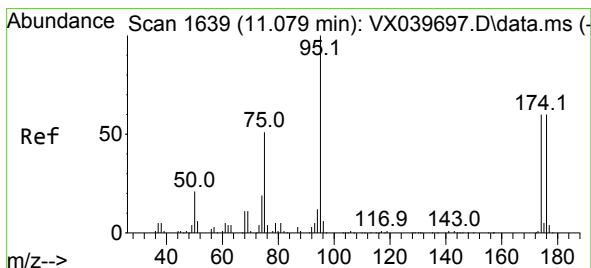
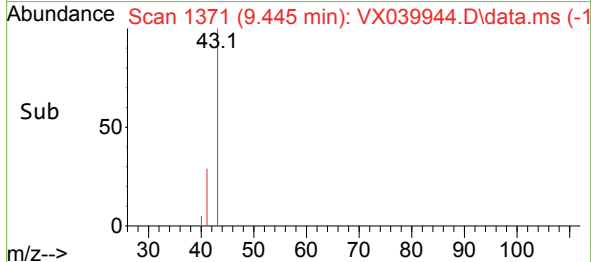
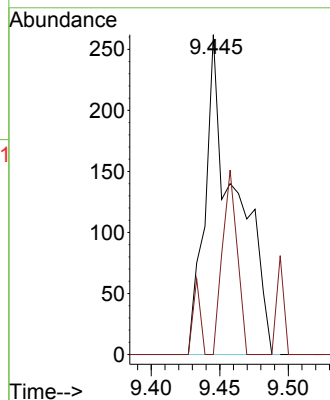
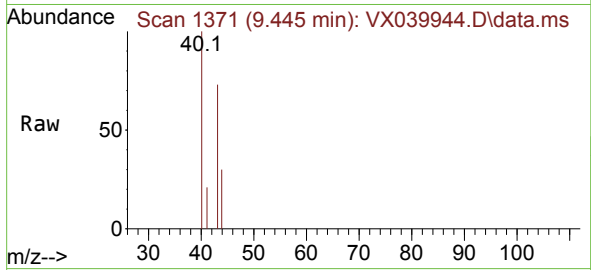




#59  
2-Hexanone  
Concen: 0.260 ug/l  
RT: 9.445 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

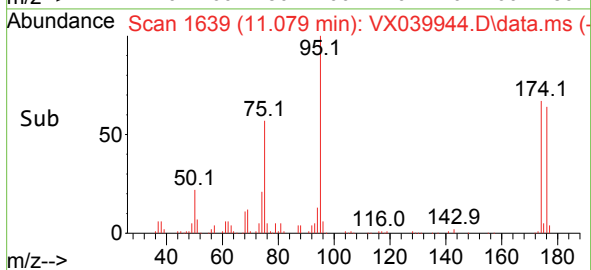
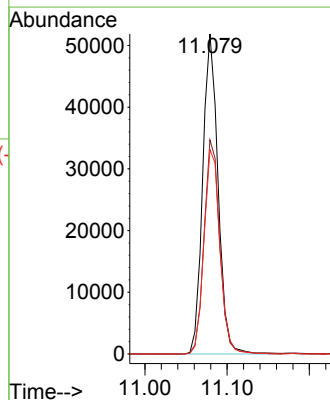
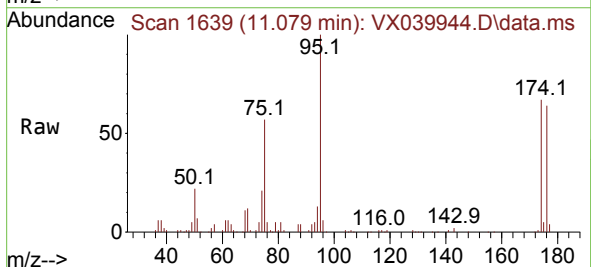
Instrument :  
MSVOA\_X  
ClientSampleId :

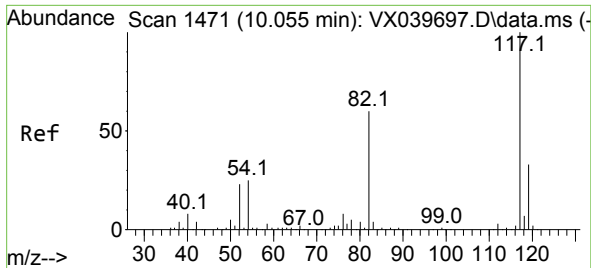
Tgt Ion: 43 Resp: 410  
Ion Ratio Lower Upper  
43 100  
58 27.6 26.2 78.5



#62  
4-Bromofluorobenzene  
Concen: 47.886 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

Tgt Ion: 95 Resp: 67197  
Ion Ratio Lower Upper  
95 100  
174 68.0 0.0 135.6  
176 66.2 0.0 131.0

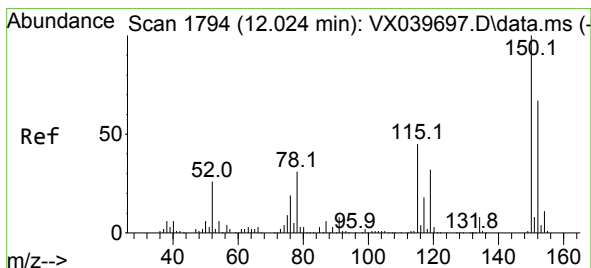
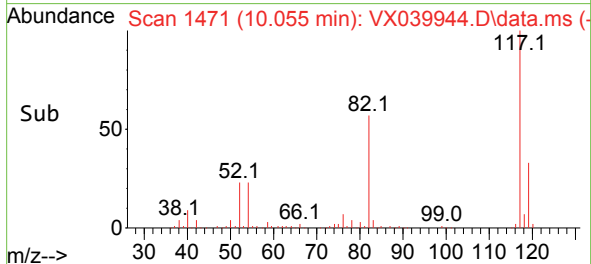
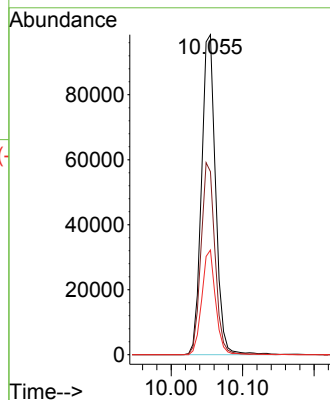
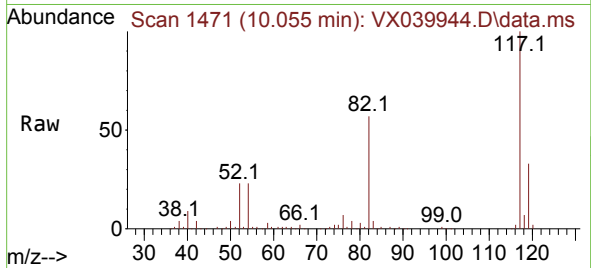




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

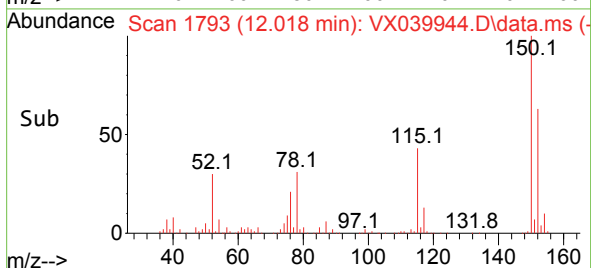
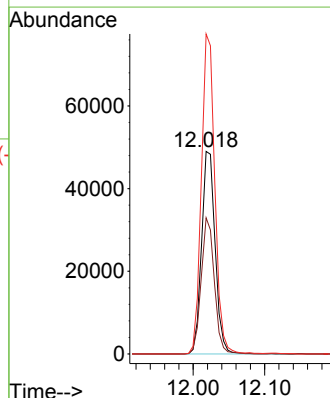
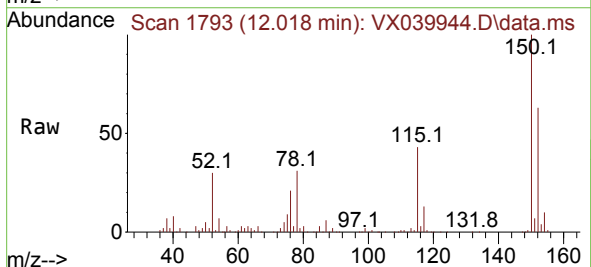
Instrument :  
MSVOA\_X  
ClientSampleId :

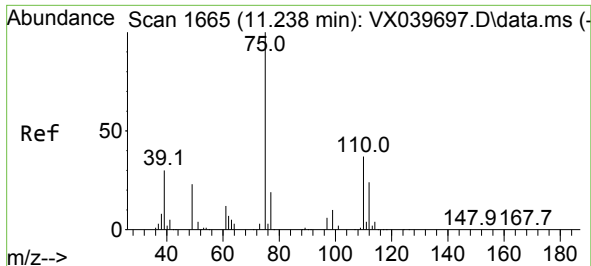
Tgt Ion:117 Resp: 134528  
Ion Ratio Lower Upper  
117 100  
82 57.2 46.2 69.4  
119 32.7 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

Tgt Ion:152 Resp: 64552  
Ion Ratio Lower Upper  
152 100  
115 65.2 43.3 129.9  
150 156.6 0.0 345.0

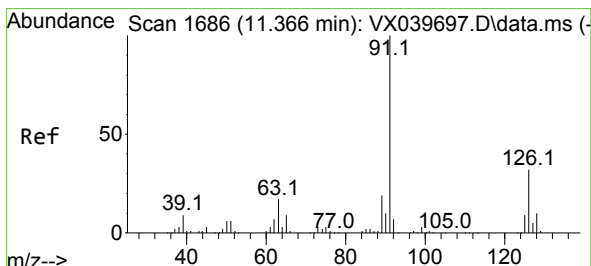
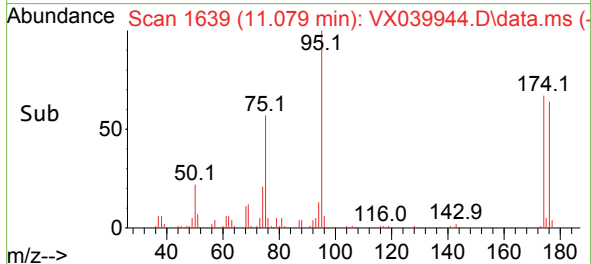
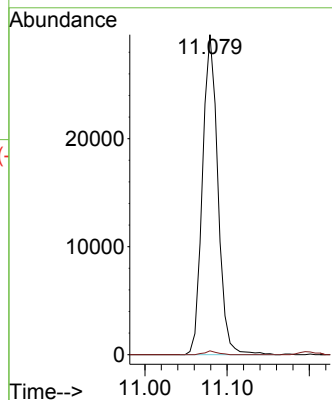
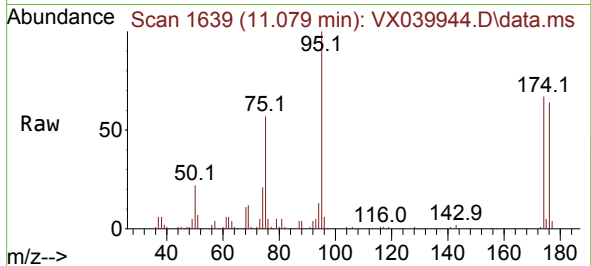




#76  
1,2,3-Trichloropropane  
Concen: 23.081 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. -0.159 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

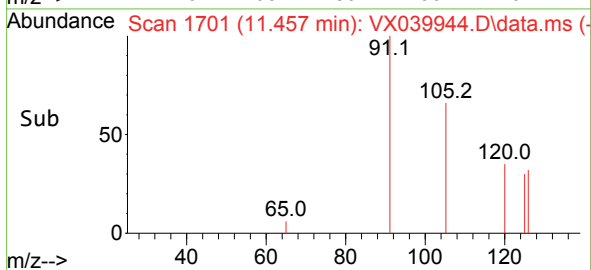
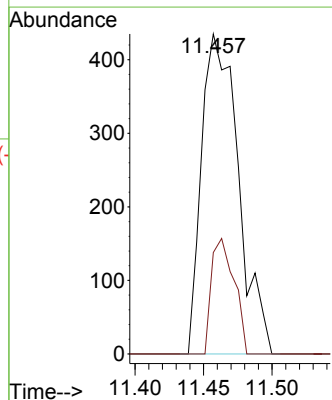
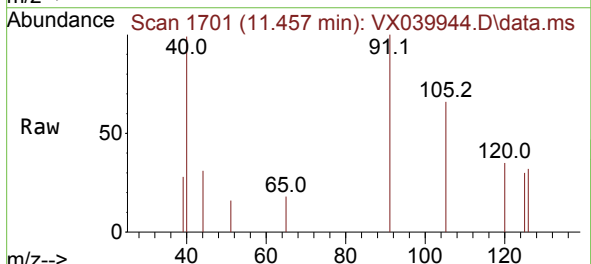
Instrument :  
MSVOA\_X  
ClientSampleId :

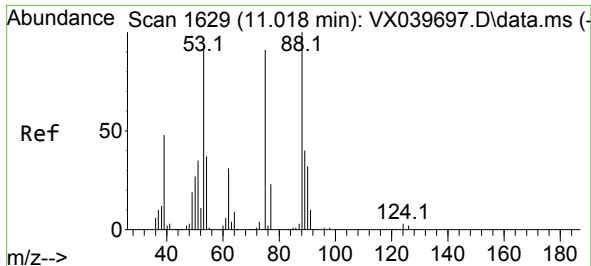
Tgt Ion: 75 Resp: 38627  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.1 57.5#



#79  
2-Chlorotoluene  
Concen: 0.211 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.091 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

Tgt Ion: 91 Resp: 812  
Ion Ratio Lower Upper  
91 100  
126 22.3 16.3 48.8

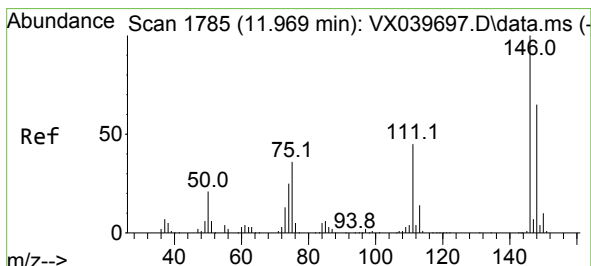
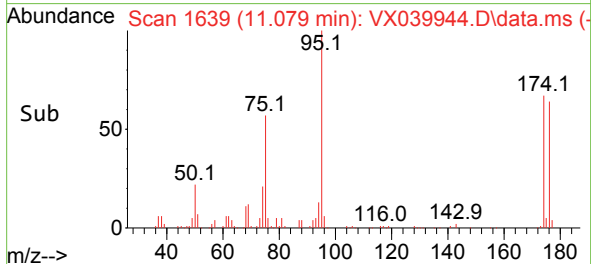
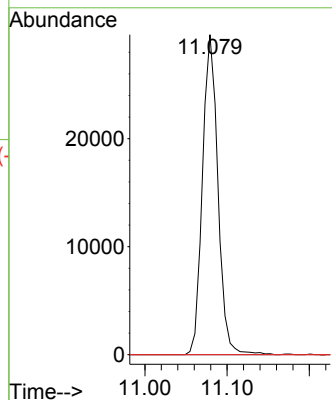
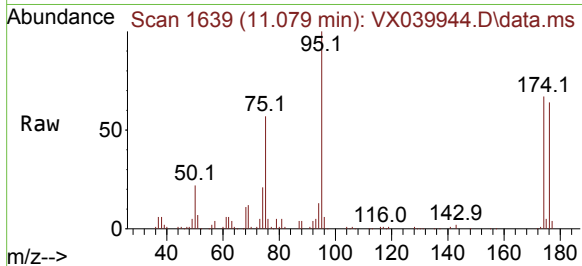




#81  
trans-1,4-Dichloro-2-butene  
Concen: 66.623 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

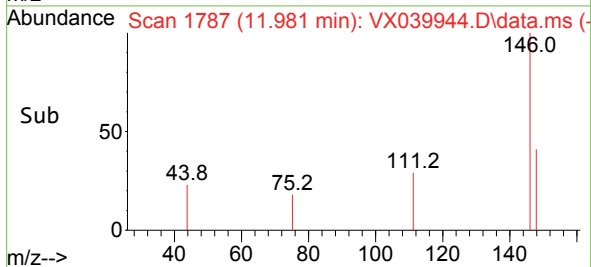
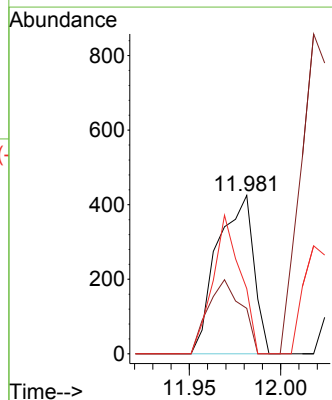
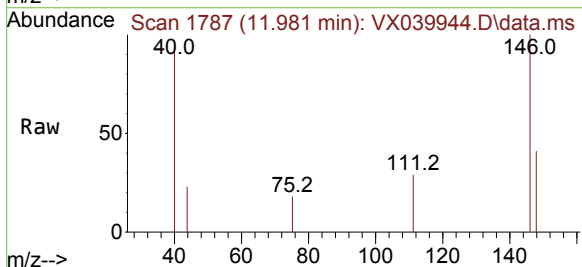
Instrument :  
MSVOA\_X  
ClientSampleId :

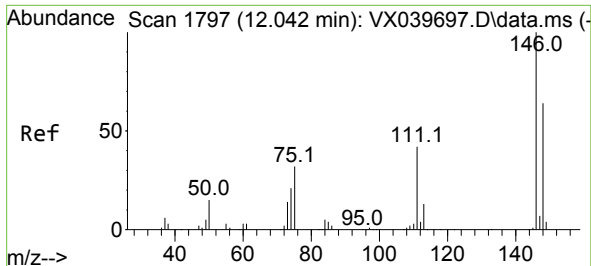
Tgt Ion: 75 Resp: 38627  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#



#87  
1,3-Dichlorobenzene  
Concen: 0.269 ug/l  
RT: 11.981 min Scan# 1787  
Delta R.T. 0.012 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

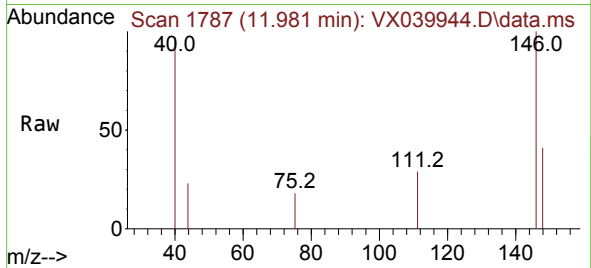
Tgt Ion:146 Resp: 590  
Ion Ratio Lower Upper  
146 100  
111 43.9 22.1 66.1  
148 66.9 31.8 95.3



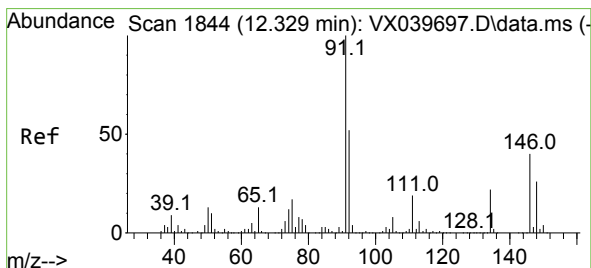
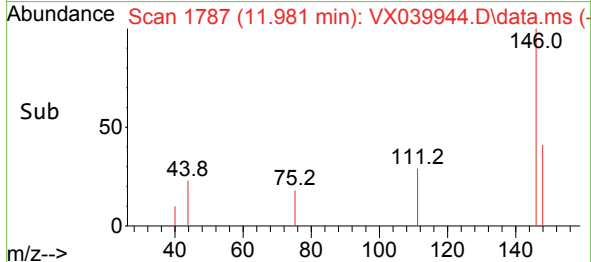
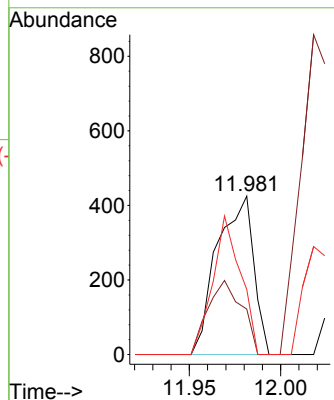


#88  
1,4-Dichlorobenzene  
Concen: 0.260 ug/l  
RT: 11.981 min Scan# 11  
Delta R.T. -0.061 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

Instrument :  
MSVOA\_X  
ClientSampleId :

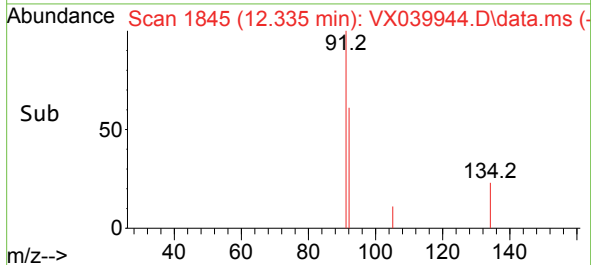
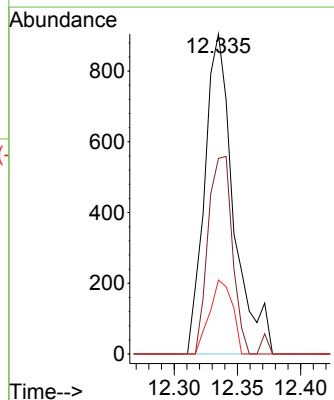
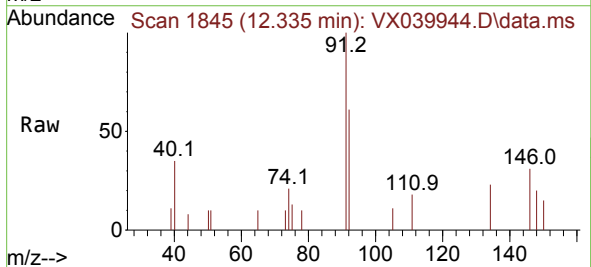


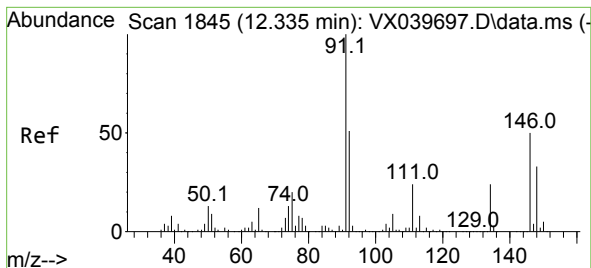
Tgt Ion:146 Resp: 590  
Ion Ratio Lower Upper  
146 100  
111 43.9 21.3 63.7  
148 66.9 31.8 95.4



#89  
n-Butylbenzene  
Concen: 0.344 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.006 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

Tgt Ion: 91 Resp: 1437  
Ion Ratio Lower Upper  
91 100  
92 51.8 27.4 82.0  
134 18.2 12.6 37.8





#91

1,2-Dichlorobenzene

Concen: 0.220 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX039944.D

Acq: 25 Jan 2024 10:49

Instrument :

MSVOA\_X

ClientSampleId :

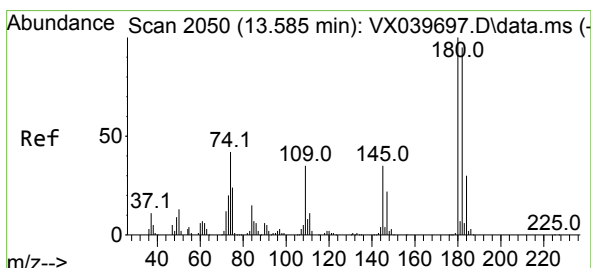
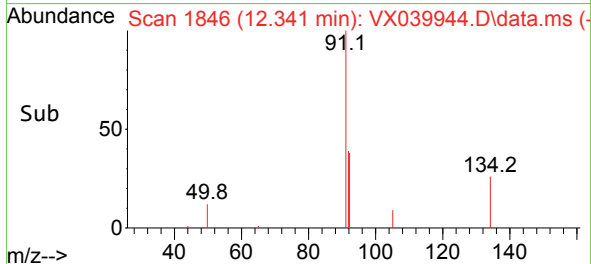
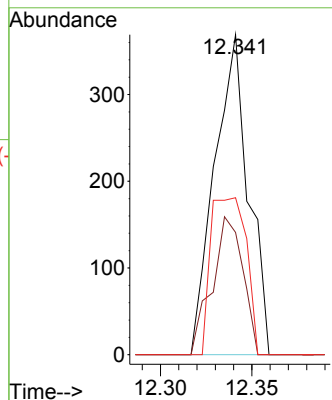
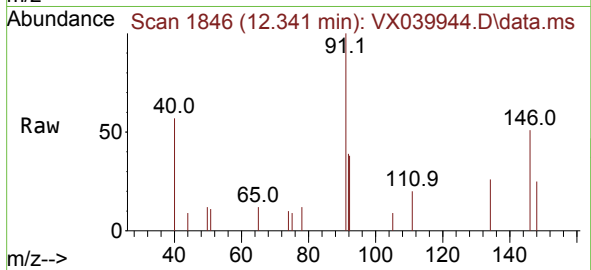
Tgt Ion:146 Resp: 476

Ion Ratio Lower Upper

146 100

111 39.3 22.4 67.0

148 51.5 31.6 95.0



#93

1,2,4-Trichlorobenzene

Concen: 0.697 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX039944.D

Acq: 25 Jan 2024 10:49

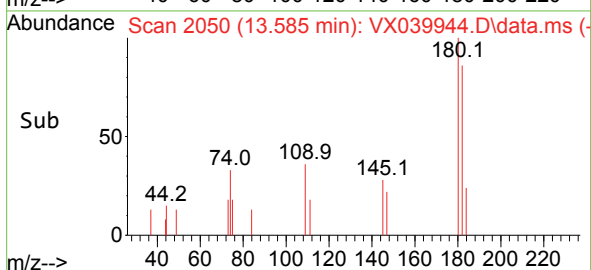
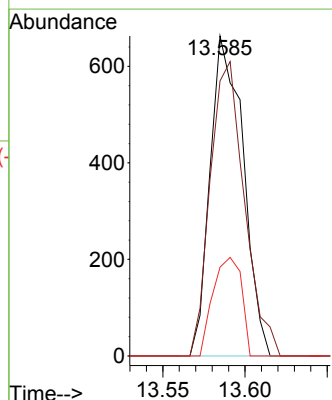
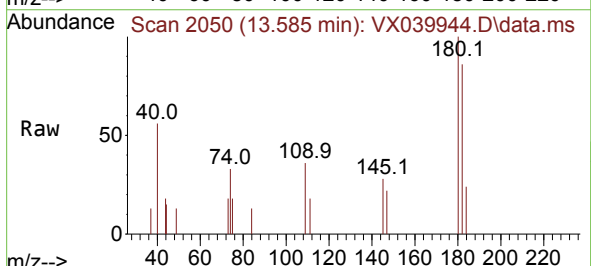
Tgt Ion:180 Resp: 924

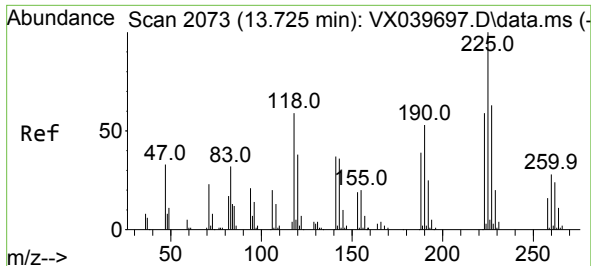
Ion Ratio Lower Upper

180 100

182 95.3 48.3 144.8

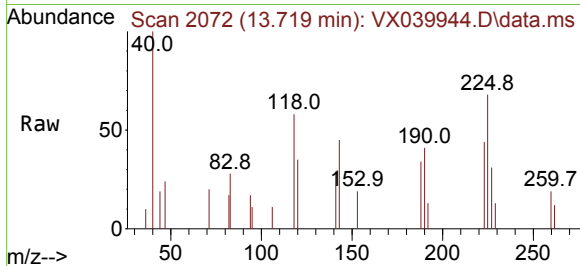
145 26.5 18.0 54.0



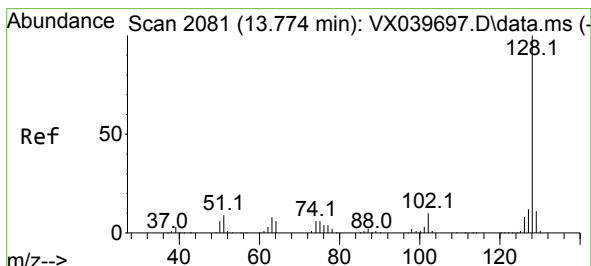
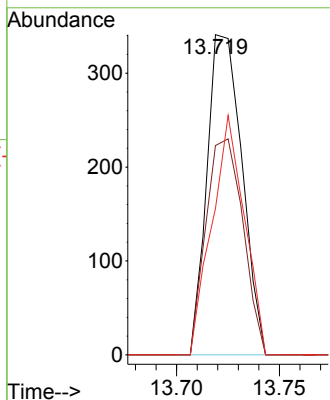
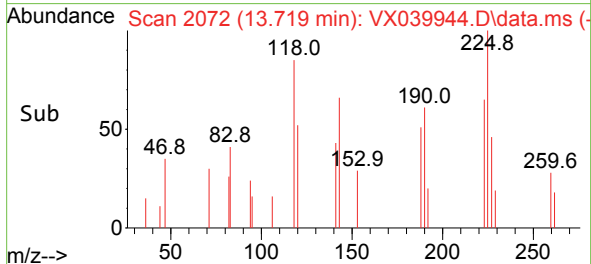


#94  
Hexachlorobutadiene  
Concen: 0.735 ug/l  
RT: 13.719 min Scan# 2072  
Delta R.T. -0.006 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49

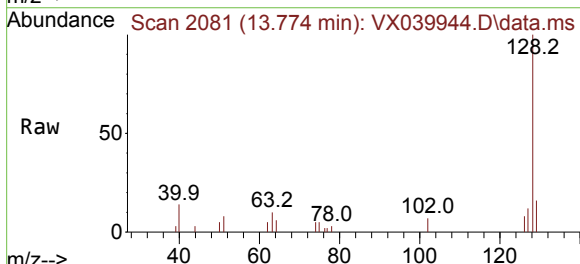
Instrument :  
MSVOA\_X  
ClientSampleId :



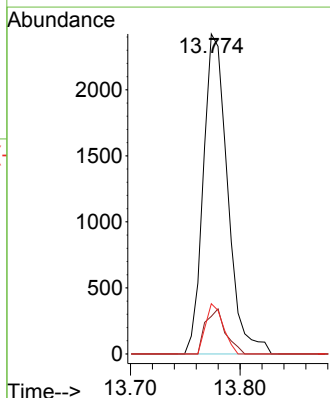
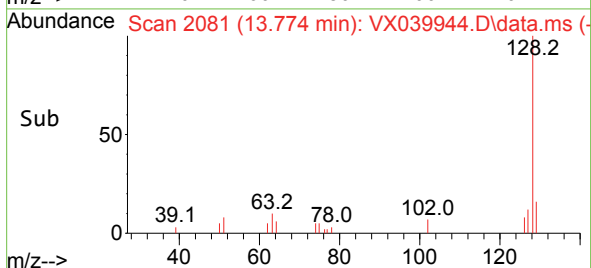
|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 225  | Resp: | 405   |
| Ion Ratio | 100  | Lower | Upper |
| 223       | 70.9 | 31.1  | 93.2  |
| 227       | 69.6 | 32.5  | 97.5  |

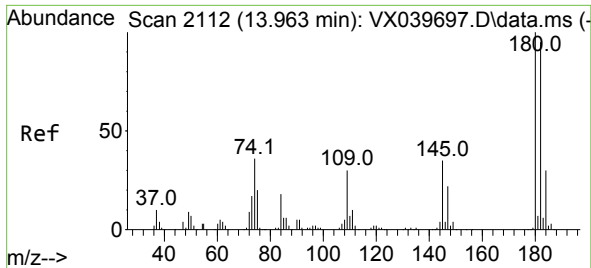


#95  
Naphthalene  
Concen: 0.765 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX039944.D  
Acq: 25 Jan 2024 10:49



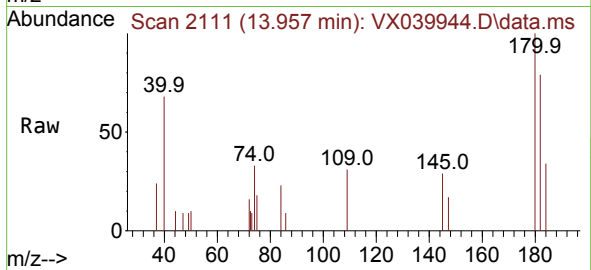
|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 128  | Resp: | 3730  |
| Ion Ratio | 100  | Lower | Upper |
| 127       | 11.5 | 10.3  | 15.5  |
| 129       | 11.3 | 8.8   | 13.2  |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.543 ug/l  
 RT: 13.957 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VX039944.D  
 Acq: 25 Jan 2024 10:49

Instrument :  
 MSVOA\_X  
 ClientSampleId :



|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 726         |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 112.9 | 46.9 140.6  |
| 145         | 33.2  | 17.8 53.5   |

