

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX013124\  
 Data File : VX040035.D  
 Acq On : 31 Jan 2024 10:07  
 Operator : JC/MD  
 Sample : VX0131MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0131MBL01

Quant Time: Feb 01 04:19:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X013024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 31 07:12:04 2024  
 Response via : Initial Calibration

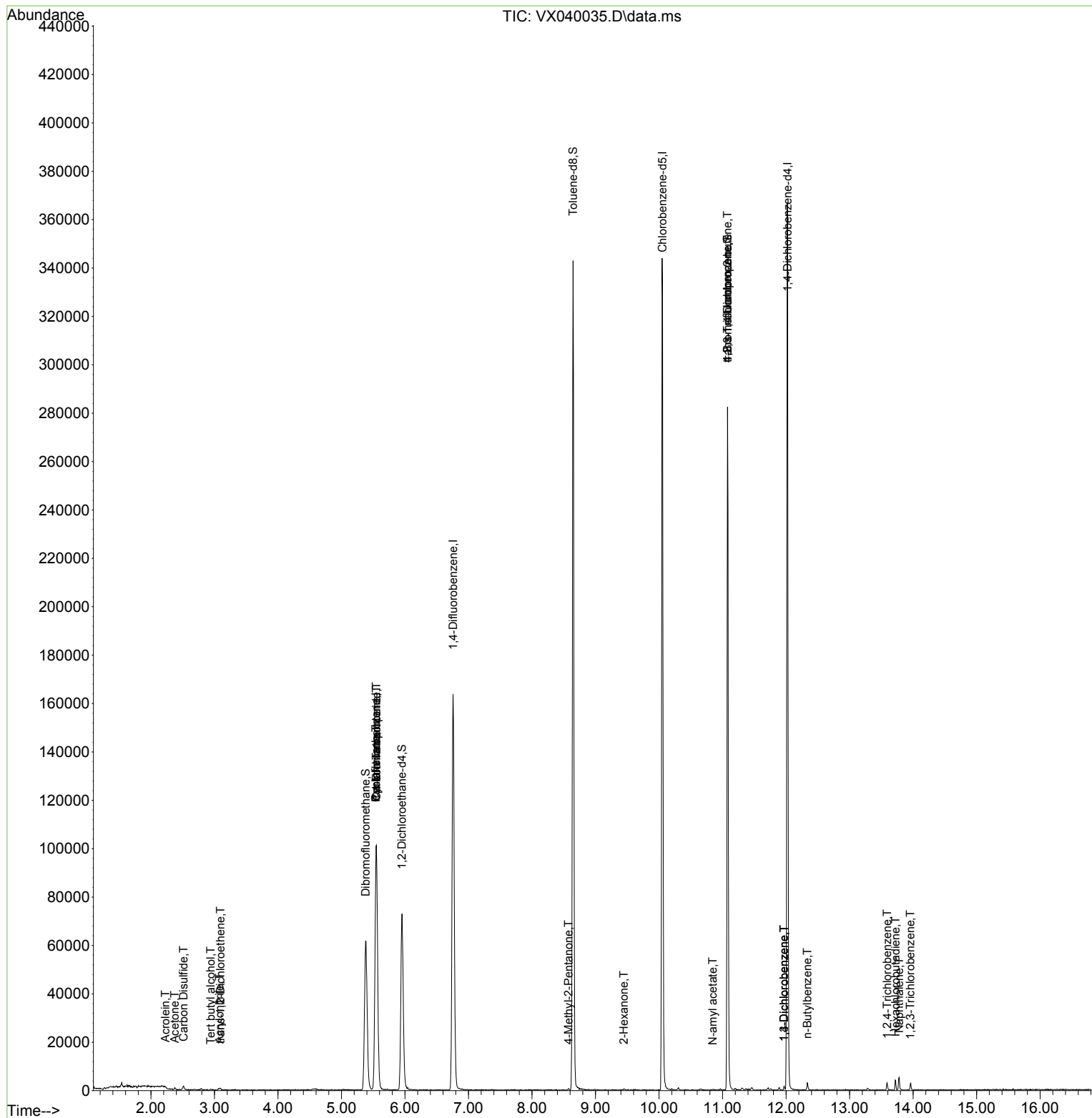
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.544          | 168  | 89388      | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 160923     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 151619     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 72974      | 50.000  | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 69800      | 48.520  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 97.040% |        |          |
| 35) Dibromofluoromethane      | 5.379          | 113  | 53047      | 48.424  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 96.840% |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 195432     | 47.705  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 95.400% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 74195      | 47.035  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 94.060% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 11) Tert butyl alcohol        | 2.940          | 59   | 327        | 1.253   | ug/l # | 78       |
| 13) Acrolein                  | 2.227          | 56   | 124        | 0.496   | ug/l # | 45       |
| 15) Acrylonitrile             | 3.081          | 53   | 473        | 0.723   | ug/l   | 88       |
| 16) Acetone                   | 2.373          | 43   | 587        | 0.871   | ug/l   | 90       |
| 17) Carbon Disulfide          | 2.514          | 76   | 1790       | 0.609   | ug/l # | 83       |
| 21) trans-1,2-Dichloroethene  | 3.093          | 96   | 240        | 0.217   | ug/l # | 44       |
| 31) Cyclohexane               | 5.544          | 56   | 2677       | 1.486   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 8483       | 5.354   | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 10194      | 6.725   | ug/l # | 14       |
| 51) 4-Methyl-2-Pentanone      | 8.574          | 43   | 483        | 0.259   | ug/l # | 64       |
| 59) 2-Hexanone                | 9.445          | 43   | 640        | 0.431   | ug/l # | 62       |
| 74) N-amyl acetate            | 10.848         | 43   | 250        | 0.304   | ug/l # | 44       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 41336      | 26.600  | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 41336      | 77.854  | ug/l # | 5        |
| 87) 1,3-Dichlorobenzene       | 11.969         | 146  | 549        | 0.225   | ug/l   | 91       |
| 88) 1,4-Dichlorobenzene       | 11.969         | 146  | 549        | 0.220   | ug/l   | 92       |
| 89) n-Butylbenzene            | 12.335         | 91   | 1243       | 0.275   | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 13.591         | 180  | 954        | 0.649   | ug/l   | 83       |
| 94) Hexachlorobutadiene       | 13.725         | 225  | 583        | 1.007   | ug/l   | 95       |
| 95) Naphthalene               | 13.780         | 128  | 3633       | 0.728   | ug/l # | 94       |
| 96) 1,2,3-Trichlorobenzene    | 13.957         | 180  | 735        | 0.506   | ug/l   | 89       |
| -----                         |                |      |            |         |        |          |

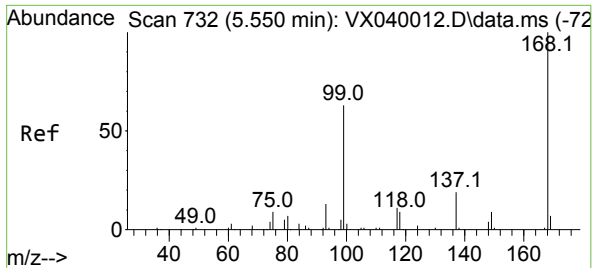
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX013124\  
Data File : VX040035.D  
Acq On : 31 Jan 2024 10:07  
Operator : JC/MD  
Sample : VX0131MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0131MBL01

Quant Time: Feb 01 04:19:12 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X013024W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 31 07:12:04 2024  
Response via : Initial Calibration

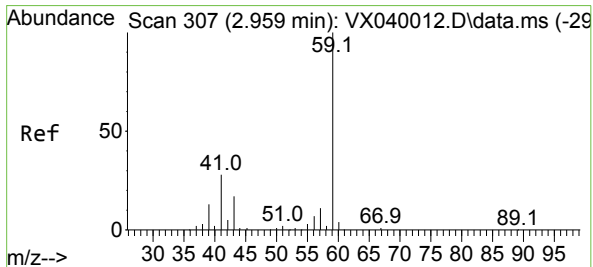
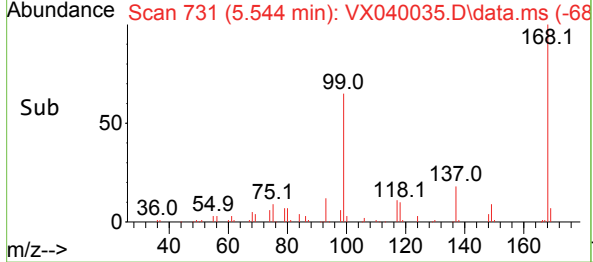
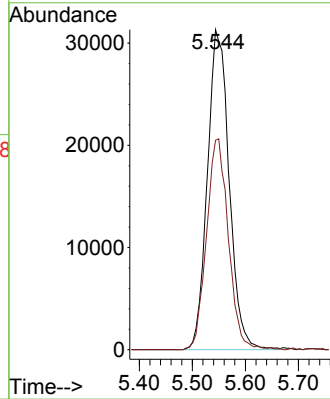
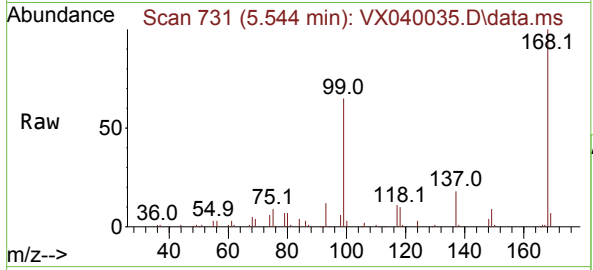




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

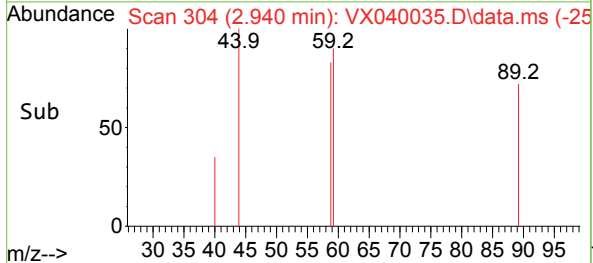
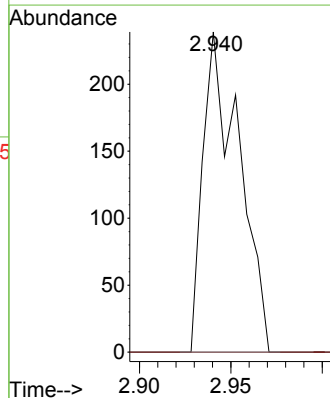
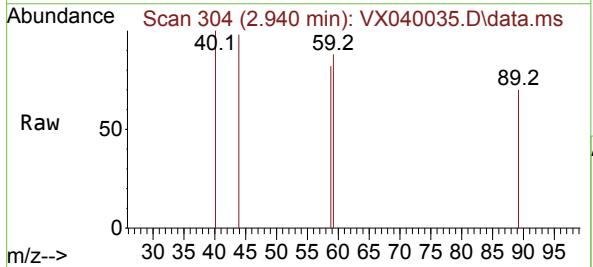
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0131MBL01

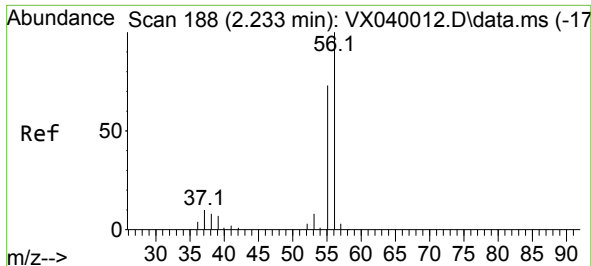
Tgt Ion:168 Resp: 89388  
Ion Ratio Lower Upper  
168 100  
99 65.5 56.6 85.0



#11  
Tert butyl alcohol  
Concen: 1.253 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.018 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

Tgt Ion: 59 Resp: 327  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#

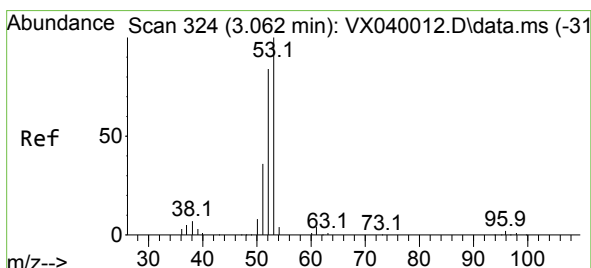
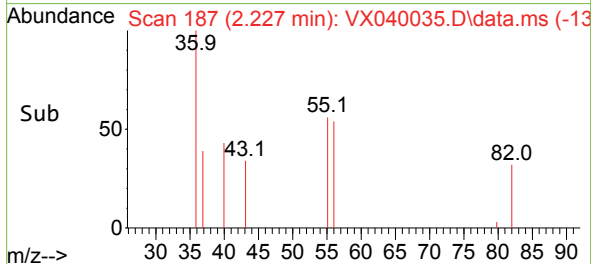
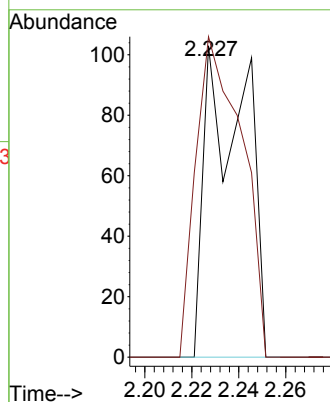
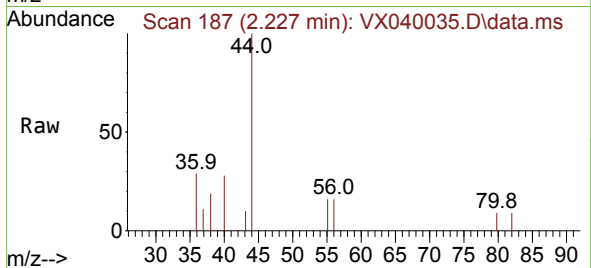




#13  
Acrolein  
Concen: 0.496 ug/l  
RT: 2.227 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

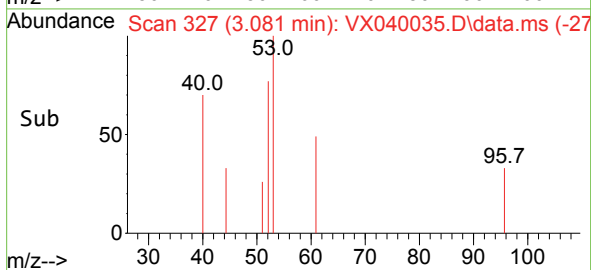
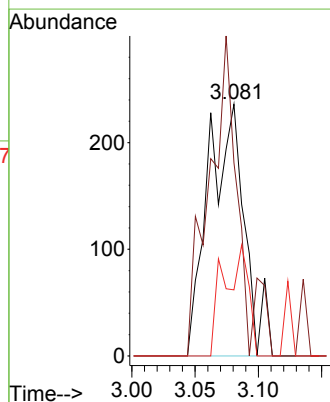
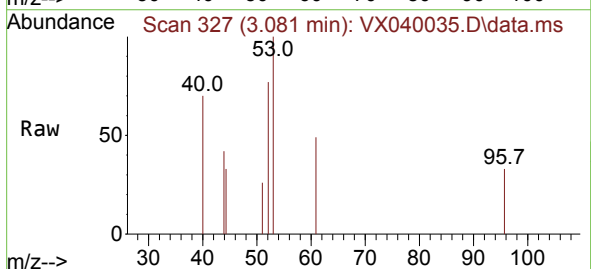
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0131MBL01

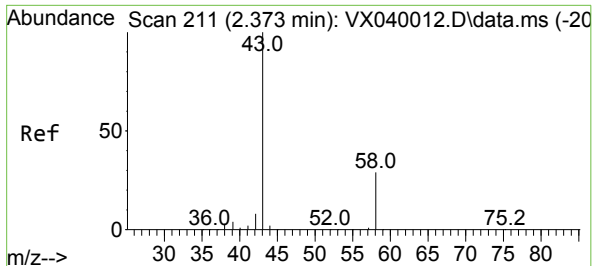
Tgt Ion: 56 Resp: 124  
Ion Ratio Lower Upper  
56 100  
55 116.9 57.1 85.7#



#15  
Acrylonitrile  
Concen: 0.723 ug/l  
RT: 3.081 min Scan# 327  
Delta R.T. 0.018 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

Tgt Ion: 53 Resp: 473  
Ion Ratio Lower Upper  
53 100  
52 92.6 66.0 99.0  
51 29.8 29.8 44.6

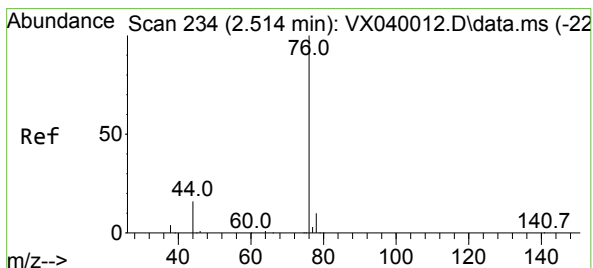
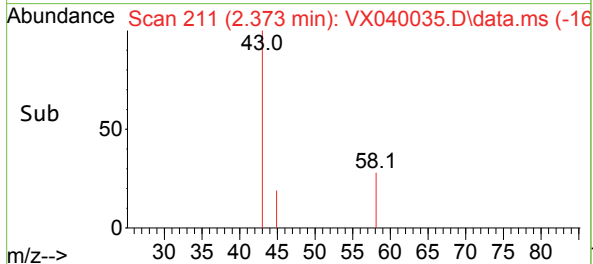
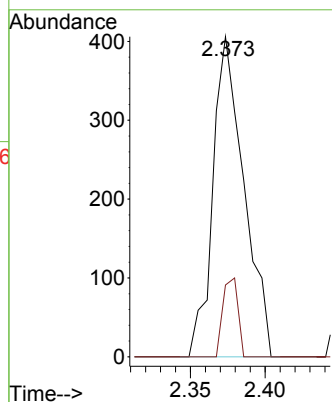
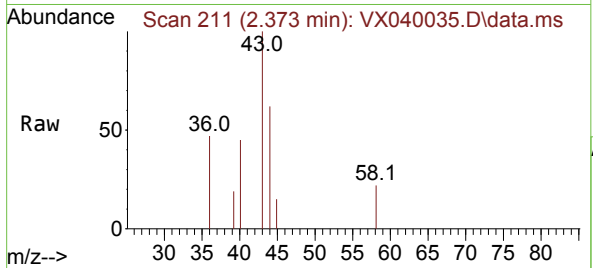




#16  
Acetone  
Concen: 0.871 ug/l  
RT: 2.373 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

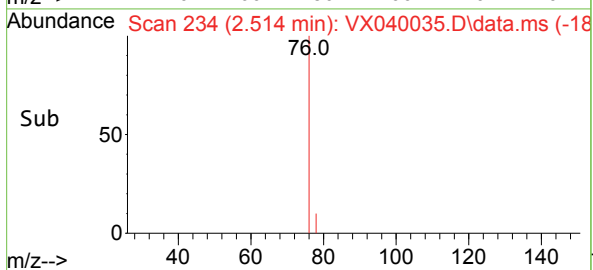
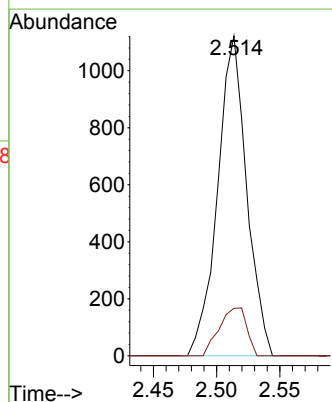
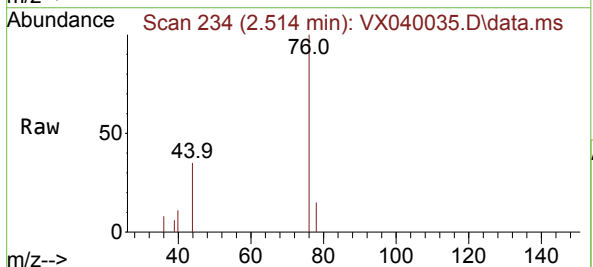
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0131MBL01

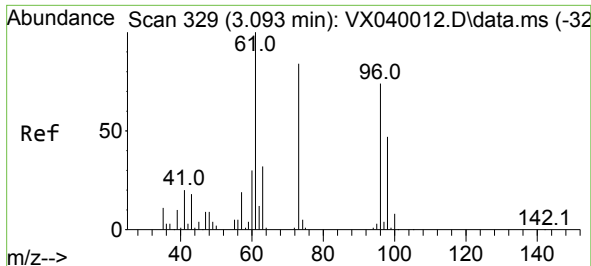
Tgt Ion: 43 Resp: 587  
Ion Ratio Lower Upper  
43 100  
58 22.4 21.9 32.9



#17  
Carbon Disulfide  
Concen: 0.609 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

Tgt Ion: 76 Resp: 1790  
Ion Ratio Lower Upper  
76 100  
78 14.9 7.0 10.6#

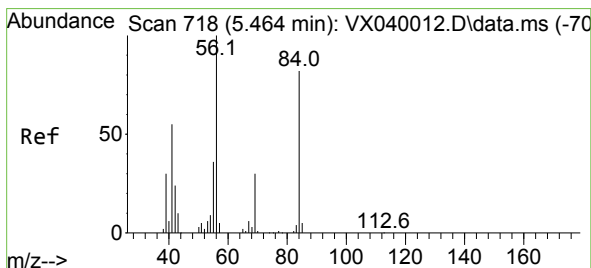
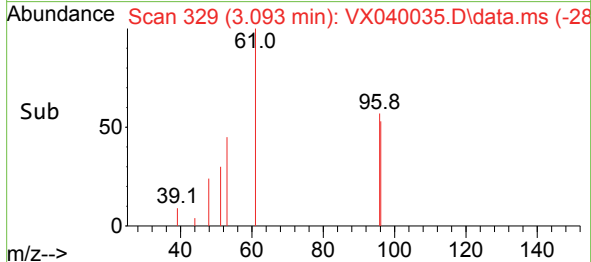
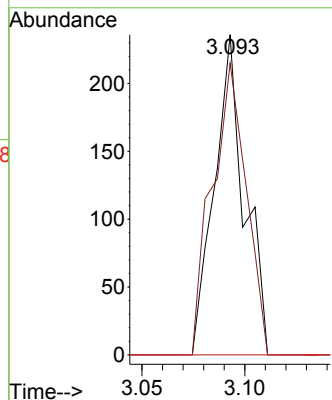
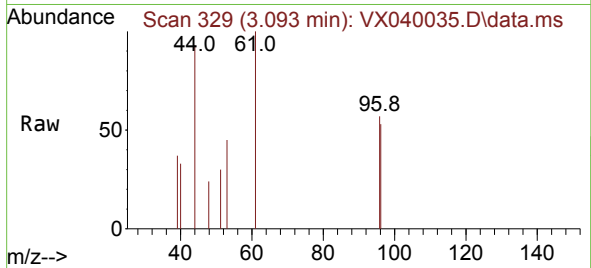




#21  
trans-1,2-Dichloroethene  
Concen: 0.217 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

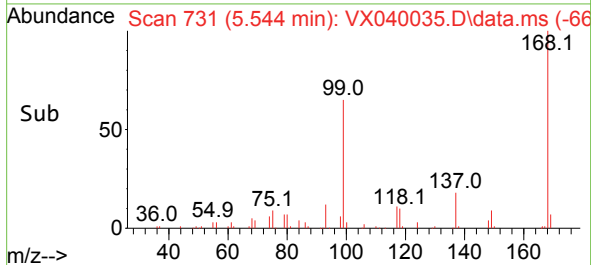
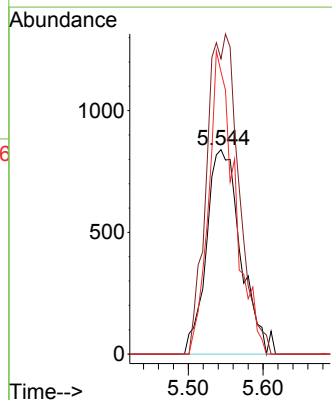
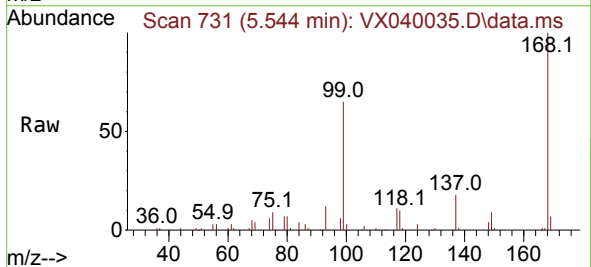
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0131MBL01

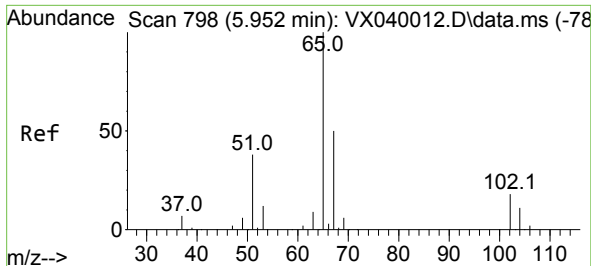
Tgt Ion: 96 Resp: 240  
Ion Ratio Lower Upper  
96 100  
61 91.1 119.2 178.8#  
98 0.0 48.7 73.1#



#31  
Cyclohexane  
Concen: 1.486 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.079 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

Tgt Ion: 56 Resp: 2677  
Ion Ratio Lower Upper  
56 100  
69 144.4 23.4 35.2#  
84 138.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.520 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX040035.D

Acq: 31 Jan 2024 10:07

Instrument :

MSVOA\_X

ClientSampleId :

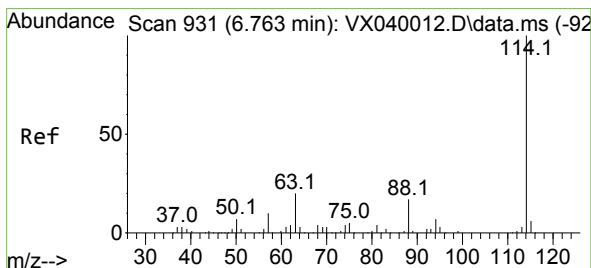
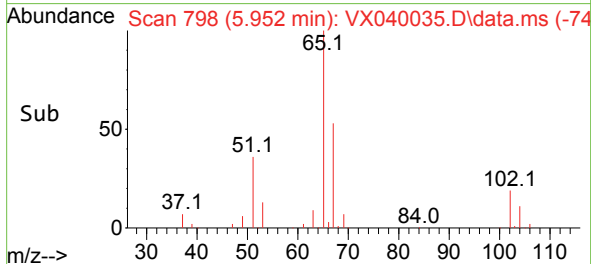
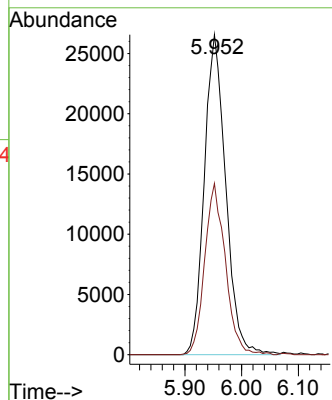
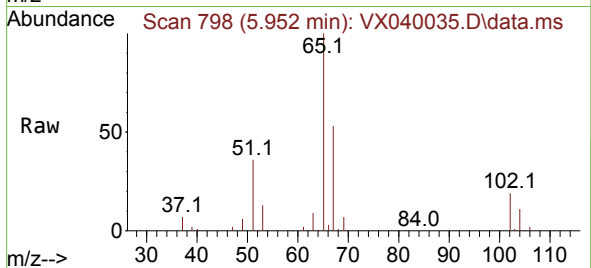
VX0131MBL01

Tgt Ion: 65 Resp: 69800

Ion Ratio Lower Upper

65 100

67 51.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX040035.D

Acq: 31 Jan 2024 10:07

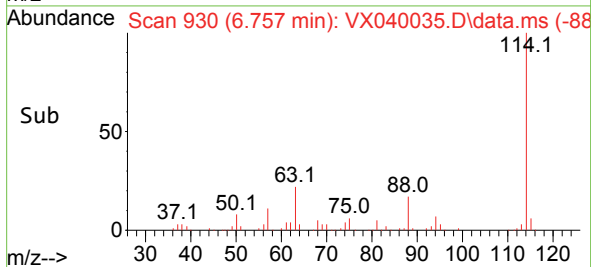
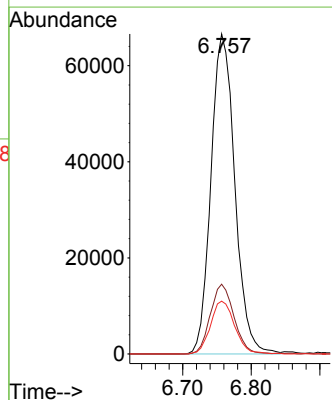
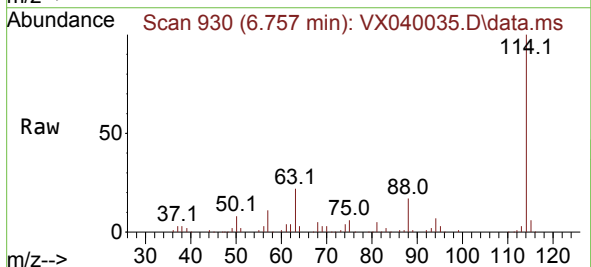
Tgt Ion: 114 Resp: 160923

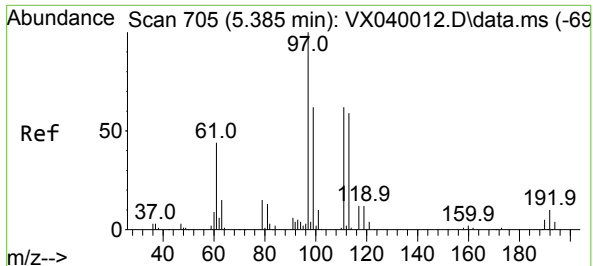
Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.0

88 16.5 0.0 36.6

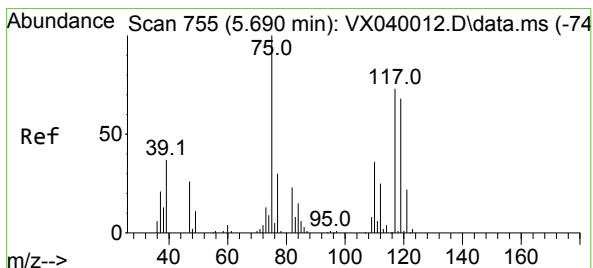
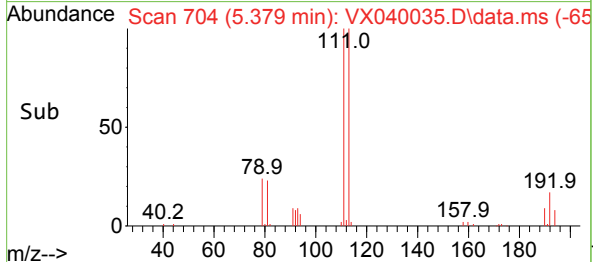
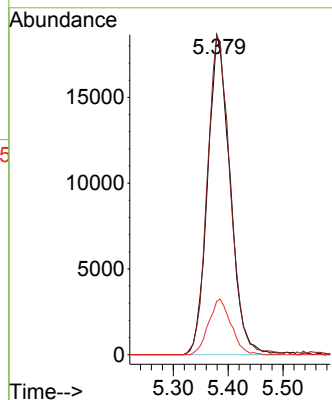
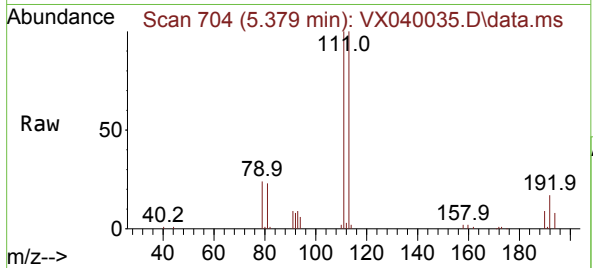




#35  
Dibromofluoromethane  
Concen: 48.424 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

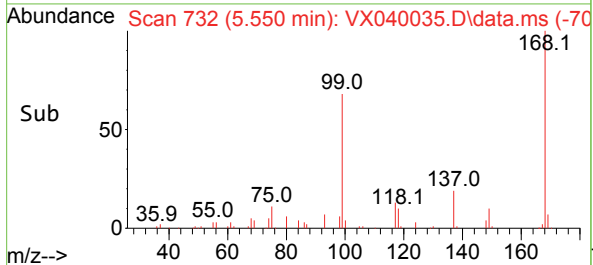
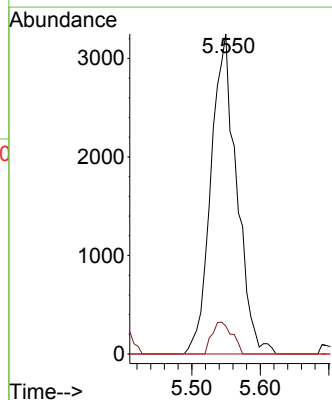
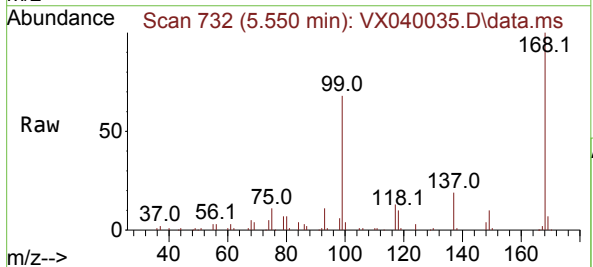
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0131MBL01

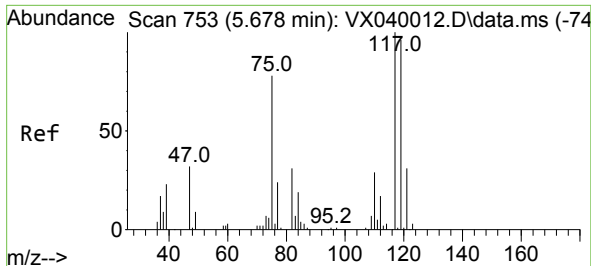
Tgt Ion:113 Resp: 53047  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.9 124.3  
192 17.5 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 5.354 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

Tgt Ion: 75 Resp: 8483  
Ion Ratio Lower Upper  
75 100  
110 7.8 17.0 50.9#  
77 0.0 24.7 37.1#

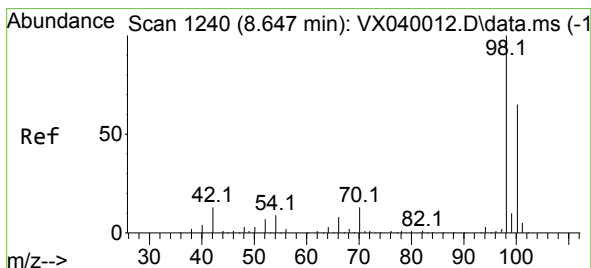
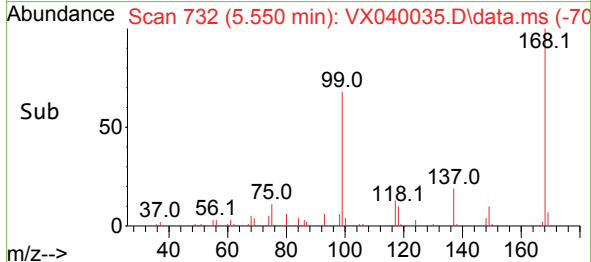
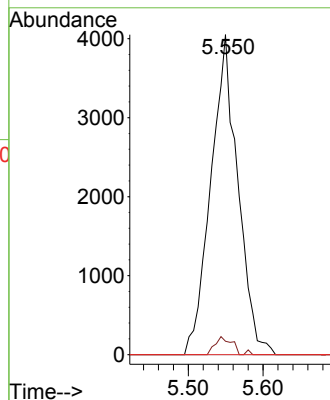
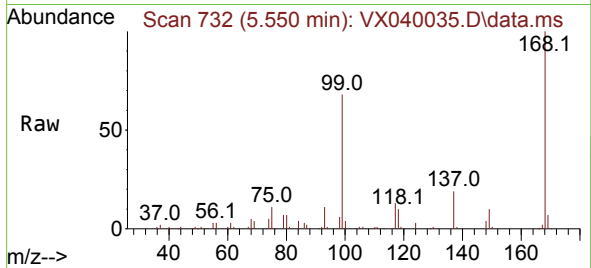




#38  
Carbon Tetrachloride  
Concen: 6.725 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

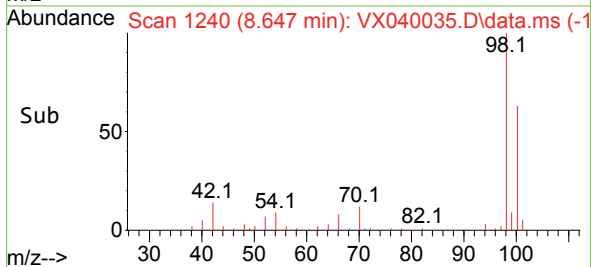
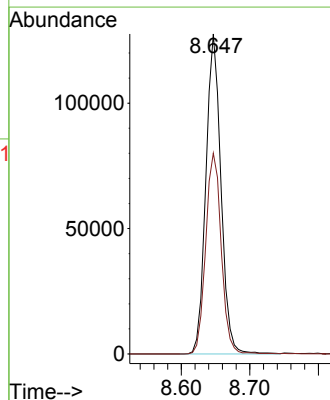
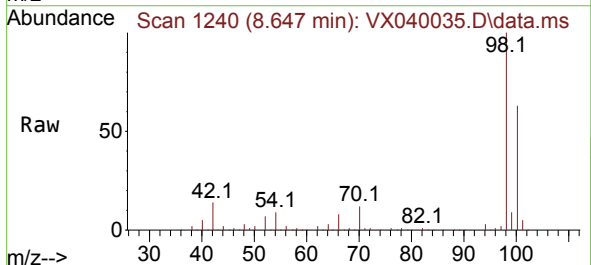
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0131MBL01

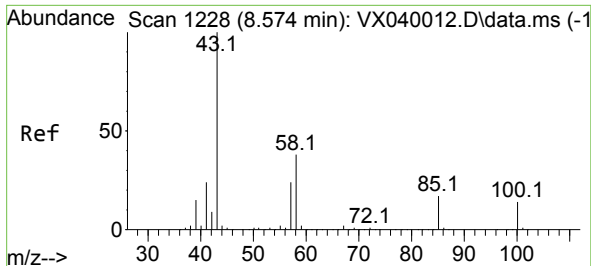
Tgt Ion:117 Resp: 10194  
Ion Ratio Lower Upper  
117 100  
119 4.2 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 47.705 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

Tgt Ion: 98 Resp: 195432  
Ion Ratio Lower Upper  
98 100  
100 64.7 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.259 ug/l

RT: 8.574 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX040035.D

Acq: 31 Jan 2024 10:07

Instrument :

MSVOA\_X

ClientSampleId :

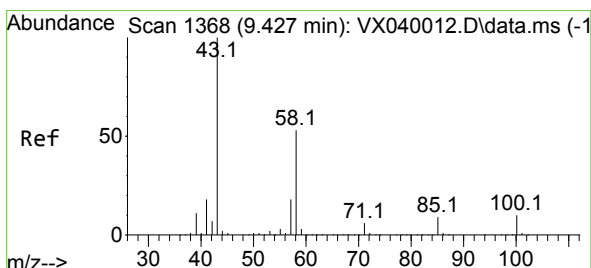
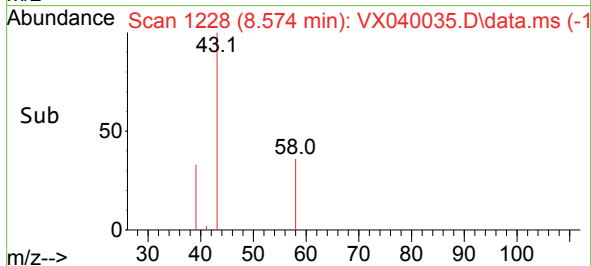
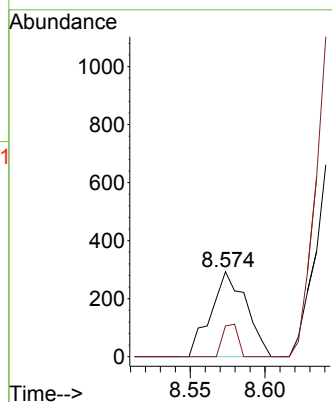
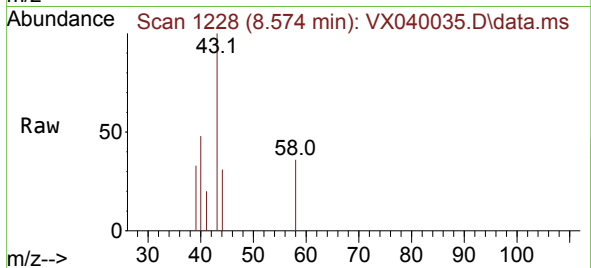
VX0131MBL01

Tgt Ion: 43 Resp: 483

Ion Ratio Lower Upper

43 100

58 16.6 30.4 45.6#



#59

2-Hexanone

Concen: 0.431 ug/l

RT: 9.445 min Scan# 1371

Delta R.T. 0.018 min

Lab File: VX040035.D

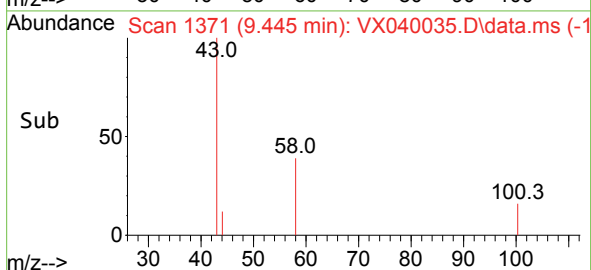
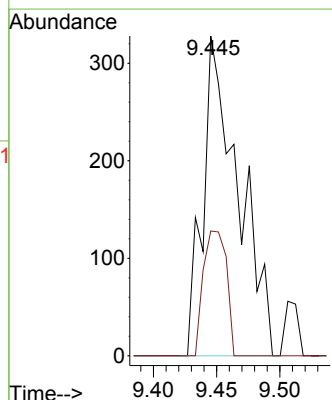
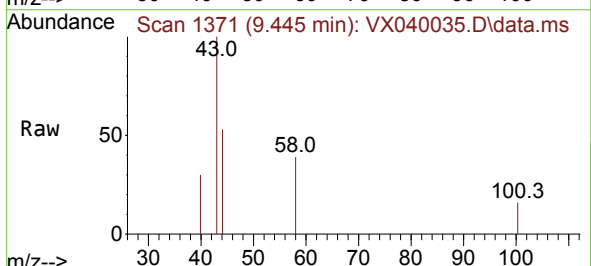
Acq: 31 Jan 2024 10:07

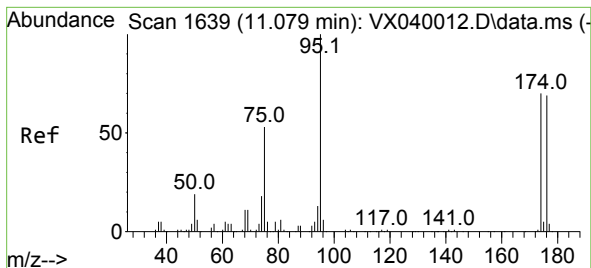
Tgt Ion: 43 Resp: 640

Ion Ratio Lower Upper

43 100

58 25.5 26.2 78.5#

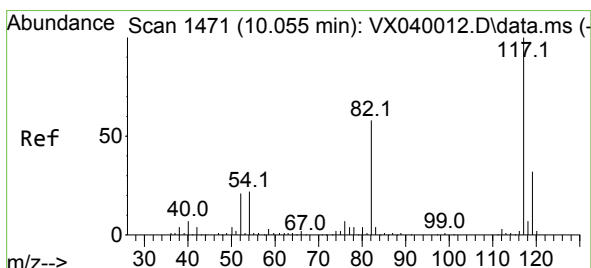
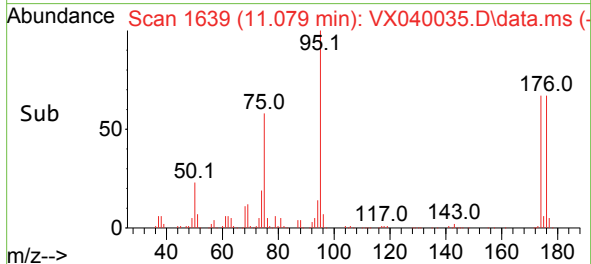
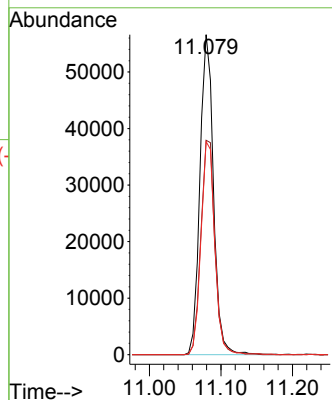
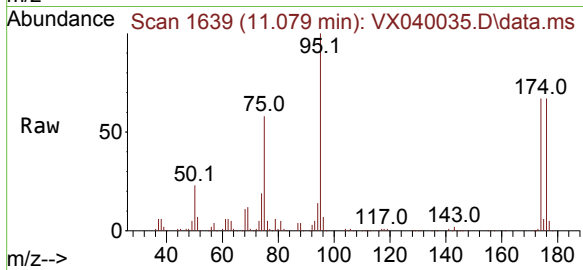




#62  
4-Bromofluorobenzene  
Concen: 47.035 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

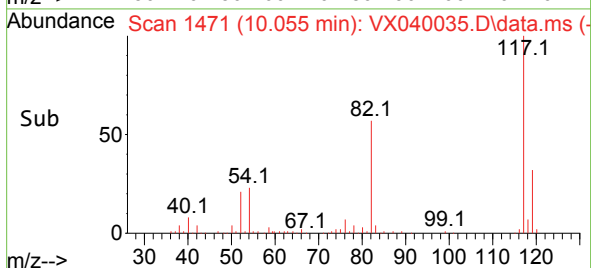
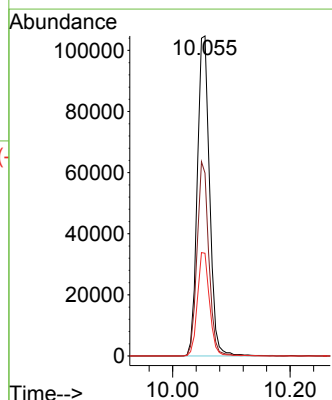
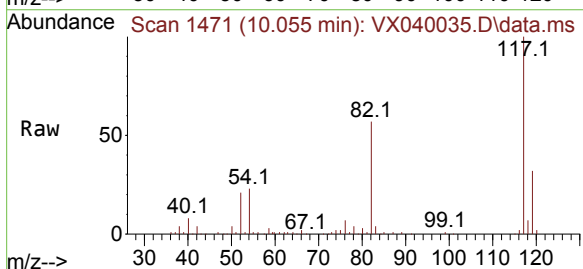
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0131MBL01

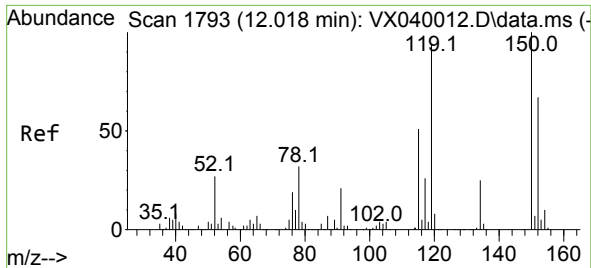
Tgt Ion: 95 Resp: 74195  
Ion Ratio Lower Upper  
95 100  
174 69.4 0.0 135.6  
176 68.3 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

Tgt Ion: 117 Resp: 151619  
Ion Ratio Lower Upper  
117 100  
82 57.1 46.2 69.4  
119 32.1 25.5 38.3

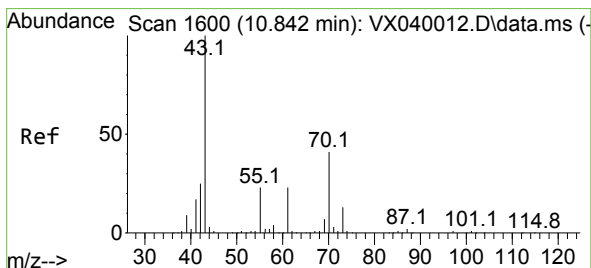
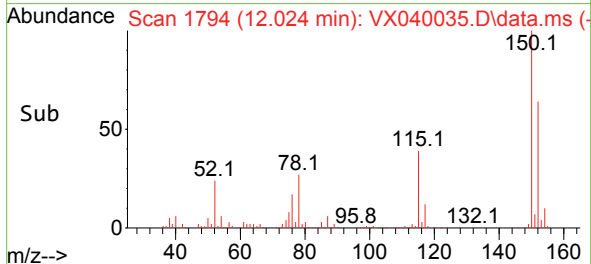
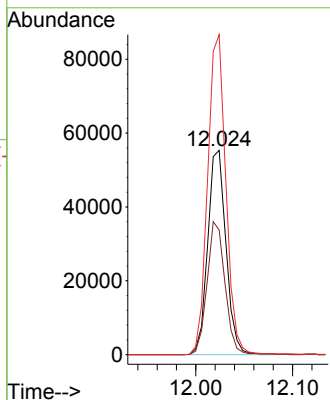
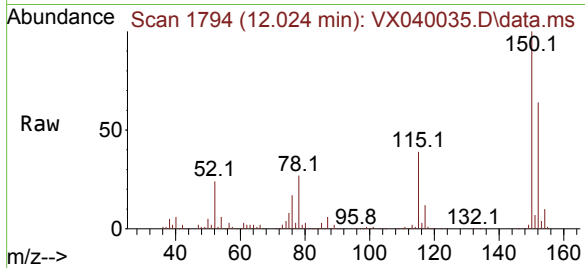




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX040035.D  
 Acq: 31 Jan 2024 10:07

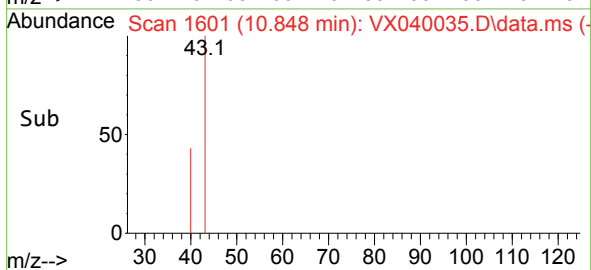
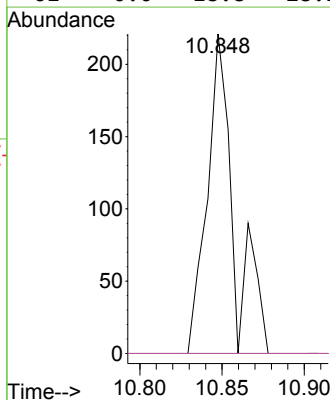
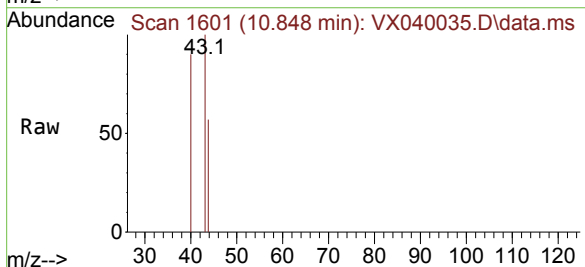
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0131MBL01

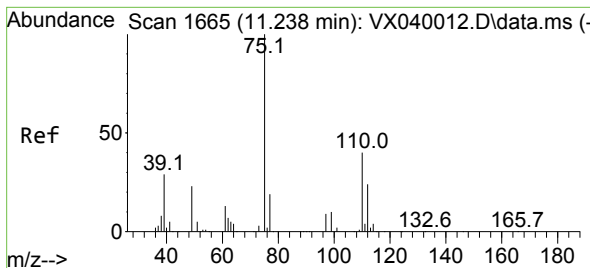
Tgt Ion:152 Resp: 72974  
 Ion Ratio Lower Upper  
 152 100  
 115 63.8 43.3 129.9  
 150 156.3 0.0 345.0



#74  
 N-ethyl acetate  
 Concen: 0.304 ug/l  
 RT: 10.848 min Scan# 1601  
 Delta R.T. 0.006 min  
 Lab File: VX040035.D  
 Acq: 31 Jan 2024 10:07

Tgt Ion: 43 Resp: 250  
 Ion Ratio Lower Upper  
 43 100  
 70 0.0 32.9 49.3#  
 55 0.0 19.3 28.9#  
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 26.600 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040035.D

Acq: 31 Jan 2024 10:07

Instrument :

MSVOA\_X

ClientSampleId :

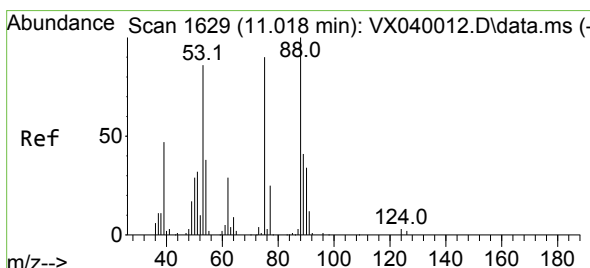
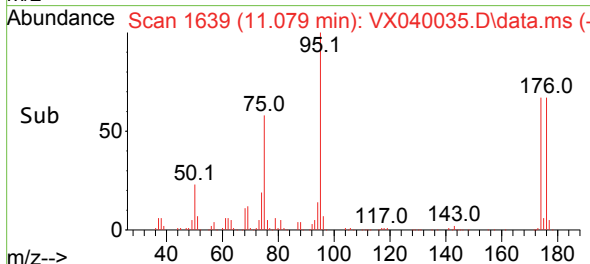
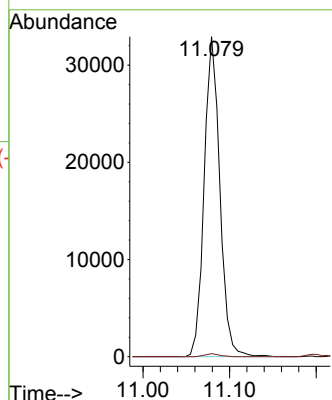
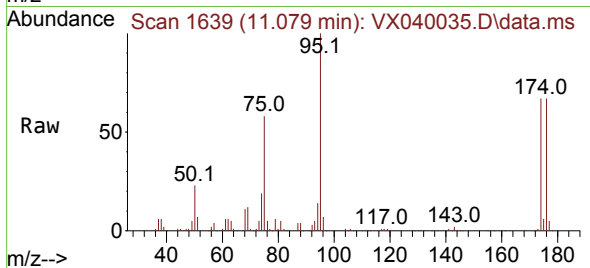
VX0131MBL01

Tgt Ion: 75 Resp: 41336

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.854 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040035.D

Acq: 31 Jan 2024 10:07

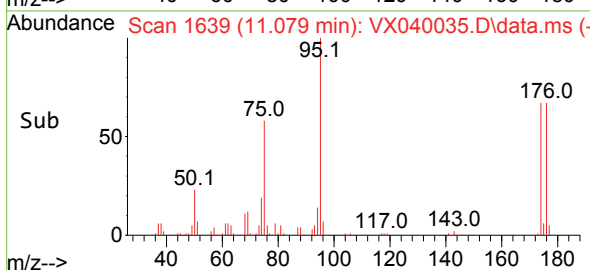
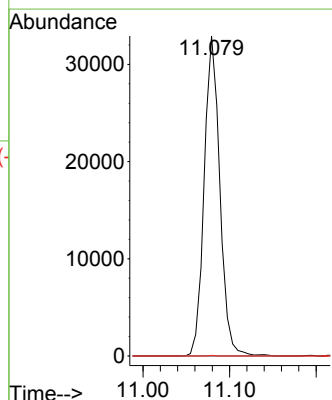
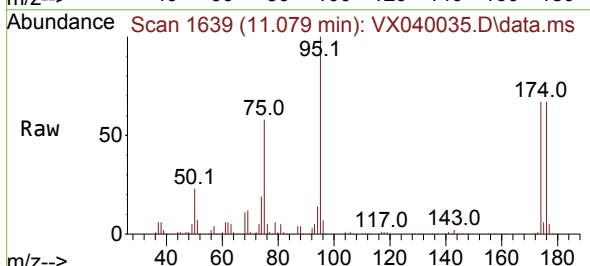
Tgt Ion: 75 Resp: 41336

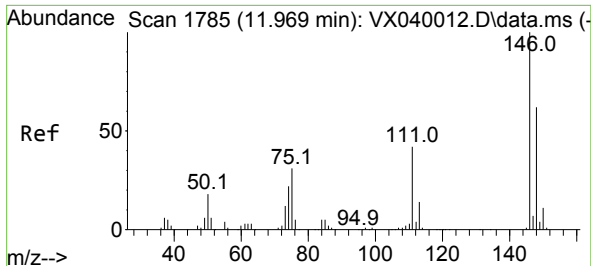
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.225 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX040035.D

Acq: 31 Jan 2024 10:07

Instrument :

MSVOA\_X

ClientSampleId :

VX0131MBL01

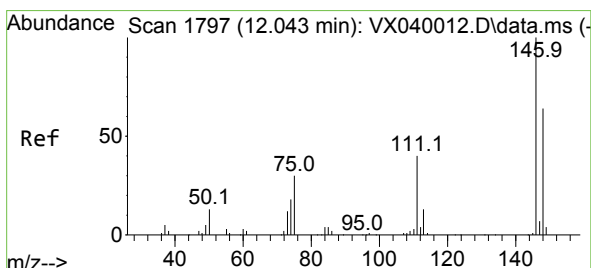
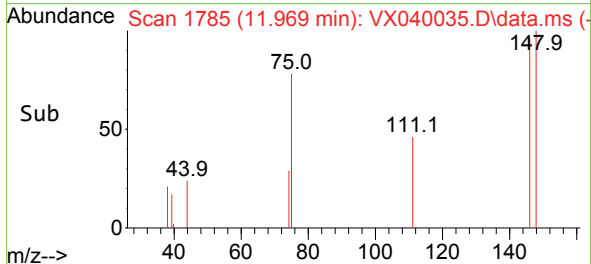
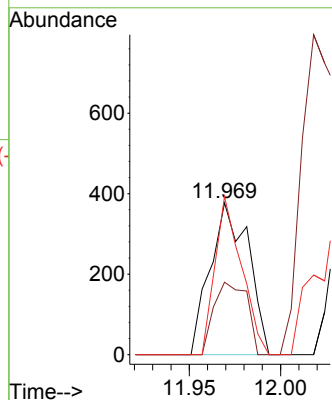
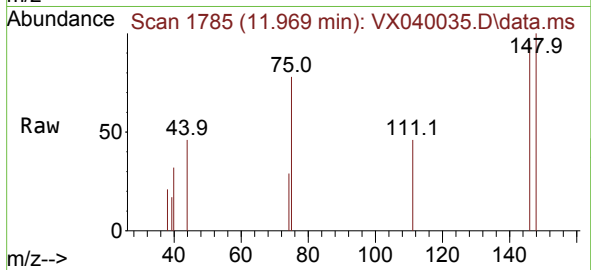
Tgt Ion:146 Resp: 549

Ion Ratio Lower Upper

146 100

111 41.2 22.1 66.1

148 72.5 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.220 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX040035.D

Acq: 31 Jan 2024 10:07

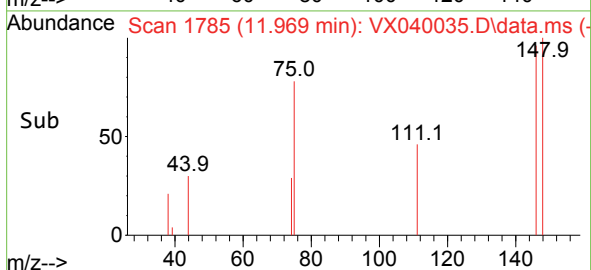
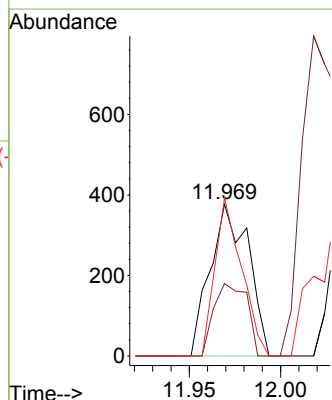
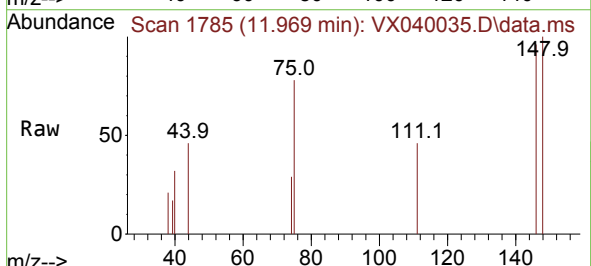
Tgt Ion:146 Resp: 549

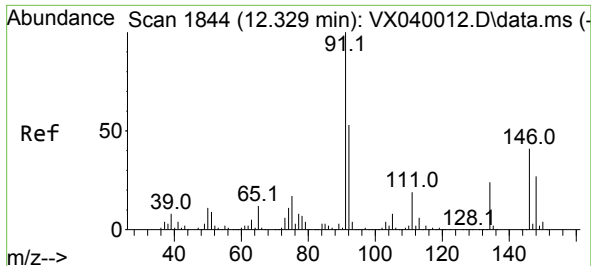
Ion Ratio Lower Upper

146 100

111 41.2 21.3 63.7

148 72.5 31.8 95.4

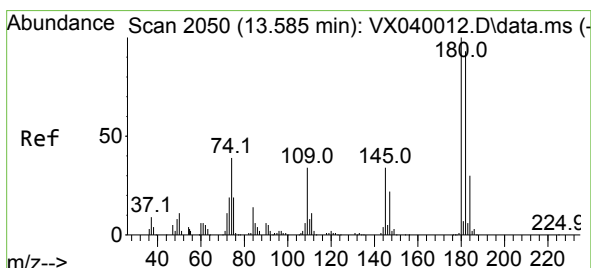
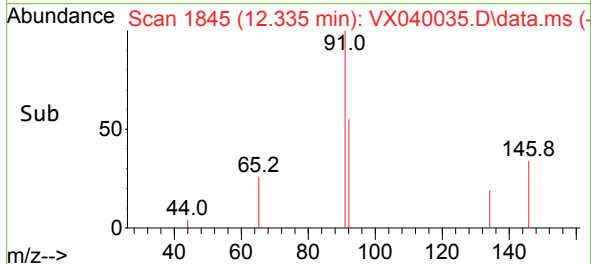
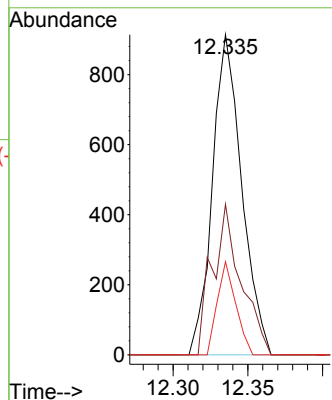
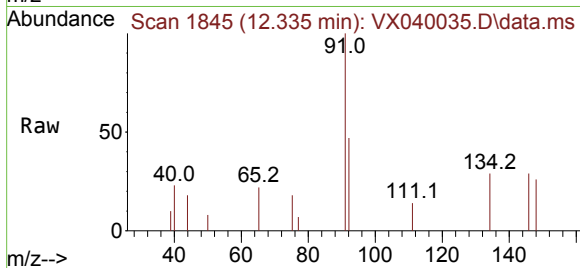




#89  
n-Butylbenzene  
Concen: 0.275 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.006 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

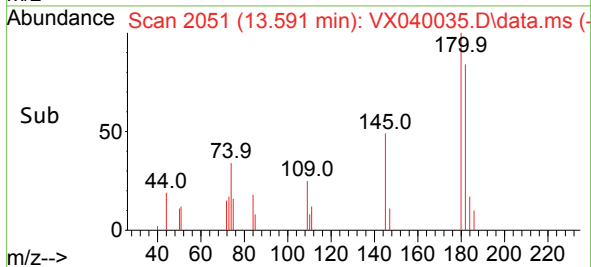
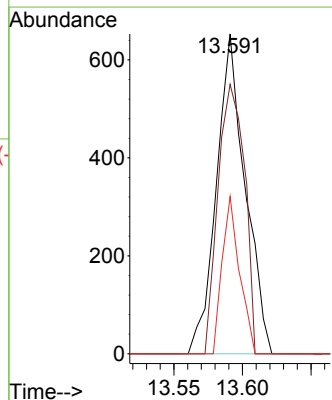
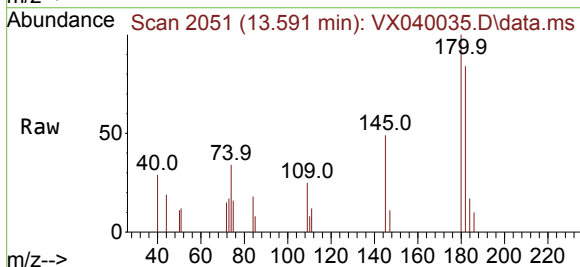
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0131MBL01

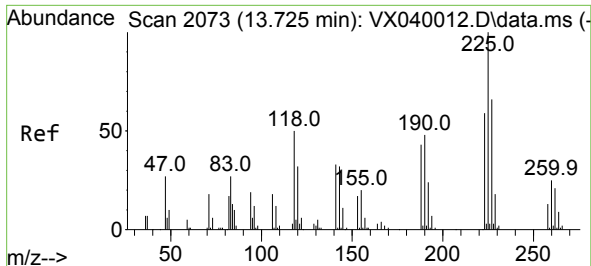
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 91 | Resp: | 1243        |
| Ion         | Ratio | Lower Upper |
| 91          | 100   |             |
| 92          | 46.2  | 27.4 82.0   |
| 134         | 18.4  | 12.6 37.8   |



#93  
1,2,4-Trichlorobenzene  
Concen: 0.649 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. 0.006 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

|              |       |             |
|--------------|-------|-------------|
| Tgt Ion: 180 | Resp: | 954         |
| Ion          | Ratio | Lower Upper |
| 180          | 100   |             |
| 182          | 77.5  | 48.3 144.8  |
| 145          | 29.6  | 18.0 54.0   |

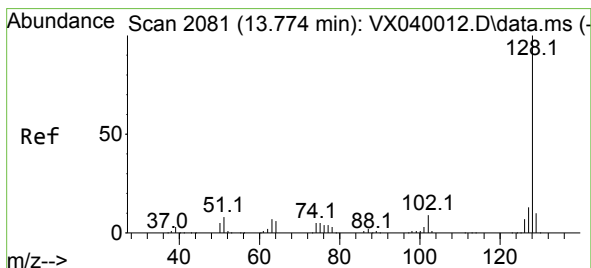
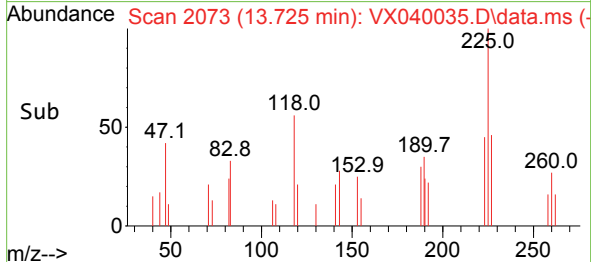
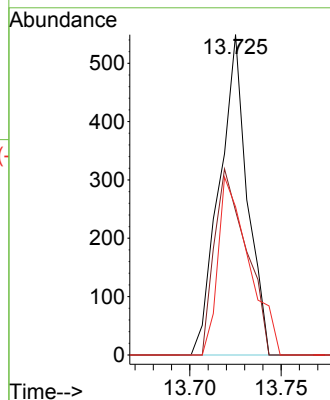
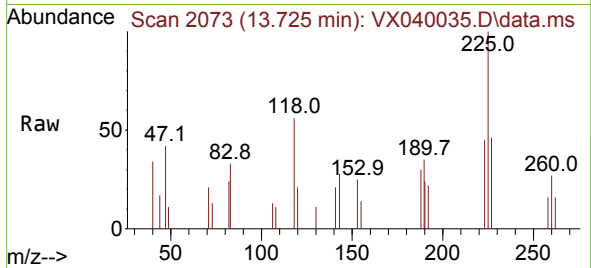




#94  
Hexachlorobutadiene  
Concen: 1.007 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. -0.000 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

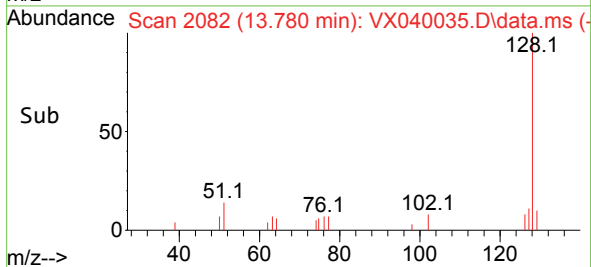
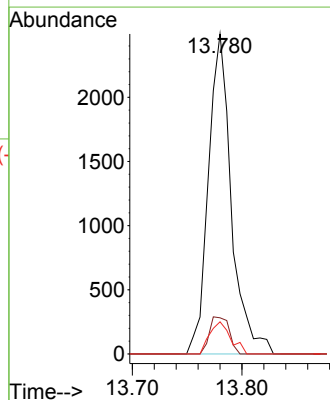
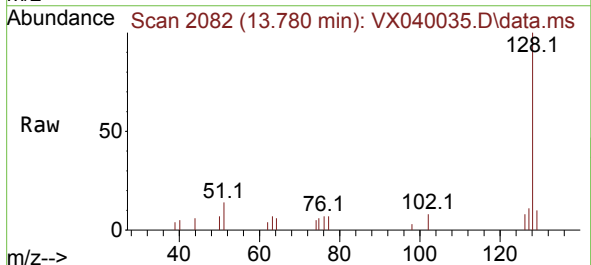
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0131MBL01

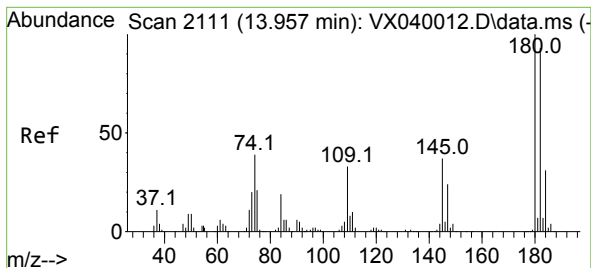
Tgt Ion:225 Resp: 583  
Ion Ratio Lower Upper  
225 100  
223 66.2 31.1 93.2  
227 61.6 32.5 97.5



#95  
Naphthalene  
Concen: 0.728 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX040035.D  
Acq: 31 Jan 2024 10:07

Tgt Ion:128 Resp: 3633  
Ion Ratio Lower Upper  
128 100  
127 9.9 10.3 15.5#  
129 9.2 8.8 13.2





#96

1,2,3-Trichlorobenzene

Concen: 0.506 ug/l

RT: 13.957 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX040035.D

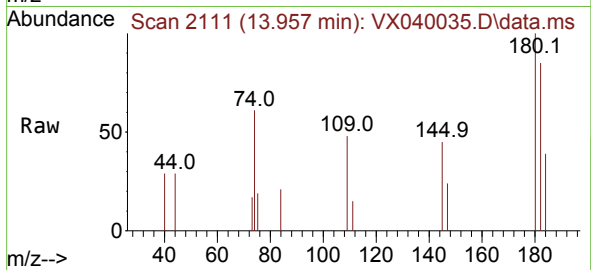
Acq: 31 Jan 2024 10:07

Instrument :

MSVOA\_X

ClientSampleId :

VX0131MBL01



Tgt Ion:180 Resp: 735

Ion Ratio Lower Upper

180 100

182 108.4 46.9 140.6

145 35.1 17.8 53.5

