

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041223\  
 Data File : VX035006.D  
 Acq On : 11 Apr 2023 13:58  
 Operator : JC/MD  
 Sample : VX0412MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0412MBL01

Quant Time: Apr 12 05:48:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Apr 01 01:50:18 2023  
 Response via : Initial Calibration

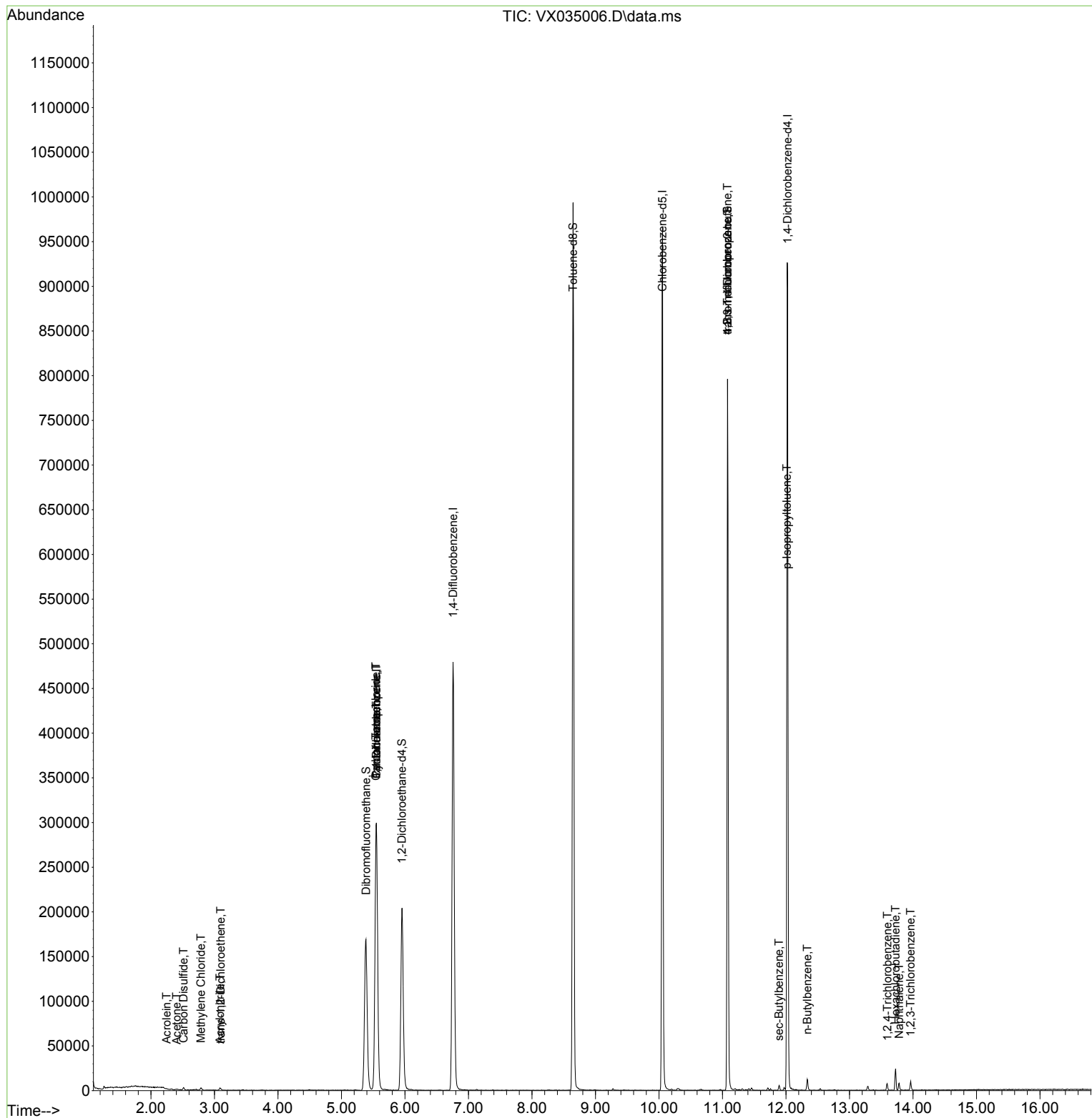
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 279316     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 478040     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 424997     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 192173     | 50.000  | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 196712     | 46.050  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 92.100% |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 150339     | 47.548  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 95.100% |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 563778     | 48.308  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 96.620% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 213535     | 47.282  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 94.560% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 13) Acrolein                  | 2.246          | 56   | 593        | 0.769   | ug/l   | 95       |
| 15) Acrylonitrile             | 3.087          | 53   | 711        | 0.421   | ug/l # | 84       |
| 16) Acetone                   | 2.404          | 43   | 1218       | 0.702   | ug/l   | 100      |
| 17) Carbon Disulfide          | 2.514          | 76   | 3107       | 0.433   | ug/l # | 88       |
| 20) Methylene Chloride        | 2.788          | 84   | 1077       | 0.315   | ug/l # | 73       |
| 21) trans-1,2-Dichloroethene  | 3.099          | 96   | 746        | 0.239   | ug/l # | 36       |
| 31) Cyclohexane               | 5.550          | 56   | 6478       | 1.245   | ug/l # | 7        |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 23097      | 4.931   | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.544          | 117  | 30544      | 6.916   | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 111567     | 28.813  | ug/l # | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 111567     | 86.350  | ug/l # | 8        |
| 85) sec-Butylbenzene          | 11.890         | 105  | 3157       | 0.235   | ug/l   | 94       |
| 86) p-Isopropyltoluene        | 12.012         | 119  | 2521       | 0.225   | ug/l # | 70       |
| 89) n-Butylbenzene            | 12.335         | 91   | 4772       | 0.487   | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.597         | 180  | 2176       | 0.605   | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.725         | 225  | 3122       | 1.973   | ug/l   | 93       |
| 95) Naphthalene               | 13.780         | 128  | 5329       | 0.417   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963         | 180  | 2450       | 0.675   | ug/l   | 91       |
| -----                         |                |      |            |         |        |          |

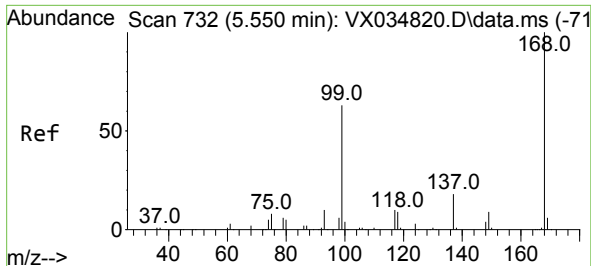
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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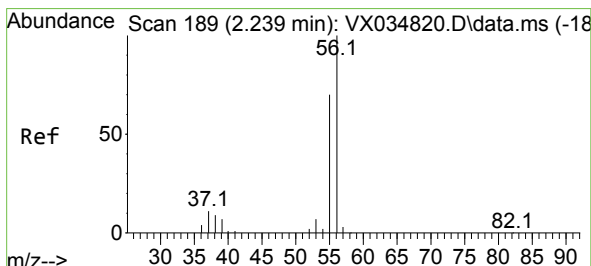
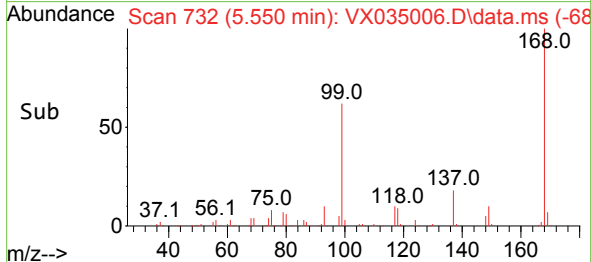
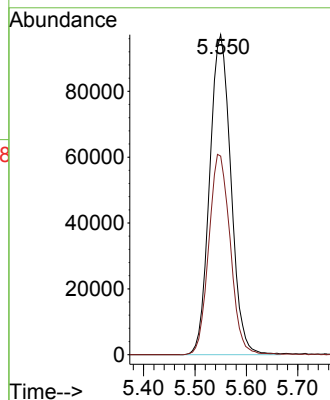
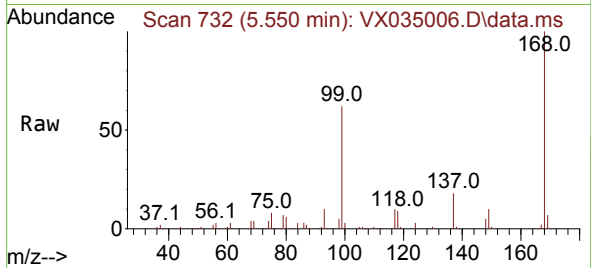




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

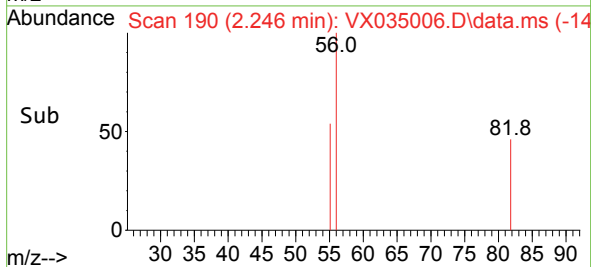
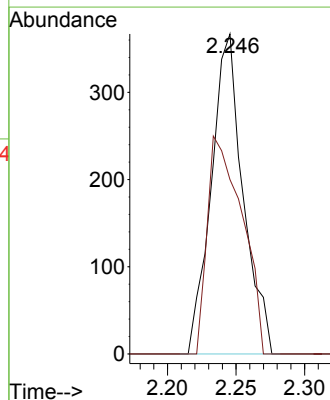
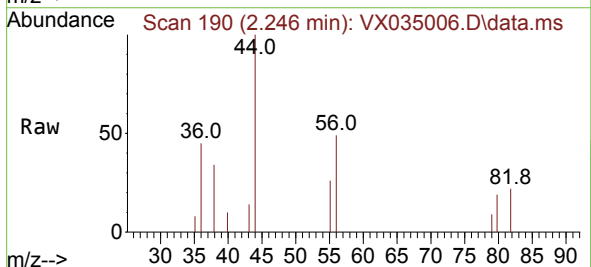
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0412MBL01

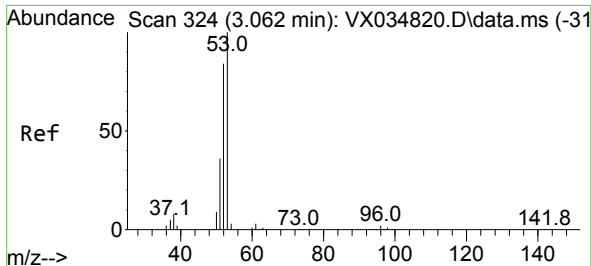
Tgt Ion:168 Resp: 279316  
Ion Ratio Lower Upper  
168 100  
99 62.0 45.7 68.5



#13  
Acrolein  
Concen: 0.769 ug/l  
RT: 2.246 min Scan# 190  
Delta R.T. 0.006 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

Tgt Ion: 56 Resp: 593  
Ion Ratio Lower Upper  
56 100  
55 74.5 56.6 85.0

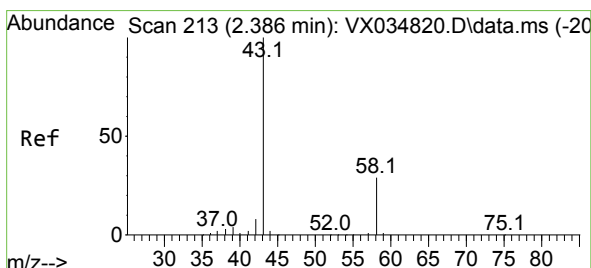
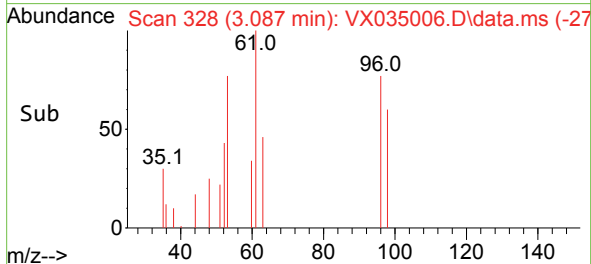
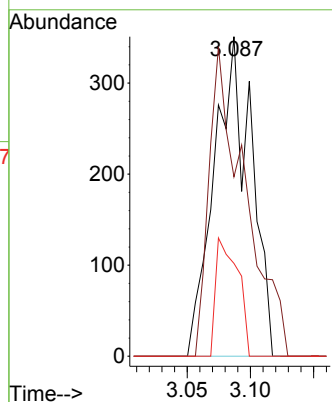
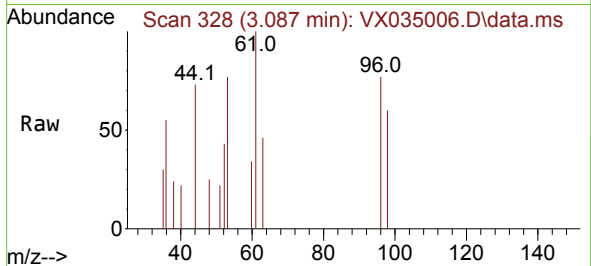




#15  
Acrylonitrile  
Concen: 0.421 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. 0.024 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

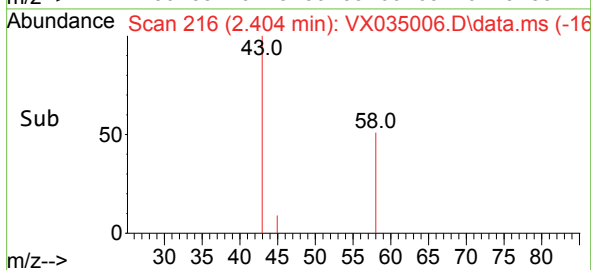
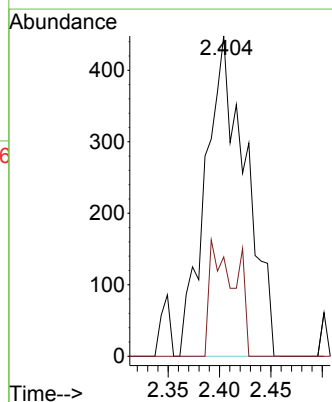
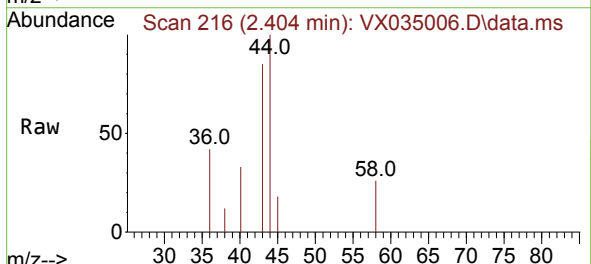
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0412MBL01

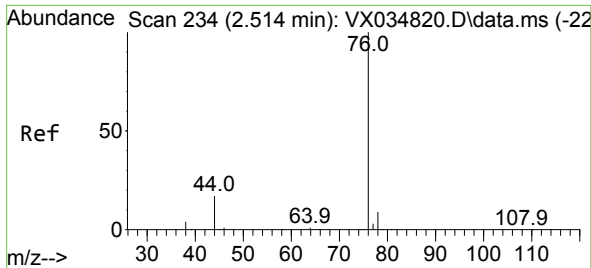
|             |             |
|-------------|-------------|
| Tgt Ion: 53 | Resp: 711   |
| Ion Ratio   | Lower Upper |
| 53 100      |             |
| 52 94.4     | 66.2 99.2   |
| 51 22.2     | 28.3 42.5#  |



#16  
Acetone  
Concen: 0.702 ug/l  
RT: 2.404 min Scan# 216  
Delta R.T. 0.018 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

|             |            |       |  |
|-------------|------------|-------|--|
| Tgt Ion: 43 | Resp: 1218 |       |  |
| Ion Ratio   | Lower      | Upper |  |
| 43 100      |            |       |  |
| 58 31.0     | 24.7       | 37.1  |  |





#17

Carbon Disulfide

Concen: 0.433 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX035006.D

Acq: 11 Apr 2023 13:58

Instrument :

MSVOA\_X

ClientSampleId :

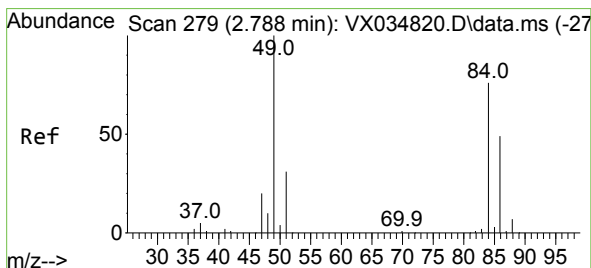
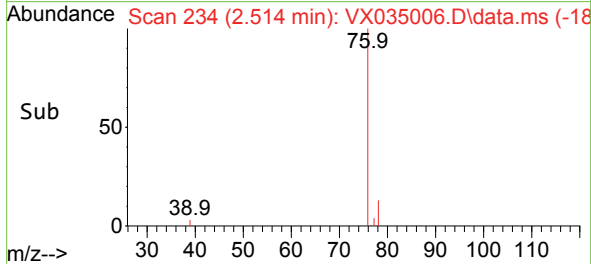
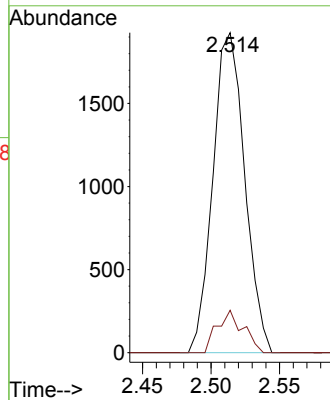
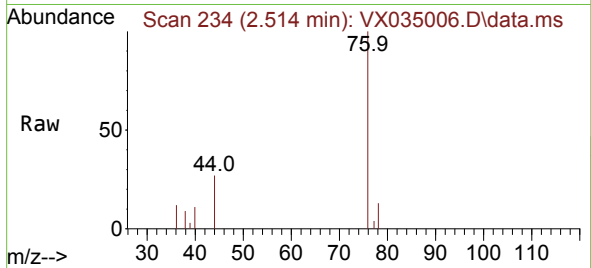
VX0412MBL01

Tgt Ion: 76 Resp: 3107

Ion Ratio Lower Upper

76 100

78 13.2 7.2 10.8#



#20

Methylene Chloride

Concen: 0.315 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX035006.D

Acq: 11 Apr 2023 13:58

Tgt Ion: 84 Resp: 1077

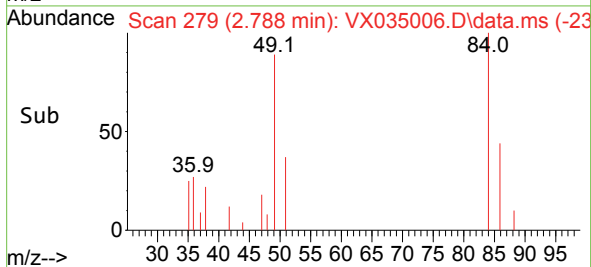
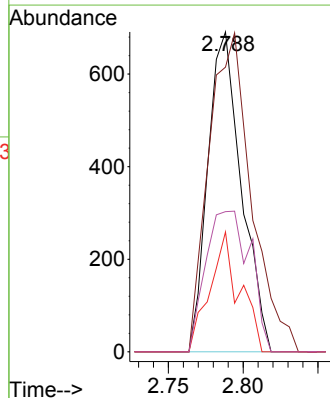
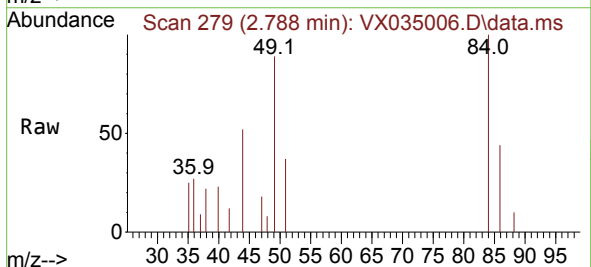
Ion Ratio Lower Upper

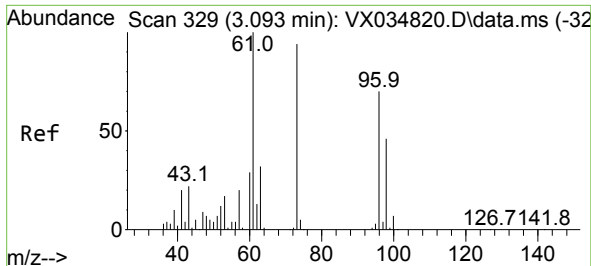
84 100

49 89.0 103.8 155.8#

51 37.5 31.8 47.8

86 43.8 51.4 77.2#

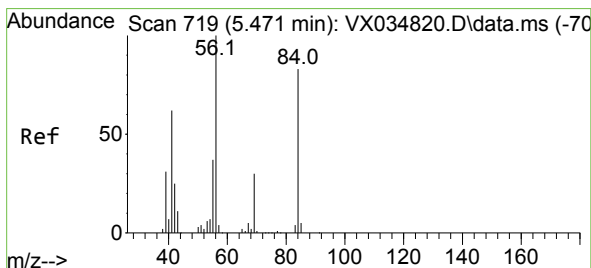
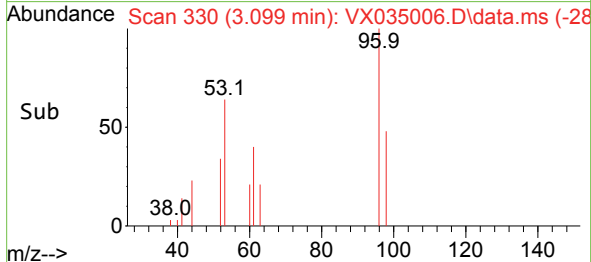
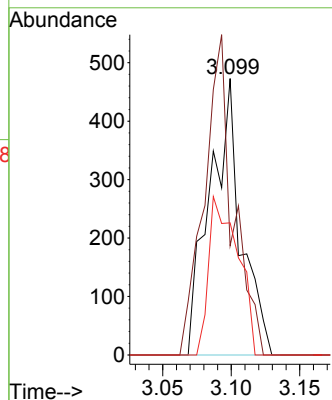
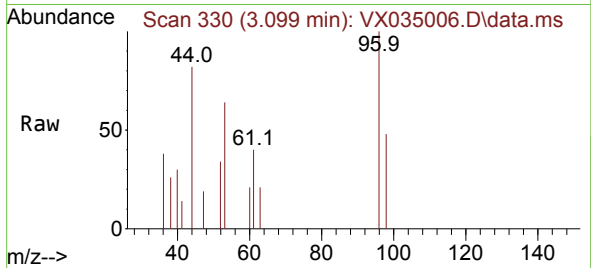




#21  
trans-1,2-Dichloroethene  
Concen: 0.239 ug/l  
RT: 3.099 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

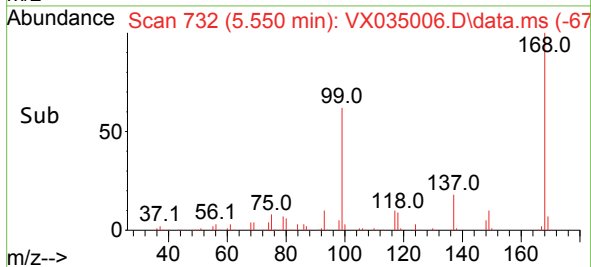
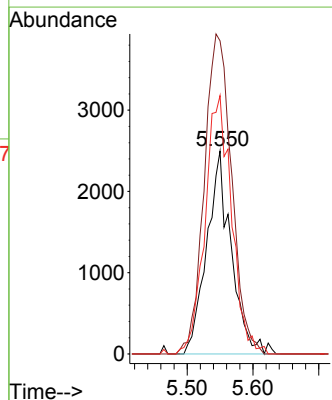
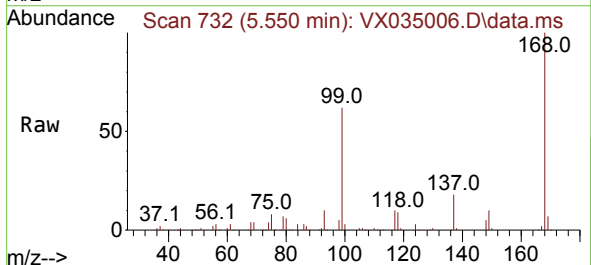
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ClientSampleId :  
VX0412MBL01

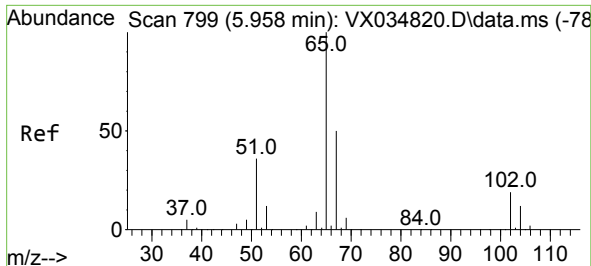
Tgt Ion: 96 Resp: 746  
Ion Ratio Lower Upper  
96 100  
61 39.5 113.0 169.6#  
98 47.8 52.1 78.1#



#31  
Cyclohexane  
Concen: 1.245 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.079 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

Tgt Ion: 56 Resp: 6478  
Ion Ratio Lower Upper  
56 100  
69 154.3 23.7 35.5#  
84 127.4 68.5 102.7#

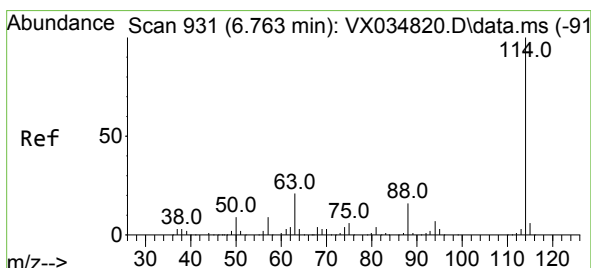
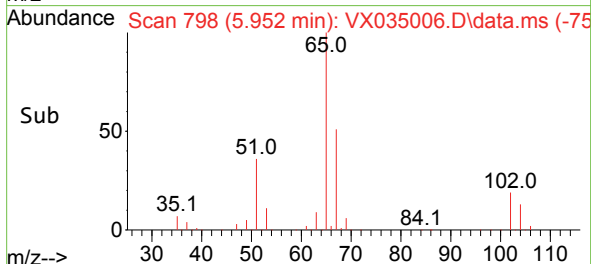
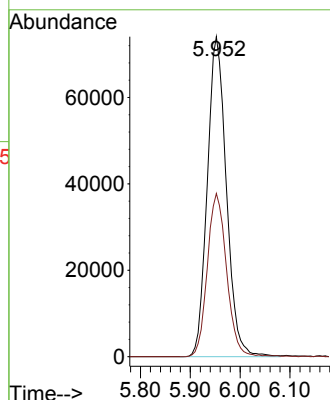
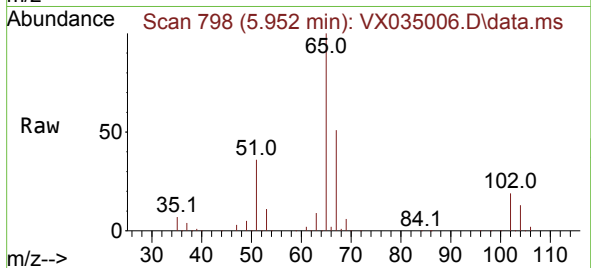




#33  
1,2-Dichloroethane-d4  
Concen: 46.050 ug/l  
RT: 5.952 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

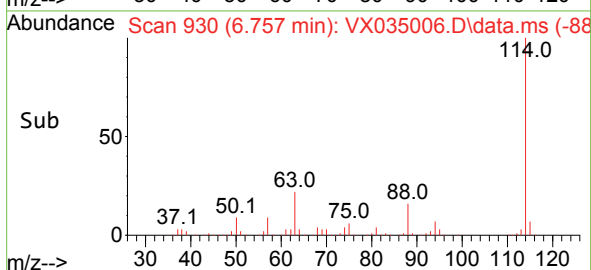
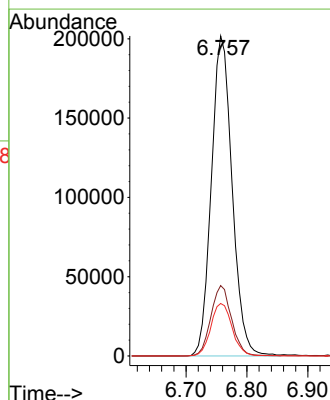
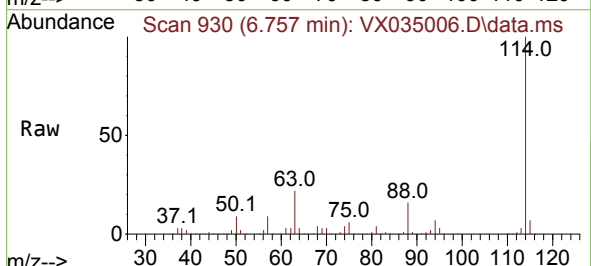
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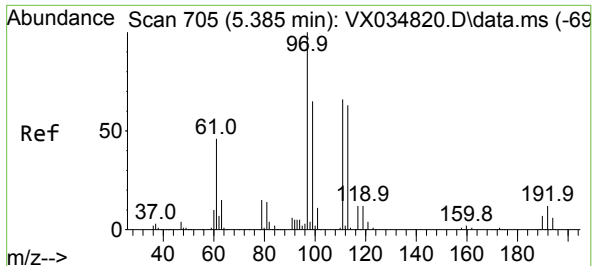
Tgt Ion: 65 Resp: 196712  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 104.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.006 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

Tgt Ion: 114 Resp: 478040  
Ion Ratio Lower Upper  
114 100  
63 22.0 0.0 42.2  
88 16.4 0.0 33.2

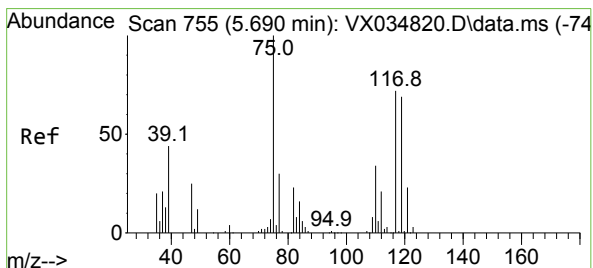
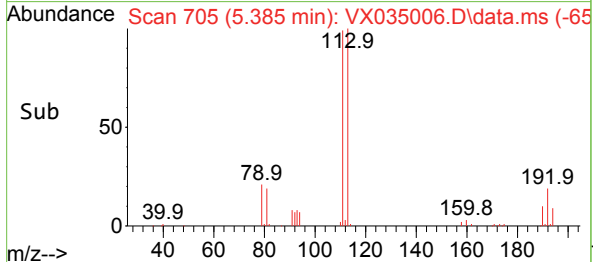
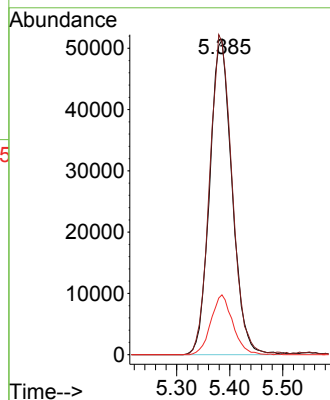
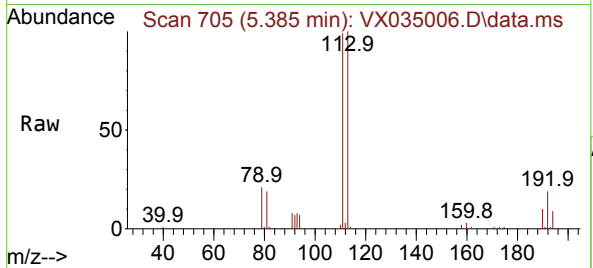




#35  
Dibromofluoromethane  
Concen: 47.548 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

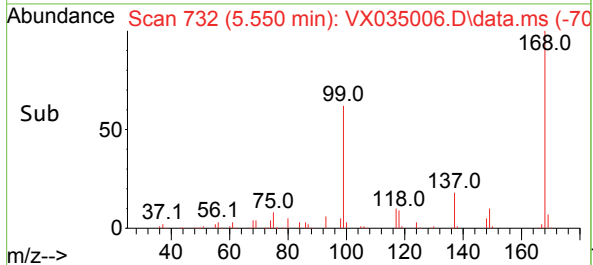
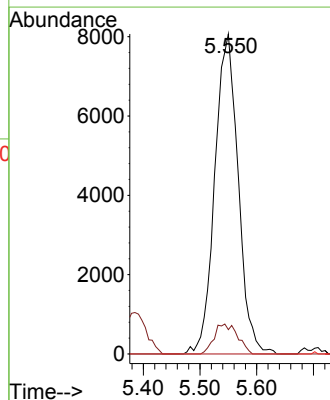
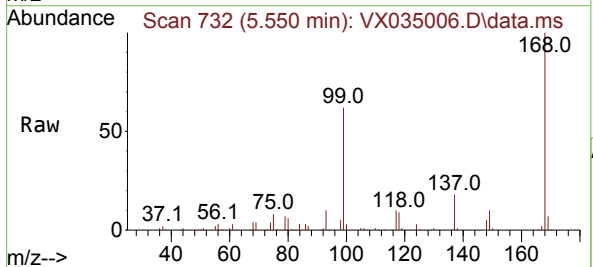
Instrument :  
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ClientSampleId :  
VX0412MBL01

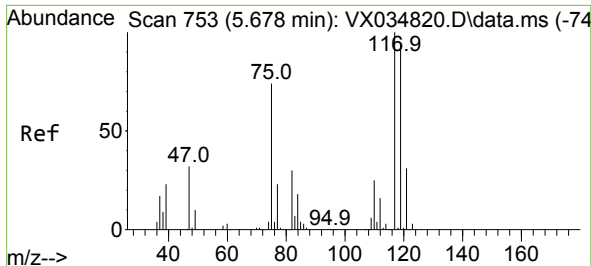
Tgt Ion:113 Resp: 150339  
Ion Ratio Lower Upper  
113 100  
111 101.8 83.7 125.5  
192 18.6 15.4 23.2



#36  
1,1-Dichloropropene  
Concen: 4.931 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

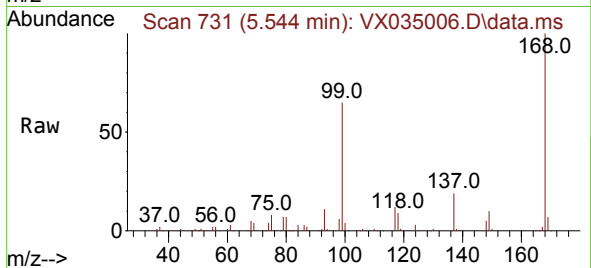
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Ion Ratio Lower Upper  
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77 0.0 24.3 36.5#



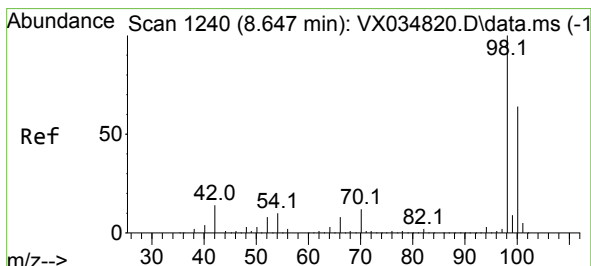
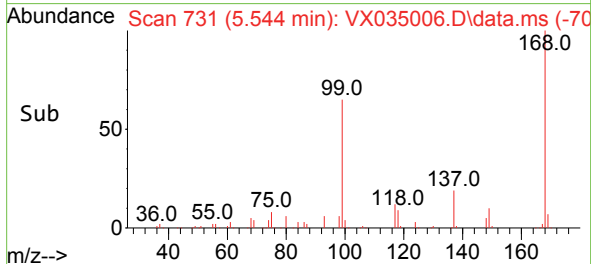
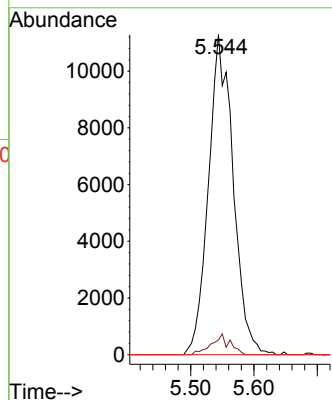


#38  
Carbon Tetrachloride  
Concen: 6.916 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0412MBL01

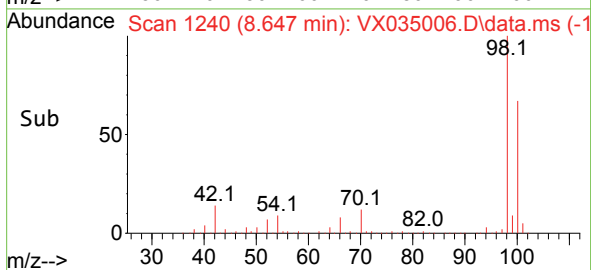
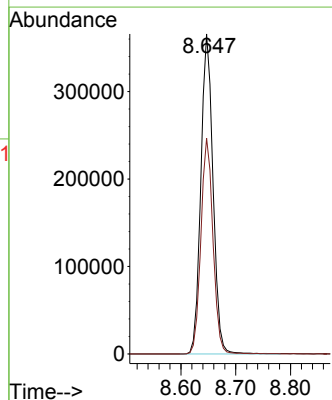
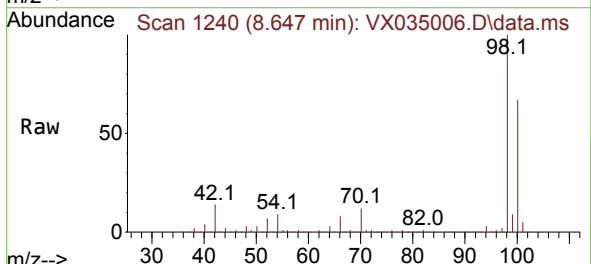


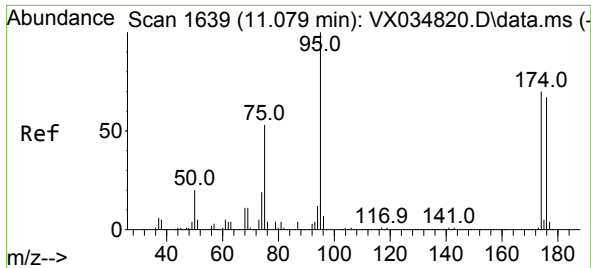
Tgt Ion:117 Resp: 30544  
Ion Ratio Lower Upper  
117 100  
119 4.6 76.6 114.8#  
121 0.0 23.8 35.6#



#50  
Toluene-d8  
Concen: 48.308 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

Tgt Ion: 98 Resp: 563778  
Ion Ratio Lower Upper  
98 100  
100 67.0 52.5 78.7

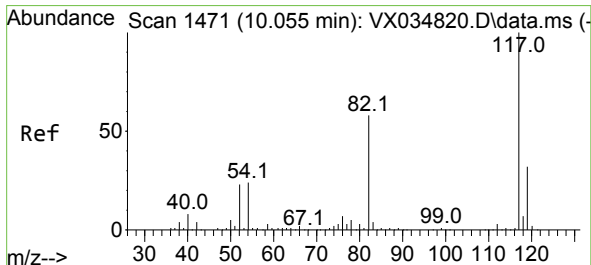
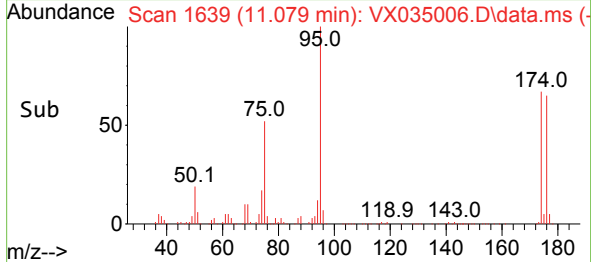
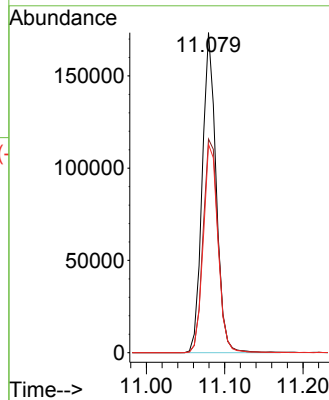
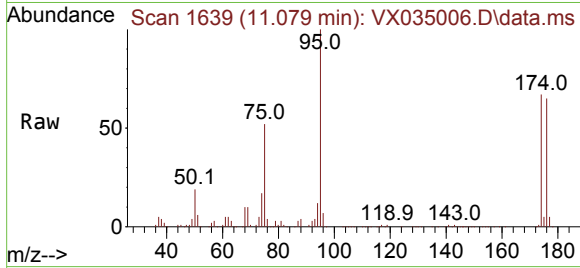




#62  
4-Bromofluorobenzene  
Concen: 47.282 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

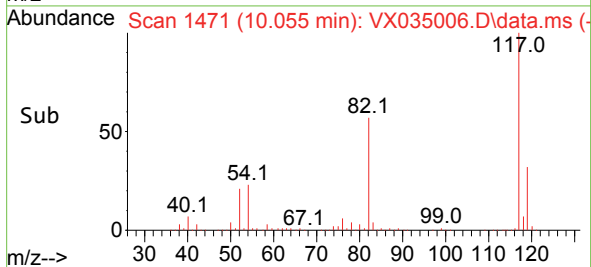
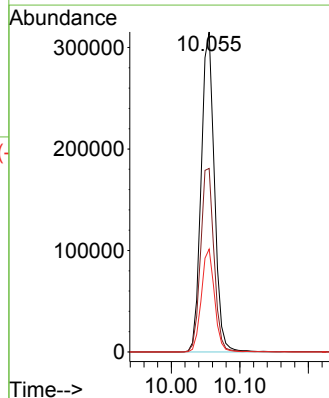
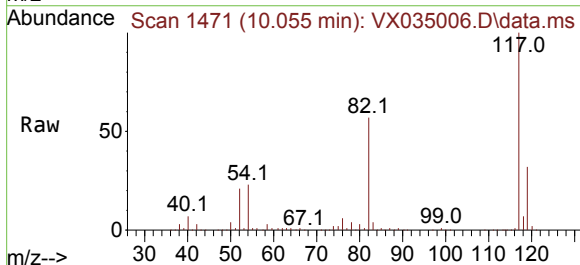
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0412MBL01

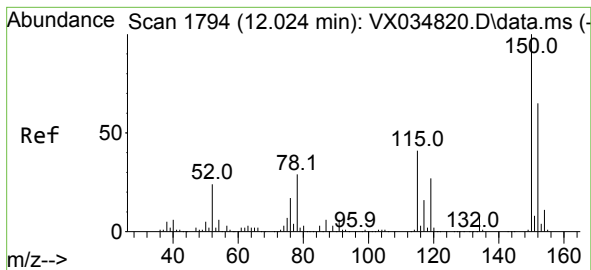
Tgt Ion: 95 Resp: 213535  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 147.4  
176 69.0 0.0 140.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

Tgt Ion: 117 Resp: 424997  
Ion Ratio Lower Upper  
117 100  
82 57.4 45.0 67.4  
119 32.2 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035006.D

Acq: 11 Apr 2023 13:58

Instrument :

MSVOA\_X

ClientSampleId :

VX0412MBL01

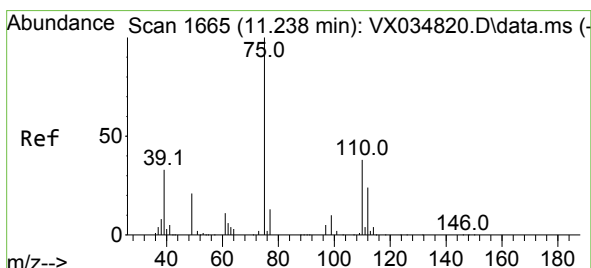
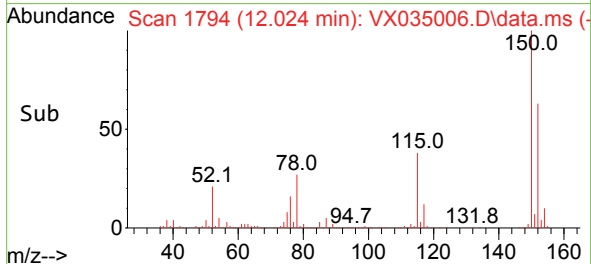
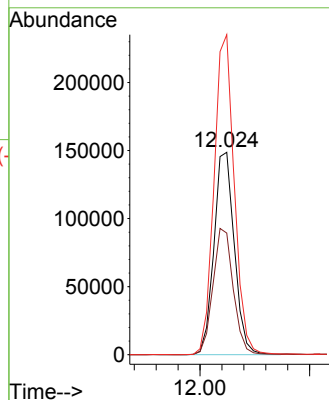
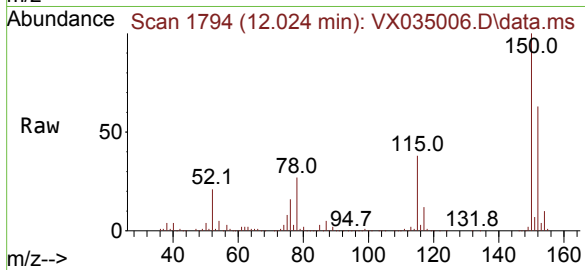
Tgt Ion:152 Resp: 192173

Ion Ratio Lower Upper

152 100

115 62.2 45.0 135.0

150 157.0 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 28.813 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX035006.D

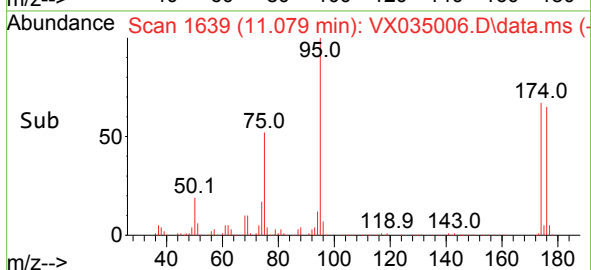
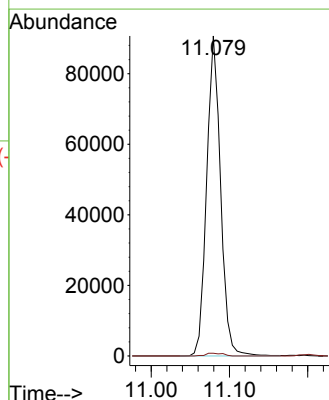
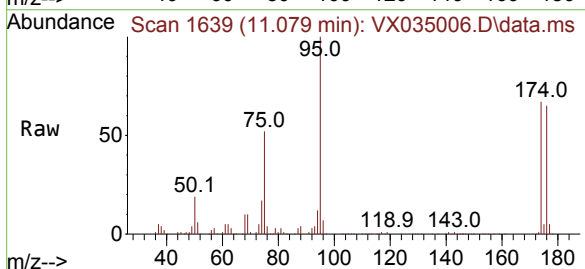
Acq: 11 Apr 2023 13:58

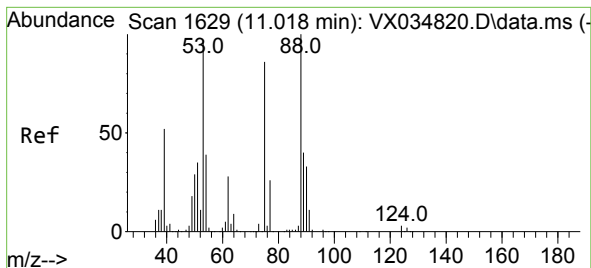
Tgt Ion: 75 Resp: 111567

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#

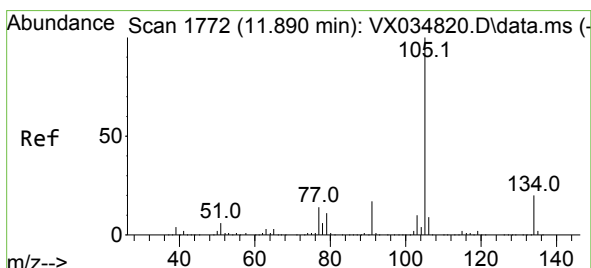
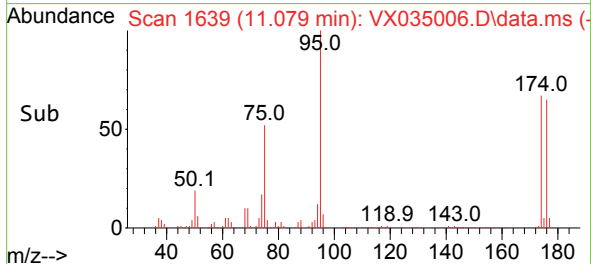
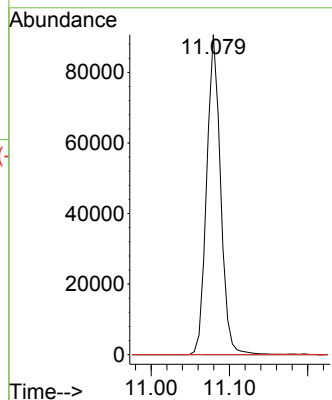
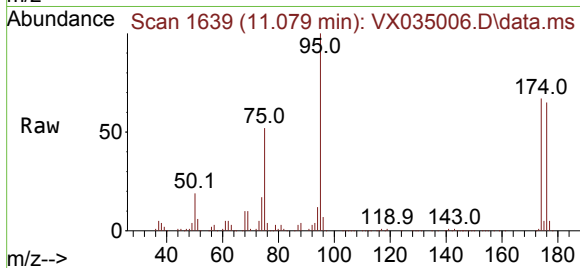




#81  
trans-1,4-Dichloro-2-butene  
Concen: 86.350 ug/l  
RT: 11.079 min Scan# 111567  
Delta R.T. 0.061 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

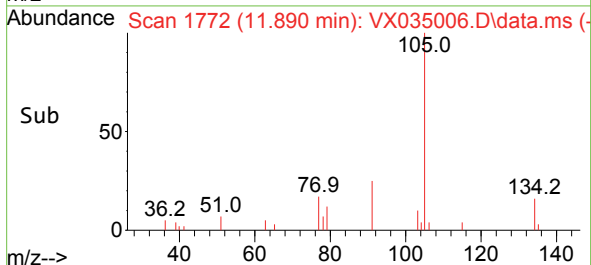
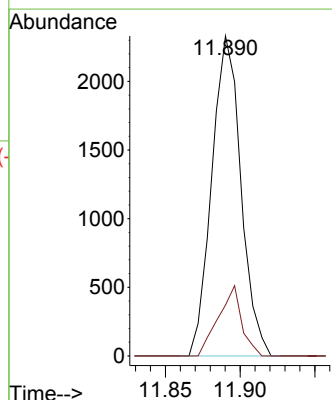
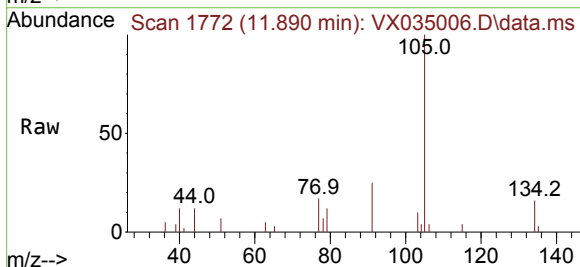
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0412MBL01

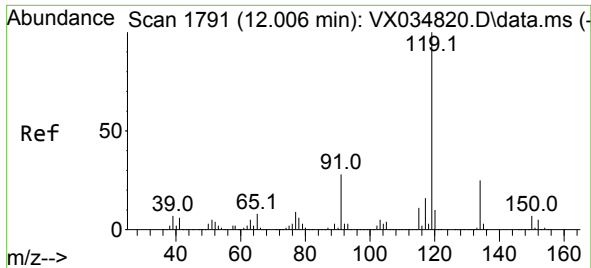
Tgt Ion: 75 Resp: 111567  
Ion Ratio Lower Upper  
75 100  
53 0.0 82.6 124.0#  
89 0.0 36.9 55.3#



#85  
sec-Butylbenzene  
Concen: 0.235 ug/l  
RT: 11.890 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

Tgt Ion: 105 Resp: 3157  
Ion Ratio Lower Upper  
105 100  
134 17.5 10.2 30.4

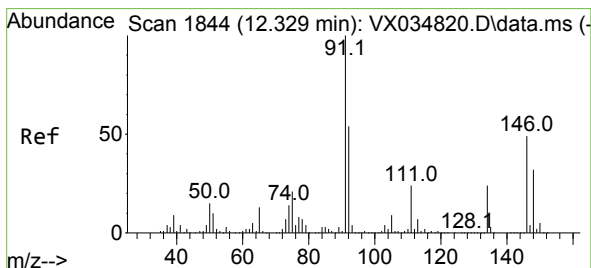
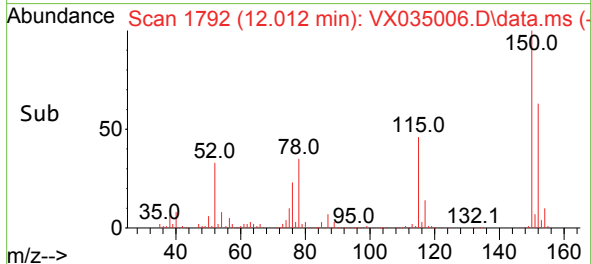
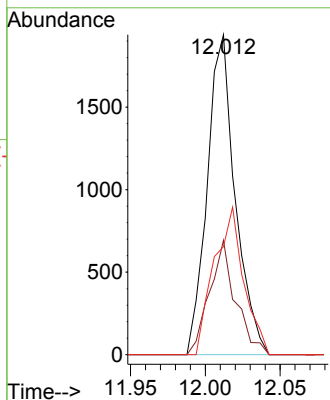
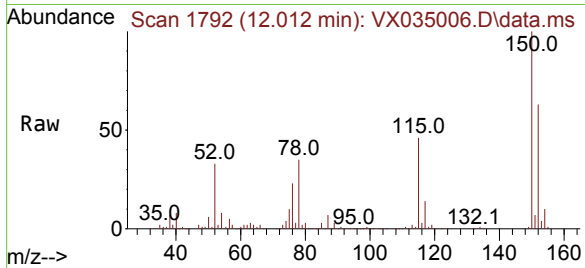




#86  
 p-Isopropyltoluene  
 Concen: 0.225 ug/l  
 RT: 12.012 min Scan# 119  
 Delta R.T. 0.006 min  
 Lab File: VX035006.D  
 Acq: 11 Apr 2023 13:58

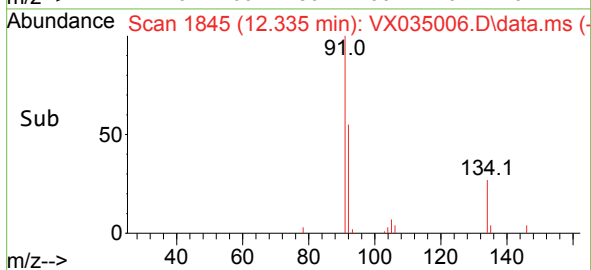
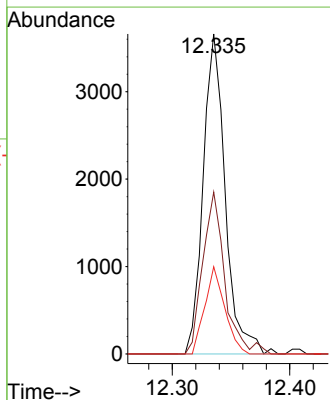
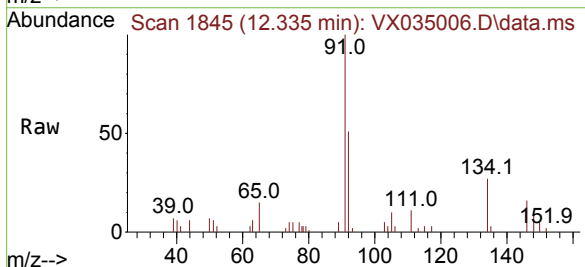
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0412MBL01

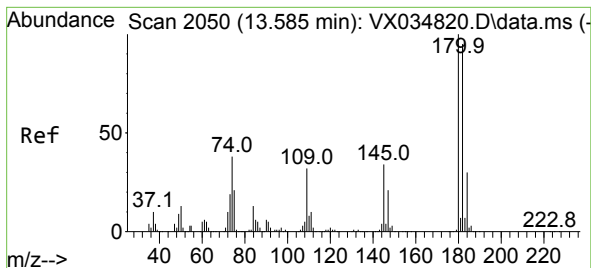
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 2521  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 33.4  | 13.2  | 39.5  |
| 91       | 48.9  | 12.9  | 38.7# |



#89  
 n-Butylbenzene  
 Concen: 0.487 ug/l  
 RT: 12.335 min Scan# 1845  
 Delta R.T. 0.006 min  
 Lab File: VX035006.D  
 Acq: 11 Apr 2023 13:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 4772  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 50.6  | 27.7  | 83.0  |
| 134      | 24.8  | 13.0  | 38.9  |





#93

1,2,4-Trichlorobenzene

Concen: 0.605 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX035006.D

Acq: 11 Apr 2023 13:58

Instrument :

MSVOA\_X

ClientSampleId :

VX0412MBL01

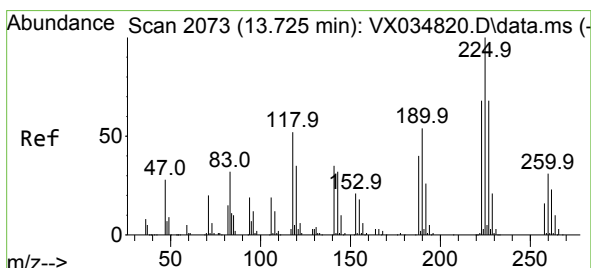
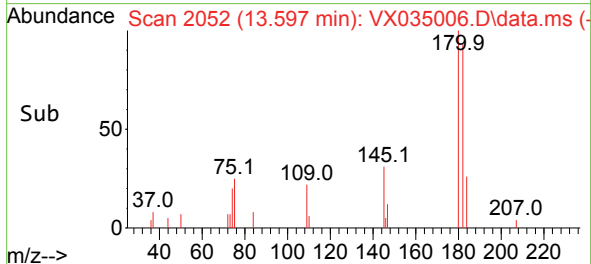
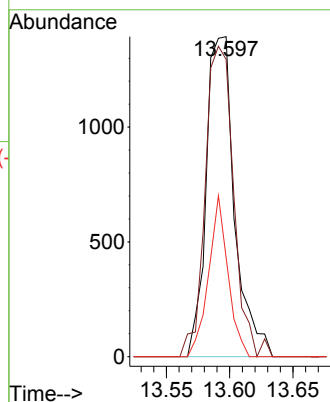
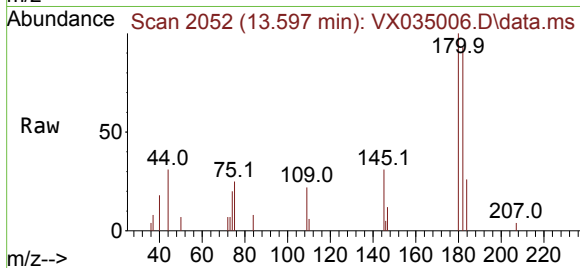
Tgt Ion:180 Resp: 2176

Ion Ratio Lower Upper

180 100

182 97.2 47.0 141.0

145 34.5 15.9 47.7



#94

Hexachlorobutadiene

Concen: 1.973 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX035006.D

Acq: 11 Apr 2023 13:58

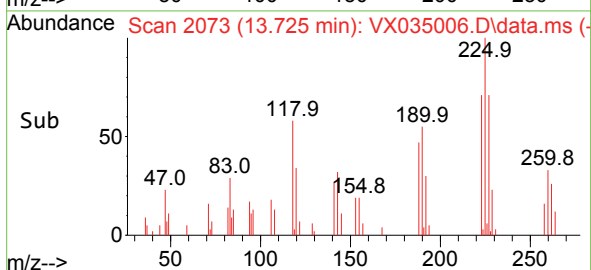
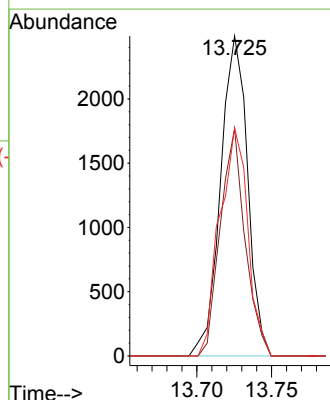
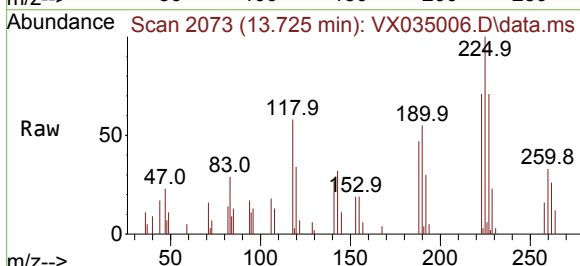
Tgt Ion:225 Resp: 3122

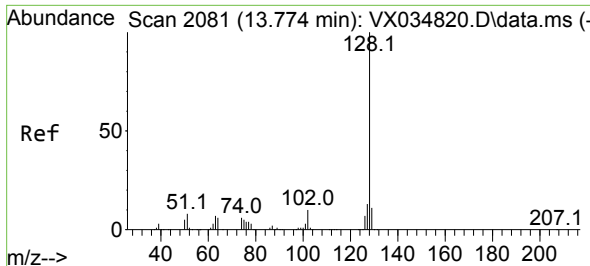
Ion Ratio Lower Upper

225 100

223 65.2 32.1 96.5

227 74.0 31.8 95.4

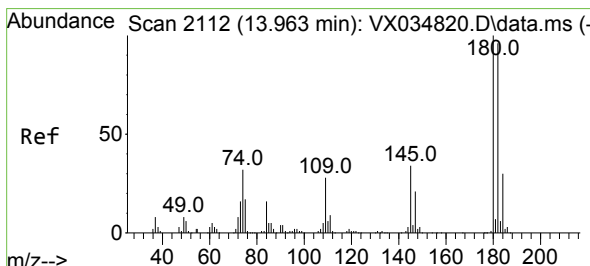
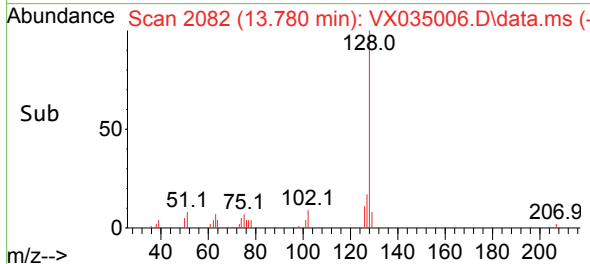
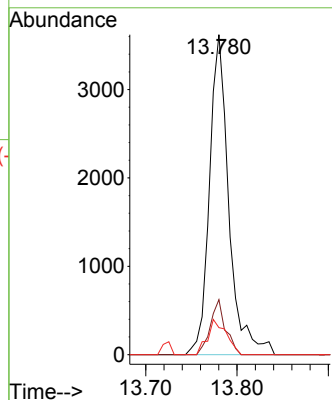
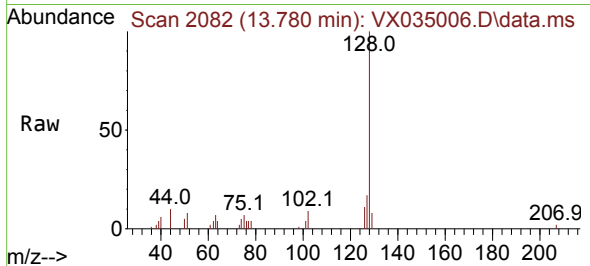




#95  
Naphthalene  
Concen: 0.417 ug/l  
RT: 13.780 min Scan# 2081  
Delta R.T. 0.006 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0412MBL01

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 5329 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 127       | 13.4  | 10.2  | 15.4 |
| 129       | 10.5  | 8.6   | 13.0 |



#96  
1,2,3-Trichlorobenzene  
Concen: 0.675 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: VX035006.D  
Acq: 11 Apr 2023 13:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 2450  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 86.9  | 48.0  | 144.2 |
| 145       | 31.1  | 17.7  | 53.1  |

