

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011023\  
 Data File : VN076180.D  
 Acq On : 10 Jan 2023 14:01  
 Operator : JC\MD  
 Sample : 01067-01  
 Misc : 1.05gr/10mL/100uL/5.0mL/MSVOA\_N/MeOH  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jan 11 01:05:05 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

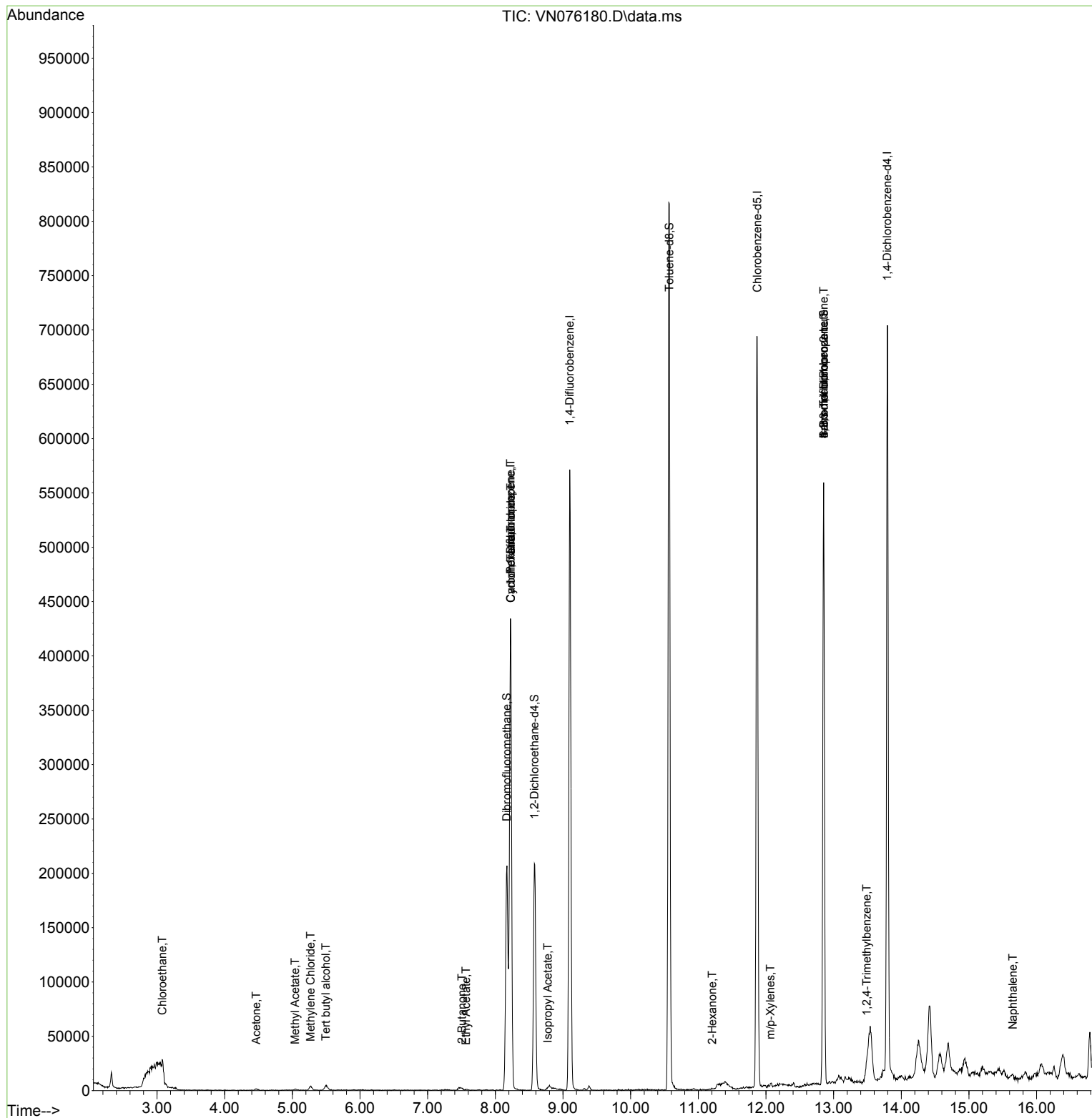
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 8.224          | 168  | 328587     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100          | 114  | 518175     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.870         | 117  | 436391     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794         | 152  | 192493     | 50.000  | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.577          | 65   | 171440     | 47.959  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 95.920% |        |          |
| 35) Dibromofluoromethane      | 8.171          | 113  | 150180     | 46.800  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 93.600% |        |          |
| 50) Toluene-d8                | 10.571         | 98   | 592122     | 49.352  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 98.700% |        |          |
| 62) 4-Bromofluorobenzene      | 12.853         | 95   | 181687     | 45.720  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 91.440% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 6) Chloroethane               | 3.077          | 64   | 2716       | 1.060   | ug/l # | 44       |
| 11) Tert butyl alcohol        | 5.494          | 59   | 3967       | 7.843   | ug/l # | 72       |
| 16) Acetone                   | 4.465          | 43   | 2469       | 2.004   | ug/l   | 99       |
| 18) Methyl Acetate            | 5.041          | 43   | 2036       | 0.559   | ug/l # | 70       |
| 20) Methylene Chloride        | 5.271          | 84   | 2970       | 0.264   | ug/l # | 90       |
| 25) 2-Butanone                | 7.506          | 43   | 1599       | 0.927   | ug/l # | 40       |
| 31) Cyclohexane               | 8.229          | 56   | 6138       | 1.199   | ug/l # | 26       |
| 36) 1,1-Dichloropropene       | 8.224          | 75   | 23933      | 5.614   | ug/l # | 49       |
| 37) Ethyl Acetate             | 7.565          | 43   | 2131       | 0.622   | ug/l # | 65       |
| 38) Carbon Tetrachloride      | 8.229          | 117  | 32556      | 6.824   | ug/l # | 15       |
| 43) Isopropyl Acetate         | 8.777          | 43   | 1611       | 0.285   | ug/l # | 50       |
| 59) 2-Hexanone                | 11.206         | 43   | 937        | 0.376   | ug/l   | 62       |
| 68) m/p-Xylenes               | 12.065         | 106  | 1214       | 0.203   | ug/l # | 69       |
| 71) Bromoform                 | 12.853         | 173  | 1703       | 0.705   | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.853         | 75   | 94181      | 24.272  | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853         | 75   | 94181      | 87.368  | ug/l # | 12       |
| 84) 1,2,4-Trimethylbenzene    | 13.488         | 105  | 2469       | 0.214   | ug/l   | 71       |
| 95) Naphthalene               | 15.647         | 128  | 5025       | 2.636   | ug/l # | 79       |
| -----                         |                |      |            |         |        |          |

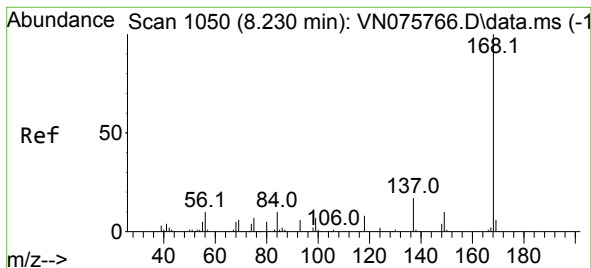
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
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Quant Time: Jan 11 01:05:05 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 14 13:03:41 2022  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN076180.D

Acq: 10 Jan 2023 14:01

Instrument :

MSVOA\_N

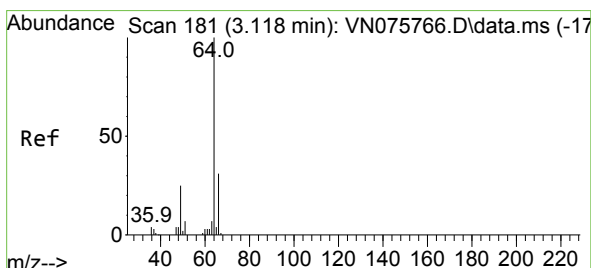
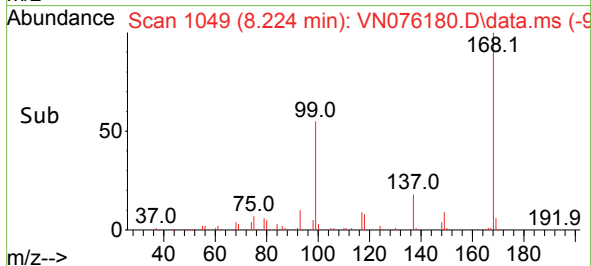
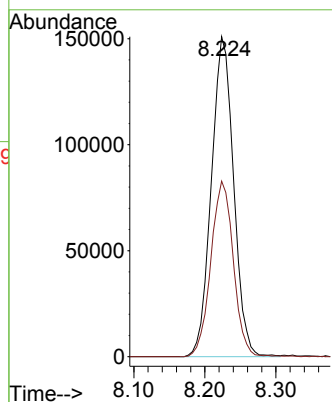
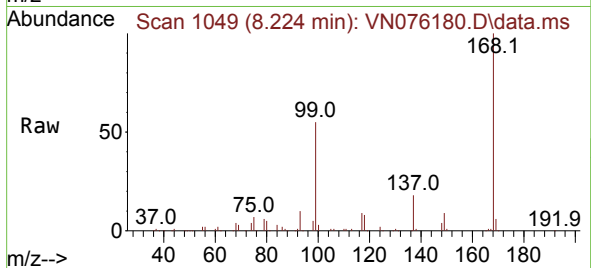
ClientSampleId :

Tgt Ion:168 Resp: 328587

Ion Ratio Lower Upper

168 100

99 54.9 44.2 66.4



#6

Chloroethane

Concen: 1.060 ug/l

RT: 3.077 min Scan# 174

Delta R.T. -0.041 min

Lab File: VN076180.D

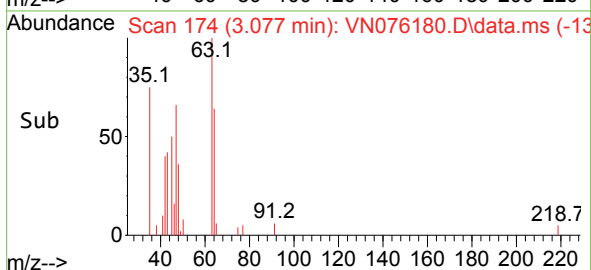
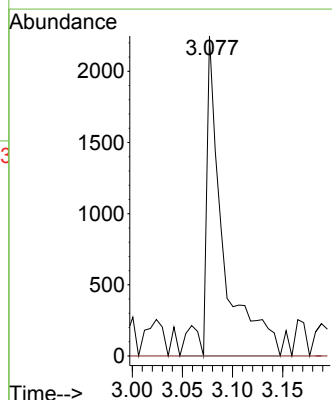
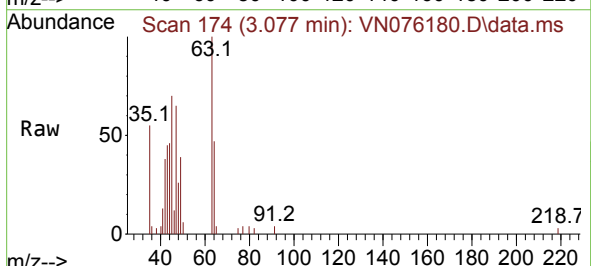
Acq: 10 Jan 2023 14:01

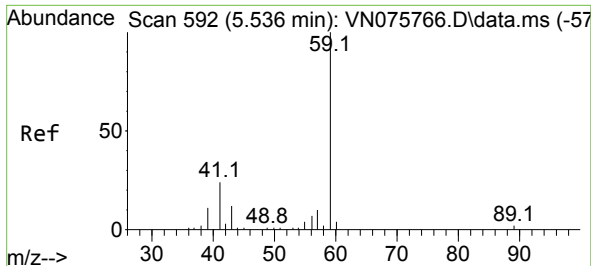
Tgt Ion: 64 Resp: 2716

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#

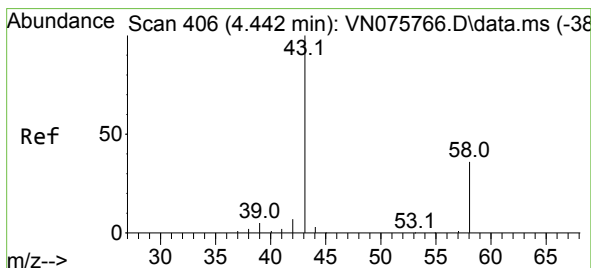
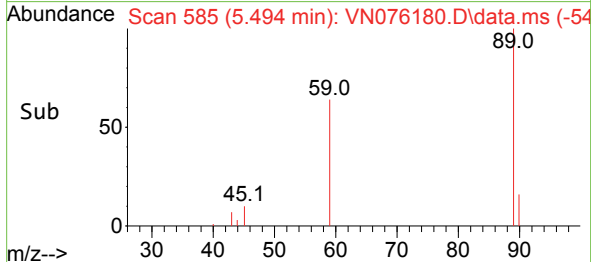
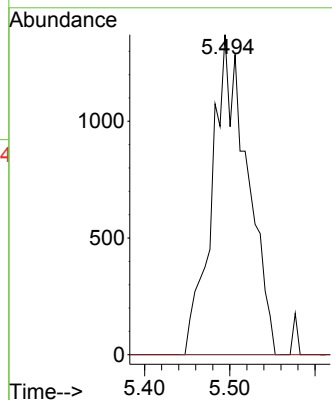
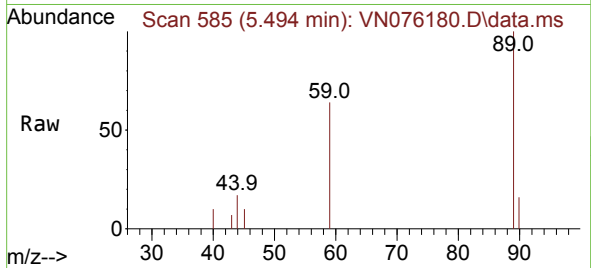




#11  
Tert butyl alcohol  
Concen: 7.843 ug/l  
RT: 5.494 min Scan# 51  
Delta R.T. -0.041 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

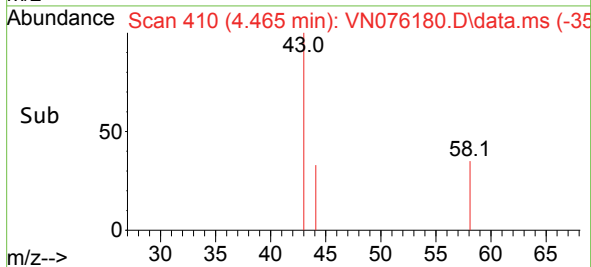
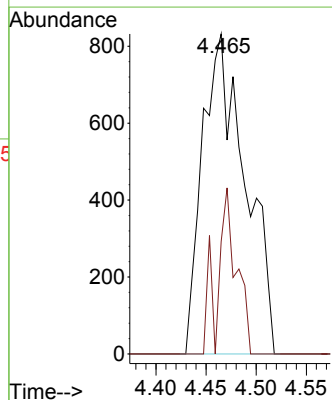
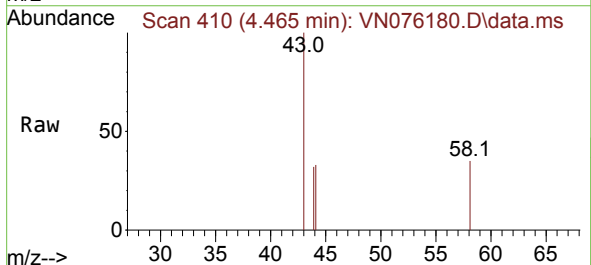
Instrument :  
MSVOA\_N  
ClientSampleId :

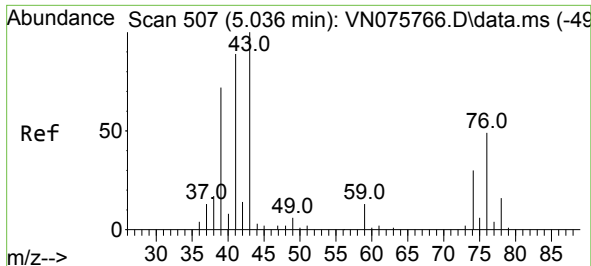
Tgt Ion: 59 Resp: 3967  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#



#16  
Acetone  
Concen: 2.004 ug/l  
RT: 4.465 min Scan# 410  
Delta R.T. 0.023 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

Tgt Ion: 43 Resp: 2469  
Ion Ratio Lower Upper  
43 100  
58 35.1 28.6 43.0

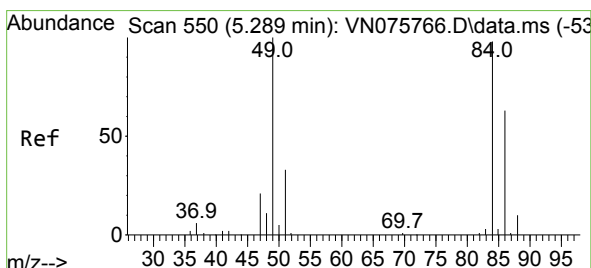
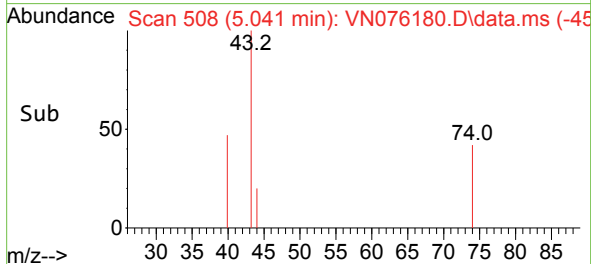
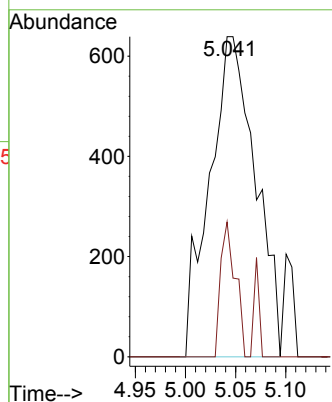
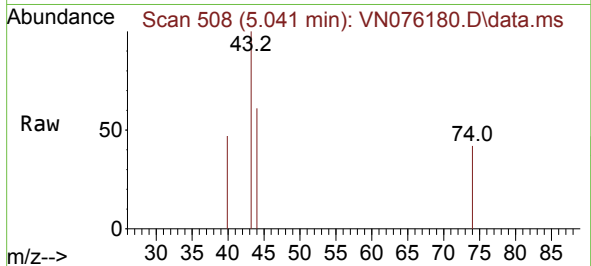




#18  
Methyl Acetate  
Concen: 0.559 ug/l  
RT: 5.041 min Scan# 507  
Delta R.T. 0.006 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

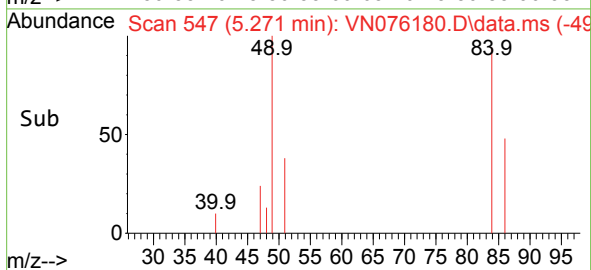
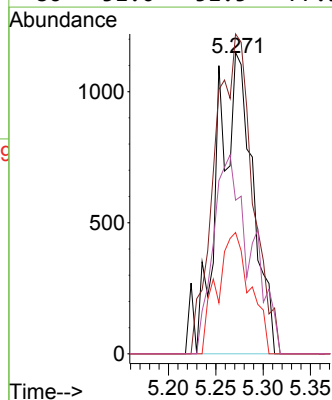
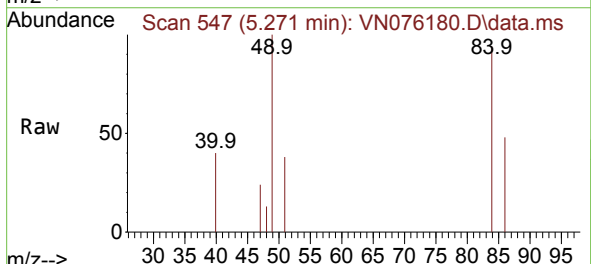
Instrument :  
MSVOA\_N  
ClientSampleId :

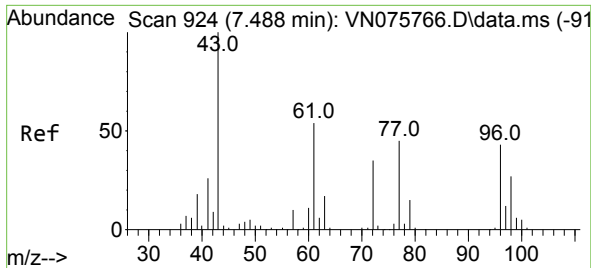
Tgt Ion: 43 Resp: 2036  
Ion Ratio Lower Upper  
43 100  
74 13.5 23.6 35.4#



#20  
Methylene Chloride  
Concen: 0.264 ug/l  
RT: 5.271 min Scan# 547  
Delta R.T. -0.018 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

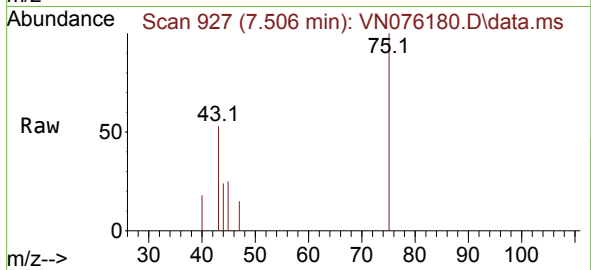
Tgt Ion: 84 Resp: 2970  
Ion Ratio Lower Upper  
84 100  
49 106.2 81.8 122.6  
51 40.3 26.7 40.1#  
86 51.0 51.5 77.3#



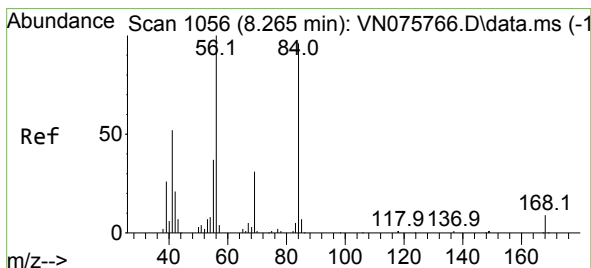
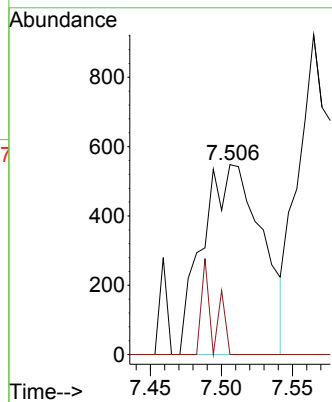
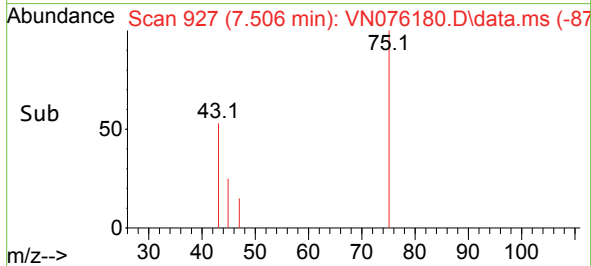


#25  
2-Butanone  
Concen: 0.927 ug/l  
RT: 7.506 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

Instrument :  
MSVOA\_N  
ClientSampleId :

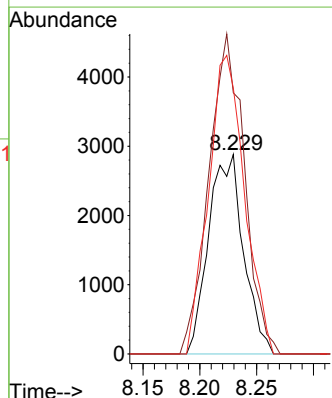
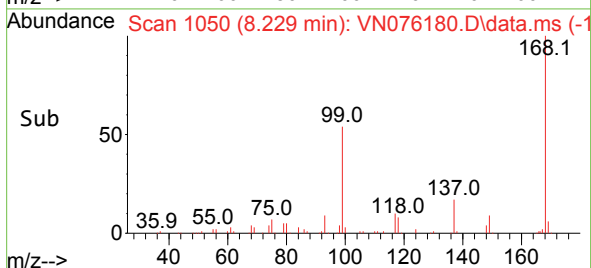
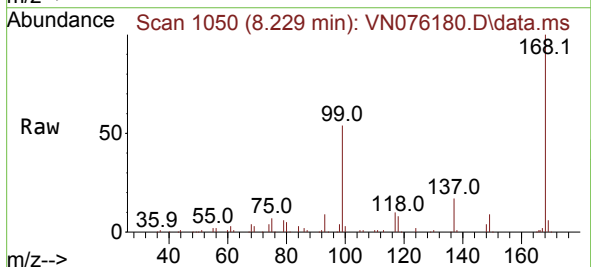


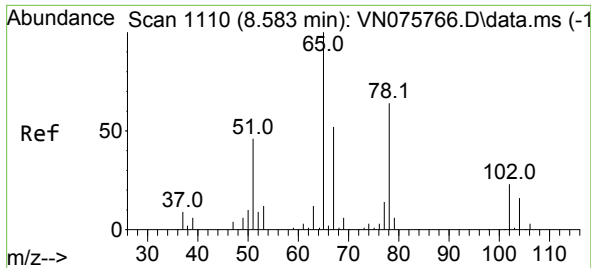
Tgt Ion: 43 Resp: 1599  
Ion Ratio Lower Upper  
43 100  
72 0.0 28.0 42.0#



#31  
Cyclohexane  
Concen: 1.199 ug/l  
RT: 8.229 min Scan# 1050  
Delta R.T. -0.035 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

Tgt Ion: 56 Resp: 6138  
Ion Ratio Lower Upper  
56 100  
69 130.9 24.7 37.1#  
84 133.3 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 47.959 ug/l

RT: 8.577 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VN076180.D

Acq: 10 Jan 2023 14:01

Instrument :

MSVOA\_N

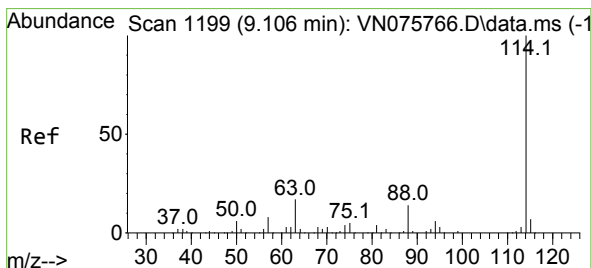
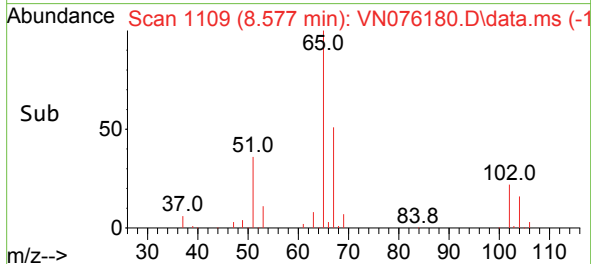
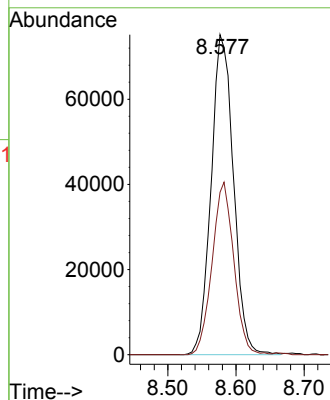
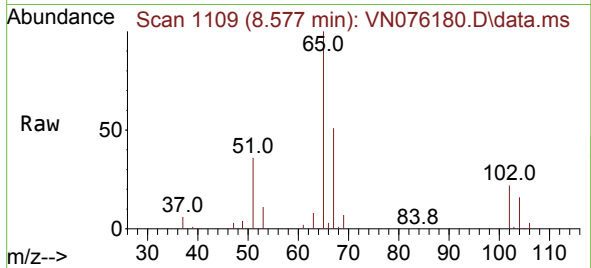
ClientSampleId :

Tgt Ion: 65 Resp: 171440

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1198

Delta R.T. -0.006 min

Lab File: VN076180.D

Acq: 10 Jan 2023 14:01

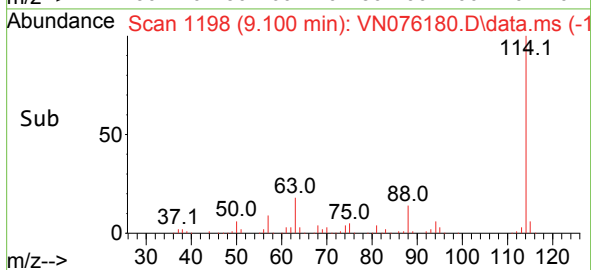
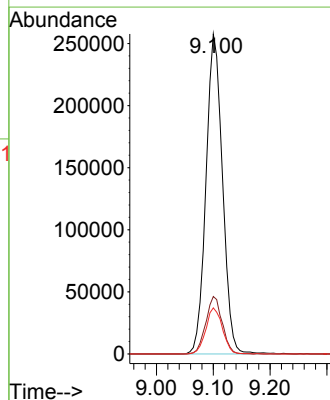
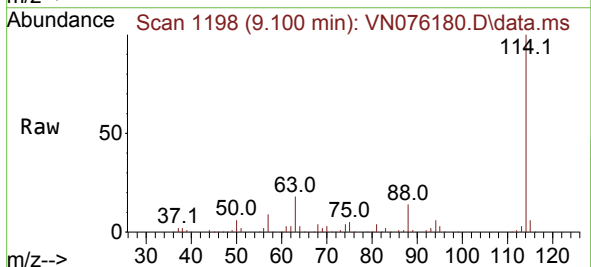
Tgt Ion: 114 Resp: 518175

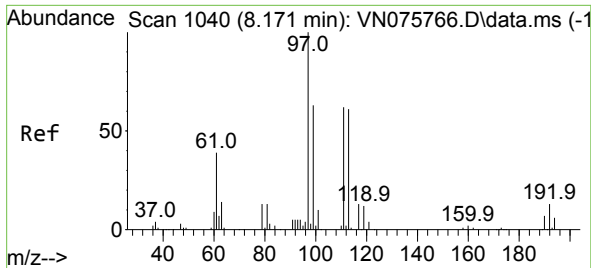
Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.4

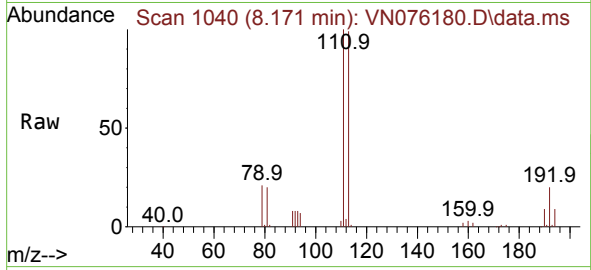
88 14.4 0.0 28.8



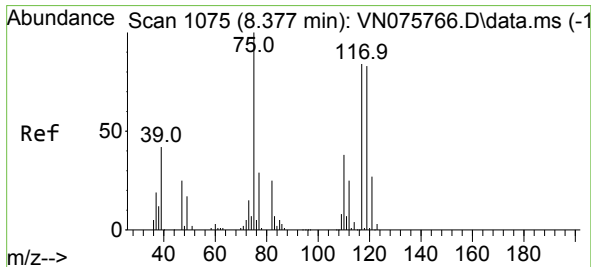
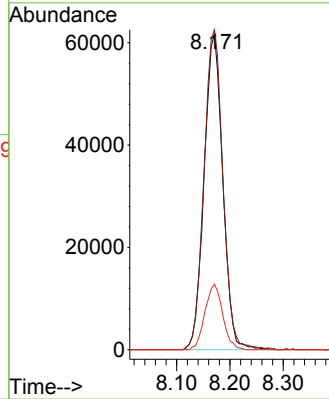
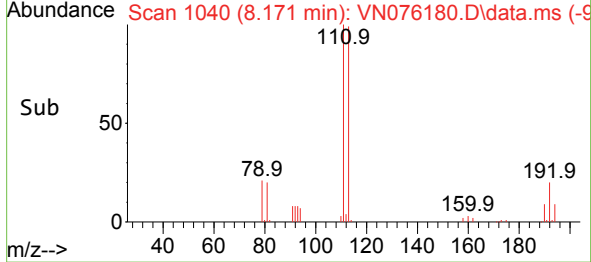


#35  
Dibromofluoromethane  
Concen: 46.800 ug/l  
RT: 8.171 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

Instrument :  
MSVOA\_N  
ClientSampleId :

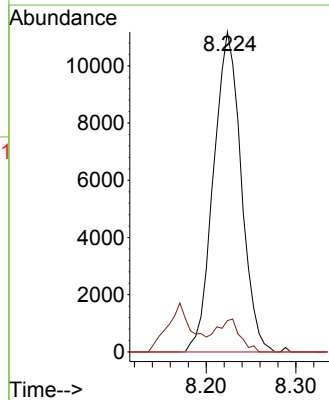
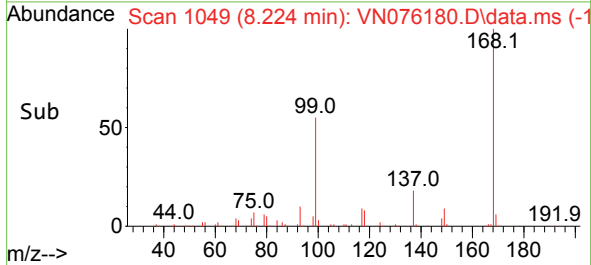
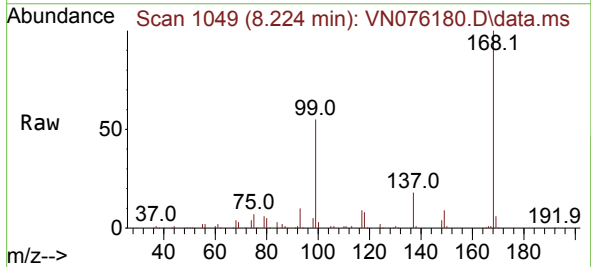


Tgt Ion:113 Resp: 150180  
Ion Ratio Lower Upper  
113 100  
111 103.0 83.4 125.2  
192 19.8 16.1 24.1

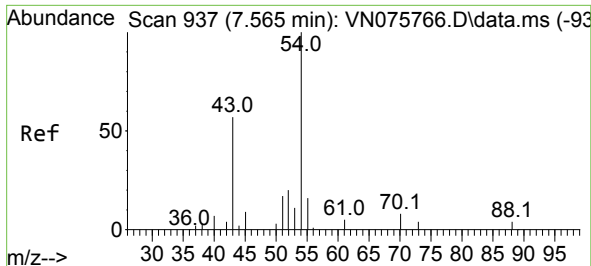


#36  
1,1-Dichloropropene  
Concen: 5.614 ug/l  
RT: 8.224 min Scan# 1049  
Delta R.T. -0.153 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

Tgt Ion: 75 Resp: 23933  
Ion Ratio Lower Upper  
75 100  
110 8.8 18.8 56.4#  
77 0.0 24.1 36.1#

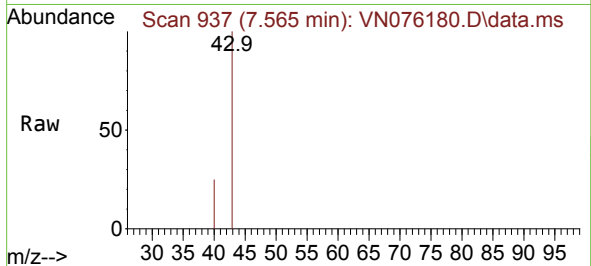




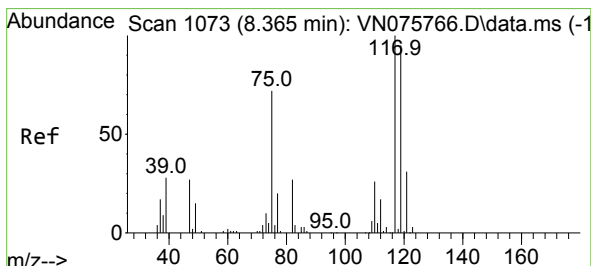
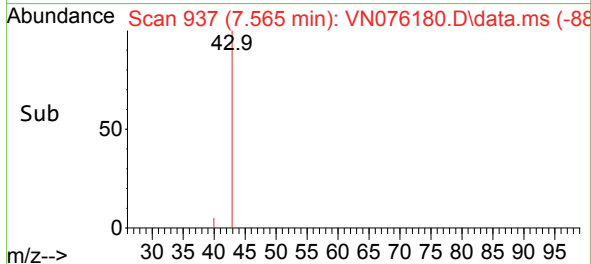
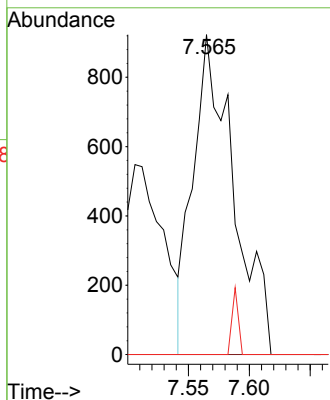


#37  
Ethyl Acetate  
Concen: 0.622 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

Instrument :  
MSVOA\_N  
ClientSampleId :

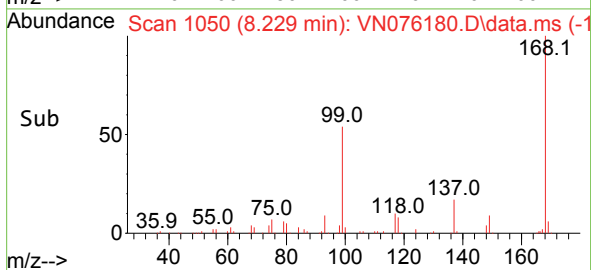
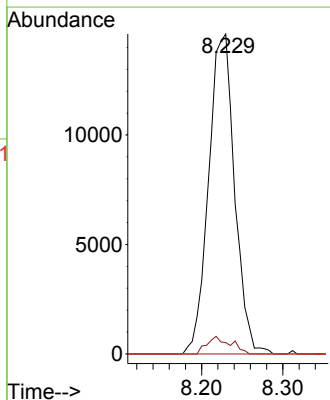
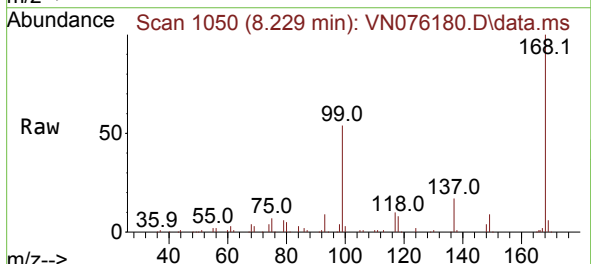


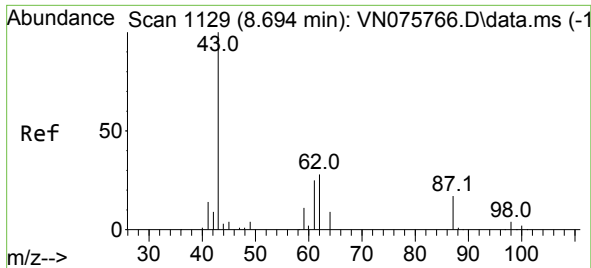
Tgt Ion: 43 Resp: 2131  
Ion Ratio Lower Upper  
43 100  
61 0.0 13.0 19.4#  
70 0.0 9.4 14.0#



#38  
Carbon Tetrachloride  
Concen: 6.824 ug/l  
RT: 8.229 min Scan# 1050  
Delta R.T. -0.135 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

Tgt Ion: 117 Resp: 32556  
Ion Ratio Lower Upper  
117 100  
119 3.5 76.1 114.1#  
121 0.0 24.5 36.7#

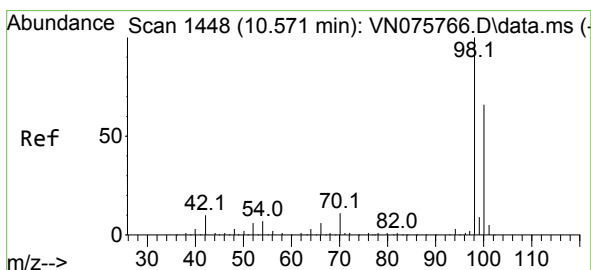
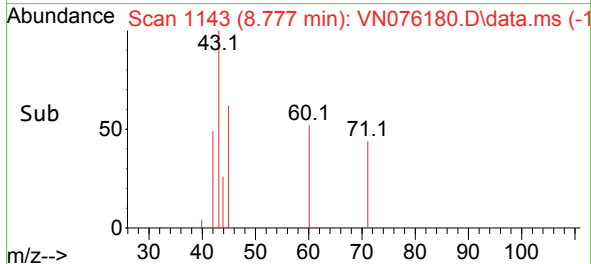
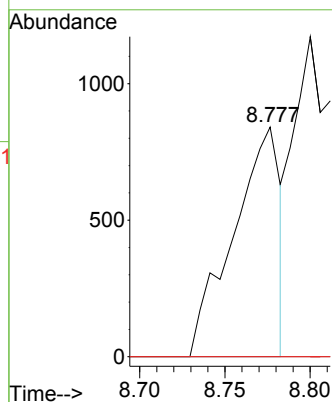
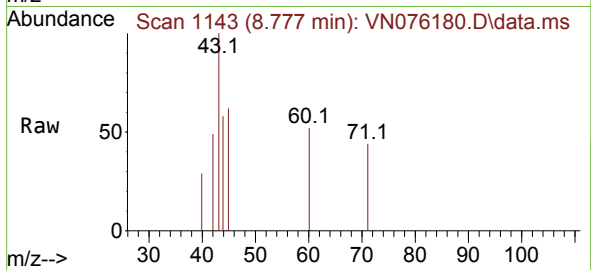




#43  
Isopropyl Acetate  
Concen: 0.285 ug/l  
RT: 8.777 min Scan# 1129  
Delta R.T. 0.082 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

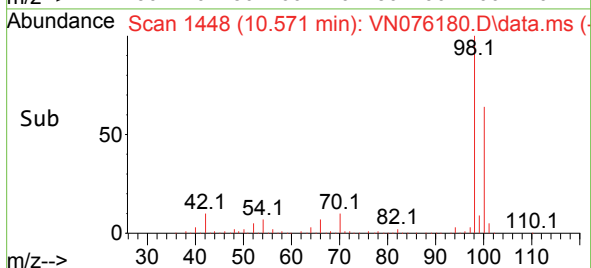
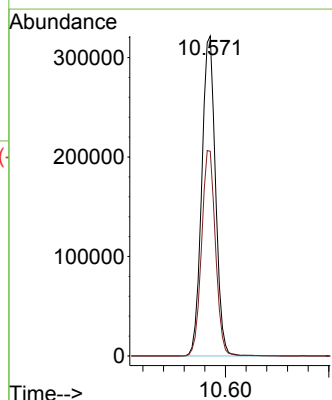
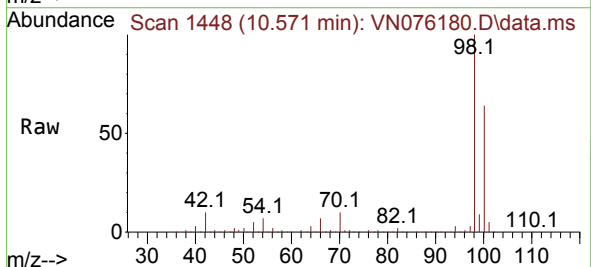
Instrument :  
MSVOA\_N  
ClientSampleId :

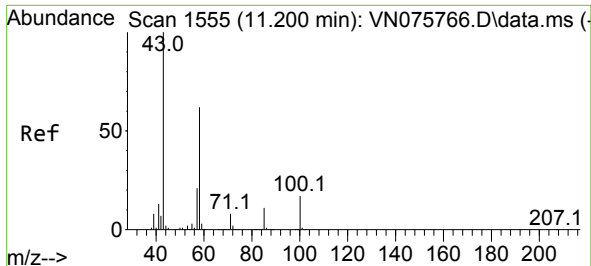
Tgt Ion: 43 Resp: 1611  
Ion Ratio Lower Upper  
43 100  
61 0.0 24.2 36.4#  
87 0.0 13.3 19.9#



#50  
Toluene-d8  
Concen: 49.352 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

Tgt Ion: 98 Resp: 592122  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.1 78.1

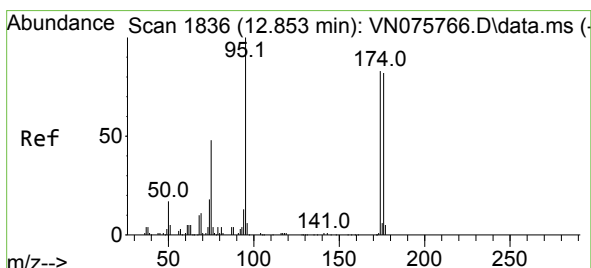
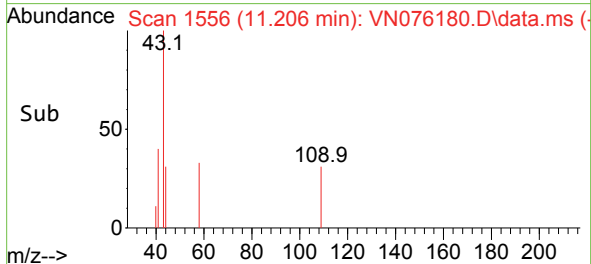
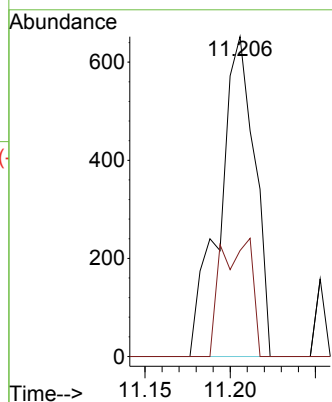
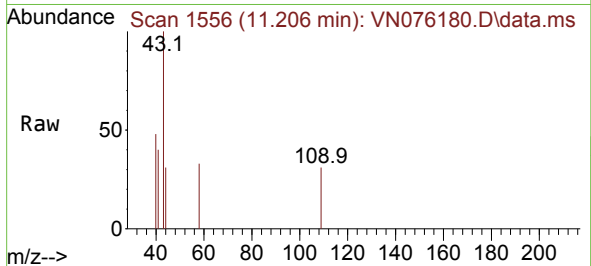




#59  
2-Hexanone  
Concen: 0.376 ug/l  
RT: 11.206 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

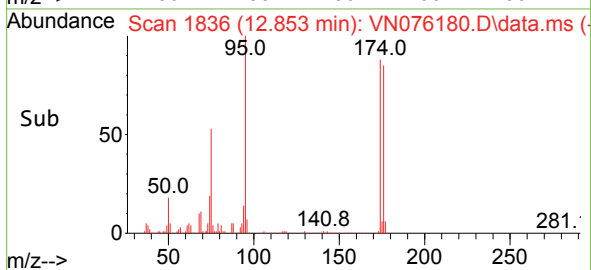
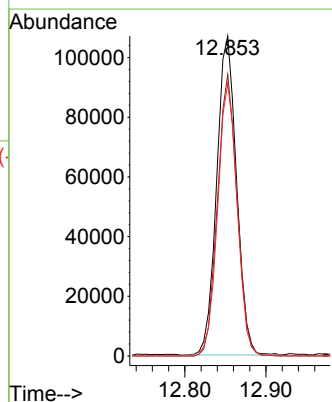
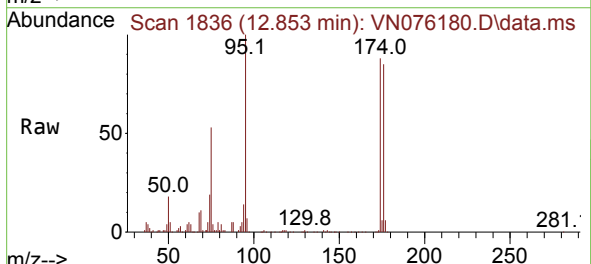
Instrument :  
MSVOA\_N  
ClientSampleId :

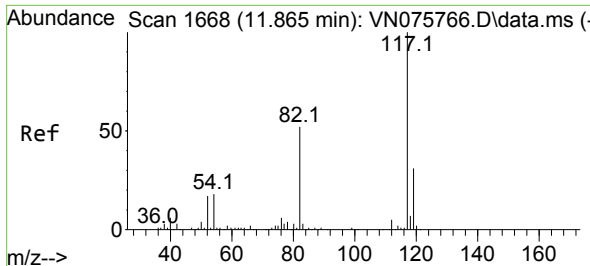
Tgt Ion: 43 Resp: 937  
Ion Ratio Lower Upper  
43 100  
58 32.4 30.6 92.0



#62  
4-Bromofluorobenzene  
Concen: 45.720 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

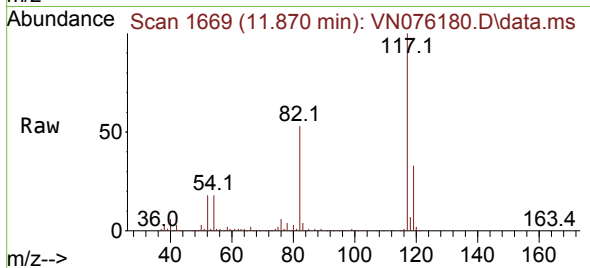
Tgt Ion: 95 Resp: 181687  
Ion Ratio Lower Upper  
95 100  
174 87.3 0.0 171.6  
176 83.7 0.0 169.2



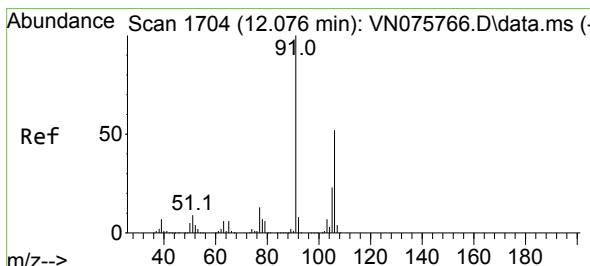
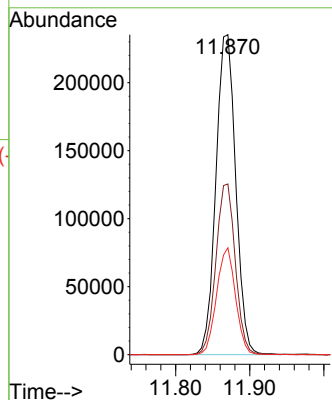
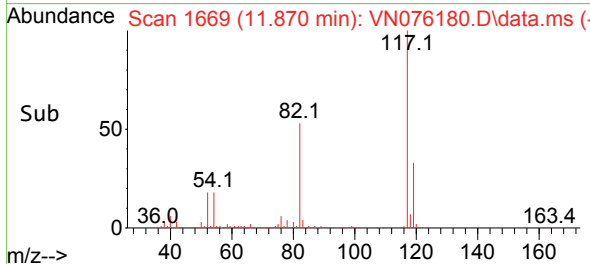


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1170  
Delta R.T. 0.006 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

Instrument :  
MSVOA\_N  
ClientSampleId :

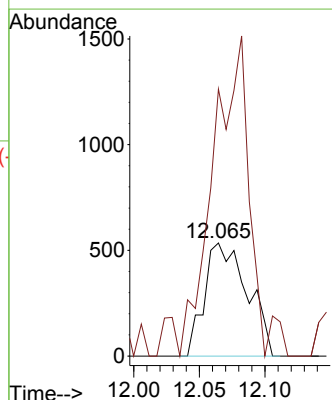
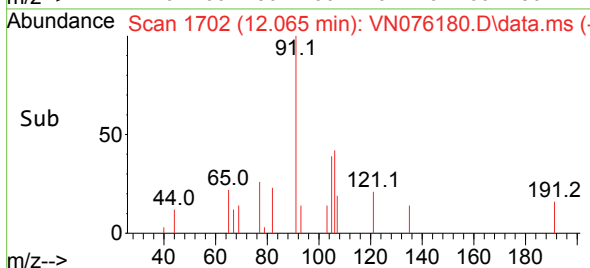
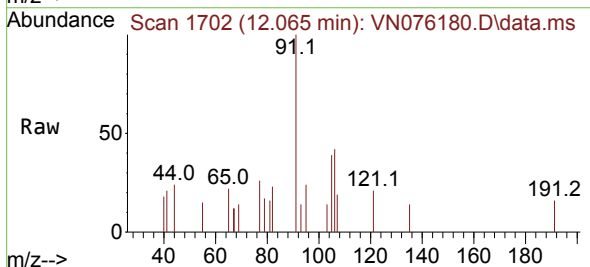


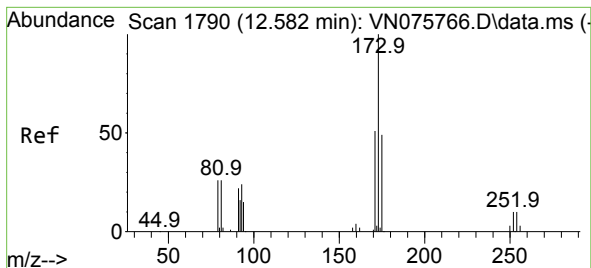
Tgt Ion:117 Resp: 436391  
Ion Ratio Lower Upper  
117 100  
82 53.4 41.3 61.9  
119 33.4 24.6 37.0



#68  
m/p-Xylenes  
Concen: 0.203 ug/l  
RT: 12.065 min Scan# 1702  
Delta R.T. -0.012 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

Tgt Ion:106 Resp: 1214  
Ion Ratio Lower Upper  
106 100  
91 242.7 156.6 235.0#





#71

Bromoform

Concen: 0.705 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.270 min

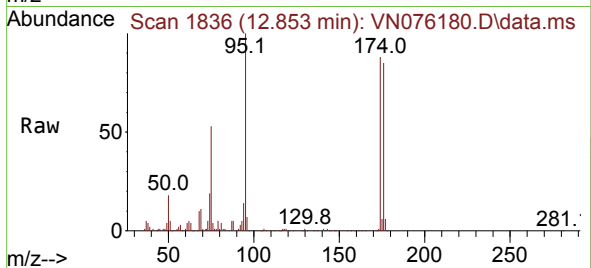
Lab File: VN076180.D

Acq: 10 Jan 2023 14:01

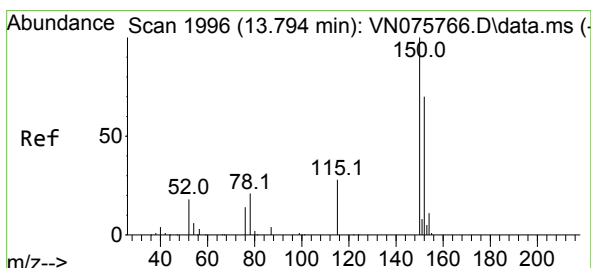
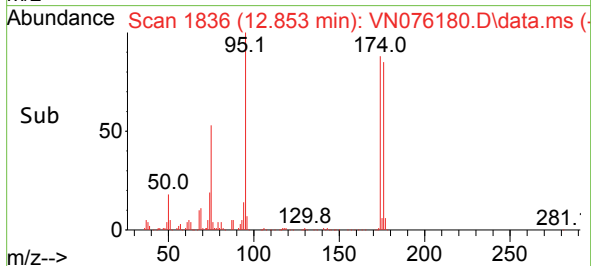
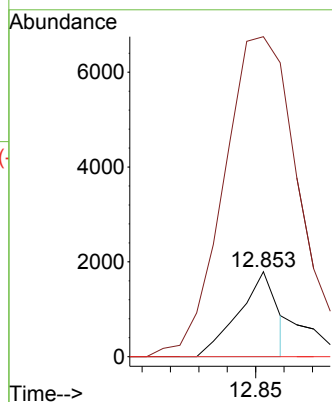
Instrument :

MSVOA\_N

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 1703  |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 577.6 | 24.3  | 72.8# |
| 254       | 0.0   | 0.0   | 0.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

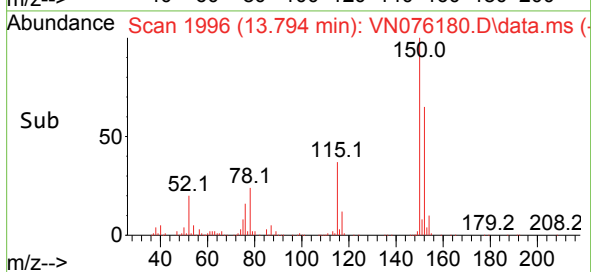
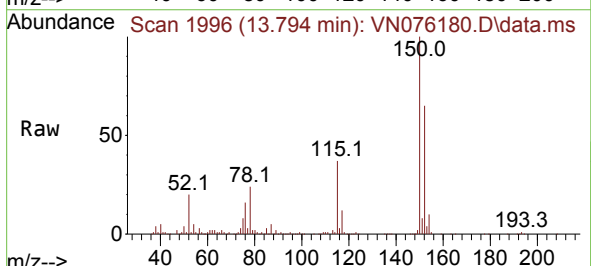
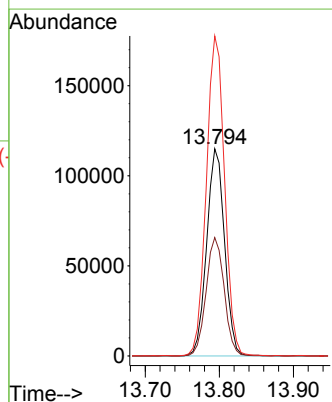
RT: 13.794 min Scan# 1996

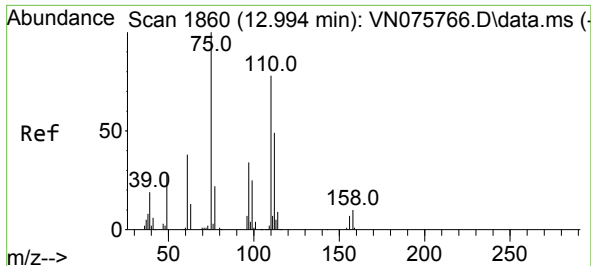
Delta R.T. -0.000 min

Lab File: VN076180.D

Acq: 10 Jan 2023 14:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 192493 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 58.0  | 29.1  | 87.4   |
| 150       | 157.4 | 0.0   | 347.0  |

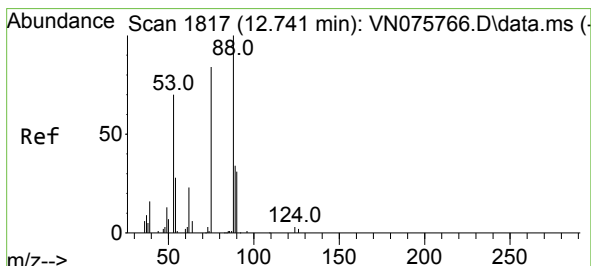
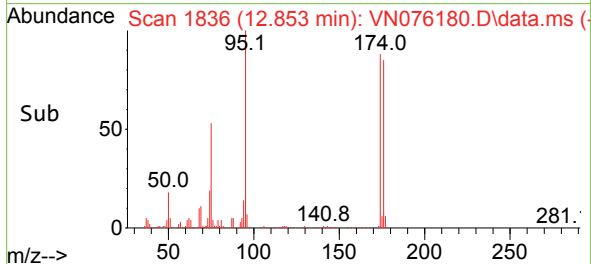
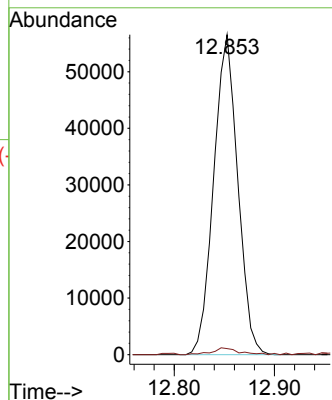
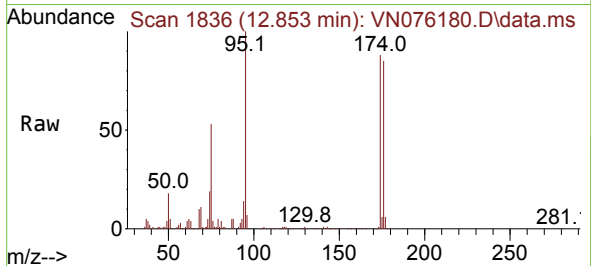




#76  
1,2,3-Trichloropropane  
Concen: 24.272 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.141 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

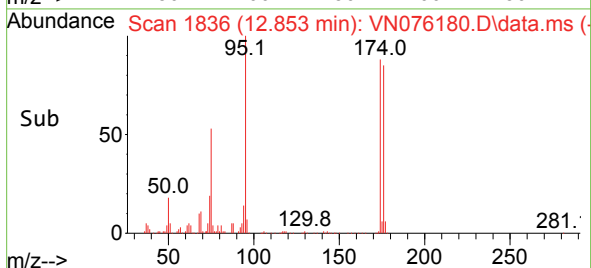
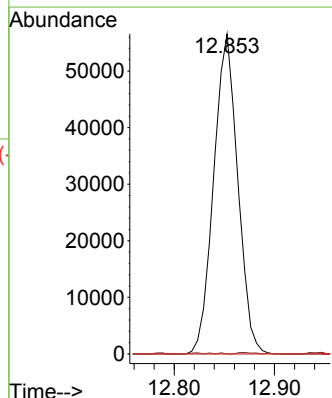
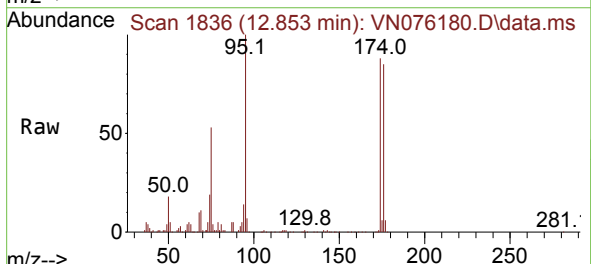
Instrument :  
MSVOA\_N  
ClientSampleId :

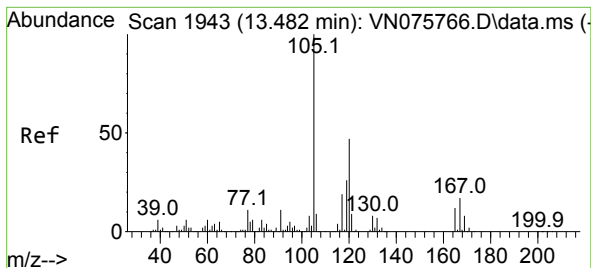
Tgt Ion: 75 Resp: 94181  
Ion Ratio Lower Upper  
75 100  
77 2.4 82.6 247.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 87.368 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.112 min  
Lab File: VN076180.D  
Acq: 10 Jan 2023 14:01

Tgt Ion: 75 Resp: 94181  
Ion Ratio Lower Upper  
75 100  
53 0.4 73.8 110.6#  
89 0.0 39.5 59.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.214 ug/l

RT: 13.488 min Scan# 1944

Delta R.T. 0.006 min

Lab File: VN076180.D

Acq: 10 Jan 2023 14:01

Instrument :

MSVOA\_N

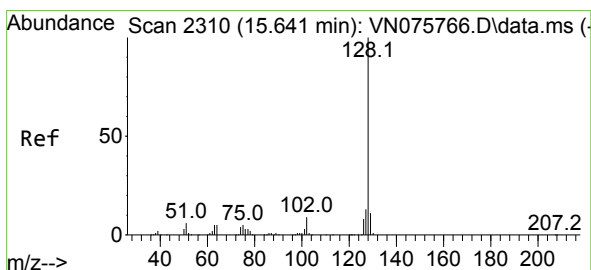
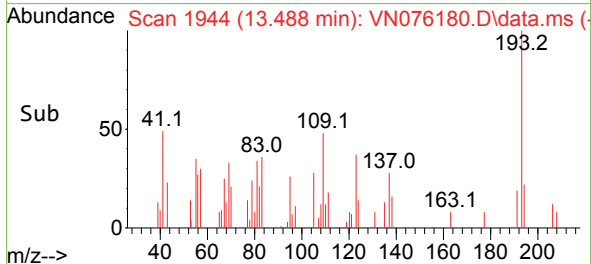
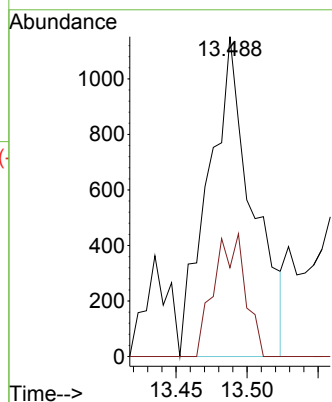
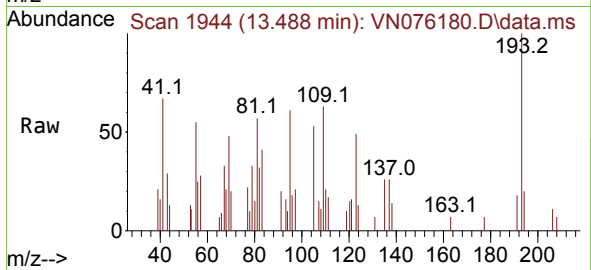
ClientSampleId :

Tgt Ion:105 Resp: 2469

Ion Ratio Lower Upper

105 100

120 27.5 23.3 69.8



#95

Naphthalene

Concen: 2.636 ug/l

RT: 15.647 min Scan# 2311

Delta R.T. 0.006 min

Lab File: VN076180.D

Acq: 10 Jan 2023 14:01

Tgt Ion:128 Resp: 5025

Ion Ratio Lower Upper

128 100

127 12.1 10.4 15.6

129 27.5 8.7 13.1#

