

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021623\  
 Data File : VN076709.D  
 Acq On : 16 Feb 2023 14:15  
 Operator : JC\MD  
 Sample : 01578-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Feb 17 00:10:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021323W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 14 01:44:47 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.231  | 168  | 354730   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.107  | 114  | 598049   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.866 | 117  | 537344   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.795 | 152  | 228861   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.584  | 65    | 237351   | 48.456   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 96.920% |
| 35) Dibromofluoromethane    | 8.178  | 113   | 184222   | 47.037   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 94.080% |
| 50) Toluene-d8              | 10.572 | 98    | 722539   | 49.400   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 98.800% |
| 62) 4-Bromofluorobenzene    | 12.848 | 95    | 237029   | 48.929   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 97.860% |

|                             |        |     |         |          |        |     |
|-----------------------------|--------|-----|---------|----------|--------|-----|
| Target Compounds            |        |     |         | Qvalue   |        |     |
| 4) Vinyl Chloride           | 2.531  | 62  | 1908    | 0.394    | ug/l   | 93  |
| 5) Bromomethane             | 2.978  | 94  | 1083    | 0.370    | ug/l # | 6   |
| 8) Diethyl Ether            | 3.966  | 74  | 10199   | 4.022    | ug/l   | 96  |
| 11) Tert butyl alcohol      | 5.531  | 59  | 3577895 | 5533.742 | ug/l   | 98  |
| 14) Allyl chloride          | 4.948  | 41  | 37621   | 5.930    | ug/l # | 35  |
| 15) Acrylonitrile           | 5.537  | 53  | 39242   | 17.102   | ug/l # | 24  |
| 16) Acetone                 | 4.437  | 43  | 420974  | 192.400  | ug/l   | 96  |
| 17) Carbon Disulfide        | 4.725  | 76  | 3076    | 0.318    | ug/l # | 73  |
| 19) Methyl tert-butyl Ether | 5.801  | 73  | 25310   | 2.050    | ug/l # | 85  |
| 25) 2-Butanone              | 7.489  | 43  | 952587  | 295.149  | ug/l   | 99  |
| 26) 2,2-Dichloropropane     | 7.442  | 77  | 165663  | 28.163   | ug/l # | 52  |
| 27) cis-1,2-Dichloroethene  | 7.501  | 96  | 3431    | 0.702    | ug/l # | 13  |
| 28) Bromochloromethane      | 7.848  | 49  | 2711    | 0.698    | ug/l # | 16  |
| 29) Tetrahydrofuran         | 7.842  | 42  | 1194281 | 566.365  | ug/l   | 100 |
| 31) Cyclohexane             | 8.231  | 56  | 10123   | 1.317    | ug/l # | 1   |
| 37) Ethyl Acetate           | 7.489  | 43  | 952587  | 159.998  | ug/l # | 71  |
| 38) Carbon Tetrachloride    | 8.225  | 117 | 36716   | 6.432    | ug/l # | 16  |
| 40) Benzene                 | 8.607  | 78  | 98793   | 5.685    | ug/l   | 92  |
| 41) Methacrylonitrile       | 7.842  | 41  | 649016  | 188.170  | ug/l # | 50  |
| 42) 1,2-Dichloroethane      | 8.684  | 62  | 1992    | 0.329    | ug/l # | 74  |
| 43) Isopropyl Acetate       | 8.660  | 43  | 14533   | 1.500    | ug/l # | 60  |
| 48) Methyl methacrylate     | 9.689  | 41  | 2721    | 0.592    | ug/l # | 81  |
| 49) 1,4-Dioxane             | 9.701  | 88  | 6289    | 79.083   | ug/l # | 80  |
| 51) 4-Methyl-2-Pentanone    | 10.442 | 43  | 38918   | 6.314    | ug/l # | 86  |
| 52) Toluene                 | 10.630 | 92  | 49575   | 4.725    | ug/l   | 98  |
| 59) 2-Hexanone              | 11.060 | 43  | 24150   | 5.434    | ug/l   | 73  |
| 65) Chlorobenzene           | 11.889 | 112 | 21167   | 1.859    | ug/l # | 84  |
| 67) Ethyl Benzene           | 11.966 | 91  | 175873  | 9.065    | ug/l   | 97  |
| 68) m/p-Xylenes             | 12.072 | 106 | 80459   | 10.759   | ug/l   | 98  |
| 69) o-Xylene                | 12.401 | 106 | 43150   | 5.916    | ug/l   | 98  |
| 70) Styrene                 | 12.413 | 104 | 11291   | 0.957    | ug/l # | 41  |
| 71) Bromoform               | 12.848 | 173 | 1797    | 0.592    | ug/l # | 1   |
| 73) Isopropylbenzene        | 12.701 | 105 | 40890   | 2.438    | ug/l   | 91  |
| 74) N-amyl acetate          | 12.460 | 43  | 10155   | 1.343    | ug/l # | 51  |
| 76) 1,2,3-Trichloropropane  | 12.854 | 75  | 127498  | 27.556   | ug/l # | 1   |
| 78) n-propylbenzene         | 13.036 | 91  | 10888   | 0.553    | ug/l   | 92  |

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 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :

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 Quant Title : SW846 8260  
 QLast Update : Tue Feb 14 01:44:47 2023  
 Response via : Initial Calibration

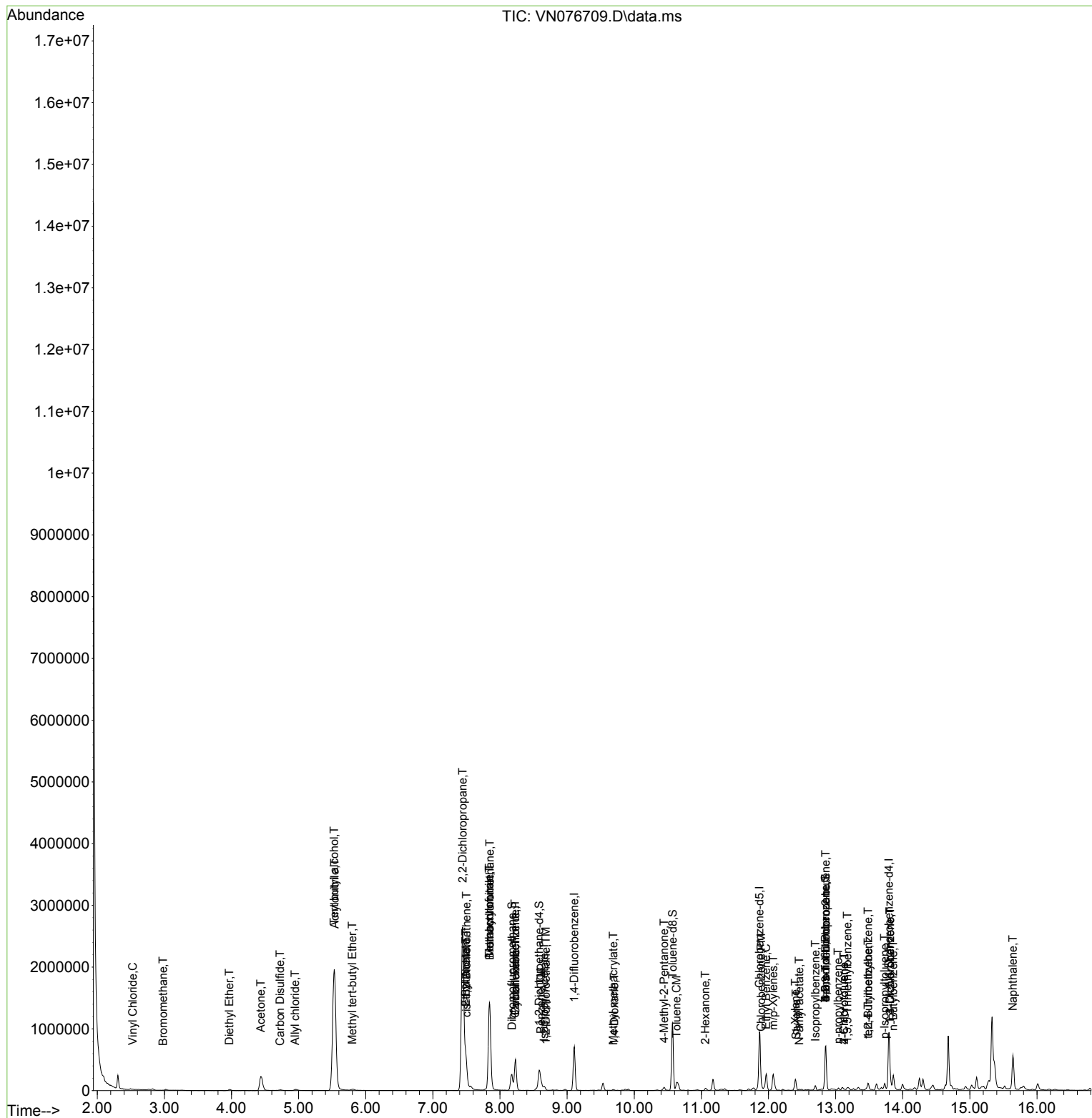
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| 79) 2-Chlorotoluene           | 13.124 | 91   | 3603     | 0.299  | ug/l # | 64       |
| 80) 1,3,5-Trimethylbenzene    | 13.177 | 105  | 13782    | 0.994  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.854 | 75   | 127498   | 80.258 | ug/l # | 4        |
| 82) 4-Chlorotoluene           | 13.124 | 91   | 3603     | 0.299  | ug/l # | 64       |
| 83) tert-Butylbenzene         | 13.483 | 119  | 7381     | 0.589  | ug/l # | 44       |
| 84) 1,2,4-Trimethylbenzene    | 13.483 | 105  | 57790    | 4.183  | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.730 | 119  | 50547    | 3.615  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.813 | 146  | 32016    | 4.047  | ug/l   | 91       |
| 88) 1,4-Dichlorobenzene       | 13.813 | 146  | 32016    | 4.064  | ug/l   | 92       |
| 89) n-Butylbenzene            | 13.860 | 91   | 6431     | 0.529  | ug/l   | 77       |
| 95) Naphthalene               | 15.642 | 128  | 498596   | 40.612 | ug/l   | 99       |
| -----                         |        |      |          |        |        |          |

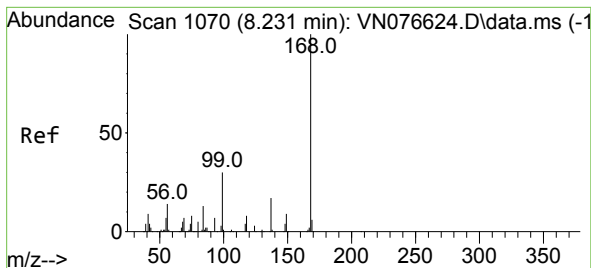
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN076709.D

Acq: 16 Feb 2023 14:15

Instrument :

MSVOA\_N

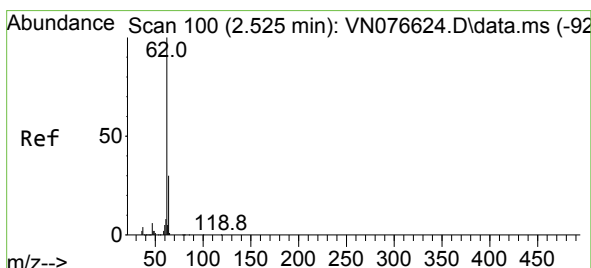
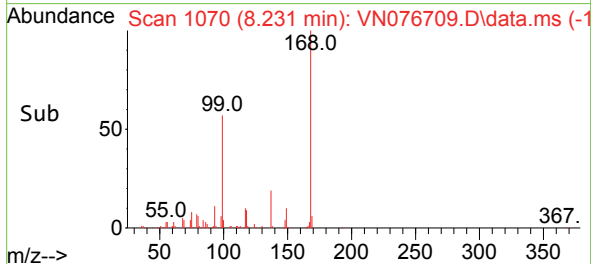
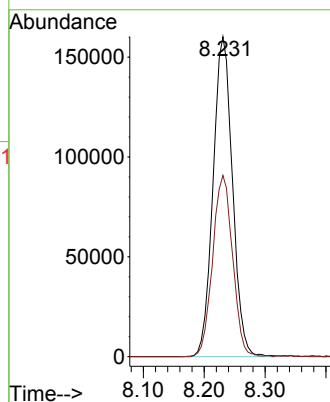
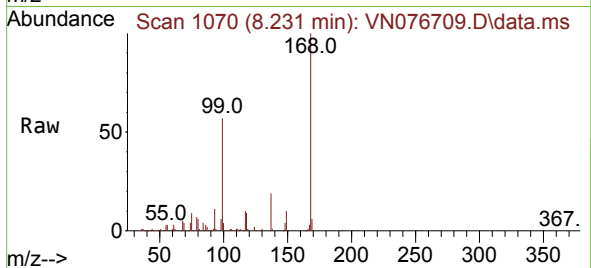
ClientSampleId :

Tgt Ion:168 Resp: 354730

Ion Ratio Lower Upper

168 100

99 56.7 44.8 67.2



#4

Vinyl Chloride

Concen: 0.394 ug/l

RT: 2.531 min Scan# 101

Delta R.T. 0.006 min

Lab File: VN076709.D

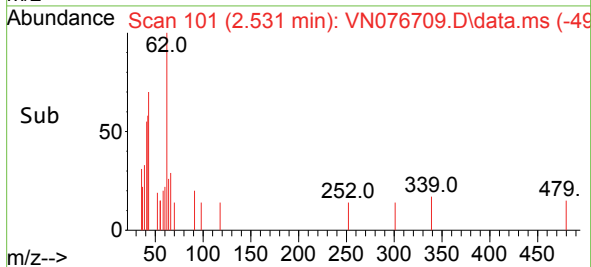
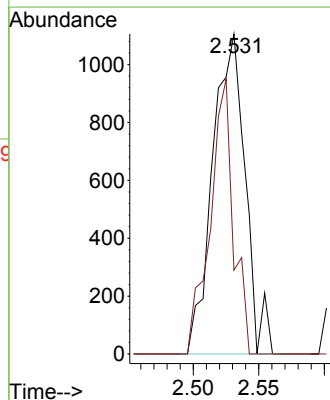
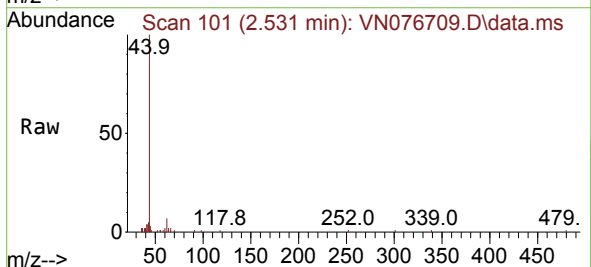
Acq: 16 Feb 2023 14:15

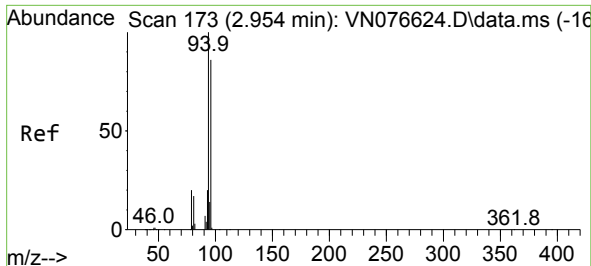
Tgt Ion: 62 Resp: 1908

Ion Ratio Lower Upper

62 100

64 26.2 23.9 35.9

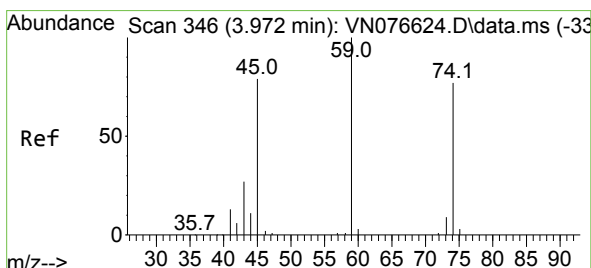
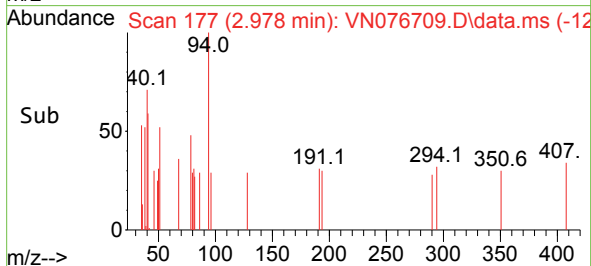
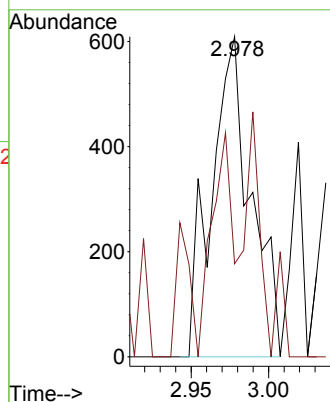
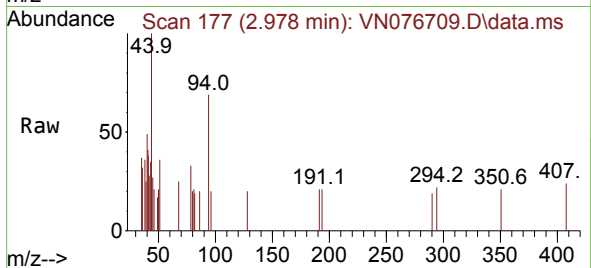




#5  
Bromomethane  
Concen: 0.370 ug/l  
RT: 2.978 min Scan# 11  
Delta R.T. 0.024 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

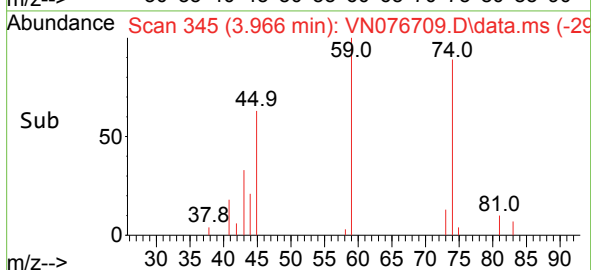
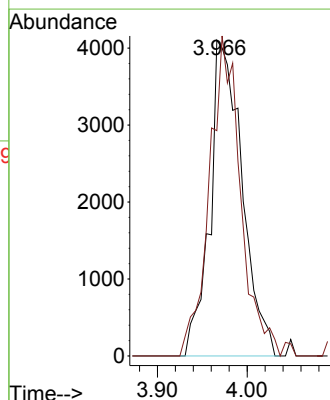
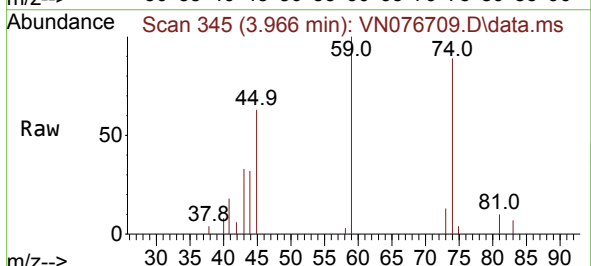
Instrument :  
MSVOA\_N  
ClientSampleId :

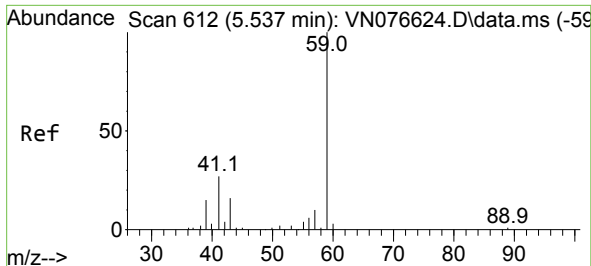
Tgt Ion: 94 Resp: 1083  
Ion Ratio Lower Upper  
94 100  
96 0.0 69.0 103.4#



#8  
Diethyl Ether  
Concen: 4.022 ug/l  
RT: 3.966 min Scan# 345  
Delta R.T. -0.006 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Tgt Ion: 74 Resp: 10199  
Ion Ratio Lower Upper  
74 100  
45 98.2 51.3 153.9

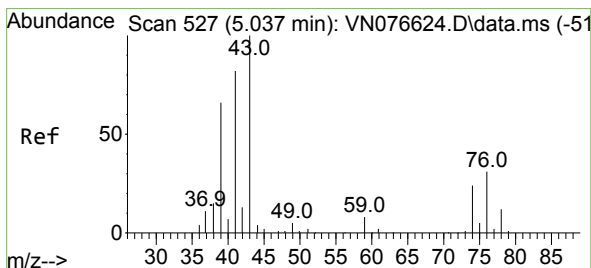
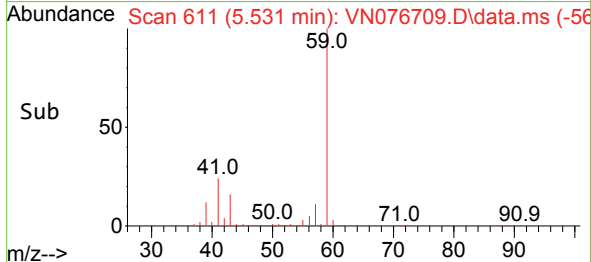
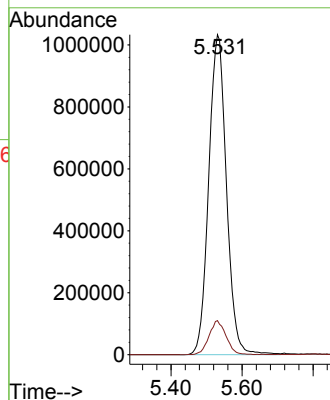
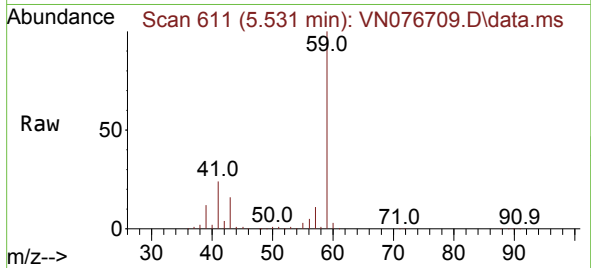




#11  
Tert butyl alcohol  
Concen: 5533.742 ug/l  
RT: 5.531 min Scan# 611  
Delta R.T. -0.006 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

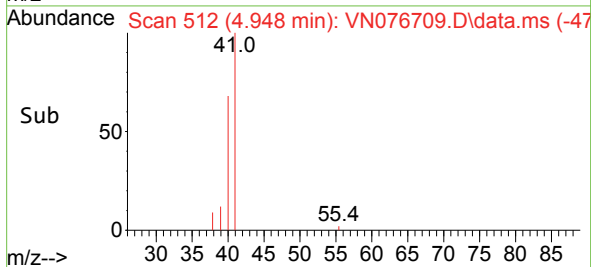
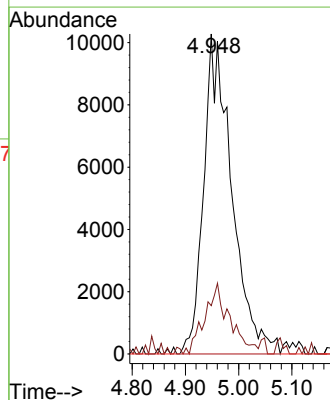
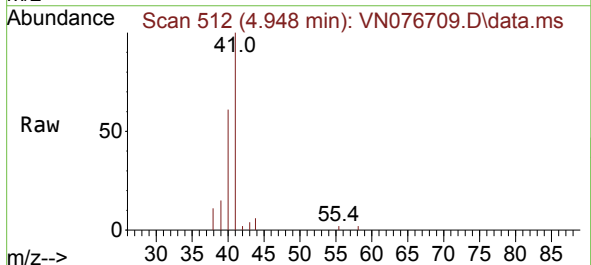
Instrument :  
MSVOA\_N  
ClientSampleId :

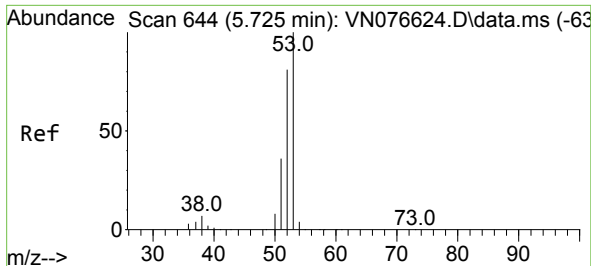
Tgt Ion: 59 Resp: 3577895  
Ion Ratio Lower Upper  
59 100  
57 10.3 8.7 13.1



#14  
Allyl chloride  
Concen: 5.930 ug/l  
RT: 4.948 min Scan# 512  
Delta R.T. -0.089 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Tgt Ion: 41 Resp: 37621  
Ion Ratio Lower Upper  
41 100  
39 19.8 62.3 93.5#  
76 0.0 27.0 40.6#

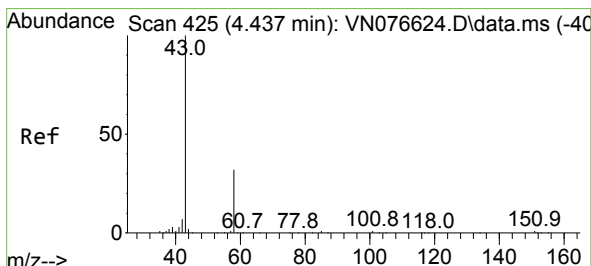
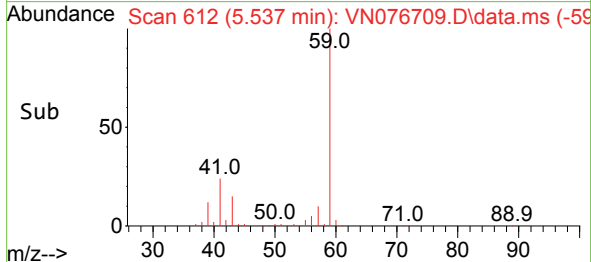
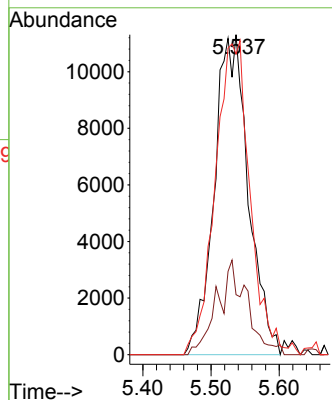
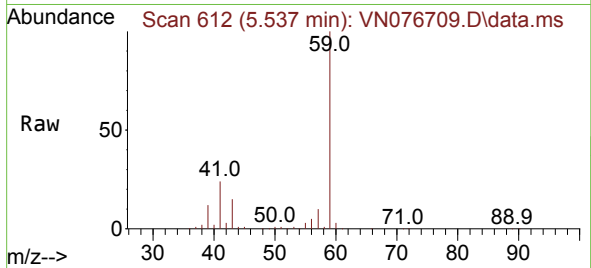




#15  
Acrylonitrile  
Concen: 17.102 ug/l  
RT: 5.537 min Scan# 61  
Delta R.T. -0.188 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

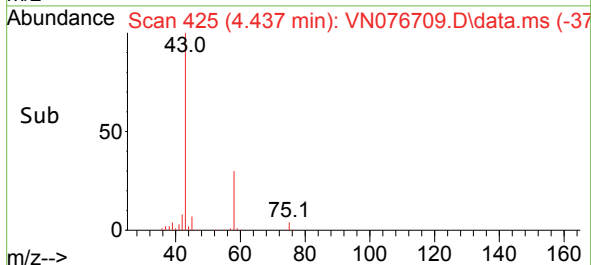
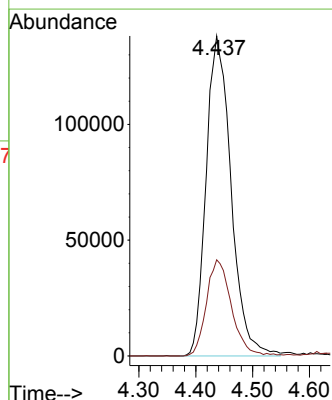
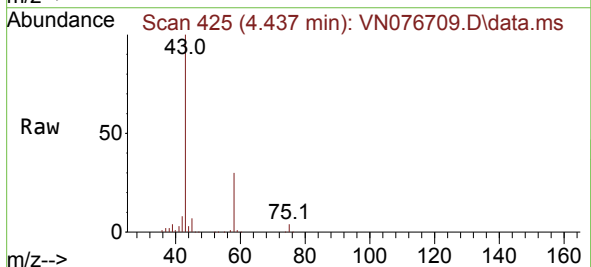
Instrument :  
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ClientSampleId :

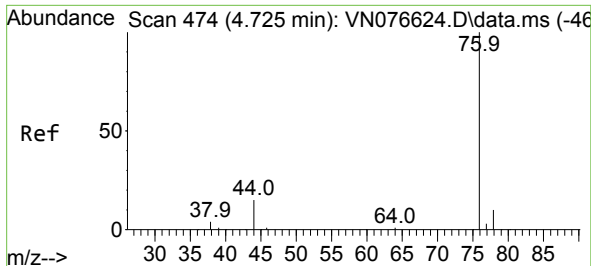
Tgt Ion: 53 Resp: 39242  
Ion Ratio Lower Upper  
53 100  
52 26.0 65.3 97.9#  
51 100.0 29.2 43.8#



#16  
Acetone  
Concen: 192.400 ug/l  
RT: 4.437 min Scan# 425  
Delta R.T. -0.000 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

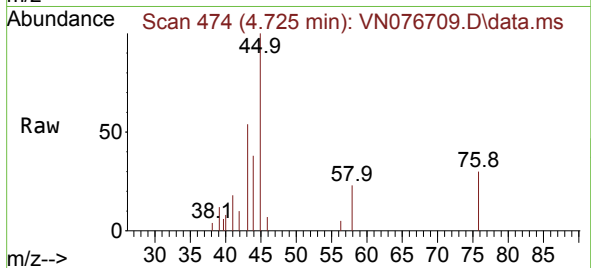
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Ion Ratio Lower Upper  
43 100  
58 30.1 25.9 38.9



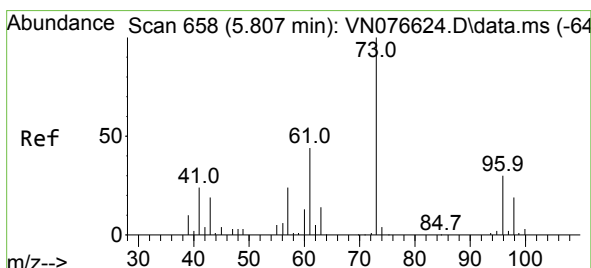
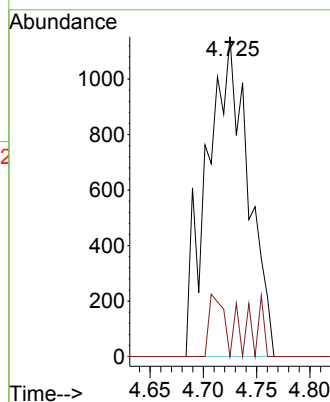
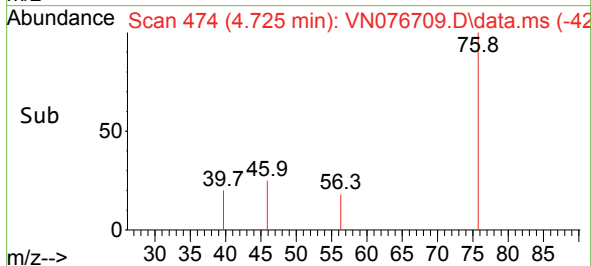


#17  
Carbon Disulfide  
Concen: 0.318 ug/l  
RT: 4.725 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Instrument :  
MSVOA\_N  
ClientSampleId :

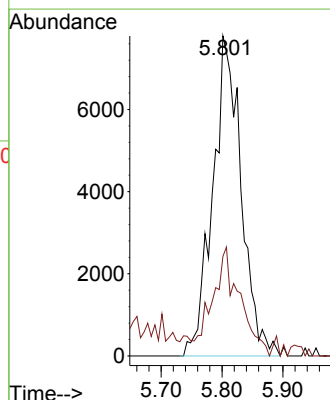
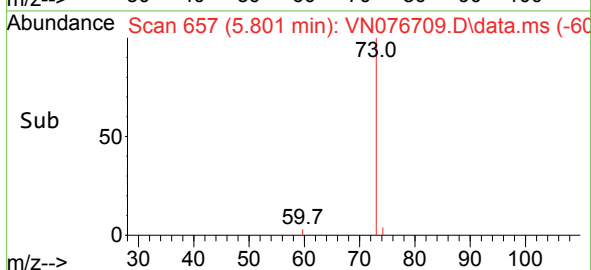
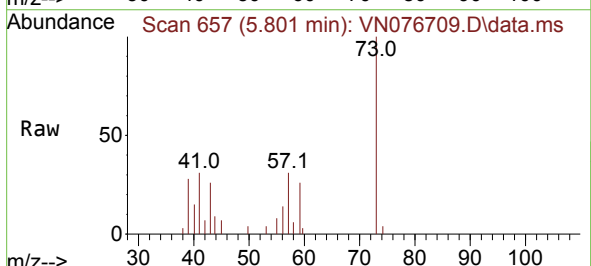


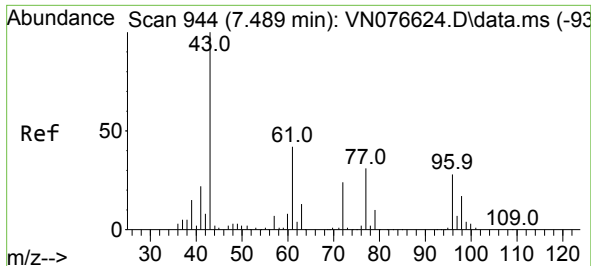
Tgt Ion: 76 Resp: 3076  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.8 11.8#



#19  
Methyl tert-butyl Ether  
Concen: 2.050 ug/l  
RT: 5.801 min Scan# 657  
Delta R.T. -0.006 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Tgt Ion: 73 Resp: 25310  
Ion Ratio Lower Upper  
73 100  
57 31.1 19.0 28.4#

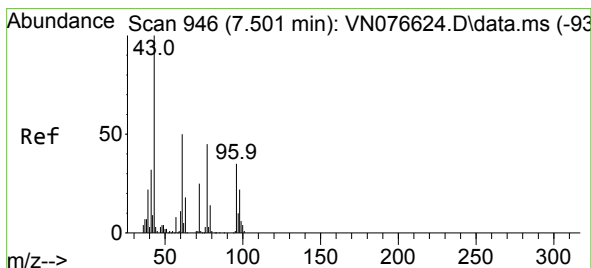
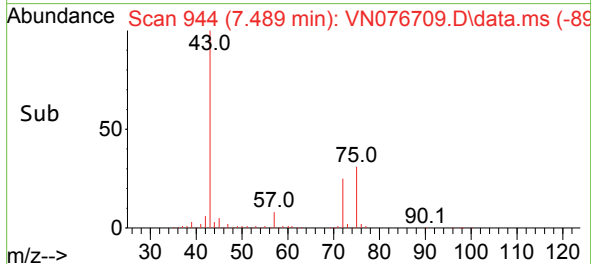
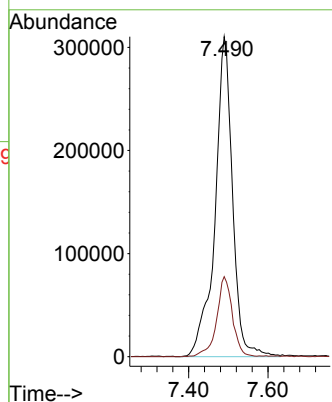
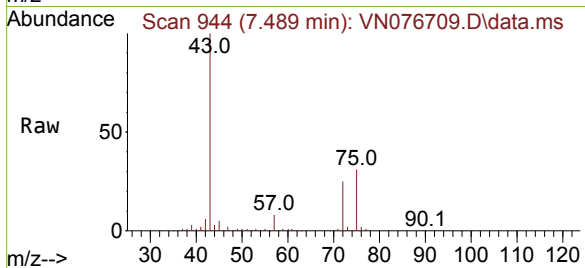




#25  
2-Butanone  
Concen: 295.149 ug/l  
RT: 7.489 min Scan# 944  
Delta R.T. 0.000 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

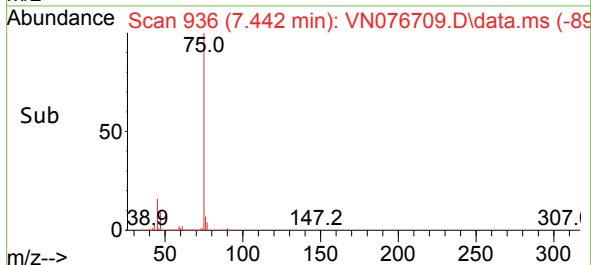
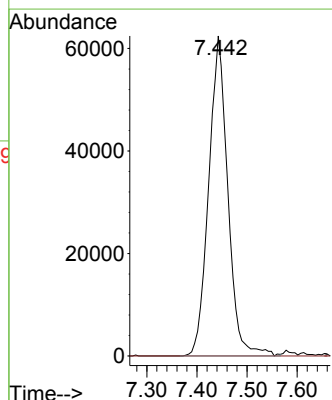
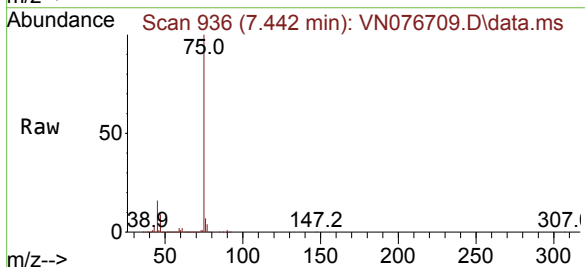
Instrument :  
MSVOA\_N  
ClientSampleId :

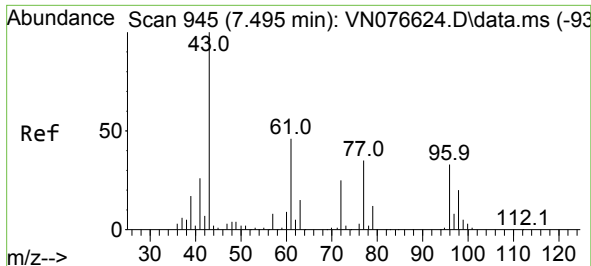
Tgt Ion: 43 Resp: 952587  
Ion Ratio Lower Upper  
43 100  
72 25.0 19.4 29.2



#26  
2,2-Dichloropropane  
Concen: 28.163 ug/l  
RT: 7.442 min Scan# 936  
Delta R.T. -0.059 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Tgt Ion: 77 Resp: 165663  
Ion Ratio Lower Upper  
77 100  
97 0.0 11.9 35.7#





#27

cis-1,2-Dichloroethene

Concen: 0.702 ug/l

RT: 7.501 min Scan# 94

Delta R.T. 0.006 min

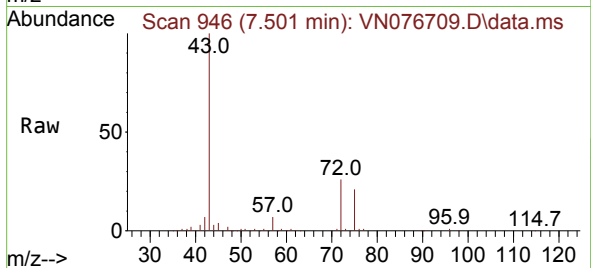
Lab File: VN076709.D

Acq: 16 Feb 2023 14:15

Instrument :

MSVOA\_N

ClientSampleId :



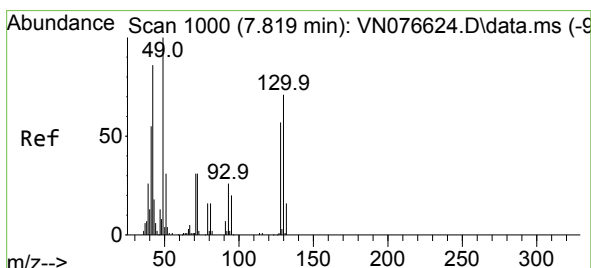
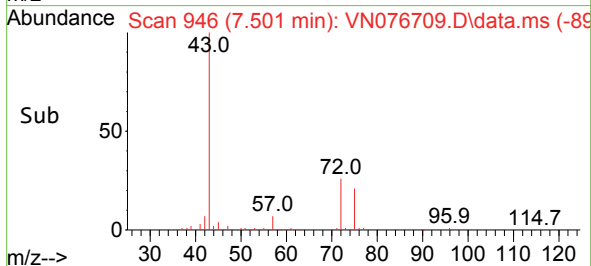
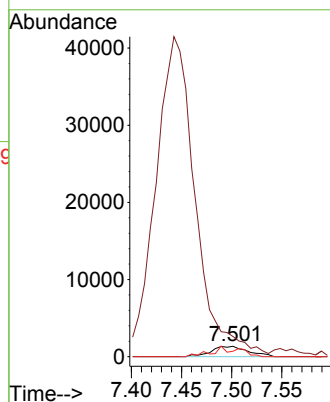
Tgt Ion: 96 Resp: 3431

Ion Ratio Lower Upper

96 100

61 0.0 0.0 286.8

98 47.3 0.0 124.0



#28

Bromochloromethane

Concen: 0.698 ug/l

RT: 7.848 min Scan# 1005

Delta R.T. 0.029 min

Lab File: VN076709.D

Acq: 16 Feb 2023 14:15

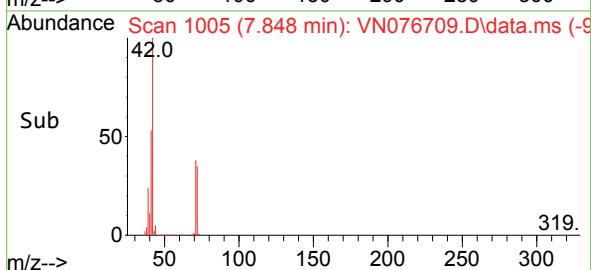
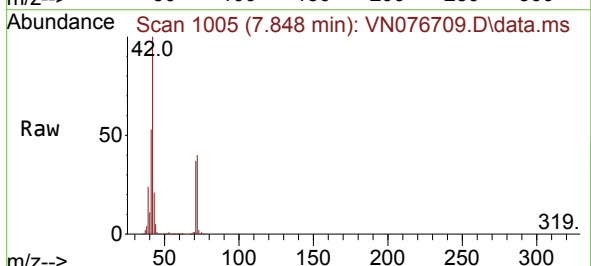
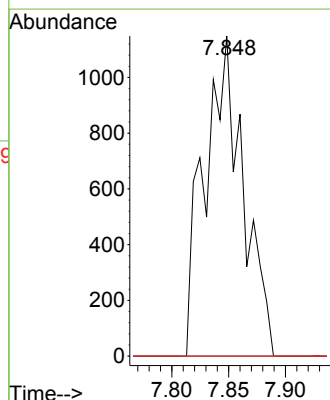
Tgt Ion: 49 Resp: 2711

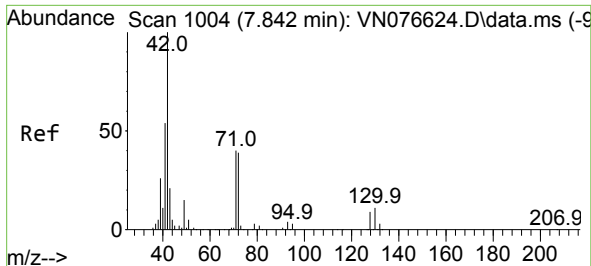
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 57.8 86.8#





#29

Tetrahydrofuran

Concen: 566.365 ug/l

RT: 7.842 min Scan# 10

Delta R.T. 0.000 min

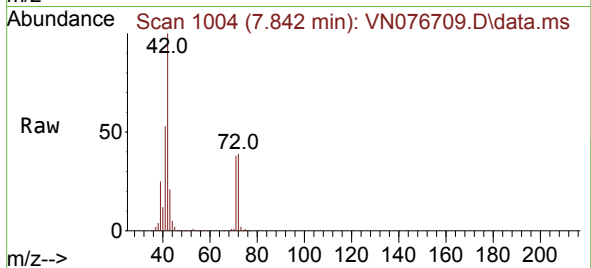
Lab File: VN076709.D

Acq: 16 Feb 2023 14:15

Instrument :

MSVOA\_N

ClientSampleId :



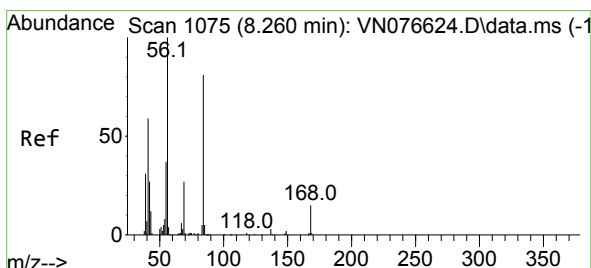
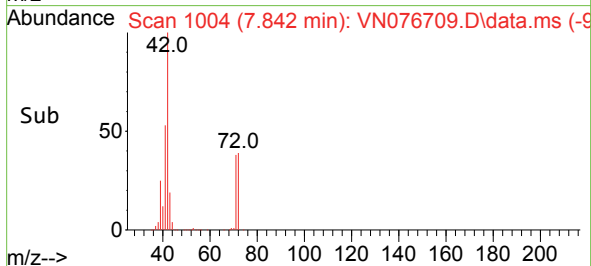
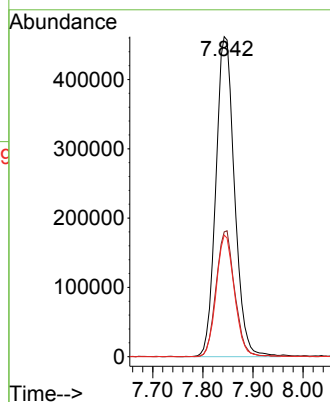
Tgt Ion: 42 Resp: 1194281

Ion Ratio Lower Upper

42 100

72 39.2 31.5 47.3

71 37.3 29.8 44.8



#31

Cyclohexane

Concen: 1.317 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.029 min

Lab File: VN076709.D

Acq: 16 Feb 2023 14:15

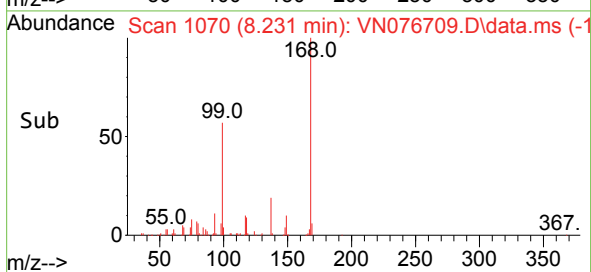
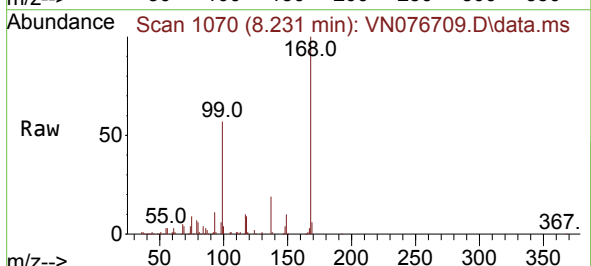
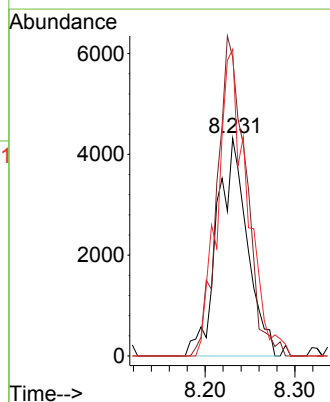
Tgt Ion: 56 Resp: 10123

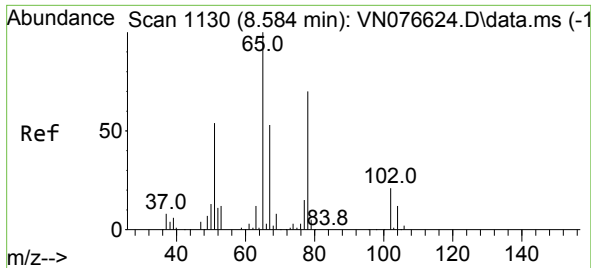
Ion Ratio Lower Upper

56 100

69 137.3 21.6 32.4#

84 141.0 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: 48.456 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN076709.D

Acq: 16 Feb 2023 14:15

Instrument :

MSVOA\_N

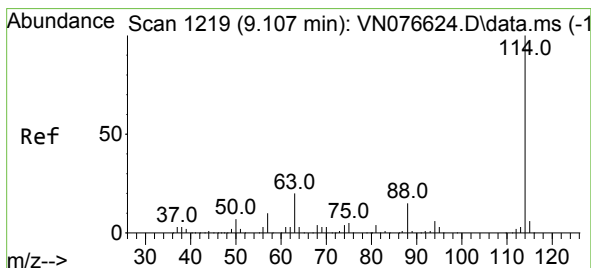
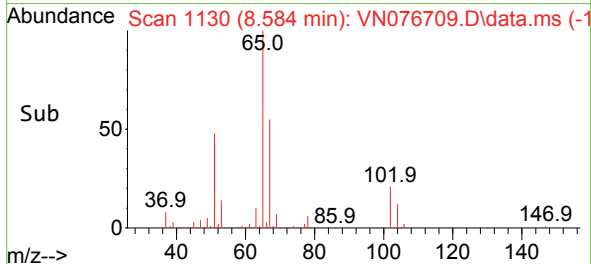
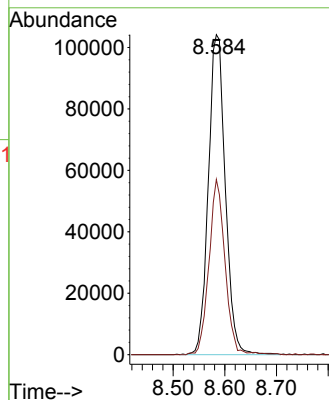
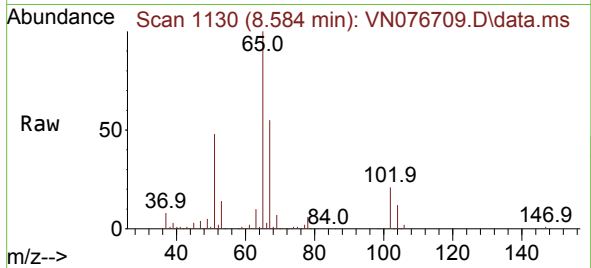
ClientSampleId :

Tgt Ion: 65 Resp: 237351

Ion Ratio Lower Upper

65 100

67 51.4 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN076709.D

Acq: 16 Feb 2023 14:15

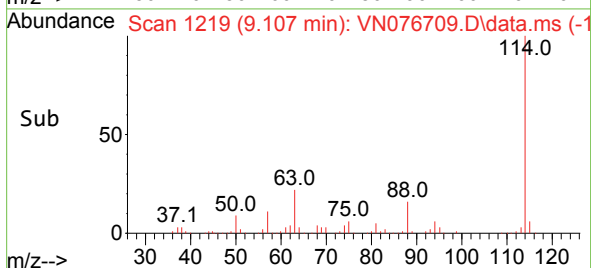
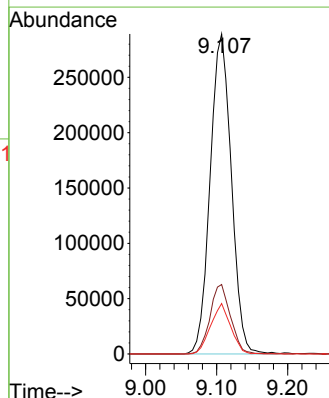
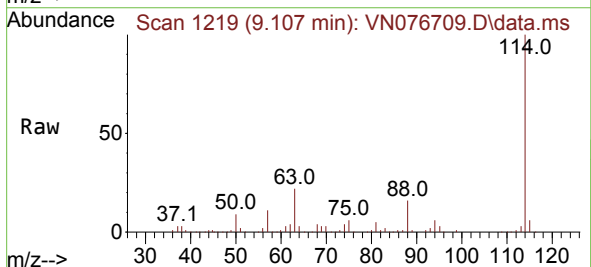
Tgt Ion: 114 Resp: 598049

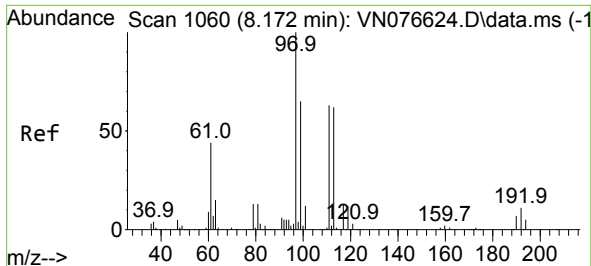
Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

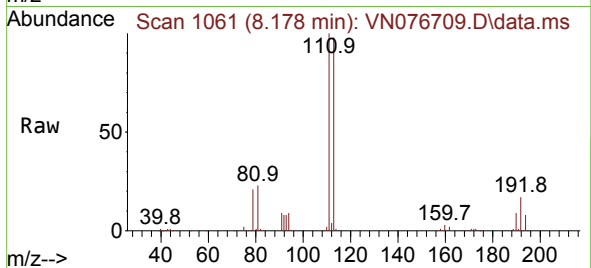
88 15.8 0.0 29.6



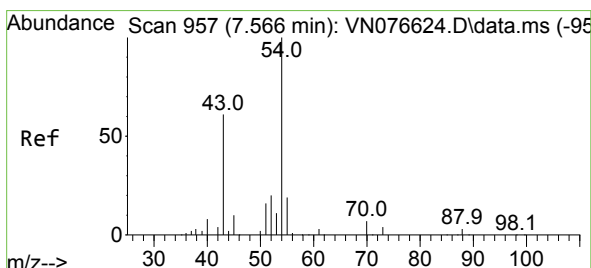
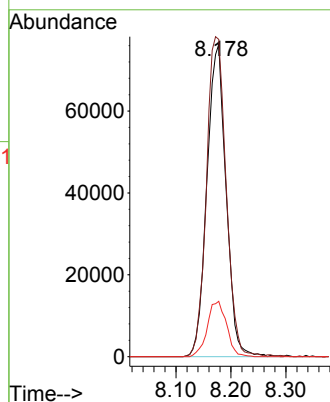
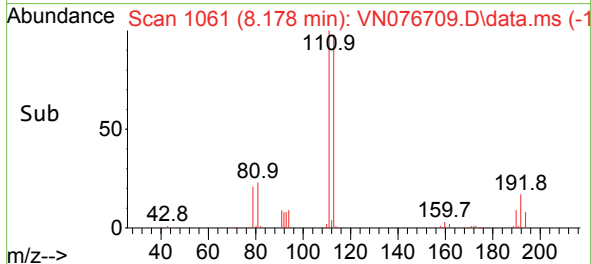


#35  
Dibromofluoromethane  
Concen: 47.037 ug/l  
RT: 8.178 min Scan# 1060  
Delta R.T. 0.006 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Instrument :  
MSVOA\_N  
ClientSampleId :

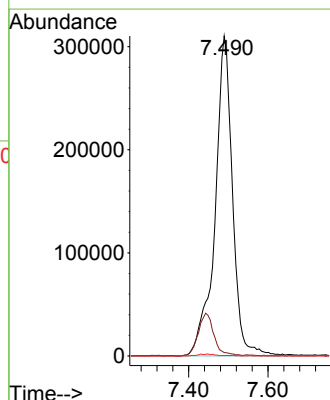
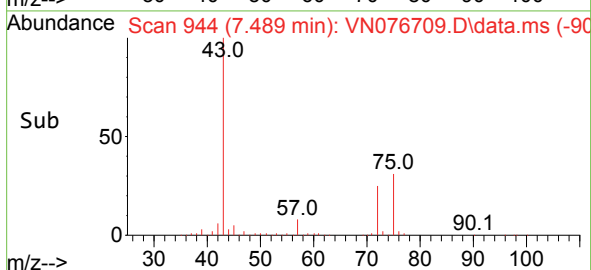
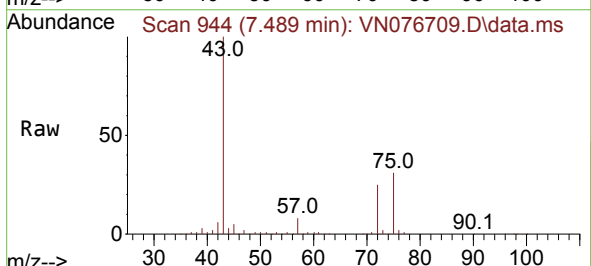


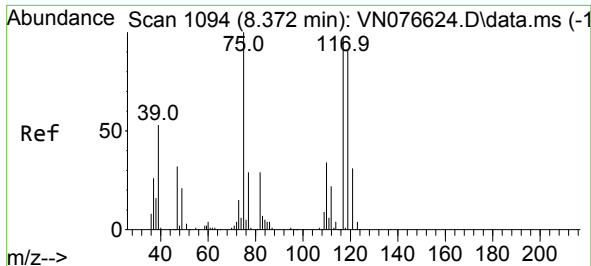
Tgt Ion:113 Resp: 184222  
Ion Ratio Lower Upper  
113 100  
111 105.4 83.1 124.7  
192 17.9 15.6 23.4



#37  
Ethyl Acetate  
Concen: 159.998 ug/l  
RT: 7.489 min Scan# 944  
Delta R.T. -0.077 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

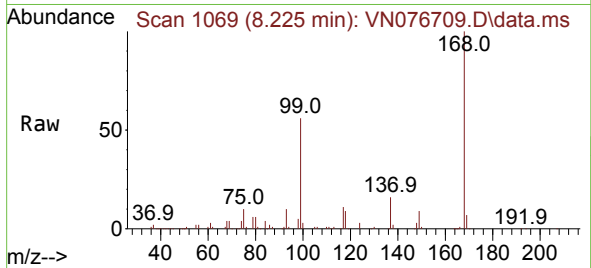
Tgt Ion: 43 Resp: 952587  
Ion Ratio Lower Upper  
43 100  
61 0.0 9.9 14.9#  
70 0.0 7.8 11.6#



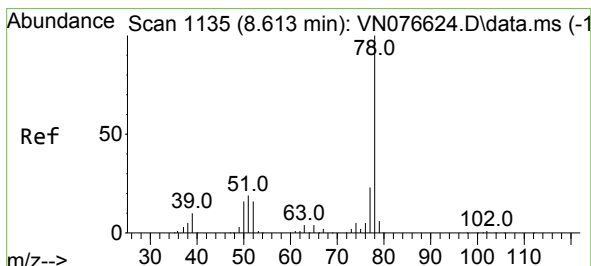
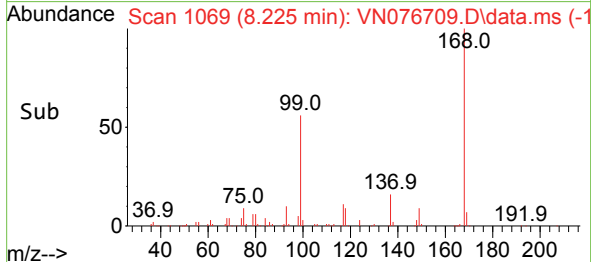
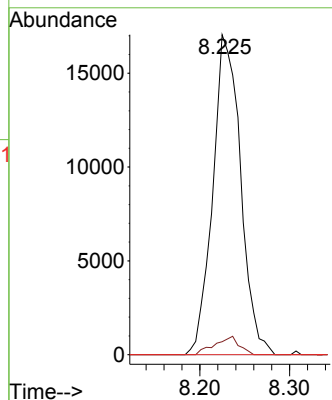


#38  
Carbon Tetrachloride  
Concen: 6.432 ug/l  
RT: 8.225 min Scan# 1069  
Delta R.T. -0.147 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Instrument :  
MSVOA\_N  
ClientSampleId :

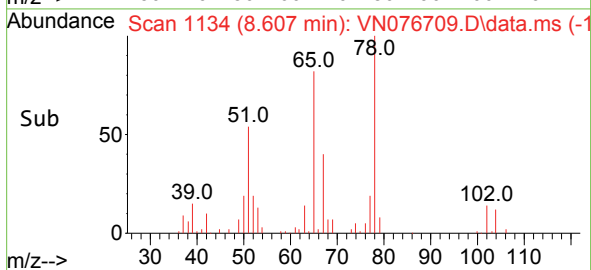
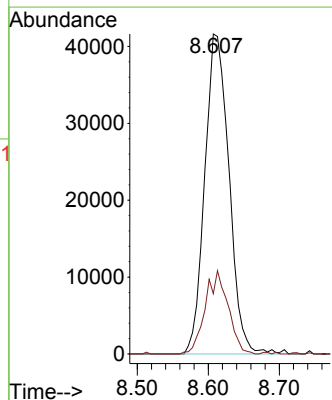
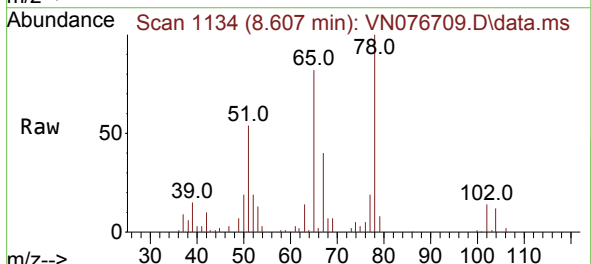


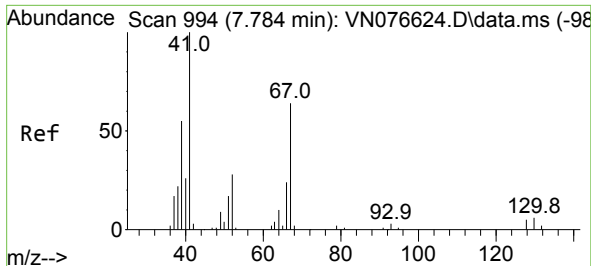
Tgt Ion:117 Resp: 36716  
Ion Ratio Lower Upper  
117 100  
119 4.0 75.4 113.0#  
121 0.0 26.0 39.0#



#40  
Benzene  
Concen: 5.685 ug/l  
RT: 8.607 min Scan# 1134  
Delta R.T. -0.006 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

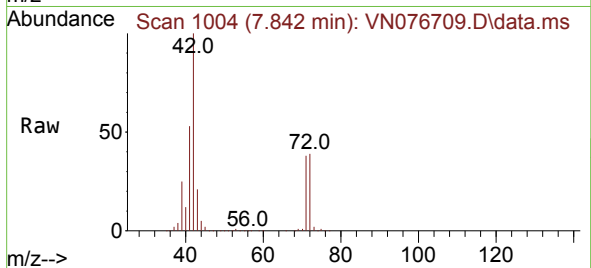
Tgt Ion: 78 Resp: 98793  
Ion Ratio Lower Upper  
78 100  
77 18.9 18.2 27.4



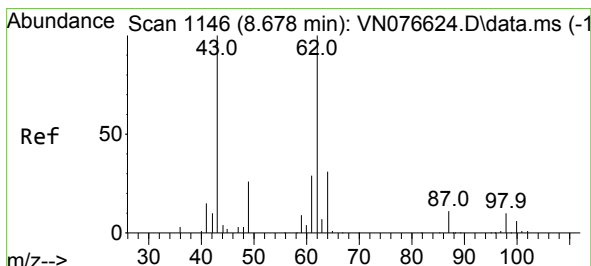
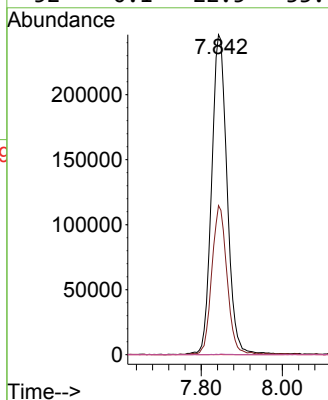
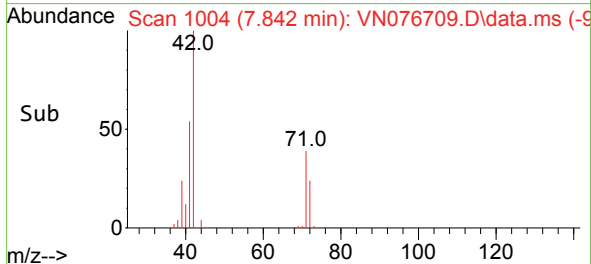


#41  
Methacrylonitrile  
Concen: 188.170 ug/l  
RT: 7.842 min Scan# 1104  
Delta R.T. 0.058 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Instrument :  
MSVOA\_N  
ClientSampleId :

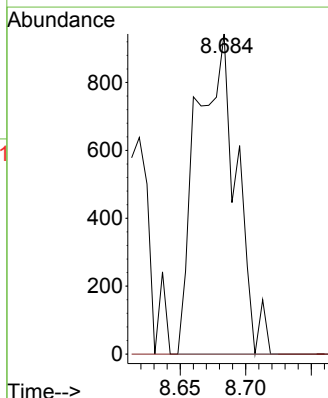
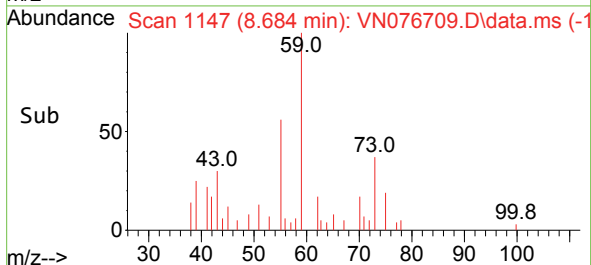
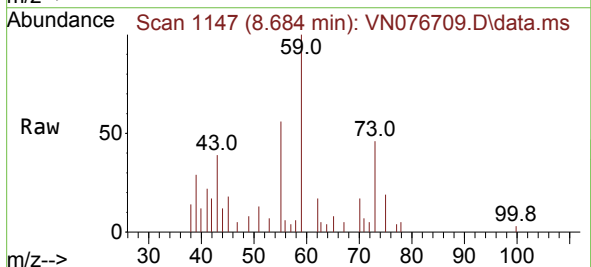


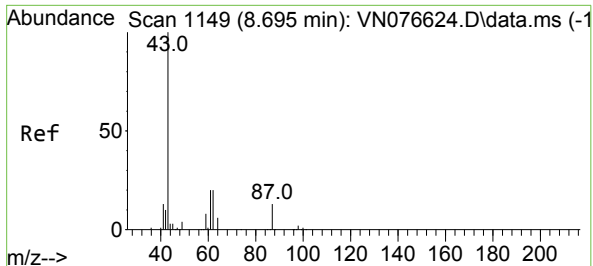
Tgt Ion: 41 Resp: 649016  
Ion Ratio Lower Upper  
41 100  
39 45.6 42.6 63.8  
67 0.0 51.4 77.0#  
52 0.1 22.5 33.7#



#42  
1,2-Dichloroethane  
Concen: 0.329 ug/l  
RT: 8.684 min Scan# 1147  
Delta R.T. 0.006 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

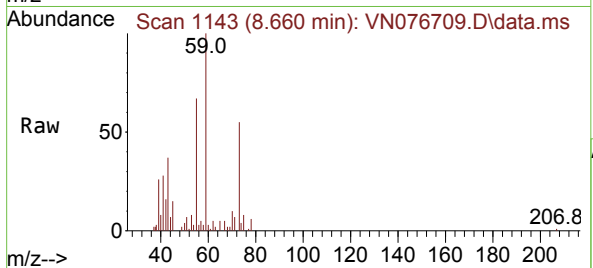
Tgt Ion: 62 Resp: 1992  
Ion Ratio Lower Upper  
62 100  
98 0.0 0.0 19.2



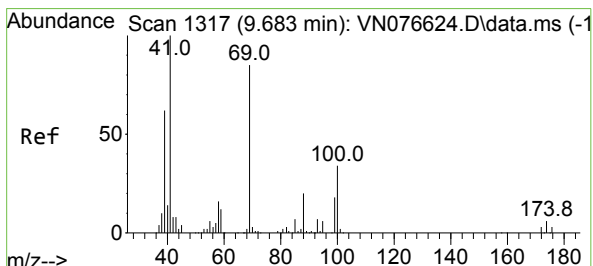
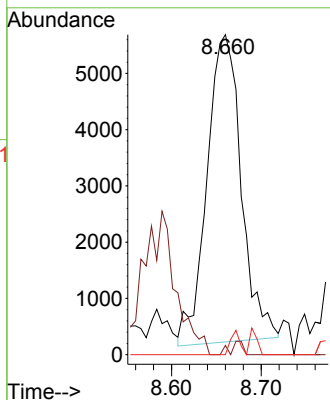
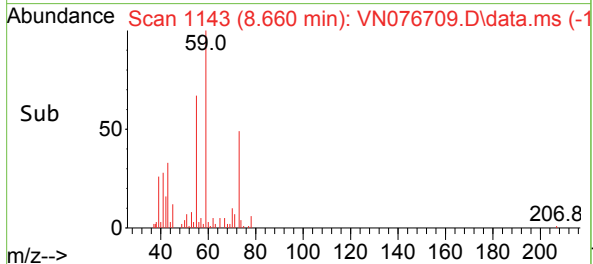


#43  
Isopropyl Acetate  
Concen: 1.500 ug/l  
RT: 8.660 min Scan# 1143  
Delta R.T. -0.035 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Instrument :  
MSVOA\_N  
ClientSampleId :

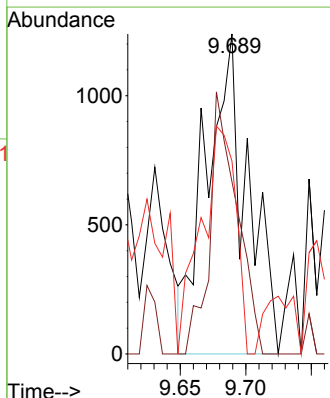
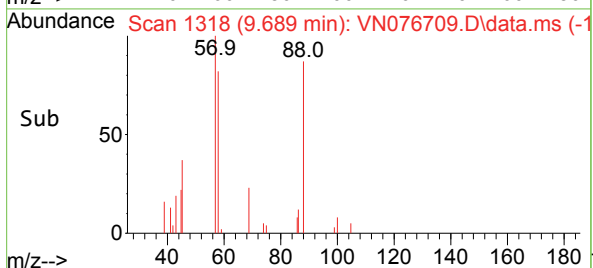
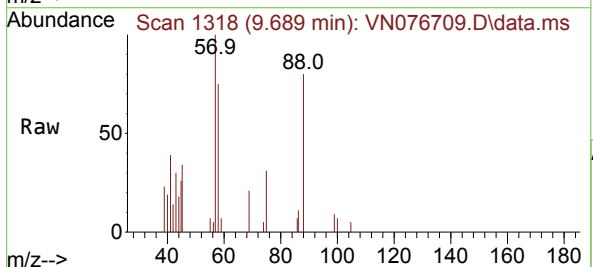


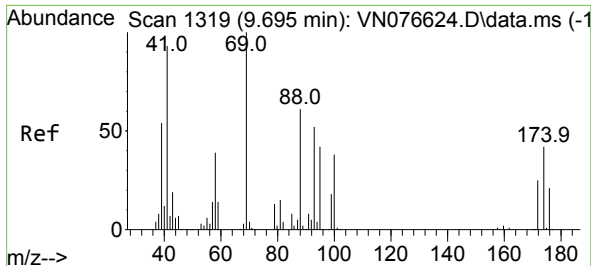
Tgt Ion: 43 Resp: 14533  
Ion Ratio Lower Upper  
43 100  
61 1.6 20.0 30.0#  
87 2.1 9.9 14.9#



#48  
Methyl methacrylate  
Concen: 0.592 ug/l  
RT: 9.689 min Scan# 1318  
Delta R.T. 0.006 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Tgt Ion: 41 Resp: 2721  
Ion Ratio Lower Upper  
41 100  
69 54.5 65.4 98.0#  
39 59.5 49.3 73.9





#49

1,4-Dioxane

Concen: 79.083 ug/l

RT: 9.701 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN076709.D

Acq: 16 Feb 2023 14:15

Instrument :

MSVOA\_N

ClientSampleId :

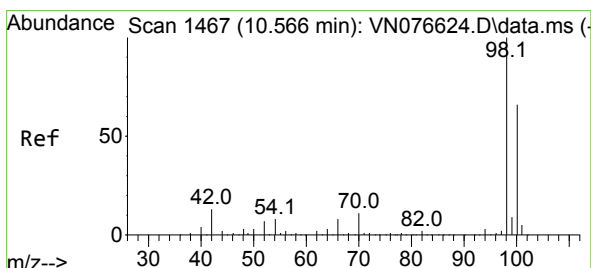
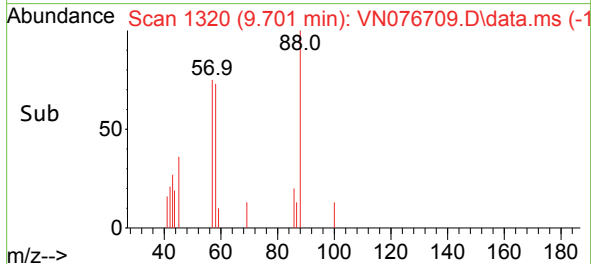
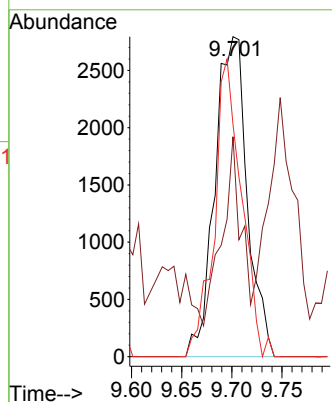
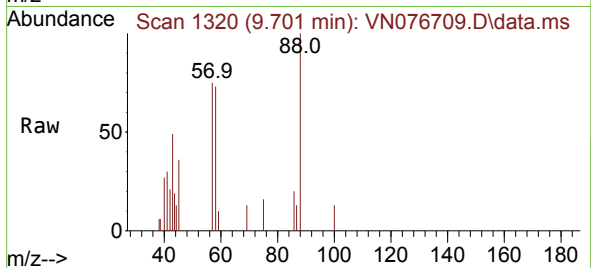
Tgt Ion: 88 Resp: 6289

Ion Ratio Lower Upper

88 100

43 0.0 22.6 33.8#

58 78.2 57.6 86.4



#50

Toluene-d8

Concen: 49.400 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN076709.D

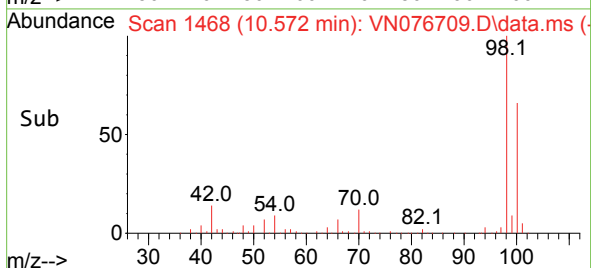
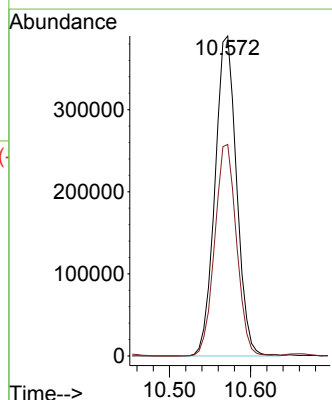
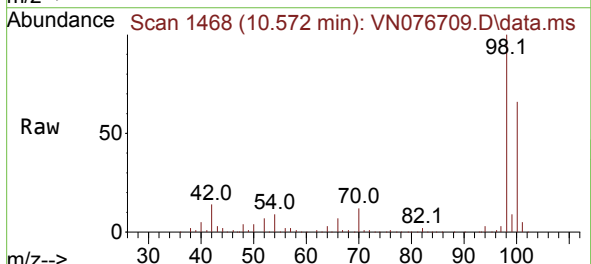
Acq: 16 Feb 2023 14:15

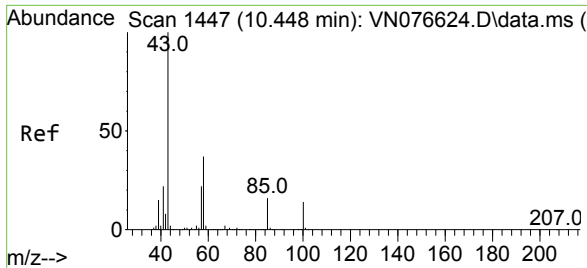
Tgt Ion: 98 Resp: 722539

Ion Ratio Lower Upper

98 100

100 66.5 52.9 79.3

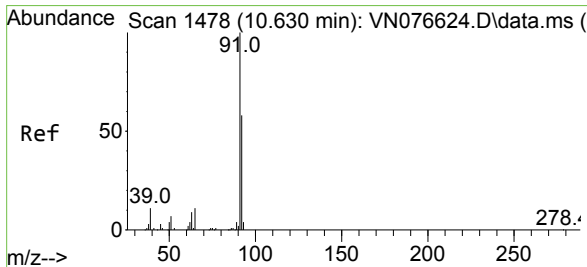
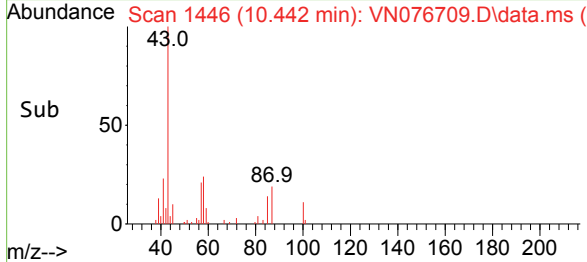
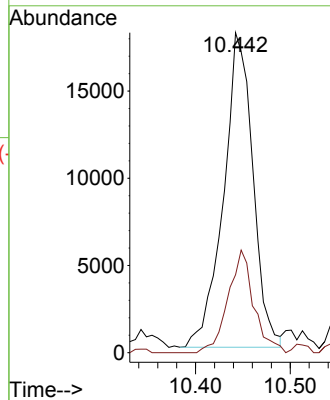
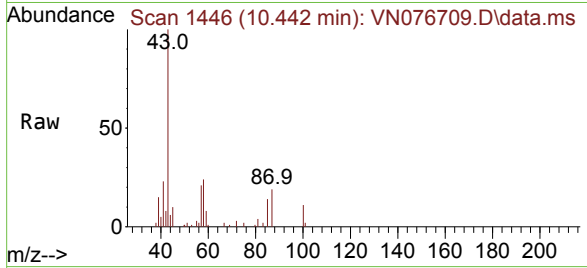




#51  
4-Methyl-2-Pentanone  
Concen: 6.314 ug/l  
RT: 10.442 min Scan# 1446  
Delta R.T. -0.006 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

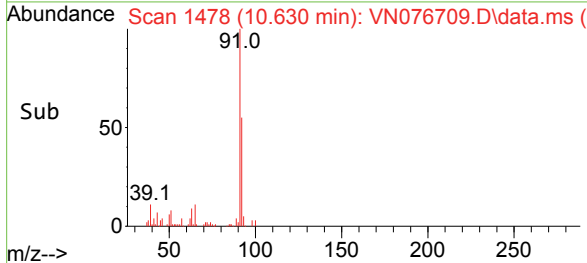
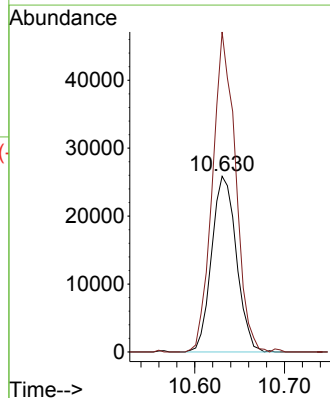
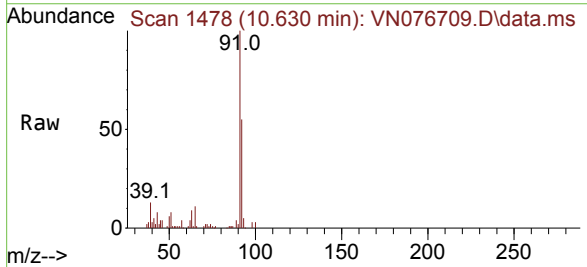
Instrument :  
MSVOA\_N  
ClientSampleId :

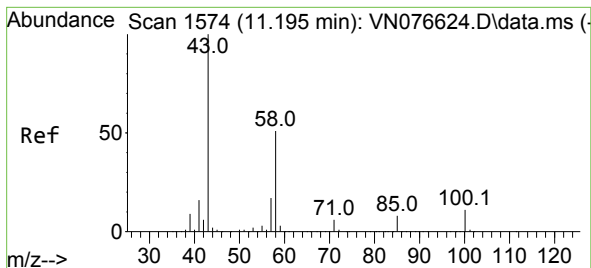
Tgt Ion: 43 Resp: 38918  
Ion Ratio Lower Upper  
43 100  
58 28.5 29.5 44.3#



#52  
Toluene  
Concen: 4.725 ug/l  
RT: 10.630 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Tgt Ion: 92 Resp: 49575  
Ion Ratio Lower Upper  
92 100  
91 169.9 138.0 207.0





#59

2-Hexanone

Concen: 5.434 ug/l

RT: 11.060 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN076709.D

Acq: 16 Feb 2023 14:15

Instrument :

MSVOA\_N

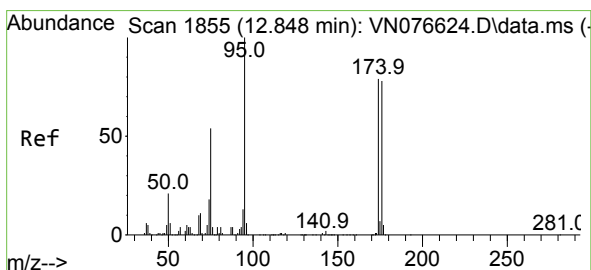
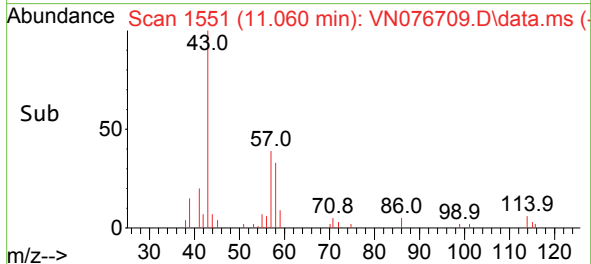
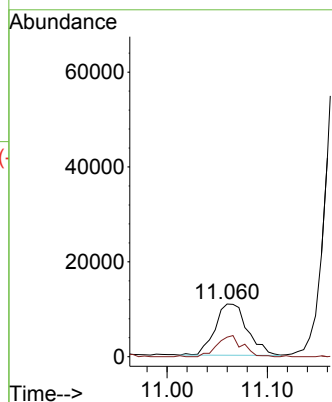
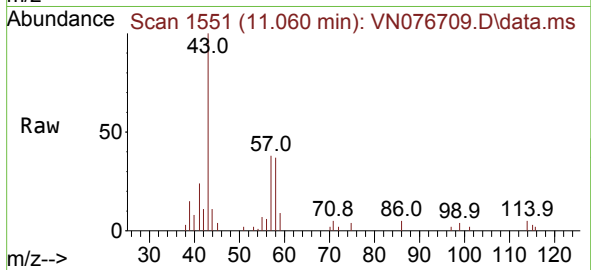
ClientSampleId :

Tgt Ion: 43 Resp: 24150

Ion Ratio Lower Upper

43 100

58 32.2 25.4 76.0



#62

4-Bromofluorobenzene

Concen: 48.929 ug/l

RT: 12.848 min Scan# 1855

Delta R.T. -0.000 min

Lab File: VN076709.D

Acq: 16 Feb 2023 14:15

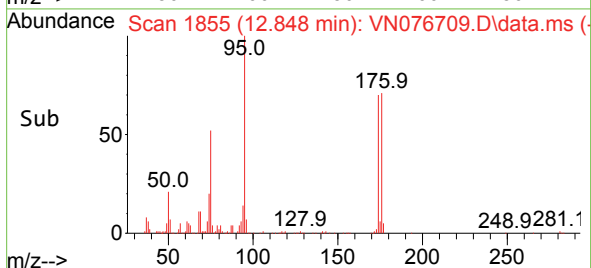
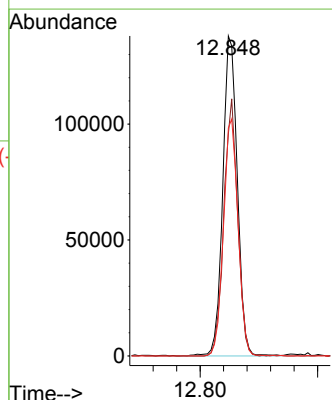
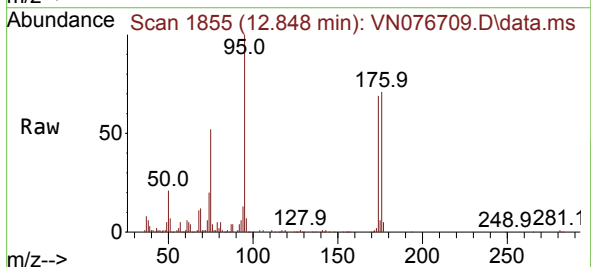
Tgt Ion: 95 Resp: 237029

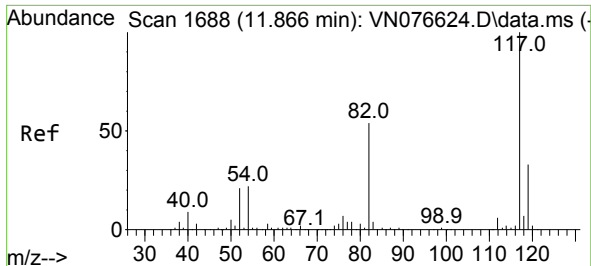
Ion Ratio Lower Upper

95 100

174 76.2 0.0 169.2

176 74.3 0.0 163.4

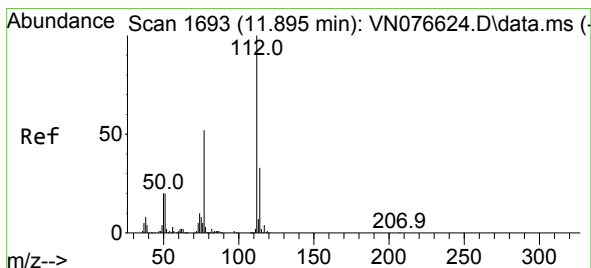
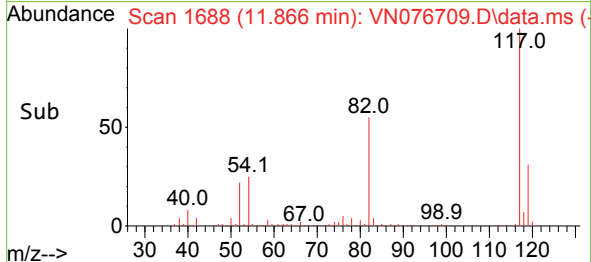
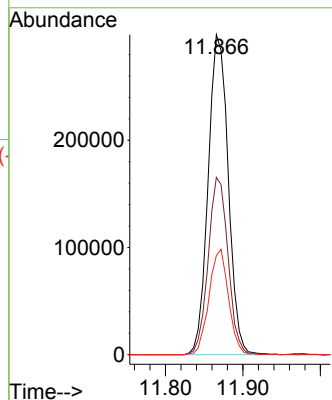
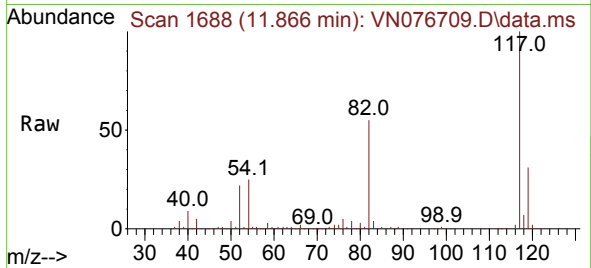




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

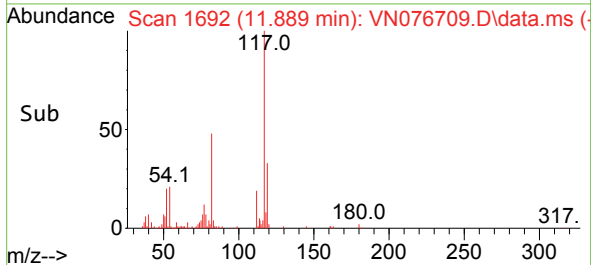
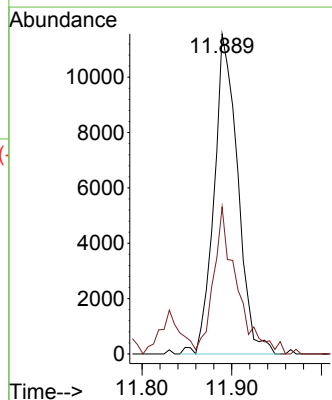
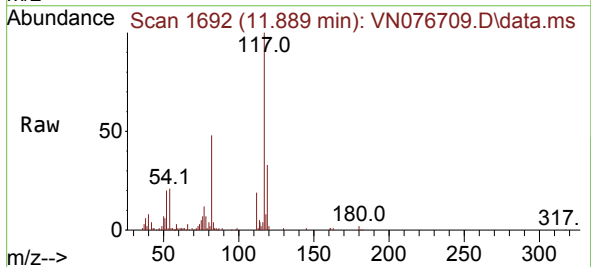
Instrument :  
MSVOA\_N  
ClientSampleId :

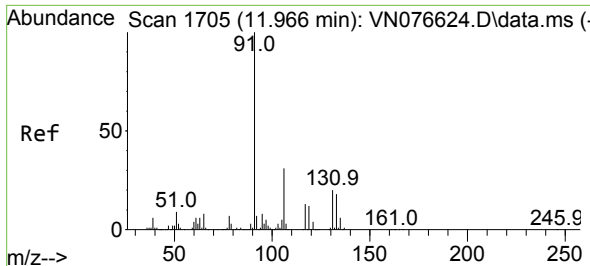
Tgt Ion:117 Resp: 537344  
Ion Ratio Lower Upper  
117 100  
82 55.4 43.4 65.2  
119 30.9 26.1 39.1



#65  
Chlorobenzene  
Concen: 1.859 ug/l  
RT: 11.889 min Scan# 1692  
Delta R.T. -0.006 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Tgt Ion:112 Resp: 21167  
Ion Ratio Lower Upper  
112 100  
114 42.1 26.4 39.6#

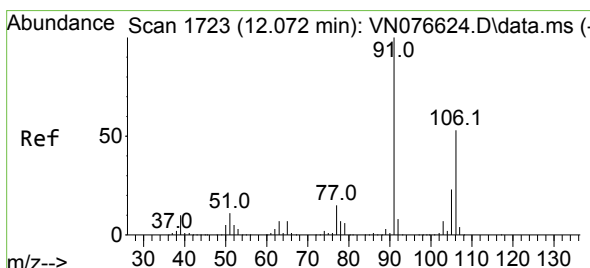
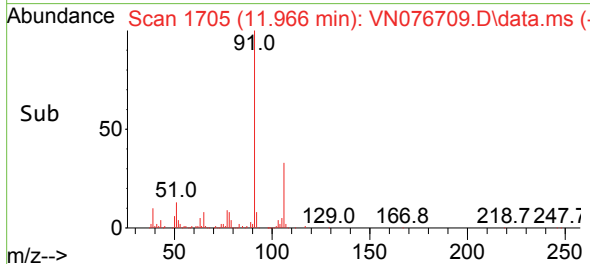
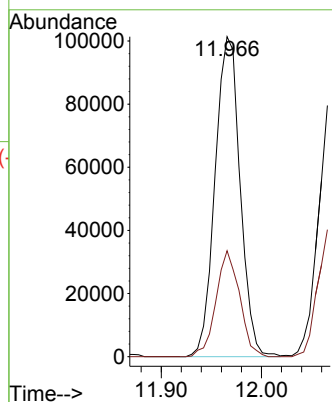
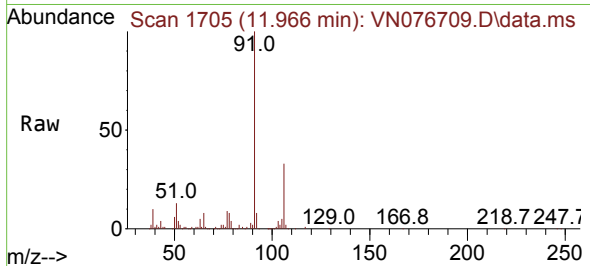




#67  
Ethyl Benzene  
Concen: 9.065 ug/l  
RT: 11.966 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

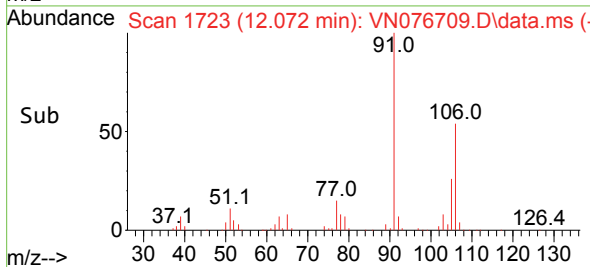
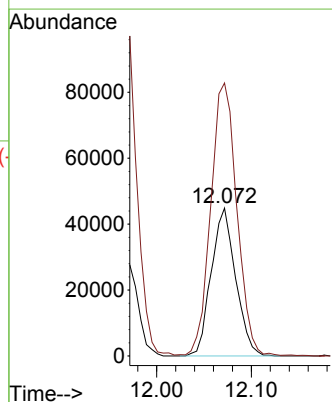
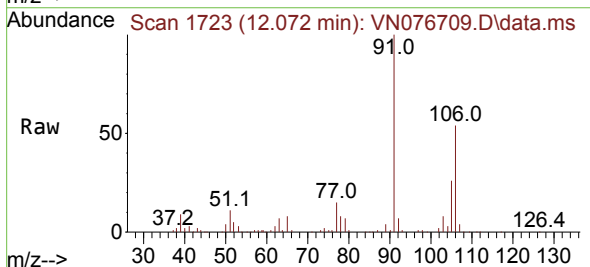
Instrument :  
MSVOA\_N  
ClientSampleId :

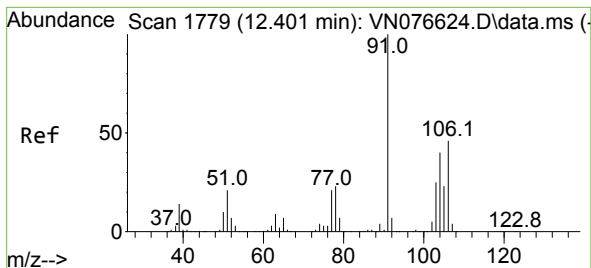
Tgt Ion: 91 Resp: 175873  
Ion Ratio Lower Upper  
91 100  
106 33.1 25.1 37.7



#68  
m/p-Xylenes  
Concen: 10.759 ug/l  
RT: 12.072 min Scan# 1723  
Delta R.T. -0.000 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Tgt Ion:106 Resp: 80459  
Ion Ratio Lower Upper  
106 100  
91 196.3 154.7 232.1





#69

o-Xylene

Concen: 5.916 ug/l

RT: 12.401 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VN076709.D

Acq: 16 Feb 2023 14:15

Instrument :

MSVOA\_N

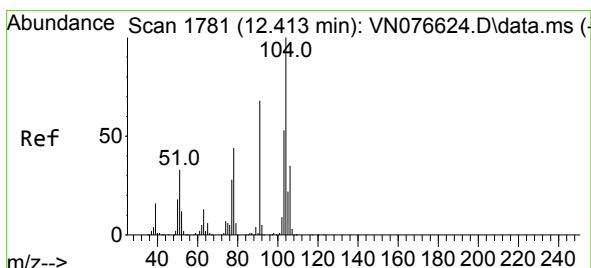
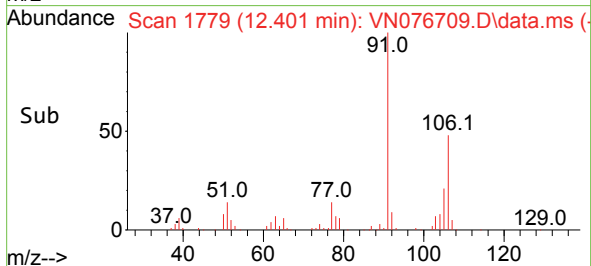
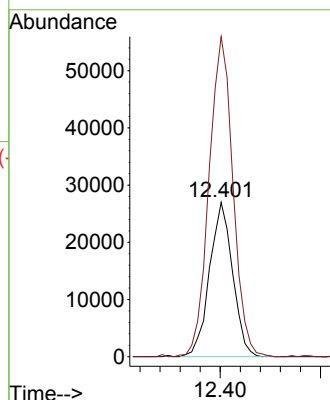
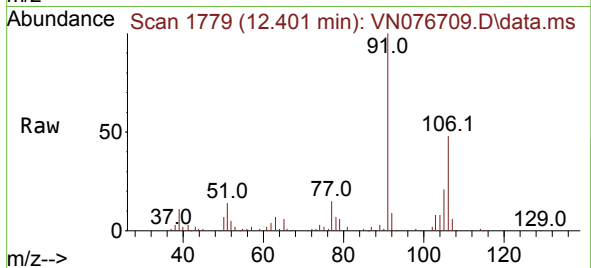
ClientSampleId :

Tgt Ion:106 Resp: 43150

Ion Ratio Lower Upper

106 100

91 215.5 105.8 317.4



#70

Styrene

Concen: 0.957 ug/l

RT: 12.413 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VN076709.D

Acq: 16 Feb 2023 14:15

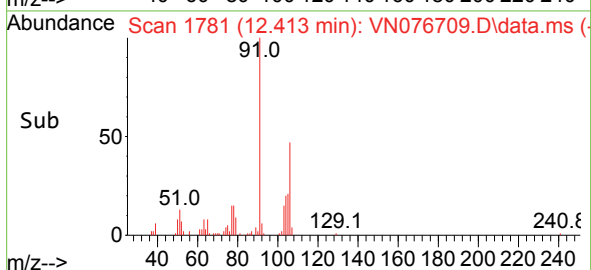
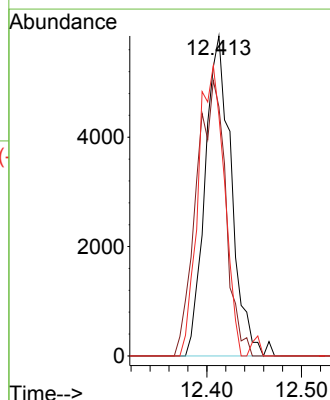
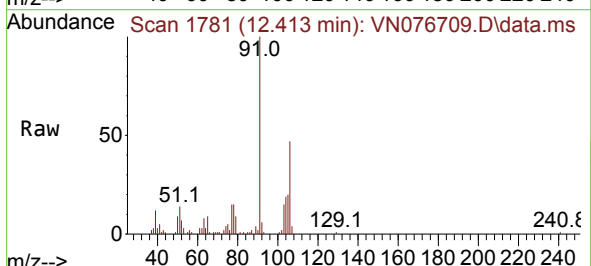
Tgt Ion:104 Resp: 11291

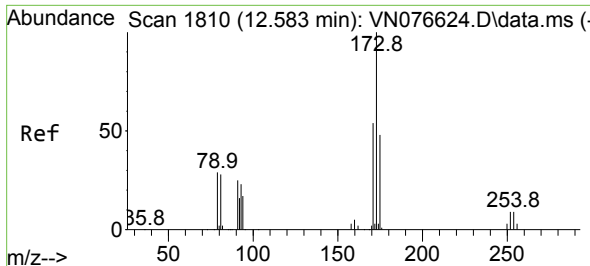
Ion Ratio Lower Upper

104 100

78 96.0 38.2 57.4#

103 90.2 44.2 66.4#

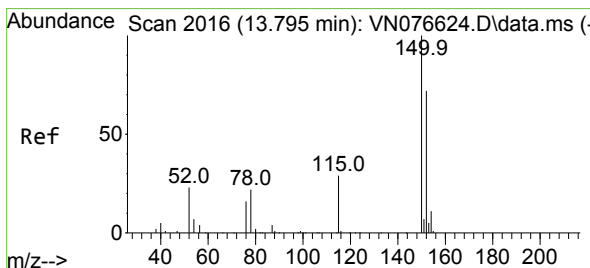
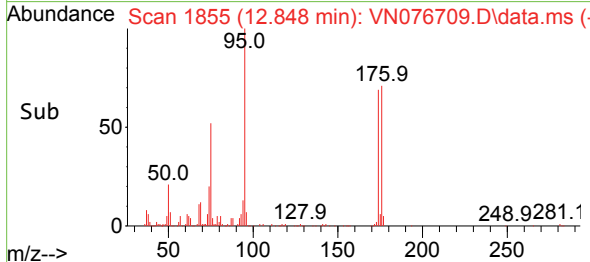
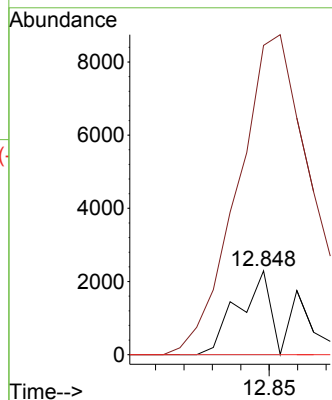
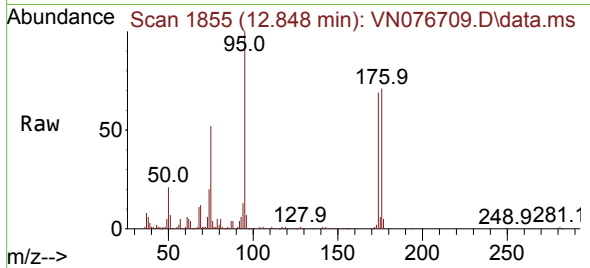




#71  
Bromoform  
Concen: 0.592 ug/l  
RT: 12.848 min Scan# 1810  
Delta R.T. 0.265 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

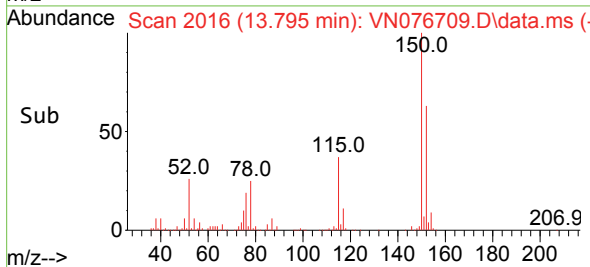
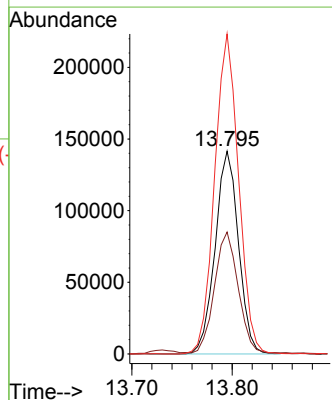
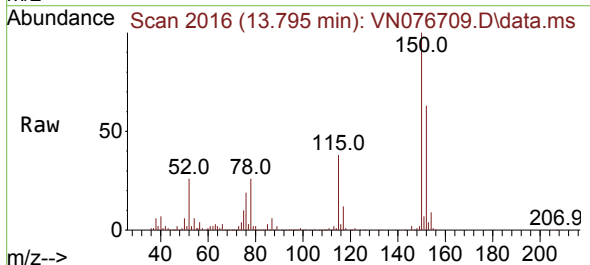
Instrument :  
MSVOA\_N  
ClientSampleId :

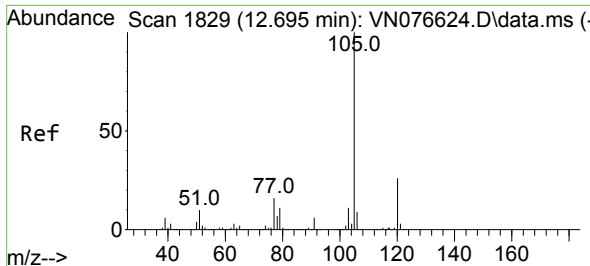
Tgt Ion:173 Resp: 1797  
Ion Ratio Lower Upper  
173 100  
175 703.2 24.9 74.7#  
254 0.0 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.795 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

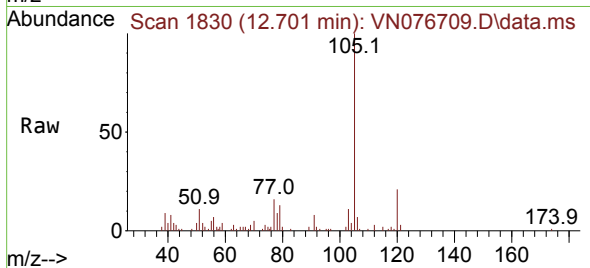
Tgt Ion:152 Resp: 228861  
Ion Ratio Lower Upper  
152 100  
115 62.3 29.3 87.9  
150 161.6 0.0 349.8



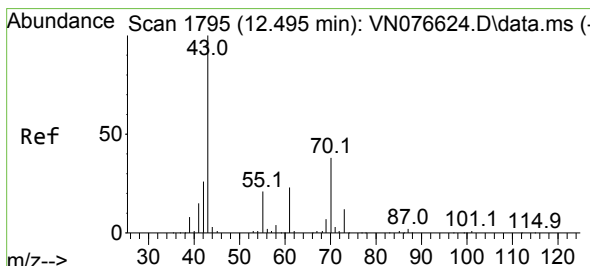
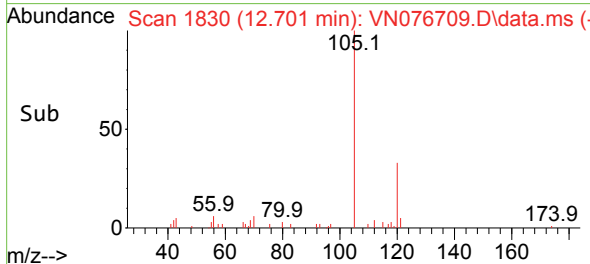
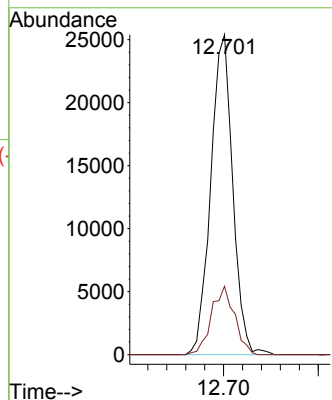


#73  
Isopropylbenzene  
Concen: 2.438 ug/l  
RT: 12.701 min Scan# 1830  
Delta R.T. 0.006 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Instrument :  
MSVOA\_N  
ClientSampleId :

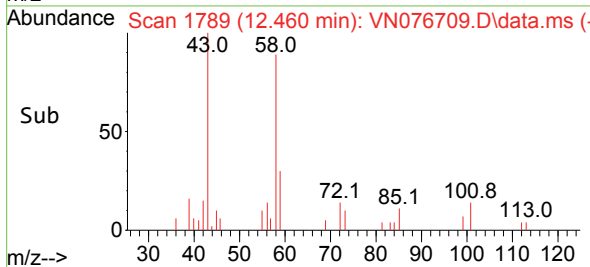
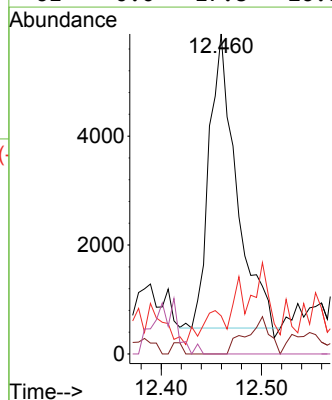
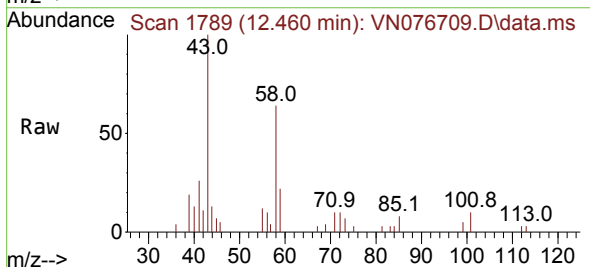


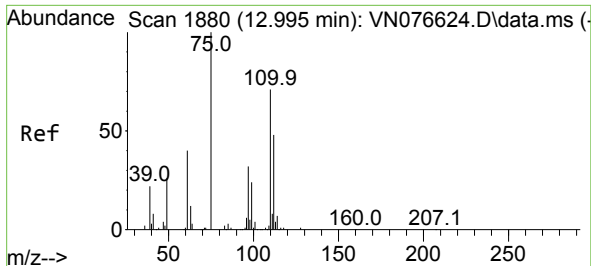
Tgt Ion:105 Resp: 40890  
Ion Ratio Lower Upper  
105 100  
120 22.5 13.7 41.0



#74  
N-ethyl acetate  
Concen: 1.343 ug/l  
RT: 12.460 min Scan# 1789  
Delta R.T. -0.035 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

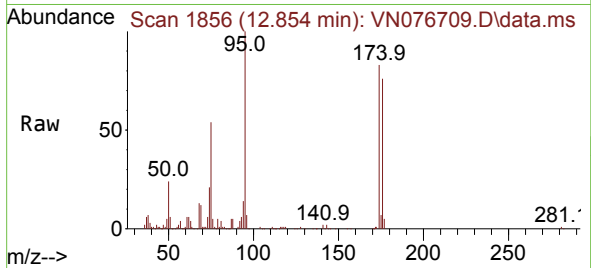
Tgt Ion: 43 Resp: 10155  
Ion Ratio Lower Upper  
43 100  
70 0.0 30.5 45.7#  
55 9.9 17.8 26.8#  
61 0.0 17.8 26.8#



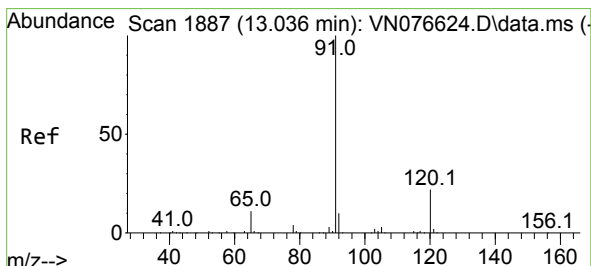
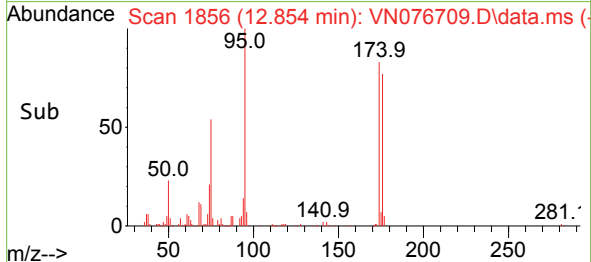
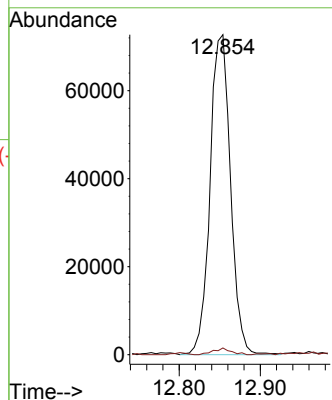


#76  
1,2,3-Trichloropropane  
Concen: 27.556 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. -0.141 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Instrument :  
MSVOA\_N  
ClientSampleId :

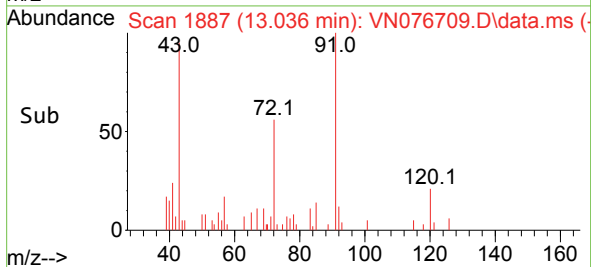
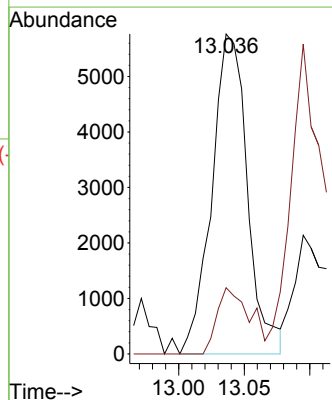
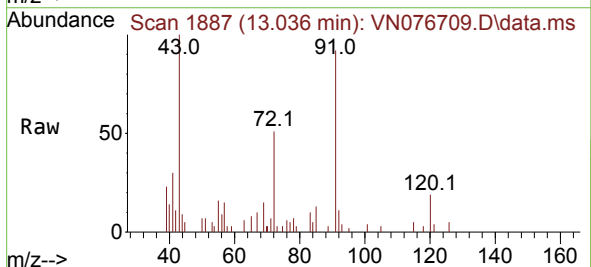


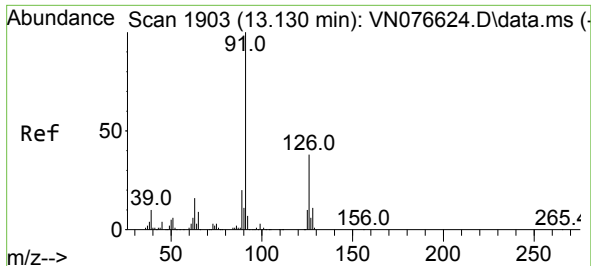
Tgt Ion: 75 Resp: 127498  
Ion Ratio Lower Upper  
75 100  
77 1.8 93.1 279.3#



#78  
n-propylbenzene  
Concen: 0.553 ug/l  
RT: 13.036 min Scan# 1887  
Delta R.T. 0.000 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Tgt Ion: 91 Resp: 10888  
Ion Ratio Lower Upper  
91 100  
120 19.1 11.5 34.5

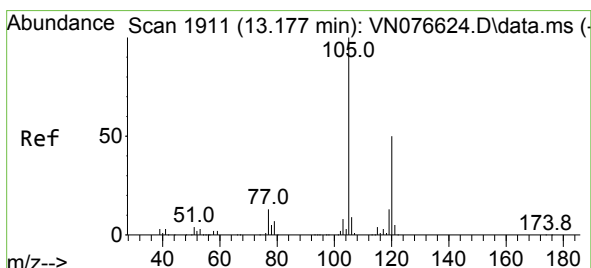
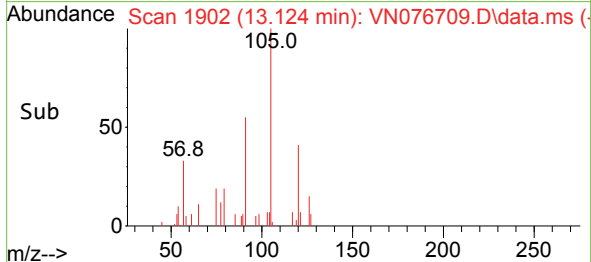
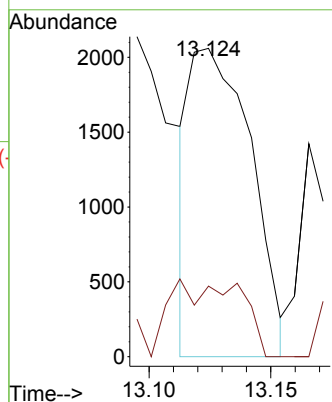
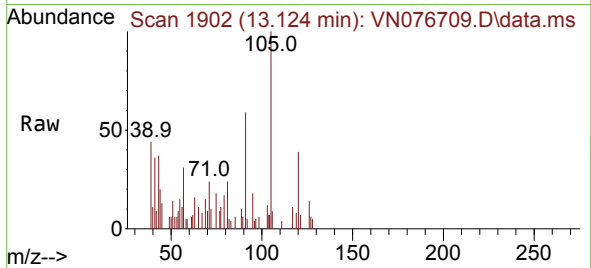




#79  
2-Chlorotoluene  
Concen: 0.299 ug/l  
RT: 13.124 min Scan# 1902  
Delta R.T. -0.006 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

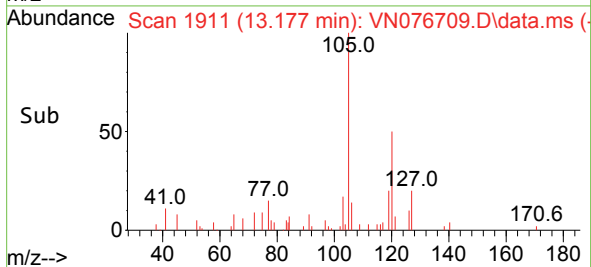
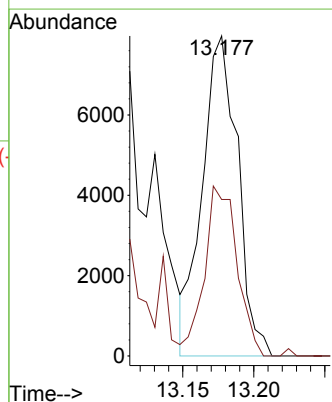
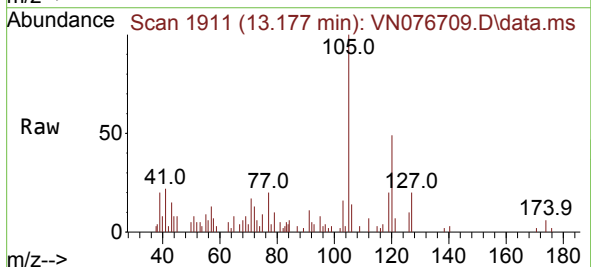
Instrument :  
MSVOA\_N  
ClientSampleId :

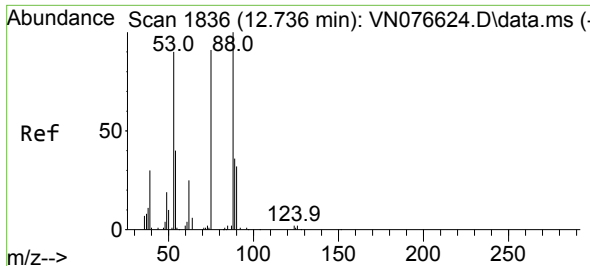
Tgt Ion: 91 Resp: 3603  
Ion Ratio Lower Upper  
91 100  
126 14.3 17.7 53.1#



#80  
1,3,5-Trimethylbenzene  
Concen: 0.994 ug/l  
RT: 13.177 min Scan# 1911  
Delta R.T. 0.000 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

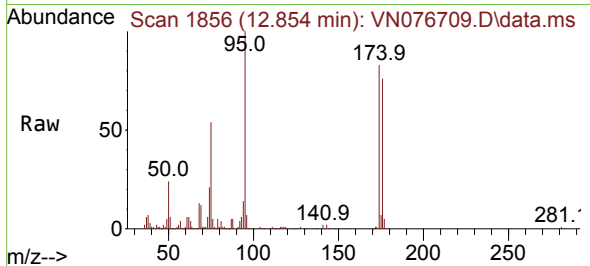
Tgt Ion: 105 Resp: 13782  
Ion Ratio Lower Upper  
105 100  
120 48.8 25.1 75.4



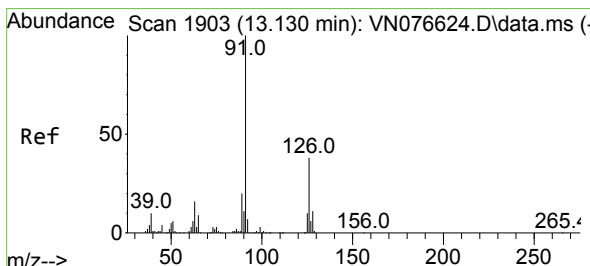
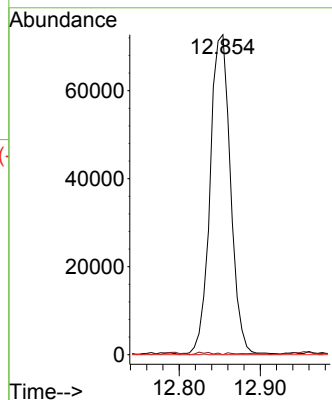
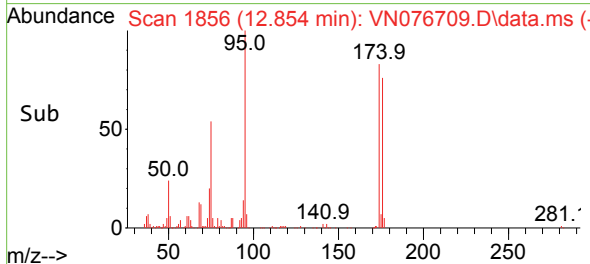


#81  
trans-1,4-Dichloro-2-butene  
Concen: 80.258 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.118 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Instrument :  
MSVOA\_N  
ClientSampleId :

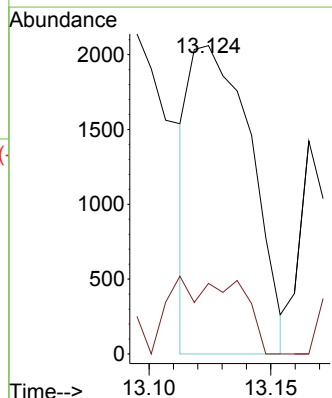
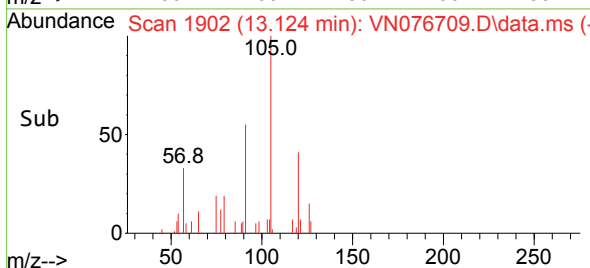
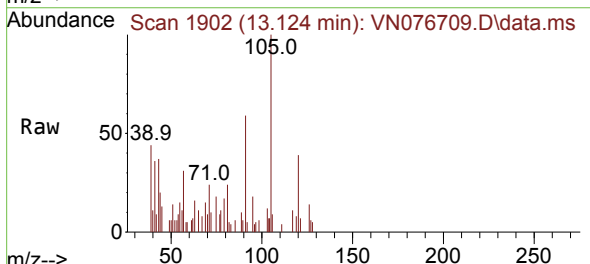


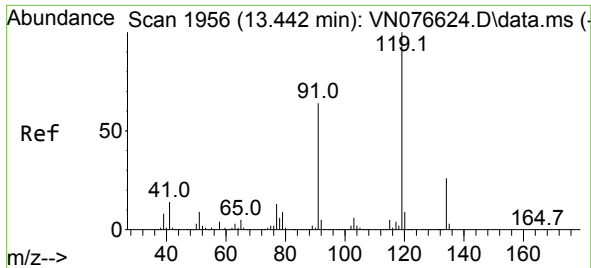
Tgt Ion: 75 Resp: 127498  
Ion Ratio Lower Upper  
75 100  
53 0.3 92.1 138.1#  
89 0.0 37.5 56.3#



#82  
4-Chlorotoluene  
Concen: 0.299 ug/l  
RT: 13.124 min Scan# 1902  
Delta R.T. -0.006 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Tgt Ion: 91 Resp: 3603  
Ion Ratio Lower Upper  
91 100  
126 14.3 17.7 53.1#

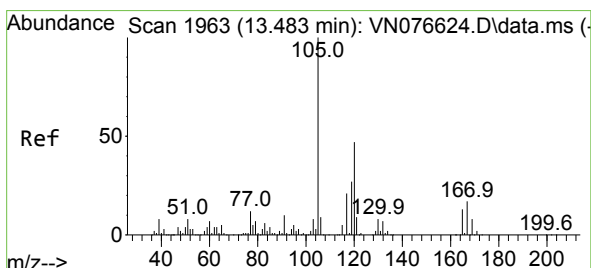
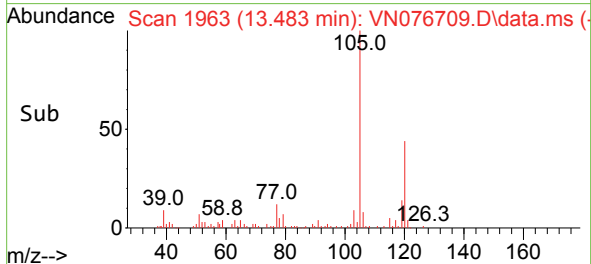
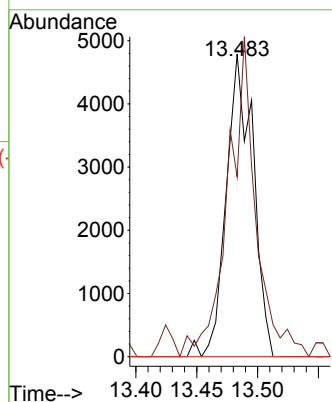
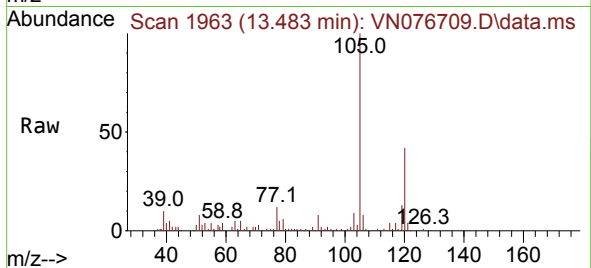




#83  
tert-Butylbenzene  
Concen: 0.589 ug/l  
RT: 13.483 min Scan# 1963  
Delta R.T. 0.041 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

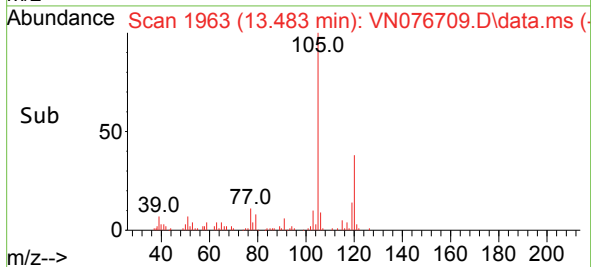
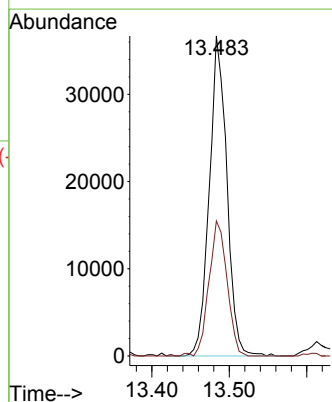
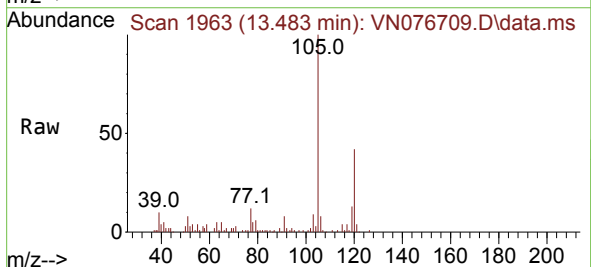
Instrument :  
MSVOA\_N  
ClientSampleId :

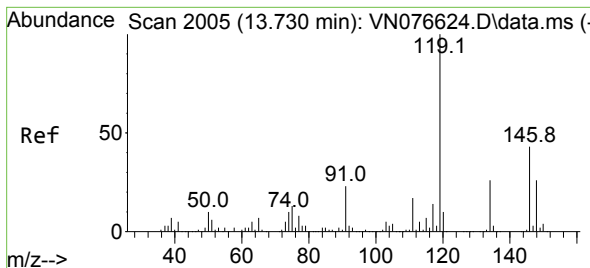
Tgt Ion:119 Resp: 7381  
Ion Ratio Lower Upper  
119 100  
91 108.7 32.0 96.2#  
134 0.0 13.8 41.4#



#84  
1,2,4-Trimethylbenzene  
Concen: 4.183 ug/l  
RT: 13.483 min Scan# 1963  
Delta R.T. 0.000 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Tgt Ion:105 Resp: 57790  
Ion Ratio Lower Upper  
105 100  
120 43.5 23.0 69.0





#86

p-Isopropyltoluene

Concen: 3.615 ug/l

RT: 13.730 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VN076709.D

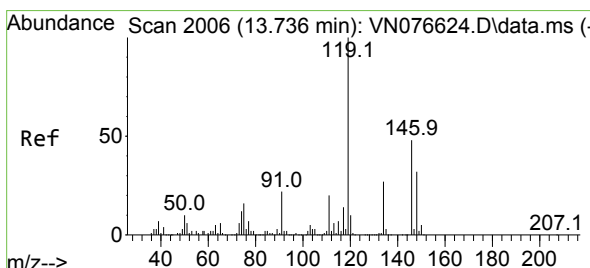
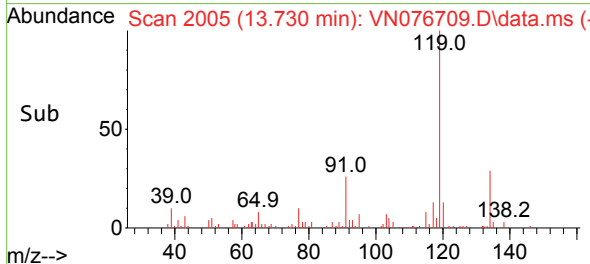
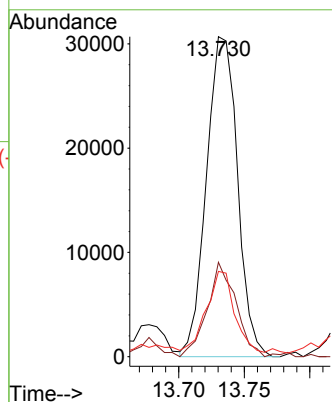
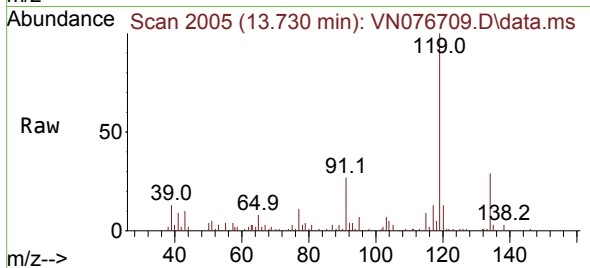
Acq: 16 Feb 2023 14:15

Instrument :

MSVOA\_N

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 50547 |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 27.5  | 13.4  | 40.1  |
| 91       | 22.7  | 11.7  | 35.0  |



#87

1,3-Dichlorobenzene

Concen: 4.047 ug/l

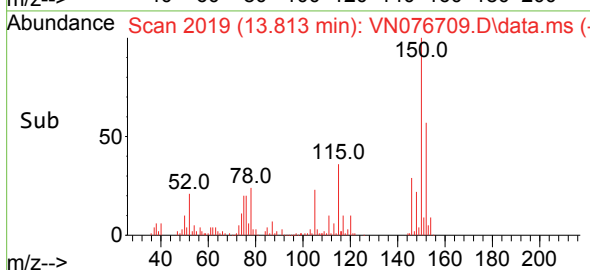
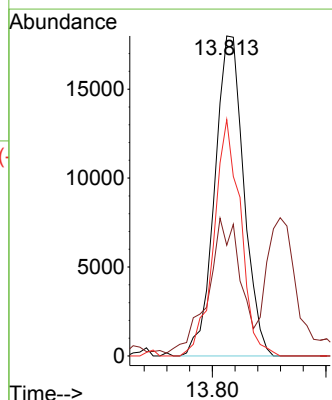
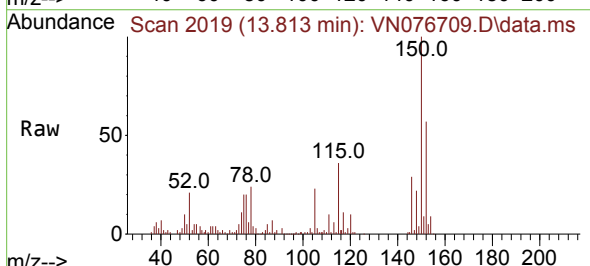
RT: 13.813 min Scan# 2019

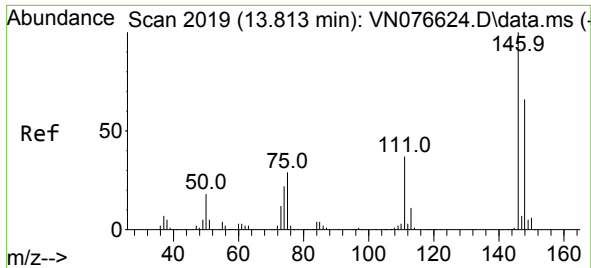
Delta R.T. 0.077 min

Lab File: VN076709.D

Acq: 16 Feb 2023 14:15

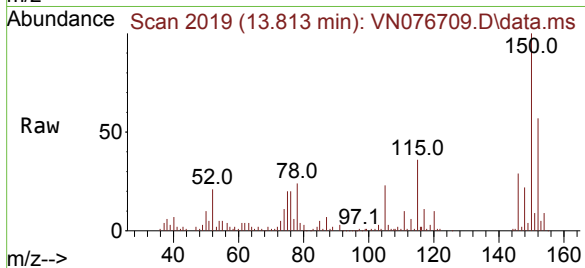
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 32016 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 48.8  | 19.8  | 59.4  |
| 148      | 67.8  | 32.0  | 96.2  |



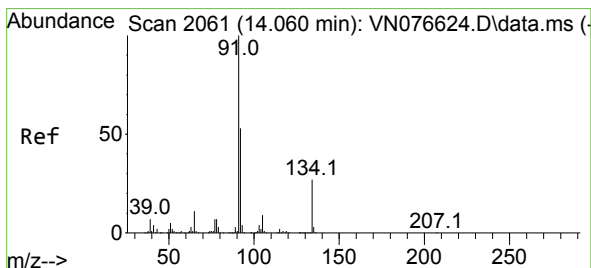
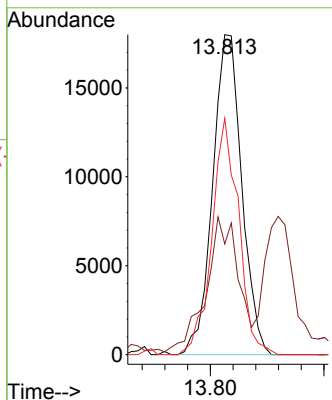
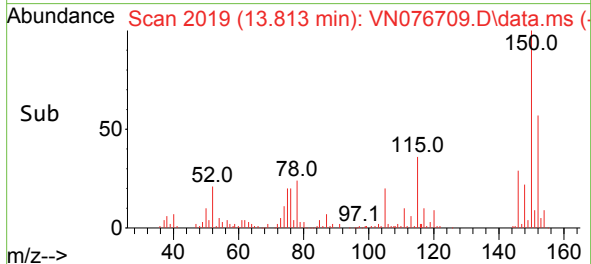


#88  
1,4-Dichlorobenzene  
Concen: 4.064 ug/l  
RT: 13.813 min Scan# 2019  
Delta R.T. -0.000 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

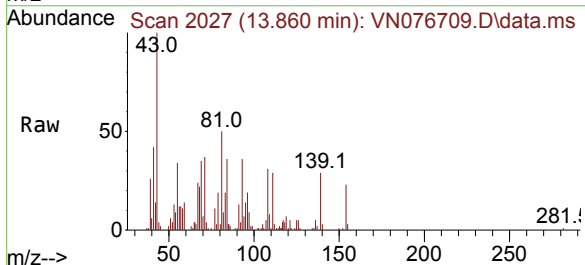
Instrument :  
MSVOA\_N  
ClientSampleId :



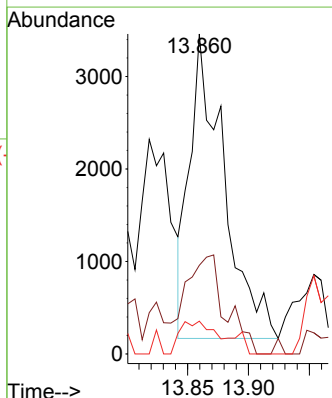
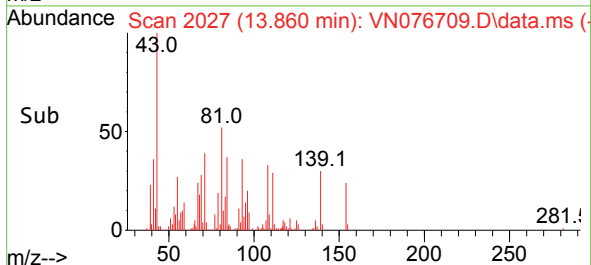
Tgt Ion:146 Resp: 32016  
Ion Ratio Lower Upper  
146 100  
111 48.8 19.4 58.1  
148 67.8 32.7 98.1

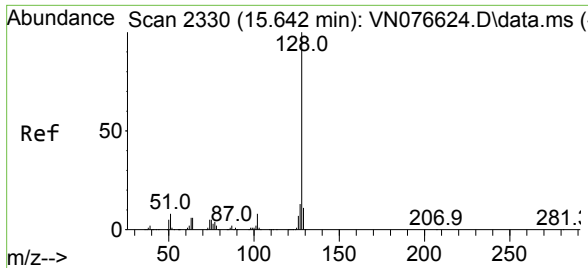


#89  
n-Butylbenzene  
Concen: 0.529 ug/l  
RT: 13.860 min Scan# 2027  
Delta R.T. -0.200 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15



Tgt Ion: 91 Resp: 6431  
Ion Ratio Lower Upper  
91 100  
92 37.3 26.4 79.0  
134 13.7 13.2 39.5





#95  
Naphthalene  
Concen: 40.612 ug/l  
RT: 15.642 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN076709.D  
Acq: 16 Feb 2023 14:15

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:128 Resp: 498596  
Ion Ratio Lower Upper  
128 100  
127 13.6 10.6 16.0  
129 10.8 8.6 13.0

