

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060521\  
 Data File : VN067226.D  
 Acq On : 5 Jun 2021 13:41  
 Operator : JC/MD  
 Sample : M2589-29  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 18-B9(4-6)

Quant Time: Jun 07 01:14:20 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060421W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 04 19:00:20 2021  
 Response via : Initial Calibration

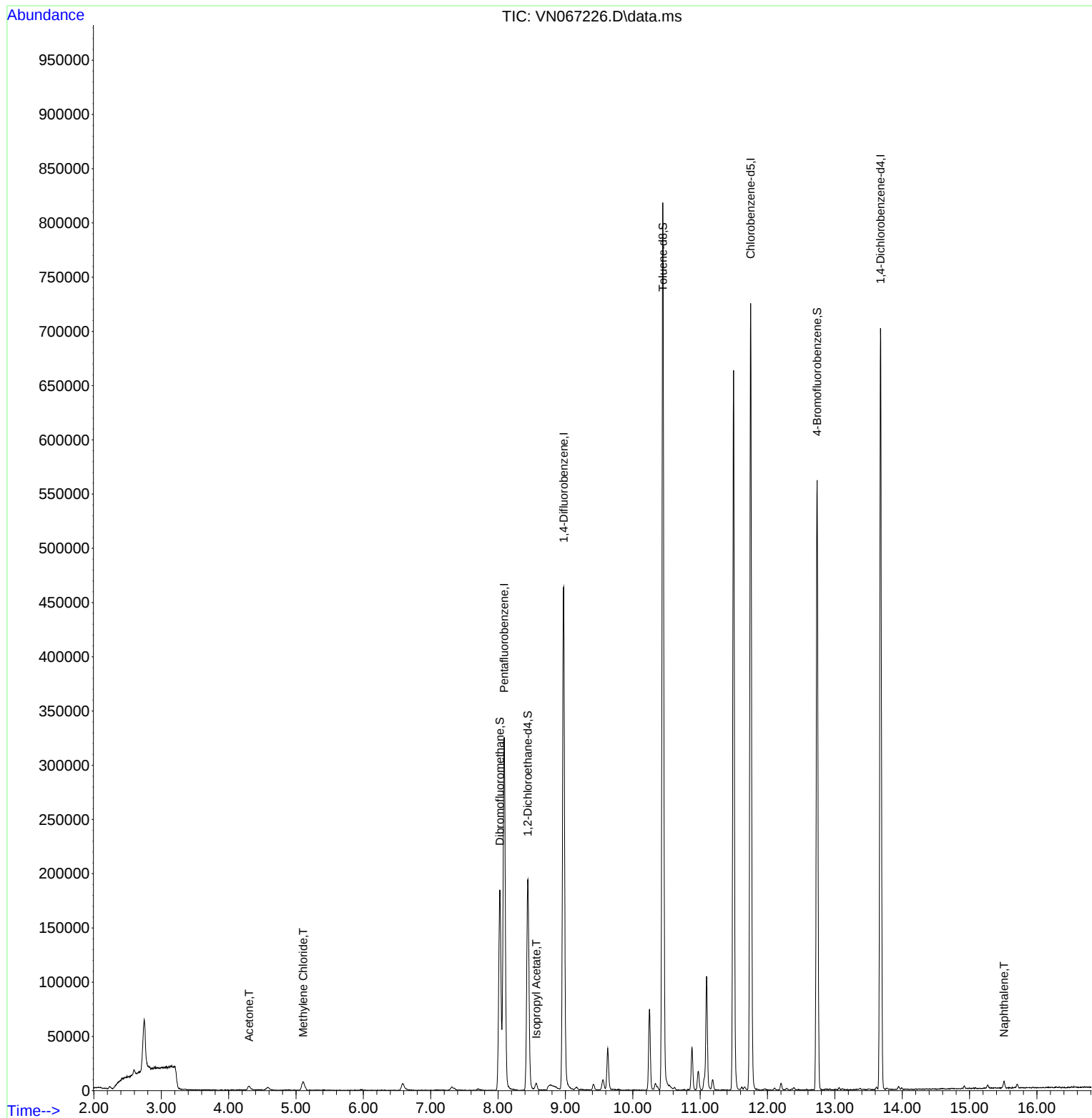
| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.091          | 168  | 264705     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.973          | 114  | 440421     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.749         | 117  | 422069     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.677         | 152  | 184987     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.440          | 65   | 156310     | 43.320   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 86.640%  |        |          |
| 35) Dibromofluoromethane    | 8.027          | 113  | 132494     | 48.527   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 97.060%  |        |          |
| 50) Toluene-d8              | 10.446         | 98   | 572969     | 51.527   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 103.060% |        |          |
| 62) 4-Bromofluorobenzene    | 12.736         | 95   | 181129     | 42.293   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 84.580%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        |          |
| 16) Acetone                 | 4.304          | 43   | 7522       | 6.042    | ug/l   | 96       |
| 20) Methylene Chloride      | 5.106          | 84   | 6471       | 2.064    | ug/l # | 97       |
| 43) Isopropyl Acetate       | 8.568          | 43   | 7495       | 1.005    | ug/l # | 82       |
| 95) Naphthalene             | 15.509         | 128  | 6472       | 5.142    | ug/l # | 96       |
| -----                       |                |      |            |          |        |          |

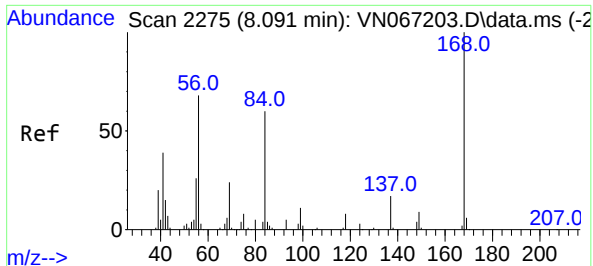
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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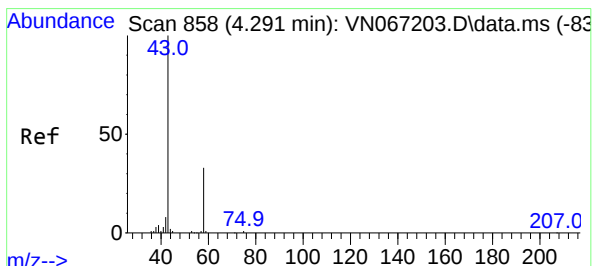
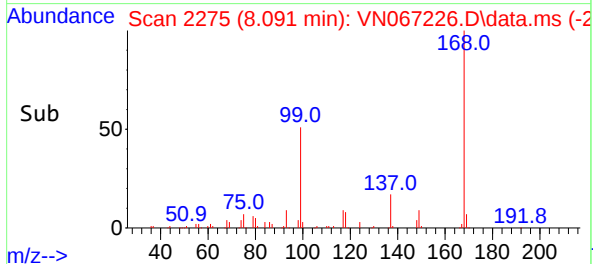
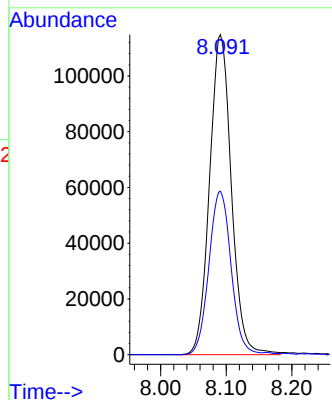
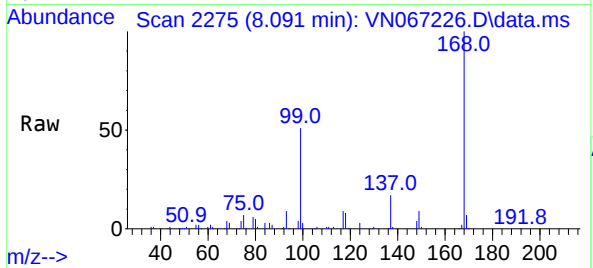




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.091 min Scan# 2275  
Delta R.T. -0.000 min  
Lab File: VN067226.D  
Acq: 5 Jun 2021 13:41

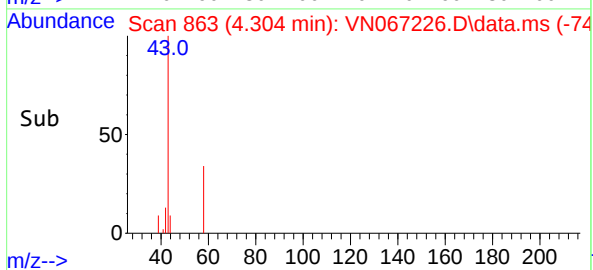
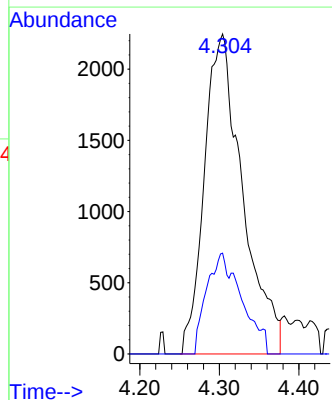
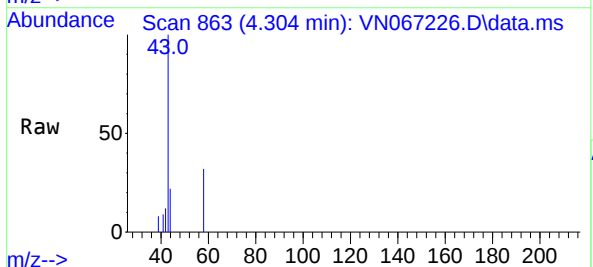
Instrument :  
MSVOA\_N  
ClientSampled :  
18-B9(4-6)

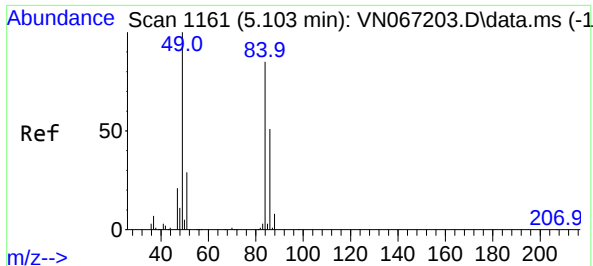
Tgt Ion:168 Resp: 264705  
Ion Ratio Lower Upper  
168 100  
99 51.1 38.5 57.7



#16  
Acetone  
Concen: 6.042 ug/l  
RT: 4.304 min Scan# 863  
Delta R.T. 0.013 min  
Lab File: VN067226.D  
Acq: 5 Jun 2021 13:41

Tgt Ion: 43 Resp: 7522  
Ion Ratio Lower Upper  
43 100  
58 31.5 27.2 40.8





#20

Methylene Chloride

Concen: 2.064 ug/l

RT: 5.106 min Scan# 1162

Delta R.T. 0.003 min

Lab File: VN067226.D

Acq: 5 Jun 2021 13:41

Instrument :  
MSVOA\_N  
ClientSampled :  
18-B9(4-6)

Tgt Ion: 84 Resp: 6471

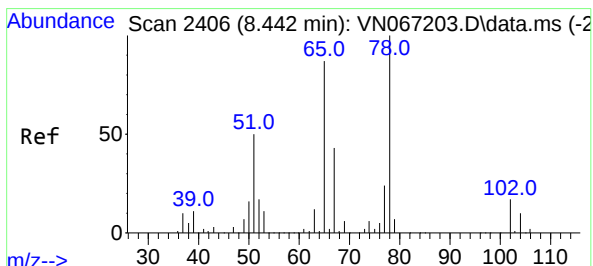
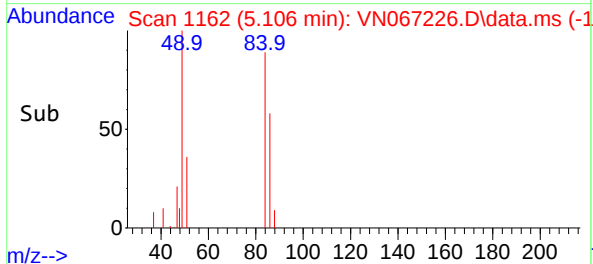
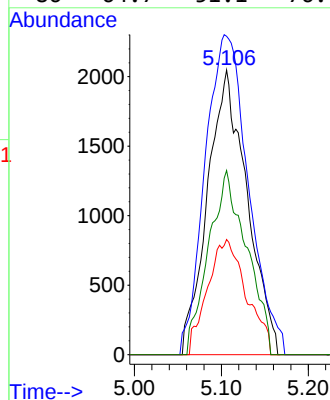
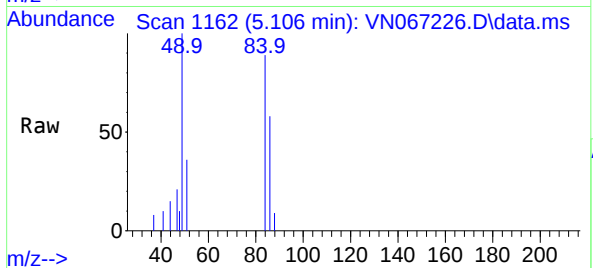
Ion Ratio Lower Upper

84 100

49 111.8 88.3 132.5

51 40.5 26.7 40.1#

86 64.7 51.1 76.7



#33

1,2-Dichloroethane-d4

Concen: 43.320 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.003 min

Lab File: VN067226.D

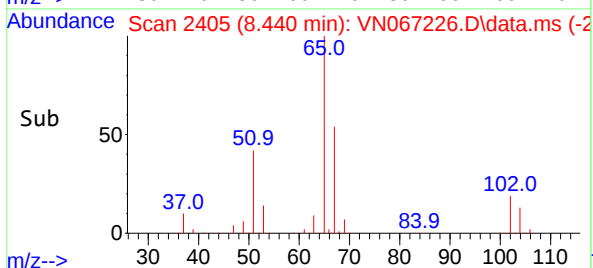
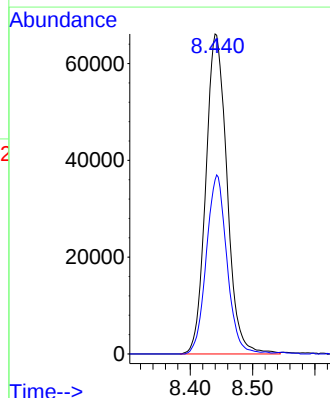
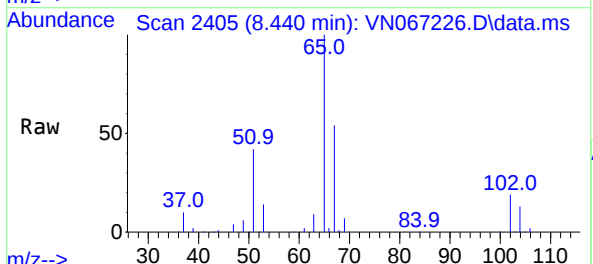
Acq: 5 Jun 2021 13:41

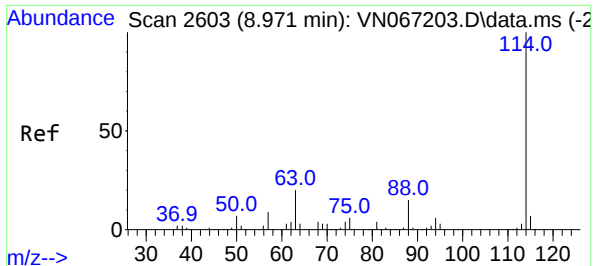
Tgt Ion: 65 Resp: 156310

Ion Ratio Lower Upper

65 100

67 54.2 0.0 110.4

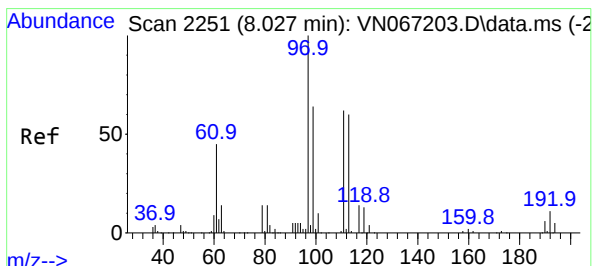
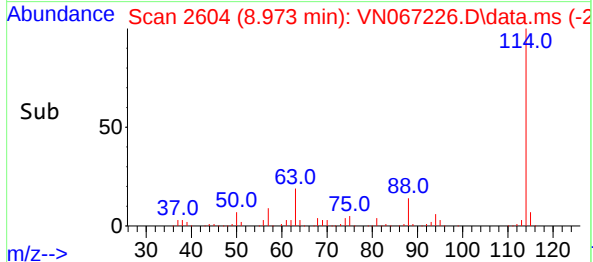
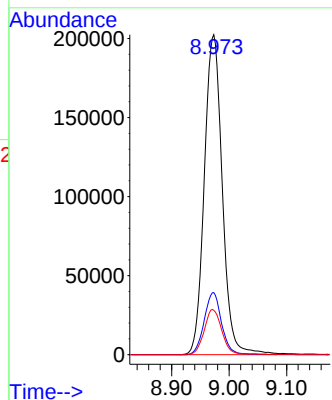
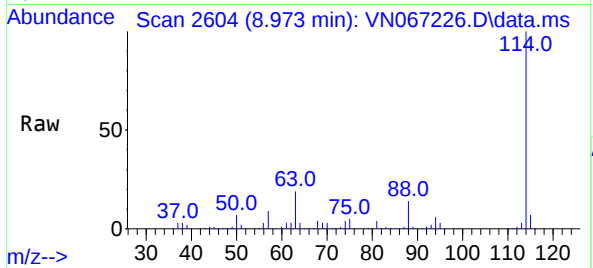




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.973 min Scan# 2604  
Delta R.T. 0.003 min  
Lab File: VN067226.D  
Acq: 5 Jun 2021 13:41

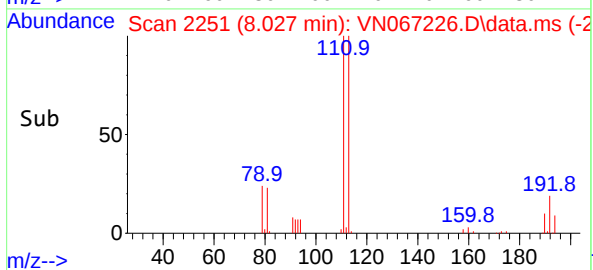
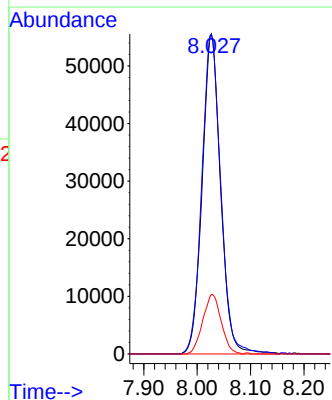
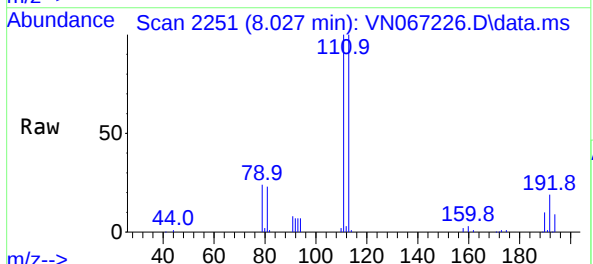
Instrument :  
MSVOA\_N  
ClientSampleId :  
18-B9(4-6)

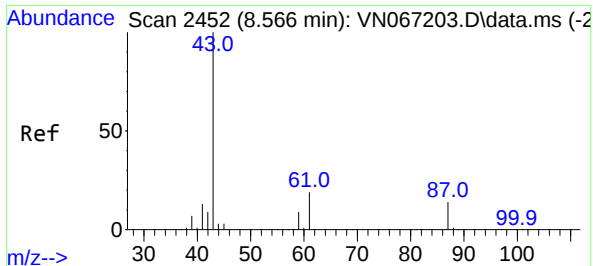
Tgt Ion:114 Resp: 440421  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 35.8  
88 13.9 0.0 30.4



#35  
Dibromofluoromethane  
Concen: 48.527 ug/l  
RT: 8.027 min Scan# 2251  
Delta R.T. -0.000 min  
Lab File: VN067226.D  
Acq: 5 Jun 2021 13:41

Tgt Ion:113 Resp: 132494  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.6 124.0  
192 18.7 18.2 27.4

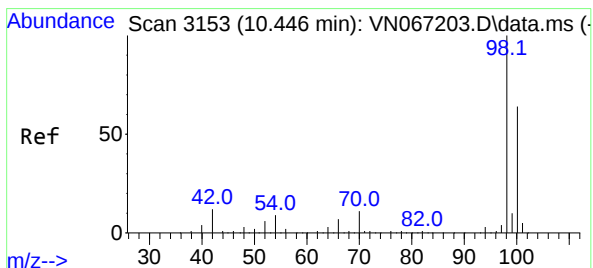
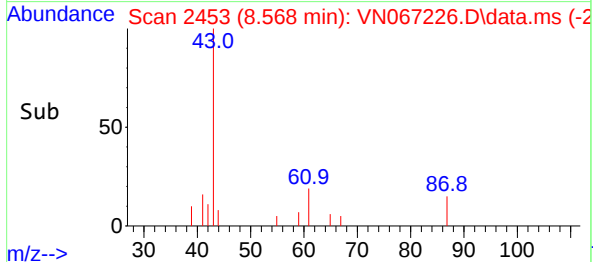
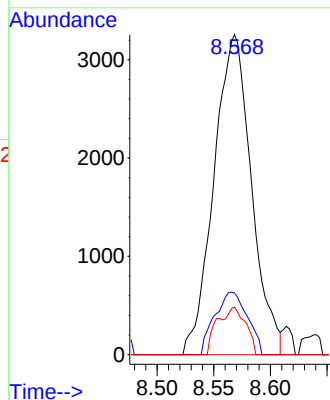
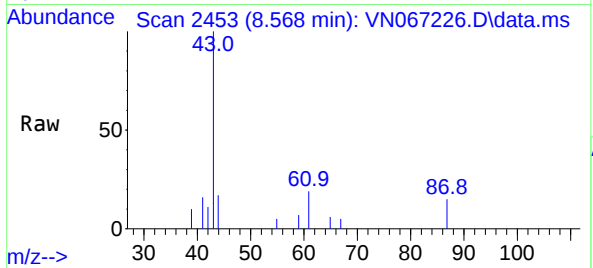




#43  
Isopropyl Acetate  
Concen: 1.005 ug/l  
RT: 8.568 min Scan# 2453  
Delta R.T. 0.003 min  
Lab File: VN067226.D  
Acq: 5 Jun 2021 13:41

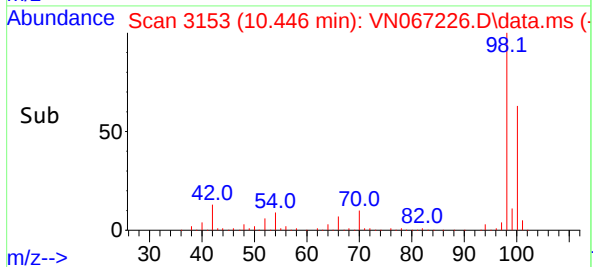
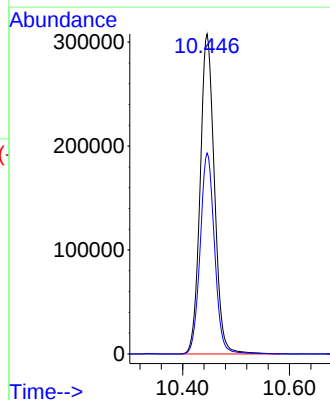
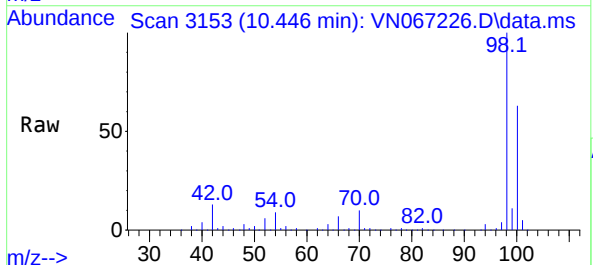
Instrument :  
MSVOA\_N  
ClientSampleId :  
18-B9(4-6)

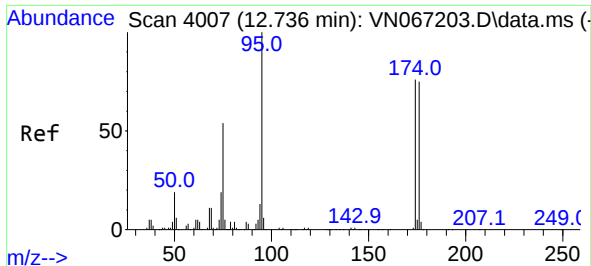
Tgt Ion: 43 Resp: 7495  
Ion Ratio Lower Upper  
43 100  
61 17.0 23.4 35.0#  
87 11.1 12.2 18.2#



#50  
Toluene-d8  
Concen: 51.527 ug/l  
RT: 10.446 min Scan# 3153  
Delta R.T. -0.000 min  
Lab File: VN067226.D  
Acq: 5 Jun 2021 13:41

Tgt Ion: 98 Resp: 572969  
Ion Ratio Lower Upper  
98 100  
100 63.2 51.8 77.8



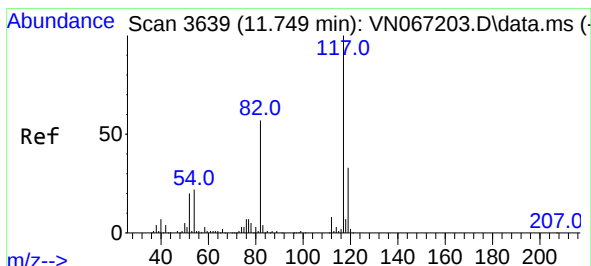
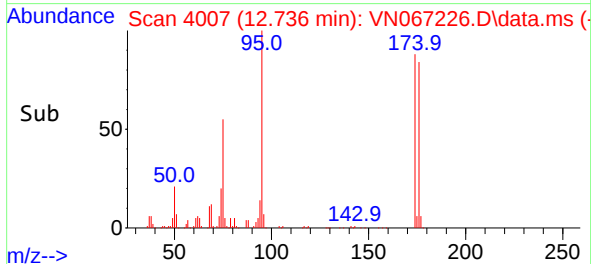
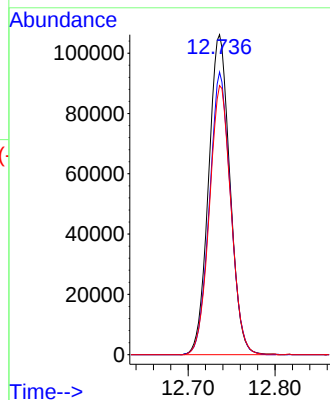
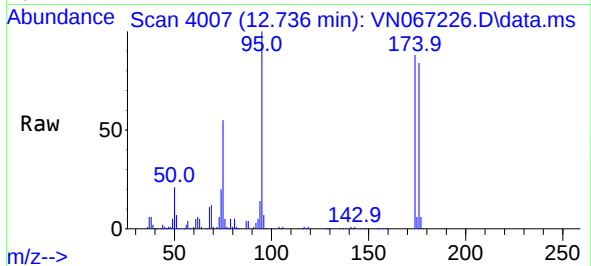


#62  
4-Bromofluorobenzene  
Concen: 42.293 ug/l  
RT: 12.736 min Scan# 4007  
Delta R.T. -0.000 min  
Lab File: VN067226.D  
Acq: 5 Jun 2021 13:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
18-B9(4-6)

Tgt Ion: 95 Resp: 181129

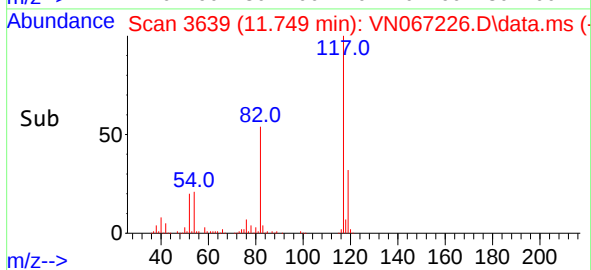
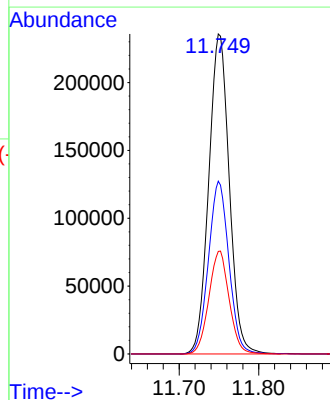
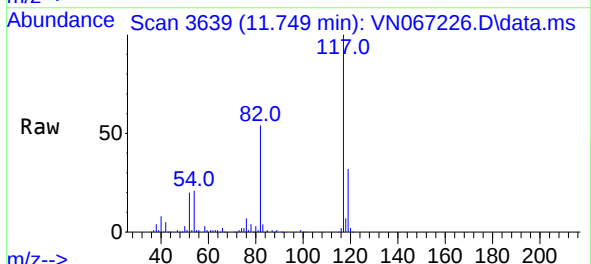
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 87.3  | 0.0   | 182.8 |
| 176 | 84.9  | 0.0   | 176.6 |

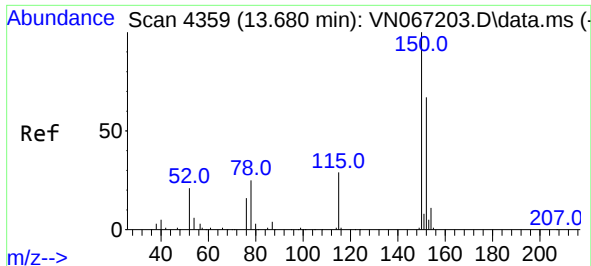


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.749 min Scan# 3639  
Delta R.T. -0.000 min  
Lab File: VN067226.D  
Acq: 5 Jun 2021 13:41

Tgt Ion: 117 Resp: 422069

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 54.0  | 42.2  | 63.2  |
| 119 | 32.1  | 25.8  | 38.6  |

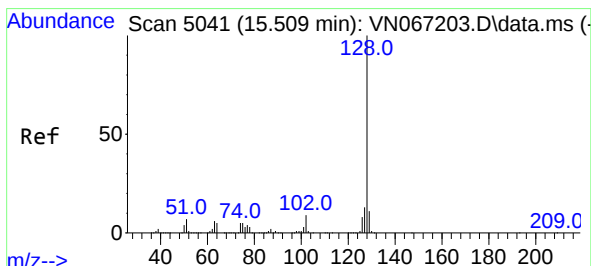
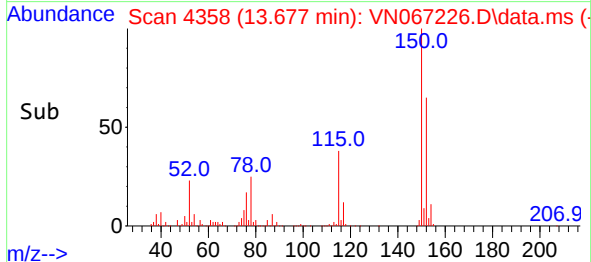
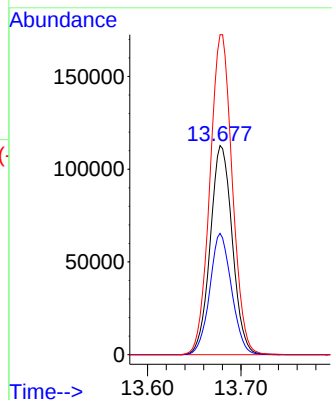
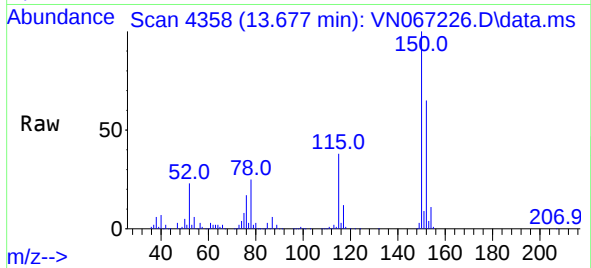




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.677 min Scan# 4358  
Delta R.T. -0.003 min  
Lab File: VN067226.D  
Acq: 5 Jun 2021 13:41

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18-B9(4-6)

Tgt Ion:152 Resp: 184987  
Ion Ratio Lower Upper  
152 100  
115 57.4 27.0 80.8  
150 155.6 0.0 350.2



#95  
Naphthalene  
Concen: 5.142 ug/l  
RT: 15.509 min Scan# 5041  
Delta R.T. 0.000 min  
Lab File: VN067226.D  
Acq: 5 Jun 2021 13:41

Tgt Ion:128 Resp: 6472  
Ion Ratio Lower Upper  
128 100  
127 11.8 10.2 15.2  
129 8.1 8.6 13.0#

