

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081522\  
 Data File : VN073918.D  
 Acq On : 16 Aug 2022 01:18  
 Operator : JC\MD  
 Sample : N4188-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S4

Quant Time: Aug 16 05:13:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081522W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 16 00:45:21 2022  
 Response via : Initial Calibration

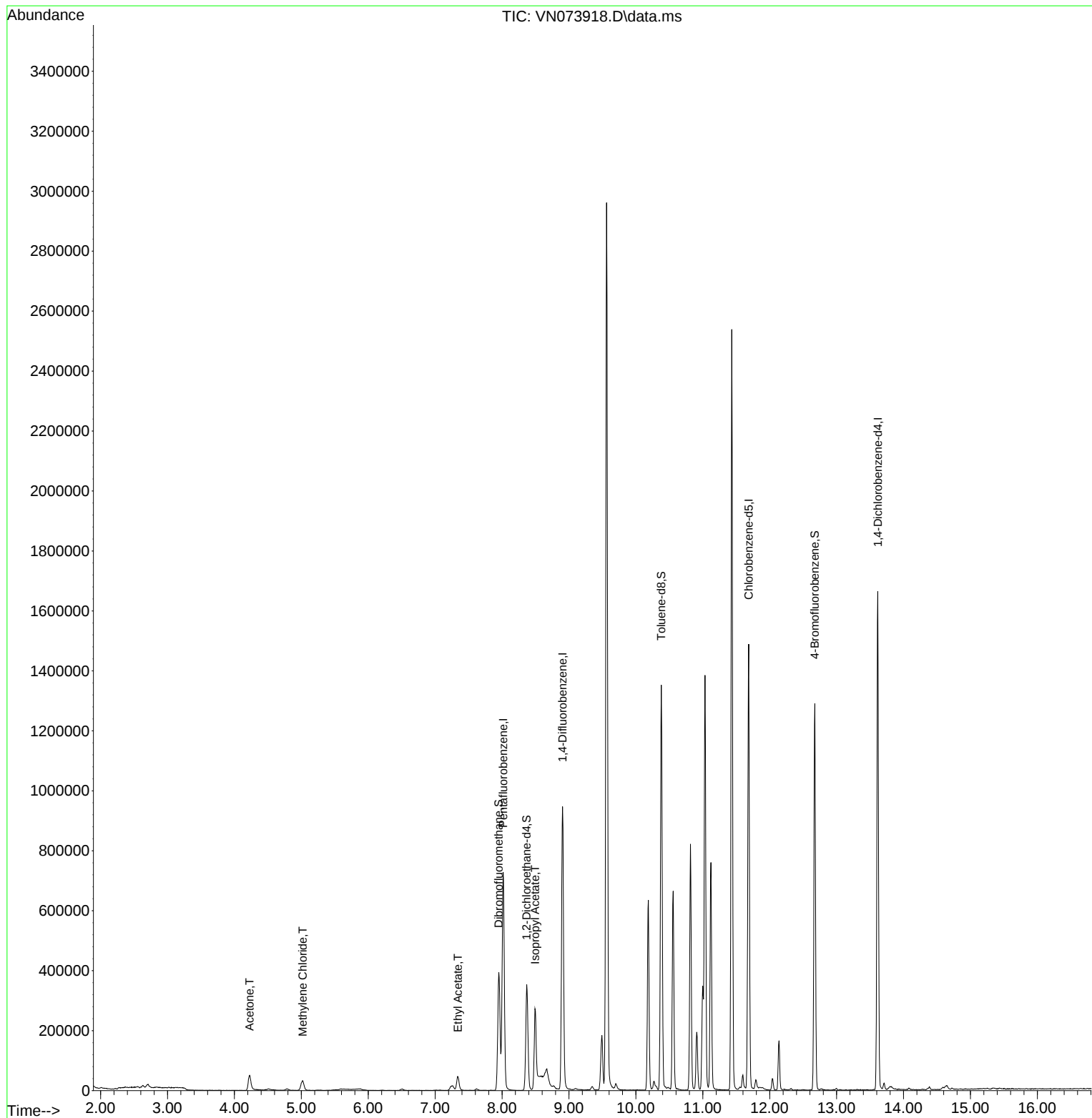
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.016  | 168   | 633766   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.904  | 114   | 915528   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.686 | 117   | 903828   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.615 | 152   | 492664   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.369  | 65    | 293843   | 47.602   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 95.200%  |
| 35) Dibromofluoromethane    | 7.951  | 113   | 287970   | 53.187   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 106.380% |
| 50) Toluene-d8              | 10.380 | 98    | 975151   | 46.504   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 93.000%  |
| 62) 4-Bromofluorobenzene    | 12.674 | 95    | 414775   | 59.600   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 119.200% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.228  | 43    | 91917    | 31.562   | ug/l   | 96       |
| 20) Methylene Chloride      | 5.022  | 84    | 29014    | 4.721    | ug/l # | 87       |
| 37) Ethyl Acetate           | 7.339  | 43    | 71365    | 7.833    | ug/l   | 96       |
| 43) Isopropyl Acetate       | 8.492  | 43    | 333784   | 25.717   | ug/l # | 90       |
| -----                       |        |       |          |          |        |          |

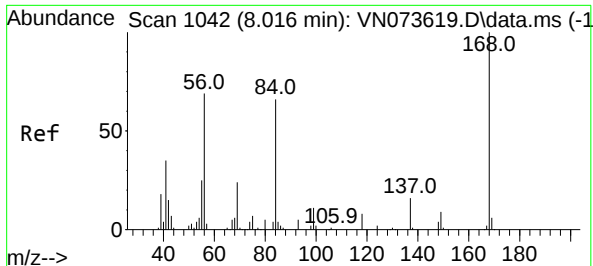
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081522W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 16 00:45:21 2022  
Response via : Initial Calibration

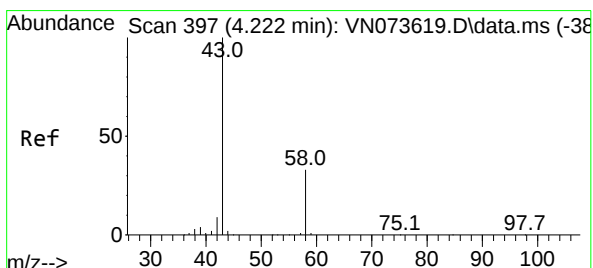
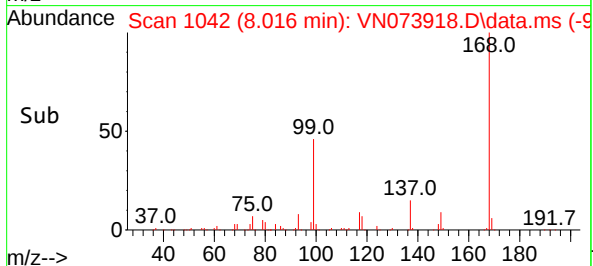
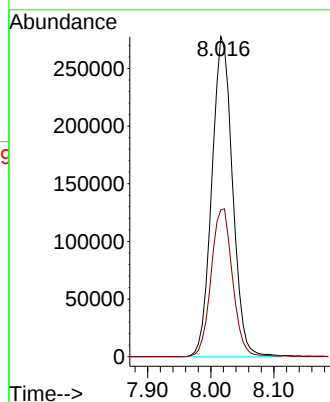
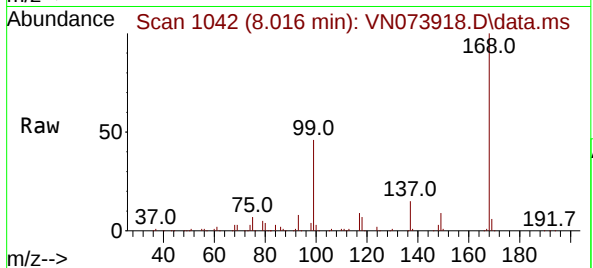




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN073918.D  
Acq: 16 Aug 2022 01:18

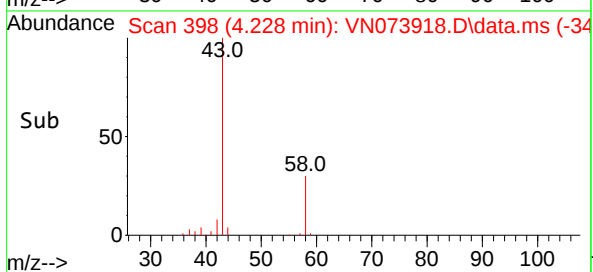
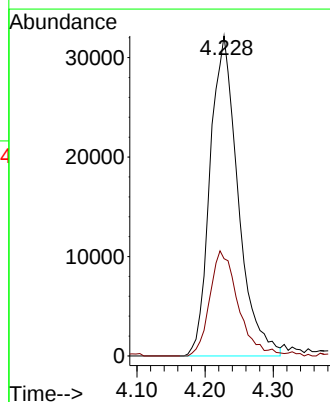
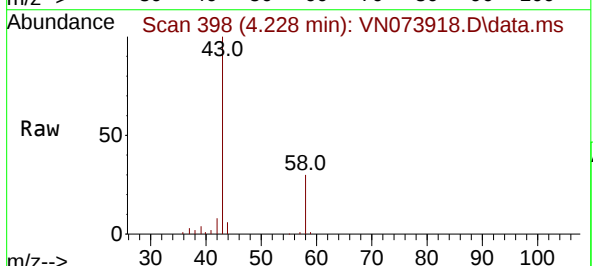
Instrument :  
MSVOA\_N  
ClientSampleId :  
S4

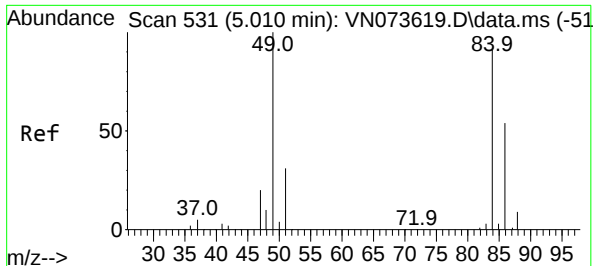
Tgt Ion:168 Resp: 633766  
Ion Ratio Lower Upper  
168 100  
99 45.9 42.3 63.5



#16  
Acetone  
Concen: 31.562 ug/l  
RT: 4.228 min Scan# 398  
Delta R.T. 0.006 min  
Lab File: VN073918.D  
Acq: 16 Aug 2022 01:18

Tgt Ion: 43 Resp: 91917  
Ion Ratio Lower Upper  
43 100  
58 30.4 26.0 39.0

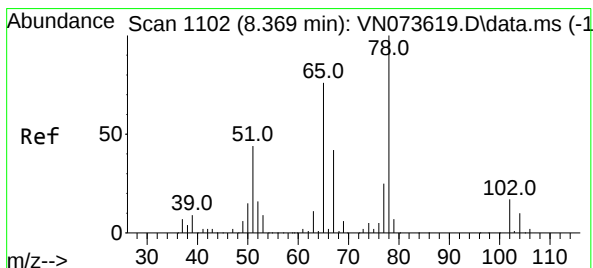
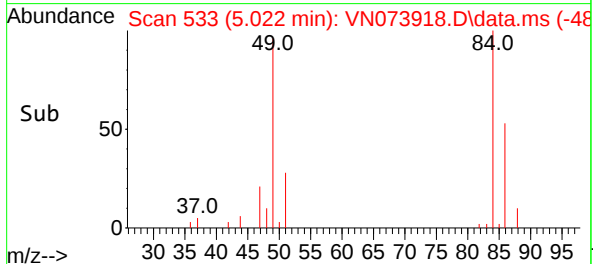
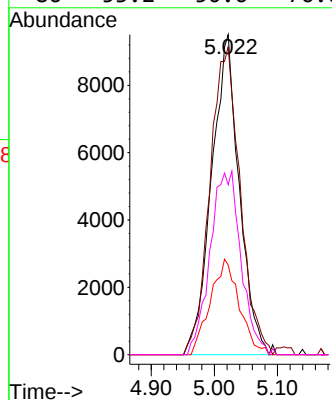
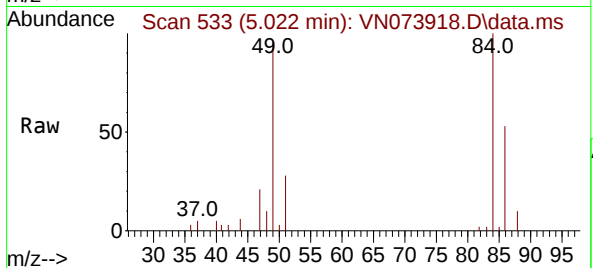




#20  
Methylene Chloride  
Concen: 4.721 ug/l  
RT: 5.022 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN073918.D  
Acq: 16 Aug 2022 01:18

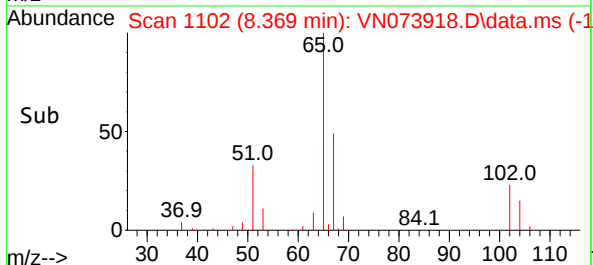
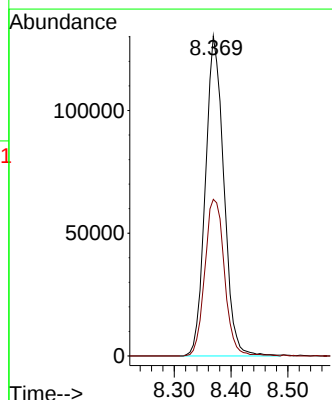
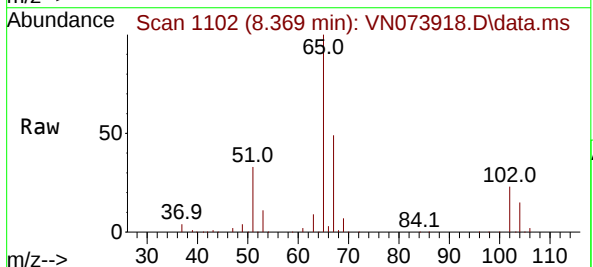
Instrument :  
MSVOA\_N  
ClientSampleId :  
S4

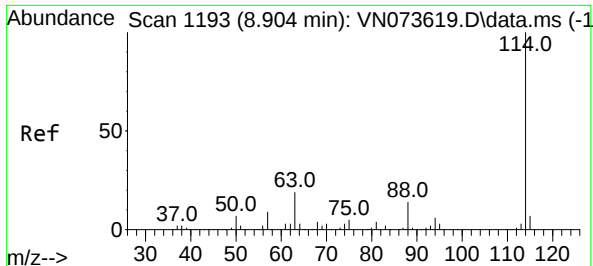
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 29014 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 96.2  | 88.3  | 132.5 |
| 51       | 28.0  | 28.2  | 42.2# |
| 86       | 53.2  | 50.6  | 76.0  |



#33  
1,2-Dichloroethane-d4  
Concen: 47.602 ug/l  
RT: 8.369 min Scan# 1102  
Delta R.T. -0.000 min  
Lab File: VN073918.D  
Acq: 16 Aug 2022 01:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 293843 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 52.0  | 0.0   | 104.8  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN073918.D

Acq: 16 Aug 2022 01:18

Instrument :

MSVOA\_N

ClientSampleId :

S4

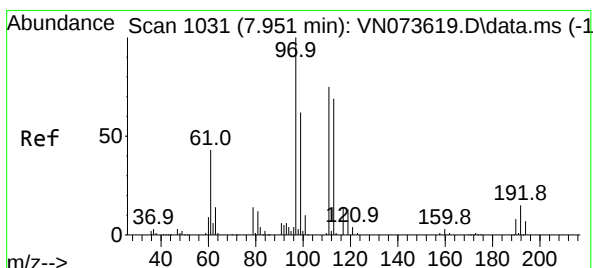
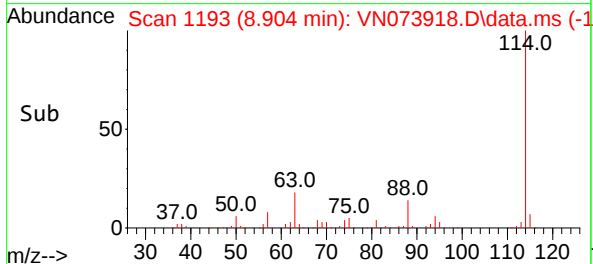
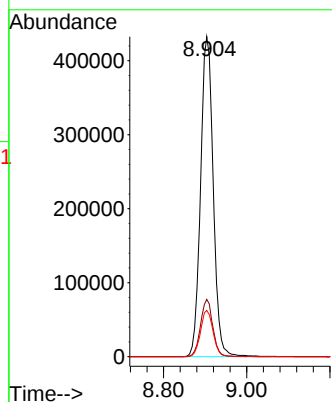
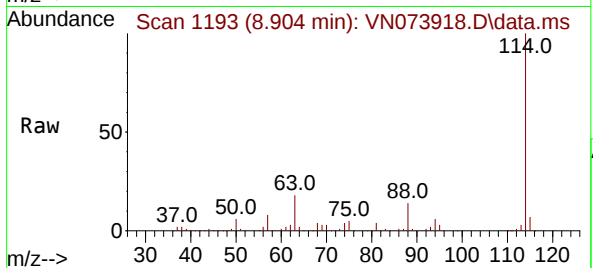
Tgt Ion:114 Resp: 915528

Ion Ratio Lower Upper

114 100

63 17.9 0.0 40.0

88 14.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.187 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073918.D

Acq: 16 Aug 2022 01:18

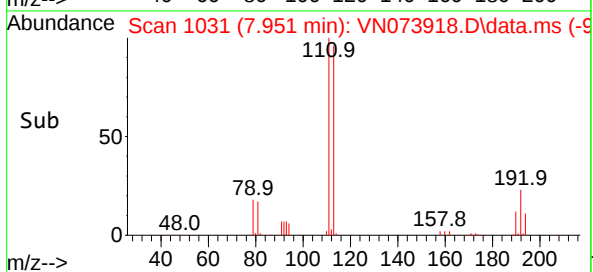
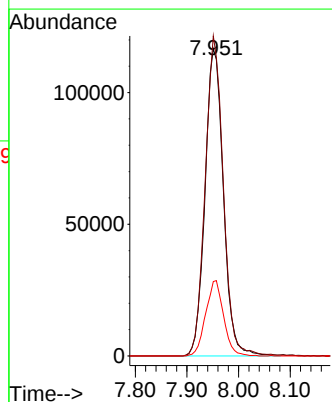
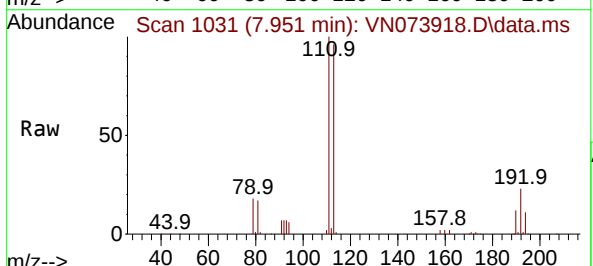
Tgt Ion:113 Resp: 287970

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 24.0 17.0 25.6

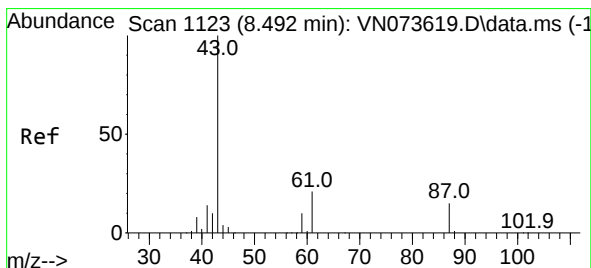
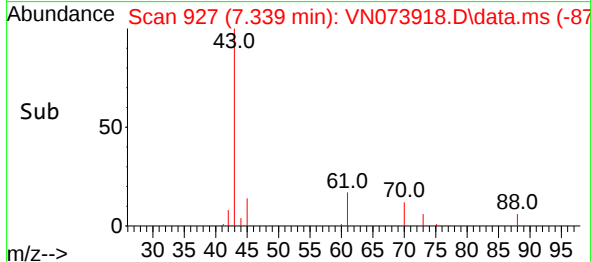
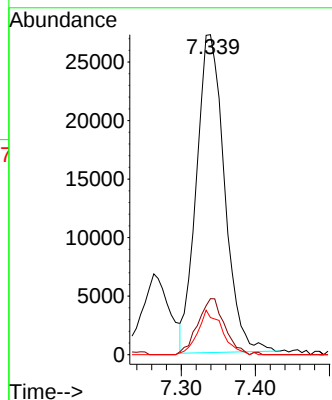
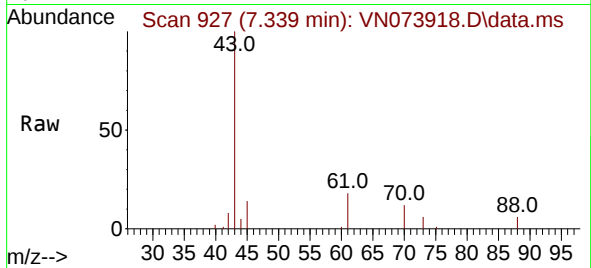




#37  
Ethyl Acetate  
Concen: 7.833 ug/l  
RT: 7.339 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN073918.D  
Acq: 16 Aug 2022 01:18

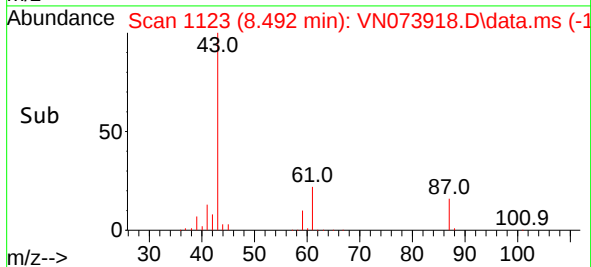
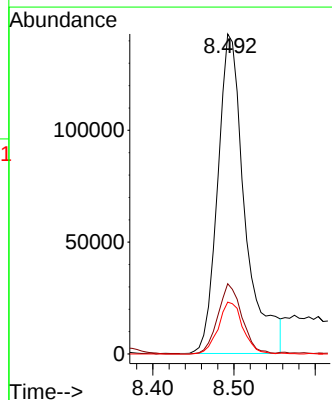
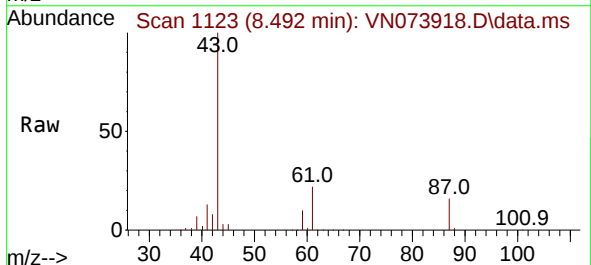
Instrument :  
MSVOA\_N  
ClientSampleId :  
S4

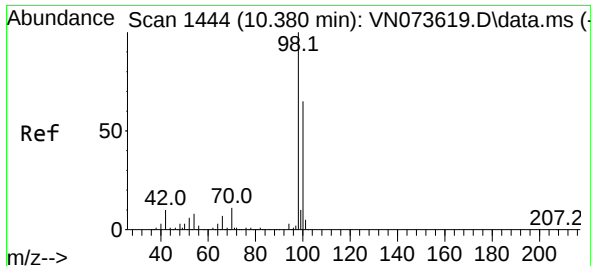
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 71365 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 16.8  | 11.8  | 17.6  |
| 70       | 12.2  | 9.3   | 13.9  |



#43  
Isopropyl Acetate  
Concen: 25.717 ug/l  
RT: 8.492 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN073918.D  
Acq: 16 Aug 2022 01:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 333784 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 19.4  | 21.9  | 32.9#  |
| 87       | 14.6  | 12.0  | 18.0   |

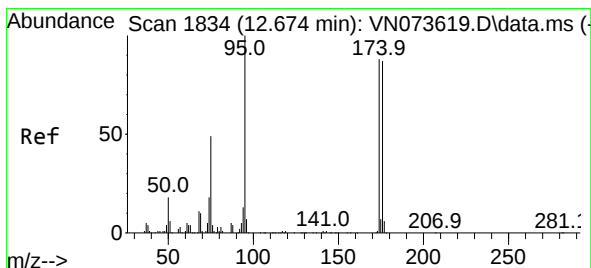
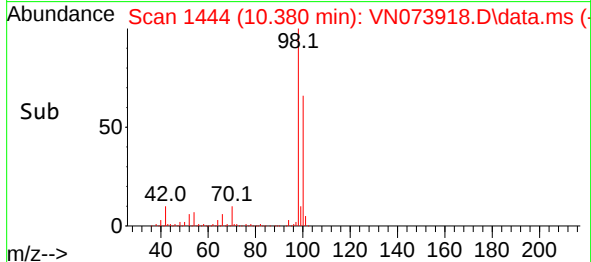
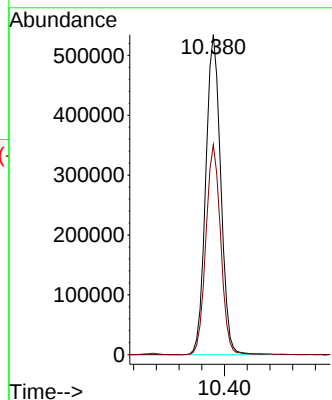
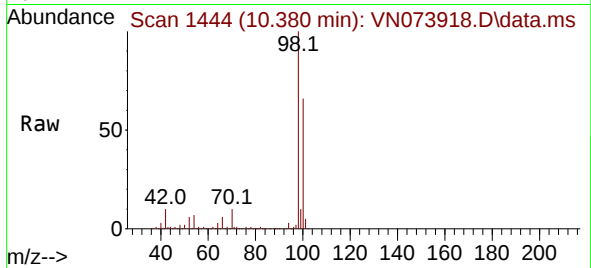




#50  
Toluene-d8  
Concen: 46.504 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN073918.D  
Acq: 16 Aug 2022 01:18

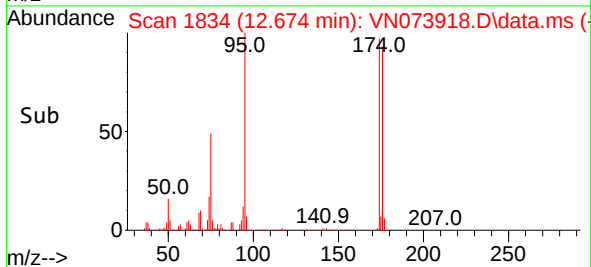
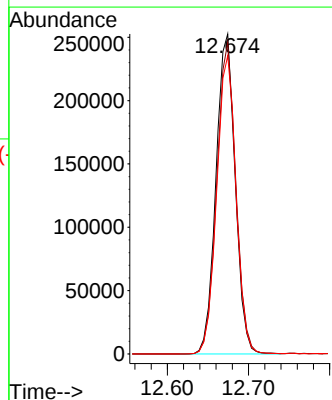
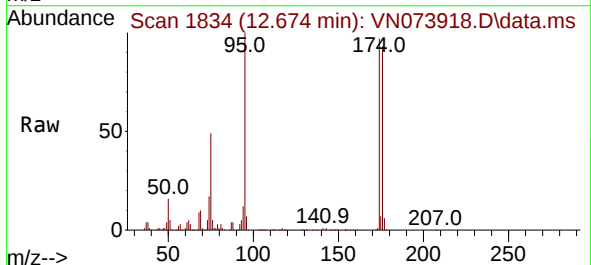
Instrument :  
MSVOA\_N  
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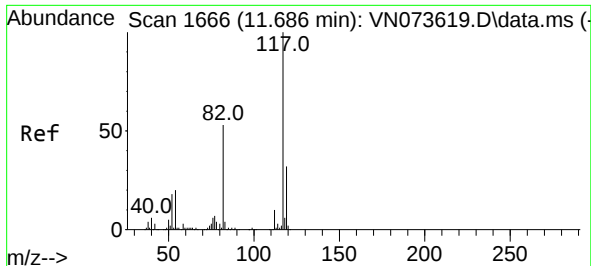
Tgt Ion: 98 Resp: 975151  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 59.600 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN073918.D  
Acq: 16 Aug 2022 01:18

Tgt Ion: 95 Resp: 414775  
Ion Ratio Lower Upper  
95 100  
174 97.1 0.0 167.6  
176 93.9 0.0 163.4

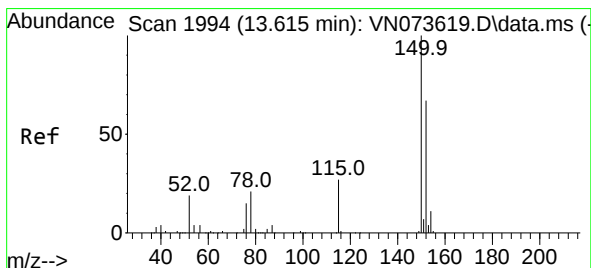
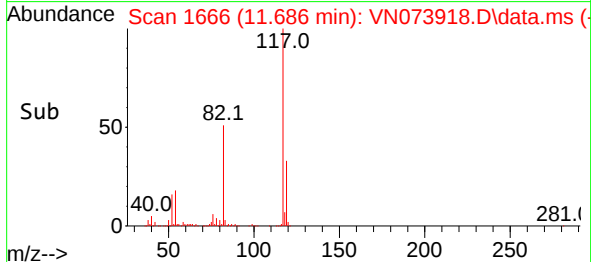
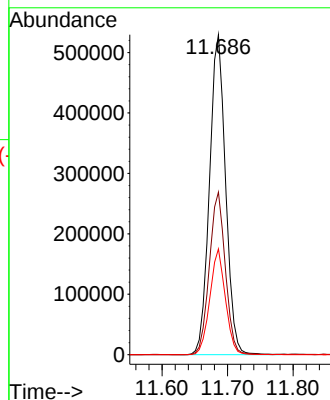
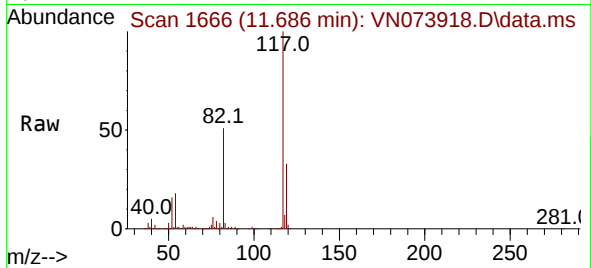




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 1170  
Delta R.T. 0.000 min  
Lab File: VN073918.D  
Acq: 16 Aug 2022 01:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Tgt Ion:117 Resp: 903828  
Ion Ratio Lower Upper  
117 100  
82 50.8 44.2 66.2  
119 33.1 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.615 min Scan# 1994  
Delta R.T. 0.000 min  
Lab File: VN073918.D  
Acq: 16 Aug 2022 01:18

Tgt Ion:152 Resp: 492664  
Ion Ratio Lower Upper  
152 100  
115 53.2 28.9 86.7  
150 156.0 0.0 356.2

