

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102921\  
 Data File : VN069305.D  
 Acq On : 29 Oct 2021 16:56  
 Operator : JC/MD  
 Sample : PB140327ZHE#01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB140327ZHE#01

Quant Time: Oct 30 05:43:56 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102821W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 28 16:09:15 2021  
 Response via : Initial Calibration

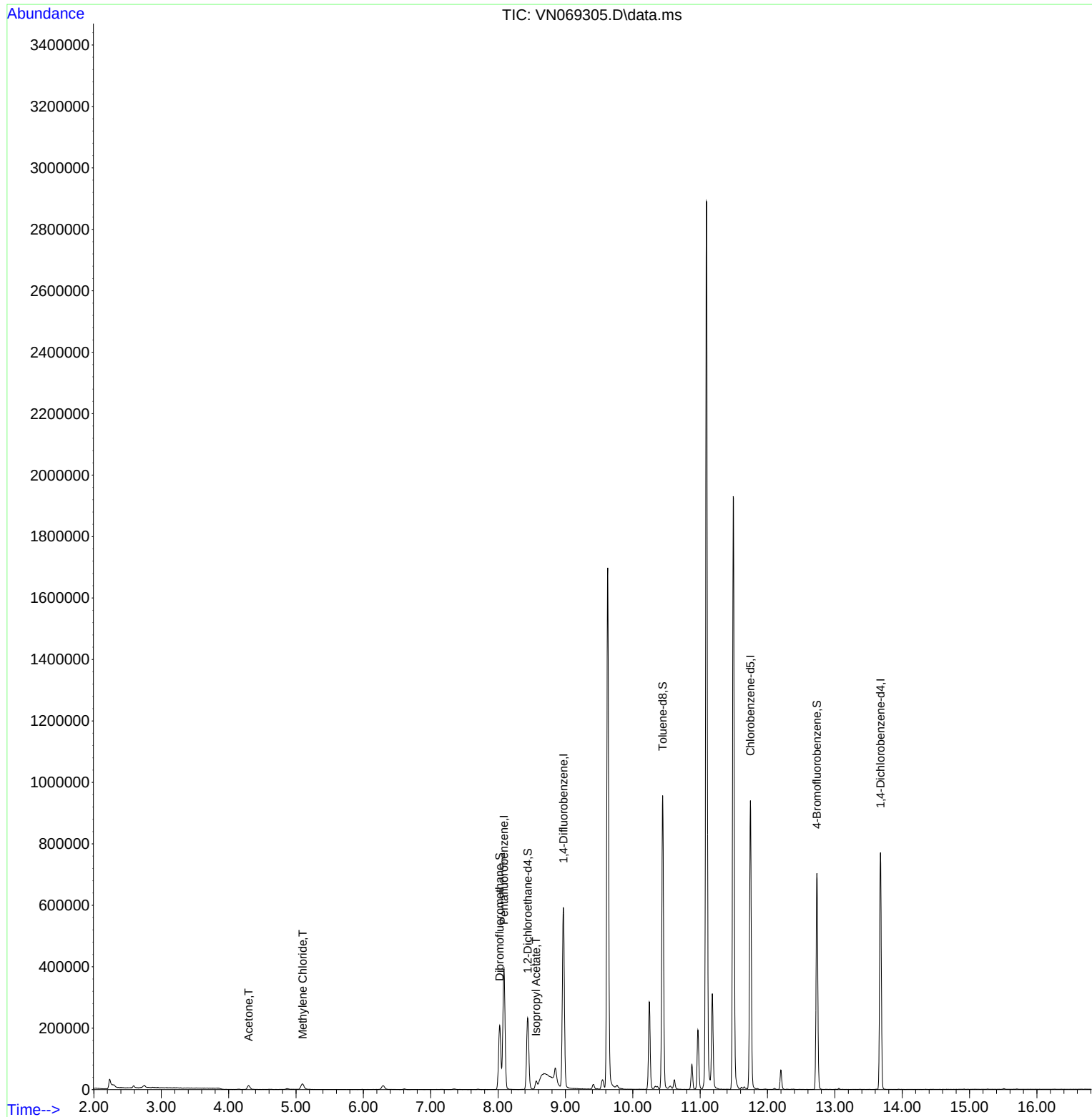
| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.088          | 168  | 290992     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.971          | 114  | 525390     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.746         | 117  | 544760     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.678         | 152  | 208806     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.440          | 65   | 201824     | 48.047   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 96.100%  |        |          |
| 35) Dibromofluoromethane    | 8.024          | 113  | 151750     | 46.334   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 92.660%  |        |          |
| 50) Toluene-d8              | 10.443         | 98   | 668312     | 51.036   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 102.080% |        |          |
| 62) 4-Bromofluorobenzene    | 12.733         | 95   | 252239     | 51.046   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 102.100% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        |          |
| 16) Acetone                 | 4.296          | 43   | 24401      | 13.634   | ug/l   | 97       |
| 20) Methylene Chloride      | 5.098          | 84   | 14796      | 4.310    | ug/l   | 93       |
| 43) Isopropyl Acetate       | 8.566          | 43   | 32489      | 4.035    | ug/l # | 91       |
| -----                       |                |      |            |          |        |          |

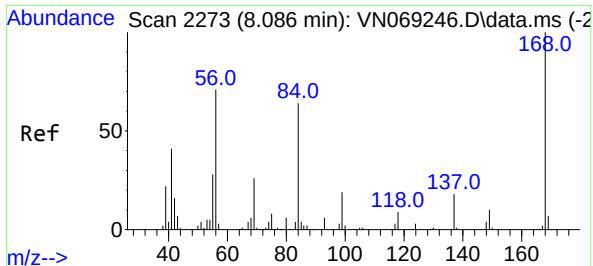
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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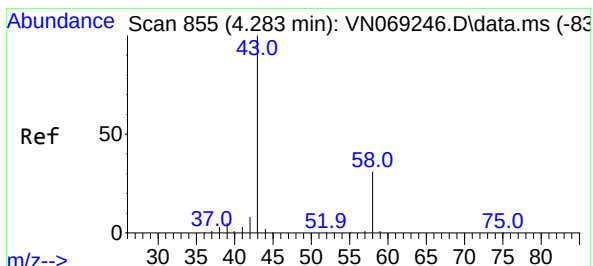
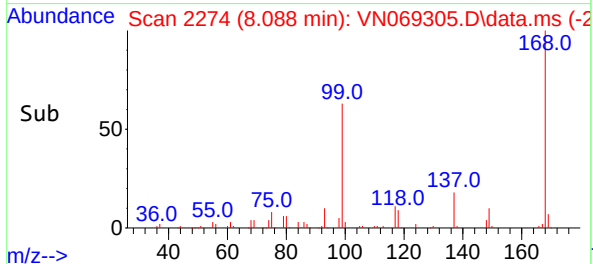
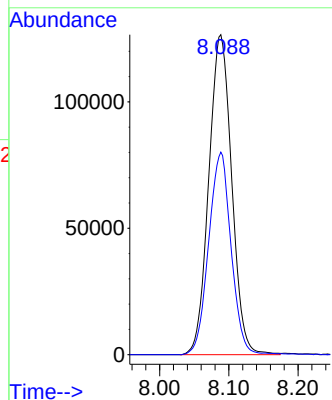
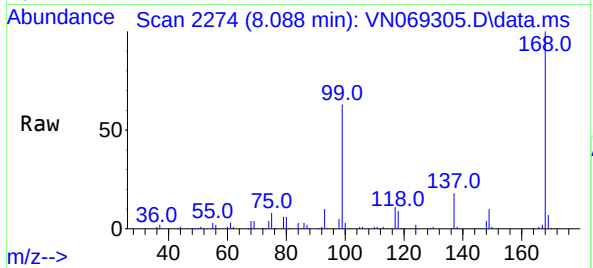




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: VN069305.D  
Acq: 29 Oct 2021 16:56

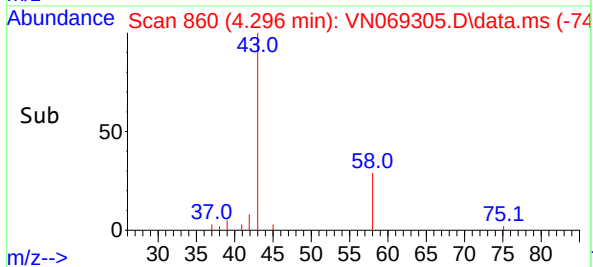
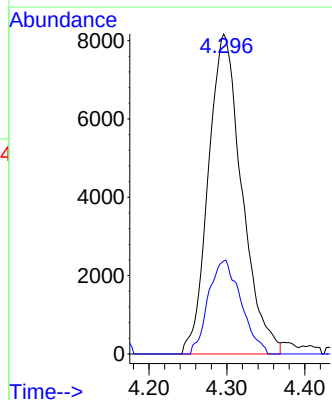
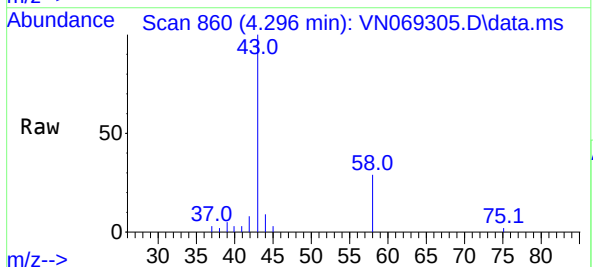
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB140327ZHE#01

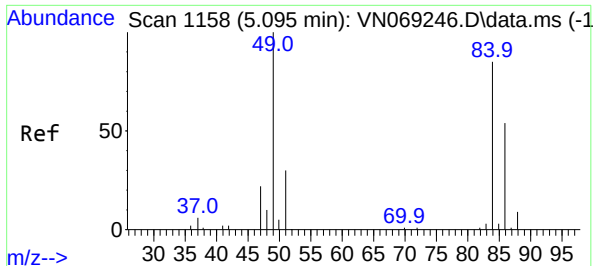
Tgt Ion:168 Resp: 290992  
Ion Ratio Lower Upper  
168 100  
99 63.3 48.9 73.3



#16  
Acetone  
Concen: 13.634 ug/l  
RT: 4.296 min Scan# 860  
Delta R.T. 0.013 min  
Lab File: VN069305.D  
Acq: 29 Oct 2021 16:56

Tgt Ion: 43 Resp: 24401  
Ion Ratio Lower Upper  
43 100  
58 29.1 24.5 36.7



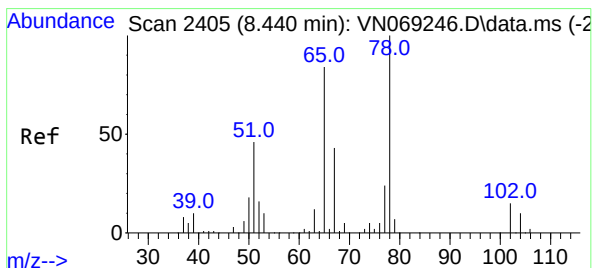
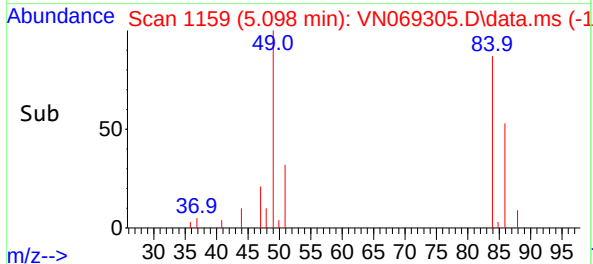
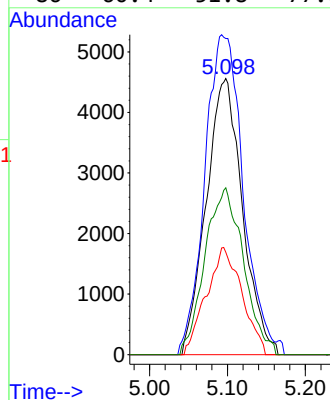
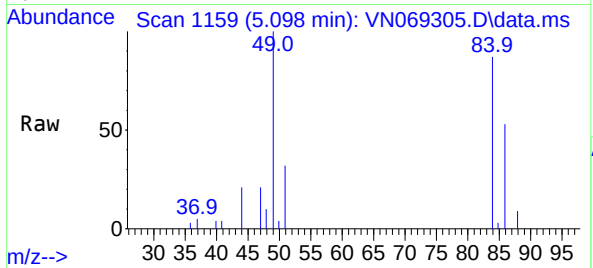


#20  
Methylene Chloride  
Concen: 4.310 ug/l  
RT: 5.098 min Scan# 1158  
Delta R.T. 0.003 min  
Lab File: VN069305.D  
Acq: 29 Oct 2021 16:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB140327ZHE#01

Tgt Ion: 84 Resp: 14796

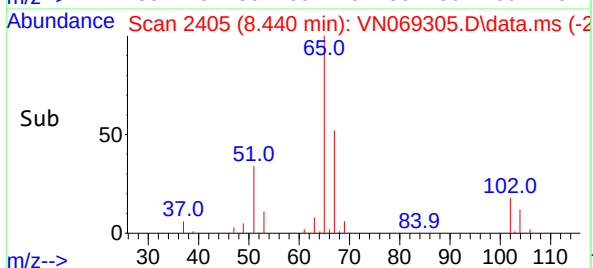
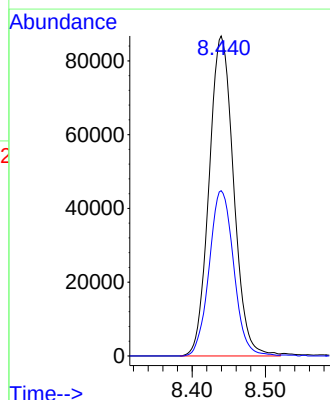
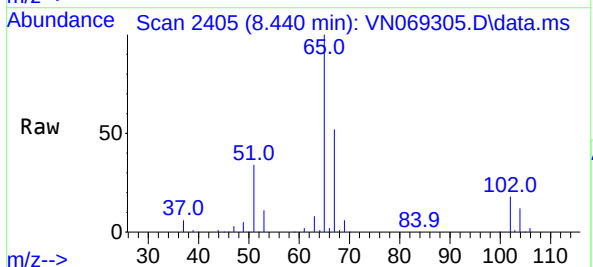
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 111.0 | 97.6  | 146.4 |
| 51  | 37.1  | 30.3  | 45.5  |
| 86  | 60.4  | 51.8  | 77.6  |

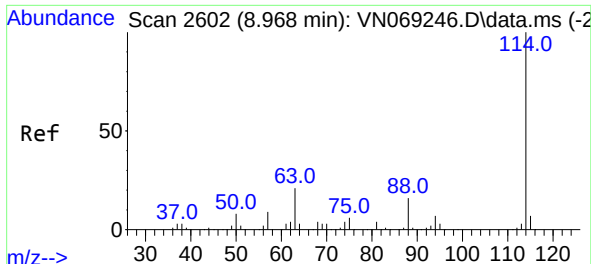


#33  
1,2-Dichloroethane-d4  
Concen: 48.047 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. -0.000 min  
Lab File: VN069305.D  
Acq: 29 Oct 2021 16:56

Tgt Ion: 65 Resp: 201824

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 51.6  | 0.0   | 103.8 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN069305.D

Acq: 29 Oct 2021 16:56

Instrument :

MSVOA\_N

ClientSampleId :

PB140327ZHE#01

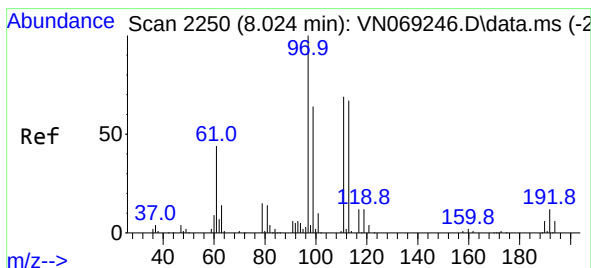
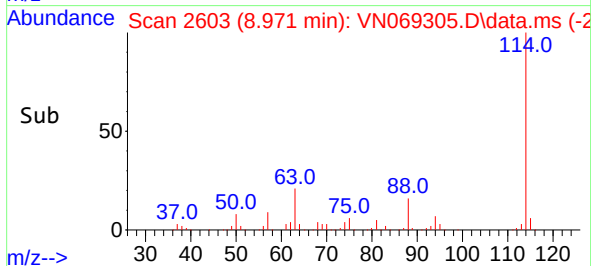
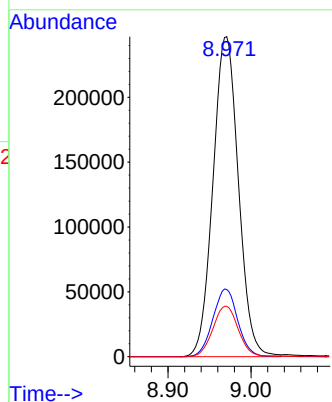
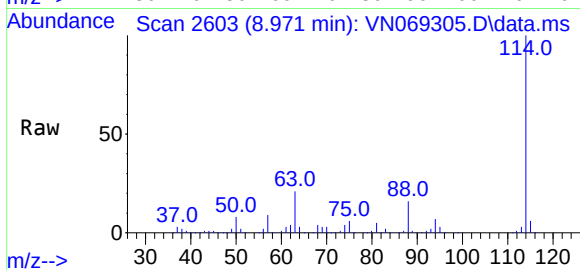
Tgt Ion:114 Resp: 525390

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

88 15.8 0.0 32.0



#35

Dibromofluoromethane

Concen: 46.334 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. -0.000 min

Lab File: VN069305.D

Acq: 29 Oct 2021 16:56

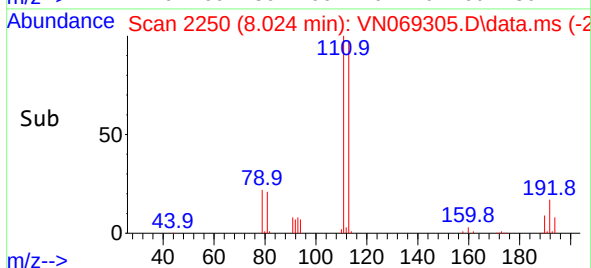
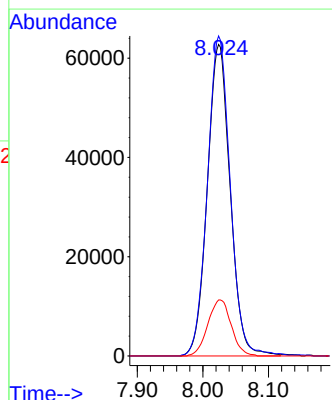
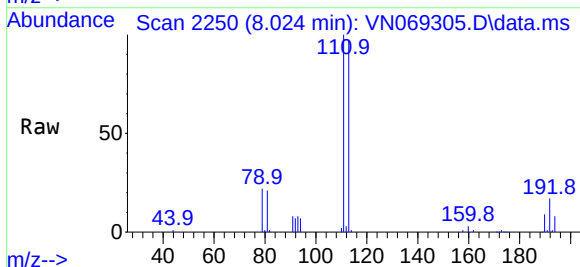
Tgt Ion:113 Resp: 151750

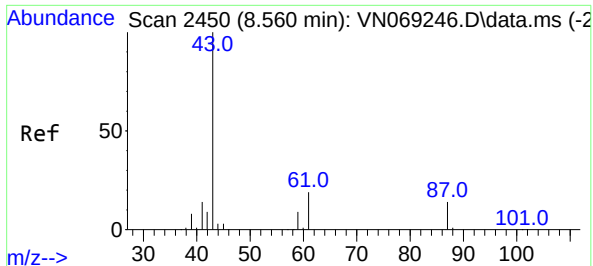
Ion Ratio Lower Upper

113 100

111 102.7 83.2 124.8

192 18.5 15.0 22.4

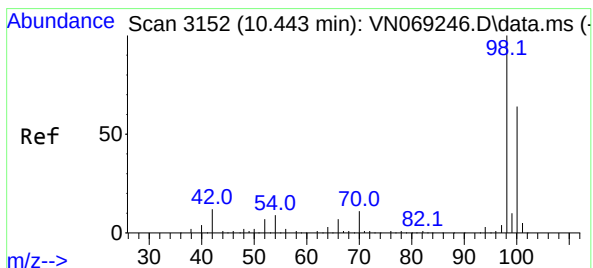
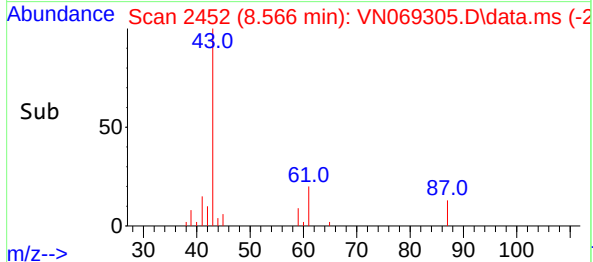
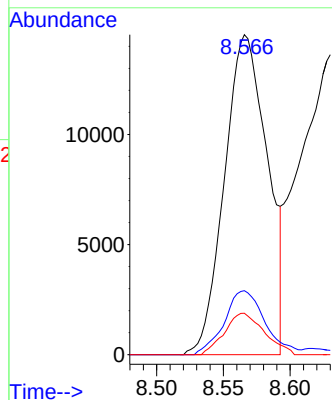
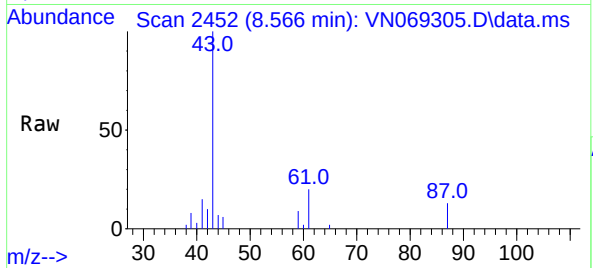




#43  
Isopropyl Acetate  
Concen: 4.035 ug/l  
RT: 8.566 min Scan# 2450  
Delta R.T. 0.006 min  
Lab File: VN069305.D  
Acq: 29 Oct 2021 16:56

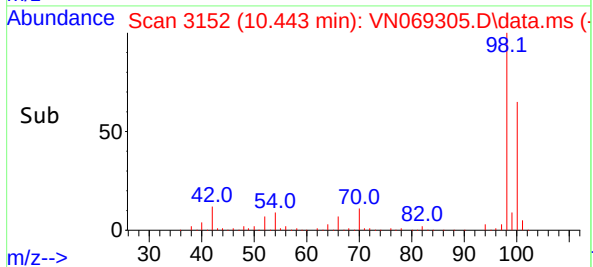
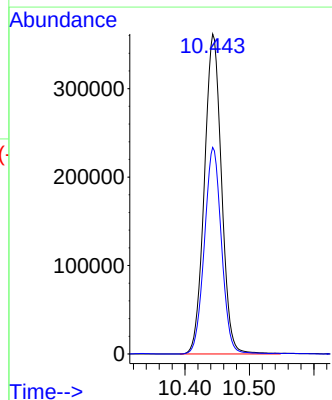
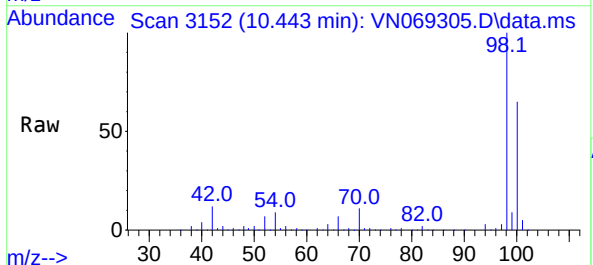
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB140327ZHE#01

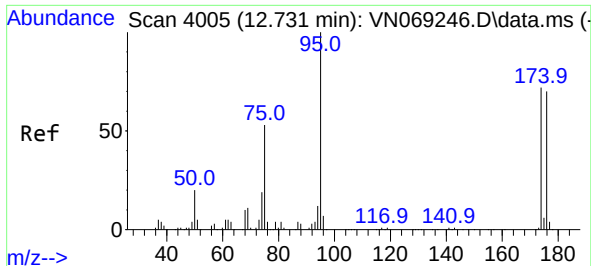
Tgt Ion: 43 Resp: 32489  
Ion Ratio Lower Upper  
43 100  
61 19.1 20.4 30.6#  
87 12.1 10.7 16.1



#50  
Toluene-d8  
Concen: 51.036 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN069305.D  
Acq: 29 Oct 2021 16:56

Tgt Ion: 98 Resp: 668312  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 51.046 ug/l

RT: 12.733 min Scan# 4005

Delta R.T. 0.002 min

Lab File: VN069305.D

Acq: 29 Oct 2021 16:56

Instrument :

MSVOA\_N

ClientSampleId :

PB140327ZHE#01

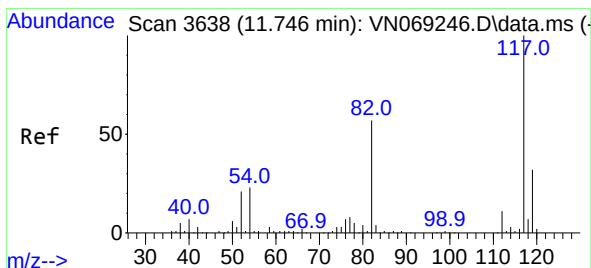
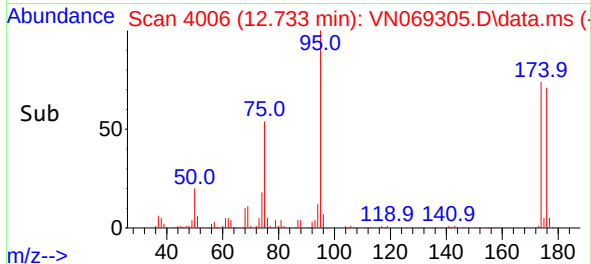
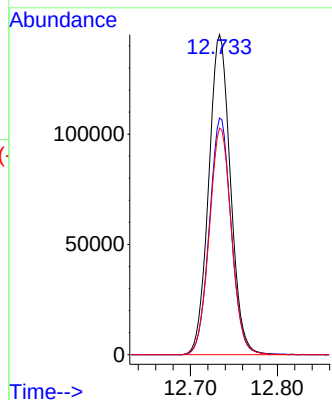
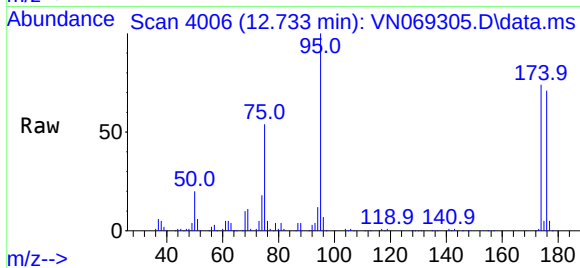
Tgt Ion: 95 Resp: 252239

Ion Ratio Lower Upper

95 100

174 74.4 0.0 144.8

176 72.0 0.0 140.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.746 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VN069305.D

Acq: 29 Oct 2021 16:56

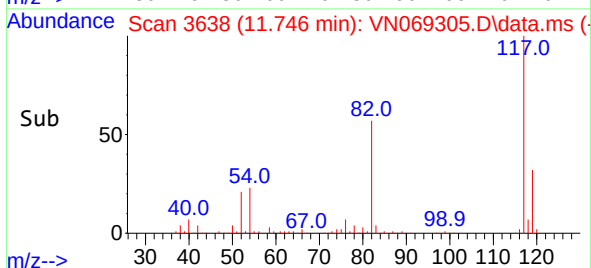
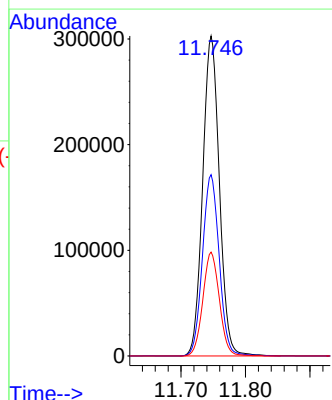
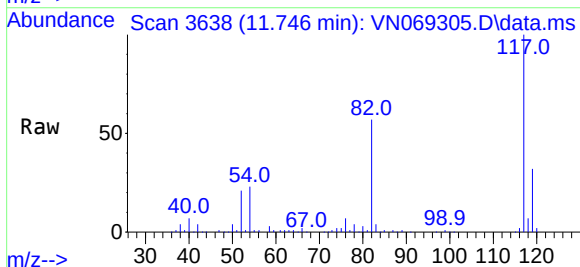
Tgt Ion: 117 Resp: 544760

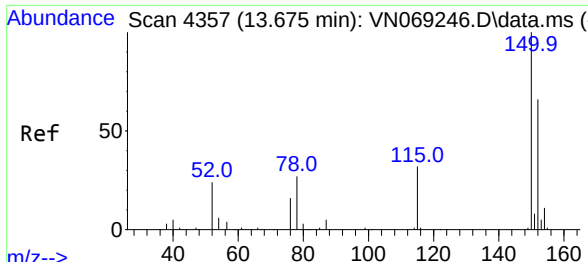
Ion Ratio Lower Upper

117 100

82 56.7 46.4 69.6

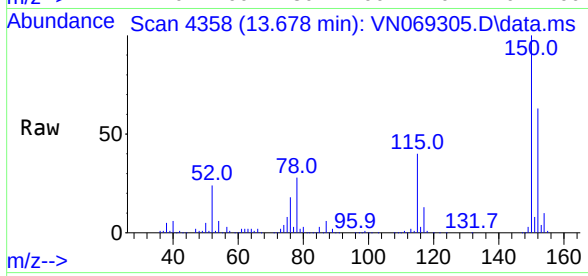
119 32.5 26.0 39.0





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VN069305.D  
Acq: 29 Oct 2021 16:56

Instrument :  
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Tgt Ion:152 Resp: 208806

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 63.7  | 31.4  | 94.3  |
| 150 | 157.7 | 0.0   | 351.0 |

