

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090921\  
 Data File : VN068442.D  
 Acq On : 9 Sep 2021 15:19  
 Operator : JC/MD  
 Sample : PB138981ZHE#11  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB138981ZHE#11

Quant Time: Sep 10 04:09:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090721W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 10 04:04:05 2021  
 Response via : Initial Calibration

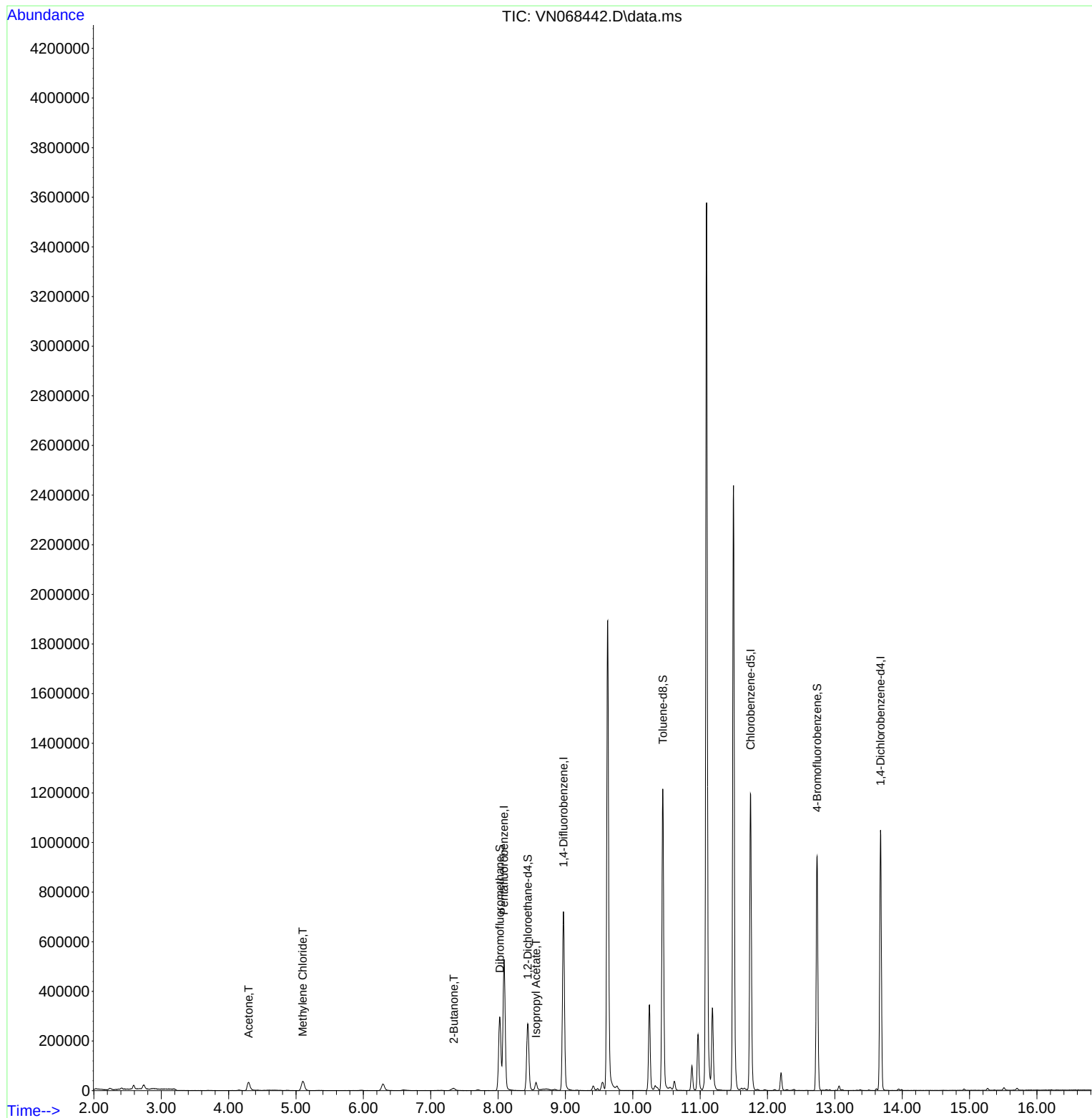
| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 8.088          | 168  | 439358              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.971          | 114  | 708265              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.749         | 117  | 777341              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.677         | 152  | 316201              | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.440          | 65   | 235885              | 58.529 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = 117.060% |        |        |          |
| 35) Dibromofluoromethane    | 8.027          | 113  | 223475              | 52.315 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = 104.620% |        |        |          |
| 50) Toluene-d8              | 10.446         | 98   | 904195              | 58.271 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = 116.540% |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.736         | 95   | 317744              | 63.994 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = 127.980% |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        | Qvalue |          |
| 16) Acetone                 | 4.296          | 43   | 65313               | 48.972 | ug/l   | 97       |
| 20) Methylene Chloride      | 5.100          | 84   | 33551               | 7.756  | ug/l   | 94       |
| 25) 2-Butanone              | 7.343          | 43   | 13137               | 6.708  | ug/l   | 95       |
| 43) Isopropyl Acetate       | 8.563          | 43   | 35182               | 4.440  | ug/l # | 89       |
| -----                       |                |      |                     |        |        |          |

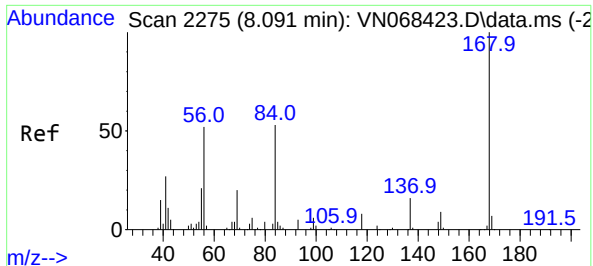
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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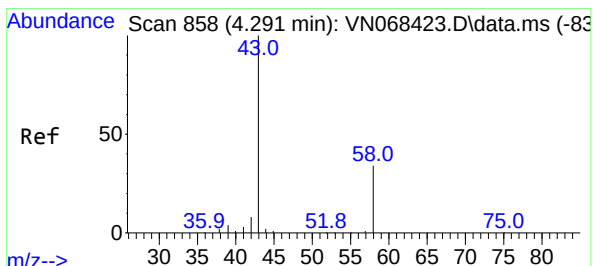
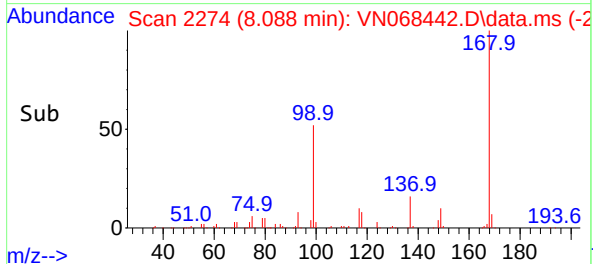
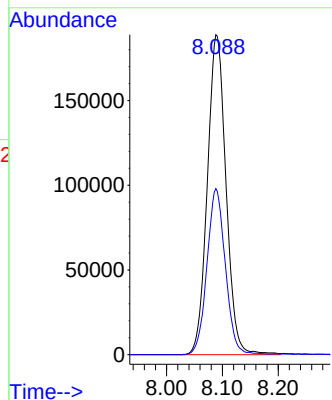
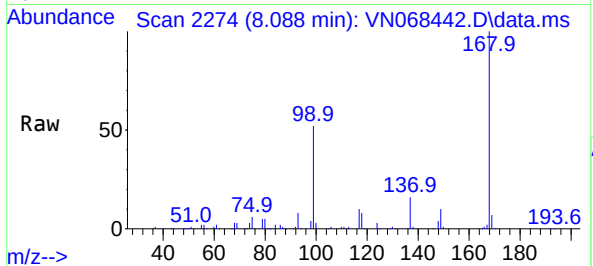




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.003 min  
Lab File: VN068442.D  
Acq: 9 Sep 2021 15:19

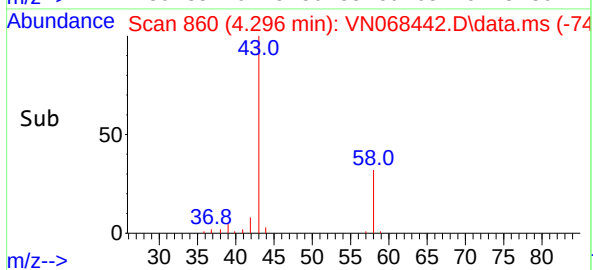
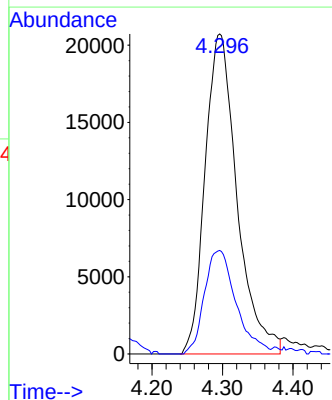
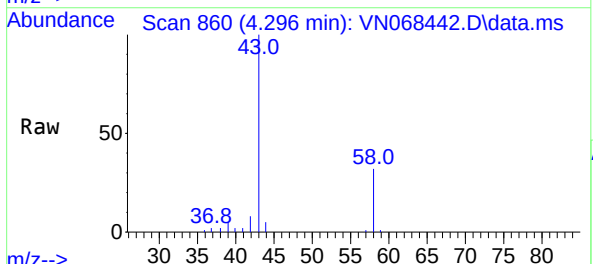
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB138981ZHE#11

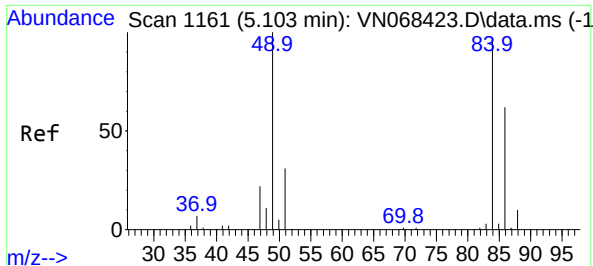
Tgt Ion:168 Resp: 439358  
Ion Ratio Lower Upper  
168 100  
99 51.9 38.2 57.4



#16  
Acetone  
Concen: 48.972 ug/l  
RT: 4.296 min Scan# 860  
Delta R.T. 0.005 min  
Lab File: VN068442.D  
Acq: 9 Sep 2021 15:19

Tgt Ion: 43 Resp: 65313  
Ion Ratio Lower Upper  
43 100  
58 32.3 27.0 40.6



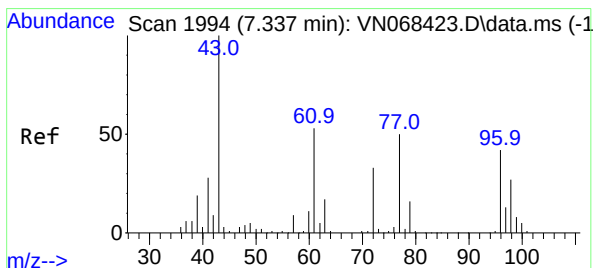
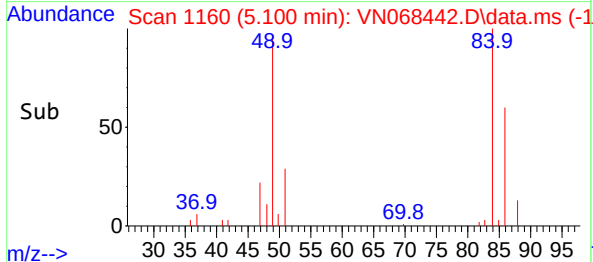
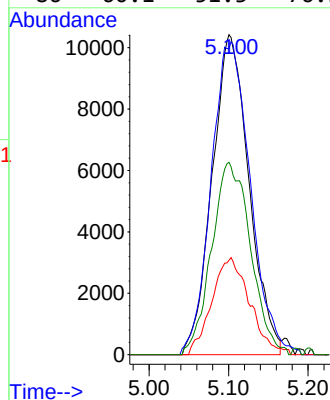
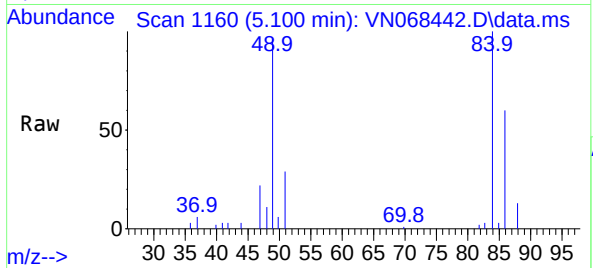


#20  
Methylene Chloride  
Concen: 7.756 ug/l  
RT: 5.100 min Scan# 1160  
Delta R.T. -0.003 min  
Lab File: VN068442.D  
Acq: 9 Sep 2021 15:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB138981ZHE#11

Tgt Ion: 84 Resp: 33551

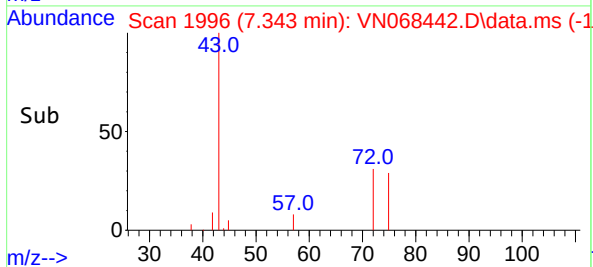
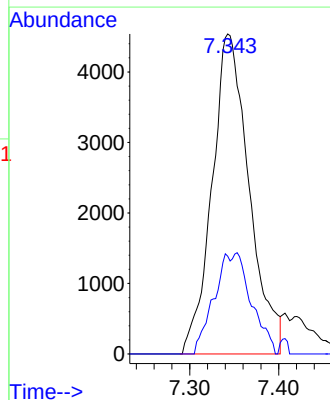
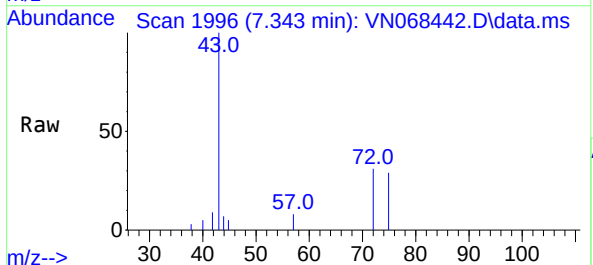
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 95.6  | 83.0  | 124.6 |
| 51  | 29.5  | 25.4  | 38.0  |
| 86  | 60.1  | 51.3  | 76.9  |

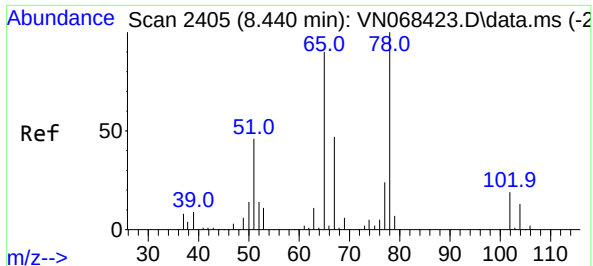


#25  
2-Butanone  
Concen: 6.708 ug/l  
RT: 7.343 min Scan# 1996  
Delta R.T. 0.005 min  
Lab File: VN068442.D  
Acq: 9 Sep 2021 15:19

Tgt Ion: 43 Resp: 13137

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 30.5  | 26.7  | 40.1  |



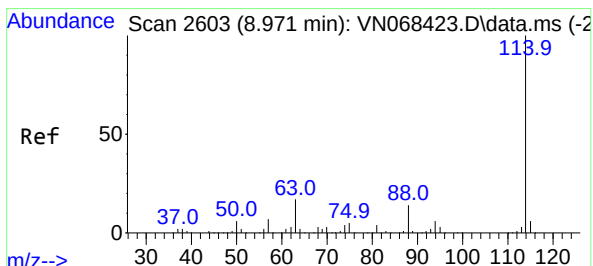
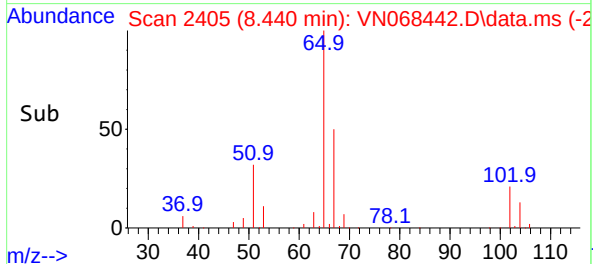
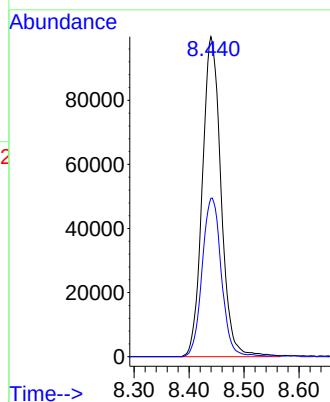
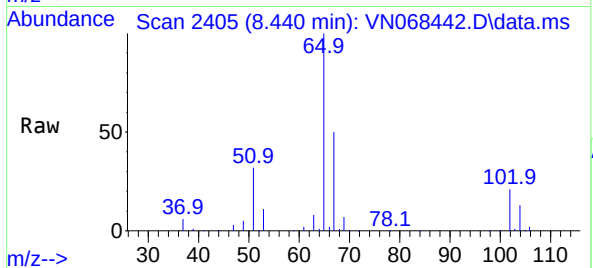


#33

1,2-Dichloroethane-d4  
Concen: 58.529 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. -0.000 min  
Lab File: VN068442.D  
Acq: 9 Sep 2021 15:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB138981ZHE#11

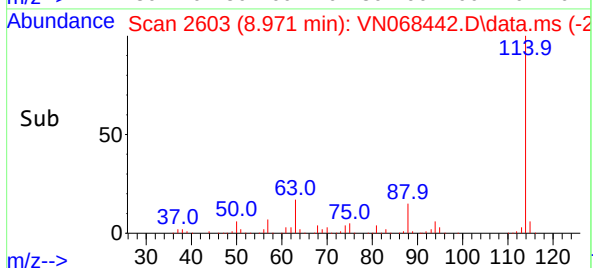
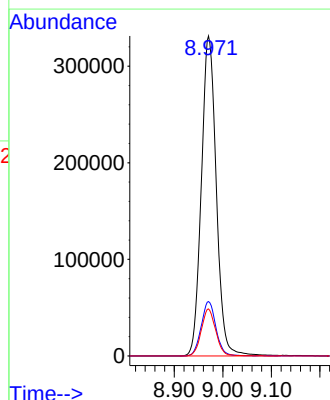
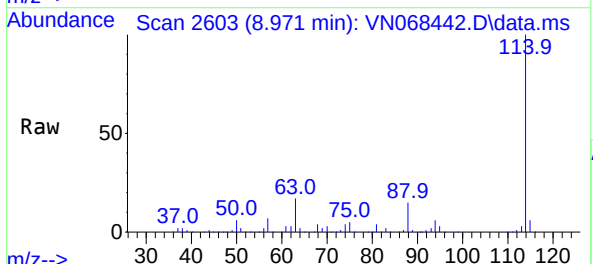
Tgt Ion: 65 Resp: 235885  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 104.0

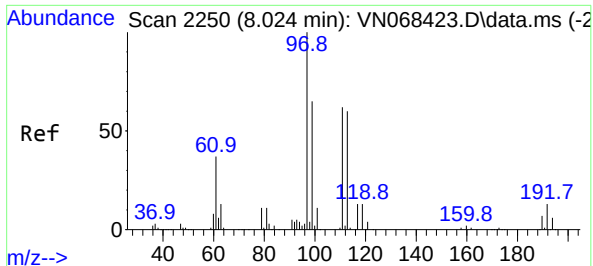


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. -0.000 min  
Lab File: VN068442.D  
Acq: 9 Sep 2021 15:19

Tgt Ion: 114 Resp: 708265  
Ion Ratio Lower Upper  
114 100  
63 17.0 0.0 33.2  
88 14.7 0.0 28.4

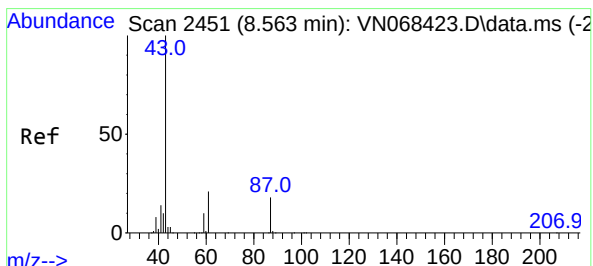
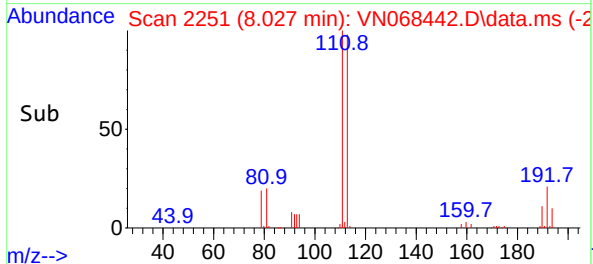
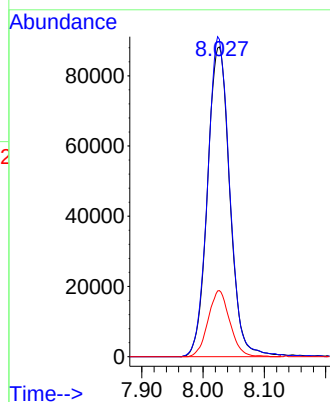
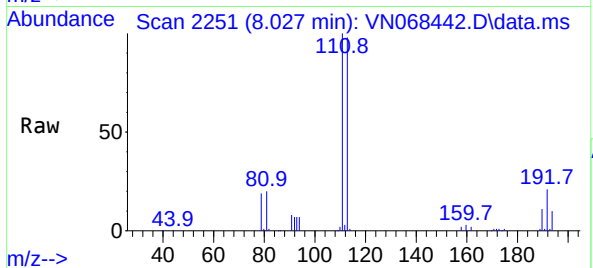




#35  
Dibromofluoromethane  
Concen: 52.315 ug/l  
RT: 8.027 min Scan# 2251  
Delta R.T. 0.003 min  
Lab File: VN068442.D  
Acq: 9 Sep 2021 15:19

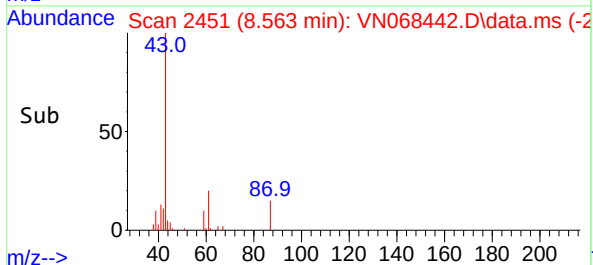
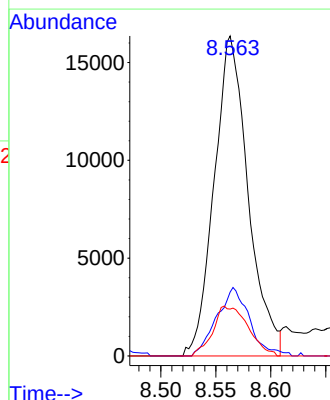
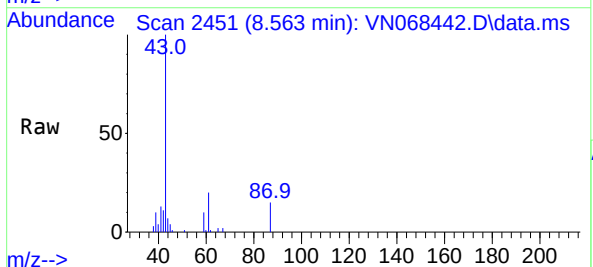
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB138981ZHE#11

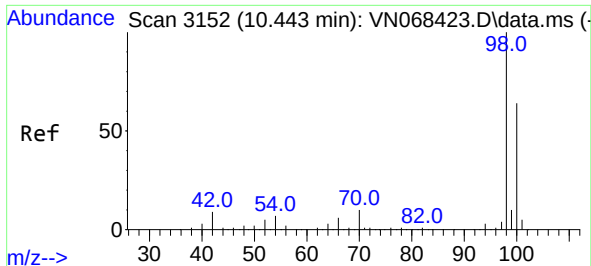
Tgt Ion:113 Resp: 223475  
Ion Ratio Lower Upper  
113 100  
111 102.2 81.1 121.7  
192 20.6 17.7 26.5



#43  
Isopropyl Acetate  
Concen: 4.440 ug/l  
RT: 8.563 min Scan# 2451  
Delta R.T. -0.000 min  
Lab File: VN068442.D  
Acq: 9 Sep 2021 15:19

Tgt Ion: 43 Resp: 35182  
Ion Ratio Lower Upper  
43 100  
61 20.7 23.3 34.9#  
87 16.1 13.8 20.6

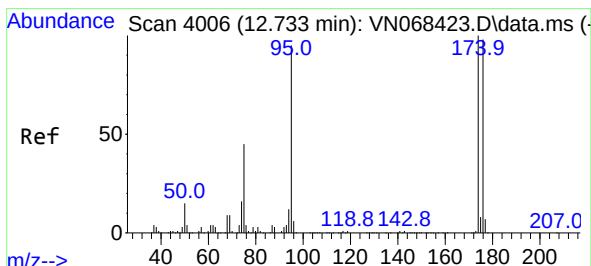
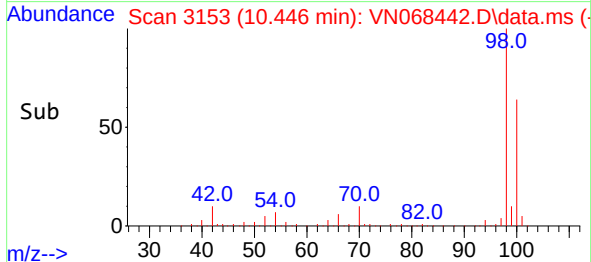
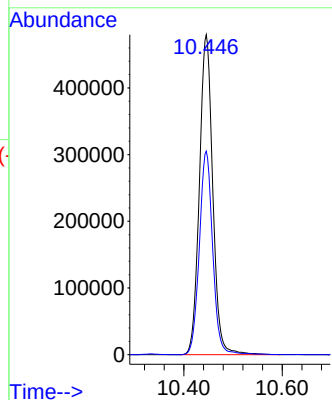
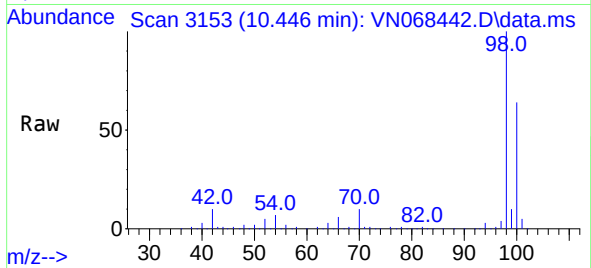




#50  
Toluene-d8  
Concen: 58.271 ug/l  
RT: 10.446 min Scan# 3153  
Delta R.T. 0.003 min  
Lab File: VN068442.D  
Acq: 9 Sep 2021 15:19

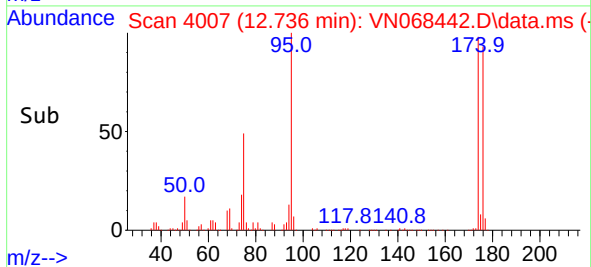
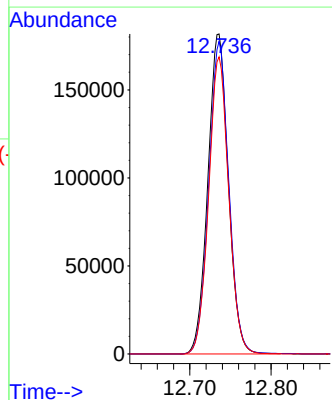
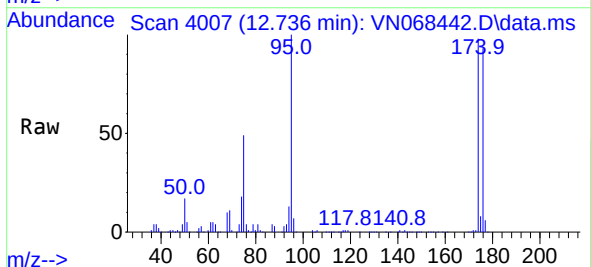
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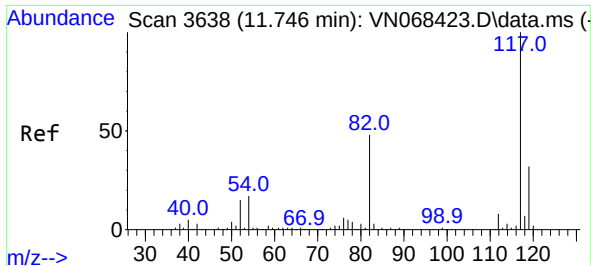
Tgt Ion: 98 Resp: 904195  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.0 76.6



#62  
4-Bromofluorobenzene  
Concen: 63.994 ug/l  
RT: 12.736 min Scan# 4007  
Delta R.T. 0.003 min  
Lab File: VN068442.D  
Acq: 9 Sep 2021 15:19

Tgt Ion: 95 Resp: 317744  
Ion Ratio Lower Upper  
95 100  
174 95.9 0.0 214.0  
176 91.1 0.0 205.4

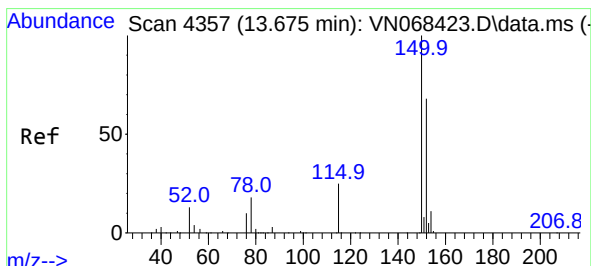
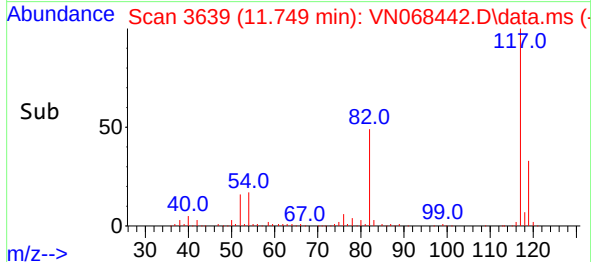
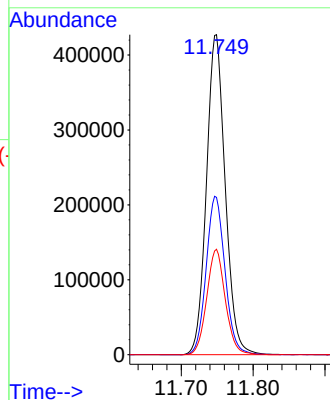
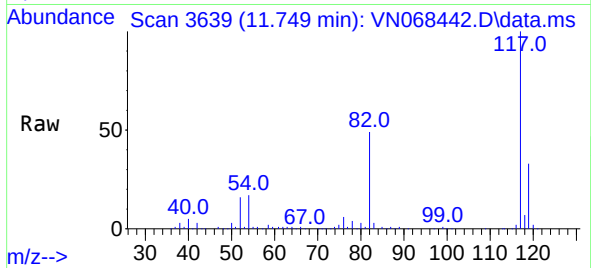




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.749 min Scan# 3639  
Delta R.T. 0.003 min  
Lab File: VN068442.D  
Acq: 9 Sep 2021 15:19

Instrument :  
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ClientSampleId :  
PB138981ZHE#11

Tgt Ion:117 Resp: 777341  
Ion Ratio Lower Upper  
117 100  
82 49.2 38.7 58.1  
119 32.9 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.677 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN068442.D  
Acq: 9 Sep 2021 15:19

Tgt Ion:152 Resp: 316201  
Ion Ratio Lower Upper  
152 100  
115 53.6 25.6 76.6  
150 156.1 0.0 346.8

