

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122320\  
 Data File : VN065230.D  
 Acq On : 23 Dec 2020 13:10  
 Operator : JC/MD  
 Sample : PB133767ZHE#13  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB133767ZHE#13

Quant Time: Dec 24 04:19:38 2020  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122220w.M  
 Quant Title : Sw846 8260  
 QLast Update : Tue Dec 22 15:42:18 2020  
 Response via : Initial Calibration

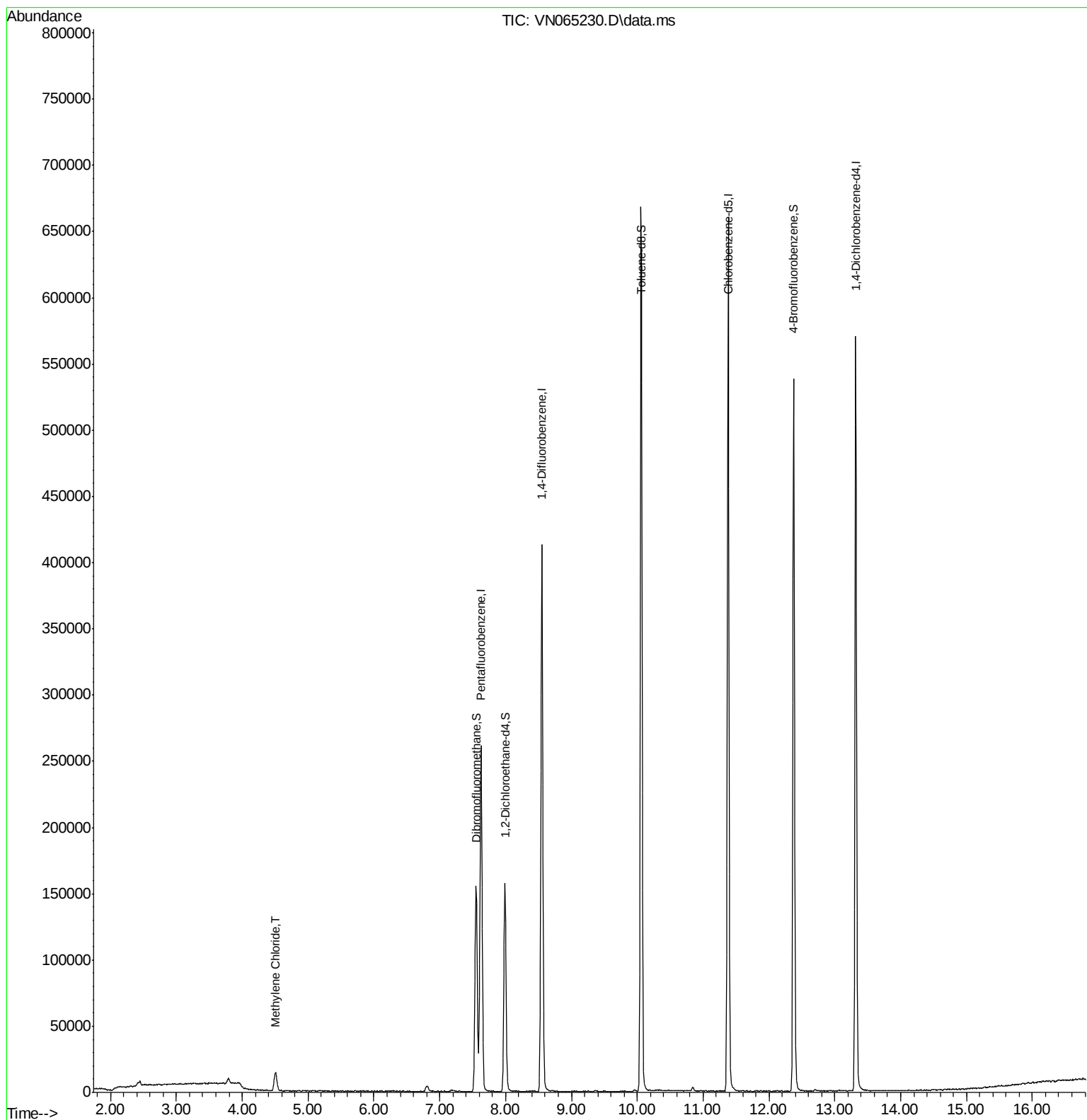
| Compound                    | R.T.   | QIon           | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|--------|----------------|----------|-------|---------|-----------|
| -----                       |        |                |          |       |         |           |
| Internal Standards          |        |                |          |       |         |           |
| 1) Pentafluorobenzene       | 7.627  | 168            | 231542   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.550  | 114            | 381746   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.379 | 117            | 399548   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.318 | 152            | 168023   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |        |                |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 7.991  | 65             | 139269   | 53.28 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 | Range 61 - 141 | Recovery | =     | 106.56% |           |
| 35) Dibromofluoromethane    | 7.550  | 113            | 119866   | 52.05 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 | Range 69 - 133 | Recovery | =     | 104.10% |           |
| 50) Toluene-d8              | 10.058 | 98             | 472610   | 54.75 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 | Range 65 - 126 | Recovery | =     | 109.50% |           |
| 62) 4-Bromofluorobenzene    | 12.376 | 95             | 187031   | 54.30 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 | Range 58 - 135 | Recovery | =     | 108.60% |           |
| Target Compounds            |        |                |          |       |         |           |
| 20) Methylene Chloride      | 4.508  | 84             | 10955    | 4.30  | ug/l    | Qvalue 98 |
| -----                       |        |                |          |       |         |           |

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

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ALS Vial : 10 Sample Multiplier: 1

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122220w.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 22 15:42:18 2020  
Response via : Initial Calibration

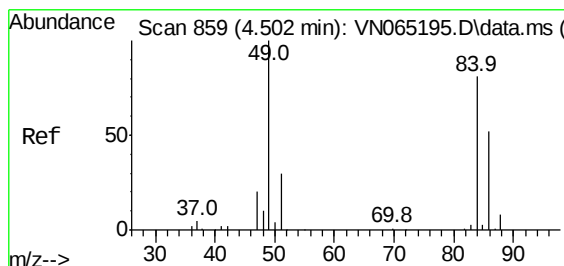
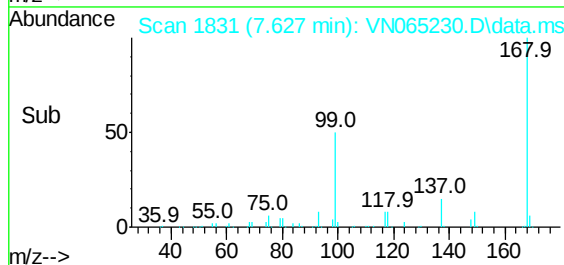
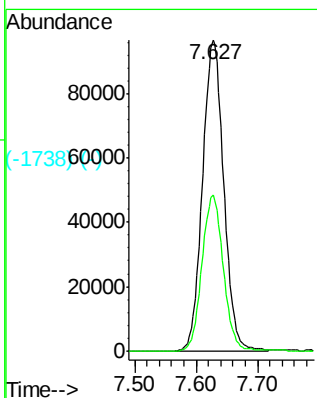
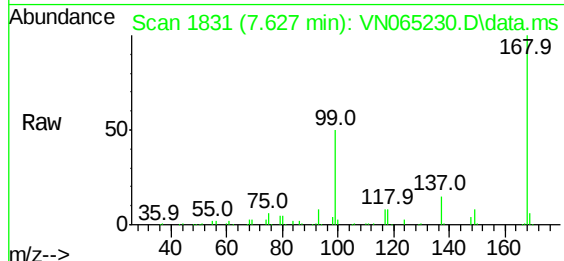




(-112) (-)  
 Pentafuorobenzene  
 Concen: 50.00 ug/l  
 RT: 7.627 min Scan# 1831  
 Delta R.T. 0.000 min  
 Lab File: VN065230.D  
 Acq: 23 Dec 2020 13:10

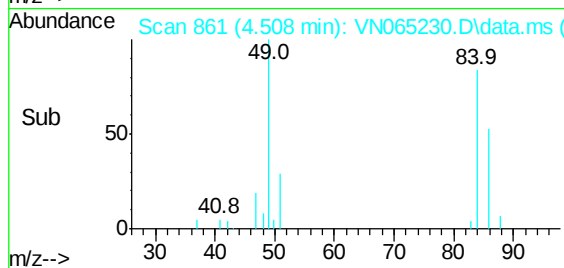
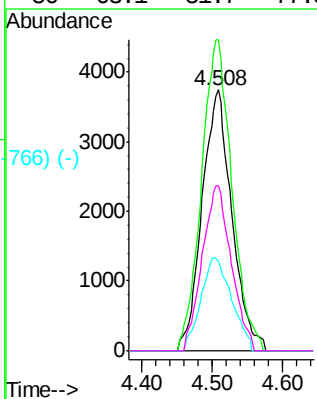
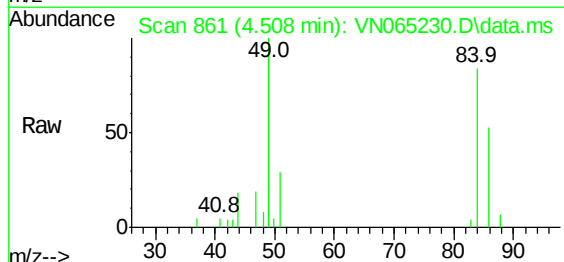
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB133767ZHE#13

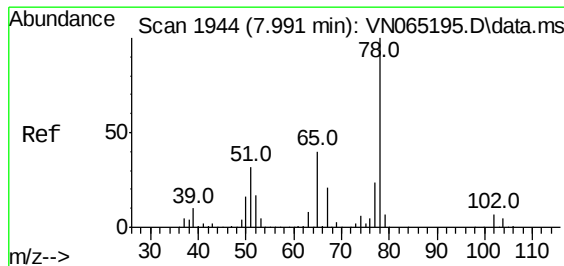
Tgt Ion:168 Resp: 231542  
 Ion Ratio Lower Upper  
 168 100  
 99 50.1 43.0 64.4



(-8829) (-)  
 Methylene Chloride  
 Concen: 4.30 ug/l  
 RT: 4.508 min Scan# 861  
 Delta R.T. 0.006 min  
 Lab File: VN065230.D  
 Acq: 23 Dec 2020 13:10

Tgt Ion: 84 Resp: 10955  
 Ion Ratio Lower Upper  
 84 100  
 49 119.2 93.4 140.0  
 51 34.2 28.2 42.4  
 86 63.1 51.7 77.5

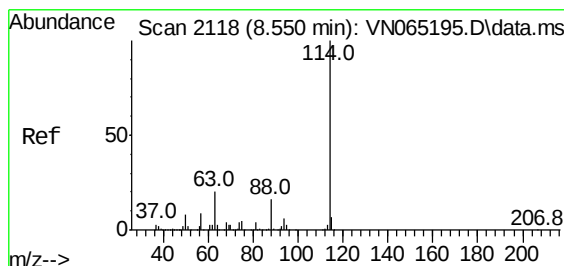
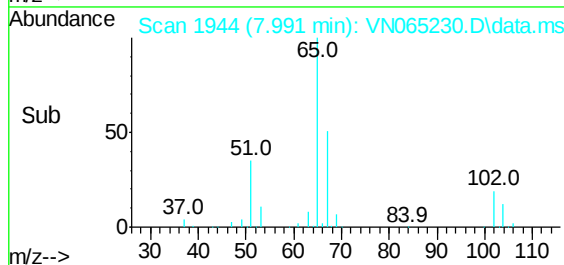
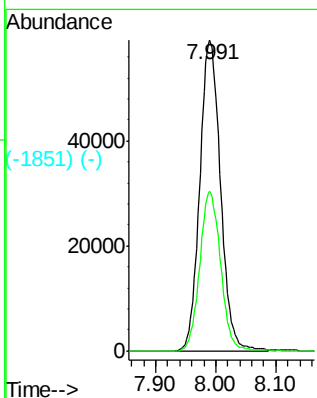
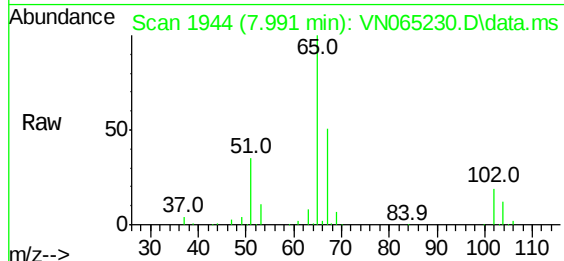




#326 (-)  
1,2-Dichloroethane-d4  
Concen: 53.28 ug/l  
RT: 7.991 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: VN065230.D  
Acq: 23 Dec 2020 13:10

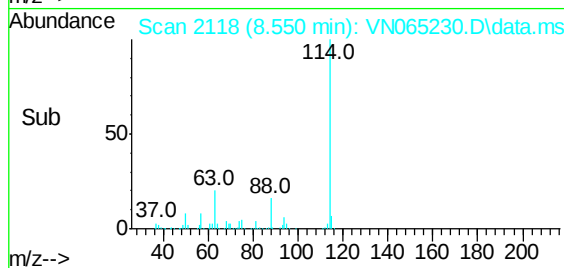
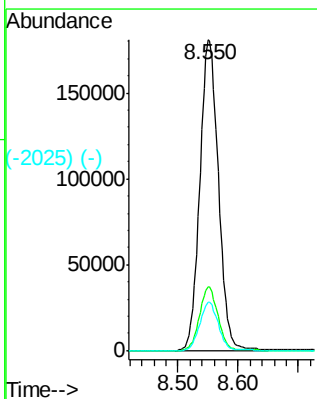
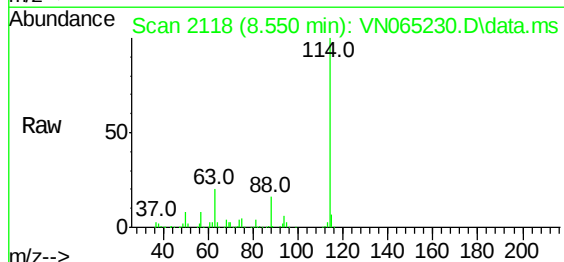
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB133767ZHE#13

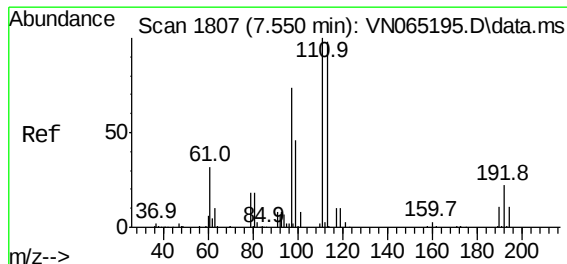
Tgt Ion: 65 Resp: 139269  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 108.2



#327 (-)  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: VN065230.D  
Acq: 23 Dec 2020 13:10

Tgt Ion:114 Resp: 381746  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 38.6  
88 15.5 0.0 32.6

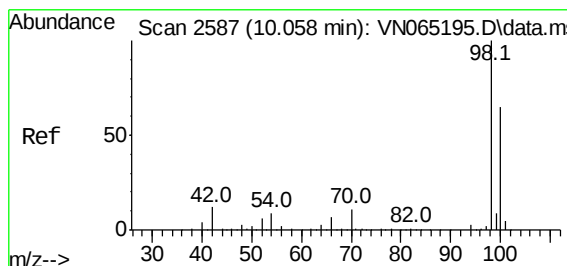
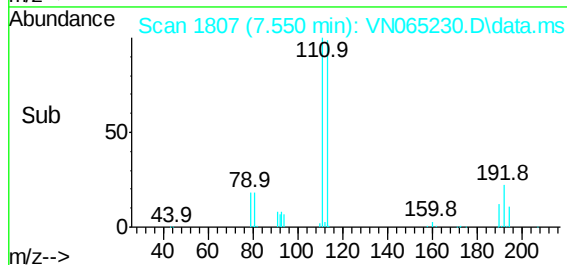
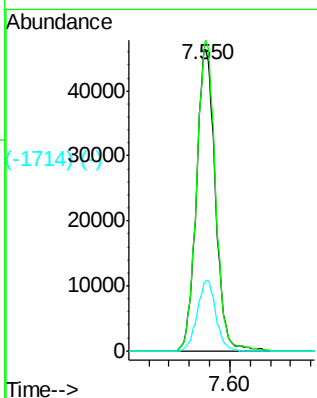
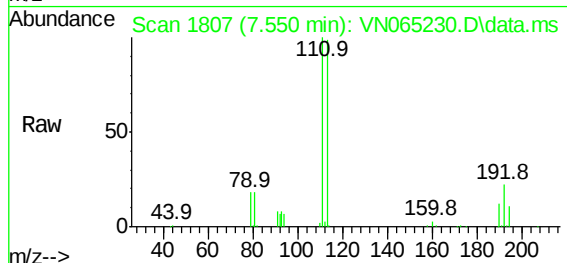




#358 (-)  
Dibromofluoromethane  
Concen: 52.05 ug/l  
RT: 7.550 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VN065230.D  
Acq: 23 Dec 2020 13:10

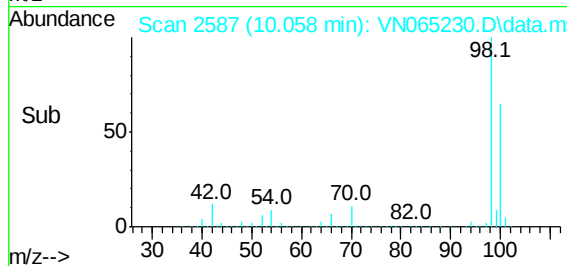
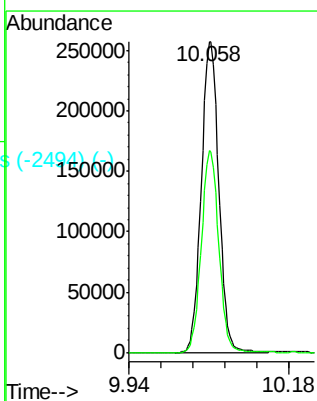
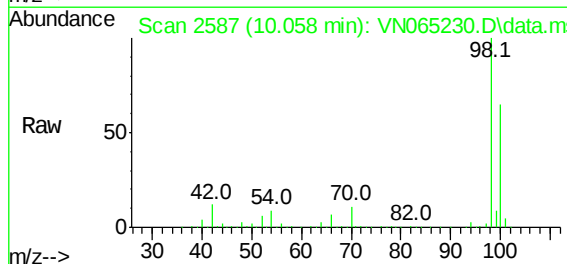
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB133767ZHE#13

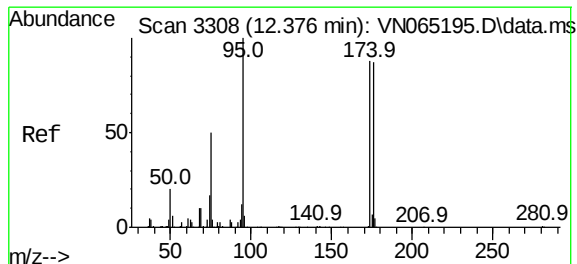
Tgt Ion:113 Resp: 119866  
Ion Ratio Lower Upper  
113 100  
111 102.4 81.6 122.4  
192 22.9 16.2 24.2



#5971 (-)  
Toluene-d8  
Concen: 54.75 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065230.D  
Acq: 23 Dec 2020 13:10

Tgt Ion: 98 Resp: 472610  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.7 77.5

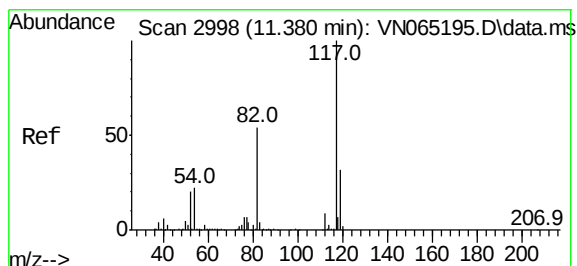
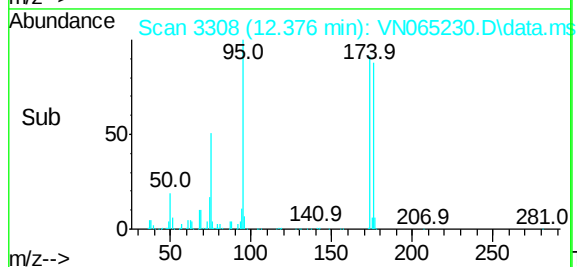
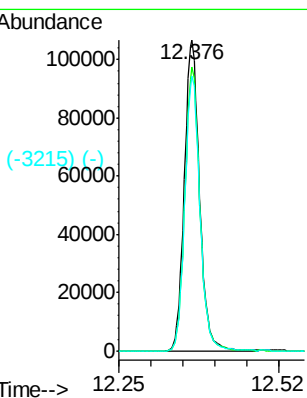
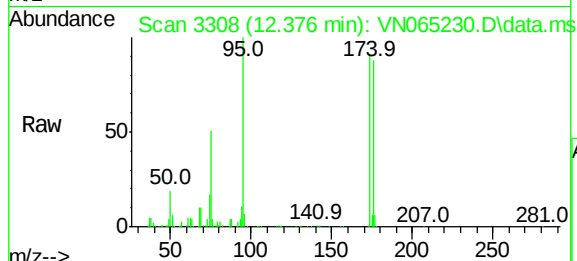




#6294 (-)  
4-Bromofluorobenzene  
Concen: 54.30 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.000 min  
Lab File: VN065230.D  
Acq: 23 Dec 2020 13:10

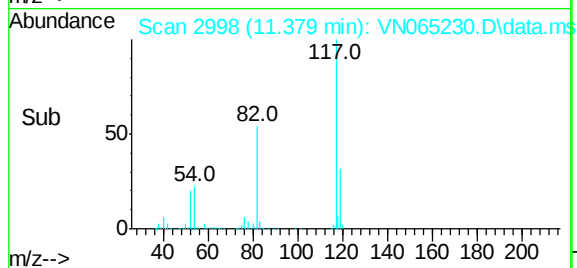
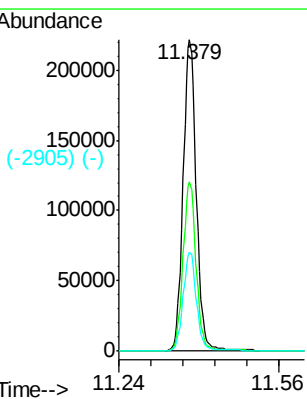
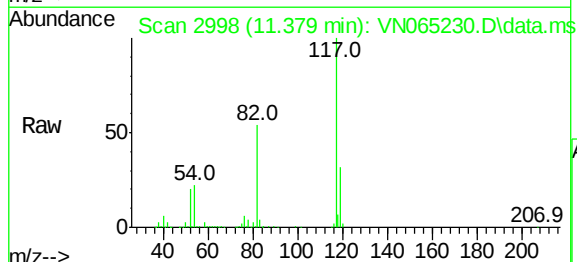
Instrument :  
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PB133767ZHE#13

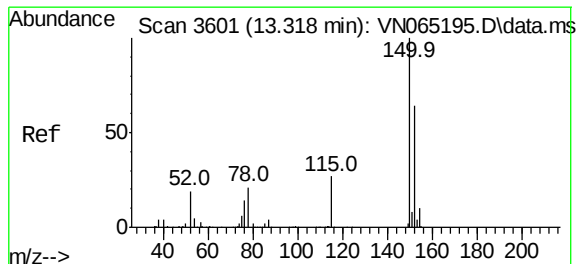
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 187031 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 90.0  | 0.0   | 160.4  |
| 176       | 88.0  | 0.0   | 158.4  |



#6293 (-)  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.379 min Scan# 2998  
Delta R.T. -0.001 min  
Lab File: VN065230.D  
Acq: 23 Dec 2020 13:10

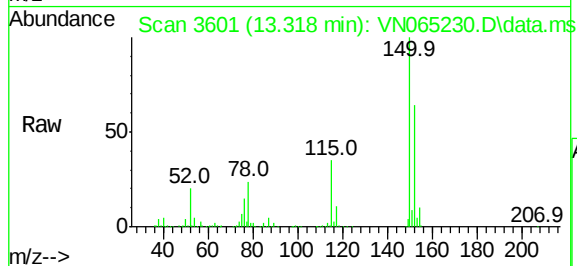
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 399548 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 54.4  | 44.2  | 66.2   |
| 119       | 31.8  | 25.8  | 38.6   |





#3601 (-)  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.318 min Scan# 3601  
 Delta R.T. 0.000 min  
 Lab File: VN065230.D  
 Acq: 23 Dec 2020 13:10

**Instrument :**  
 MSVOA\_N  
**ClientSampleId :**  
 PB133767ZHE#13



Tgt Ion:152 Resp: 168023

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 55.1  | 29.7  | 89.1  |
| 150 | 156.9 | 0.0   | 350.6 |

