

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121420\  
 Data File : VN065125.D  
 Acq On : 15 Dec 2020 1:46  
 Operator : JC/MD  
 Sample : L5085-06  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 15 06:44:15 2020  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121420W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 15 05:41:47 2020  
 Response via : Initial Calibration

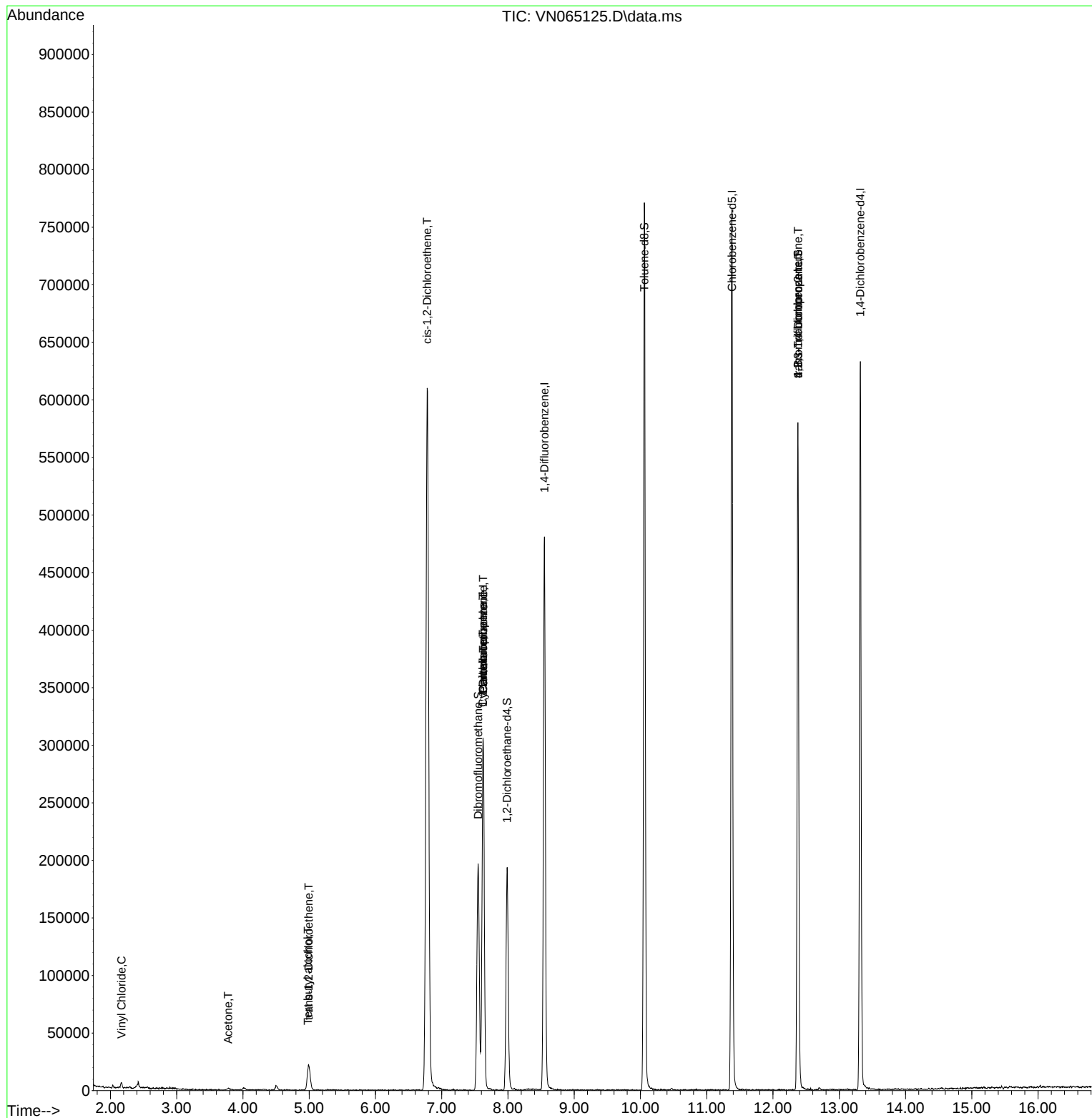
| Compound                      | R.T.           | QIon | Response           | Conc      | Units | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|-------|----------|
| -----                         |                |      |                    |           |       |          |
| Internal Standards            |                |      |                    |           |       |          |
| 1) Pentafluorobenzene         | 7.624          | 168  | 266242             | 50.00     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.550          | 114  | 429737             | 50.00     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.380         | 117  | 450675             | 50.00     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.318         | 152  | 183883             | 50.00     | ug/l  | 0.00     |
|                               |                |      |                    |           |       |          |
| System Monitoring Compounds   |                |      |                    |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 7.987          | 65   | 163043             | 53.27     | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 106.54% |           |       |          |
| 35) Dibromofluoromethane      | 7.550          | 113  | 150459             | 50.37     | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 100.74% |           |       |          |
| 50) Toluene-d8                | 10.058         | 98   | 533878             | 50.54     | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 101.08% |           |       |          |
| 62) 4-Bromofluorobenzene      | 12.376         | 95   | 191186             | 52.56     | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 105.12% |           |       |          |
|                               |                |      |                    |           |       |          |
| Target Compounds              |                |      |                    |           |       |          |
| 3) Chloromethane              | 2.036          | 50   | 2241               | Below Cal | #     | 82       |
| 4) Vinyl Chloride             | 2.168          | 62   | 4285               | 1.73      | ug/l  | 95       |
| 5) Bromomethane               | 2.534          | 94   | 121                | Below Cal | #     | 3        |
| 11) Tert butyl alcohol        | 4.981          | 59   | 176                | 0.54      | ug/l  | # 73     |
| 16) Acetone                   | 3.775          | 43   | 927                | 0.81      | ug/l  | # 63     |
| 21) trans-1,2-Dichloroethene  | 4.991          | 96   | 14364              | 5.53      | ug/l  | 91       |
| 27) cis-1,2-Dichloroethene    | 6.782          | 96   | 421609             | 145.33    | ug/l  | 89       |
| 31) Cyclohexane               | 7.621          | 56   | 4900               | 1.18      | ug/l  | # 1      |
| 36) 1,1-Dichloropropene       | 7.621          | 75   | 18817              | 4.59      | ug/l  | # 49     |
| 38) Carbon Tetrachloride      | 7.624          | 117  | 23462              | 4.96      | ug/l  | # 16     |
| 76) 1,2,3-Trichloropropane    | 12.376         | 75   | 97619              | 29.59     | ug/l  | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.376         | 75   | 97619              | 82.32     | ug/l  | # 15     |
| -----                         |                |      |                    |           |       |          |

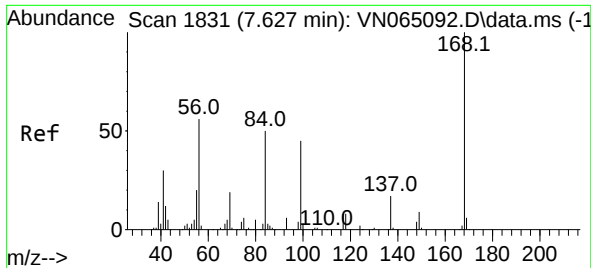
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121420\  
Data File : VN065125.D  
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Sample : L5085-06  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Dec 15 06:44:15 2020  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121420W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 15 05:41:47 2020  
Response via : Initial Calibration

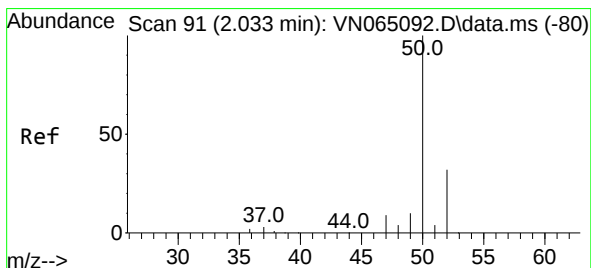
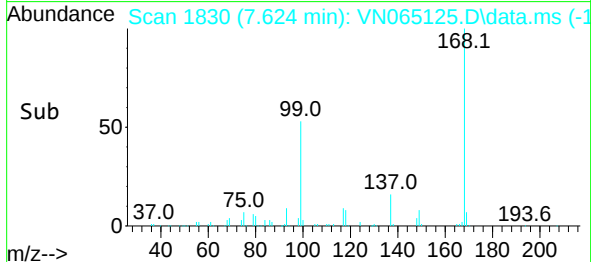
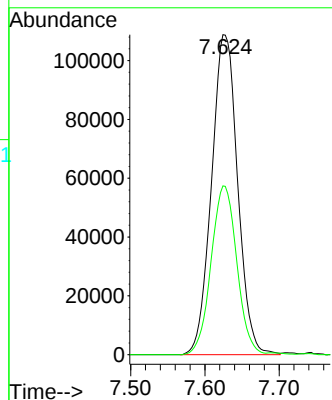
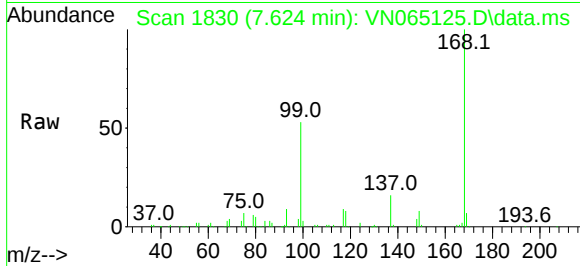




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.003 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

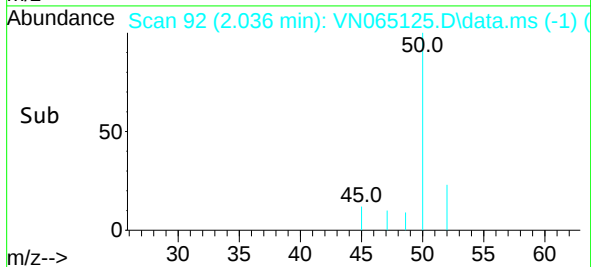
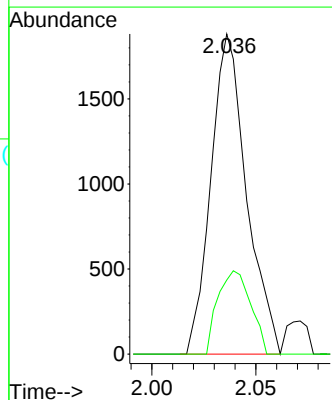
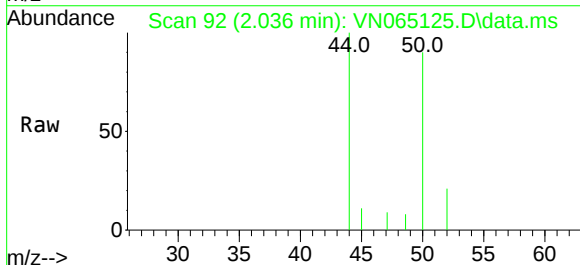
Instrument :  
MSVOA\_N  
ClientSampleId :

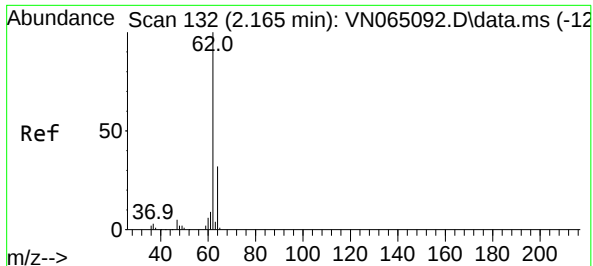
Tgt Ion:168 Resp: 266242  
Ion Ratio Lower Upper  
168 100  
99 52.7 43.0 64.4



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.036 min Scan# 92  
Delta R.T. 0.003 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

Tgt Ion: 50 Resp: 2241  
Ion Ratio Lower Upper  
50 100  
52 23.1 26.6 39.8#

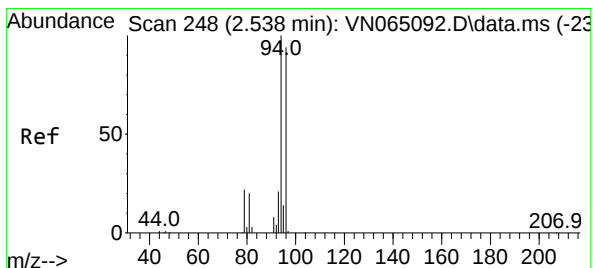
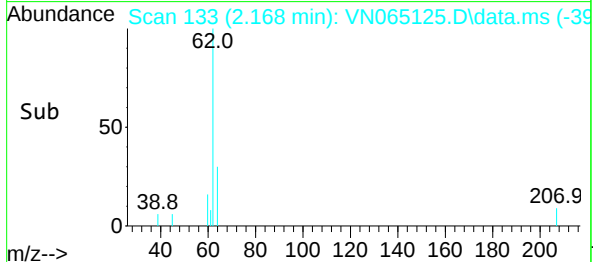
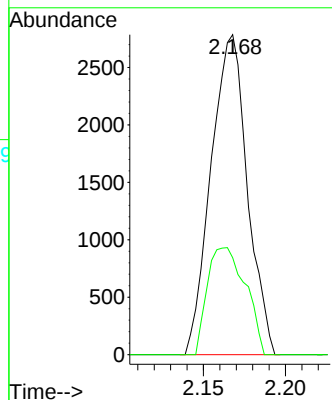
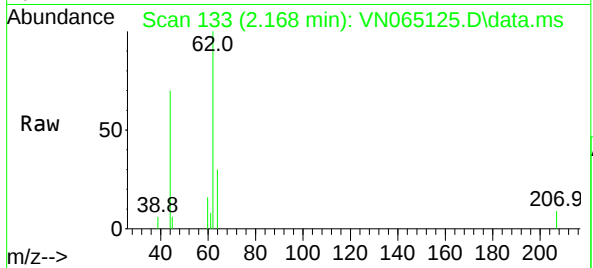




#4  
 Vinyl Chloride  
 Concen: 1.73 ug/l  
 RT: 2.168 min Scan# 133  
 Delta R.T. 0.003 min  
 Lab File: VN065125.D  
 Acq: 15 Dec 2020 1:46

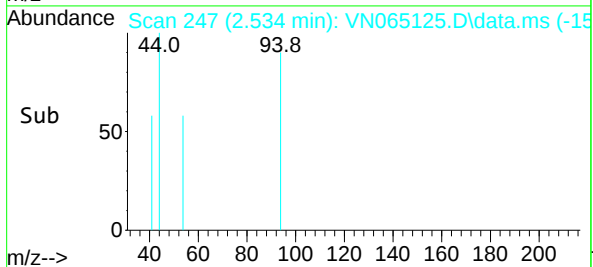
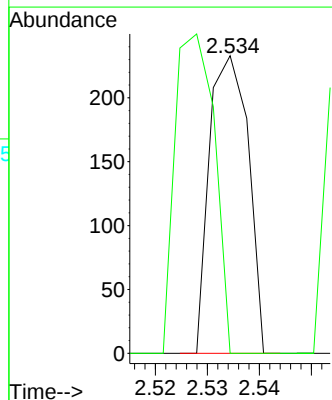
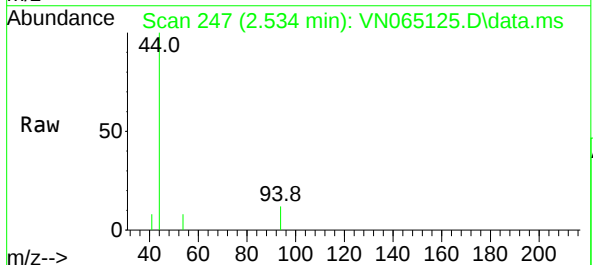
Instrument :  
 MSVOA\_N  
 ClientSampled :

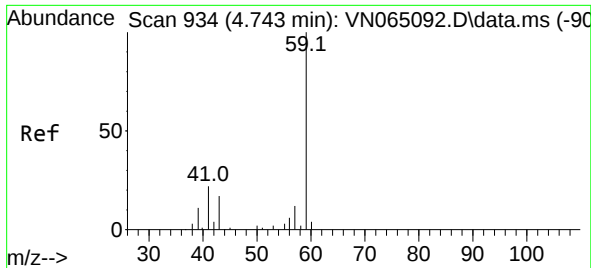
Tgt Ion: 62 Resp: 4285  
 Ion Ratio Lower Upper  
 62 100  
 64 30.3 26.5 39.7



#5  
 Bromomethane  
 Concen: Below Cal  
 RT: 2.534 min Scan# 247  
 Delta R.T. -0.004 min  
 Lab File: VN065125.D  
 Acq: 15 Dec 2020 1:46

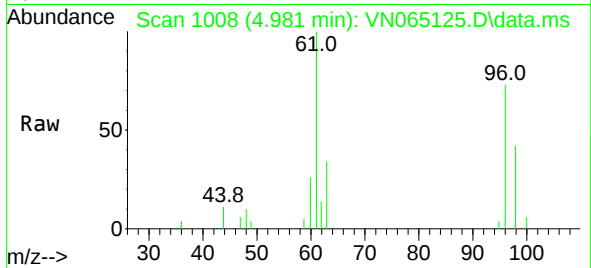
Tgt Ion: 94 Resp: 121  
 Ion Ratio Lower Upper  
 94 100  
 96 0.0 75.4 113.0#



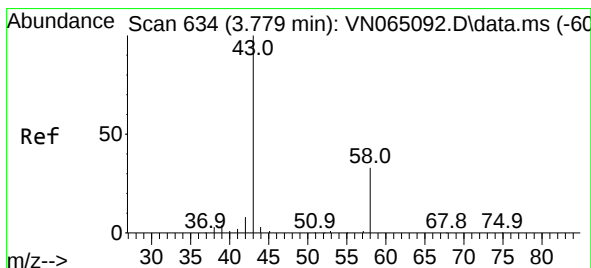
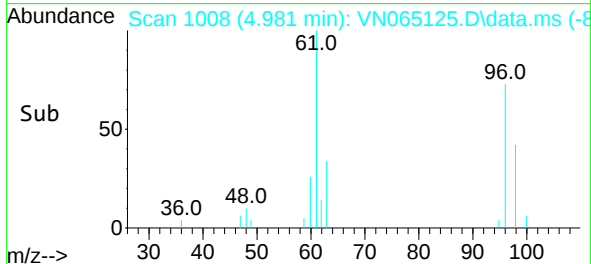
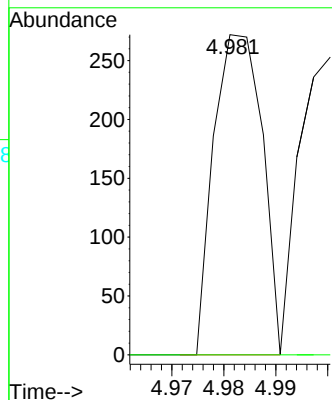


#11  
Tert butyl alcohol  
Concen: 0.54 ug/l  
RT: 4.981 min Scan# 1008  
Delta R.T. 0.238 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

Instrument :  
MSVOA\_N  
ClientSampled :

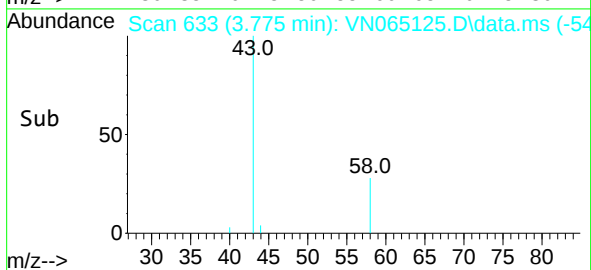
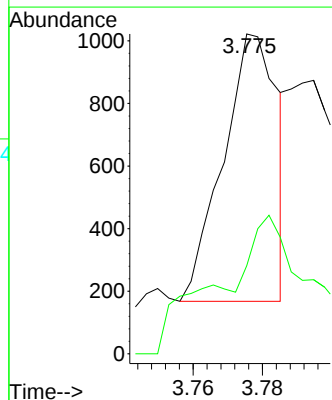
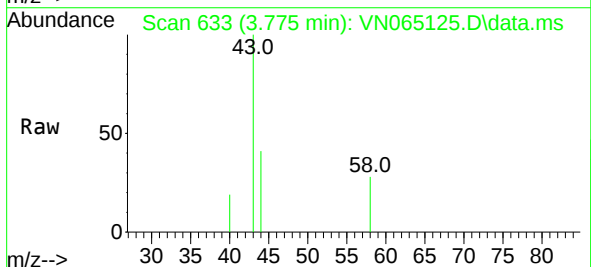


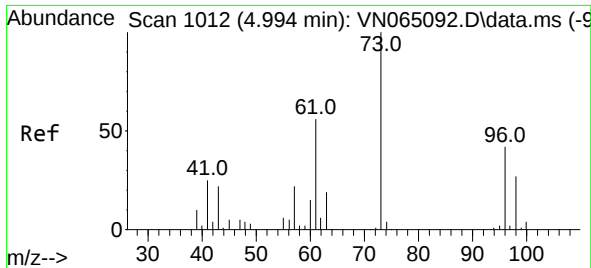
Tgt Ion: 59 Resp: 176  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.9 11.9#



#16  
Acetone  
Concen: 0.81 ug/l  
RT: 3.775 min Scan# 633  
Delta R.T. -0.004 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

Tgt Ion: 43 Resp: 927  
Ion Ratio Lower Upper  
43 100  
58 11.5 25.7 38.5#

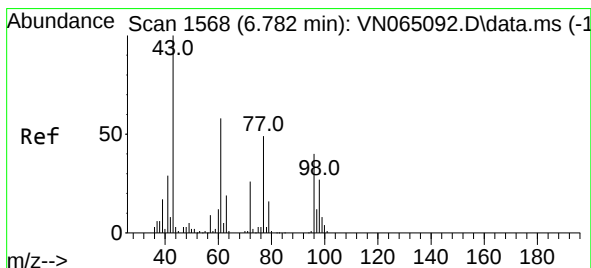
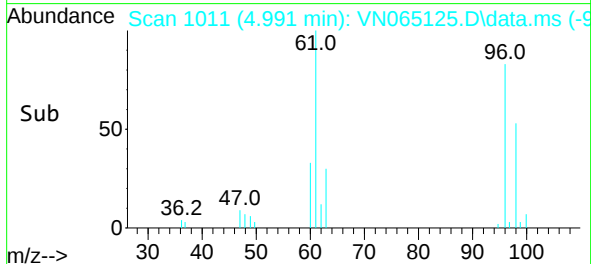
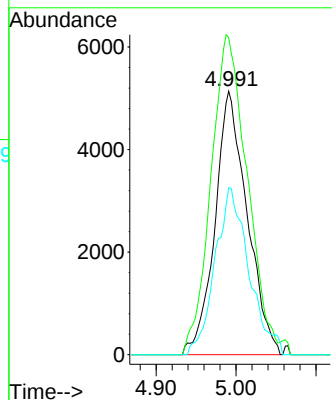
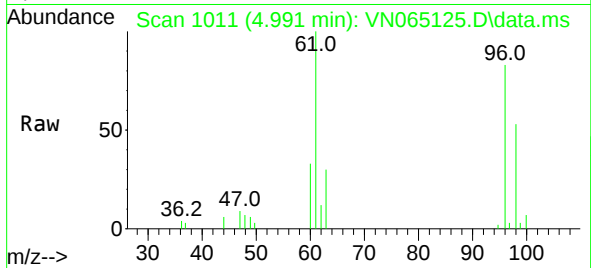




#21  
trans-1,2-Dichloroethene  
Concen: 5.53 ug/l  
RT: 4.991 min Scan# 1011  
Delta R.T. -0.003 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

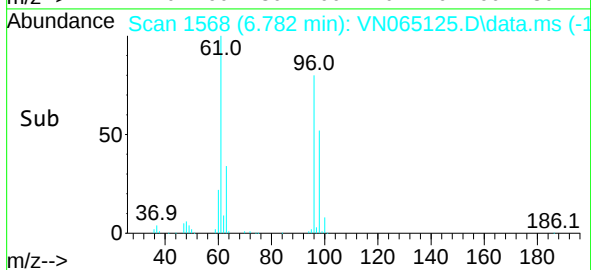
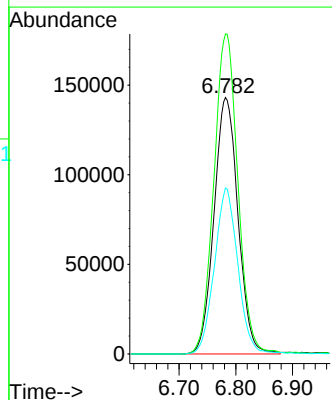
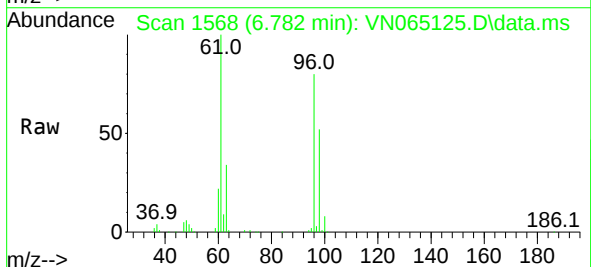
Instrument :  
MSVOA\_N  
ClientSampled :

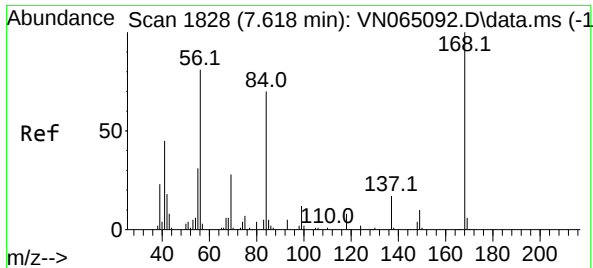
Tgt Ion: 96 Resp: 14364  
Ion Ratio Lower Upper  
96 100  
61 120.3 108.4 162.6  
98 63.3 51.3 76.9



#27  
cis-1,2-Dichloroethene  
Concen: 145.33 ug/l  
RT: 6.782 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

Tgt Ion: 96 Resp: 421609  
Ion Ratio Lower Upper  
96 100  
61 124.6 0.0 285.8  
98 62.8 0.0 130.6

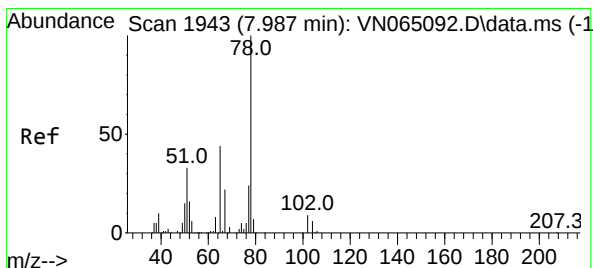
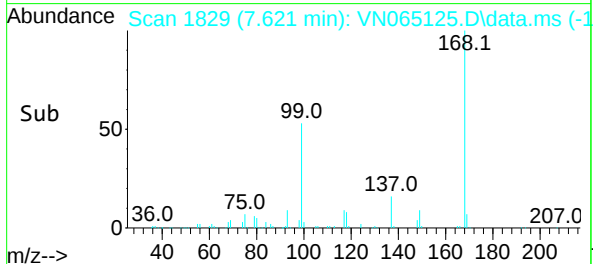
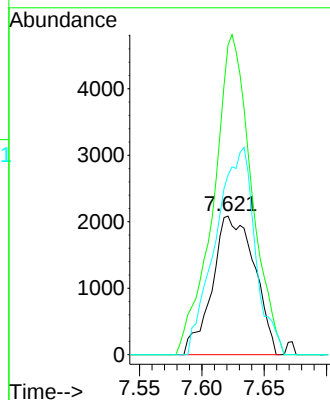
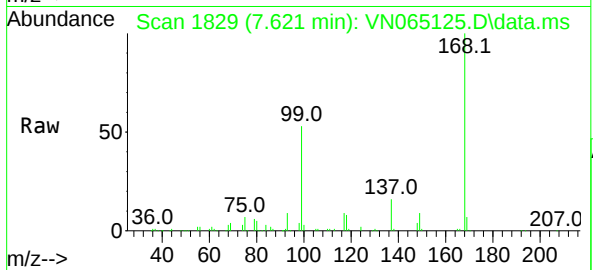




#31  
Cyclohexane  
Concen: 1.18 ug/l  
RT: 7.621 min Scan# 1829  
Delta R.T. 0.003 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

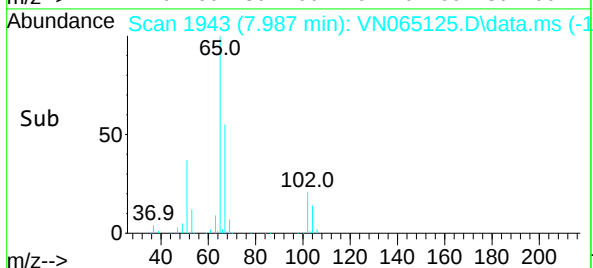
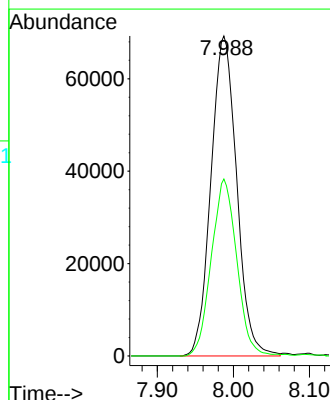
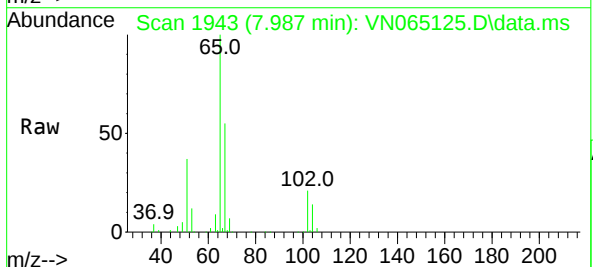
Instrument :  
MSVOA\_N  
ClientSampled :

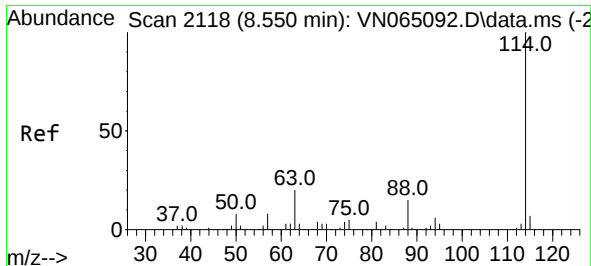
Tgt Ion: 56 Resp: 4900  
Ion Ratio Lower Upper  
56 100  
69 216.0 27.5 41.3#  
84 129.7 73.9 110.9#



#33  
1,2-Dichloroethane-d4  
Concen: 53.27 ug/l  
RT: 7.987 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

Tgt Ion: 65 Resp: 163043  
Ion Ratio Lower Upper  
65 100  
67 54.4 0.0 108.2

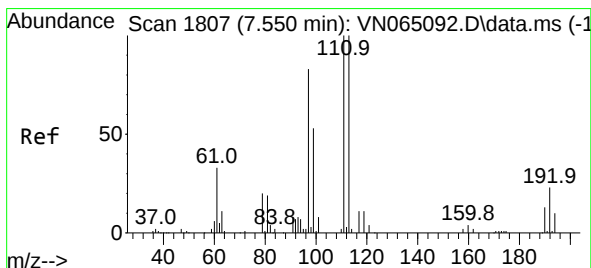
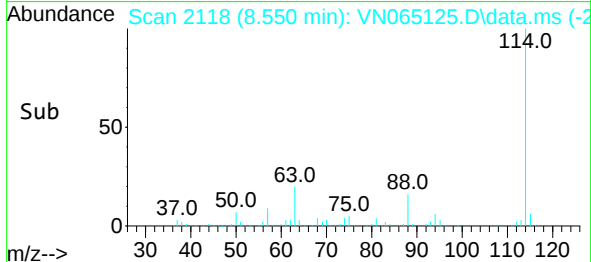
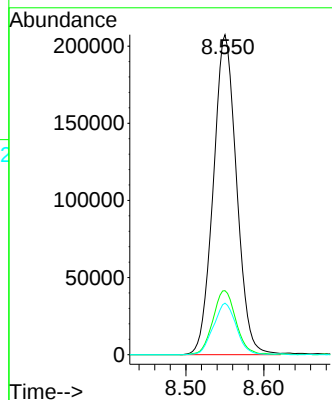
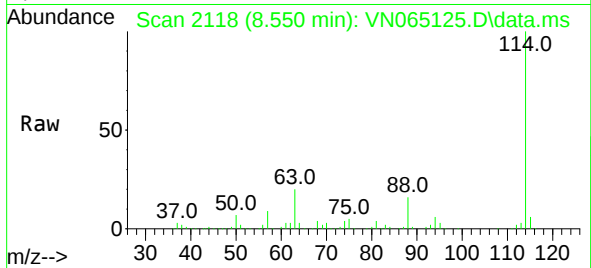




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

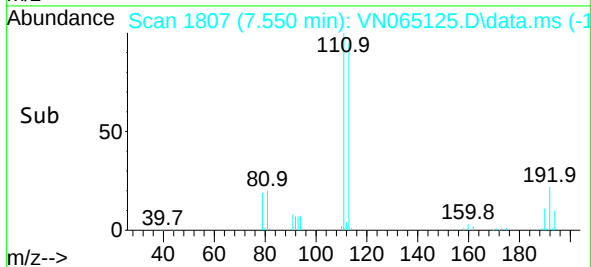
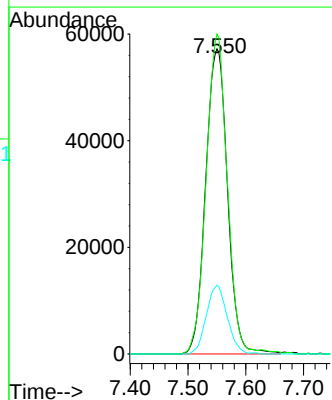
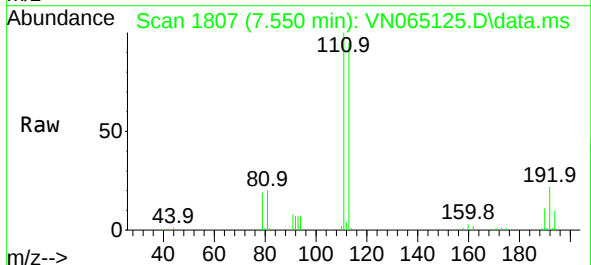
Instrument :  
MSVOA\_N  
ClientSampled :

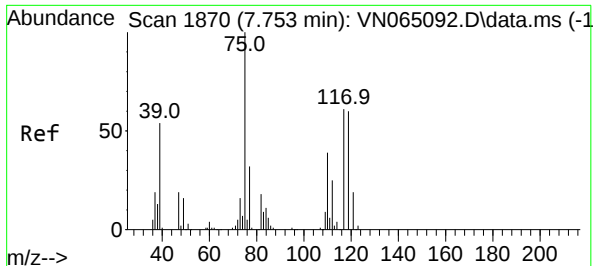
Tgt Ion:114 Resp: 429737  
Ion Ratio Lower Upper  
114 100  
63 20.0 0.0 38.6  
88 16.1 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 50.37 ug/l  
RT: 7.550 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

Tgt Ion:113 Resp: 150459  
Ion Ratio Lower Upper  
113 100  
111 100.8 81.6 122.4  
192 21.5 16.2 24.2

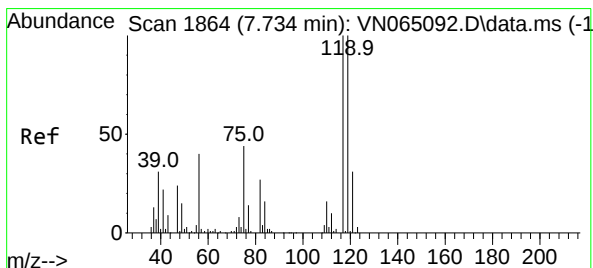
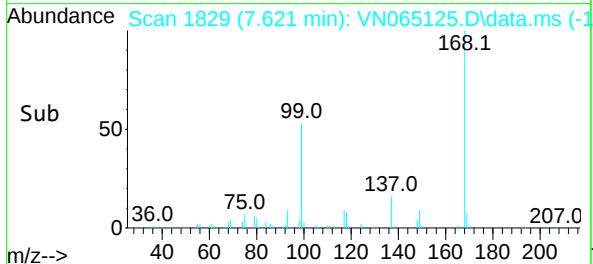
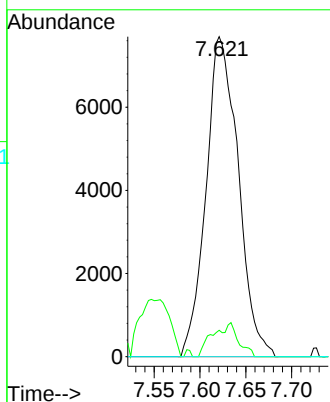
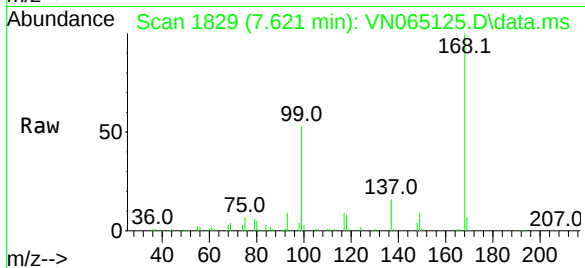




#36  
1,1-Dichloropropene  
Concen: 4.59 ug/l  
RT: 7.621 min Scan# 1829  
Delta R.T. -0.132 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

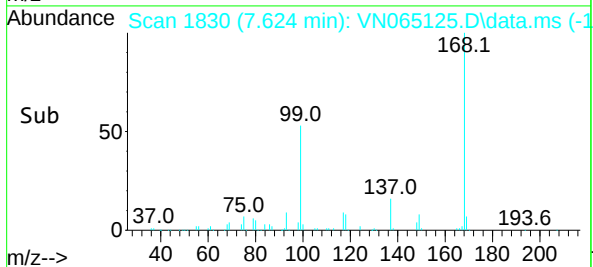
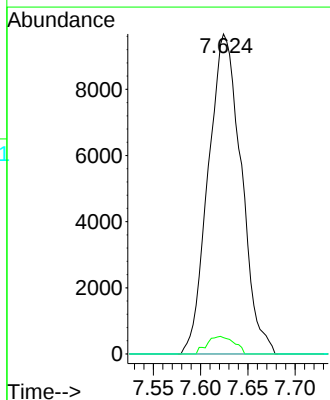
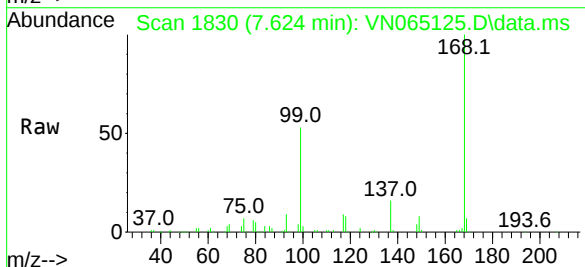
Instrument :  
MSVOA\_N  
ClientSampled :

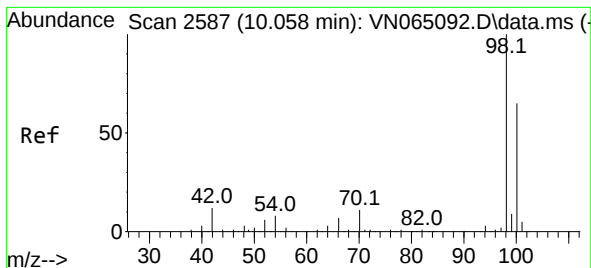
Tgt Ion: 75 Resp: 18817  
Ion Ratio Lower Upper  
75 100  
110 8.4 17.8 53.3#  
77 0.0 25.0 37.4#



#38  
Carbon Tetrachloride  
Concen: 4.96 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.110 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

Tgt Ion: 117 Resp: 23462  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.7 115.1#  
121 0.0 25.4 38.2#

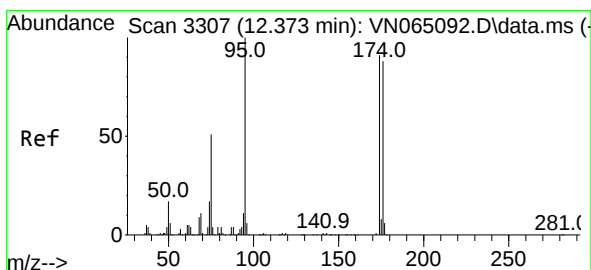
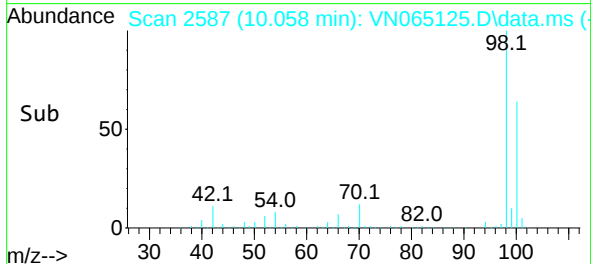
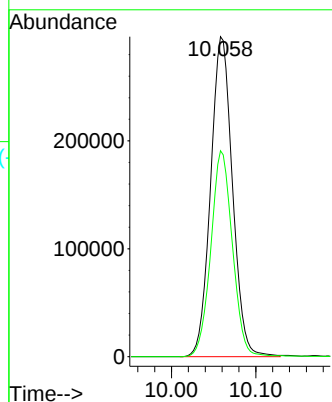
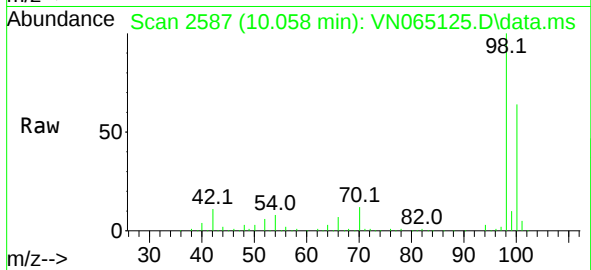




#50  
Toluene-d8  
Concen: 50.54 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

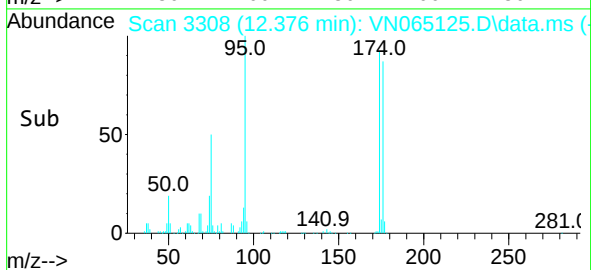
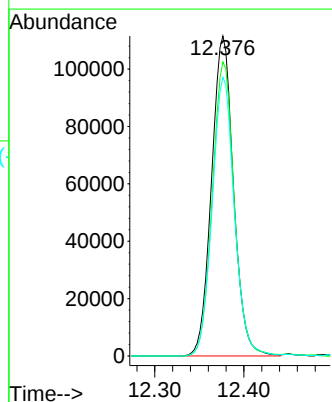
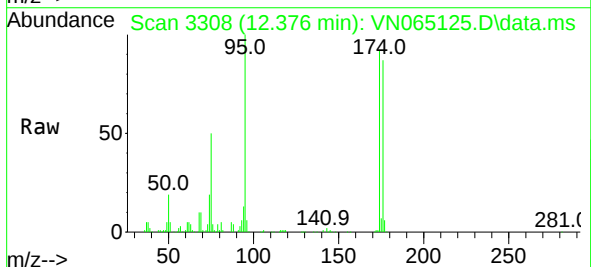
Instrument :  
MSVOA\_N  
ClientSampled :

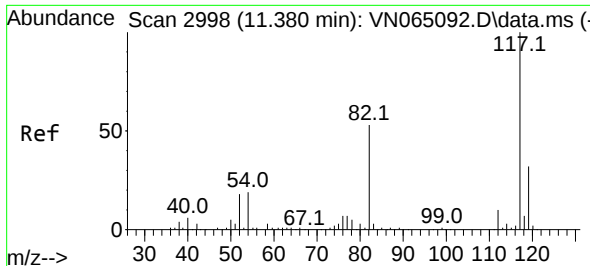
Tgt Ion: 98 Resp: 533878  
Ion Ratio Lower Upper  
98 100  
100 63.5 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 52.56 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.003 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

Tgt Ion: 95 Resp: 191186  
Ion Ratio Lower Upper  
95 100  
174 92.0 0.0 160.4  
176 87.5 0.0 158.4

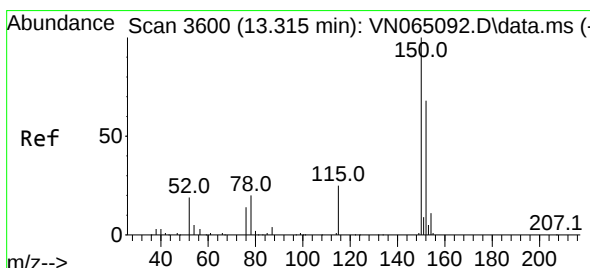
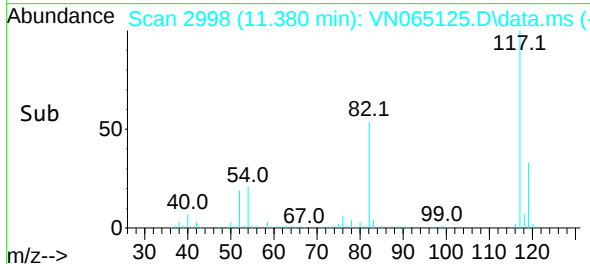
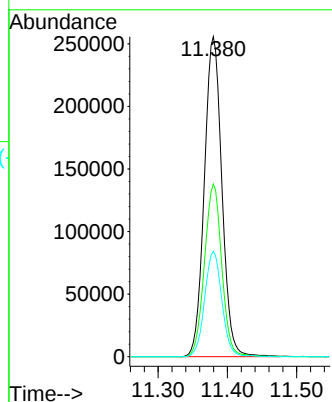
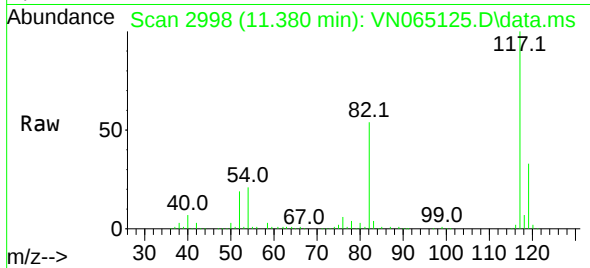




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.380 min Scan# 2998  
Delta R.T. -0.000 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

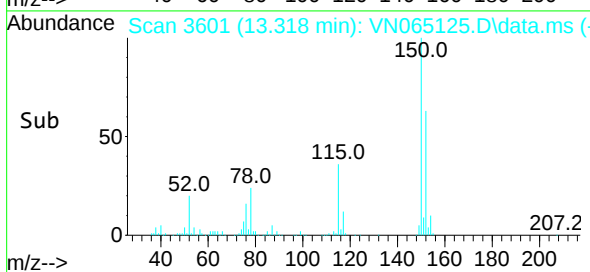
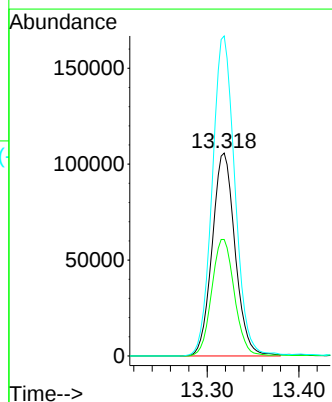
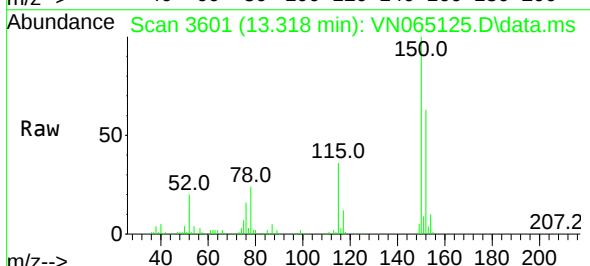
Instrument :  
MSVOA\_N  
ClientSampleId :

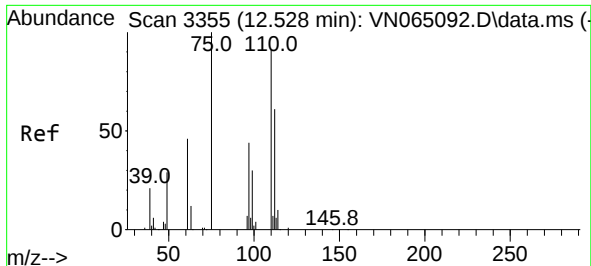
Tgt Ion:117 Resp: 450675  
Ion Ratio Lower Upper  
117 100  
82 53.9 44.2 66.2  
119 32.9 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.318 min Scan# 3601  
Delta R.T. 0.003 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

Tgt Ion:152 Resp: 183883  
Ion Ratio Lower Upper  
152 100  
115 56.8 29.7 89.1  
150 156.1 0.0 350.6

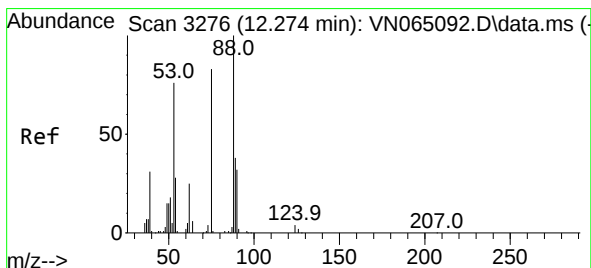
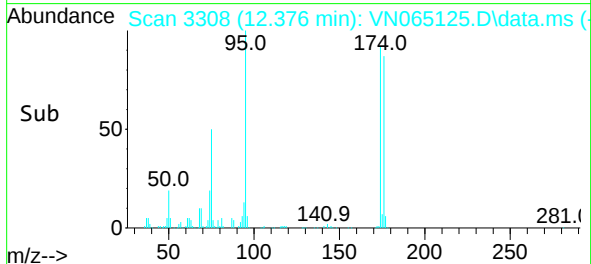
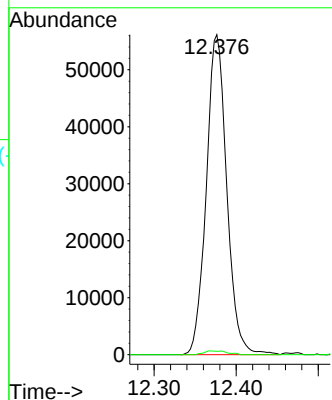
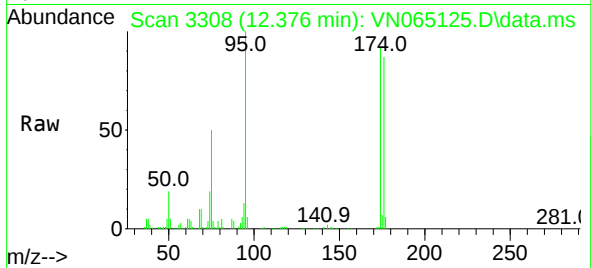




#76  
1,2,3-Trichloropropane  
Concen: 29.59 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. -0.152 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

Instrument :  
MSVOA\_N  
ClientSampled :

Tgt Ion: 75 Resp: 97619  
Ion Ratio Lower Upper  
75 100  
77 0.7 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 82.32 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.102 min  
Lab File: VN065125.D  
Acq: 15 Dec 2020 1:46

Tgt Ion: 75 Resp: 97619  
Ion Ratio Lower Upper  
75 100  
53 0.1 67.0 100.4#  
89 0.0 39.6 59.4#

