

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091621\  
 Data File : VN068506.D  
 Acq On : 16 Sep 2021 20:00  
 Operator : JC/MD  
 Sample : M3759-12DL 20X  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 31209DL

Quant Time: Sep 17 02:03:17 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

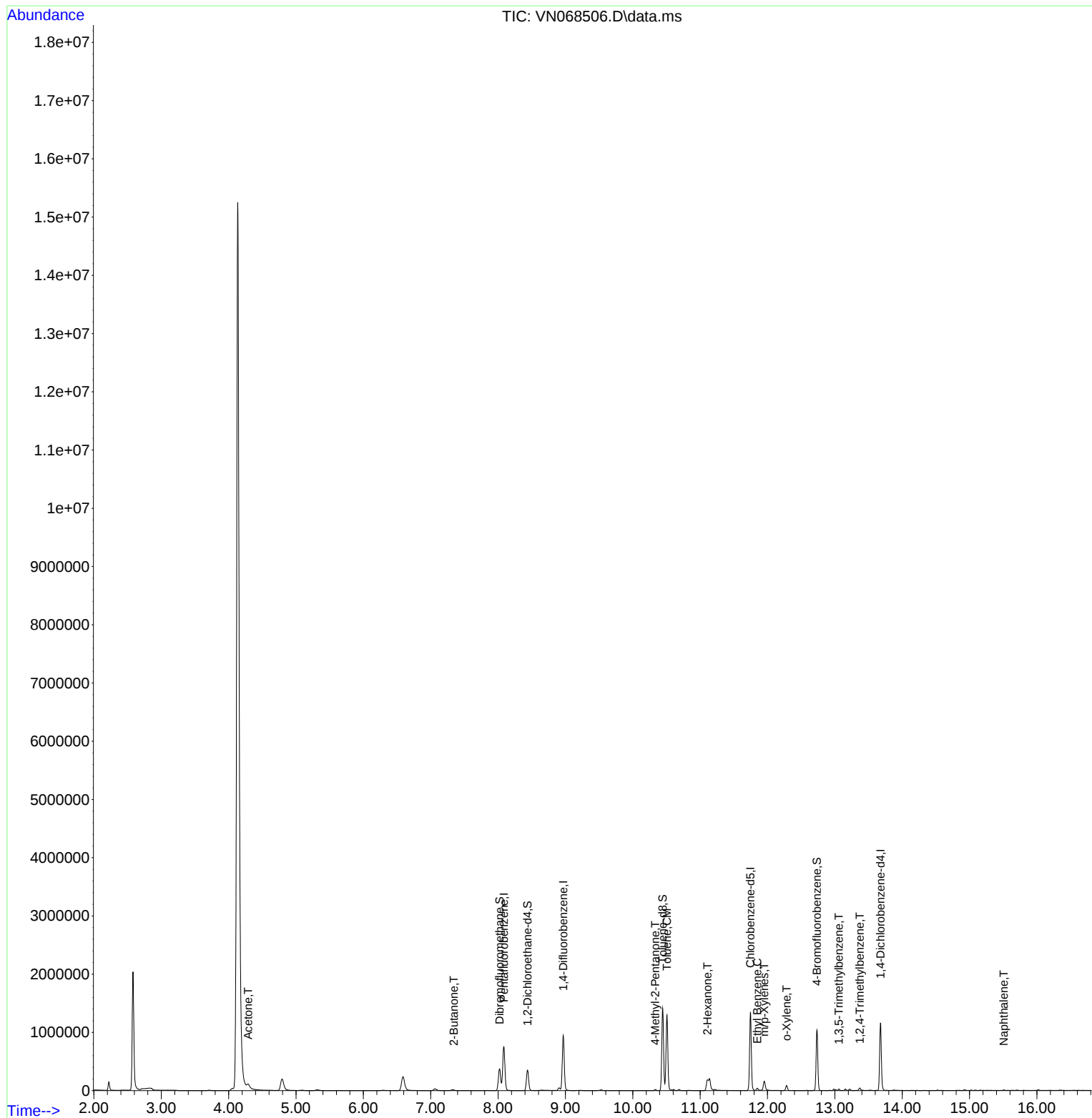
| Compound                    | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-----------------------------|--------|----------------|----------|--------|----------|----------|
| -----                       |        |                |          |        |          |          |
| Internal Standards          |        |                |          |        |          |          |
| 1) Pentafluorobenzene       | 8.086  | 168            | 665268   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.968  | 114            | 923775   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5        | 11.746 | 117            | 871953   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.677 | 152            | 354560   | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds |        |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4   | 8.437  | 65             | 297727   | 48.788 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 61 - 141 | Recovery | =      | 97.580%  |          |
| 35) Dibromofluoromethane    | 8.024  | 113            | 280552   | 50.354 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 69 - 133 | Recovery | =      | 100.700% |          |
| 50) Toluene-d8              | 10.443 | 98             | 1073745  | 53.055 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 65 - 126 | Recovery | =      | 106.100% |          |
| 62) 4-Bromofluorobenzene    | 12.733 | 95             | 350404   | 54.108 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 58 - 135 | Recovery | =      | 108.220% |          |
| Target Compounds            |        |                |          |        |          |          |
|                             |        |                |          |        | Qvalue   |          |
| 16) Acetone                 | 4.291  | 43             | 112926   | 55.920 | ug/l #   | 1        |
| 25) 2-Butanone              | 7.343  | 43             | 9052     | 3.053  | ug/l     | 98       |
| 51) 4-Methyl-2-Pentanone    | 10.333 | 43             | 13054    | 2.212  | ug/l     | 97       |
| 52) Toluene                 | 10.507 | 92             | 612393   | 40.487 | ug/l     | 100      |
| 59) 2-Hexanone              | 11.108 | 43             | 51671    | 13.076 | ug/l #   | 33       |
| 67) Ethyl Benzene           | 11.848 | 91             | 28865    | 0.985  | ug/l     | 97       |
| 68) m/p-Xylenes             | 11.950 | 106            | 56062    | 4.749  | ug/l     | 100      |
| 69) o-Xylene                | 12.283 | 106            | 25504    | 2.217  | ug/l     | 98       |
| 80) 1,3,5-Trimethylbenzene  | 13.061 | 105            | 13643    | 0.666  | ug/l     | 94       |
| 84) 1,2,4-Trimethylbenzene  | 13.369 | 105            | 25754    | 1.311  | ug/l     | 98       |
| 95) Naphthalene             | 15.507 | 128            | 10218    | 4.174  | ug/l #   | 94       |
| -----                       |        |                |          |        |          |          |

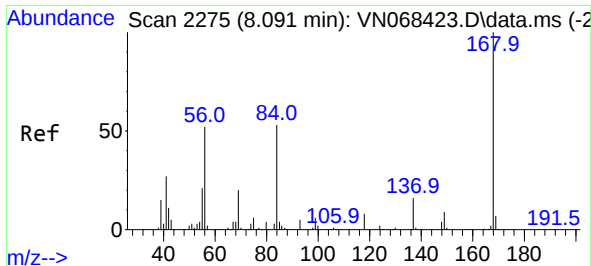
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091621\  
Data File : VN068506.D  
Acq On : 16 Sep 2021 20:00  
Operator : JC/MD  
Sample : M3759-12DL 20X  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
31209DL

Quant Time: Sep 17 02:03:17 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

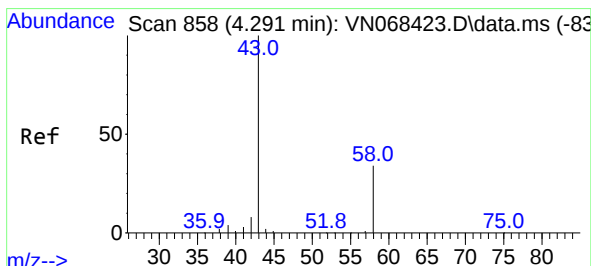
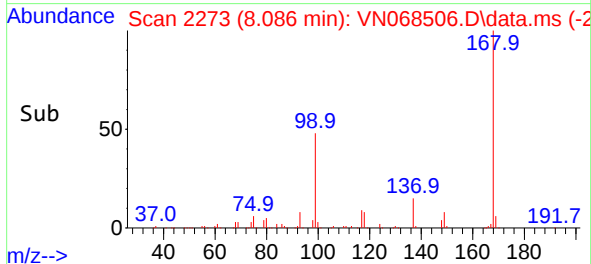
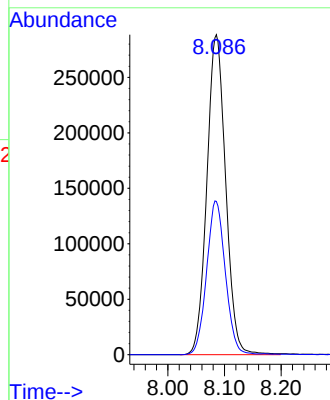
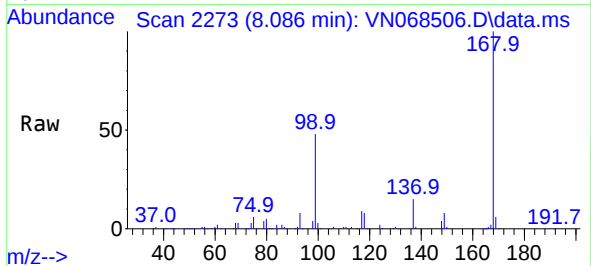




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.005 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

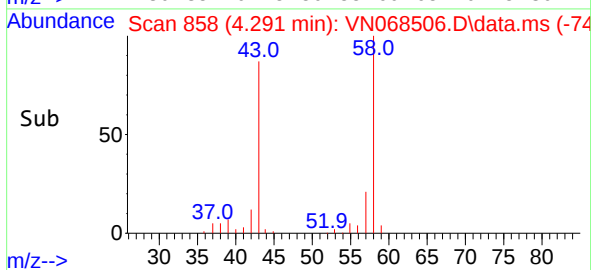
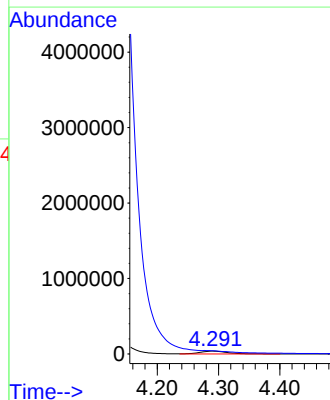
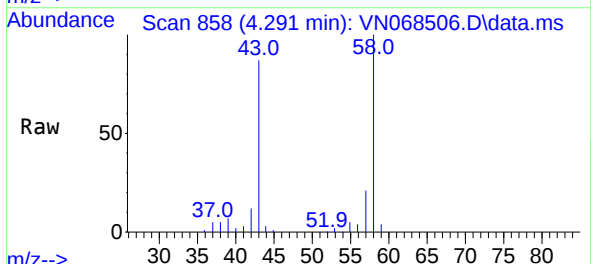
Instrument :  
MSVOA\_N  
ClientSampled :  
31209DL

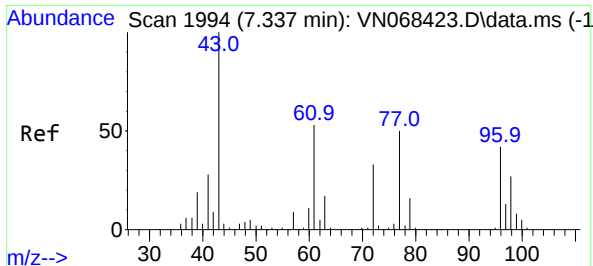
Tgt Ion:168 Resp: 665268  
Ion Ratio Lower Upper  
168 100  
99 47.9 38.2 57.4



#16  
Acetone  
Concen: 55.920 ug/l  
RT: 4.291 min Scan# 858  
Delta R.T. 0.000 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

Tgt Ion: 43 Resp: 112926  
Ion Ratio Lower Upper  
43 100  
58 90.3 27.0 40.6#

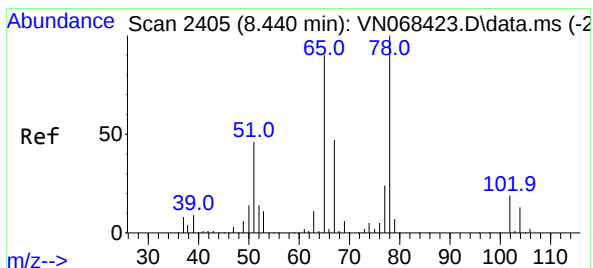
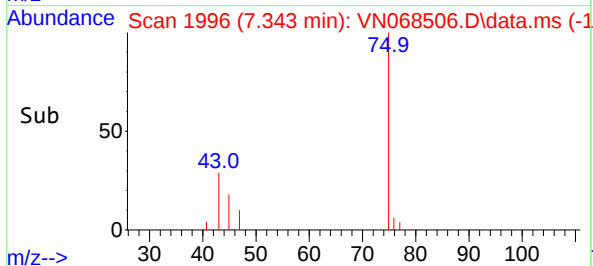
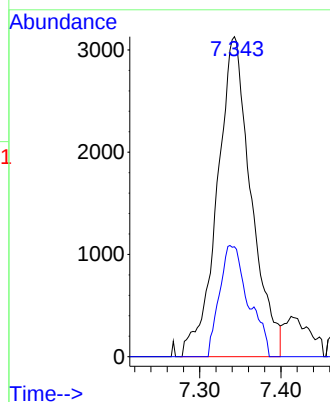
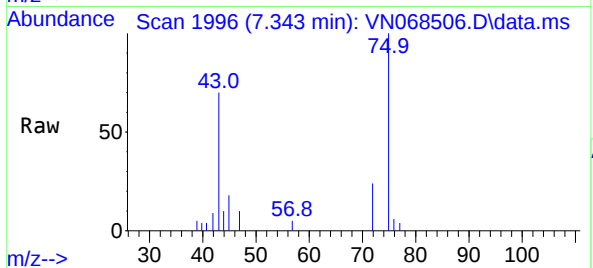




#25  
2-Butanone  
Concen: 3.053 ug/l  
RT: 7.343 min Scan# 1996  
Delta R.T. 0.005 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

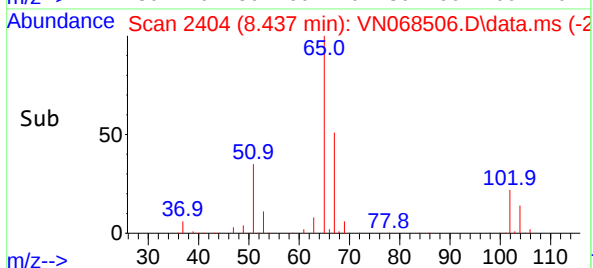
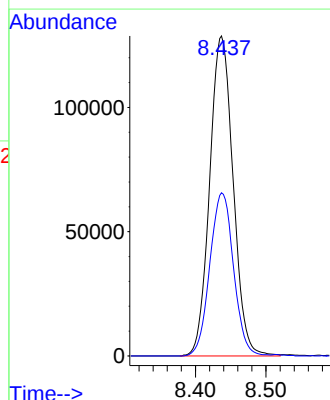
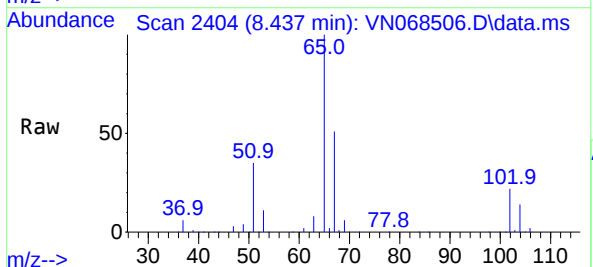
Instrument :  
MSVOA\_N  
ClientSampled :  
31209DL

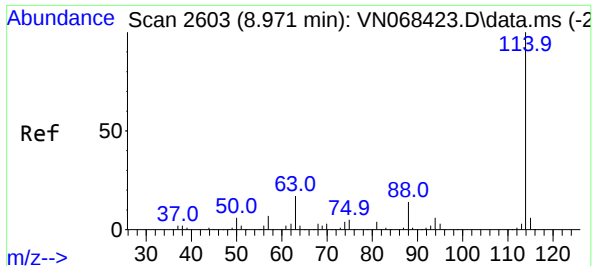
Tgt Ion: 43 Resp: 9052  
Ion Ratio Lower Upper  
43 100  
72 34.3 26.7 40.1



#33  
1,2-Dichloroethane-d4  
Concen: 48.788 ug/l  
RT: 8.437 min Scan# 2404  
Delta R.T. -0.003 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

Tgt Ion: 65 Resp: 297727  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 104.0

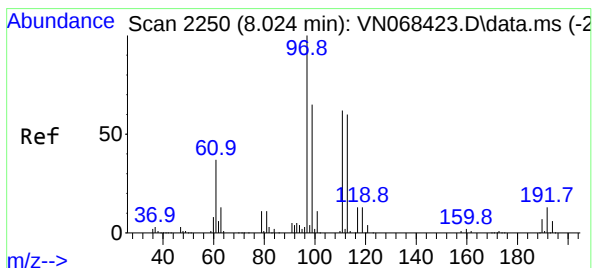
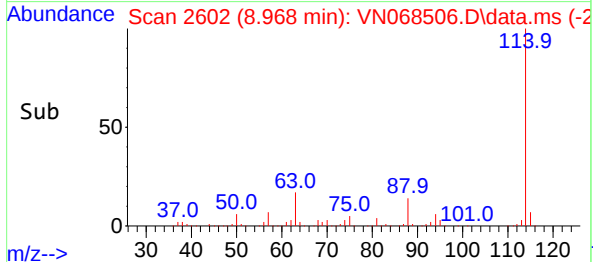
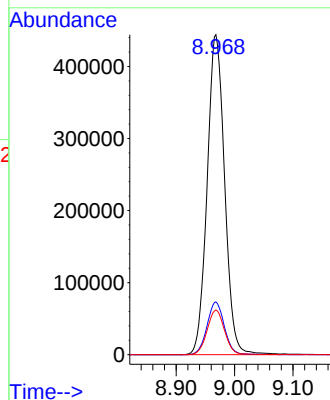
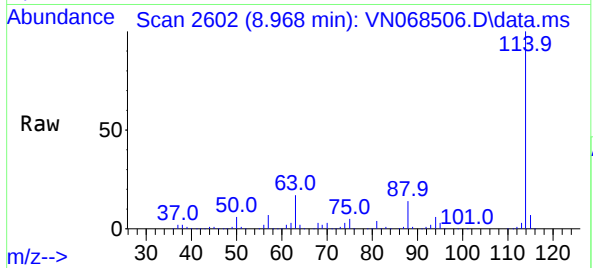




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.968 min Scan# 2602  
Delta R.T. -0.003 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

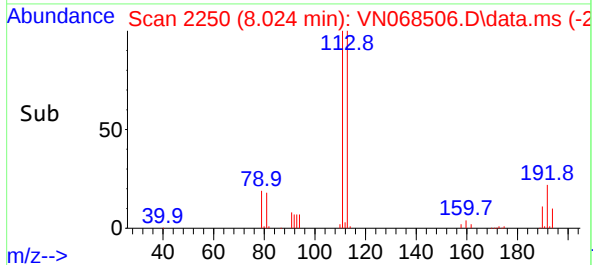
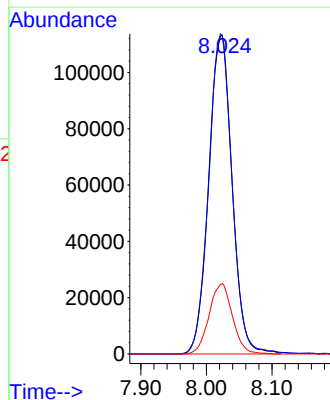
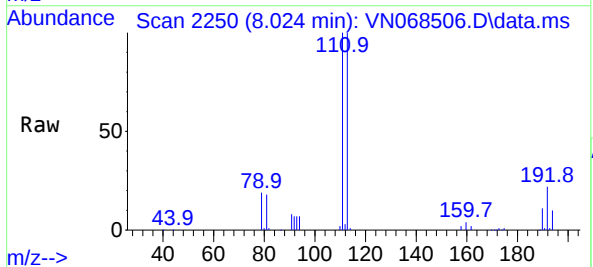
Instrument :  
MSVOA\_N  
ClientSampled :  
31209DL

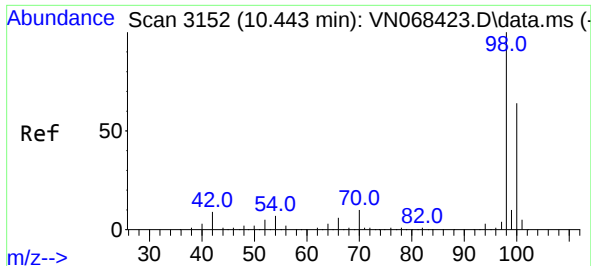
Tgt Ion:114 Resp: 923775  
Ion Ratio Lower Upper  
114 100  
63 16.5 0.0 33.2  
88 13.9 0.0 28.4



#35  
Dibromofluoromethane  
Concen: 50.354 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.000 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

Tgt Ion:113 Resp: 280552  
Ion Ratio Lower Upper  
113 100  
111 100.7 81.1 121.7  
192 22.0 17.7 26.5

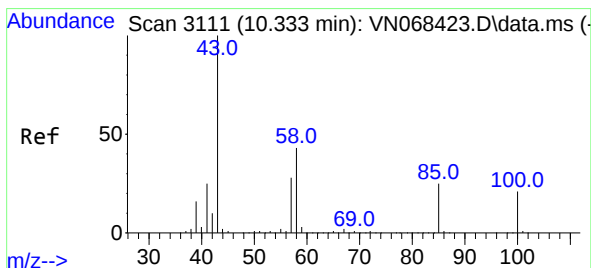
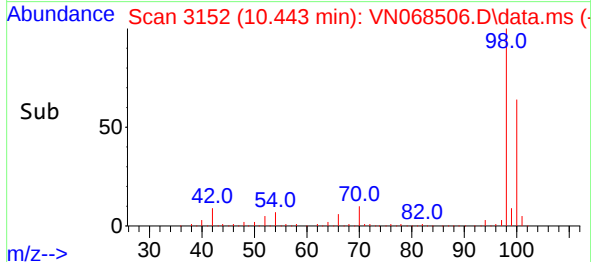
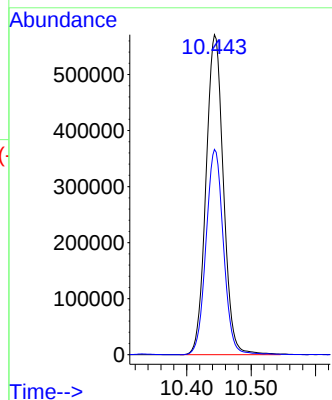
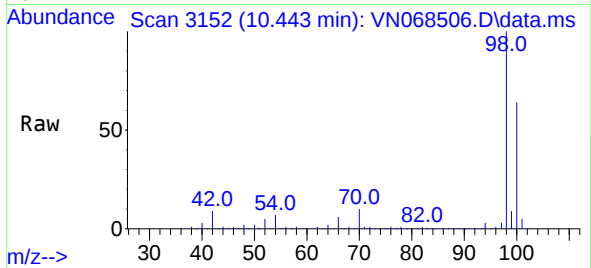




#50  
Toluene-d8  
Concen: 53.055 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

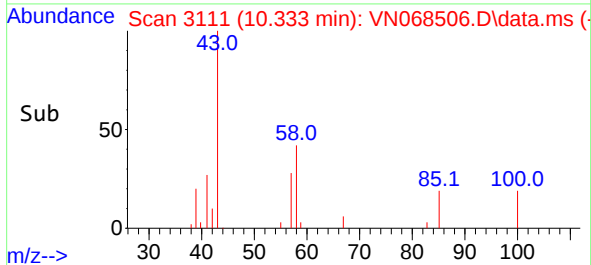
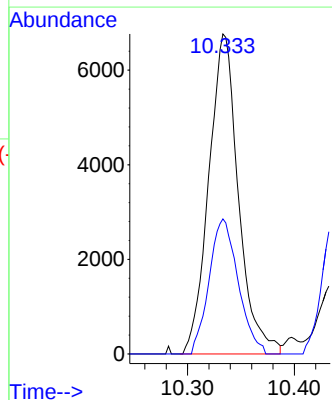
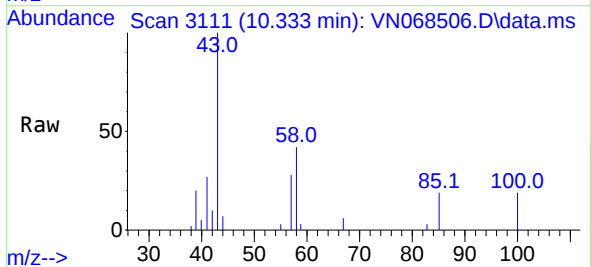
Instrument :  
MSVOA\_N  
ClientSampled :  
31209DL

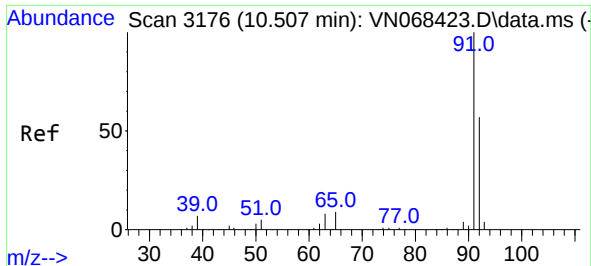
Tgt Ion: 98 Resp: 1073745  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.0 76.6



#51  
4-Methyl-2-Pentanone  
Concen: 2.212 ug/l  
RT: 10.333 min Scan# 3111  
Delta R.T. 0.000 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

Tgt Ion: 43 Resp: 13054  
Ion Ratio Lower Upper  
43 100  
58 41.3 34.3 51.5

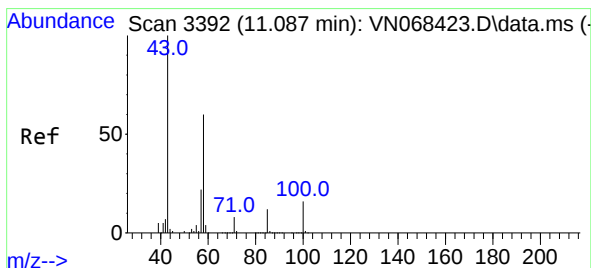
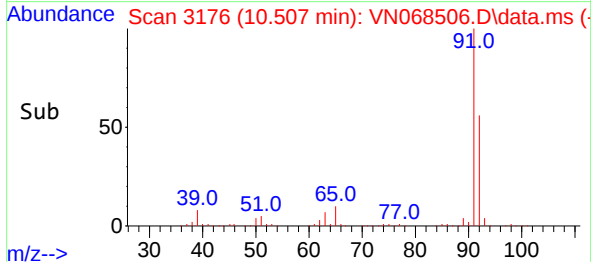
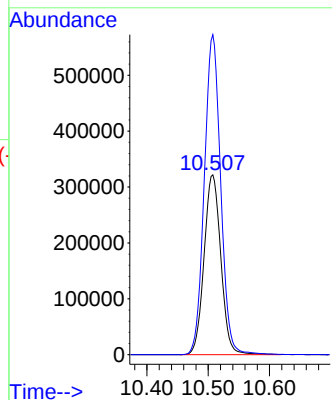
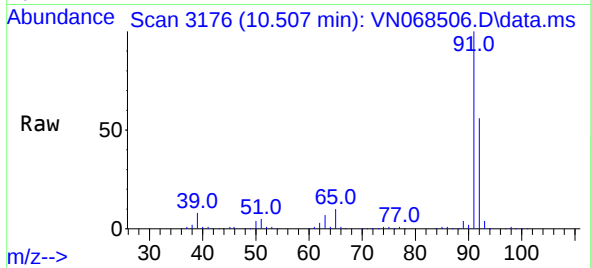




#52  
Toluene  
Concen: 40.487 ug/l  
RT: 10.507 min Scan# 3176  
Delta R.T. 0.000 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

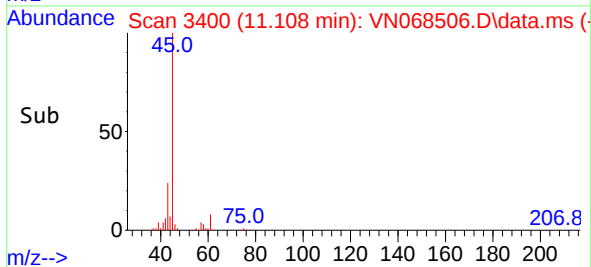
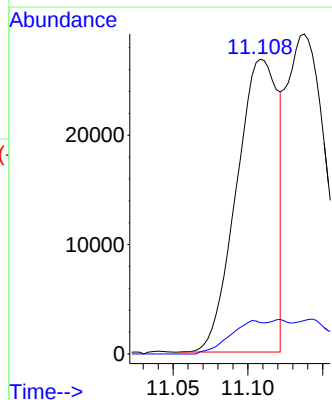
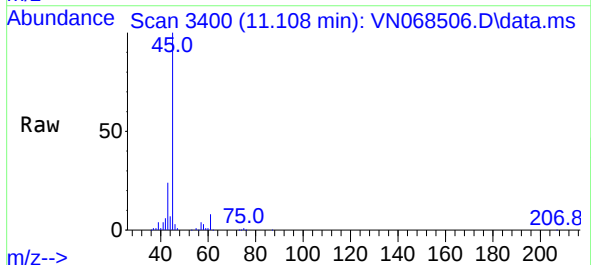
Instrument :  
MSVOA\_N  
ClientSampled :  
31209DL

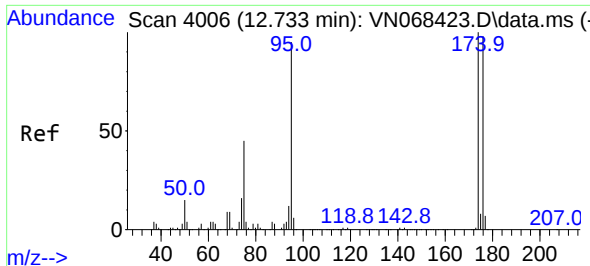
Tgt Ion: 92 Resp: 612393  
Ion Ratio Lower Upper  
92 100  
91 173.9 139.4 209.0



#59  
2-Hexanone  
Concen: 13.076 ug/l  
RT: 11.108 min Scan# 3400  
Delta R.T. 0.021 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

Tgt Ion: 43 Resp: 51671  
Ion Ratio Lower Upper  
43 100  
58 9.2 30.0 90.1#



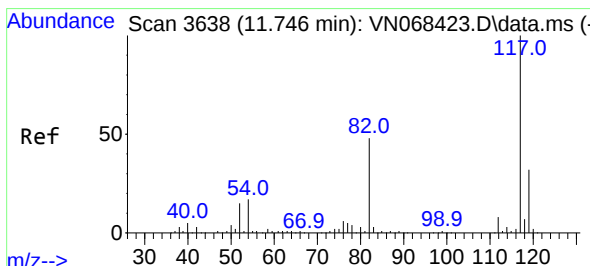
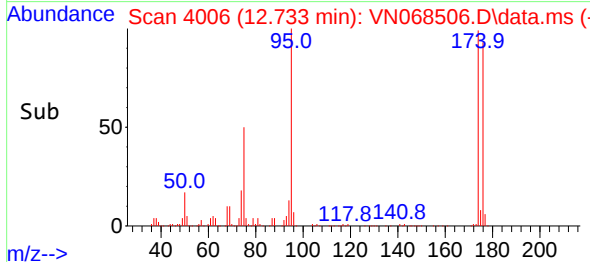
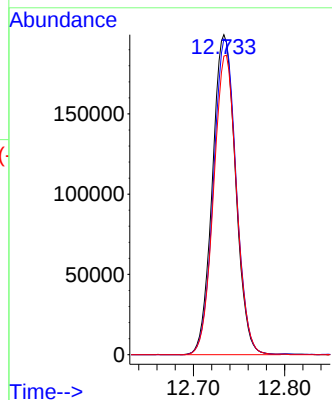
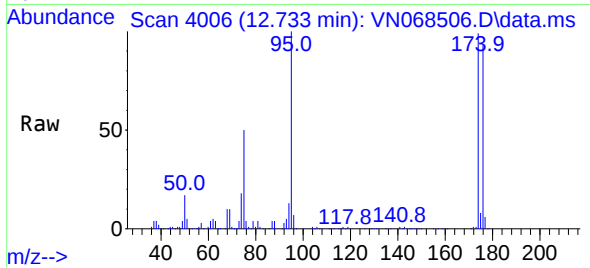


#62  
4-Bromofluorobenzene  
Concen: 54.108 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.000 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

Instrument :  
MSVOA\_N  
ClientSampled :  
31209DL

Tgt Ion: 95 Resp: 350404

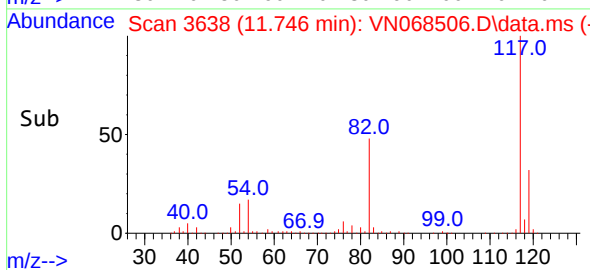
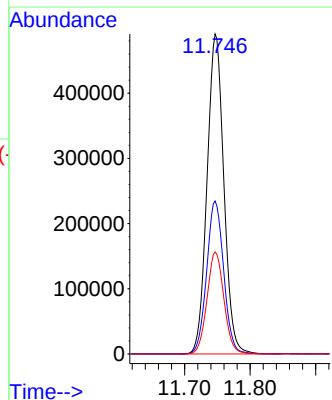
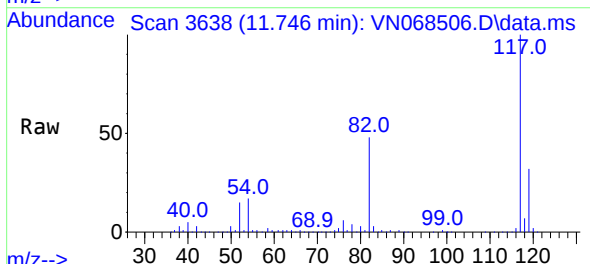
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 97.1  | 0.0   | 214.0 |
| 176 | 92.8  | 0.0   | 205.4 |

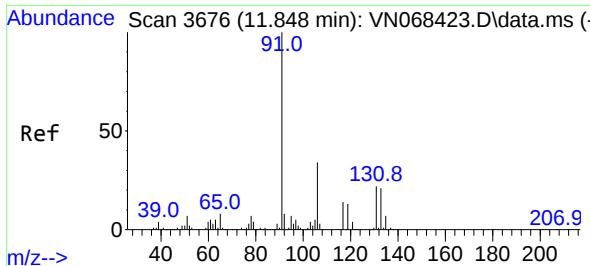


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

Tgt Ion: 117 Resp: 871953

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 47.8  | 38.7  | 58.1  |
| 119 | 31.9  | 25.5  | 38.3  |

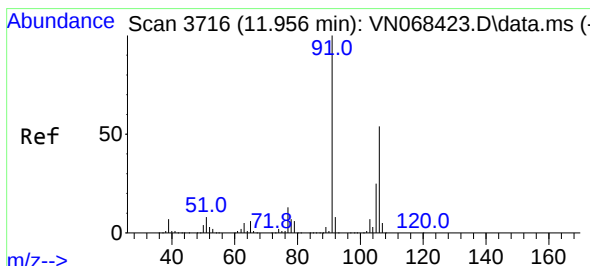
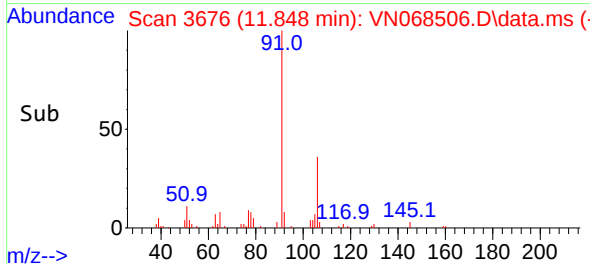
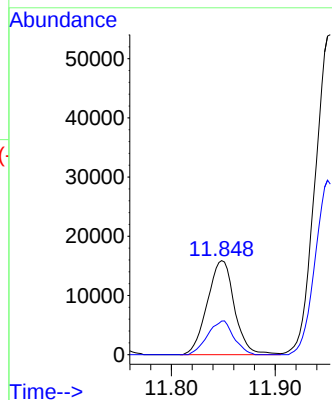
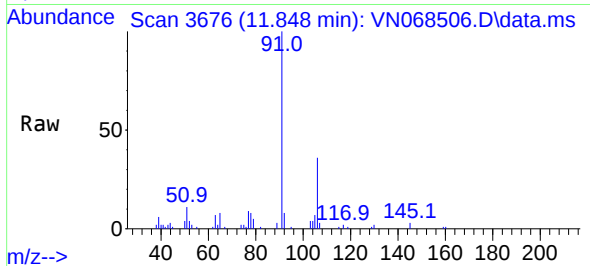




#67  
Ethyl Benzene  
Concen: 0.985 ug/l  
RT: 11.848 min Scan# 3676  
Delta R.T. 0.000 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

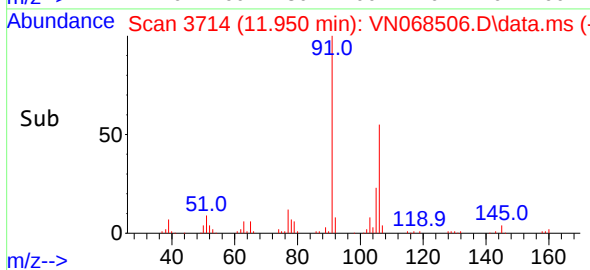
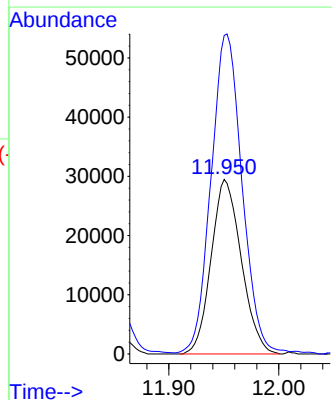
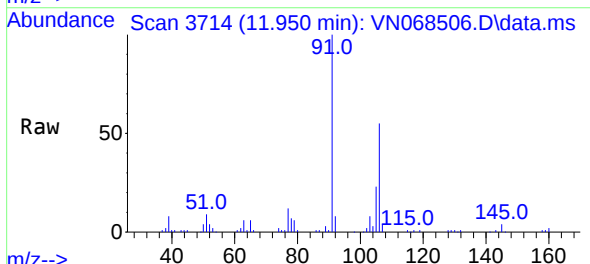
Instrument :  
MSVOA\_N  
ClientSampled :  
31209DL

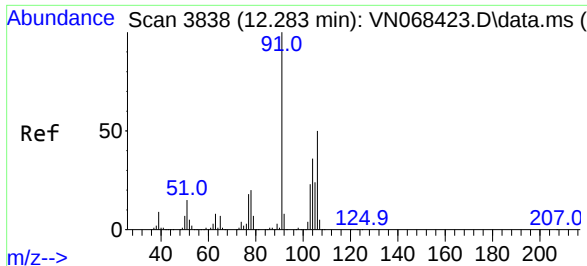
Tgt Ion: 91 Resp: 28865  
Ion Ratio Lower Upper  
91 100  
106 35.7 27.1 40.7



#68  
m/p-Xylenes  
Concen: 4.749 ug/l  
RT: 11.950 min Scan# 3714  
Delta R.T. -0.005 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

Tgt Ion: 106 Resp: 56062  
Ion Ratio Lower Upper  
106 100  
91 187.1 149.5 224.3

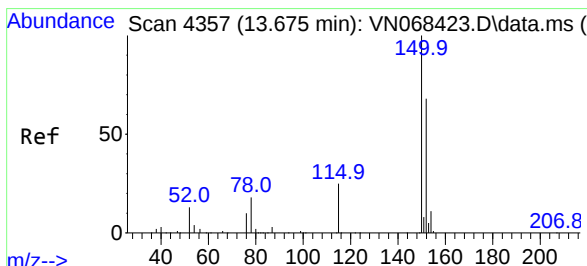
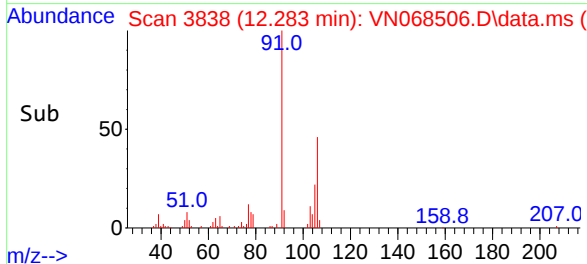
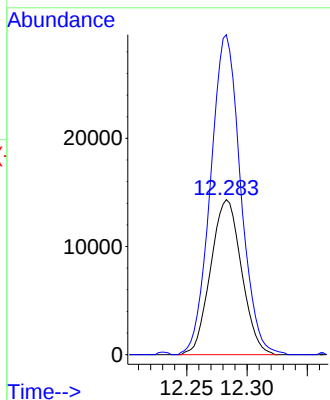
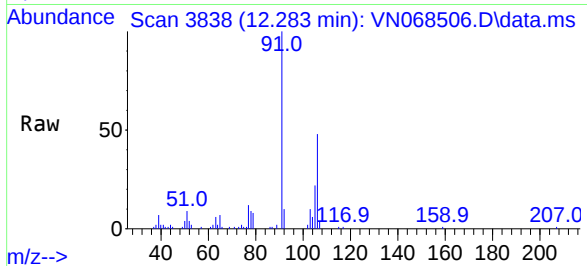




#69  
o-Xylene  
Concen: 2.217 ug/l  
RT: 12.283 min Scan# 3838  
Delta R.T. 0.000 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

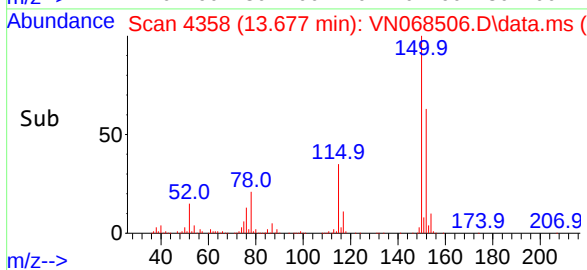
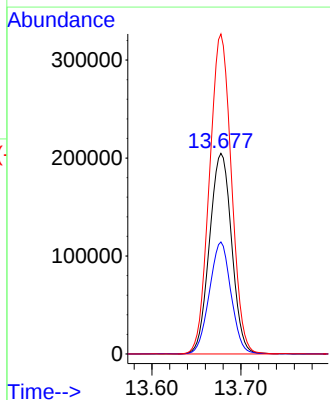
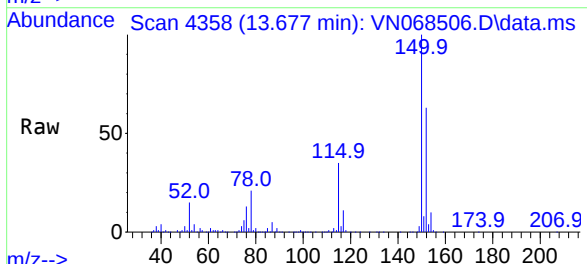
Instrument :  
MSVOA\_N  
ClientSampled :  
31209DL

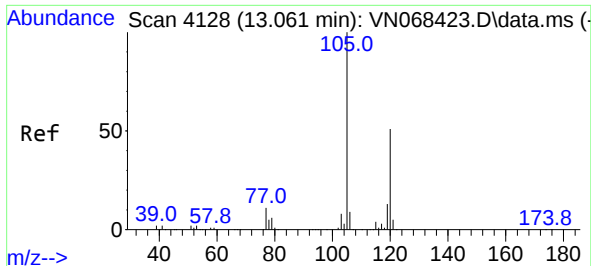
Tgt Ion:106 Resp: 25504  
Ion Ratio Lower Upper  
106 100  
91 201.1 99.3 297.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.677 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

Tgt Ion:152 Resp: 354560  
Ion Ratio Lower Upper  
152 100  
115 54.7 25.6 76.6  
150 157.8 0.0 346.8

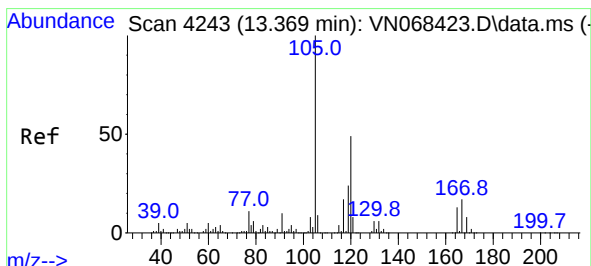
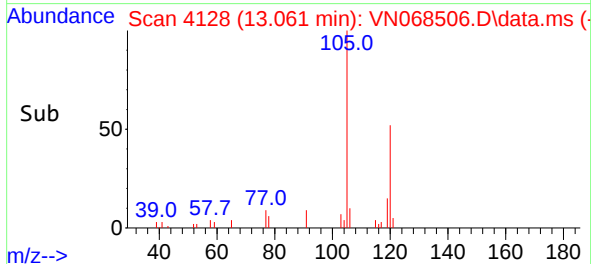
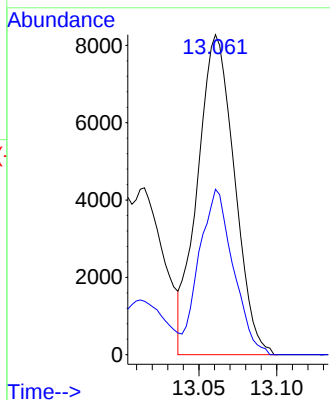
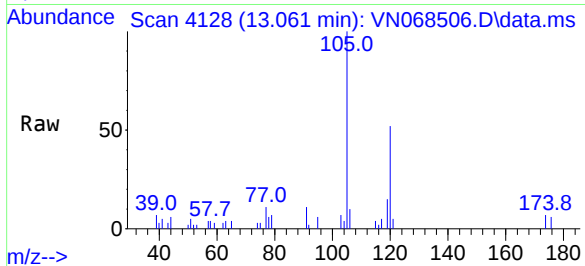




#80  
1,3,5-Trimethylbenzene  
Concen: 0.666 ug/l  
RT: 13.061 min Scan# 4128  
Delta R.T. 0.000 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

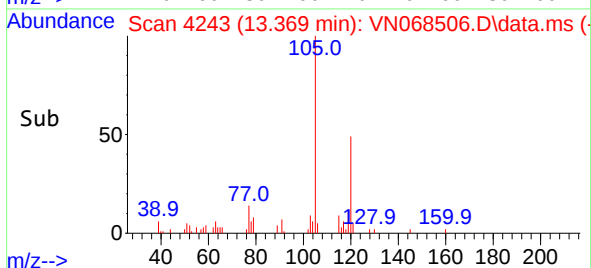
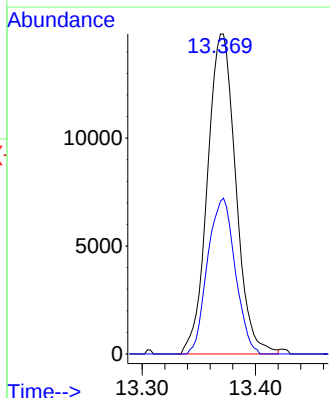
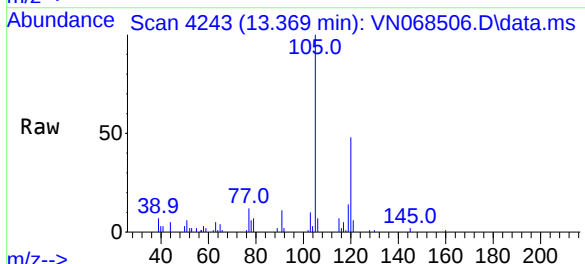
Instrument :  
MSVOA\_N  
ClientSampled :  
31209DL

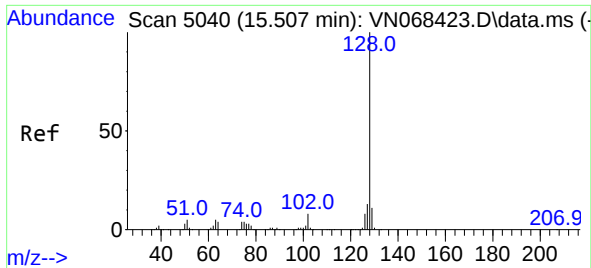
Tgt Ion:105 Resp: 13643  
Ion Ratio Lower Upper  
105 100  
120 47.5 25.7 77.1



#84  
1,2,4-Trimethylbenzene  
Concen: 1.311 ug/l  
RT: 13.369 min Scan# 4243  
Delta R.T. 0.000 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

Tgt Ion:105 Resp: 25754  
Ion Ratio Lower Upper  
105 100  
120 47.3 24.3 72.9





#95  
Naphthalene  
Concen: 4.174 ug/l  
RT: 15.507 min Scan# 5040  
Delta R.T. -0.000 min  
Lab File: VN068506.D  
Acq: 16 Sep 2021 20:00

Instrument :  
MSVOA\_N  
ClientSampled :  
31209DL

Tgt Ion:128 Resp: 10218  
Ion Ratio Lower Upper  
128 100  
127 14.4 10.6 15.8  
129 6.9 8.6 13.0#

