

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122921\  
 Data File : VN070370.D  
 Acq On : 30 Dec 2021 2:03  
 Operator : JC/MD  
 Sample : M5241-02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-2S

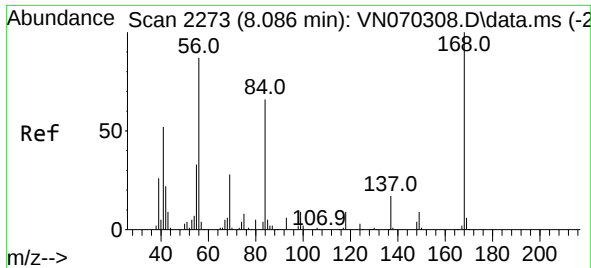
Quant Time: Dec 30 03:17:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122721W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 27 18:47:12 2021  
 Response via : Initial Calibration

| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.088     | 168   | 903092   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.968     | 114   | 1570751  | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.746    | 117   | 1441684  | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.675    | 152   | 491794   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.440     | 65    | 707047   | 54.452   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 61 - 141 | Recovery | = 108.900% |          |
| 35) Dibromofluoromethane    | 8.024     | 113   | 489650   | 51.521   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 69 - 133 | Recovery | = 103.040% |          |
| 50) Toluene-d8              | 10.443    | 98    | 1941058  | 49.996   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 65 - 126 | Recovery | = 100.000% |          |
| 62) 4-Bromofluorobenzene    | 12.731    | 95    | 693928   | 49.487   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 135 | Recovery | = 98.980%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.293     | 43    | 237285   | 28.151   | ug/l       | 100      |
| 20) Methylene Chloride      | 5.098     | 84    | 144508   | 12.391   | ug/l       | 89       |
| 39) Methylcyclohexane       | 9.461     | 83    | 28500    | 1.497    | ug/l #     | 84       |
| 40) Benzene                 | 8.461     | 78    | 642887   | 13.338   | ug/l       | 99       |
| 43) Isopropyl Acetate       | 8.563     | 43    | 136325   | 4.243    | ug/l #     | 87       |
| 67) Ethyl Benzene           | 11.846    | 91    | 134088   | 2.392    | ug/l       | 93       |
| 68) m/p-Xylenes             | 11.958    | 106   | 37518    | 1.839    | ug/l       | 91       |
| 73) Isopropylbenzene        | 12.581    | 105   | 207508   | 4.544    | ug/l       | 98       |
| 78) n-propylbenzene         | 12.921    | 91    | 206194   | 4.075    | ug/l       | 96       |
| 85) sec-Butylbenzene        | 13.503    | 105   | 67139    | 1.535    | ug/l       | 88       |
| -----                       |           |       |          |          |            |          |

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

Quant Time: Dec 30 03:17:14 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122721W.M  
Quant Title : SW846 8260  
QLast Update : Mon Dec 27 18:47:12 2021  
Response via : Initial Calibration

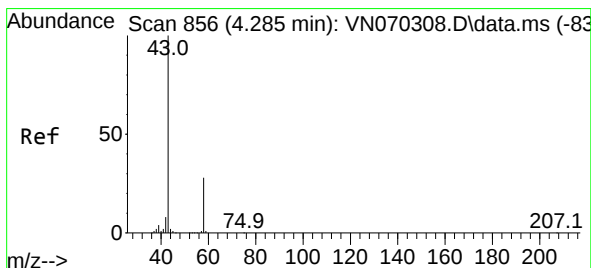
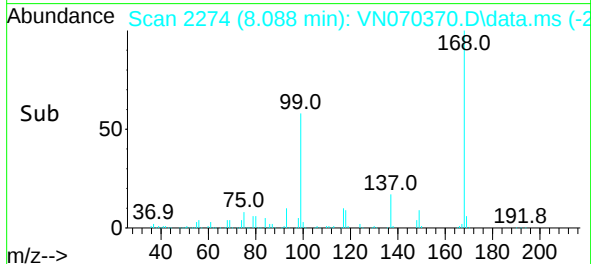
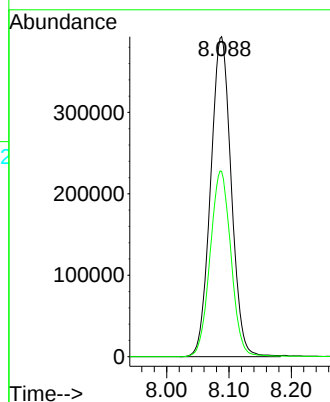
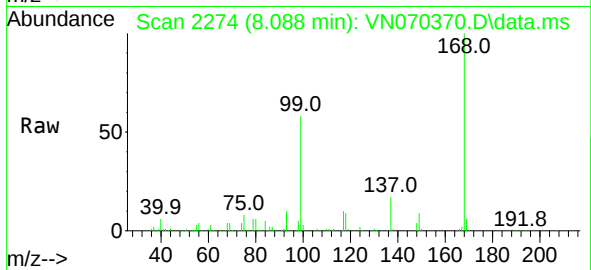




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: VN070370.D  
Acq: 30 Dec 2021 2:03

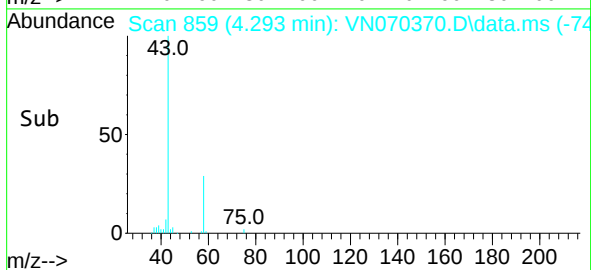
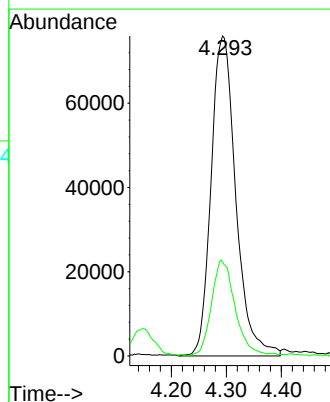
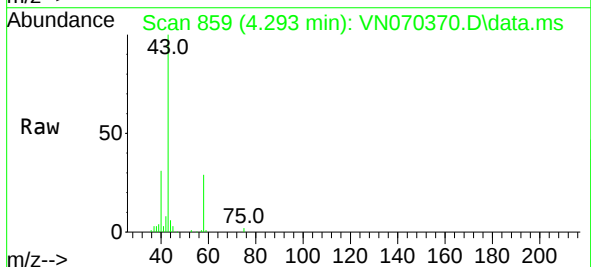
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-2S

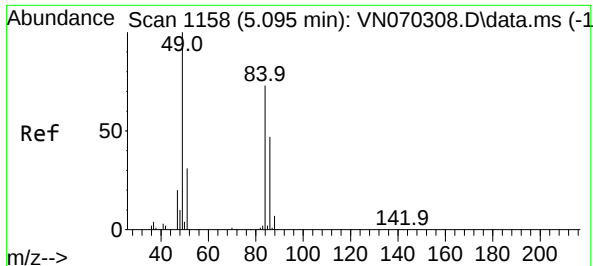
Tgt Ion:168 Resp: 903092  
Ion Ratio Lower Upper  
168 100  
99 57.9 41.3 61.9



#16  
Acetone  
Concen: 28.151 ug/l  
RT: 4.293 min Scan# 859  
Delta R.T. 0.008 min  
Lab File: VN070370.D  
Acq: 30 Dec 2021 2:03

Tgt Ion: 43 Resp: 237285  
Ion Ratio Lower Upper  
43 100  
58 29.0 23.1 34.7

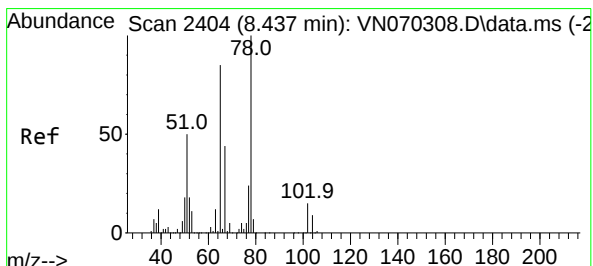
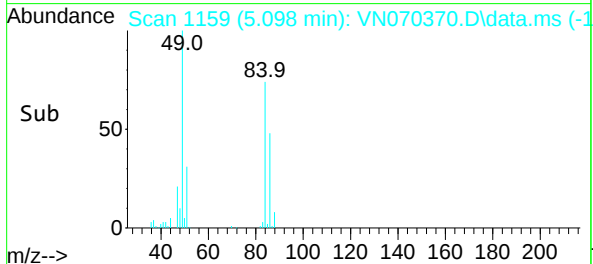
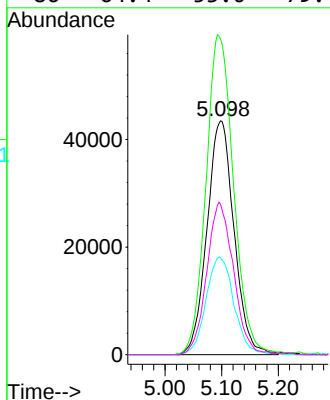
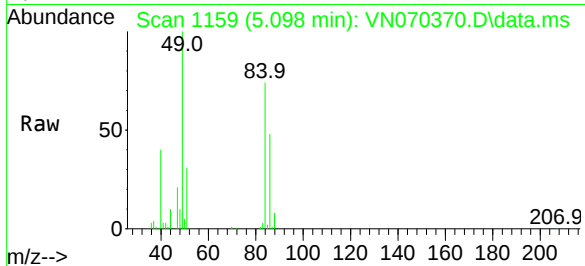




#20  
Methylene Chloride  
Concen: 12.391 ug/l  
RT: 5.098 min Scan# 1158  
Delta R.T. 0.003 min  
Lab File: VN070370.D  
Acq: 30 Dec 2021 2:03

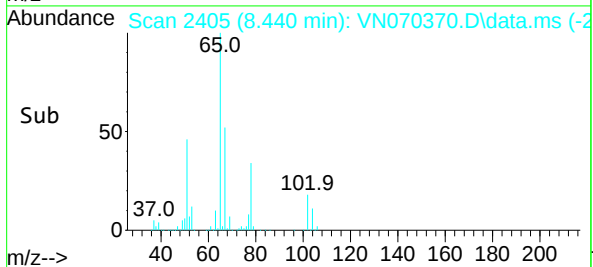
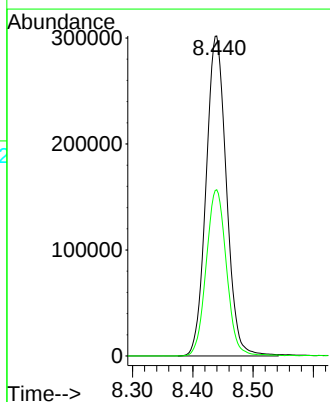
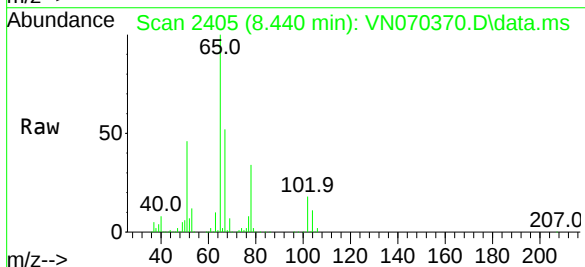
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-2S

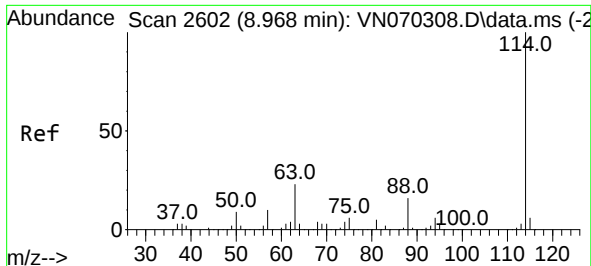
Tgt Ion: 84 Resp: 144508  
Ion Ratio Lower Upper  
84 100  
49 134.5 93.5 140.3  
51 41.5 29.4 44.2  
86 64.4 53.0 79.4



#33  
1,2-Dichloroethane-d4  
Concen: 54.452 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. 0.003 min  
Lab File: VN070370.D  
Acq: 30 Dec 2021 2:03

Tgt Ion: 65 Resp: 707047  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. -0.000 min

Lab File: VN070370.D

Acq: 30 Dec 2021 2:03

Instrument :

MSVOA\_N

ClientSampleId :

TP-2S

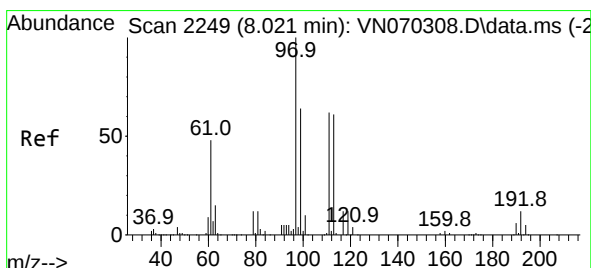
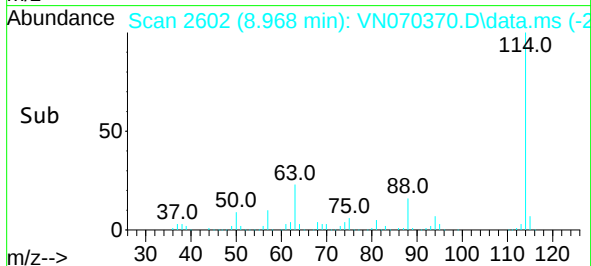
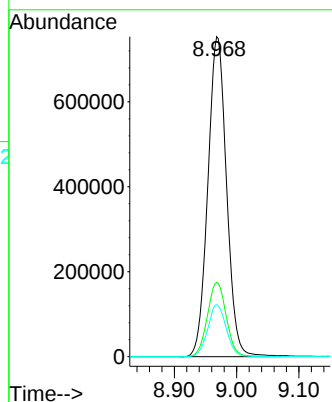
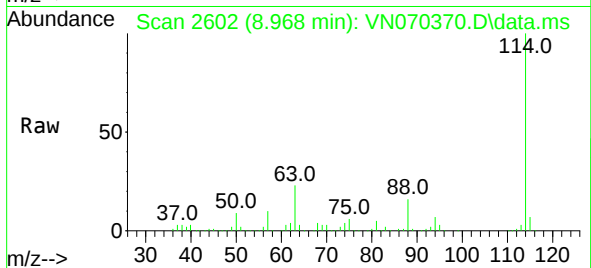
Tgt Ion:114 Resp: 1570751

Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

88 16.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 51.521 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN070370.D

Acq: 30 Dec 2021 2:03

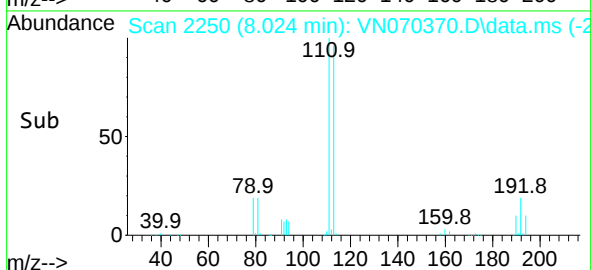
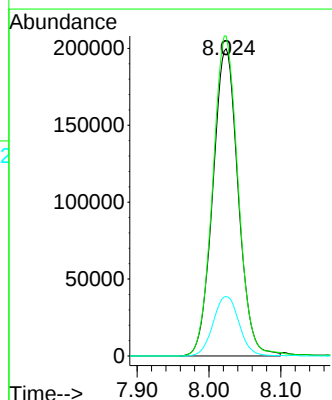
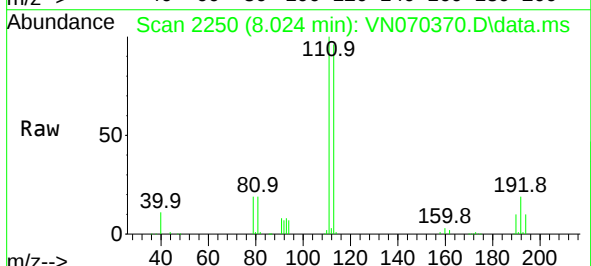
Tgt Ion:113 Resp: 489650

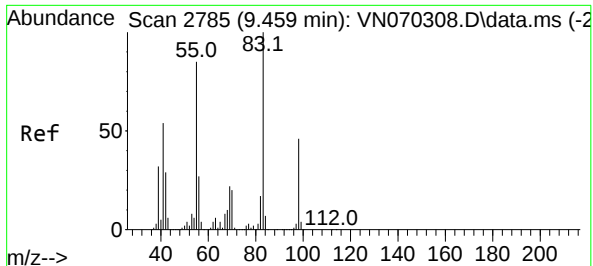
Ion Ratio Lower Upper

113 100

111 104.3 82.2 123.2

192 19.8 16.9 25.3

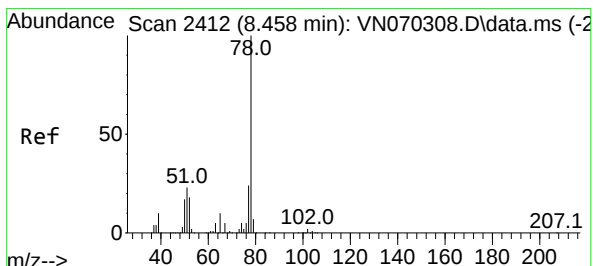
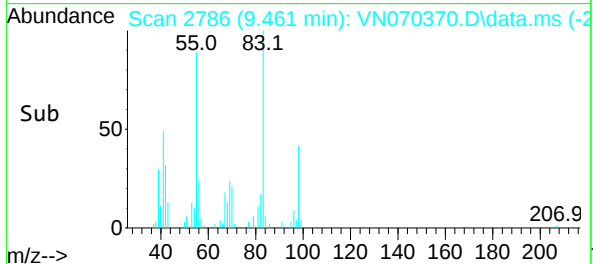
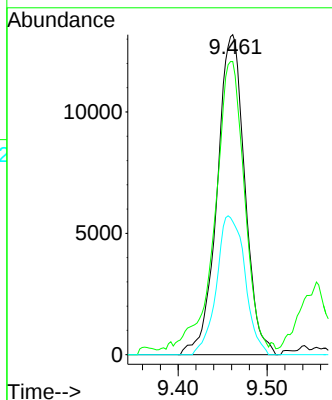
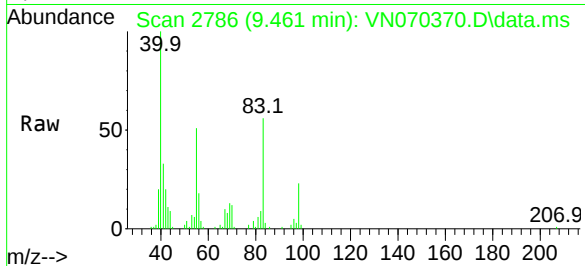




#39  
Methylcyclohexane  
Concen: 1.497 ug/l  
RT: 9.461 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: VN070370.D  
Acq: 30 Dec 2021 2:03

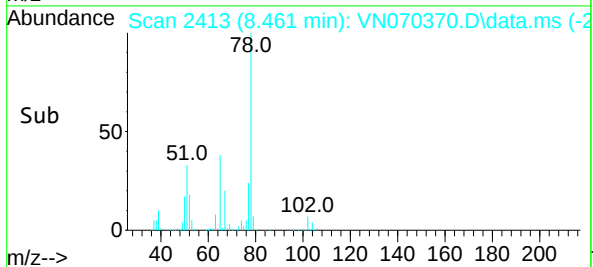
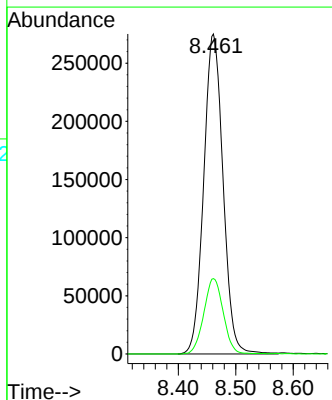
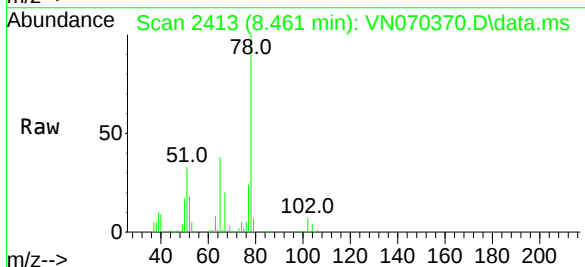
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-2S

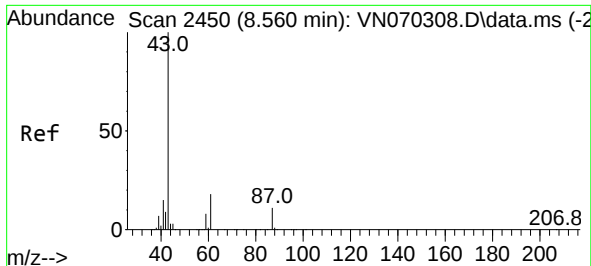
Tgt Ion: 83 Resp: 28500  
Ion Ratio Lower Upper  
83 100  
55 89.6 58.1 87.1#  
98 41.6 38.4 57.6



#40  
Benzene  
Concen: 13.338 ug/l  
RT: 8.461 min Scan# 2413  
Delta R.T. 0.003 min  
Lab File: VN070370.D  
Acq: 30 Dec 2021 2:03

Tgt Ion: 78 Resp: 642887  
Ion Ratio Lower Upper  
78 100  
77 23.5 18.6 27.8

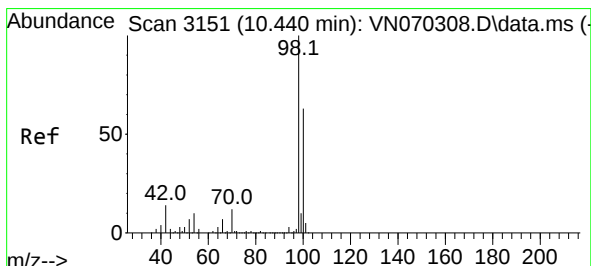
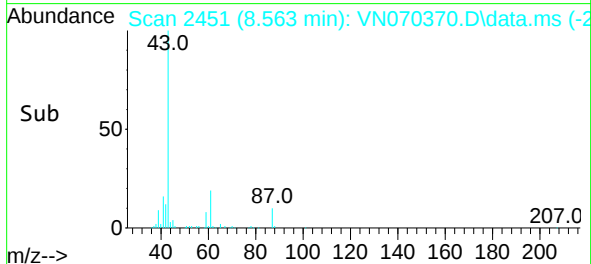
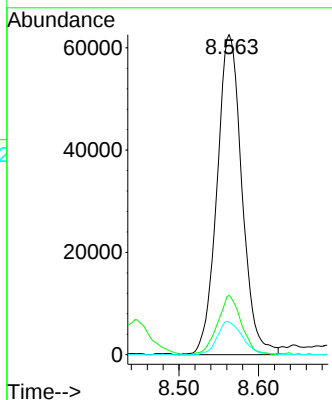
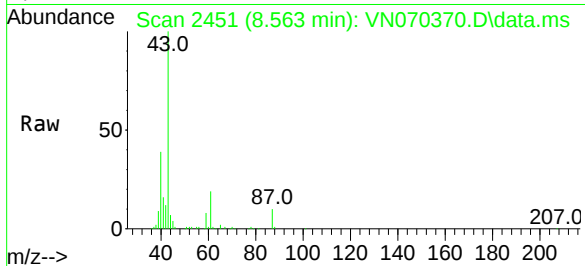




#43  
Isopropyl Acetate  
Concen: 4.243 ug/l  
RT: 8.563 min Scan# 2451  
Delta R.T. 0.003 min  
Lab File: VN070370.D  
Acq: 30 Dec 2021 2:03

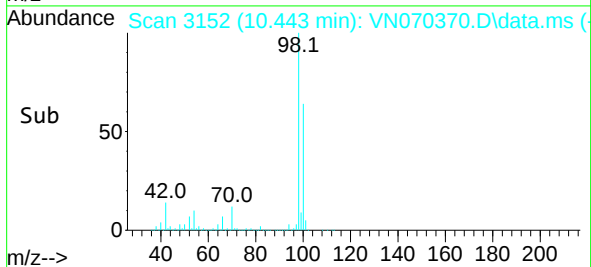
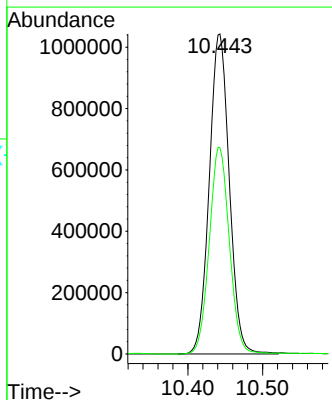
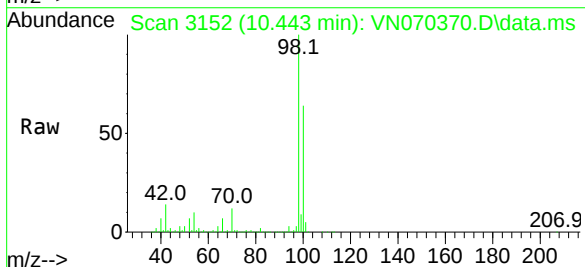
Instrument :  
MSVOA\_N  
ClientSampleId :  
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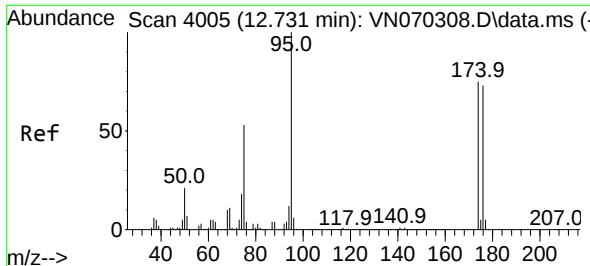
Tgt Ion: 43 Resp: 136325  
Ion Ratio Lower Upper  
43 100  
61 17.7 20.4 30.6#  
87 10.3 11.2 16.8#



#50  
Toluene-d8  
Concen: 49.996 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.003 min  
Lab File: VN070370.D  
Acq: 30 Dec 2021 2:03

Tgt Ion: 98 Resp: 1941058  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.4 75.6

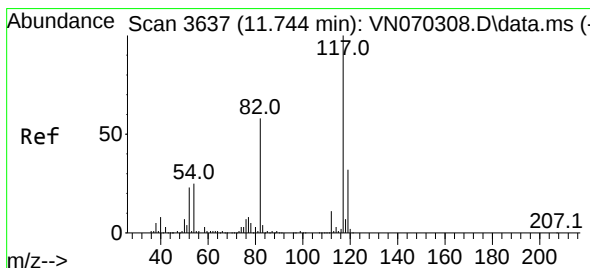
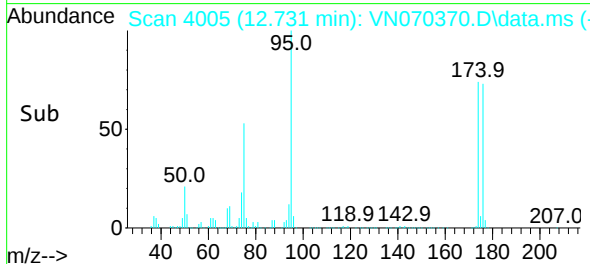
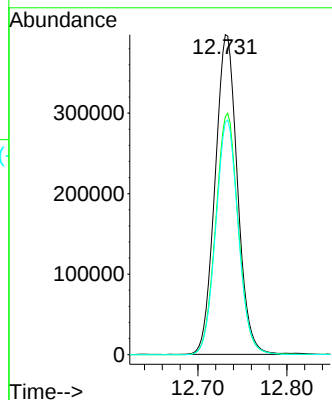
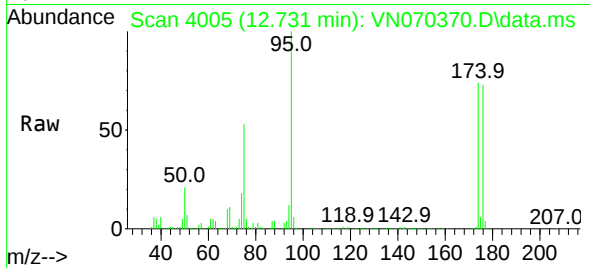




#62  
4-Bromofluorobenzene  
Concen: 49.487 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.000 min  
Lab File: VN070370.D  
Acq: 30 Dec 2021 2:03

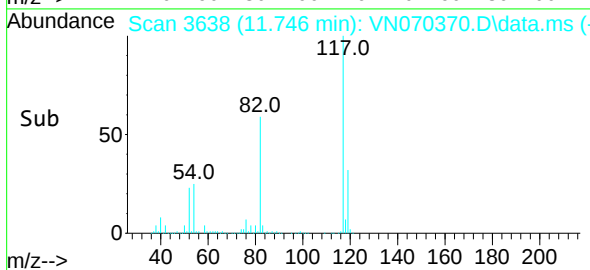
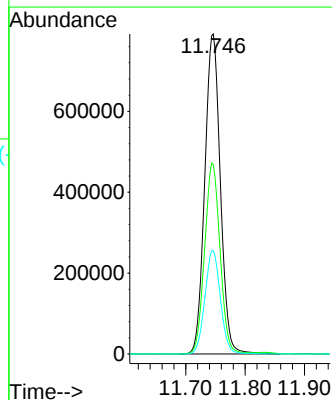
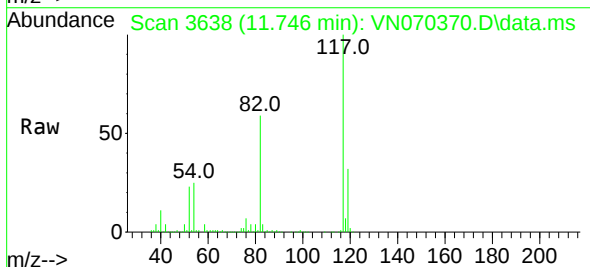
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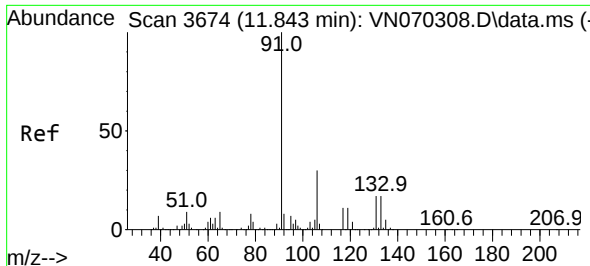
Tgt Ion: 95 Resp: 693928  
Ion Ratio Lower Upper  
95 100  
174 76.4 0.0 187.2  
176 73.9 0.0 181.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. 0.002 min  
Lab File: VN070370.D  
Acq: 30 Dec 2021 2:03

Tgt Ion: 117 Resp: 1441684  
Ion Ratio Lower Upper  
117 100  
82 59.2 42.4 63.6  
119 32.3 25.4 38.2

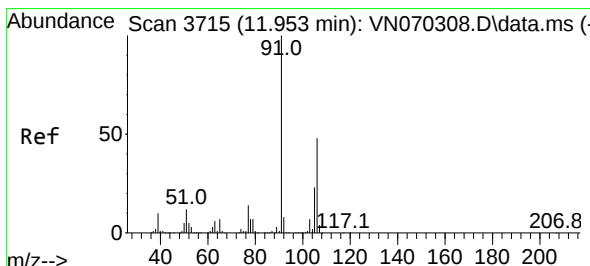
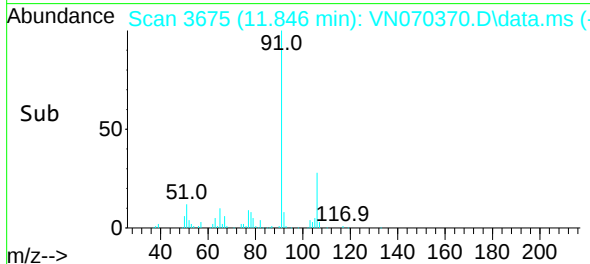
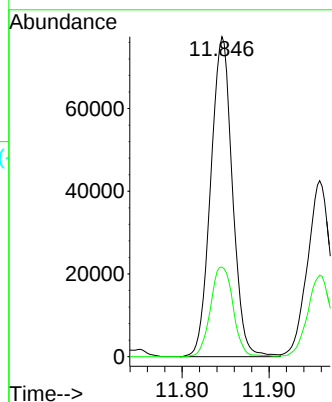
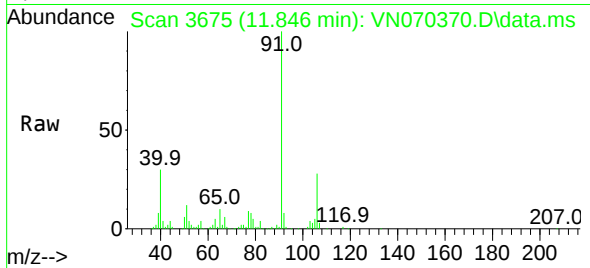




#67  
Ethyl Benzene  
Concen: 2.392 ug/l  
RT: 11.846 min Scan# 3674  
Delta R.T. 0.003 min  
Lab File: VN070370.D  
Acq: 30 Dec 2021 2:03

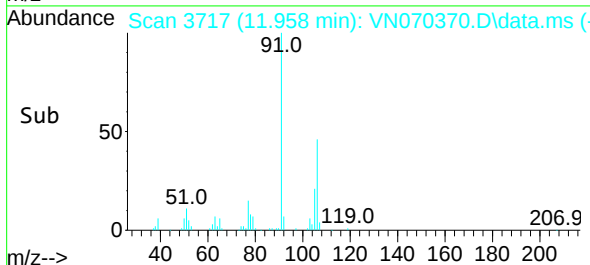
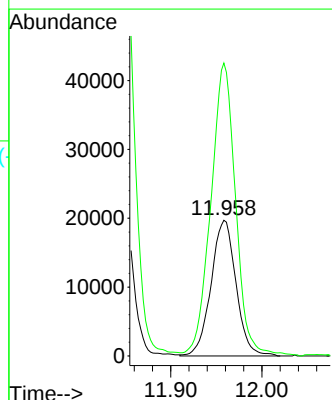
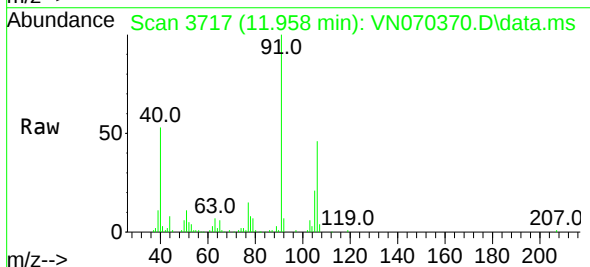
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-2S

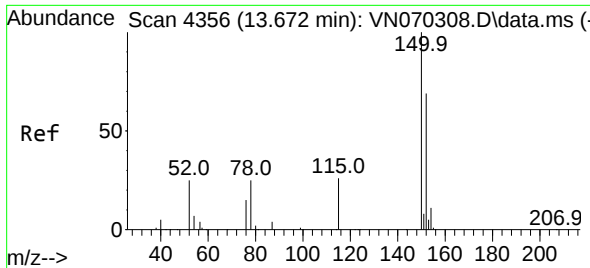
Tgt Ion: 91 Resp: 134088  
Ion Ratio Lower Upper  
91 100  
106 28.0 25.7 38.5



#68  
m/p-Xylenes  
Concen: 1.839 ug/l  
RT: 11.958 min Scan# 3717  
Delta R.T. 0.005 min  
Lab File: VN070370.D  
Acq: 30 Dec 2021 2:03

Tgt Ion: 106 Resp: 37518  
Ion Ratio Lower Upper  
106 100  
91 214.3 160.6 240.8

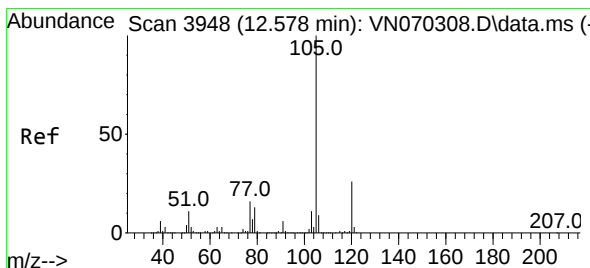
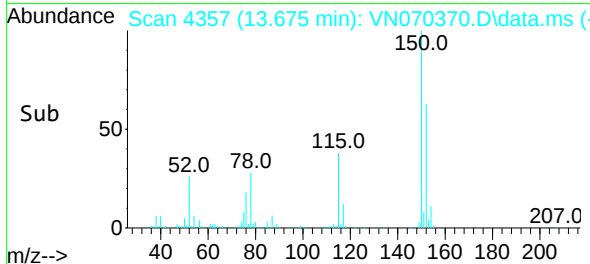
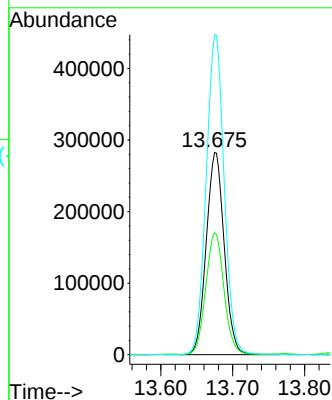
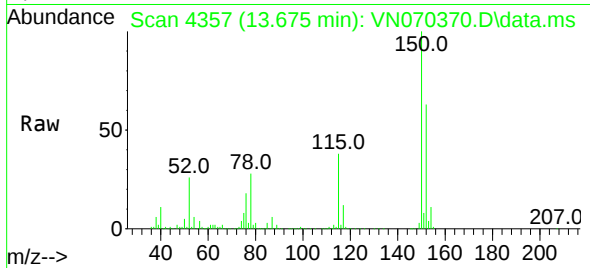




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.675 min Scan# 41  
 Delta R.T. 0.003 min  
 Lab File: VN070370.D  
 Acq: 30 Dec 2021 2:03

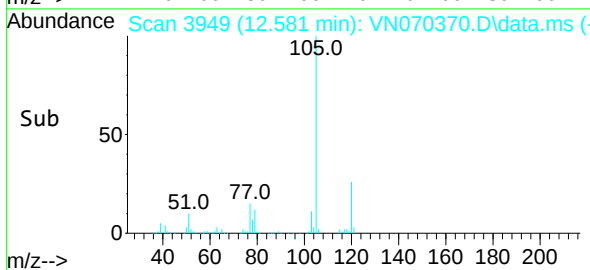
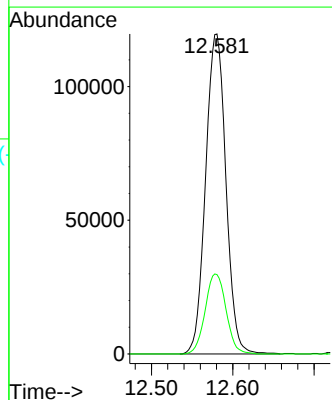
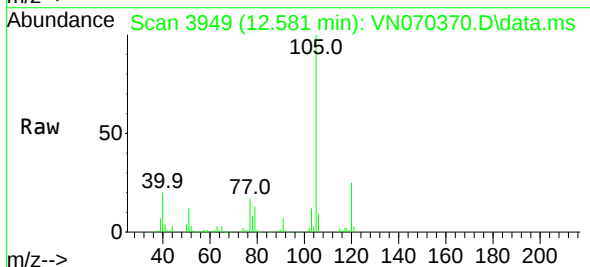
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-2S

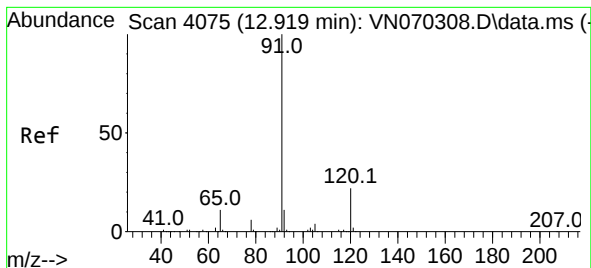
Tgt Ion:152 Resp: 491794  
 Ion Ratio Lower Upper  
 152 100  
 115 60.7 27.5 82.5  
 150 158.2 0.0 344.4



#73  
 Isopropylbenzene  
 Concen: 4.544 ug/l  
 RT: 12.581 min Scan# 3949  
 Delta R.T. 0.003 min  
 Lab File: VN070370.D  
 Acq: 30 Dec 2021 2:03

Tgt Ion:105 Resp: 207508  
 Ion Ratio Lower Upper  
 105 100  
 120 25.7 13.4 40.1





#78

n-propylbenzene

Concen: 4.075 ug/l

RT: 12.921 min Scan# 4075

Delta R.T. 0.002 min

Lab File: VN070370.D

Acq: 30 Dec 2021 2:03

Instrument :

MSVOA\_N

ClientSampleId :

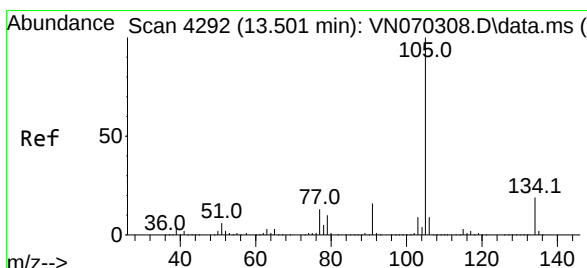
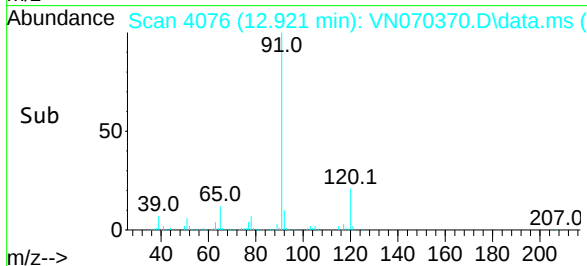
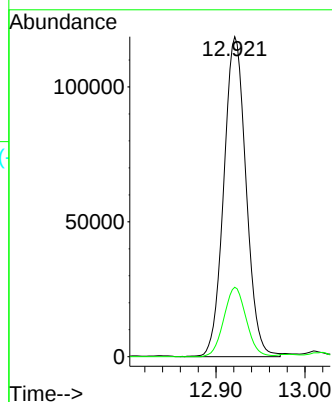
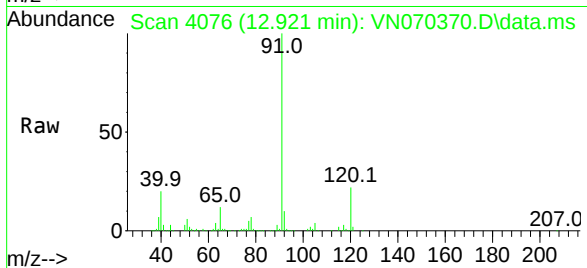
TP-2S

Tgt Ion: 91 Resp: 206194

Ion Ratio Lower Upper

91 100

120 21.8 11.9 35.9



#85

sec-Butylbenzene

Concen: 1.535 ug/l

RT: 13.503 min Scan# 4293

Delta R.T. 0.002 min

Lab File: VN070370.D

Acq: 30 Dec 2021 2:03

Tgt Ion: 105 Resp: 67139

Ion Ratio Lower Upper

105 100

134 26.4 10.4 31.1

