

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120621\  
 Data File : VN069800.D  
 Acq On : 6 Dec 2021 22:19  
 Operator : JC/MD  
 Sample : M4932-01 10X  
 Misc : 4.99g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DRUM1-2DL

Quant Time: Dec 07 03:51:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 03 08:46:47 2021  
 Response via : Initial Calibration

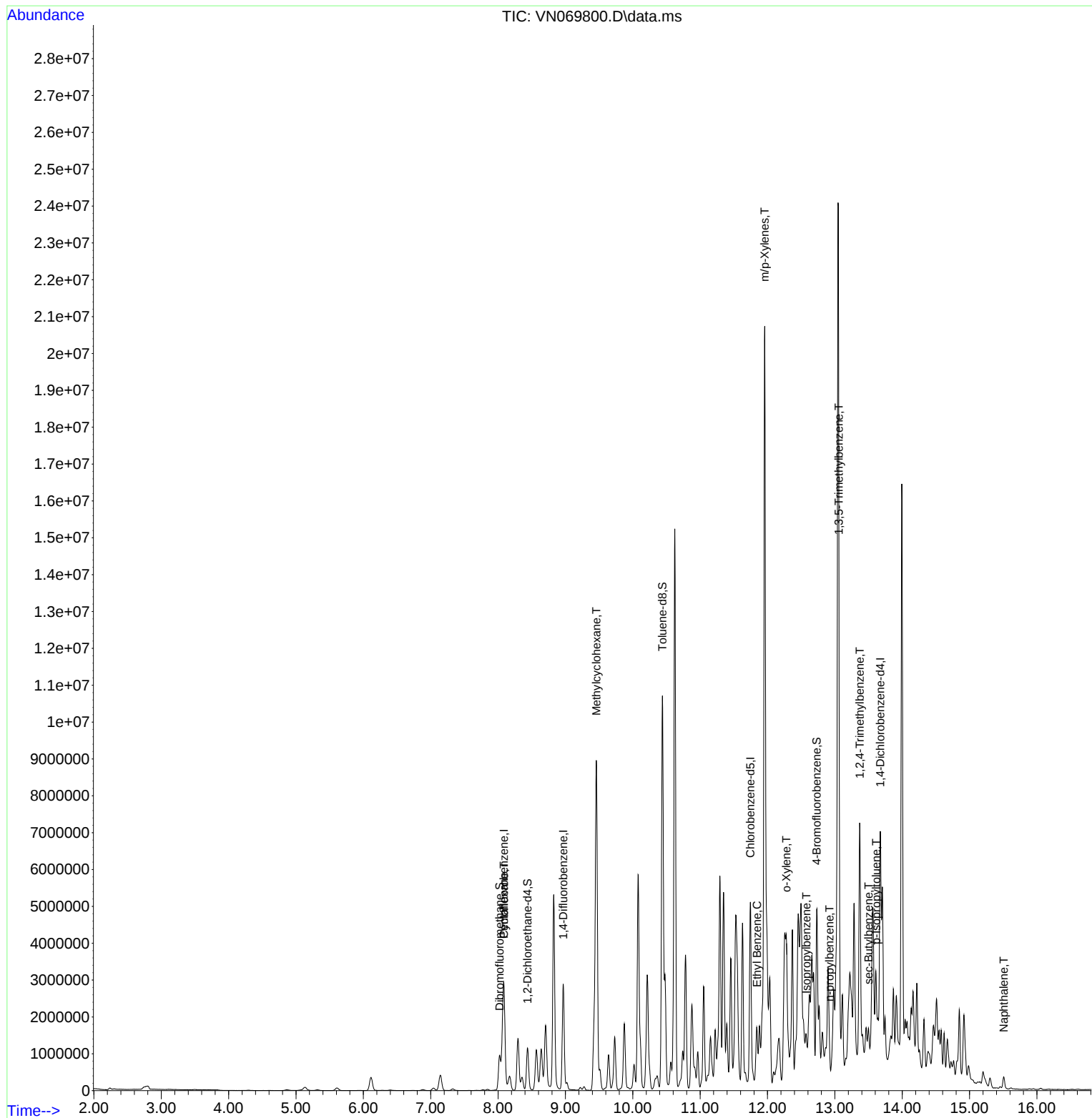
| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.086          | 168  | 1365774    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.968          | 114  | 2377328    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.746         | 117  | 2665142    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.675         | 152  | 1239746    | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.437          | 65   | 981201     | 46.530   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 93.060%  |        |          |
| 35) Dibromofluoromethane    | 8.021          | 113  | 676034     | 45.399   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 90.800%  |        |          |
| 50) Toluene-d8              | 10.440         | 98   | 3394561    | 56.772   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 113.540% |        |          |
| 62) 4-Bromofluorobenzene    | 12.731         | 95   | 1409917    | 65.088   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 130.180% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        |          |
| 31) Cyclohexane             | 8.086          | 56   | 601289m    | 20.489   | ug/l   | Qvalue   |
| 39) Methylcyclohexane       | 9.459          | 83   | 3780920    | 140.453  | ug/l   | 90       |
| 67) Ethyl Benzene           | 11.846         | 91   | 148301     | 1.510    | ug/l   | 94       |
| 68) m/p-Xylenes             | 11.958         | 106  | 323585     | 9.049    | ug/l   | 91       |
| 69) o-Xylene                | 12.280         | 106  | 746822     | 20.733   | ug/l   | 90       |
| 73) Isopropylbenzene        | 12.578         | 105  | 152963     | 1.387    | ug/l   | 99       |
| 78) n-propylbenzene         | 12.921         | 91   | 274321     | 2.235    | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene  | 13.061         | 105  | 577270     | 6.502    | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.369         | 105  | 3594033    | 42.507   | ug/l   | 97       |
| 85) sec-Butylbenzene        | 13.501         | 105  | 222873     | 2.090    | ug/l # | 76       |
| 86) p-Isopropyltoluene      | 13.616         | 119  | 518710     | 6.223    | ug/l   | 96       |
| 95) Naphthalene             | 15.507         | 128  | 301428     | 8.564    | ug/l   | 99       |
| -----                       |                |      |            |          |        |          |

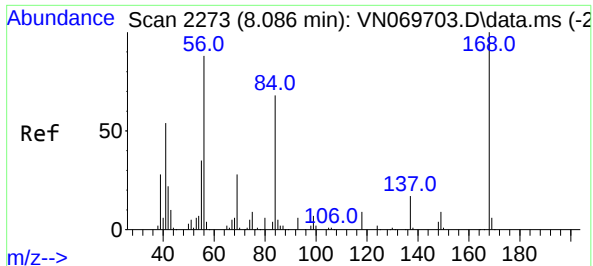
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120621\  
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Instrument :  
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QLast Update : Fri Dec 03 08:46:47 2021  
Response via : Initial Calibration

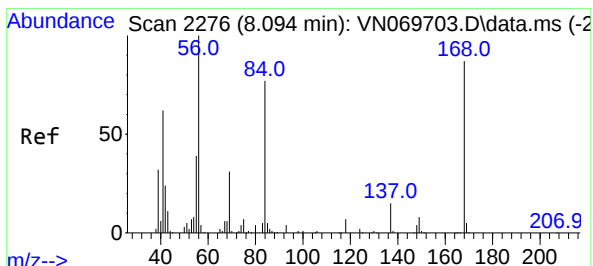
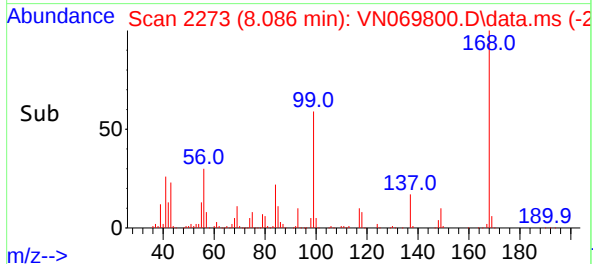
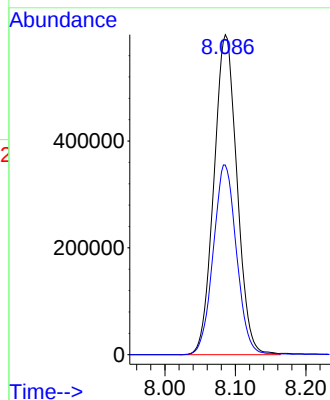
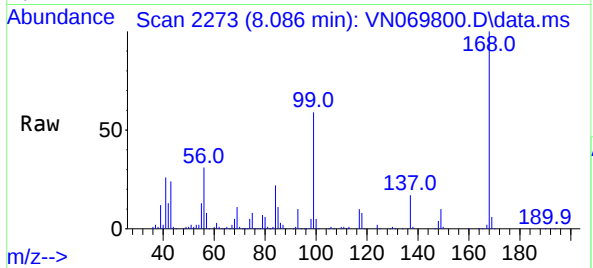




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.000 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19

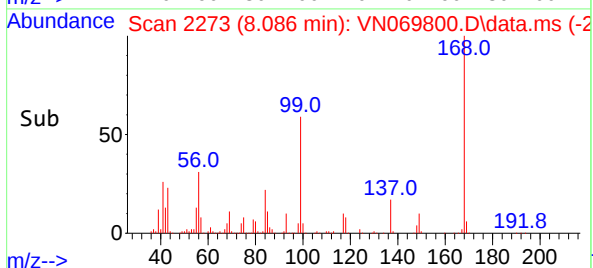
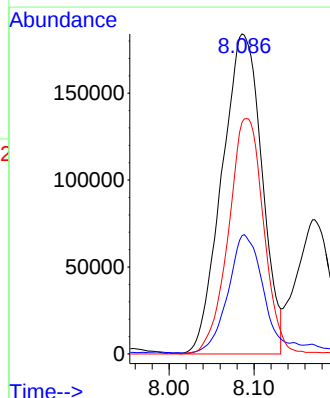
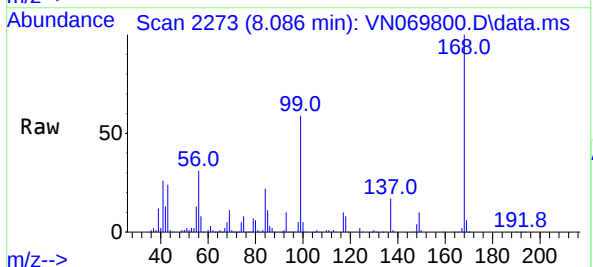
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MSVOA\_N  
ClientSampleId :  
DRUM1-2DL

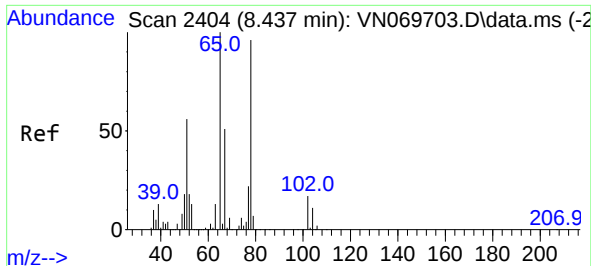
Tgt Ion:168 Resp: 1365774  
Ion Ratio Lower Upper  
168 100  
99 59.3 41.3 61.9



#31  
Cyclohexane  
Concen: 20.489 ug/l m  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.008 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19

Tgt Ion: 56 Resp: 601289  
Ion Ratio Lower Upper  
56 100  
69 37.0 27.1 40.7  
84 72.4 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 46.530 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN069800.D

Acq: 6 Dec 2021 22:19

Instrument :

MSVOA\_N

ClientSampleId :

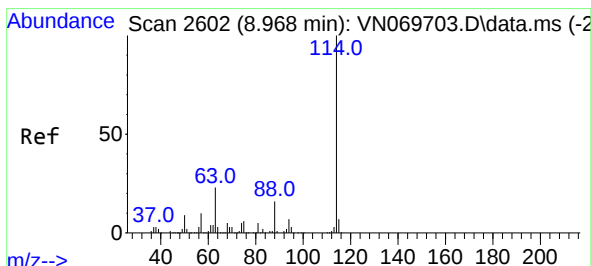
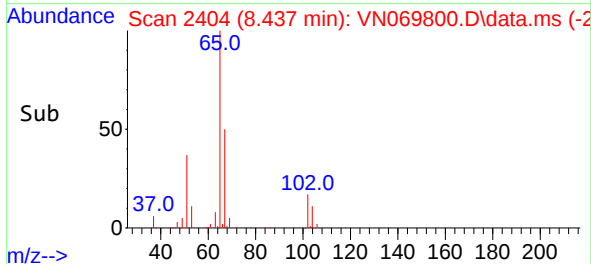
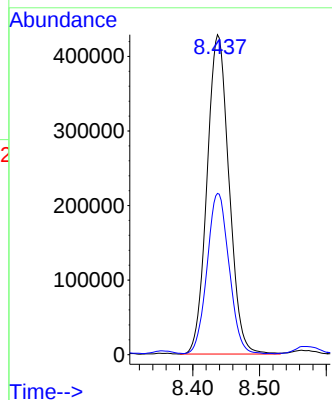
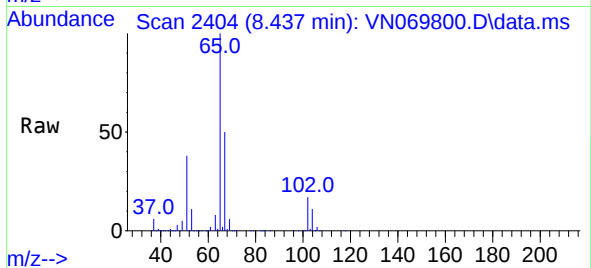
DRUM1-2DL

Tgt Ion: 65 Resp: 981201

Ion Ratio Lower Upper

65 100

67 50.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069800.D

Acq: 6 Dec 2021 22:19

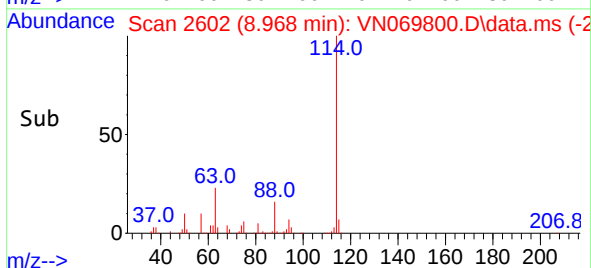
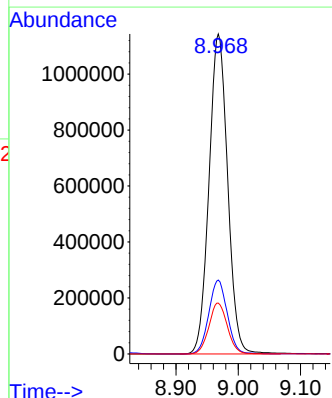
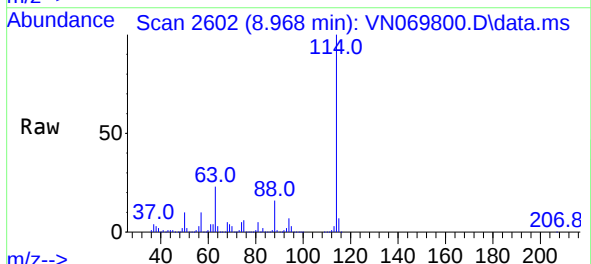
Tgt Ion:114 Resp: 2377328

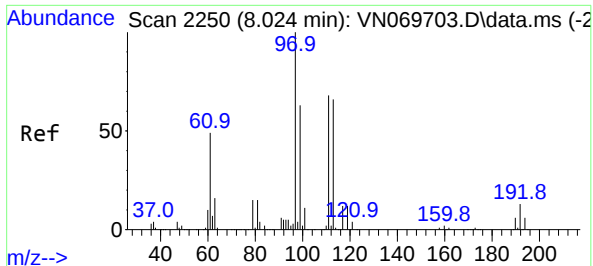
Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.8

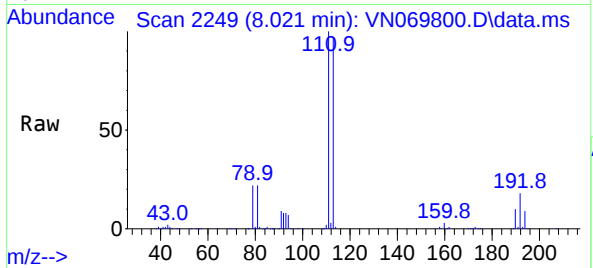
88 15.9 0.0 27.4



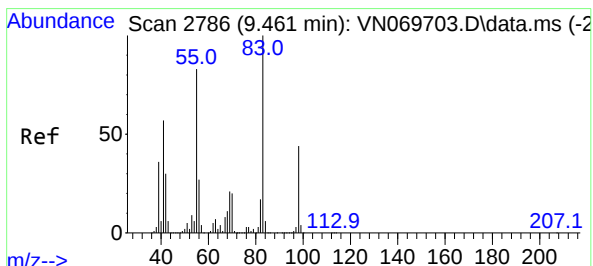
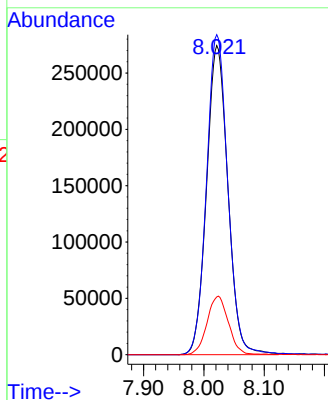
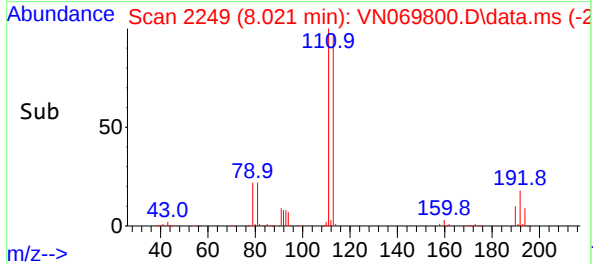


#35  
Dibromofluoromethane  
Concen: 45.399 ug/l  
RT: 8.021 min Scan# 211  
Delta R.T. -0.003 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19

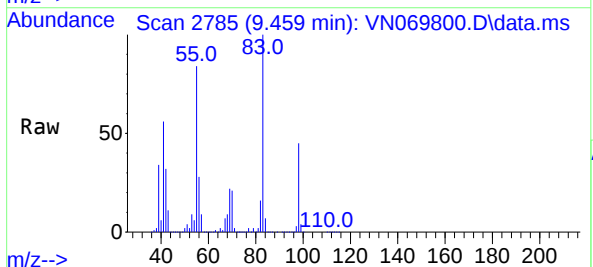
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2DL



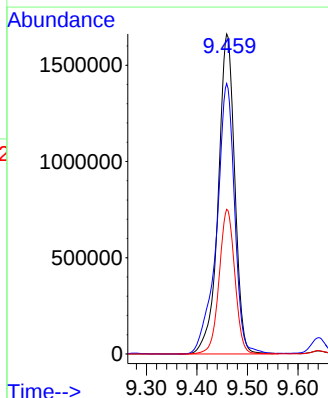
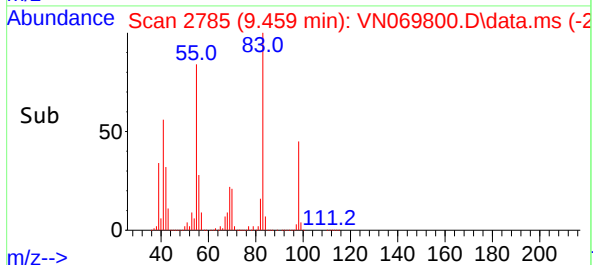
Tgt Ion:113 Resp: 676034  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.2 123.2  
192 18.9 16.9 25.3

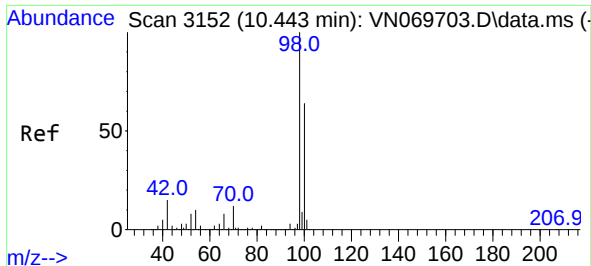


#39  
Methylcyclohexane  
Concen: 140.453 ug/l  
RT: 9.459 min Scan# 2785  
Delta R.T. -0.003 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19



Tgt Ion: 83 Resp: 3780920  
Ion Ratio Lower Upper  
83 100  
55 84.5 58.1 87.1  
98 45.2 38.4 57.6

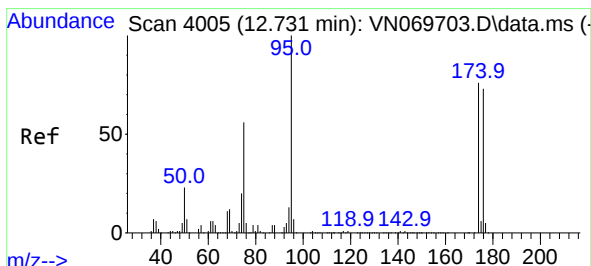
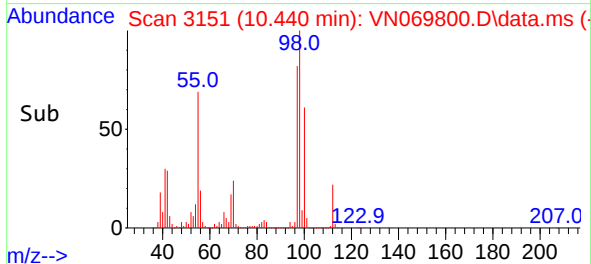
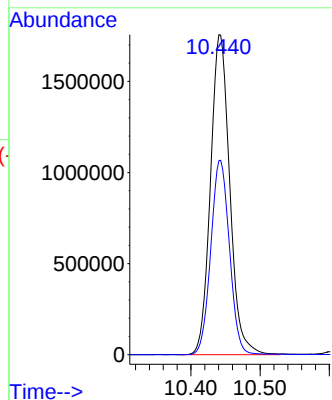
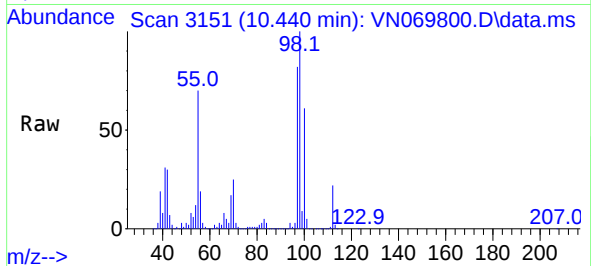




#50  
Toluene-d8  
Concen: 56.772 ug/l  
RT: 10.440 min Scan# 3152  
Delta R.T. -0.003 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19

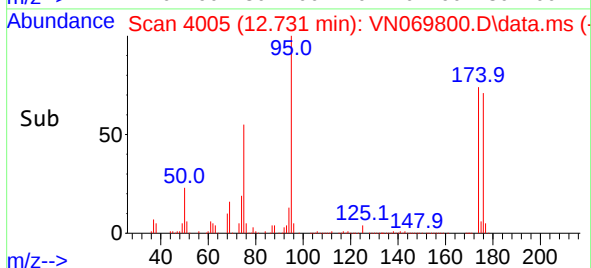
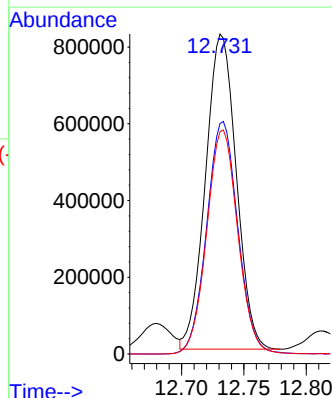
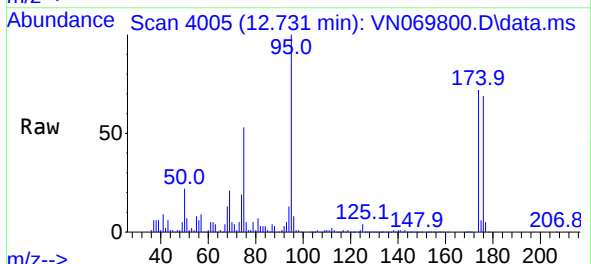
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2DL

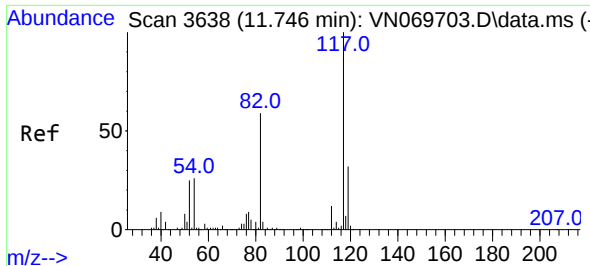
Tgt Ion: 98 Resp: 3394561  
Ion Ratio Lower Upper  
98 100  
100 58.7 50.4 75.6



#62  
4-Bromofluorobenzene  
Concen: 65.088 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.000 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19

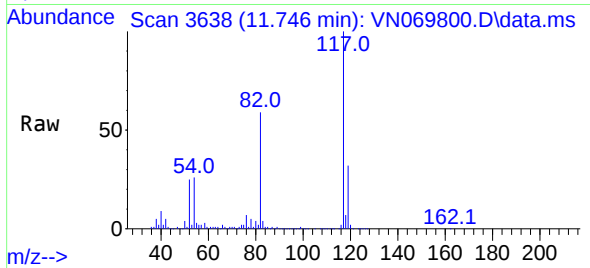
Tgt Ion: 95 Resp: 1409917  
Ion Ratio Lower Upper  
95 100  
174 75.1 0.0 187.2  
176 71.9 0.0 181.4





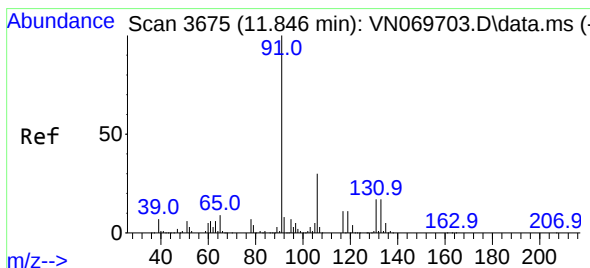
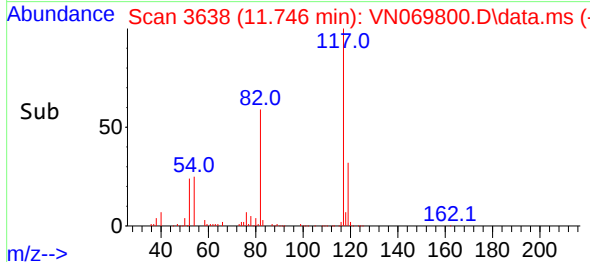
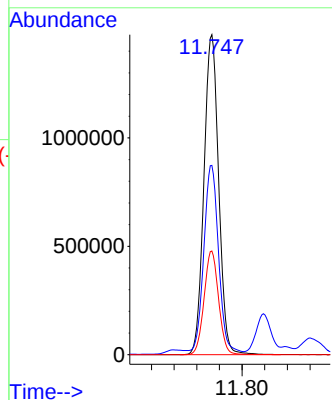
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Tgt Ion:117 Resp: 2665142

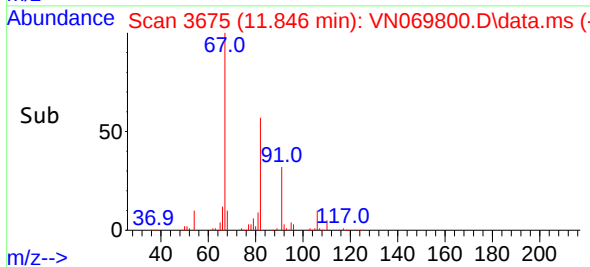
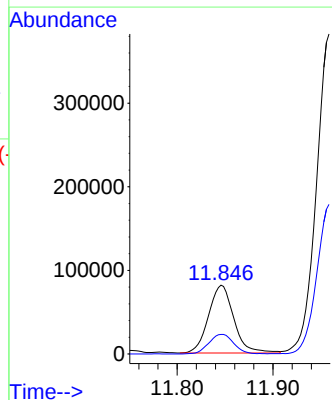
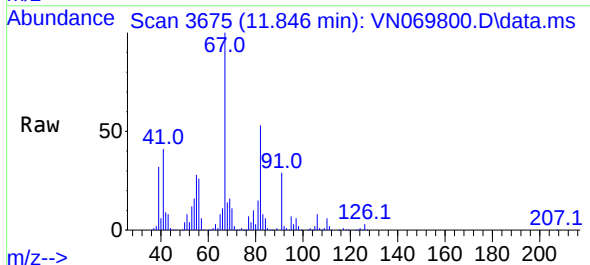
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 57.7  | 42.4  | 63.6  |
| 119 | 32.4  | 25.4  | 38.2  |

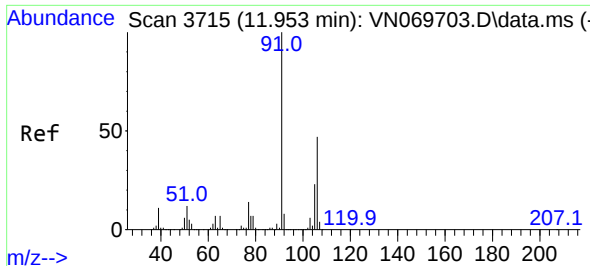


#67  
Ethyl Benzene  
Concen: 1.510 ug/l  
RT: 11.846 min Scan# 3675  
Delta R.T. 0.000 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19

Tgt Ion: 91 Resp: 148301

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 106 | 28.9  | 25.7  | 38.5  |

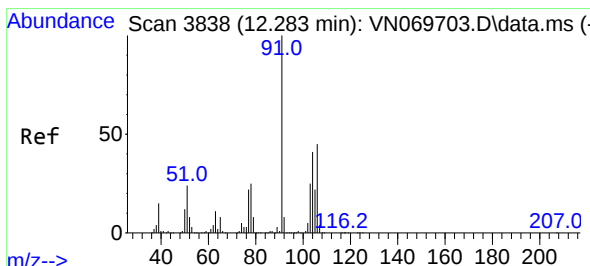
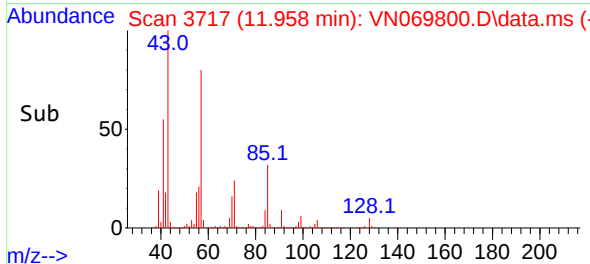
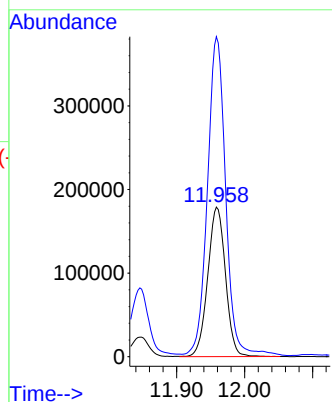
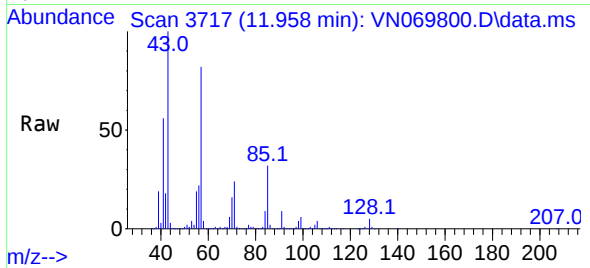




#68  
m/p-Xylenes  
Concen: 9.049 ug/l  
RT: 11.958 min Scan# 31  
Delta R.T. 0.005 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19

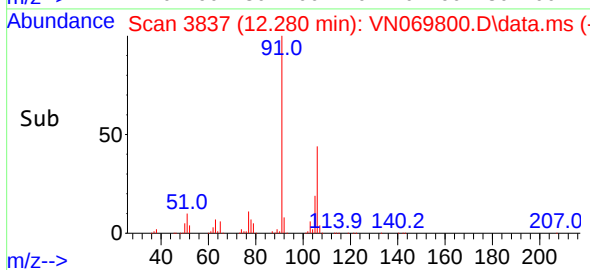
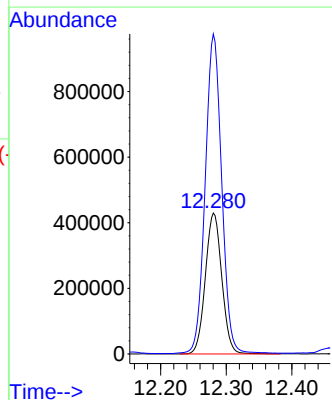
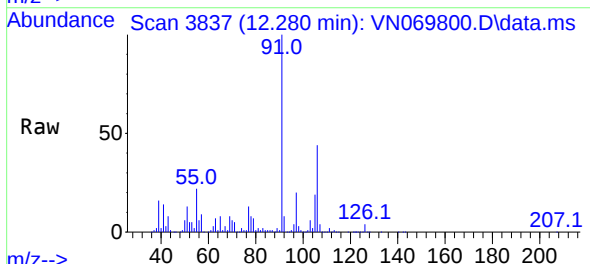
Instrument :  
MSVOA\_N  
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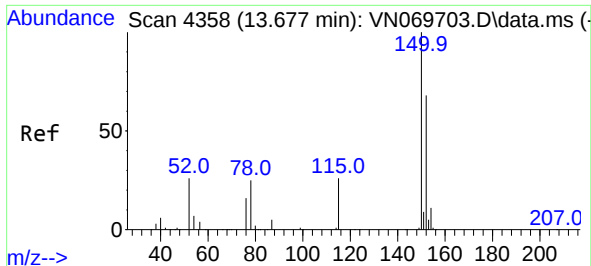
Tgt Ion:106 Resp: 323585  
Ion Ratio Lower Upper  
106 100  
91 213.7 160.6 240.8



#69  
o-Xylene  
Concen: 20.733 ug/l  
RT: 12.280 min Scan# 3837  
Delta R.T. -0.003 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19

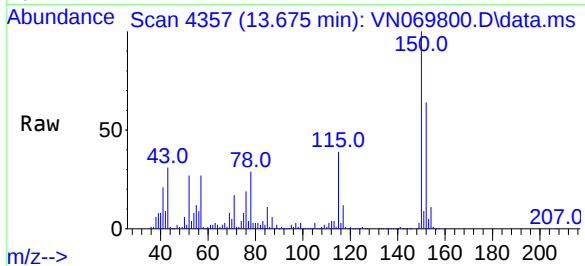
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Ion Ratio Lower Upper  
106 100  
91 227.4 105.8 317.3



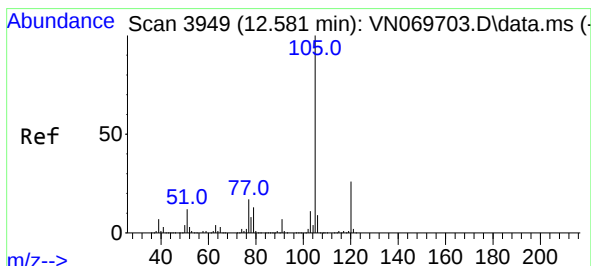
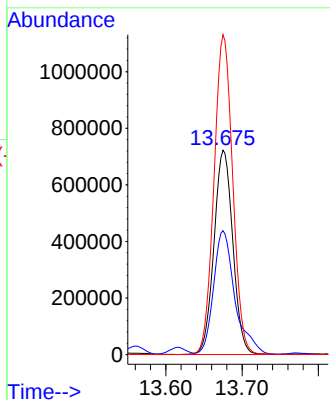
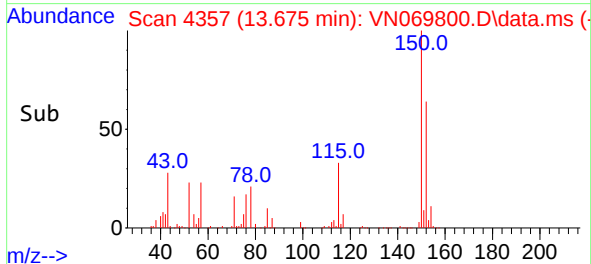


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.675 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2DL

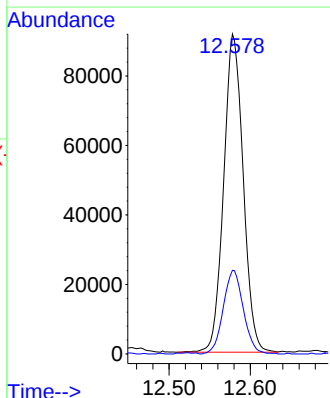
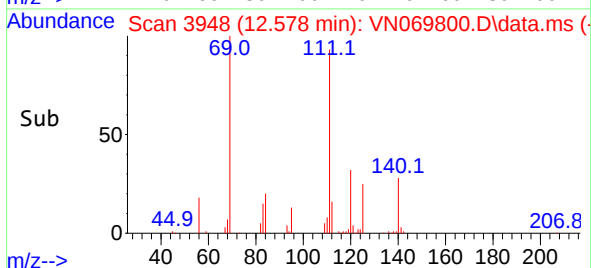
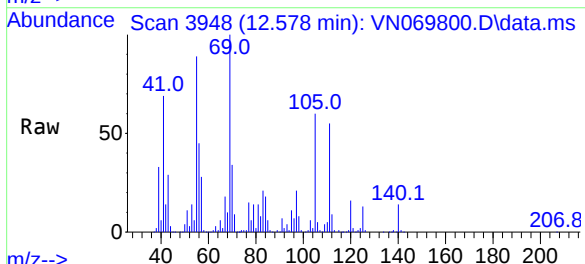


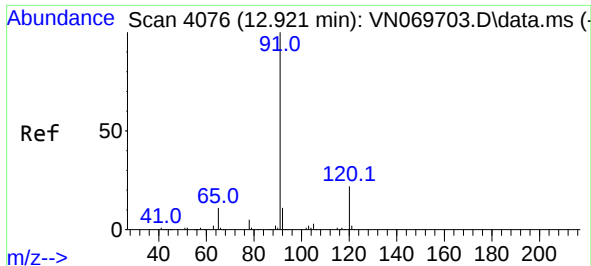
Tgt Ion:152 Resp: 1239746  
Ion Ratio Lower Upper  
152 100  
115 68.6 27.5 82.5  
150 155.4 0.0 344.4



#73  
Isopropylbenzene  
Concen: 1.387 ug/l  
RT: 12.578 min Scan# 3948  
Delta R.T. -0.003 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19

Tgt Ion:105 Resp: 152963  
Ion Ratio Lower Upper  
105 100  
120 27.0 13.4 40.1

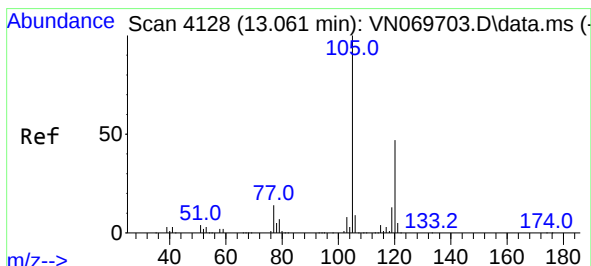
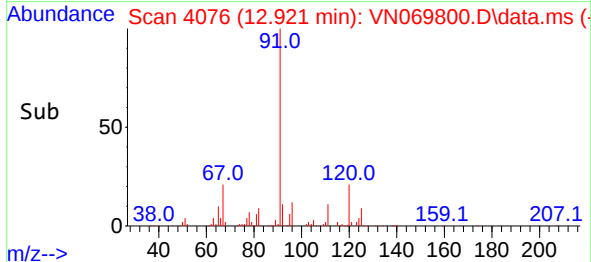
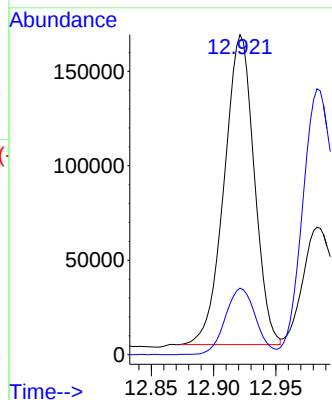
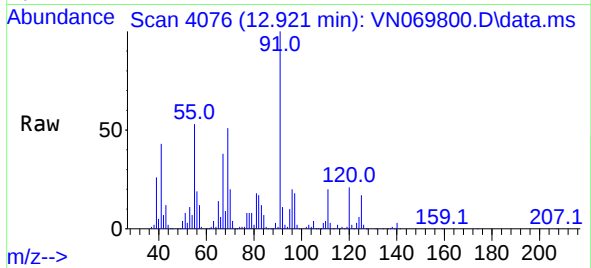




#78  
n-propylbenzene  
Concen: 2.235 ug/l  
RT: 12.921 min Scan# 4076  
Delta R.T. 0.000 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19

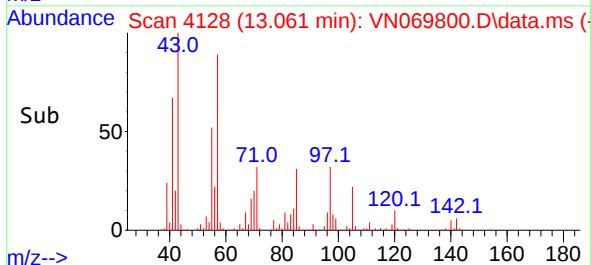
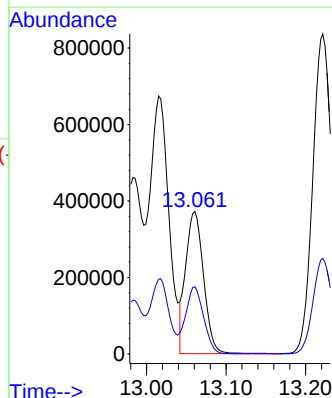
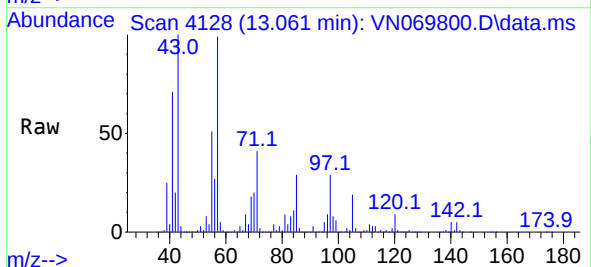
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2DL

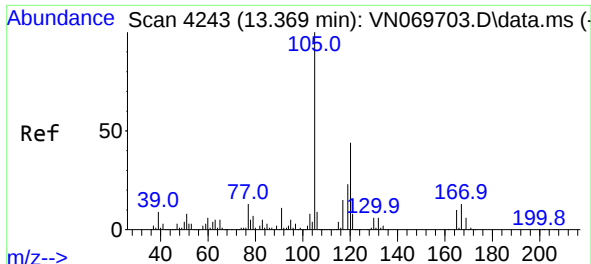
Tgt Ion: 91 Resp: 274321  
Ion Ratio Lower Upper  
91 100  
120 21.6 11.9 35.9



#80  
1,3,5-Trimethylbenzene  
Concen: 6.502 ug/l  
RT: 13.061 min Scan# 4128  
Delta R.T. 0.000 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19

Tgt Ion: 105 Resp: 577270  
Ion Ratio Lower Upper  
105 100  
120 48.0 24.6 73.6

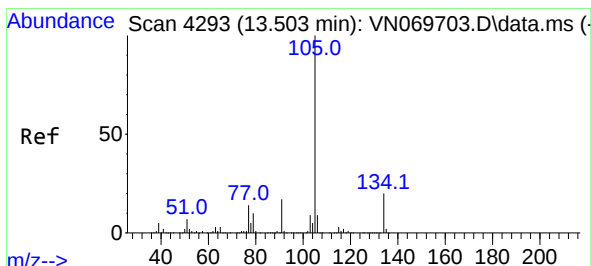
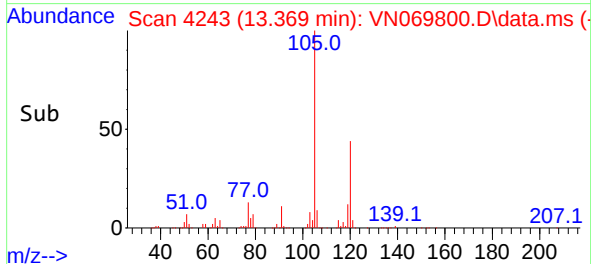
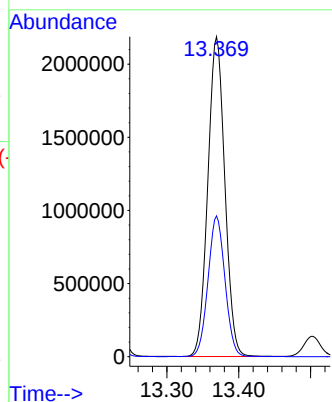
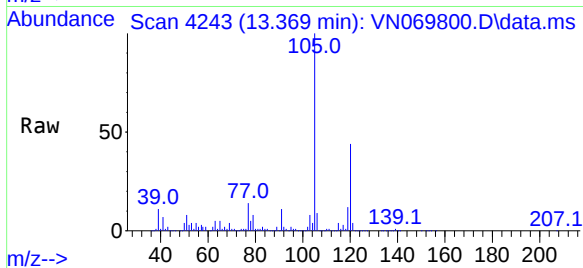




#84  
1,2,4-Trimethylbenzene  
Concen: 42.507 ug/l  
RT: 13.369 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19

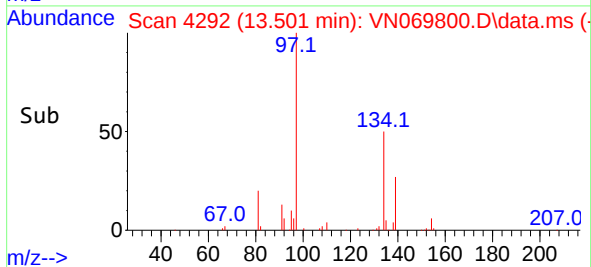
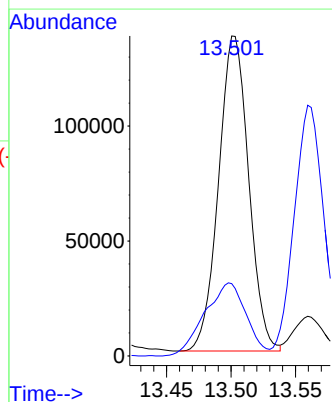
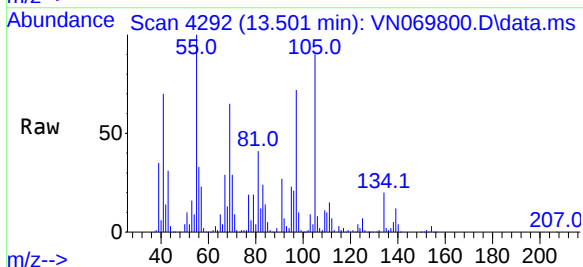
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2DL

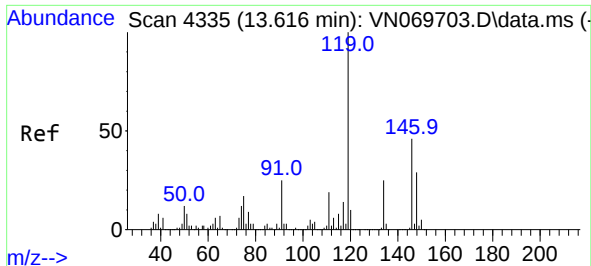
Tgt Ion:105 Resp: 3594033  
Ion Ratio Lower Upper  
105 100  
120 43.9 22.8 68.4



#85  
sec-Butylbenzene  
Concen: 2.090 ug/l  
RT: 13.501 min Scan# 4292  
Delta R.T. -0.003 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19

Tgt Ion:105 Resp: 222873  
Ion Ratio Lower Upper  
105 100  
134 32.0 10.4 31.1#

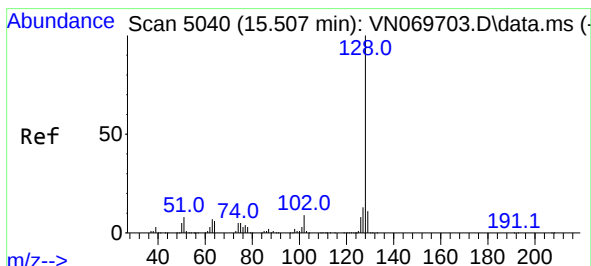
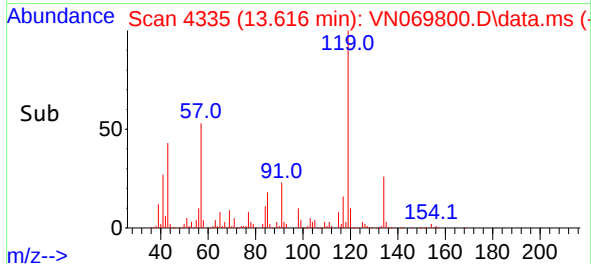
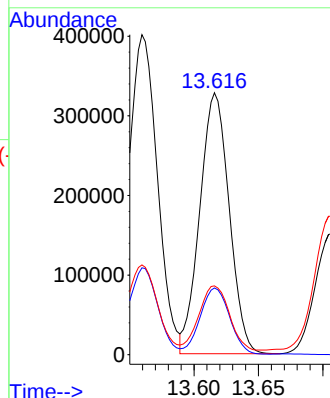
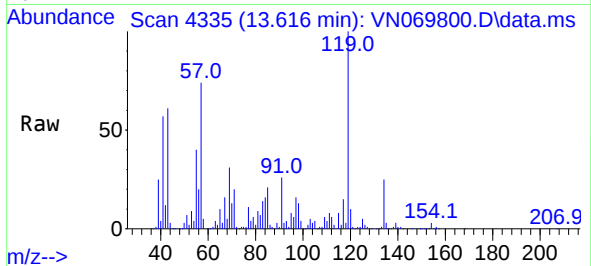




#86  
p-Isopropyltoluene  
Concen: 6.223 ug/l  
RT: 13.616 min Scan# 4335  
Delta R.T. 0.000 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2DL

Tgt Ion:119 Resp: 518710  
Ion Ratio Lower Upper  
119 100  
134 25.6 13.6 40.7  
91 25.0 11.4 34.1



#95  
Naphthalene  
Concen: 8.564 ug/l  
RT: 15.507 min Scan# 5040  
Delta R.T. -0.000 min  
Lab File: VN069800.D  
Acq: 6 Dec 2021 22:19

Tgt Ion:128 Resp: 301428  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.5 15.7  
129 10.3 8.7 13.1

