

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112421\  
 Data File : VX025339.D  
 Acq On : 24 Nov 2021 20:06  
 Operator : JC/MD  
 Sample : M4830-10  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 30930

Quant Time: Nov 26 10:39:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 17 15:36:16 2021  
 Response via : Initial Calibration

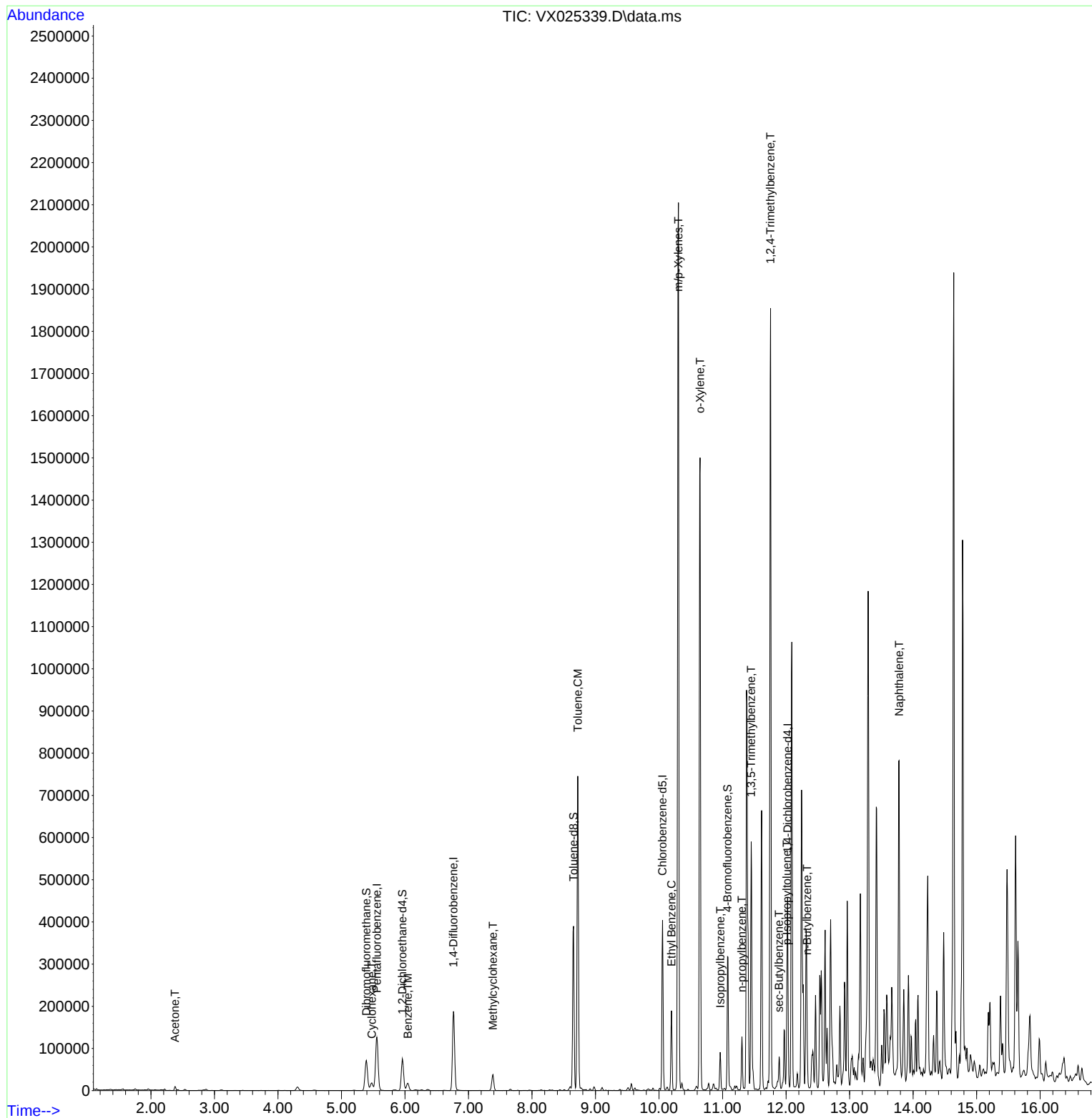
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.556  | 168   | 131121   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 204262   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 182742   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 90416    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 68157    | 49.314   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 98.620%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 62001    | 49.471   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 98.940%  |
| 50) Toluene-d8              | 8.653  | 98    | 236036   | 50.091   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 100.180% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 84725    | 47.527   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 95.060%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.380  | 43    | 9710     | 12.644   | ug/l   | 93       |
| 31) Cyclohexane             | 5.477  | 56    | 12517    | 5.861    | ug/l   | 93       |
| 39) Methylcyclohexane       | 7.385  | 83    | 17565    | 7.684    | ug/l   | 94       |
| 40) Benzene                 | 6.044  | 78    | 21558    | 3.993    | ug/l   | 98       |
| 52) Toluene                 | 8.720  | 92    | 283841   | 80.533   | ug/l   | 98       |
| 67) Ethyl Benzene           | 10.195 | 91    | 106401   | 16.534   | ug/l   | 98       |
| 68) m/p-Xylenes             | 10.305 | 106   | 517016   | 196.691  | ug/l   | 93       |
| 69) o-Xylene                | 10.647 | 106   | 348106   | 135.308  | ug/l   | 92       |
| 73) Isopropylbenzene        | 10.964 | 105   | 46268    | 7.180    | ug/l   | 96       |
| 78) n-propylbenzene         | 11.305 | 91    | 75234    | 10.401   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene  | 11.451 | 105   | 253597   | 46.819   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene  | 11.756 | 105   | 803345   | 150.061  | ug/l   | 95       |
| 85) sec-Butylbenzene        | 11.890 | 105   | 37559m   | 5.612    | ug/l   |          |
| 86) p-Isopropyltoluene      | 12.012 | 119   | 30725    | 5.344    | ug/l   | 98       |
| 89) n-Butylbenzene          | 12.329 | 91    | 49480    | 10.210   | ug/l # | 15       |
| 95) Naphthalene             | 13.780 | 128   | 492898   | 81.025   | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

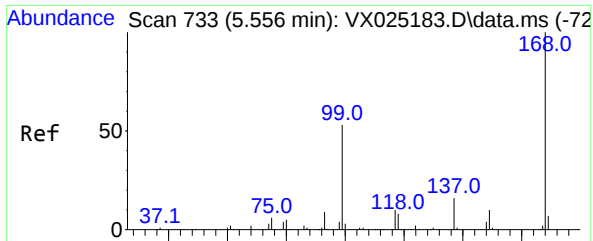
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112421\  
Data File : VX025339.D  
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Operator : JC/MD  
Sample : M4830-10  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
30930

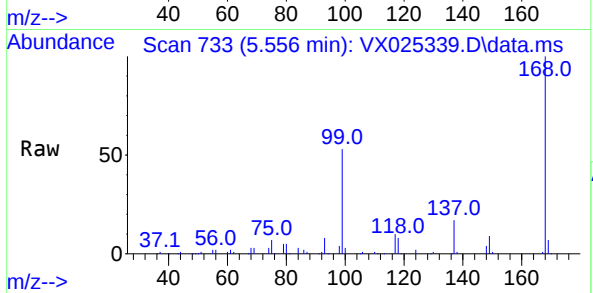
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 17 15:36:16 2021  
Response via : Initial Calibration



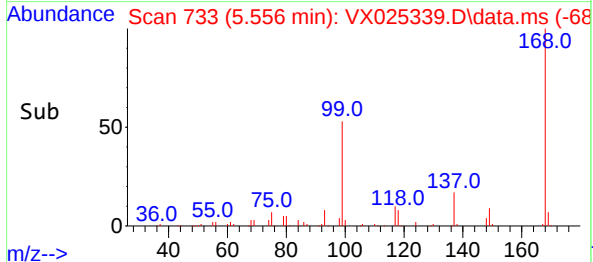
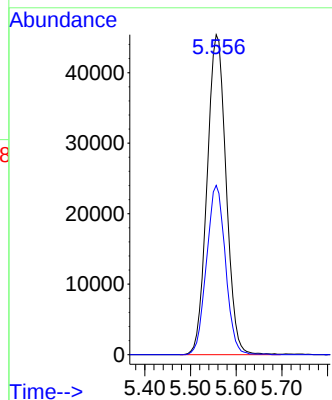


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
30930

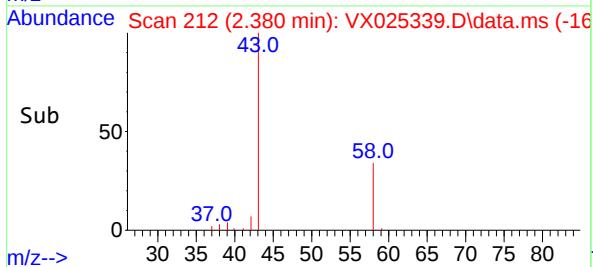
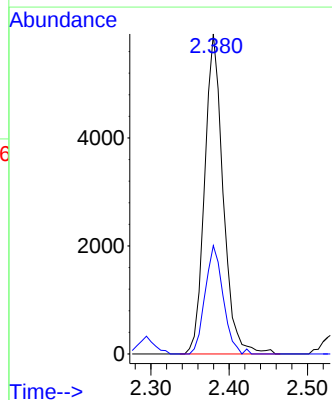
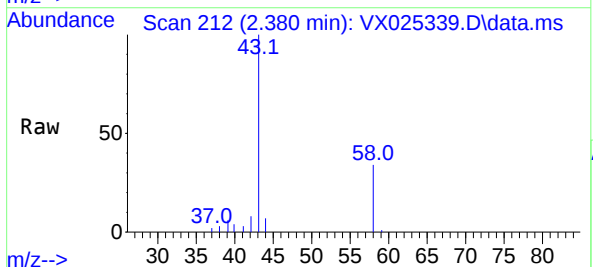


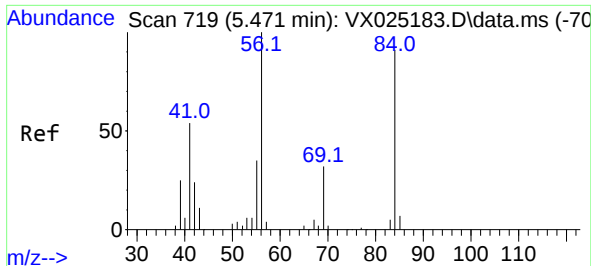
Tgt Ion:168 Resp: 131121  
Ion Ratio Lower Upper  
168 100  
99 52.9 46.4 69.6



#16  
Acetone  
Concen: 12.644 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

Tgt Ion: 43 Resp: 9710  
Ion Ratio Lower Upper  
43 100  
58 33.8 24.0 36.0

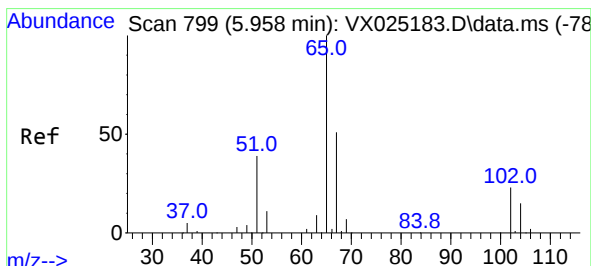
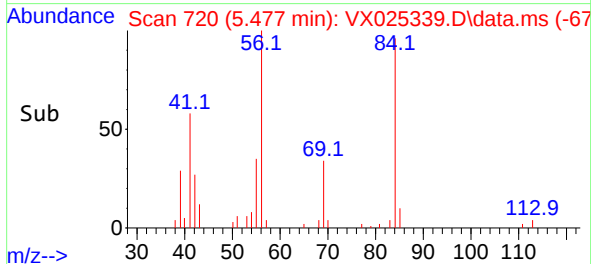
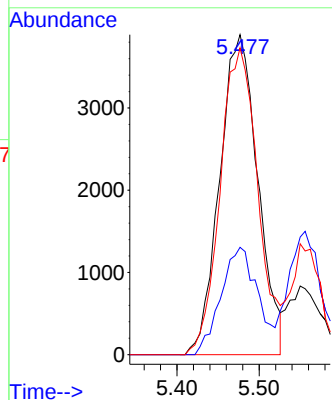
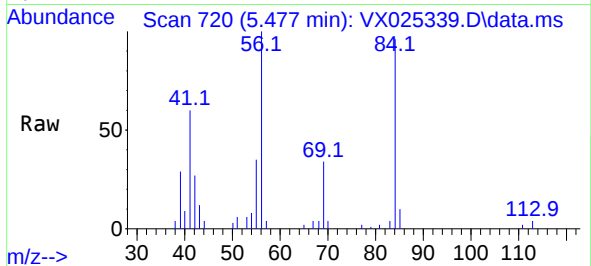




#31  
Cyclohexane  
Concen: 5.861 ug/l  
RT: 5.477 min Scan# 719  
Delta R.T. 0.006 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

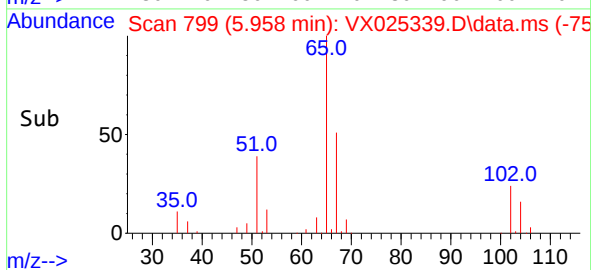
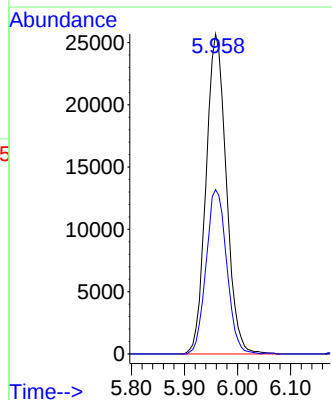
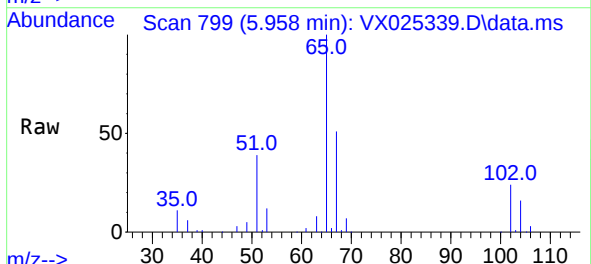
Instrument :  
MSVOA\_X  
ClientSampleId :  
30930

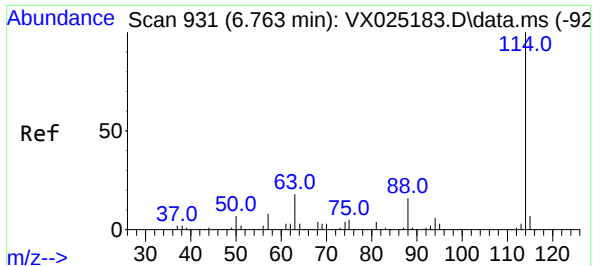
Tgt Ion: 56 Resp: 12517  
Ion Ratio Lower Upper  
56 100  
69 33.6 24.2 36.2  
84 95.9 71.5 107.3



#33  
1,2-Dichloroethane-d4  
Concen: 49.314 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

Tgt Ion: 65 Resp: 68157  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 101.0

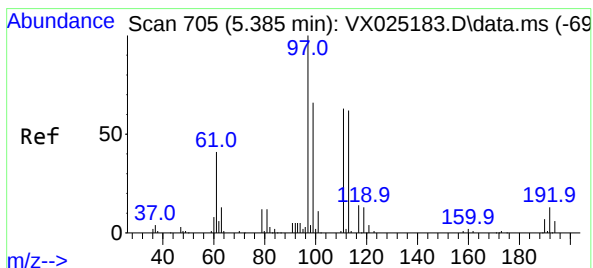
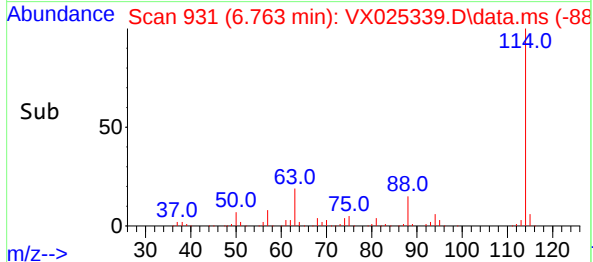
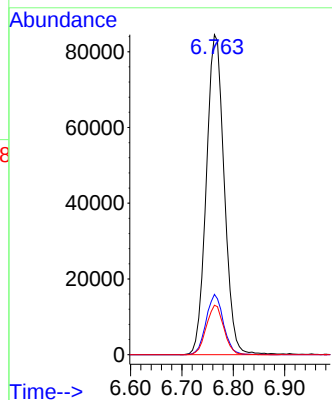
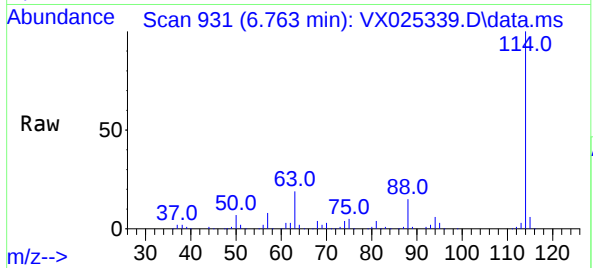




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

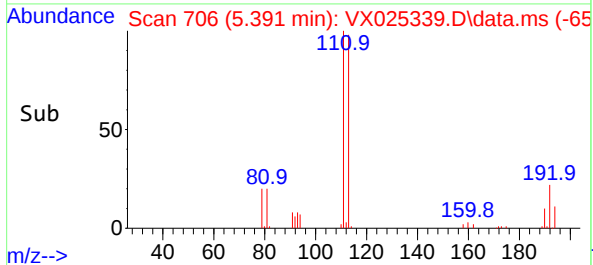
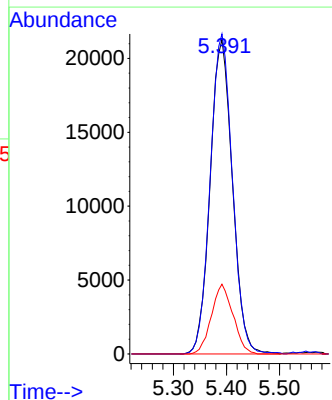
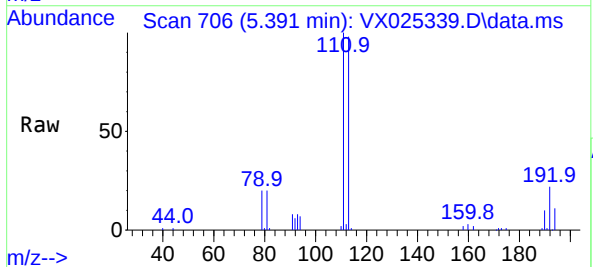
Instrument :  
MSVOA\_X  
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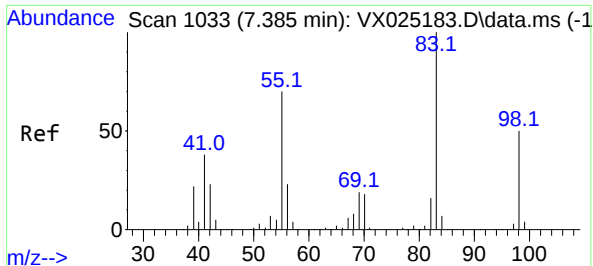
Tgt Ion:114 Resp: 204262  
Ion Ratio Lower Upper  
114 100  
63 18.9 0.0 41.0  
88 15.4 0.0 34.8



#35  
Dibromofluoromethane  
Concen: 49.471 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

Tgt Ion:113 Resp: 62001  
Ion Ratio Lower Upper  
113 100  
111 101.3 82.1 123.1  
192 21.5 15.6 23.4

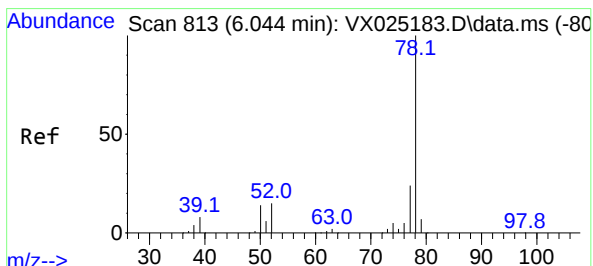
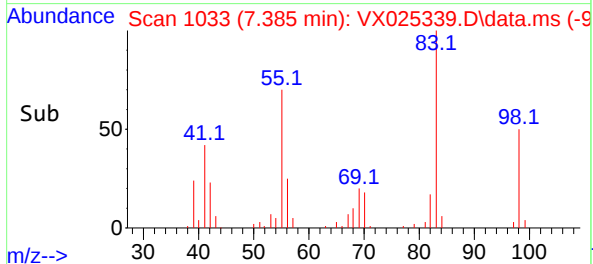
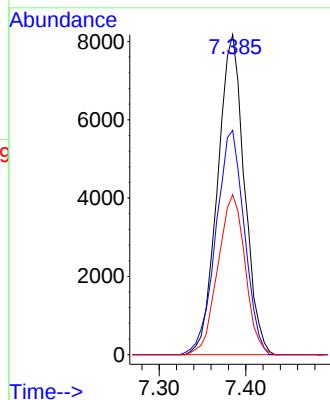
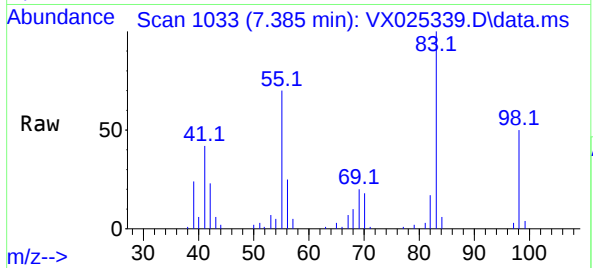




#39  
Methylcyclohexane  
Concen: 7.684 ug/l  
RT: 7.385 min Scan# 1033  
Delta R.T. -0.000 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

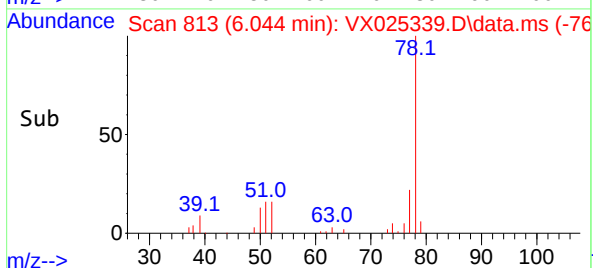
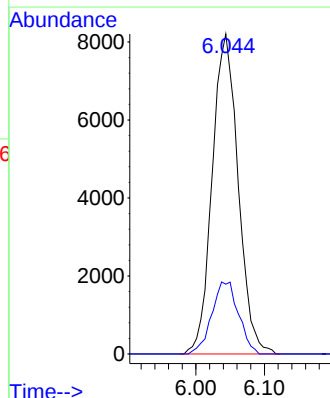
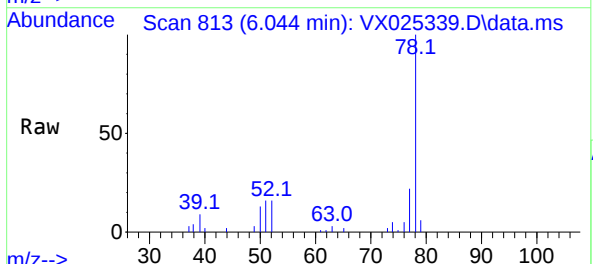
Instrument :  
MSVOA\_X  
ClientSampleId :  
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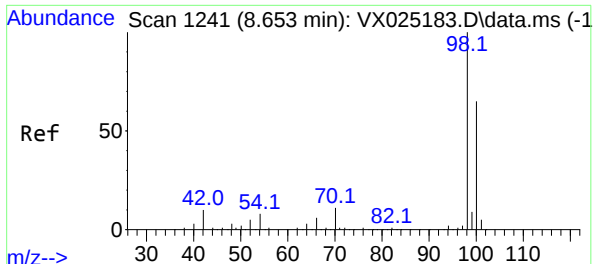
Tgt Ion: 83 Resp: 17565  
Ion Ratio Lower Upper  
83 100  
55 70.1 60.8 91.2  
98 50.0 37.0 55.4



#40  
Benzene  
Concen: 3.993 ug/l  
RT: 6.044 min Scan# 813  
Delta R.T. -0.000 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

Tgt Ion: 78 Resp: 21558  
Ion Ratio Lower Upper  
78 100  
77 21.8 18.3 27.5





#50

Toluene-d8

Concen: 50.091 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX025339.D

Acq: 24 Nov 2021 20:06

Instrument :

MSVOA\_X

ClientSampleId :

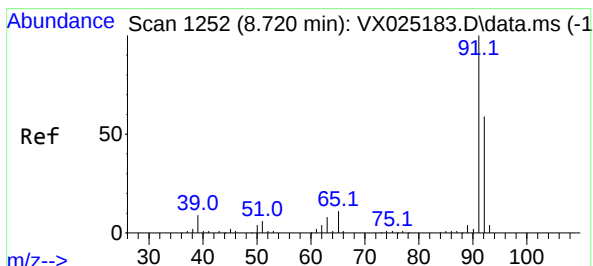
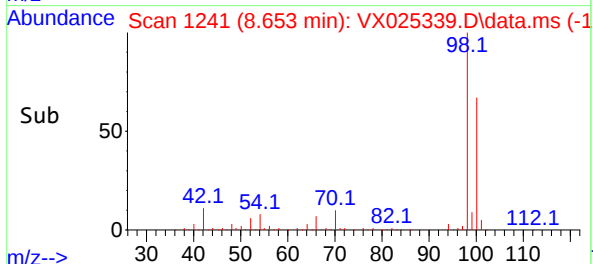
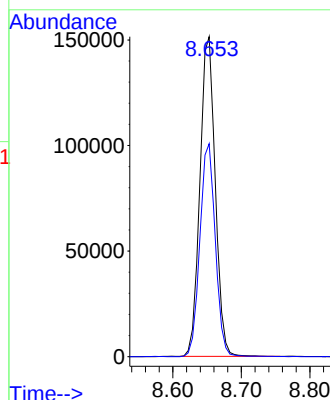
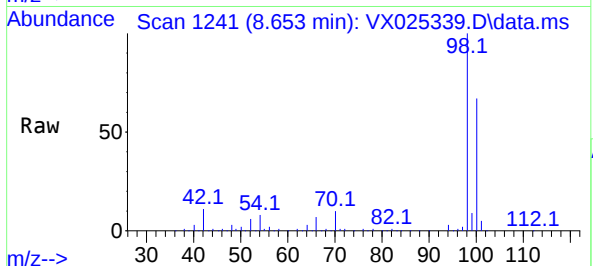
30930

Tgt Ion: 98 Resp: 236036

Ion Ratio Lower Upper

98 100

100 67.1 51.4 77.0



#52

Toluene

Concen: 80.533 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX025339.D

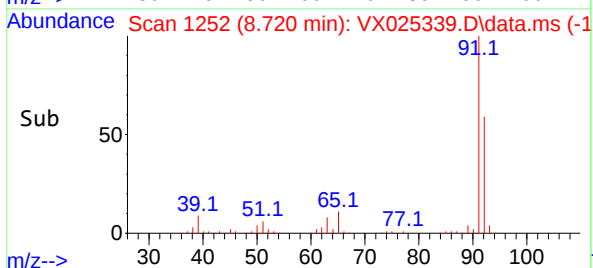
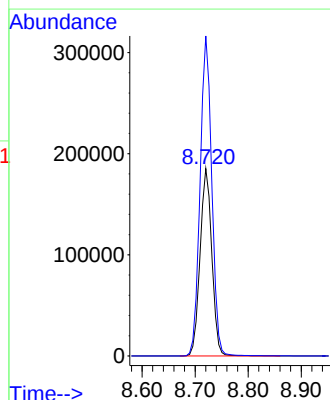
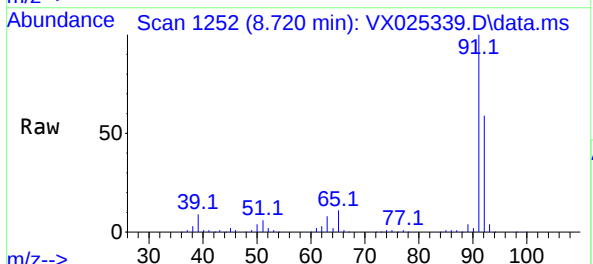
Acq: 24 Nov 2021 20:06

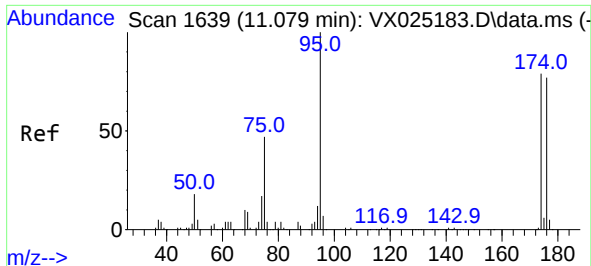
Tgt Ion: 92 Resp: 283841

Ion Ratio Lower Upper

92 100

91 170.1 138.6 208.0

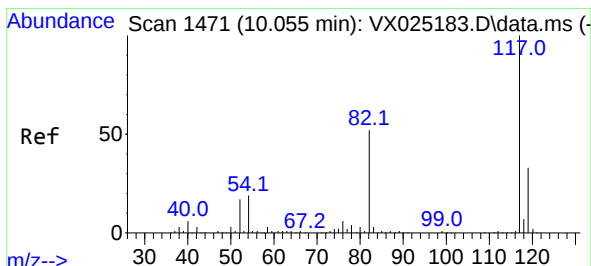
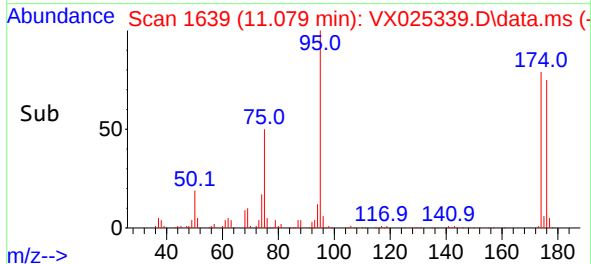
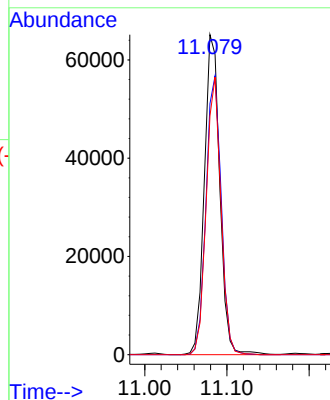
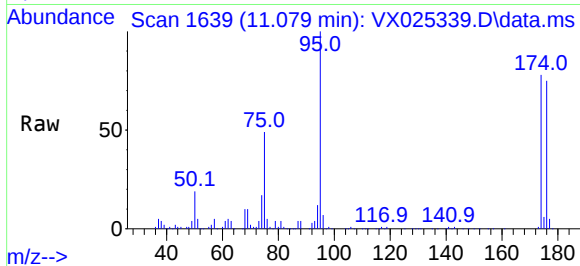




#62  
4-Bromofluorobenzene  
Concen: 47.527 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

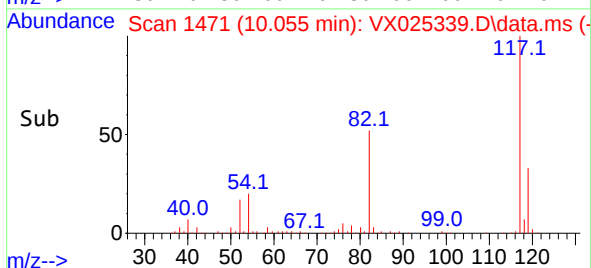
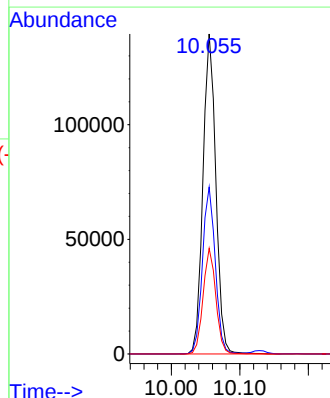
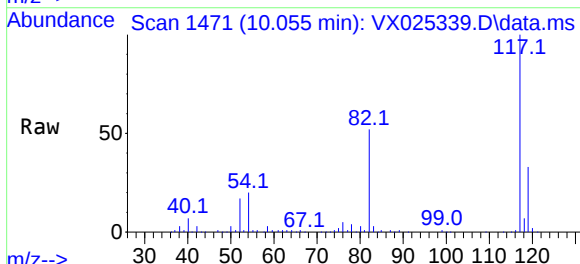
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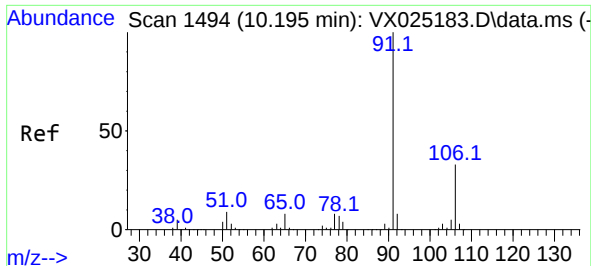
Tgt Ion: 95 Resp: 84725  
Ion Ratio Lower Upper  
95 100  
174 85.9 0.0 158.0  
176 82.9 0.0 153.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

Tgt Ion: 117 Resp: 182742  
Ion Ratio Lower Upper  
117 100  
82 52.2 44.6 67.0  
119 33.0 24.8 37.2

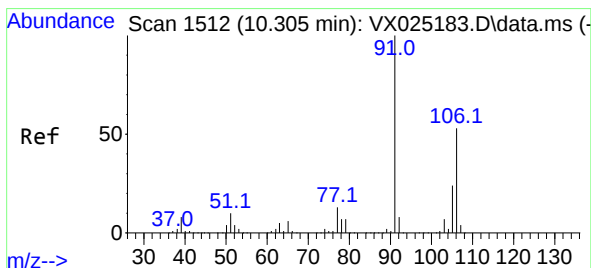
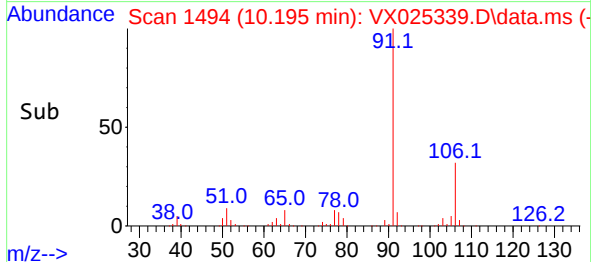
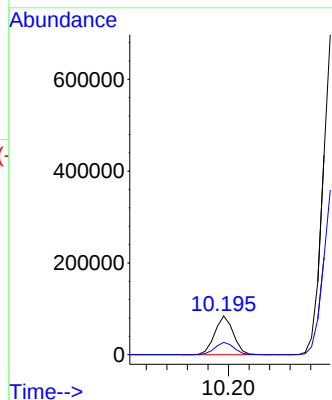
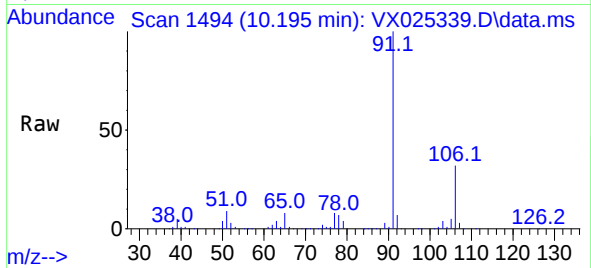




#67  
Ethyl Benzene  
Concen: 16.534 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

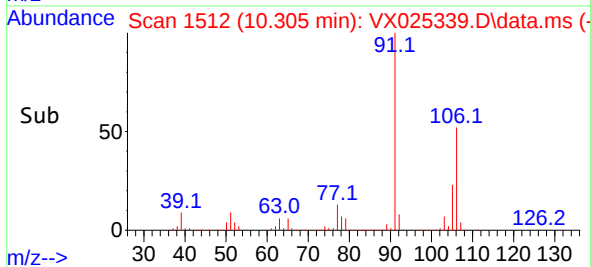
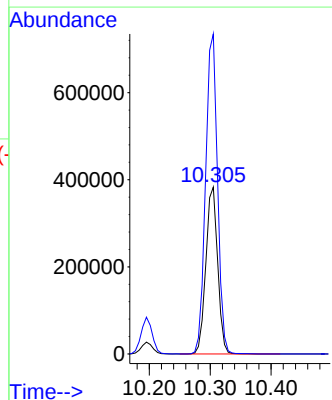
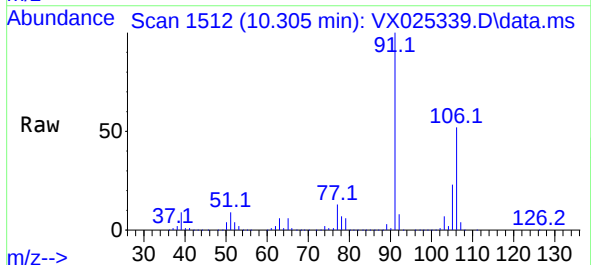
Instrument :  
MSVOA\_X  
ClientSampleId :  
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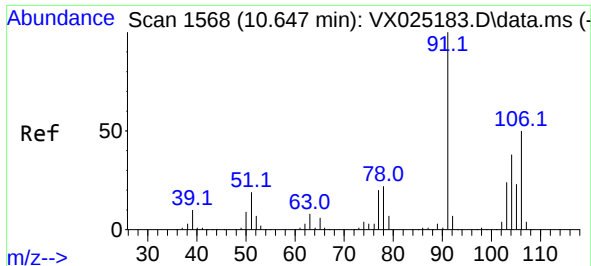
Tgt Ion: 91 Resp: 106401  
Ion Ratio Lower Upper  
91 100  
106 32.0 24.7 37.1



#68  
m/p-Xylenes  
Concen: 196.691 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.000 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

Tgt Ion: 106 Resp: 517016  
Ion Ratio Lower Upper  
106 100  
91 193.4 163.4 245.0

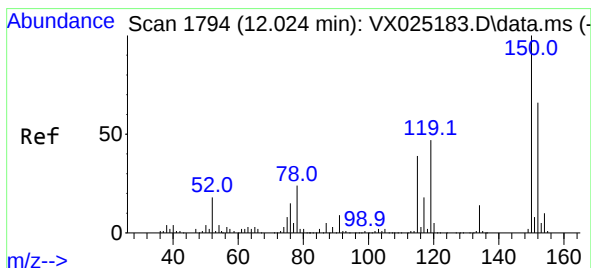
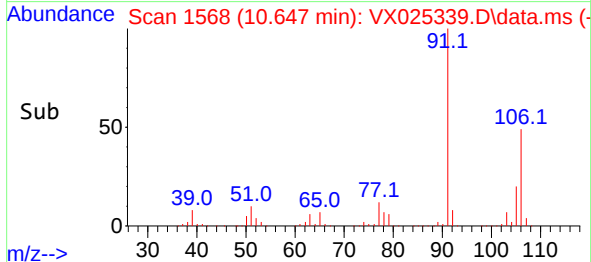
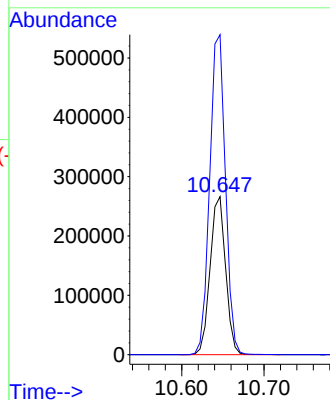
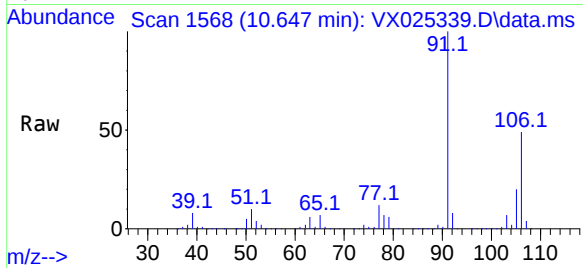




#69  
o-Xylene  
Concen: 135.308 ug/l  
RT: 10.647 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

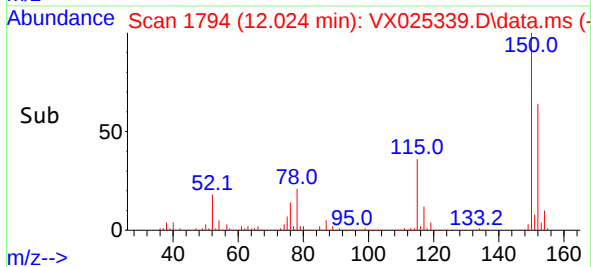
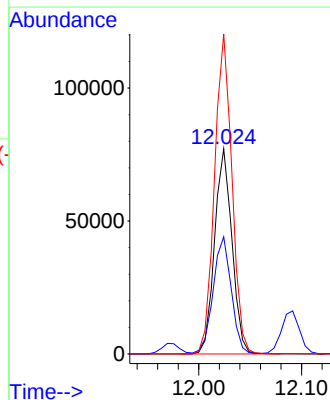
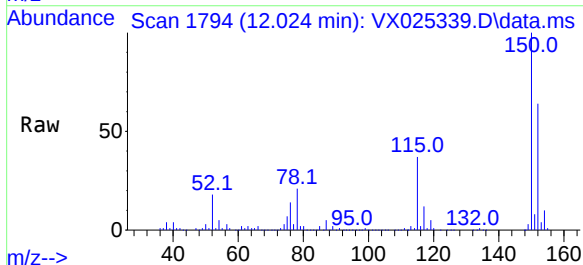
Instrument :  
MSVOA\_X  
ClientSampleId :  
30930

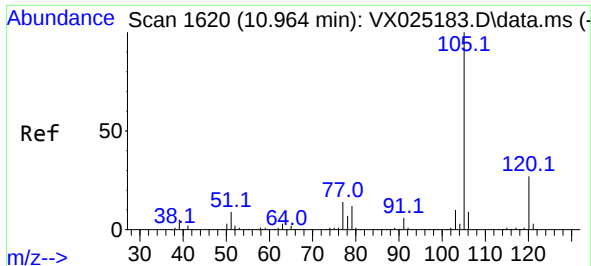
Tgt Ion:106 Resp: 348106  
Ion Ratio Lower Upper  
106 100  
91 205.7 109.5 328.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

Tgt Ion:152 Resp: 90416  
Ion Ratio Lower Upper  
152 100  
115 59.8 43.3 129.8  
150 156.4 0.0 351.2

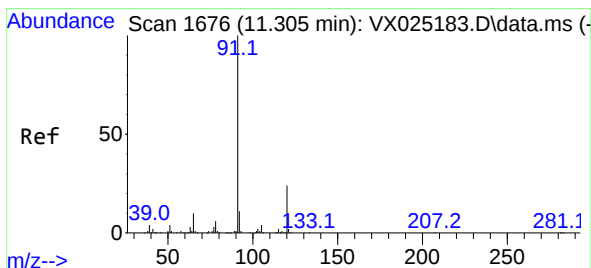
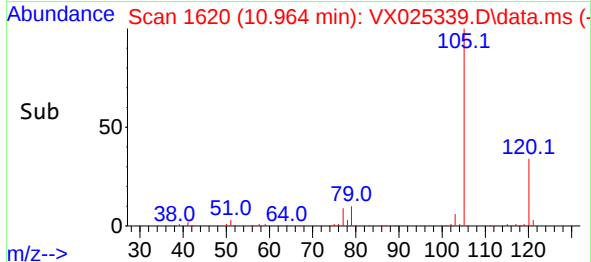
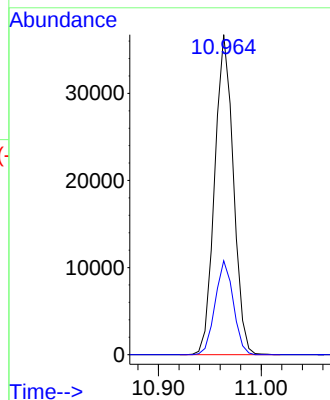
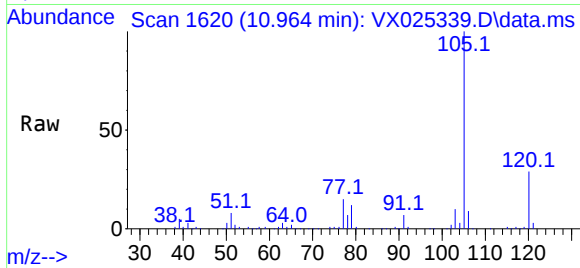




#73  
Isopropylbenzene  
Concen: 7.180 ug/l  
RT: 10.964 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

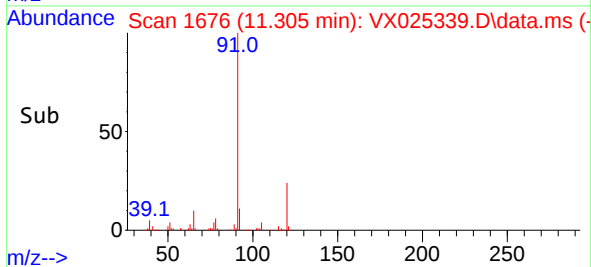
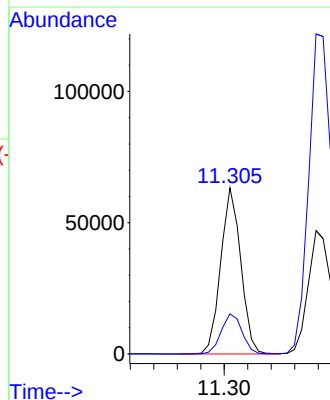
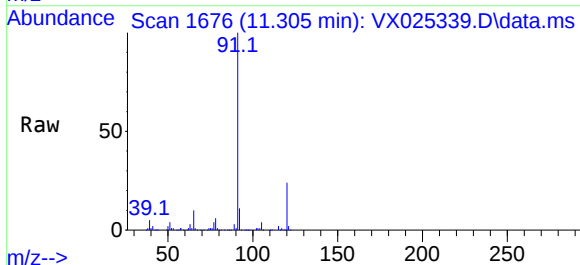
Instrument :  
MSVOA\_X  
ClientSampleId :  
30930

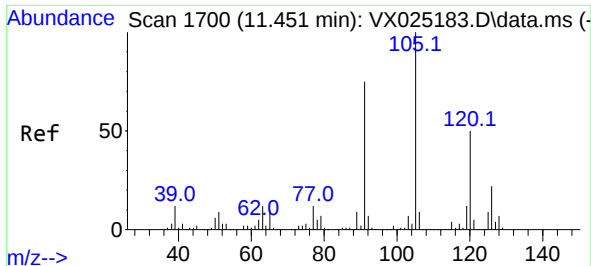
Tgt Ion:105 Resp: 46268  
Ion Ratio Lower Upper  
105 100  
120 28.4 13.3 39.8



#78  
n-propylbenzene  
Concen: 10.401 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

Tgt Ion: 91 Resp: 75234  
Ion Ratio Lower Upper  
91 100  
120 25.0 11.7 35.0

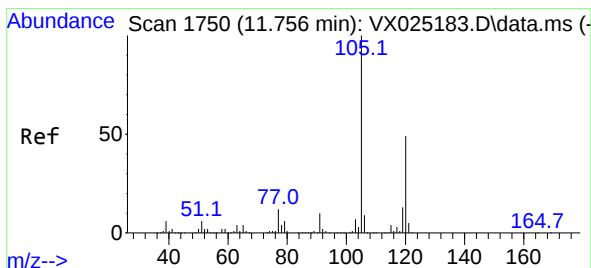
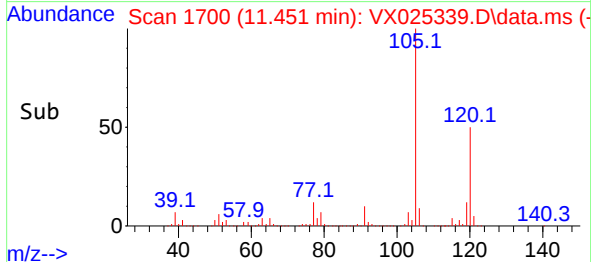
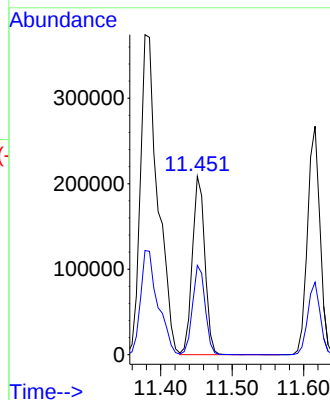
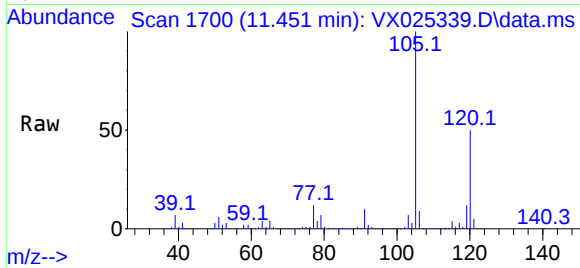




#80  
1,3,5-Trimethylbenzene  
Concen: 46.819 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

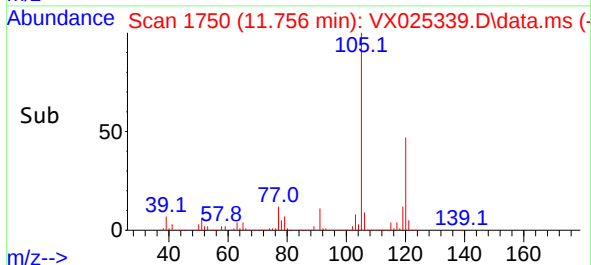
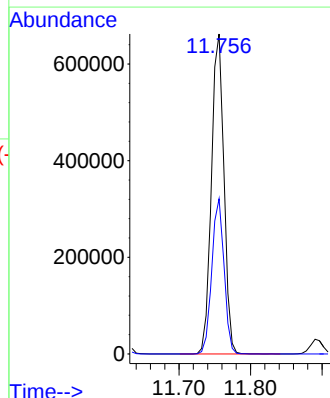
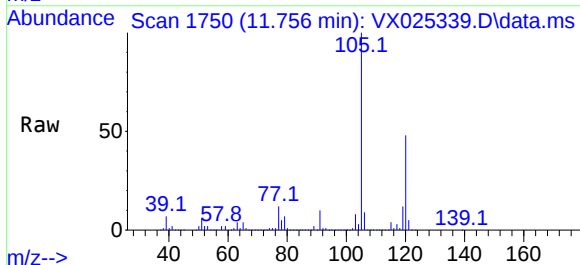
Instrument :  
MSVOA\_X  
ClientSampleId :  
30930

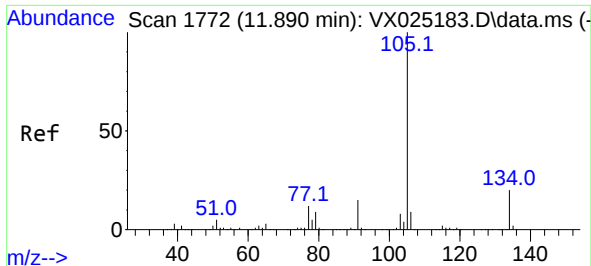
Tgt Ion:105 Resp: 253597  
Ion Ratio Lower Upper  
105 100  
120 50.4 23.8 71.5



#84  
1,2,4-Trimethylbenzene  
Concen: 150.061 ug/l  
RT: 11.756 min Scan# 1750  
Delta R.T. 0.000 min  
Lab File: VX025339.D  
Acq: 24 Nov 2021 20:06

Tgt Ion:105 Resp: 803345  
Ion Ratio Lower Upper  
105 100  
120 47.5 22.1 66.3

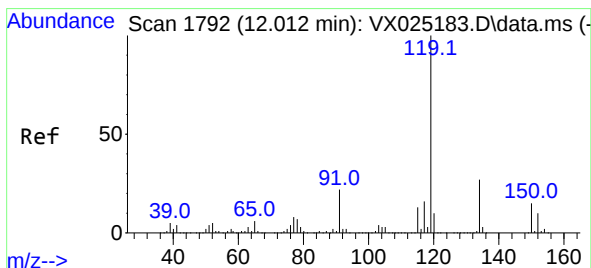
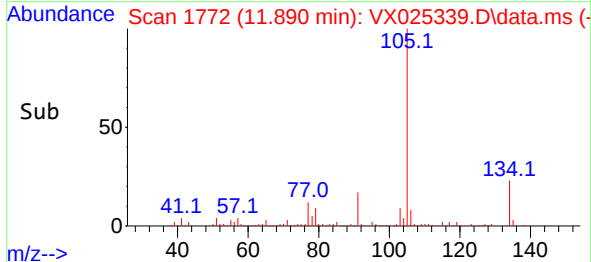
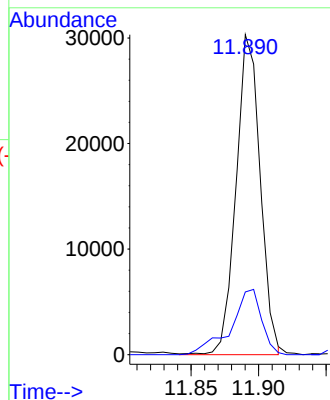
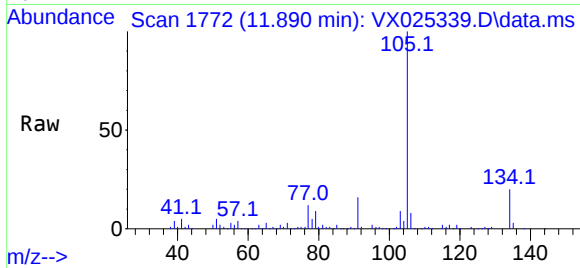




#85  
 sec-Butylbenzene  
 Concen: 5.612 ug/l m  
 RT: 11.890 min Scan# 1772  
 Delta R.T. 0.000 min  
 Lab File: VX025339.D  
 Acq: 24 Nov 2021 20:06

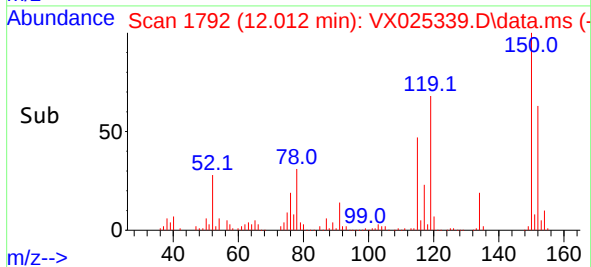
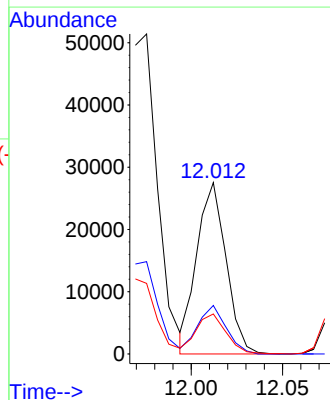
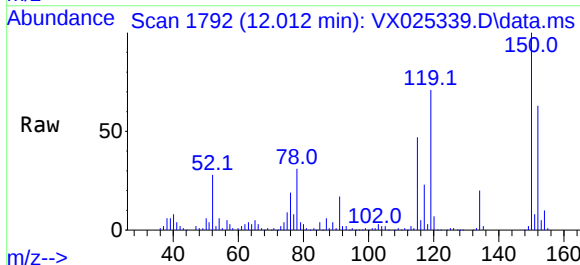
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 30930

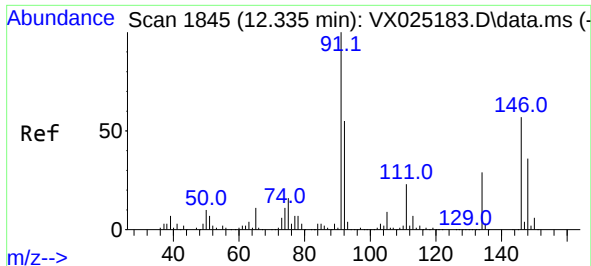
Tgt Ion:105 Resp: 37559  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 10.2 30.4#



#86  
 p-Isopropyltoluene  
 Concen: 5.344 ug/l  
 RT: 12.012 min Scan# 1792  
 Delta R.T. 0.000 min  
 Lab File: VX025339.D  
 Acq: 24 Nov 2021 20:06

Tgt Ion:119 Resp: 30725  
 Ion Ratio Lower Upper  
 119 100  
 134 27.7 13.2 39.5  
 91 24.2 12.4 37.0





#89

n-Butylbenzene

Concen: 10.210 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX025339.D

Acq: 24 Nov 2021 20:06

Instrument :

MSVOA\_X

ClientSampleId :

30930

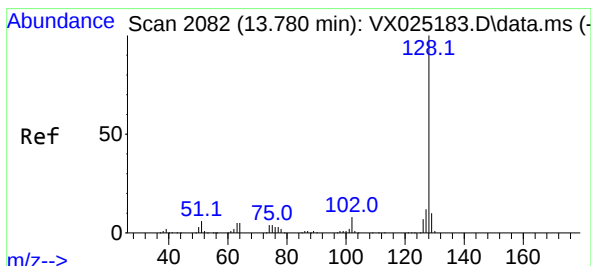
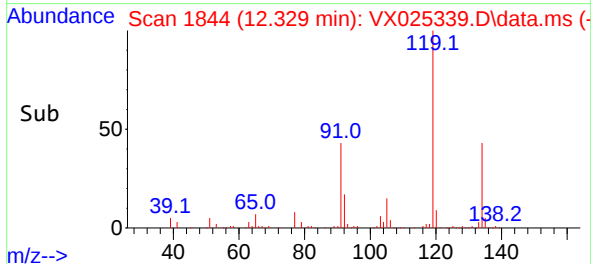
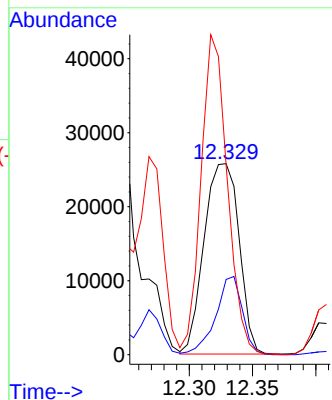
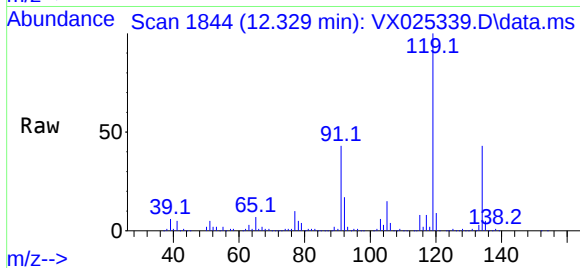
Tgt Ion: 91 Resp: 49480

Ion Ratio Lower Upper

91 100

92 31.5 26.3 78.8

134 126.6 13.0 38.9#



#95

Naphthalene

Concen: 81.025 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX025339.D

Acq: 24 Nov 2021 20:06

Tgt Ion:128 Resp: 492898

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 11.5 8.8 13.2

