

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX113022\  
 Data File : VX033137.D  
 Acq On : 30 Nov 2022 17:14  
 Operator : JC/MD  
 Sample : N5815-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-01

Quant Time: Dec 01 00:22:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 22 13:58:46 2022  
 Response via : Initial Calibration

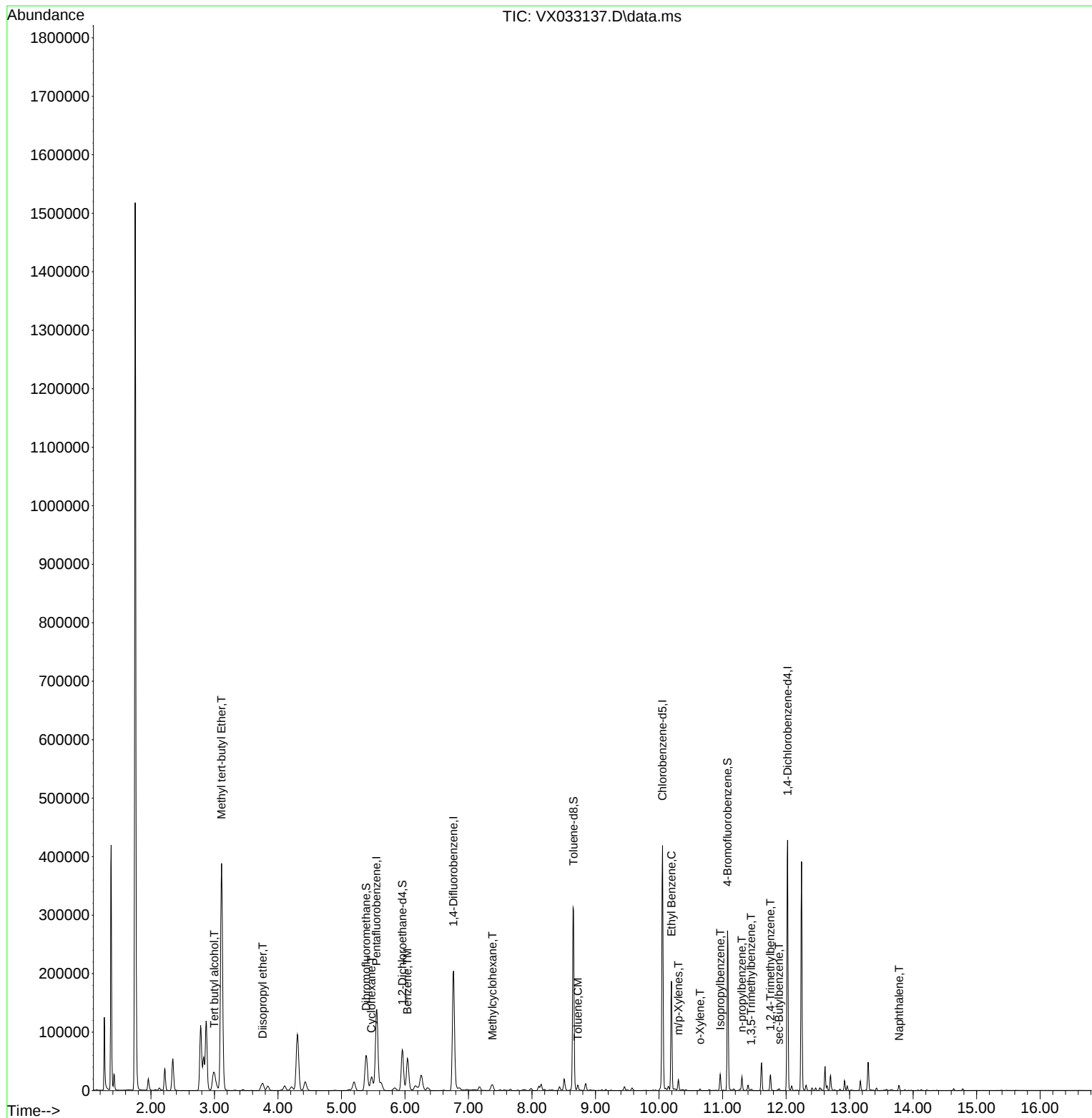
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.550  | 168   | 131104   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 208076   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 185554   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 86554    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 70231    | 55.144   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 110.280% |
| 35) Dibromofluoromethane    | 5.385  | 113   | 52968    | 45.154   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 90.300%  |
| 50) Toluene-d8              | 8.653  | 98    | 188254   | 53.488   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 106.980% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 69203    | 44.910   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 89.820%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          |        | Qvalue   |
| 11) Tert butyl alcohol      | 2.995  | 59    | 61703    | 304.870  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether | 3.111  | 73    | 360905   | 90.958   | ug/l # | 78       |
| 22) Diisopropyl ether       | 3.757  | 45    | 11461    | 2.850    | ug/l   | 88       |
| 31) Cyclohexane             | 5.470  | 56    | 15250    | 7.372    | ug/l   | 97       |
| 39) Methylcyclohexane       | 7.379  | 83    | 3834     | 1.791    | ug/l   | 91       |
| 40) Benzene                 | 6.037  | 78    | 66365    | 12.619   | ug/l   | 99       |
| 52) Toluene                 | 8.720  | 92    | 3660     | 1.058    | ug/l   | 95       |
| 67) Ethyl Benzene           | 10.195 | 91    | 105454   | 16.069   | ug/l   | 98       |
| 68) m/p-Xylenes             | 10.305 | 106   | 4317     | 1.680    | ug/l   | 96       |
| 69) o-Xylene                | 10.646 | 106   | 555      | 0.223    | ug/l   | 83       |
| 73) Isopropylbenzene        | 10.963 | 105   | 13951    | 2.256    | ug/l   | 99       |
| 78) n-propylbenzene         | 11.305 | 91    | 14210    | 2.009    | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 11.451 | 105   | 1377     | 0.265    | ug/l   | 91       |
| 84) 1,2,4-Trimethylbenzene  | 11.756 | 105   | 12478    | 2.408    | ug/l   | 98       |
| 85) sec-Butylbenzene        | 11.890 | 105   | 1415     | 0.229    | ug/l   | 92       |
| 95) Naphthalene             | 13.780 | 128   | 6400     | 1.156    | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

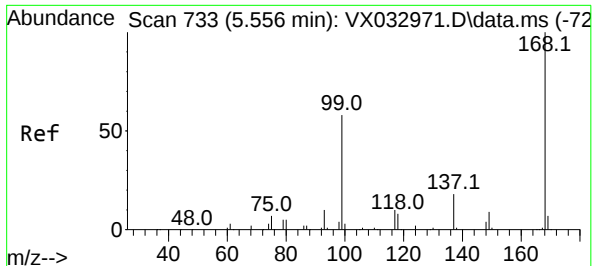
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX113022\  
Data File : VX033137.D  
Acq On : 30 Nov 2022 17:14  
Operator : JC/MD  
Sample : N5815-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01

Quant Time: Dec 01 00:22:37 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 22 13:58:46 2022  
Response via : Initial Calibration

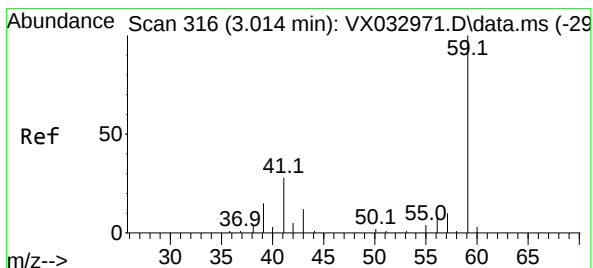
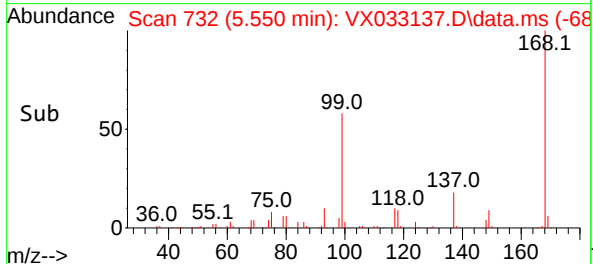
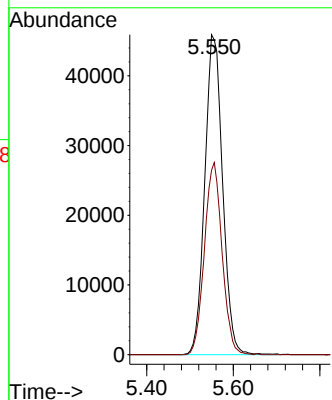
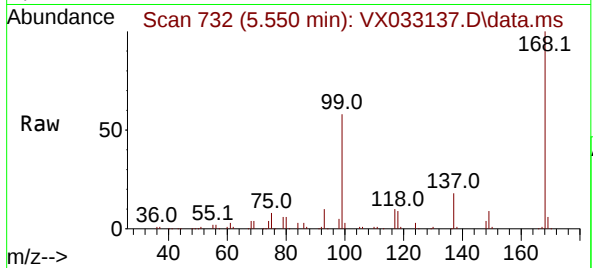




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX033137.D  
Acq: 30 Nov 2022 17:14

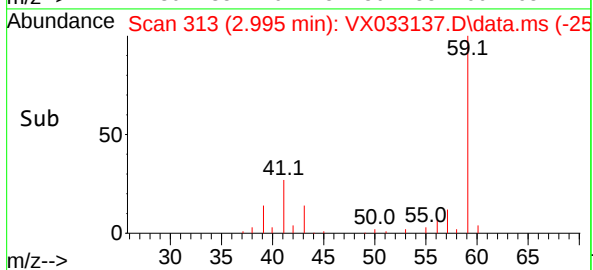
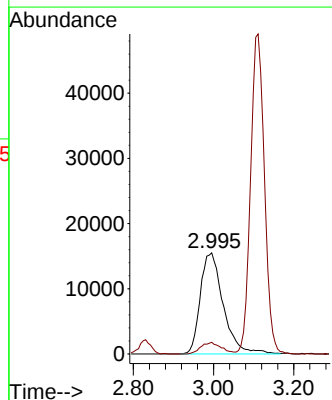
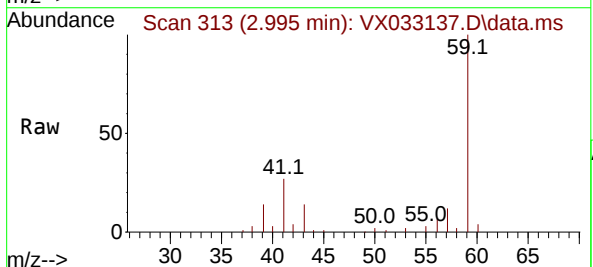
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01

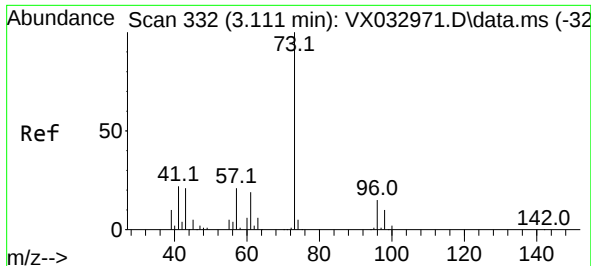
Tgt Ion:168 Resp: 131104  
Ion Ratio Lower Upper  
168 100  
99 57.6 46.1 69.1



#11  
Tert butyl alcohol  
Concen: 304.870 ug/l  
RT: 2.995 min Scan# 313  
Delta R.T. 0.030 min  
Lab File: VX033137.D  
Acq: 30 Nov 2022 17:14

Tgt Ion: 59 Resp: 61703  
Ion Ratio Lower Upper  
59 100  
57 10.4 8.2 12.4

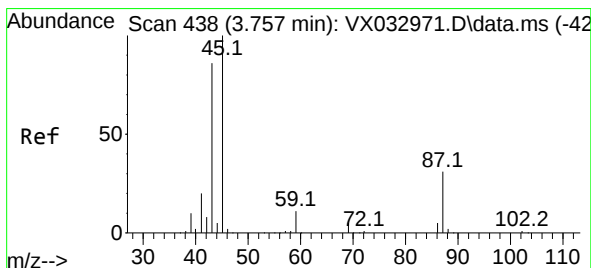
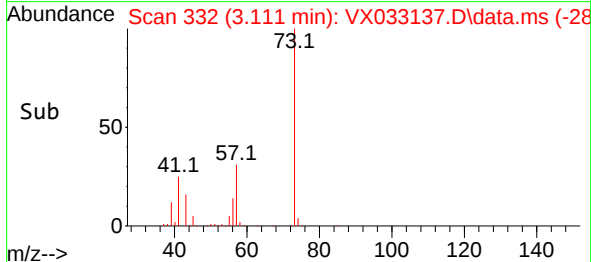
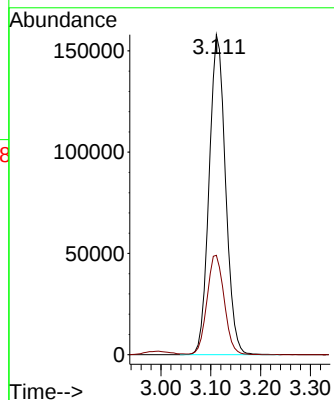
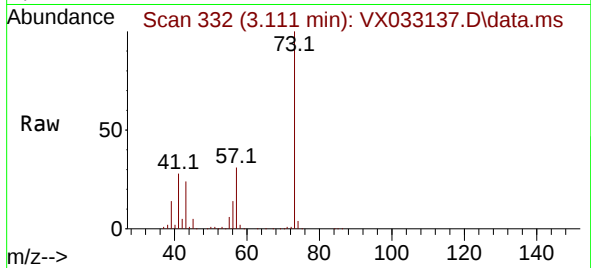




#19  
Methyl tert-butyl Ether  
Concen: 90.958 ug/l  
RT: 3.111 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VX033137.D  
Acq: 30 Nov 2022 17:14

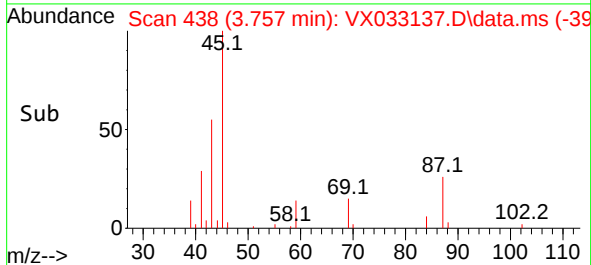
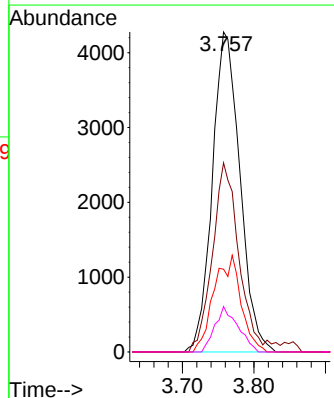
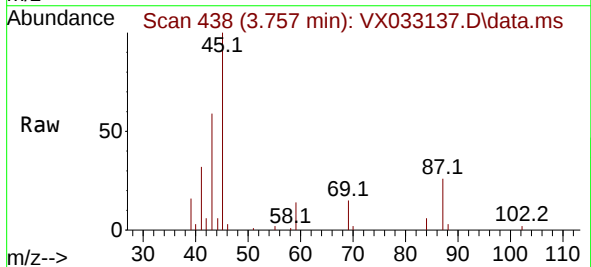
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01

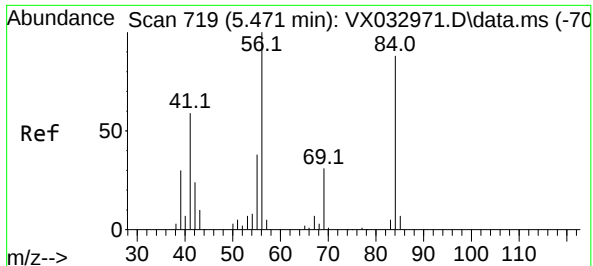
Tgt Ion: 73 Resp: 360905  
Ion Ratio Lower Upper  
73 100  
57 31.1 16.6 25.0#



#22  
Diisopropyl ether  
Concen: 2.850 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. -0.006 min  
Lab File: VX033137.D  
Acq: 30 Nov 2022 17:14

Tgt Ion: 45 Resp: 11461  
Ion Ratio Lower Upper  
45 100  
43 59.1 56.4 84.6  
87 25.8 24.4 36.6  
59 14.2 9.5 14.3

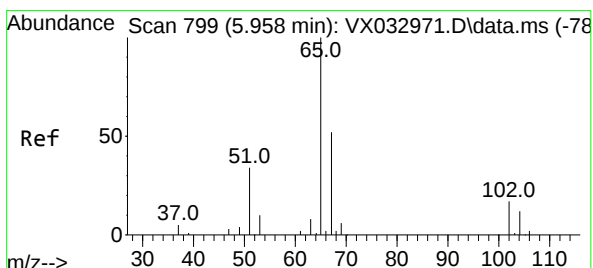
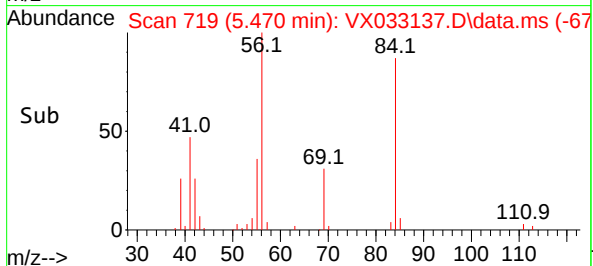
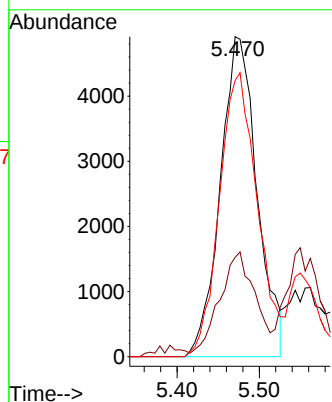
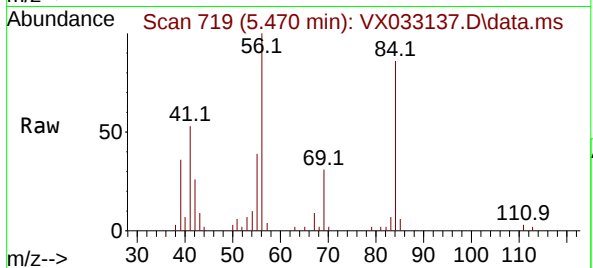




#31  
Cyclohexane  
Concen: 7.372 ug/l  
RT: 5.470 min Scan# 719  
Delta R.T. 0.000 min  
Lab File: VX033137.D  
Acq: 30 Nov 2022 17:14

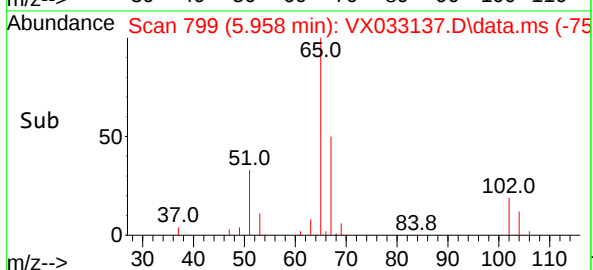
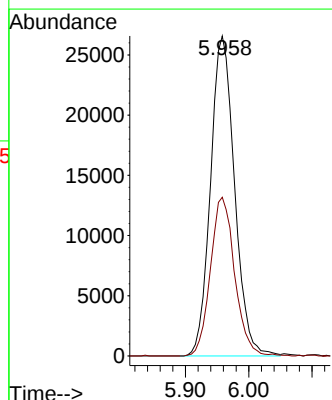
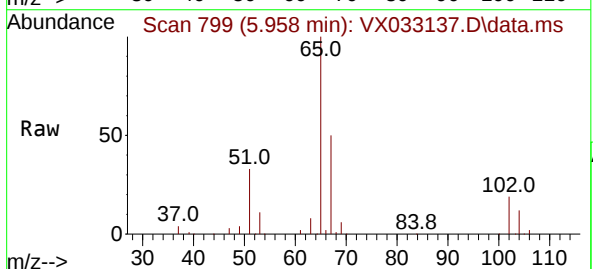
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01

Tgt Ion: 56 Resp: 15250  
Ion Ratio Lower Upper  
56 100  
69 28.8 24.1 36.1  
84 86.2 66.9 100.3



#33  
1,2-Dichloroethane-d4  
Concen: 55.144 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX033137.D  
Acq: 30 Nov 2022 17:14

Tgt Ion: 65 Resp: 70231  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 101.8

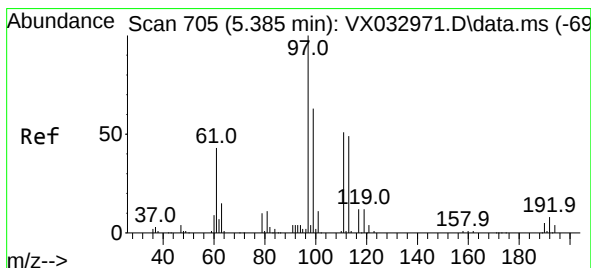
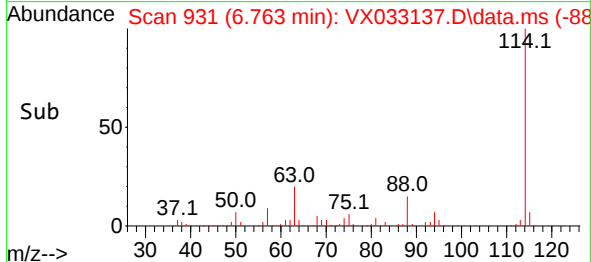
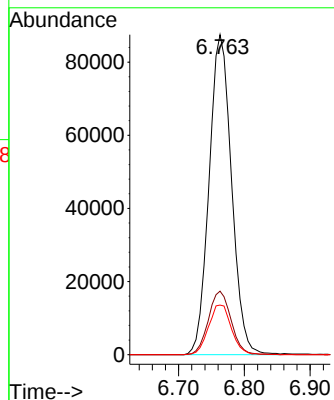
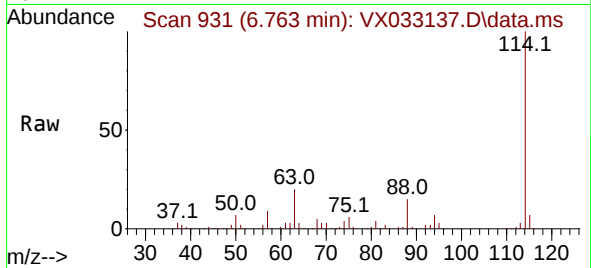




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VX033137.D  
Acq: 30 Nov 2022 17:14

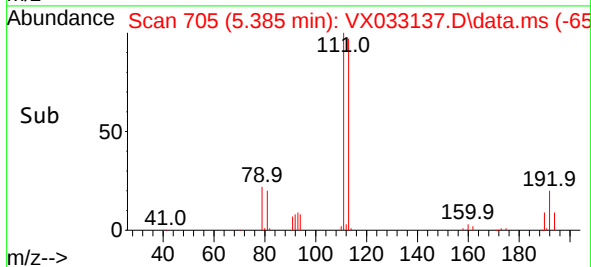
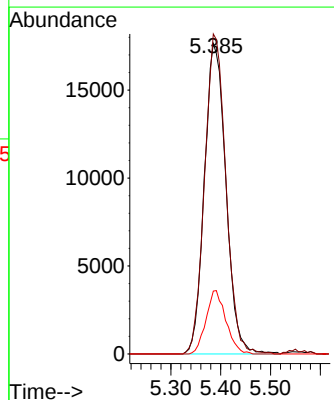
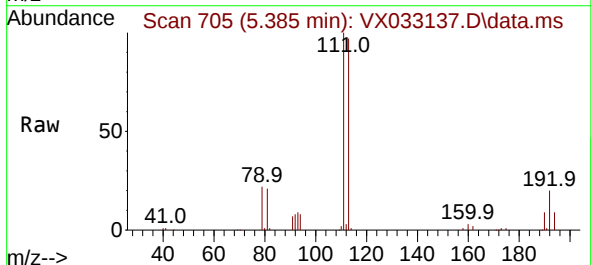
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01

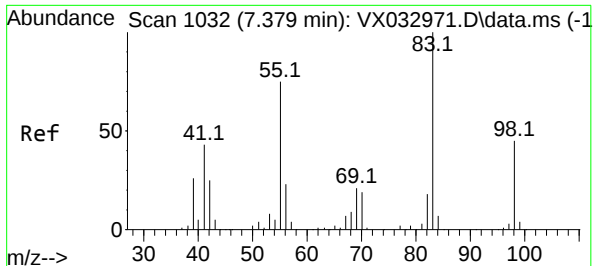
Tgt Ion:114 Resp: 208076  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 41.6  
88 15.5 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 45.154 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX033137.D  
Acq: 30 Nov 2022 17:14

Tgt Ion:113 Resp: 52968  
Ion Ratio Lower Upper  
113 100  
111 101.7 82.4 123.6  
192 18.9 15.4 23.2





#39

Methylcyclohexane

Concen: 1.791 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX033137.D

Acq: 30 Nov 2022 17:14

Instrument :

MSVOA\_X

ClientSampleId :

MW-01

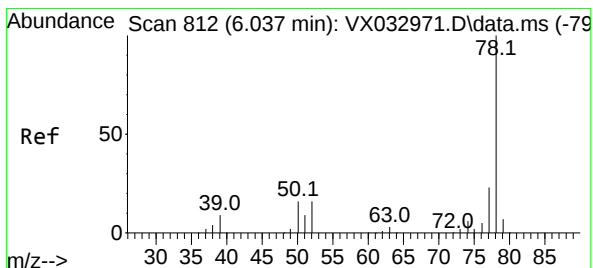
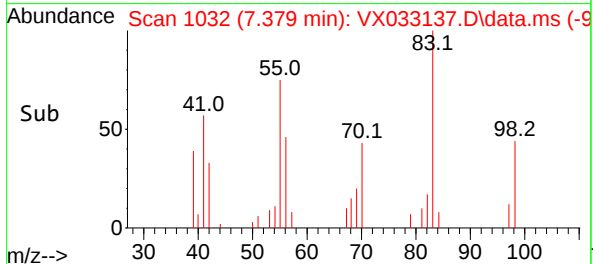
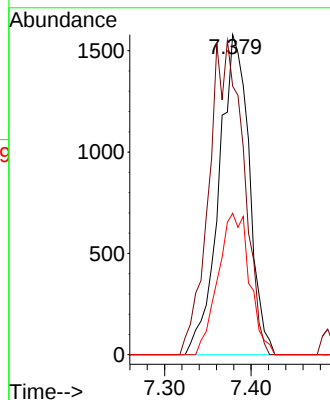
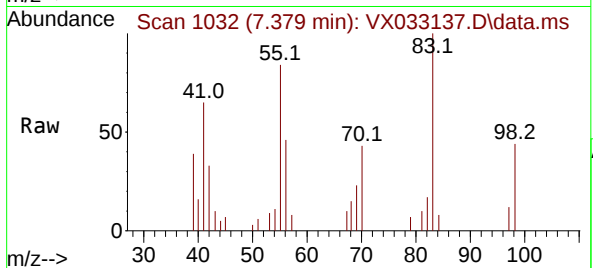
Tgt Ion: 83 Resp: 3834

Ion Ratio Lower Upper

83 100

55 83.9 58.4 87.6

98 44.2 37.2 55.8



#40

Benzene

Concen: 12.619 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX033137.D

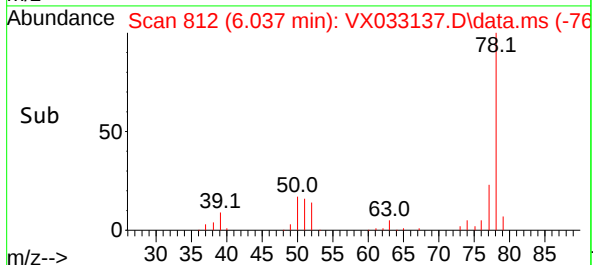
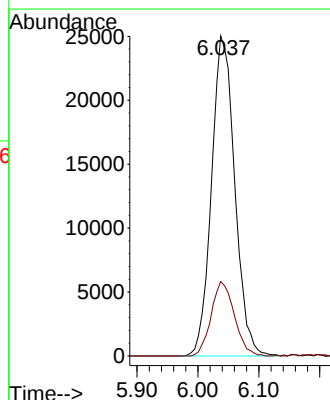
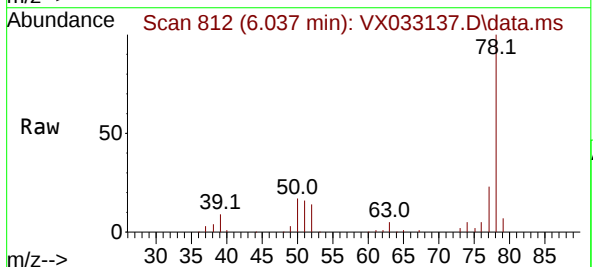
Acq: 30 Nov 2022 17:14

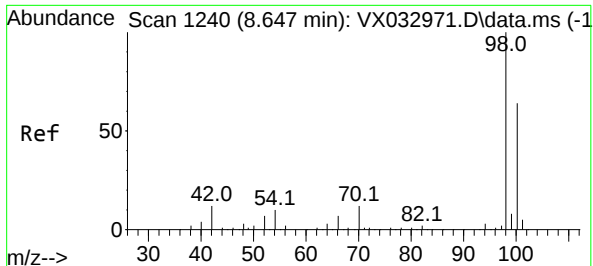
Tgt Ion: 78 Resp: 66365

Ion Ratio Lower Upper

78 100

77 23.3 19.0 28.4





#50

Toluene-d8

Concen: 53.488 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX033137.D

Acq: 30 Nov 2022 17:14

Instrument :

MSVOA\_X

ClientSampleId :

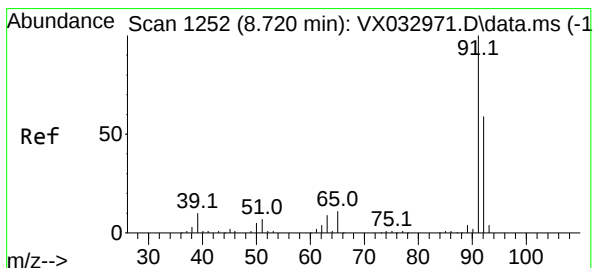
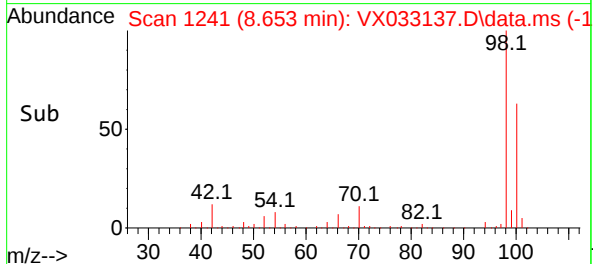
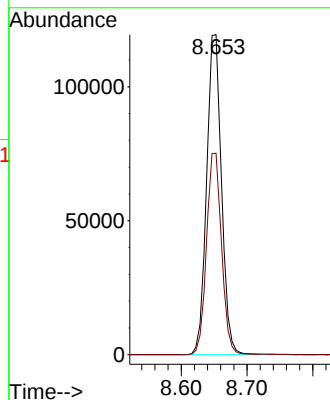
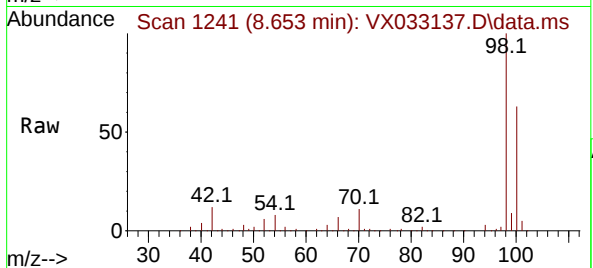
MW-01

Tgt Ion: 98 Resp: 188254

Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3



#52

Toluene

Concen: 1.058 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX033137.D

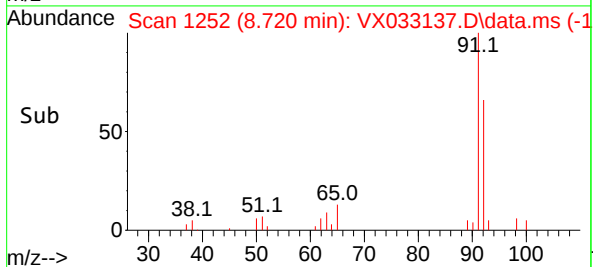
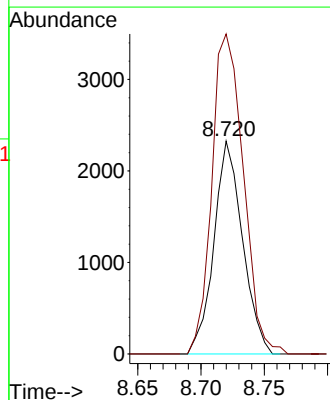
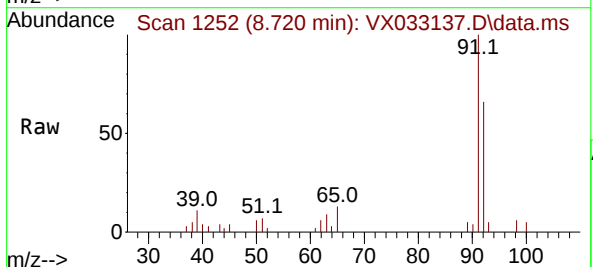
Acq: 30 Nov 2022 17:14

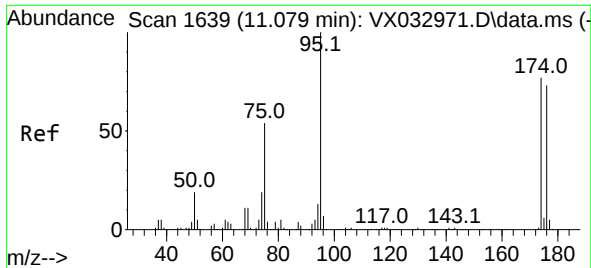
Tgt Ion: 92 Resp: 3660

Ion Ratio Lower Upper

92 100

91 165.5 138.3 207.5

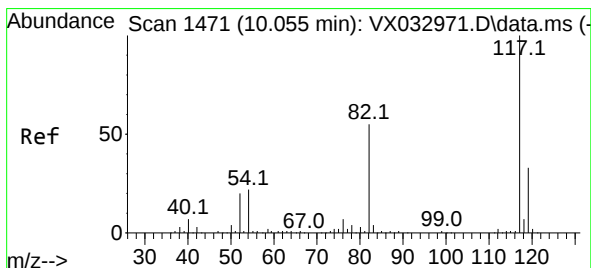
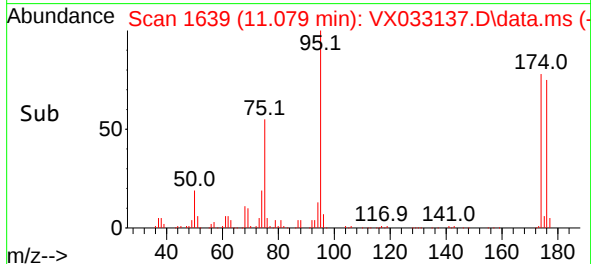
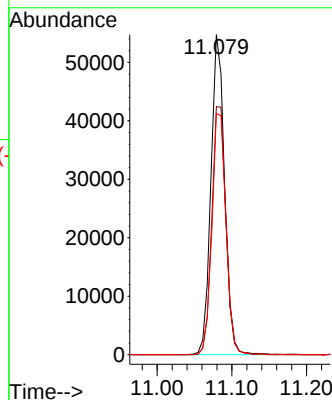
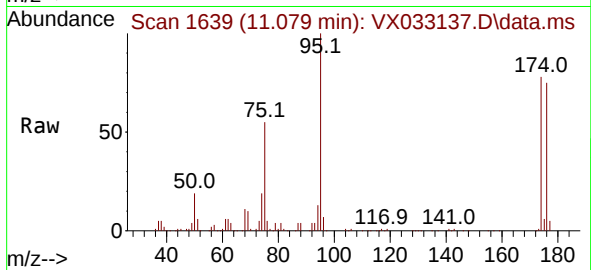




#62  
4-Bromofluorobenzene  
Concen: 44.910 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX033137.D  
Acq: 30 Nov 2022 17:14

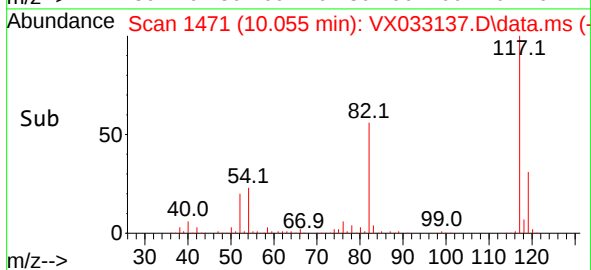
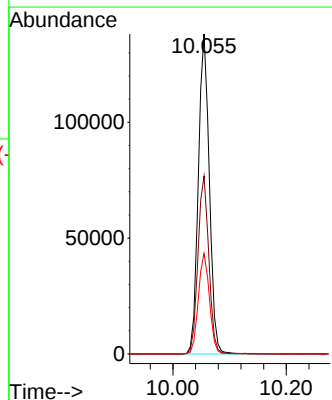
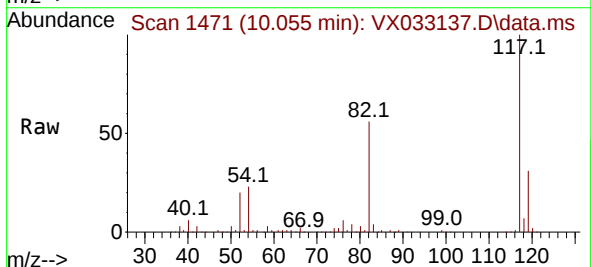
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01

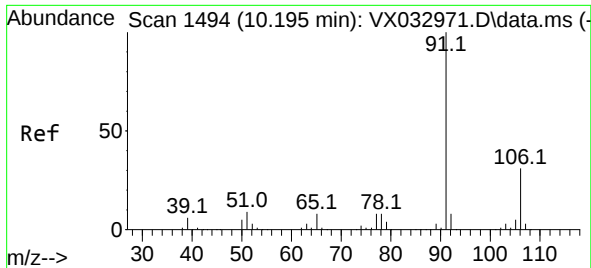
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Ion Ratio Lower Upper  
95 100  
174 81.2 0.0 164.0  
176 78.2 0.0 154.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX033137.D  
Acq: 30 Nov 2022 17:14

Tgt Ion: 117 Resp: 185554  
Ion Ratio Lower Upper  
117 100  
82 55.6 44.3 66.5  
119 31.4 25.7 38.5

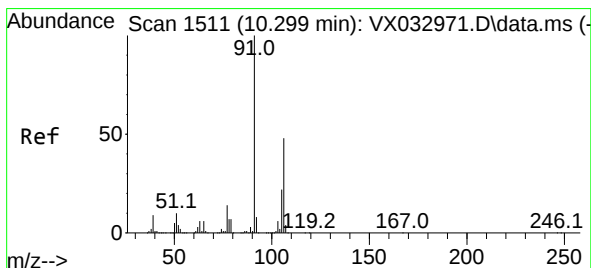
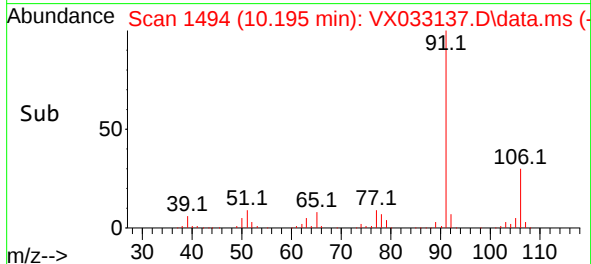
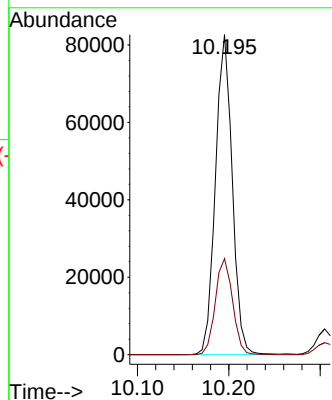
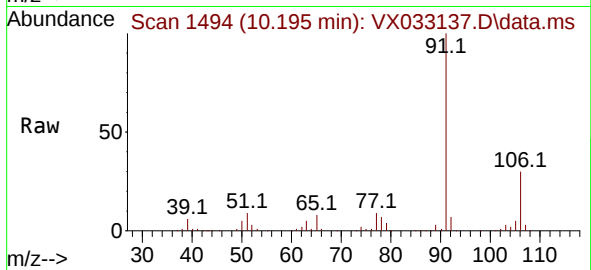




#67  
Ethyl Benzene  
Concen: 16.069 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX033137.D  
Acq: 30 Nov 2022 17:14

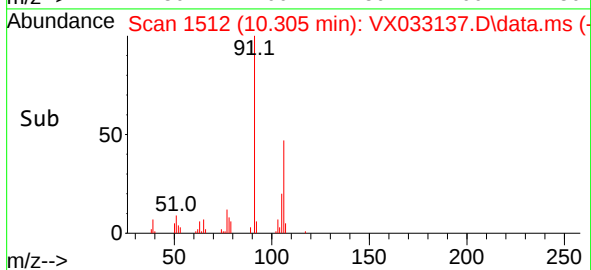
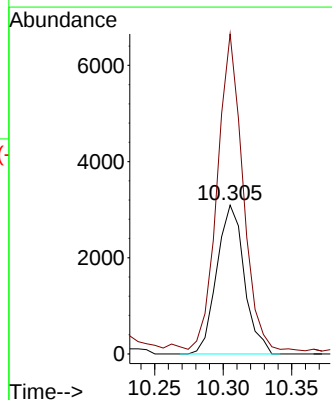
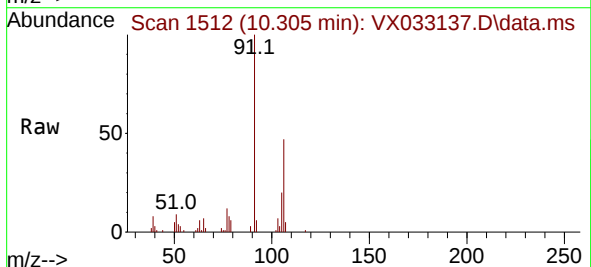
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01

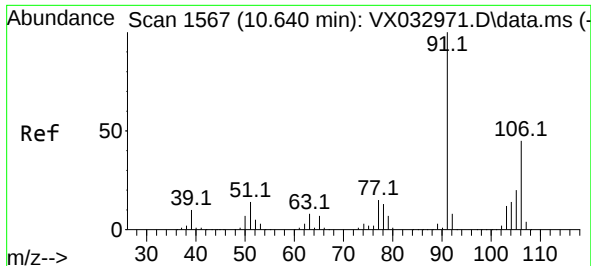
Tgt Ion: 91 Resp: 105454  
Ion Ratio Lower Upper  
91 100  
106 30.0 25.0 37.6



#68  
m/p-Xylenes  
Concen: 1.680 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. -0.000 min  
Lab File: VX033137.D  
Acq: 30 Nov 2022 17:14

Tgt Ion: 106 Resp: 4317  
Ion Ratio Lower Upper  
106 100  
91 199.4 164.5 246.7

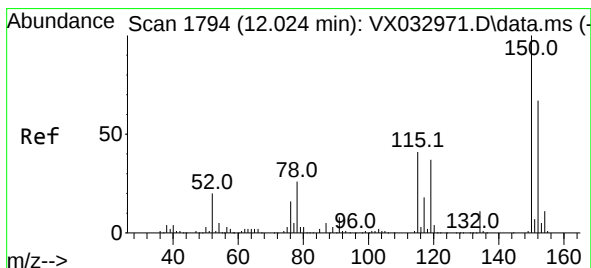
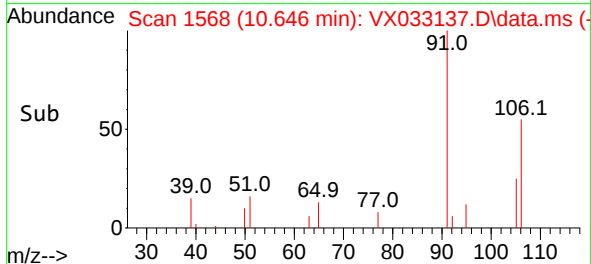
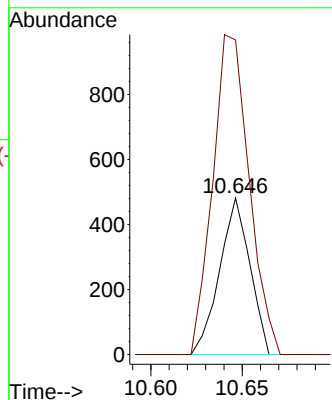
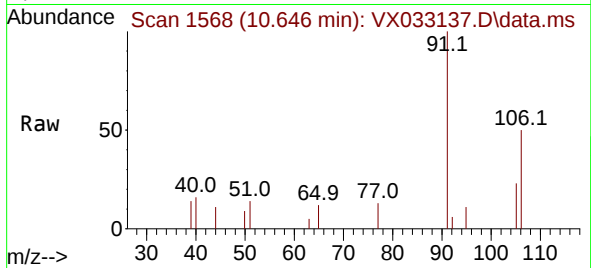




#69  
o-Xylene  
Concen: 0.223 ug/l  
RT: 10.646 min Scan# 1567  
Delta R.T. 0.006 min  
Lab File: VX033137.D  
Acq: 30 Nov 2022 17:14

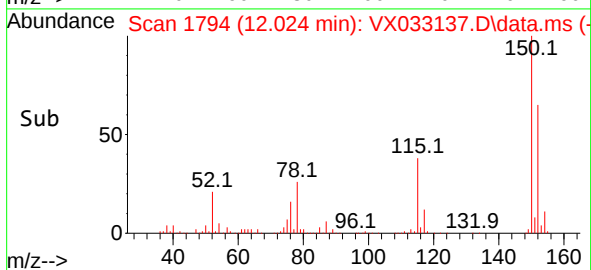
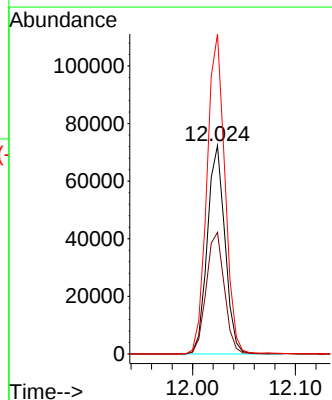
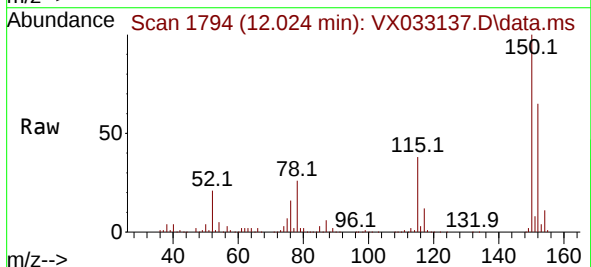
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01

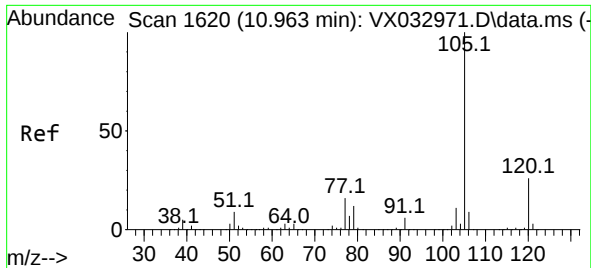
Tgt Ion:106 Resp: 555  
Ion Ratio Lower Upper  
106 100  
91 245.9 109.2 327.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX033137.D  
Acq: 30 Nov 2022 17:14

Tgt Ion:152 Resp: 86554  
Ion Ratio Lower Upper  
152 100  
115 60.2 44.0 132.0  
150 157.1 0.0 351.8

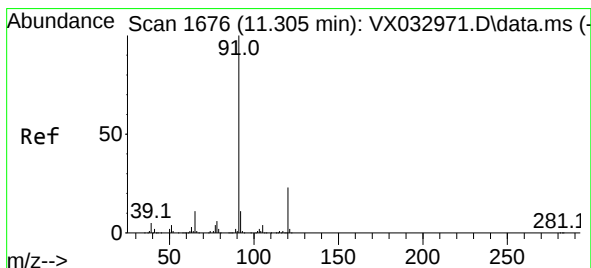
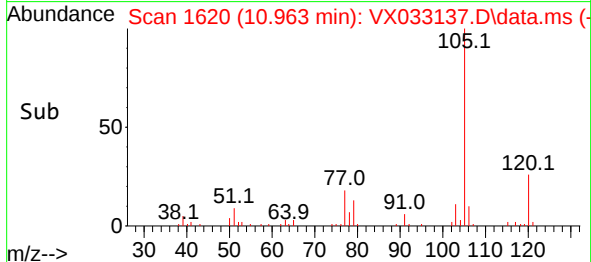
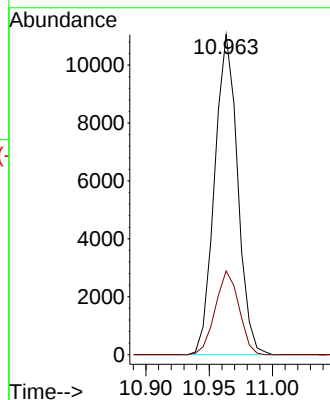
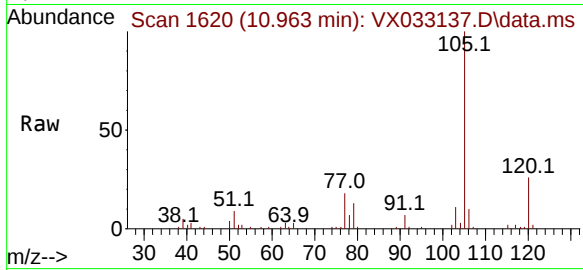




#73  
Isopropylbenzene  
Concen: 2.256 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX033137.D  
Acq: 30 Nov 2022 17:14

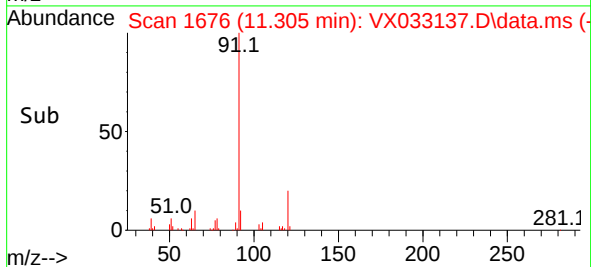
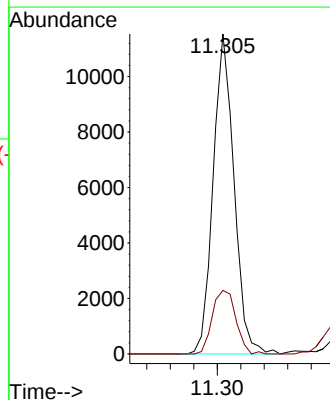
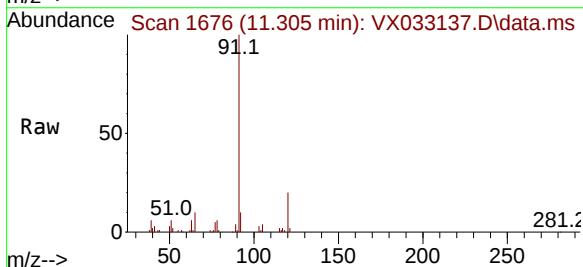
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01

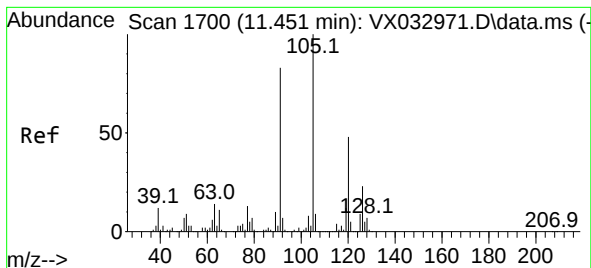
Tgt Ion:105 Resp: 13951  
Ion Ratio Lower Upper  
105 100  
120 26.9 13.1 39.3



#78  
n-propylbenzene  
Concen: 2.009 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX033137.D  
Acq: 30 Nov 2022 17:14

Tgt Ion: 91 Resp: 14210  
Ion Ratio Lower Upper  
91 100  
120 22.4 11.6 34.8





#80

1,3,5-Trimethylbenzene

Concen: 0.265 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033137.D

Acq: 30 Nov 2022 17:14

Instrument :

MSVOA\_X

ClientSampleId :

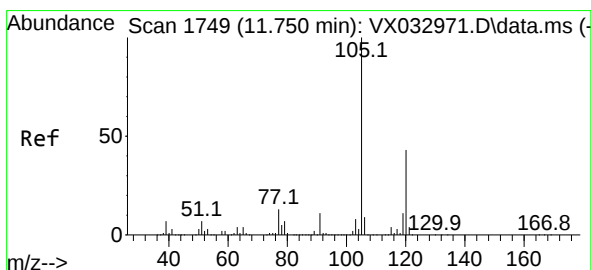
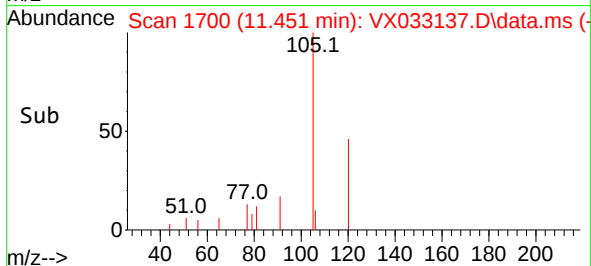
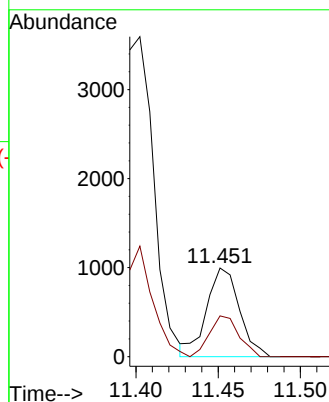
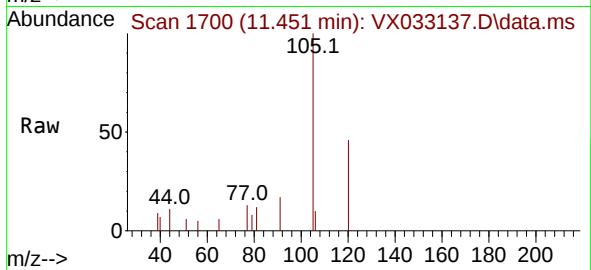
MW-01

Tgt Ion:105 Resp: 1377

Ion Ratio Lower Upper

105 100

120 41.2 23.6 71.0



#84

1,2,4-Trimethylbenzene

Concen: 2.408 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX033137.D

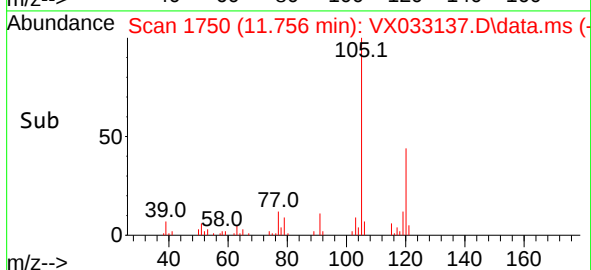
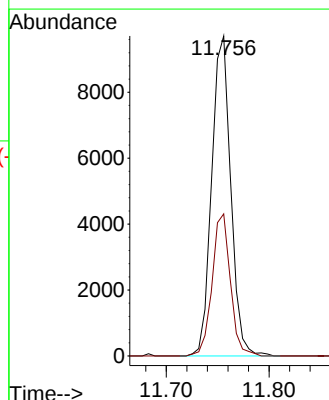
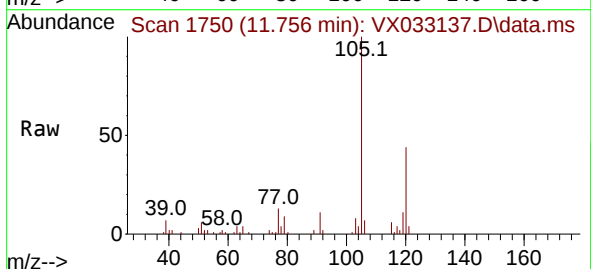
Acq: 30 Nov 2022 17:14

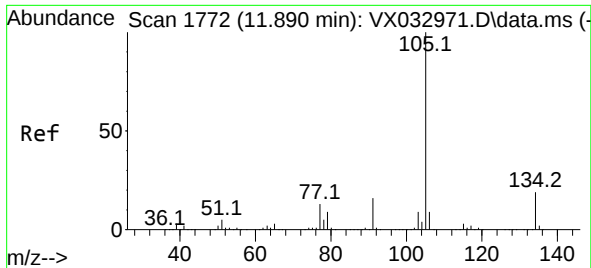
Tgt Ion:105 Resp: 12478

Ion Ratio Lower Upper

105 100

120 42.6 21.9 65.5

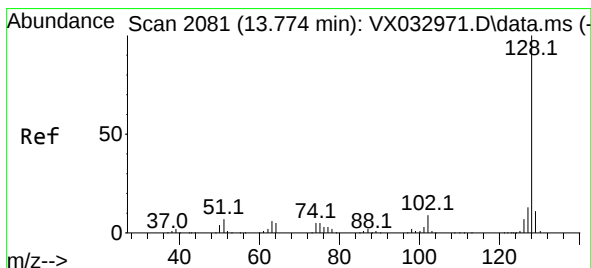
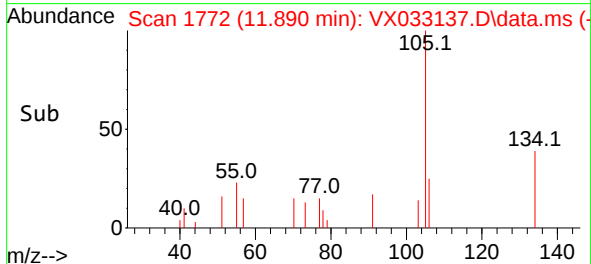
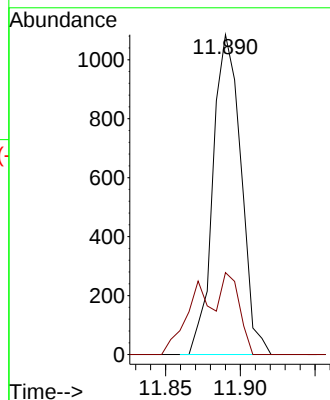
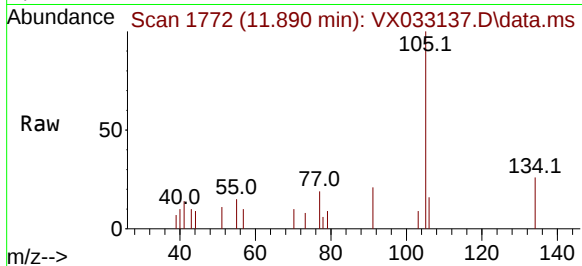




#85  
 sec-Butylbenzene  
 Concen: 0.229 ug/l  
 RT: 11.890 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX033137.D  
 Acq: 30 Nov 2022 17:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-01

Tgt Ion:105 Resp: 1415  
 Ion Ratio Lower Upper  
 105 100  
 134 16.1 9.9 29.7



#95  
 Naphthalene  
 Concen: 1.156 ug/l  
 RT: 13.780 min Scan# 2082  
 Delta R.T. -0.000 min  
 Lab File: VX033137.D  
 Acq: 30 Nov 2022 17:14

Tgt Ion:128 Resp: 6400  
 Ion Ratio Lower Upper  
 128 100  
 127 12.6 10.2 15.4  
 129 10.3 8.9 13.3

