

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021125\  
 Data File : VX044905.D  
 Acq On : 11 Feb 2025 14:52  
 Operator : JC/MD  
 Sample : Q1332-01DL 2X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW1DL

Quant Time: Feb 12 07:21:51 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

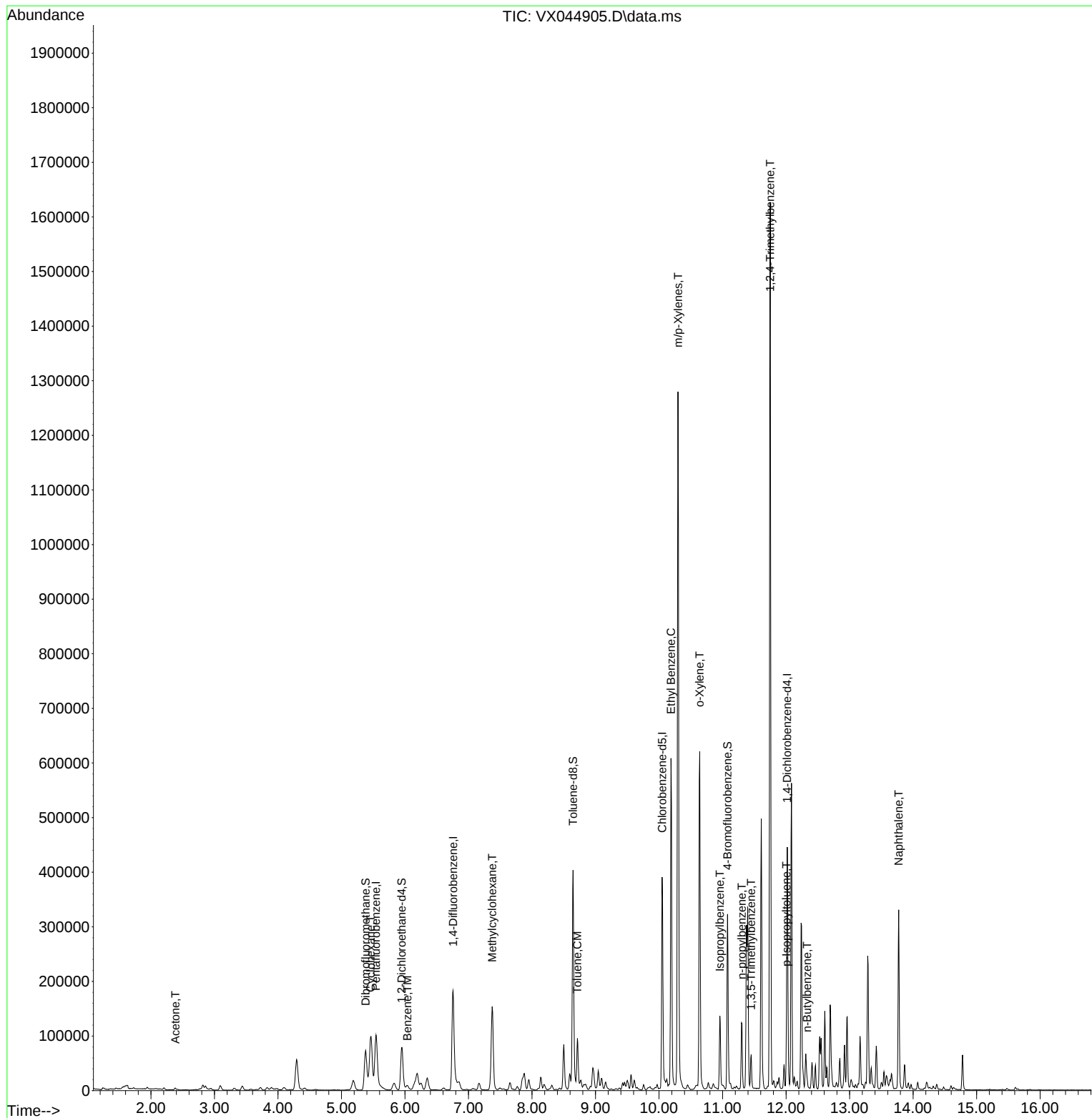
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 5.544  | 168   | 96361    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757  | 114   | 194399   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 10.049 | 117   | 179329   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018 | 152   | 80982    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 5.946  | 65    | 74633    | 52.911   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 105.820% |          |
| 35) Dibromofluoromethane    | 5.379  | 113   | 63256    | 50.048   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 100.100% |          |
| 50) Toluene-d8              | 8.647  | 98    | 240764   | 50.376   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 100.760% |          |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 87127    | 54.075   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 108.140% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 2.386  | 43    | 4276     | 7.541    | ug/l #     | 83       |
| 31) Cyclohexane             | 5.458  | 56    | 71242    | 32.522   | ug/l       | 97       |
| 39) Methylcyclohexane       | 7.373  | 83    | 68869    | 29.213   | ug/l       | 98       |
| 40) Benzene                 | 6.037  | 78    | 10130    | 1.779    | ug/l       | 98       |
| 52) Toluene                 | 8.714  | 92    | 35618    | 10.503   | ug/l       | 97       |
| 67) Ethyl Benzene           | 10.189 | 91    | 360090   | 52.977   | ug/l       | 99       |
| 68) m/p-Xylenes             | 10.299 | 106   | 294019   | 117.264  | ug/l       | 99       |
| 69) o-Xylene                | 10.640 | 106   | 134603   | 53.501   | ug/l       | 99       |
| 73) Isopropylbenzene        | 10.957 | 105   | 71219    | 10.922   | ug/l       | 99       |
| 78) n-propylbenzene         | 11.305 | 91    | 79483    | 10.561   | ug/l       | 100      |
| 80) 1,3,5-Trimethylbenzene  | 11.451 | 105   | 27988    | 5.289    | ug/l       | 97       |
| 84) 1,2,4-Trimethylbenzene  | 11.750 | 105   | 673235   | 128.908  | ug/l       | 100      |
| 86) p-Isopropyltoluene      | 12.006 | 119   | 14967    | 2.808    | ug/l       | 97       |
| 89) n-Butylbenzene          | 12.329 | 91    | 10361    | 2.197    | ug/l #     | 43       |
| 95) Naphthalene             | 13.774 | 128   | 192285   | 32.901   | ug/l       | 99       |
| -----                       |        |       |          |          |            |          |

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

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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW1DL

Quant Time: Feb 12 07:21:51 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
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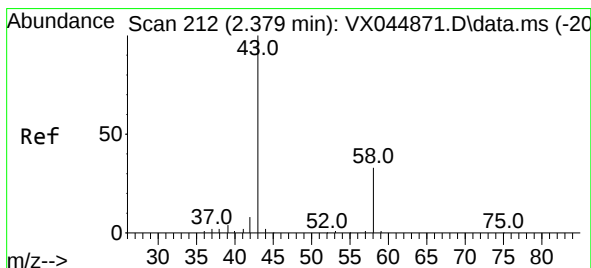
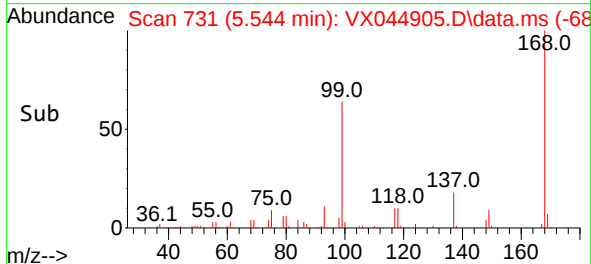
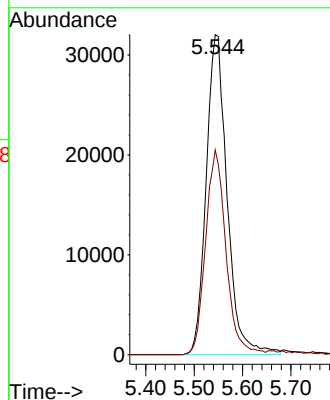
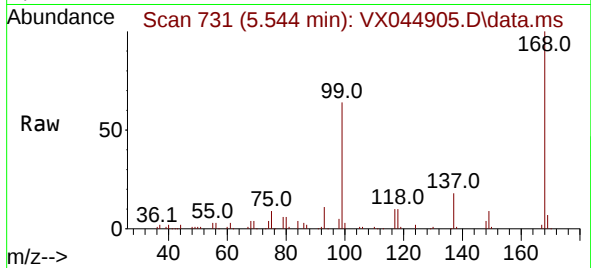




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

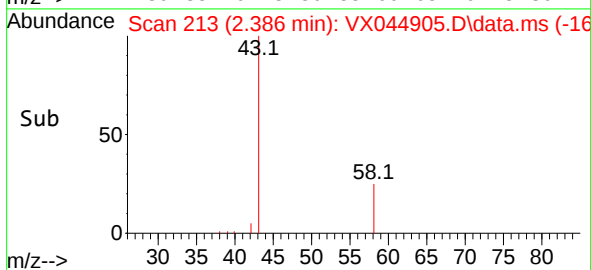
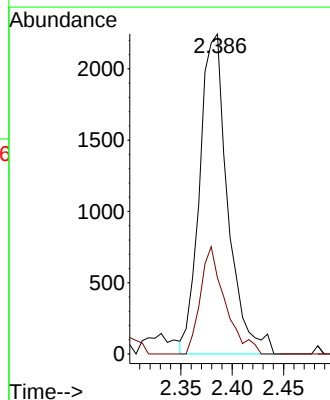
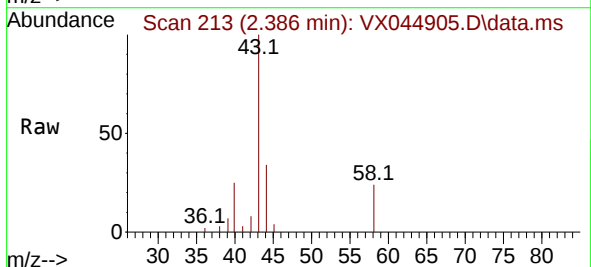
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW1DL

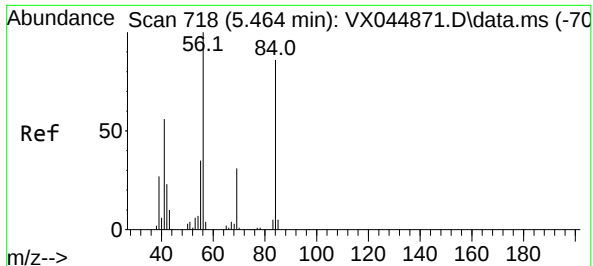
Tgt Ion:168 Resp: 96361  
Ion Ratio Lower Upper  
168 100  
99 64.0 51.2 76.8



#16  
Acetone  
Concen: 7.541 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

Tgt Ion: 43 Resp: 4276  
Ion Ratio Lower Upper  
43 100  
58 23.7 26.5 39.7#

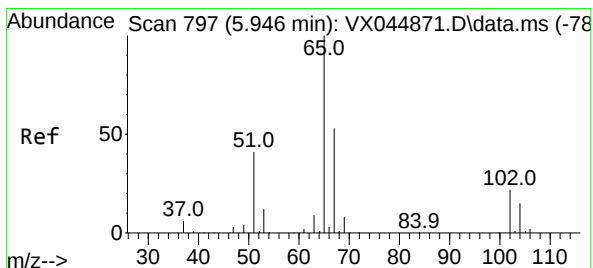
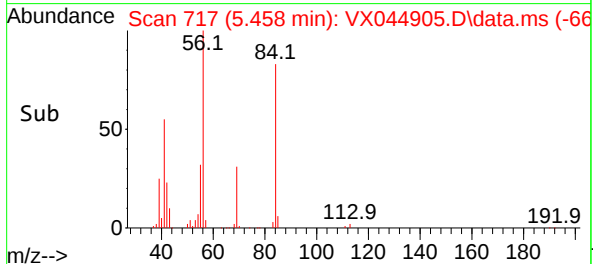
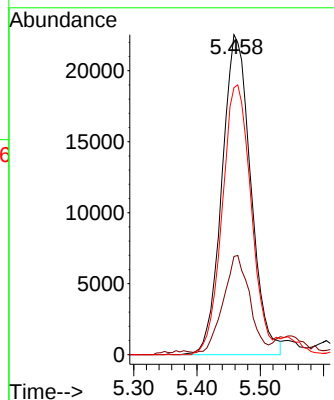
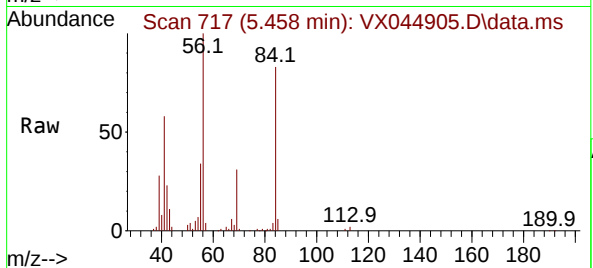




#31  
Cyclohexane  
Concen: 32.522 ug/l  
RT: 5.458 min Scan# 718  
Delta R.T. -0.006 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

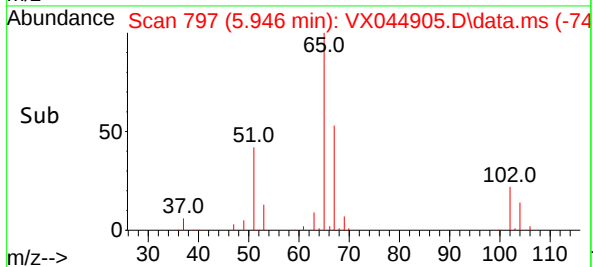
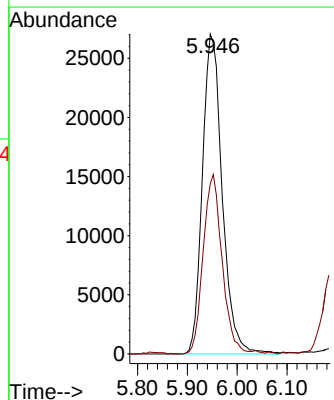
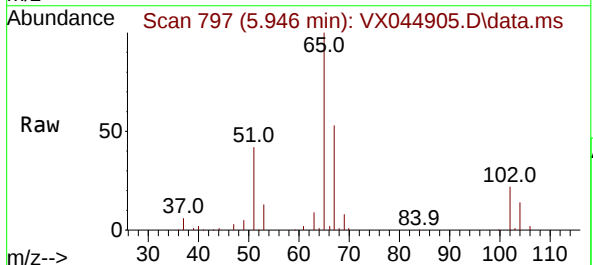
Instrument :  
MSVOA\_X  
ClientSampleId :  
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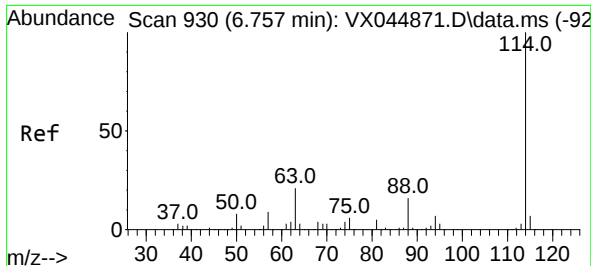
Tgt Ion: 56 Resp: 71242  
Ion Ratio Lower Upper  
56 100  
69 29.8 24.4 36.6  
84 83.5 69.0 103.6



#33  
1,2-Dichloroethane-d4  
Concen: 52.911 ug/l  
RT: 5.946 min Scan# 797  
Delta R.T. 0.000 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

Tgt Ion: 65 Resp: 74633  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 108.2

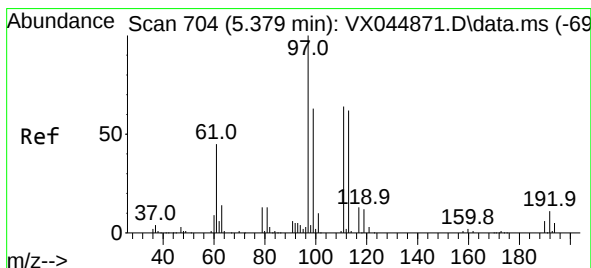
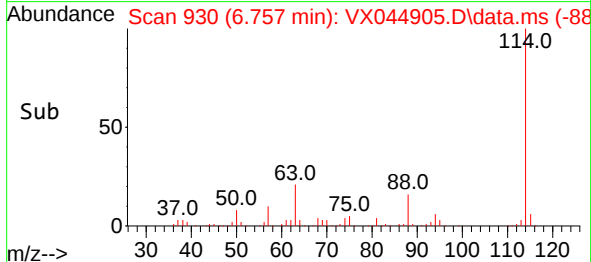
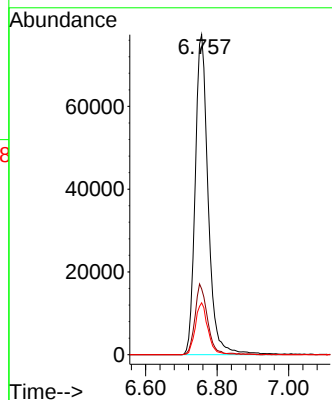
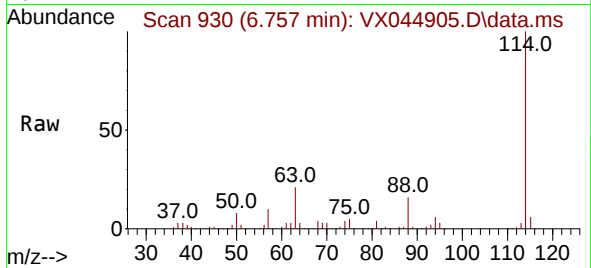




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

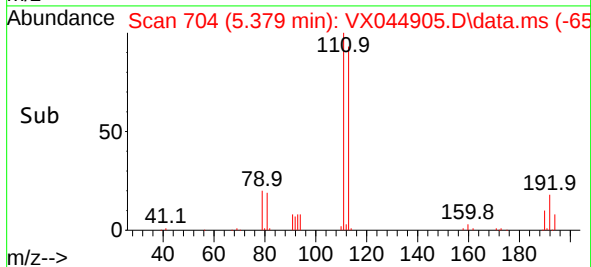
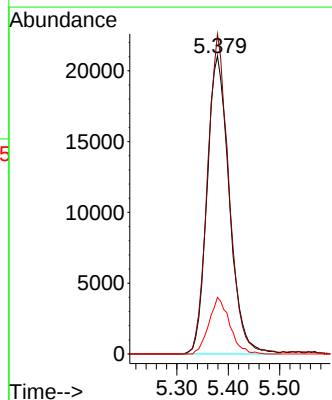
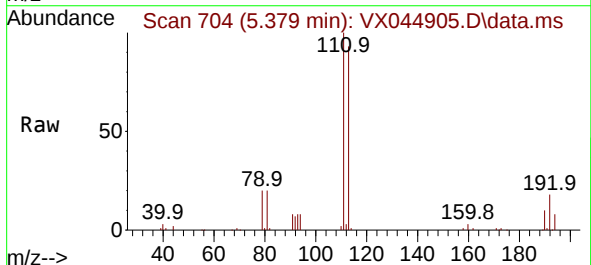
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW1DL

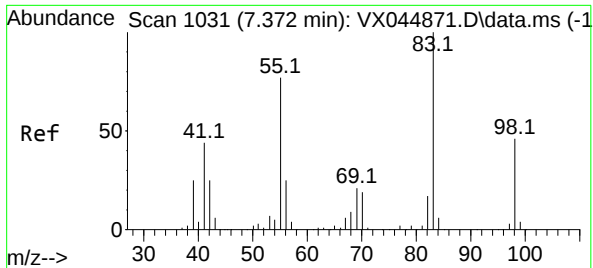
Tgt Ion:114 Resp: 194399  
Ion Ratio Lower Upper  
114 100  
63 20.6 0.0 42.4  
88 16.2 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 50.048 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.000 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

Tgt Ion:113 Resp: 63256  
Ion Ratio Lower Upper  
113 100  
111 103.3 83.5 125.3  
192 17.7 14.4 21.6





#39

Methylcyclohexane

Concen: 29.213 ug/l

RT: 7.373 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044905.D

Acq: 11 Feb 2025 14:52

Instrument :

MSVOA\_X

ClientSampleId :

MW1DL

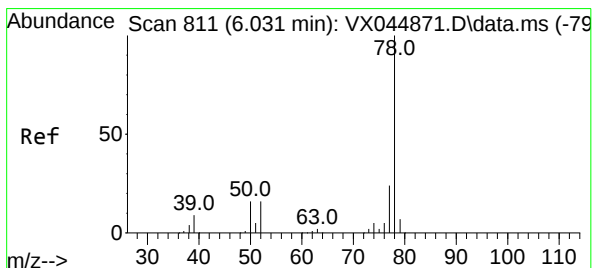
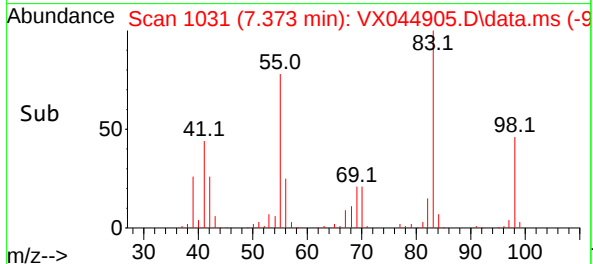
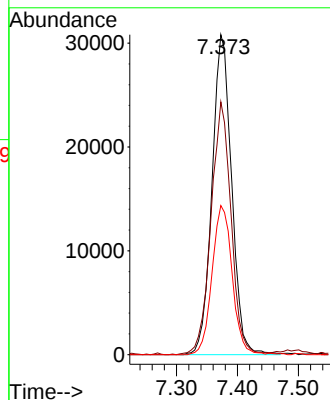
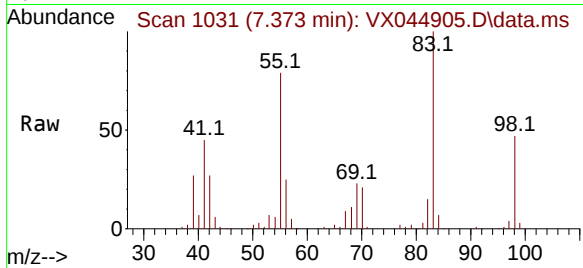
Tgt Ion: 83 Resp: 68869

Ion Ratio Lower Upper

83 100

55 78.8 61.3 91.9

98 46.6 37.0 55.6



#40

Benzene

Concen: 1.779 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX044905.D

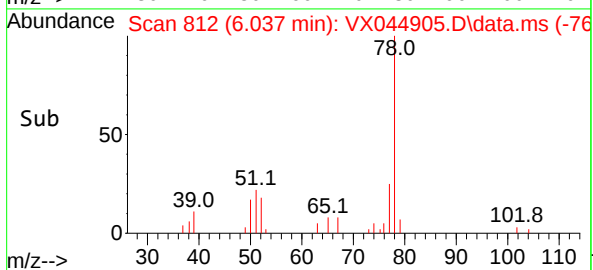
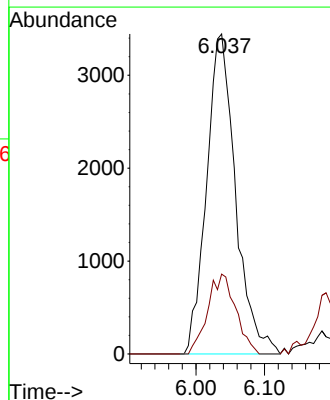
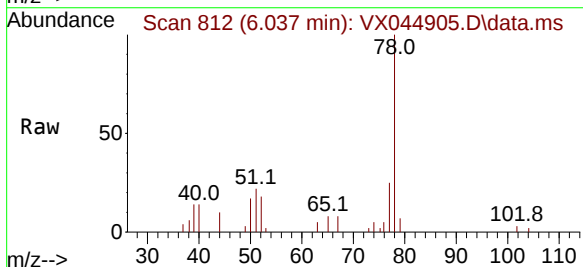
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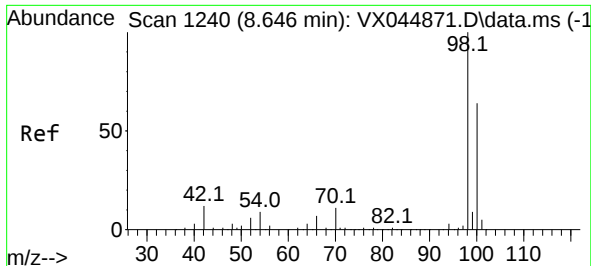
Tgt Ion: 78 Resp: 10130

Ion Ratio Lower Upper

78 100

77 24.9 19.0 28.6

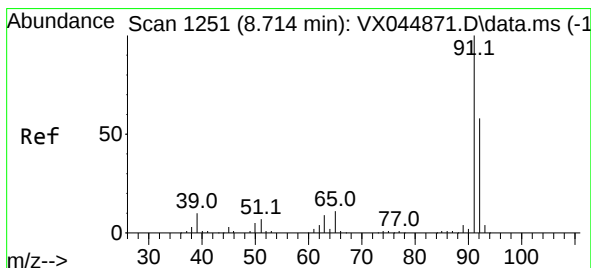
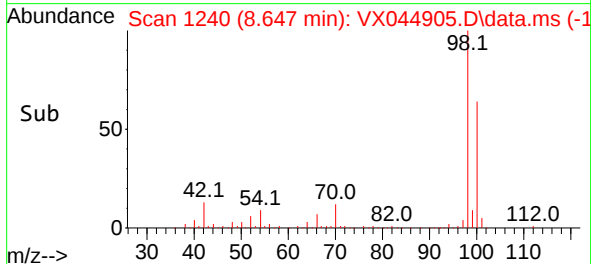
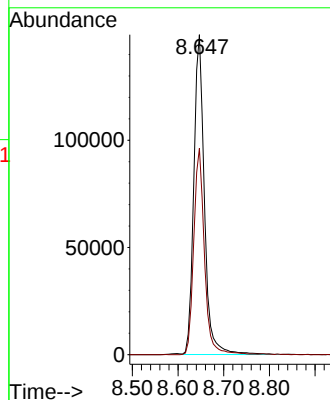
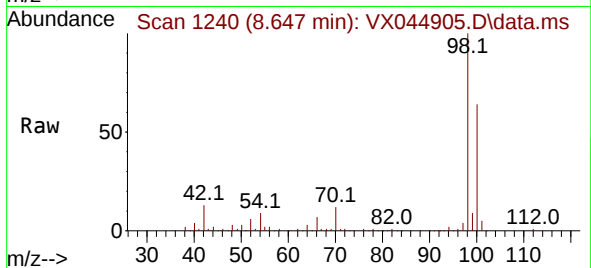




#50  
Toluene-d8  
Concen: 50.376 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

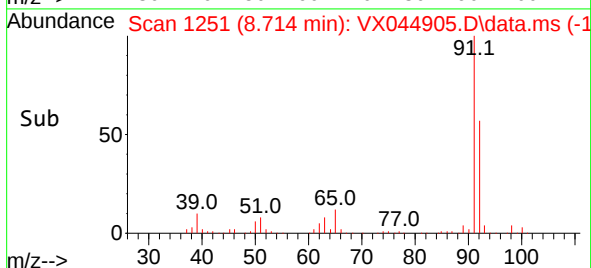
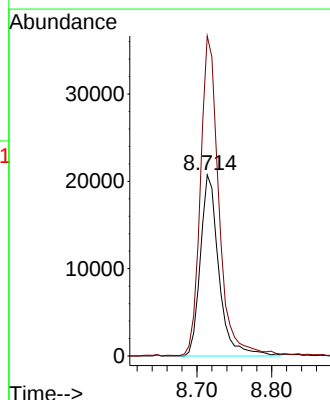
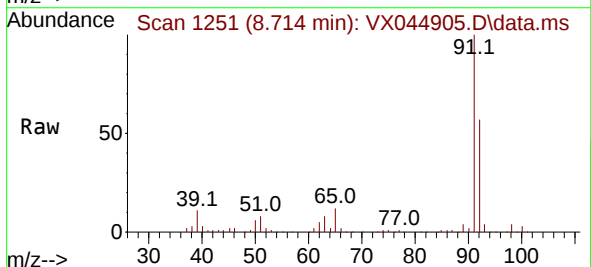
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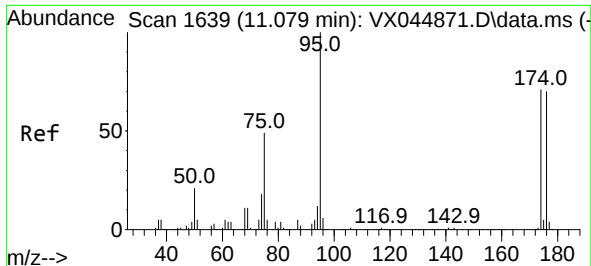
Tgt Ion: 98 Resp: 240764  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.7 79.1



#52  
Toluene  
Concen: 10.503 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. 0.000 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

Tgt Ion: 92 Resp: 35618  
Ion Ratio Lower Upper  
92 100  
91 175.3 137.4 206.2

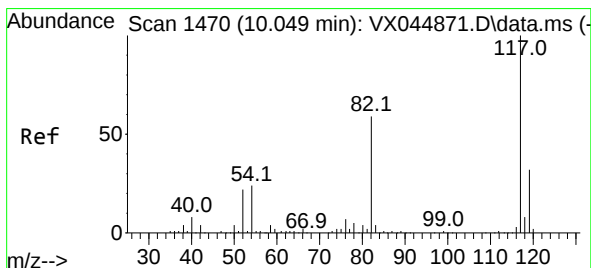
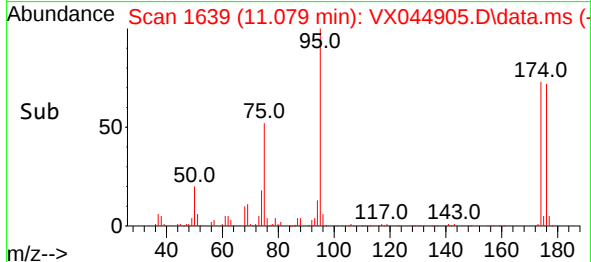
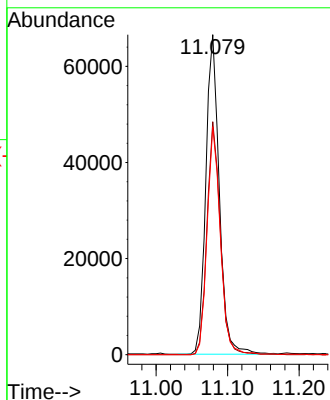
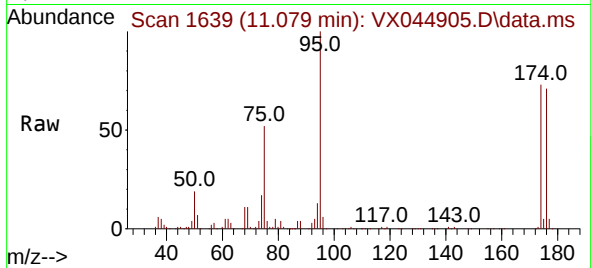




#62  
4-Bromofluorobenzene  
Concen: 54.075 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

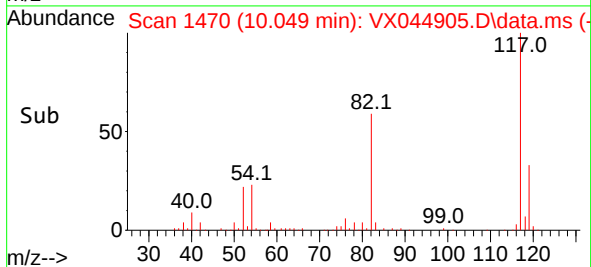
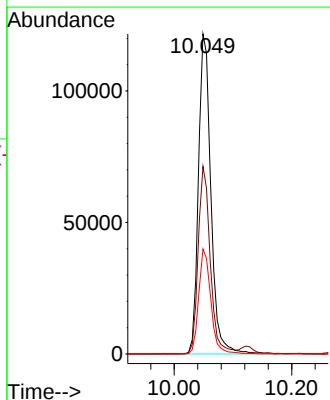
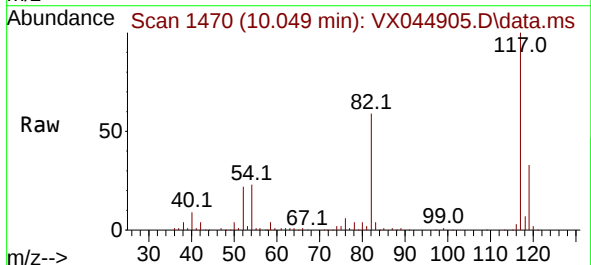
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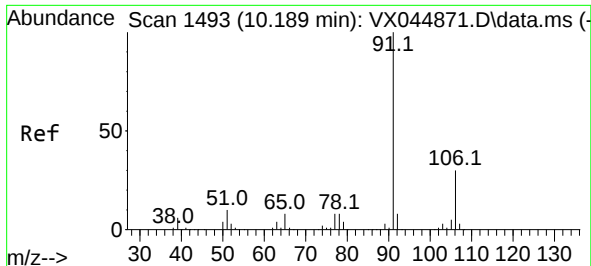
Tgt Ion: 95 Resp: 87127  
Ion Ratio Lower Upper  
95 100  
174 72.3 0.0 142.6  
176 69.9 0.0 141.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

Tgt Ion: 117 Resp: 179329  
Ion Ratio Lower Upper  
117 100  
82 58.6 47.5 71.3  
119 32.8 25.4 38.0

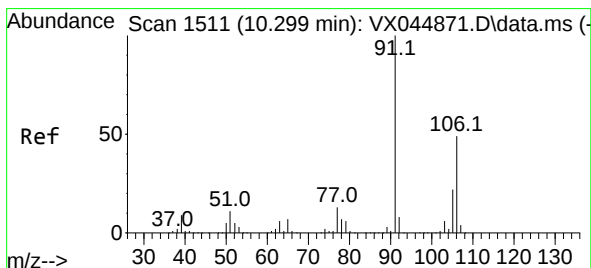
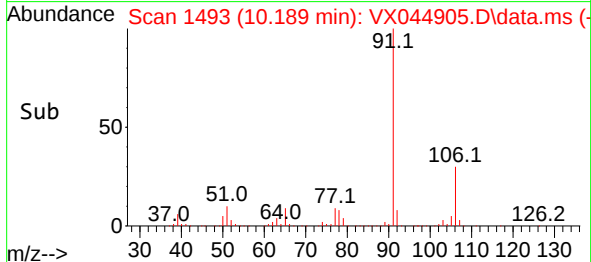
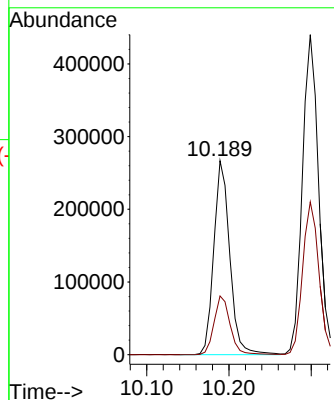
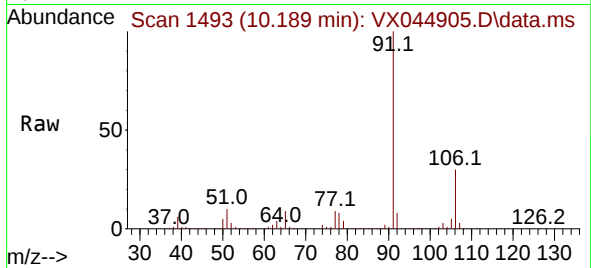




#67  
Ethyl Benzene  
Concen: 52.977 ug/l  
RT: 10.189 min Scan# 1493  
Delta R.T. 0.000 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

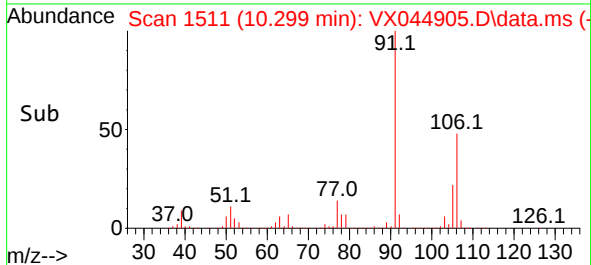
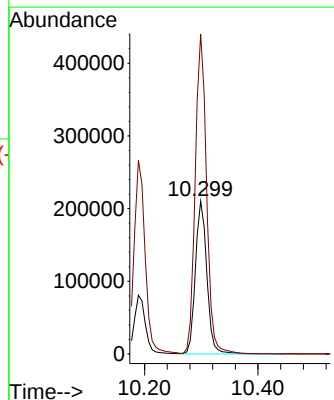
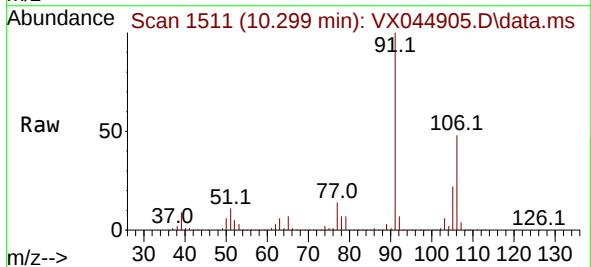
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW1DL

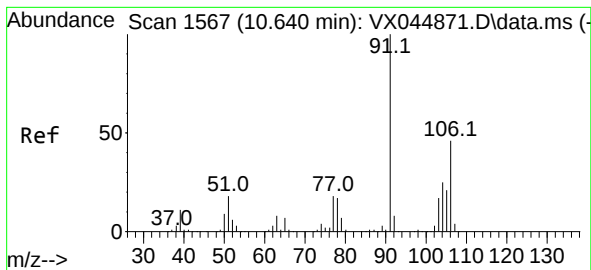
Tgt Ion: 91 Resp: 360090  
Ion Ratio Lower Upper  
91 100  
106 30.2 23.9 35.9



#68  
m/p-Xylenes  
Concen: 117.264 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

Tgt Ion: 106 Resp: 294019  
Ion Ratio Lower Upper  
106 100  
91 207.1 164.3 246.5





#69

o-Xylene

Concen: 53.501 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044905.D

Acq: 11 Feb 2025 14:52

Instrument :

MSVOA\_X

ClientSampleId :

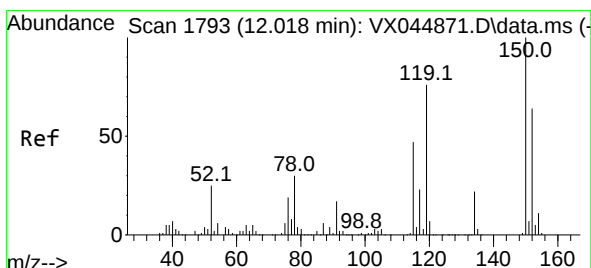
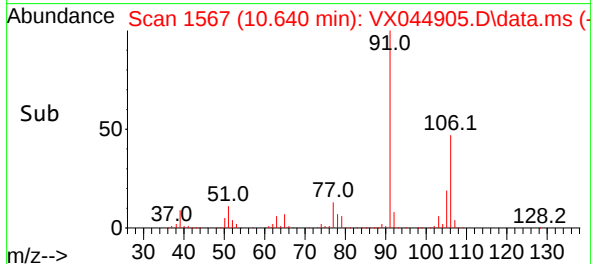
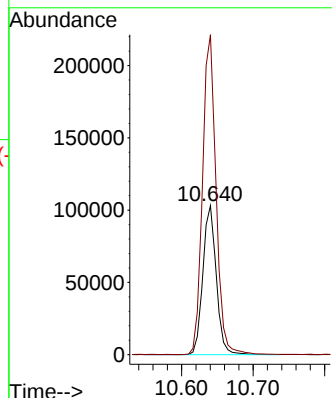
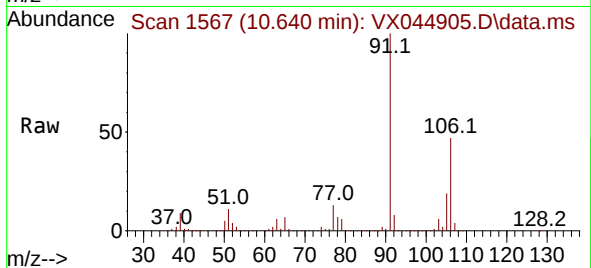
MW1DL

Tgt Ion:106 Resp: 134603

Ion Ratio Lower Upper

106 100

91 216.0 108.5 325.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044905.D

Acq: 11 Feb 2025 14:52

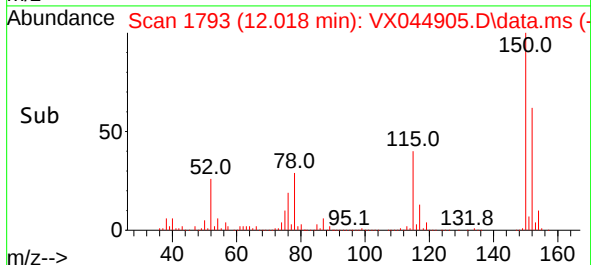
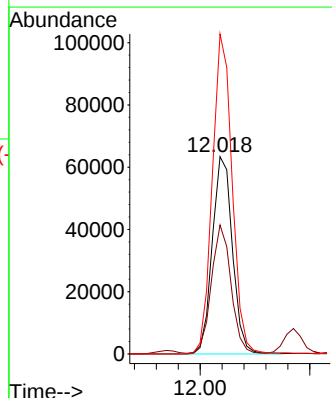
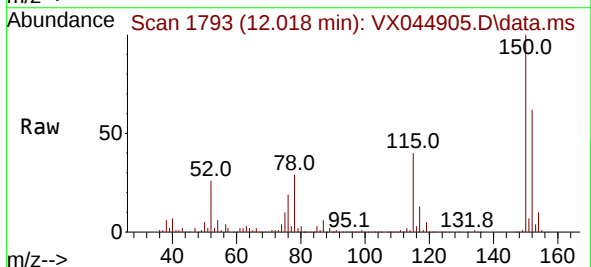
Tgt Ion:152 Resp: 80982

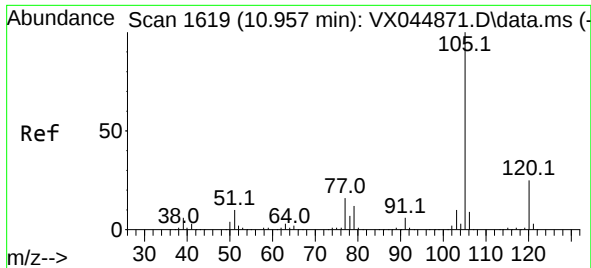
Ion Ratio Lower Upper

152 100

115 63.7 43.4 130.1

150 159.6 0.0 350.4

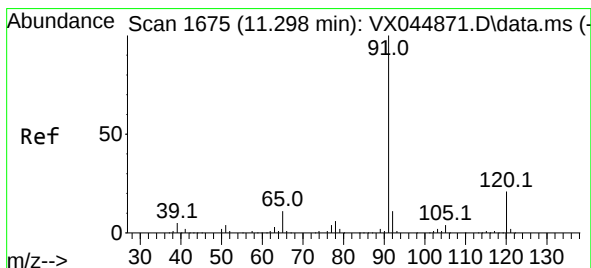
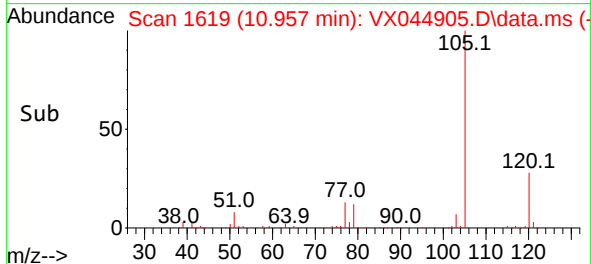
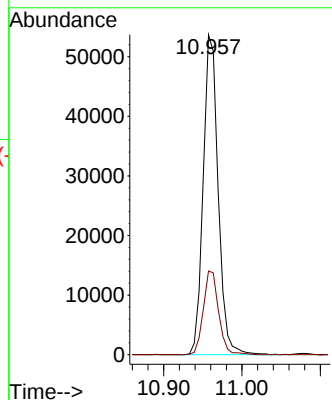
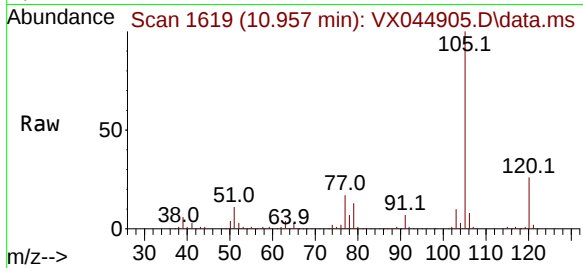




#73  
Isopropylbenzene  
Concen: 10.922 ug/l  
RT: 10.957 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

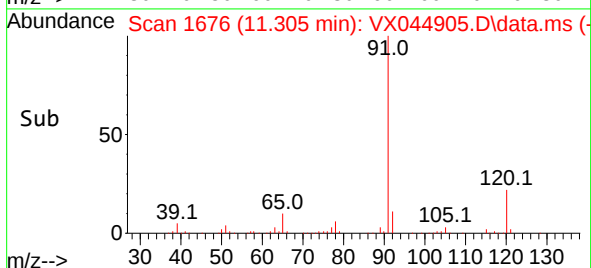
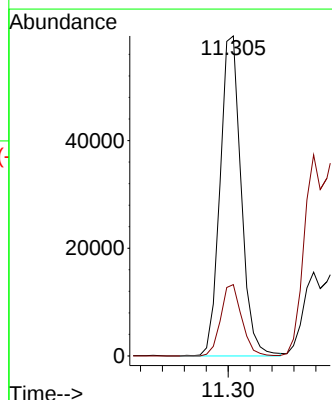
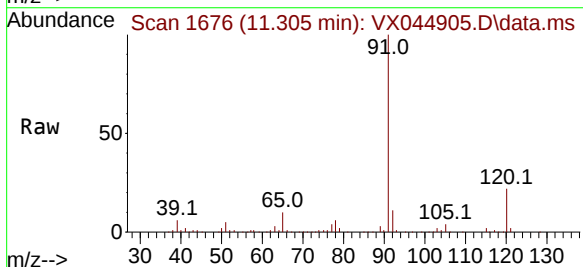
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW1DL

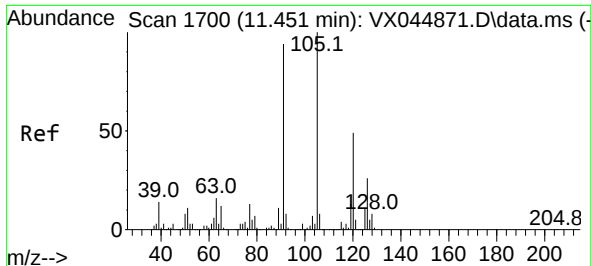
Tgt Ion:105 Resp: 71219  
Ion Ratio Lower Upper  
105 100  
120 26.7 13.2 39.5



#78  
n-propylbenzene  
Concen: 10.561 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. 0.006 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

Tgt Ion: 91 Resp: 79483  
Ion Ratio Lower Upper  
91 100  
120 22.2 11.1 33.3

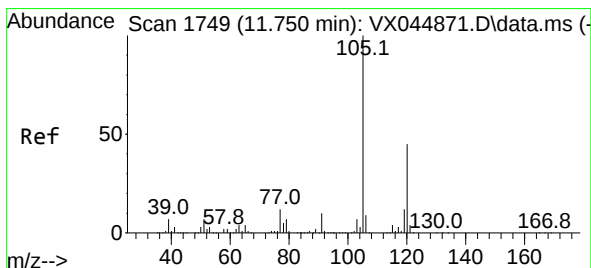
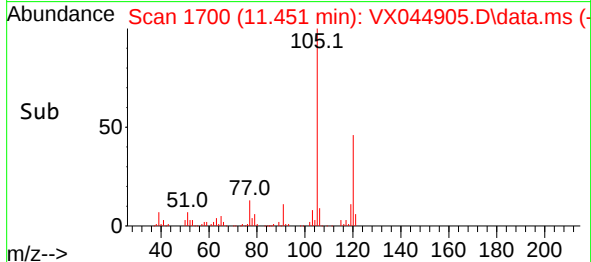
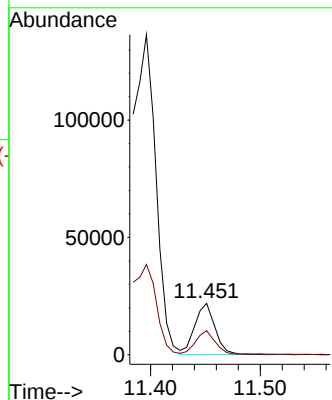
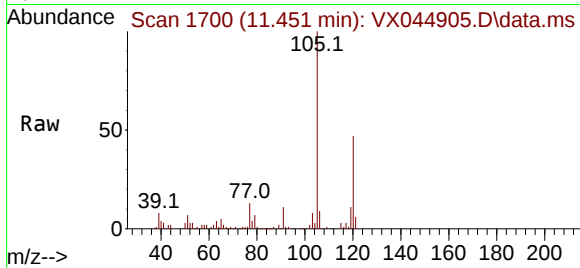




#80  
1,3,5-Trimethylbenzene  
Concen: 5.289 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

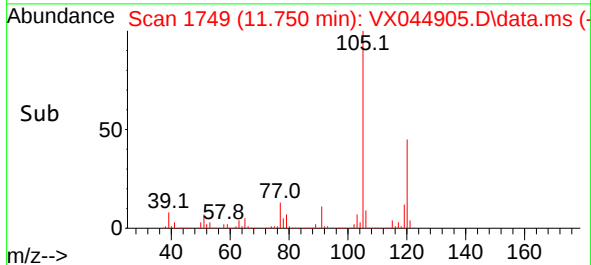
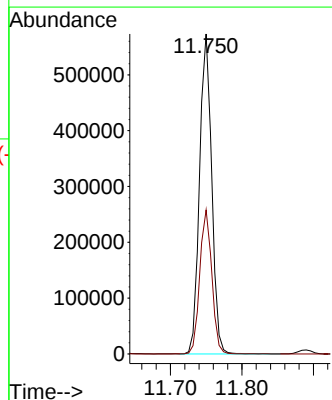
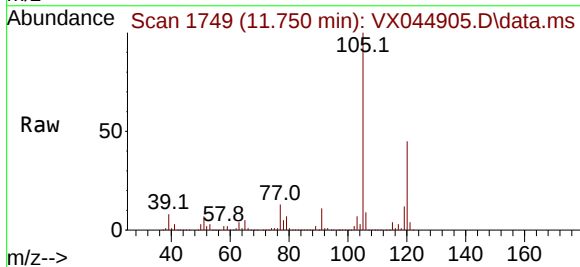
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW1DL

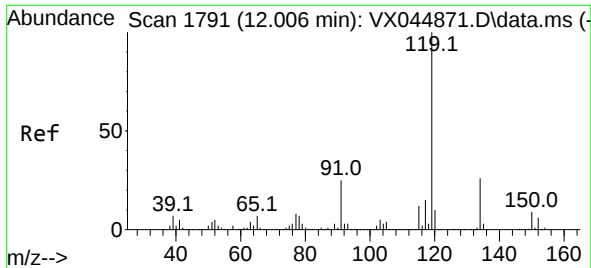
Tgt Ion:105 Resp: 27988  
Ion Ratio Lower Upper  
105 100  
120 46.1 24.0 72.0



#84  
1,2,4-Trimethylbenzene  
Concen: 128.908 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

Tgt Ion:105 Resp: 673235  
Ion Ratio Lower Upper  
105 100  
120 44.6 22.4 67.0

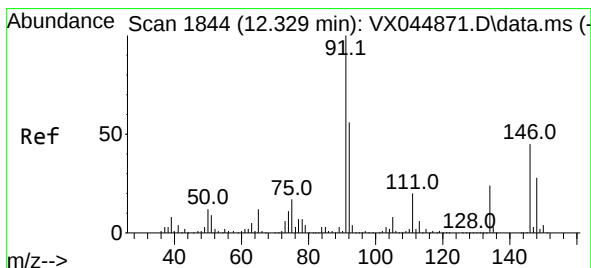
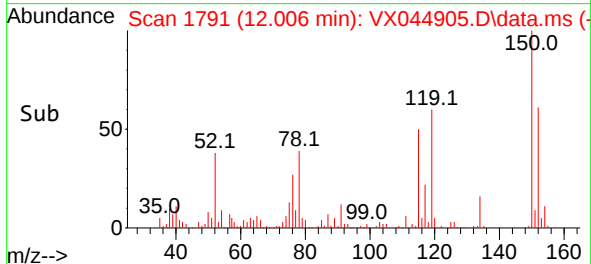
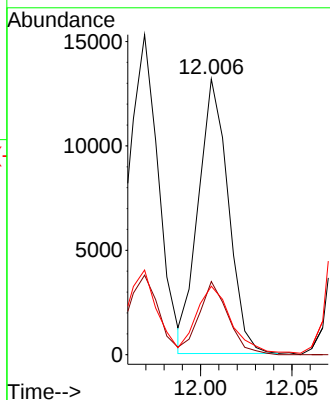
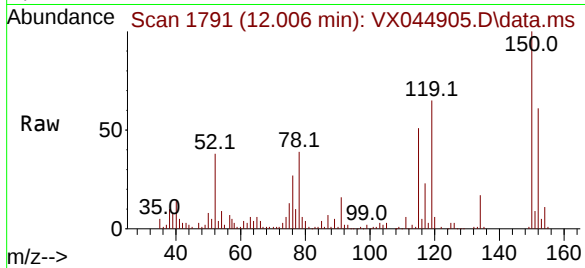




#86  
p-Isopropyltoluene  
Concen: 2.808 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

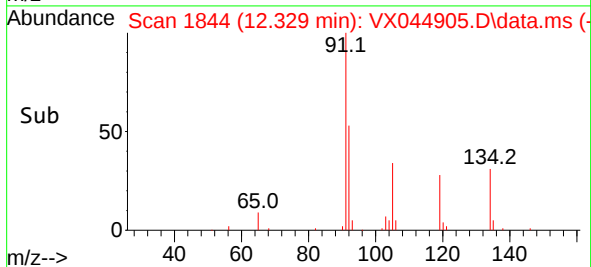
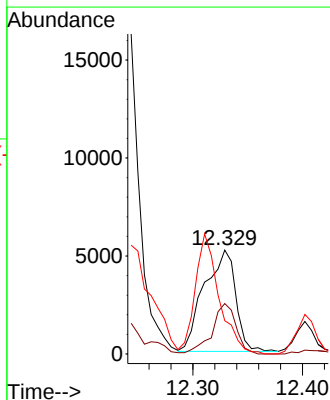
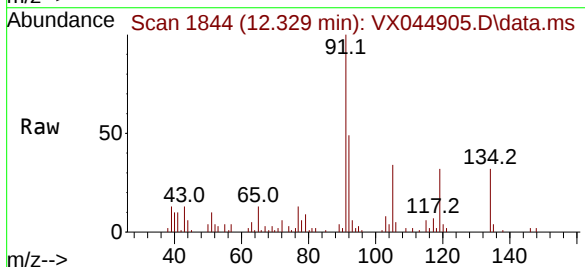
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW1DL

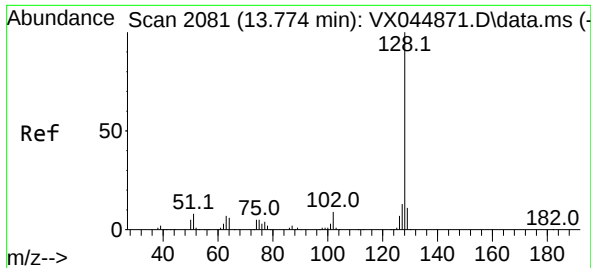
Tgt Ion: 119 Resp: 14967  
Ion Ratio Lower Upper  
119 100  
134 26.1 13.0 38.9  
91 27.0 12.1 36.3



#89  
n-Butylbenzene  
Concen: 2.197 ug/l  
RT: 12.329 min Scan# 1844  
Delta R.T. 0.000 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

Tgt Ion: 91 Resp: 10361  
Ion Ratio Lower Upper  
91 100  
92 37.5 27.2 81.6  
134 89.6 12.1 36.3#





#95  
Naphthalene  
Concen: 32.901 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. 0.000 min  
Lab File: VX044905.D  
Acq: 11 Feb 2025 14:52

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW1DL

Tgt Ion:128 Resp: 192285  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.1 15.1  
129 11.1 8.9 13.3

