

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120221\  
 Data File : VX025437.D  
 Acq On : 02 Dec 2021 18:40  
 Operator : JC/MD  
 Sample : M4917-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-23

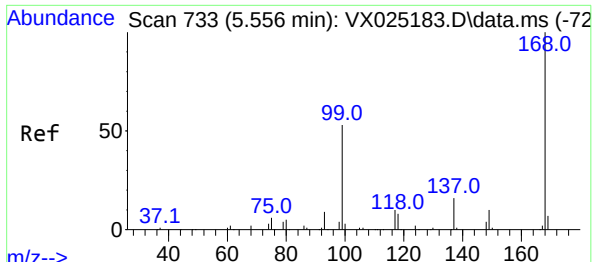
Quant Time: Dec 03 03:10:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 17 15:36:16 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.556  | 168   | 106918   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.769  | 114   | 179041   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 164366   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 84662    | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 60878    | 54.02    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 108.04%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 54588    | 49.69    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 99.38%   |
| 50) Toluene-d8              | 8.653  | 98    | 210037   | 50.85    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 101.70%  |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 77146    | 49.37    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 98.74%   |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol      | 2.965  | 59    | 13615    | 41.38    | ug/l   | # 72     |
| 31) Cyclohexane             | 5.477  | 56    | 680635   | 390.82   | ug/l   | 98       |
| 39) Methylcyclohexane       | 7.385  | 83    | 337891   | 168.64   | ug/l   | 96       |
| 40) Benzene                 | 6.044  | 78    | 684783   | 144.71   | ug/l   | 99       |
| 52) Toluene                 | 8.720  | 92    | 281899   | 91.25    | ug/l   | 97       |
| 67) Ethyl Benzene           | 10.201 | 91    | 5262385  | 909.15   | ug/l   | 92       |
| 68) m/p-Xylenes             | 10.317 | 106   | 3446326  | 1457.69  | ug/l   | 90       |
| 69) o-Xylene                | 10.646 | 106   | 484946   | 209.57   | ug/l   | 93       |
| 73) Isopropylbenzene        | 10.963 | 105   | 376158   | 62.34    | ug/l   | 97       |
| 78) n-propylbenzene         | 11.305 | 91    | 1154615  | 170.48   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 11.457 | 105   | 687702   | 135.59   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene  | 11.762 | 105   | 5008741  | 999.20   | ug/l   | 94       |
| 89) n-Butylbenzene          | 12.335 | 91    | 119799m  | 26.40    | ug/l   |          |
| -----                       |        |       |          |          |        |          |

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

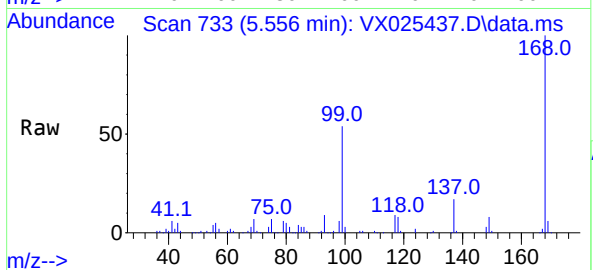
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Quant Title : SW846 8260  
QLast Update : Wed Nov 17 15:36:16 2021  
Response via : Initial Calibration



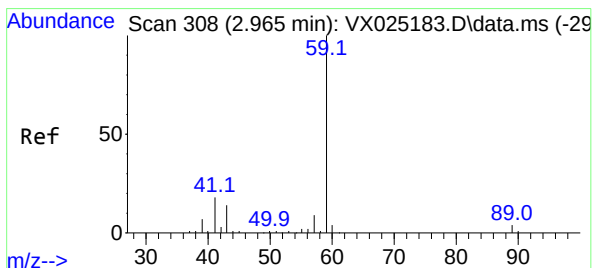
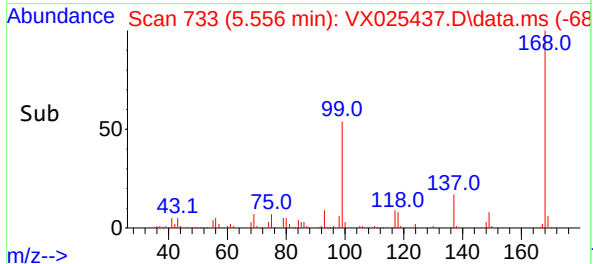
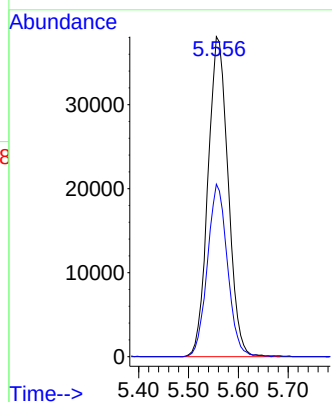


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

Instrument :  
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ClientSampleId :  
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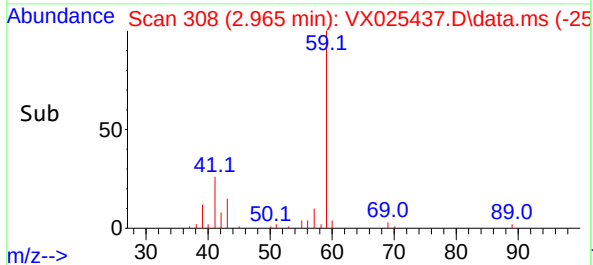
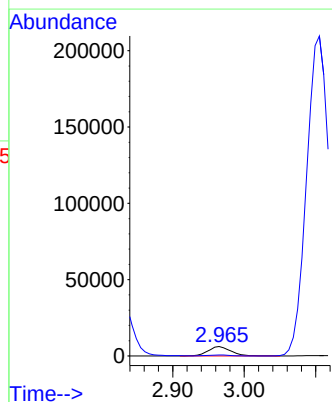
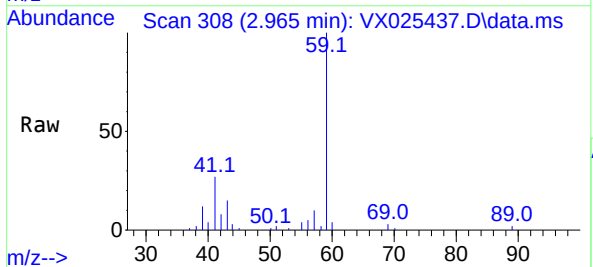


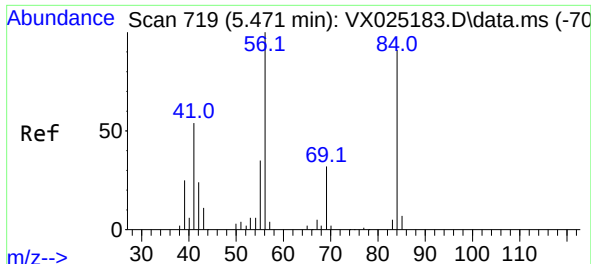
Tgt Ion:168 Resp: 106918  
Ion Ratio Lower Upper  
168 100  
99 53.9 46.4 69.6



#11  
Tert butyl alcohol  
Concen: 41.38 ug/l  
RT: 2.965 min Scan# 308  
Delta R.T. -0.000 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

Tgt Ion: 59 Resp: 13615  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#

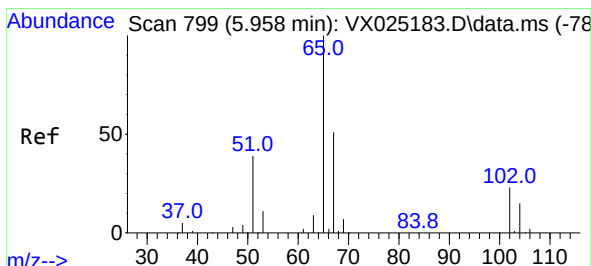
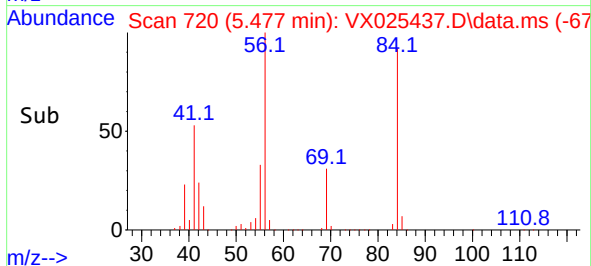
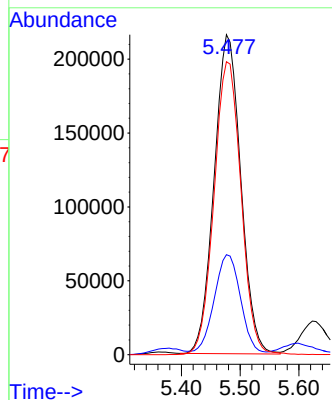
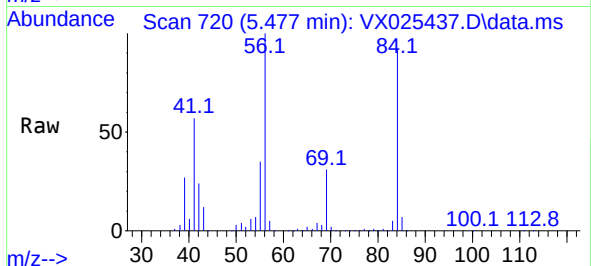




#31  
Cyclohexane  
Concen: 390.82 ug/l  
RT: 5.477 min Scan# 719  
Delta R.T. 0.006 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

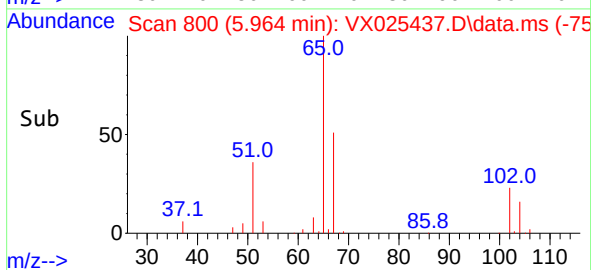
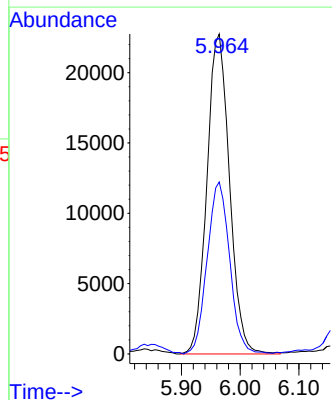
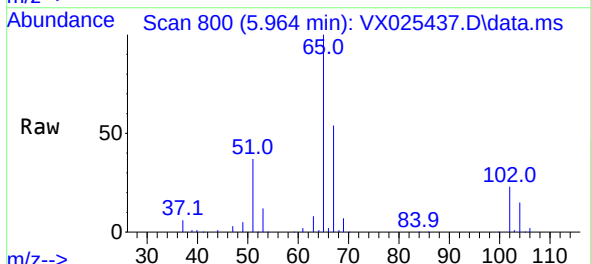
Instrument :  
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ClientSampleId :  
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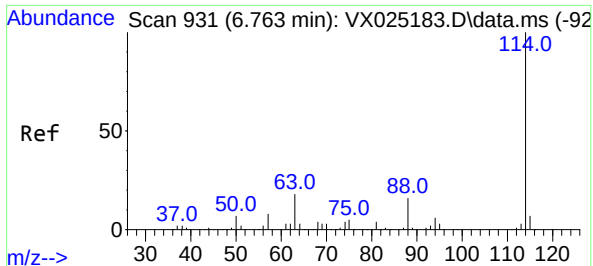
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Ion Ratio Lower Upper  
56 100  
69 29.9 24.2 36.2  
84 91.8 71.5 107.3



#33  
1,2-Dichloroethane-d4  
Concen: 54.02 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.006 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

Tgt Ion: 65 Resp: 60878  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 101.0

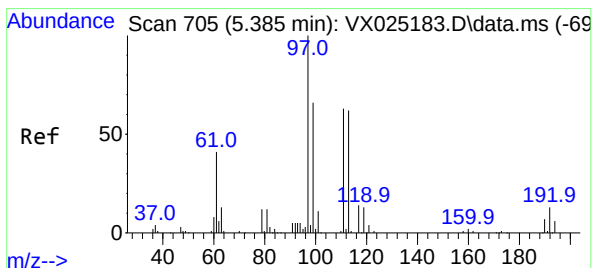
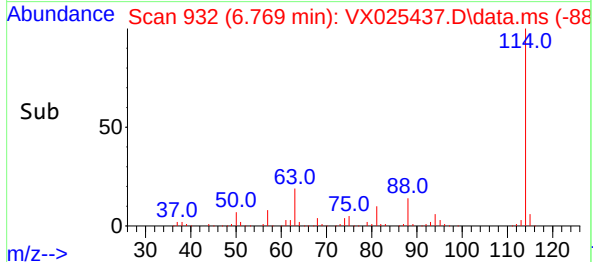
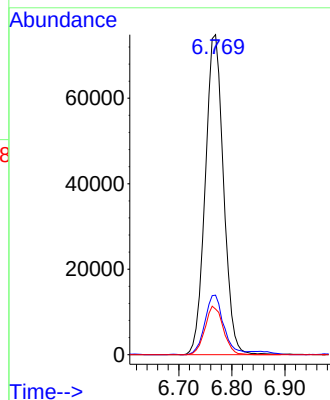
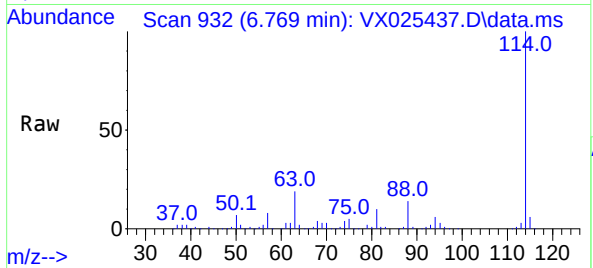




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.769 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

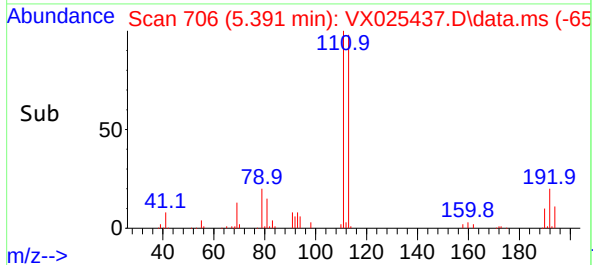
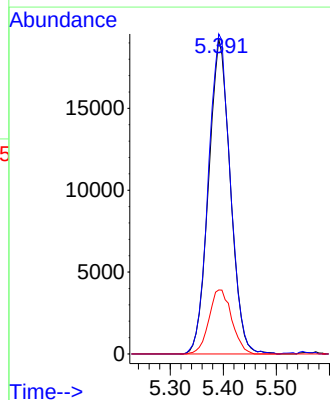
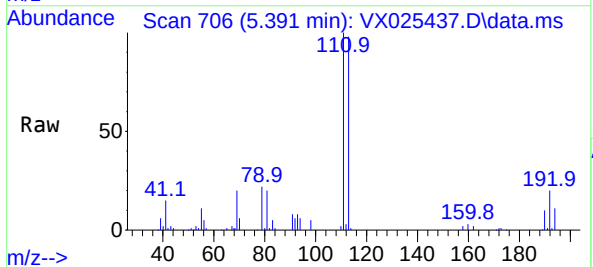
Instrument :  
MSVOA\_X  
ClientSampleId :  
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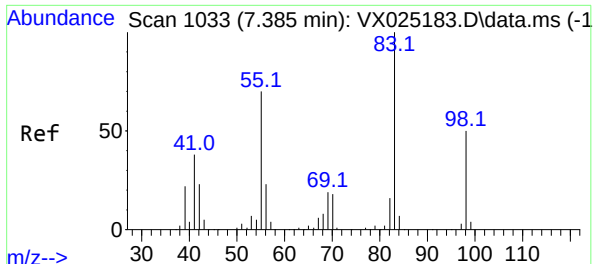
Tgt Ion:114 Resp: 179041  
Ion Ratio Lower Upper  
114 100  
63 18.6 0.0 41.0  
88 14.3 0.0 34.8



#35  
Dibromofluoromethane  
Concen: 49.69 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

Tgt Ion:113 Resp: 54588  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.1 123.1  
192 21.3 15.6 23.4

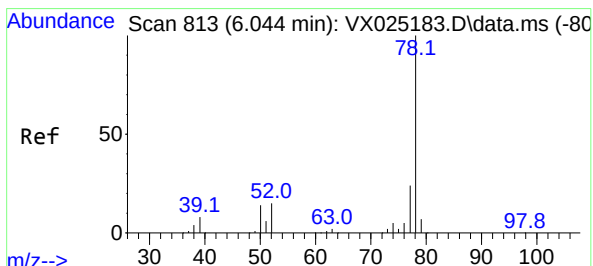
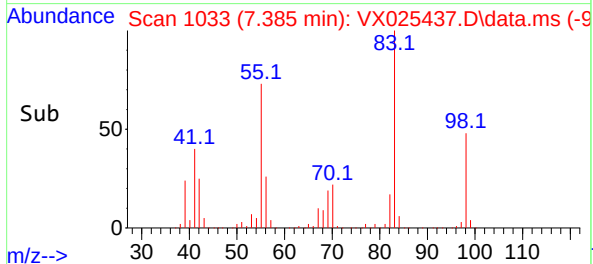
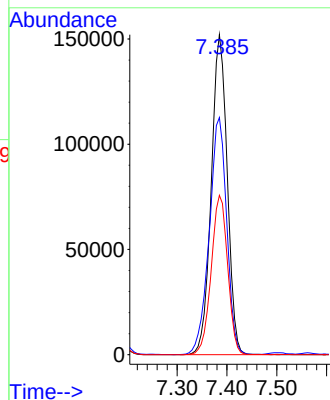
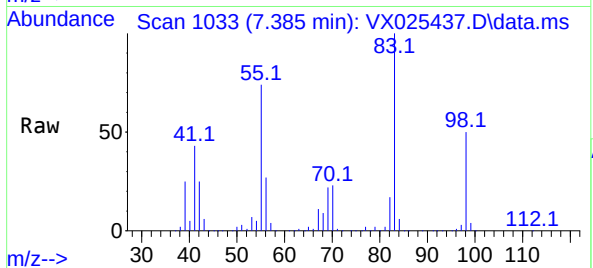




#39  
Methylcyclohexane  
Concen: 168.64 ug/l  
RT: 7.385 min Scan# 1033  
Delta R.T. -0.000 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

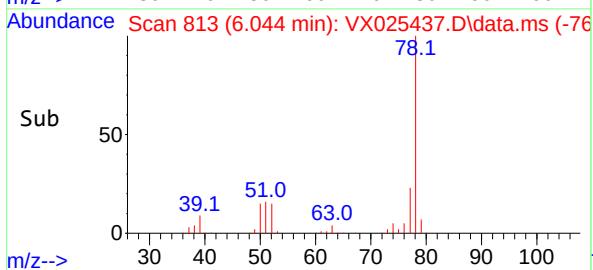
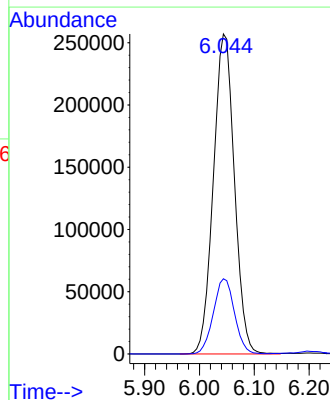
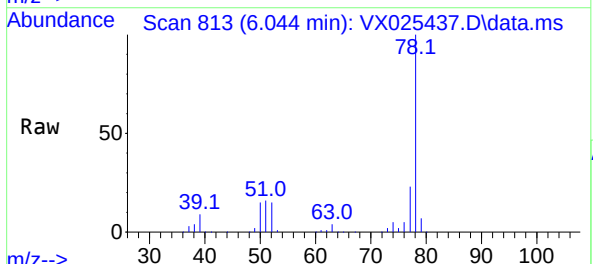
Instrument :  
MSVOA\_X  
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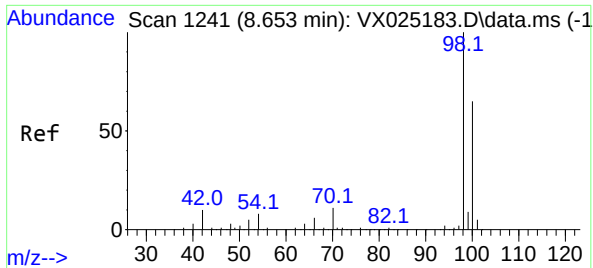
Tgt Ion: 83 Resp: 337891  
Ion Ratio Lower Upper  
83 100  
55 74.0 60.8 91.2  
98 49.8 37.0 55.4



#40  
Benzene  
Concen: 144.71 ug/l  
RT: 6.044 min Scan# 813  
Delta R.T. -0.000 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

Tgt Ion: 78 Resp: 684783  
Ion Ratio Lower Upper  
78 100  
77 23.5 18.3 27.5

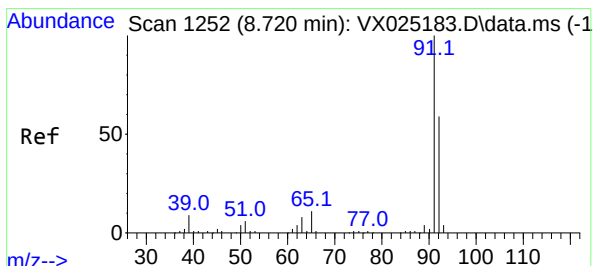
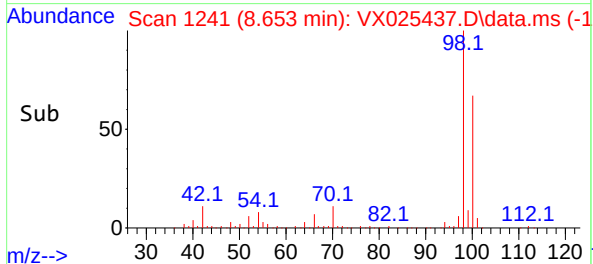
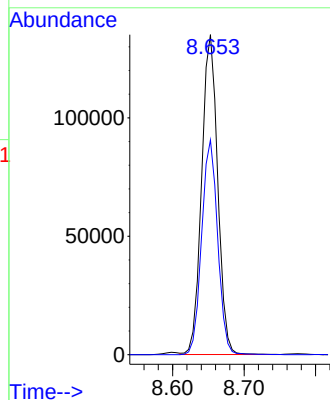
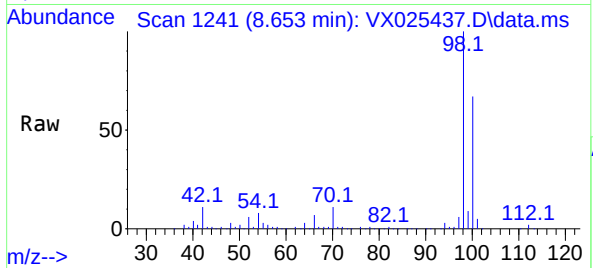




#50  
Toluene-d8  
Concen: 50.85 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

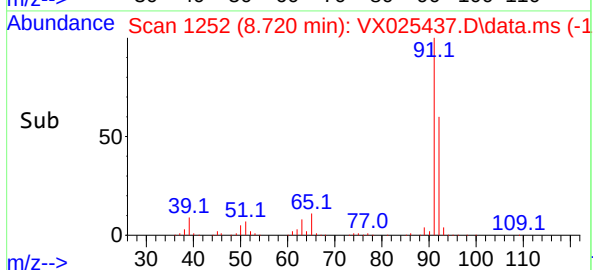
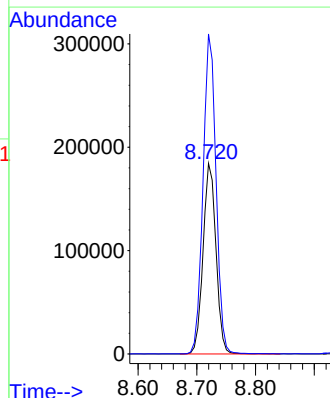
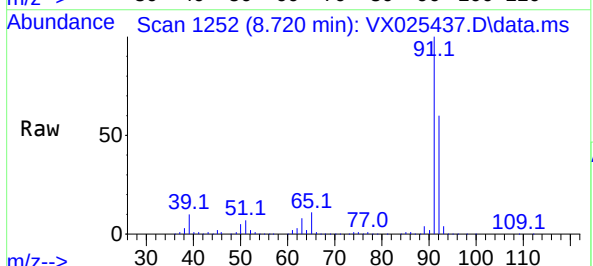
Instrument :  
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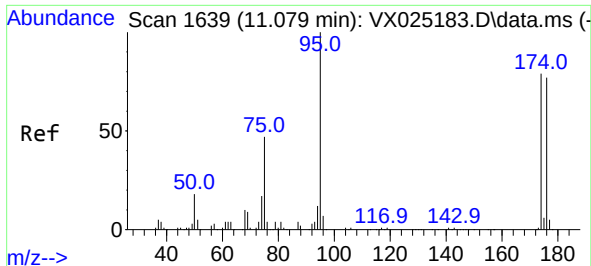
Tgt Ion: 98 Resp: 210037  
Ion Ratio Lower Upper  
98 100  
100 67.0 51.4 77.0



#52  
Toluene  
Concen: 91.25 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

Tgt Ion: 92 Resp: 281899  
Ion Ratio Lower Upper  
92 100  
91 168.7 138.6 208.0

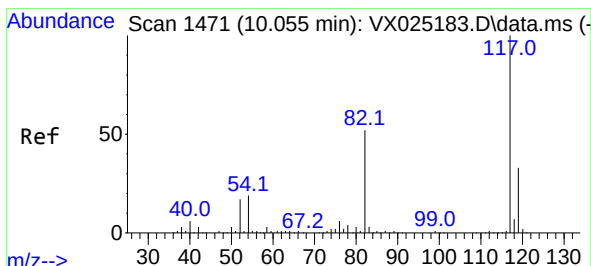
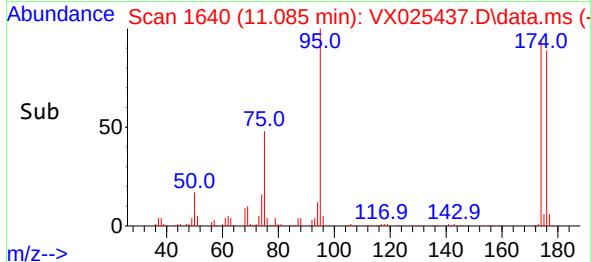
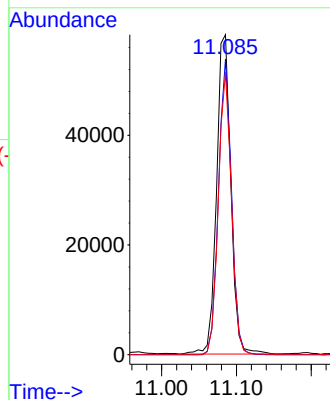
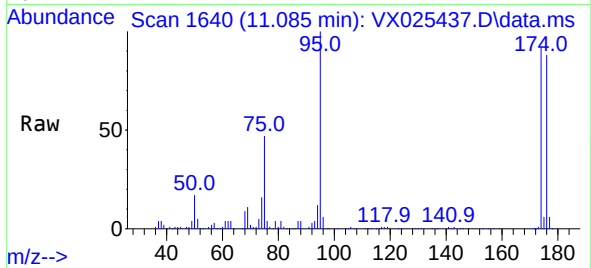




#62  
4-Bromofluorobenzene  
Concen: 49.37 ug/l  
RT: 11.085 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

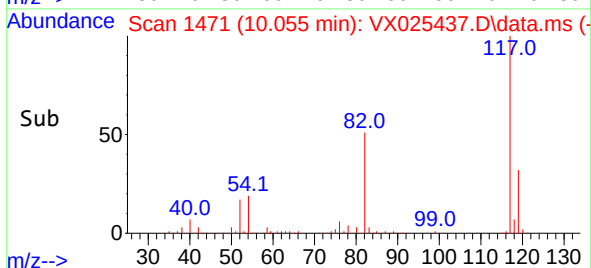
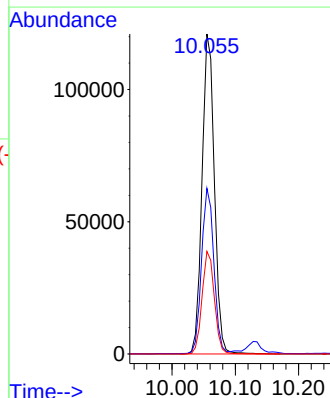
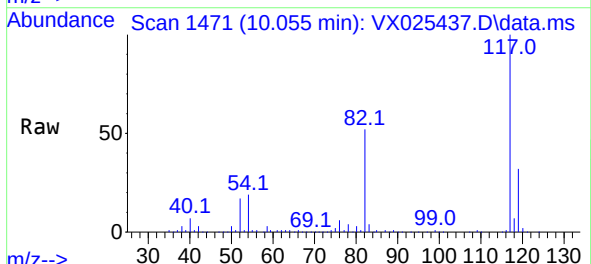
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-23

Tgt Ion: 95 Resp: 77146  
Ion Ratio Lower Upper  
95 100  
174 84.6 0.0 158.0  
176 81.5 0.0 153.6

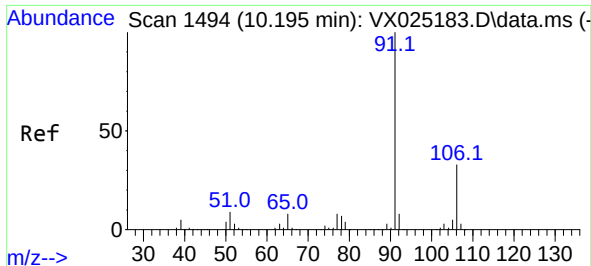


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

Tgt Ion: 117 Resp: 164366  
Ion Ratio Lower Upper  
117 100  
82 51.6 44.6 67.0  
119 32.1 24.8 37.2



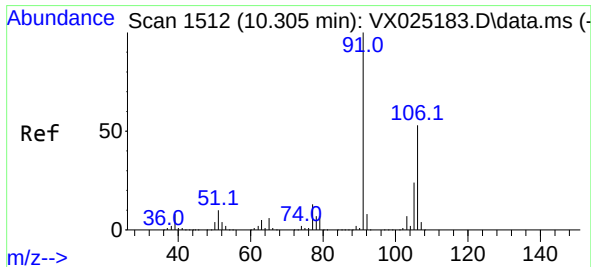
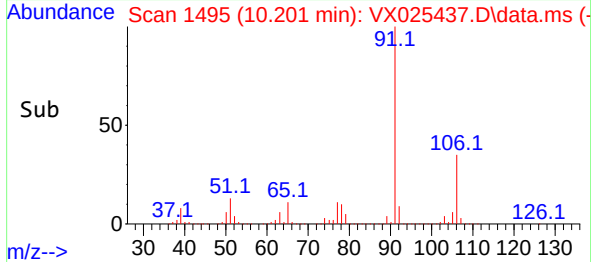
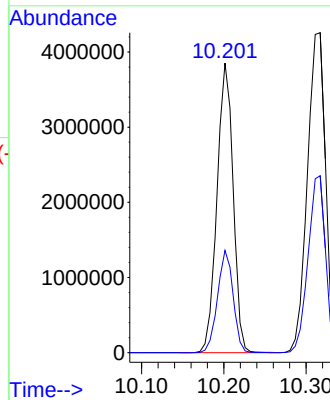
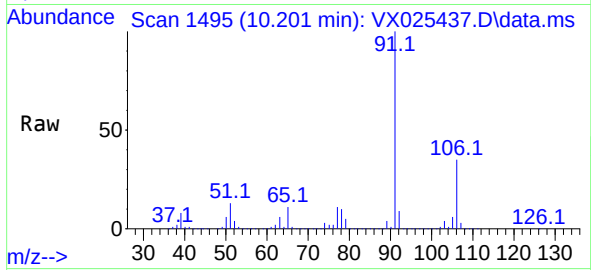




#67  
Ethyl Benzene  
Concen: 909.15 ug/l  
RT: 10.201 min Scan# 1495  
Delta R.T. 0.006 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

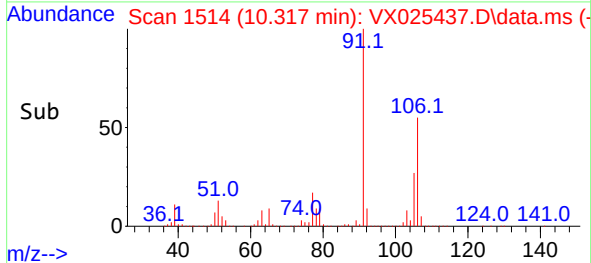
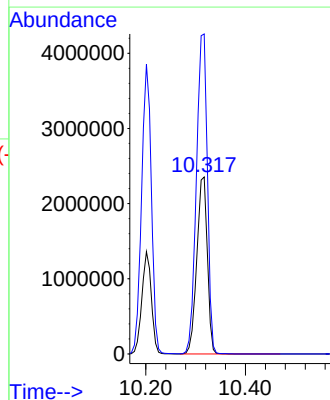
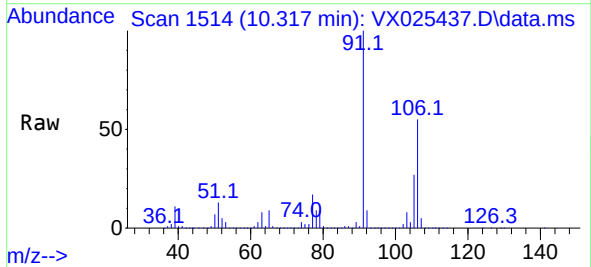
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-23

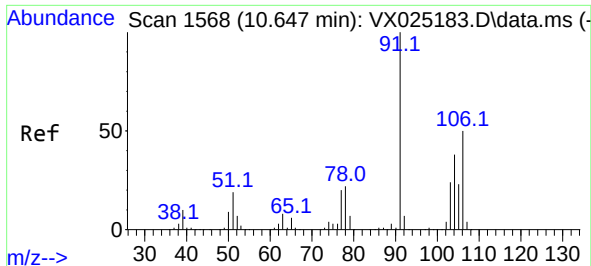
Tgt Ion: 91 Resp: 5262385  
Ion Ratio Lower Upper  
91 100  
106 35.3 24.7 37.1



#68  
m/p-Xylenes  
Concen: 1457.69 ug/l  
RT: 10.317 min Scan# 1514  
Delta R.T. 0.012 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

Tgt Ion: 106 Resp: 3446326  
Ion Ratio Lower Upper  
106 100  
91 188.3 163.4 245.0

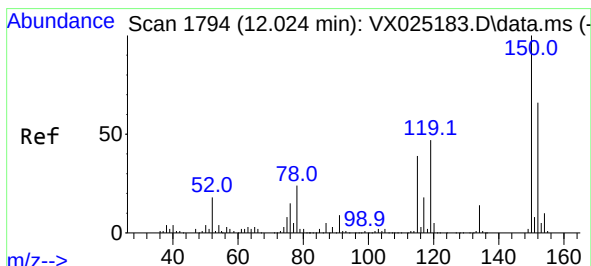
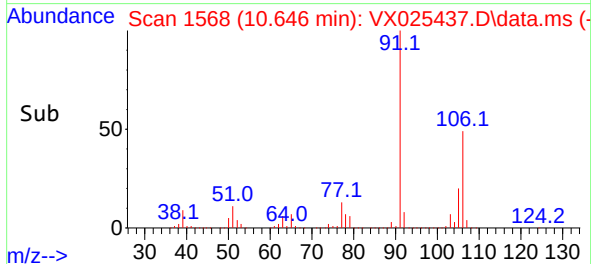
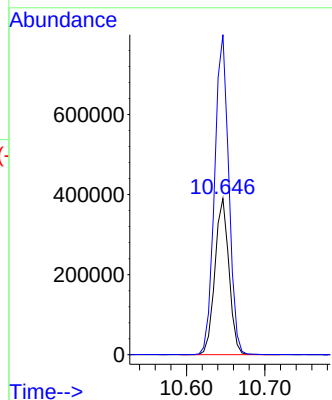
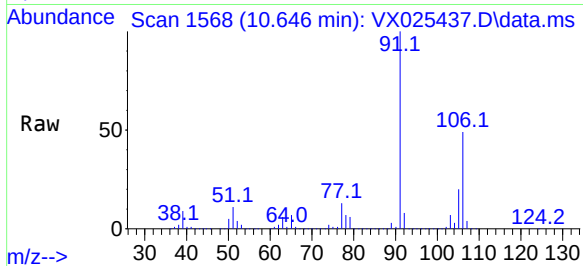




#69  
o-Xylene  
Concen: 209.57 ug/l  
RT: 10.646 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

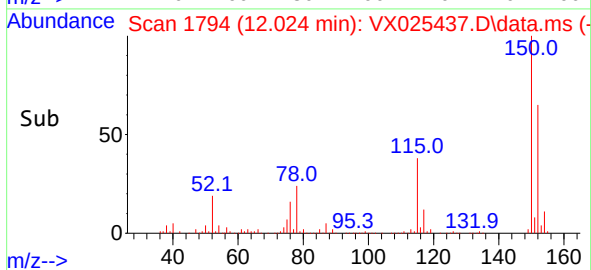
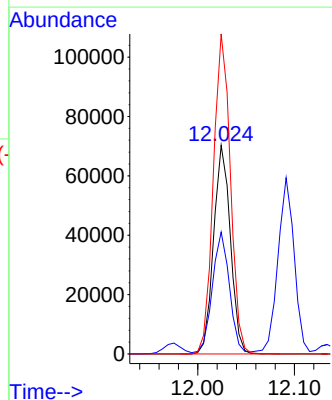
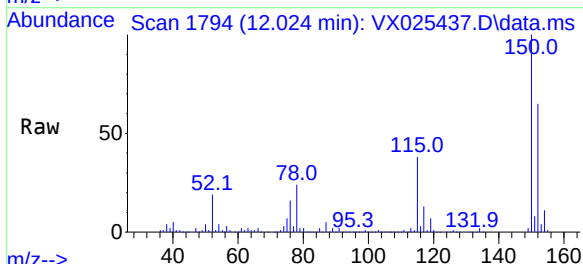
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-23

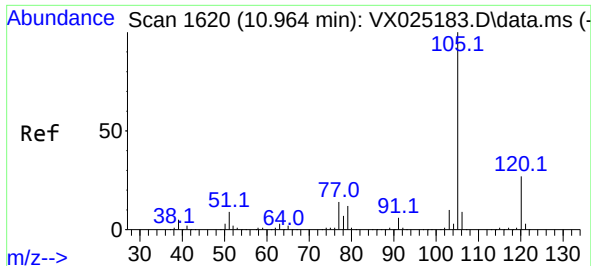
Tgt Ion:106 Resp: 484946  
Ion Ratio Lower Upper  
106 100  
91 207.2 109.5 328.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

Tgt Ion:152 Resp: 84662  
Ion Ratio Lower Upper  
152 100  
115 58.2 43.3 129.8  
150 155.9 0.0 351.2

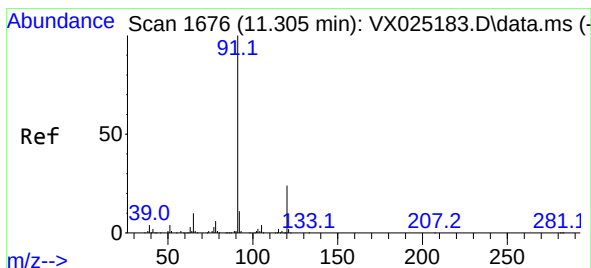
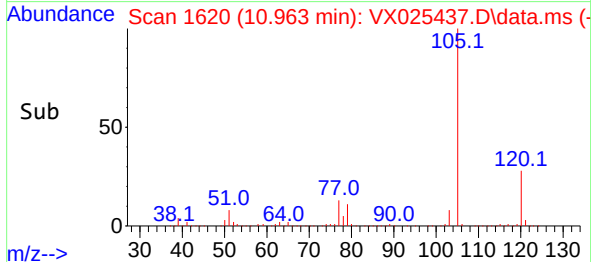
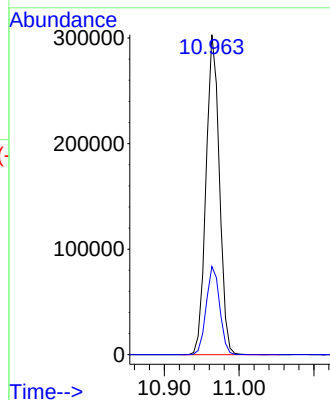
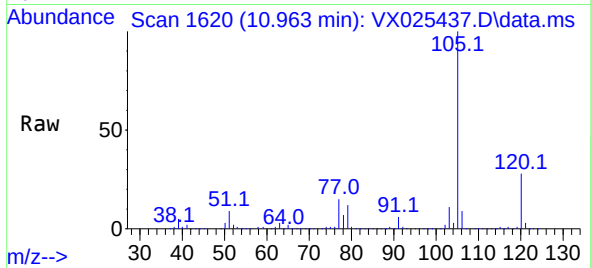




#73  
Isopropylbenzene  
Concen: 62.34 ug/l  
RT: 10.963 min Scan# 1  
Delta R.T. -0.001 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

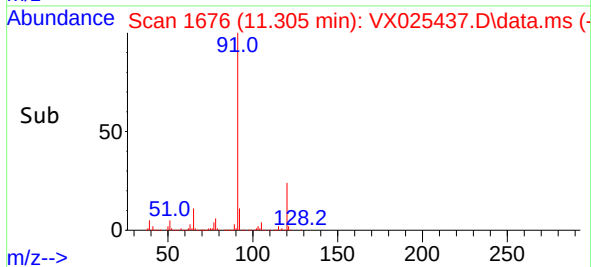
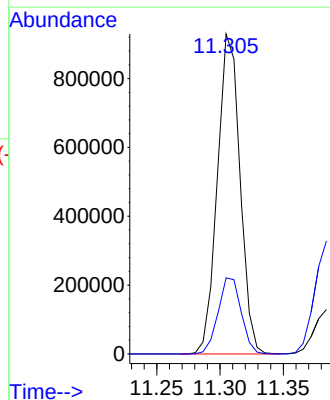
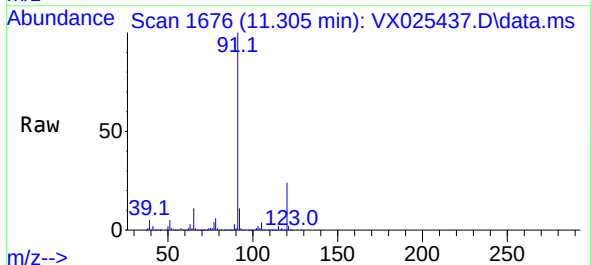
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-23

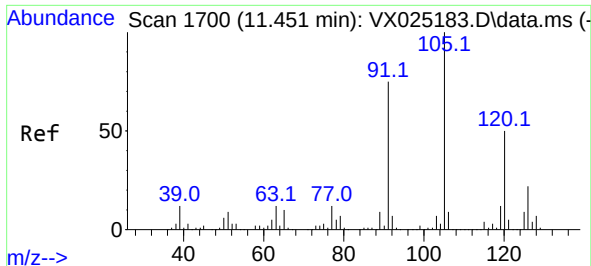
Tgt Ion:105 Resp: 376158  
Ion Ratio Lower Upper  
105 100  
120 27.8 13.3 39.8



#78  
n-propylbenzene  
Concen: 170.48 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

Tgt Ion: 91 Resp: 1154615  
Ion Ratio Lower Upper  
91 100  
120 24.3 11.7 35.0

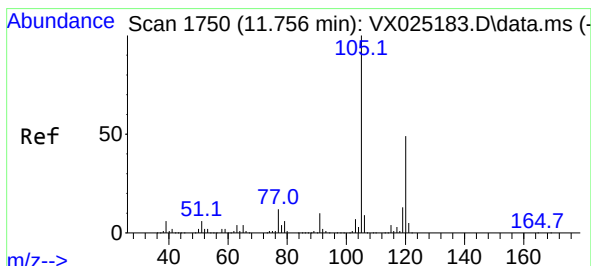
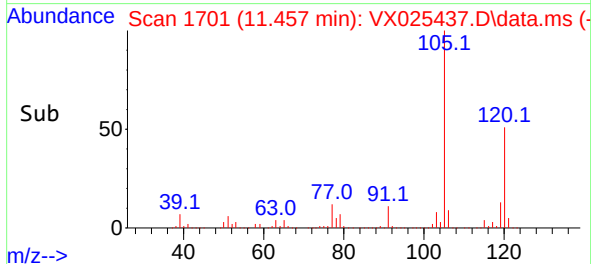
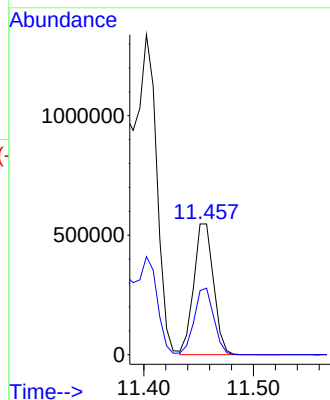
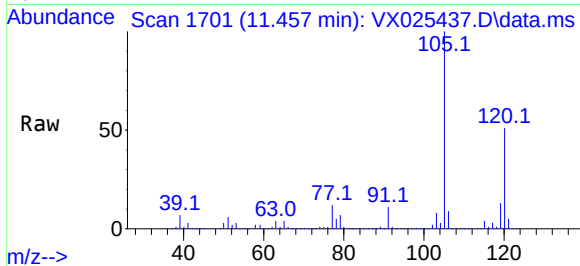




#80  
1,3,5-Trimethylbenzene  
Concen: 135.59 ug/l  
RT: 11.457 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

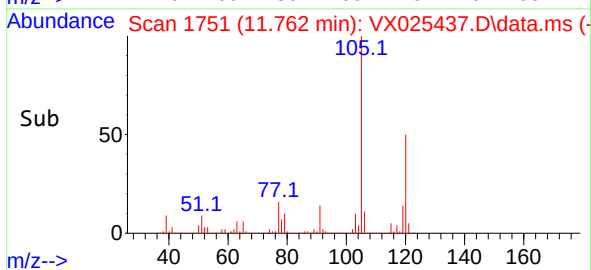
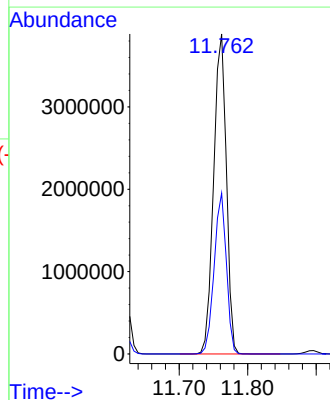
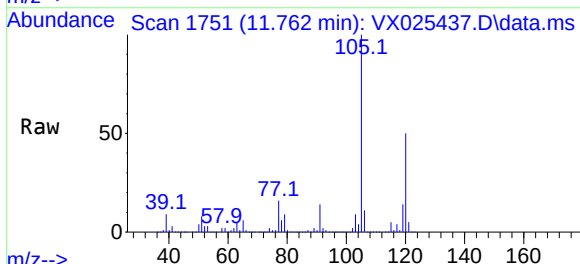
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-23

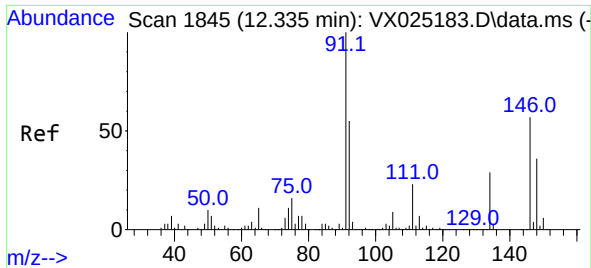
Tgt Ion:105 Resp: 687702  
Ion Ratio Lower Upper  
105 100  
120 50.5 23.8 71.5



#84  
1,2,4-Trimethylbenzene  
Concen: 999.20 ug/l  
RT: 11.762 min Scan# 1751  
Delta R.T. 0.006 min  
Lab File: VX025437.D  
Acq: 02 Dec 2021 18:40

Tgt Ion:105 Resp: 5008741  
Ion Ratio Lower Upper  
105 100  
120 48.3 22.1 66.3





#89

n-Butylbenzene

Concen: 26.40 ug/l m

RT: 12.335 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX025437.D

Acq: 02 Dec 2021 18:40

Instrument :

MSVOA\_X

ClientSampleId :

MW-23

Tgt Ion: 91 Resp: 119799

Ion Ratio Lower Upper

91 100

92 0.0 26.3 78.8#

134 0.0 13.0 38.9#

