

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062921\  
 Data File : VX023017.D  
 Acq On : 29 Jun 2021 20:38  
 Operator : JC/MD  
 Sample : M2875-11  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-5

Manual Integrations  
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Quant Time: Jun 30 01:46:35 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 19:12:26 2021  
 Response via : Initial Calibration

| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 5.562     | 168   | 55459    | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene     | 6.769     | 114   | 115364   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 10.055    | 117   | 101281   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024    | 152   | 39416    | 50.000   | ug/l       | 0.00     |
|                             |           |       |          |          |            |          |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 5.964     | 65    | 52595    | 52.257   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 78 - 117 | Recovery | = 104.520% |          |
| 35) Dibromofluoromethane    | 5.397     | 113   | 35307    | 48.195   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 96.380%  |          |
| 50) Toluene-d8              | 8.653     | 98    | 142102   | 49.493   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 92 - 112 | Recovery | = 98.980%  |          |
| 62) 4-Bromofluorobenzene    | 11.085    | 95    | 54360    | 50.731   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | = 101.460% |          |
|                             |           |       |          |          |            |          |
| Target Compounds            |           |       |          |          |            | Qvalue   |
| 16) Acetone                 | 2.392     | 43    | 3746     | 8.395    | ug/l       | 96       |
| 19) Methyl tert-butyl Ether | 3.123     | 73    | 60303    | 23.372   | ug/l #     | 85       |
| 31) Cyclohexane             | 5.476     | 56    | 31820    | 22.394   | ug/l #     | 88       |
| 39) Methylcyclohexane       | 7.385     | 83    | 58416    | 40.868   | ug/l #     | 87       |
| 40) Benzene                 | 6.050     | 78    | 358258   | 101.392  | ug/l       | 99       |
| 52) Toluene                 | 8.720     | 92    | 5987     | 2.803    | ug/l       | 97       |
| 64) Tetrachloroethene       | 9.275     | 164   | 578      | 0.812    | ug/l #     | 80       |
| 67) Ethyl Benzene           | 10.195    | 91    | 13217    | 3.365    | ug/l       | 97       |
| 68) m/p-Xylenes             | 10.305    | 106   | 36446    | 24.988   | ug/l       | 91       |
| 69) o-Xylene                | 10.646    | 106   | 4727     | 3.330    | ug/l       | 89       |
| 73) Isopropylbenzene        | 10.963    | 105   | 101166   | 30.333   | ug/l       | 97       |
| 78) n-propylbenzene         | 11.305    | 91    | 130664   | 32.379   | ug/l       | 94       |
| 80) 1,3,5-Trimethylbenzene  | 11.457    | 105   | 5006     | 1.828    | ug/l       | 99       |
| 83) tert-Butylbenzene       | 11.719    | 119   | 2841     | 1.099    | ug/l       | 71       |
| 84) 1,2,4-Trimethylbenzene  | 11.756    | 105   | 6105     | 2.215    | ug/l       | 95       |
| 85) sec-Butylbenzene        | 11.890    | 105   | 24374    | 6.988    | ug/l       | 97       |
| 86) p-Isopropyltoluene      | 12.012    | 119   | 4196     | 1.514    | ug/l #     | 51       |
| 89) n-Butylbenzene          | 12.335    | 91    | 15746m   | 5.975    | ug/l       |          |
| 95) Naphthalene             | 13.780    | 128   | 48311    | 16.380   | ug/l       | 99       |
| -----                       |           |       |          |          |            |          |

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

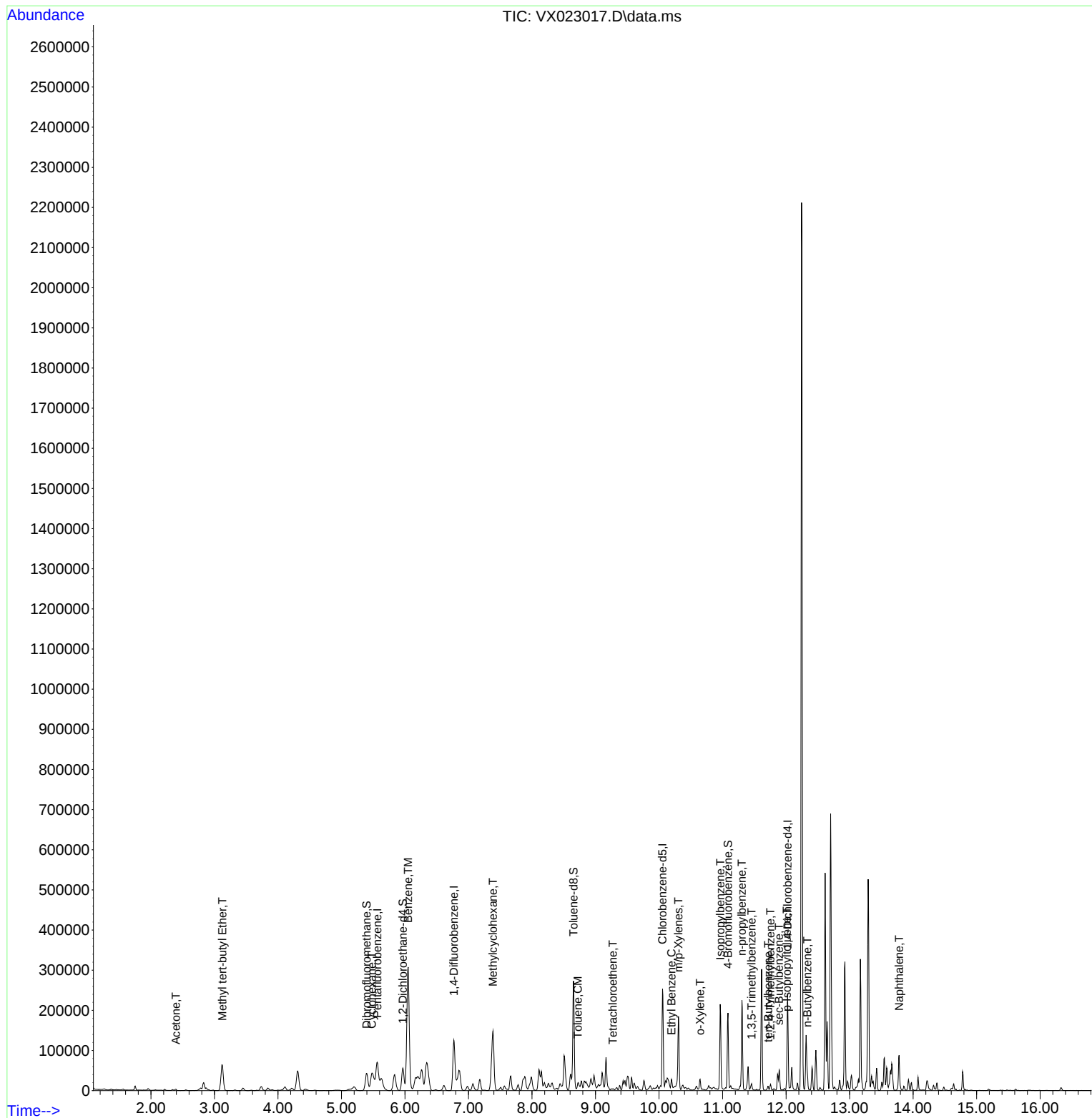
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Data File : VX023017.D  
Acq On : 29 Jun 2021 20:38  
Operator : JC/MD  
Sample : M2875-11  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 26 Sample Multiplier: 1

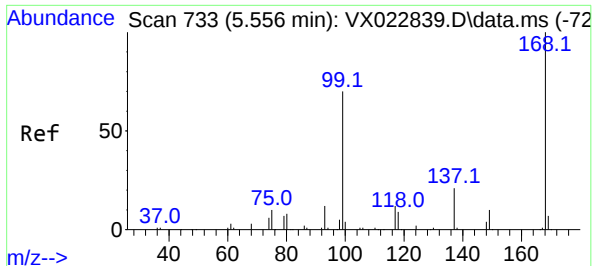
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-5

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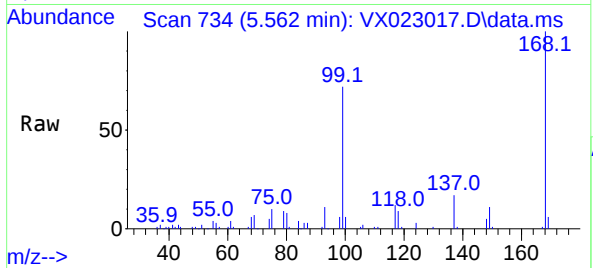
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7/2/2021 6:21:44 PM

Quant Time: Jun 30 01:46:35 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 23 19:12:26 2021  
Response via : Initial Calibration

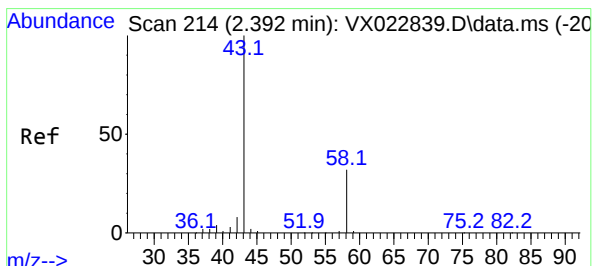
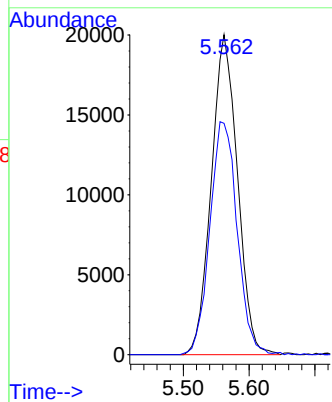
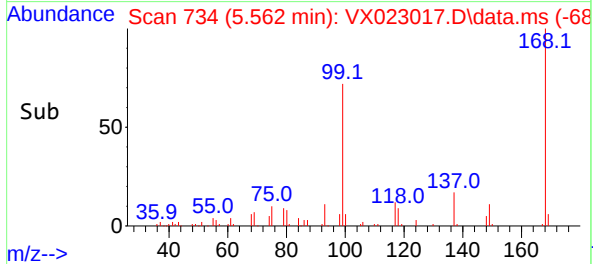




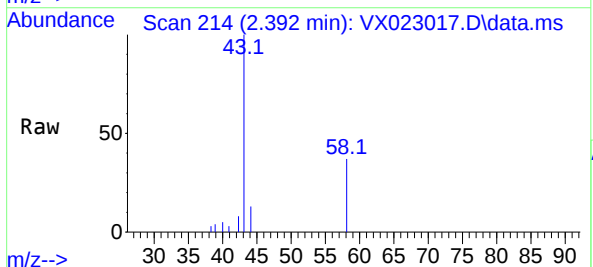
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.006 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38



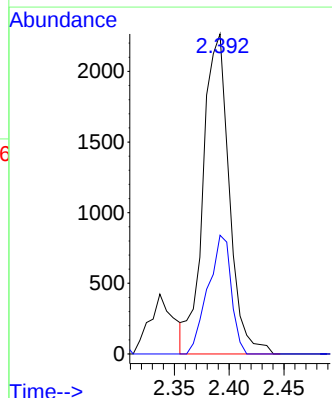
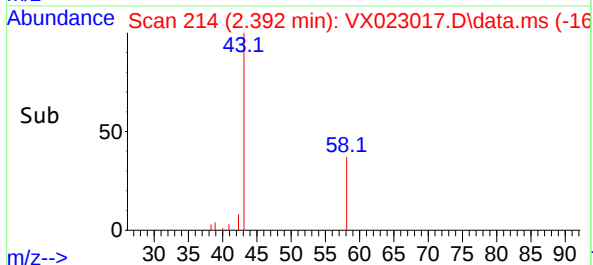
Tgt Ion:168 Resp: 55459  
Ion Ratio Lower Upper  
168 100  
99 72.3 45.8 68.6#



#16  
Acetone  
Concen: 8.395 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38



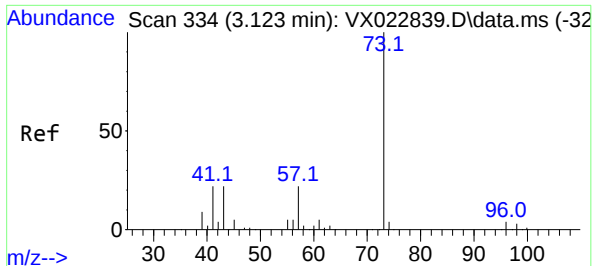
Tgt Ion: 43 Resp: 3746  
Ion Ratio Lower Upper  
43 100  
58 37.1 27.8 41.8



Instrument :  
MSVOA\_X  
ClientSampleId :  
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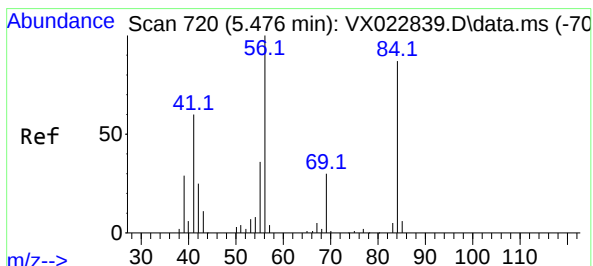
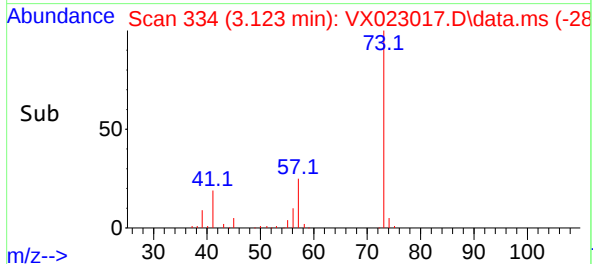
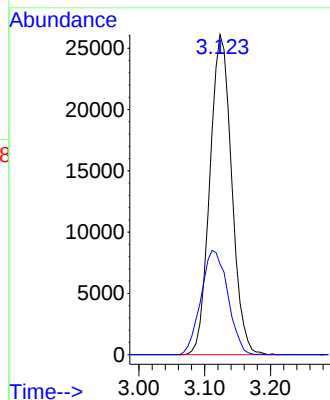
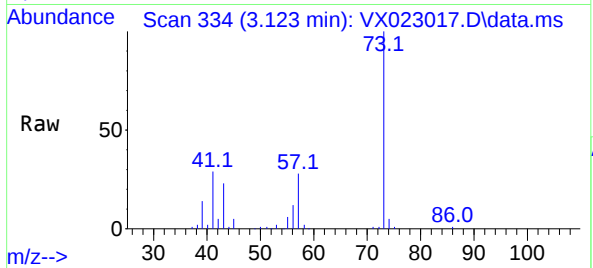
#19  
Methyl tert-butyl Ether  
Concen: 23.372 ug/l  
RT: 3.123 min Scan# 334  
Delta R.T. 0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

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MSVOA\_X  
ClientSampled :  
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Tgt Ion: 73 Resp: 60303  
Ion Ratio Lower Upper  
73 100  
57 28.3 17.1 25.7#

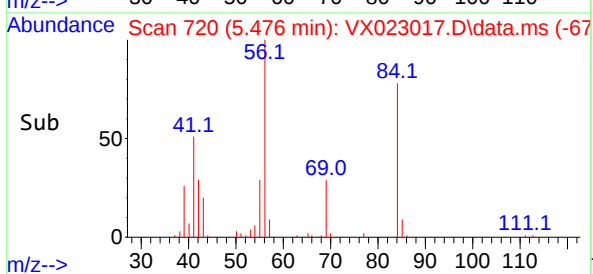
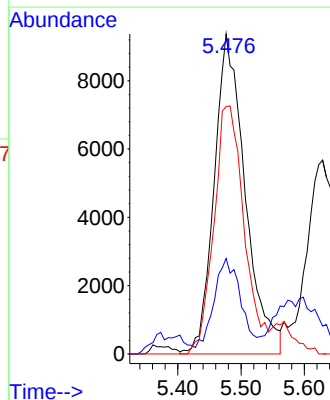
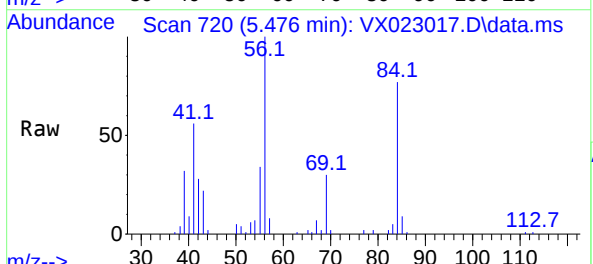
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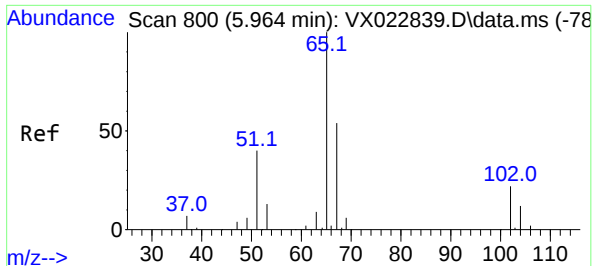
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#31  
Cyclohexane  
Concen: 22.394 ug/l  
RT: 5.476 min Scan# 720  
Delta R.T. 0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

Tgt Ion: 56 Resp: 31820  
Ion Ratio Lower Upper  
56 100  
69 24.1 25.3 37.9#  
84 77.9 71.4 107.0





#33

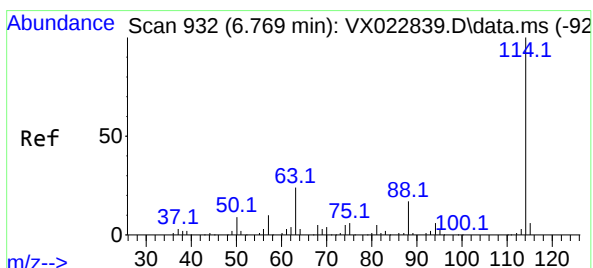
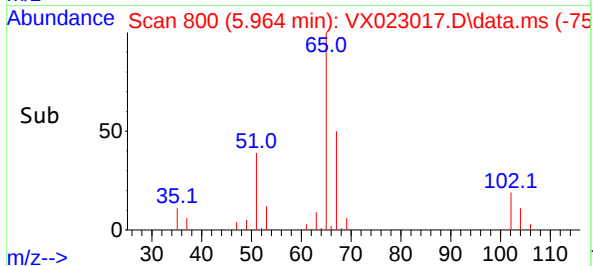
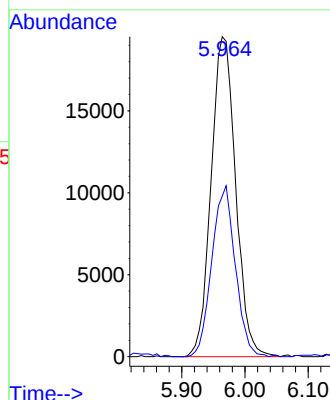
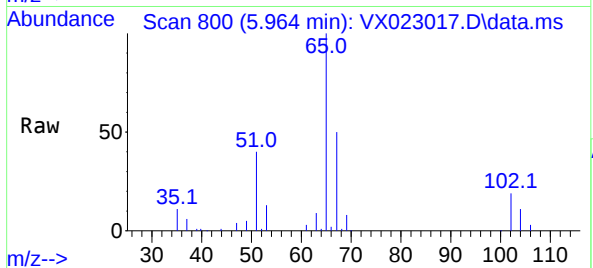
1,2-Dichloroethane-d4  
Concen: 52.257 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

Tgt Ion: 65 Resp: 52595  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 105.4

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-5

Manual Integrations  
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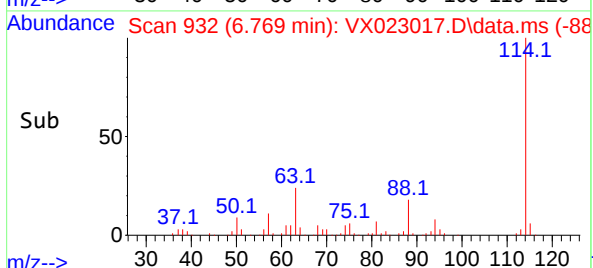
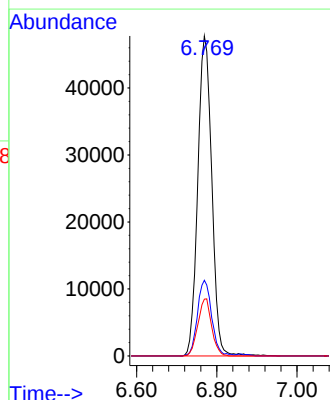
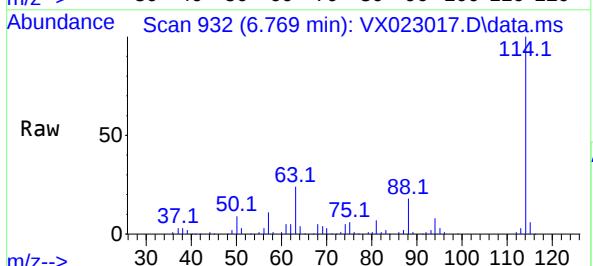
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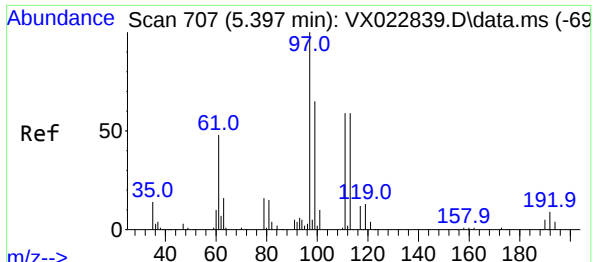


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

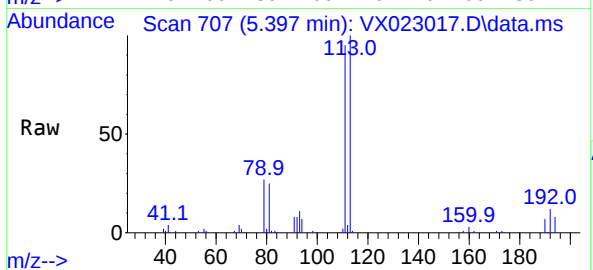
Tgt Ion: 114 Resp: 115364  
Ion Ratio Lower Upper  
114 100  
63 23.6 0.0 40.8  
88 17.7 0.0 32.8





#35  
Dibromofluoromethane  
Concen: 48.195 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

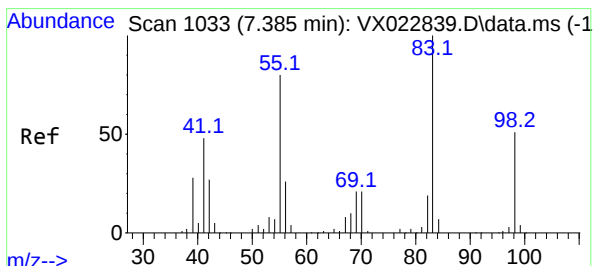
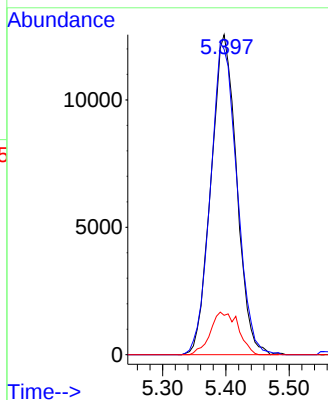
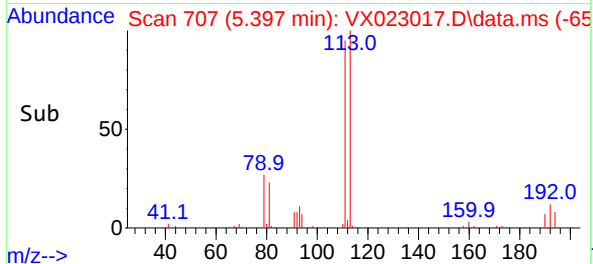
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-5



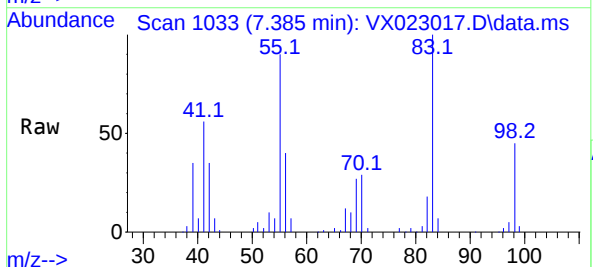
Tgt Ion:113 Resp: 35307  
Ion Ratio Lower Upper  
113 100  
111 100.7 81.9 122.9  
192 14.6 16.7 25.1#

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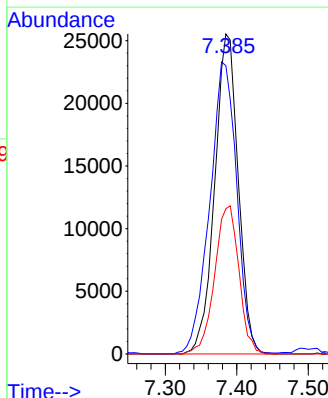
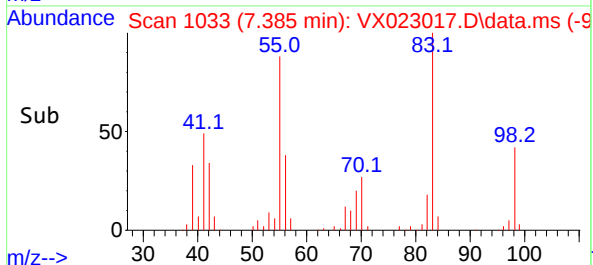
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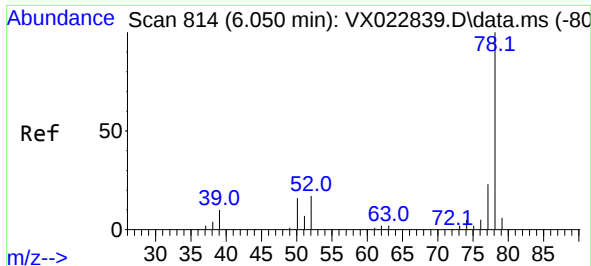


#39  
Methylcyclohexane  
Concen: 40.868 ug/l  
RT: 7.385 min Scan# 1033  
Delta R.T. -0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38



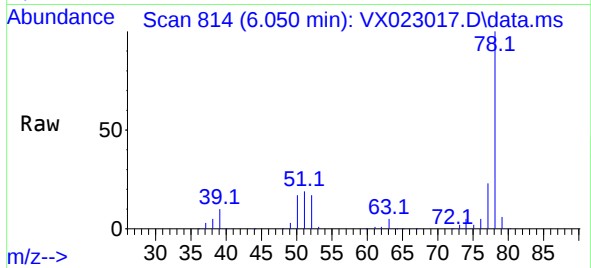
Tgt Ion: 83 Resp: 58416  
Ion Ratio Lower Upper  
83 100  
55 89.8 58.9 88.3#  
98 45.4 38.1 57.1





#40  
Benzene  
Concen: 101.392 ug/l  
RT: 6.050 min Scan# 814  
Delta R.T. -0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

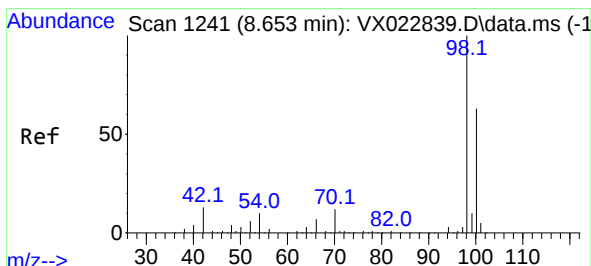
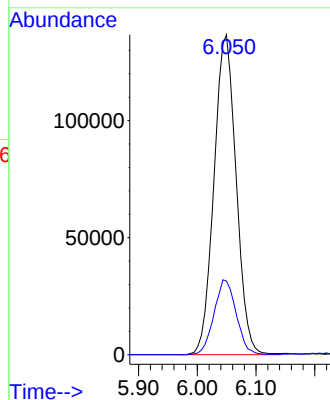
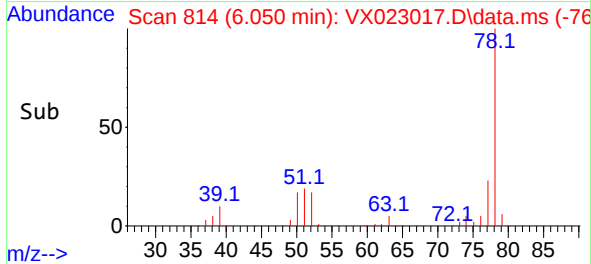
Instrument :  
MSVOA\_X  
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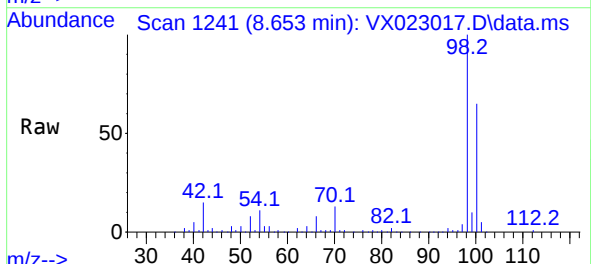
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Ion Ratio Lower Upper  
78 100  
77 23.0 18.9 28.3

Manual Integrations  
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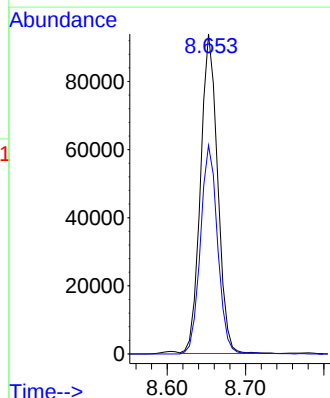
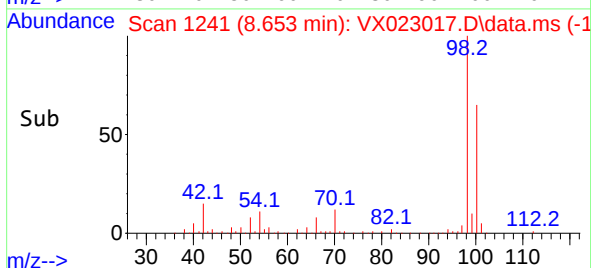
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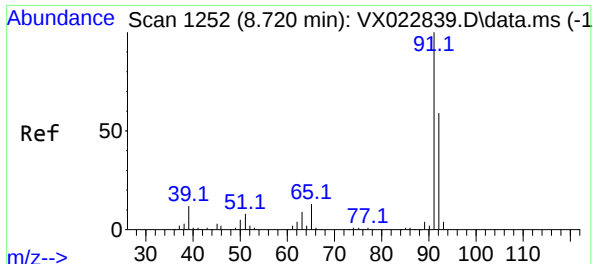


#50  
Toluene-d8  
Concen: 49.493 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38



Tgt Ion: 98 Resp: 142102  
Ion Ratio Lower Upper  
98 100  
100 65.6 51.9 77.9





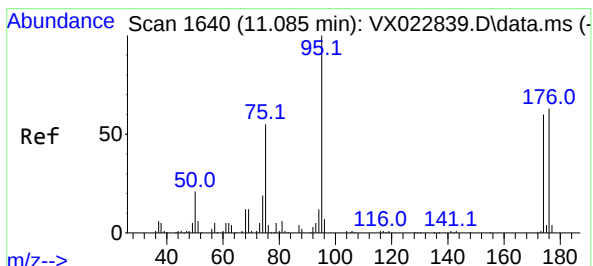
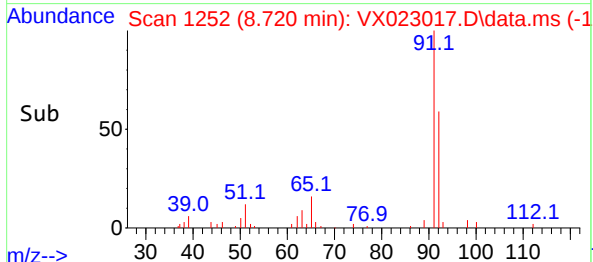
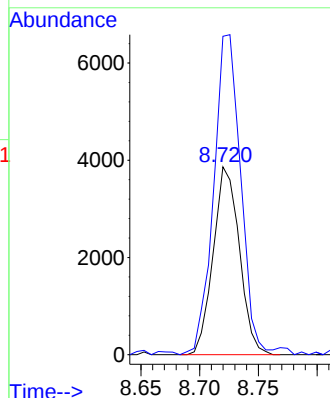
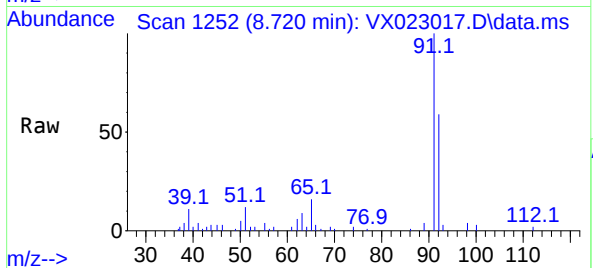
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Toluene  
Concen: 2.803 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

Tgt Ion: 92 Resp: 5987  
Ion Ratio Lower Upper  
92 100  
91 175.7 137.1 205.7

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-5

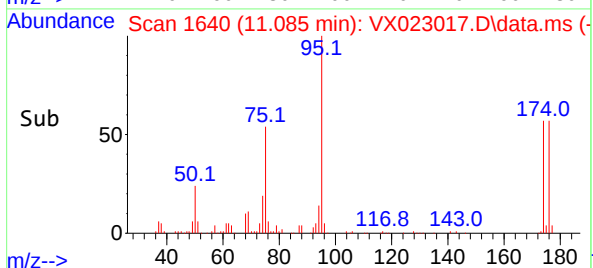
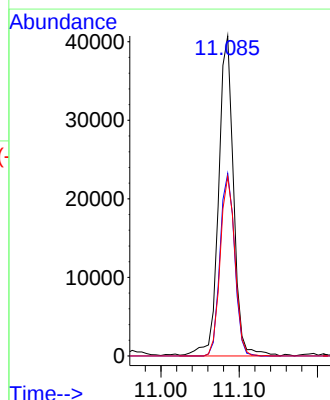
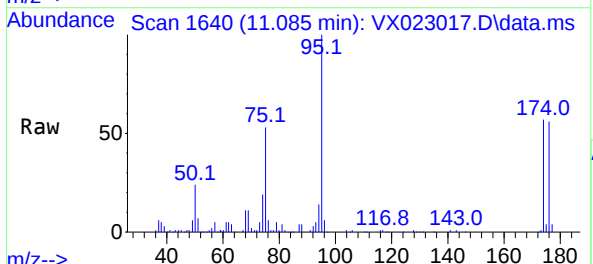
Manual Integrations  
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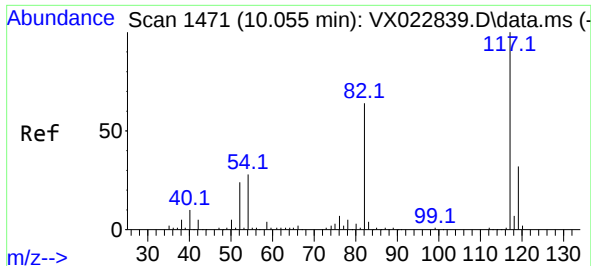
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#62  
4-Bromofluorobenzene  
Concen: 50.731 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

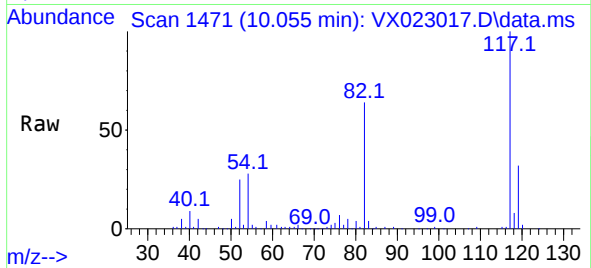
Tgt Ion: 95 Resp: 54360  
Ion Ratio Lower Upper  
95 100  
174 55.3 0.0 154.6  
176 54.7 0.0 155.8





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

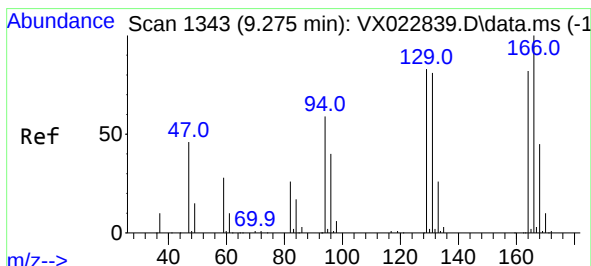
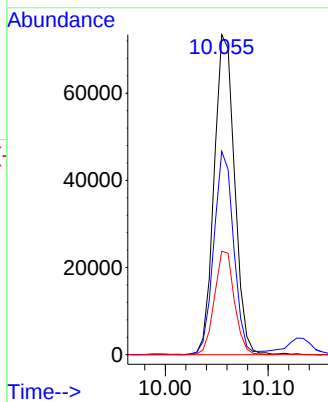
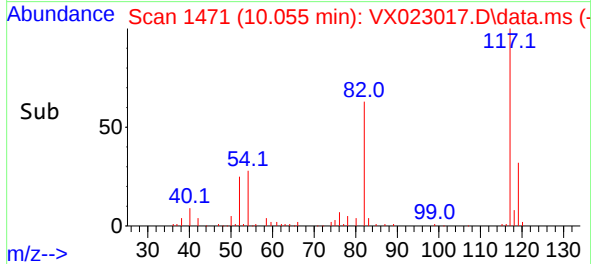
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-5



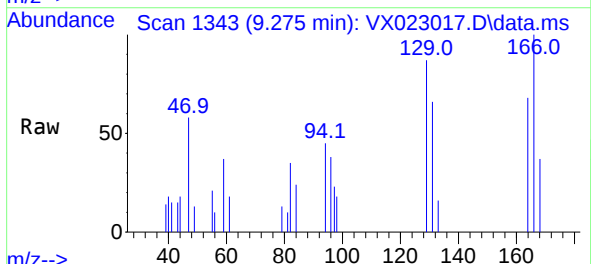
Tgt Ion:117 Resp: 101281  
Ion Ratio Lower Upper  
117 100  
82 63.4 47.4 71.2  
119 32.4 26.6 39.8

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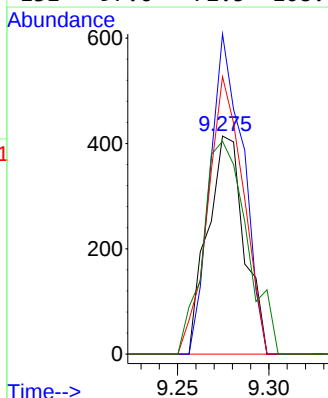
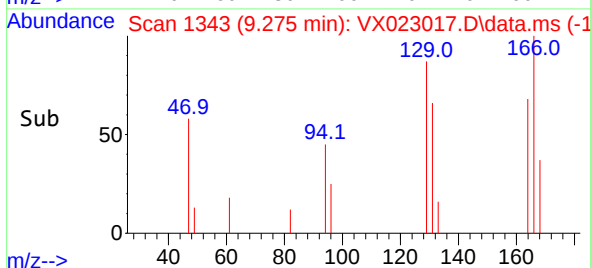
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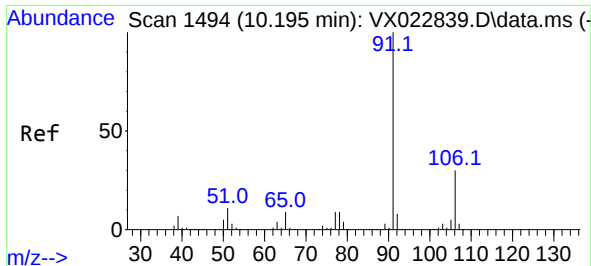


#64  
Tetrachloroethene  
Concen: 0.812 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38



Tgt Ion:164 Resp: 578  
Ion Ratio Lower Upper  
164 100  
166 146.9 103.4 155.2  
129 127.3 70.8 106.2#  
131 97.6 72.5 108.7





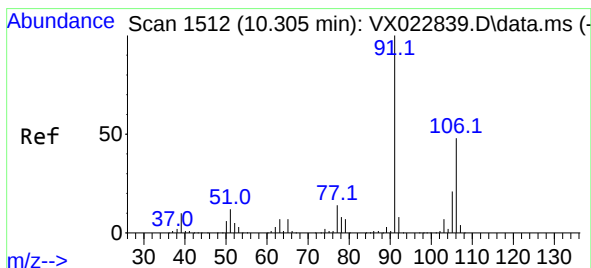
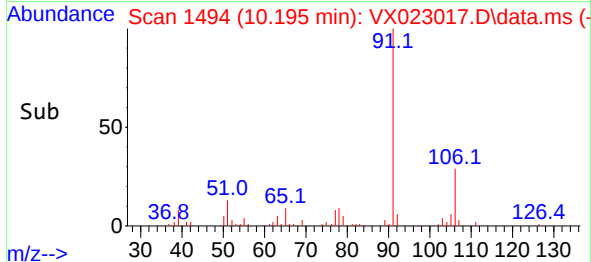
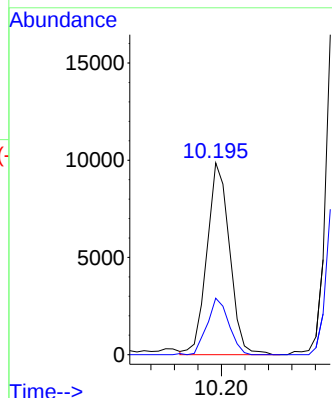
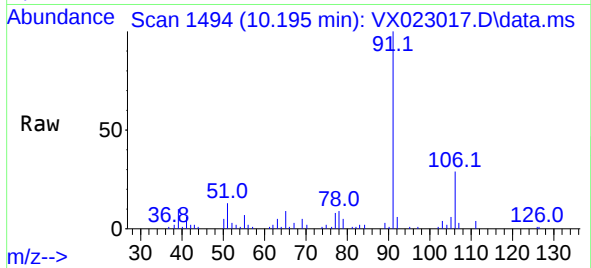
#67  
Ethyl Benzene  
Concen: 3.365 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-5

Tgt Ion: 91 Resp: 13217  
Ion Ratio Lower Upper  
91 100  
106 29.4 24.6 37.0

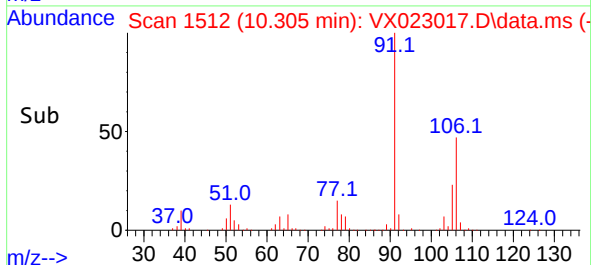
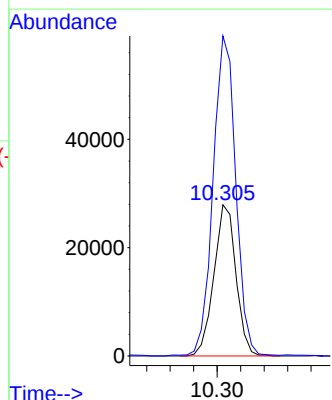
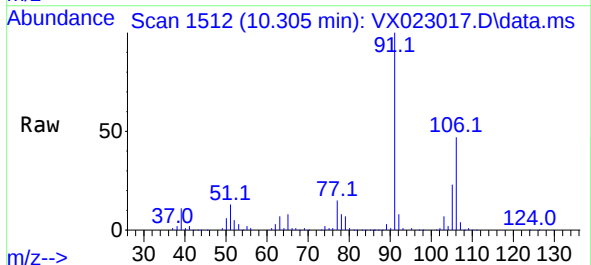
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APPROVED

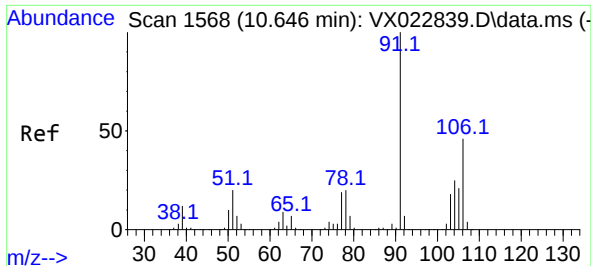
MMDadoda  
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#68  
m/p-Xylenes  
Concen: 24.988 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. -0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

Tgt Ion: 106 Resp: 36446  
Ion Ratio Lower Upper  
106 100  
91 217.7 162.8 244.2





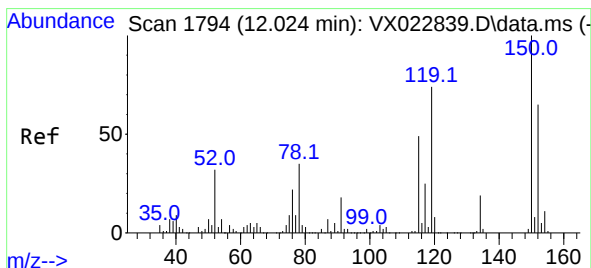
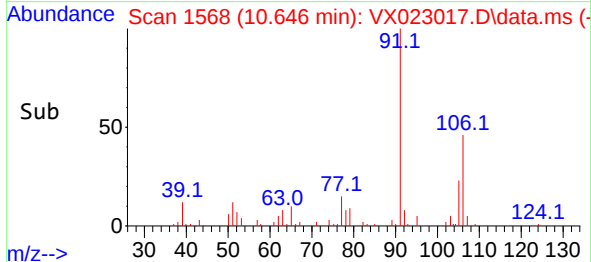
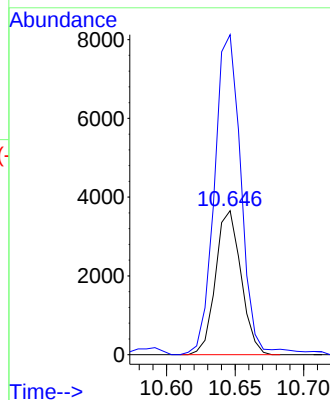
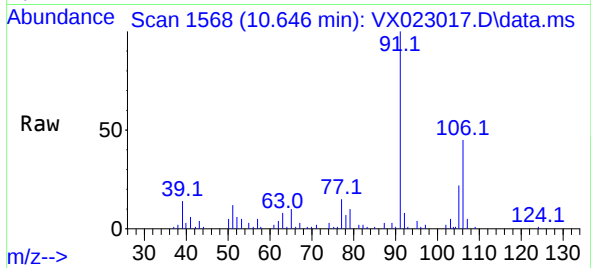
#69  
o-Xylene  
Concen: 3.330 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

Tgt Ion:106 Resp: 4727  
Ion Ratio Lower Upper  
106 100  
91 233.1 108.1 324.2

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-5

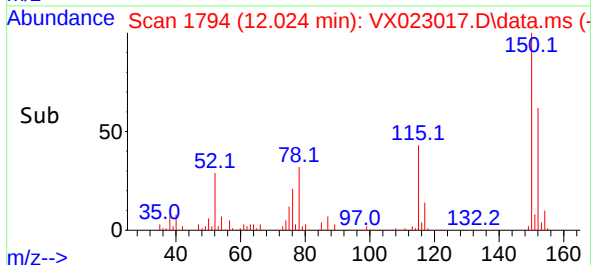
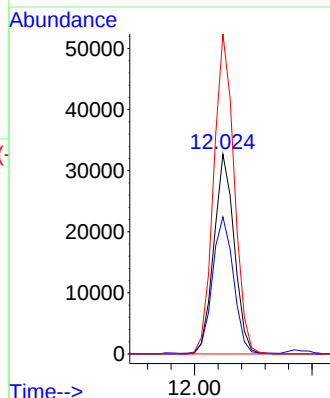
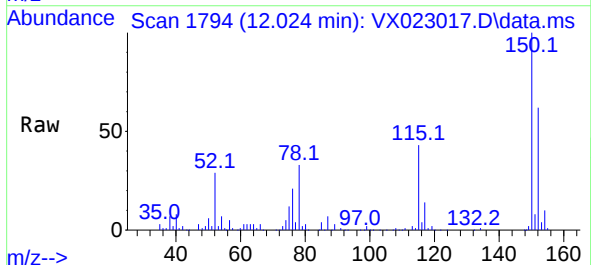
Manual Integrations  
APPROVED

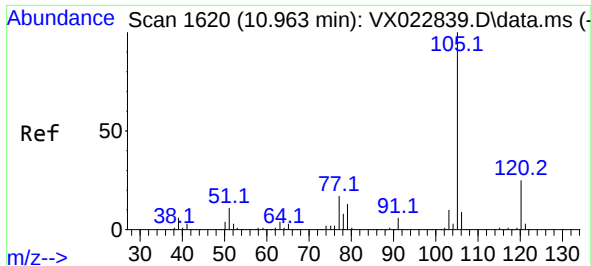
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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

Tgt Ion:152 Resp: 39416  
Ion Ratio Lower Upper  
152 100  
115 70.0 41.1 123.3  
150 161.1 0.0 349.0





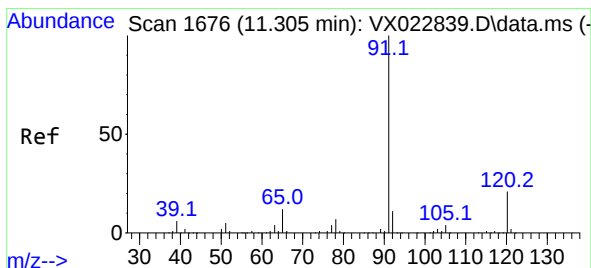
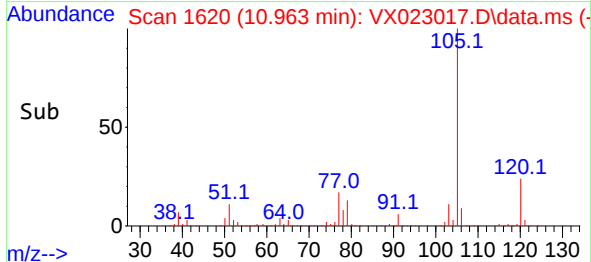
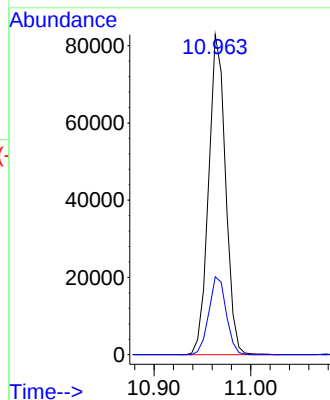
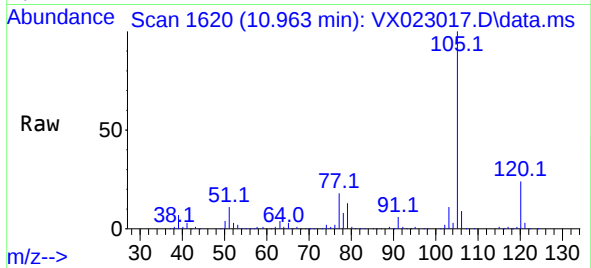
#73  
Isopropylbenzene  
Concen: 30.333 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

Tgt Ion: 105 Resp: 101166  
Ion Ratio Lower Upper  
105 100  
120 24.9 13.2 39.6

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-5

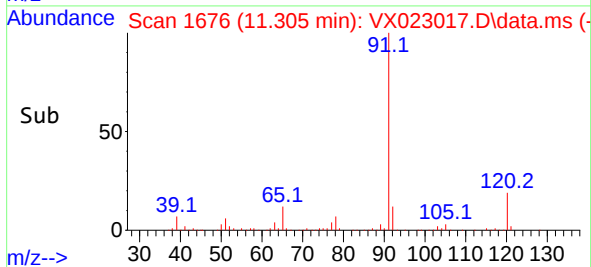
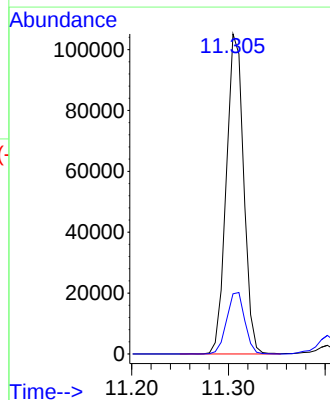
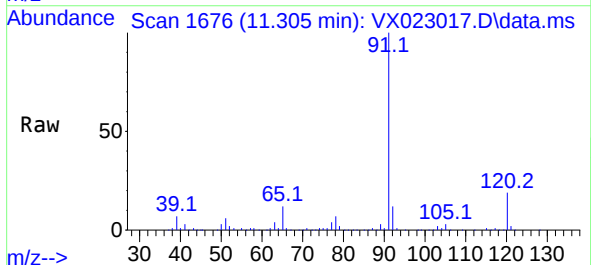
Manual Integrations  
APPROVED

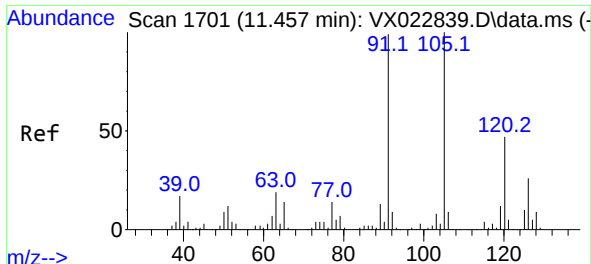
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#78  
n-propylbenzene  
Concen: 32.379 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

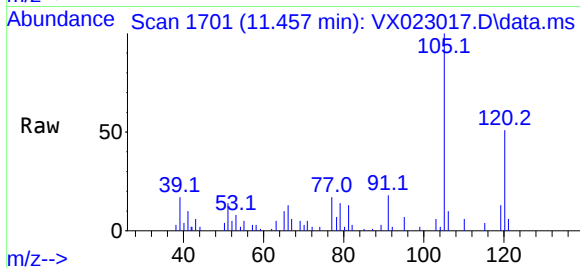
Tgt Ion: 91 Resp: 130664  
Ion Ratio Lower Upper  
91 100  
120 20.0 11.5 34.5





#80  
1,3,5-Trimethylbenzene  
Concen: 1.828 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

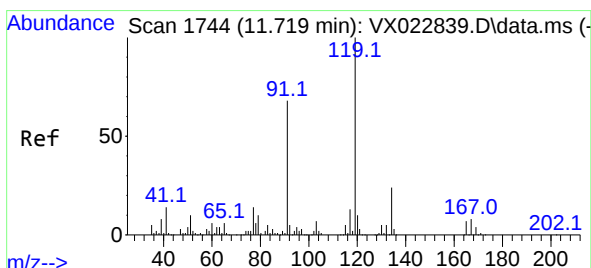
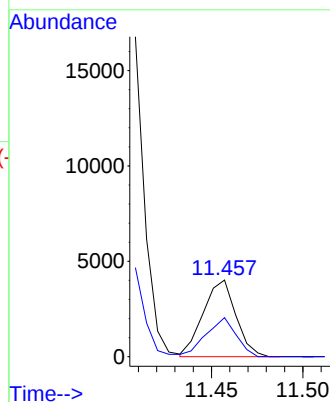
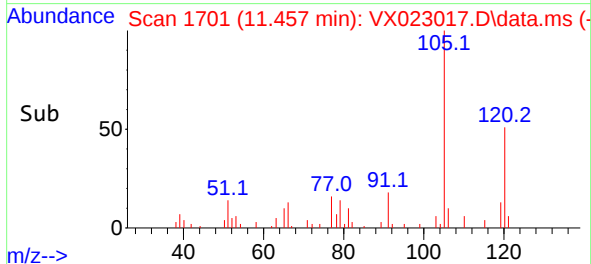
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-5



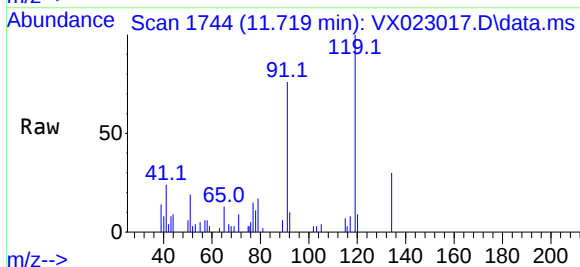
Tgt Ion:105 Resp: 5006  
Ion Ratio Lower Upper  
105 100  
120 46.9 23.8 71.5

Manual Integrations  
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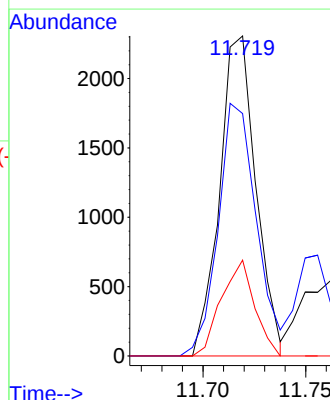
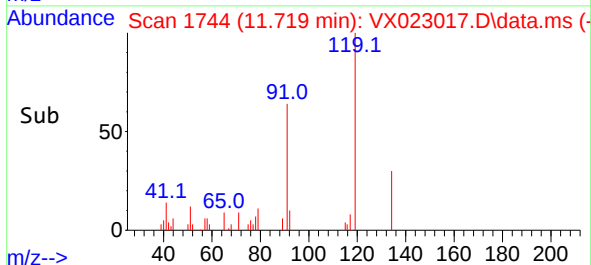
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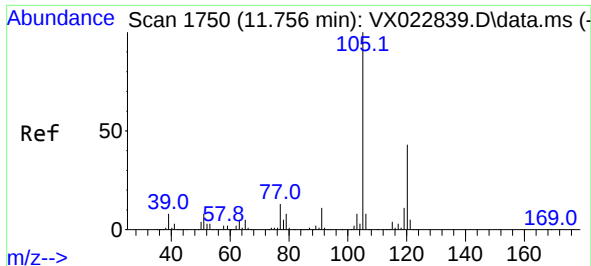


#83  
tert-Butylbenzene  
Concen: 1.099 ug/l  
RT: 11.719 min Scan# 1744  
Delta R.T. 0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38



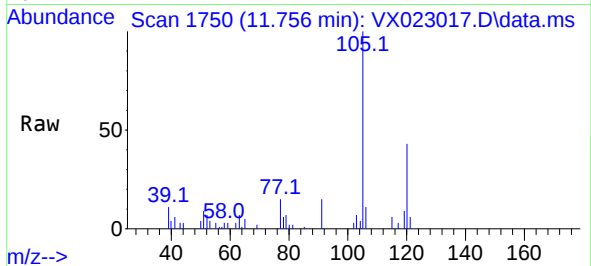
Tgt Ion:119 Resp: 2841  
Ion Ratio Lower Upper  
119 100  
91 83.0 27.9 83.7  
134 27.4 11.3 33.9





#84  
1,2,4-Trimethylbenzene  
Concen: 2.215 ug/l  
RT: 11.756 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

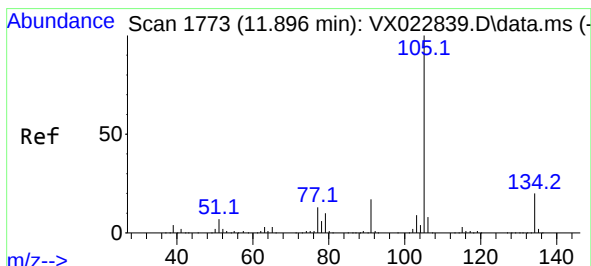
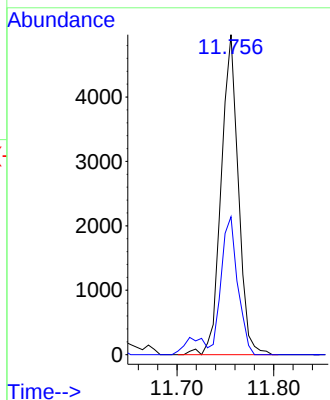
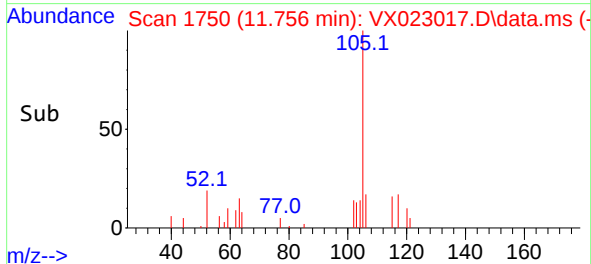
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-5



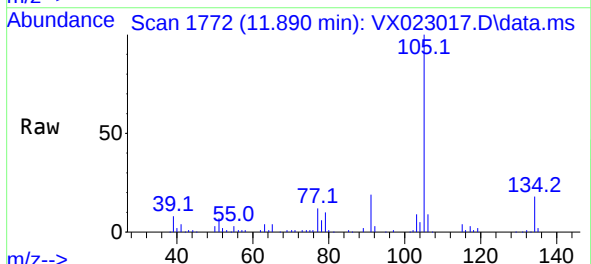
Tgt Ion:105 Resp: 6105  
Ion Ratio Lower Upper  
105 100  
120 41.5 22.4 67.3

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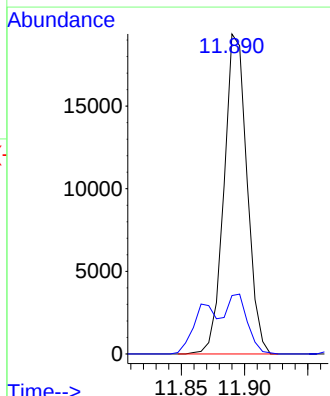
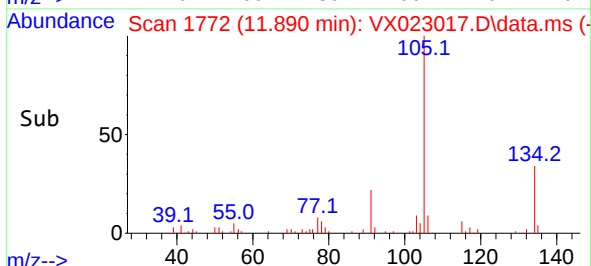
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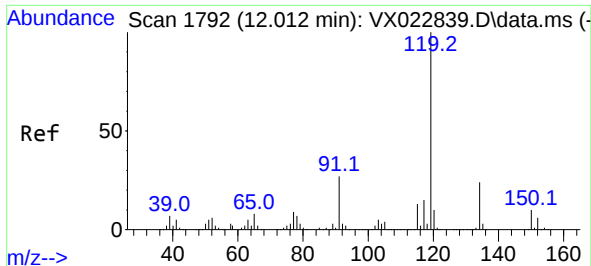


#85  
sec-Butylbenzene  
Concen: 6.988 ug/l  
RT: 11.890 min Scan# 1772  
Delta R.T. -0.006 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38



Tgt Ion:105 Resp: 24374  
Ion Ratio Lower Upper  
105 100  
134 18.4 10.0 29.8





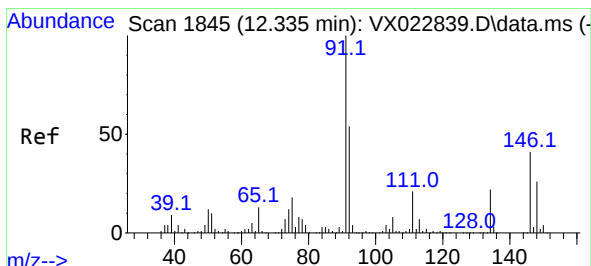
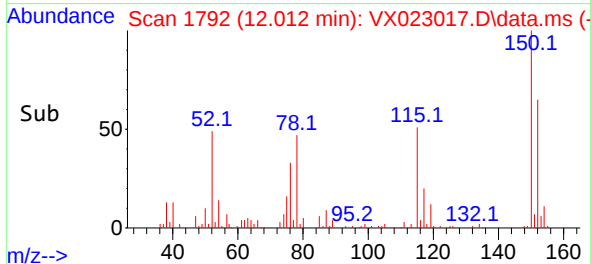
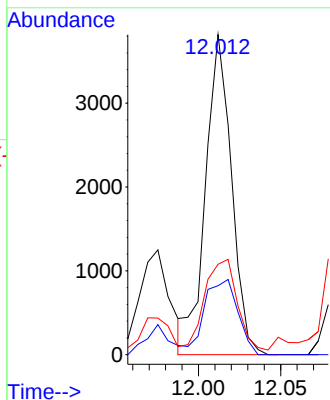
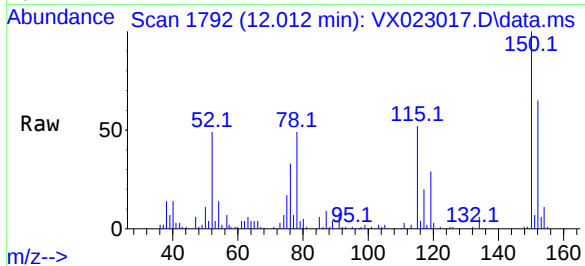
#86  
p-Isopropyltoluene  
Concen: 1.514 ug/l  
RT: 12.012 min Scan# 1792  
Delta R.T. -0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-5

Tgt Ion: 119 Resp: 4196  
Ion Ratio Lower Upper  
119 100  
134 0.0 12.9 38.7#  
91 0.0 11.7 35.0#

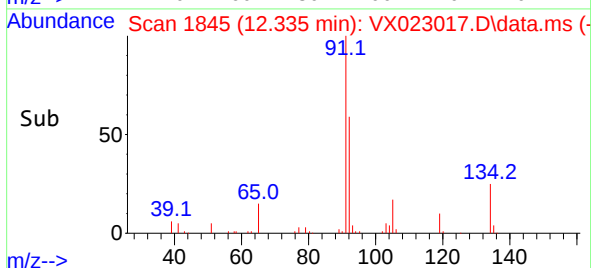
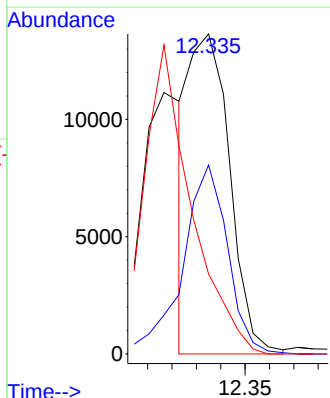
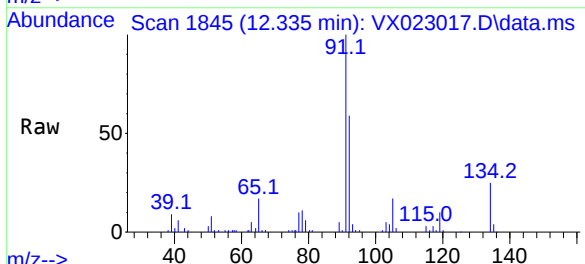
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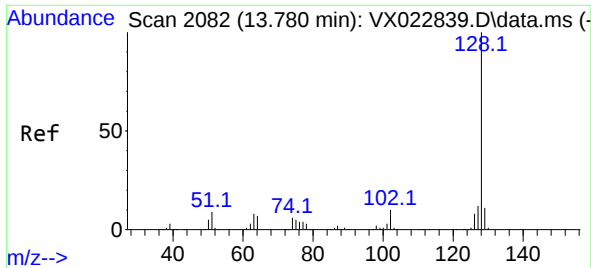
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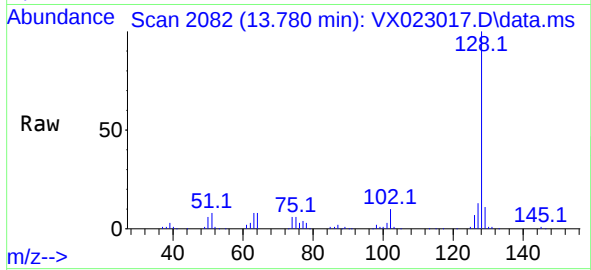
#89  
n-Butylbenzene  
Concen: 5.975 ug/l m  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38

Tgt Ion: 91 Resp: 15746  
Ion Ratio Lower Upper  
91 100  
92 65.8 27.4 82.0  
134 112.3 13.2 39.5#

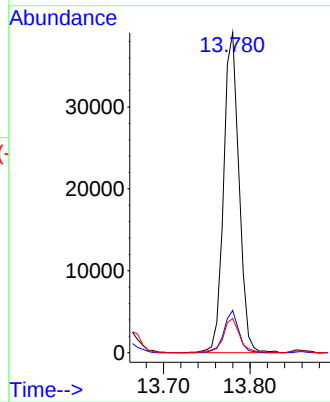
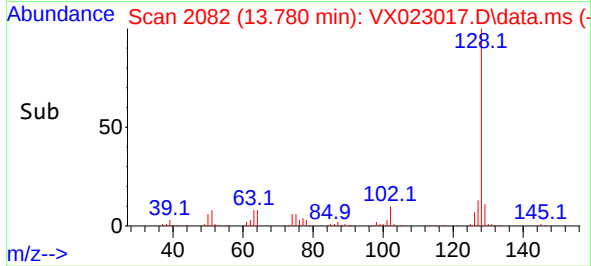




#95  
Naphthalene  
Concen: 16.380 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VX023017.D  
Acq: 29 Jun 2021 20:38



Tgt Ion:128 Resp: 48311  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.3 15.5  
129 11.5 8.8 13.2



Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-5

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