

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052821\  
 Data File : VX022236.D  
 Acq On : 27 May 2021 16:40  
 Operator : JC/MD  
 Sample : M2535-05 20X  
 Misc : 5.99g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GHOST-5D

Manual Integrations  
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 5/28/2021 2:37:53 PM

Quant Time: May 27 17:12:22 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051921W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 19 14:23:10 2021  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|-----------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                       |                |      |                    |       |        |          |
| Internal Standards          |                |      |                    |       |        |          |
| 1) Pentafluorobenzene       | 5.562          | 168  | 70353              | 50.00 | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene     | 6.769          | 114  | 150660             | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 133074             | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 55204              | 50.00 | ug/l   | 0.00     |
|                             |                |      |                    |       |        |          |
| System Monitoring Compounds |                |      |                    |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.964          | 65   | 58534              | 53.94 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = 107.88% |       |        |          |
| 35) Dibromofluoromethane    | 5.397          | 113  | 45200              | 47.31 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 94.62%  |       |        |          |
| 50) Toluene-d8              | 8.653          | 98   | 183582             | 49.88 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = 99.76%  |       |        |          |
| 62) 4-Bromofluorobenzene    | 11.085         | 95   | 66549              | 48.92 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 97.84%  |       |        |          |
|                             |                |      |                    |       |        |          |
| Target Compounds            |                |      |                    |       |        | Qvalue   |
| 39) Methylcyclohexane       | 7.385          | 83   | 5466               | 3.46  | ug/l   | 94       |
| 67) Ethyl Benzene           | 10.195         | 91   | 5935               | 1.16  | ug/l   | 99       |
| 68) m/p-Xylenes             | 10.305         | 106  | 2251               | 1.17  | ug/l   | 92       |
| 73) Isopropylbenzene        | 10.963         | 105  | 6321               | 1.35  | ug/l   | 97       |
| 78) n-propylbenzene         | 11.305         | 91   | 30252              | 5.53  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 4980               | 1.29  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 11.756         | 105  | 51881              | 13.31 | ug/l   | 100      |
| 85) sec-Butylbenzene        | 11.896         | 105  | 4784               | 1.01  | ug/l   | 86       |
| 86) p-Isopropyltoluene      | 12.012         | 119  | 1698m              | 0.43  | ug/l   |          |
| 89) n-Butylbenzene          | 12.335         | 91   | 13290              | 3.60  | ug/l # | 63       |
| 95) Naphthalene             | 13.780         | 128  | 17436              | 4.04  | ug/l   | 98       |
| -----                       |                |      |                    |       |        |          |

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

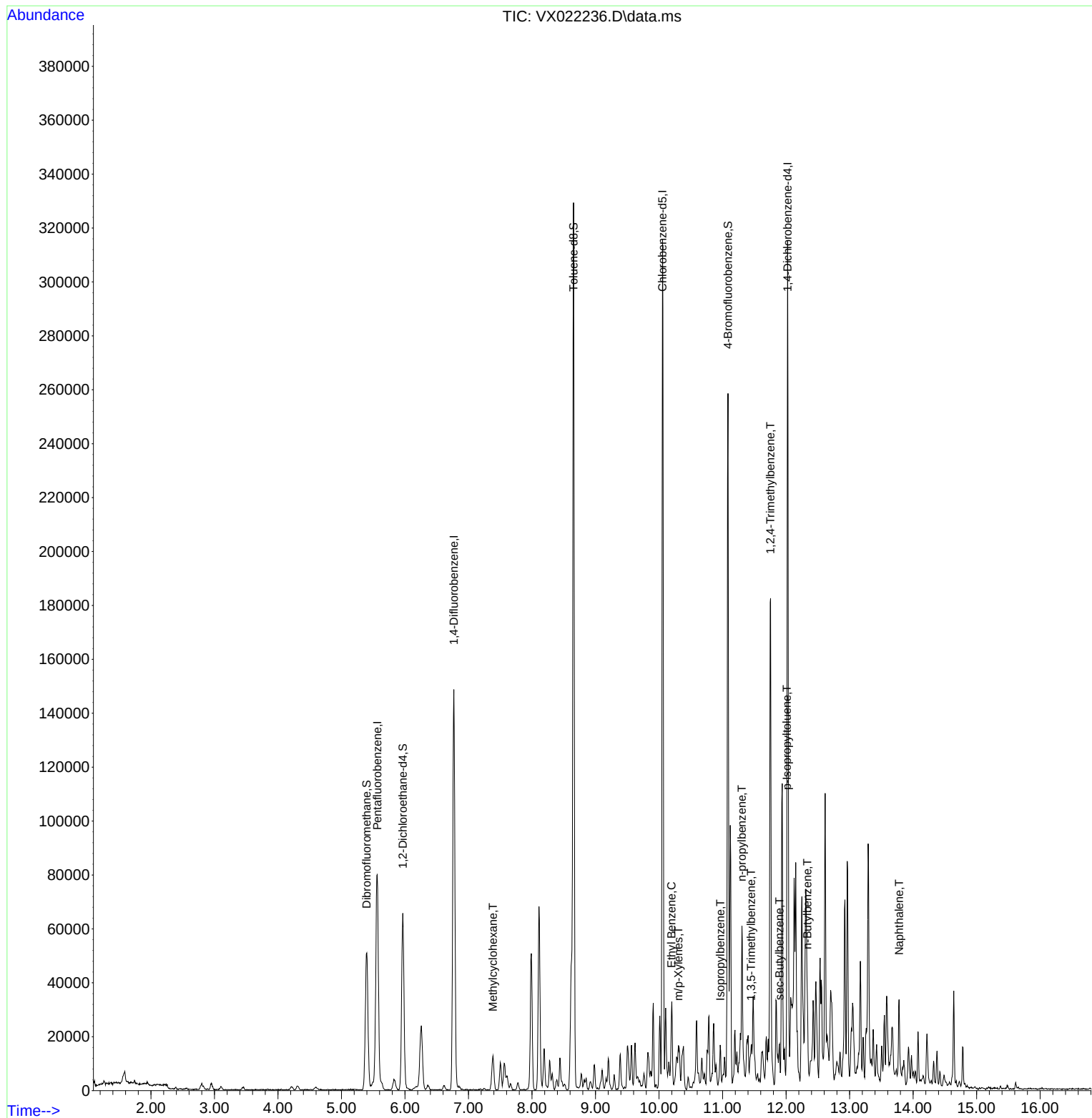
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052821\  
Data File : VX022236.D  
Acq On : 27 May 2021 16:40  
Operator : JC/MD  
Sample : M2535-05 20X  
Misc : 5.99g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 14 Sample Multiplier: 1

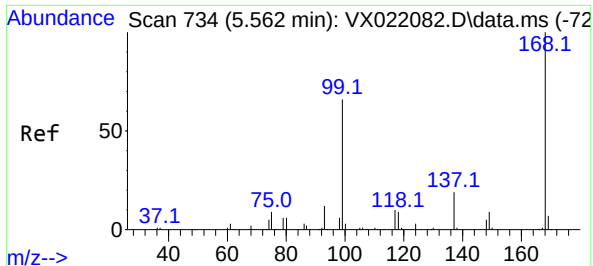
Instrument :  
MSVOA\_X  
ClientSampleId :  
GHOST-5D

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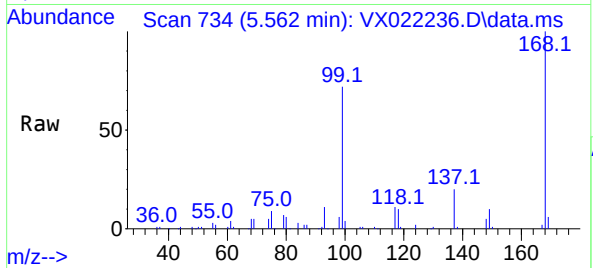
MMDadoda  
5/28/2021 2:37:53 PM

Quant Time: May 27 17:12:22 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051921W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 19 14:23:10 2021  
Response via : Initial Calibration

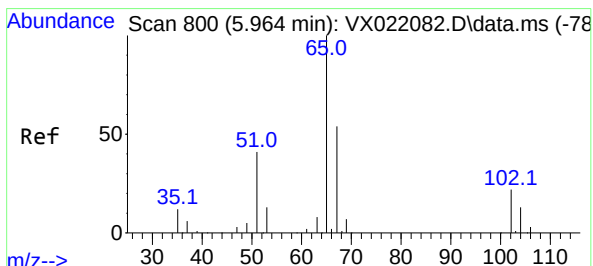
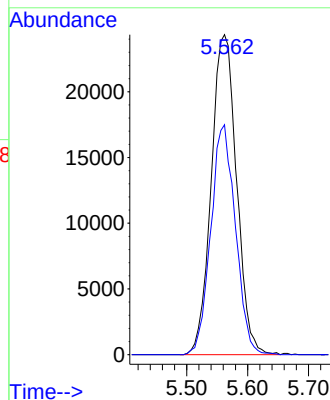
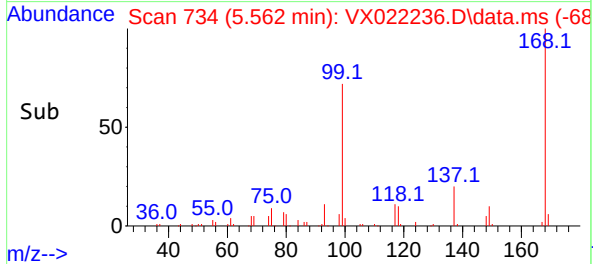




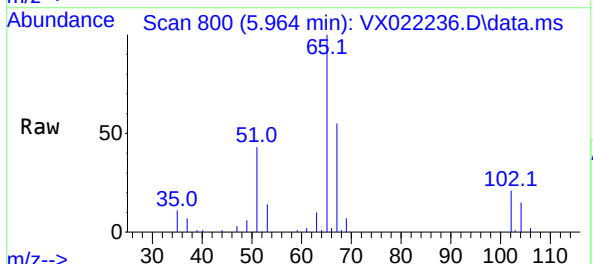
#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX022236.D  
Acq: 27 May 2021 16:40



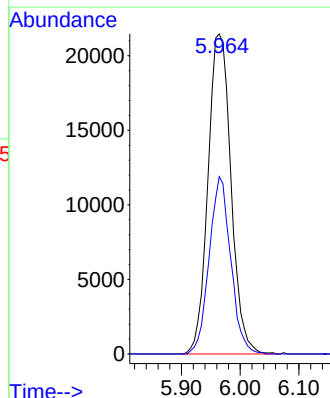
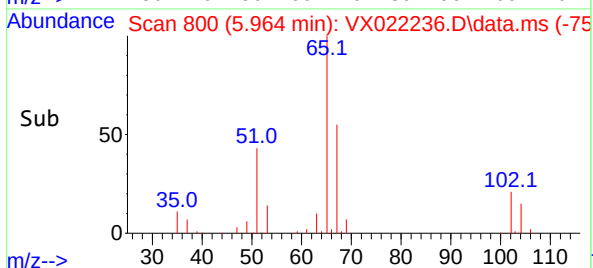
Tgt Ion:168 Resp: 70353  
Ion Ratio Lower Upper  
168 100  
99 71.9 45.8 68.6#



#33  
1,2-Dichloroethane-d4  
Concen: 53.94 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX022236.D  
Acq: 27 May 2021 16:40



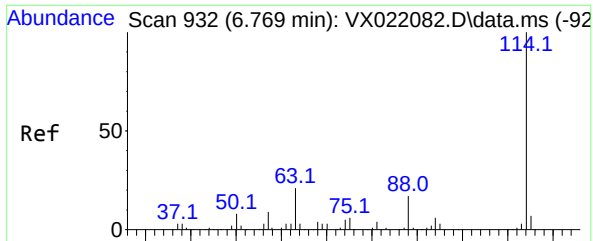
Tgt Ion: 65 Resp: 58534  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 105.4



Instrument :  
MSVOA\_X  
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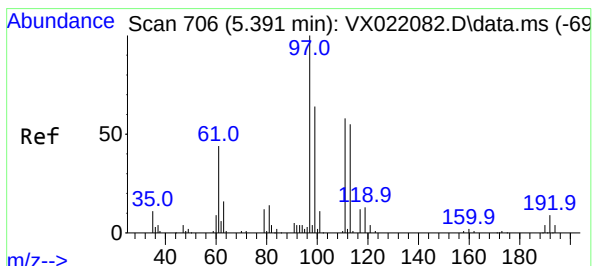
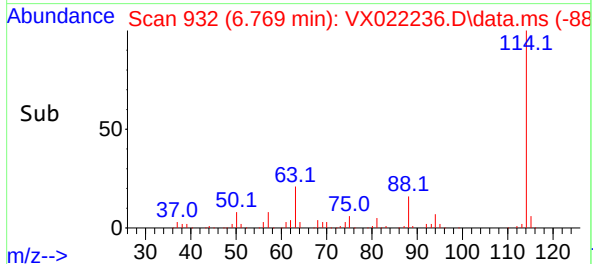
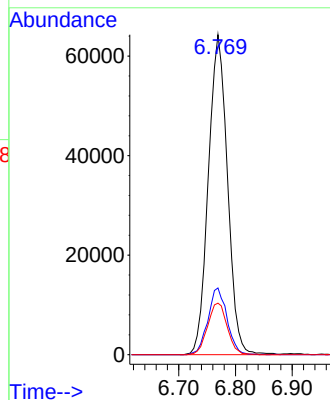
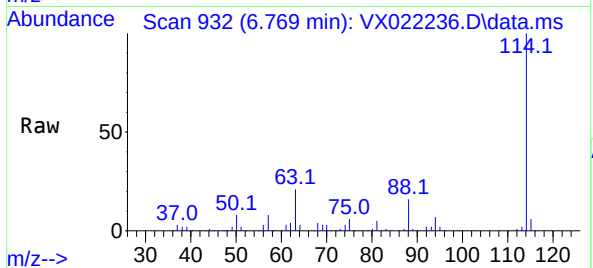
#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX022236.D  
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Tgt Ion:114 Resp: 150660  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 40.8  
88 16.1 0.0 32.8

Instrument :  
MSVOA\_X  
ClientSampled :  
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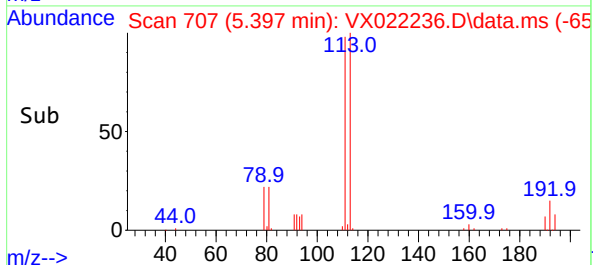
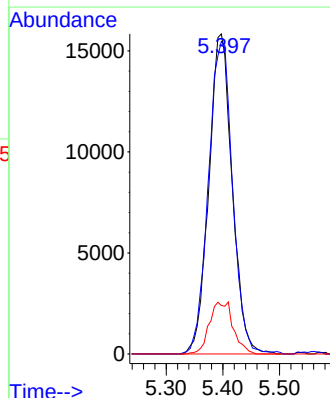
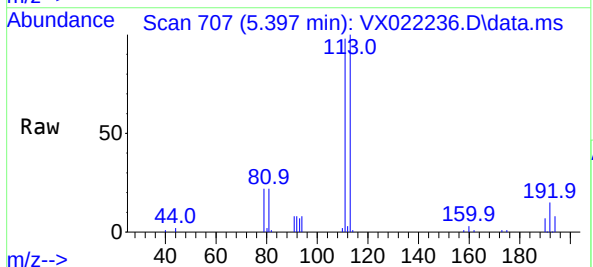
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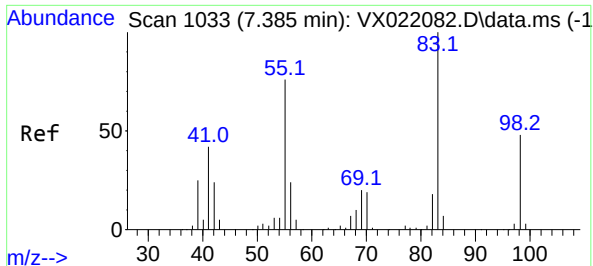
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#35  
Dibromofluoromethane  
Concen: 47.31 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.006 min  
Lab File: VX022236.D  
Acq: 27 May 2021 16:40

Tgt Ion:113 Resp: 45200  
Ion Ratio Lower Upper  
113 100  
111 101.8 81.9 122.9  
192 16.5 16.7 25.1#





#39

Methylcyclohexane

Concen: 3.46 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX022236.D

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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 5466  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 69.9  | 58.9  | 88.3  |
| 98       | 54.0  | 38.1  | 57.1  |

Instrument :

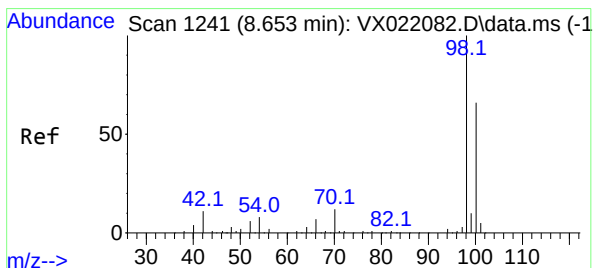
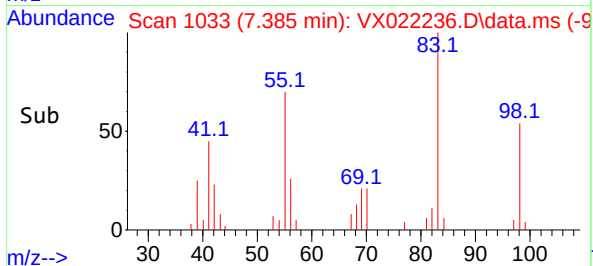
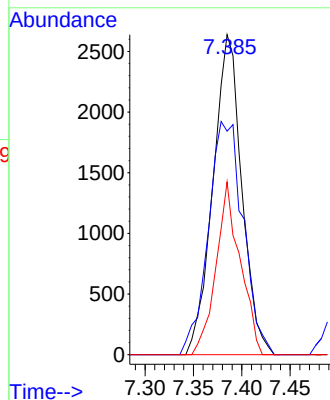
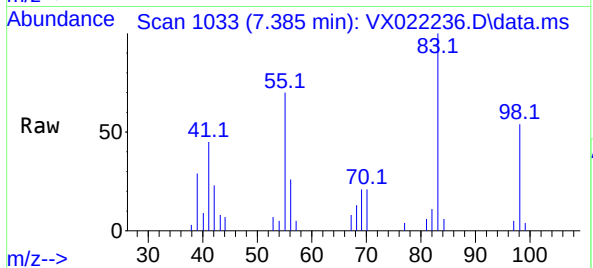
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#50

Toluene-d8

Concen: 49.88 ug/l

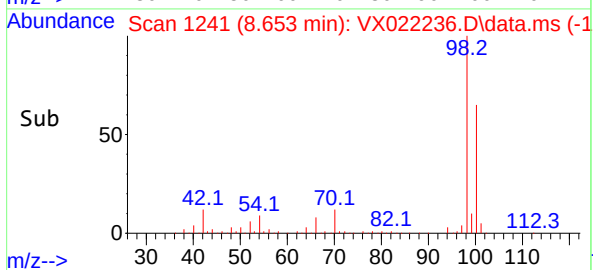
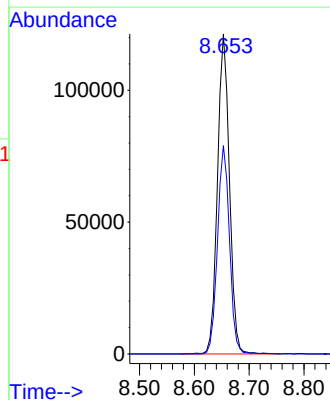
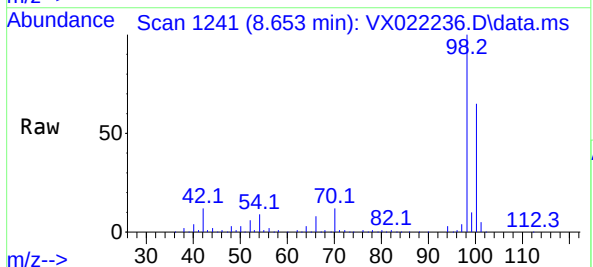
RT: 8.653 min Scan# 1241

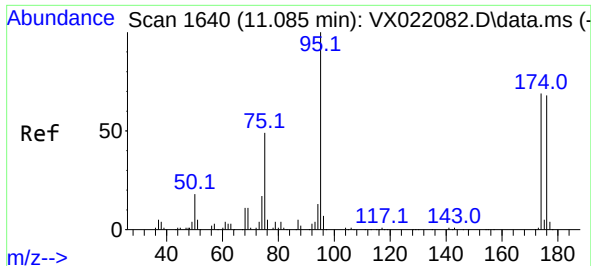
Delta R.T. -0.000 min

Lab File: VX022236.D

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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 183582 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.0  | 51.9  | 77.9   |





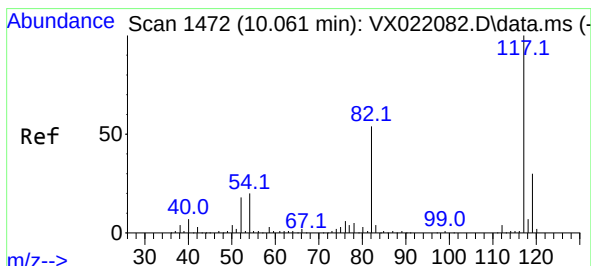
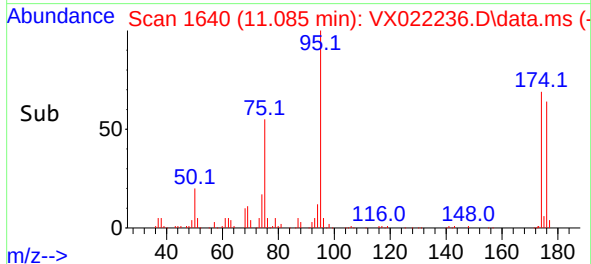
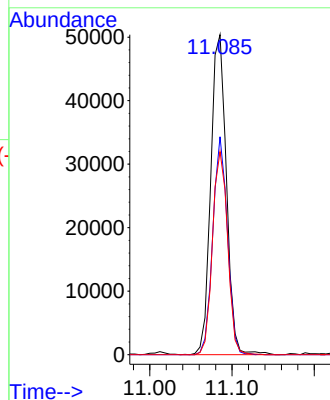
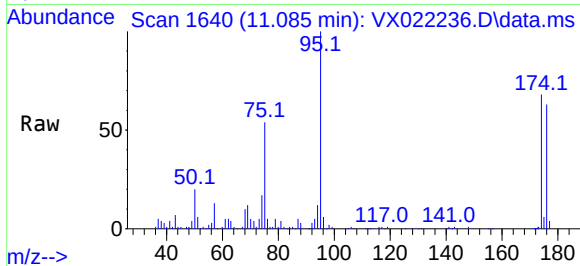
#62  
4-Bromofluorobenzene  
Concen: 48.92 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022236.D  
Acq: 27 May 2021 16:40

Tgt Ion: 95 Resp: 66549  
Ion Ratio Lower Upper  
95 100  
174 63.6 0.0 154.6  
176 61.2 0.0 155.8

Instrument :  
MSVOA\_X  
ClientSampleId :  
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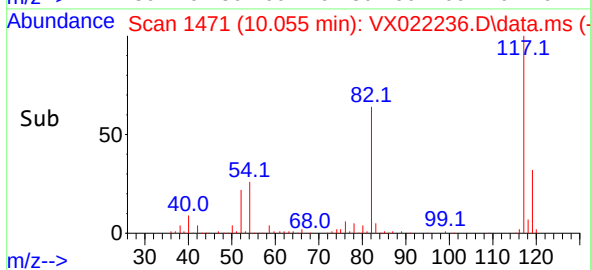
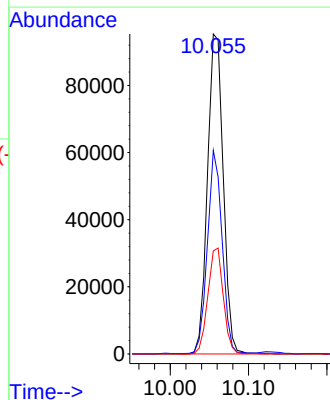
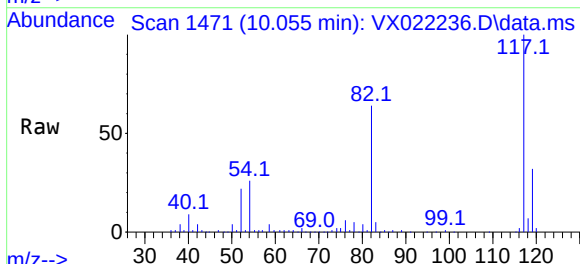
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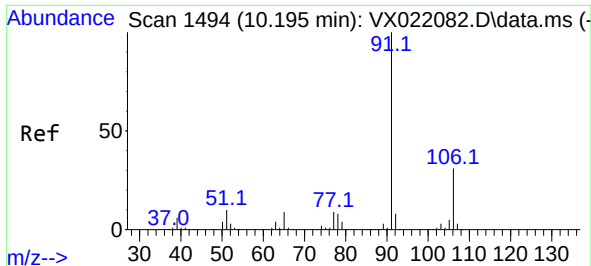
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#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX022236.D  
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Tgt Ion: 117 Resp: 133074  
Ion Ratio Lower Upper  
117 100  
82 63.4 47.4 71.2  
119 32.2 26.6 39.8





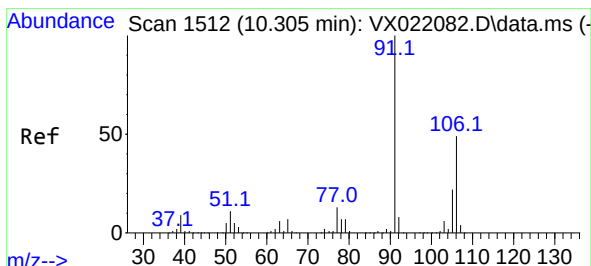
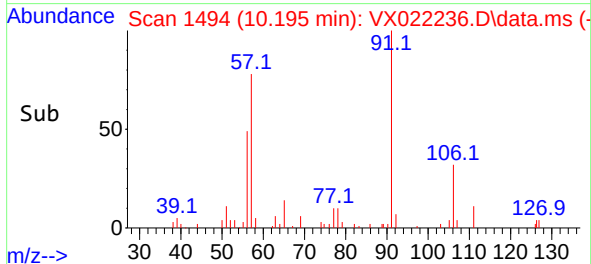
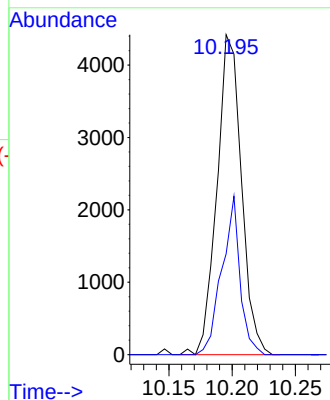
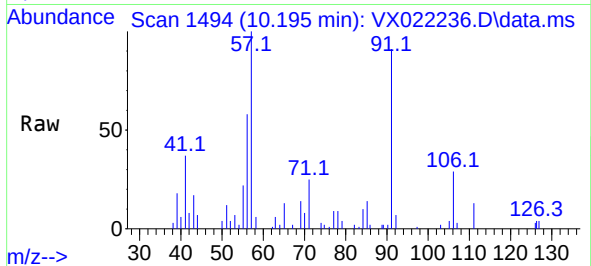
#67  
Ethyl Benzene  
Concen: 1.16 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX022236.D  
Acq: 27 May 2021 16:40

Instrument :  
MSVOA\_X  
ClientSampled :  
GHOST-5D

Tgt Ion: 91 Resp: 5935  
Ion Ratio Lower Upper  
91 100  
106 31.5 24.6 37.0

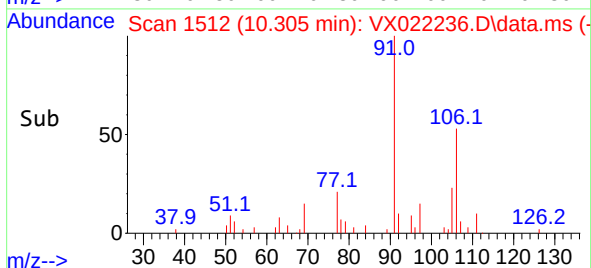
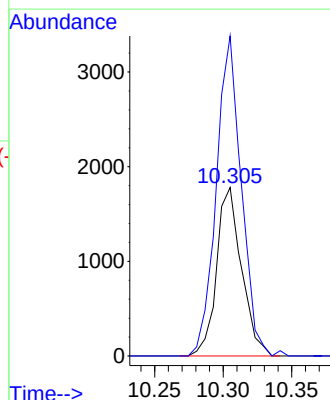
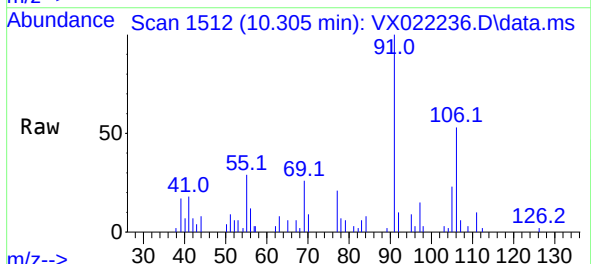
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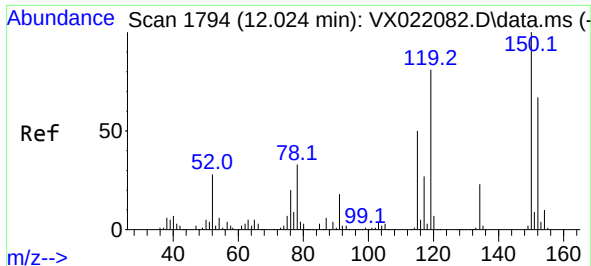
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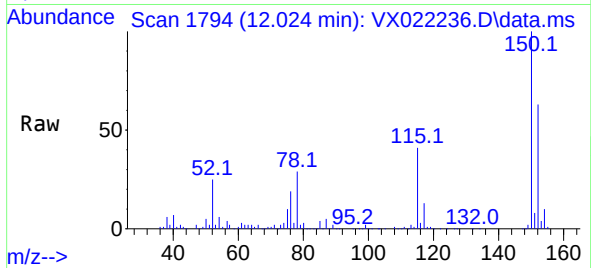
#68  
m/p-Xylenes  
Concen: 1.17 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. -0.000 min  
Lab File: VX022236.D  
Acq: 27 May 2021 16:40

Tgt Ion: 106 Resp: 2251  
Ion Ratio Lower Upper  
106 100  
91 191.2 162.8 244.2

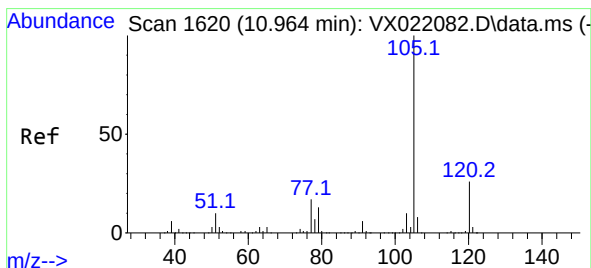
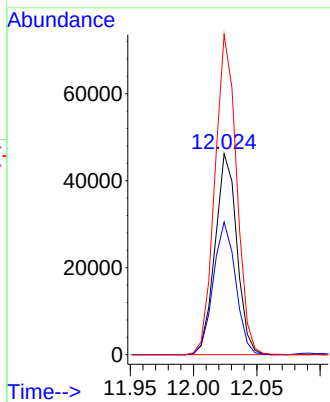
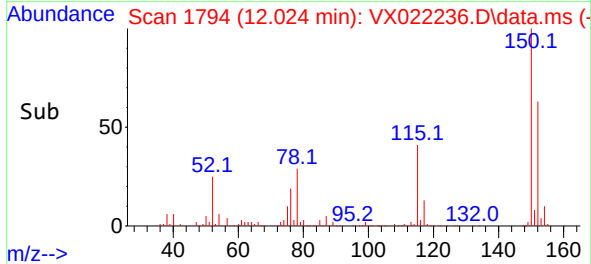




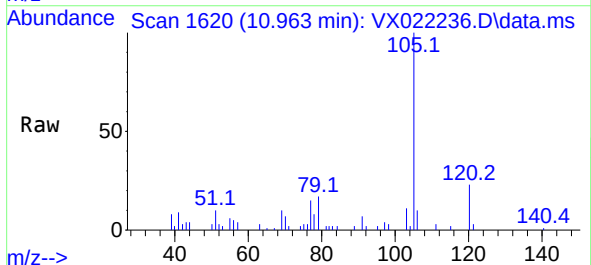
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX022236.D  
Acq: 27 May 2021 16:40



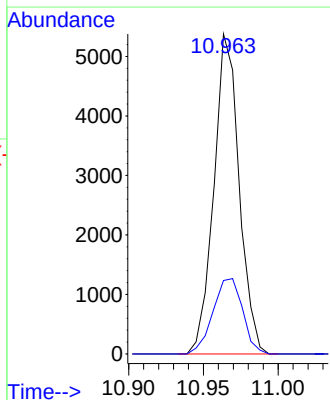
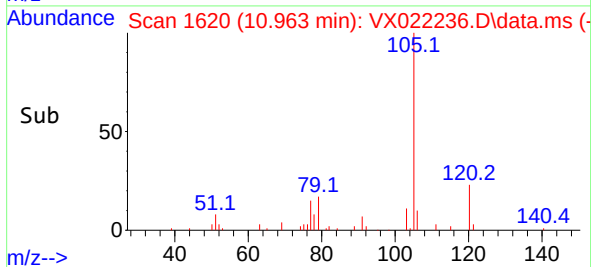
Tgt Ion:152 Resp: 55204  
Ion Ratio Lower Upper  
152 100  
115 67.7 41.1 123.3  
150 159.0 0.0 349.0



#73  
Isopropylbenzene  
Concen: 1.35 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. -0.001 min  
Lab File: VX022236.D  
Acq: 27 May 2021 16:40



Tgt Ion:105 Resp: 6321  
Ion Ratio Lower Upper  
105 100  
120 27.7 13.2 39.6

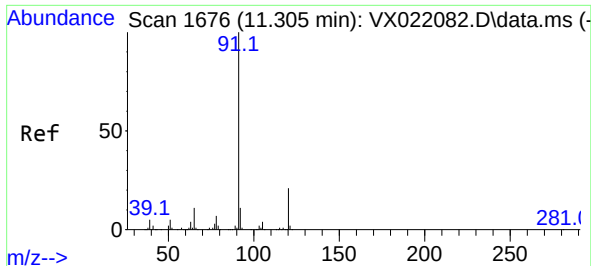


Instrument :  
MSVOA\_X  
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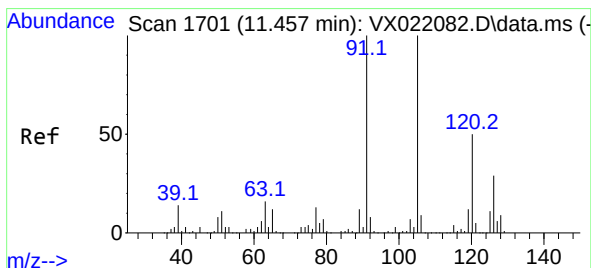
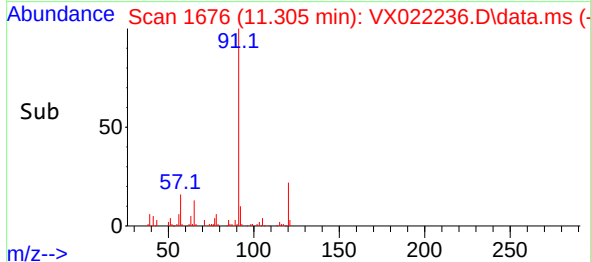
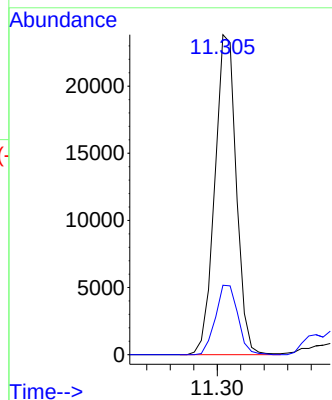
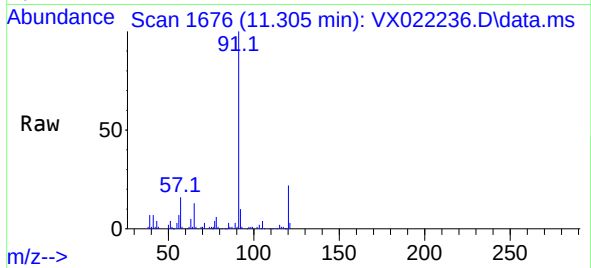
#78  
n-propylbenzene  
Concen: 5.53 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX022236.D  
Acq: 27 May 2021 16:40

Instrument :  
MSVOA\_X  
ClientSampleId :  
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Tgt Ion: 91 Resp: 30252  
Ion Ratio Lower Upper  
91 100  
120 22.6 11.5 34.5

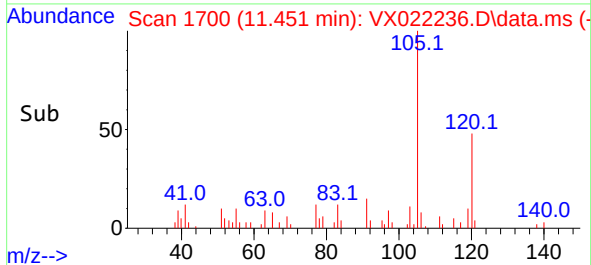
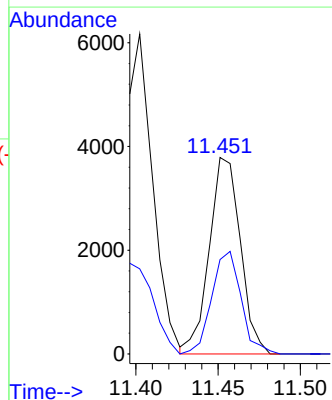
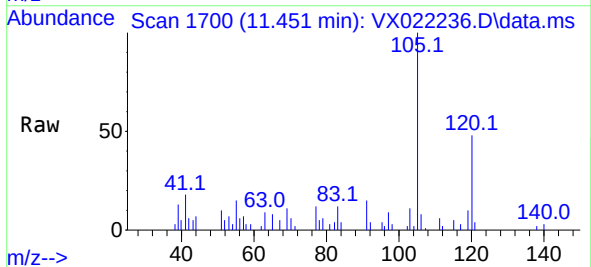
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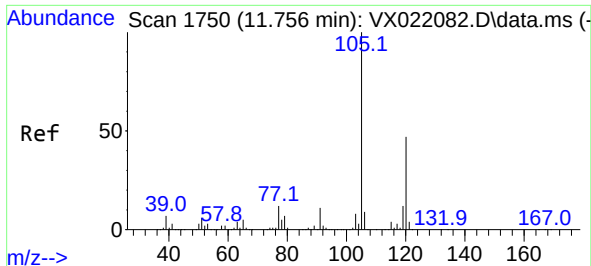
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#80  
1,3,5-Trimethylbenzene  
Concen: 1.29 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.006 min  
Lab File: VX022236.D  
Acq: 27 May 2021 16:40

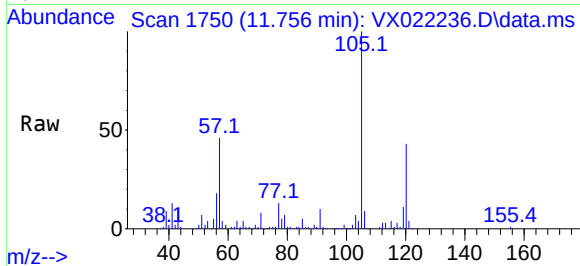
Tgt Ion: 105 Resp: 4980  
Ion Ratio Lower Upper  
105 100  
120 49.2 23.8 71.5





#84  
1,2,4-Trimethylbenzene  
Concen: 13.31 ug/l  
RT: 11.756 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VX022236.D  
Acq: 27 May 2021 16:40

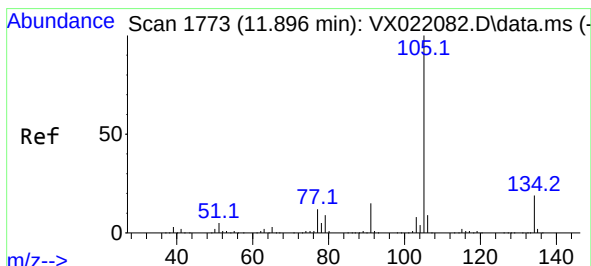
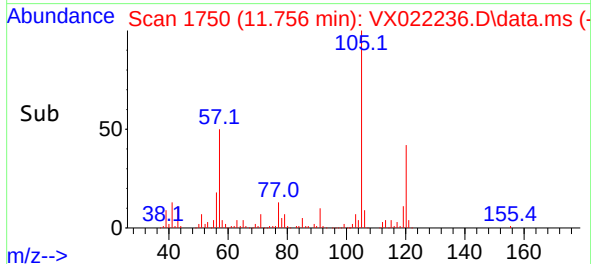
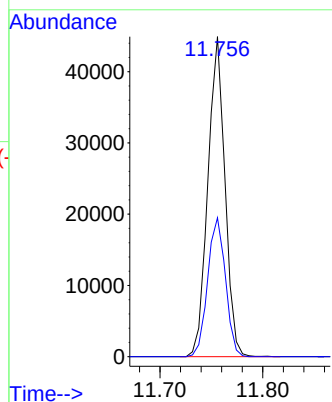
Instrument :  
MSVOA\_X  
ClientSampled :  
GHOST-5D



Tgt Ion:105 Resp: 51881  
Ion Ratio Lower Upper  
105 100  
120 45.1 22.4 67.3

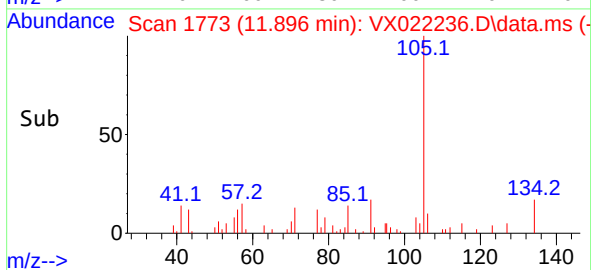
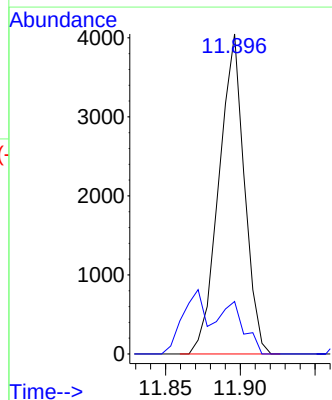
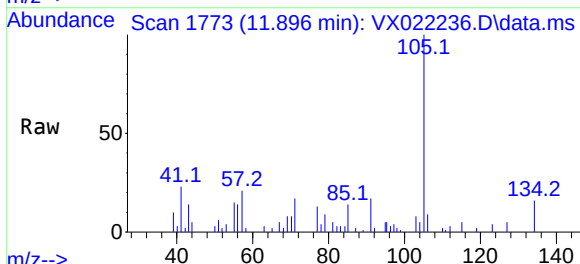
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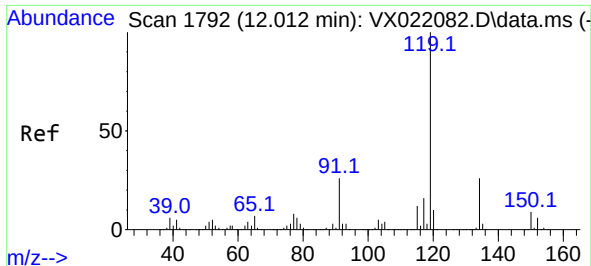
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#85  
sec-Butylbenzene  
Concen: 1.01 ug/l  
RT: 11.896 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VX022236.D  
Acq: 27 May 2021 16:40

Tgt Ion:105 Resp: 4784  
Ion Ratio Lower Upper  
105 100  
134 13.4 10.0 29.8





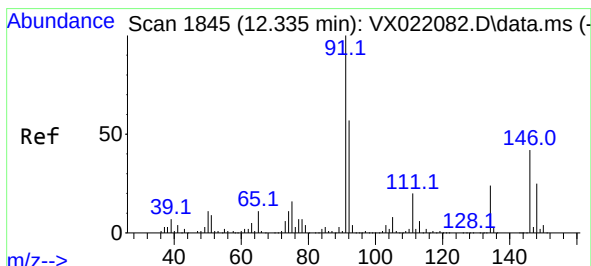
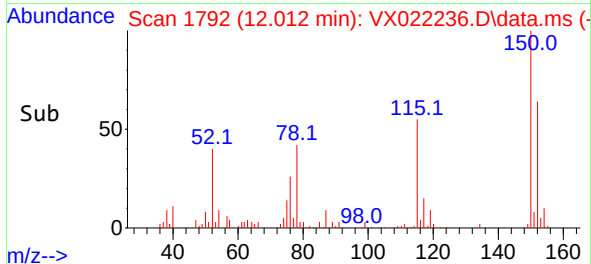
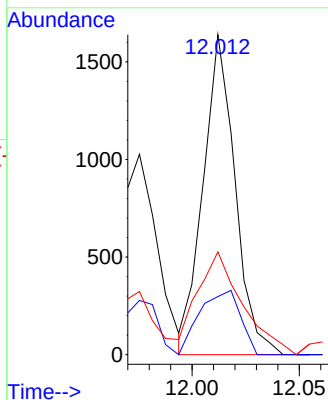
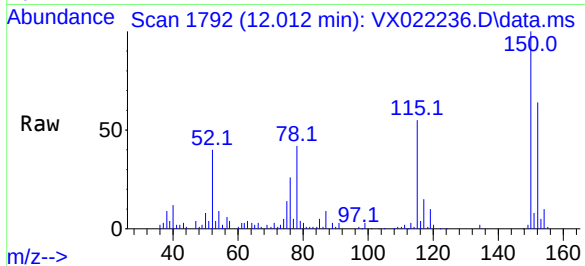
#86  
p-Isopropyltoluene  
Concen: 0.43 ug/l m  
RT: 12.012 min Scan# 1792  
Delta R.T. -0.000 min  
Lab File: VX022236.D  
Acq: 27 May 2021 16:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 1698  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 20.0  | 12.9  | 38.7  |
| 91       | 23.7  | 11.7  | 35.0  |

Instrument :  
MSVOA\_X  
ClientSampled :  
GHOST-5D

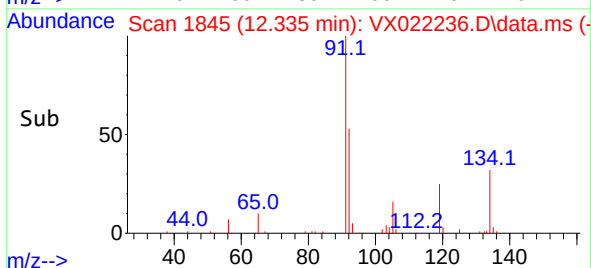
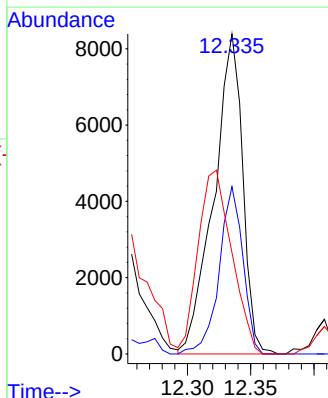
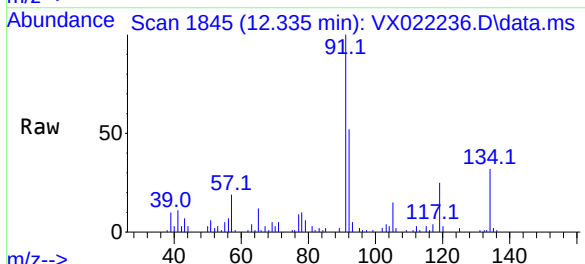
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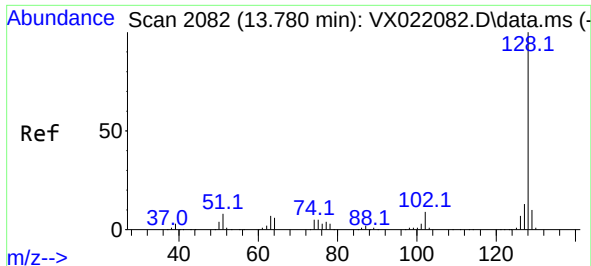
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#89  
n-Butylbenzene  
Concen: 3.60 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX022236.D  
Acq: 27 May 2021 16:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 13290 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 43.1  | 27.4  | 82.0  |
| 134      | 66.9  | 13.2  | 39.5# |





#95  
Naphthalene  
Concen: 4.04 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VX022236.D  
Acq: 27 May 2021 16:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.5  | 10.3  | 15.5  |
| 129     | 12.1  | 8.8   | 13.2  |

Instrument :  
MSVOA\_X  
ClientSampleId :  
GHOST-5D

Manual Integrations  
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