

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041922\  
 Data File : VX028162.D  
 Acq On : 19 Apr 2022 16:05  
 Operator : JC/MD  
 Sample : N2452-07ME  
 Misc : 5.15g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WC-15-1-4-GRME

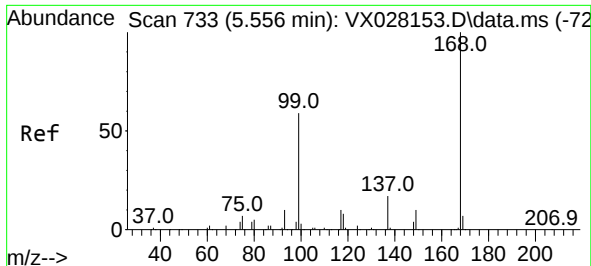
Quant Time: Apr 20 08:15:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041922W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 19 13:38:04 2022  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| -----                       |                |      |            |         |        |          |
| Internal Standards          |                |      |            |         |        |          |
| 1) Pentafluorobenzene       | 5.550          | 168  | 406852     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763          | 114  | 681903     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 634263     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.030         | 152  | 394163     | 50.000  | ug/l   | 0.00     |
|                             |                |      |            |         |        |          |
| System Monitoring Compounds |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958          | 65   | 244059     | 46.007  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 92.020% |        |          |
| 35) Dibromofluoromethane    | 5.391          | 113  | 214023     | 44.755  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 89.500% |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 806257     | 43.897  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 87.800% |        |          |
| 62) 4-Bromofluorobenzene    | 11.085         | 95   | 341398     | 48.612  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 97.220% |        |          |
|                             |                |      |            |         |        |          |
| Target Compounds            |                |      |            |         | Qvalue |          |
| 31) Cyclohexane             | 5.452          | 56   | 29912      | 4.628   | ug/l   | 92       |
| 39) Methylcyclohexane       | 7.373          | 83   | 193312     | 24.561  | ug/l   | 97       |
| 67) Ethyl Benzene           | 10.195         | 91   | 30305      | 1.336   | ug/l   | 98       |
| 68) m/p-Xylenes             | 10.305         | 106  | 99552      | 10.787  | ug/l   | 97       |
| 69) o-Xylene                | 10.646         | 106  | 42956      | 4.668   | ug/l   | 98       |
| 73) Isopropylbenzene        | 10.963         | 105  | 177322     | 6.545   | ug/l   | 100      |
| 78) n-propylbenzene         | 11.305         | 91   | 251274     | 8.364   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene  | 11.457         | 105  | 1318172    | 57.318  | ug/l   | 96       |
| 83) tert-Butylbenzene       | 11.719         | 119  | 74141      | 3.157   | ug/l   | 85       |
| 84) 1,2,4-Trimethylbenzene  | 11.756         | 105  | 2615931    | 114.430 | ug/l   | 94       |
| 85) sec-Butylbenzene        | 11.896         | 105  | 340019     | 12.002  | ug/l   | 97       |
| 86) p-Isopropyltoluene      | 12.012         | 119  | 102101     | 4.177   | ug/l   | 97       |
| -----                       |                |      |            |         |        |          |

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

Quant Time: Apr 20 08:15:56 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041922W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 19 13:38:04 2022  
Response via : Initial Calibration

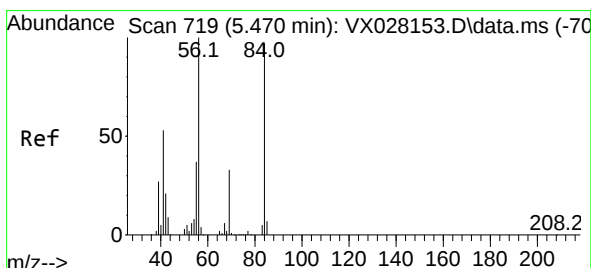
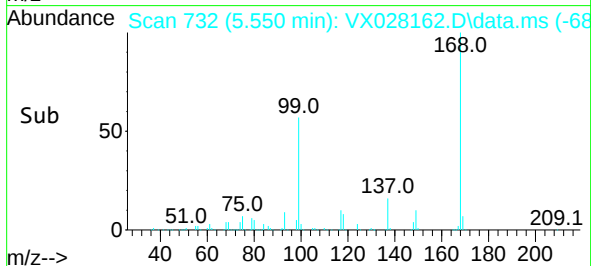
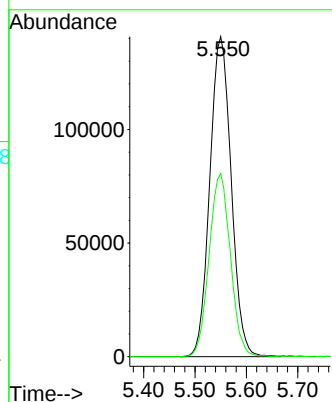
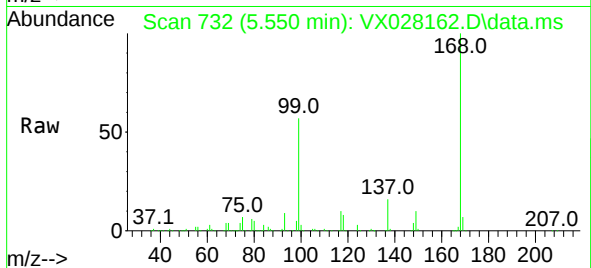




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 716  
Delta R.T. -0.006 min  
Lab File: VX028162.D  
Acq: 19 Apr 2022 16:05

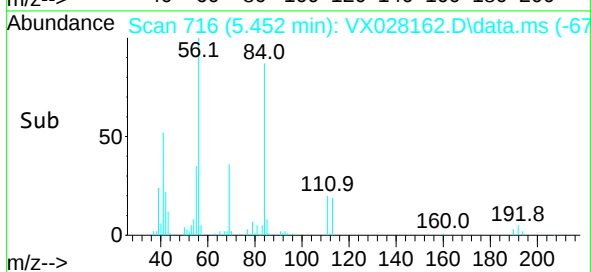
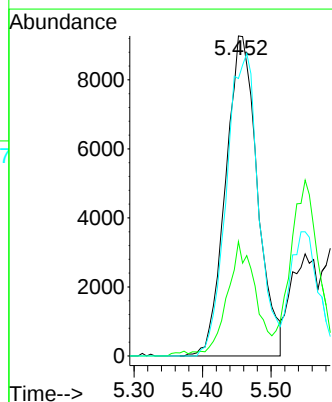
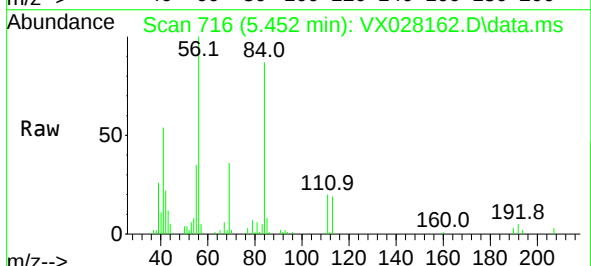
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-15-1-4-GRME

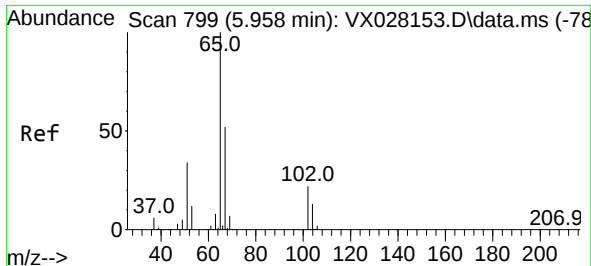
Tgt Ion:168 Resp: 406852  
Ion Ratio Lower Upper  
168 100  
99 57.2 41.7 62.5



#31  
Cyclohexane  
Concen: 4.628 ug/l  
RT: 5.452 min Scan# 716  
Delta R.T. -0.018 min  
Lab File: VX028162.D  
Acq: 19 Apr 2022 16:05

Tgt Ion: 56 Resp: 29912  
Ion Ratio Lower Upper  
56 100  
69 34.8 26.7 40.1  
84 86.7 77.2 115.8

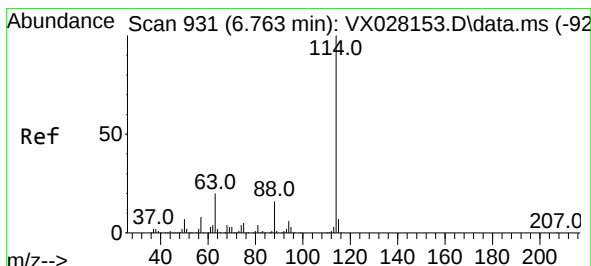
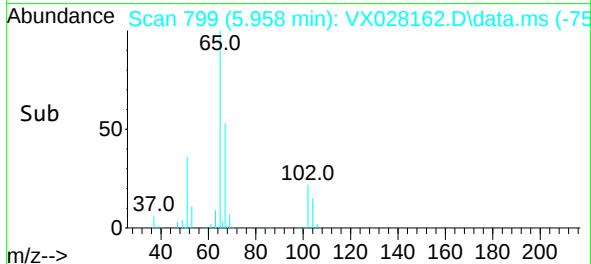
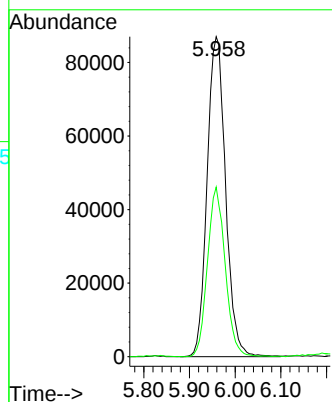
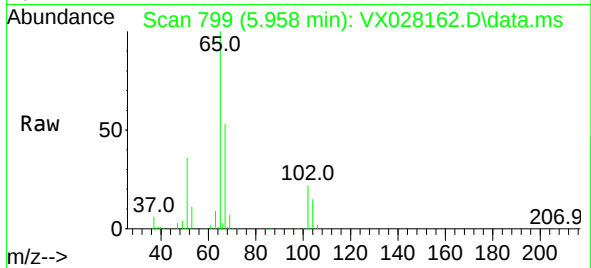




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.007 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX028162.D  
 Acq: 19 Apr 2022 16:05

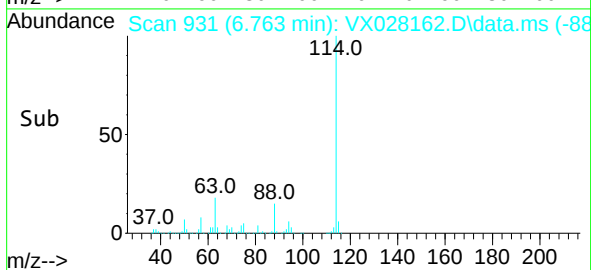
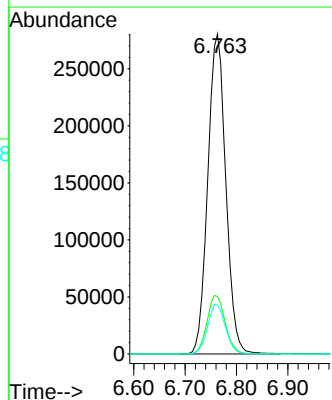
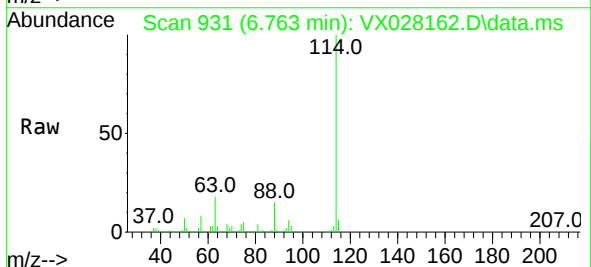
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WC-15-1-4-GRME

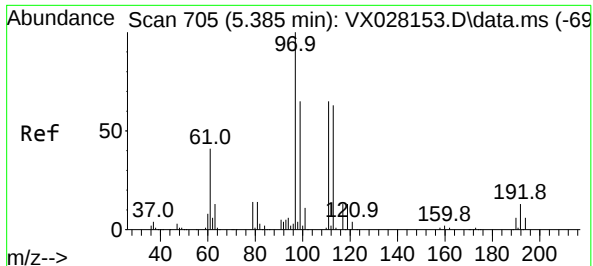
Tgt Ion: 65 Resp: 244059  
 Ion Ratio Lower Upper  
 65 100  
 67 50.9 0.0 107.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.000 min  
 Lab File: VX028162.D  
 Acq: 19 Apr 2022 16:05

Tgt Ion: 114 Resp: 681903  
 Ion Ratio Lower Upper  
 114 100  
 63 18.0 0.0 36.8  
 88 15.3 0.0 32.4

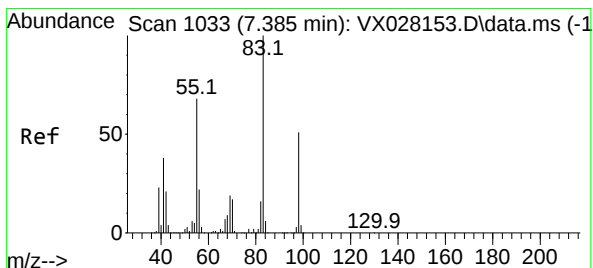
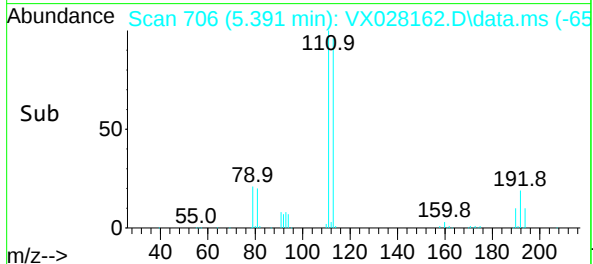
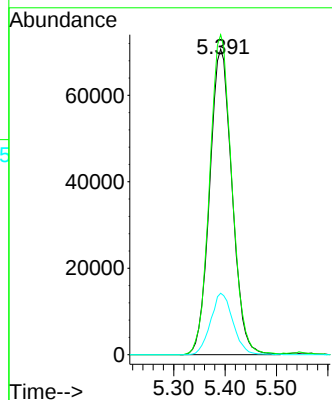
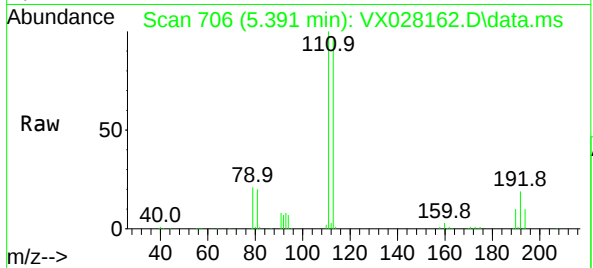




#35  
 Dibromofluoromethane  
 Concen: 44.755 ug/l  
 RT: 5.391 min Scan# 705  
 Delta R.T. 0.006 min  
 Lab File: VX028162.D  
 Acq: 19 Apr 2022 16:05

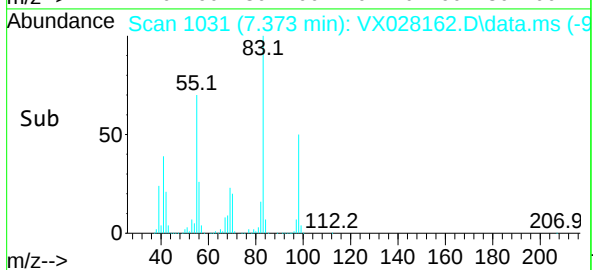
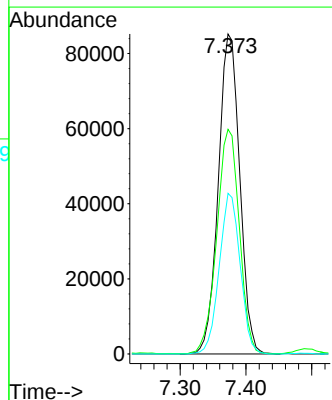
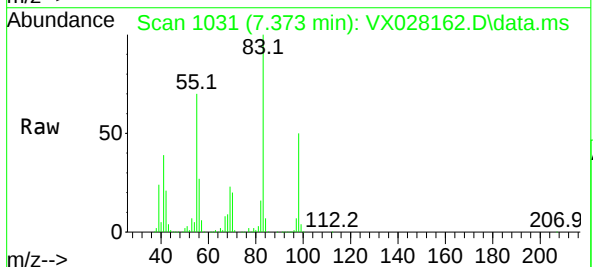
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WC-15-1-4-GRME

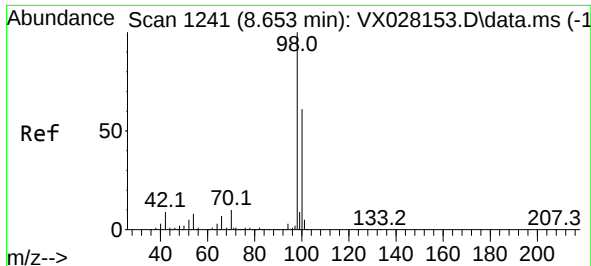
Tgt Ion:113 Resp: 214023  
 Ion Ratio Lower Upper  
 113 100  
 111 104.1 82.8 124.2  
 192 20.1 16.9 25.3



#39  
 Methylcyclohexane  
 Concen: 24.561 ug/l  
 RT: 7.373 min Scan# 1031  
 Delta R.T. -0.012 min  
 Lab File: VX028162.D  
 Acq: 19 Apr 2022 16:05

Tgt Ion: 83 Resp: 193312  
 Ion Ratio Lower Upper  
 83 100  
 55 70.1 54.6 81.8  
 98 50.2 37.4 56.2

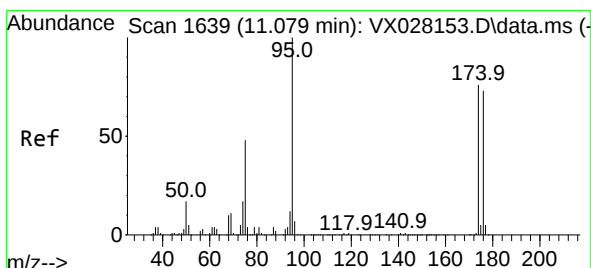
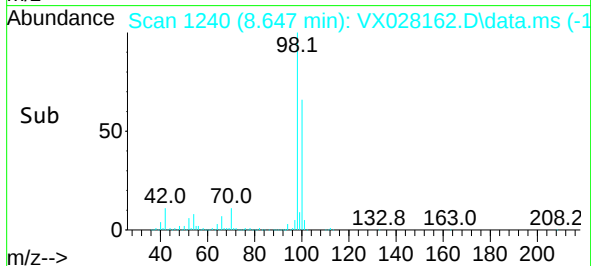
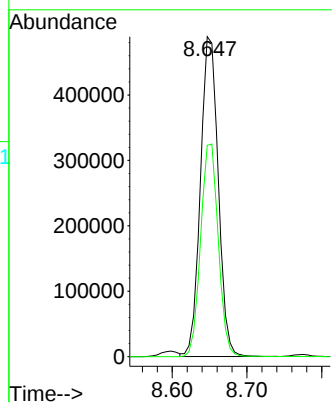
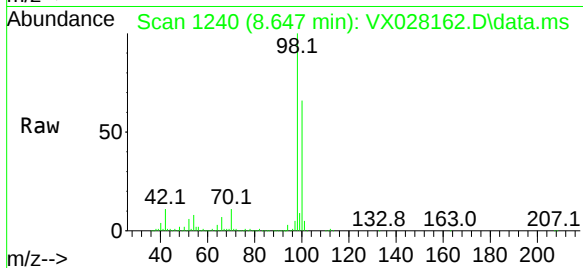




#50  
Toluene-d8  
Concen: 43.897 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX028162.D  
Acq: 19 Apr 2022 16:05

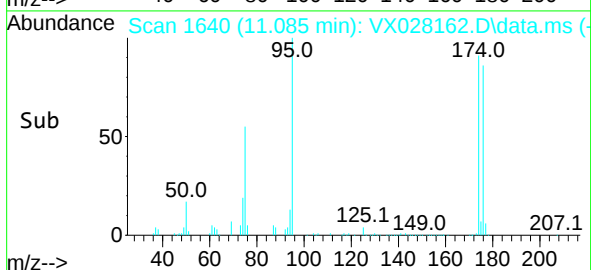
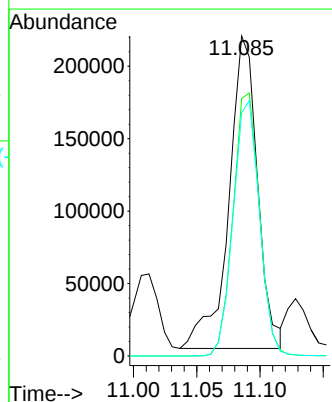
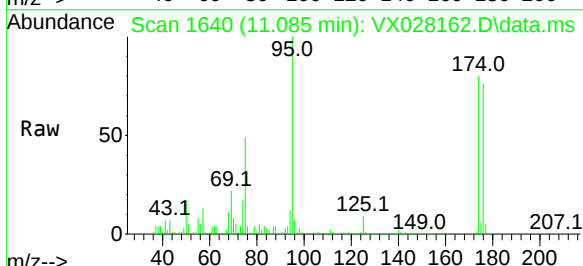
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-15-1-4-GRME

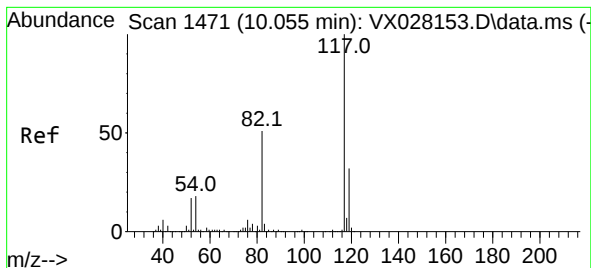
Tgt Ion: 98 Resp: 806257  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 48.612 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.006 min  
Lab File: VX028162.D  
Acq: 19 Apr 2022 16:05

Tgt Ion: 95 Resp: 341398  
Ion Ratio Lower Upper  
95 100  
174 77.4 0.0 163.0  
176 74.8 0.0 155.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX028162.D

Acq: 19 Apr 2022 16:05

Instrument :

MSVOA\_X

ClientSampleId :

WC-15-1-4-GRME

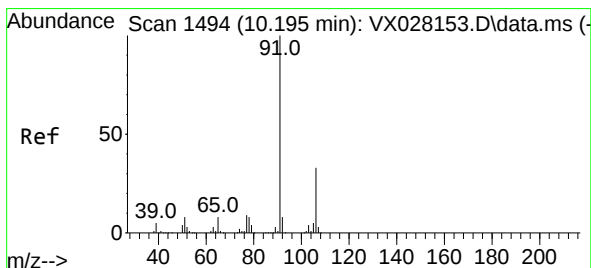
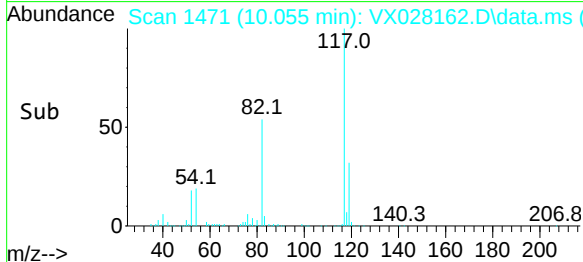
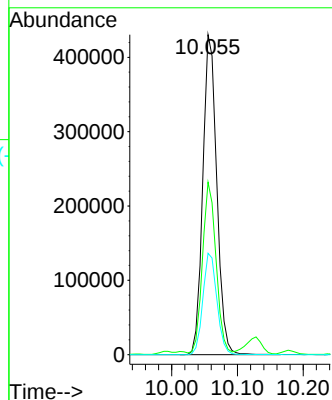
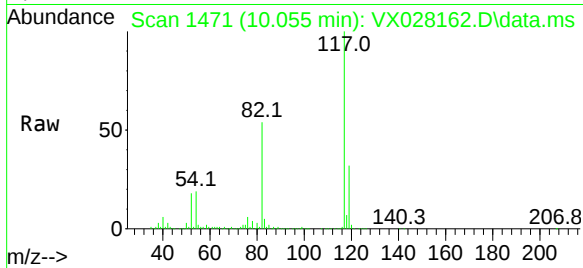
Tgt Ion:117 Resp: 634263

Ion Ratio Lower Upper

117 100

82 53.3 41.8 62.8

119 31.7 24.8 37.2



#67

Ethyl Benzene

Concen: 1.336 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX028162.D

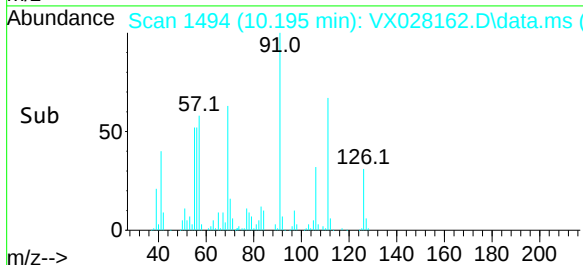
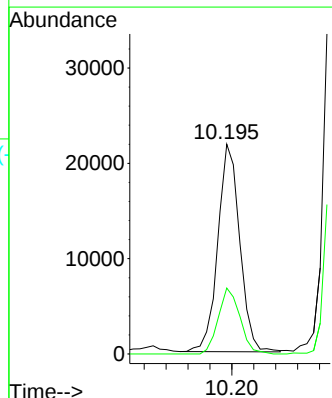
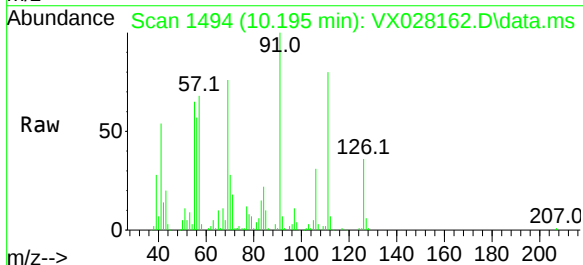
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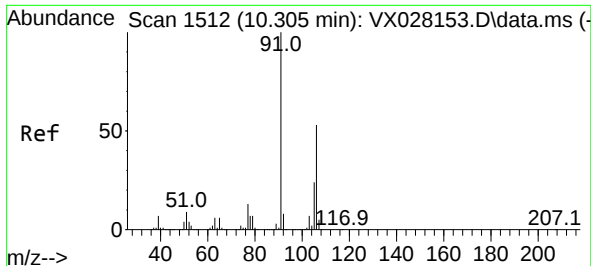
Tgt Ion: 91 Resp: 30305

Ion Ratio Lower Upper

91 100

106 31.8 24.6 36.8

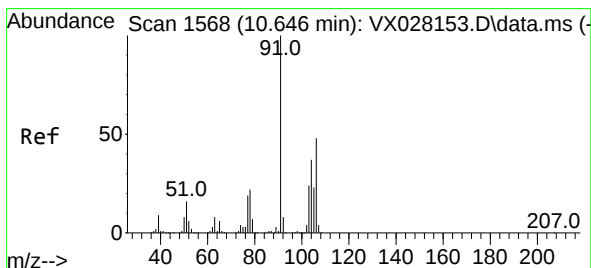
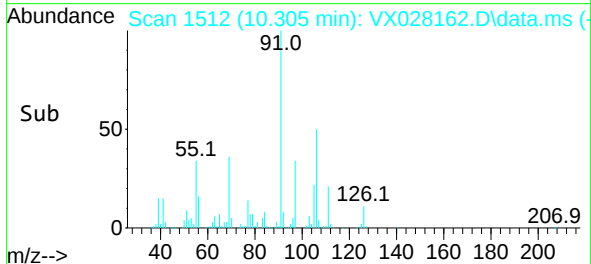
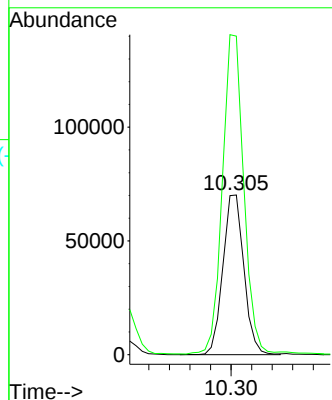
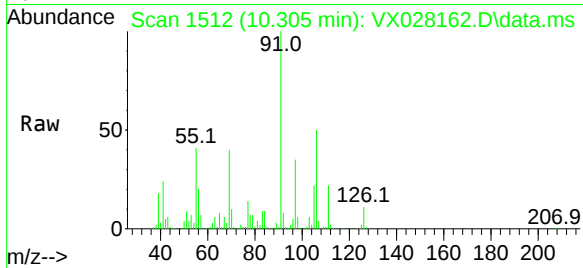




#68  
m/p-Xylenes  
Concen: 10.787 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.000 min  
Lab File: VX028162.D  
Acq: 19 Apr 2022 16:05

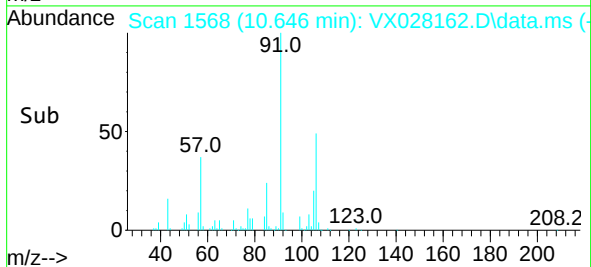
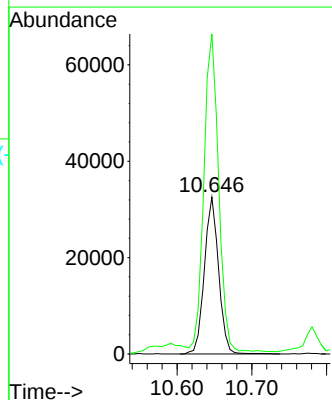
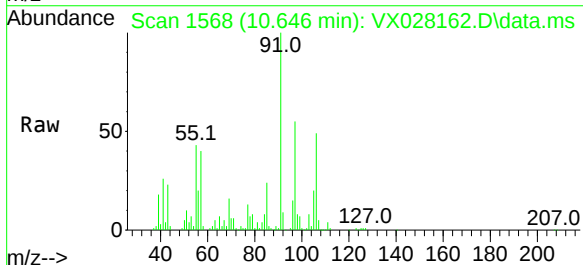
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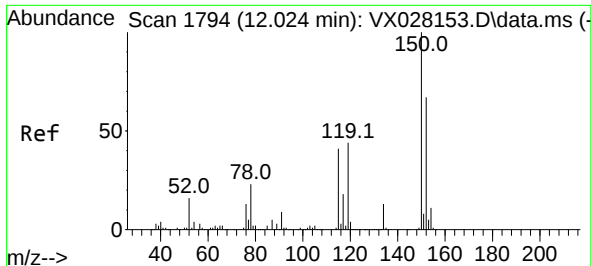
Tgt Ion:106 Resp: 99552  
Ion Ratio Lower Upper  
106 100  
91 205.0 160.4 240.6



#69  
o-Xylene  
Concen: 4.668 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VX028162.D  
Acq: 19 Apr 2022 16:05

Tgt Ion:106 Resp: 42956  
Ion Ratio Lower Upper  
106 100  
91 209.2 106.1 318.1

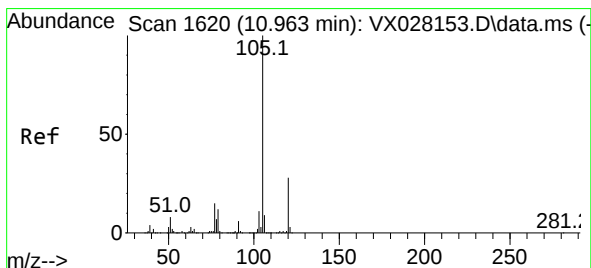
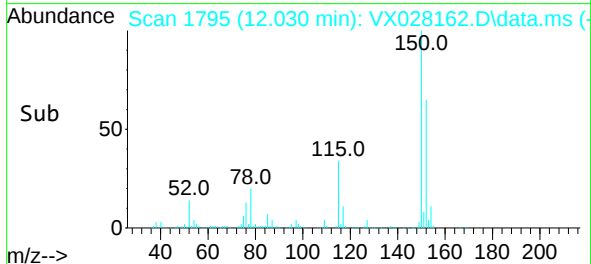
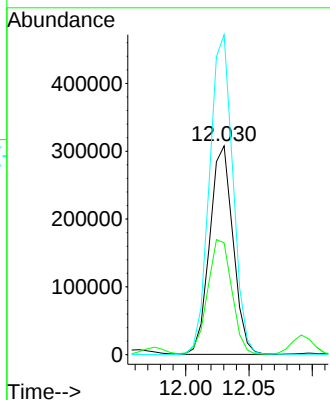
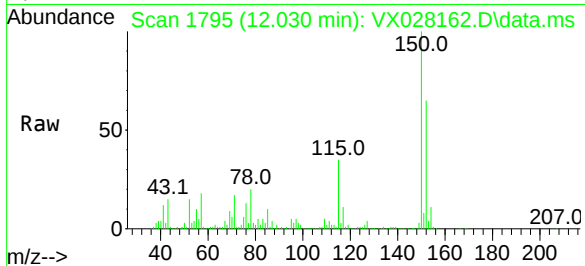




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.030 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX028162.D  
Acq: 19 Apr 2022 16:05

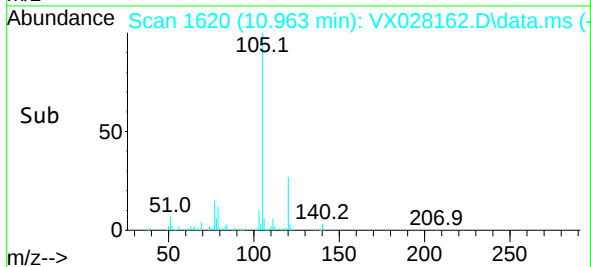
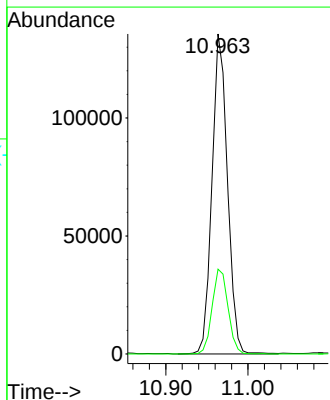
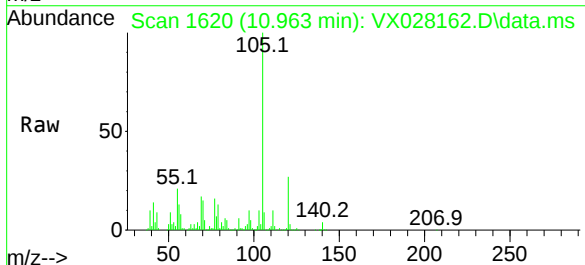
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-15-1-4-GRME

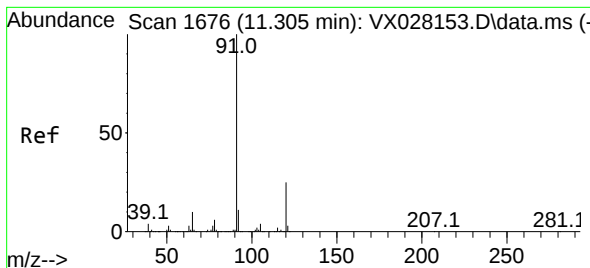
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Ion Ratio Lower Upper  
152 100  
115 57.0 37.5 112.7  
150 153.9 0.0 338.2



#73  
Isopropylbenzene  
Concen: 6.545 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX028162.D  
Acq: 19 Apr 2022 16:05

Tgt Ion:105 Resp: 177322  
Ion Ratio Lower Upper  
105 100  
120 27.2 13.5 40.5





#78

n-propylbenzene

Concen: 8.364 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX028162.D

Acq: 19 Apr 2022 16:05

Instrument :

MSVOA\_X

ClientSampleId :

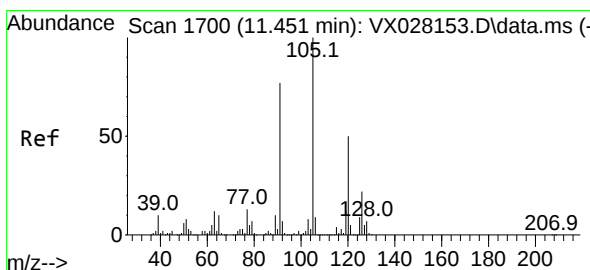
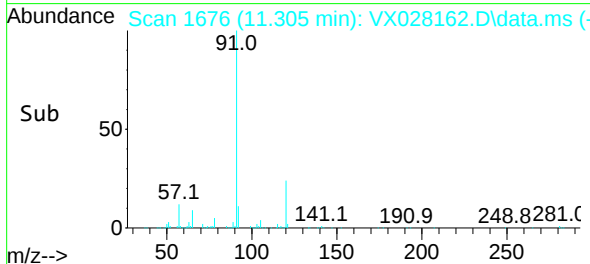
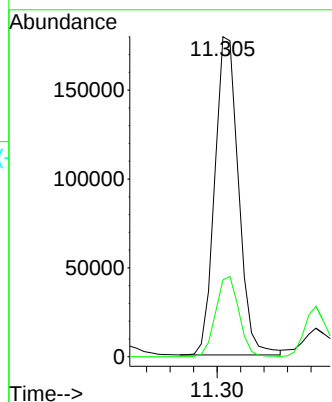
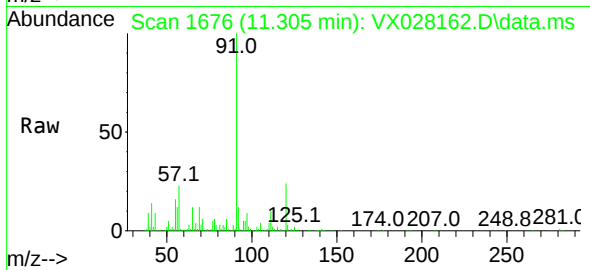
WC-15-1-4-GRME

Tgt Ion: 91 Resp: 251274

Ion Ratio Lower Upper

91 100

120 24.7 11.6 34.8



#80

1,3,5-Trimethylbenzene

Concen: 57.318 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX028162.D

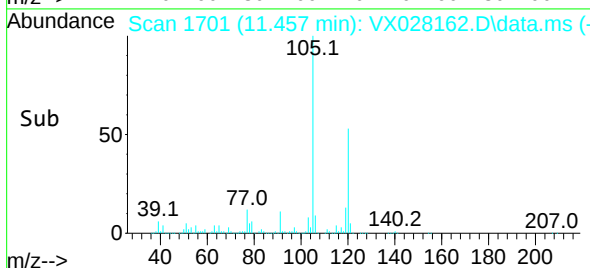
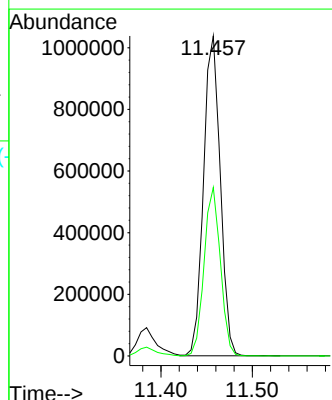
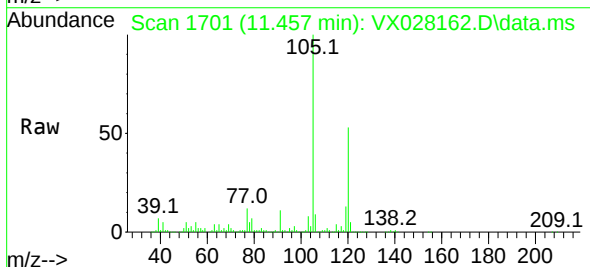
Acq: 19 Apr 2022 16:05

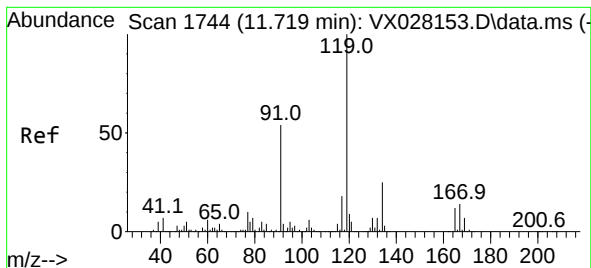
Tgt Ion: 105 Resp: 1318172

Ion Ratio Lower Upper

105 100

120 51.2 24.3 72.9





#83

tert-Butylbenzene

Concen: 3.157 ug/l

RT: 11.719 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028162.D

Acq: 19 Apr 2022 16:05

Instrument :

MSVOA\_X

ClientSampleId :

WC-15-1-4-GRME

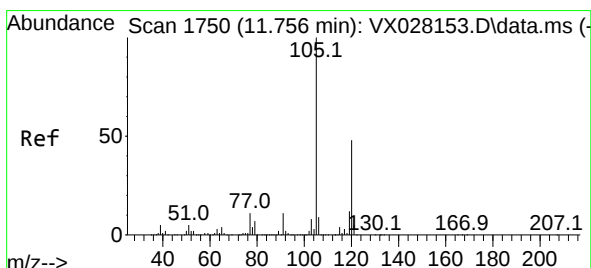
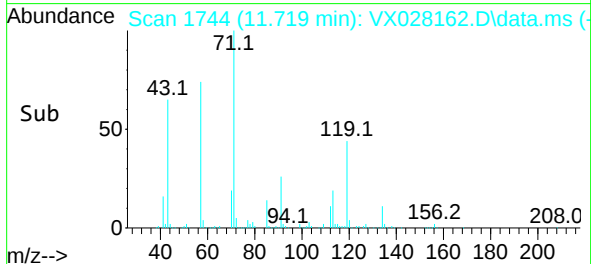
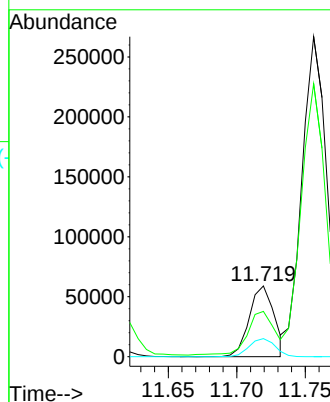
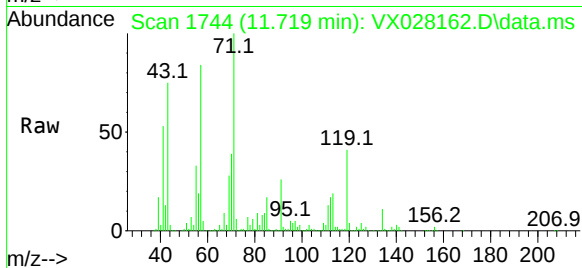
Tgt Ion:119 Resp: 74141

Ion Ratio Lower Upper

119 100

91 66.0 26.9 80.6

134 26.9 11.4 34.2



#84

1,2,4-Trimethylbenzene

Concen: 114.430 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VX028162.D

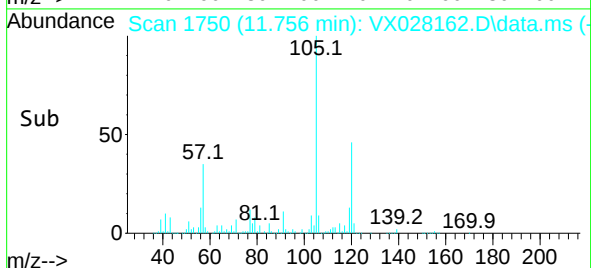
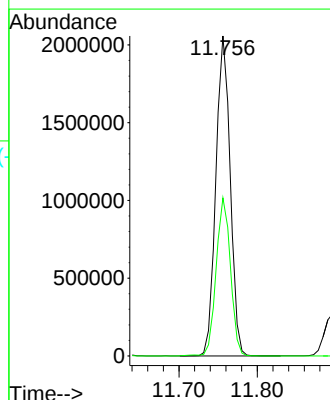
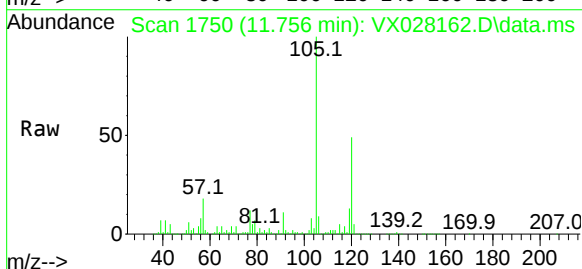
Acq: 19 Apr 2022 16:05

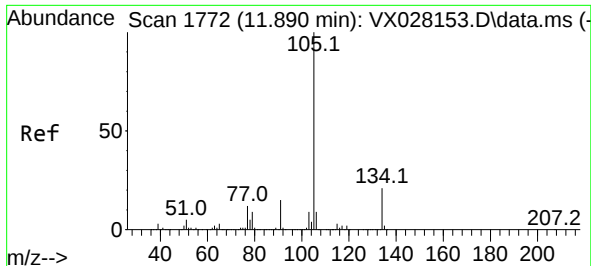
Tgt Ion:105 Resp: 2615931

Ion Ratio Lower Upper

105 100

120 49.3 22.6 67.8

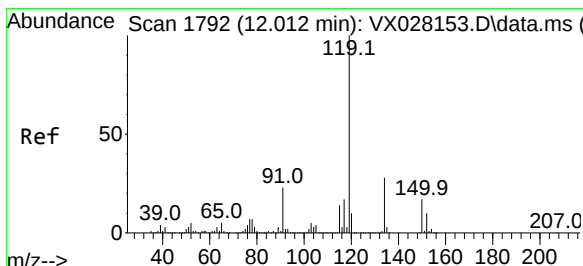
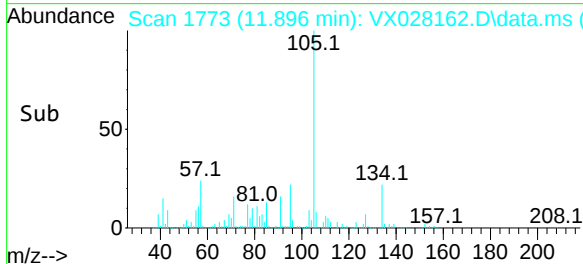
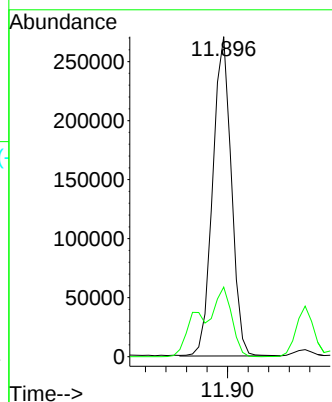
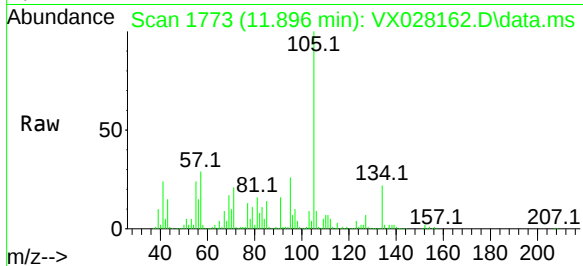




#85  
 sec-Butylbenzene  
 Concen: 12.002 ug/l  
 RT: 11.896 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX028162.D  
 Acq: 19 Apr 2022 16:05

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WC-15-1-4-GRME

Tgt Ion:105 Resp: 340019  
 Ion Ratio Lower Upper  
 105 100  
 134 21.7 10.2 30.4



#86  
 p-Isopropyltoluene  
 Concen: 4.177 ug/l  
 RT: 12.012 min Scan# 1792  
 Delta R.T. 0.000 min  
 Lab File: VX028162.D  
 Acq: 19 Apr 2022 16:05

Tgt Ion:119 Resp: 102101  
 Ion Ratio Lower Upper  
 119 100  
 134 27.9 13.0 39.0  
 91 23.7 11.3 33.9

