

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030422\  
 Data File : VY007742.D  
 Acq On : 04 Mar 2022 15:20  
 Operator : SY/MD  
 Sample : N1762-02  
 Misc : 7.45g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 282

Quant Time: Mar 05 04:24:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 01 09:08:03 2022  
 Response via : Initial Calibration

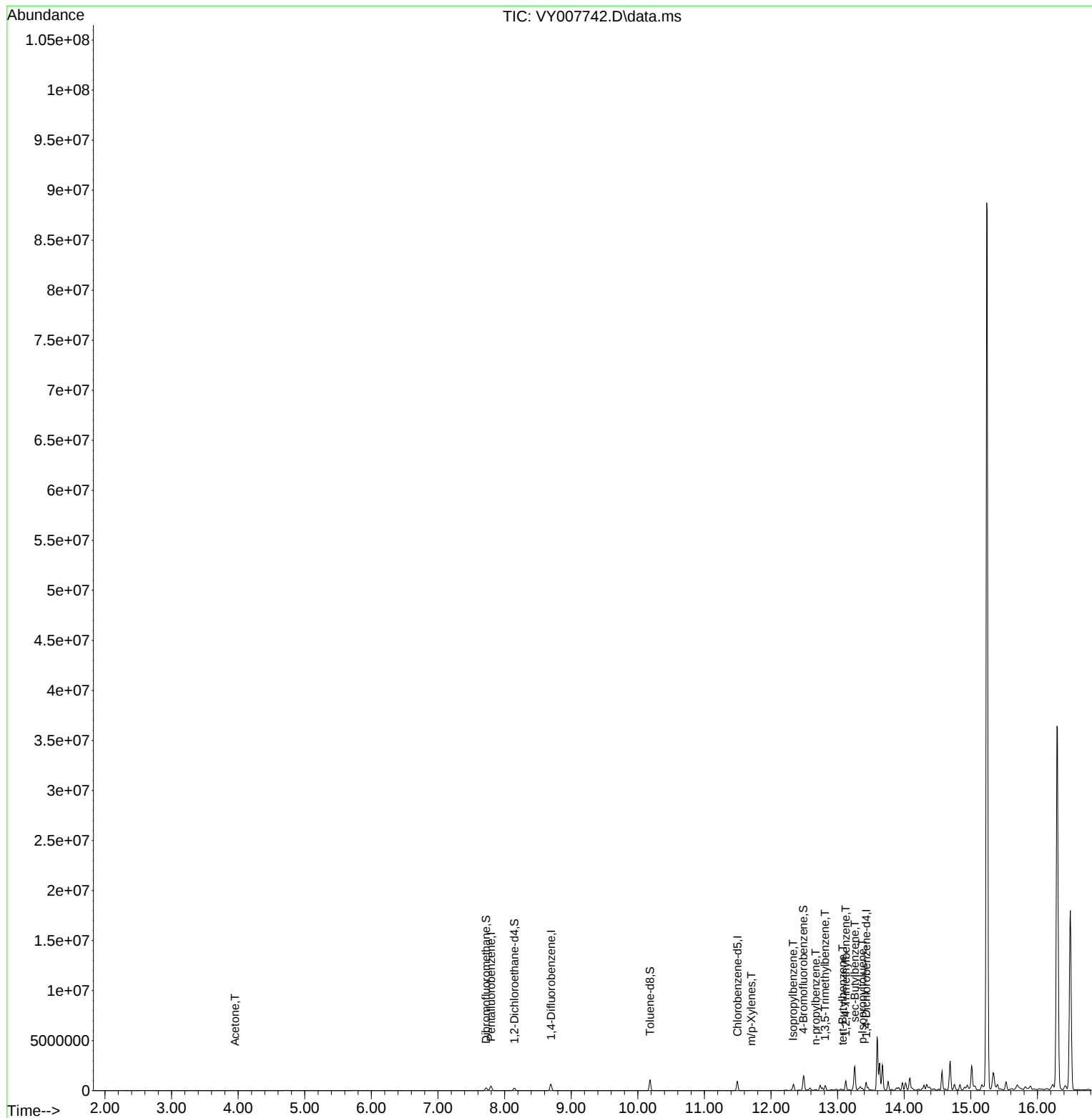
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.795     | 168   | 368163   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697     | 114   | 575092   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.495    | 117   | 509553   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428    | 152   | 201629   | 50.000   | ug/l       | 0.00     |
|                             |           |       |          |          |            |          |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.148     | 65    | 195286   | 50.667   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 101.340% |          |
| 35) Dibromofluoromethane    | 7.722     | 113   | 188329   | 51.222   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 102.440% |          |
| 50) Toluene-d8              | 10.185    | 98    | 693723   | 51.257   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 49 - 140 | Recovery | = 102.520% |          |
| 62) 4-Bromofluorobenzene    | 12.483    | 95    | 200815   | 46.030   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 25 - 144 | Recovery | = 92.060%  |          |
|                             |           |       |          |          |            |          |
| Target Compounds            |           |       |          |          |            | Qvalue   |
| 16) Acetone                 | 3.954     | 43    | 13656    | 17.417   | ug/l       | 93       |
| 68) m/p-Xylenes             | 11.703    | 106   | 8178     | 1.065    | ug/l       | 92       |
| 73) Isopropylbenzene        | 12.331    | 105   | 118833   | 7.565    | ug/l       | 96       |
| 78) n-propylbenzene         | 12.672    | 91    | 66201    | 3.493    | ug/l       | 95       |
| 80) 1,3,5-Trimethylbenzene  | 12.812    | 105   | 216091   | 17.204   | ug/l       | 96       |
| 83) tert-Butylbenzene       | 13.074    | 119   | 32600    | 2.822    | ug/l #     | 70       |
| 84) 1,2,4-Trimethylbenzene  | 13.123    | 105   | 486028   | 39.285   | ug/l       | 96       |
| 85) sec-Butylbenzene        | 13.257    | 105   | 1468331  | 85.916   | ug/l       | 94       |
| 86) p-Isopropyltoluene      | 13.373    | 119   | 115301   | 8.168    | ug/l       | 97       |
| -----                       |           |       |          |          |            |          |

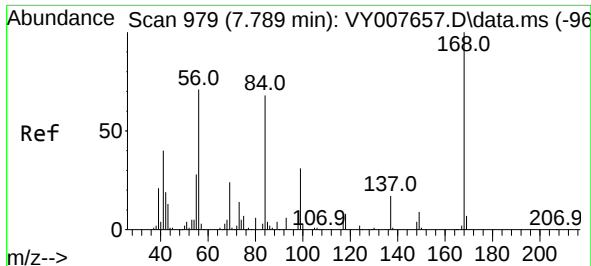
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Mar 01 09:08:03 2022  
Response via : Initial Calibration

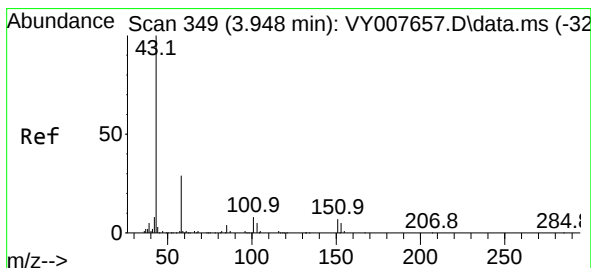
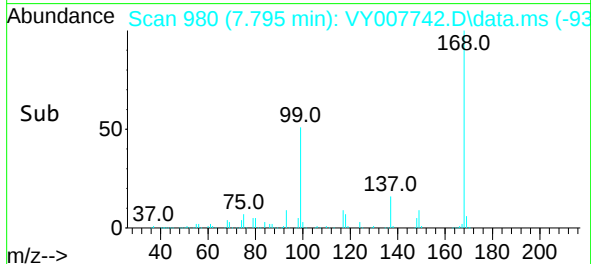
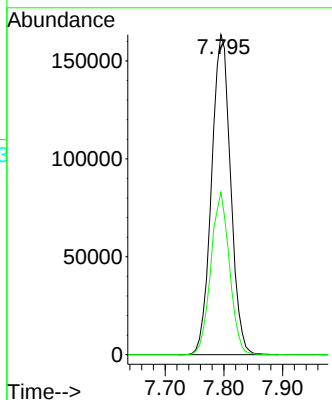
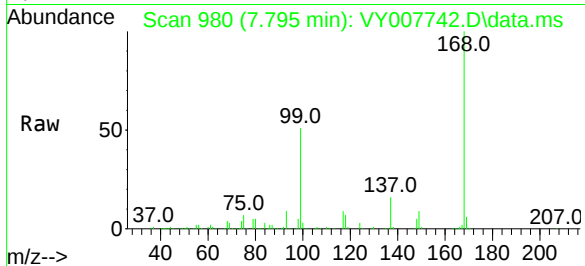




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007742.D  
Acq: 04 Mar 2022 15:20

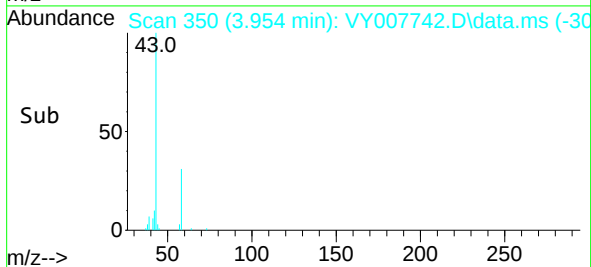
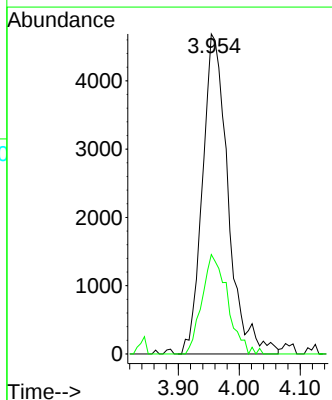
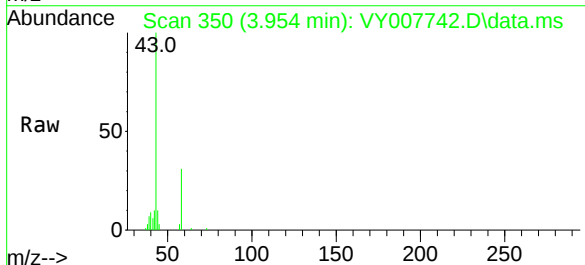
Instrument :  
MSVOA\_Y  
ClientSampleId :  
282

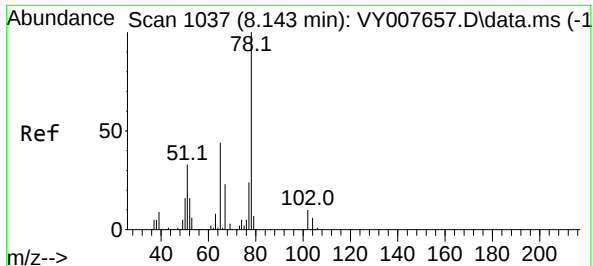
Tgt Ion:168 Resp: 368163  
Ion Ratio Lower Upper  
168 100  
99 50.8 46.9 70.3



#16  
Acetone  
Concen: 17.417 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY007742.D  
Acq: 04 Mar 2022 15:20

Tgt Ion: 43 Resp: 13656  
Ion Ratio Lower Upper  
43 100  
58 31.0 22.0 33.0





#33

1,2-Dichloroethane-d4

Concen: 50.667 ug/l

RT: 8.148 min Scan# 110

Delta R.T. 0.005 min

Lab File: VY007742.D

Acq: 04 Mar 2022 15:20

Instrument :

MSVOA\_Y

ClientSampleId :

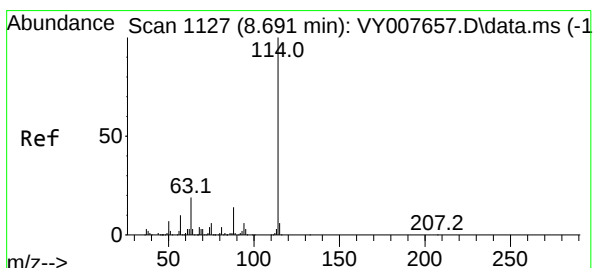
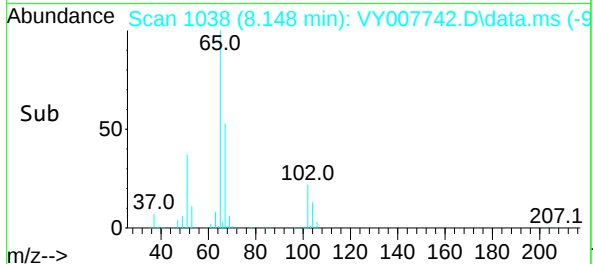
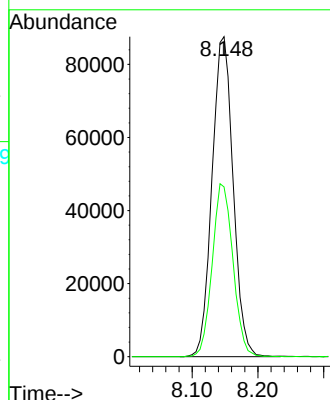
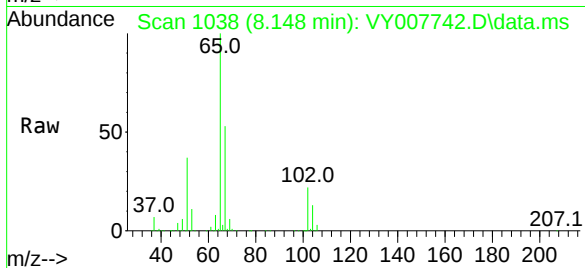
282

Tgt Ion: 65 Resp: 195286

Ion Ratio Lower Upper

65 100

67 53.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY007742.D

Acq: 04 Mar 2022 15:20

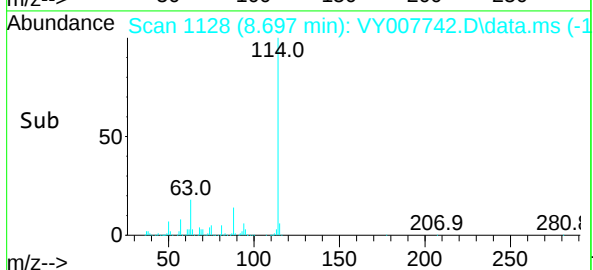
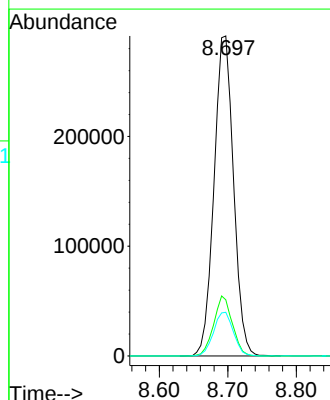
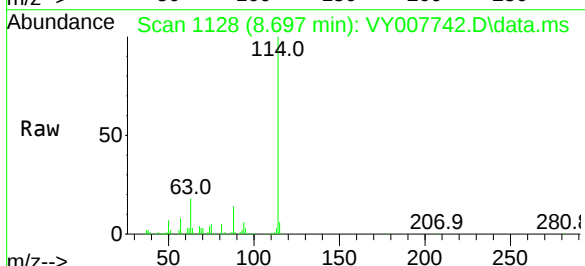
Tgt Ion:114 Resp: 575092

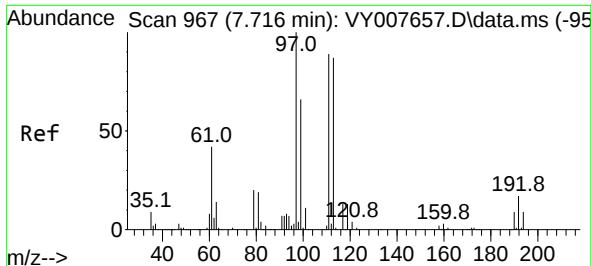
Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 13.6 0.0 31.8

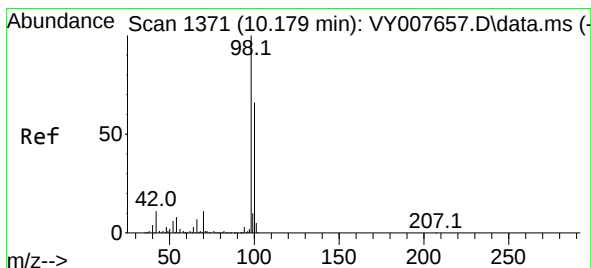
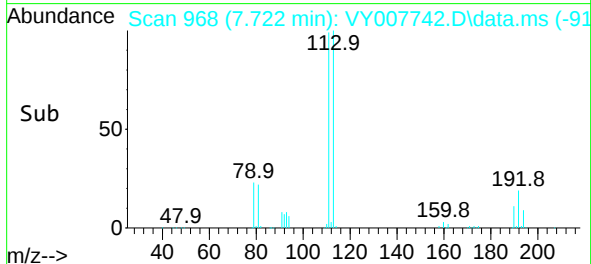
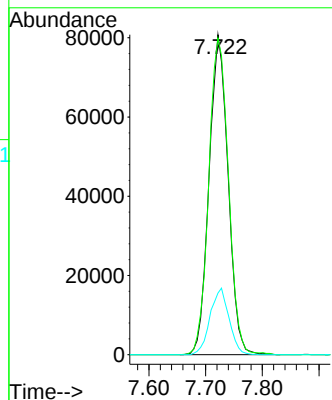
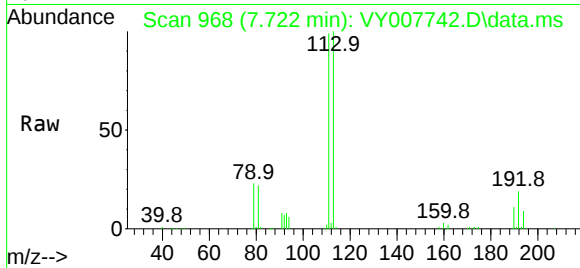




#35  
Dibromofluoromethane  
Concen: 51.222 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007742.D  
Acq: 04 Mar 2022 15:20

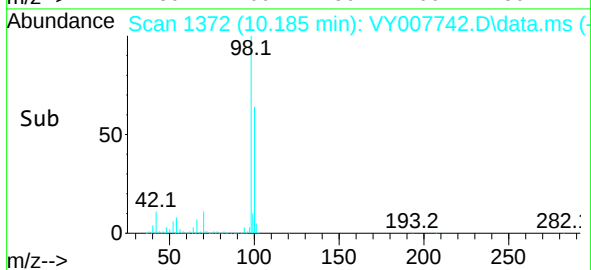
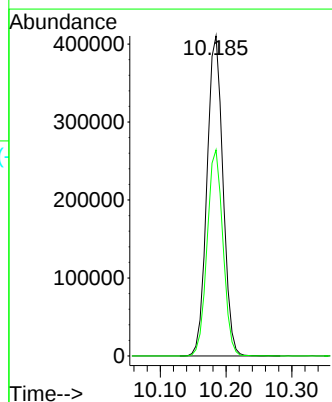
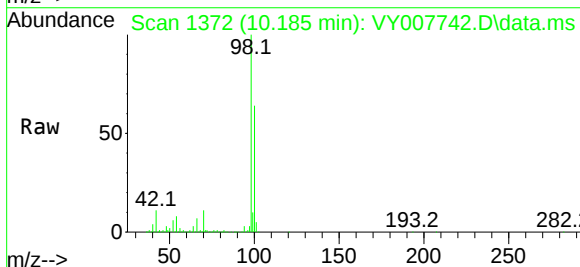
Instrument :  
MSVOA\_Y  
ClientSampleId :  
282

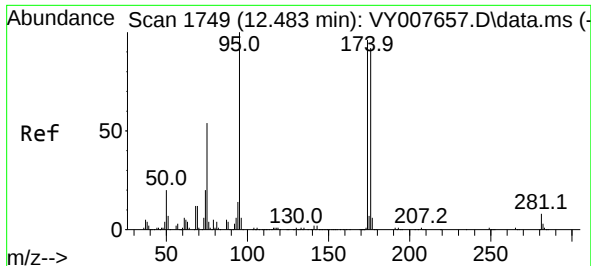
Tgt Ion:113 Resp: 188329  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.6 124.0  
192 20.7 17.6 26.4



#50  
Toluene-d8  
Concen: 51.257 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.006 min  
Lab File: VY007742.D  
Acq: 04 Mar 2022 15:20

Tgt Ion: 98 Resp: 693723  
Ion Ratio Lower Upper  
98 100  
100 63.7 50.2 75.2

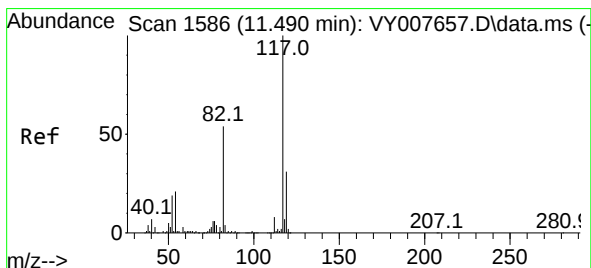
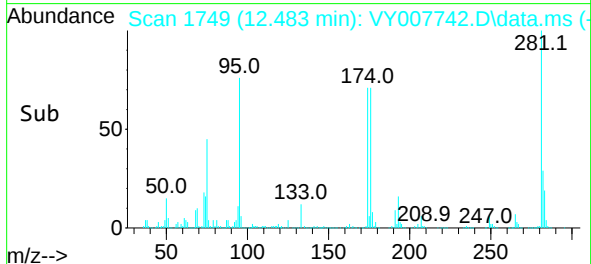
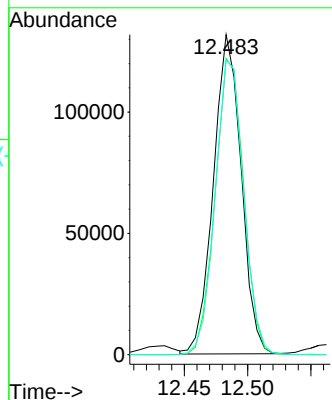
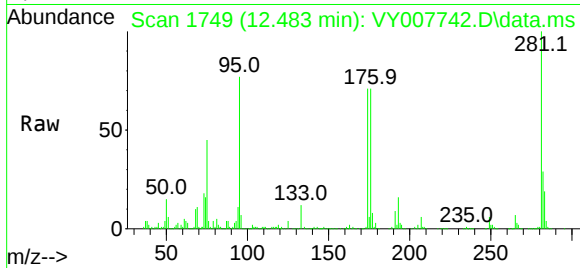




#62  
4-Bromofluorobenzene  
Concen: 46.030 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY007742.D  
Acq: 04 Mar 2022 15:20

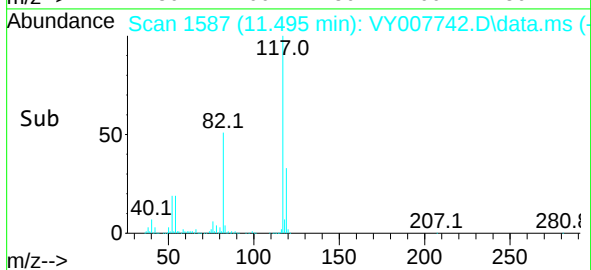
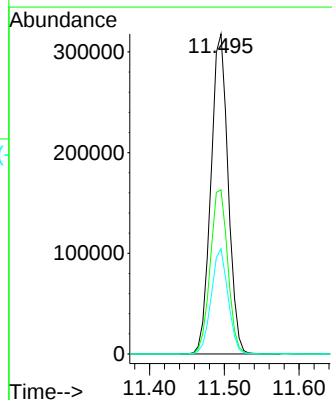
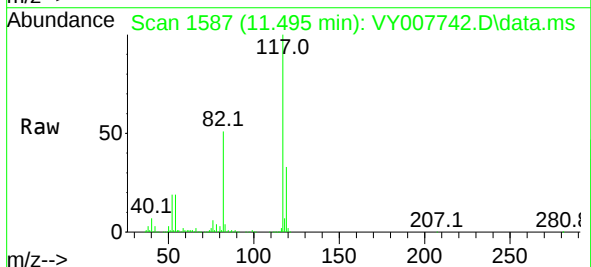
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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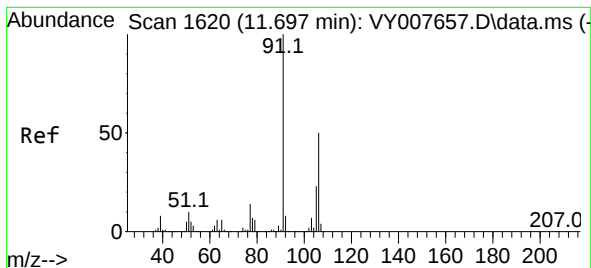
Tgt Ion: 95 Resp: 200815  
Ion Ratio Lower Upper  
95 100  
174 95.2 0.0 177.0  
176 94.6 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. 0.005 min  
Lab File: VY007742.D  
Acq: 04 Mar 2022 15:20

Tgt Ion: 117 Resp: 509553  
Ion Ratio Lower Upper  
117 100  
82 51.3 43.0 64.4  
119 32.9 25.4 38.0

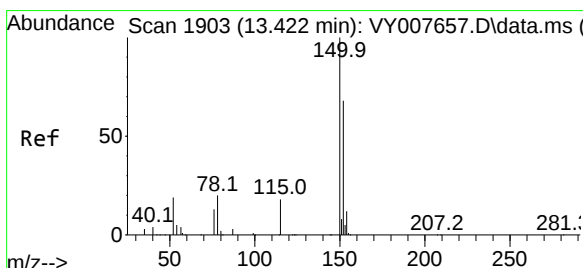
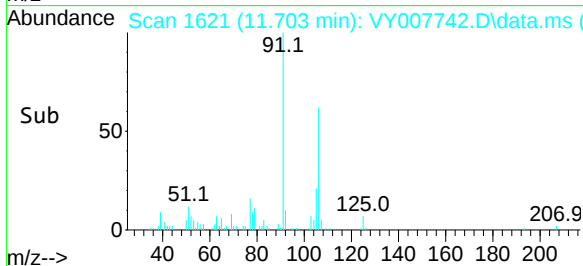
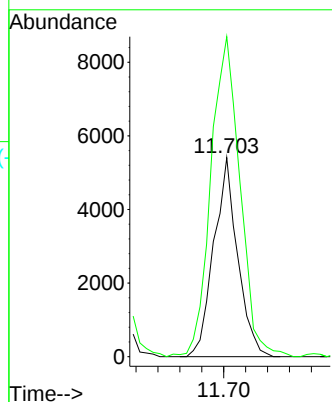
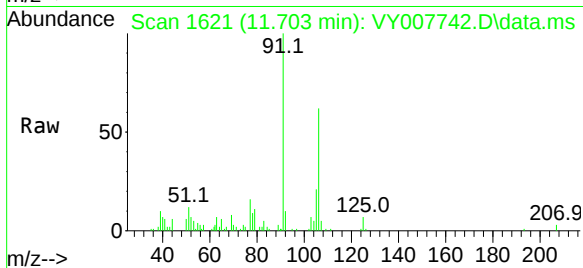




#68  
m/p-Xylenes  
Concen: 1.065 ug/l  
RT: 11.703 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VY007742.D  
Acq: 04 Mar 2022 15:20

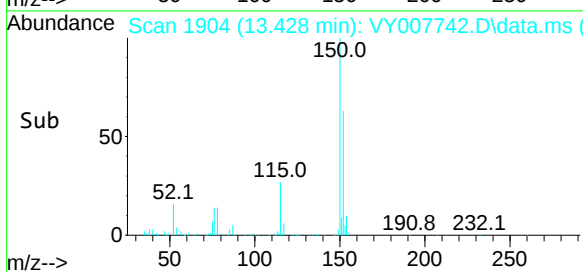
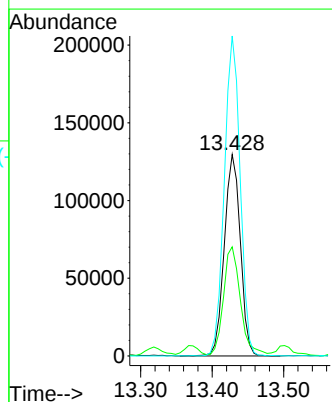
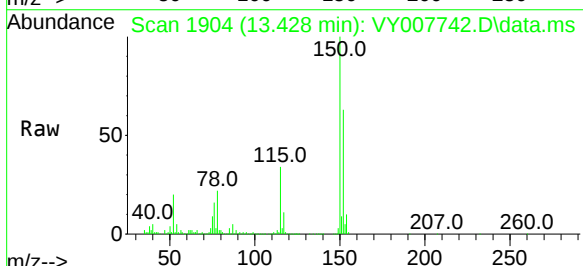
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ClientSampleId :  
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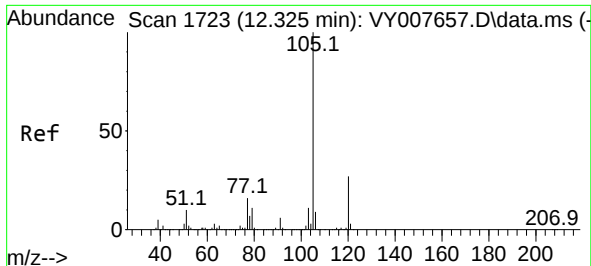
Tgt Ion:106 Resp: 8178  
Ion Ratio Lower Upper  
106 100  
91 195.9 166.6 249.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY007742.D  
Acq: 04 Mar 2022 15:20

Tgt Ion:152 Resp: 201629  
Ion Ratio Lower Upper  
152 100  
115 55.4 28.2 84.7  
150 156.7 0.0 347.6

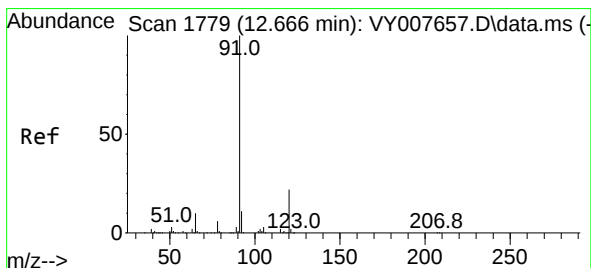
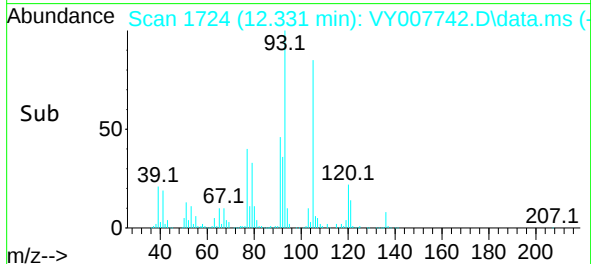
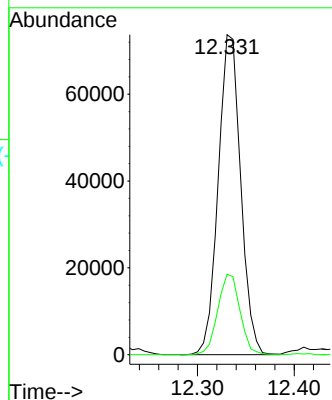
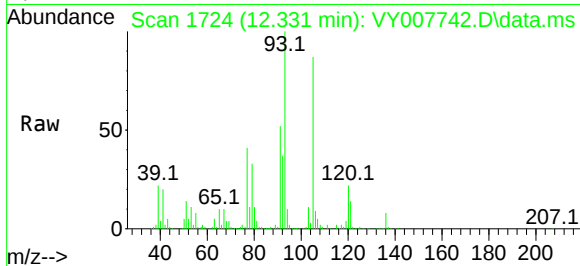




#73  
Isopropylbenzene  
Concen: 7.565 ug/l  
RT: 12.331 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY007742.D  
Acq: 04 Mar 2022 15:20

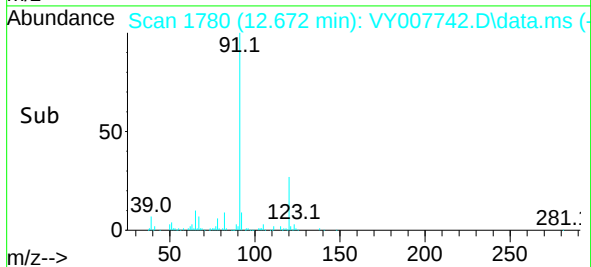
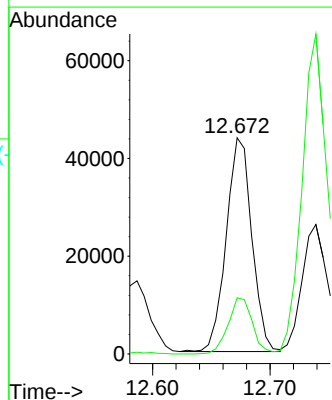
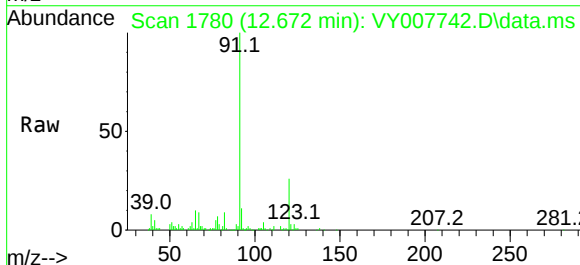
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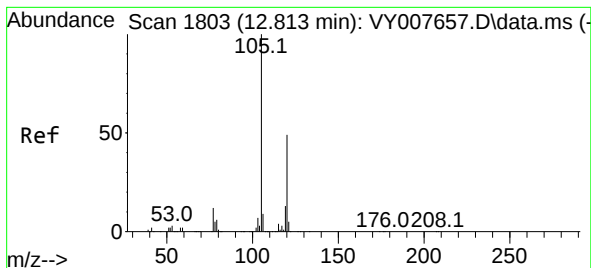
Tgt Ion:105 Resp: 118833  
Ion Ratio Lower Upper  
105 100  
120 24.9 13.4 40.2



#78  
n-propylbenzene  
Concen: 3.493 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. 0.006 min  
Lab File: VY007742.D  
Acq: 04 Mar 2022 15:20

Tgt Ion: 91 Resp: 66201  
Ion Ratio Lower Upper  
91 100  
120 24.9 11.3 33.9





#80

1,3,5-Trimethylbenzene

Concen: 17.204 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.001 min

Lab File: VY007742.D

Acq: 04 Mar 2022 15:20

Instrument :

MSVOA\_Y

ClientSampleId :

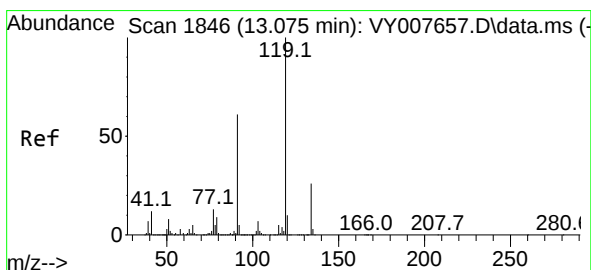
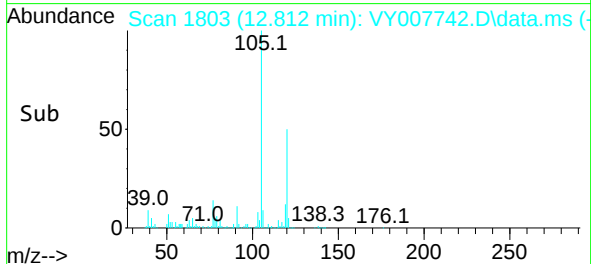
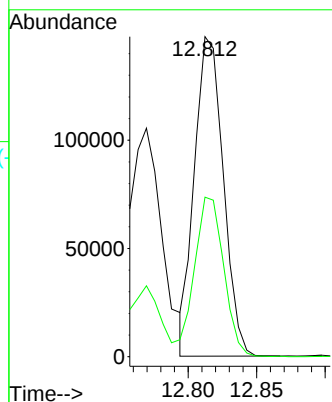
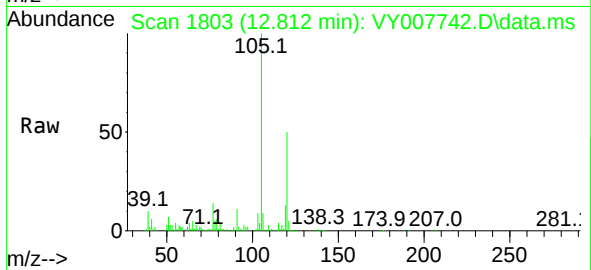
282

Tgt Ion:105 Resp: 216091

Ion Ratio Lower Upper

105 100

120 51.3 24.4 73.4



#83

tert-Butylbenzene

Concen: 2.822 ug/l

RT: 13.074 min Scan# 1846

Delta R.T. -0.001 min

Lab File: VY007742.D

Acq: 04 Mar 2022 15:20

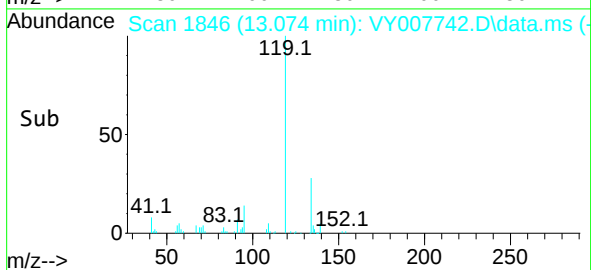
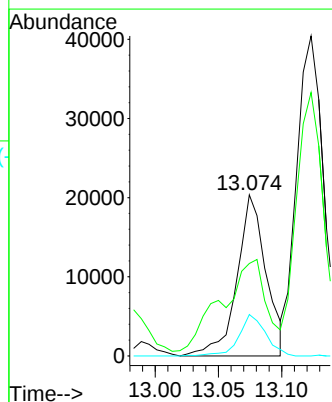
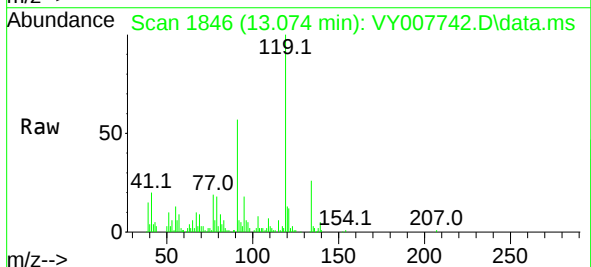
Tgt Ion:119 Resp: 32600

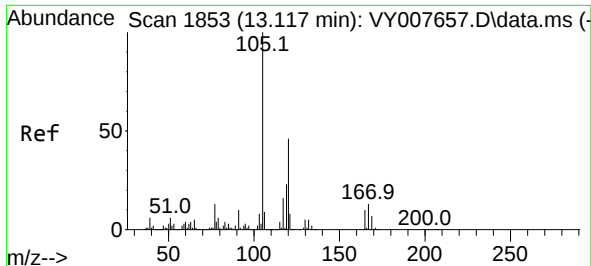
Ion Ratio Lower Upper

119 100

91 87.0 34.8 104.4

134 0.0 13.3 39.9#

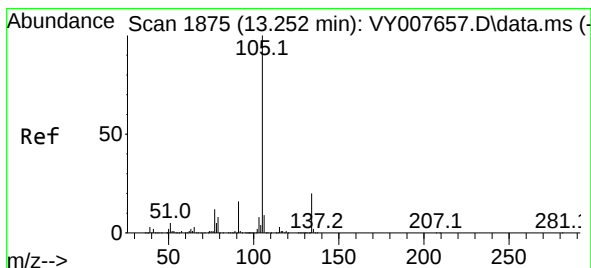
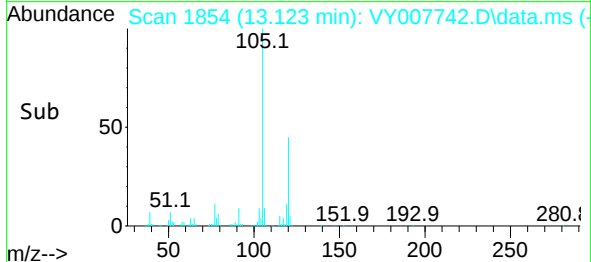
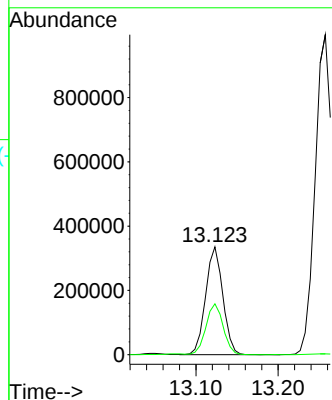
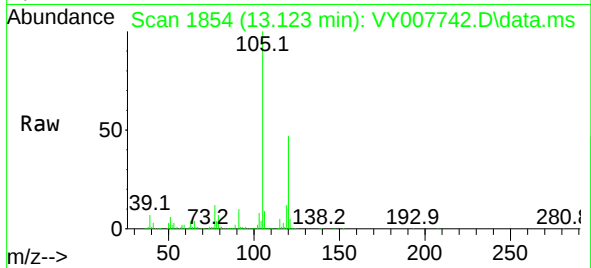




#84  
1,2,4-Trimethylbenzene  
Concen: 39.285 ug/l  
RT: 13.123 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VY007742.D  
Acq: 04 Mar 2022 15:20

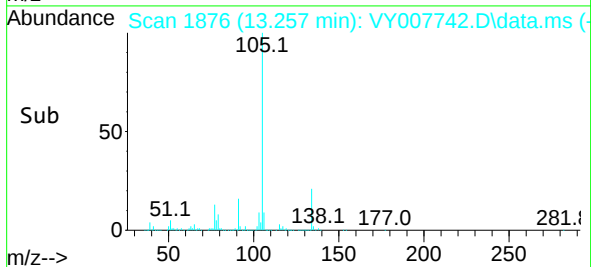
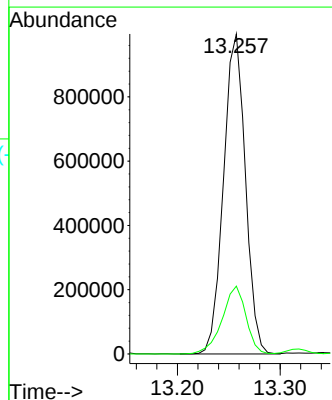
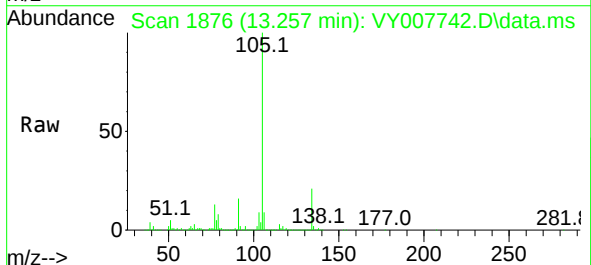
Instrument :  
MSVOA\_Y  
ClientSampleId :  
282

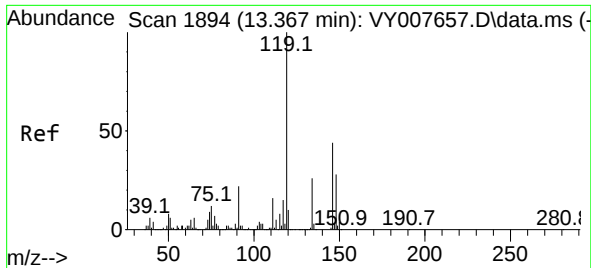
Tgt Ion:105 Resp: 486028  
Ion Ratio Lower Upper  
105 100  
120 47.4 22.3 66.9



#85  
sec-Butylbenzene  
Concen: 85.916 ug/l  
RT: 13.257 min Scan# 1876  
Delta R.T. 0.005 min  
Lab File: VY007742.D  
Acq: 04 Mar 2022 15:20

Tgt Ion:105 Resp: 1468331  
Ion Ratio Lower Upper  
105 100  
134 23.3 10.2 30.4





#86  
 p-Isopropyltoluene  
 Concen: 8.168 ug/l  
 RT: 13.373 min Scan# 1153  
 Delta R.T. 0.006 min  
 Lab File: VY007742.D  
 Acq: 04 Mar 2022 15:20

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 282

Tgt Ion:119 Resp: 115301  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 119 | 100   |       |       |
| 134 | 26.3  | 13.2  | 39.5  |
| 91  | 22.0  | 12.4  | 37.2  |

