

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022621\  
 Data File : VD068463.D  
 Acq On : 26 Feb 2021 18:21  
 Operator : VA/SY  
 Sample : M1503-01  
 Misc : 5.67G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SEDGWICK-AVE

Quant Time: Feb 26 21:49:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 26 14:04:14 2021  
 Response via : Initial Calibration

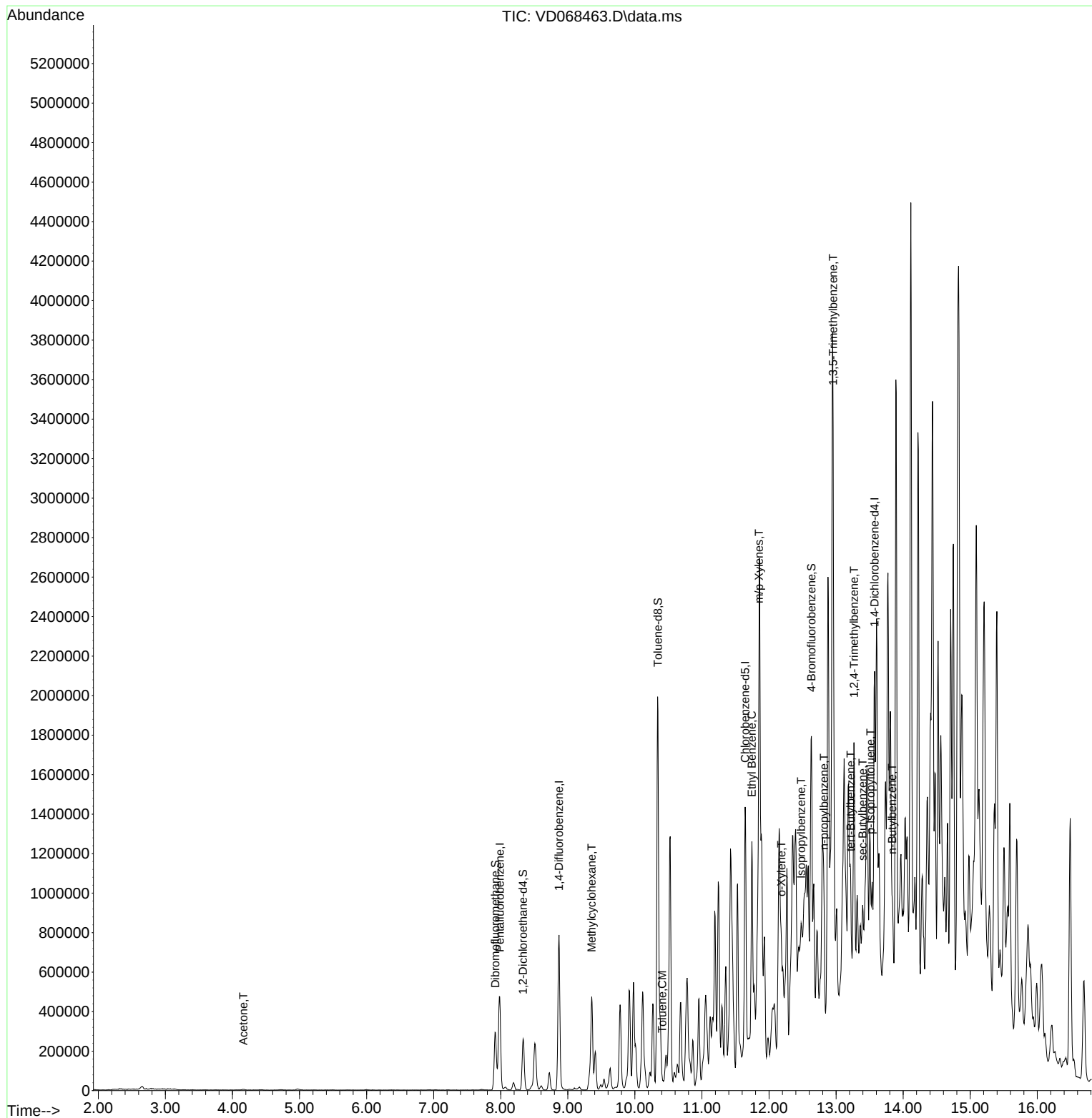
| Compound                    | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|-----------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                       |                |      |                    |       |        |          |
| Internal Standards          |                |      |                    |       |        |          |
| 1) Pentafluorobenzene       | 7.985          | 168  | 358815             | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867          | 114  | 695873             | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.644         | 117  | 677059             | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.573         | 152  | 344175             | 50.00 | ug/l   | 0.00     |
|                             |                |      |                    |       |        |          |
| System Monitoring Compounds |                |      |                    |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.332          | 65   | 206346             | 57.56 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = 115.12% |       |        |          |
| 35) Dibromofluoromethane    | 7.920          | 113  | 210668             | 50.26 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = 100.52% |       |        |          |
| 50) Toluene-d8              | 10.344         | 98   | 928657             | 55.62 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 49 - 140 |      | Recovery = 111.24% |       |        |          |
| 62) 4-Bromofluorobenzene    | 12.632         | 95   | 374936             | 69.68 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 25 - 144 |      | Recovery = 139.36% |       |        |          |
|                             |                |      |                    |       |        |          |
| Target Compounds            |                |      |                    |       | Qvalue |          |
| 16) Acetone                 | 4.162          | 43   | 6865               | 12.06 | ug/l   | 97       |
| 39) Methylcyclohexane       | 9.355          | 83   | 157235             | 19.27 | ug/l   | 95       |
| 52) Toluene                 | 10.408         | 92   | 12295              | 1.01  | ug/l   | 85       |
| 67) Ethyl Benzene           | 11.744         | 91   | 619364             | 25.17 | ug/l   | 98       |
| 68) m/p-Xylenes             | 11.849         | 106  | 178513             | 19.10 | ug/l   | 98       |
| 69) o-Xylene                | 12.185         | 106  | 86222              | 10.02 | ug/l   | 96       |
| 73) Isopropylbenzene        | 12.479         | 105  | 187127             | 7.33  | ug/l   | 98       |
| 78) n-propylbenzene         | 12.820         | 91   | 435321             | 14.27 | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene  | 12.955         | 105  | 434114             | 20.75 | ug/l   | 95       |
| 83) tert-Butylbenzene       | 13.220         | 119  | 26151              | 1.47  | ug/l # | 61       |
| 84) 1,2,4-Trimethylbenzene  | 13.267         | 105  | 680011             | 32.45 | ug/l   | 97       |
| 85) sec-Butylbenzene        | 13.396         | 105  | 107665             | 4.28  | ug/l # | 40       |
| 86) p-Isopropyltoluene      | 13.514         | 119  | 158842             | 6.95  | ug/l   | 95       |
| 89) n-Butylbenzene          | 13.838         | 91   | 193668             | 8.79  | ug/l # | 79       |
| -----                       |                |      |                    |       |        |          |

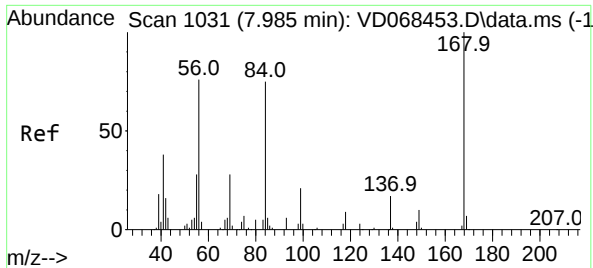
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 17 Sample Multiplier: 1

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Quant Title : SW846 8260  
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Response via : Initial Calibration

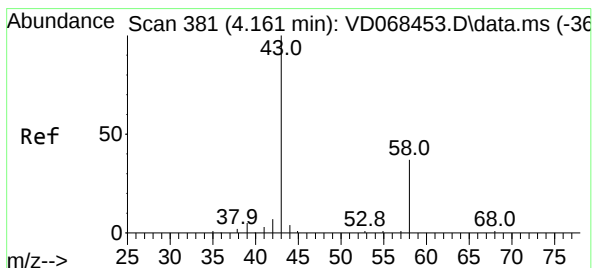
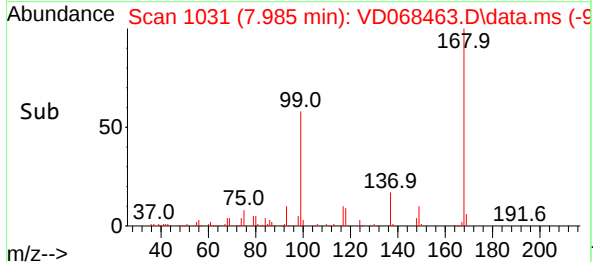
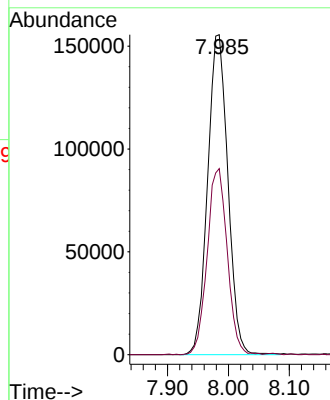
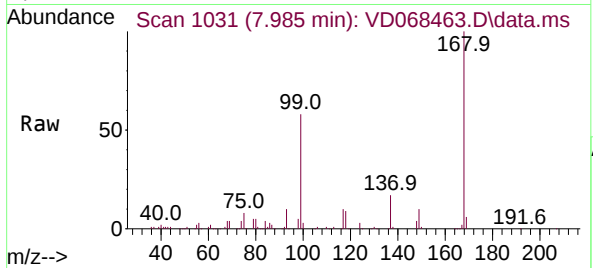




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

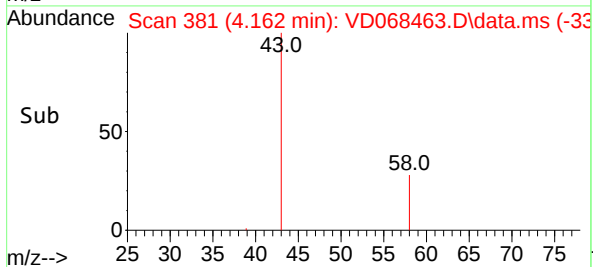
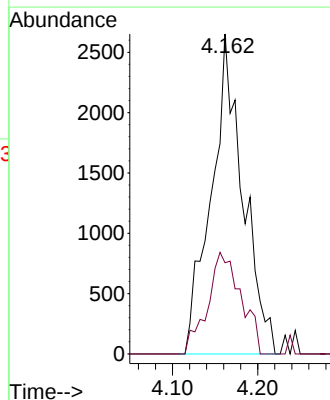
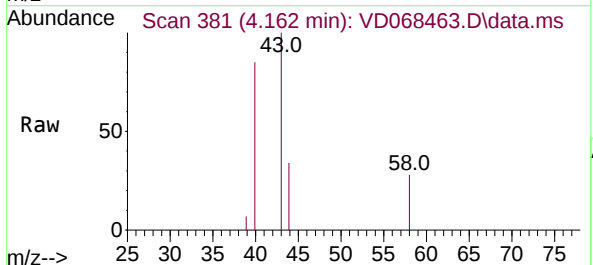
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MSVOA\_D  
ClientSampleId :  
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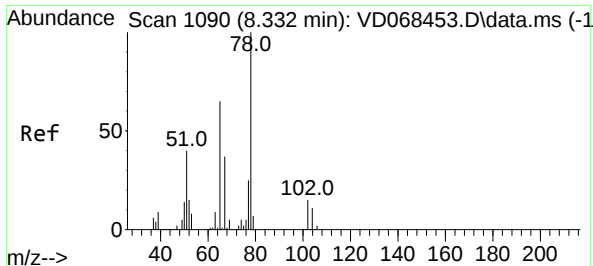
Tgt Ion:168 Resp: 358815  
Ion Ratio Lower Upper  
168 100  
99 58.2 43.5 65.3



#16  
Acetone  
Concen: 12.06 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

Tgt Ion: 43 Resp: 6865  
Ion Ratio Lower Upper  
43 100  
58 28.5 24.2 36.4

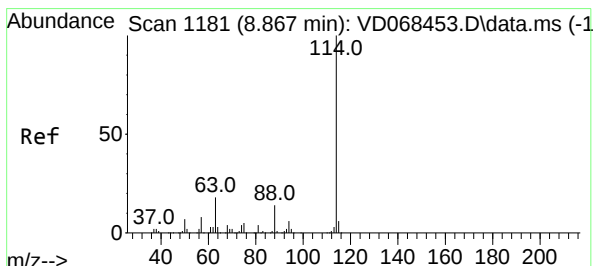
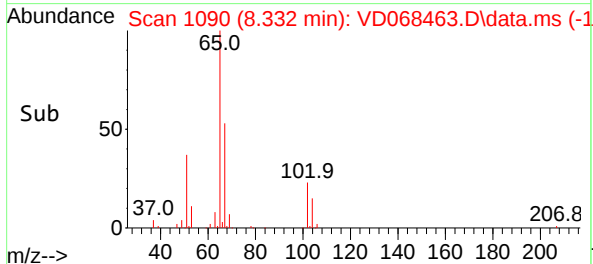
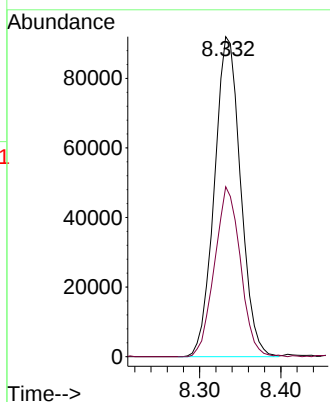
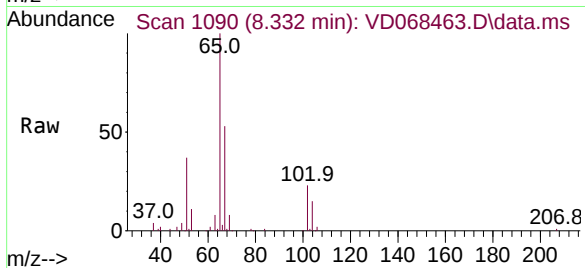




#33  
1,2-Dichloroethane-d4  
Concen: 57.56 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

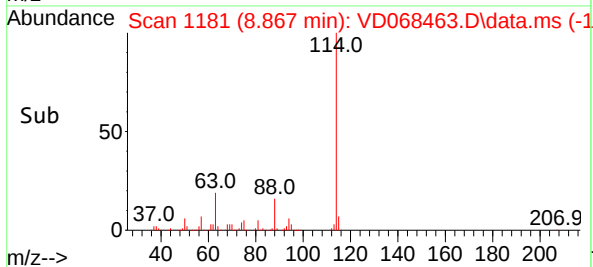
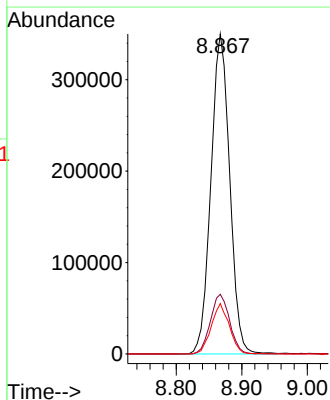
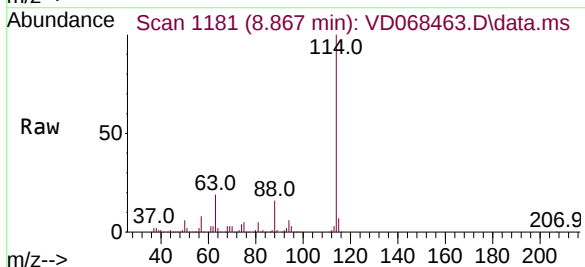
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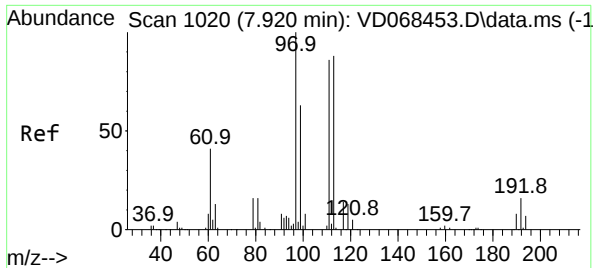
Tgt Ion: 65 Resp: 206346  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 105.0



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

Tgt Ion: 114 Resp: 695873  
Ion Ratio Lower Upper  
114 100  
63 18.6 0.0 34.8  
88 15.8 0.0 31.6

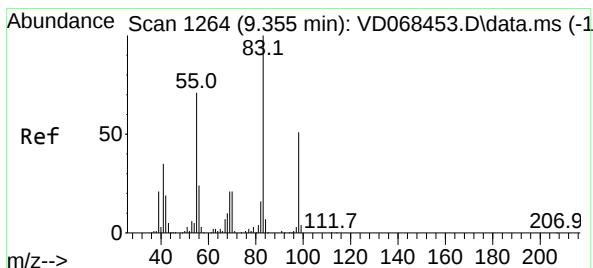
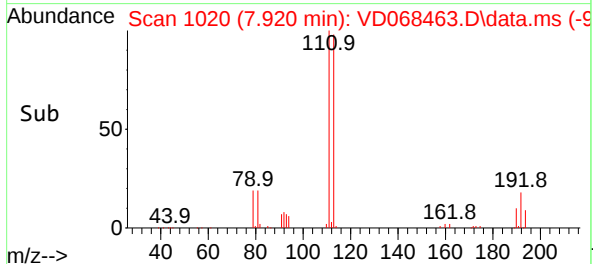
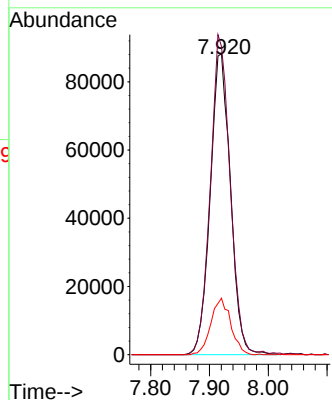
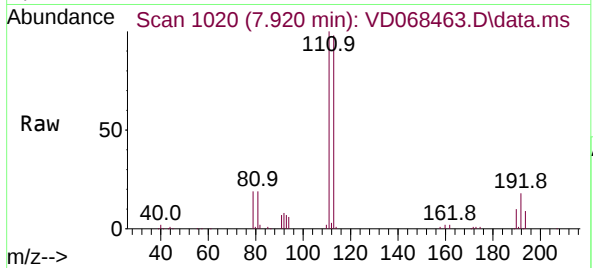




#35  
Dibromofluoromethane  
Concen: 50.26 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

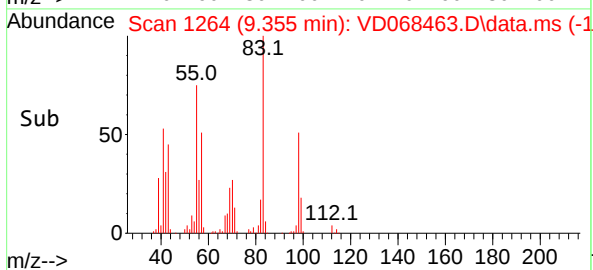
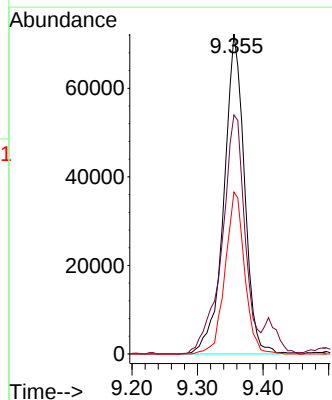
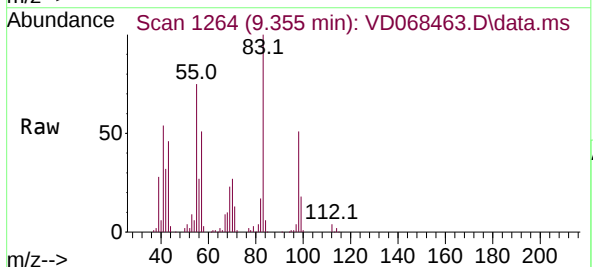
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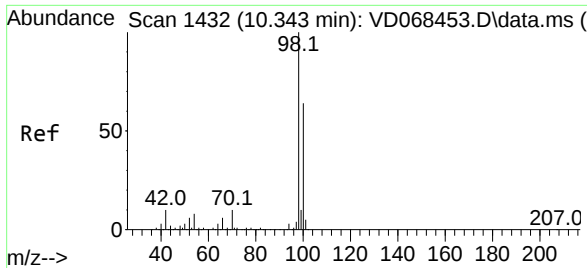
Tgt Ion:113 Resp: 210668  
Ion Ratio Lower Upper  
113 100  
111 103.9 81.4 122.0  
192 18.4 16.1 24.1



#39  
Methylcyclohexane  
Concen: 19.27 ug/l  
RT: 9.355 min Scan# 1264  
Delta R.T. 0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

Tgt Ion: 83 Resp: 157235  
Ion Ratio Lower Upper  
83 100  
55 74.7 55.2 82.8  
98 50.6 39.1 58.7

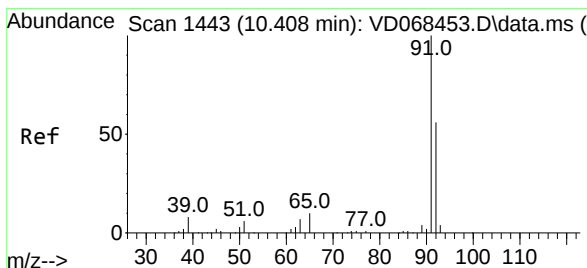
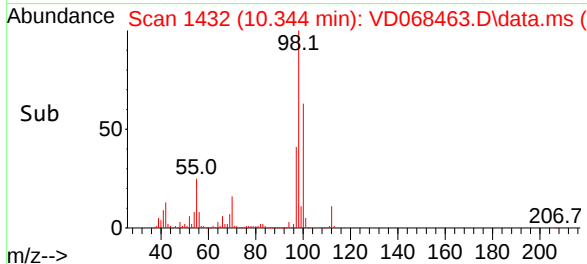
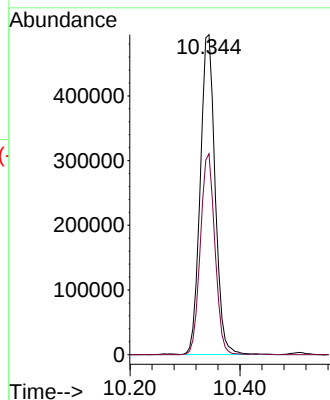
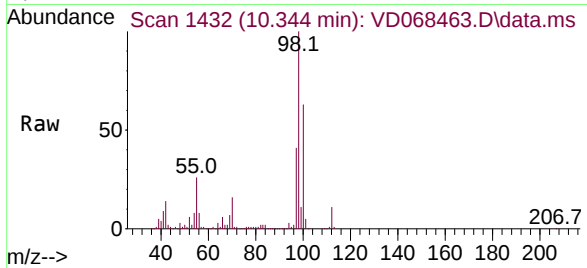




#50  
Toluene-d8  
Concen: 55.62 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

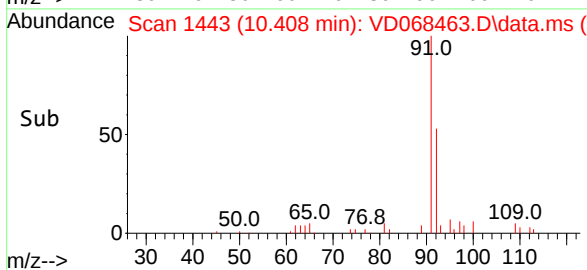
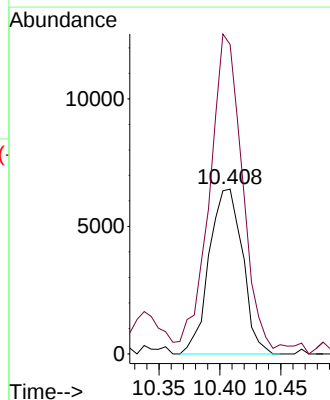
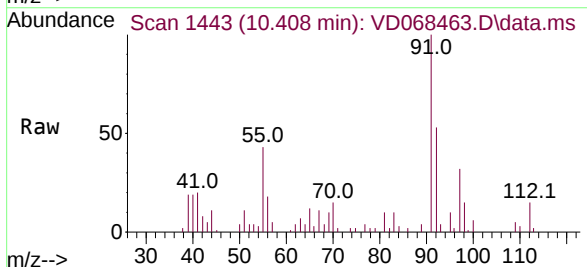
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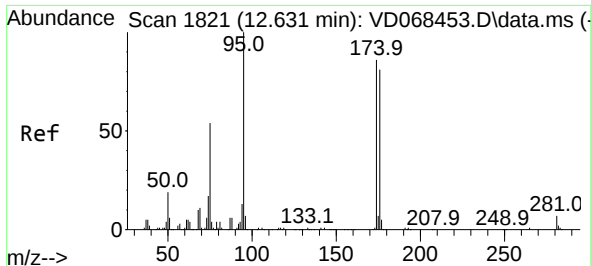
Tgt Ion: 98 Resp: 928657  
Ion Ratio Lower Upper  
98 100  
100 61.5 53.0 79.4



#52  
Toluene  
Concen: 1.01 ug/l  
RT: 10.408 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

Tgt Ion: 92 Resp: 12295  
Ion Ratio Lower Upper  
92 100  
91 188.5 134.1 201.1

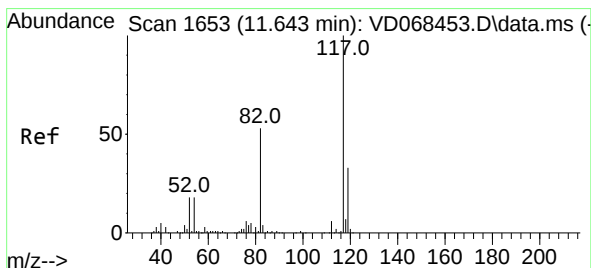
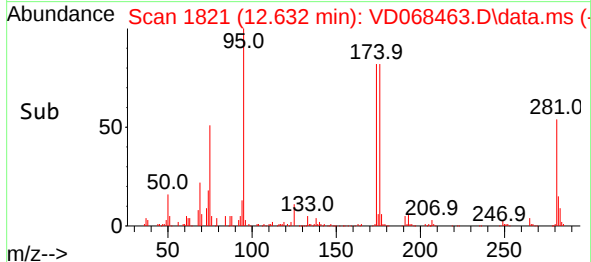
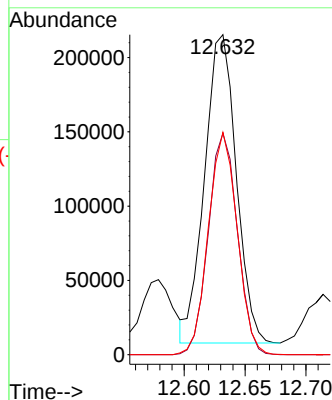
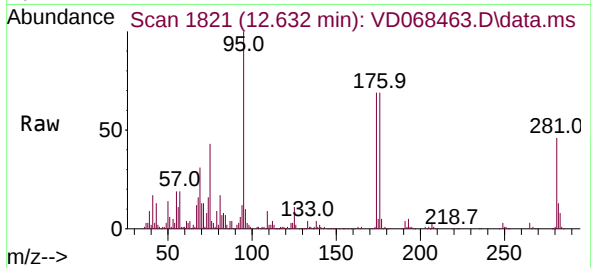




#62  
4-Bromofluorobenzene  
Concen: 69.68 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

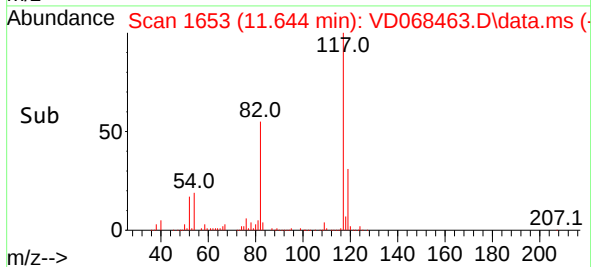
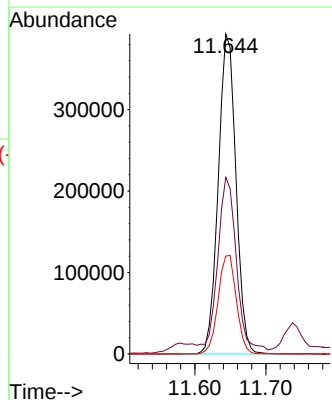
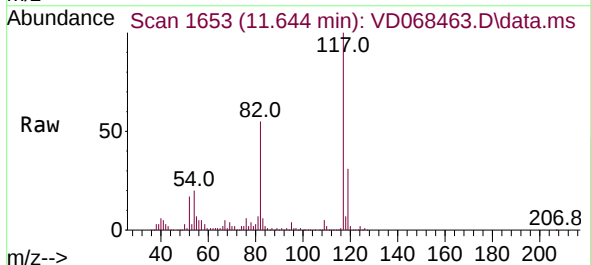
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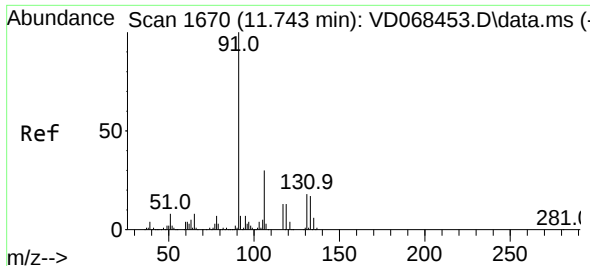
Tgt Ion: 95 Resp: 374936  
Ion Ratio Lower Upper  
95 100  
174 66.0 0.0 172.4  
176 65.8 0.0 168.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

Tgt Ion: 117 Resp: 677059  
Ion Ratio Lower Upper  
117 100  
82 51.8 41.4 62.0  
119 30.6 26.1 39.1

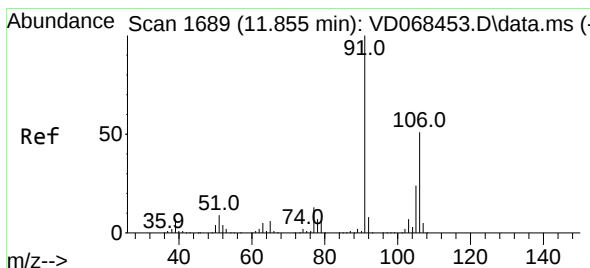
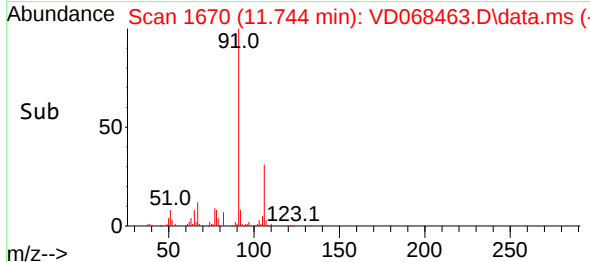
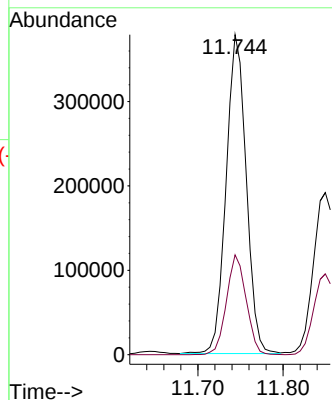
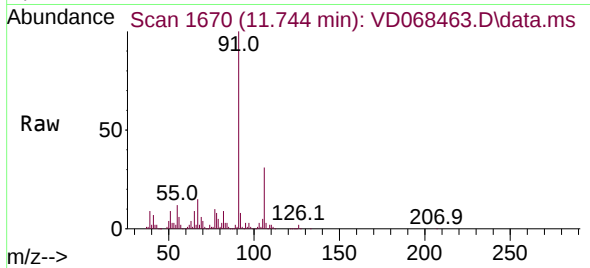




#67  
Ethyl Benzene  
Concen: 25.17 ug/l  
RT: 11.744 min Scan# 1670  
Delta R.T. 0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

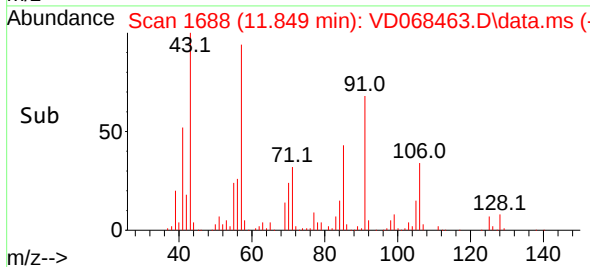
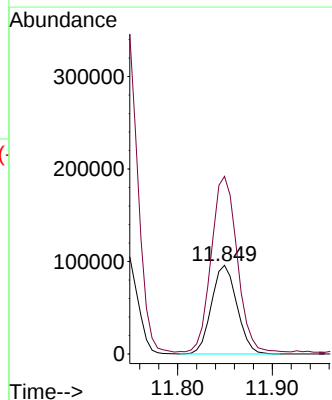
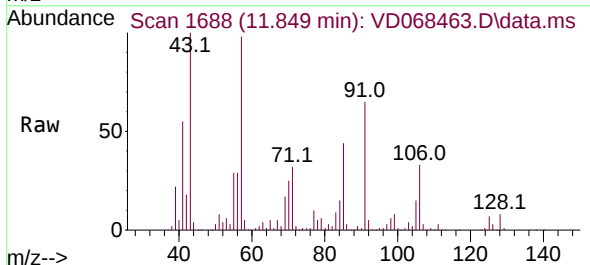
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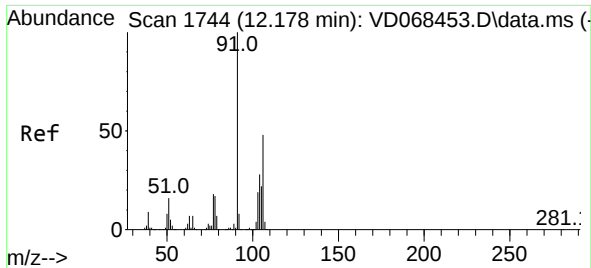
Tgt Ion: 91 Resp: 619364  
Ion Ratio Lower Upper  
91 100  
106 31.3 25.9 38.9



#68  
m/p-Xylenes  
Concen: 19.10 ug/l  
RT: 11.849 min Scan# 1688  
Delta R.T. -0.005 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

Tgt Ion: 106 Resp: 178513  
Ion Ratio Lower Upper  
106 100  
91 201.4 159.1 238.7

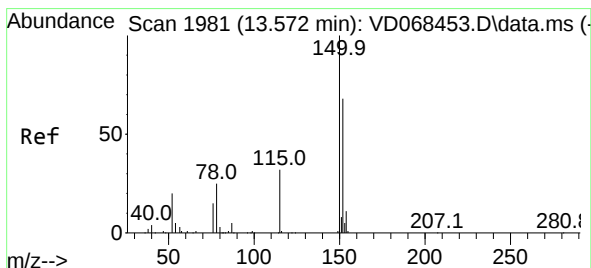
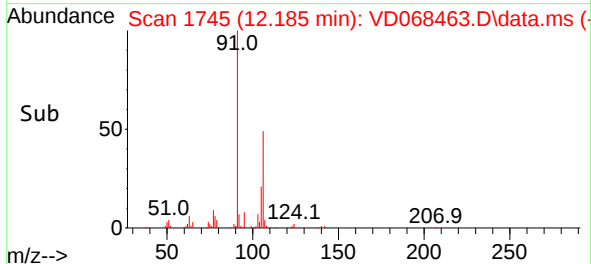
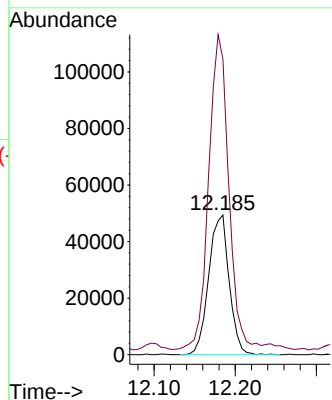
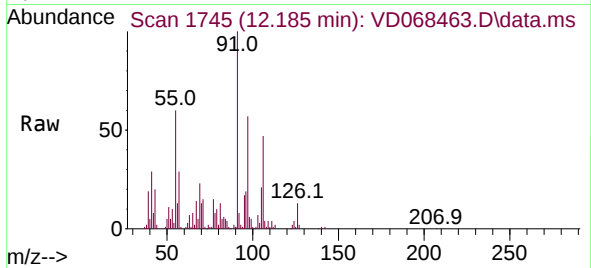




#69  
o-Xylene  
Concen: 10.02 ug/l  
RT: 12.185 min Scan# 1745  
Delta R.T. 0.006 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

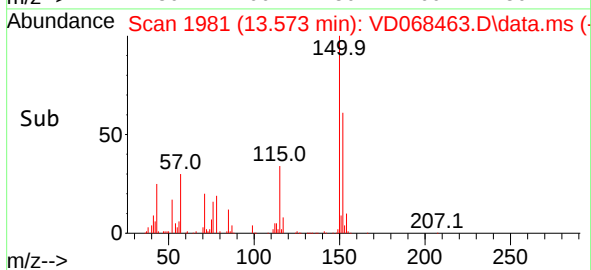
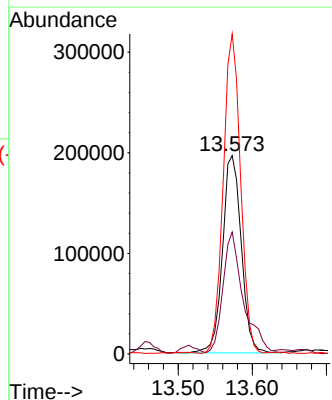
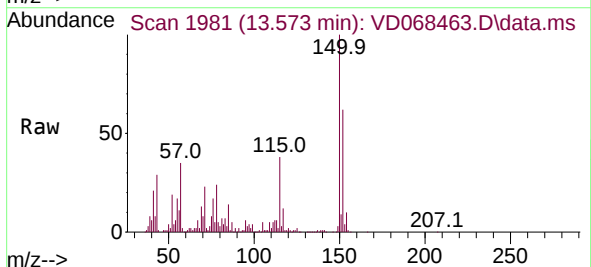
Instrument :  
MSVOA\_D  
ClientSampleId :  
SEDGWICK-AVE

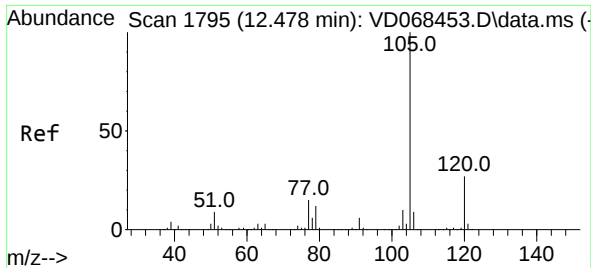
Tgt Ion:106 Resp: 86222  
Ion Ratio Lower Upper  
106 100  
91 223.3 108.7 325.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.001 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

Tgt Ion:152 Resp: 344175  
Ion Ratio Lower Upper  
152 100  
115 66.1 28.9 86.8  
150 149.7 0.0 344.4

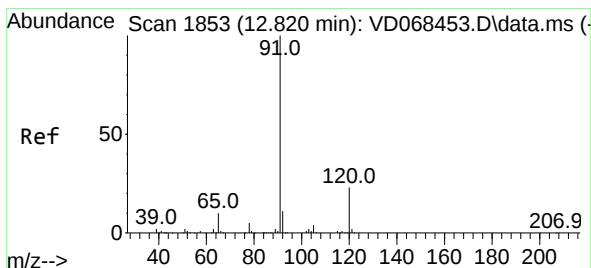
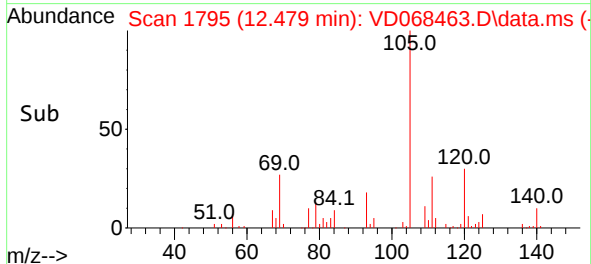
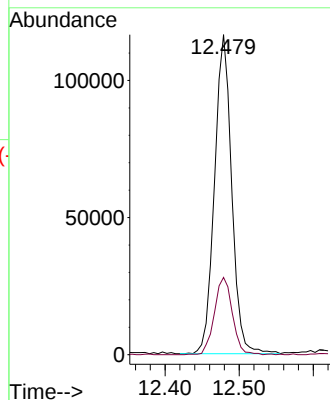
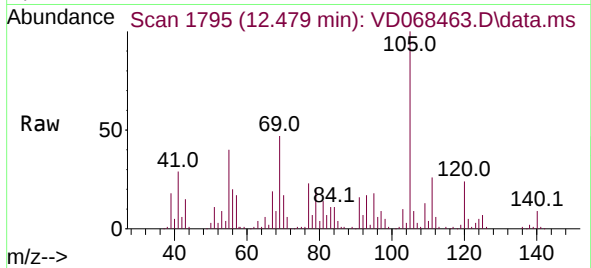




#73  
Isopropylbenzene  
Concen: 7.33 ug/l  
RT: 12.479 min Scan# 1795  
Delta R.T. 0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

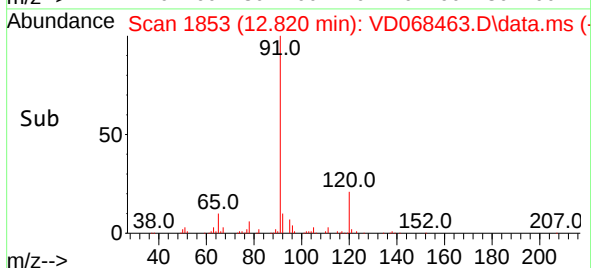
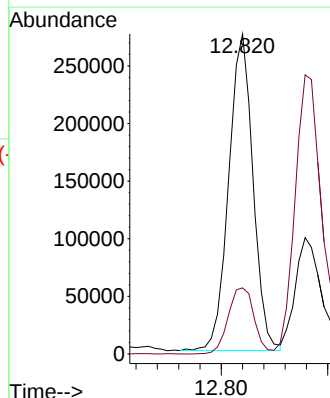
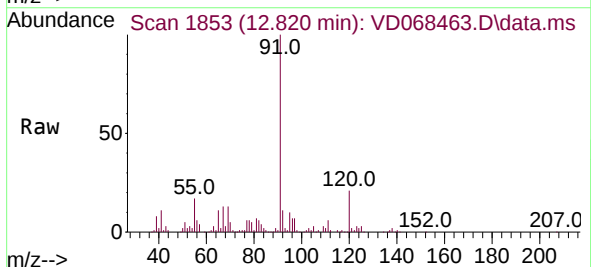
Instrument :  
MSVOA\_D  
ClientSampleId :  
SEDGWICK-AVE

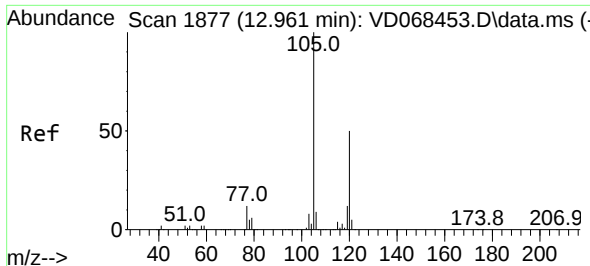
Tgt Ion:105 Resp: 187127  
Ion Ratio Lower Upper  
105 100  
120 25.4 13.2 39.6



#78  
n-propylbenzene  
Concen: 14.27 ug/l  
RT: 12.820 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

Tgt Ion: 91 Resp: 435321  
Ion Ratio Lower Upper  
91 100  
120 22.4 12.0 36.0

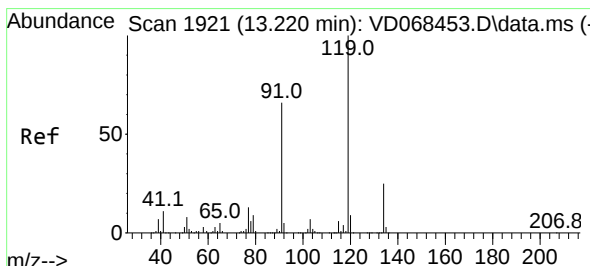
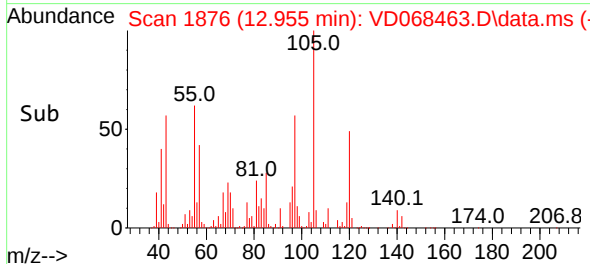
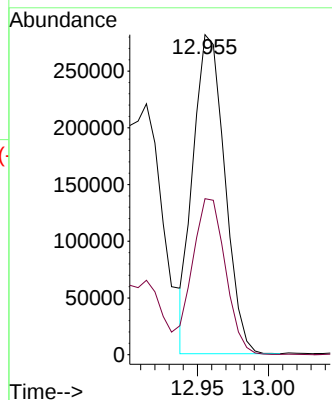
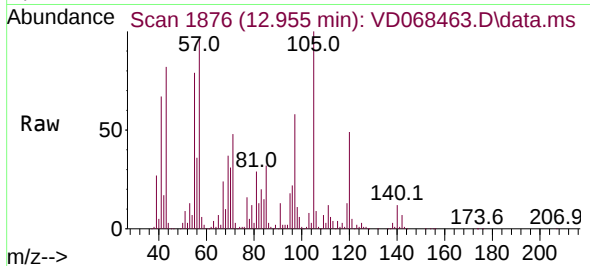




#80  
1,3,5-Trimethylbenzene  
Concen: 20.75 ug/l  
RT: 12.955 min Scan# 1876  
Delta R.T. -0.006 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

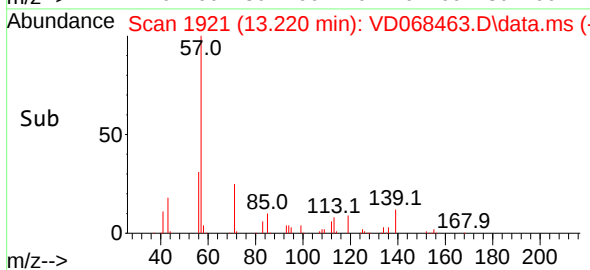
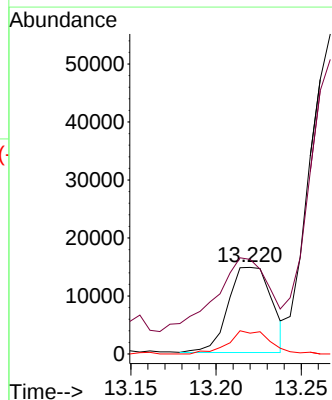
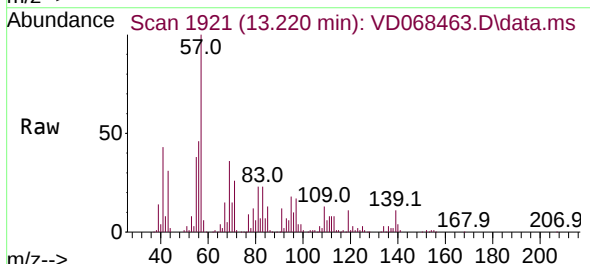
Instrument :  
MSVOA\_D  
ClientSampleId :  
SEDGWICK-AVE

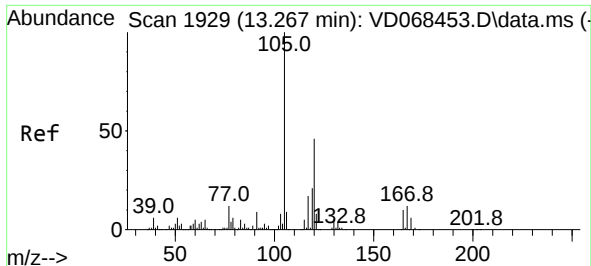
Tgt Ion:105 Resp: 434114  
Ion Ratio Lower Upper  
105 100  
120 51.9 24.2 72.6



#83  
tert-Butylbenzene  
Concen: 1.47 ug/l  
RT: 13.220 min Scan# 1921  
Delta R.T. 0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

Tgt Ion:119 Resp: 26151  
Ion Ratio Lower Upper  
119 100  
91 104.7 31.1 93.5#  
134 26.3 13.3 39.8

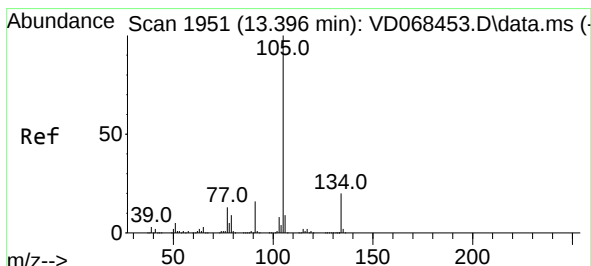
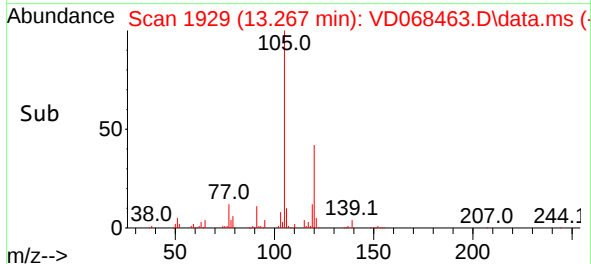
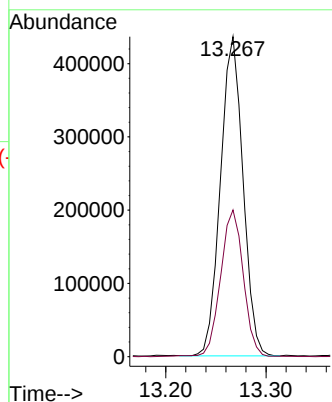
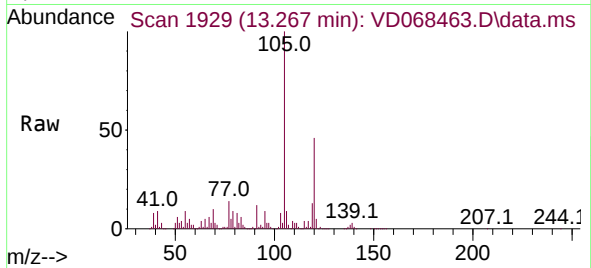




#84  
1,2,4-Trimethylbenzene  
Concen: 32.45 ug/l  
RT: 13.267 min Scan# 1929  
Delta R.T. 0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

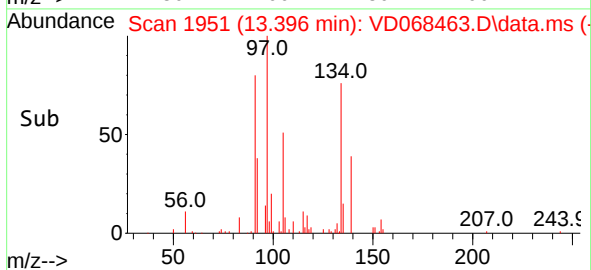
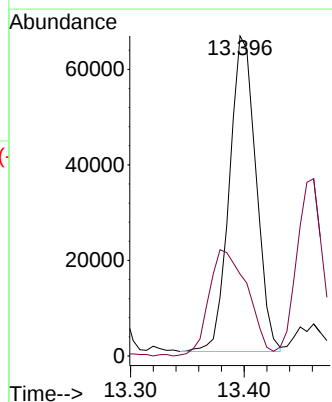
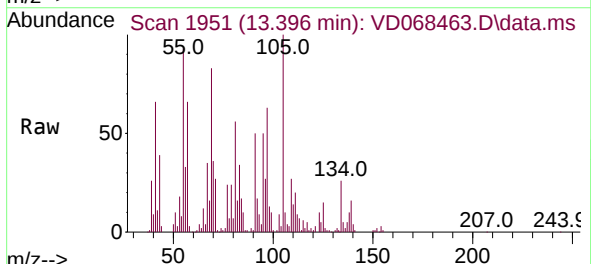
Instrument :  
MSVOA\_D  
ClientSampleId :  
SEDGWICK-AVE

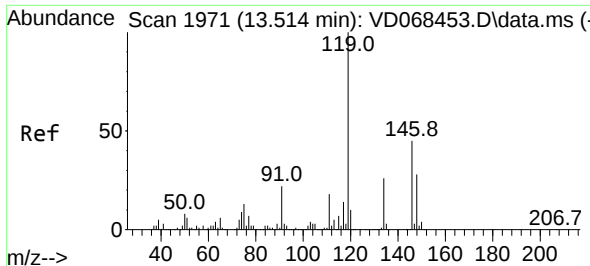
Tgt Ion:105 Resp: 680011  
Ion Ratio Lower Upper  
105 100  
120 46.6 22.4 67.0



#85  
sec-Butylbenzene  
Concen: 4.28 ug/l  
RT: 13.396 min Scan# 1951  
Delta R.T. 0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

Tgt Ion:105 Resp: 107665  
Ion Ratio Lower Upper  
105 100  
134 48.7 10.3 30.9#

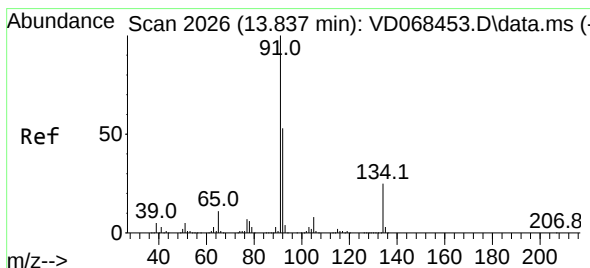
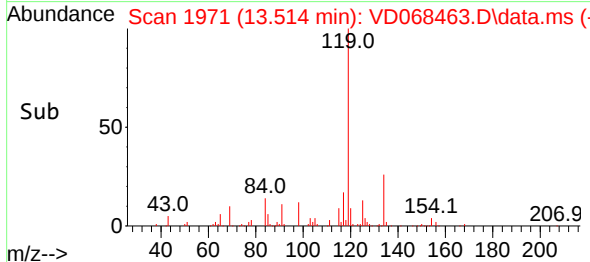
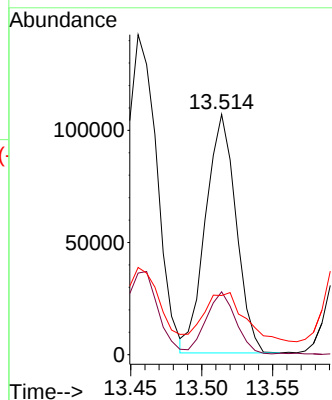
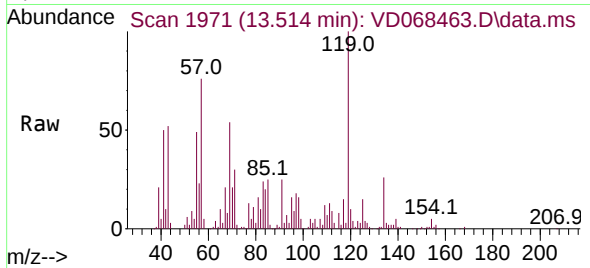




#86  
p-Isopropyltoluene  
Concen: 6.95 ug/l  
RT: 13.514 min Scan# 1971  
Delta R.T. 0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
SEDGWICK-AVE

Tgt Ion:119 Resp: 158842  
Ion Ratio Lower Upper  
119 100  
134 25.0 12.9 38.7  
91 27.3 11.7 35.0



#89  
n-Butylbenzene  
Concen: 8.79 ug/l  
RT: 13.838 min Scan# 2026  
Delta R.T. 0.000 min  
Lab File: VD068463.D  
Acq: 26 Feb 2021 18:21

Tgt Ion: 91 Resp: 193668  
Ion Ratio Lower Upper  
91 100  
92 57.3 27.2 81.6  
134 0.0 13.9 41.7#

