

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\  
 Data File : VW010511.D  
 Acq On : 22 May 2019 15:37  
 Operator : SY/VA  
 Sample : K3002-04  
 Misc : 5.02G/5ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 21-C1-20190391

Quant Time: May 23 08:04:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 21 06:38:43 2019  
 Response via : Initial Calibration

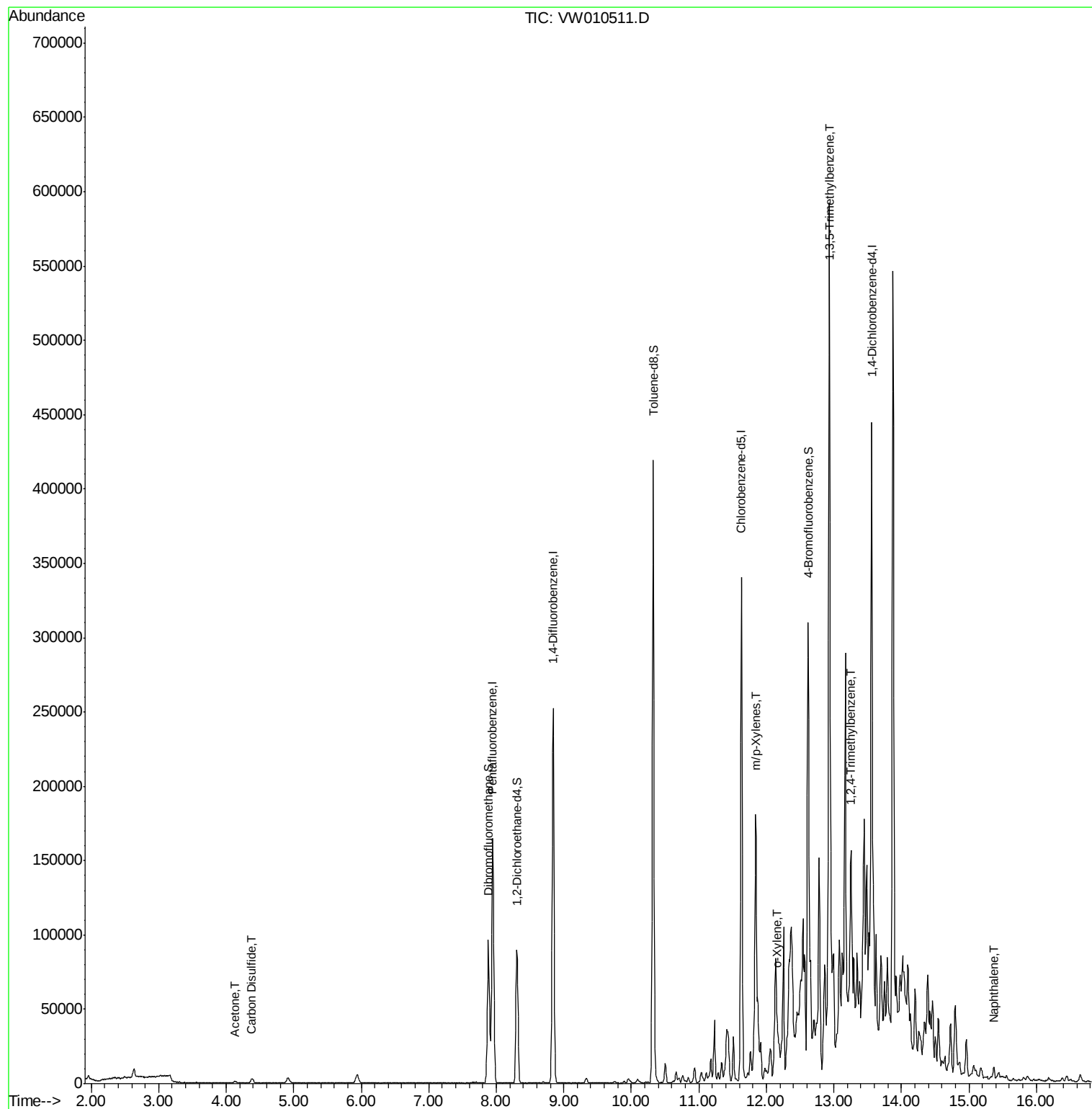
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95   | 168  | 118691   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84   | 114  | 224665   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63  | 117  | 200408   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56  | 152  | 90495    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30   | 65   | 70484    | 57.53  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 115.06% |          |
| 35) Dibromofluoromethane    | 7.88   | 113  | 69111    | 50.70  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 101.40% |          |
| 50) Toluene-d8              | 10.32  | 98   | 278392   | 53.46  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 106.92% |          |
| 62) 4-Bromofluorobenzene    | 12.62  | 95   | 103421   | 49.86  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 99.72%  |          |
| Target Compounds            |        |      |          |        |         |          |
|                             |        |      |          |        | Qvalue  |          |
| 16) Acetone                 | 4.13   | 43   | 2330     | 9.317  | ug/l    | 100      |
| 17) Carbon Disulfide        | 4.38   | 76   | 5004     | 1.338  | ug/l    | 100      |
| 68) m/p-Xylenes             | 11.83  | 106  | 5591     | 1.890  | ug/l    | 94       |
| 69) o-Xylene                | 12.16  | 106  | 3571     | 1.274  | ug/l    | 92       |
| 80) 1,3,5-Trimethylbenzene  | 12.94  | 105  | 33475    | 5.504  | ug/l    | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.26  | 105  | 64240    | 10.605 | ug/l    | 100      |
| 95) Naphthalene             | 15.37  | 128  | 7809     | 1.903  | ug/l    | 99       |

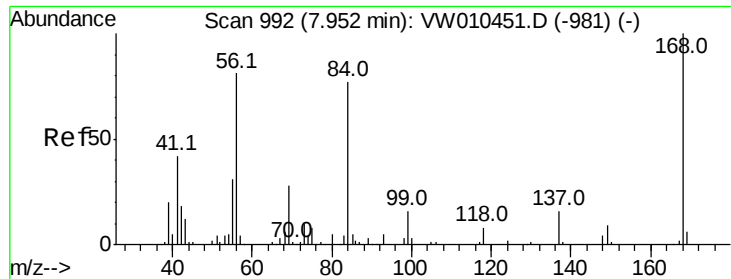
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\  
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Sample : K3002-04  
Misc : 5.02G/5ML/MSVOA W/SOIL  
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Instrument :  
MSVOA\_W  
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21-C1-20190391

Quant Time: May 23 08:04:56 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 21 06:38:43 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010511.D

Acq: 22 May 2019 15:37

Instrument :

MSVOA\_W

ClientSampleId :

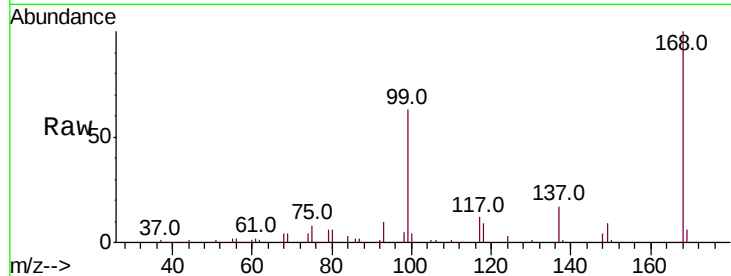
21-C1-20190391

Tot Ion:168 Resp: 118691

Ion Ratio Lower Upper

168 100

99 63.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

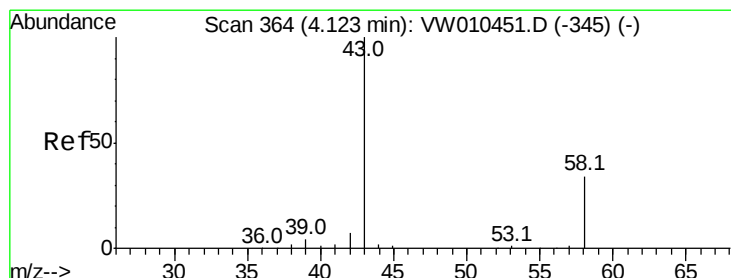
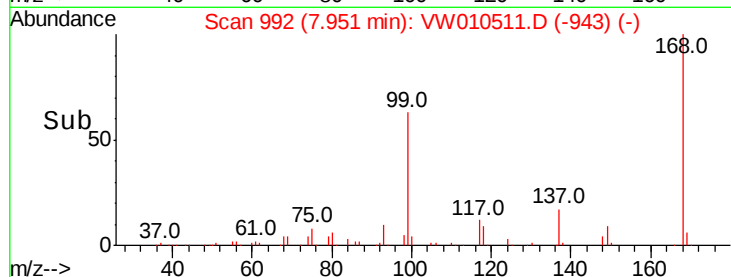
20000

10000

0

7.90 8.00 8.10

Time-->



#16

Acetone

Concen: 9.317 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010511.D

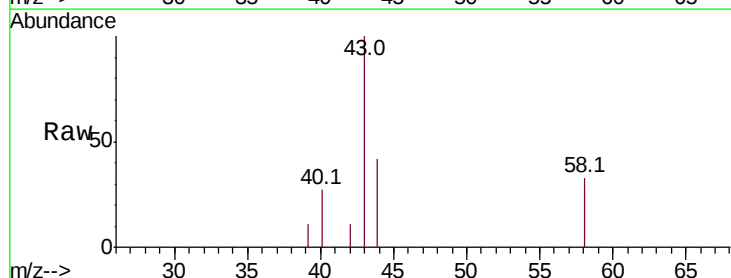
Acq: 22 May 2019 15:37

Tgt Ion: 43 Resp: 2330

Ion Ratio Lower Upper

43 100

58 33.4 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

800

600

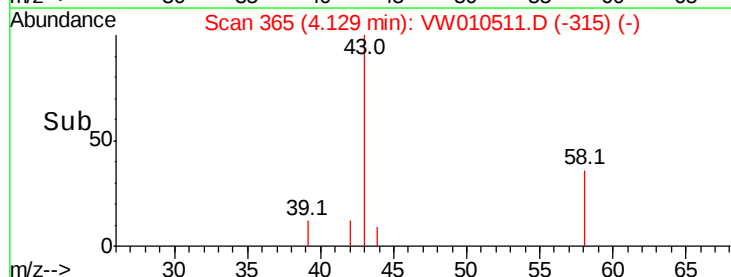
400

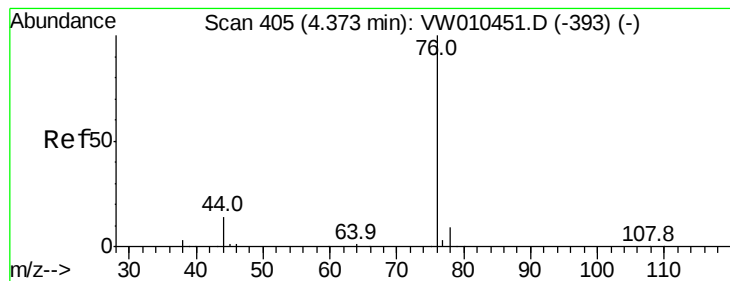
200

0

4.00 4.10 4.20

Time-->





#17

Carbon Disulfide

Concen: 1.338 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010511.D

Acq: 22 May 2019 15:37

Instrument :

MSVOA\_W

ClientSampleId :

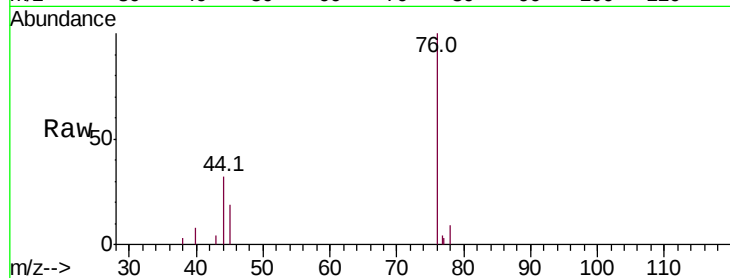
21-C1-20190391

Tot Ion: 76 Resp: 5004

Ion Ratio Lower Upper

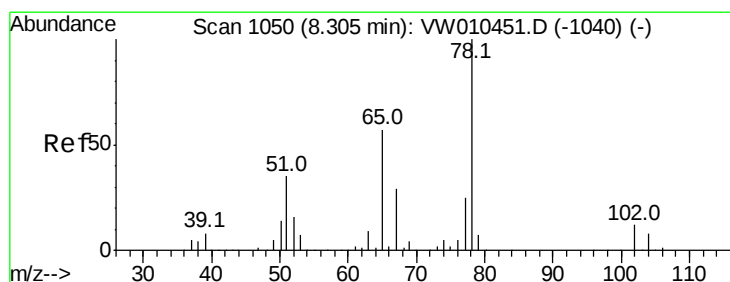
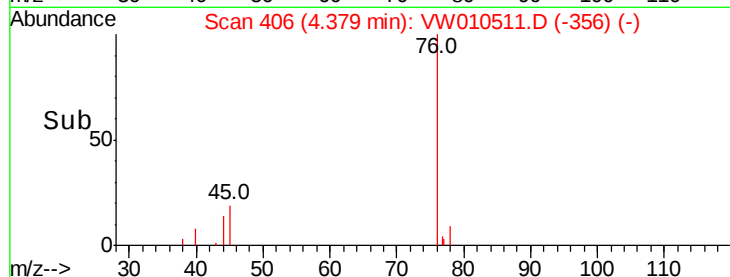
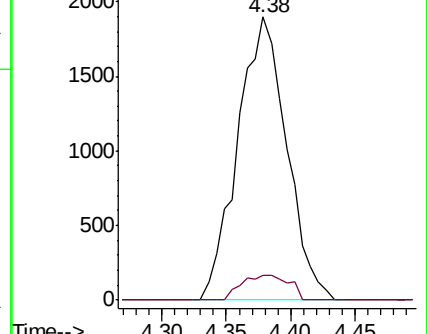
76 100

78 8.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#33

1,2-Dichloroethane-d4

Concen: 57.534 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010511.D

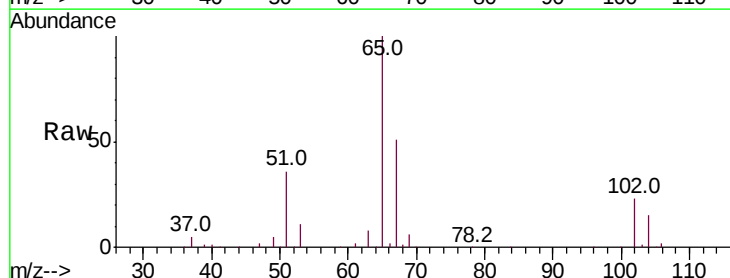
Acq: 22 May 2019 15:37

Tgt Ion: 65 Resp: 70484

Ion Ratio Lower Upper

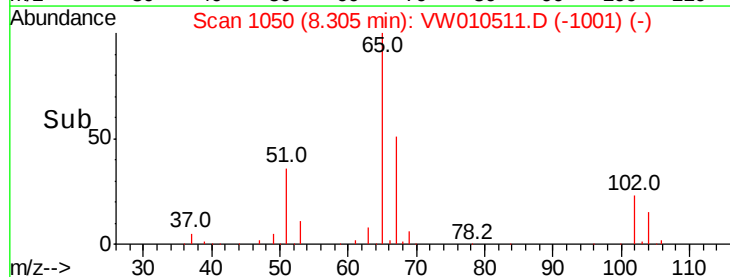
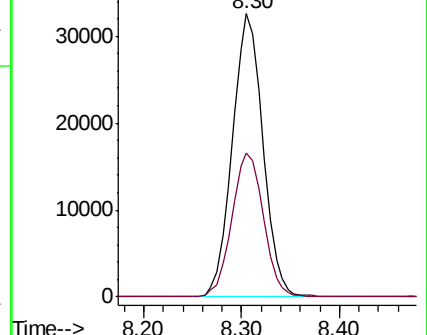
65 100

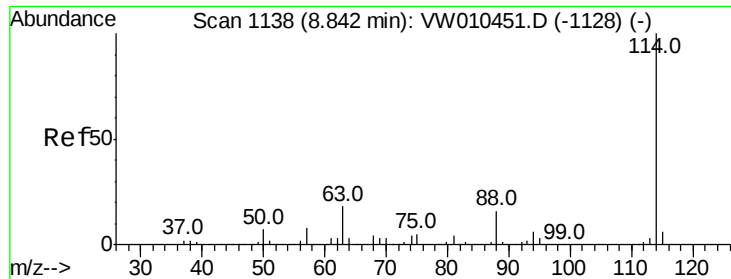
67 52.4 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

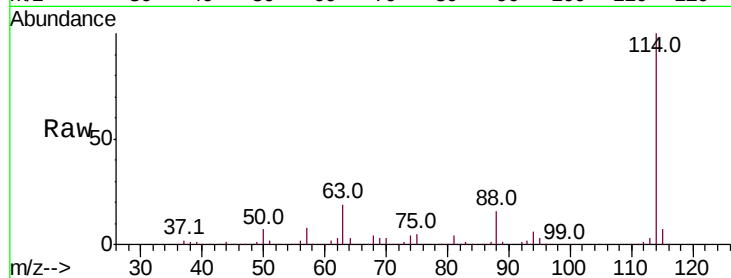




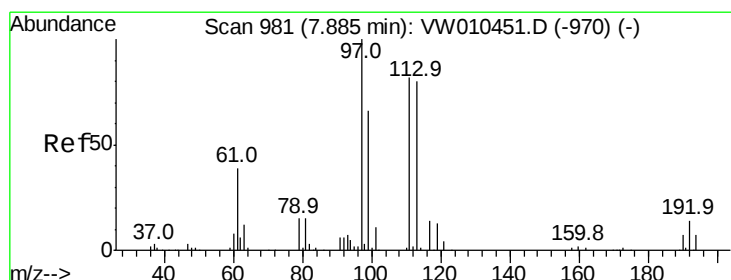
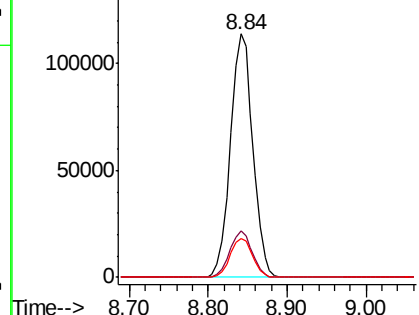
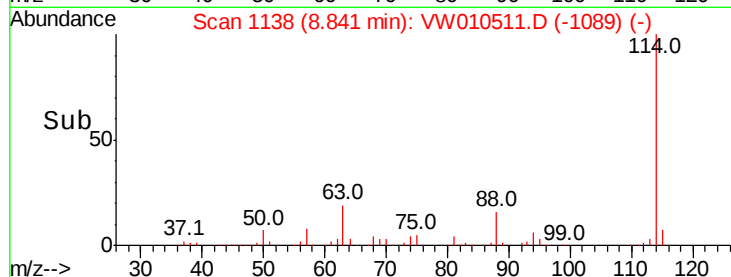
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW010511.D  
 Acq: 22 May 2019 15:37

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 21-C1-20190391

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 114   | Resp: | 224665 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.3  | 0.0   | 36.0   |
| 88       | 15.7  | 0.0   | 32.0   |

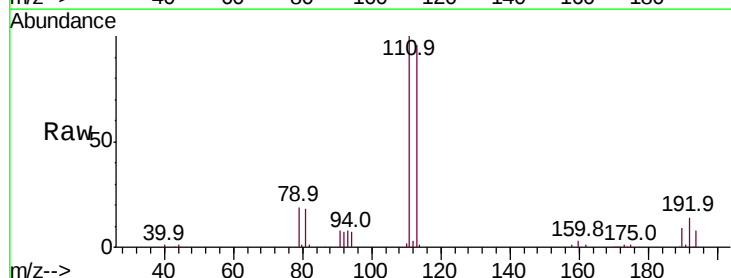


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

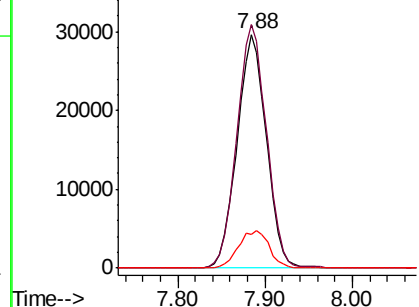
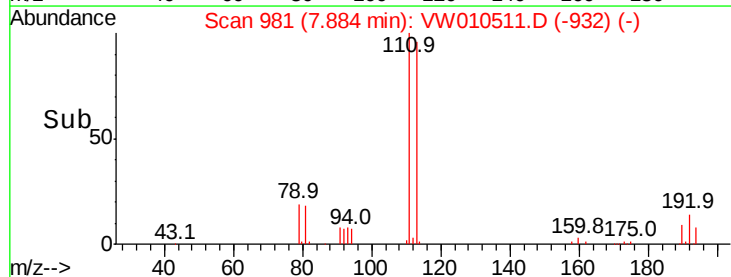


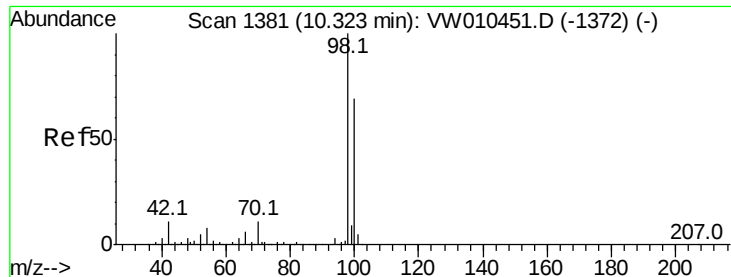
#35  
 Dibromofluoromethane  
 Concen: 50.697 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW010511.D  
 Acq: 22 May 2019 15:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 69111 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 105.3 | 82.2  | 123.4 |
| 192      | 16.7  | 14.3  | 21.5  |



Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 53.456 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010511.D

Acq: 22 May 2019 15:37

Instrument :

MSVOA\_W

ClientSampleId :

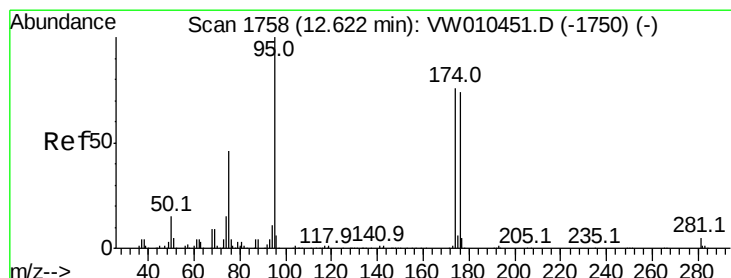
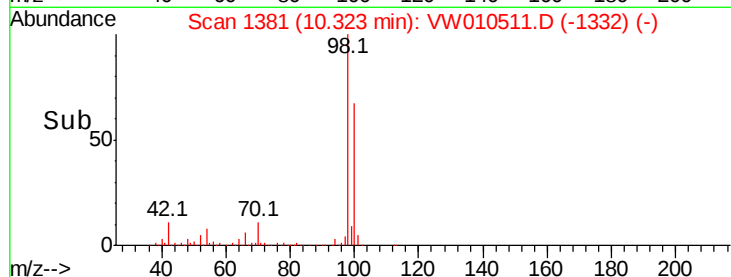
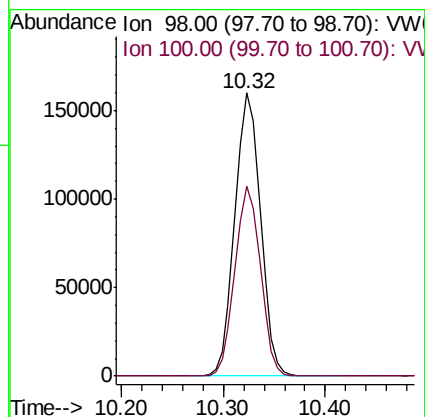
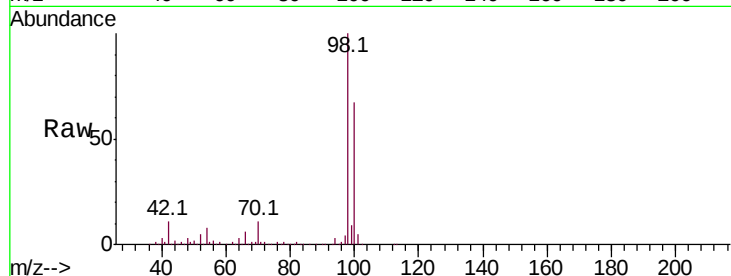
21-C1-20190391

Tot Ion: 98 Resp: 278392

Ion Ratio Lower Upper

98 100

100 66.7 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 49.857 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010511.D

Acq: 22 May 2019 15:37

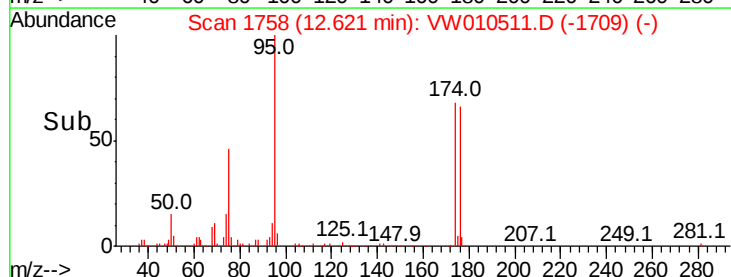
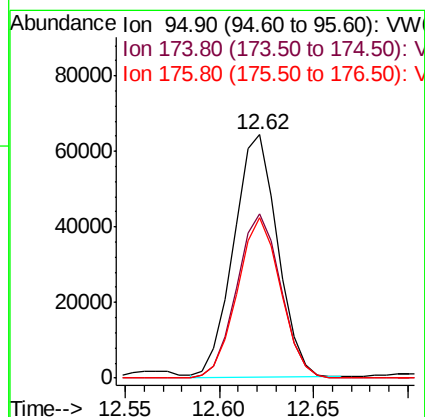
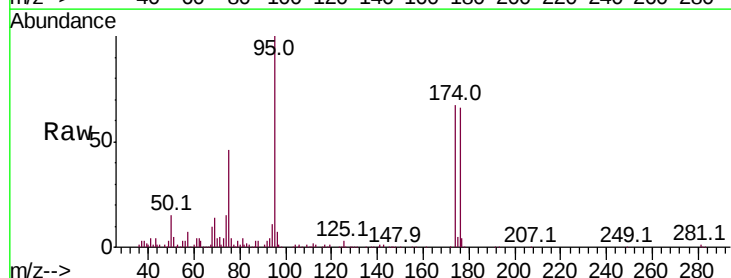
Tgt Ion: 95 Resp: 103421

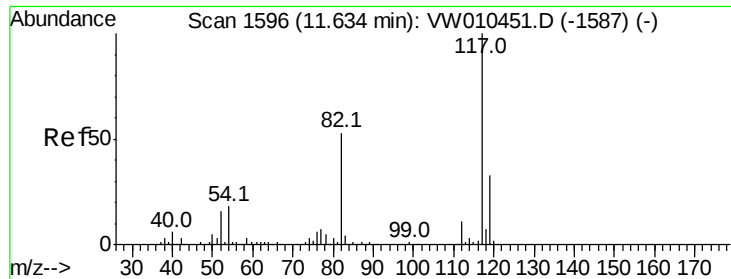
Ion Ratio Lower Upper

95 100

174 68.4 0.0 148.6

176 65.5 0.0 144.2

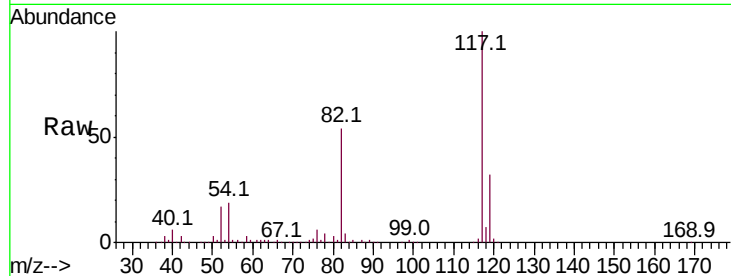




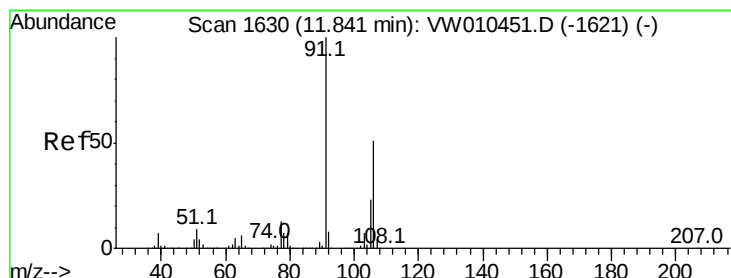
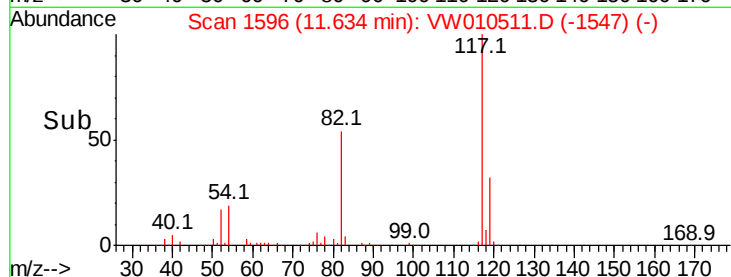
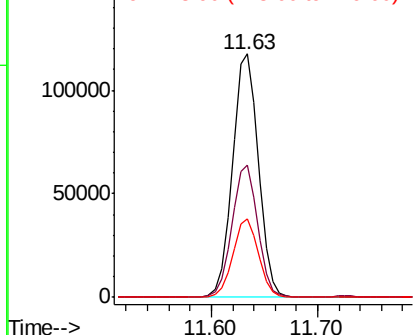
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW010511.D  
Acq: 22 May 2019 15:37

Instrument :  
MSVOA\_W  
ClientSampleId :  
21-C1-20190391

Tot Ion:117 Resp: 200408  
Ion Ratio Lower Upper  
117 100  
82 54.0 42.8 64.2  
119 32.4 26.3 39.5

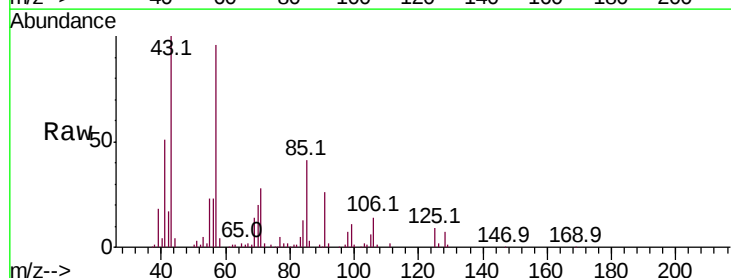


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VW  
Ion 118.90 (118.60 to 119.60): V

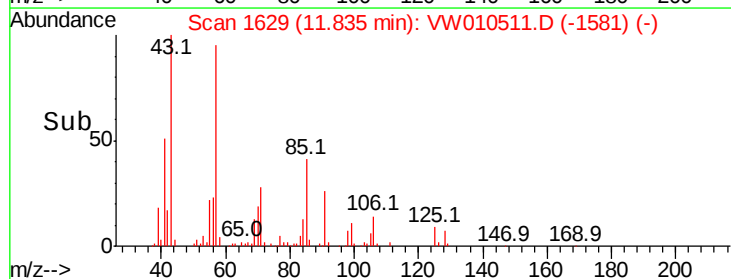
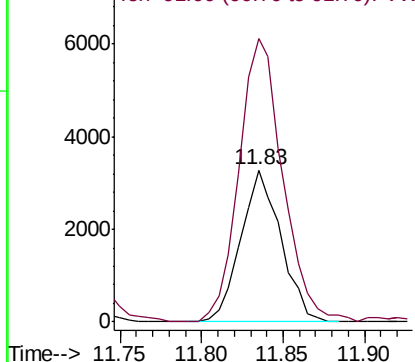


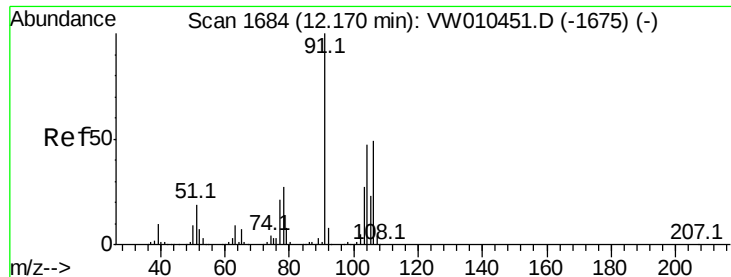
#68  
m/p-Xylenes  
Concen: 1.890 ug/l  
RT: 11.83 min Scan# 1629  
Delta R.T. -0.01 min  
Lab File: VW010511.D  
Acq: 22 May 2019 15:37

Tgt Ion:106 Resp: 5591  
Ion Ratio Lower Upper  
106 100  
91 204.3 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VW

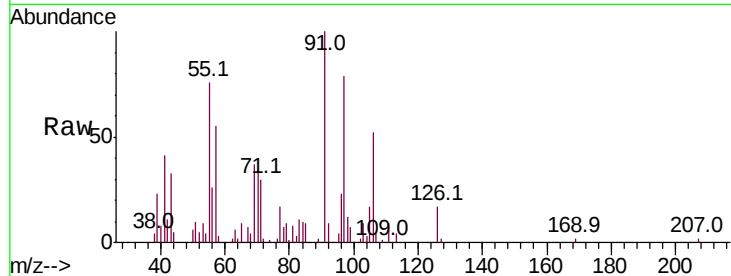




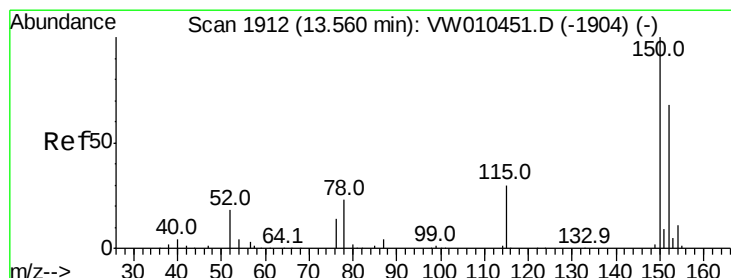
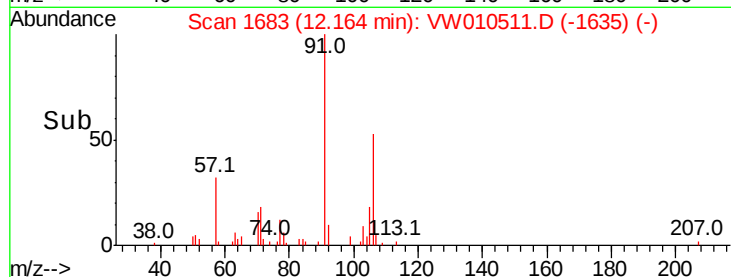
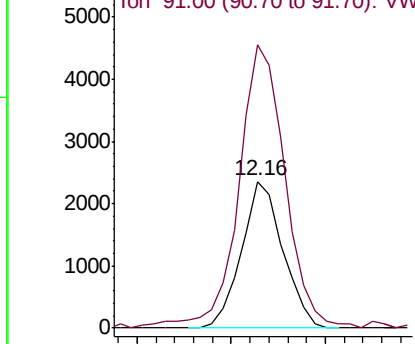
#69  
o-Xylene  
Concen: 1.274 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.01 min  
Lab File: VW010511.D  
Acq: 22 May 2019 15:37

Instrument :  
MSVOA\_W  
ClientSampleId :  
21-C1-20190391

Tot Ion:106 Resp: 3571  
Ion Ratio Lower Upper  
106 100  
91 218.1 103.2 309.4

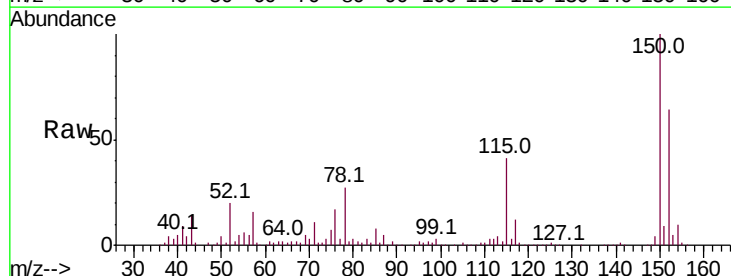


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

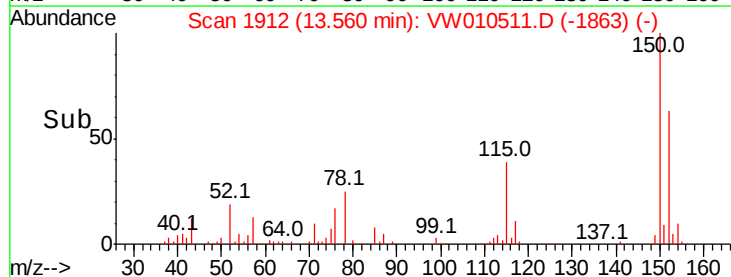
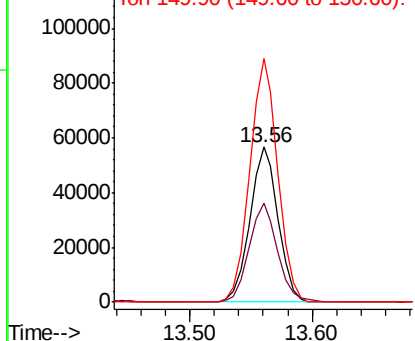


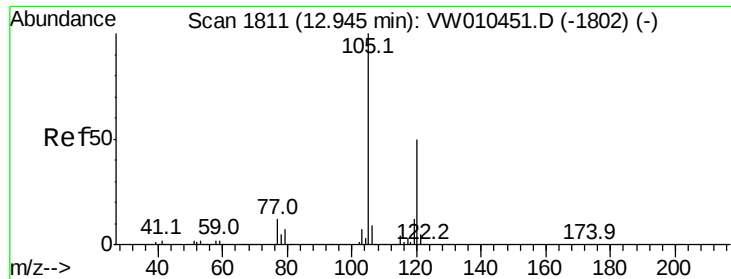
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW010511.D  
Acq: 22 May 2019 15:37

Tgt Ion:152 Resp: 90495  
Ion Ratio Lower Upper  
152 100  
115 64.4 30.3 91.0  
150 155.3 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

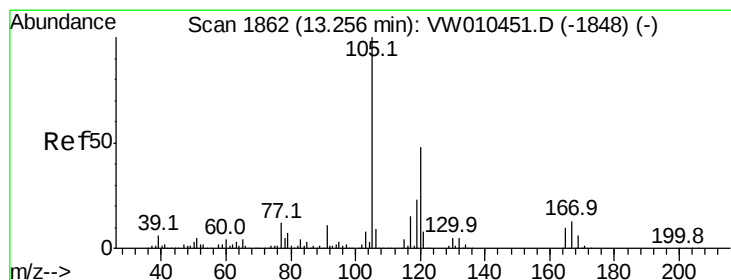
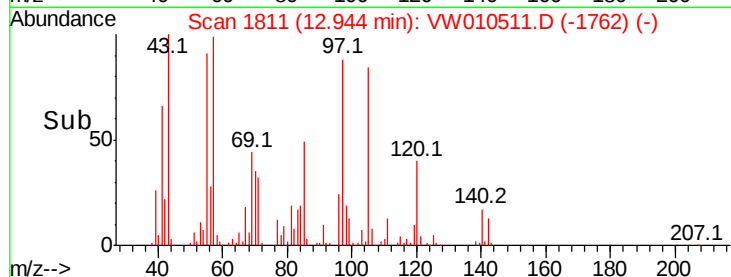
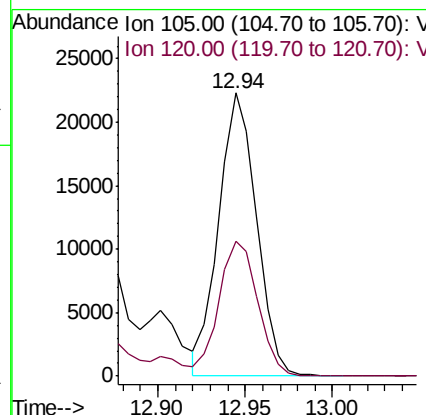
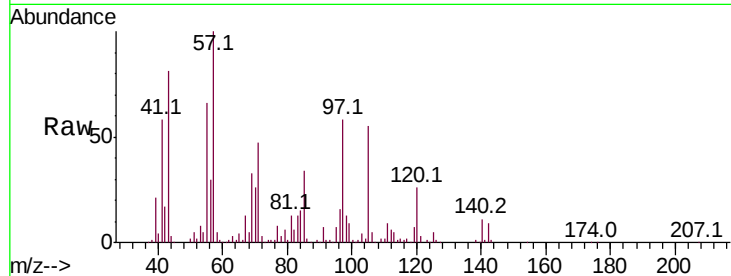




#80  
 1,3,5-Trimethylbenzene  
 Concen: 5.504 ug/l  
 RT: 12.94 min Scan# 1811  
 Delta R.T. -0.00 min  
 Lab File: VW010511.D  
 Acq: 22 May 2019 15:37

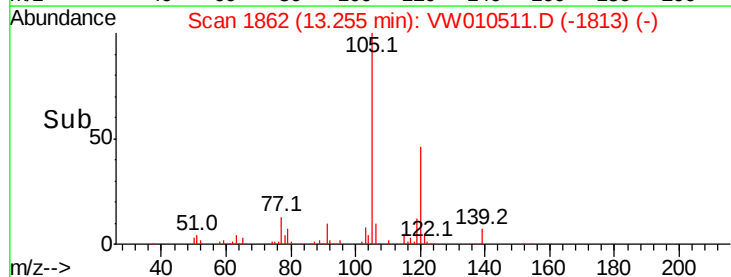
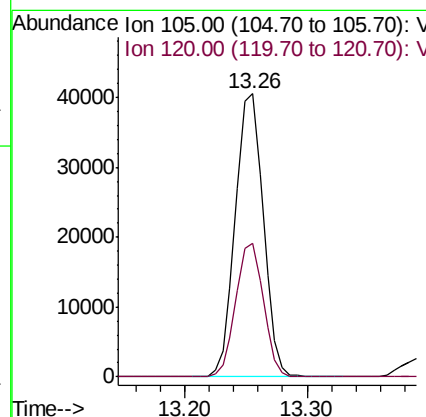
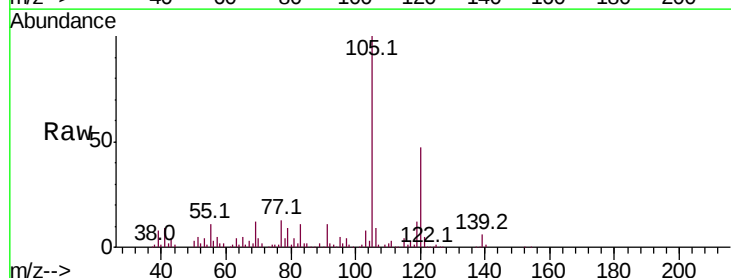
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 21-C1-20190391

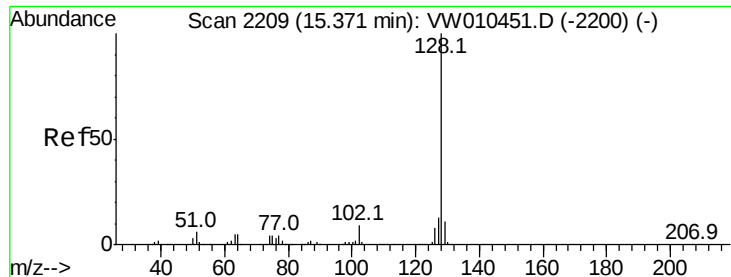
Tot Ion:105 Resp: 33475  
 Ion Ratio Lower Upper  
 105 100  
 120 48.9 25.2 75.6



#84  
 1,2,4-Trimethylbenzene  
 Concen: 10.605 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. -0.00 min  
 Lab File: VW010511.D  
 Acq: 22 May 2019 15:37

Tgt Ion:105 Resp: 64240  
 Ion Ratio Lower Upper  
 105 100  
 120 46.7 23.4 70.2

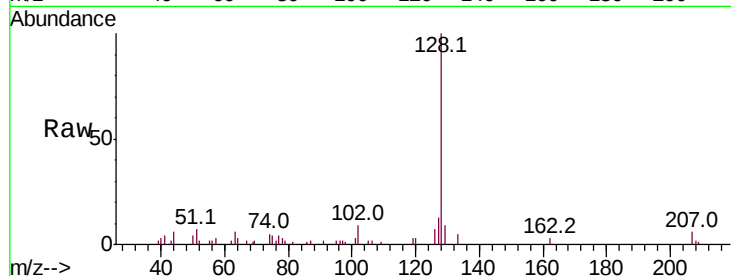




#95  
Naphthalene  
Concen: 1.903 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. -0.00 min  
Lab File: VW010511.D  
Acq: 22 May 2019 15:37

Instrument :  
MSVOA\_W  
ClientSampleId :  
21-C1-20190391

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 10.6  | 15.8  |
| 129     | 10.5  | 8.9   | 13.3  |



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

