

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\  
 Data File : VF061176.D  
 Acq On : 24 Dec 2018 20:29  
 Operator : VA/AP  
 Sample : J6446-11  
 Misc : 3.35u/5mL/MSVOA-F/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 P001-SS021-1824-01

Quant Time: Dec 25 06:24:05 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F121918S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 20 00:56:59 2018  
 Response via : Initial Calibration

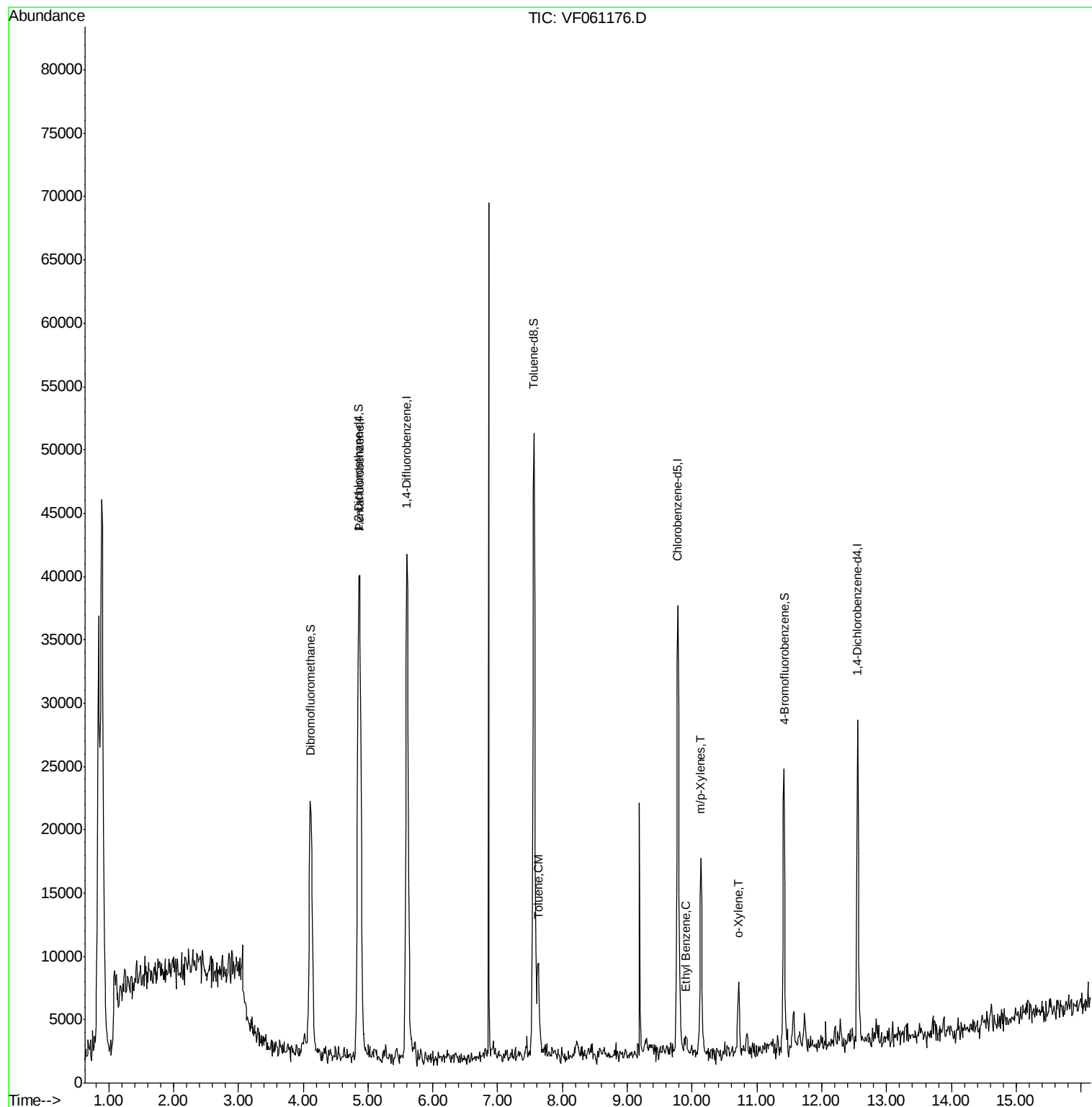
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 4.87  | 168  | 28522    | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.60  | 114  | 46761    | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.78  | 117  | 26905    | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.55 | 152  | 6580     | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 4.85  | 65   | 16895    | 46.06  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.12%  |          |
| 35) Dibromofluoromethane    | 4.11  | 113  | 19541    | 52.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.34% |          |
| 50) Toluene-d8              | 7.56  | 98   | 41197    | 38.81  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 77.62%  |          |
| 62) 4-Bromofluorobenzene    | 11.42 | 95   | 9726     | 19.87  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 39.74%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 52) Toluene                 | 7.62  | 92   | 4478     | 5.573  | ug/l    | 84       |
| 67) Ethyl Benzene           | 9.91  | 91   | 1598     | 1.578  | ug/l #  | 82       |
| 68) m/p-Xylenes             | 10.14 | 106  | 5539     | 15.543 | ug/l    | 98       |
| 69) o-Xylene                | 10.72 | 106  | 1943     | 4.916  | ug/l    | 92       |

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

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QLast Update : Thu Dec 20 00:56:59 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061176.D

Acq: 24 Dec 2018 20:29

Instrument :

MSVOA\_F

ClientSampleId :

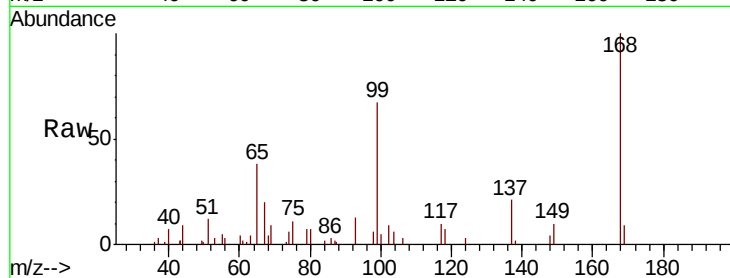
P001-SS021-1824-01

Tot Ion:168 Resp: 28522

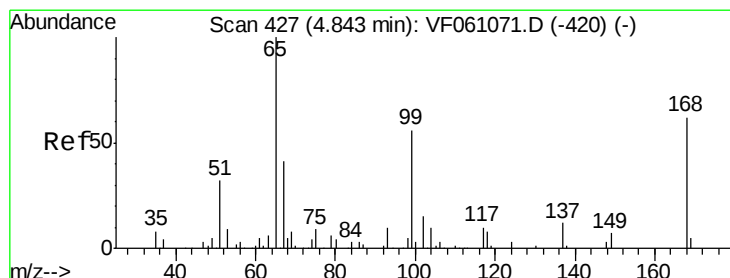
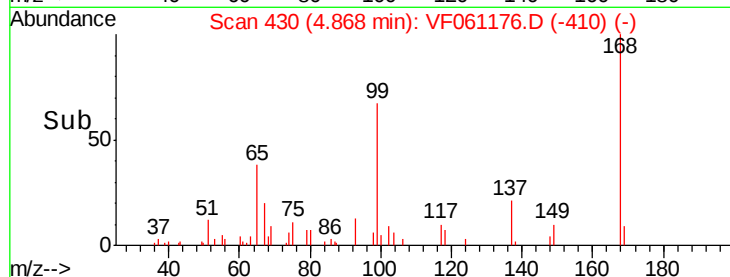
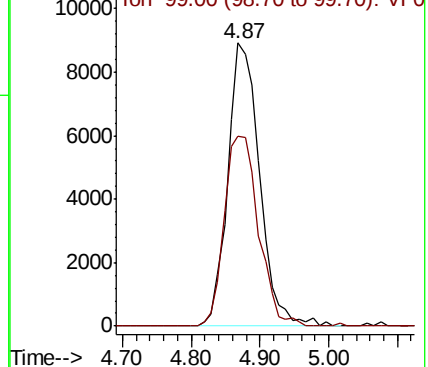
Ion Ratio Lower Upper

168 100

99 67.2 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 46.055 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF061176.D

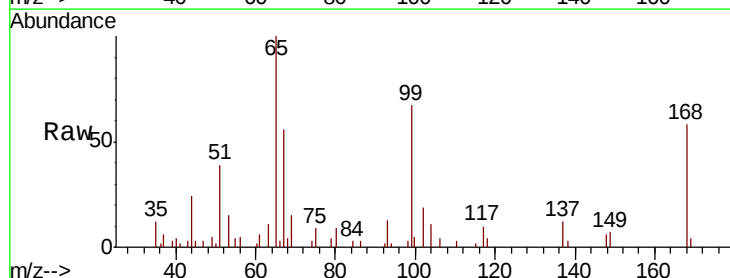
Acq: 24 Dec 2018 20:29

Tgt Ion: 65 Resp: 16895

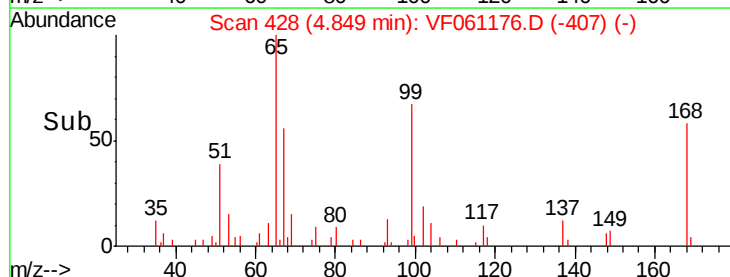
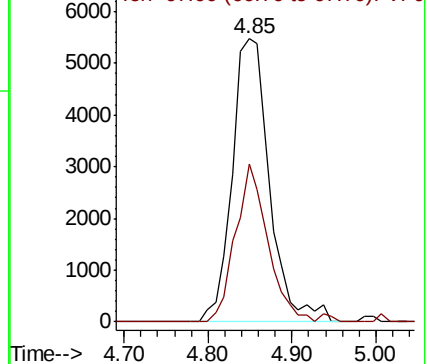
Ion Ratio Lower Upper

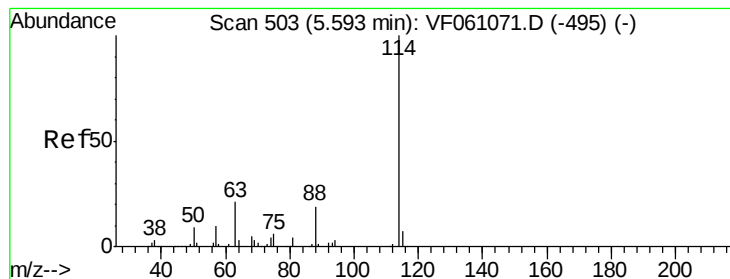
65 100

67 55.6 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061176.D

Acq: 24 Dec 2018 20:29

Instrument :

MSVOA\_F

ClientSampleId :

P001-SS021-1824-01

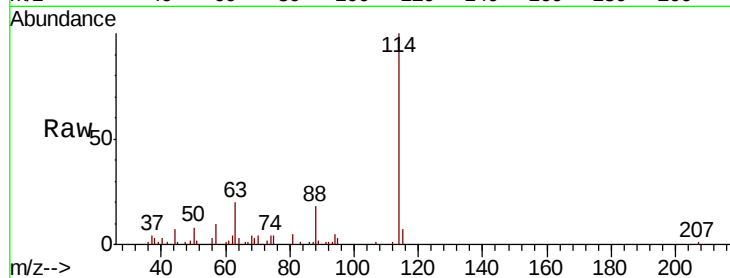
Tot Ion:114 Resp: 46761

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.6

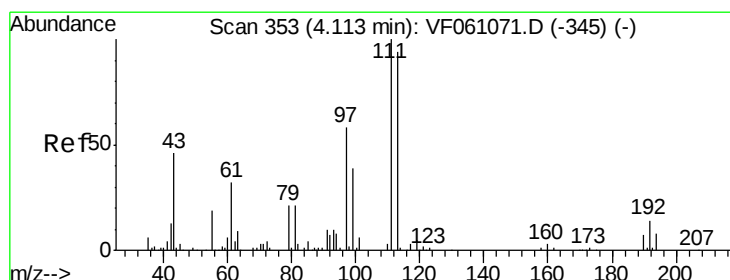
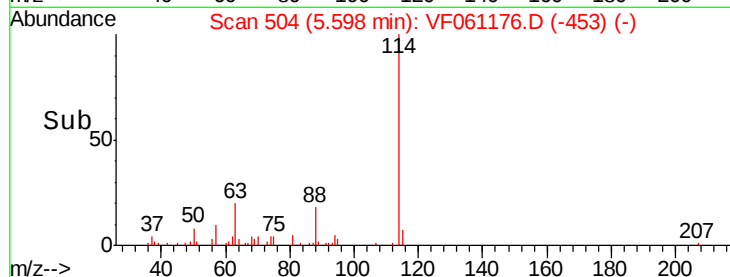
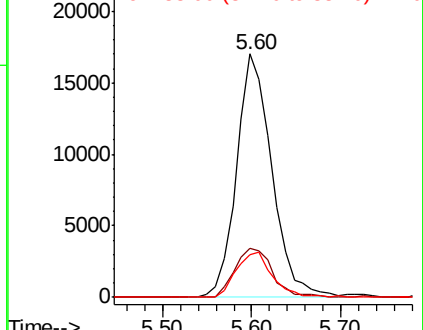
88 17.6 0.0 38.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 52.167 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061176.D

Acq: 24 Dec 2018 20:29

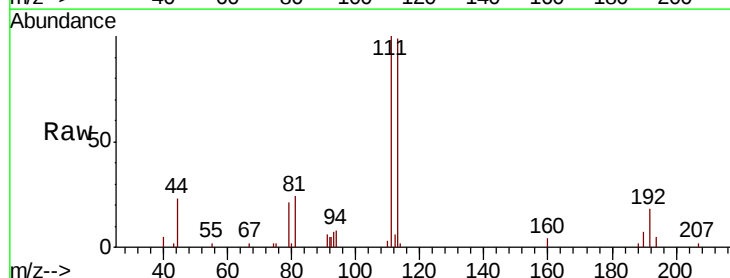
Tgt Ion:113 Resp: 19541

Ion Ratio Lower Upper

113 100

111 100.8 85.2 127.8

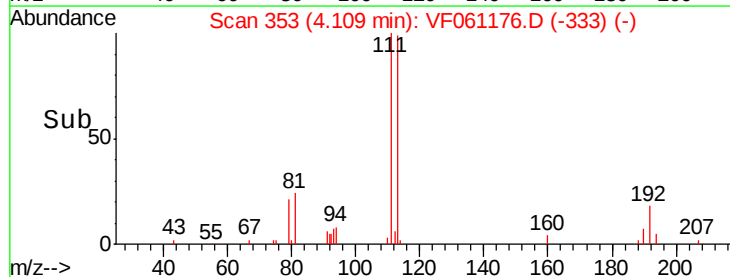
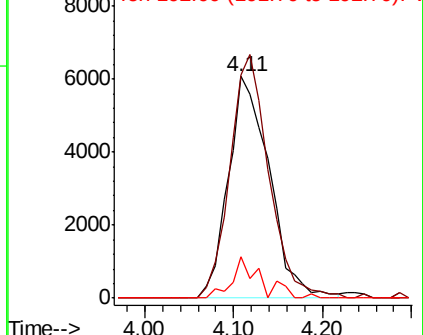
192 18.6 12.8 19.2

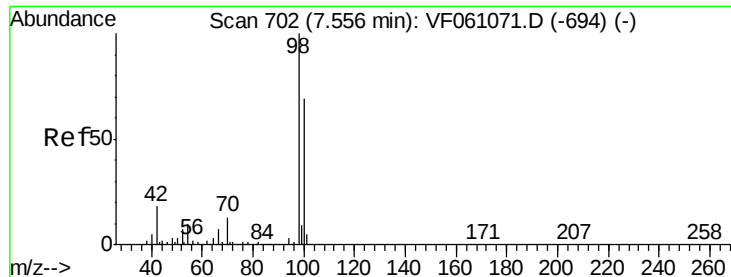


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 38.809 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF061176.D

Acq: 24 Dec 2018 20:29

Instrument :

MSVOA\_F

ClientSampleId :

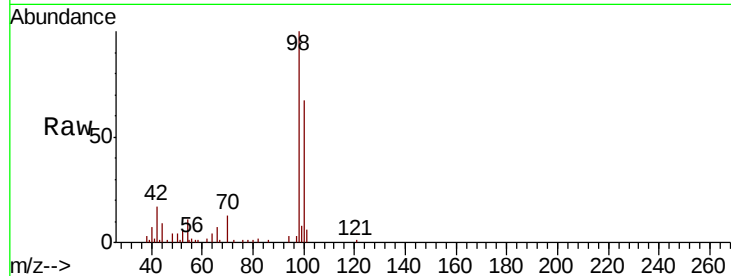
P001-SS021-1824-01

Tot Ion: 98 Resp: 41197

Ion Ratio Lower Upper

98 100

100 67.1 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

20000

15000

10000

5000

0

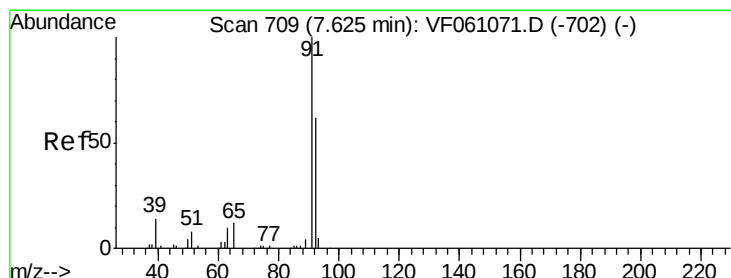
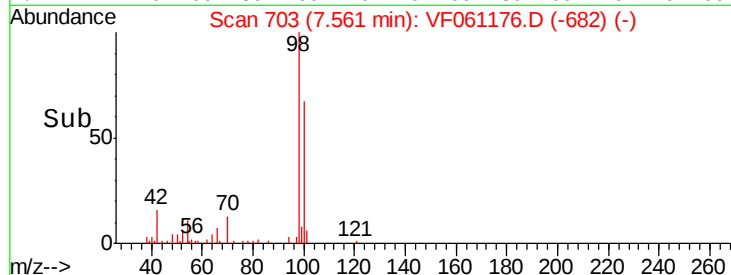
7.56

7.50

7.60

7.70

Time-->



#52

Toluene

Concen: 5.573 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061176.D

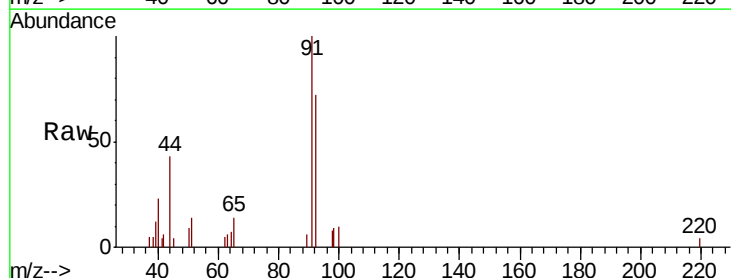
Acq: 24 Dec 2018 20:29

Tgt Ion: 92 Resp: 4478

Ion Ratio Lower Upper

92 100

91 139.3 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

3000

2000

1000

0

7.62

7.55

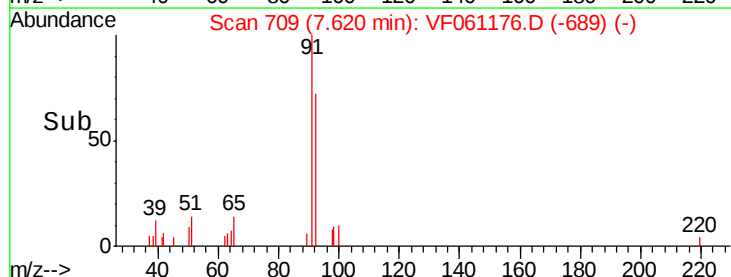
7.60

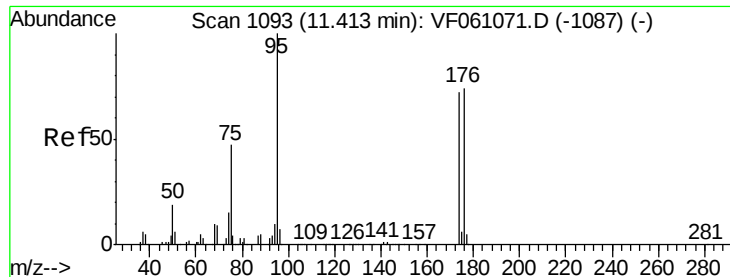
7.65

7.70

7.75

Time-->

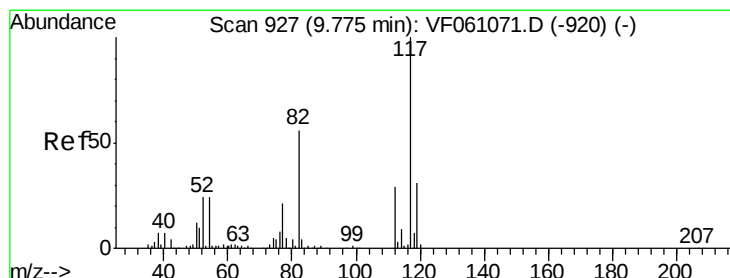
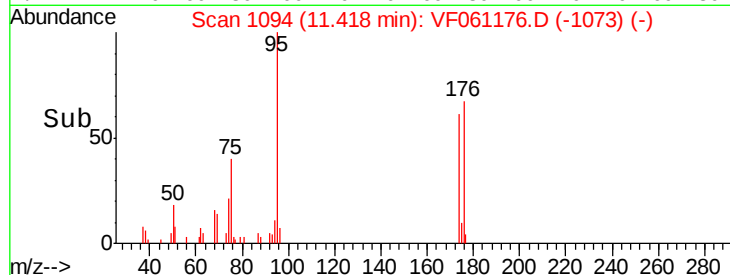
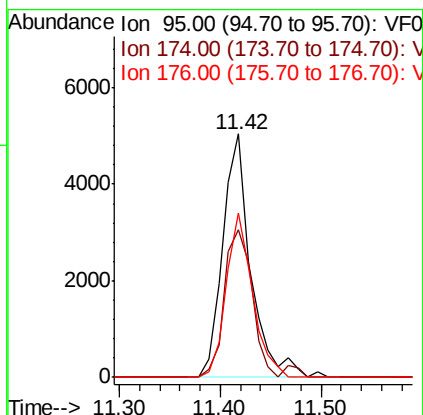
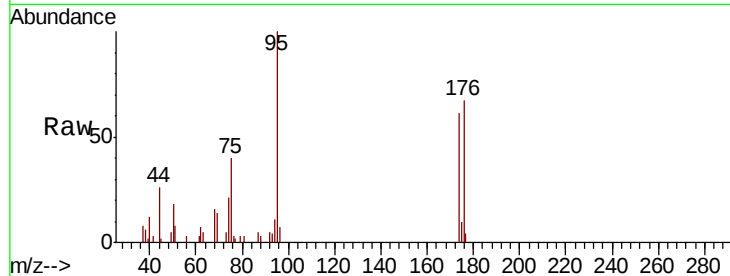




#62  
4-Bromofluorobenzene  
Concen: 19.874 ug/l  
RT: 11.42 min Scan# 1094  
Delta R.T. 0.01 min  
Lab File: VF061176.D  
Acq: 24 Dec 2018 20:29

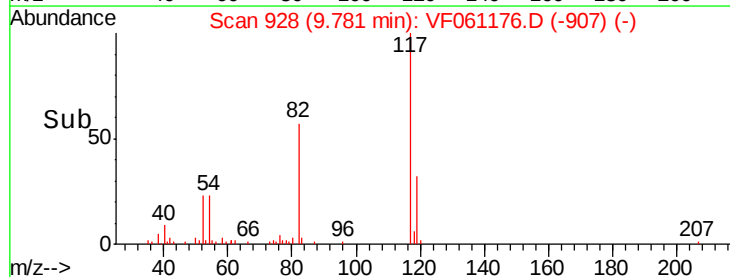
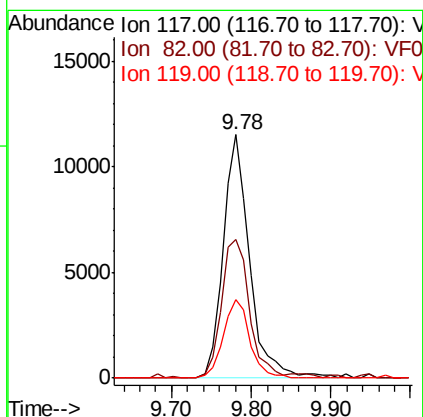
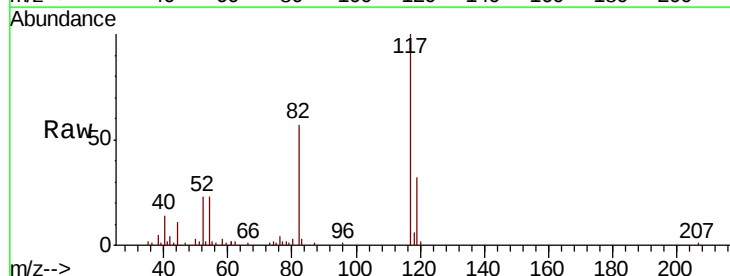
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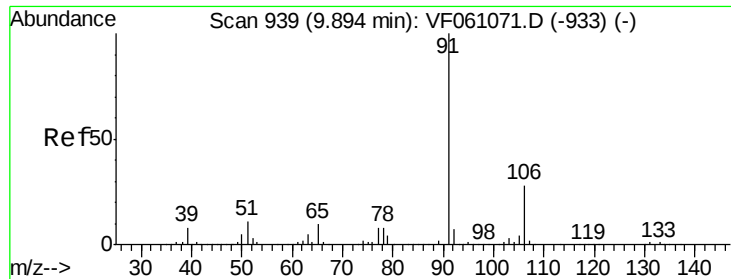
Tot Ion: 95 Resp: 9726  
Ion Ratio Lower Upper  
95 100  
174 60.6 0.0 143.8  
176 67.4 0.0 147.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.78 min Scan# 928  
Delta R.T. 0.01 min  
Lab File: VF061176.D  
Acq: 24 Dec 2018 20:29

Tgt Ion: 117 Resp: 26905  
Ion Ratio Lower Upper  
117 100  
82 57.1 45.0 67.4  
119 32.3 24.8 37.2

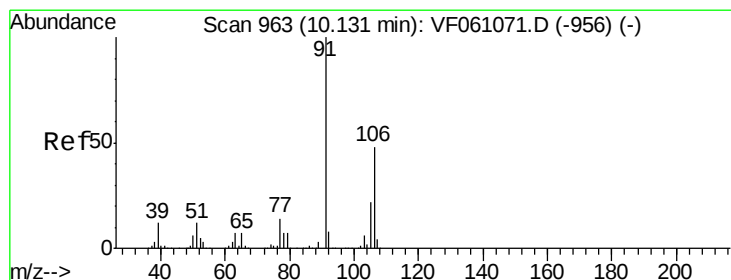
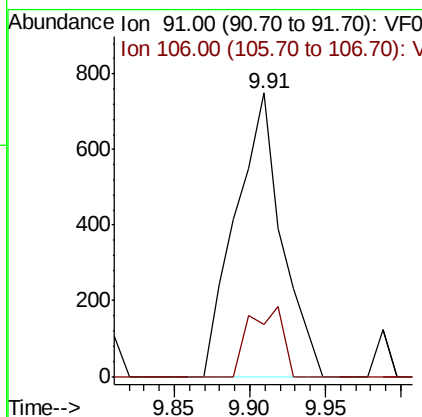
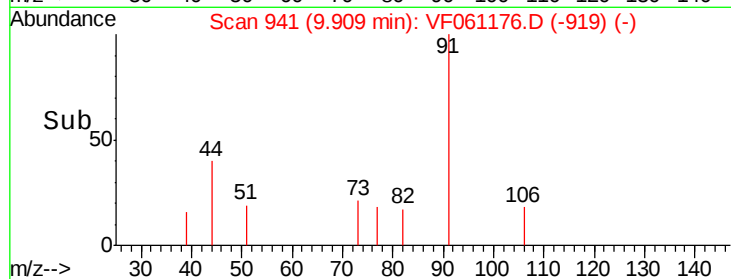
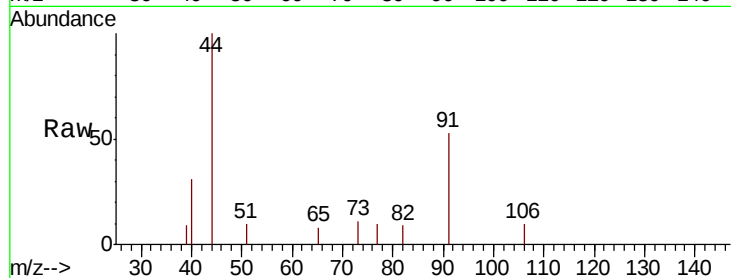




#67  
Ethyl Benzene  
Concen: 1.578 ug/l  
RT: 9.91 min Scan# 941  
Delta R.T. 0.02 min  
Lab File: VF061176.D  
Acq: 24 Dec 2018 20:29

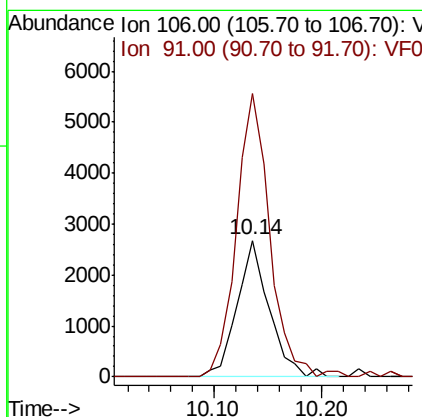
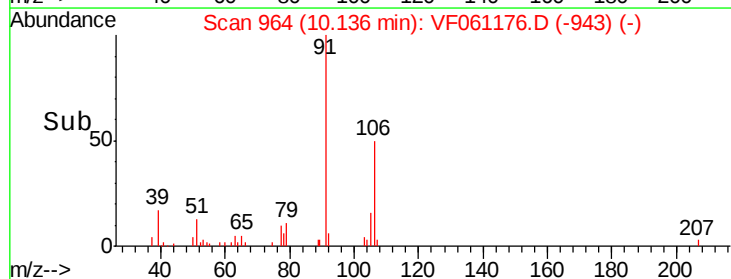
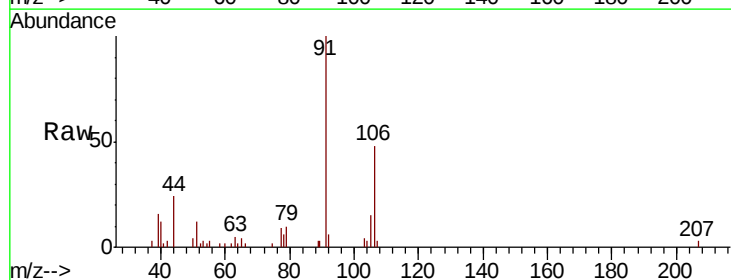
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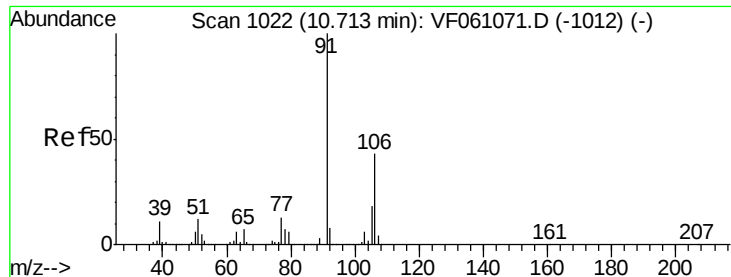
Tot Ion: 91 Resp: 1598  
Ion Ratio Lower Upper  
91 100  
106 18.4 22.5 33.7#



#68  
m/p-Xylenes  
Concen: 15.543 ug/l  
RT: 10.14 min Scan# 964  
Delta R.T. 0.01 min  
Lab File: VF061176.D  
Acq: 24 Dec 2018 20:29

Tgt Ion: 106 Resp: 5539  
Ion Ratio Lower Upper  
106 100  
91 206.9 168.2 252.2

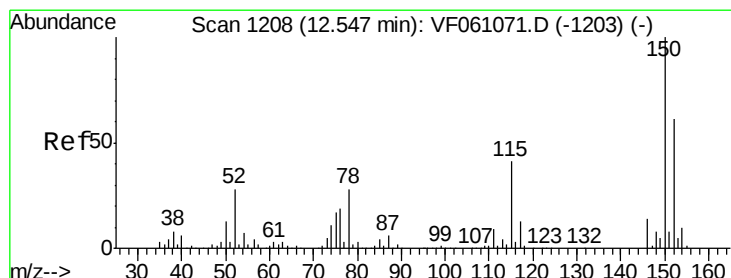
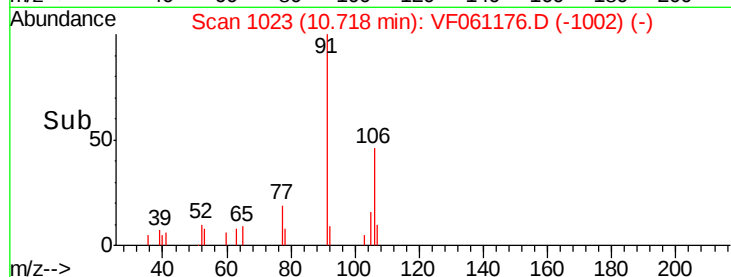
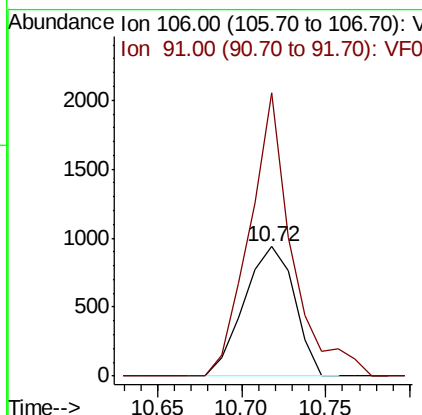
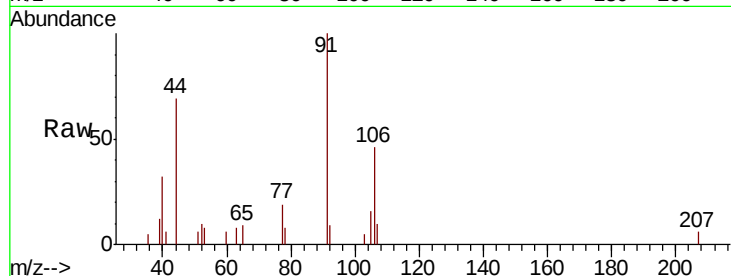




#69  
o-Xylene  
Concen: 4.916 ug/l  
RT: 10.72 min Scan# 1023  
Delta R.T. 0.01 min  
Lab File: VF061176.D  
Acq: 24 Dec 2018 20:29

Instrument :  
MSVOA\_F  
ClientSampleId :  
P001-SS021-1824-01

Tot Ion:106 Resp: 1943  
Ion Ratio Lower Upper  
106 100  
91 219.2 115.9 347.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.55 min Scan# 1209  
Delta R.T. 0.01 min  
Lab File: VF061176.D  
Acq: 24 Dec 2018 20:29

Tgt Ion:152 Resp: 6580  
Ion Ratio Lower Upper  
152 100  
115 66.0 33.3 99.9  
150 142.5 0.0 328.2

