

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_F\DATA\VF021419\  
 Data File : VF061641.D  
 Acq On : 14 Feb 2019 15:34  
 Operator : VA/AP  
 Sample : K1350-09  
 Misc : 6.72g/5mL/MSVOA-F/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 EO-02-021319-C

Manual Integrations  
 APPROVED

MMDadoda  
 2/18/2019 12:11:41 AM

Quant Time: Feb 15 01:26:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F021319S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 14 03:27:56 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 4.87  | 168  | 139078   | 50.00  | ug/l    | -0.02    |
| 34) 1,4-Difluorobenzene     | 5.60  | 114  | 202062   | 50.00  | ug/l    | -0.01    |
| 63) Chlorobenzene-d5        | 9.78  | 117  | 156074   | 50.00  | ug/l    | -0.01    |
| 72) 1,4-Dichlorobenzene-d4  | 12.55 | 152  | 72980    | 50.00  | ug/l    | -0.01    |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 4.85  | 65   | 50045    | 49.07  | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.14%  |          |
| 35) Dibromofluoromethane    | 4.11  | 113  | 76037    | 50.67  | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.34% |          |
| 50) Toluene-d8              | 7.55  | 98   | 190558   | 44.18  | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.36%  |          |
| 62) 4-Bromofluorobenzene    | 11.40 | 95   | 72316    | 41.43  | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 82.86%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.23  | 43   | 15063    | 68.837 | ug/l    | 91       |
| 20) Methylene Chloride      | 2.17  | 84   | 11809m   | 7.951  | ug/l    |          |

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

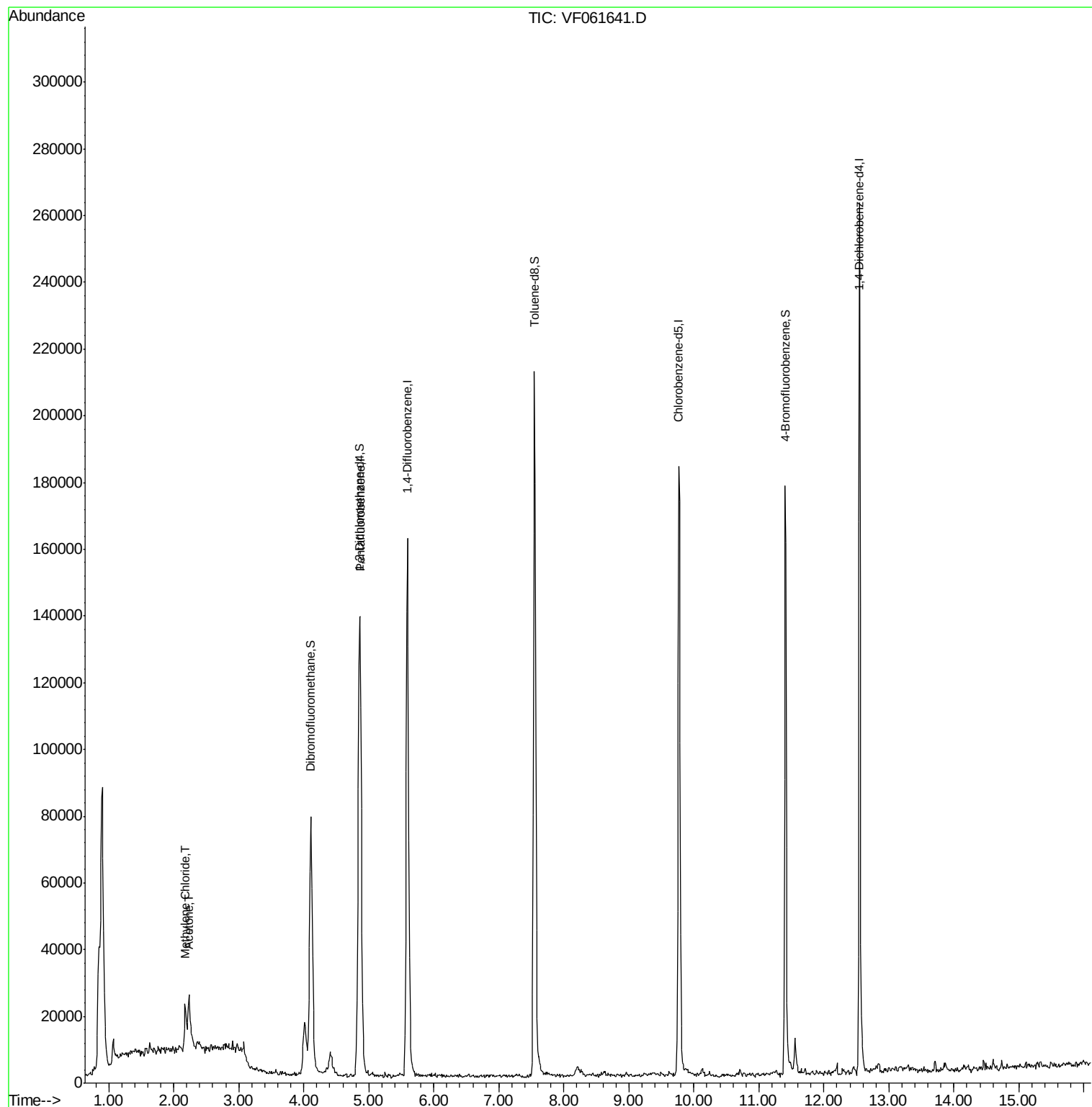
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_F\DATA\VF021419\  
Data File : VF061641.D  
Acq On : 14 Feb 2019 15:34  
Operator : VA/AP  
Sample : K1350-09  
Misc : 6.72g/5mL/MSVOA-F/SOIL  
ALS Vial : 11 Sample Multiplier: 1

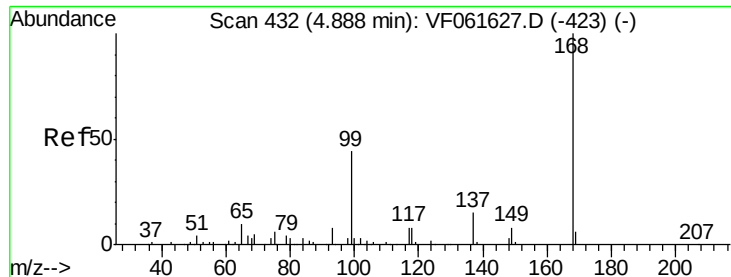
Instrument :  
MSVOA\_F  
ClientSampleId :  
EO-02-021319-C

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2/18/2019 12:11:41 AM

Quant Time: Feb 15 01:26:22 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F021319S.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 14 03:27:56 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF061641.D

Acq: 14 Feb 2019 15:34

Instrument :

MSVOA\_F

ClientSampleId :

EO-02-021319-C

Tgt Ion: 168 Resp: 139078

Ion Ratio Lower Upper

168 100

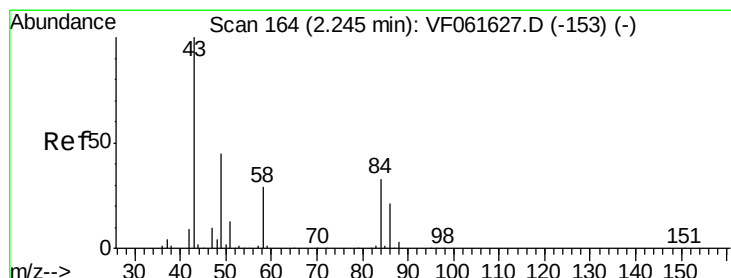
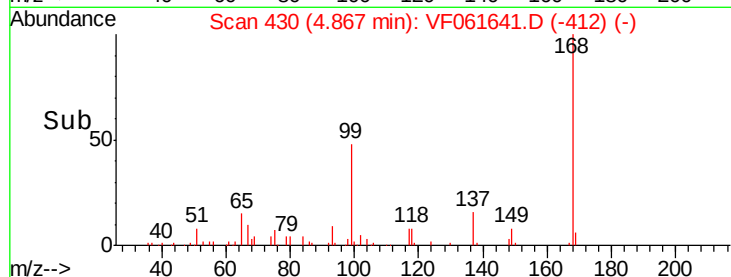
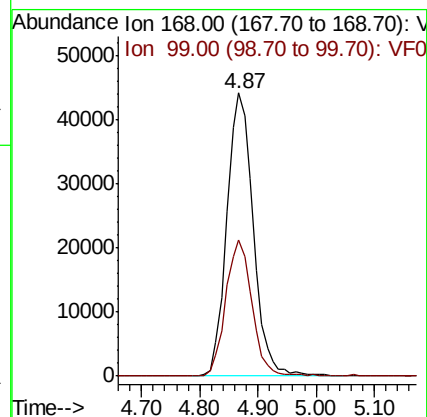
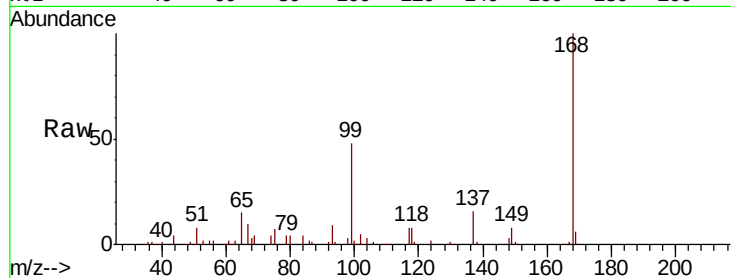
99 48.0 34.9 52.3

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#16

Acetone

Concen: 68.837 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061641.D

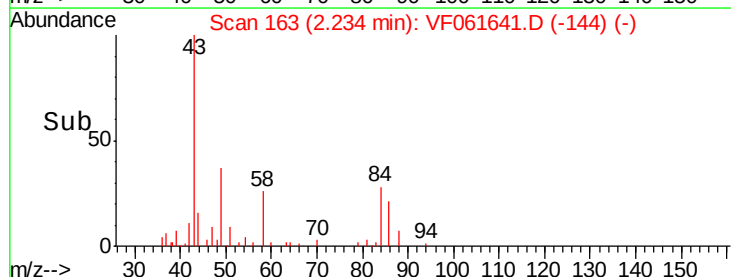
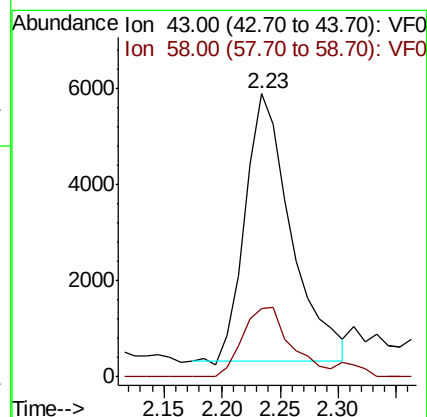
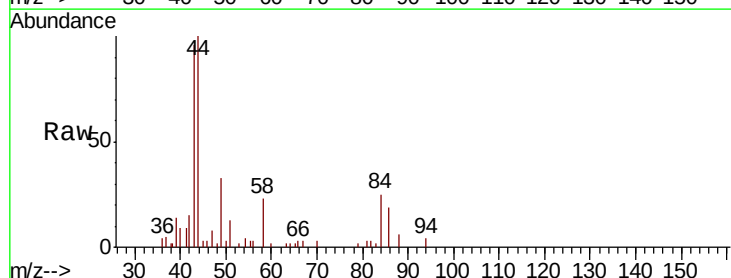
Acq: 14 Feb 2019 15:34

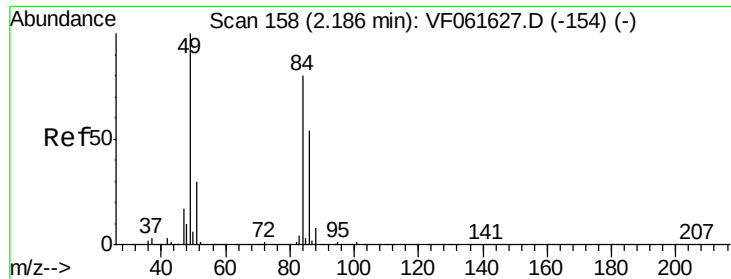
Tgt Ion: 43 Resp: 15063

Ion Ratio Lower Upper

43 100

58 24.0 22.9 34.3





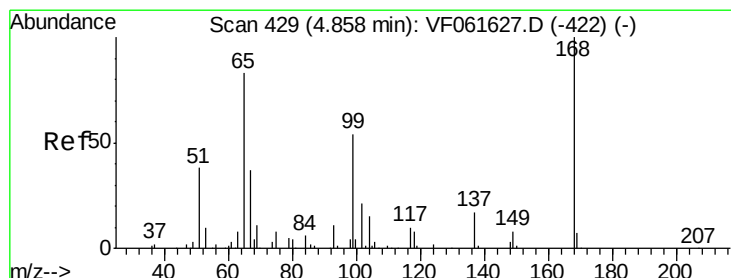
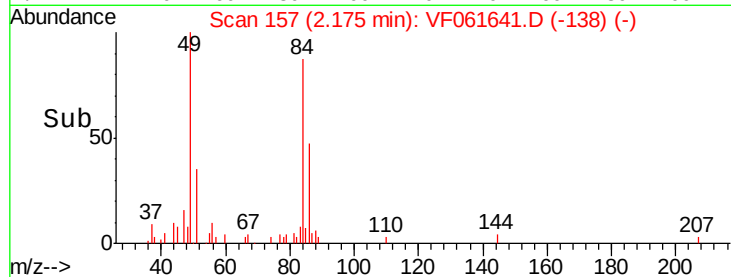
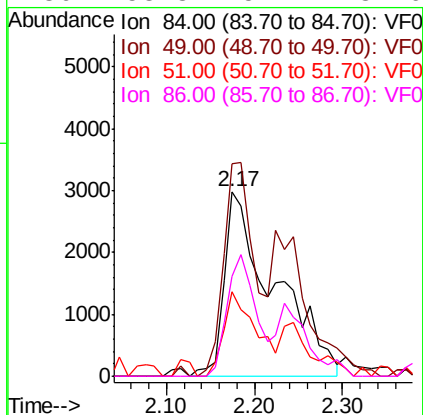
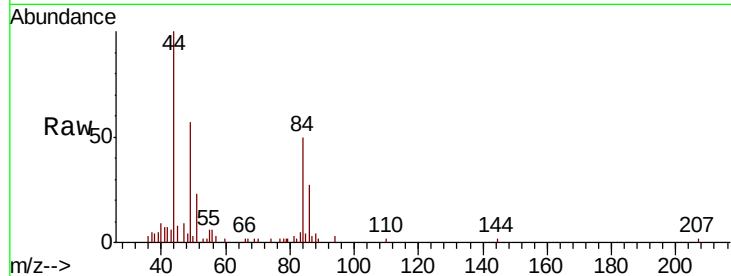
#20  
Methylene Chloride  
Concen: 7.951 ug/l m  
RT: 2.17 min Scan# 157  
Delta R.T. -0.01 min  
Lab File: VF061641.D  
Acq: 14 Feb 2019 15:34

Instrument :  
MSVOA\_F  
ClientSampleId :  
EO-02-021319-C

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 115.0 | 101.8 | 152.8 |
| 51      | 45.5  | 31.1  | 46.7  |
| 86      | 53.8  | 54.4  | 81.6# |

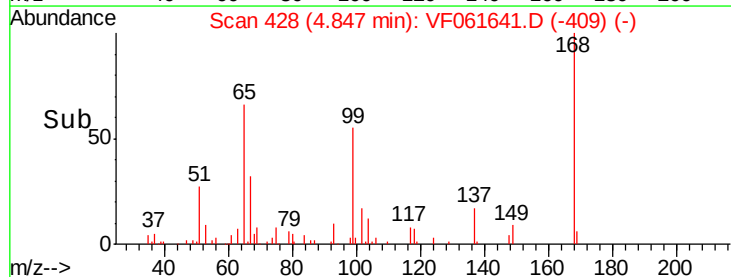
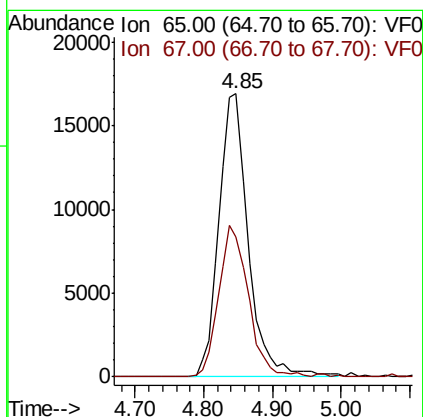
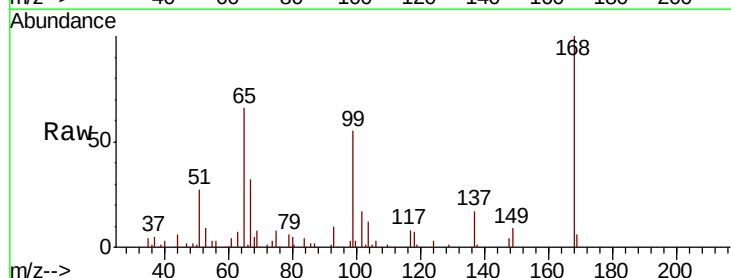
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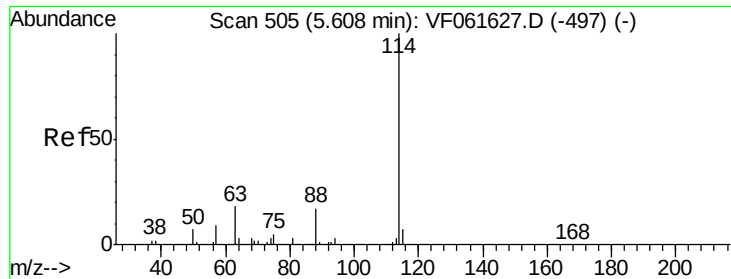
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#33  
1,2-Dichloroethane-d4  
Concen: 49.070 ug/l  
RT: 4.85 min Scan# 428  
Delta R.T. -0.01 min  
Lab File: VF061641.D  
Acq: 14 Feb 2019 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 49.4  | 0.0   | 104.0 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061641.D

Acq: 14 Feb 2019 15:34

Instrument :

MSVOA\_F

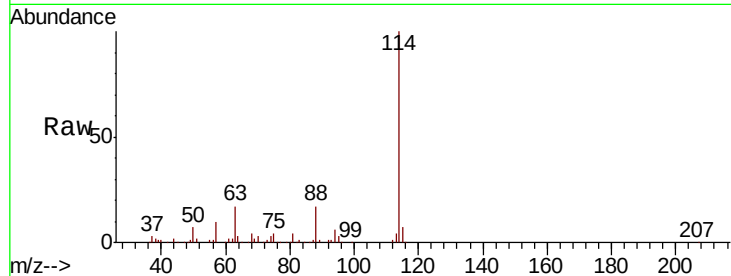
ClientSampleId :

EO-02-021319-C

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 202062 |       |       |
| 63      | 17.3  |        | 0.0   | 36.6  |
| 88      | 16.9  |        | 0.0   | 34.4  |

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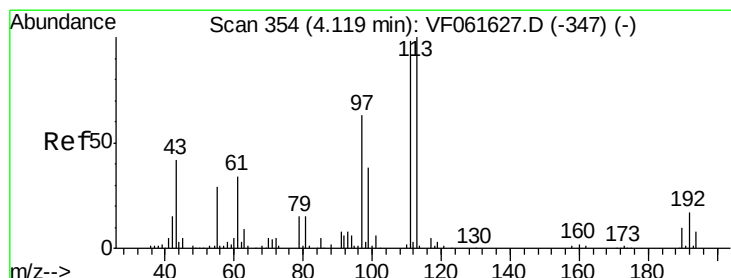
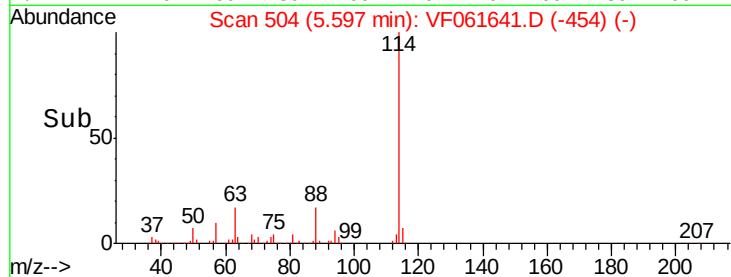
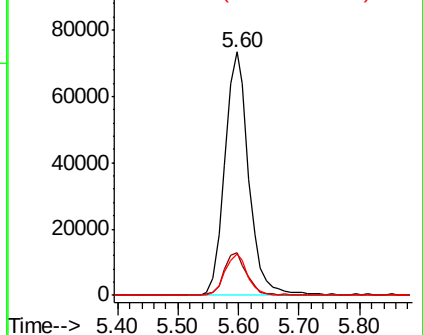
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Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 50.673 ug/l

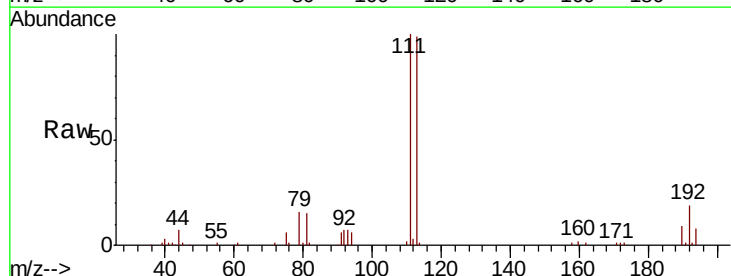
RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061641.D

Acq: 14 Feb 2019 15:34

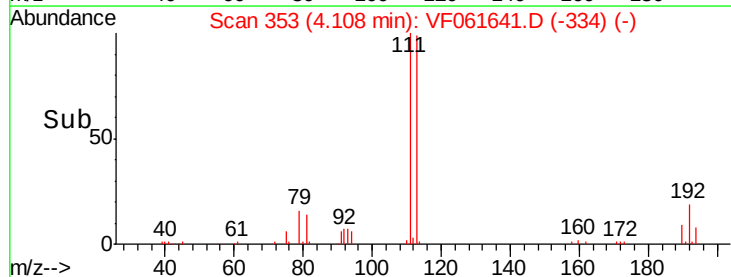
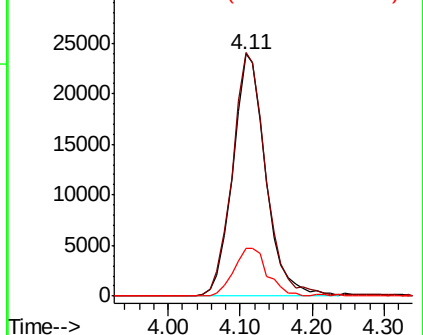
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 76037 |       |       |
| 111     | 100.7 |       | 78.8  | 118.2 |
| 192     | 19.5  |       | 13.4  | 20.0  |

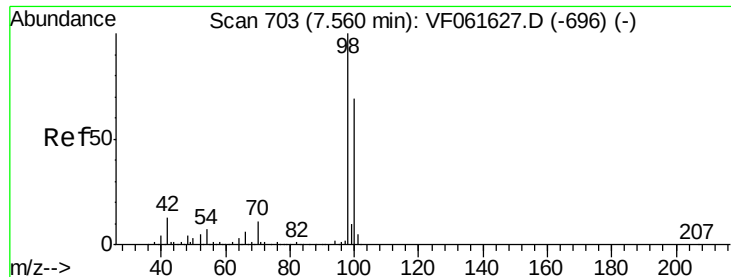


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





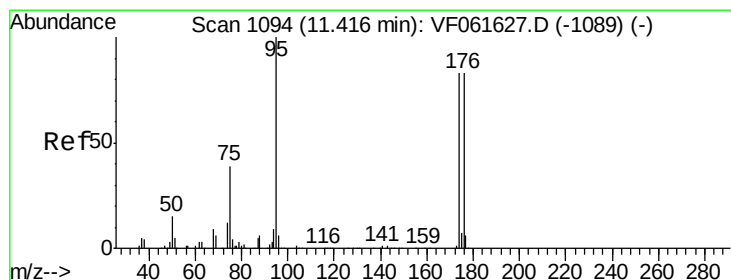
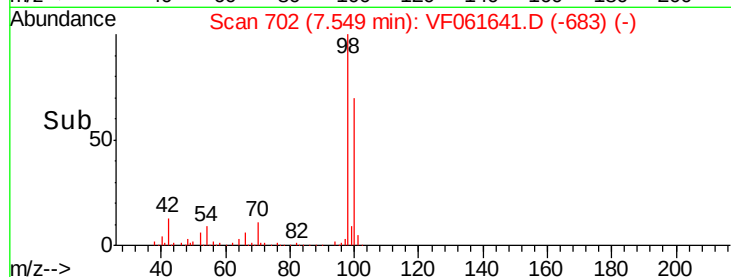
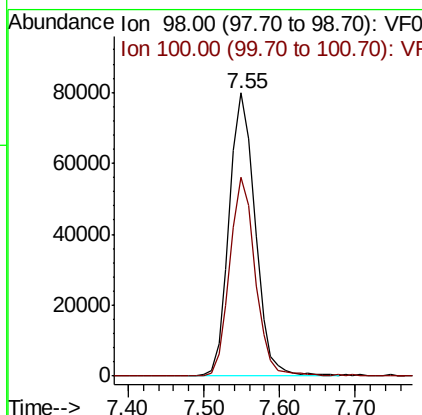
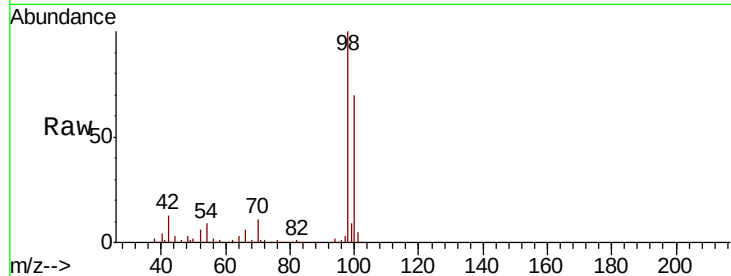
#50  
Toluene-d8  
Concen: 44.176 ug/l  
RT: 7.55 min Scan# 702  
Delta R.T. -0.01 min  
Lab File: VF061641.D  
Acq: 14 Feb 2019 15:34

Instrument :  
MSVOA\_F  
ClientSampleId :  
EO-02-021319-C

Tgt Ion: 98 Resp: 190558  
Ion Ratio Lower Upper  
98 100  
100 70.1 55.4 83.2

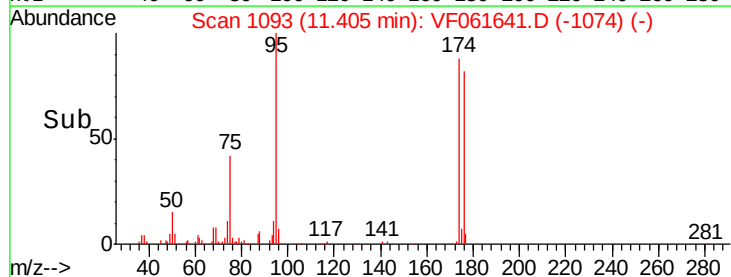
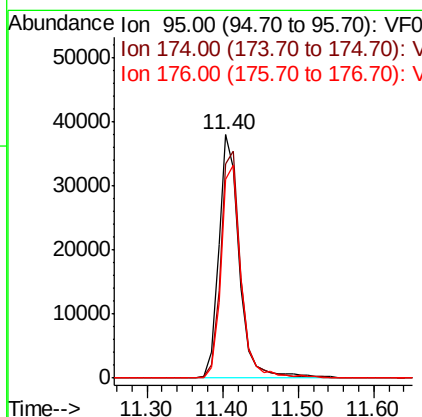
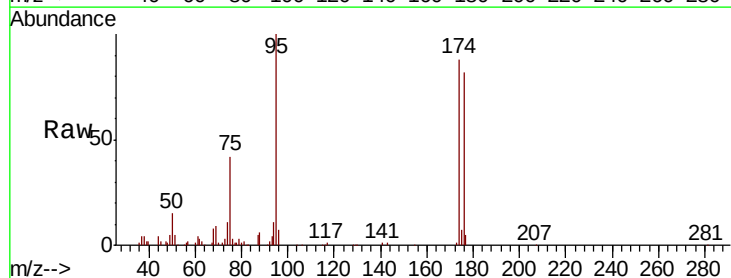
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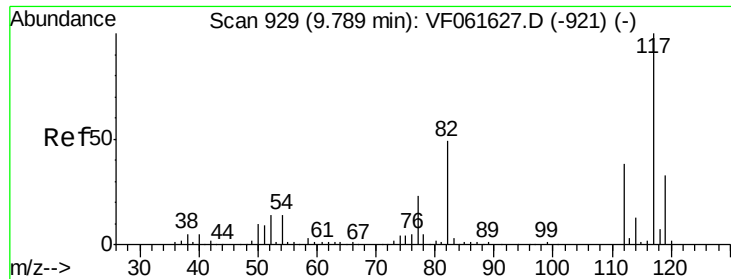
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#62  
4-Bromofluorobenzene  
Concen: 41.433 ug/l  
RT: 11.40 min Scan# 1093  
Delta R.T. -0.01 min  
Lab File: VF061641.D  
Acq: 14 Feb 2019 15:34

Tgt Ion: 95 Resp: 72316  
Ion Ratio Lower Upper  
95 100  
174 87.9 0.0 165.8  
176 81.9 0.0 167.0





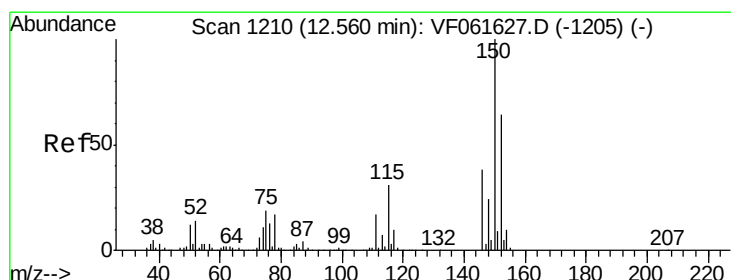
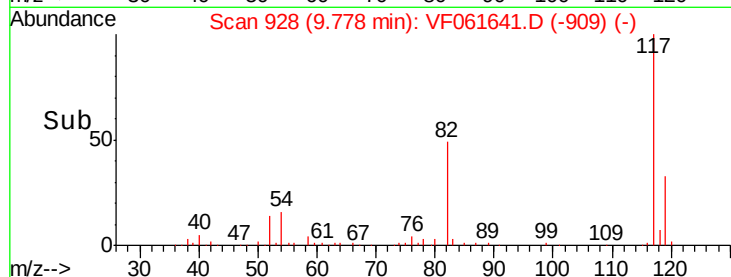
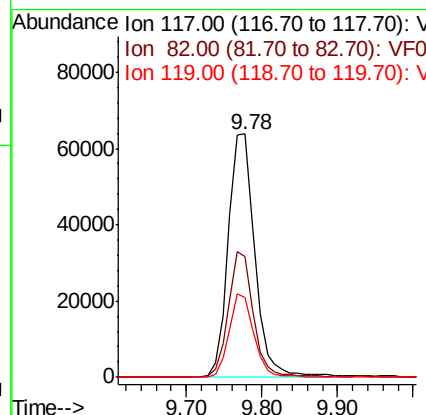
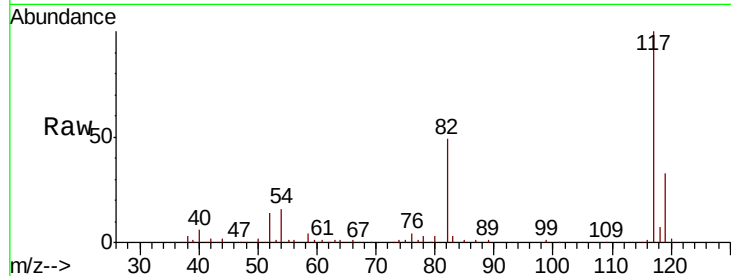
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.78 min Scan# 928  
Delta R.T. -0.01 min  
Lab File: VF061641.D  
Acq: 14 Feb 2019 15:34

Instrument :  
MSVOA\_F  
ClientSampleId :  
EO-02-021319-C

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 156074 |       |       |
| 82      | 49.4  | 39.3   | 58.9  |       |
| 119     | 32.9  | 26.6   | 40.0  |       |

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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.55 min Scan# 1209  
Delta R.T. -0.01 min  
Lab File: VF061641.D  
Acq: 14 Feb 2019 15:34

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 152     | 100   | 72980 |       |       |
| 115     | 51.4  | 24.3  | 72.8  |       |
| 150     | 152.2 | 0.0   | 312.0 |       |

