

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042619\  
 Data File : VF062305.D  
 Acq On : 26 Apr 2019 15:07  
 Operator : FY/SY  
 Sample : K2582-02  
 Misc : 5.38g/5mL/MSVOA F/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 SSSI-0419-S-DH-6-T

Quant Time: Apr 27 01:03:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82F042419S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 25 08:40:59 2019  
 Response via : Initial Calibration

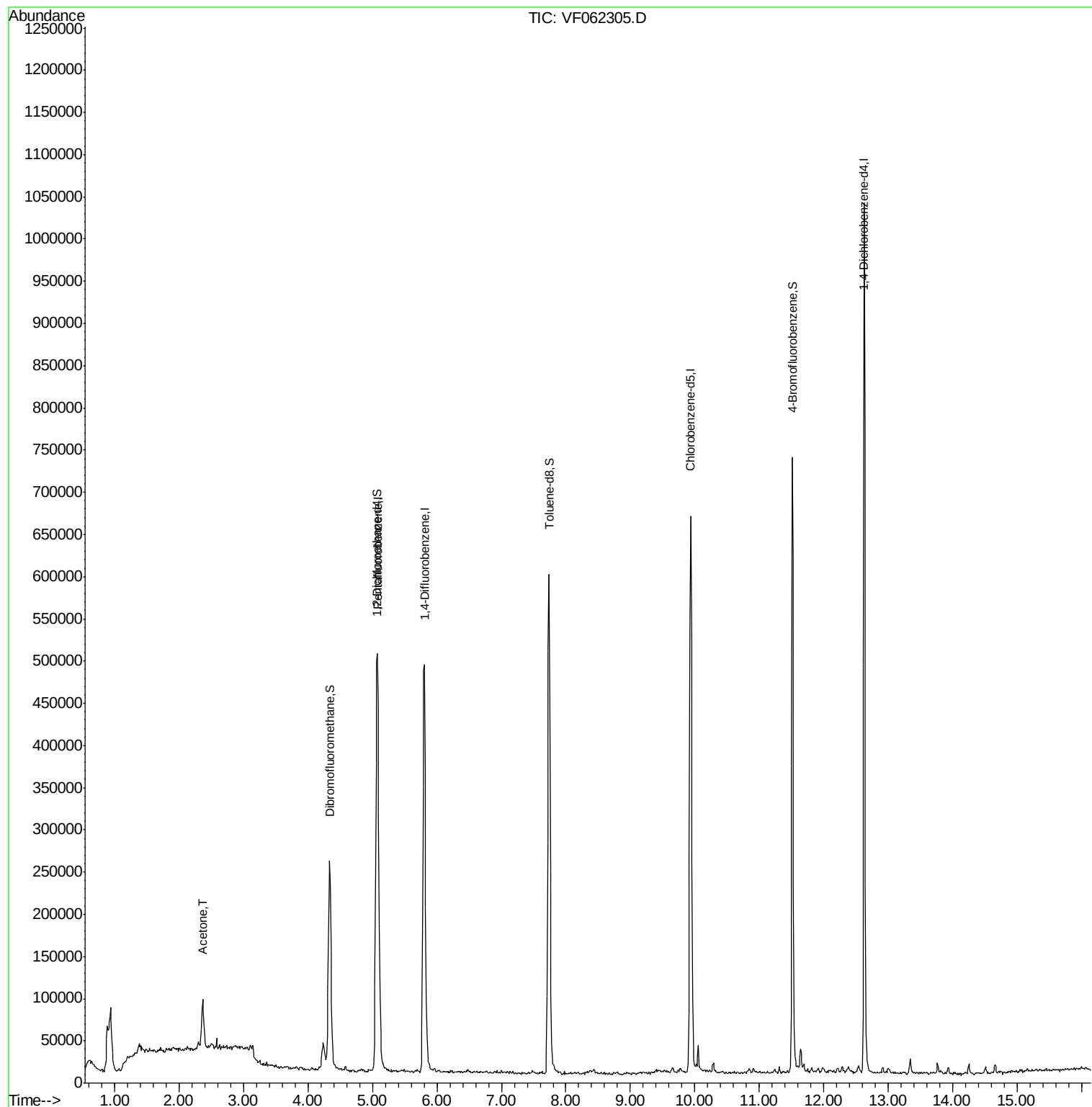
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|---------|---------|-----------|
| 1) Pentafluorobenzene       | 5.09  | 168  | 416360   | 50.00   | ug/l    | 0.02      |
| 34) 1,4-Difluorobenzene     | 5.81  | 114  | 584110   | 50.00   | ug/l    | 0.02      |
| 63) Chlorobenzene-d5        | 9.94  | 117  | 492456   | 50.00   | ug/l    | 0.02      |
| 72) 1,4-Dichlorobenzene-d4  | 12.63 | 152  | 277774   | 50.00   | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |         |         |           |
| 33) 1,2-Dichloroethane-d4   | 5.06  | 65   | 198952   | 58.99   | ug/l    | 0.02      |
| Spiked Amount 50.000        |       |      | Recovery | =       | 117.98% |           |
| 35) Dibromofluoromethane    | 4.34  | 113  | 236994   | 54.72   | ug/l    | 0.02      |
| Spiked Amount 50.000        |       |      | Recovery | =       | 109.44% |           |
| 50) Toluene-d8              | 7.74  | 98   | 503331   | 47.58   | ug/l    | 0.02      |
| Spiked Amount 50.000        |       |      | Recovery | =       | 95.16%  |           |
| 62) 4-Bromofluorobenzene    | 11.51 | 95   | 245338   | 56.27   | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =       | 112.54% |           |
| Target Compounds            |       |      |          |         |         |           |
| 16) Acetone                 | 2.37  | 43   | 88176    | 116.773 | ug/l    | Qvalue 97 |

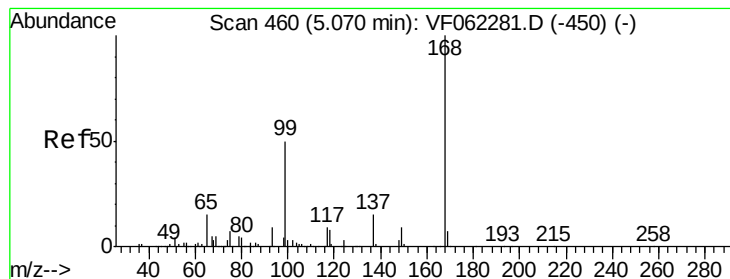
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SSSI-0419-S-DH-6-T

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Quant Title : SW846 8260  
QLast Update : Thu Apr 25 08:40:59 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.09 min Scan# 462

Delta R.T. 0.02 min

Lab File: VF062305.D

Acq: 26 Apr 2019 15:07

Instrument :

MSVOA\_F

ClientSampleId :

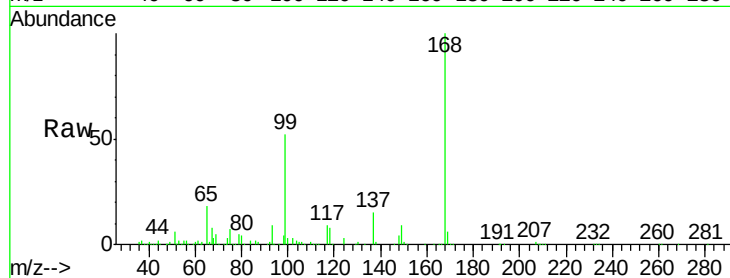
SSSI-0419-S-DH-6-T

Tot Ion:168 Resp: 416360

Ion Ratio Lower Upper

168 100

99 51.6 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.09

150000

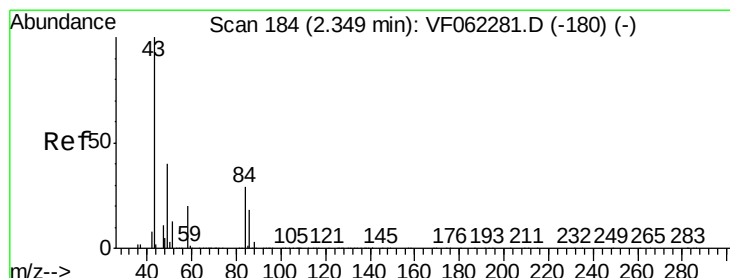
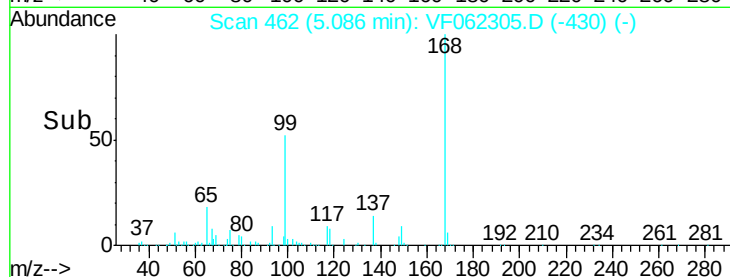
100000

50000

0

5.00 5.20 5.40

Time-->



#16

Acetone

Concen: 116.773 ug/l

RT: 2.37 min Scan# 186

Delta R.T. 0.02 min

Lab File: VF062305.D

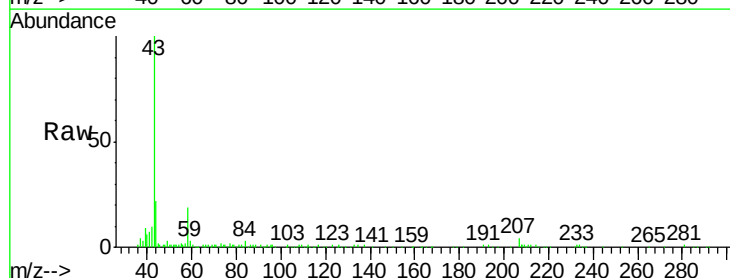
Acq: 26 Apr 2019 15:07

Tgt Ion: 43 Resp: 88176

Ion Ratio Lower Upper

43 100

58 19.3 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.37

40000

30000

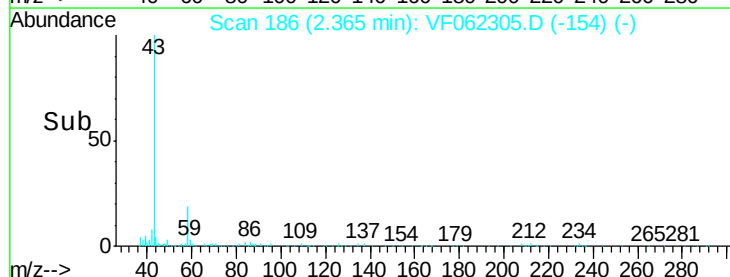
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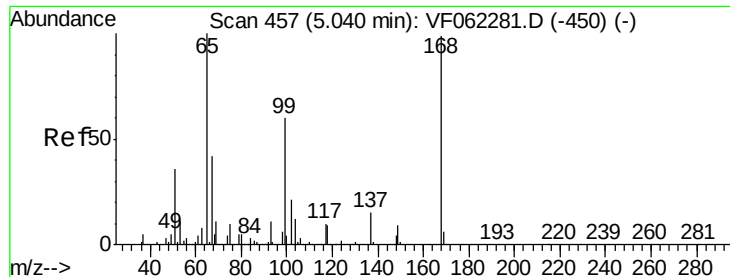
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0

2.30 2.35 2.40 2.45

Time-->

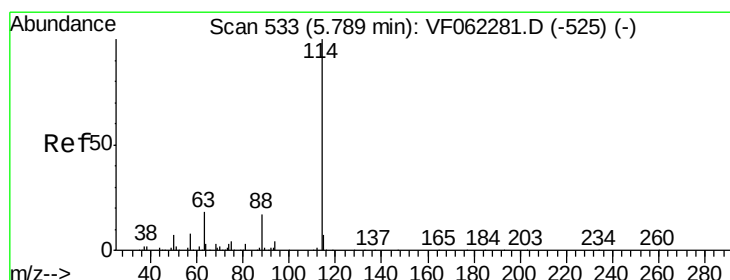
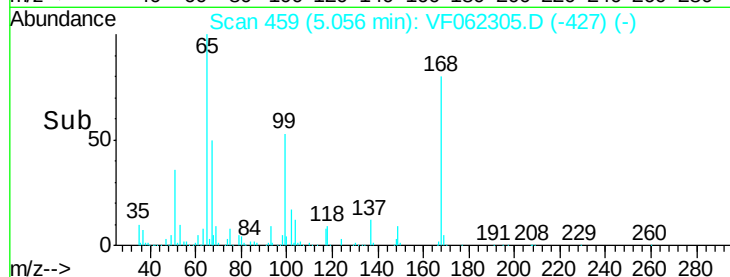
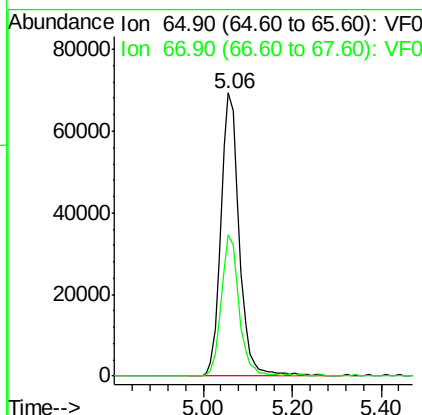
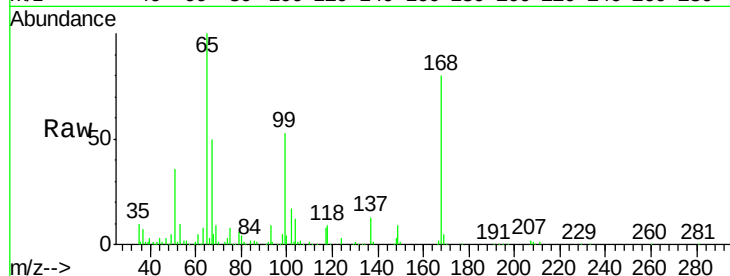




#33  
 1,2-Dichloroethane-d4  
 Concen: 58.991 ug/l  
 RT: 5.06 min Scan# 459  
 Delta R.T. 0.02 min  
 Lab File: VF062305.D  
 Acq: 26 Apr 2019 15:07

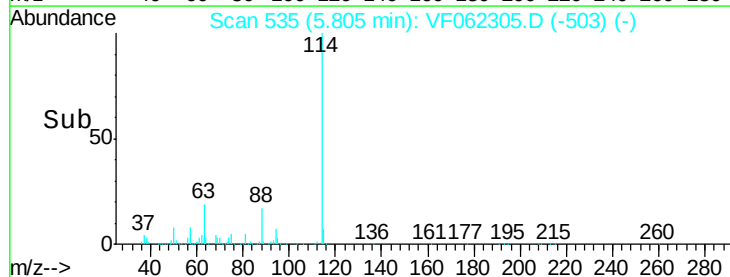
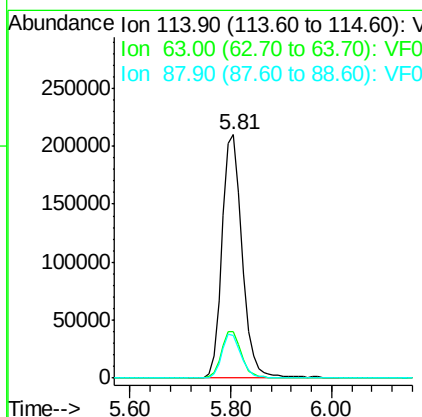
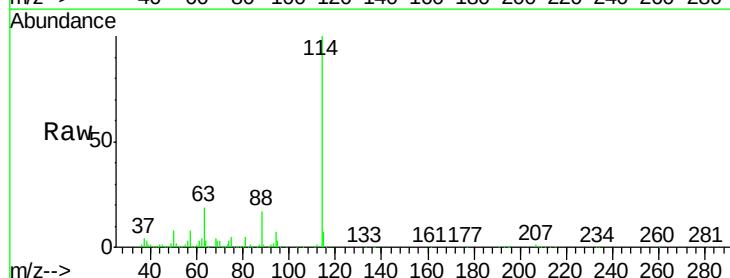
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 SSSI-0419-S-DH-6-T

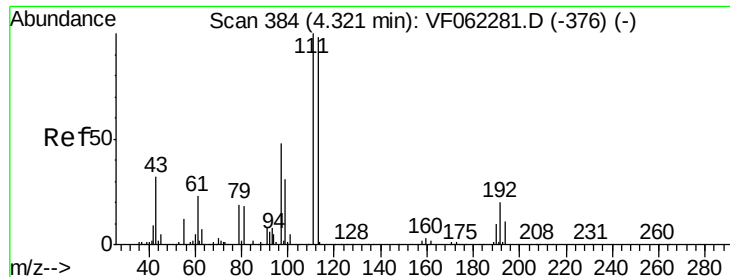
Tot Ion: 65 Resp: 198952  
 Ion Ratio Lower Upper  
 65 100  
 67 48.2 0.0 98.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.81 min Scan# 535  
 Delta R.T. 0.02 min  
 Lab File: VF062305.D  
 Acq: 26 Apr 2019 15:07

Tgt Ion: 114 Resp: 584110  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 35.6  
 88 17.4 0.0 34.6

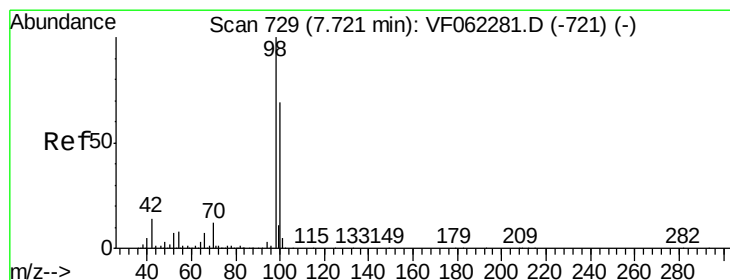
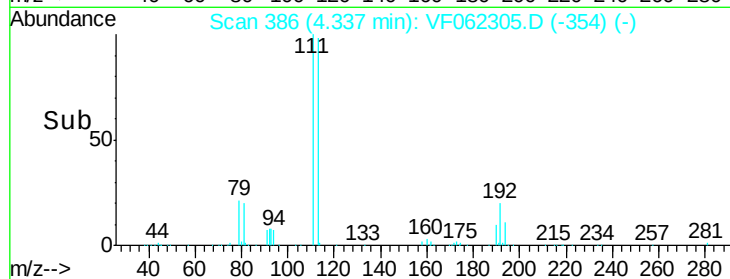
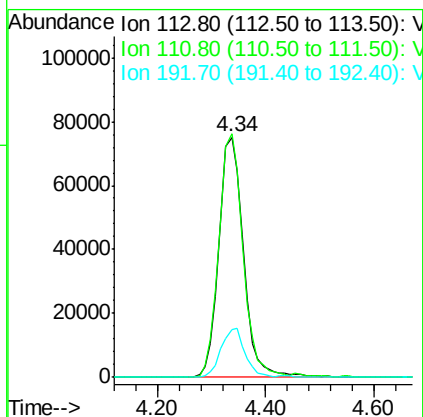
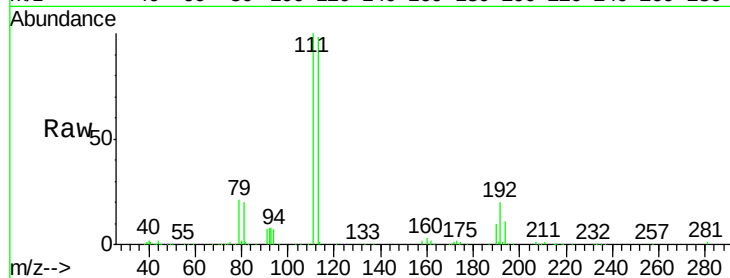




#35  
Dibromofluoromethane  
Concen: 54.722 ug/l  
RT: 4.34 min Scan# 386  
Delta R.T. 0.02 min  
Lab File: VF062305.D  
Acq: 26 Apr 2019 15:07

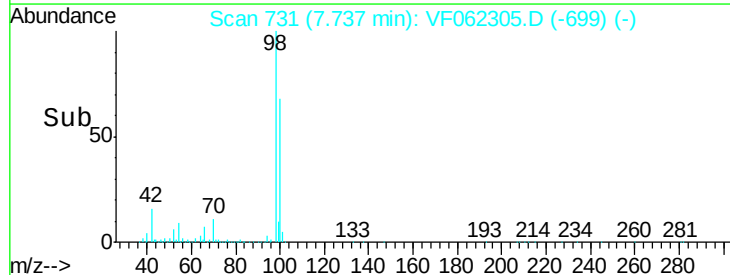
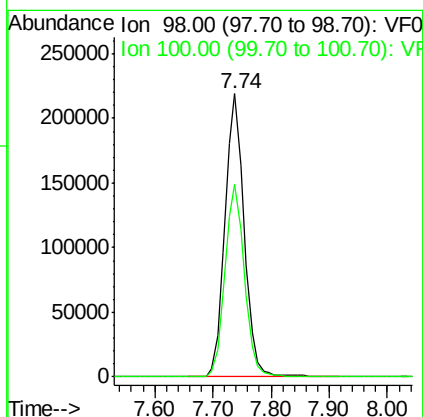
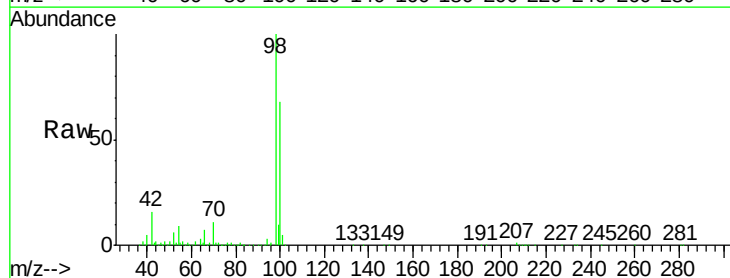
Instrument :  
MSVOA\_F  
ClientSampleId :  
SSSI-0419-S-DH-6-T

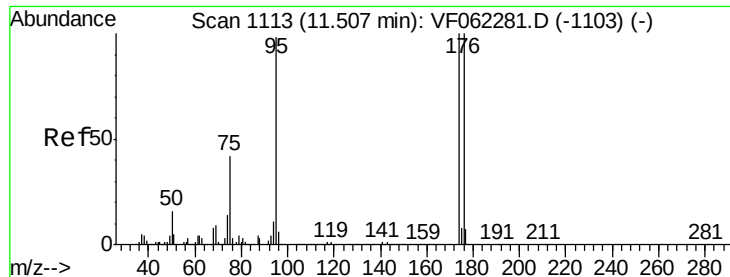
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 99.5  | 81.4  | 122.2 |
| 192     | 19.8  | 17.0  | 25.4  |



#50  
Toluene-d8  
Concen: 47.580 ug/l  
RT: 7.74 min Scan# 731  
Delta R.T. 0.02 min  
Lab File: VF062305.D  
Acq: 26 Apr 2019 15:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 68.7  | 54.4  | 81.6  |

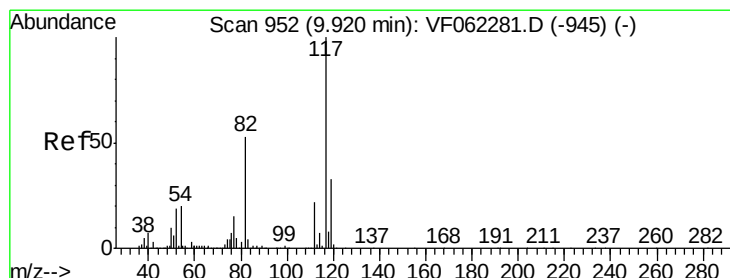
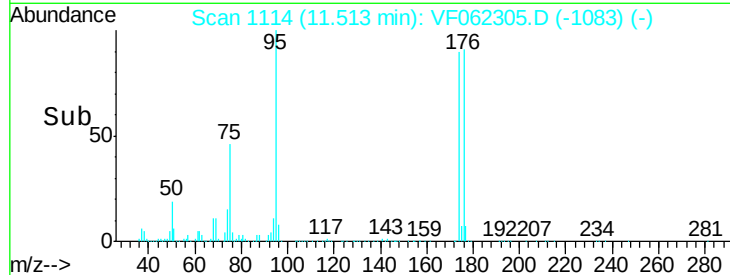
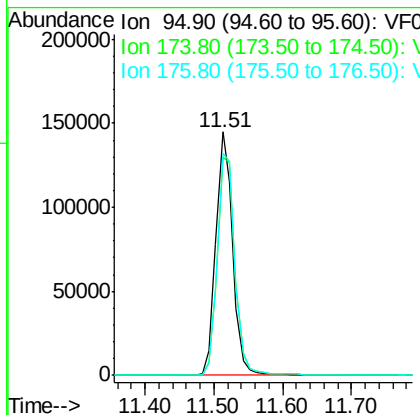
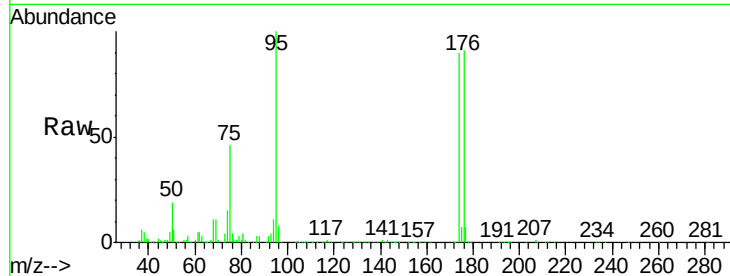




#62  
4-Bromofluorobenzene  
Concen: 56.266 ug/l  
RT: 11.51 min Scan# 1114  
Delta R.T. 0.01 min  
Lab File: VF062305.D  
Acq: 26 Apr 2019 15:07

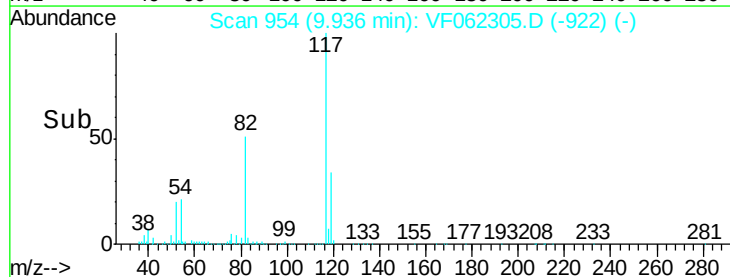
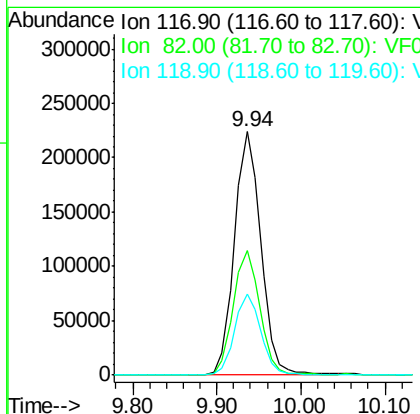
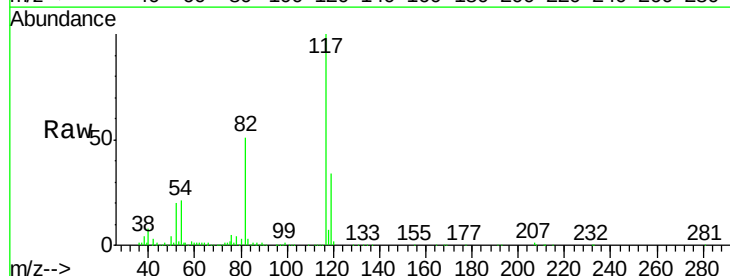
Instrument :  
MSVOA\_F  
ClientSampleId :  
SSSI-0419-S-DH-6-T

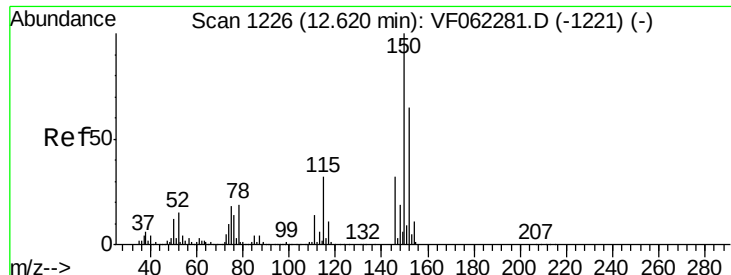
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 95.4  | 0.0   | 185.2 |
| 176     | 95.8  | 0.0   | 184.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.94 min Scan# 954  
Delta R.T. 0.02 min  
Lab File: VF062305.D  
Acq: 26 Apr 2019 15:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.0  | 42.6  | 64.0  |
| 119     | 33.5  | 26.1  | 39.1  |



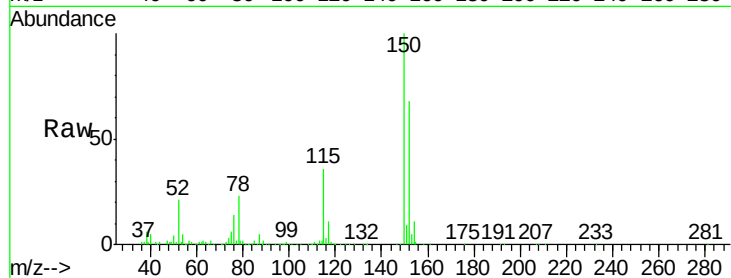


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.63 min Scan# 1227  
Delta R.T. 0.01 min  
Lab File: VF062305.D  
Acq: 26 Apr 2019 15:07

Instrument :  
MSVOA\_F  
ClientSampleId :  
SSSI-0419-S-DH-6-T

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 53.6  | 25.6  | 76.8  |
| 150     | 149.9 | 0.0   | 330.6 |



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

