

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\  
 Data File : VF059210.D  
 Acq On : 20 Jun 2018 3:03  
 Operator : VA/AP  
 Sample : J3249-01  
 Misc : 6.75u/5mL/MSVOA-F/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 PL-01-061818-A

Manual Integrations  
 APPROVED

apatel  
 6/20/2018 11:21:29 AM

Quant Time: Jun 20 06:00:11 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F060618S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 07 10:52:00 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.02  | 168  | 240777   | 50.00 | ug/l    | -0.02    |
| 34) 1,4-Difluorobenzene     | 5.75  | 114  | 367962   | 50.00 | ug/l    | -0.01    |
| 63) Chlorobenzene-d5        | 9.91  | 117  | 354408   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.63 | 152  | 200220   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.00  | 65   | 174023   | 59.59 | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 119.18% |          |
| 35) Dibromofluoromethane    | 4.27  | 113  | 155832   | 60.36 | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 120.72% |          |
| 50) Toluene-d8              | 7.70  | 98   | 322372   | 42.50 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 85.00%  |          |
| 62) 4-Bromofluorobenzene    | 11.51 | 95   | 190099   | 48.86 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.72%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 20) Methylene Chloride      | 2.29  | 84   | 12702m   | 7.61  | ug/l    | Qvalue   |
| 59) 2-Hexanone              | 9.63  | 43   | 13683m   | 8.55  | ug/l    |          |
| 95) Naphthalene             | 14.52 | 128  | 20068    | 2.16  | ug/l #  | 70       |

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

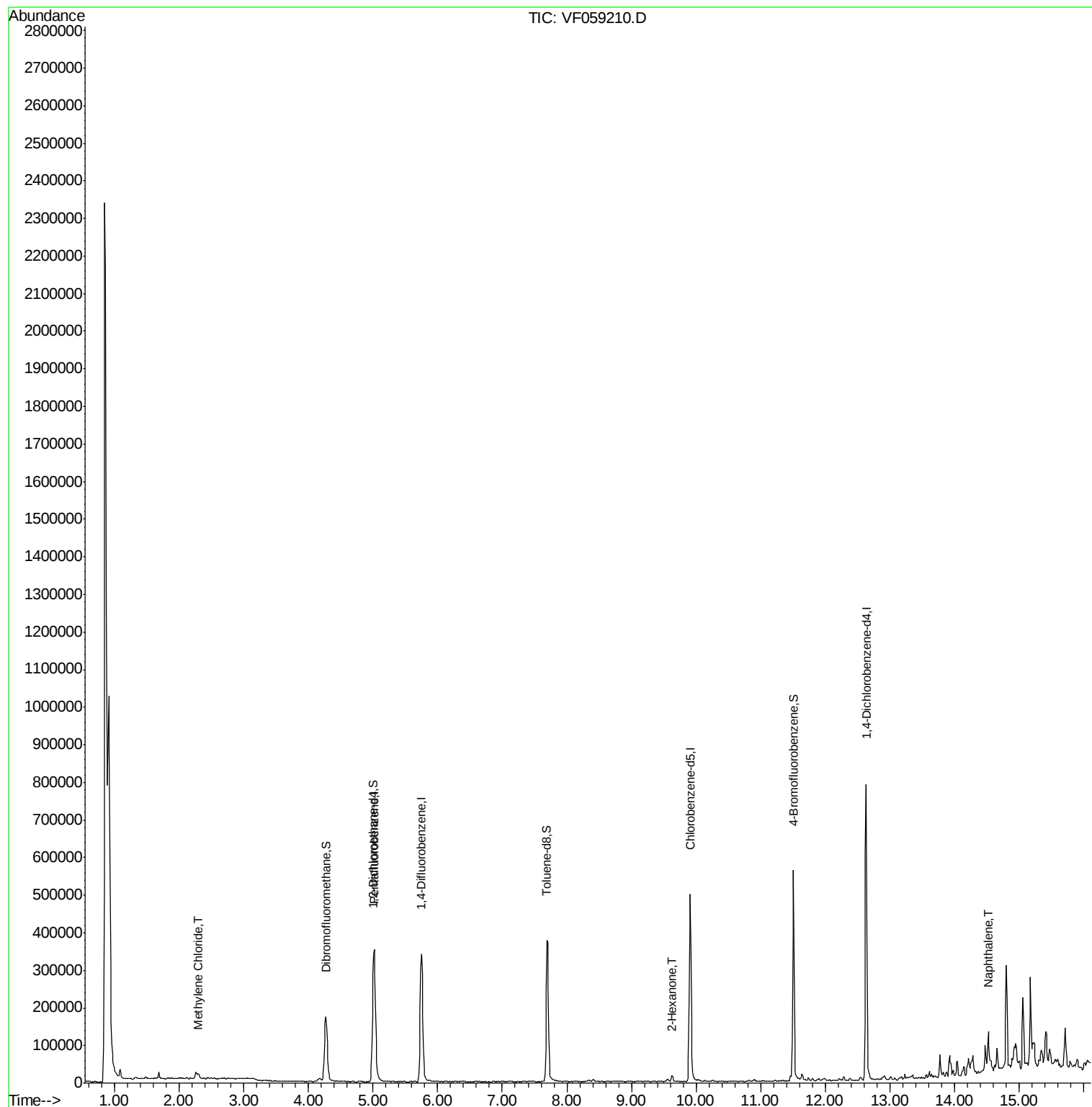
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061918\  
Data File : VF059210.D  
Acq On : 20 Jun 2018 3:03  
Operator : VA/AP  
Sample : J3249-01  
Misc : 6.75g/5mL/MSVOA-F/SOIL  
ALS Vial : 25 Sample Multiplier: 1

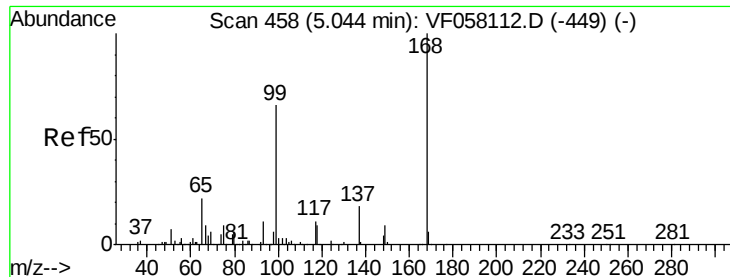
Instrument :  
MSVOA\_F  
ClientSampleId :  
PL-01-061818-A

Manual Integrations  
APPROVED

apatel  
6/20/2018 11:21:29 AM

Quant Time: Jun 20 06:00:11 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F060618S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 07 10:52:00 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF059210.D

Acq: 20 Jun 2018 3:03

Instrument :

MSVOA\_F

ClientSampleId :

PL-01-061818-A

Tot Ion:168 Resp: 240777

Ion Ratio Lower Upper

168 100

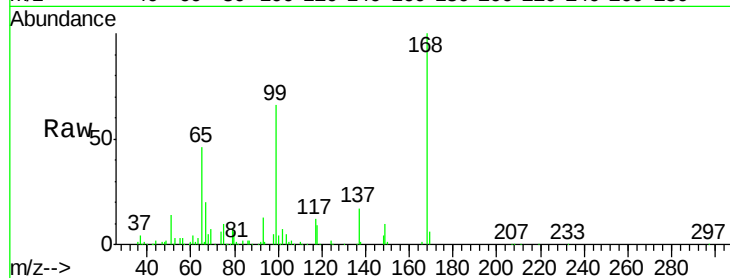
99 66.2 52.9 79.3

Manual Integrations

APPROVED

apatel

6/20/2018 11:21:29 AM



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

40000

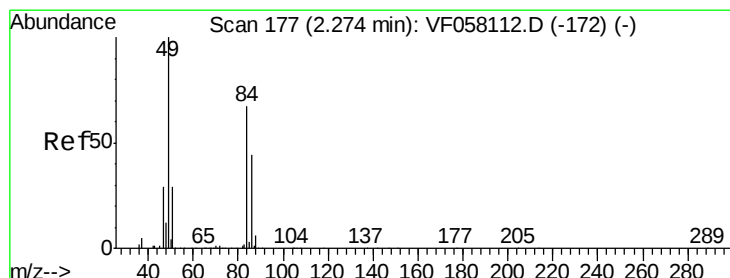
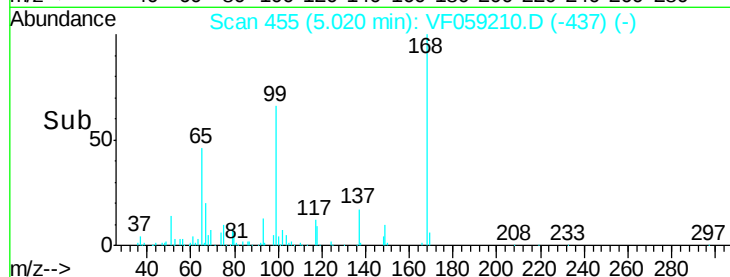
20000

0

Time-->

4.90 5.00 5.10 5.20 5.30

5.02



#20

Methylene Chloride

Concen: 7.61 ug/l m

RT: 2.29 min Scan# 178

Delta R.T. 0.02 min

Lab File: VF059210.D

Acq: 20 Jun 2018 3:03

Tgt Ion: 84 Resp: 12702

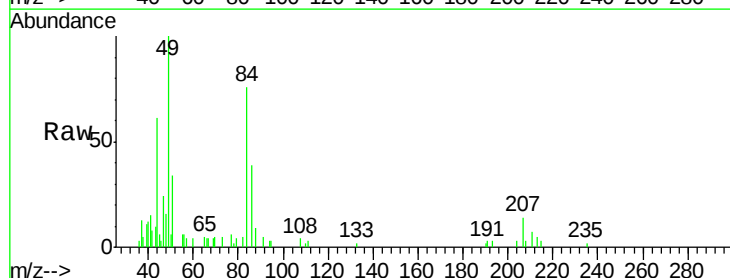
Ion Ratio Lower Upper

84 100

49 131.0 121.0 181.4

51 45.0 35.8 53.6

86 51.0 53.2 79.8#



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

8000

6000

4000

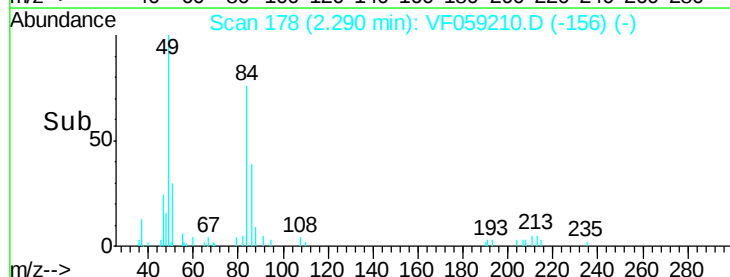
2000

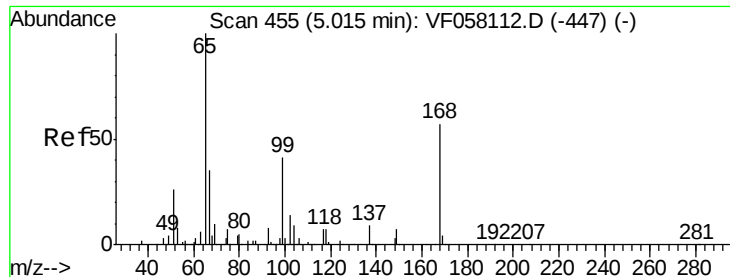
0

Time-->

2.20 2.30 2.40

2.29





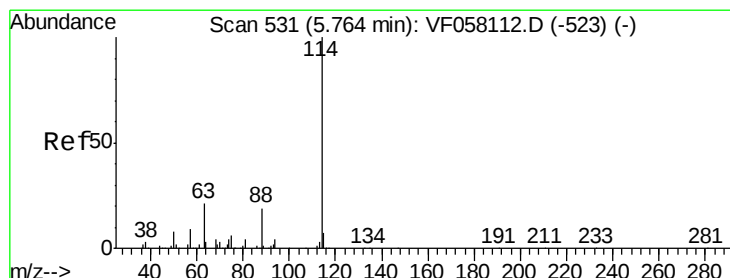
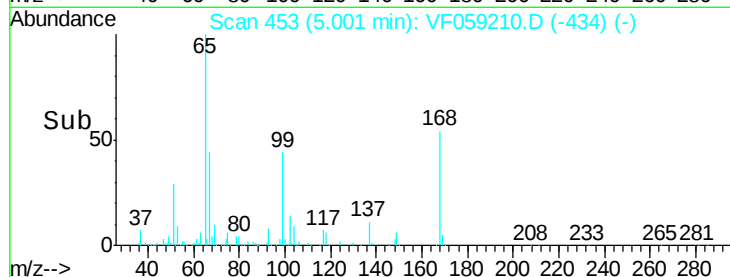
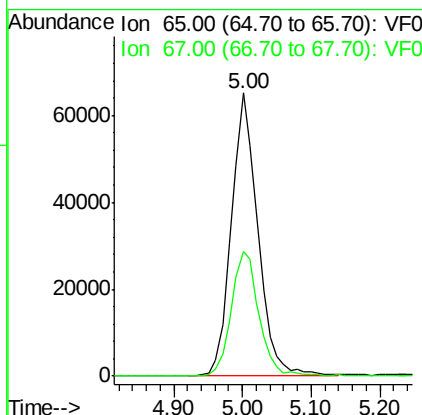
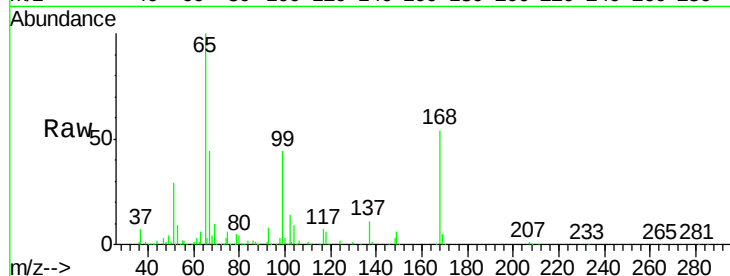
#33  
 1,2-Dichloroethane-d4  
 Concen: 59.59 ug/l  
 RT: 5.00 min Scan# 453  
 Delta R.T. -0.01 min  
 Lab File: VF059210.D  
 Acq: 20 Jun 2018 3:03

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 PL-01-061818-A

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 174023 |       |       |
| 67      | 44.1  | 0.0    | 97.0  |       |

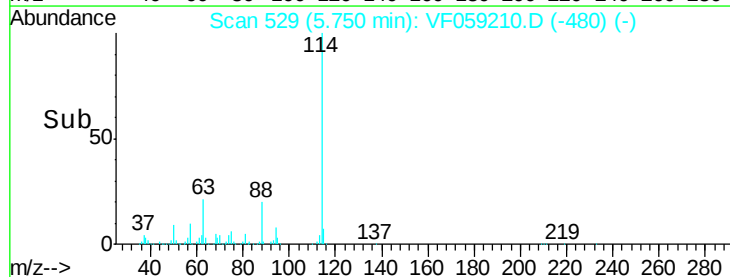
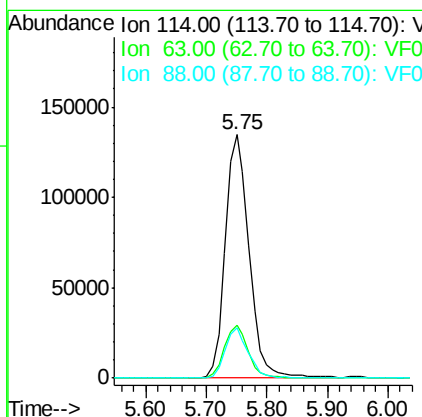
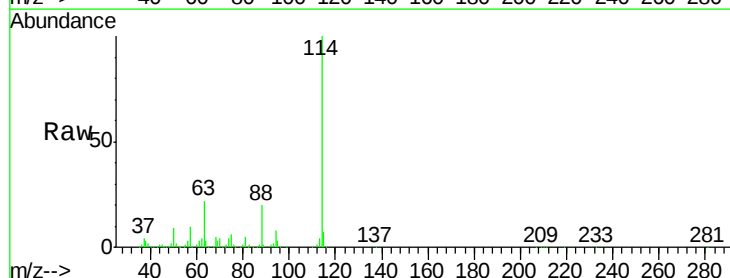
Manual Integrations  
 APPROVED

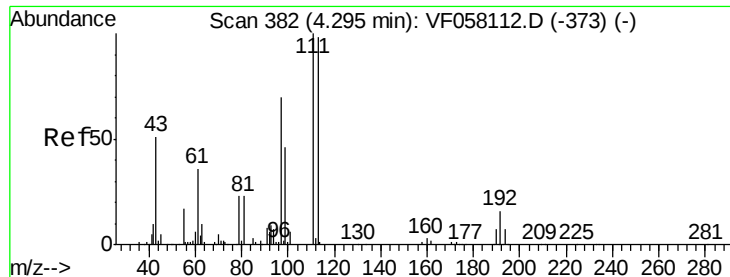
apatel  
 6/20/2018 11:21:29 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.75 min Scan# 529  
 Delta R.T. -0.01 min  
 Lab File: VF059210.D  
 Acq: 20 Jun 2018 3:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 367962 |       |       |
| 63      | 21.5  | 0.0    | 41.6  |       |
| 88      | 20.5  | 0.0    | 38.8  |       |





#35

Dibromofluoromethane

Concen: 60.36 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.02 min

Lab File: VF059210.D

Acq: 20 Jun 2018 3:03

Instrument :

MSVOA\_F

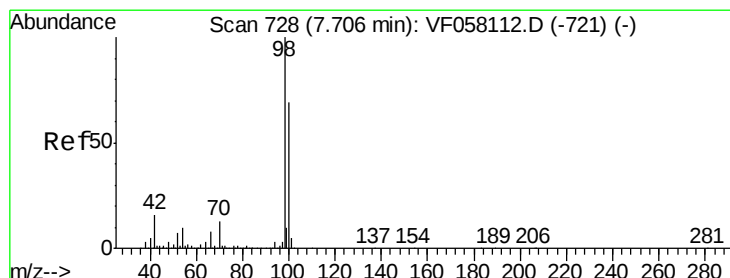
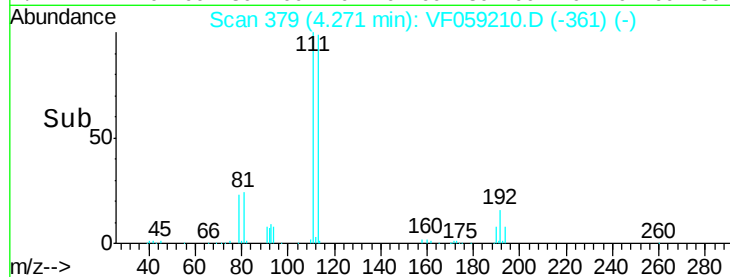
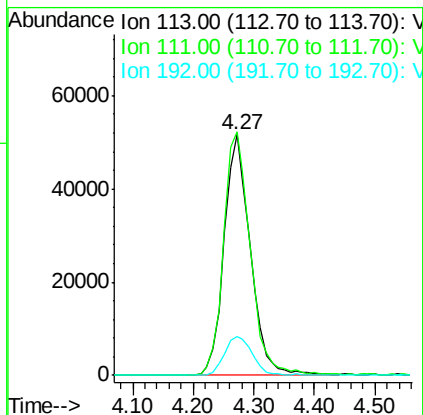
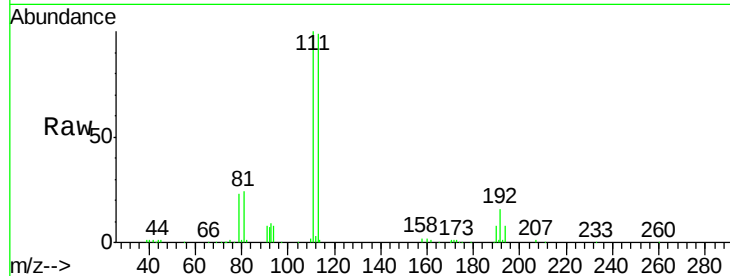
ClientSampleId :

PL-01-061818-A

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 155832 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.1 | 81.3  | 121.9  |
| 192       | 16.1  | 12.7  | 19.1   |

Manual Integrations  
APPROVED

apatel  
6/20/2018 11:21:29 AM



#50

Toluene-d8

Concen: 42.50 ug/l

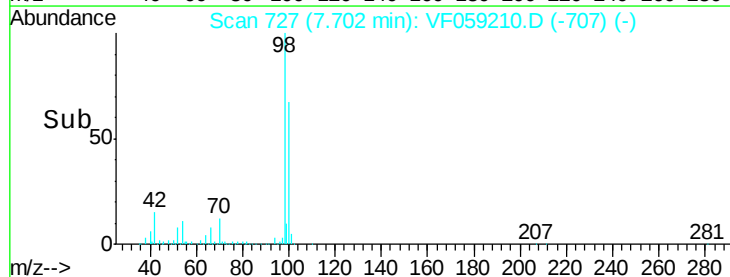
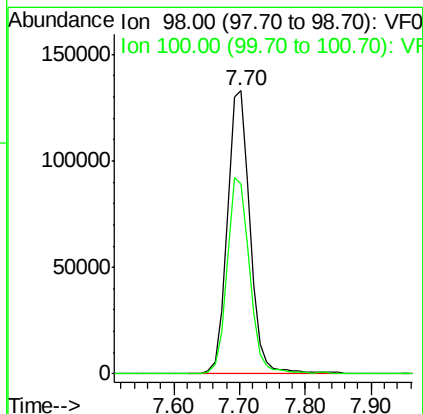
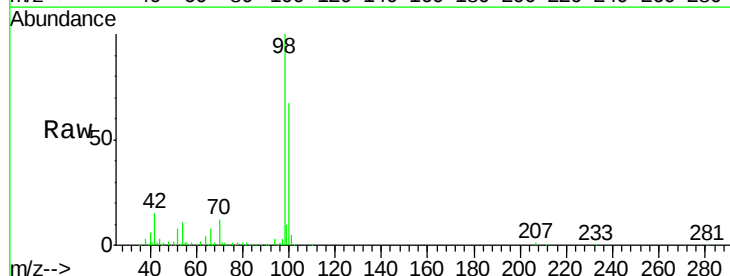
RT: 7.70 min Scan# 727

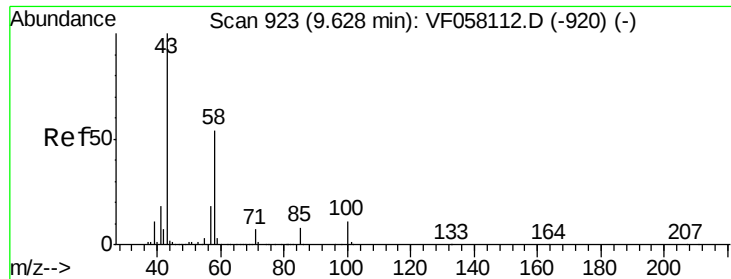
Delta R.T. -0.00 min

Lab File: VF059210.D

Acq: 20 Jun 2018 3:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 98    | Resp: | 322372 |
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 66.9  | 55.6  | 83.4   |





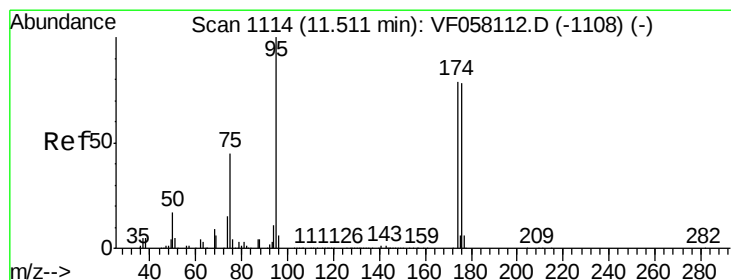
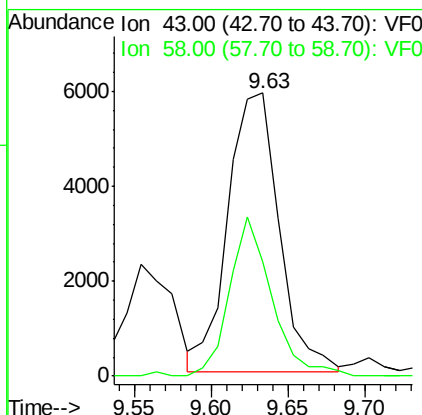
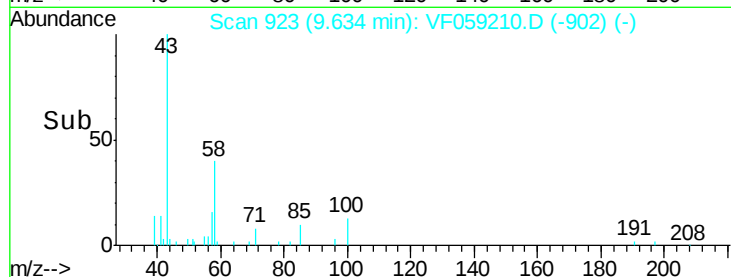
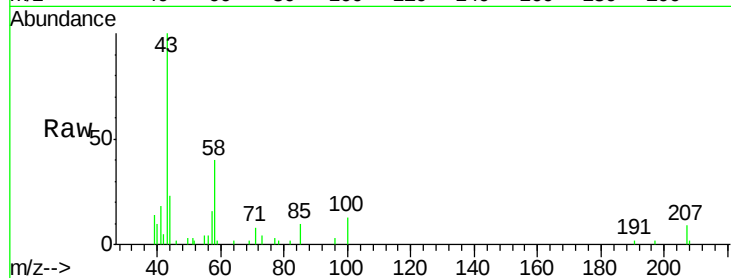
#59  
2-Hexanone  
Concen: 8.55 ug/l m  
RT: 9.63 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VF059210.D  
Acq: 20 Jun 2018 3:03

Instrument :  
MSVOA\_F  
ClientSampleId :  
PL-01-061818-A

Tot Ion: 43 Resp: 13683  
Ion Ratio Lower Upper  
43 100  
58 40.4 26.3 78.8

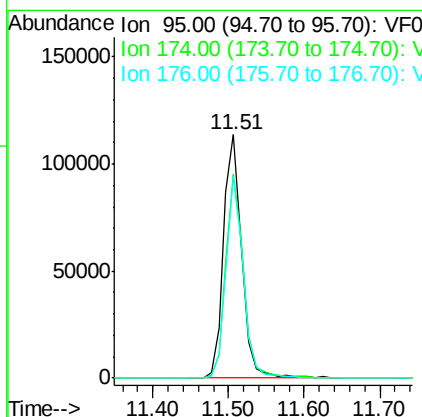
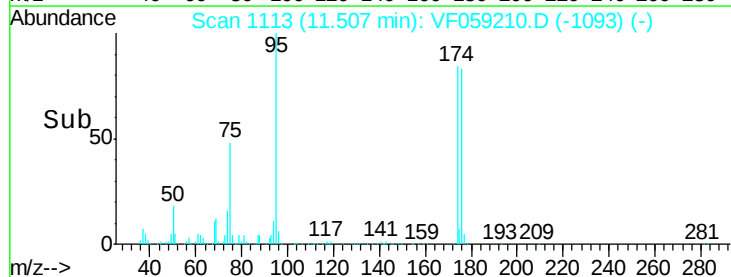
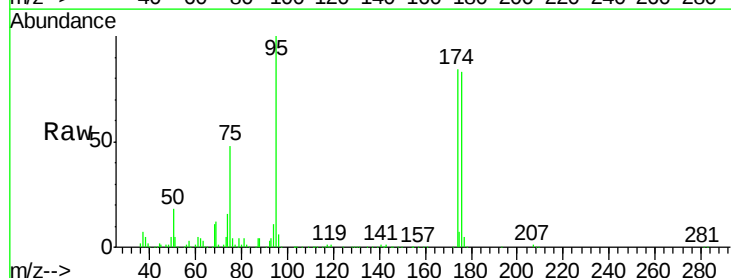
Manual Integrations  
APPROVED

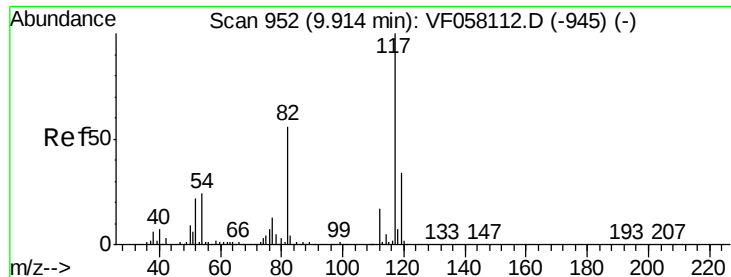
apatel  
6/20/2018 11:21:29 AM



#62  
4-Bromofluorobenzene  
Concen: 48.86 ug/l  
RT: 11.51 min Scan# 1113  
Delta R.T. -0.00 min  
Lab File: VF059210.D  
Acq: 20 Jun 2018 3:03

Tgt Ion: 95 Resp: 190099  
Ion Ratio Lower Upper  
95 100  
174 83.9 0.0 157.8  
176 82.6 0.0 155.8





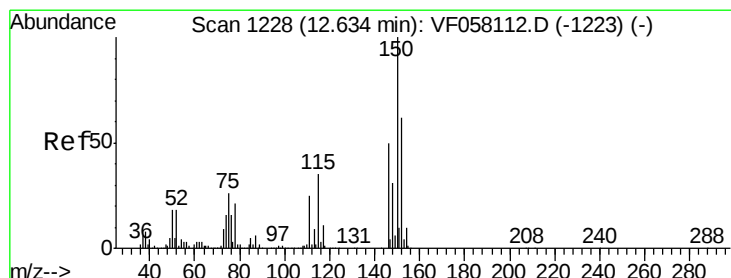
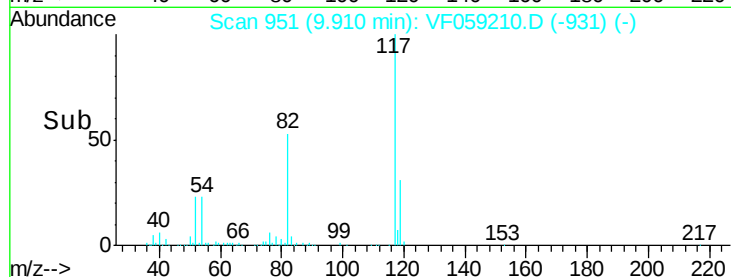
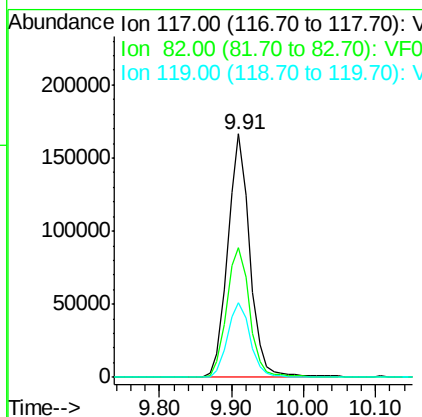
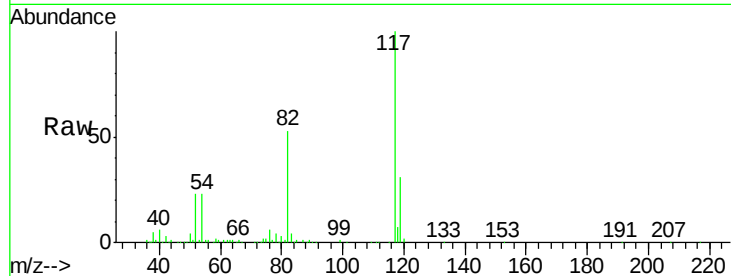
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.91 min Scan# 951  
Delta R.T. -0.00 min  
Lab File: VF059210.D  
Acq: 20 Jun 2018 3:03

Instrument :  
MSVOA\_F  
ClientSampleId :  
PL-01-061818-A

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 354408 |       |       |
| 82      | 53.5  | 45.2   | 67.8  |       |
| 119     | 30.6  | 27.5   | 41.3  |       |

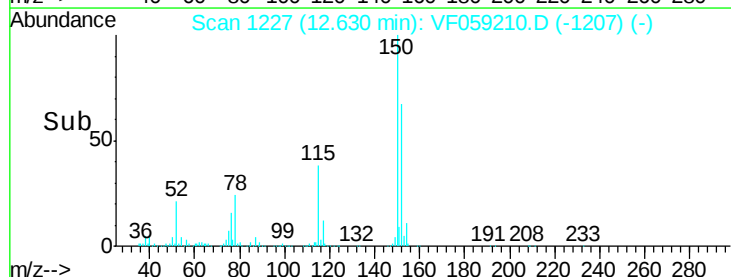
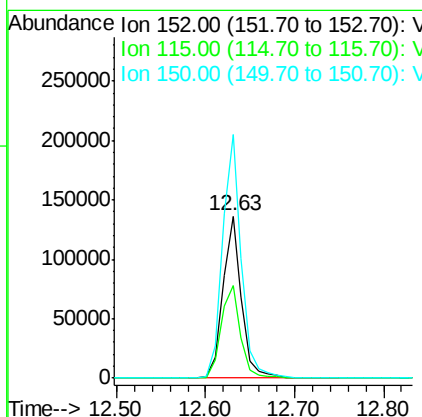
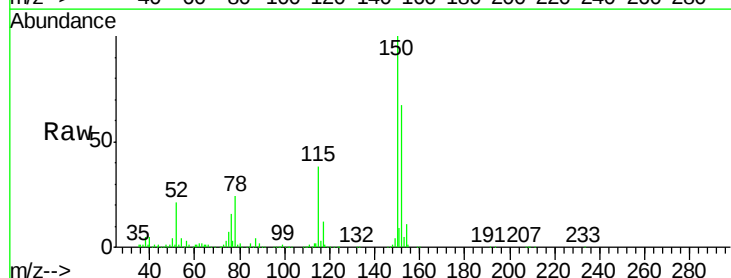
Manual Integrations  
APPROVED

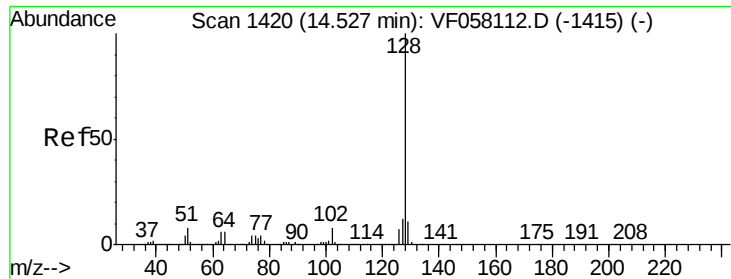
apatel  
6/20/2018 11:21:29 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.63 min Scan# 1227  
Delta R.T. -0.00 min  
Lab File: VF059210.D  
Acq: 20 Jun 2018 3:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 200220 |       |       |
| 115     | 56.8  | 28.5   | 85.5  |       |
| 150     | 150.3 | 0.0    | 323.8 |       |





#95  
Naphthalene  
Concen: 2.16 ug/l  
RT: 14.52 min Scan# 1419  
Delta R.T. -0.00 min  
Lab File: VF059210.D  
Acq: 20 Jun 2018 3:03

Instrument :  
MSVOA\_F  
ClientSampleId :  
PL-01-061818-A

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 128     | 100   |            |       |
| 127     | 16.6  | 9.9        | 14.9# |
| 129     | 30.4  | 8.7        | 13.1# |

Manual Integrations  
APPROVED

apatel  
6/20/2018 11:21:29 AM

