

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\  
 Data File : VF062786.D  
 Acq On : 29 May 2019 17:14  
 Operator : FY/SY  
 Sample : K2642-07RE  
 Misc : 6.04g/5mL/MSVOA F/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 OK-02-052919RE

Manual Integrations  
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 5/30/2019 11:02:53 AM

Quant Time: May 30 09:11:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F051619S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 05:49:09 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.08  | 168  | 778712   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.80  | 114  | 1392556  | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.93  | 117  | 1066825  | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.63 | 152  | 438411   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.06  | 65   | 238405   | 43.32  | ug/l   | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.64% |          |
| 35) Dibromofluoromethane    | 4.33  | 113  | 447706   | 42.01  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 84.02% |          |
| 50) Toluene-d8              | 7.73  | 98   | 1022208  | 40.18  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 80.36% |          |
| 62) 4-Bromofluorobenzene    | 11.50 | 95   | 353997   | 36.69  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 73.38% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 2.37  | 43   | 47138m   | 33.019 | ug/l   | Qvalue   |
| 20) Methylene Chloride      | 2.35  | 84   | 22843m   | 3.192  | ug/l   |          |

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

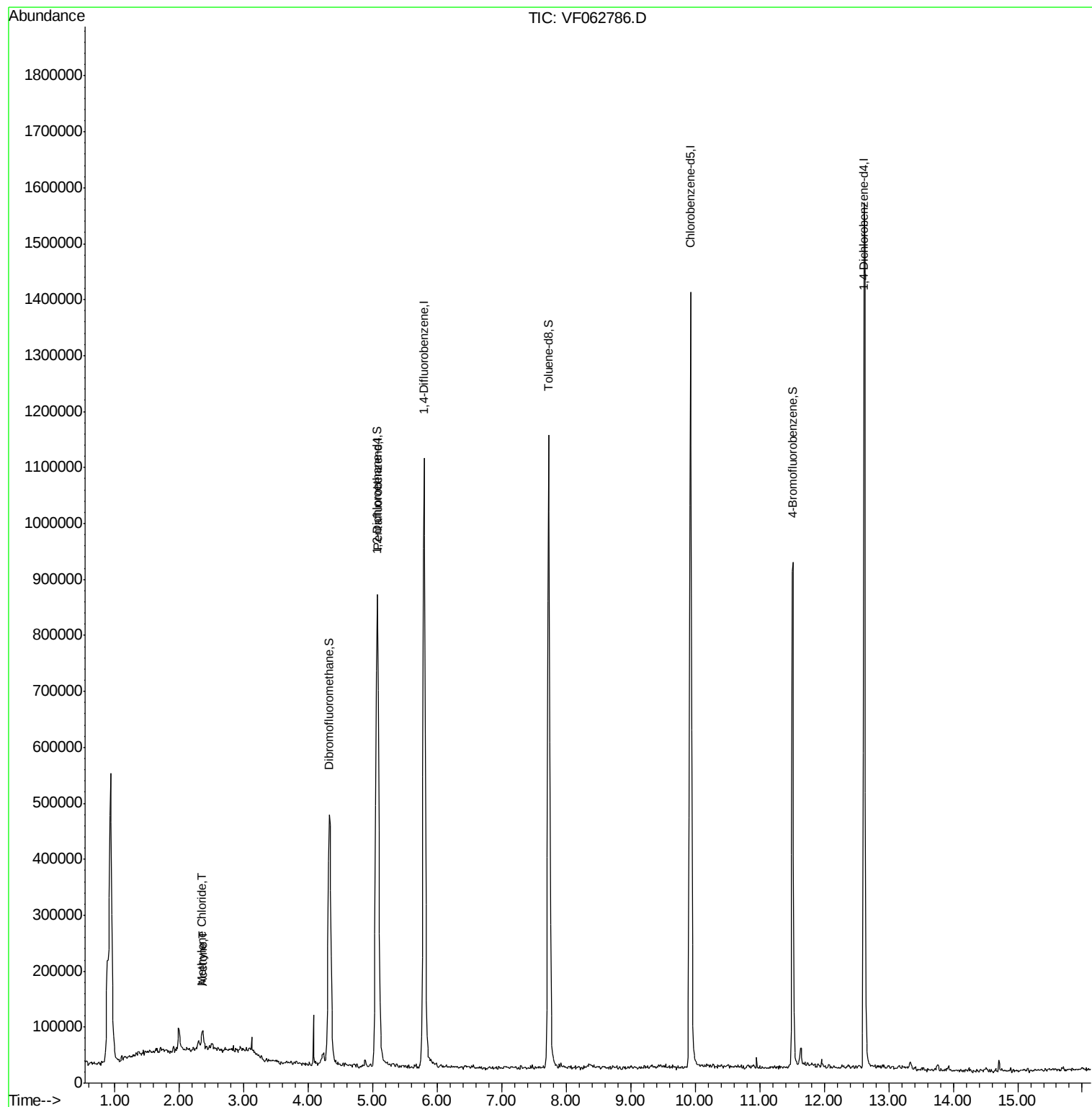
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052919\  
Data File : VF062786.D  
Acq On : 29 May 2019 17:14  
Operator : FY/SY  
Sample : K2642-07RE  
Misc : 6.04q/5mL/MSVOA F/SOIL  
ALS Vial : 15 Sample Multiplier: 1

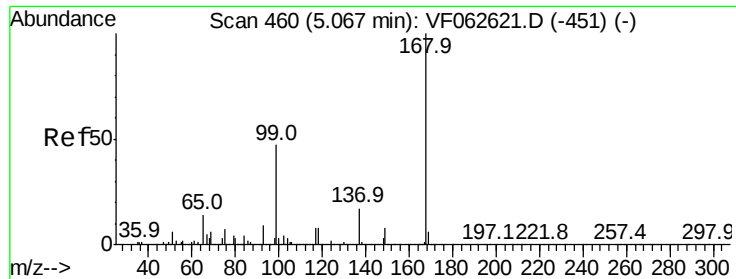
Instrument :  
MSVOA\_F  
ClientSampleId :  
OK-02-052919RE

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Quant Time: May 30 09:11:25 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F051619S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 17 05:49:09 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062786.D

Acq: 29 May 2019 17:14

Instrument :

MSVOA\_F

ClientSampleId :

OK-02-052919RE

Tot Ion:168 Resp: 778712

Ion Ratio Lower Upper

168 100

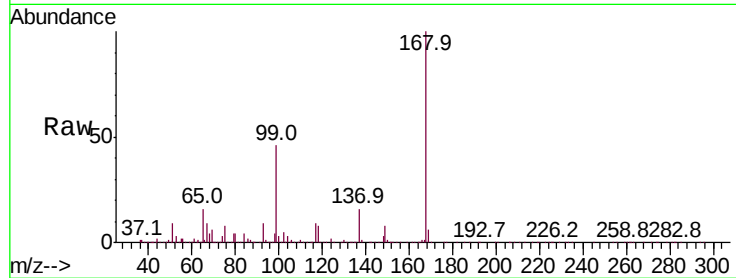
99 45.6 37.8 56.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

300000

250000

200000

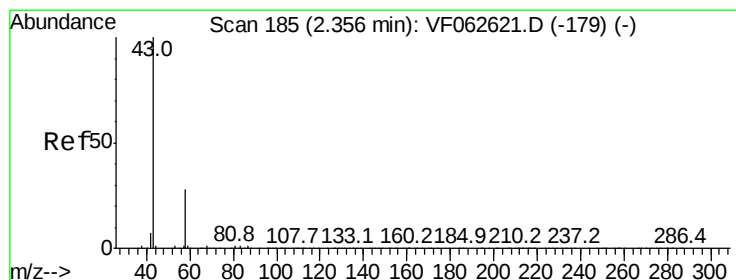
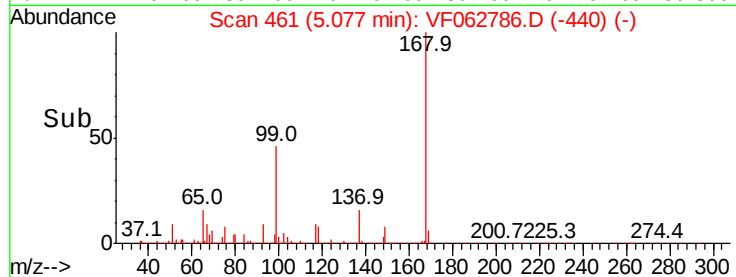
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 33.019 ug/l m

RT: 2.37 min Scan# 186

Delta R.T. 0.01 min

Lab File: VF062786.D

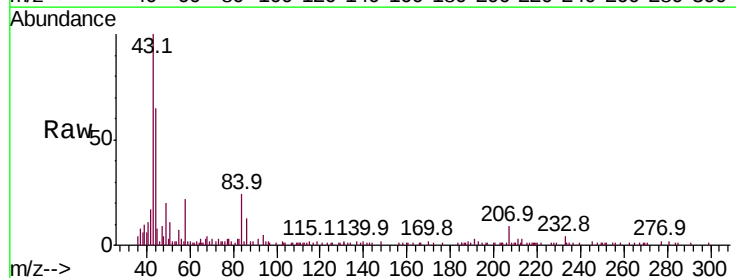
Acq: 29 May 2019 17:14

Tgt Ion: 43 Resp: 47138

Ion Ratio Lower Upper

43 100

58 22.2 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.37

20000

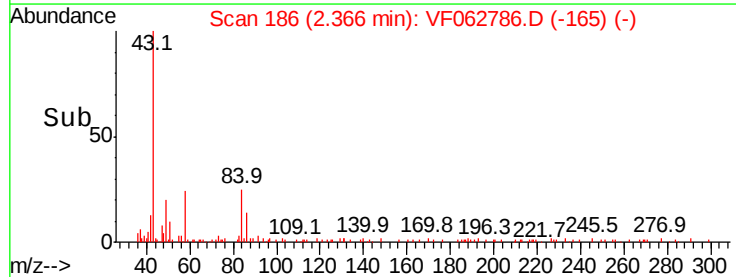
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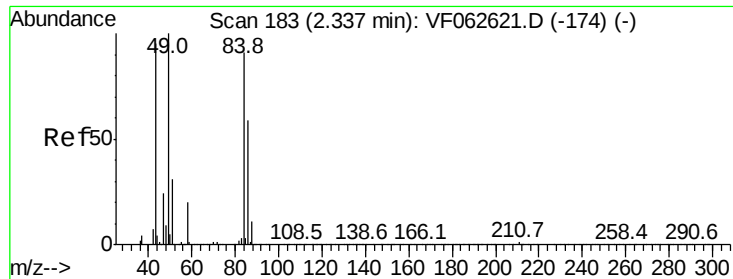
10000

5000

0

Time-->





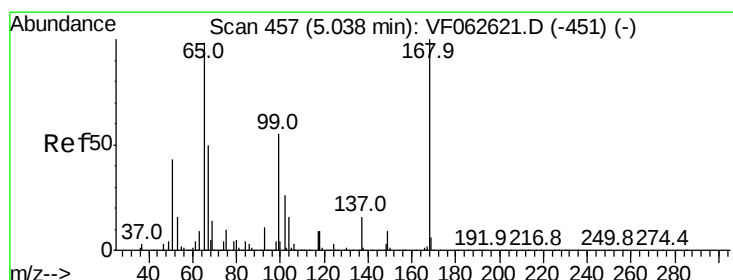
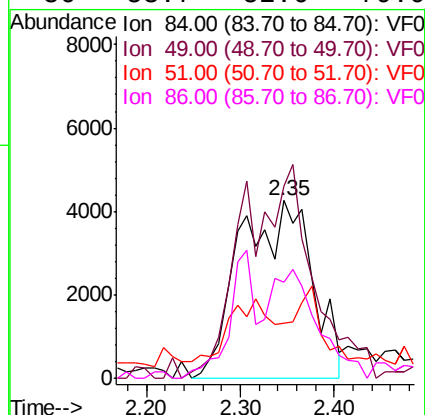
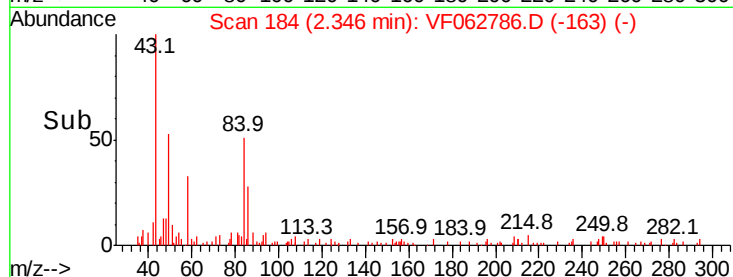
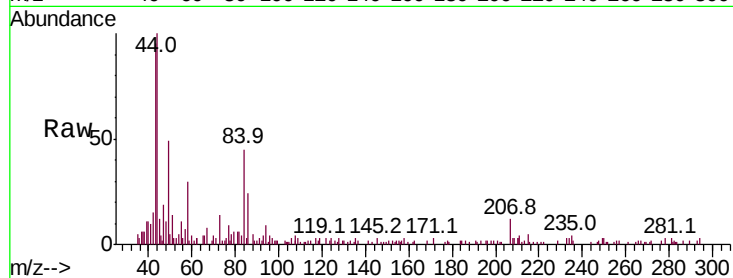
#20  
Methvlene Chloride  
Concen: 3.192 ug/l m  
RT: 2.35 min Scan# 184  
Delta R.T. 0.01 min  
Lab File: VF062786.D  
Acq: 29 May 2019 17:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
OK-02-052919RE

| Tot Ion | 84    | Resp  | 22843 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 84      | 100   |       |       |
| 49      | 108.1 | 89.8  | 134.8 |
| 51      | 30.8  | 28.4  | 42.6  |
| 86      | 53.7  | 52.6  | 79.0  |

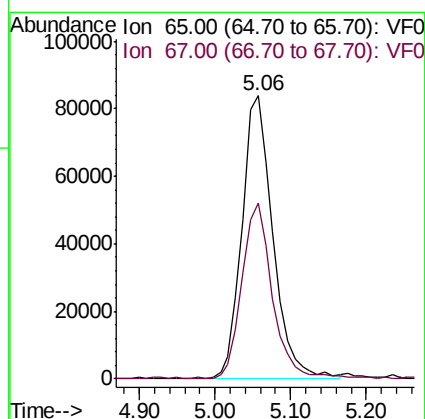
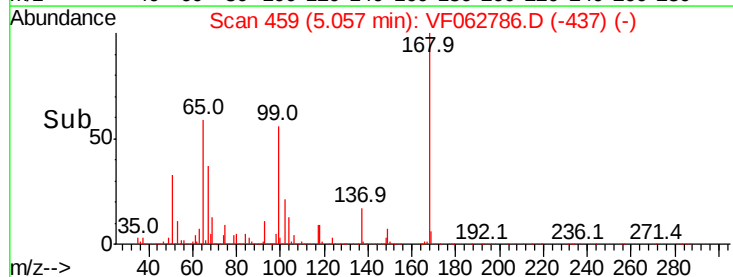
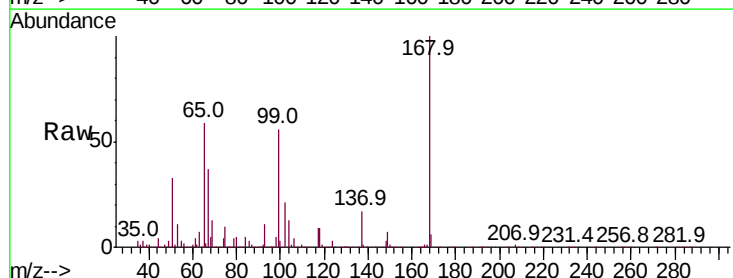
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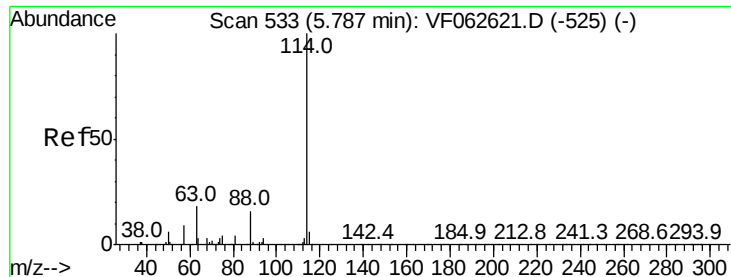
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#33  
1,2-Dichloroethane-d4  
Concen: 43.325 ug/l  
RT: 5.06 min Scan# 459  
Delta R.T. 0.02 min  
Lab File: VF062786.D  
Acq: 29 May 2019 17:14

| Tgt Ion | 65    | Resp  | 238405 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 65      | 100   |       |        |
| 67      | 62.2  | 0.0   | 117.6  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.01 min

Lab File: VF062786.D

Acq: 29 May 2019 17:14

Instrument :

MSVOA\_F

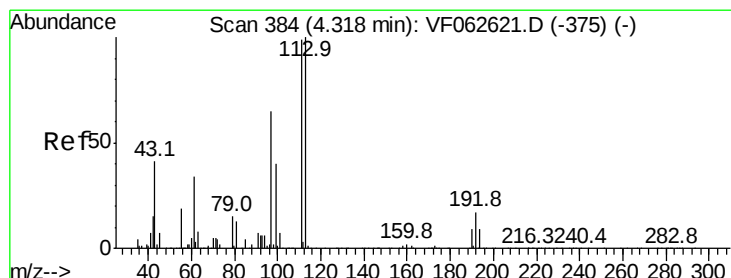
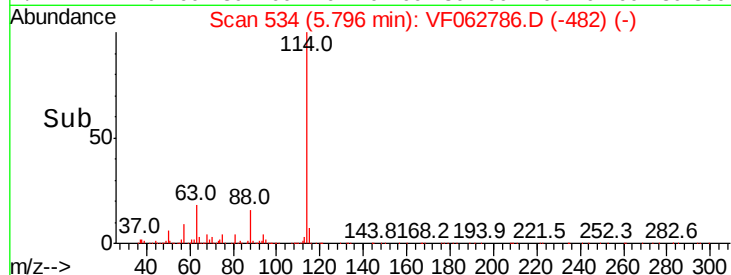
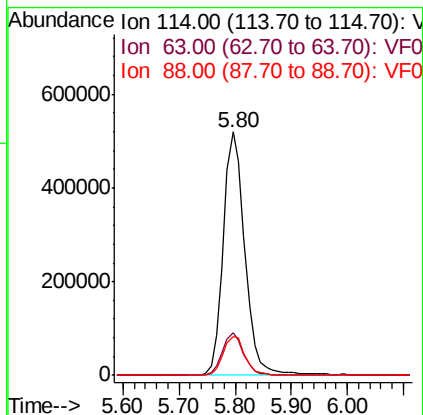
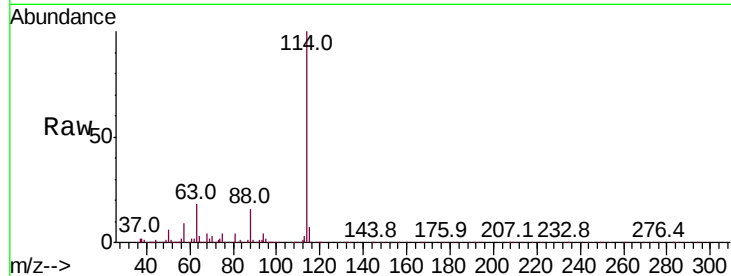
ClientSampleId :

OK-02-052919RE

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 114   | Resp: | 1392556 |
| Ion Ratio | Lower | Upper |         |
| 114       | 100   |       |         |
| 63        | 17.5  | 0.0   | 35.4    |
| 88        | 15.9  | 0.0   | 32.4    |

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#35

Dibromofluoromethane

Concen: 42.015 ug/l

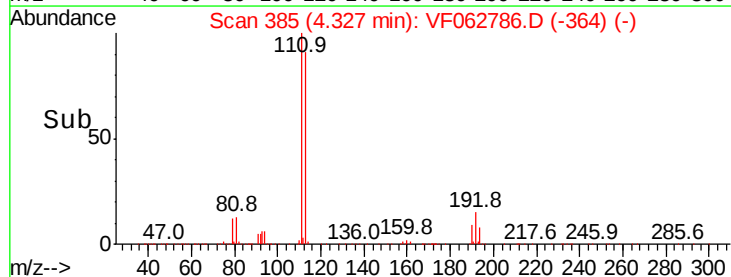
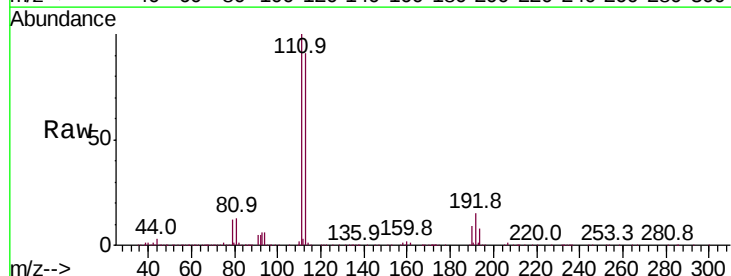
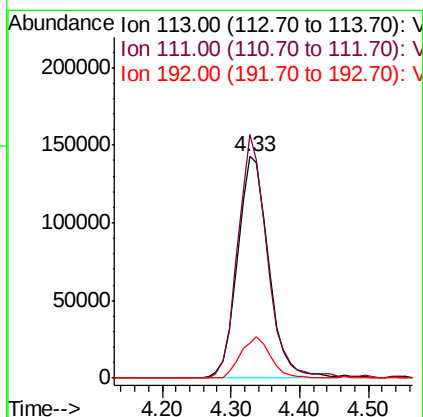
RT: 4.33 min Scan# 385

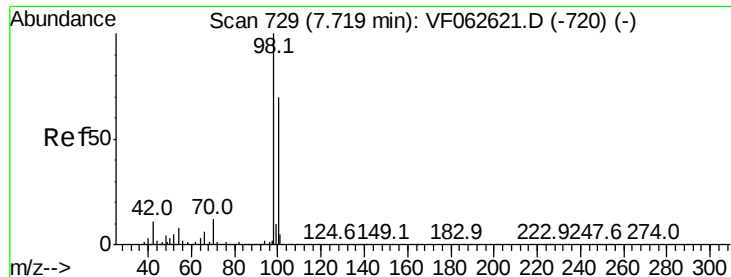
Delta R.T. 0.01 min

Lab File: VF062786.D

Acq: 29 May 2019 17:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 447706 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 109.9 | 79.4  | 119.2  |
| 192       | 16.1  | 13.4  | 20.2   |





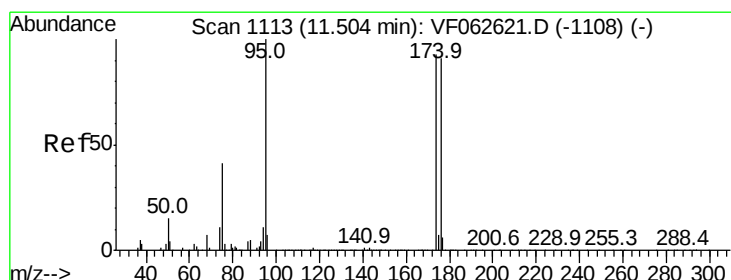
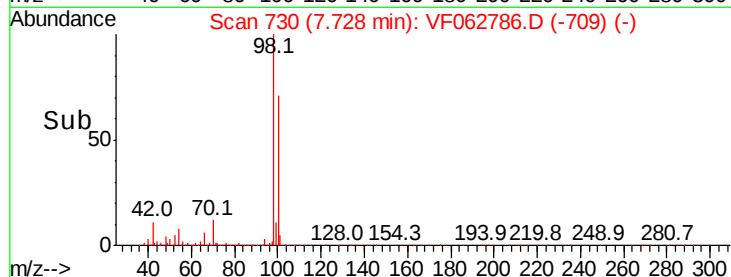
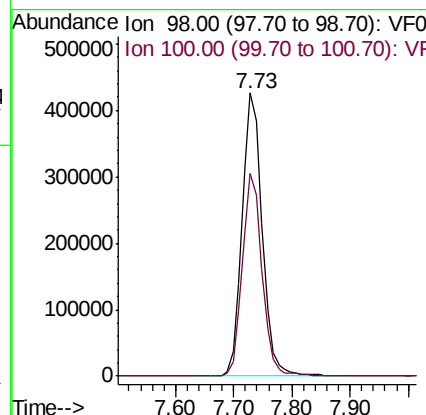
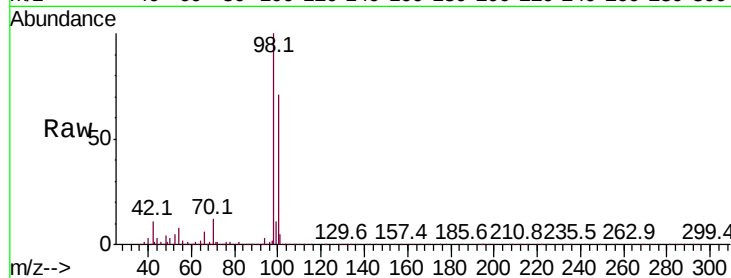
#50  
Toluene-d8  
Concen: 40.178 ug/l  
RT: 7.73 min Scan# 730  
Delta R.T. 0.01 min  
Lab File: VF062786.D  
Acq: 29 May 2019 17:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
OK-02-052919RE

Tot Ion: 98 Resp: 1022208  
Ion Ratio Lower Upper  
98 100  
100 71.4 56.2 84.2

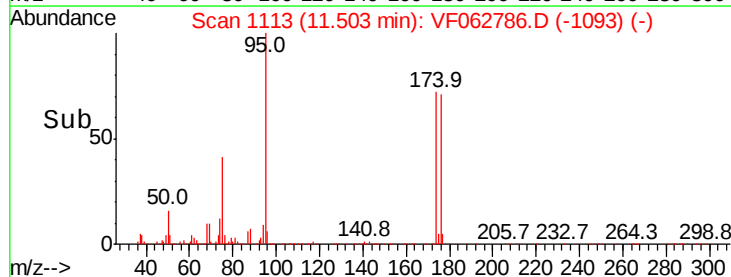
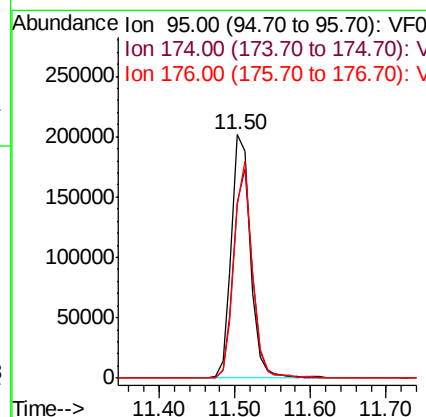
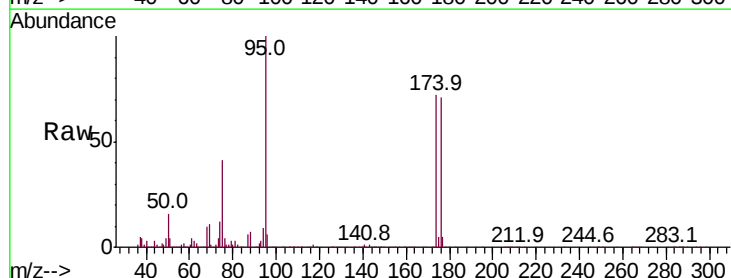
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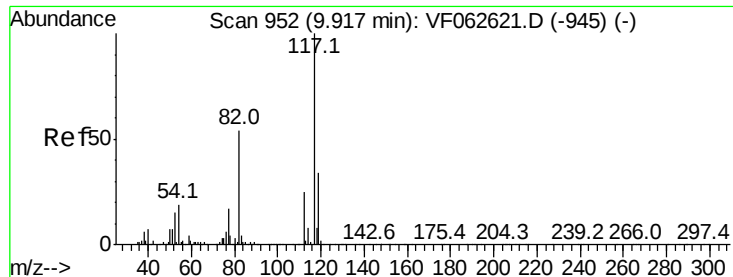
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#62  
4-Bromofluorobenzene  
Concen: 36.686 ug/l  
RT: 11.50 min Scan# 1113  
Delta R.T. -0.00 min  
Lab File: VF062786.D  
Acq: 29 May 2019 17:14

Tgt Ion: 95 Resp: 353997  
Ion Ratio Lower Upper  
95 100  
174 72.0 0.0 185.6  
176 70.9 0.0 182.4





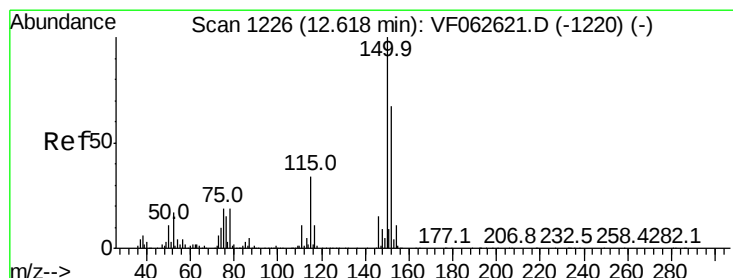
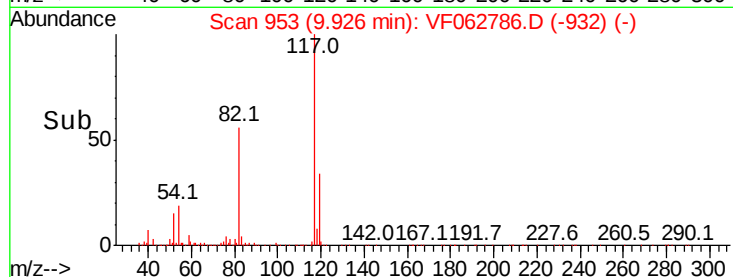
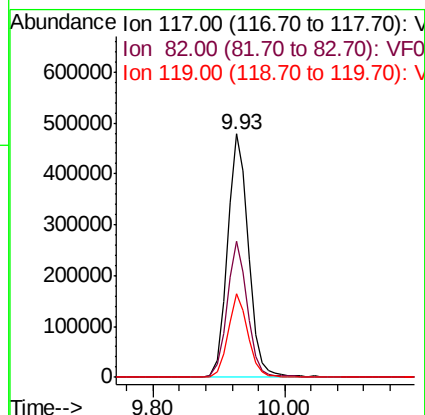
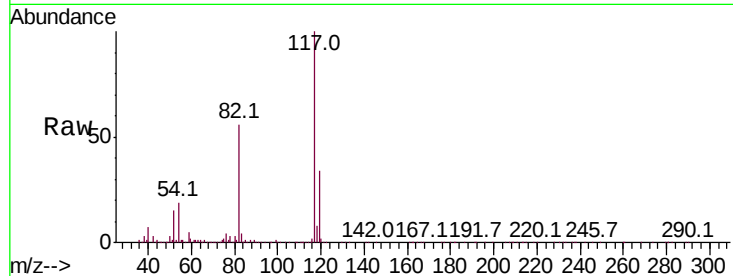
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.93 min Scan# 953  
Delta R.T. 0.01 min  
Lab File: VF062786.D  
Acq: 29 May 2019 17:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
OK-02-052919RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.8  | 43.3  | 64.9  |
| 119     | 34.4  | 27.4  | 41.0  |

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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.63 min Scan# 1227  
Delta R.T. 0.01 min  
Lab File: VF062786.D  
Acq: 29 May 2019 17:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 51.8  | 25.2  | 75.6  |
| 150     | 148.0 | 0.0   | 306.2 |

