

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_F\DATA\VF020819\  
 Data File : VF061577.D  
 Acq On : 9 Feb 2019 00:30  
 Operator : VA/AP  
 Sample : K1390-06RE  
 Misc : 5.81g/5mL/MSVOA-F/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 SB-05(0-2)RE

Quant Time: Feb 09 04:34:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F011519S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 16 04:51:59 2019  
 Response via : Initial Calibration

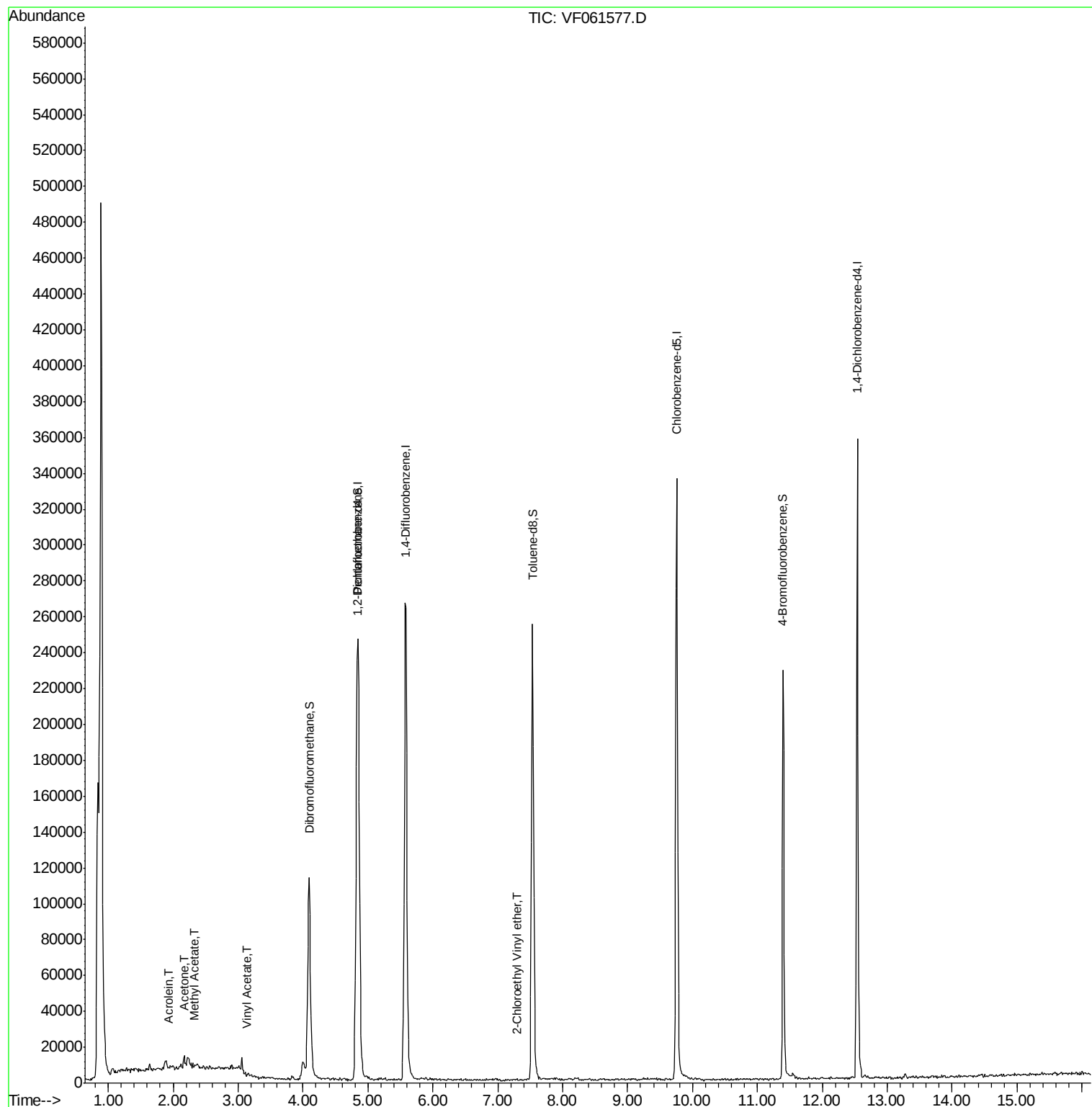
| Internal Standards            | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|-----------|--------|----------|
| 1) Pentafluorobenzene         | 4.86  | 168  | 177390   | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 5.59  | 114  | 302012   | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 9.76  | 117  | 242736   | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.54 | 152  | 87276    | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds   |       |      |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 4.83  | 65   | 97700    | 44.61     | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =         | 89.22% |          |
| 35) Dibromofluoromethane      | 4.10  | 113  | 103131   | 43.28     | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =         | 86.56% |          |
| 50) Toluene-d8                | 7.54  | 98   | 215589   | 33.02     | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =         | 66.04% |          |
| 62) 4-Bromofluorobenzene      | 11.40 | 95   | 88703    | 29.08     | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =         | 58.16% |          |
| Target Compounds              |       |      |          |           |        |          |
| 13) Acrolein                  | 1.93  | 56   | 547      | 16.904    | ug/l   | 96       |
| 14) Allyl chloride            | 2.07  | 41   | 369      | Below Cal | #      | 76       |
| 16) Acetone                   | 2.17  | 43   | 486      | 1.106     | ug/l   | 97       |
| 18) Methyl Acetate            | 2.33  | 43   | 2129     | 2.443     | ug/l # | 61       |
| 23) Vinyl Acetate             | 3.14  | 43   | 1155     | 3.655     | ug/l # | 78       |
| 58) 2-Chloroethyl Vinyl ether | 7.31  | 63   | 60       | 27.818    | ug/l # | 47       |

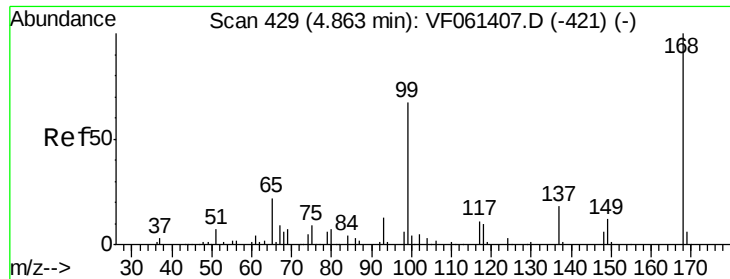
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Jan 16 04:51:59 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061577.D

Acq: 9 Feb 2019 00:30

Instrument :

MSVOA\_F

ClientSampleId :

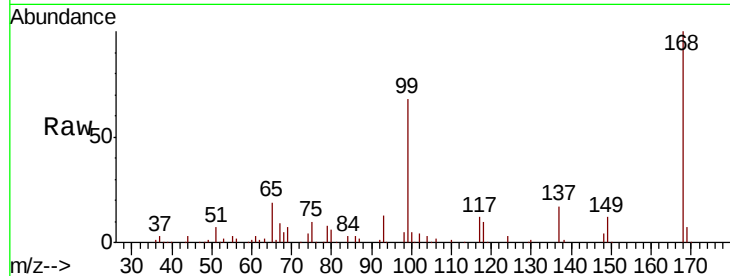
SB-05(0-2)RE

Tgt Ion:168 Resp: 177390

Ion Ratio Lower Upper

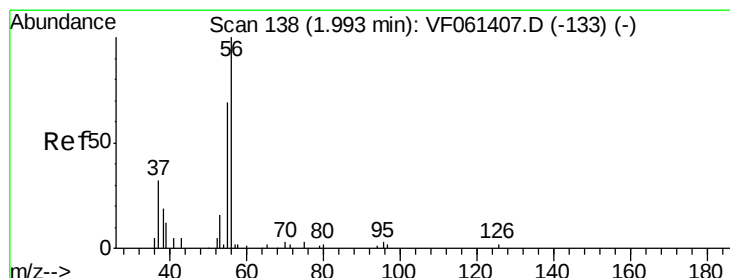
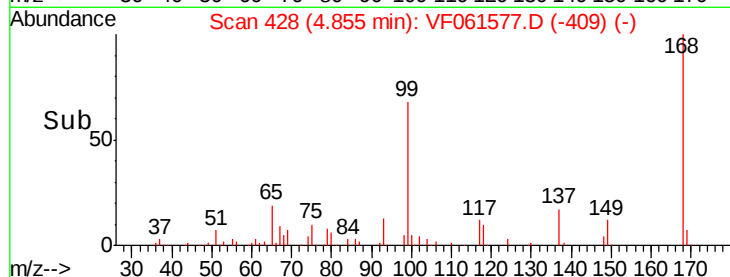
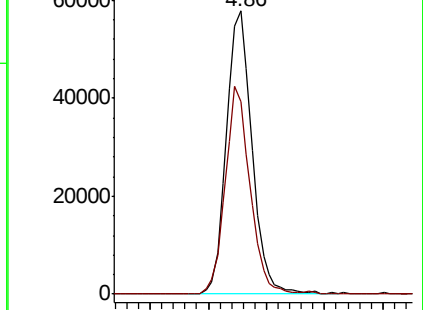
168 100

99 68.1 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#13

Acrolein

Concen: 16.904 ug/l

RT: 1.93 min Scan# 131

Delta R.T. -0.07 min

Lab File: VF061577.D

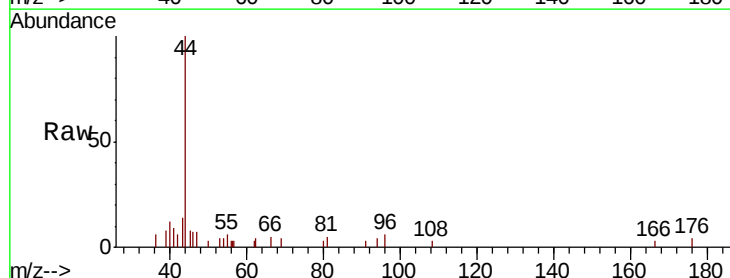
Acq: 9 Feb 2019 00:30

Tgt Ion: 56 Resp: 547

Ion Ratio Lower Upper

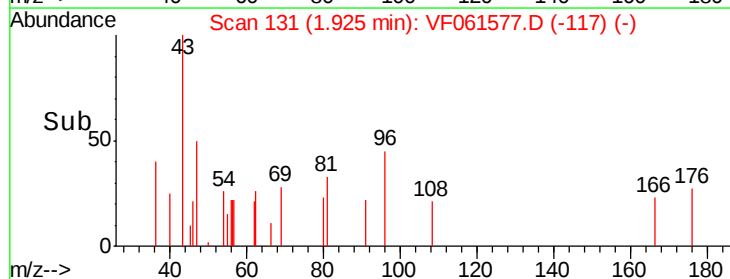
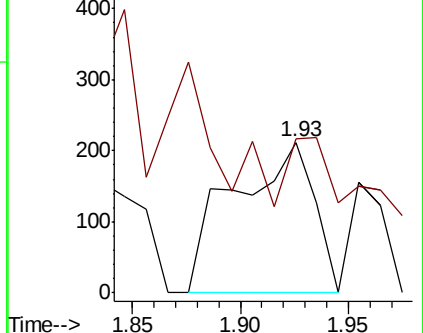
56 100

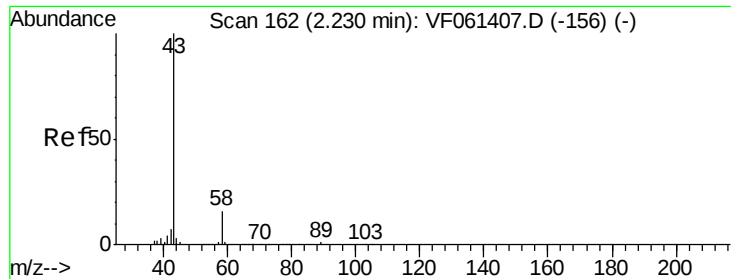
55 68.7 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#16

Acetone

Concen: 1.106 ug/l

RT: 2.17 min Scan# 156

Delta R.T. -0.06 min

Lab File: VF061577.D

Acq: 9 Feb 2019 00:30

Instrument :

MSVOA\_F

ClientSampleId :

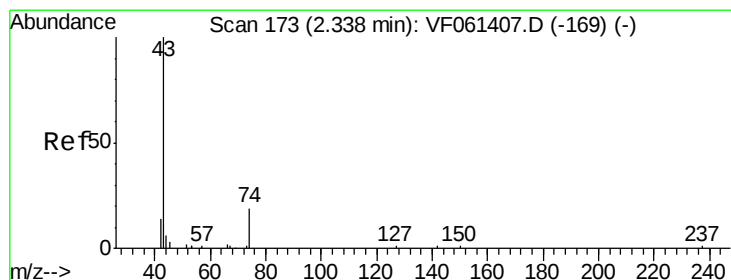
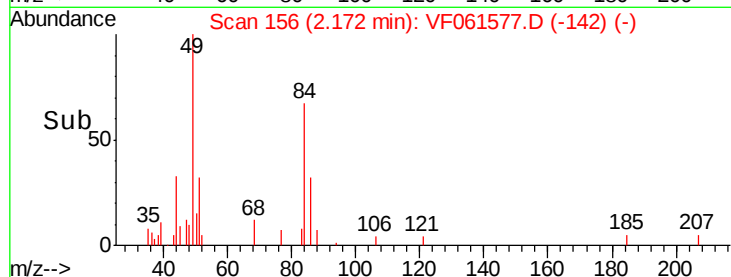
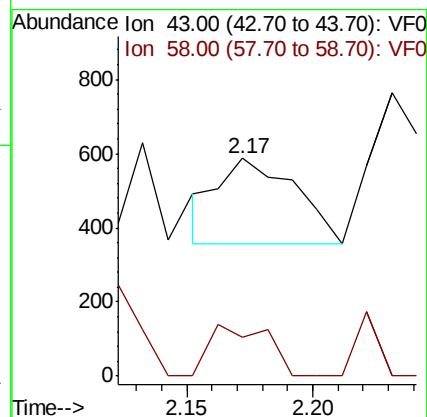
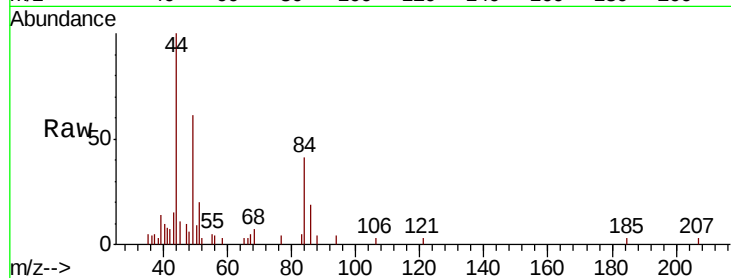
SB-05(0-2)RE

Tgt Ion: 43 Resp: 486

Ion Ratio Lower Upper

43 100

58 17.9 13.3 19.9



#18

Methyl Acetate

Concen: 2.443 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF061577.D

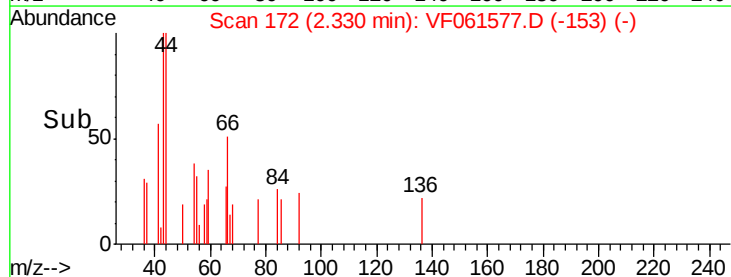
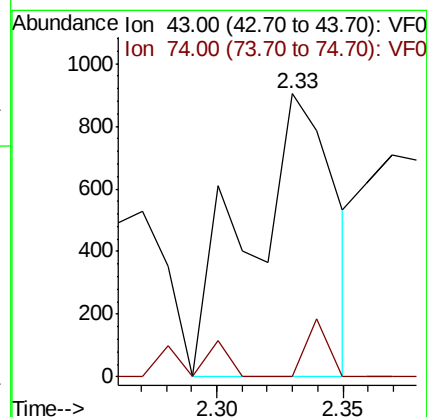
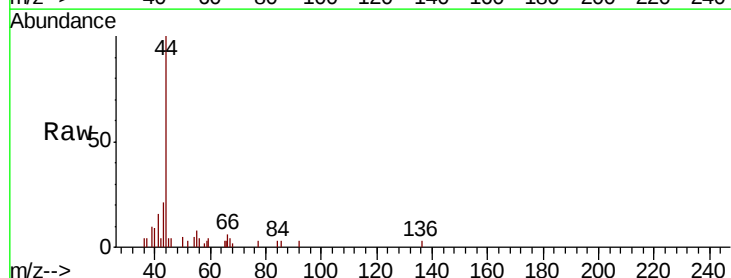
Acq: 9 Feb 2019 00:30

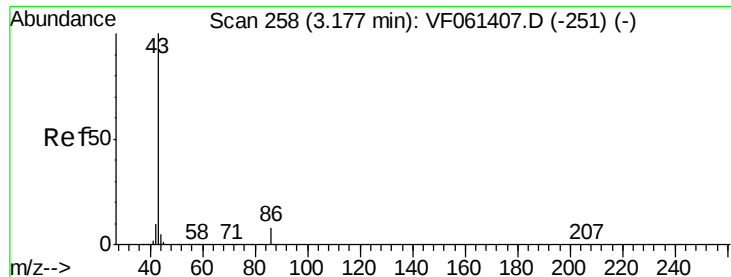
Tgt Ion: 43 Resp: 2129

Ion Ratio Lower Upper

43 100

74 0.0 13.4 20.0#





#23

Vinyl Acetate

Concen: 3.655 ug/l

RT: 3.14 min Scan# 254

Delta R.T. -0.04 min

Lab File: VF061577.D

Acq: 9 Feb 2019 00:30

Instrument :

MSVOA\_F

ClientSampleId :

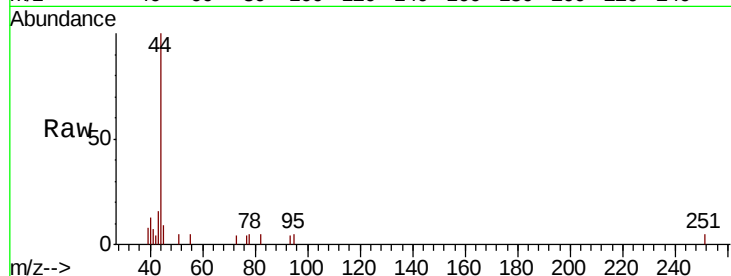
SB-05(0-2)RE

Tgt Ion: 43 Resp: 1155

Ion Ratio Lower Upper

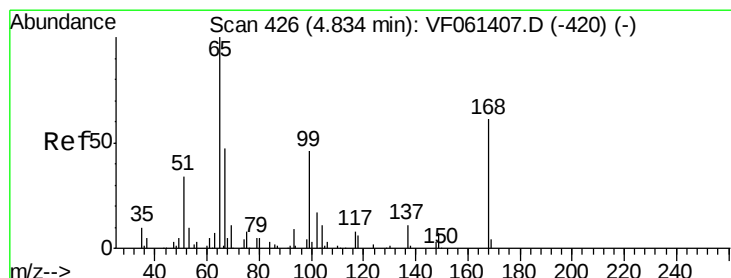
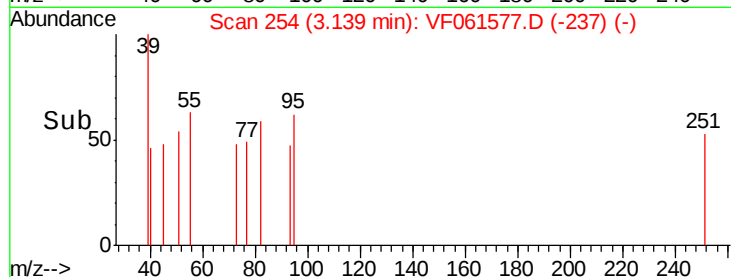
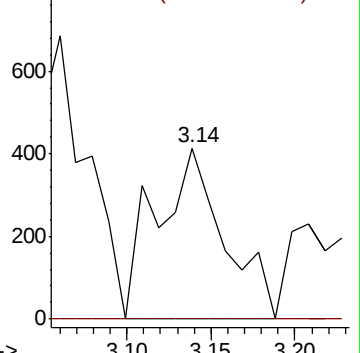
43 100

86 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 44.610 ug/l

RT: 4.83 min Scan# 425

Delta R.T. -0.01 min

Lab File: VF061577.D

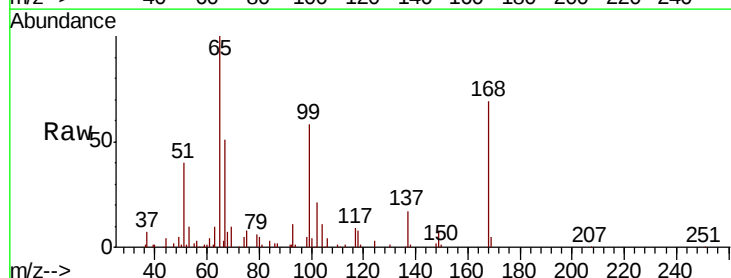
Acq: 9 Feb 2019 00:30

Tgt Ion: 65 Resp: 97700

Ion Ratio Lower Upper

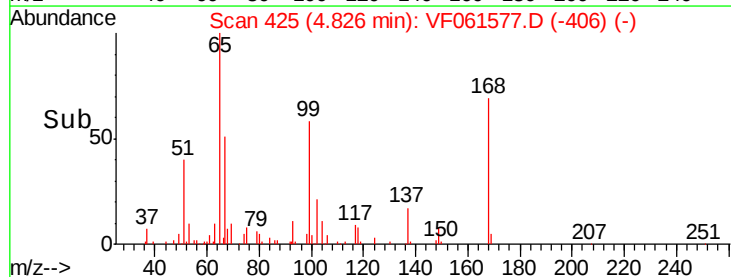
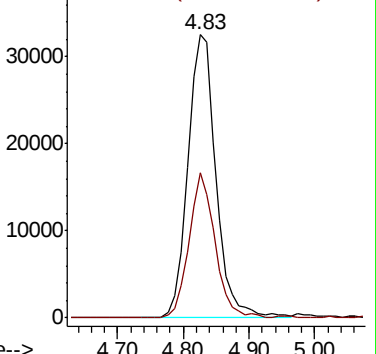
65 100

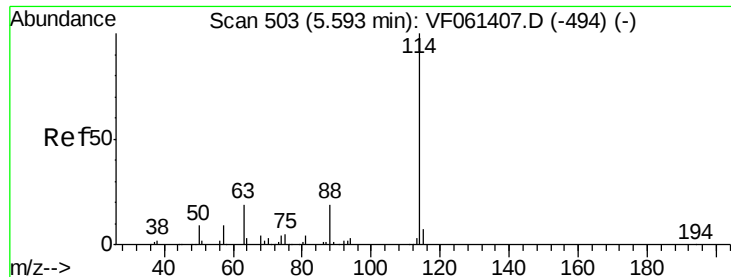
67 51.4 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061577.D

Acq: 9 Feb 2019 00:30

Instrument :

MSVOA\_F

ClientSampleId :

SB-05(0-2)RE

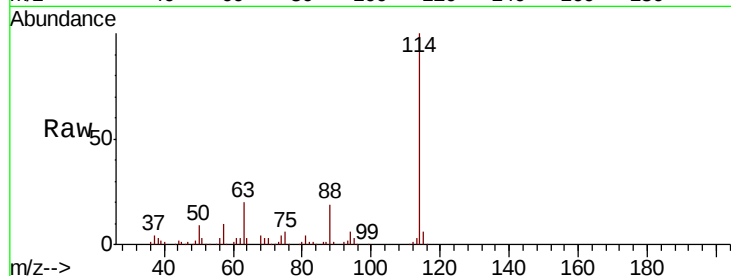
Tgt Ion:114 Resp: 302012

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

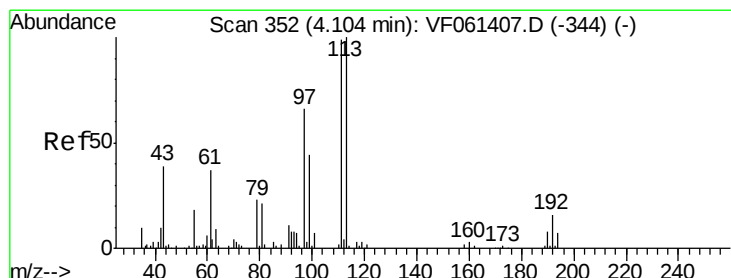
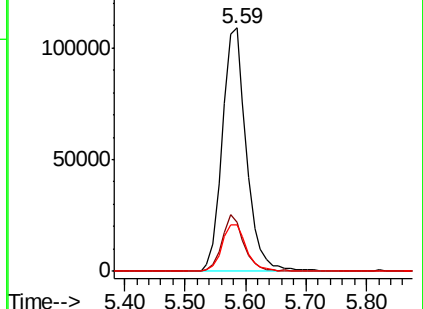
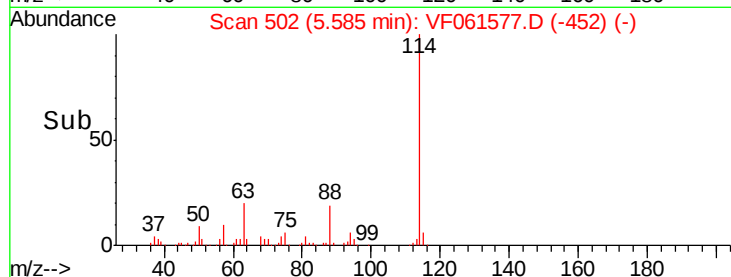
88 19.0 0.0 37.4



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: 43.275 ug/l

RT: 4.10 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061577.D

Acq: 9 Feb 2019 00:30

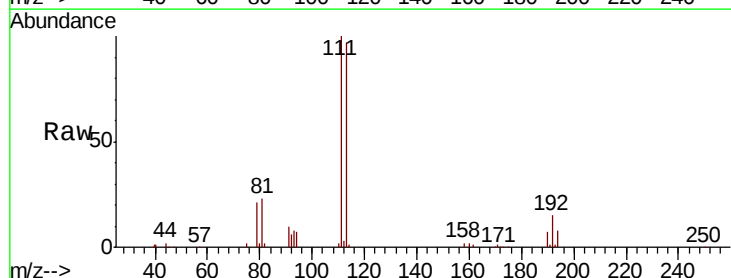
Tgt Ion:113 Resp: 103131

Ion Ratio Lower Upper

113 100

111 102.9 79.4 119.0

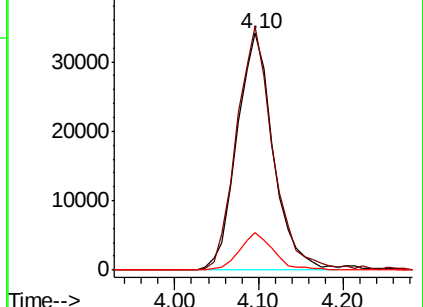
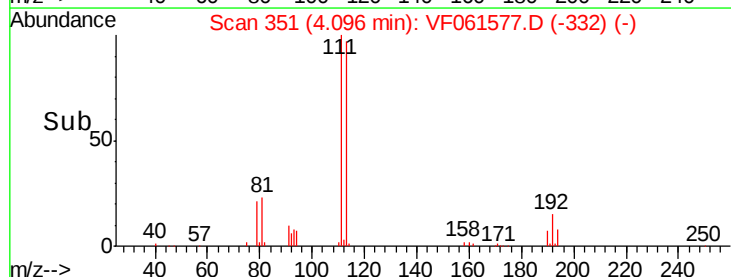
192 16.5 12.4 18.6

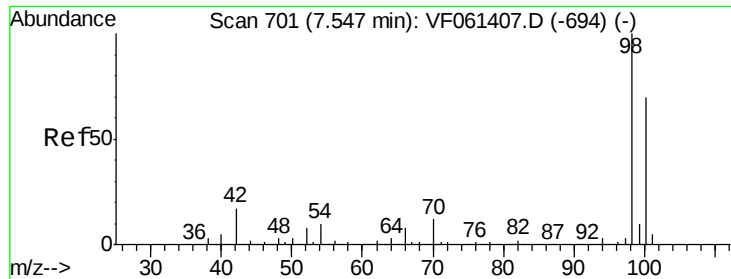


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

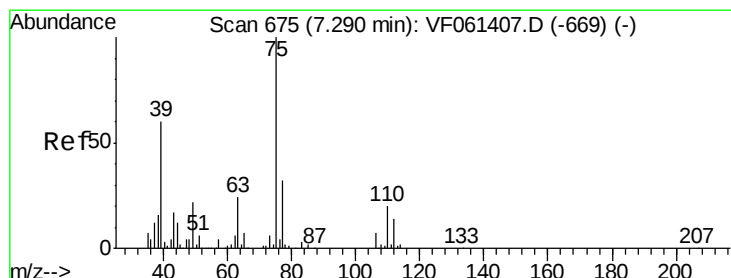
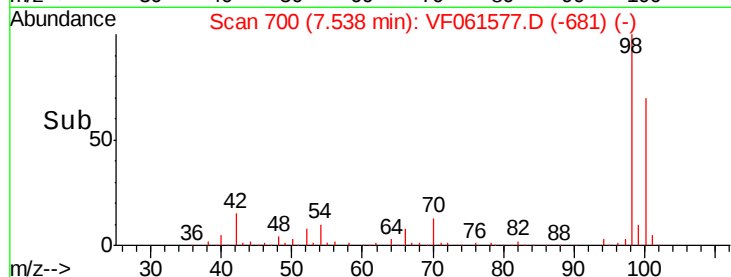
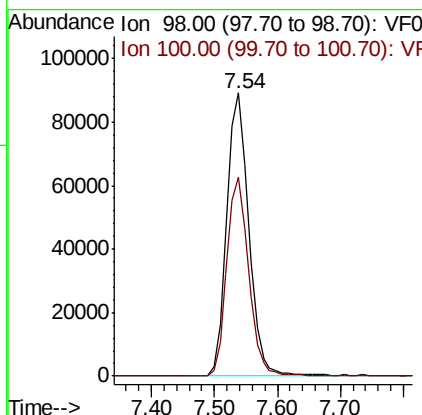
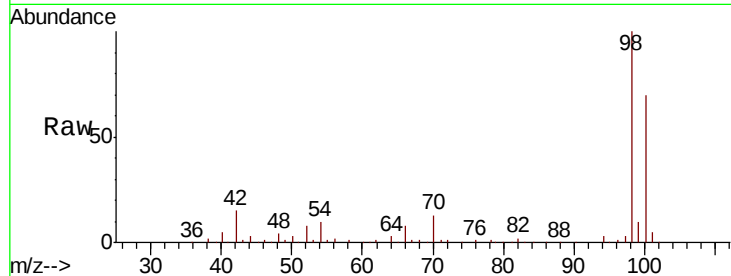




#50  
Toluene-d8  
Concen: 33.018 ug/l  
RT: 7.54 min Scan# 700  
Delta R.T. -0.01 min  
Lab File: VF061577.D  
Acq: 9 Feb 2019 00:30

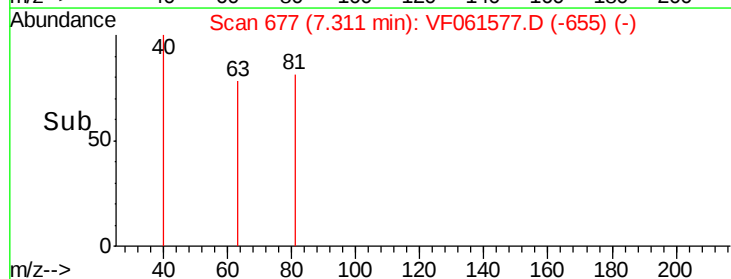
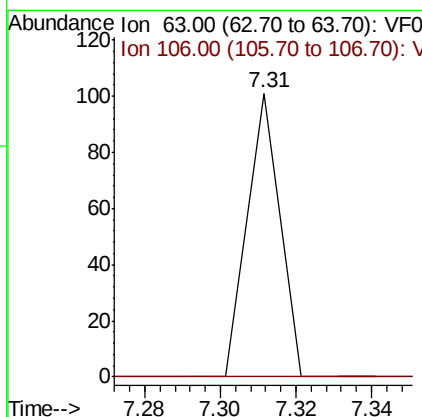
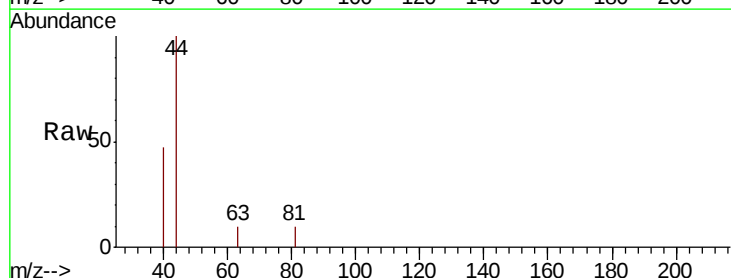
Instrument :  
MSVOA\_F  
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SB-05(0-2)RE

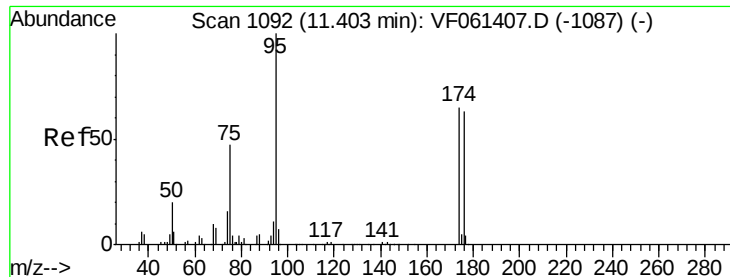
Tgt Ion: 98 Resp: 215589  
Ion Ratio Lower Upper  
98 100  
100 70.2 55.6 83.4



#58  
2-Chloroethyl Vinyl ether  
Concen: 27.818 ug/l  
RT: 7.31 min Scan# 677  
Delta R.T. 0.02 min  
Lab File: VF061577.D  
Acq: 9 Feb 2019 00:30

Tgt Ion: 63 Resp: 60  
Ion Ratio Lower Upper  
63 100  
106 0.0 21.9 32.9#

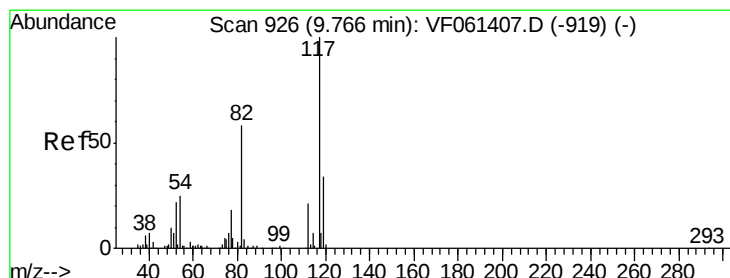
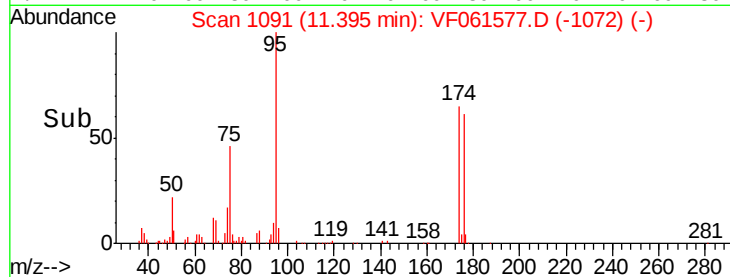
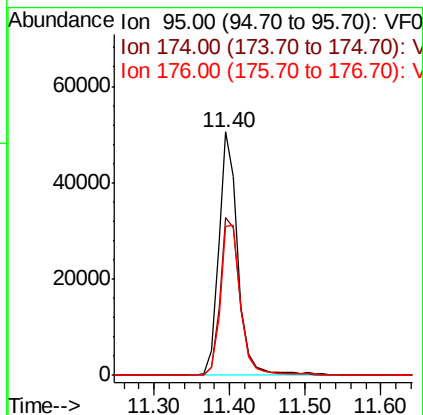
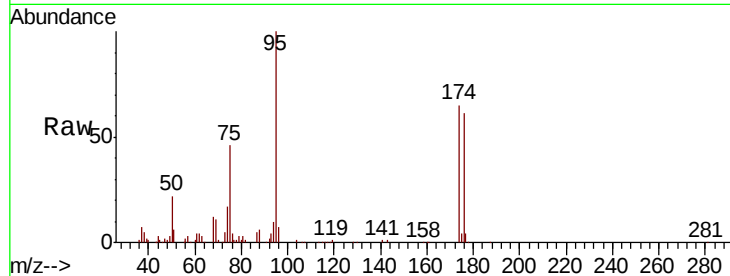




#62  
4-Bromofluorobenzene  
Concen: 29.076 ug/l  
RT: 11.40 min Scan# 1091  
Delta R.T. -0.01 min  
Lab File: VF061577.D  
Acq: 9 Feb 2019 00:30

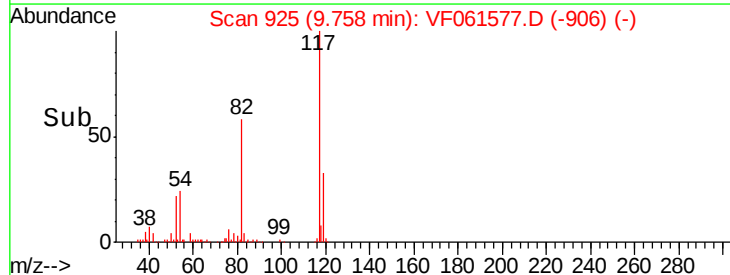
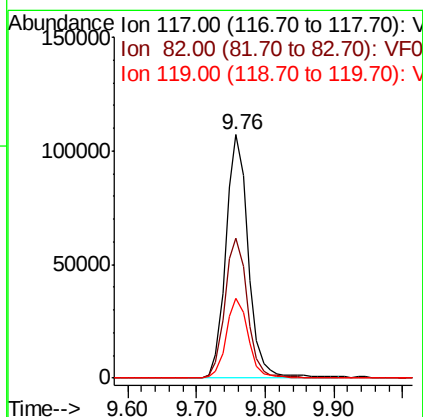
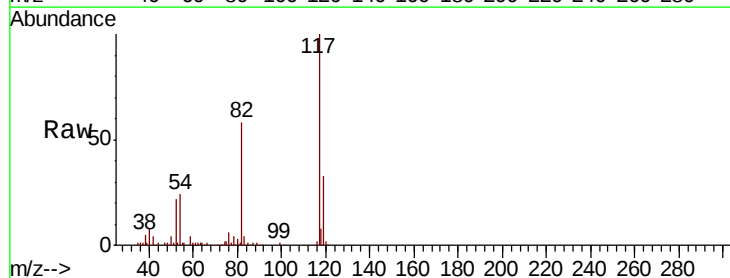
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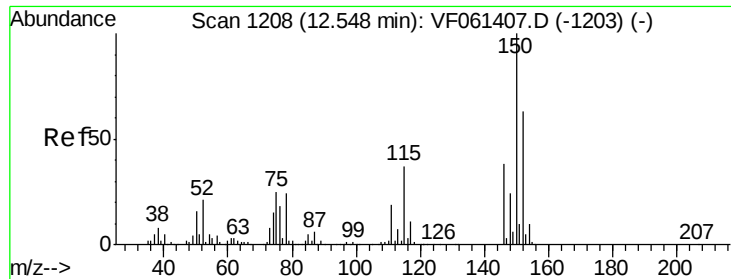
Tgt Ion: 95 Resp: 88703  
Ion Ratio Lower Upper  
95 100  
174 65.0 0.0 130.4  
176 61.0 0.0 126.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.76 min Scan# 925  
Delta R.T. -0.01 min  
Lab File: VF061577.D  
Acq: 9 Feb 2019 00:30

Tgt Ion: 117 Resp: 242736  
Ion Ratio Lower Upper  
117 100  
82 57.7 46.4 69.6  
119 32.9 27.2 40.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF061577.D

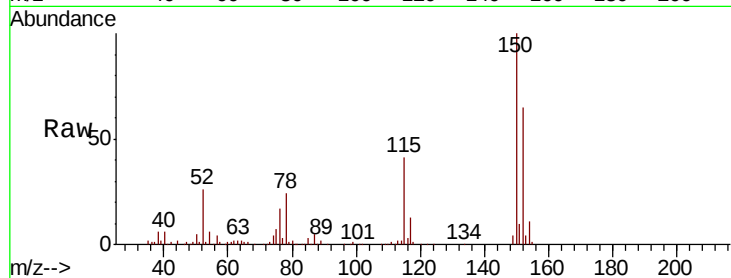
Acq: 9 Feb 2019 00:30

Instrument :

MSVOA\_F

ClientSampleId :

SB-05(0-2)RE



Tgt Ion:152 Resp: 87276

Ion Ratio Lower Upper

152 100

115 62.9 30.0 90.0

150 153.7 0.0 321.4

