

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061525.D
 Acq On : 25 Jan 2019 17:19
 Operator : VA/AP
 Sample : K1238-31RE
 Misc : 6.31g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 28 00:09:24 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

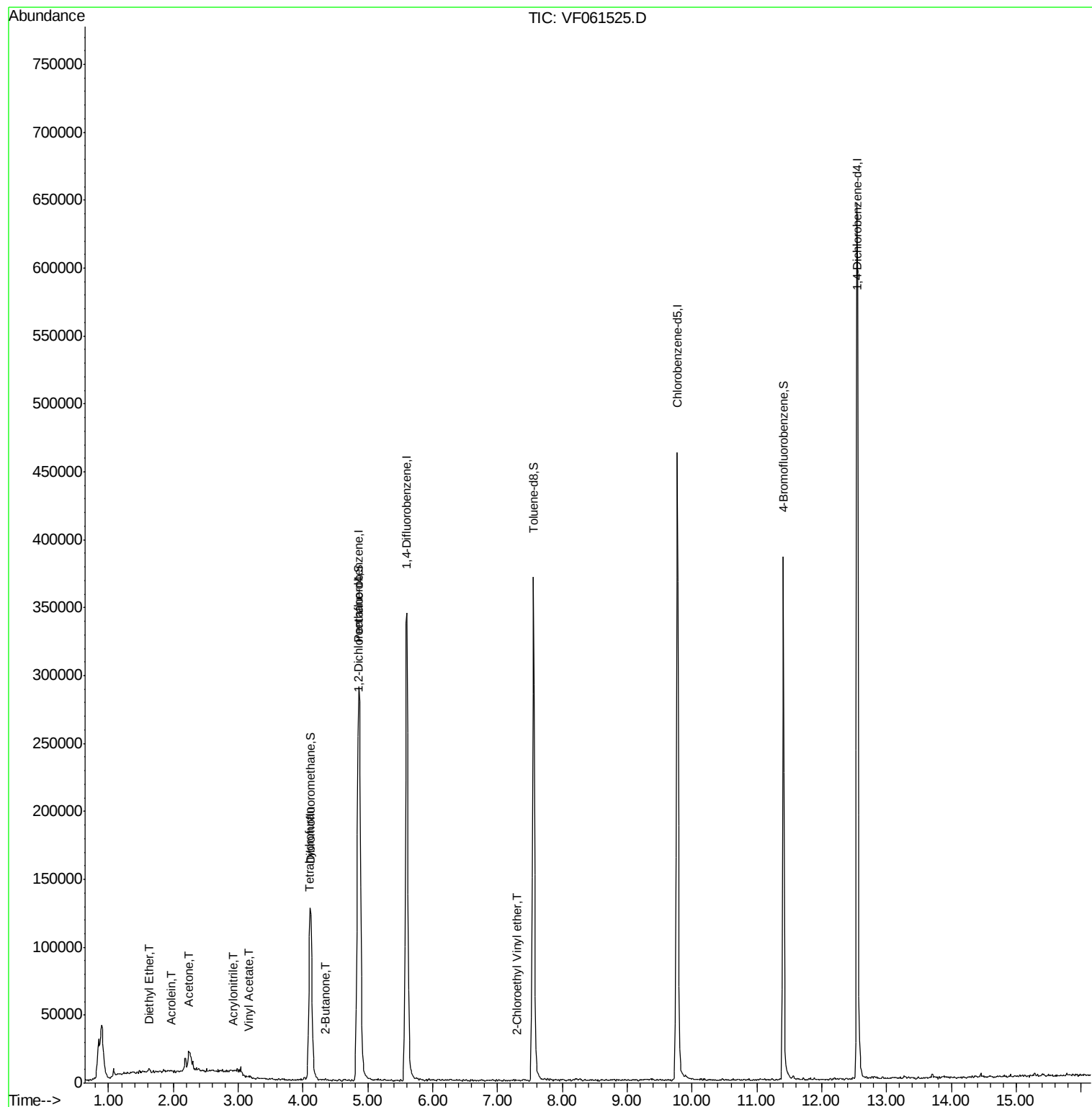
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	220749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	384124	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	330294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	170474	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	111073	40.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.50%	
35) Dibromofluoromethane	4.11	113	125433	41.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.76%	
50) Toluene-d8	7.55	98	296676	35.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.44%	
62) 4-Bromofluorobenzene	11.41	95	143072	36.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.74%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.63	74	1180	1.674	ug/l	98
13) Acrolein	1.97	56	220	12.459	ug/l	93
14) Allyl chloride	1.97	41	595	Below Cal		92
15) Acrylonitrile	2.92	53	362	1.225	ug/l #	32
16) Acetone	2.24	43	13799	25.238	ug/l	94
23) Vinyl Acetate	3.17	43	1393	3.641	ug/l #	78
25) 2-Butanone	4.35	43	1143	1.257	ug/l #	57
29) Tetrahydrofuran	4.09	42	659	1.683	ug/l #	48
49) 1,4-Dioxane	6.47	88	59	Below Cal	#	24
58) 2-Chloroethyl Vinyl ether	7.31	63	77	27.821	ug/l #	47

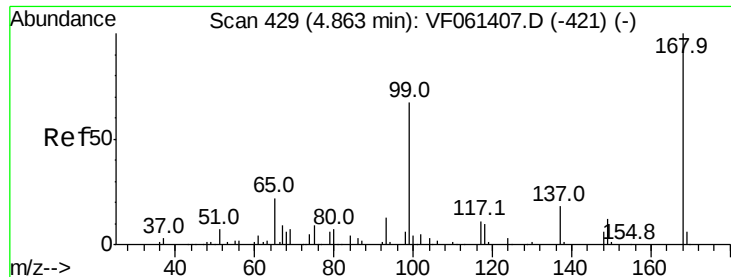
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012519\
Data File : VF061525.D
Acq On : 25 Jan 2019 17:19
Operator : VA/AP
Sample : K1238-31RE
Misc : 6.31q/5mL/MSVOA-F/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jan 28 00:09:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
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: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061525.D

Acq: 25 Jan 2019 17:19

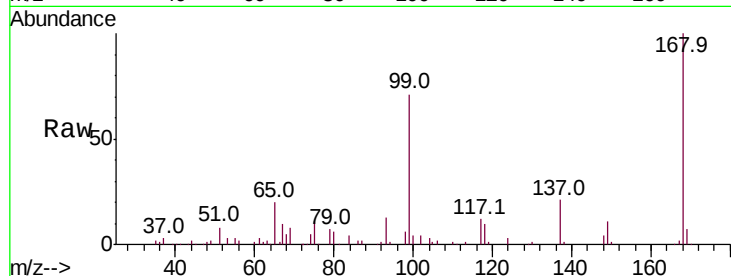
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 220749

Ion Ratio Lower Upper

168 100

99 70.8 53.5 80.3

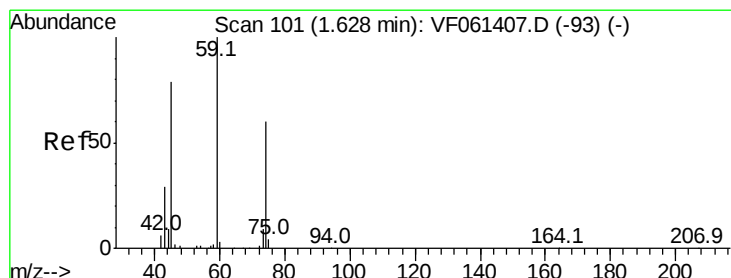
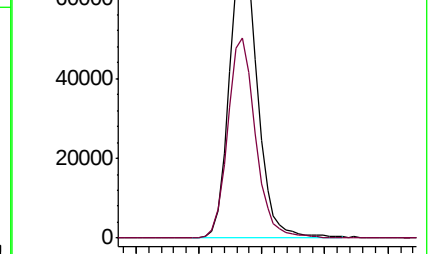
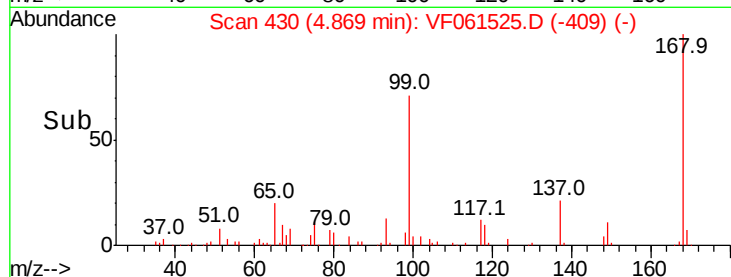


Abundance Ion 168.00 (167.70 to 168.70): VF061407.D (-421) (-)

Ion 99.00 (98.70 to 99.70): VF061407.D (-421) (-)

4.87

Time-->



#8

Diethyl Ether

Concen: 1.674 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF061525.D

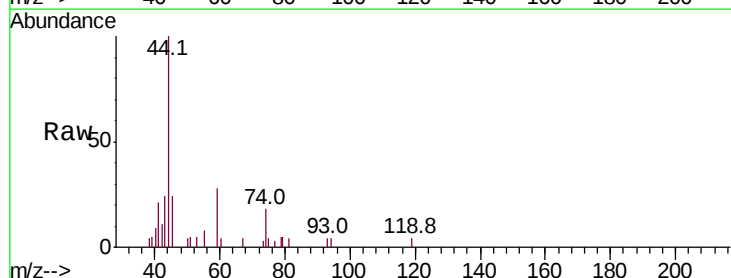
Acq: 25 Jan 2019 17:19

Tgt Ion: 74 Resp: 1180

Ion Ratio Lower Upper

74 100

45 129.6 65.8 197.5

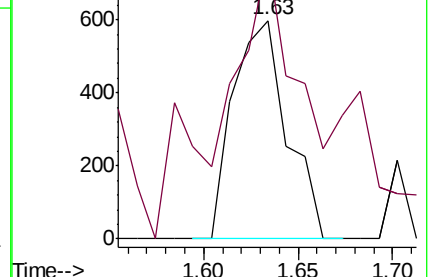
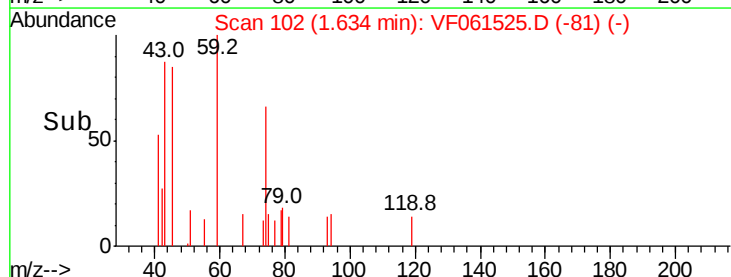


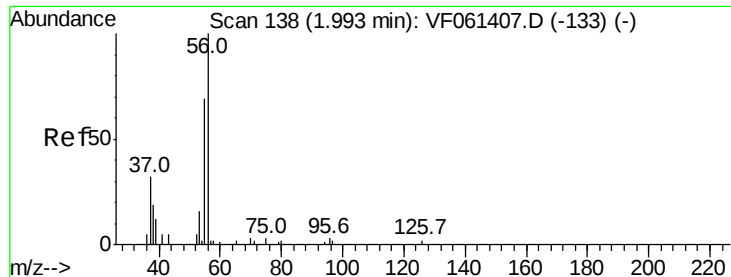
Abundance Ion 74.00 (73.70 to 74.70): VF061407.D (-93) (-)

Ion 45.00 (44.70 to 45.70): VF061407.D (-93) (-)

1.63

Time-->





#13

Acrolein

Concen: 12.459 ug/l

RT: 1.97 min Scan# 136

Delta R.T. -0.02 min

Lab File: VF061525.D

Acq: 25 Jan 2019 17:19

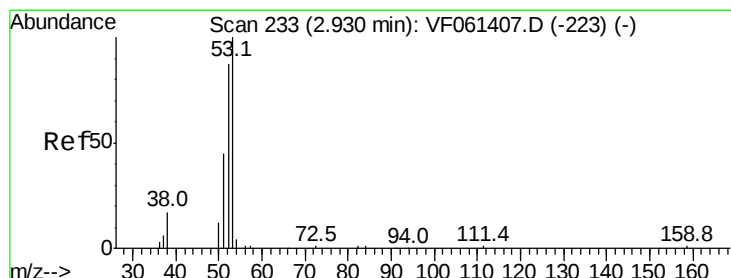
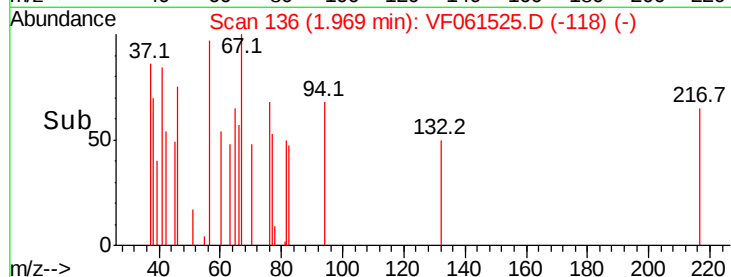
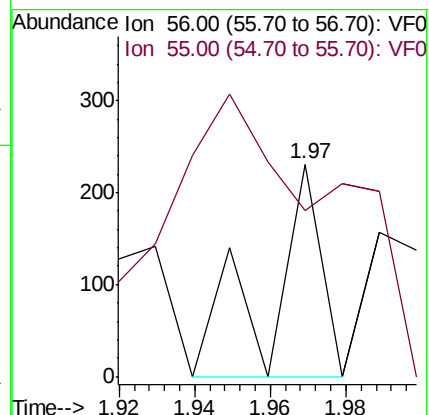
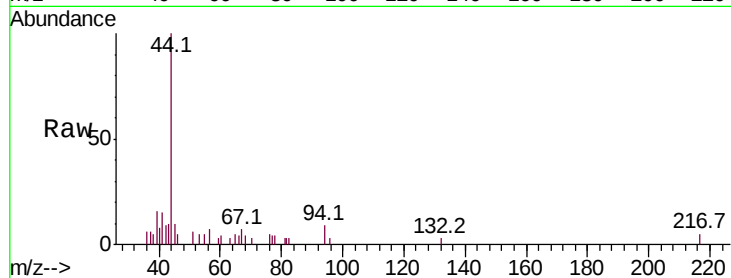
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 220

Ion Ratio Lower Upper

56 100

55 77.9 57.5 86.3



#15

Acrylonitrile

Concen: 1.225 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.01 min

Lab File: VF061525.D

Acq: 25 Jan 2019 17:19

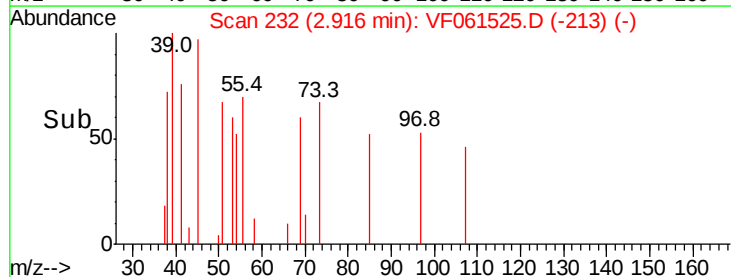
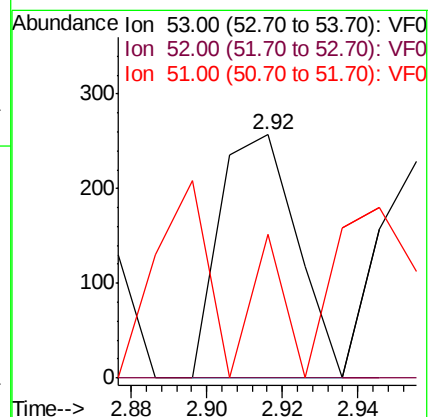
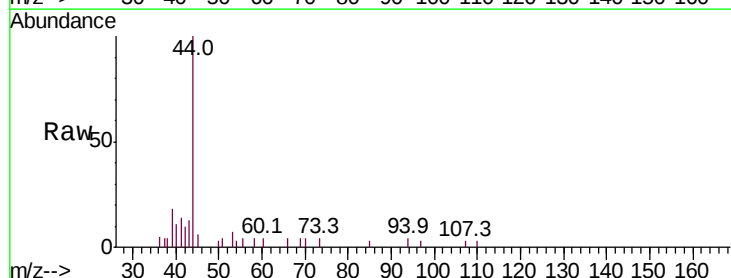
Tgt Ion: 53 Resp: 362

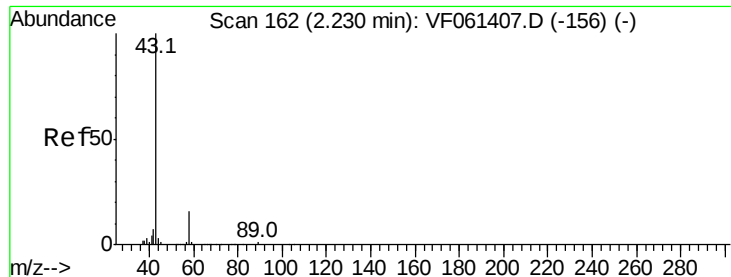
Ion Ratio Lower Upper

53 100

52 0.0 69.6 104.4#

51 59.1 36.8 55.2#





#16

Acetone

Concen: 25.238 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061525.D

Acq: 25 Jan 2019 17:19

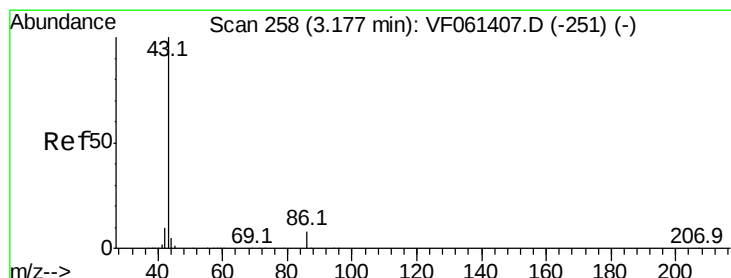
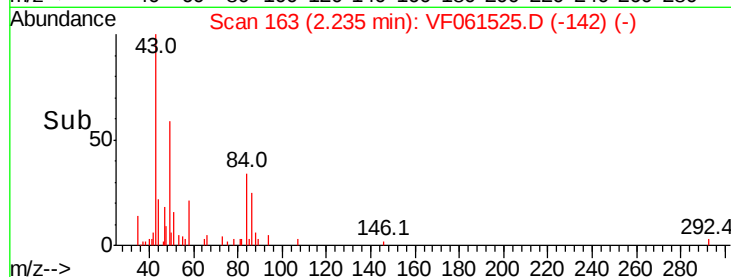
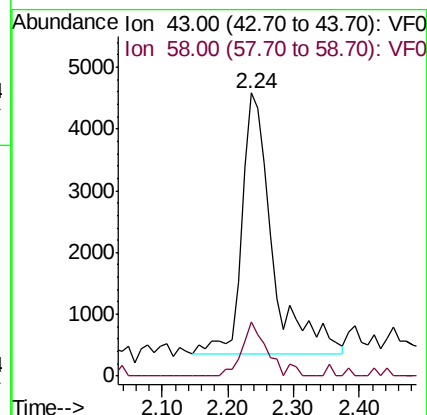
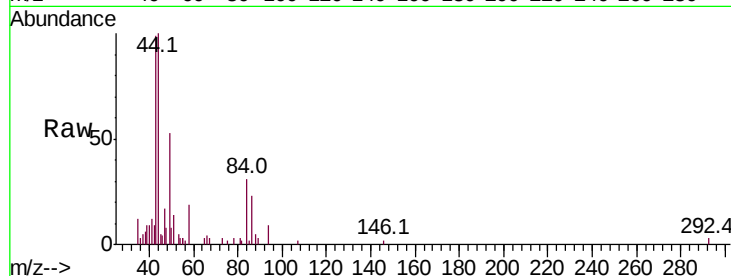
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 13799

Ion Ratio Lower Upper

43 100

58 19.1 13.3 19.9



#23

Vinyl Acetate

Concen: 3.641 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF061525.D

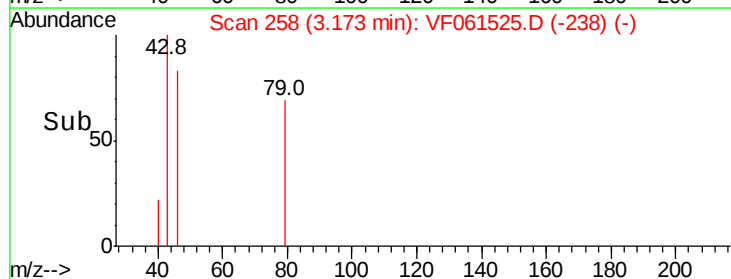
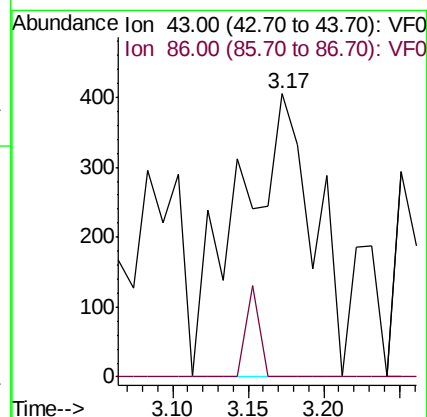
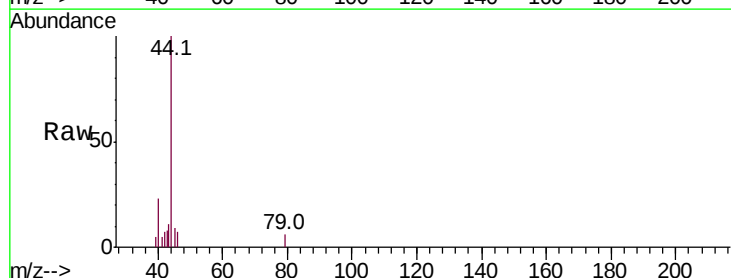
Acq: 25 Jan 2019 17:19

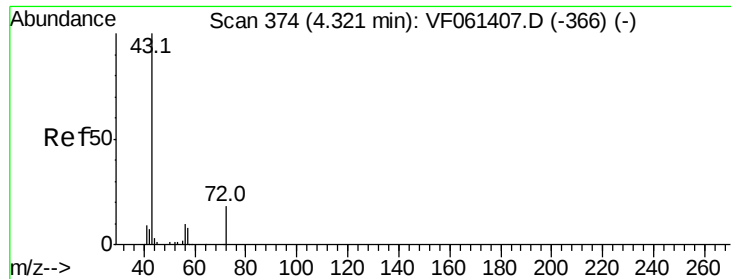
Tgt Ion: 43 Resp: 1393

Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.4#





#25

2-Butanone

Concen: 1.257 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.03 min

Lab File: VF061525.D

Acq: 25 Jan 2019 17:19

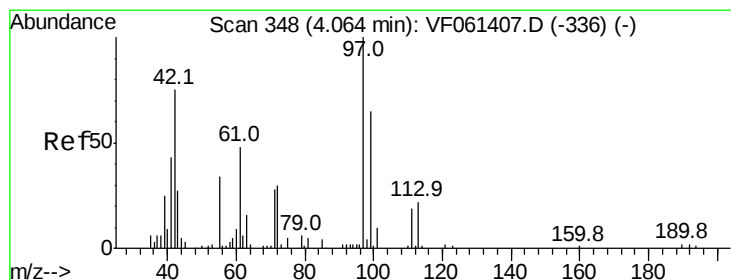
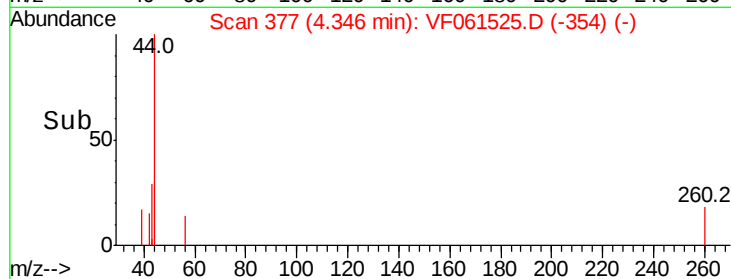
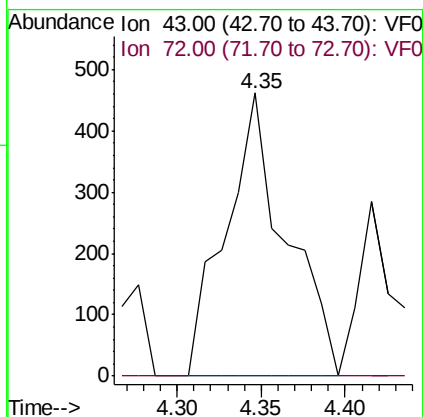
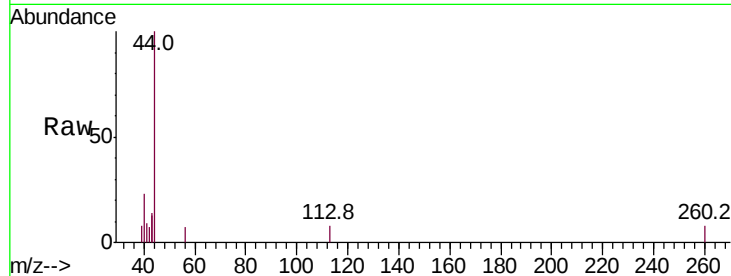
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1143

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#



#29

Tetrahydrofuran

Concen: 1.683 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.03 min

Lab File: VF061525.D

Acq: 25 Jan 2019 17:19

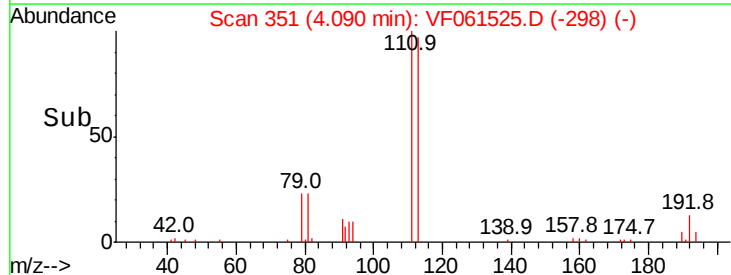
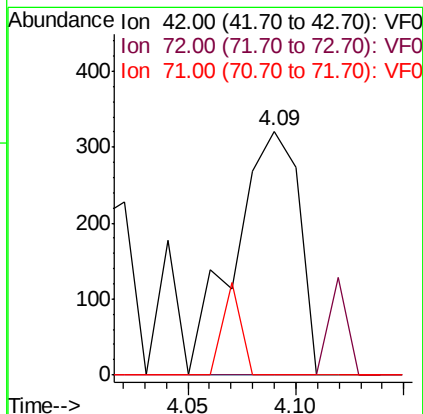
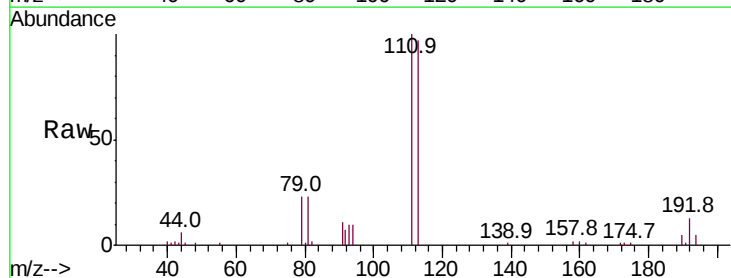
Tgt Ion: 42 Resp: 659

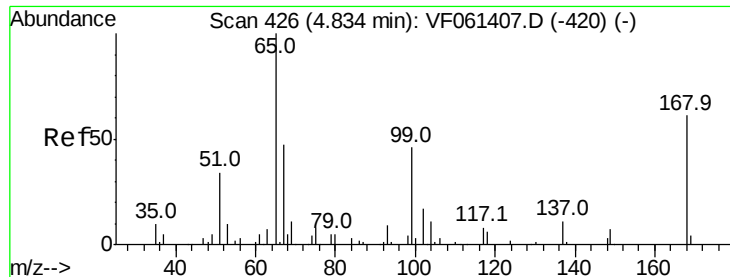
Ion Ratio Lower Upper

42 100

72 0.0 28.9 43.3#

71 10.9 29.6 44.4#





#33

1,2-Dichloroethane-d4

Concen: 40.754 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061525.D

Acq: 25 Jan 2019 17:19

Instrument :

MSVOA_F

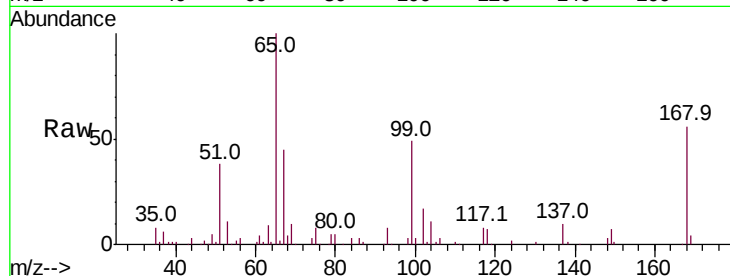
ClientSampleId :

Tot Ion: 65 Resp: 111073

Ion Ratio Lower Upper

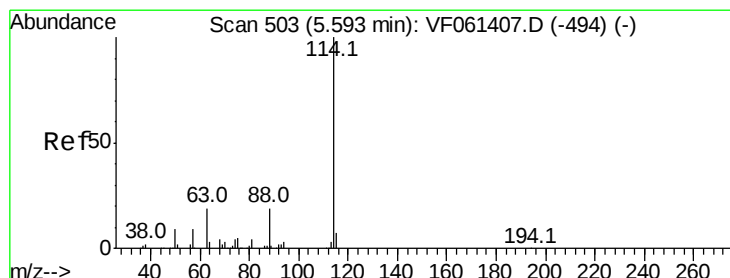
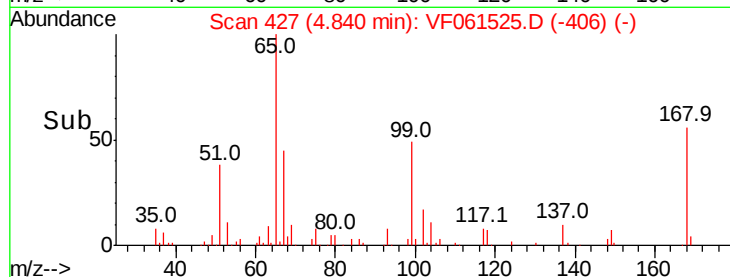
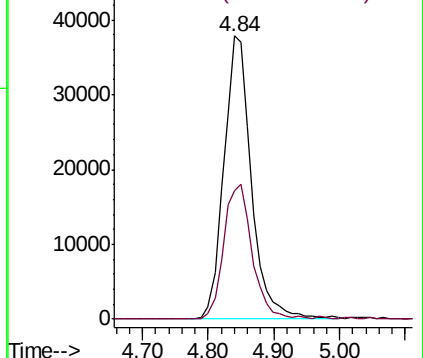
65 100

67 45.4 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: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061525.D

Acq: 25 Jan 2019 17:19

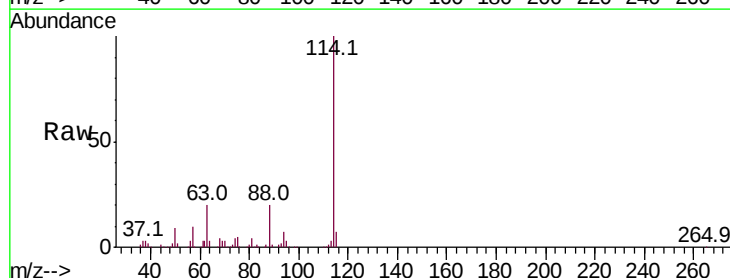
Tgt Ion: 114 Resp: 384124

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.0

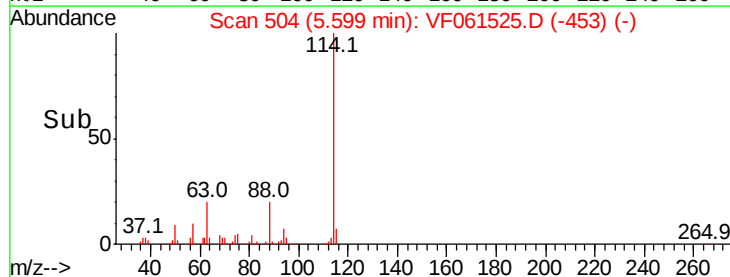
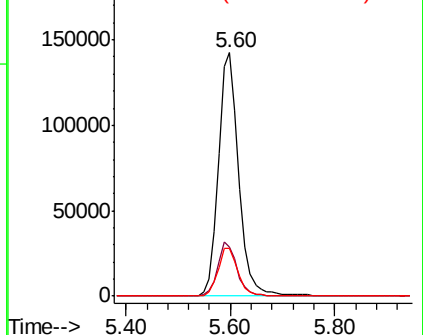
88 19.6 0.0 37.4

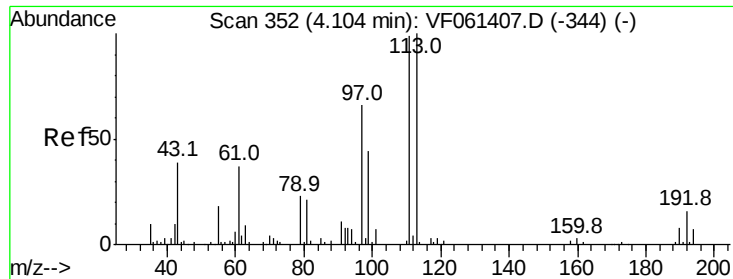


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

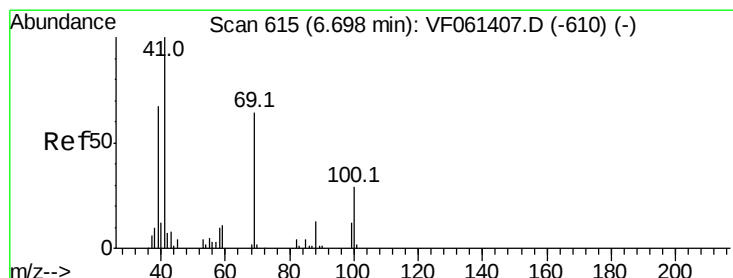
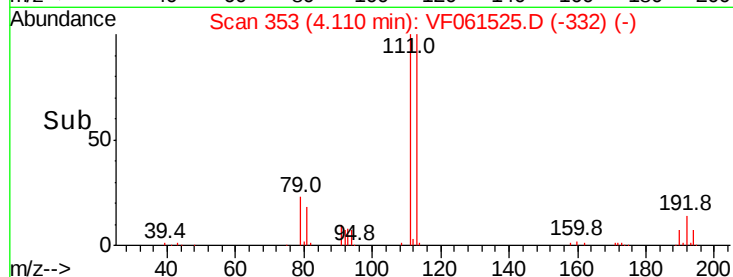
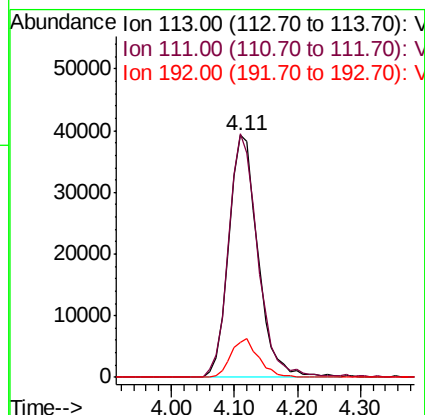
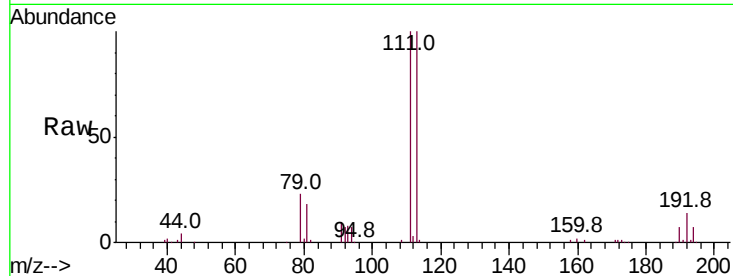




#35
 Dibromofluoromethane
 Concen: 41.382 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VF061525.D
 Acq: 25 Jan 2019 17:19

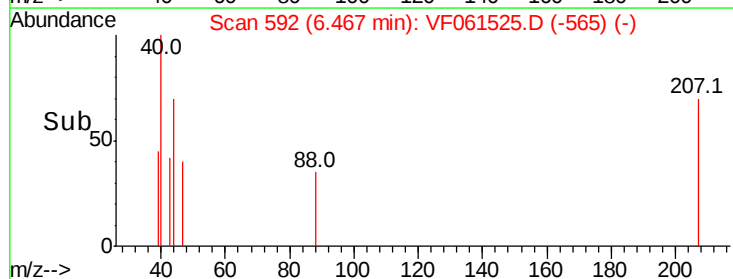
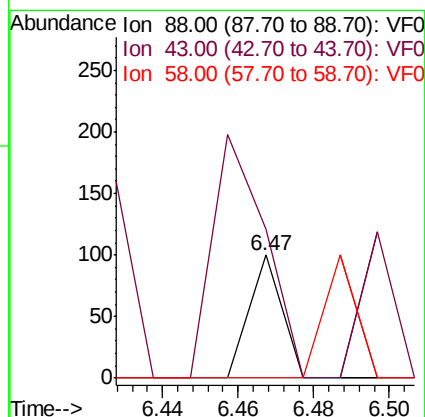
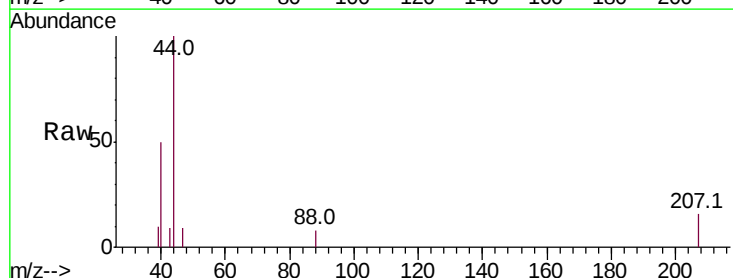
Instrument :
 MSVOA_F
 ClientSampleId :

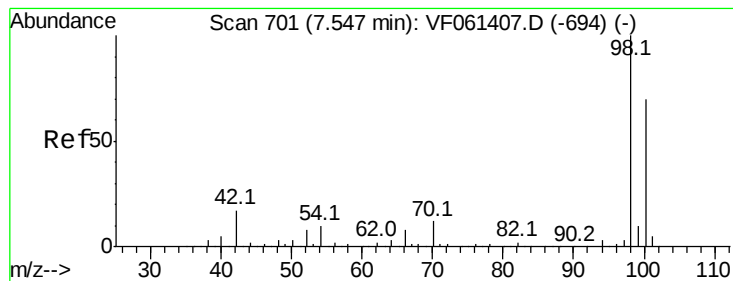
Tot Ion:113 Resp: 125433
 Ion Ratio Lower Upper
 113 100
 111 100.5 79.4 119.0
 192 14.4 12.4 18.6



#49
 1,4-Dioxane
 Concen: Below Cal
 RT: 6.47 min Scan# 592
 Delta R.T. -0.23 min
 Lab File: VF061525.D
 Acq: 25 Jan 2019 17:19

Tgt Ion: 88 Resp: 59
 Ion Ratio Lower Upper
 88 100
 43 121.0 55.5 83.3#
 58 0.0 59.9 89.9#





#50

Toluene-d8

Concen: 35.724 ug/l

RT: 7.55 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF061525.D

Acq: 25 Jan 2019 17:19

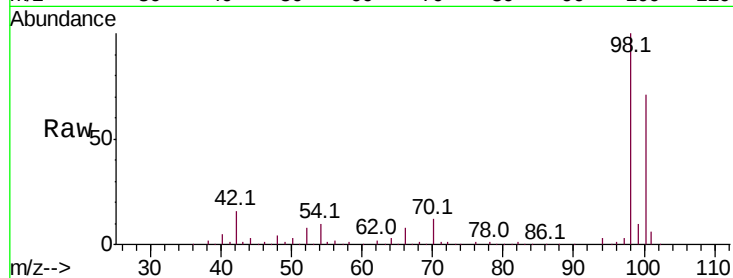
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 296676

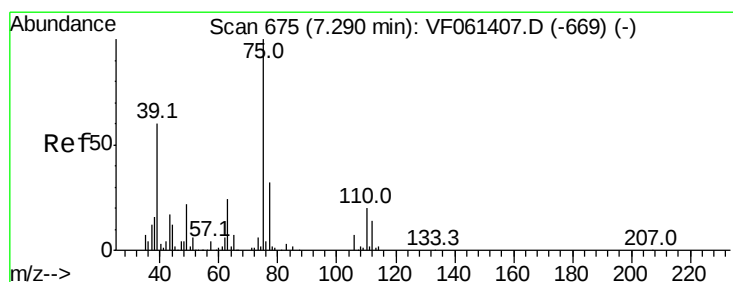
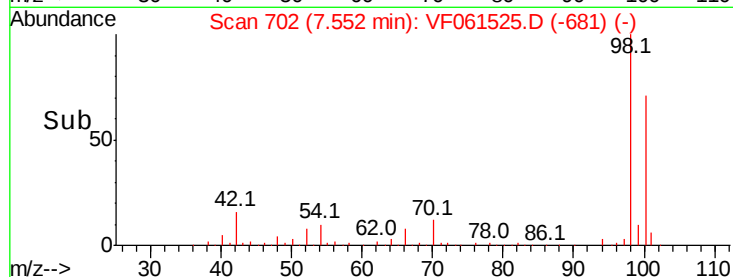
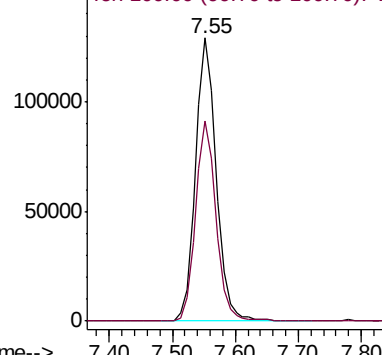
Ion Ratio Lower Upper

98 100

100 70.8 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0
150000 Ion 100.00 (99.70 to 100.70): VF



#58

2-Chloroethyl Vinyl ether

Concen: 27.821 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.02 min

Lab File: VF061525.D

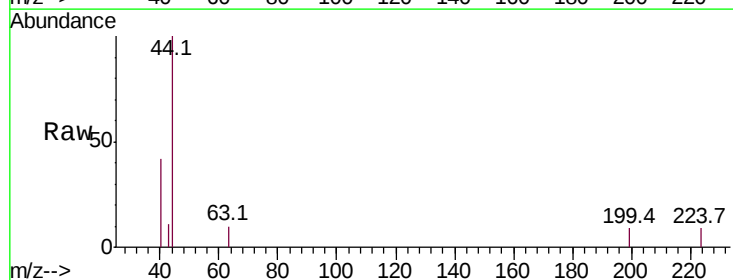
Acq: 25 Jan 2019 17:19

Tgt Ion: 63 Resp: 77

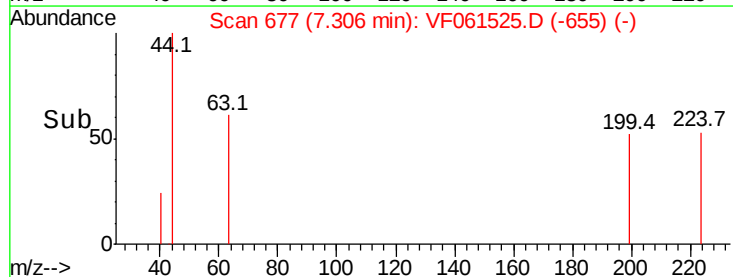
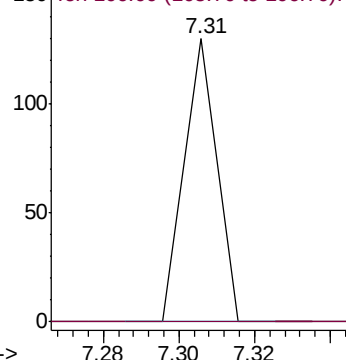
Ion Ratio Lower Upper

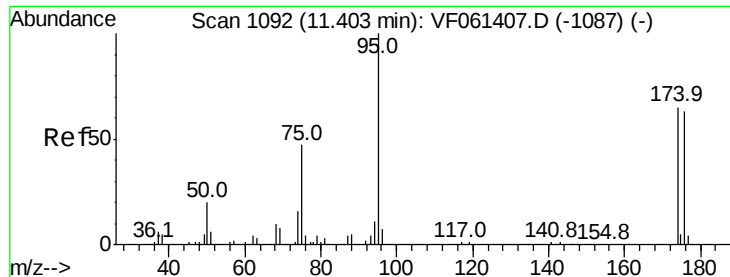
63 100

106 0.0 21.9 32.9#



Abundance Ion 63.00 (62.70 to 63.70): VF0
150 Ion 106.00 (105.70 to 106.70): V





#62

4-Bromofluorobenzene

Concen: 36.873 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061525.D

Acq: 25 Jan 2019 17:19

Instrument :

MSVOA_F

ClientSampled :

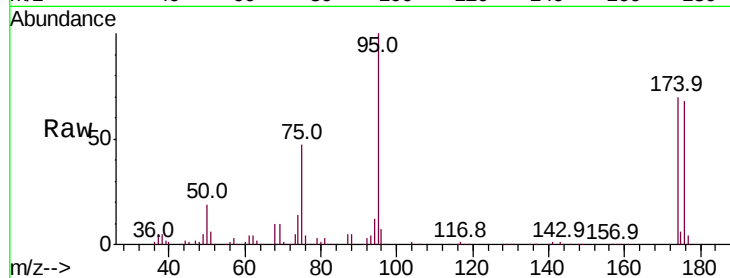
Tot Ion: 95 Resp: 143072

Ion Ratio Lower Upper

95 100

174 70.4 0.0 130.4

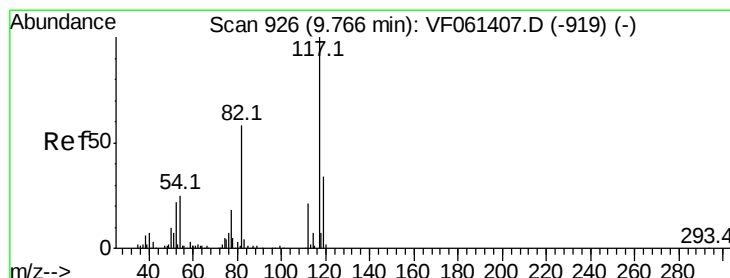
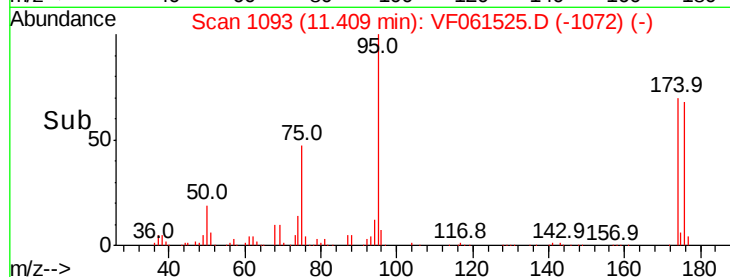
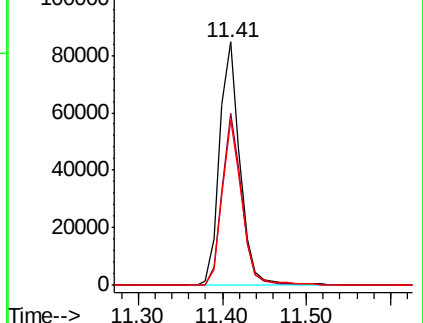
176 67.9 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061525.D

Acq: 25 Jan 2019 17:19

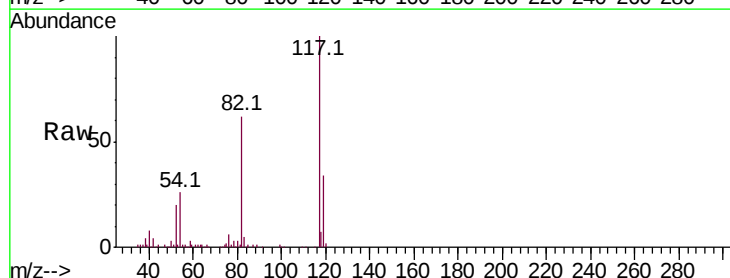
Tgt Ion: 117 Resp: 330294

Ion Ratio Lower Upper

117 100

82 61.8 46.4 69.6

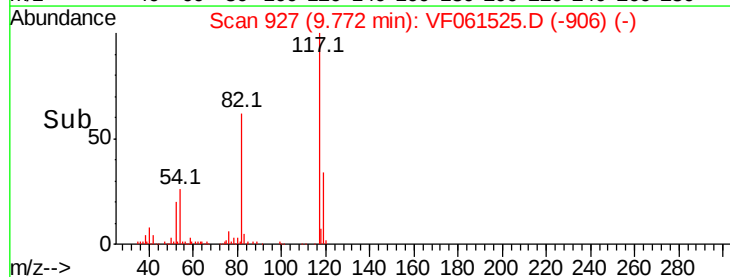
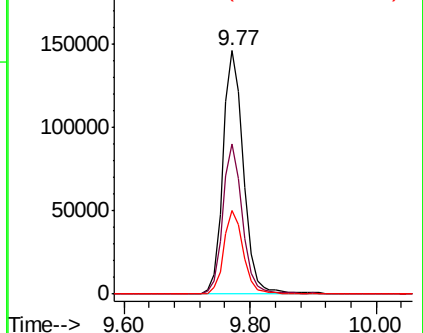
119 34.3 27.2 40.8

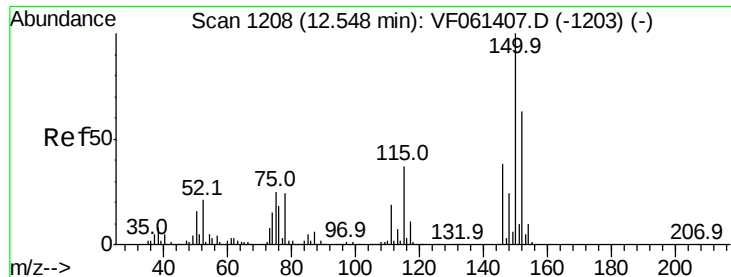


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061525.D

Acq: 25 Jan 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

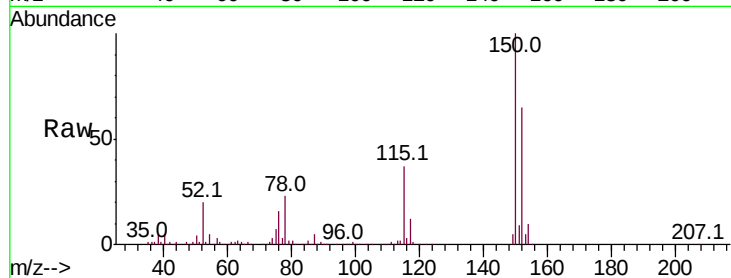
Tot Ion:152 Resp: 170474

Ion Ratio Lower Upper

152 100

115 56.1 30.0 90.0

150 153.1 0.0 321.4



Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

