

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061597.D
 Acq On : 11 Feb 2019 20:31
 Operator : VA/AP
 Sample : K1458-05RE
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 12 03:28:48 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	4.85	168	113637	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	197220	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	144169	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.53	152	37941	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	87932	62.67	ug/l	-0.01
Spiked Amount			Recovery	=	125.34%	
35) Dibromofluoromethane	4.10	113	89398	57.45	ug/l	0.00
Spiked Amount			Recovery	=	114.90%	
50) Toluene-d8	7.53	98	176154	41.31	ug/l	-0.01
Spiked Amount			Recovery	=	82.62%	
62) 4-Bromofluorobenzene	11.40	95	50920	25.56	ug/l	0.00
Spiked Amount			Recovery	=	51.12%	

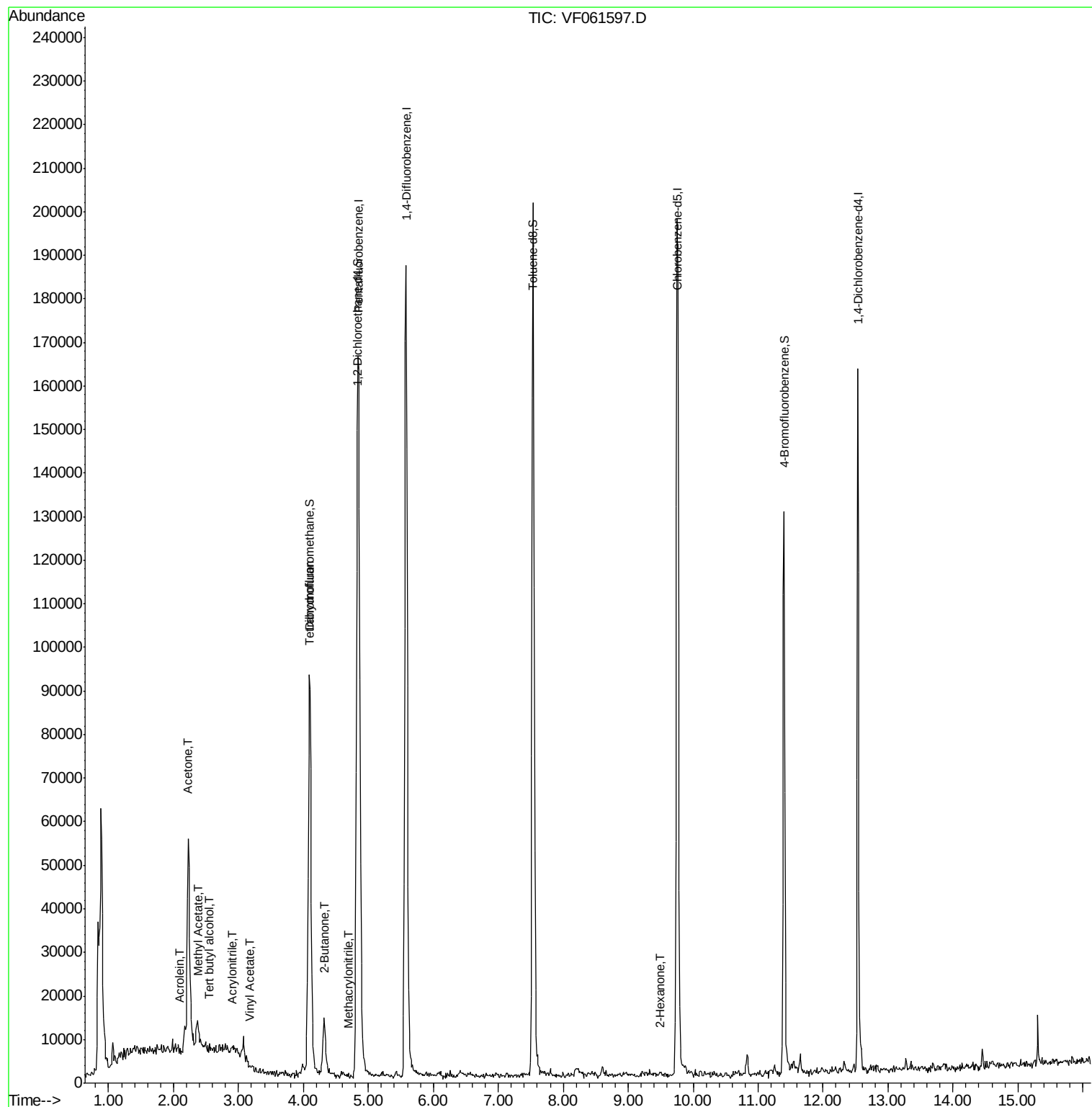
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.55	59	133	2.240	ug/l #	1
13) Acrolein	2.10	56	414	18.096	ug/l	94
14) Allyl chloride	2.06	41	399	Below Cal	#	86
15) Acrylonitrile	2.89	53	755	4.963	ug/l #	35
16) Acetone	2.23	43	81934	291.106	ug/l	97
18) Methyl Acetate	2.36	43	4428	7.933	ug/l #	61
20) Methylene Chloride	2.17	84	1600	Below Cal		93
23) Vinyl Acetate	3.18	43	345	3.409	ug/l #	78
25) 2-Butanone	4.31	43	28018	59.861	ug/l #	86
29) Tetrahydrofuran	4.11	42	299	1.484	ug/l #	38
41) Methacrylonitrile	4.70	41	506	1.040	ug/l #	43
49) 1,4-Dioxane	6.85	88	78	Below Cal	#	8
59) 2-Hexanone	9.48	43	932	1.585	ug/l	92

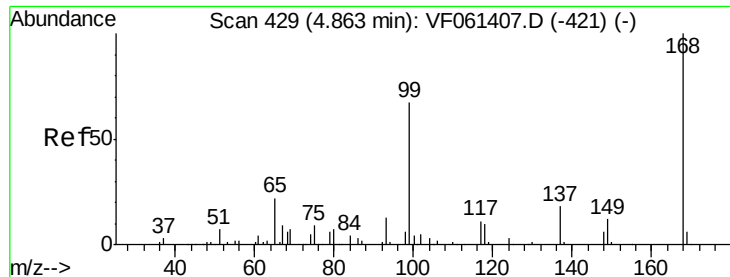
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021119\
Data File : VF061597.D
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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: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061597.D

Acq: 11 Feb 2019 20:31

Instrument :

MSVOA_F

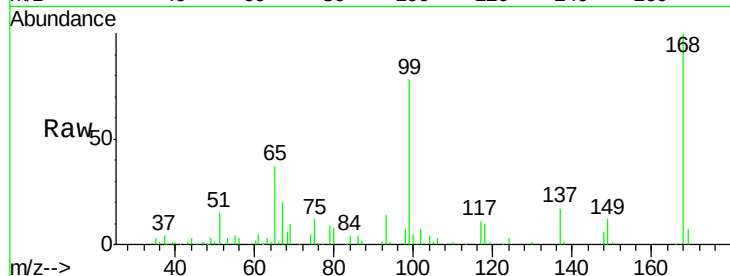
ClientSampleId :

Tot Ion:168 Resp: 113637

Ion Ratio Lower Upper

168 100

99 77.6 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

40000

30000

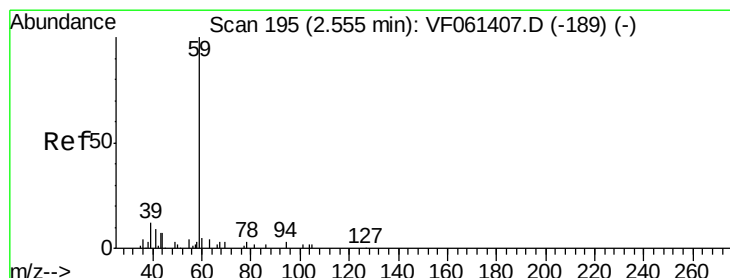
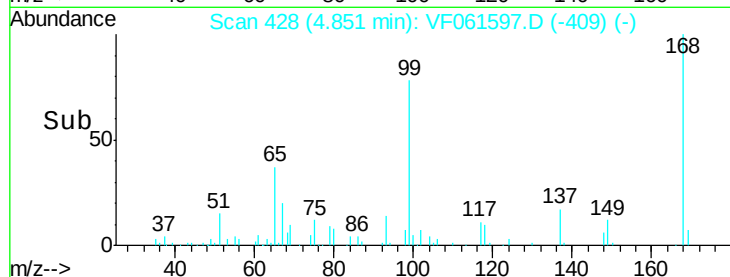
20000

10000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 2.240 ug/l

RT: 2.55 min Scan# 195

Delta R.T. -0.00 min

Lab File: VF061597.D

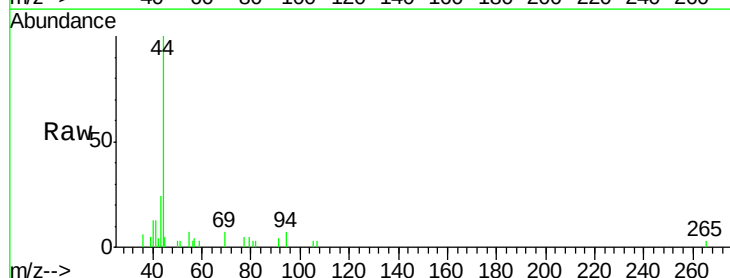
Acq: 11 Feb 2019 20:31

Tgt Ion: 59 Resp: 133

Ion Ratio Lower Upper

59 100

57 120.7 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.55

150

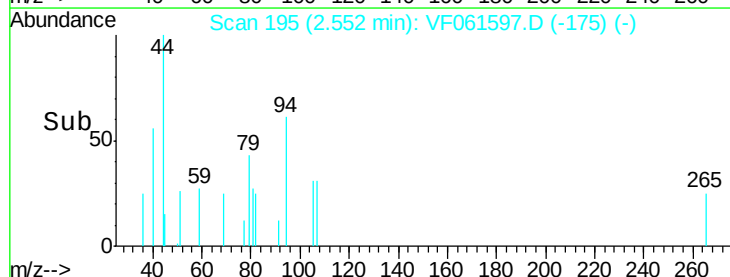
100

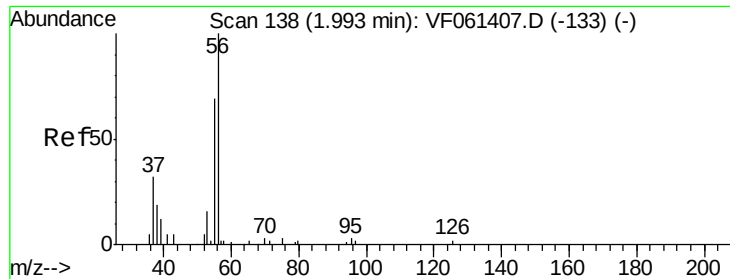
50

0

Time-->

2.52 2.54 2.56 2.58





#13

Acrolein

Concen: 18.096 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.11 min

Lab File: VF061597.D

Acq: 11 Feb 2019 20:31

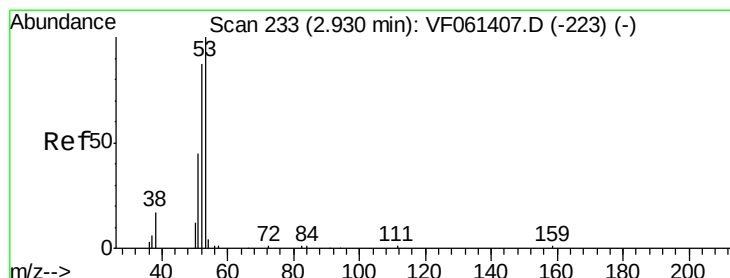
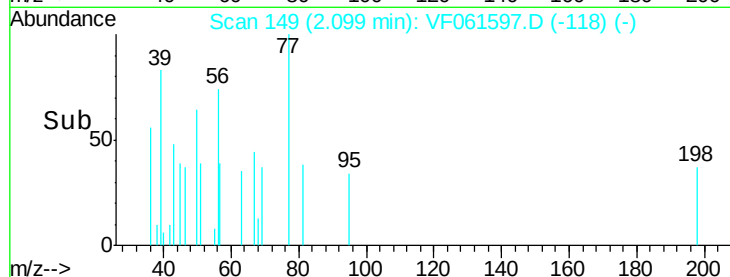
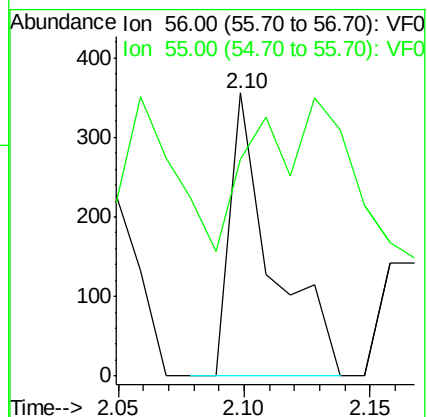
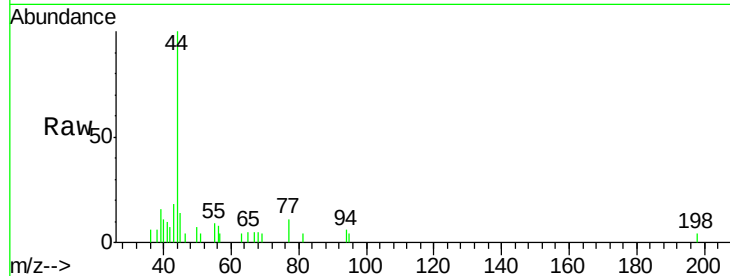
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 414

Ion Ratio Lower Upper

56 100

55 76.7 57.5 86.3



#15

Acrylonitrile

Concen: 4.963 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.04 min

Lab File: VF061597.D

Acq: 11 Feb 2019 20:31

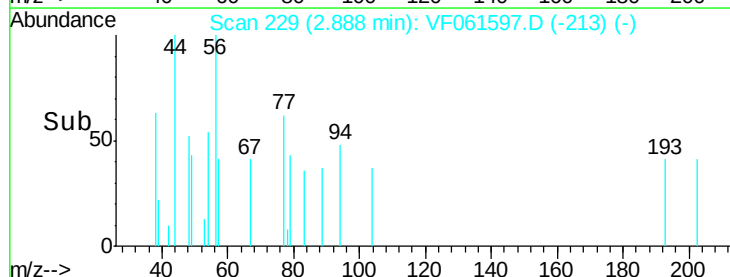
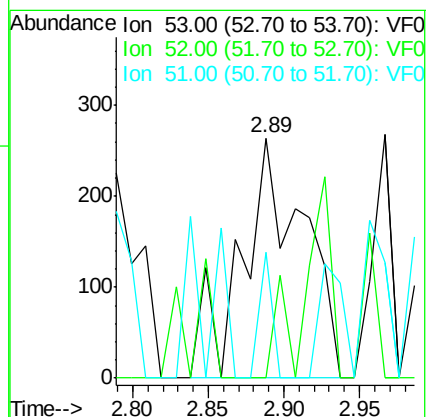
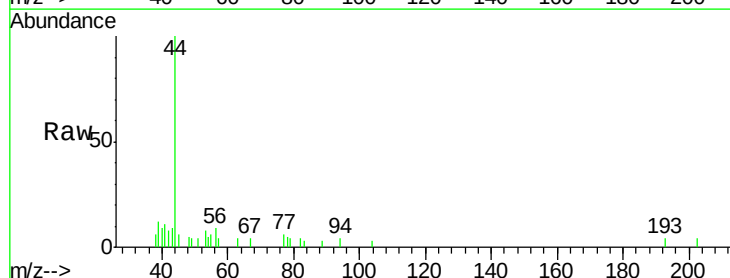
Tgt Ion: 53 Resp: 755

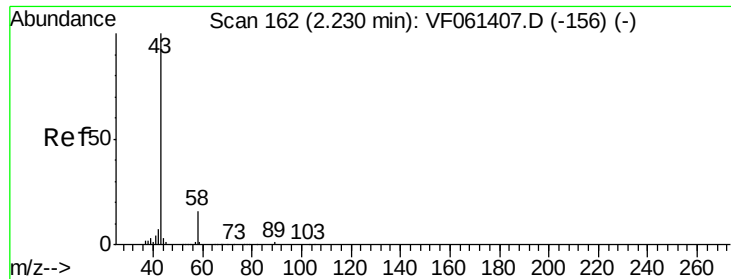
Ion Ratio Lower Upper

53 100

52 0.0 69.6 104.4#

51 52.7 36.8 55.2

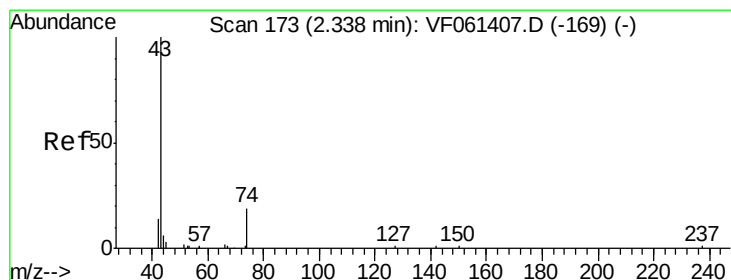
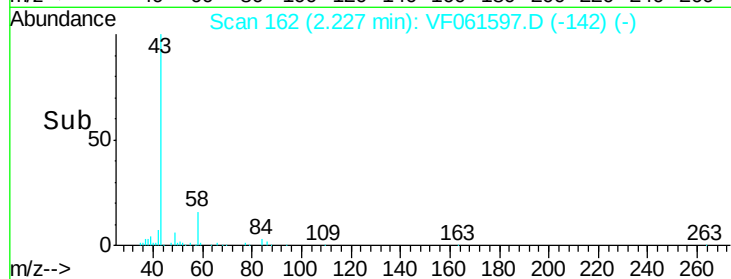
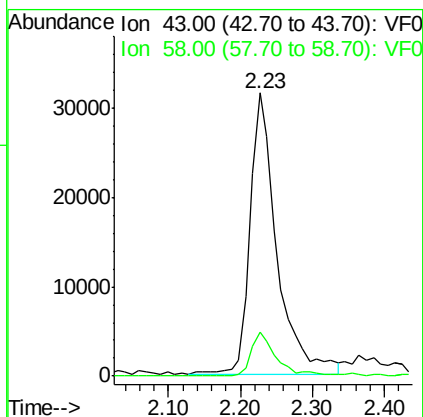
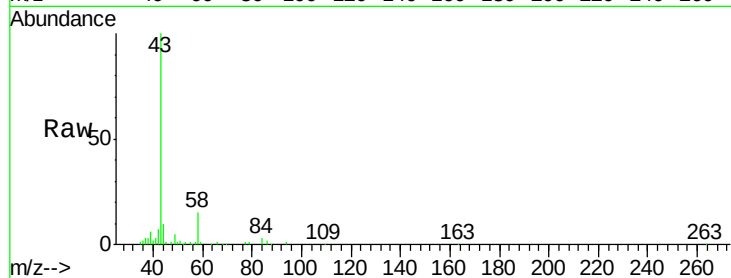




#16
Acetone
Concen: 291.106 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.00 min
Lab File: VF061597.D
Acq: 11 Feb 2019 20:31

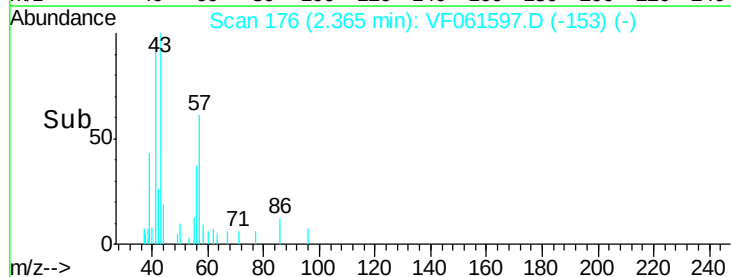
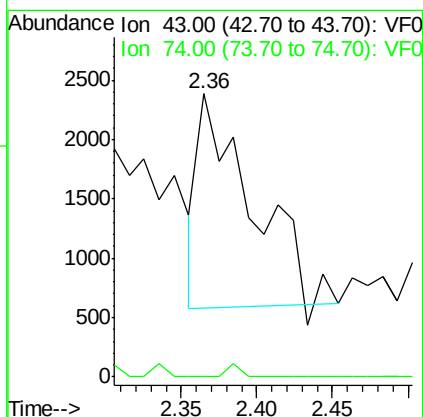
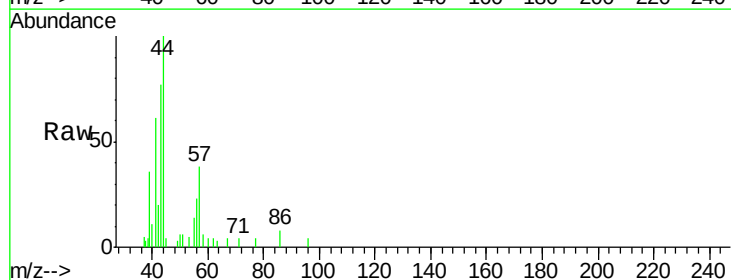
Instrument :
MSVOA_F
ClientSampleId :

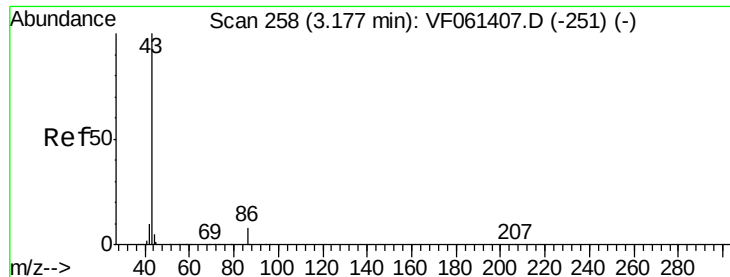
Tot Ion: 43 Resp: 81934
Ion Ratio Lower Upper
43 100
58 15.4 13.3 19.9



#18
Methyl Acetate
Concen: 7.933 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.03 min
Lab File: VF061597.D
Acq: 11 Feb 2019 20:31

Tgt Ion: 43 Resp: 4428
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#





#23

Vinyl Acetate

Concen: 3.409 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061597.D

Acq: 11 Feb 2019 20:31

Instrument :

MSVOA_F

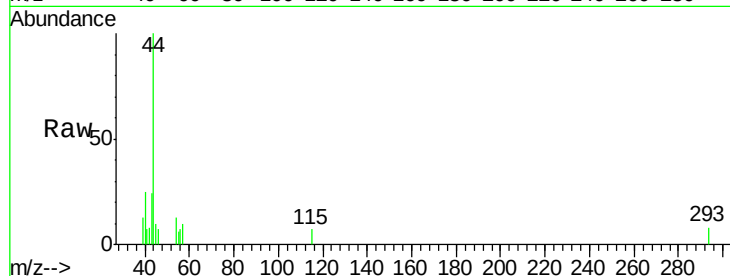
ClientSampleId :

Tot Ion: 43 Resp: 345

Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.4#



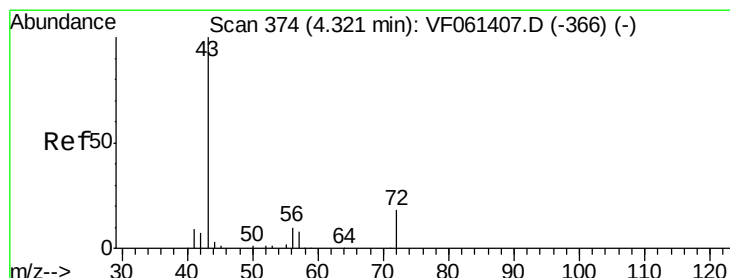
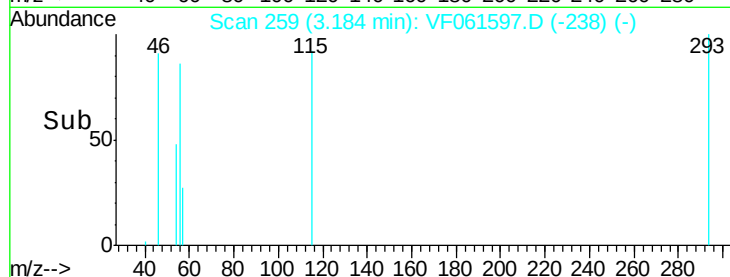
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

3.16 3.18 3.20

Time-->



#25

2-Butanone

Concen: 59.861 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.01 min

Lab File: VF061597.D

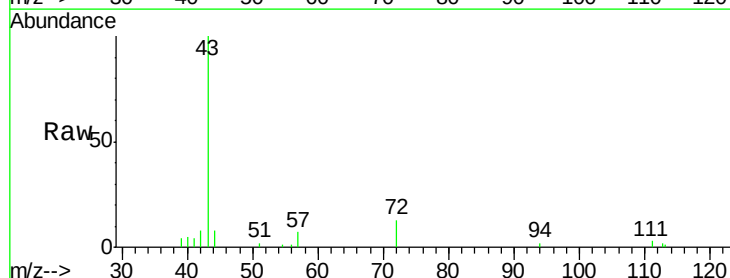
Acq: 11 Feb 2019 20:31

Tgt Ion: 43 Resp: 28018

Ion Ratio Lower Upper

43 100

72 13.4 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

10000

8000

6000

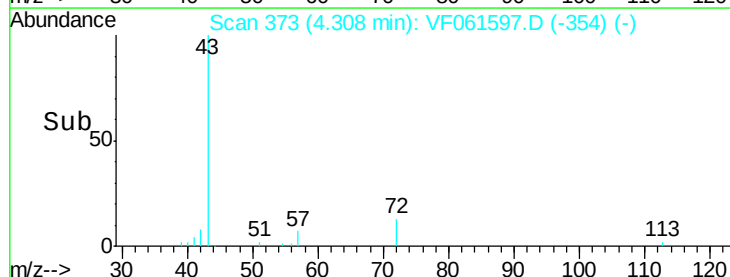
4000

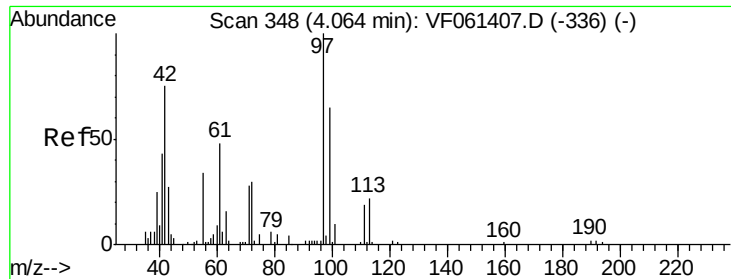
2000

0

4.20 4.30 4.40

Time-->

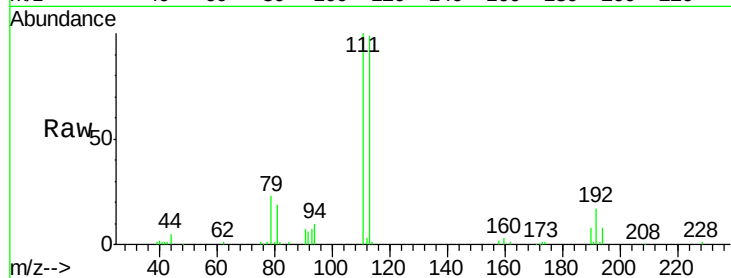




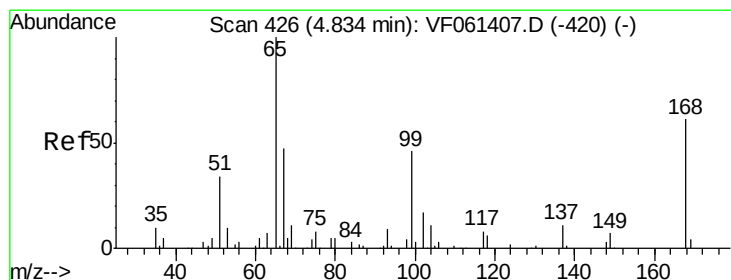
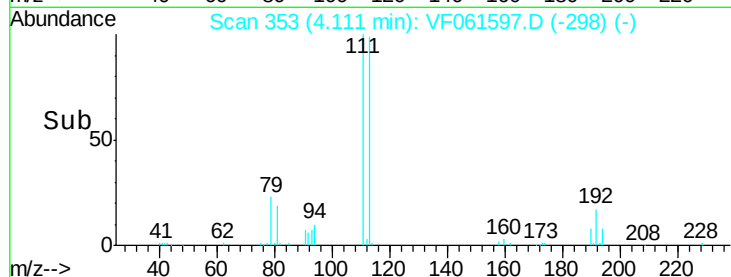
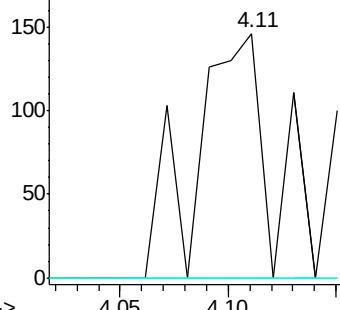
#29
Tetrahydrofuran
Concen: 1.484 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.05 min
Lab File: VF061597.D
Acq: 11 Feb 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 42 Resp: 299
Ion Ratio Lower Upper
42 100
72 0.0 28.9 43.3#
71 0.0 29.6 44.4#

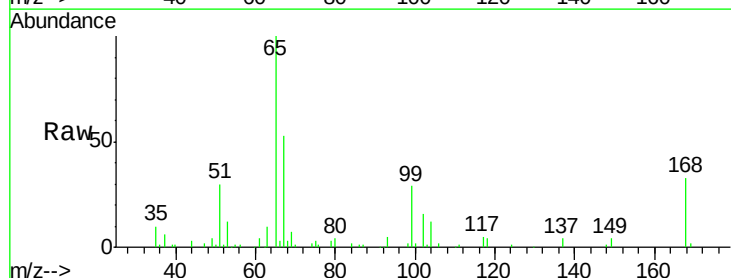


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

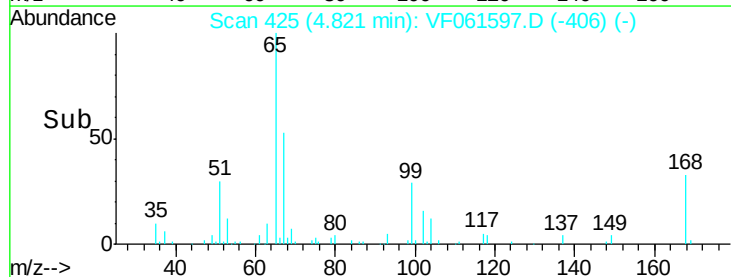
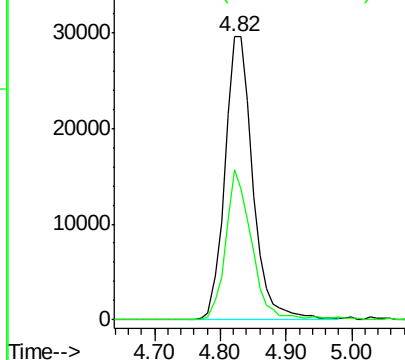


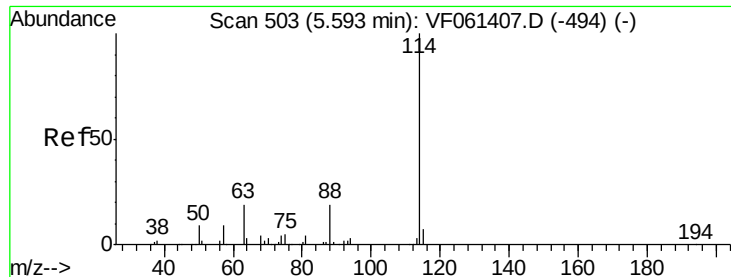
#33
1,2-Dichloroethane-d4
Concen: 62.674 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.01 min
Lab File: VF061597.D
Acq: 11 Feb 2019 20:31

Tgt Ion: 65 Resp: 87932
Ion Ratio Lower Upper
65 100
67 53.1 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0

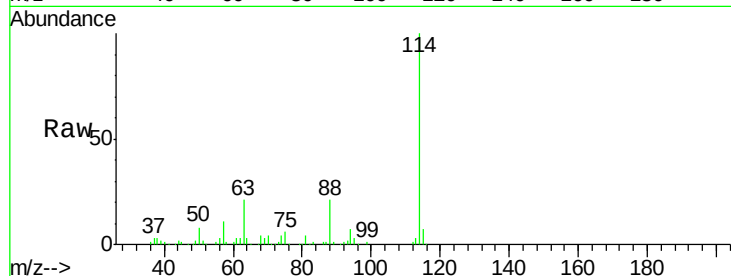




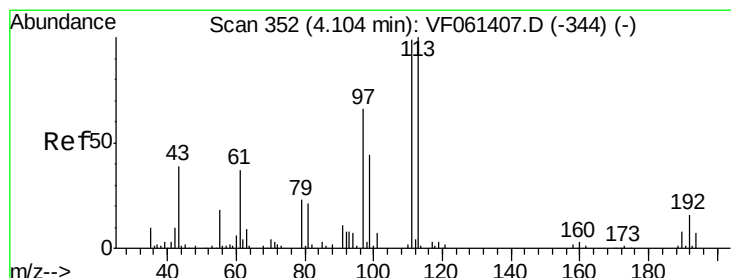
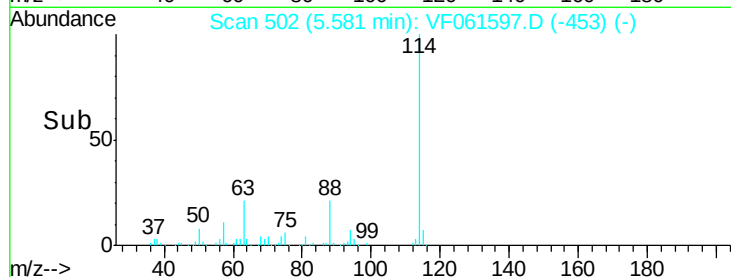
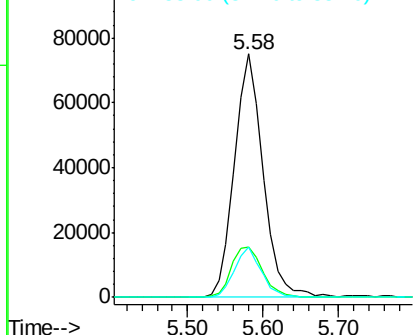
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF061597.D
 Acq: 11 Feb 2019 20:31

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:114 Resp: 197220
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.0
 88 20.6 0.0 37.4

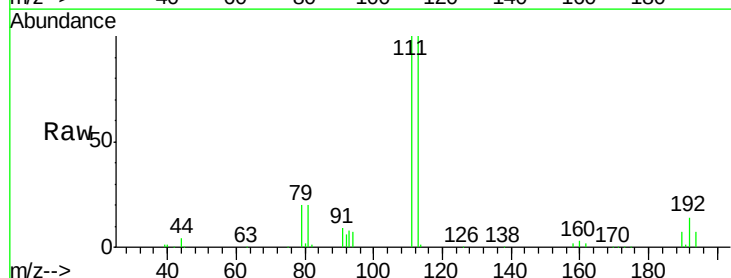


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

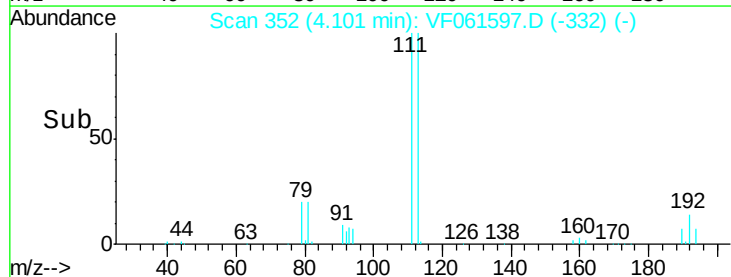
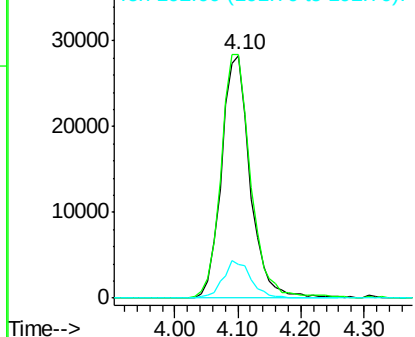


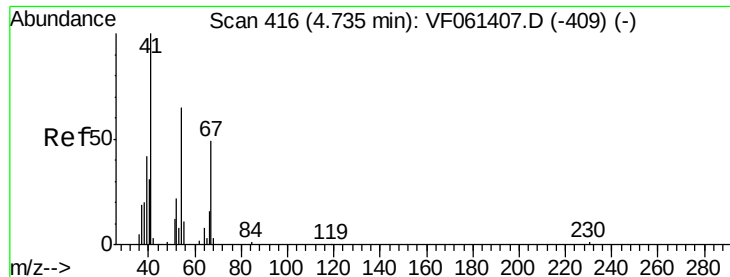
#35
 Dibromofluoromethane
 Concen: 57.445 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.00 min
 Lab File: VF061597.D
 Acq: 11 Feb 2019 20:31

Tgt Ion:113 Resp: 89398
 Ion Ratio Lower Upper
 113 100
 111 100.3 79.4 119.0
 192 13.8 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

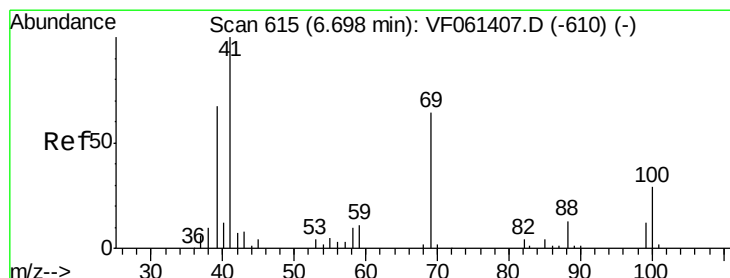
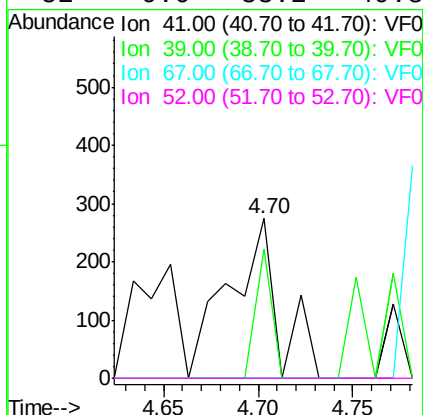
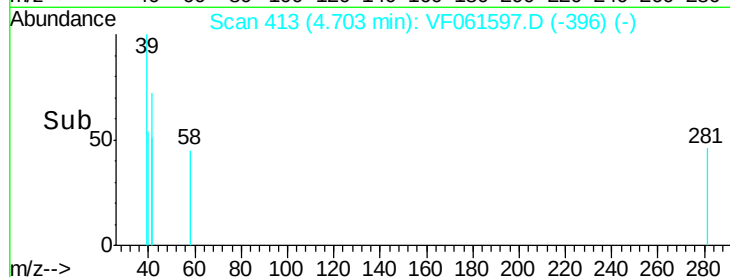
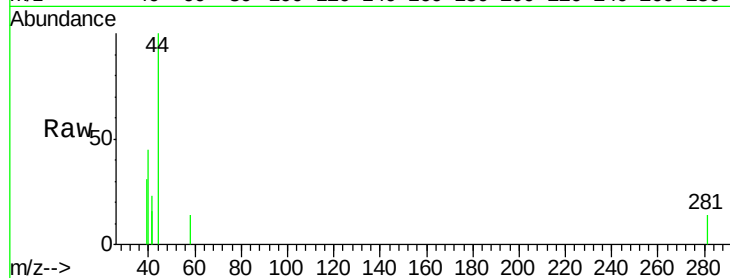




#41
Methacrylonitrile
Concen: 1.040 ug/l
RT: 4.70 min Scan# 413
Delta R.T. -0.03 min
Lab File: VF061597.D
Acq: 11 Feb 2019 20:31

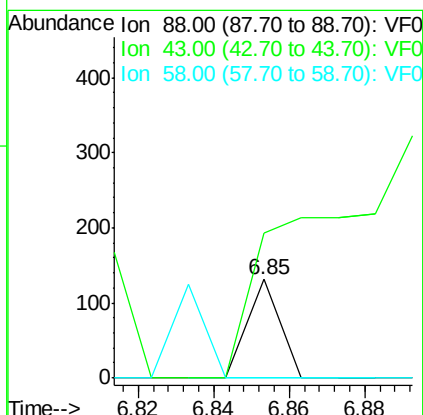
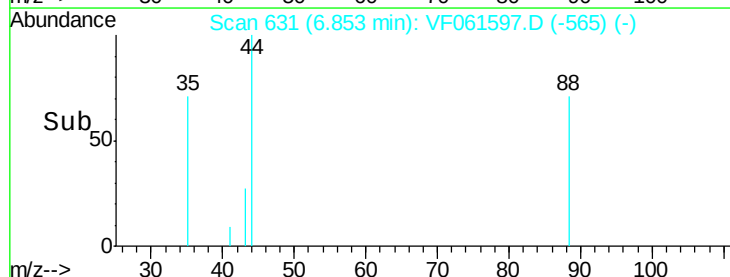
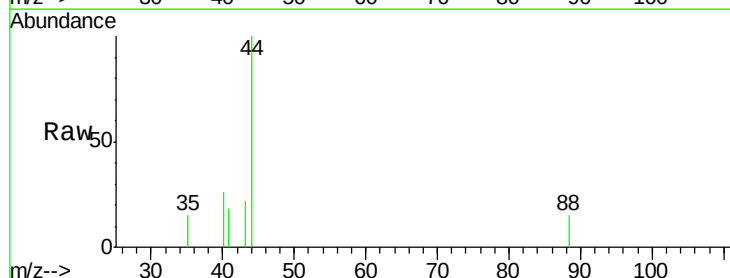
Instrument :
MSVOA_F
ClientSampleId :

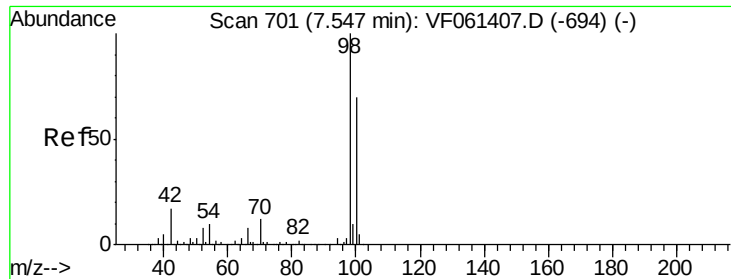
Tot Ion: 41 Resp: 506
Ion Ratio Lower Upper
41 100
39 81.0 43.1 64.7#
67 0.0 38.8 58.2#
52 0.0 33.2 49.8#



#49
1,4-Dioxane
Concen: Below Cal
RT: 6.85 min Scan# 631
Delta R.T. 0.16 min
Lab File: VF061597.D
Acq: 11 Feb 2019 20:31

Tgt Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 147.3 55.5 83.3#
58 0.0 59.9 89.9#





#50

Toluene-d8

Concen: 41.314 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF061597.D

Acq: 11 Feb 2019 20:31

Instrument :

MSVOA_F

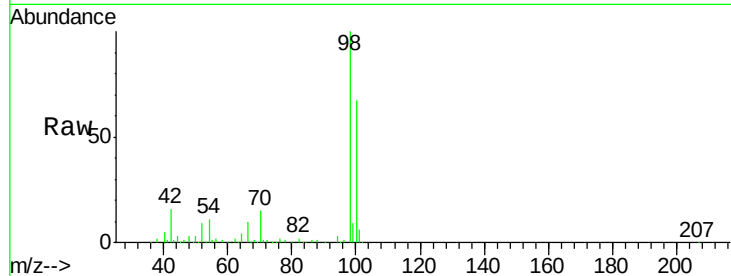
ClientSampleId :

Tot Ion: 98 Resp: 176154

Ion Ratio Lower Upper

98 100

100 67.4 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.53

80000

60000

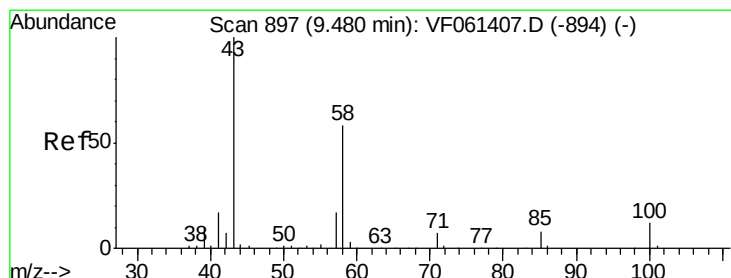
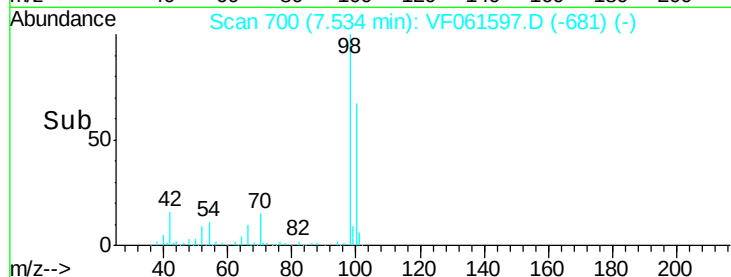
40000

20000

0

Time-->

7.40 7.50 7.60 7.70



#59

2-Hexanone

Concen: 1.585 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.00 min

Lab File: VF061597.D

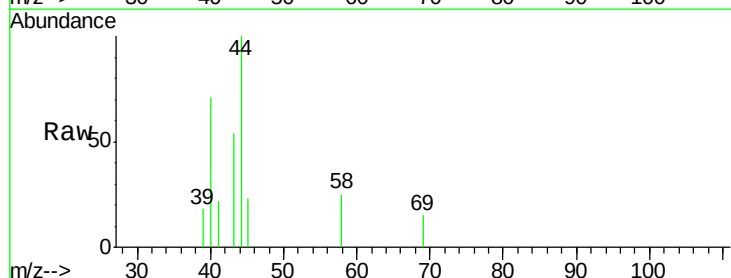
Acq: 11 Feb 2019 20:31

Tgt Ion: 43 Resp: 932

Ion Ratio Lower Upper

43 100

58 46.3 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.48

400

300

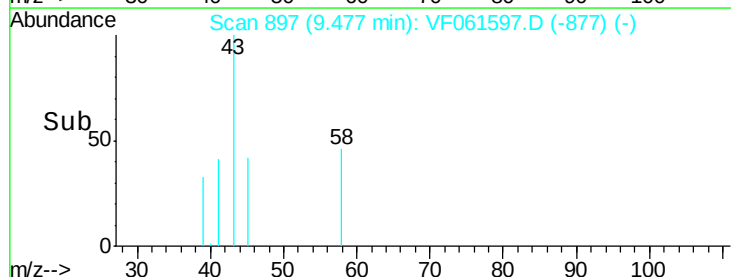
200

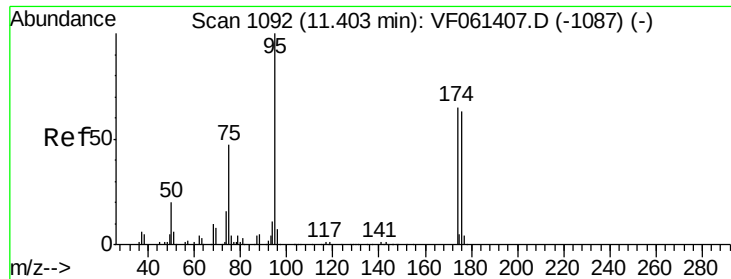
100

0

Time-->

9.45 9.50

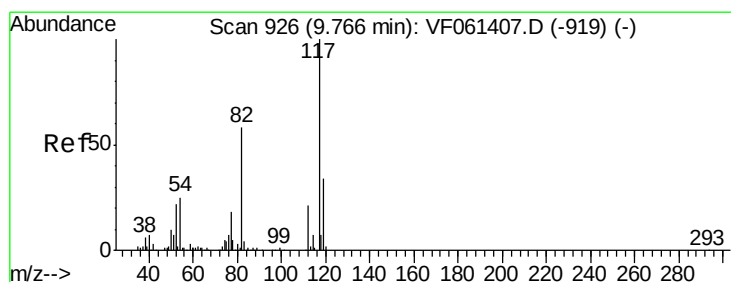
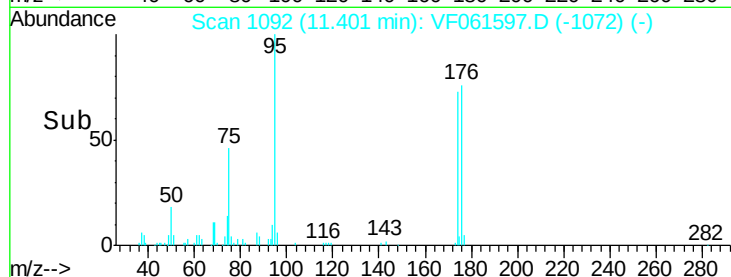
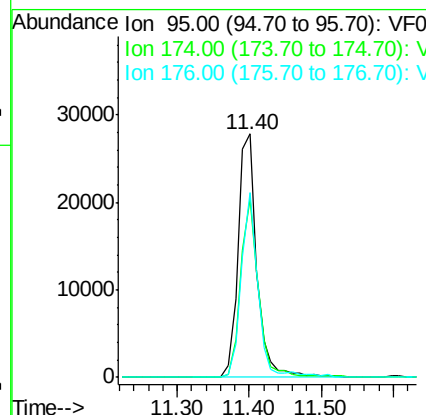
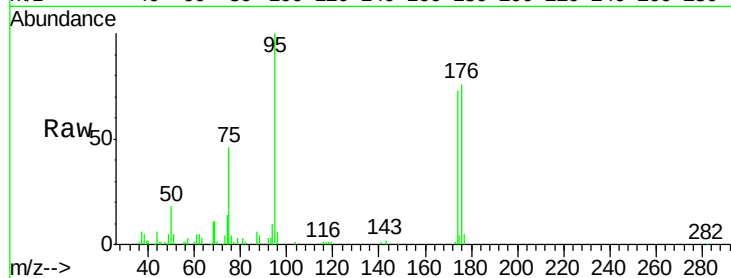




#62
4-Bromofluorobenzene
Concen: 25.560 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VF061597.D
Acq: 11 Feb 2019 20:31

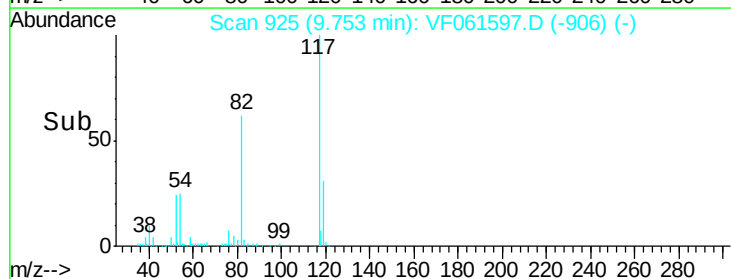
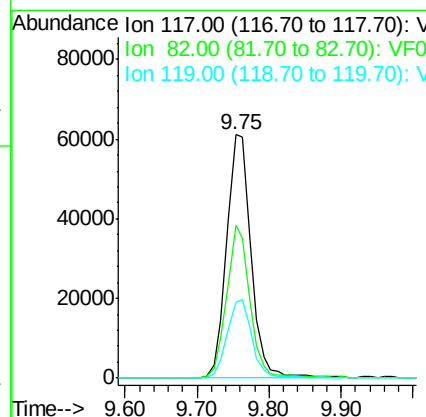
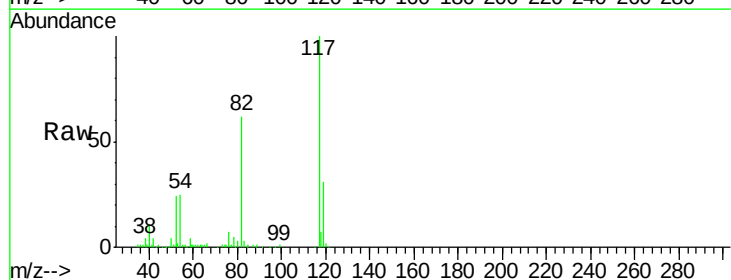
Instrument :
MSVOA_F
ClientSampleId :

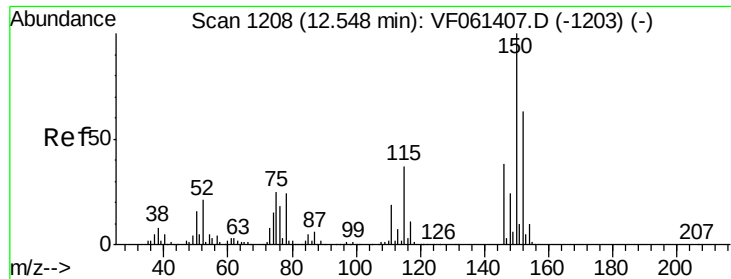
Tot Ion: 95 Resp: 50920
Ion Ratio Lower Upper
95 100
174 73.0 0.0 130.4
176 75.7 0.0 126.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VF061597.D
Acq: 11 Feb 2019 20:31

Tgt Ion: 117 Resp: 144169
Ion Ratio Lower Upper
117 100
82 62.5 46.4 69.6
119 31.0 27.2 40.8



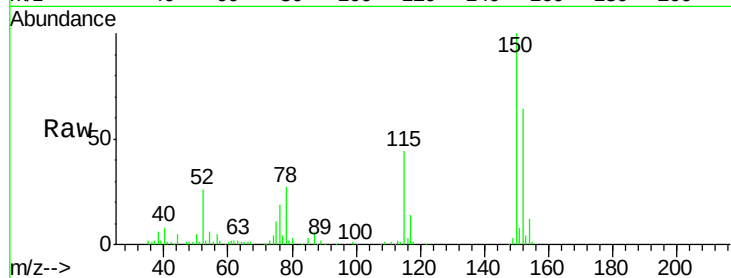


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061597.D
Acq: 11 Feb 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	68.2	30.0	90.0
150	156.6	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

