

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061398.D
 Acq On : 14 Jan 2019 19:28
 Operator : VA/AP
 Sample : K1139-11
 Misc : 4.13g/5mL/MSVOA-F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 14 21:43:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	150966	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	273402	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	209448	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	67875	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	98705	58.74	ug/l	-0.02
Spiked Amount			Recovery	=	117.48%	
35) Dibromofluoromethane	4.10	113	115123	55.03	ug/l	-0.02
Spiked Amount			Recovery	=	110.06%	
50) Toluene-d8	7.54	98	259502	41.92	ug/l	-0.03
Spiked Amount			Recovery	=	83.84%	
62) 4-Bromofluorobenzene	11.40	95	93533	34.60	ug/l	-0.02
Spiked Amount			Recovery	=	69.20%	

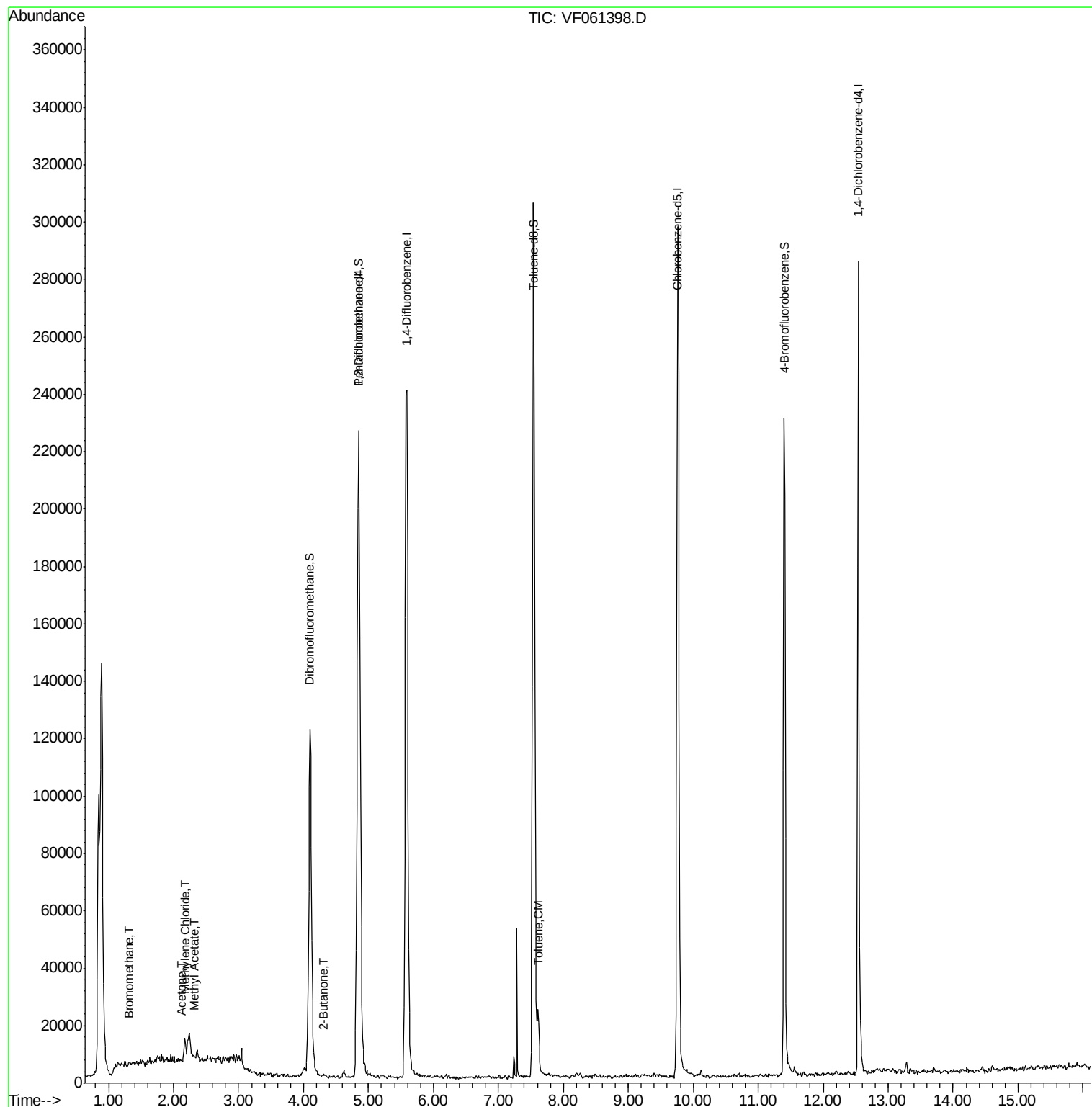
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.30	94	1185	3.489	ug/l #	6
13) Acrolein	1.99	56	634	Below Cal		95
16) Acetone	2.12	43	592	1.514	ug/l	98
18) Methyl Acetate	2.31	43	783	1.018	ug/l #	65
20) Methylene Chloride	2.18	84	2798	1.692	ug/l #	88
25) 2-Butanone	4.31	43	955	1.518	ug/l #	56
52) Toluene	7.61	92	11477	2.396	ug/l	94

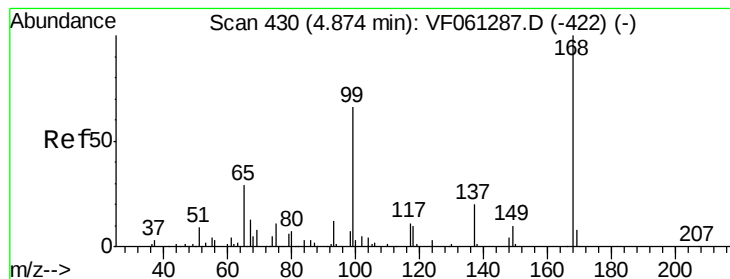
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011419\
Data File : VF061398.D
Acq On : 14 Jan 2019 19:28
Operator : VA/AP
Sample : K1139-11
Misc : 4.13g/5mL/MSVOA-F/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jan 14 21:43:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061398.D

Acq: 14 Jan 2019 19:28

Instrument :

MSVOA_F

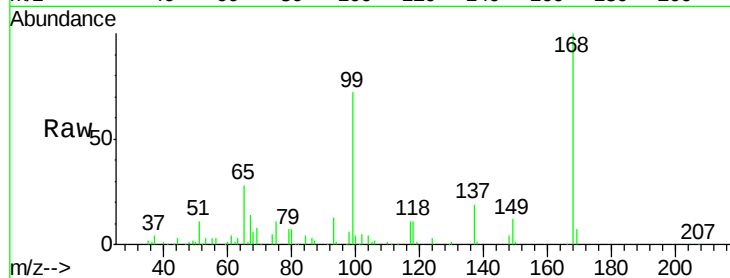
ClientSampleId :

Tot Ion:168 Resp: 150966

Ion Ratio Lower Upper

168 100

99 71.6 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

50000

40000

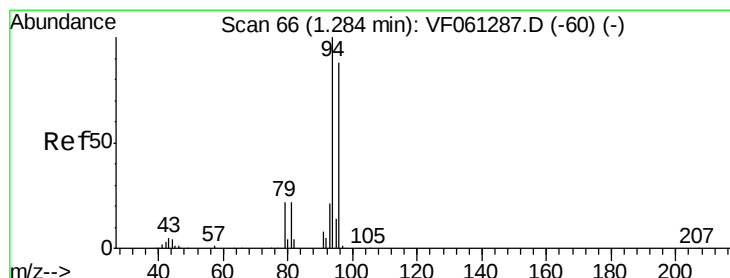
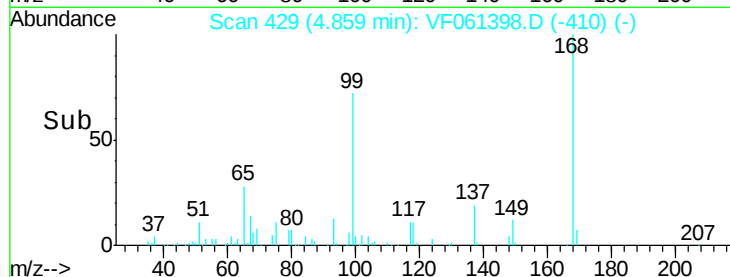
30000

20000

10000

0

Time-->



#5

Bromomethane

Concen: 3.489 ug/l

RT: 1.30 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF061398.D

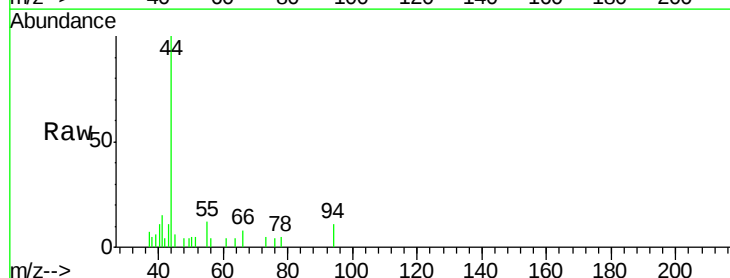
Acq: 14 Jan 2019 19:28

Tgt Ion: 94 Resp: 1185

Ion Ratio Lower Upper

94 100

96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.30

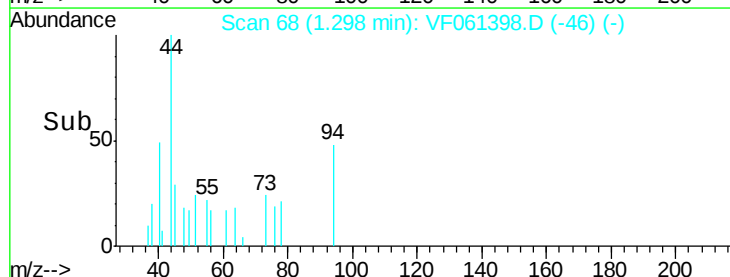
300

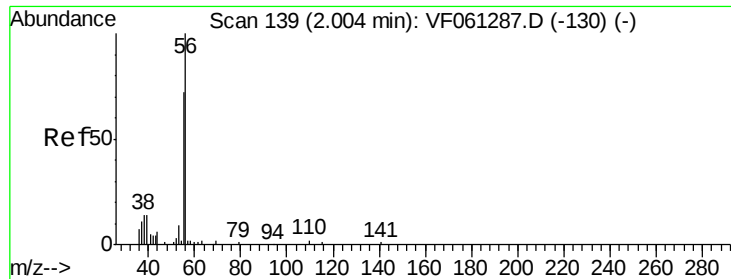
200

100

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF061398.D

Acq: 14 Jan 2019 19:28

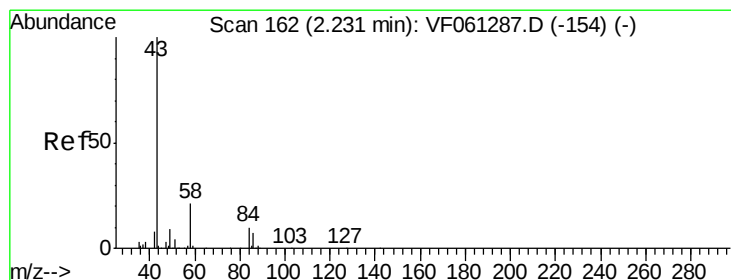
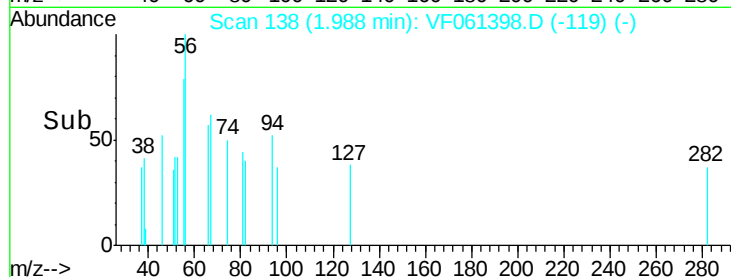
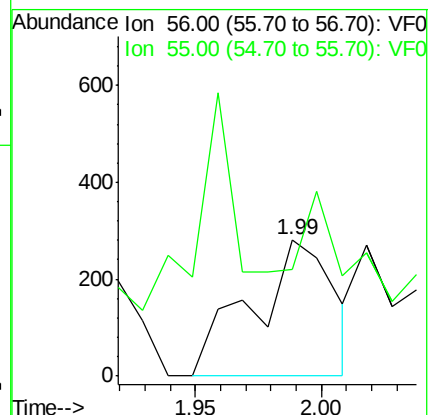
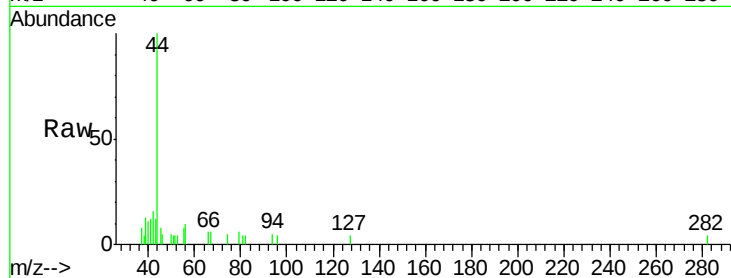
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 634

Ion Ratio Lower Upper

56 100

55 78.6 59.4 89.0



#16

Acetone

Concen: 1.514 ug/l

RT: 2.12 min Scan# 151

Delta R.T. -0.11 min

Lab File: VF061398.D

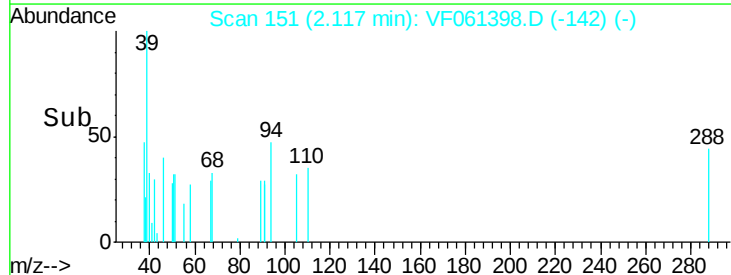
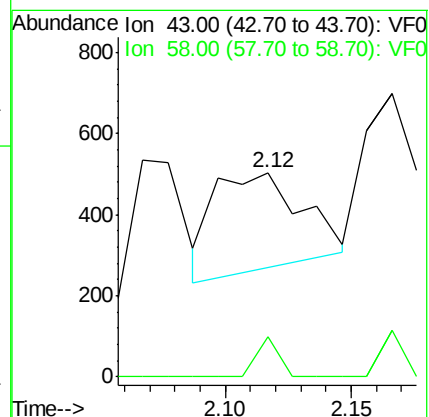
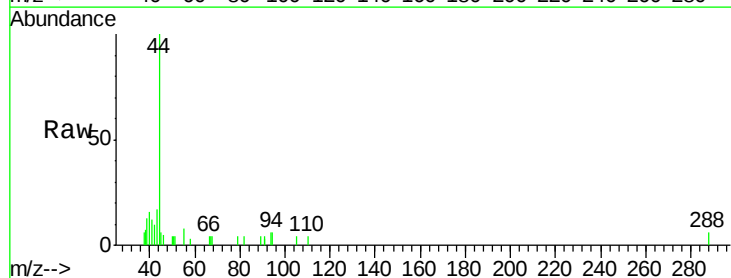
Acq: 14 Jan 2019 19:28

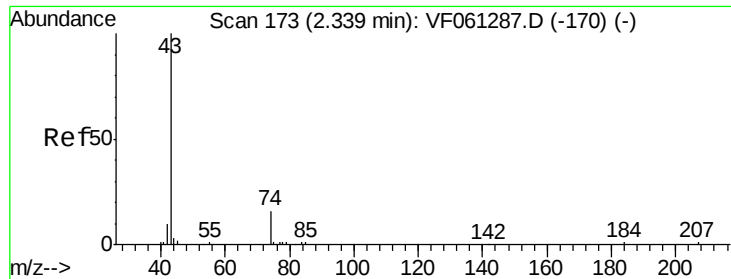
Tgt Ion: 43 Resp: 592

Ion Ratio Lower Upper

43 100

58 19.8 16.6 25.0

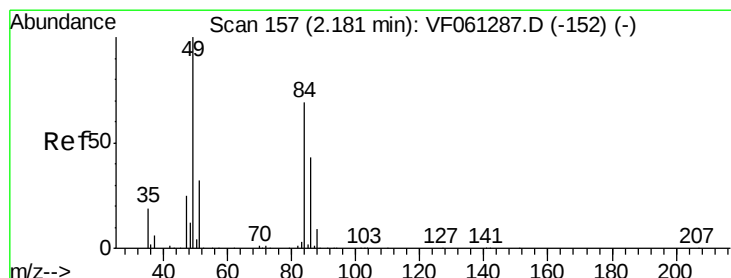
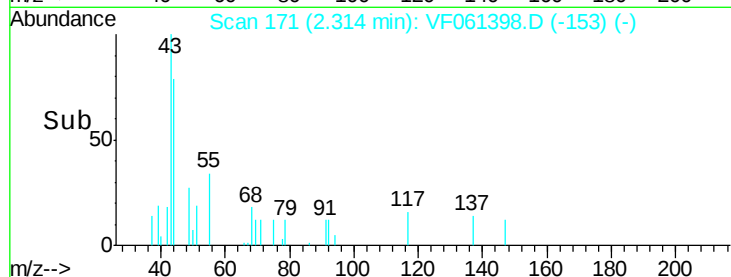
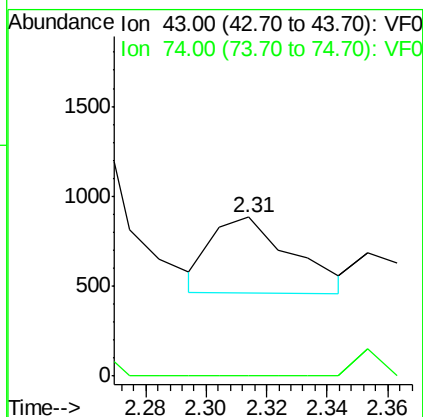
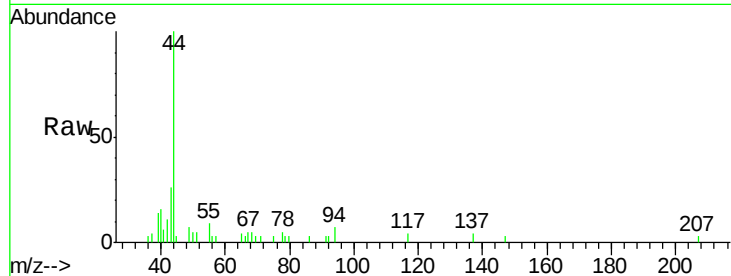




#18
Methyl Acetate
Concen: 1.018 ug/l
RT: 2.31 min Scan# 171
Delta R.T. -0.03 min
Lab File: VF061398.D
Acq: 14 Jan 2019 19:28

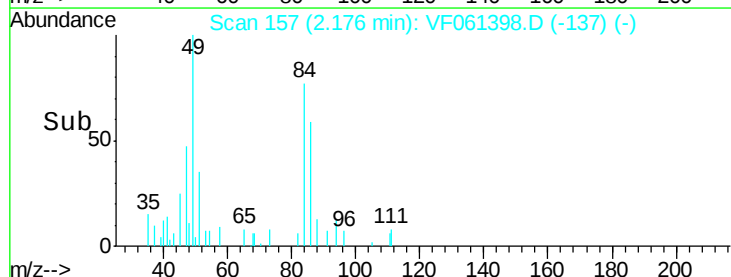
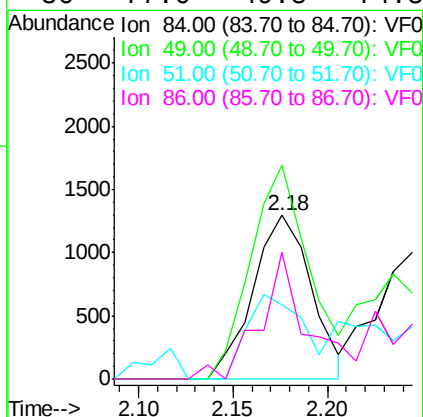
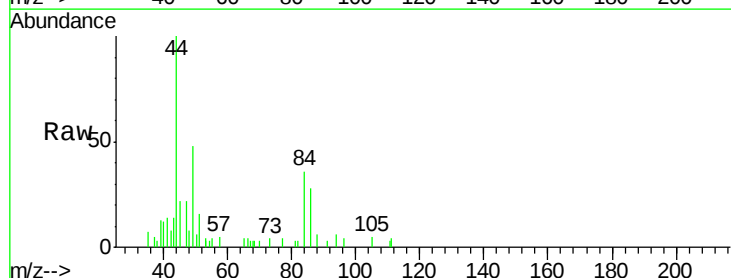
Instrument :
MSVOA_F
ClientSampled :

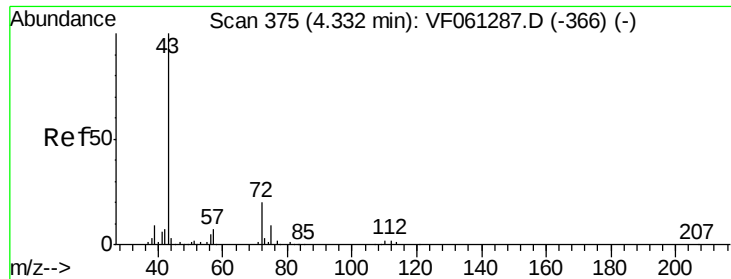
Tot Ion: 43 Resp: 783
Ion Ratio Lower Upper
43 100
74 0.0 11.6 17.4#



#20
Methylene Chloride
Concen: 1.692 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061398.D
Acq: 14 Jan 2019 19:28

Tgt Ion: 84 Resp: 2798
Ion Ratio Lower Upper
84 100
49 130.7 116.6 175.0
51 45.3 37.7 56.5
86 77.6 49.8 74.8#

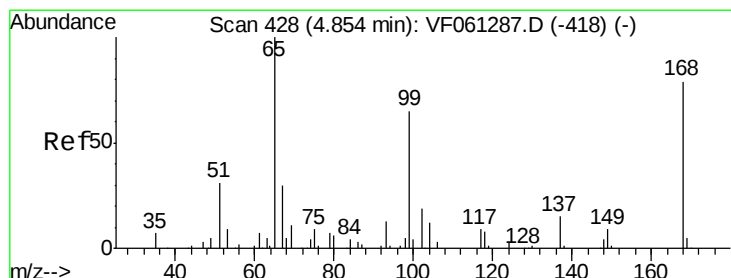
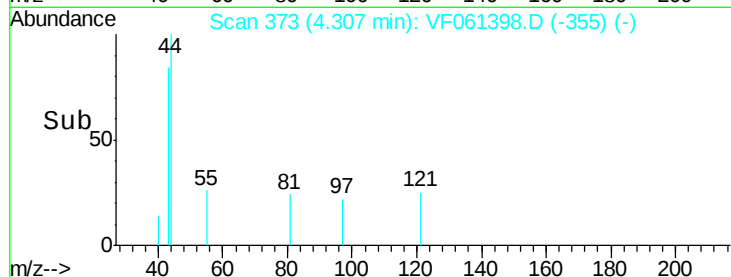
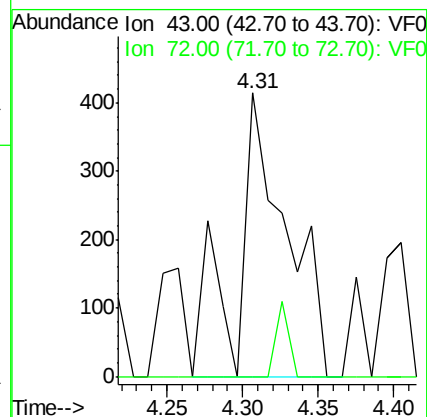
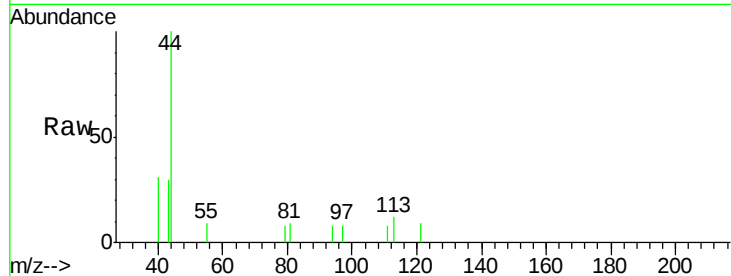




#25
2-Butanone
Concen: 1.518 ug/l
RT: 4.31 min Scan# 373
Delta R.T. -0.03 min
Lab File: VF061398.D
Acq: 14 Jan 2019 19:28

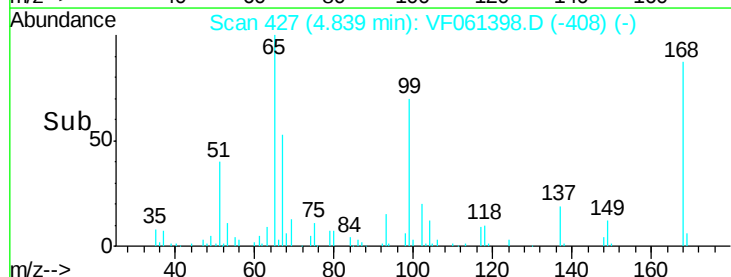
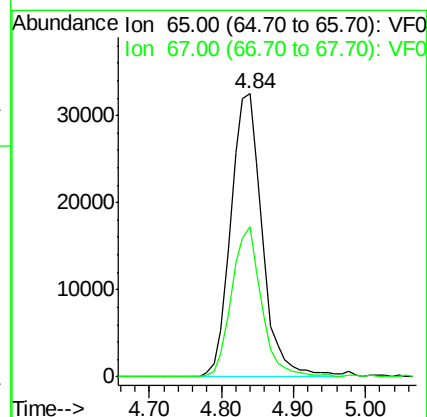
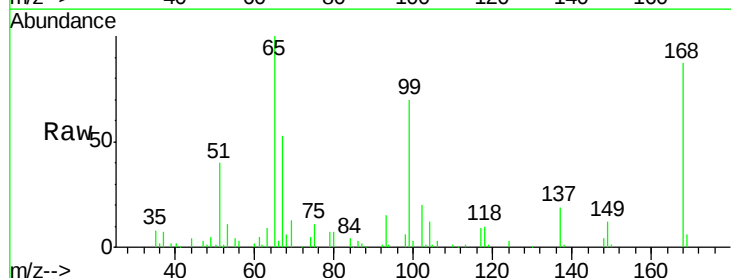
Instrument :
MSVOA_F
ClientSampleId :

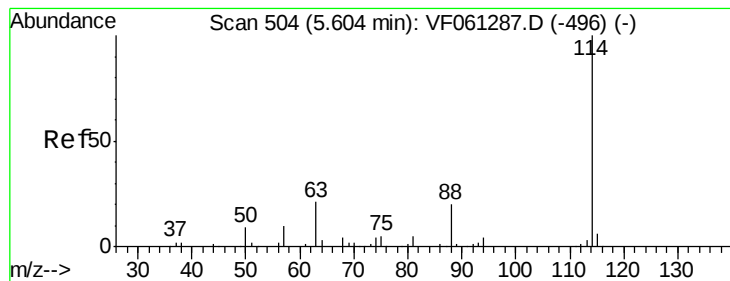
Tot Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
72 0.0 16.5 24.7#



#33
1,2-Dichloroethane-d4
Concen: 58.741 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.02 min
Lab File: VF061398.D
Acq: 14 Jan 2019 19:28

Tgt Ion: 65 Resp: 98705
Ion Ratio Lower Upper
65 100
67 53.2 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061398.D

Acq: 14 Jan 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

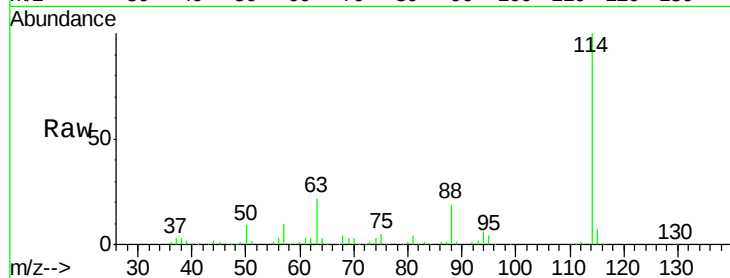
Tot Ion:114 Resp: 273402

Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.8

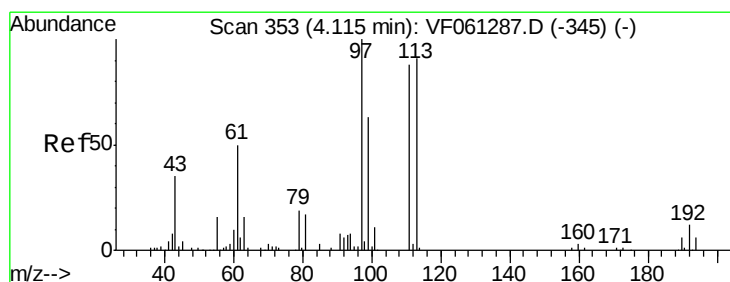
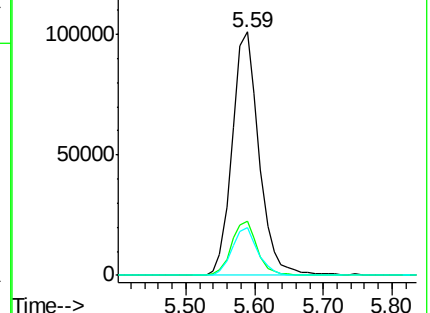
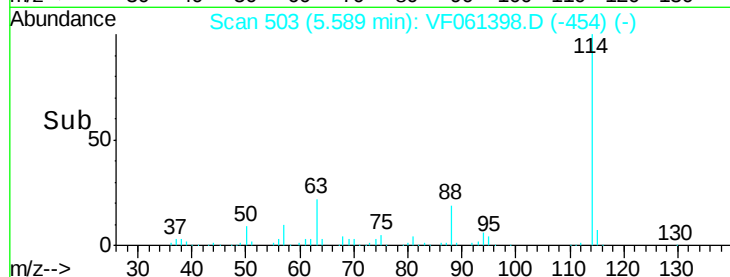
88 19.4 0.0 40.0



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: 55.031 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061398.D

Acq: 14 Jan 2019 19:28

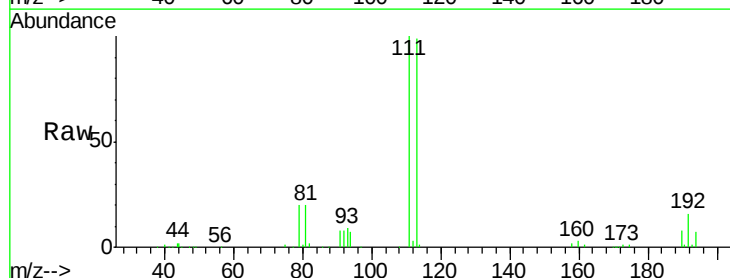
Tgt Ion:113 Resp: 115123

Ion Ratio Lower Upper

113 100

111 100.8 78.0 117.0

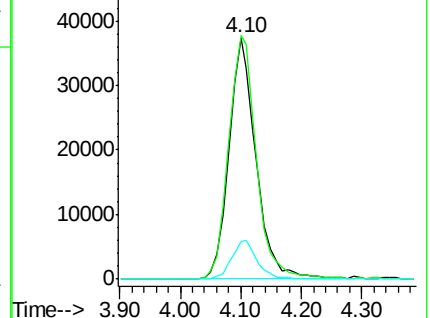
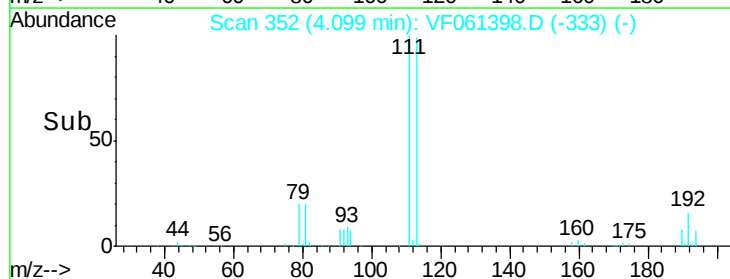
192 15.8 10.6 16.0

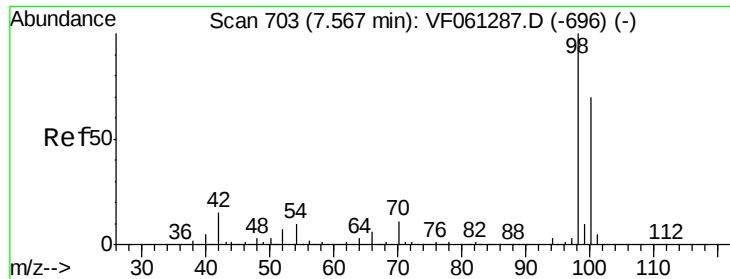


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

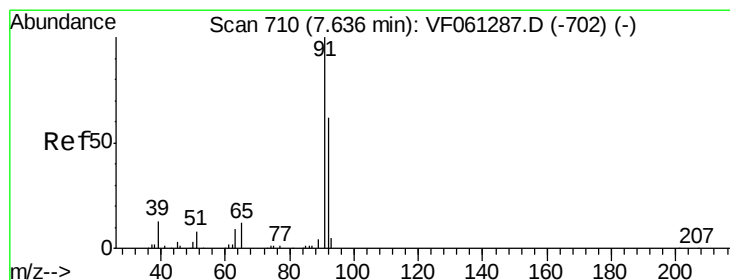
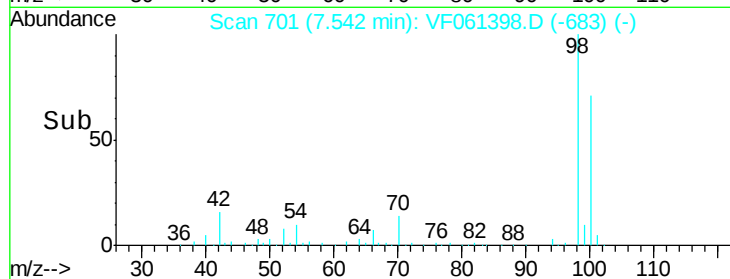
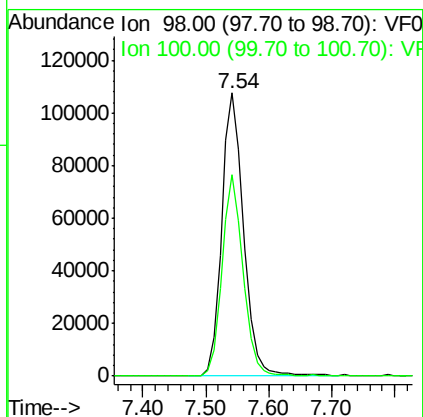
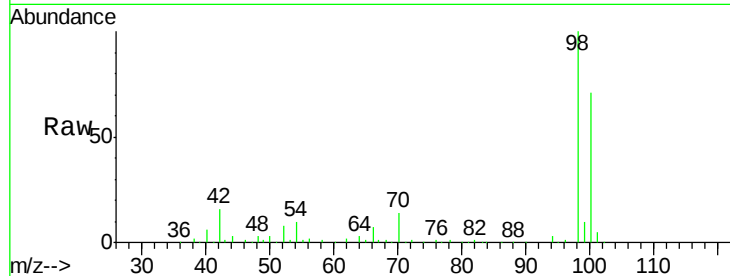




#50
Toluene-d8
Concen: 41.918 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.03 min
Lab File: VF061398.D
Acq: 14 Jan 2019 19:28

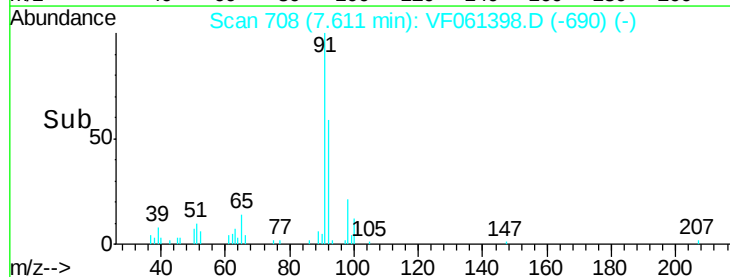
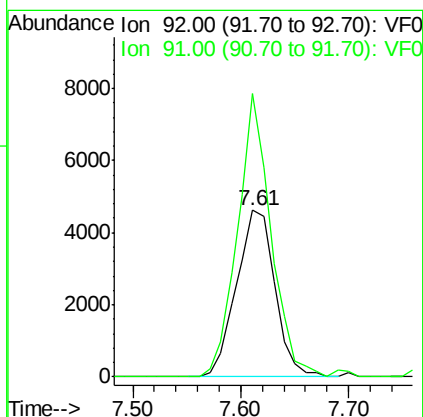
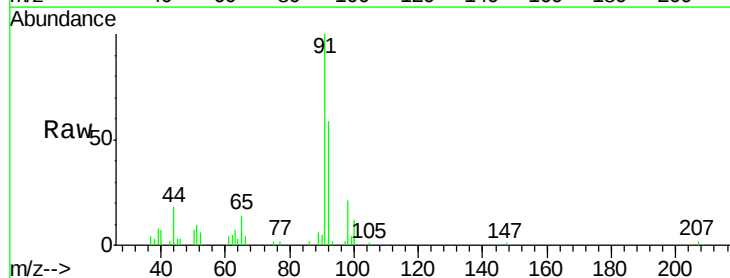
Instrument :
MSVOA_F
ClientSampleId :

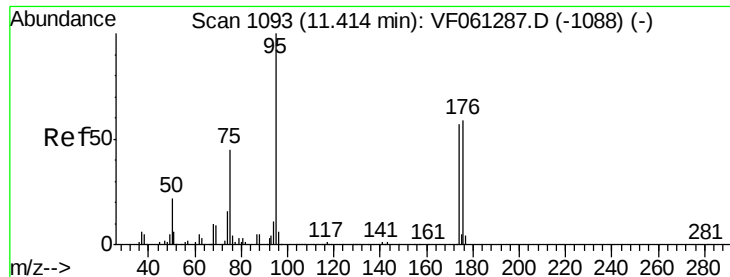
Tot Ion: 98 Resp: 259502
Ion Ratio Lower Upper
98 100
100 71.1 55.6 83.4



#52
Toluene
Concen: 2.396 ug/l
RT: 7.61 min Scan# 708
Delta R.T. -0.03 min
Lab File: VF061398.D
Acq: 14 Jan 2019 19:28

Tgt Ion: 92 Resp: 11477
Ion Ratio Lower Upper
92 100
91 169.7 129.2 193.8

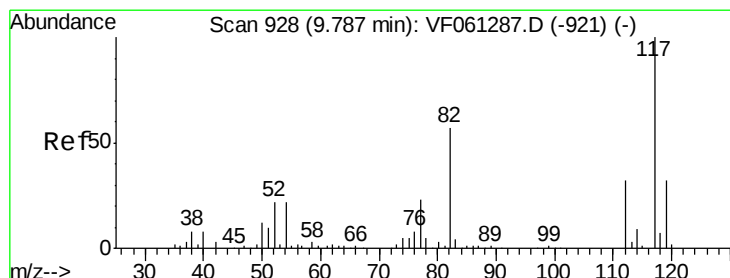
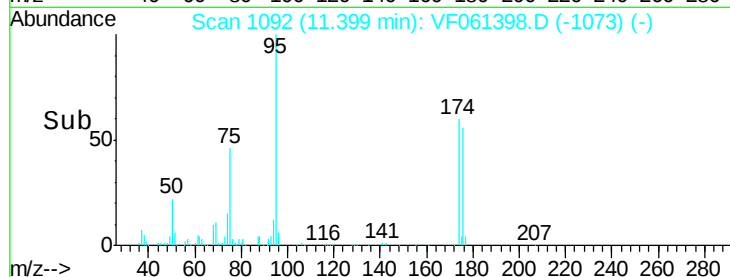
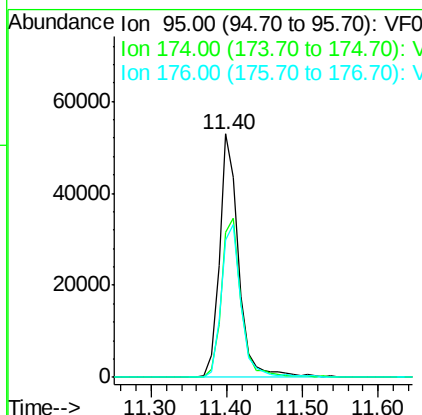
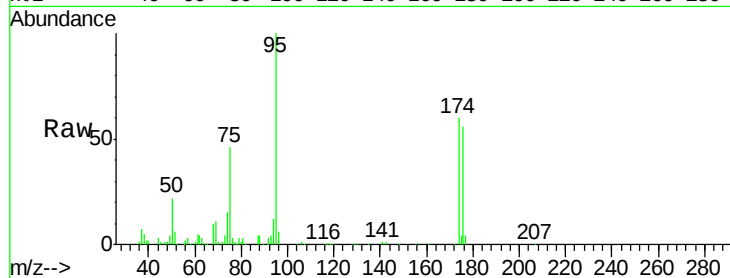




#62
4-Bromofluorobenzene
Concen: 34.601 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061398.D
Acq: 14 Jan 2019 19:28

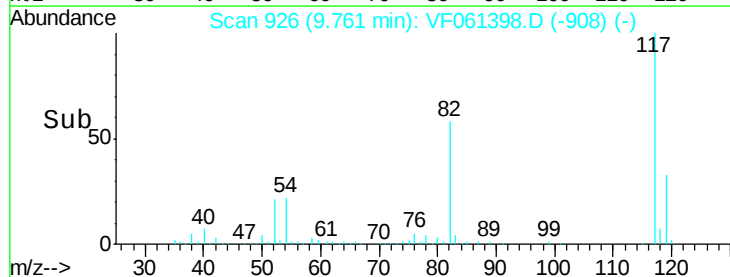
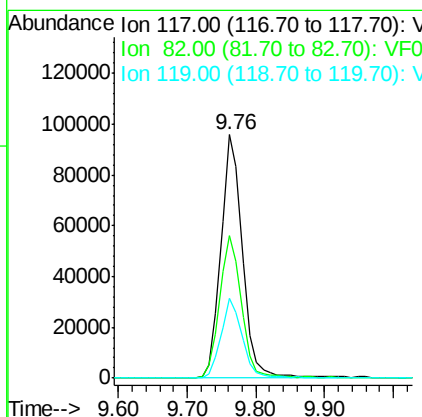
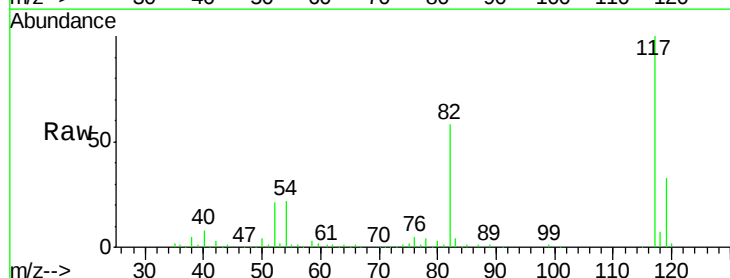
Instrument :
MSVOA_F
ClientSampleId :

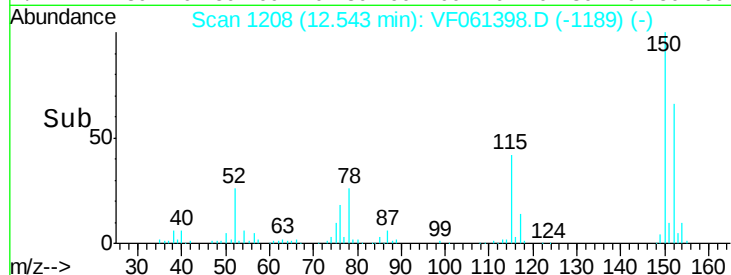
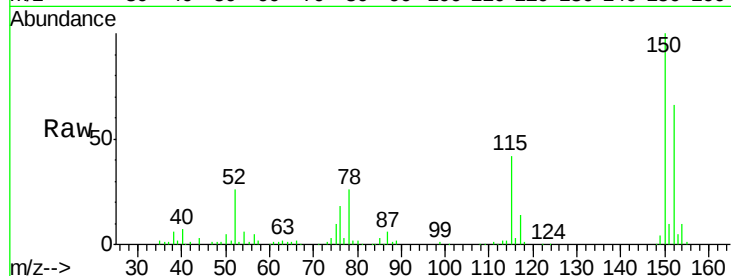
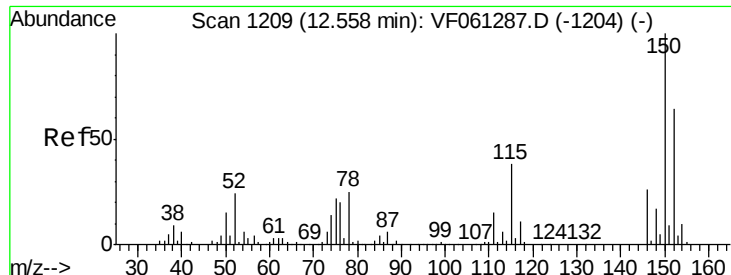
Tot Ion: 95 Resp: 93533
Ion Ratio Lower Upper
95 100
174 59.7 0.0 114.2
176 56.3 0.0 117.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061398.D
Acq: 14 Jan 2019 19:28

Tgt Ion: 117 Resp: 209448
Ion Ratio Lower Upper
117 100
82 58.4 45.3 67.9
119 32.6 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: VF061398.D
 Acq: 14 Jan 2019 19:28

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	64.5	29.6	88.9
150	151.9	0.0	315.4

