

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011119\
 Data File : VF061381.D
 Acq On : 11 Jan 2019 21:27
 Operator : VA/AP
 Sample : K1081-01
 Misc : 6.50µ/5mL/MSVOA-F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-3A-G-1-010819

Quant Time: Jan 12 03:35:35 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

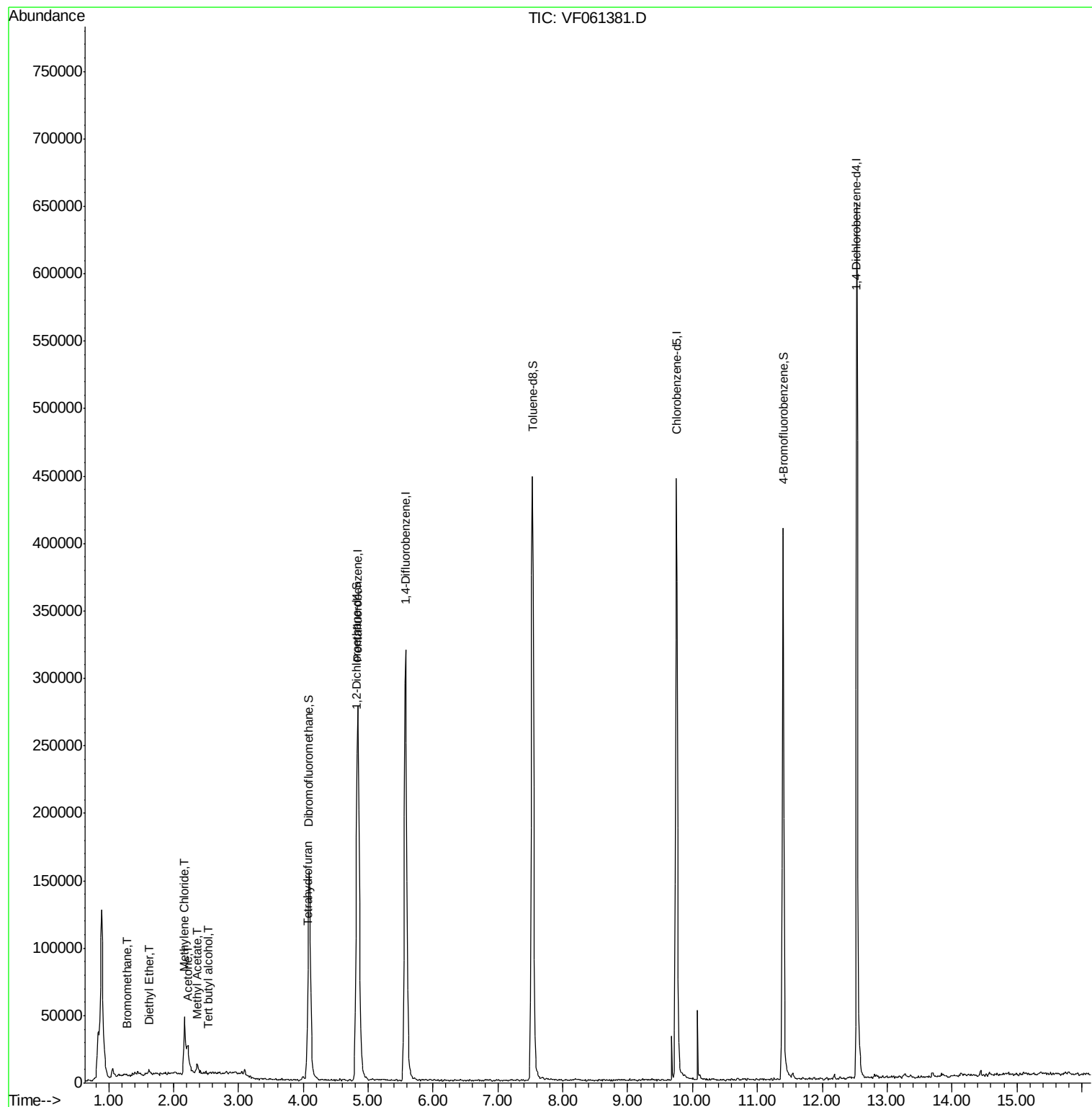
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	195295	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	364780	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	320004	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	155230	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	116715	53.69	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	107.38%	
35) Dibromofluoromethane	4.09	113	143010	51.24	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	102.48%	
50) Toluene-d8	7.53	98	384281	46.52	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	93.04%	
62) 4-Bromofluorobenzene	11.40	95	175682	48.71	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	97.42%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.28	94	203	2.991	ug/l #	6
8) Diethyl Ether	1.62	74	941	1.318	ug/l	91
11) Tert butyl alcohol	2.54	59	375	4.309	ug/l #	58
13) Acrolein	2.00	56	476	Below Cal		92
16) Acetone	2.22	43	9450	18.688	ug/l	98
18) Methyl Acetate	2.36	43	4524	4.547	ug/l #	65
20) Methylene Chloride	2.17	84	28062	13.118	ug/l	93
29) Tetrahydrofuran	4.06	42	842	2.474	ug/l #	43

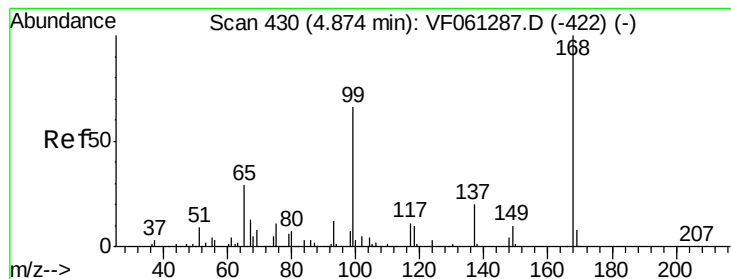
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011119\
Data File : VF061381.D
Acq On : 11 Jan 2019 21:27
Operator : VA/AP
Sample : K1081-01
Misc : 6.50g/5mL/MSVOA-F/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SUP-3A-G-1-010819

Quant Time: Jan 12 03:35:35 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: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061381.D

Acq: 11 Jan 2019 21:27

Instrument :

MSVOA_F

ClientSampleId :

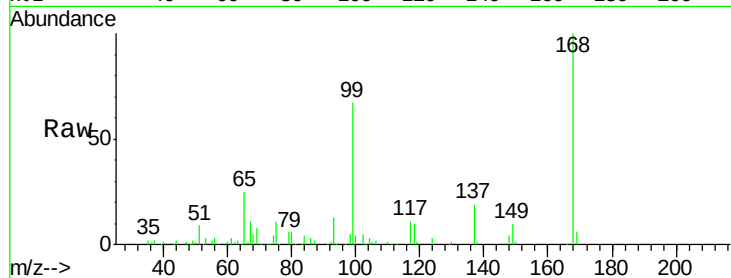
SUP-3A-G-1-010819

Tot Ion:168 Resp: 195295

Ion Ratio Lower Upper

168 100

99 66.7 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

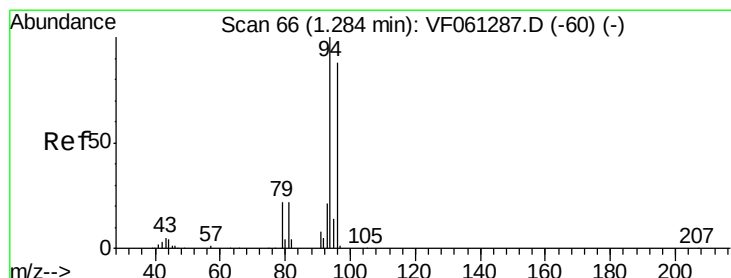
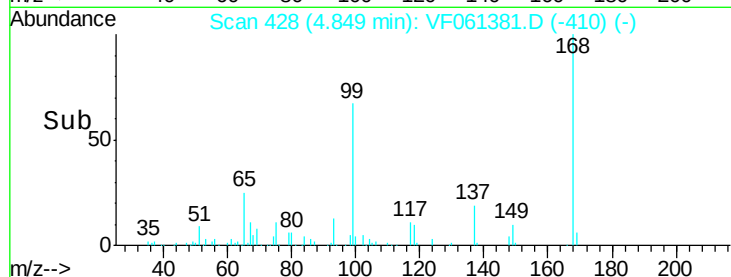
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#5

Bromomethane

Concen: 2.991 ug/l

RT: 1.28 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF061381.D

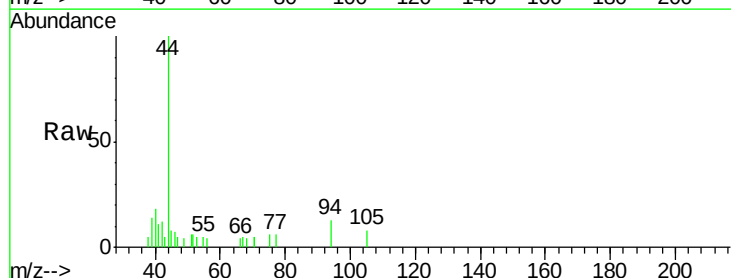
Acq: 11 Jan 2019 21:27

Tgt Ion: 94 Resp: 203

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

1.28

400

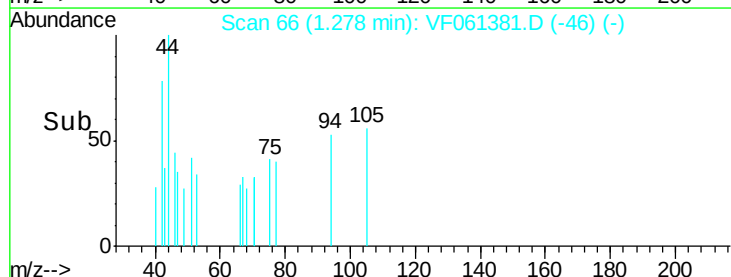
300

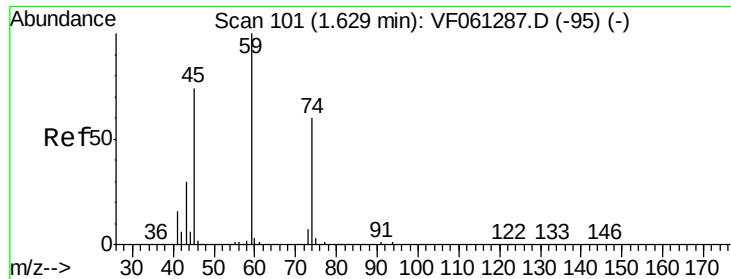
200

100

0

Time--> 1.26 1.27 1.28 1.29





#8

Diethyl Ether

Concen: 1.318 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061381.D

Acq: 11 Jan 2019 21:27

Instrument :

MSVOA_F

ClientSampleId :

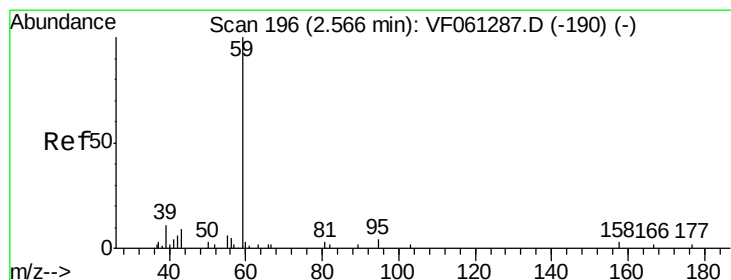
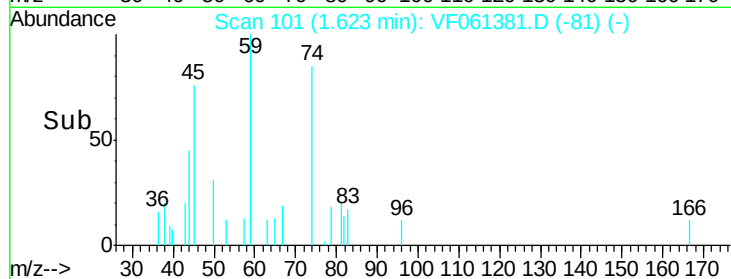
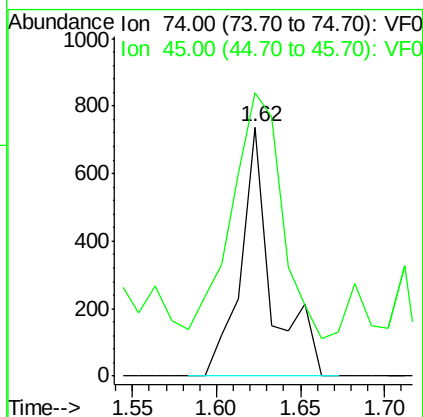
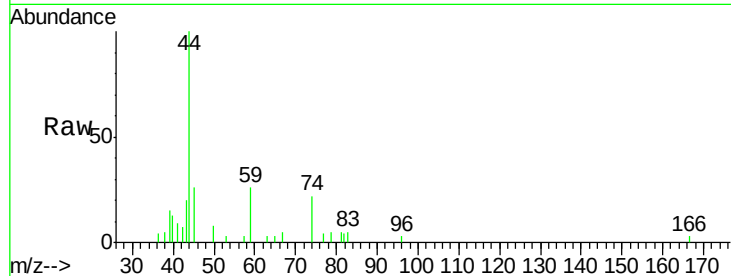
SUP-3A-G-1-010819

Tot Ion: 74 Resp: 941

Ion Ratio Lower Upper

74 100

45 113.7 62.1 186.3



#11

Tert butyl alcohol

Concen: 4.309 ug/l

RT: 2.54 min Scan# 194

Delta R.T. -0.03 min

Lab File: VF061381.D

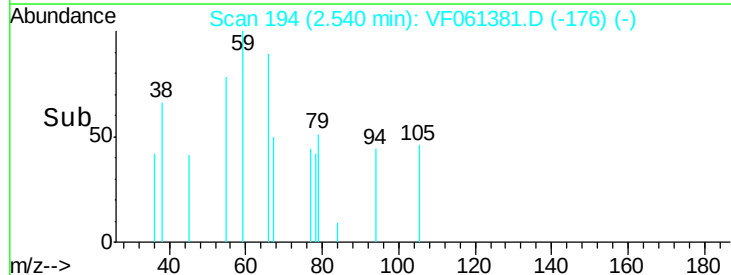
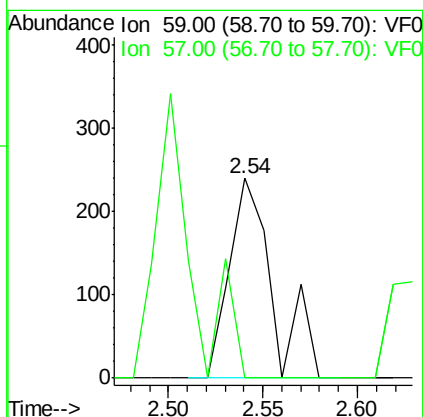
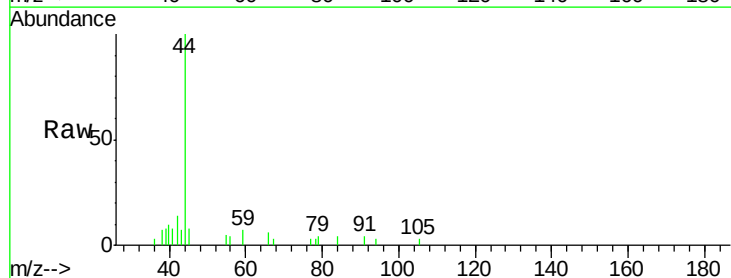
Acq: 11 Jan 2019 21:27

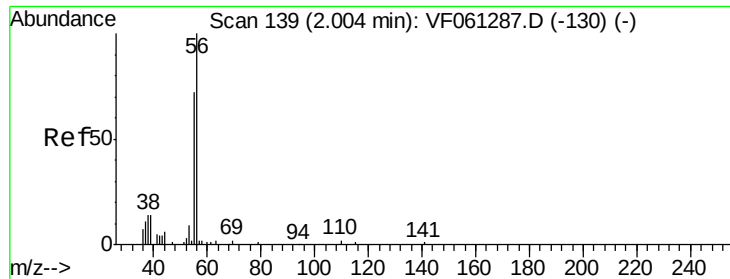
Tgt Ion: 59 Resp: 375

Ion Ratio Lower Upper

59 100

57 0.0 15.1 22.7#





#13

Acrolein

Concen: Below Cal

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061381.D

Acq: 11 Jan 2019 21:27

Instrument :

MSVOA_F

ClientSampleId :

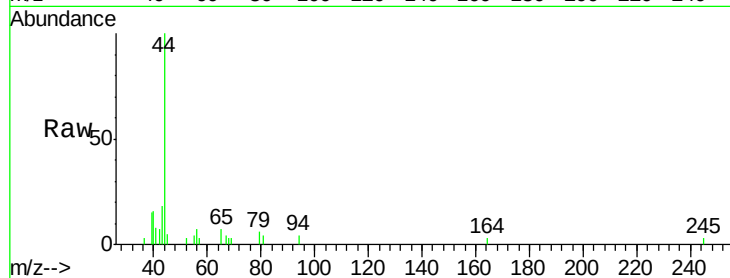
SUP-3A-G-1-010819

Tot Ion: 56 Resp: 476

Ion Ratio Lower Upper

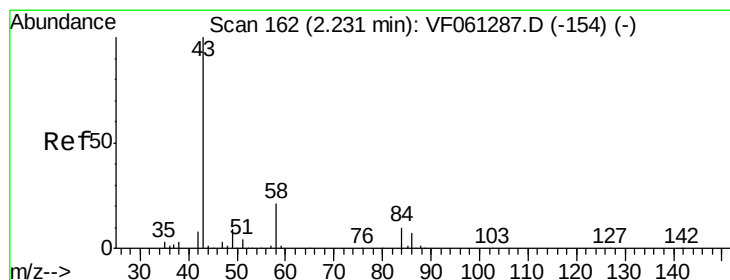
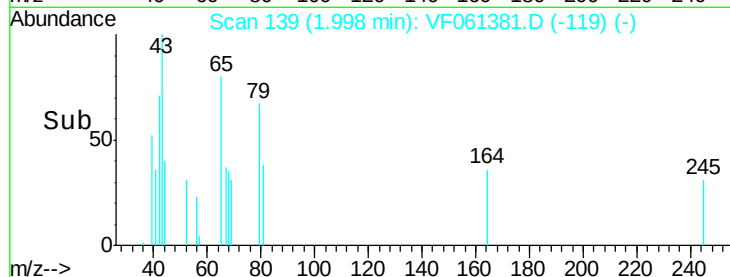
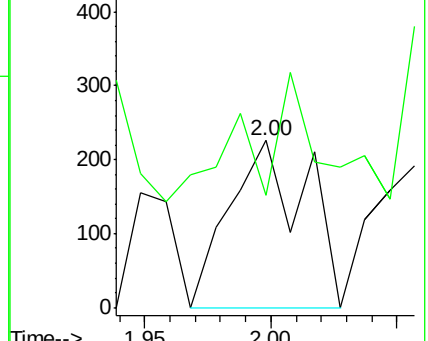
56 100

55 67.3 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#16

Acetone

Concen: 18.688 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061381.D

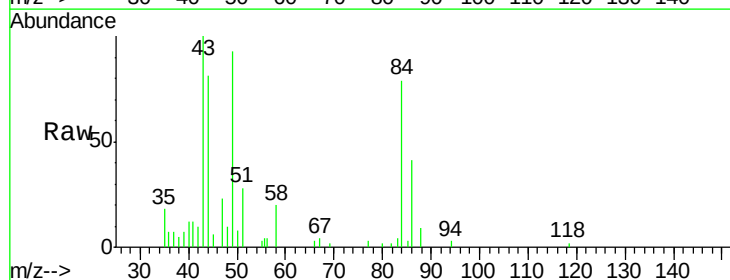
Acq: 11 Jan 2019 21:27

Tgt Ion: 43 Resp: 9450

Ion Ratio Lower Upper

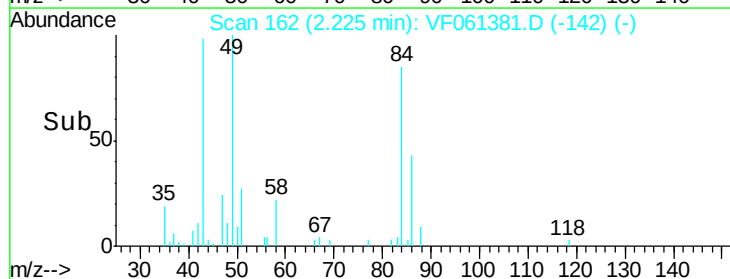
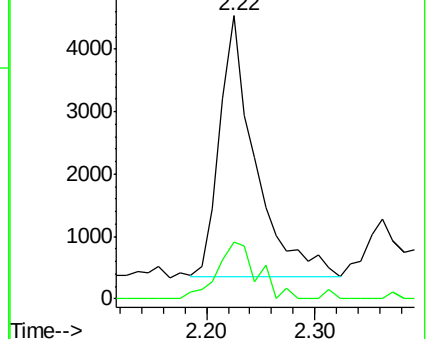
43 100

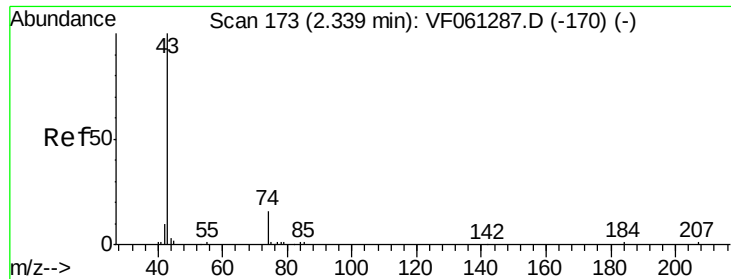
58 20.1 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

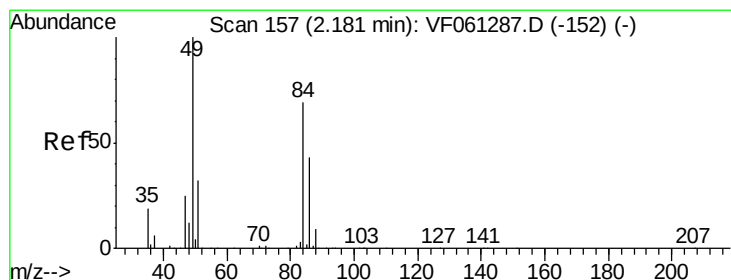
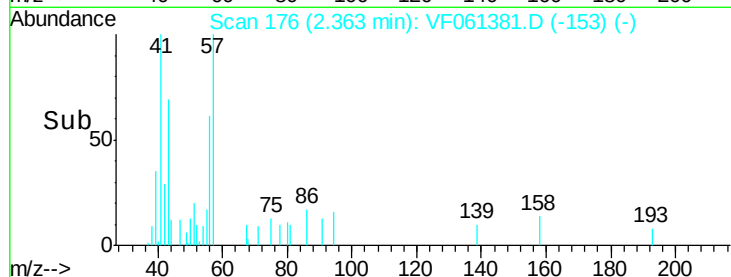
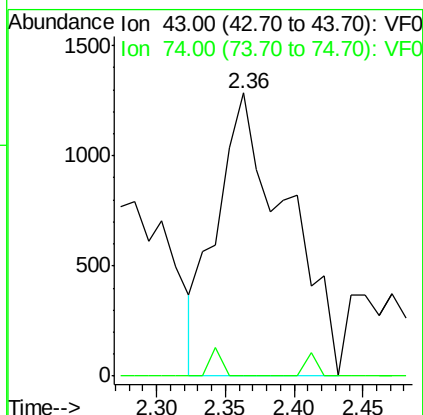
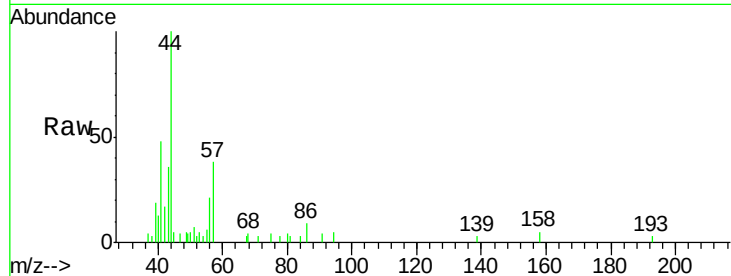




#18
Methvl Acetate
Concen: 4.547 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.02 min
Lab File: VF061381.D
Acq: 11 Jan 2019 21:27

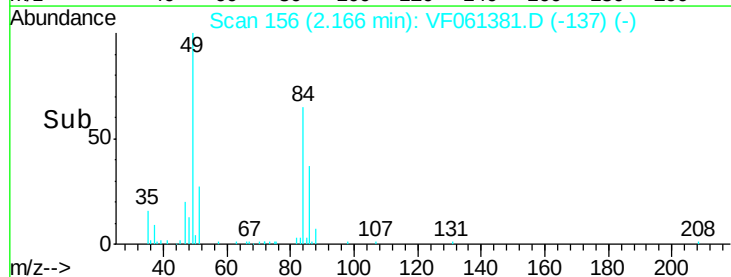
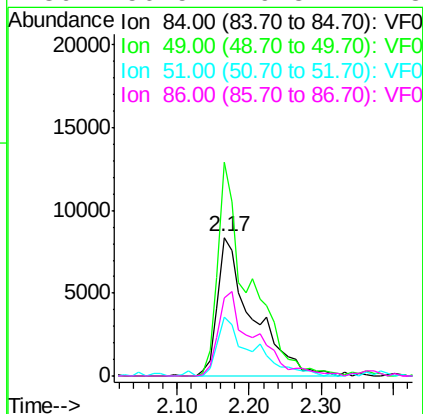
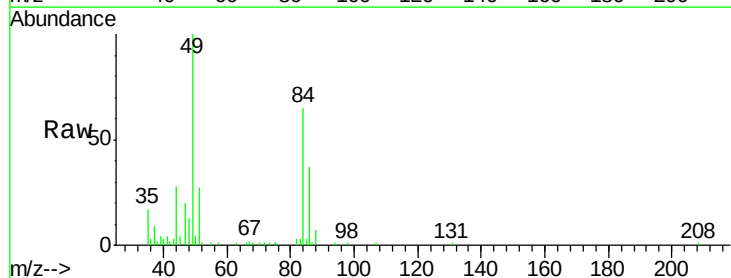
Instrument :
MSVOA_F
ClientSampleId :
SUP-3A-G-1-010819

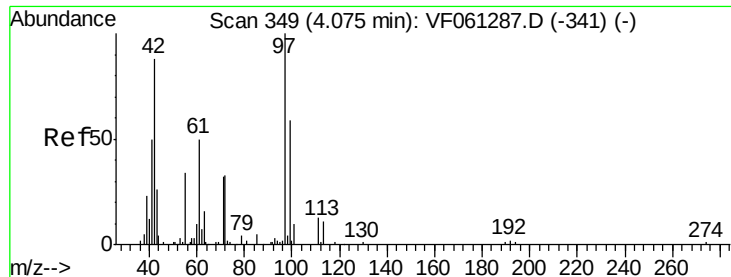
Tot Ion: 43 Resp: 4524
Ion Ratio Lower Upper
43 100
74 0.0 11.6 17.4#



#20
Methylene Chloride
Concen: 13.118 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF061381.D
Acq: 11 Jan 2019 21:27

Tgt Ion: 84 Resp: 28062
Ion Ratio Lower Upper
84 100
49 154.5 116.6 175.0
51 42.5 37.7 56.5
86 56.5 49.8 74.8





#29

Tetrahydrofuran

Concen: 2.474 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.02 min

Lab File: VF061381.D

Acq: 11 Jan 2019 21:27

Instrument :

MSVOA_F

ClientSampleId :

SUP-3A-G-1-010819

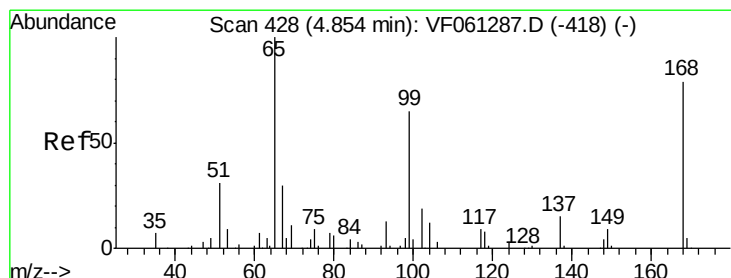
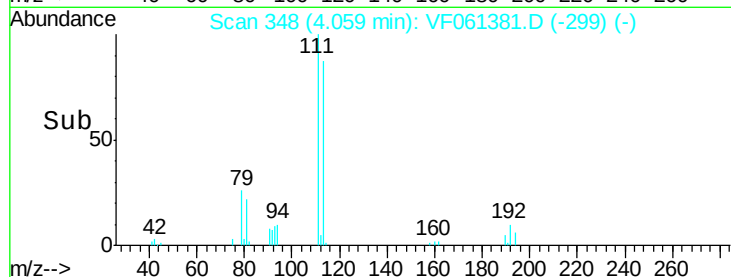
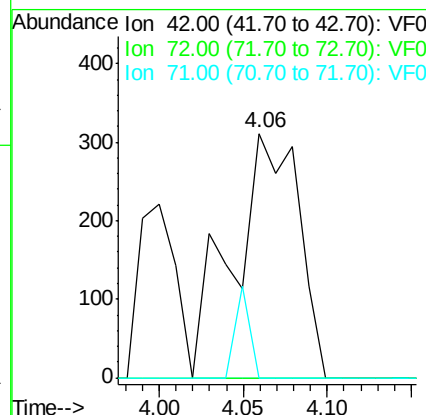
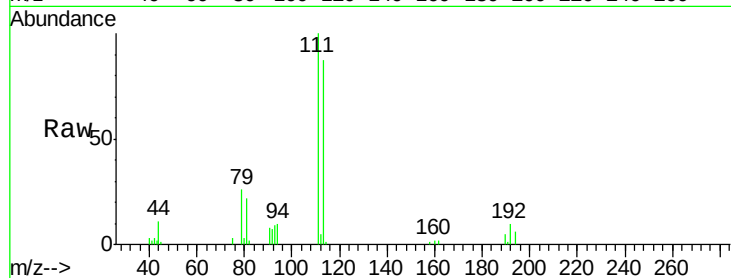
Tot Ion: 42 Resp: 842

Ion Ratio Lower Upper

42 100

72 0.0 32.3 48.5#

71 8.2 29.5 44.3#



#33

1,2-Dichloroethane-d4

Concen: 53.693 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.04 min

Lab File: VF061381.D

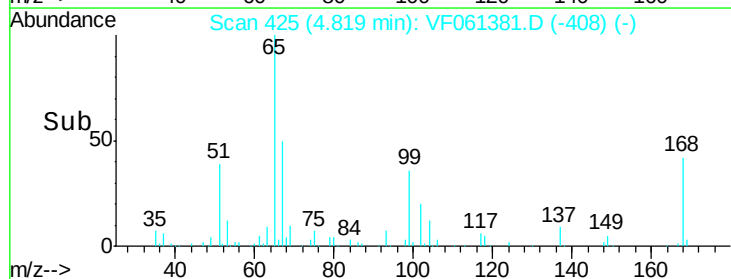
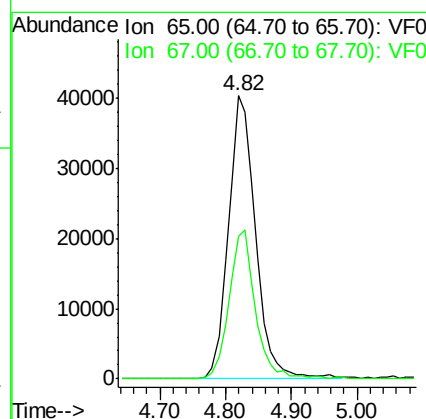
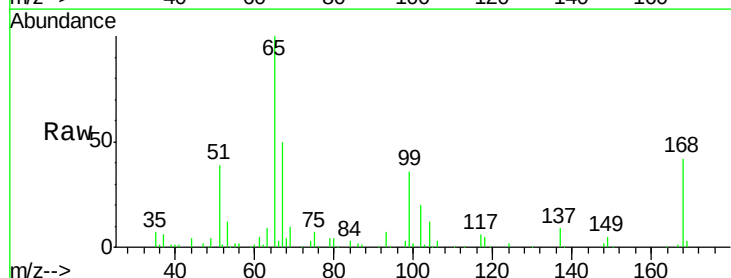
Acq: 11 Jan 2019 21:27

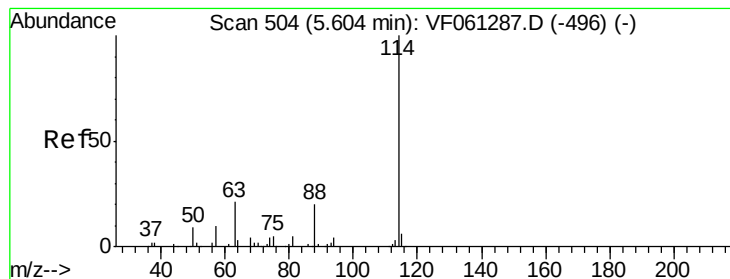
Tgt Ion: 65 Resp: 116715

Ion Ratio Lower Upper

65 100

67 50.5 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061381.D

Acq: 11 Jan 2019 21:27

Instrument :

MSVOA_F

ClientSampleId :

SUP-3A-G-1-010819

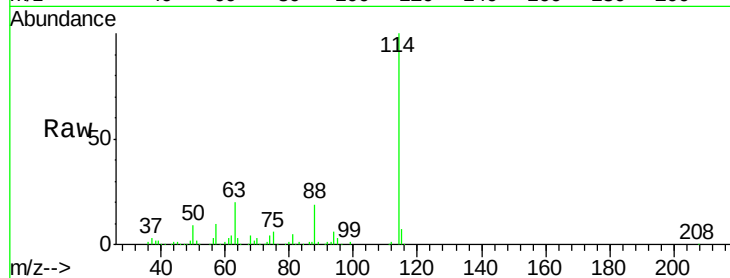
Tot Ion:114 Resp: 364780

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.8

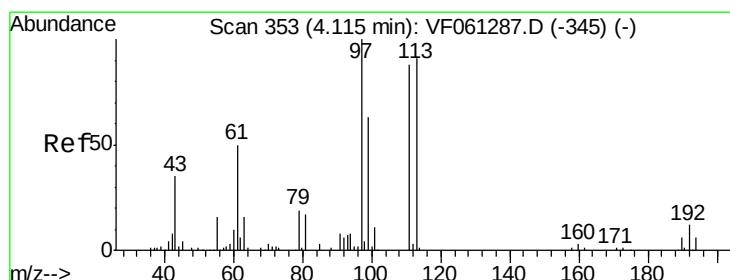
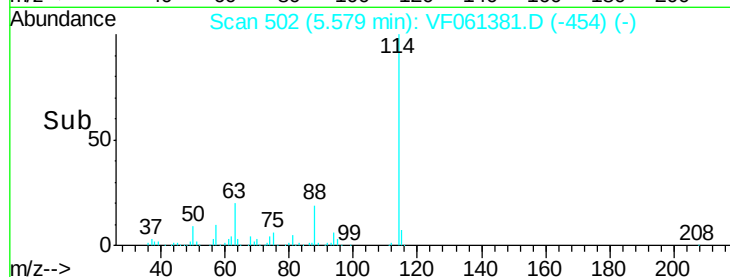
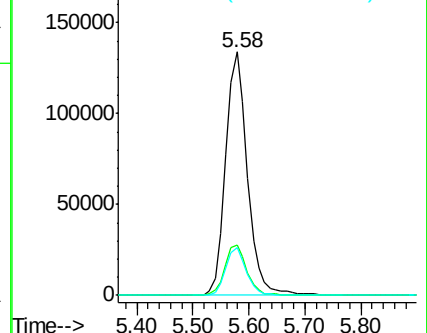
88 19.4 0.0 40.0



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: 51.237 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061381.D

Acq: 11 Jan 2019 21:27

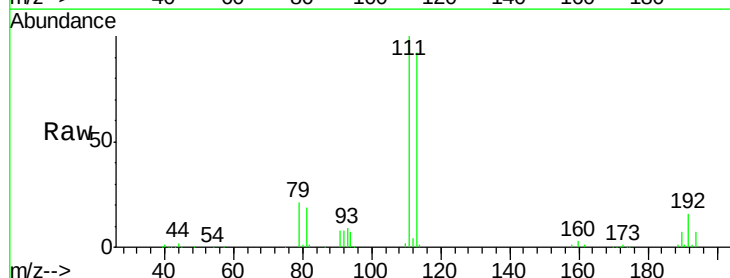
Tgt Ion:113 Resp: 143010

Ion Ratio Lower Upper

113 100

111 109.1 78.0 117.0

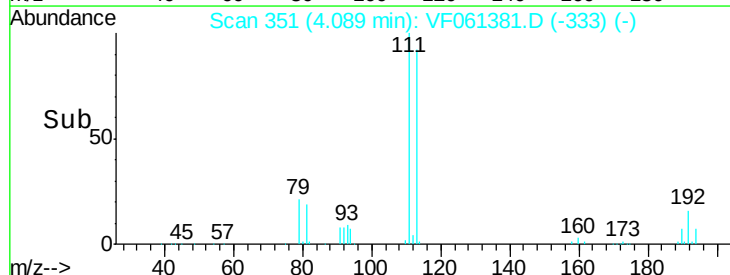
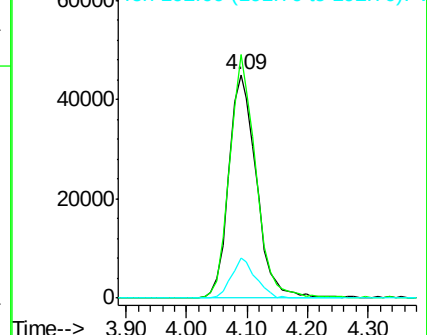
192 17.8 10.6 16.0#

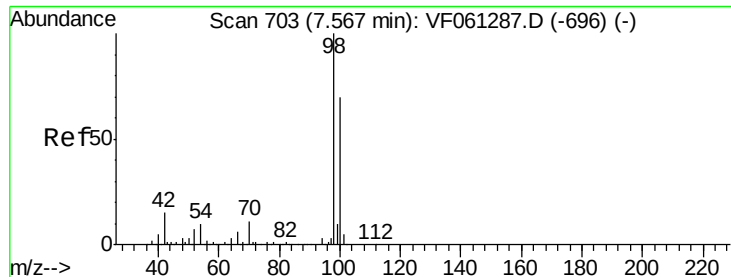


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

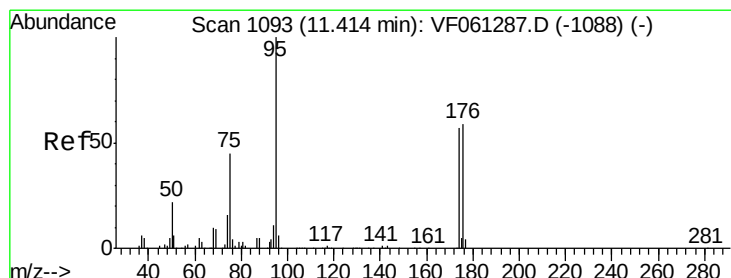
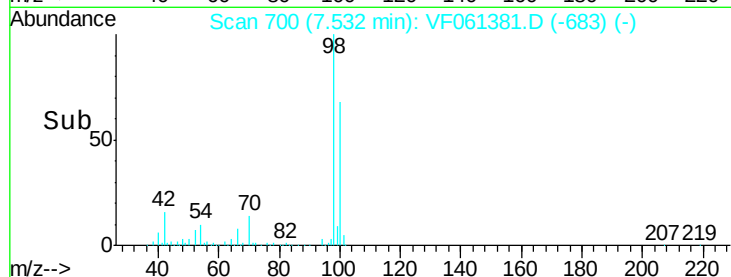
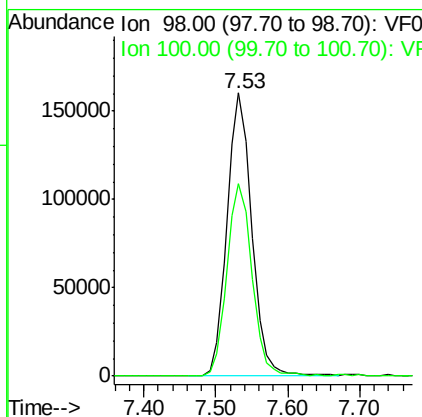
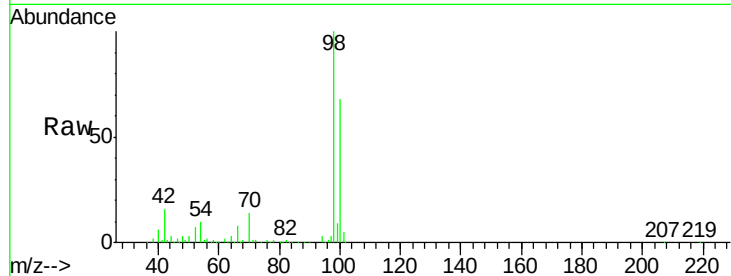




#50
Toluene-d8
Concen: 46.524 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.04 min
Lab File: VF061381.D
Acq: 11 Jan 2019 21:27

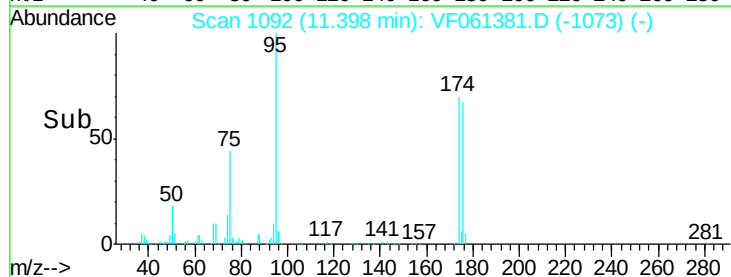
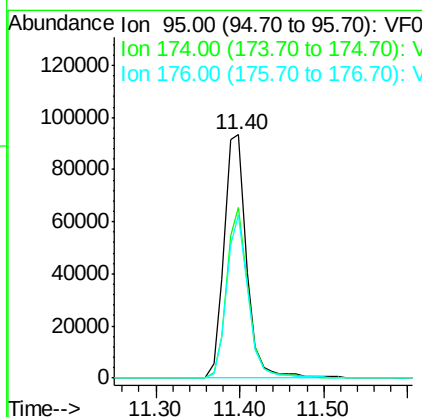
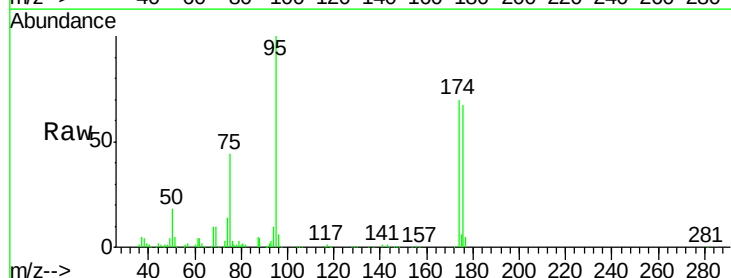
Instrument :
MSVOA_F
ClientSampleId :
SUP-3A-G-1-010819

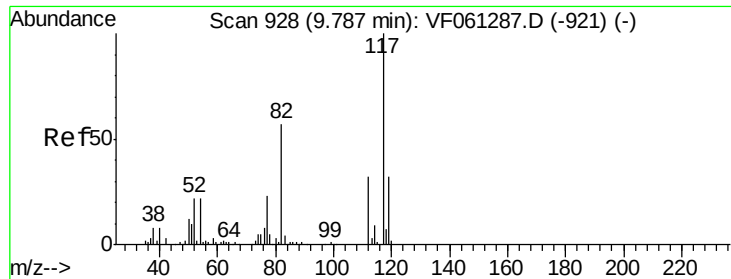
Tot Ion: 98 Resp: 384281
Ion Ratio Lower Upper
98 100
100 67.9 55.6 83.4



#62
4-Bromofluorobenzene
Concen: 48.710 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061381.D
Acq: 11 Jan 2019 21:27

Tgt Ion: 95 Resp: 175682
Ion Ratio Lower Upper
95 100
174 70.2 0.0 114.2
176 67.1 0.0 117.8

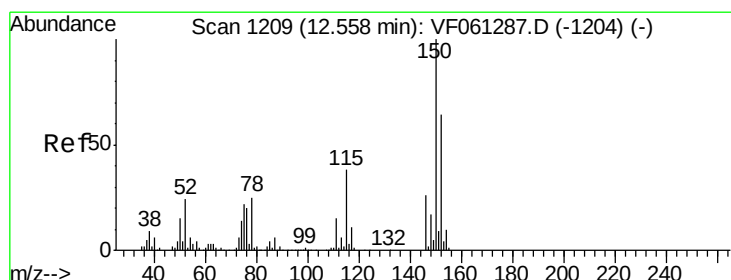
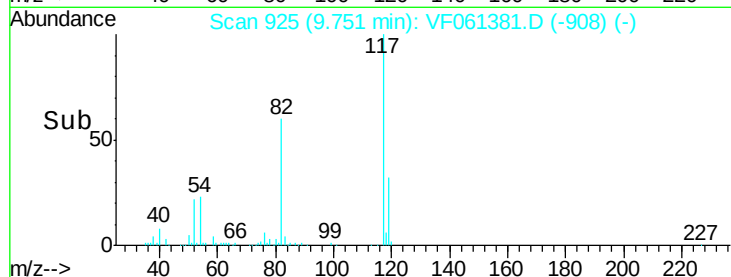
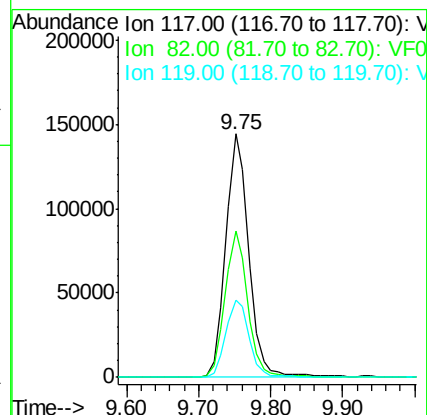
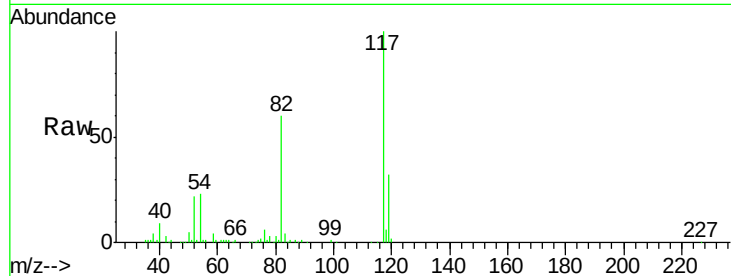




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF061381.D
Acq: 11 Jan 2019 21:27

Instrument :
MSVOA_F
ClientSampleId :
SUP-3A-G-1-010819

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	45.3	67.9
119	31.7	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.03 min
Lab File: VF061381.D
Acq: 11 Jan 2019 21:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.2	29.6	88.9
150	152.2	0.0	315.4

