

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061757.D
 Acq On : 26 Feb 2019 22:49
 Operator : VA/AP
 Sample : K1628-03
 Misc : 6.29g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C6-1-0.5-1.0

Quant Time: Feb 27 04:10:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	326149	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.57	114	515742	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	440143	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	222931	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	103102	43.11	ug/l	-0.04
Spiked Amount			Recovery	=	86.22%	
35) Dibromofluoromethane	4.08	113	161695	42.22	ug/l	-0.04
Spiked Amount			Recovery	=	84.44%	
50) Toluene-d8	7.52	98	417678	37.94	ug/l	-0.04
Spiked Amount			Recovery	=	75.88%	
62) 4-Bromofluorobenzene	11.39	95	179354	40.26	ug/l	-0.03
Spiked Amount			Recovery	=	80.52%	

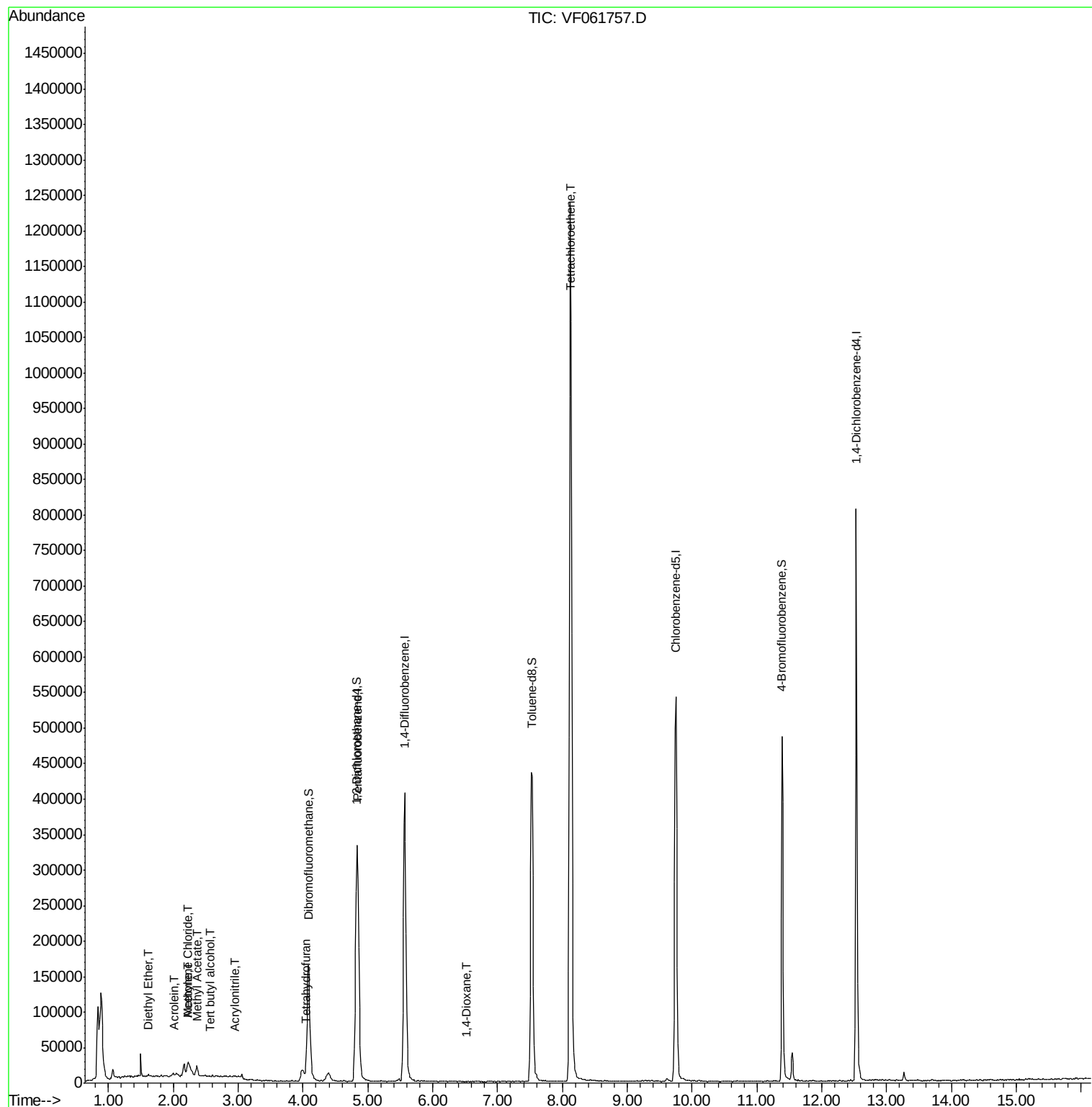
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.62	74	1307	1.177	ug/l	92
11) Tert butyl alcohol	2.56	59	154	1.113	ug/l #	63
13) Acrolein	2.02	56	292	1.679	ug/l	88
15) Acrylonitrile	2.96	53	539	1.098	ug/l #	34
16) Acetone	2.22	43	4234	8.251	ug/l #	85
18) Methyl Acetate	2.37	43	8844	7.650	ug/l #	82
20) Methylene Chloride	2.23	84	16586	3.698	ug/l	89
29) Tetrahydrofuran	4.03	42	801	1.572	ug/l #	40
49) 1,4-Dioxane	6.52	88	85	5.349	ug/l #	20
64) Tetrachloroethene	8.12	164	432563	120.234	ug/l	98

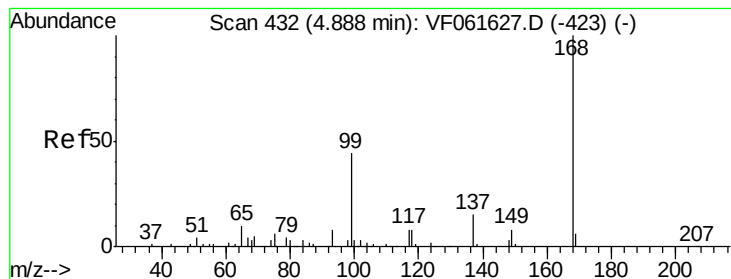
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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A0C6-1-0.5-1.0

Quant Time: Feb 27 04:10:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.05 min

Lab File: VF061757.D

Acq: 26 Feb 2019 22:49

Instrument :

MSVOA_F

ClientSampleId :

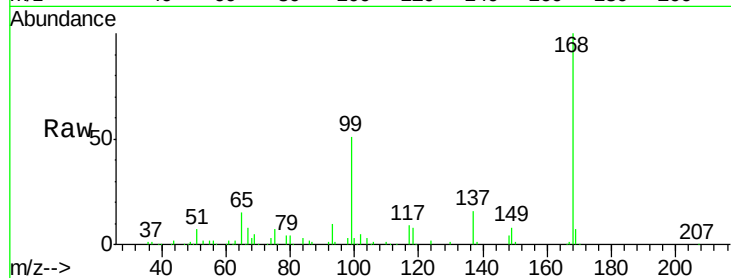
A0C6-1-0.5-1.0

Tot Ion:168 Resp: 326149

Ion Ratio Lower Upper

168 100

99 51.2 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

120000

100000

80000

60000

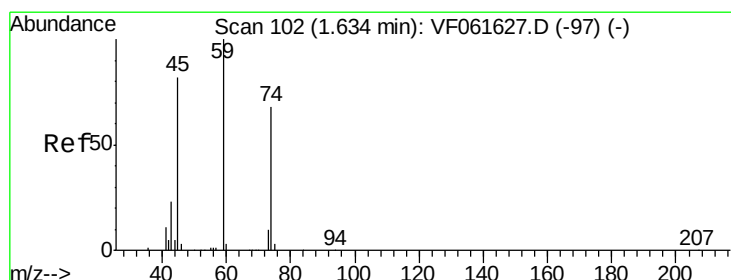
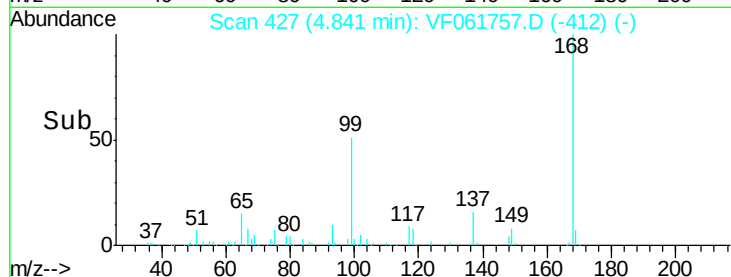
40000

20000

0

Time-->

4.80 5.00



#8

Diethyl Ether

Concen: 1.177 ug/l

RT: 1.62 min Scan# 100

Delta R.T. -0.02 min

Lab File: VF061757.D

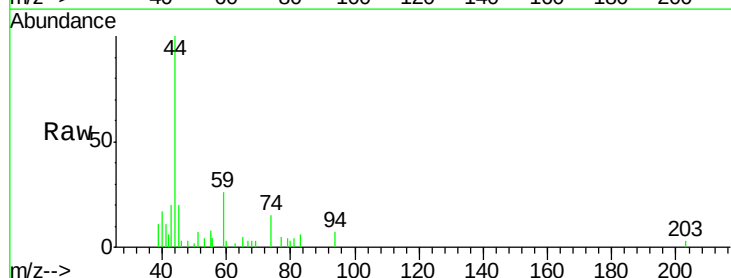
Acq: 26 Feb 2019 22:49

Tgt Ion: 74 Resp: 1307

Ion Ratio Lower Upper

74 100

45 130.4 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1000

800

600

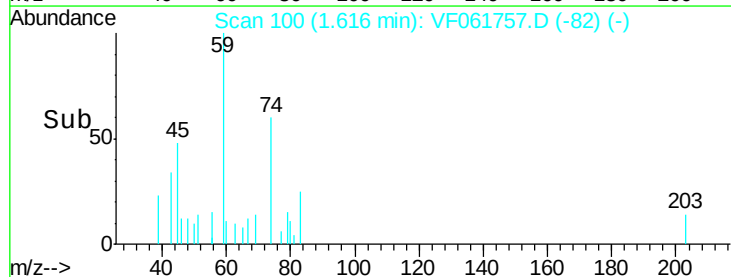
400

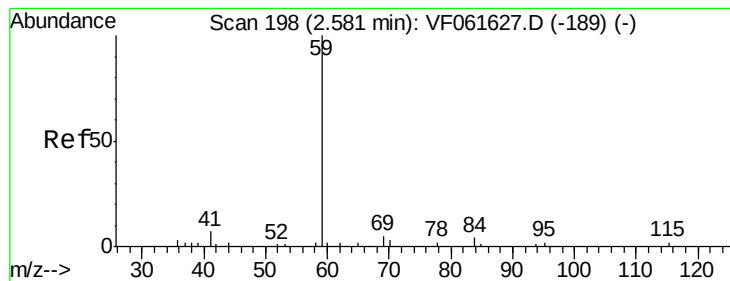
200

0

Time-->

1.55 1.60 1.65



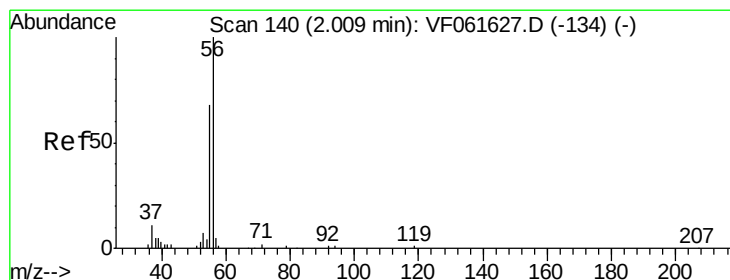
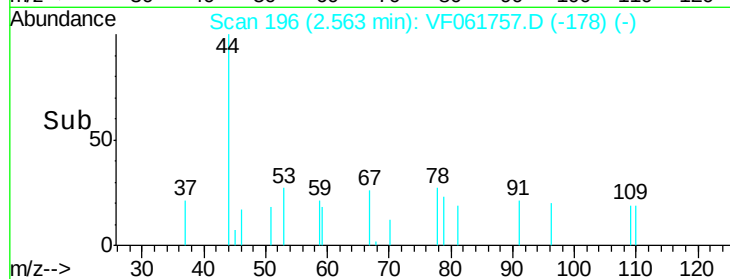
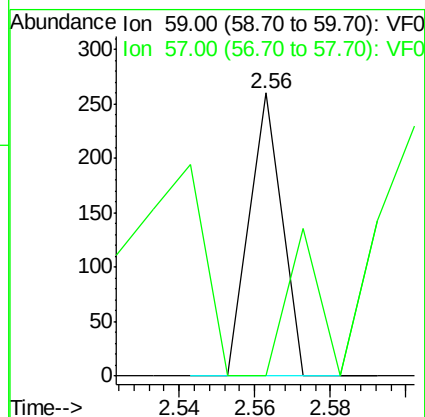
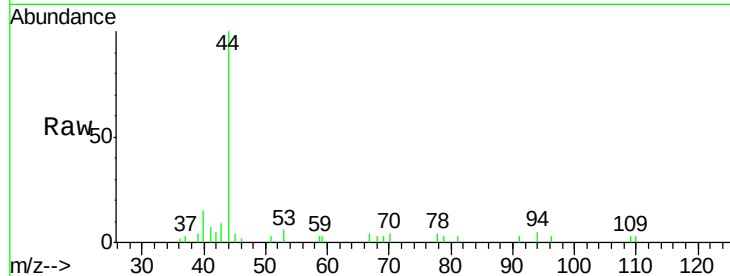


#11

Tert butyl alcohol
 Concen: 1.113 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.02 min
 Lab File: VF061757.D
 Acq: 26 Feb 2019 22:49

Instrument :
 MSVOA_F
 ClientSampled :
 A0C6-1-0.5-1.0

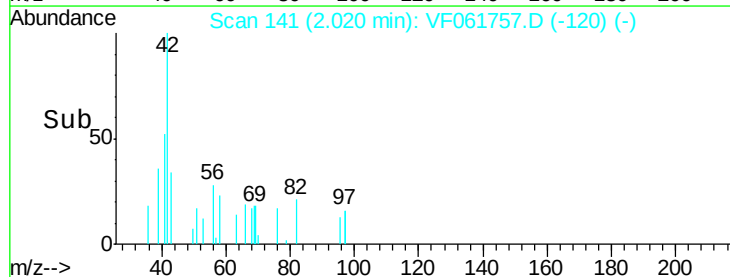
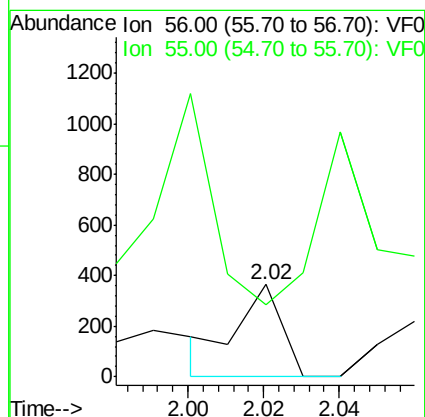
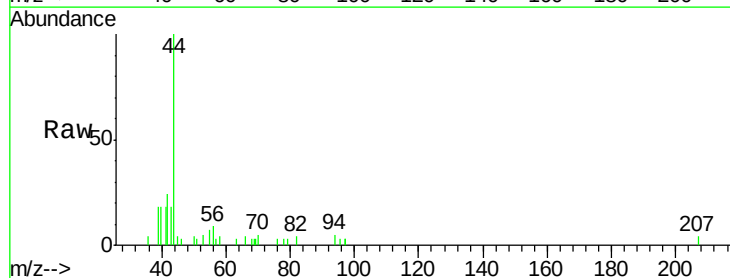
Tot Ion: 59 Resp: 154
 Ion Ratio Lower Upper
 59 100
 57 0.0 12.5 18.7#

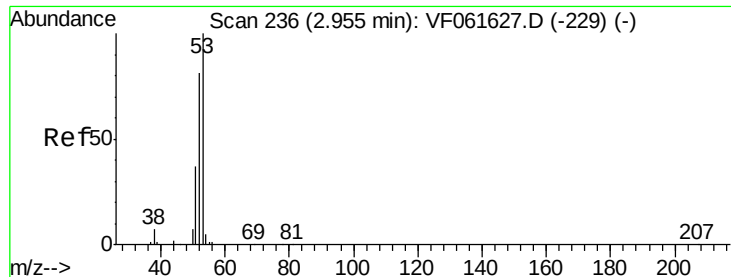


#13

Acrolein
 Concen: 1.679 ug/l
 RT: 2.02 min Scan# 141
 Delta R.T. 0.01 min
 Lab File: VF061757.D
 Acq: 26 Feb 2019 22:49

Tgt Ion: 56 Resp: 292
 Ion Ratio Lower Upper
 56 100
 55 78.4 55.0 82.6





#15

Acrylonitrile

Concen: 1.098 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.00 min

Lab File: VF061757.D

Acq: 26 Feb 2019 22:49

Instrument :

MSVOA_F

ClientSampleId :

A0C6-1-0.5-1.0

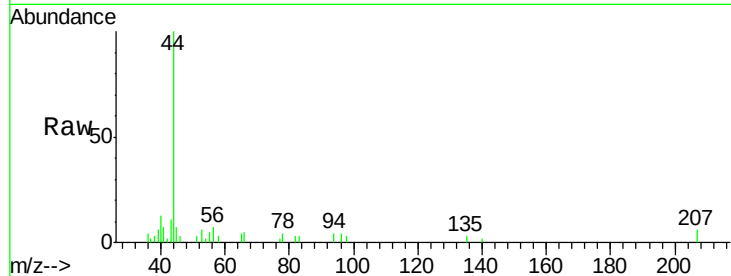
Tot Ion: 53 Resp: 539

Ion Ratio Lower Upper

53 100

52 0.0 64.6 97.0#

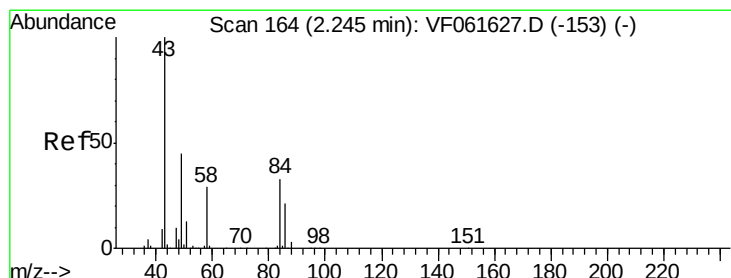
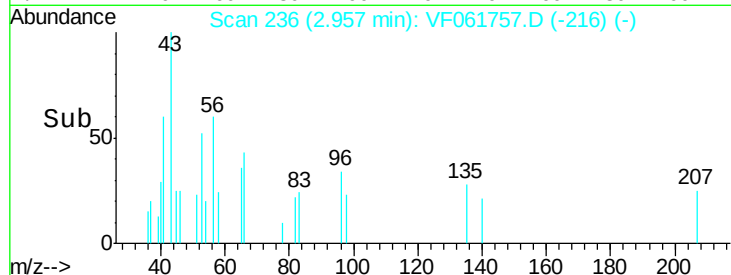
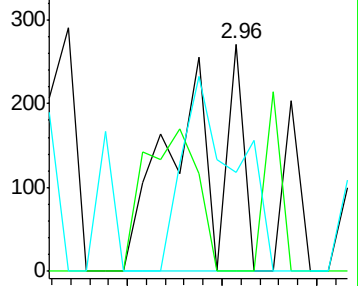
51 43.5 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 8.251 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.03 min

Lab File: VF061757.D

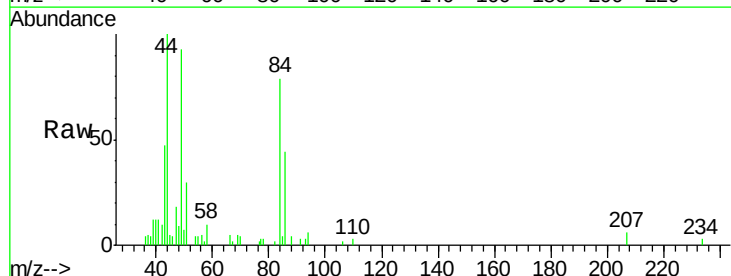
Acq: 26 Feb 2019 22:49

Tgt Ion: 43 Resp: 4234

Ion Ratio Lower Upper

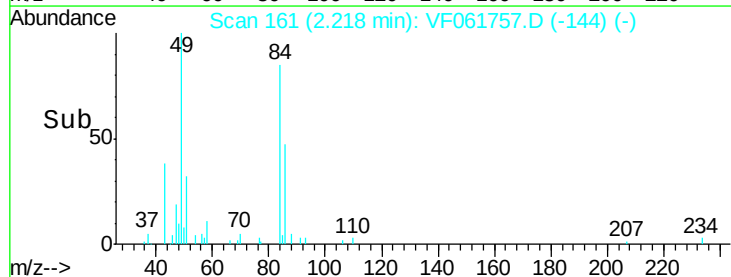
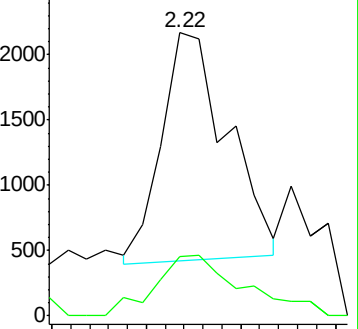
43 100

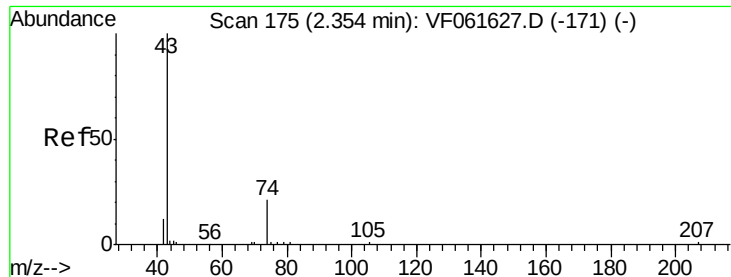
58 20.8 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

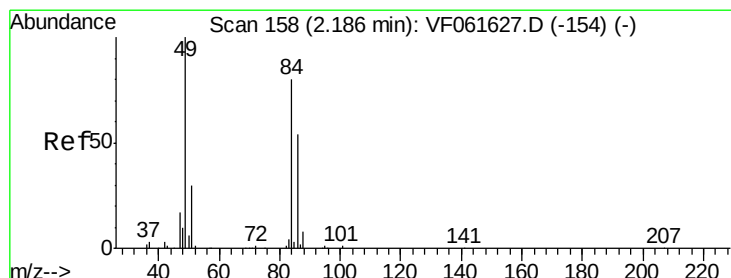
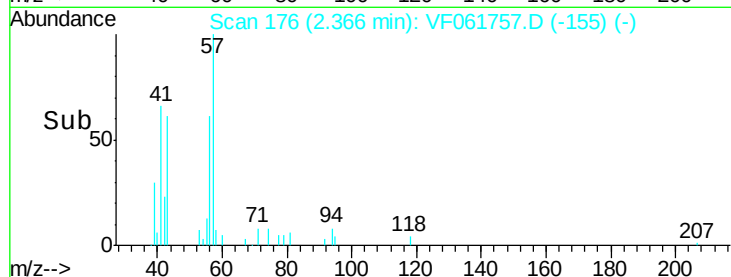
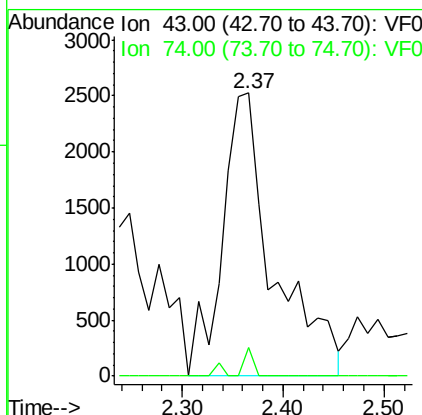
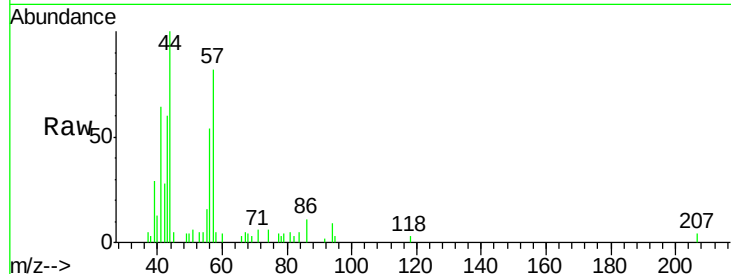




#18
Methyl Acetate
Concen: 7.650 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF061757.D
Acq: 26 Feb 2019 22:49

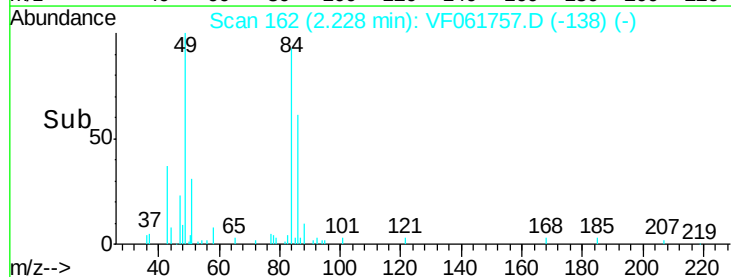
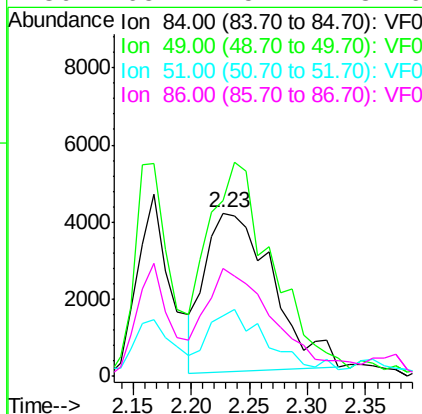
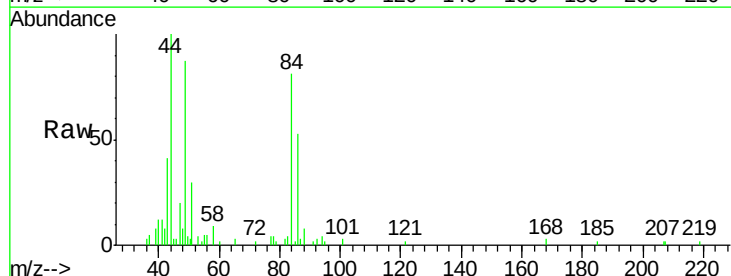
Instrument :
MSVOA_F
ClientSampleId :
A0C6-1-0.5-1.0

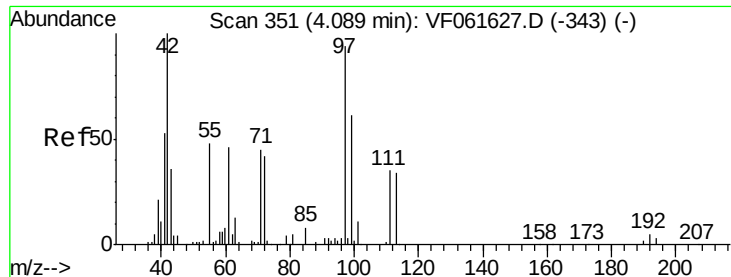
Tot Ion: 43 Resp: 8844
Ion Ratio Lower Upper
43 100
74 10.2 14.6 21.8#



#20
Methylene Chloride
Concen: 3.698 ug/l
RT: 2.23 min Scan# 162
Delta R.T. 0.04 min
Lab File: VF061757.D
Acq: 26 Feb 2019 22:49

Tgt Ion: 84 Resp: 16586
Ion Ratio Lower Upper
84 100
49 107.1 101.8 152.8
51 36.7 31.1 46.7
86 65.7 54.4 81.6

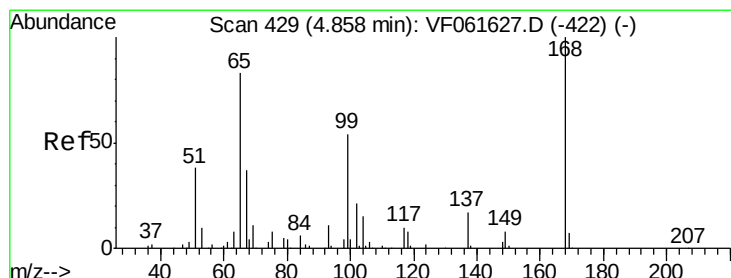
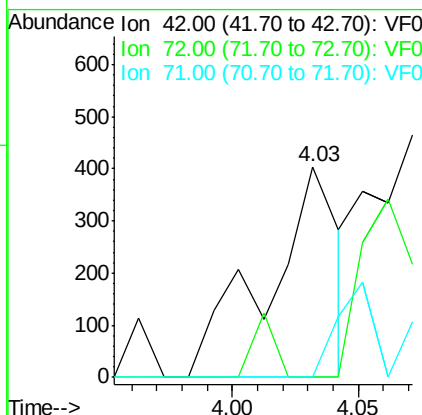
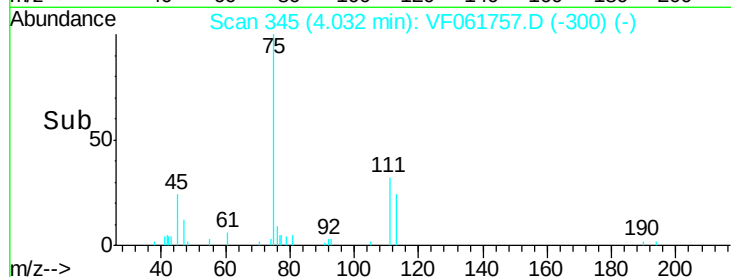
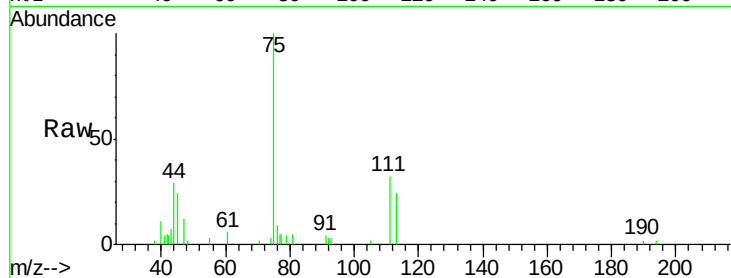




#29
Tetrahydrofuran
Concen: 1.572 ug/l
RT: 4.03 min Scan# 345
Delta R.T. -0.06 min
Lab File: VF061757.D
Acq: 26 Feb 2019 22:49

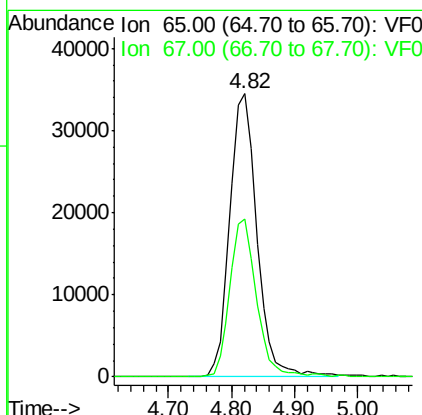
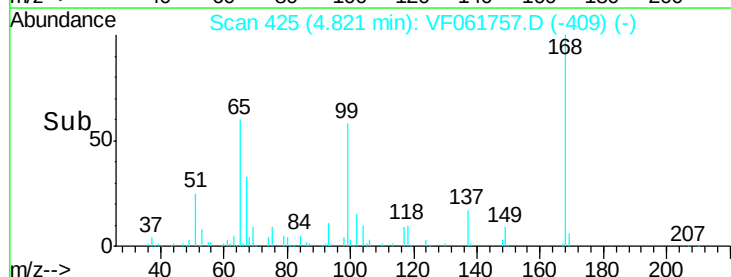
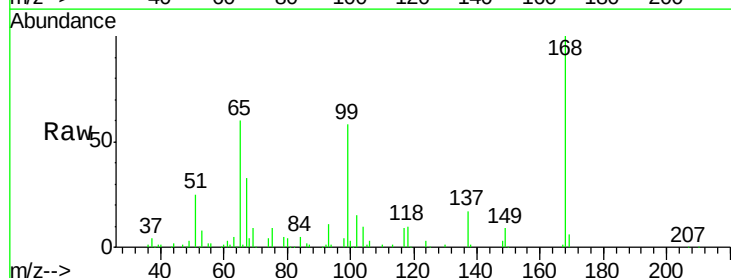
Instrument :
MSVOA_F
ClientSampleId :
A0C6-1-0.5-1.0

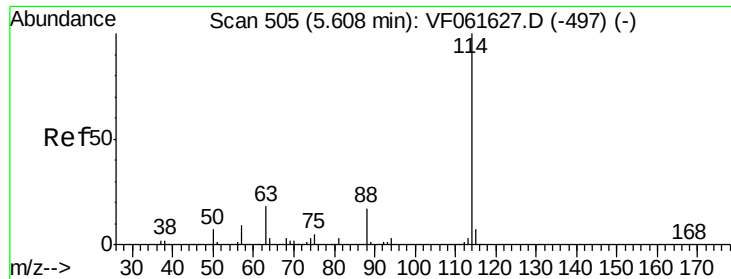
Tot Ion: 42 Resp: 801
Ion Ratio Lower Upper
42 100
72 9.1 35.2 52.8#
71 0.0 32.9 49.3#



#33
1,2-Dichloroethane-d4
Concen: 43.108 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.04 min
Lab File: VF061757.D
Acq: 26 Feb 2019 22:49

Tgt Ion: 65 Resp: 103102
Ion Ratio Lower Upper
65 100
67 55.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.04 min

Lab File: VF061757.D

Acq: 26 Feb 2019 22:49

Instrument :

MSVOA_F

ClientSampleId :

A0C6-1-0.5-1.0

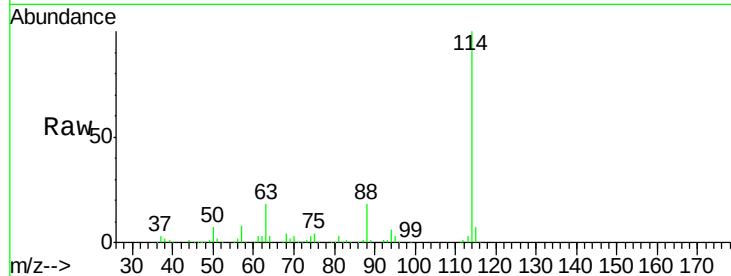
Tot Ion:114 Resp: 515742

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.6

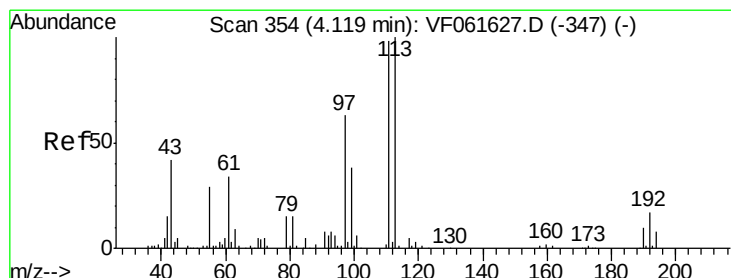
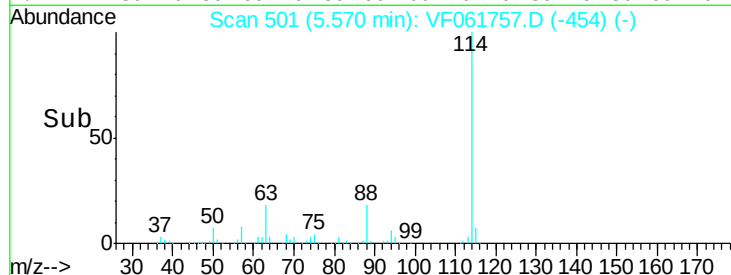
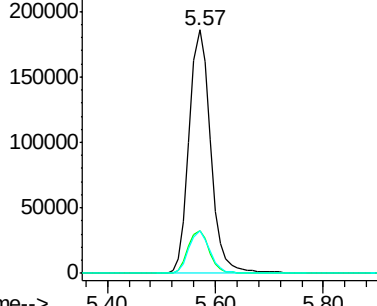
88 17.5 0.0 34.4



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: 42.219 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.04 min

Lab File: VF061757.D

Acq: 26 Feb 2019 22:49

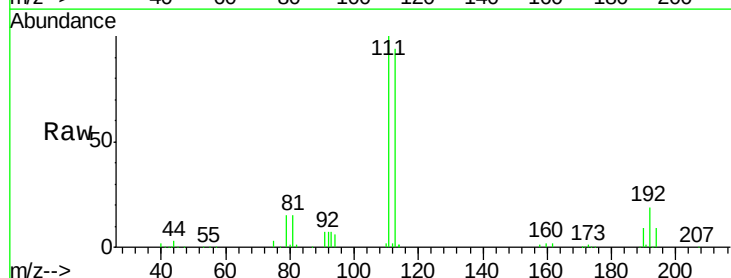
Tgt Ion:113 Resp: 161695

Ion Ratio Lower Upper

113 100

111 106.1 78.8 118.2

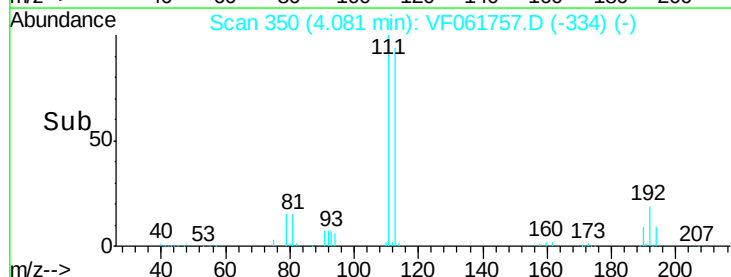
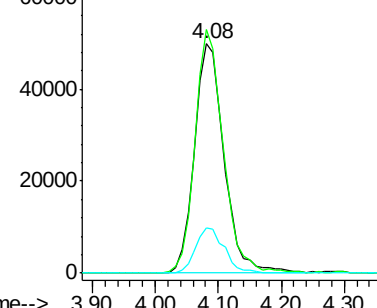
192 20.2 13.4 20.0#

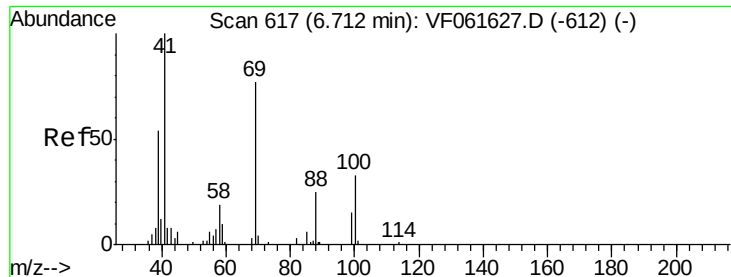


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 5.349 ug/l

RT: 6.52 min Scan# 597

Delta R.T. -0.20 min

Lab File: VF061757.D

Acq: 26 Feb 2019 22:49

Instrument :

MSVOA_F

ClientSampleId :

A0C6-1-0.5-1.0

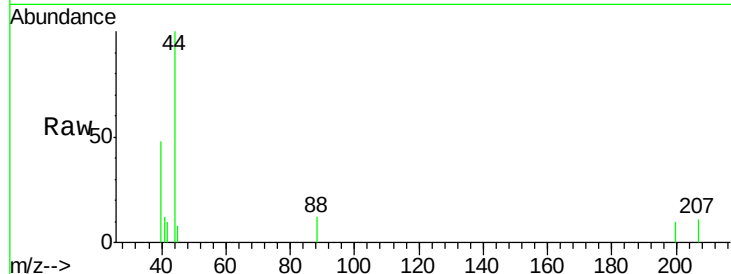
Tot Ion: 88 Resp: 85

Ion Ratio Lower Upper

88 100

43 0.0 32.3 48.5#

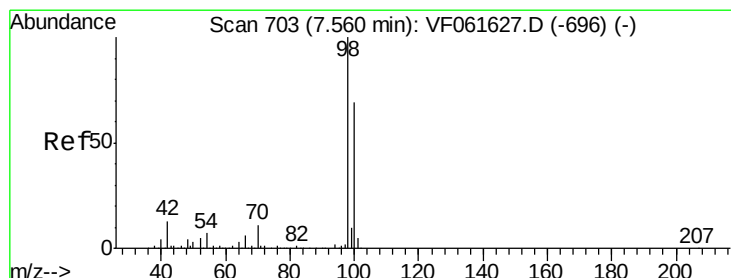
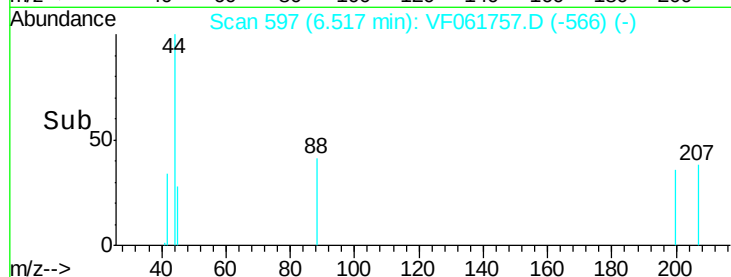
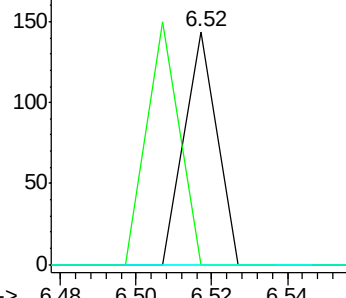
58 0.0 59.4 89.2#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 37.936 ug/l

RT: 7.52 min Scan# 699

Delta R.T. -0.04 min

Lab File: VF061757.D

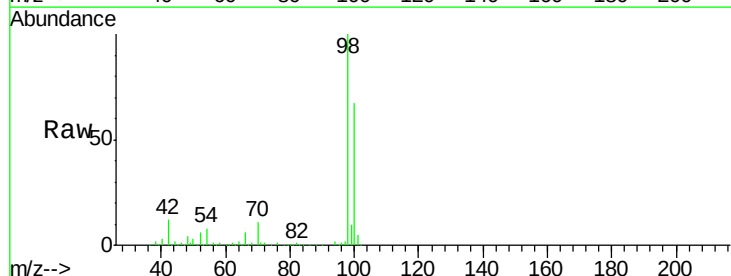
Acq: 26 Feb 2019 22:49

Tgt Ion: 98 Resp: 417678

Ion Ratio Lower Upper

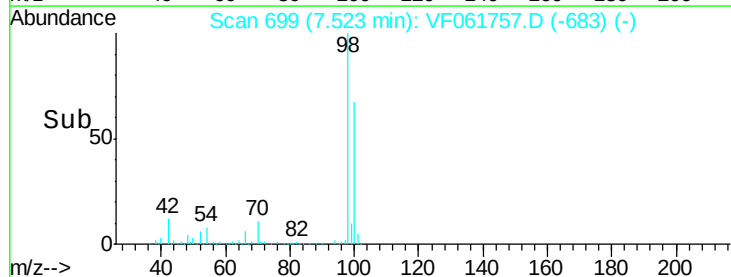
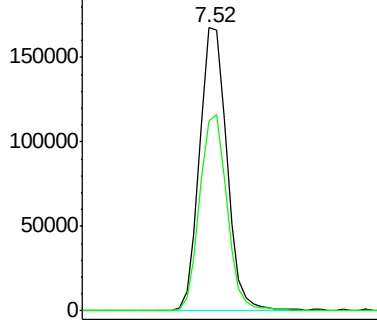
98 100

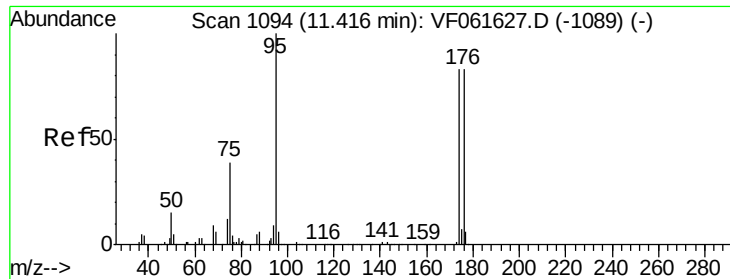
100 66.9 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

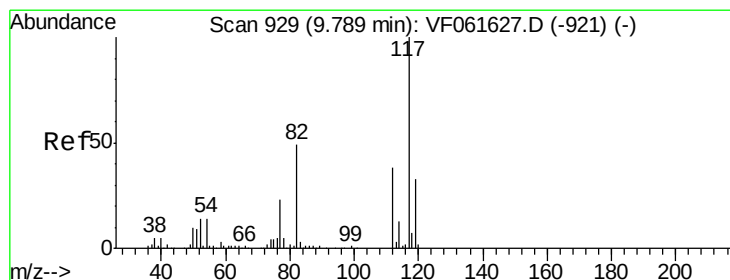
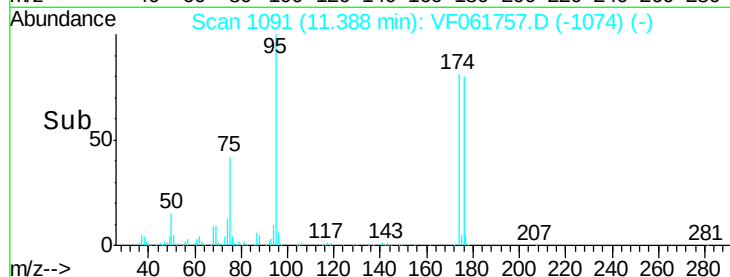
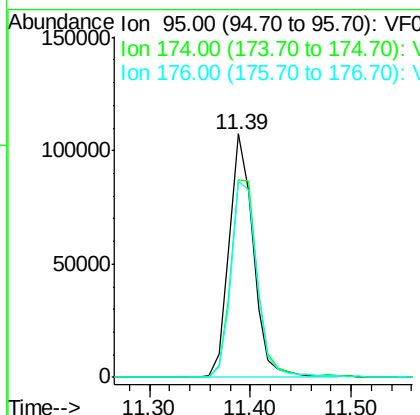
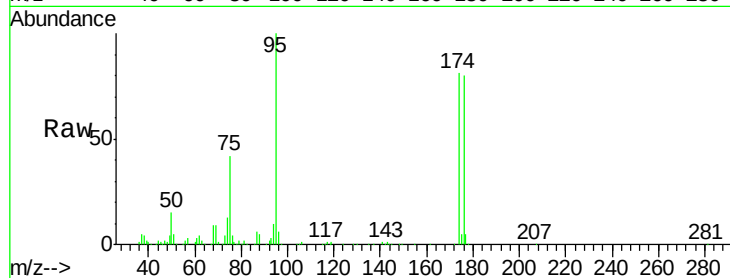




#62
4-Bromofluorobenzene
Concen: 40.261 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.03 min
Lab File: VF061757.D
Acq: 26 Feb 2019 22:49

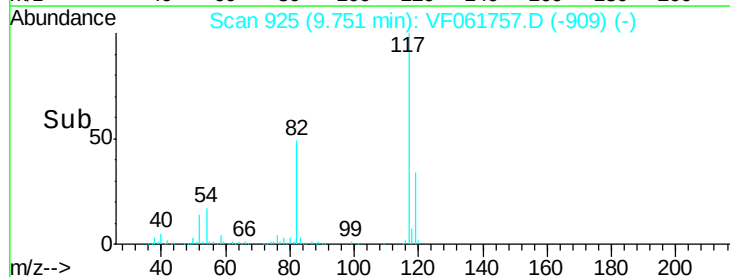
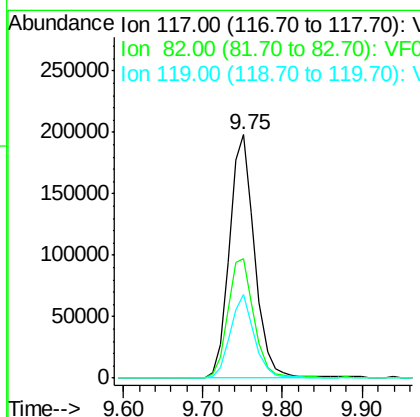
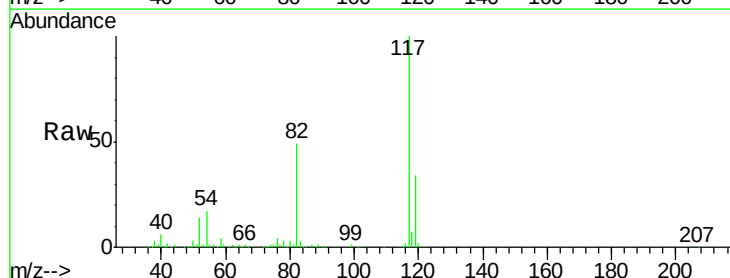
Instrument :
MSVOA_F
ClientSampleId :
A0C6-1-0.5-1.0

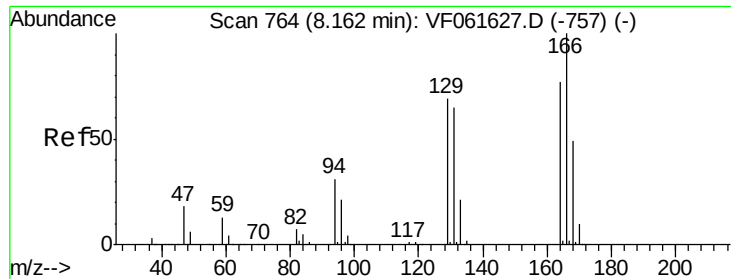
Tot Ion	95	Resp	179354
Ion Ratio	Lower	Upper	
95	100		
174	81.3	0.0	165.8
176	80.4	0.0	167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF061757.D
Acq: 26 Feb 2019 22:49

Tgt Ion	117	Resp	440143
Ion Ratio	Lower	Upper	
117	100		
82	49.2	39.3	58.9
119	34.3	26.6	40.0

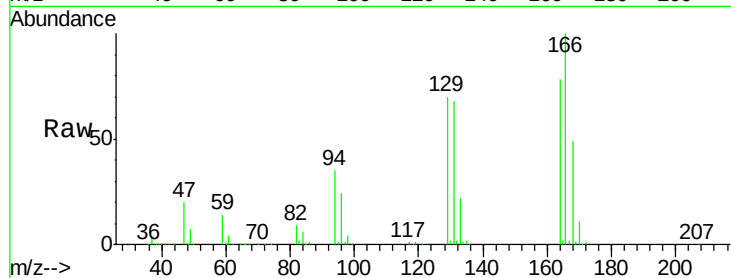




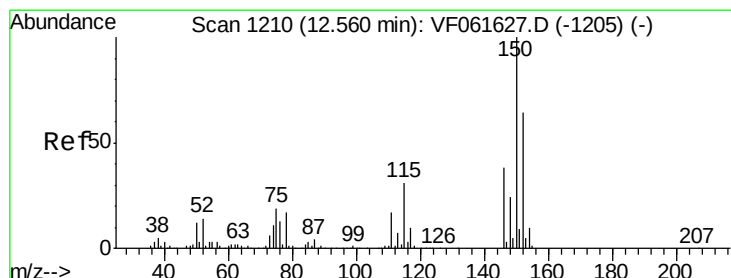
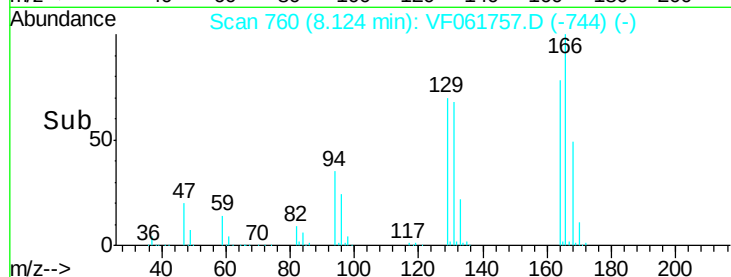
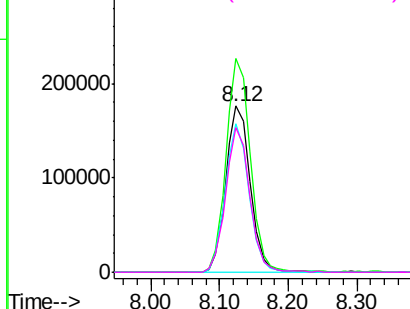
#64
Tetrachloroethene
Concen: 120.234 ug/l
RT: 8.12 min Scan# 760
Delta R.T. -0.04 min
Lab File: VF061757.D
Acq: 26 Feb 2019 22:49

Instrument :
MSVOA_F
ClientSampleId :
A0C6-1-0.5-1.0

Tot Ion:164 Resp: 432563
Ion Ratio Lower Upper
164 100
166 128.6 103.9 155.9
129 89.8 71.3 106.9
131 87.3 67.1 100.7

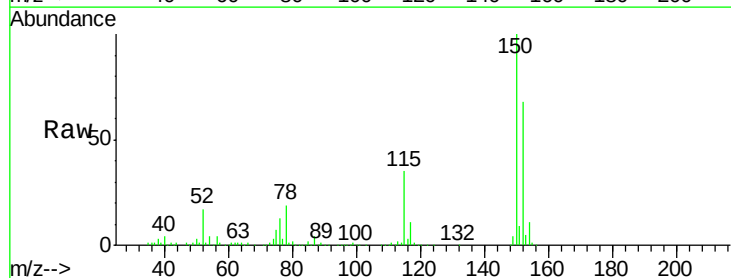


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.03 min
Lab File: VF061757.D
Acq: 26 Feb 2019 22:49

Tgt Ion:152 Resp: 222931
Ion Ratio Lower Upper
152 100
115 51.3 24.3 72.8
150 148.0 0.0 312.0



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

