

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061900.D
 Acq On : 11 Mar 2019 20:19
 Operator : VA/AP
 Sample : K1846-03
 Misc : 6.44g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-2

Quant Time: Mar 12 05:14:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	233937	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	380050	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	288529	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	132614	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	109486	64.27	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	128.54%	
35) Dibromofluoromethane	4.11	113	162645	61.32	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	122.64%	
50) Toluene-d8	7.55	98	389366	49.39	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.41	95	145982	47.27	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.54%	

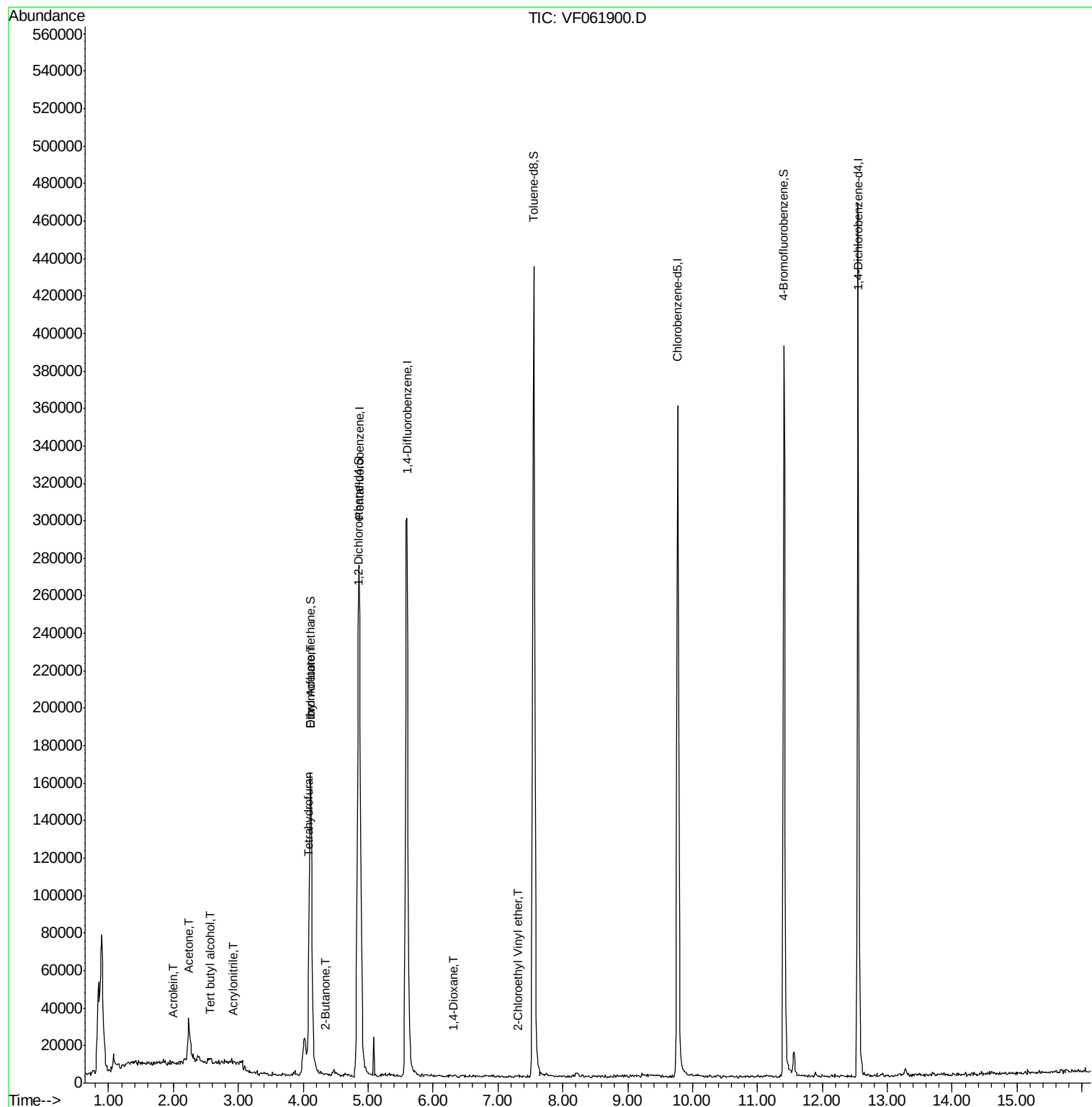
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	4013	41.501	ug/l #	72
13) Acrolein	2.00	56	251	2.049	ug/l #	1
15) Acrylonitrile	2.93	53	429	1.393	ug/l #	77
16) Acetone	2.24	43	38998	109.280	ug/l	97
18) Methyl Acetate	2.32	43	5550	Below Cal	#	62
20) Methylene Chloride	2.17	84	683	Below Cal	#	42
25) 2-Butanone	4.34	43	2067	2.848	ug/l #	56
29) Tetrahydrofuran	4.08	42	2275	7.267	ug/l #	60
37) Ethyl Acetate	4.11	43	1567	1.040	ug/l #	20
49) 1,4-Dioxane	6.30	88	69	6.421	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.29	63	391	1.371	ug/l #	44

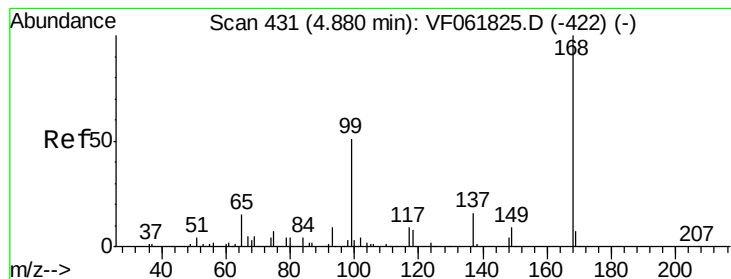
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031119\
Data File : VF061900.D
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Operator : VA/AP
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Misc : 6.44q/5mL/MSVOA-F/SOIL
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Quant Time: Mar 12 05:14:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration

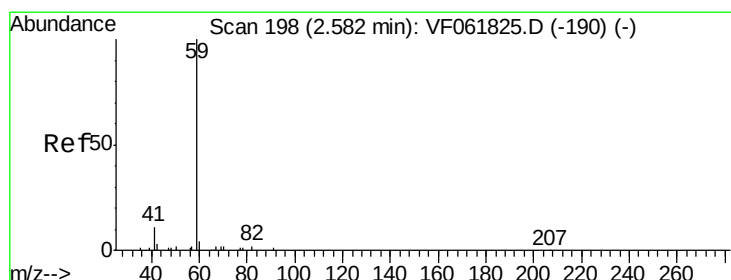
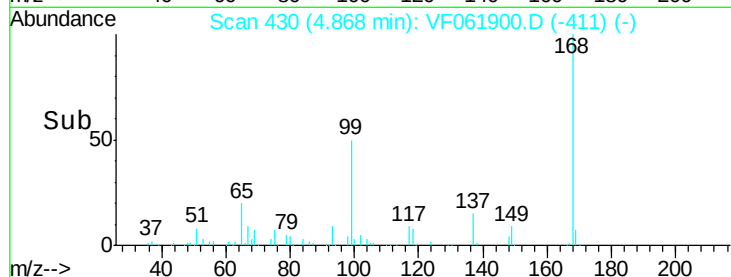
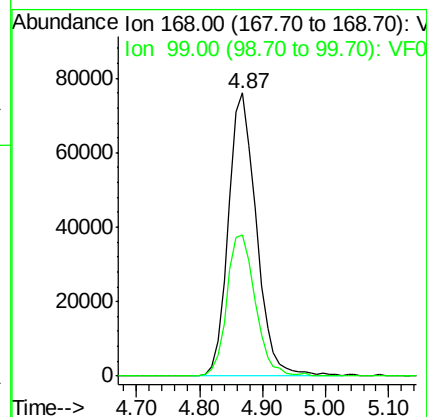
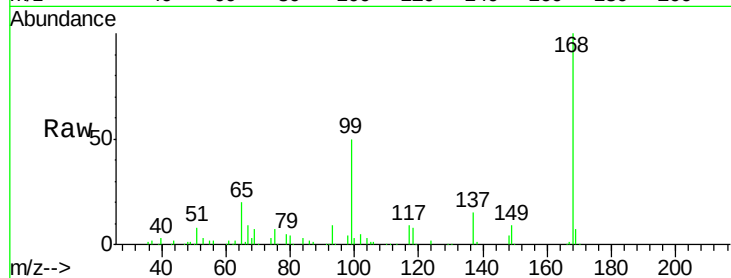




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.87 min Scan# 430
Delta R.T. -0.01 min
Lab File: VF061900.D
Acq: 11 Mar 2019 20:19

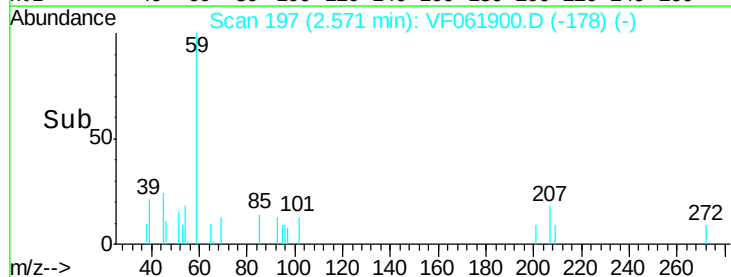
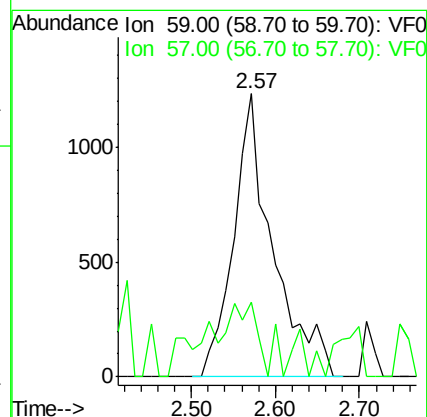
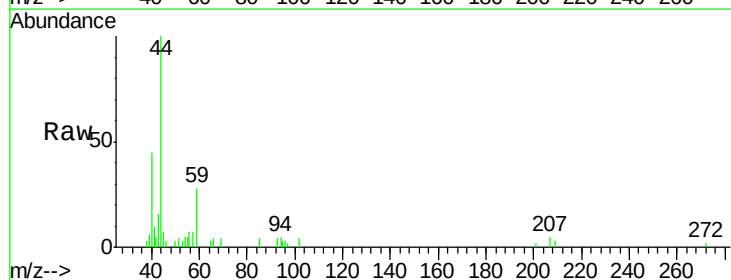
Instrument :
MSVOA_F
ClientSampled :
TP-2

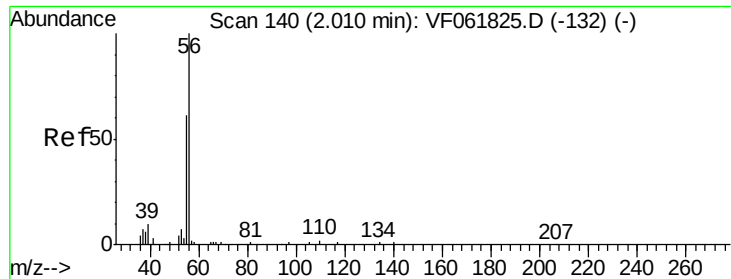
Tot Ion:168 Resp: 233937
Ion Ratio Lower Upper
168 100
99 50.0 40.8 61.2



#11
Tert butyl alcohol
Concen: 41.501 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061900.D
Acq: 11 Mar 2019 20:19

Tgt Ion: 59 Resp: 4013
Ion Ratio Lower Upper
59 100
57 26.2 11.8 17.6#

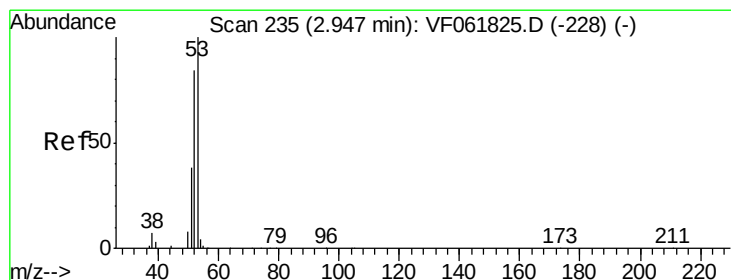
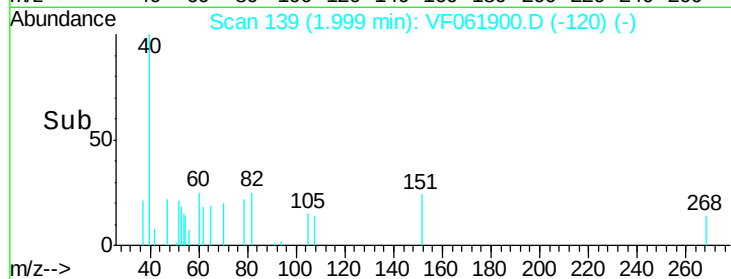
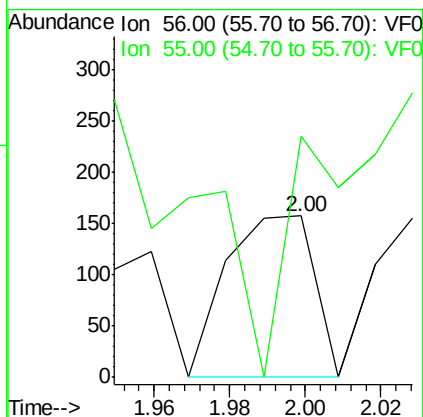
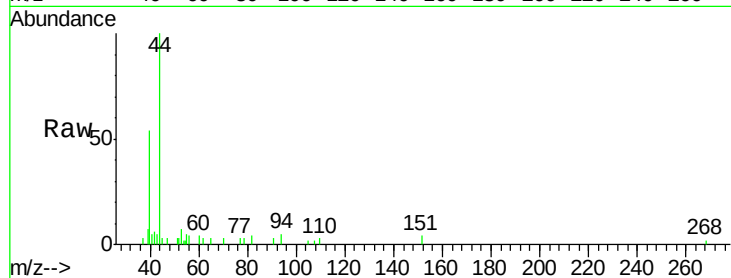




#13
Acrolein
Concen: 2.049 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.01 min
Lab File: VF061900.D
Acq: 11 Mar 2019 20:19

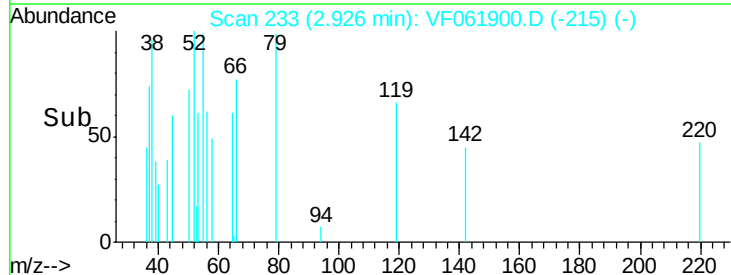
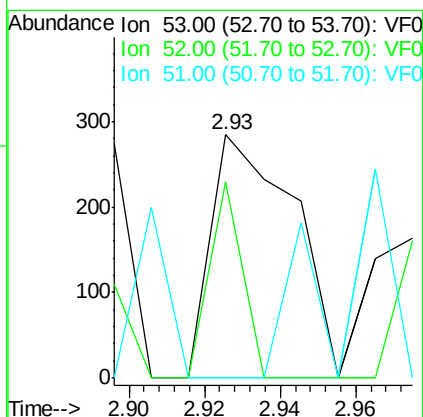
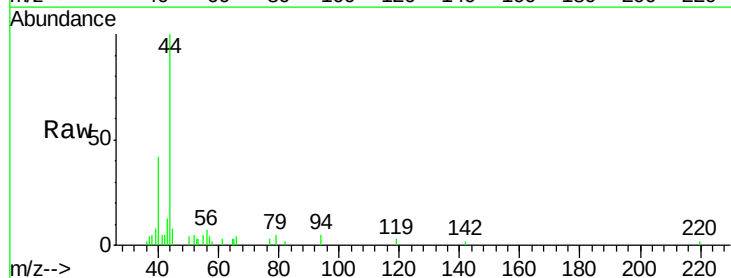
Instrument :
MSVOA_F
ClientSampled :
TP-2

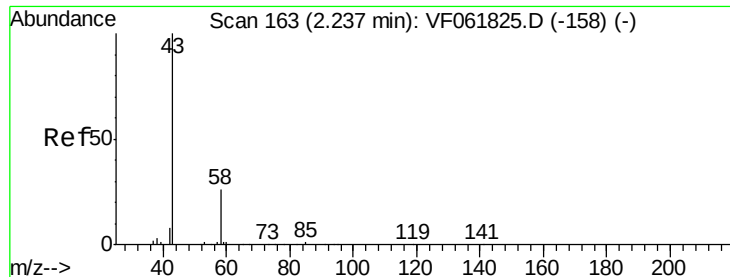
Tot Ion: 56 Resp: 251
Ion Ratio Lower Upper
56 100
55 149.7 51.3 76.9#



#15
Acrylonitrile
Concen: 1.393 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.02 min
Lab File: VF061900.D
Acq: 11 Mar 2019 20:19

Tgt Ion: 53 Resp: 429
Ion Ratio Lower Upper
53 100
52 80.4 67.4 101.0
51 0.0 30.7 46.1#





#16

Acetone

Concen: 109.280 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061900.D

Acq: 11 Mar 2019 20:19

Instrument :

MSVOA_F

ClientSampleId :

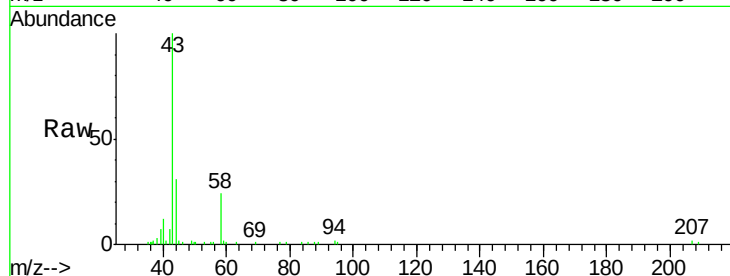
TP-2

Tot Ion: 43 Resp: 38998

Ion Ratio Lower Upper

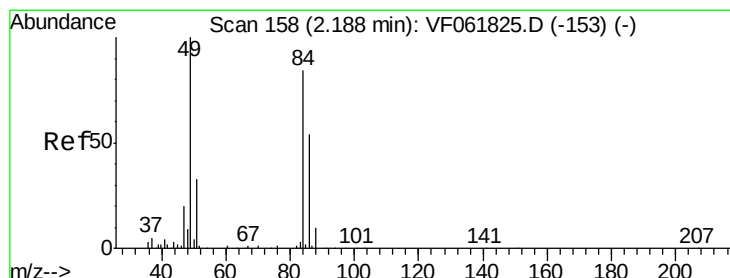
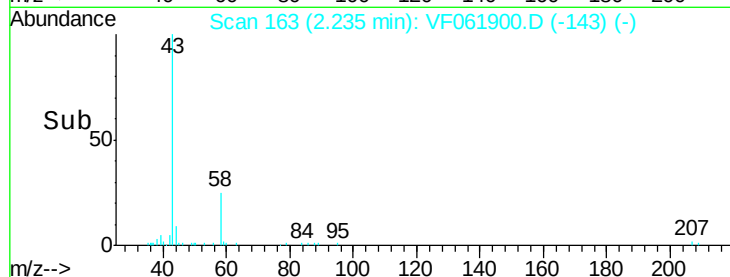
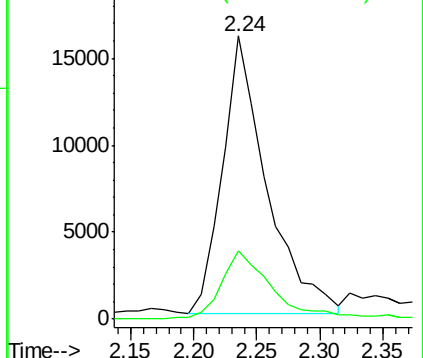
43 100

58 24.1 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.17 min Scan# 156

Delta R.T. -0.02 min

Lab File: VF061900.D

Acq: 11 Mar 2019 20:19

Tgt Ion: 84 Resp: 683

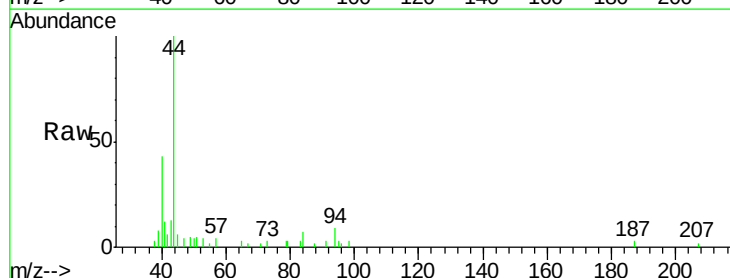
Ion Ratio Lower Upper

84 100

49 62.3 96.8 145.2#

51 62.9 31.8 47.6#

86 0.0 51.6 77.4#

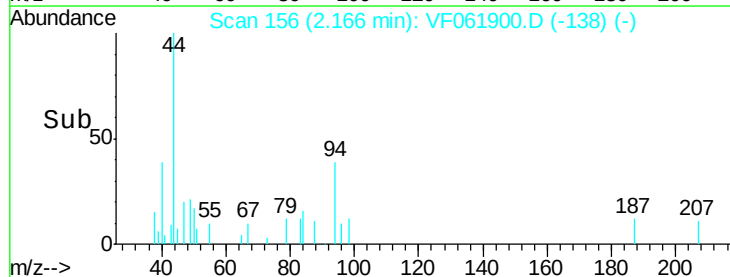
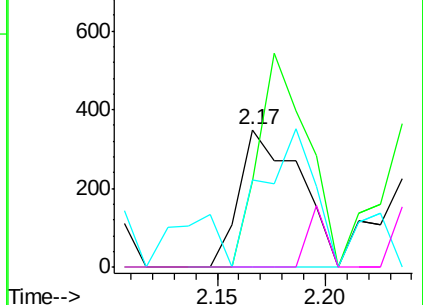


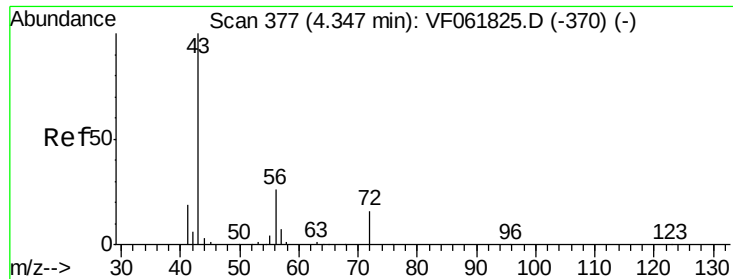
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

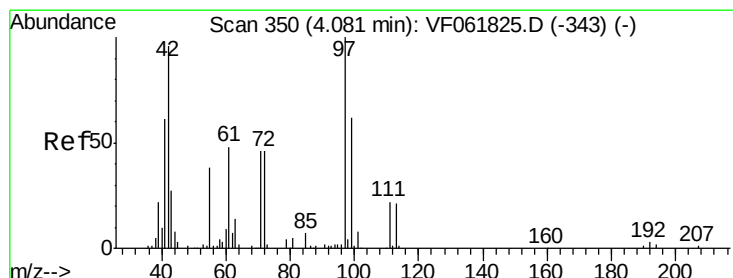
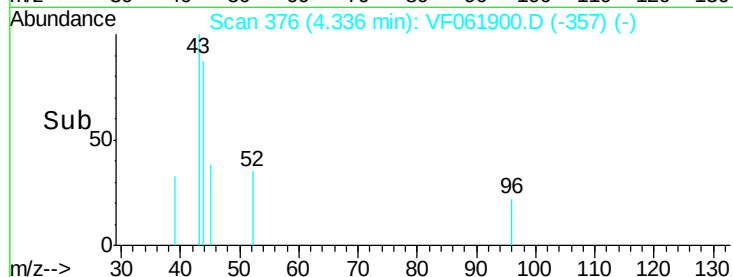
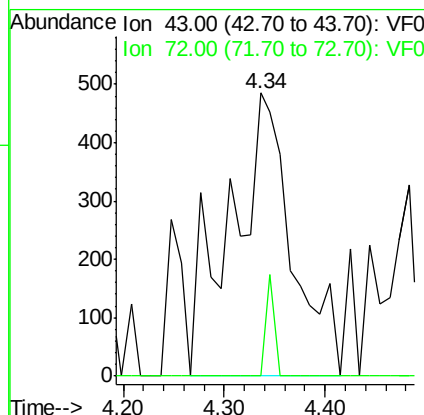
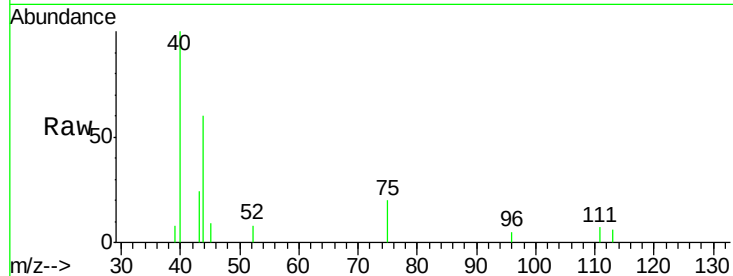




#25
2-Butanone
Concen: 2.848 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF061900.D
Acq: 11 Mar 2019 20:19

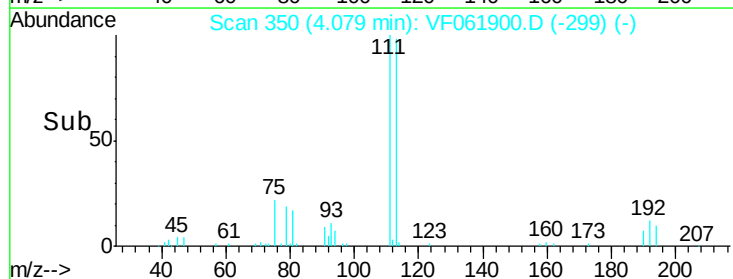
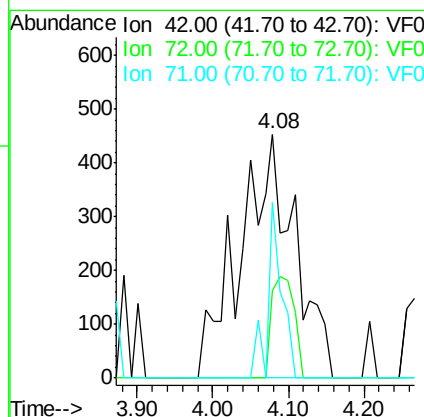
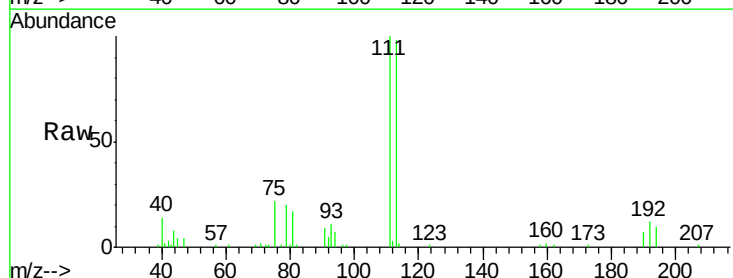
Instrument :
MSVOA_F
ClientSampled :
TP-2

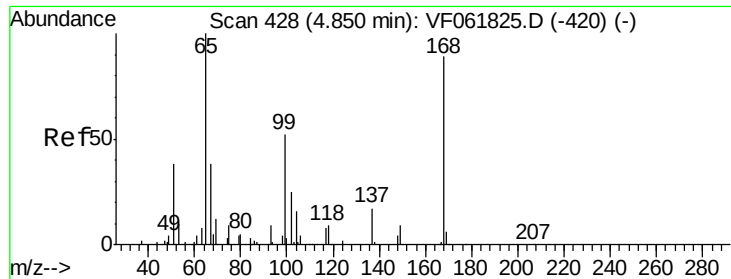
Tot Ion: 43 Resp: 2067
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#



#29
Tetrahydrofuran
Concen: 7.267 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.00 min
Lab File: VF061900.D
Acq: 11 Mar 2019 20:19

Tgt Ion: 42 Resp: 2275
Ion Ratio Lower Upper
42 100
72 17.0 34.4 51.6#
71 18.6 34.6 52.0#

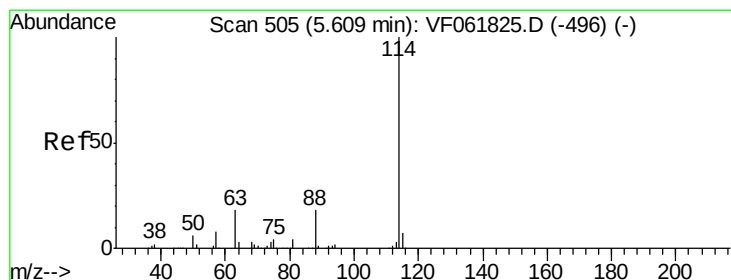
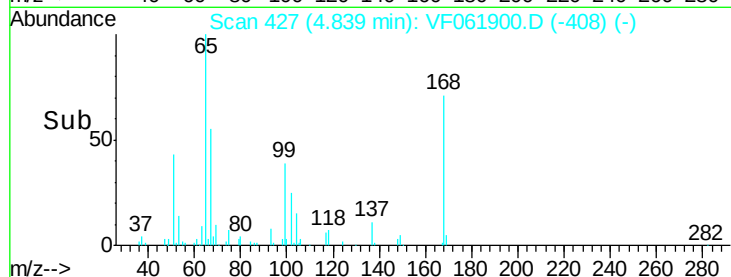
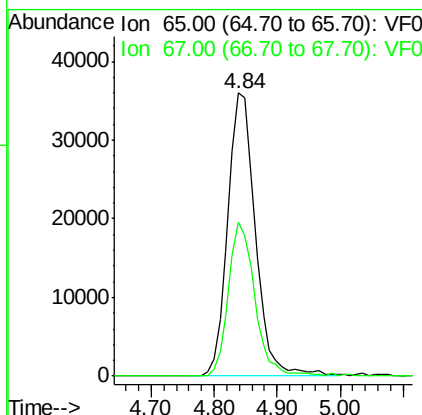
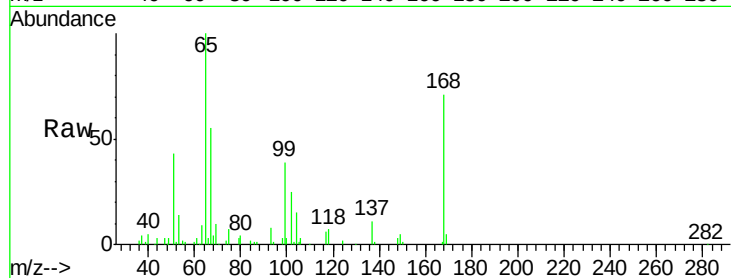




#33
 1,2-Dichloroethane-d4
 Concen: 64.266 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF061900.D
 Acq: 11 Mar 2019 20:19

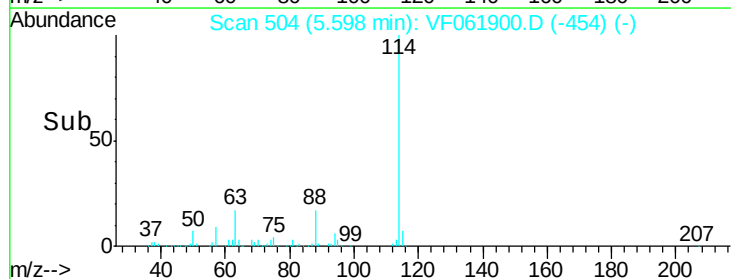
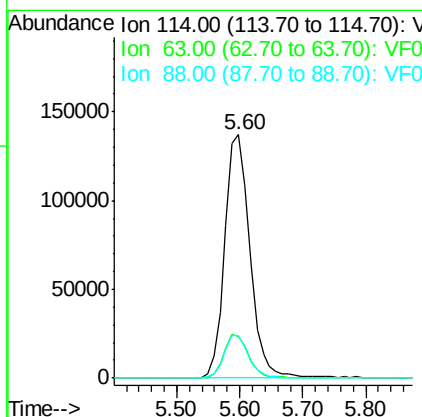
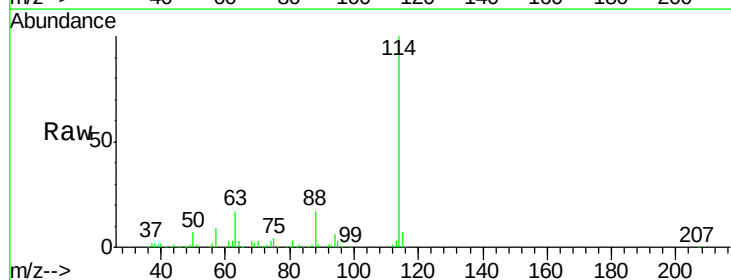
Instrument :
 MSVOA_F
 ClientSampled :
 TP-2

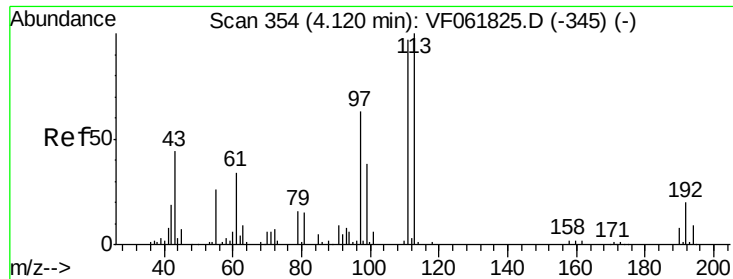
Tot Ion: 65 Resp: 109486
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061900.D
 Acq: 11 Mar 2019 20:19

Tgt Ion: 114 Resp: 380050
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 35.6
 88 17.4 0.0 35.6

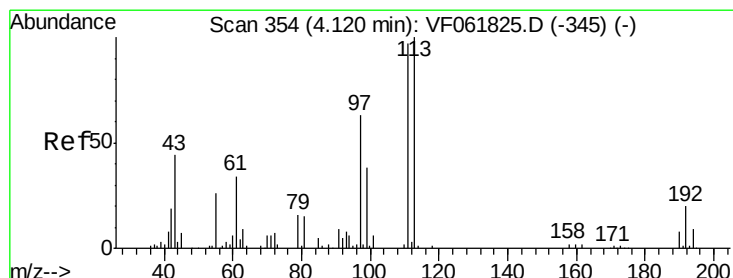
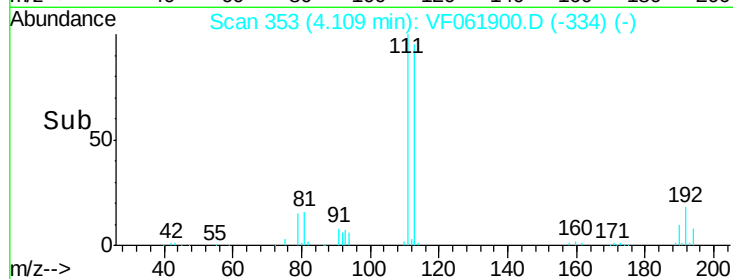
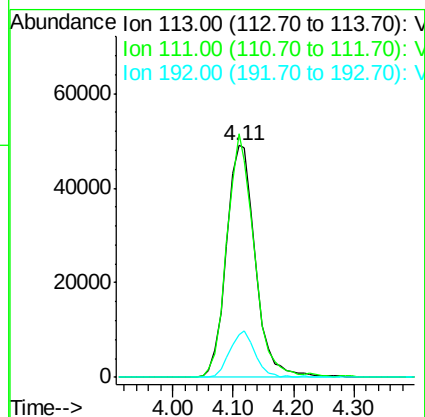
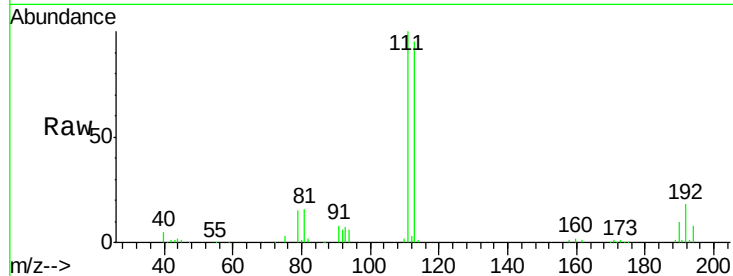




#35
Dibromofluoromethane
Concen: 61.323 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF061900.D
Acq: 11 Mar 2019 20:19

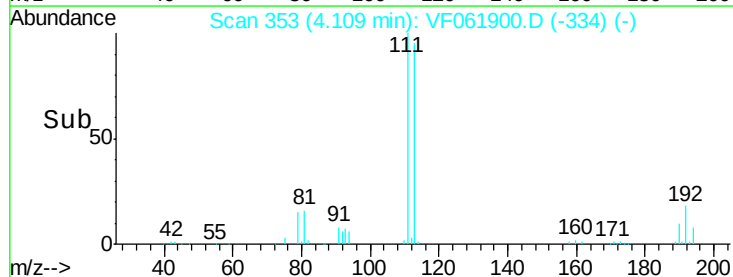
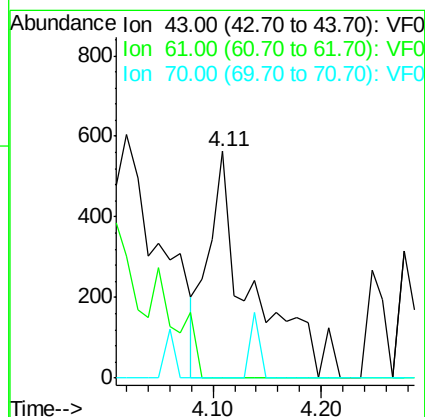
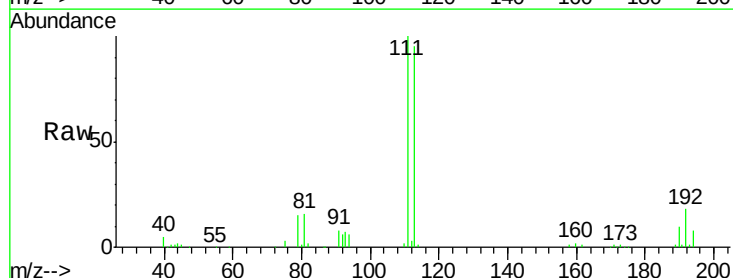
Instrument :
MSVOA_F
ClientSampleId :
TP-2

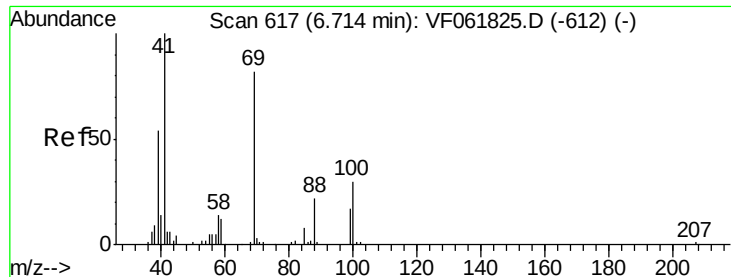
Tot Ion:113 Resp: 162645
Ion Ratio Lower Upper
113 100
111 105.1 77.6 116.4
192 18.6 15.9 23.9



#37
Ethyl Acetate
Concen: 1.040 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF061900.D
Acq: 11 Mar 2019 20:19

Tgt Ion: 43 Resp: 1567
Ion Ratio Lower Upper
43 100
61 0.0 60.7 91.1#
70 0.0 10.6 15.8#





#49

1,4-Dioxane

Concen: 6.421 ug/l

RT: 6.30 min Scan# 575

Delta R.T. -0.42 min

Lab File: VF061900.D

Acq: 11 Mar 2019 20:19

Instrument :

MSVOA_F

ClientSampleId :

TP-2

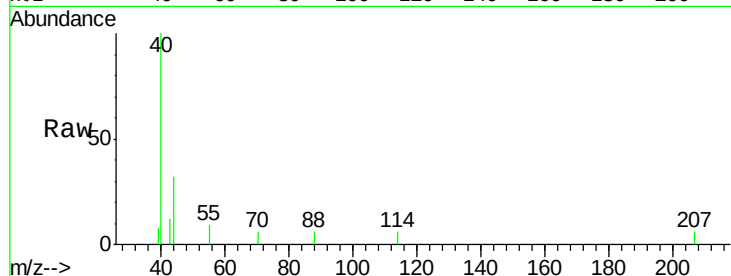
Tot Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 203.4 28.4 42.6#

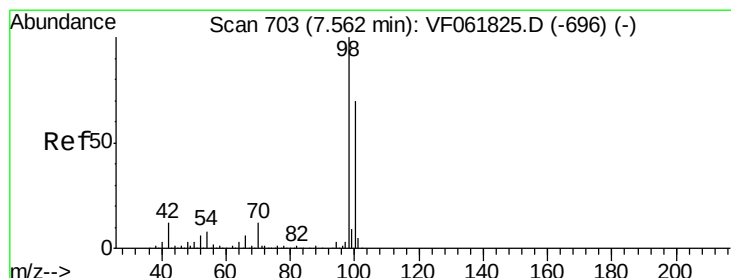
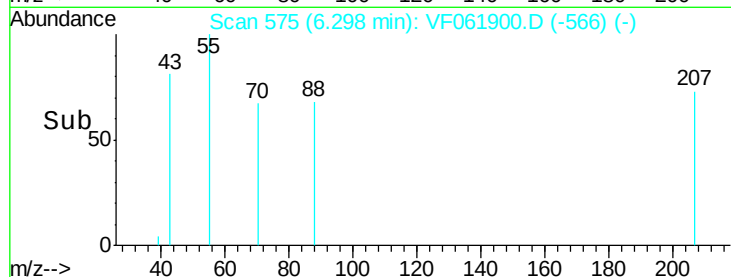
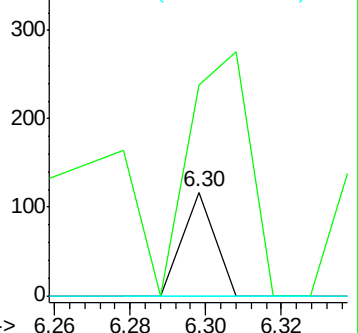
58 0.0 50.7 76.1#



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: 49.391 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061900.D

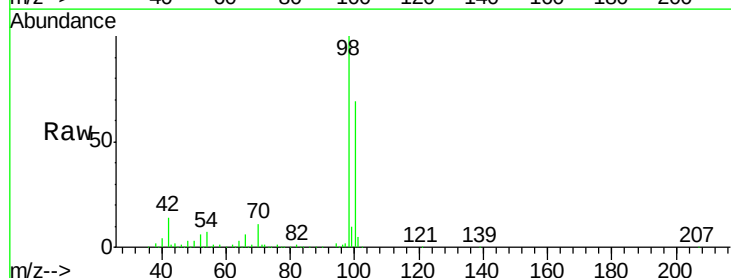
Acq: 11 Mar 2019 20:19

Tgt Ion: 98 Resp: 389366

Ion Ratio Lower Upper

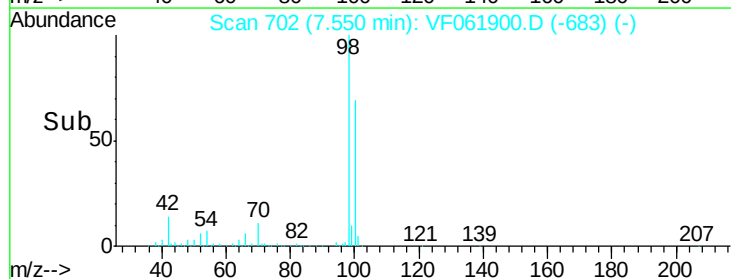
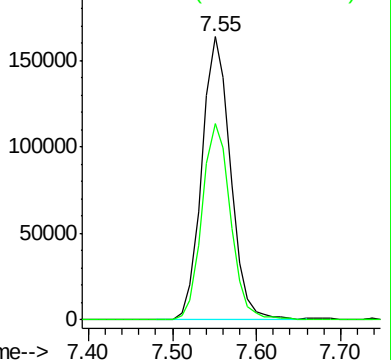
98 100

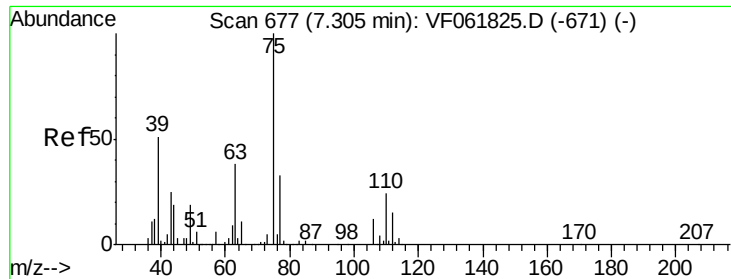
100 69.4 56.0 84.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

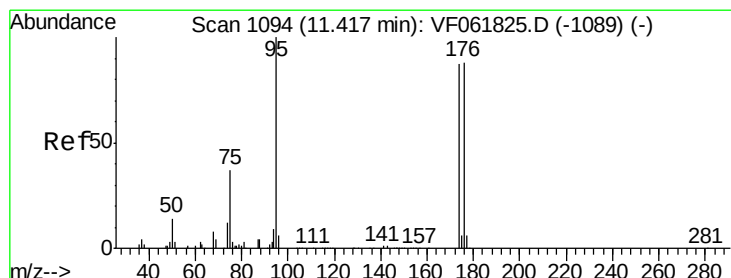
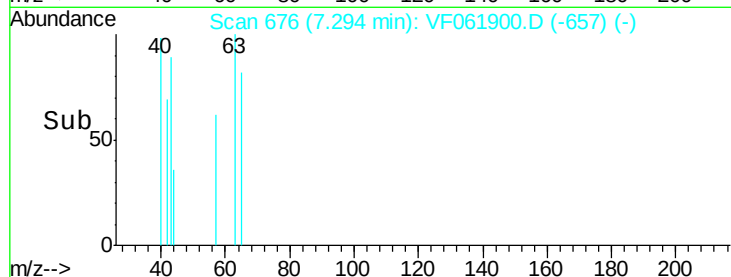
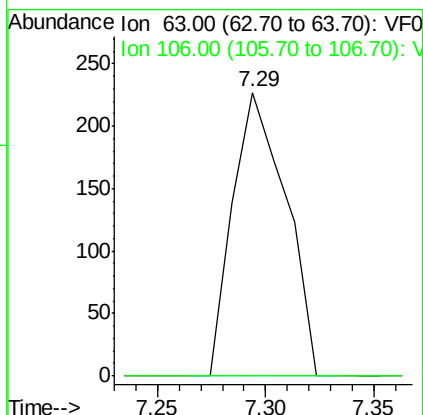
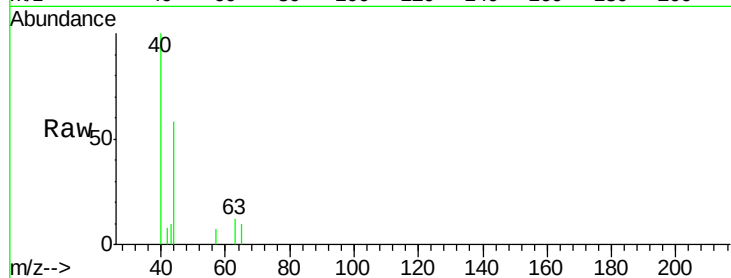




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.371 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VF061900.D
 Acq: 11 Mar 2019 20:19

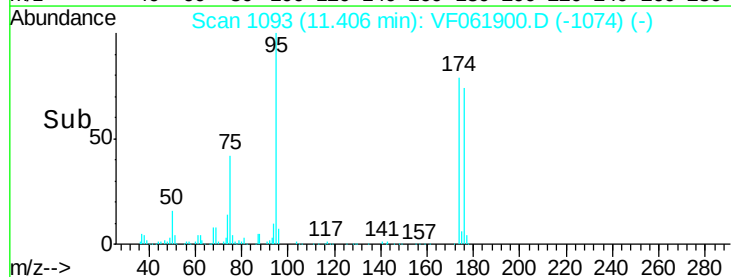
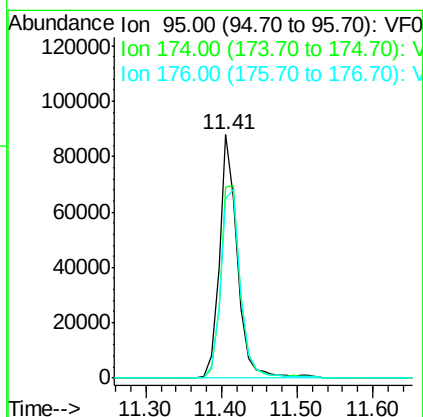
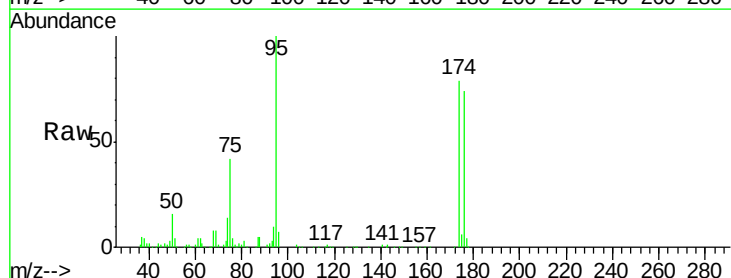
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-2

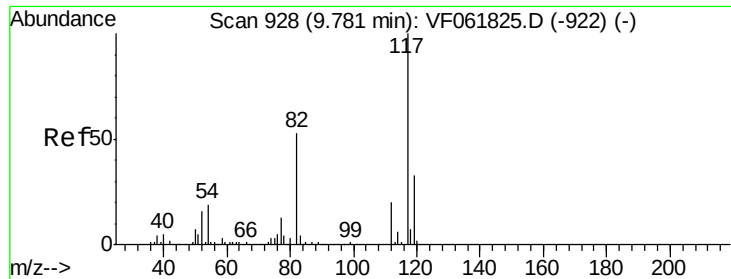
Tot Ion: 63 Resp: 391
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.3 36.5#



#62
 4-Bromofluorobenzene
 Concen: 47.273 ug/l
 RT: 11.41 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VF061900.D
 Acq: 11 Mar 2019 20:19

Tgt Ion: 95 Resp: 145982
 Ion Ratio Lower Upper
 95 100
 174 78.6 0.0 174.0
 176 74.0 0.0 175.2

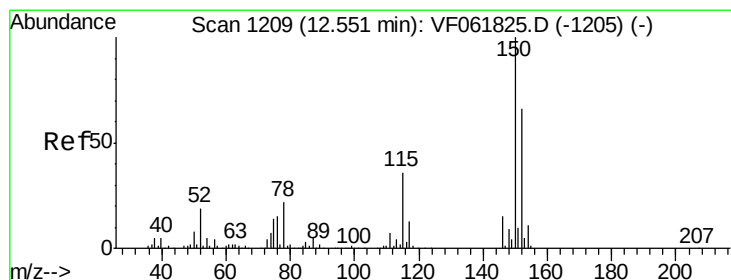
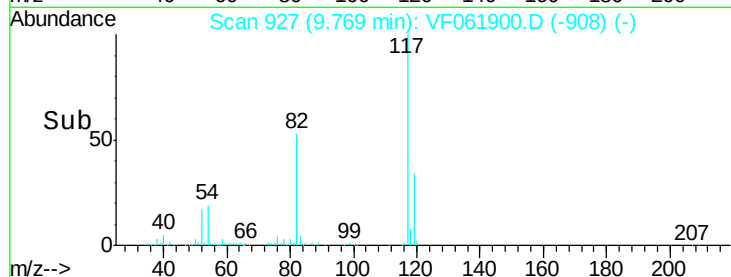
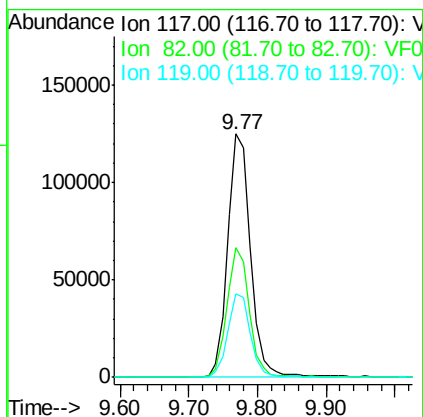
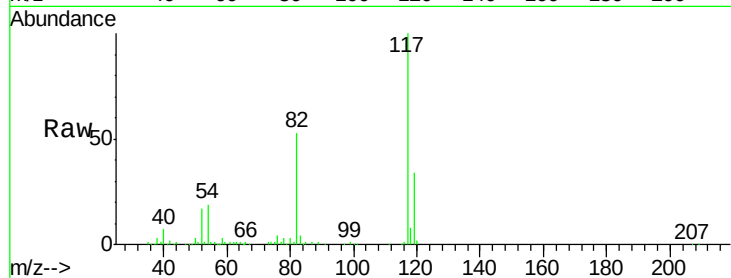




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061900.D
Acq: 11 Mar 2019 20:19

Instrument :
MSVOA_F
ClientSampleId :
TP-2

Tot Ion:117 Resp: 288529
Ion Ratio Lower Upper
117 100
82 53.5 42.6 63.8
119 34.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF061900.D
Acq: 11 Mar 2019 20:19

Tgt Ion:152 Resp: 132614
Ion Ratio Lower Upper
152 100
115 51.0 27.7 83.1
150 147.3 0.0 304.2

