

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060457.D
 Acq On : 5 Oct 2018 1:02
 Operator : VA/AP
 Sample : J5195-01
 Misc : 6.39/5mL/MSVOA F/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Oct 05 02:04:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	209845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	336691	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	181826	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	95063	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	104409	31.80	ug/l	0.00
Spiked Amount 50.000			Recovery =	63.60%		
35) Dibromofluoromethane	4.27	113	119008	37.63	ug/l	0.00
Spiked Amount 50.000			Recovery =	75.26%		
50) Toluene-d8	7.69	98	150116	19.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	38.54%		
62) 4-Bromofluorobenzene	11.50	95	80824	22.72	ug/l	0.01
Spiked Amount 50.000			Recovery =	45.44%		

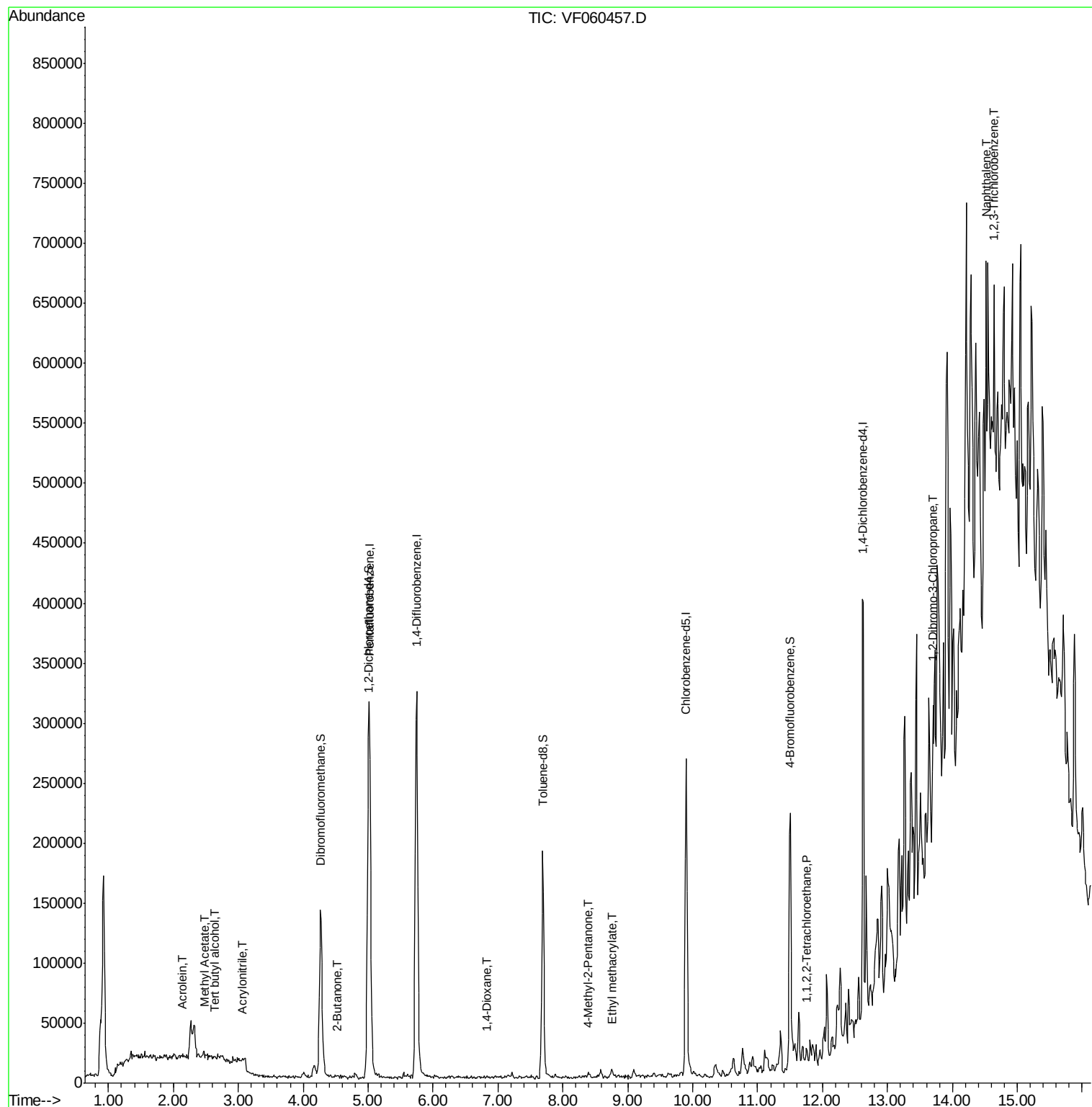
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	92	Below Cal	#	43
11) Tert butyl alcohol	2.64	59	299	1.505	ug/l #	1
13) Acrolein	2.13	56	323	2.022	ug/l	88
15) Acrylonitrile	3.06	53	446	1.311	ug/l #	33
16) Acetone	2.33	43	14943	Below Cal		99
18) Methyl Acetate	2.47	43	5061	2.409	ug/l #	74
20) Methylene Chloride	2.27	84	12126	Below Cal	#	86
25) 2-Butanone	4.51	43	1889	2.222	ug/l #	60
29) Tetrahydrofuran	4.23	42	308	Below Cal	#	61
49) 1,4-Dioxane	6.83	88	64	5.383	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	2730	1.996	ug/l #	85
56) Ethyl methacrylate	8.75	69	4070	2.019	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.75	83	4031	2.954	ug/l #	22
92) 1,2-Dibromo-3-Chloropropan	13.70	75	631	2.385	ug/l #	40
95) Naphthalene	14.52	128	8079	2.004	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.65	180	2270	1.074	ug/l #	22

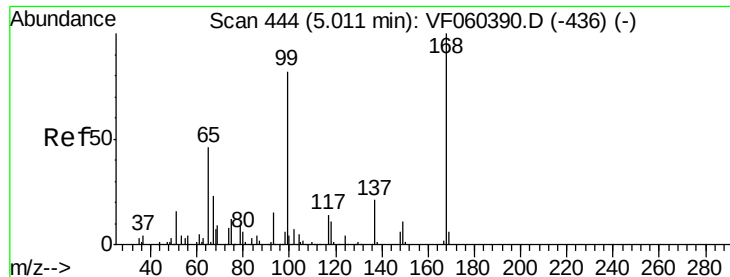
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100418\
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060457.D

Acq: 5 Oct 2018 1:02

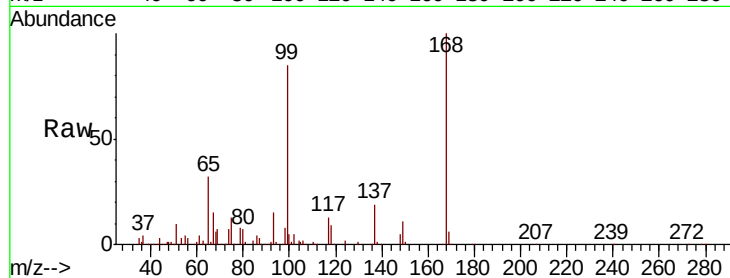
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 209845

Ion Ratio Lower Upper

168 100

99 84.8 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

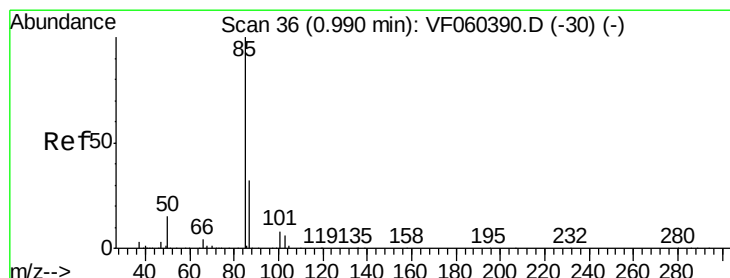
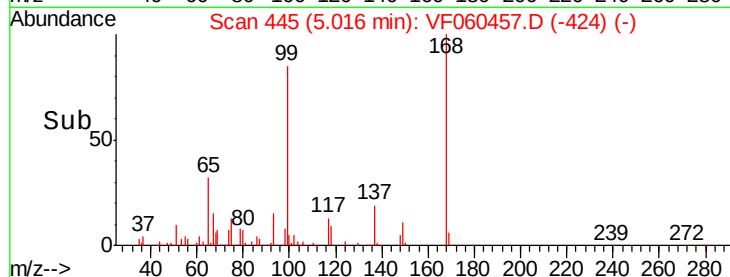
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.97 min Scan# 34

Delta R.T. -0.02 min

Lab File: VF060457.D

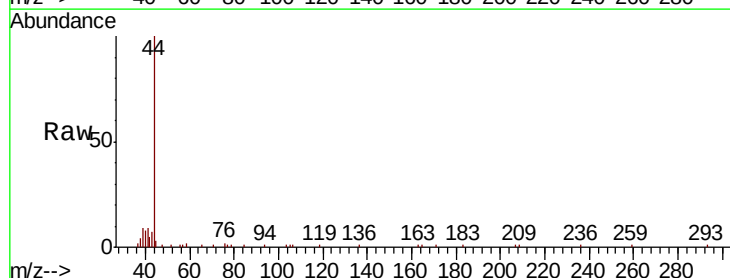
Acq: 5 Oct 2018 1:02

Tgt Ion: 85 Resp: 92

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

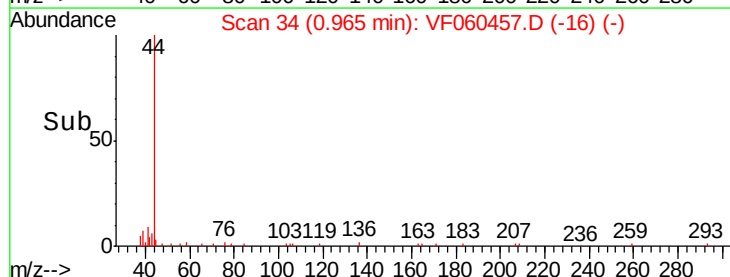
150

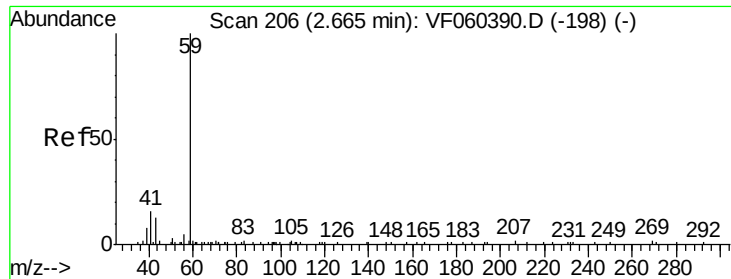
100

50

0

Time--> 0.94 0.96 0.98



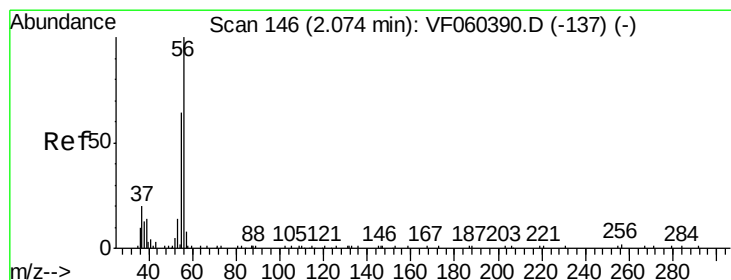
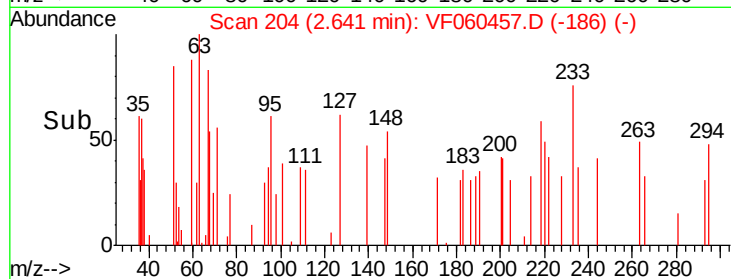
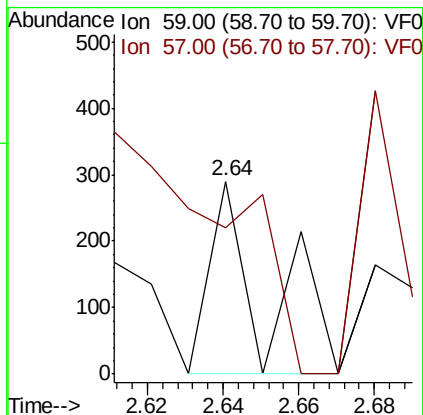
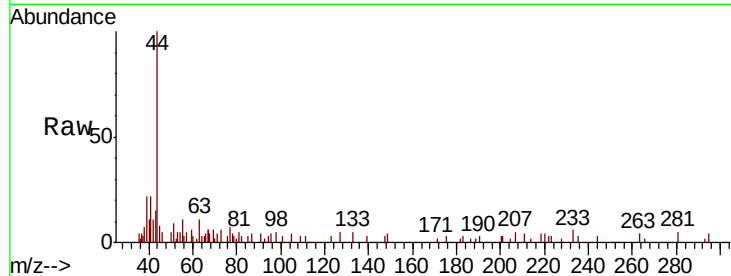


#11

Tert butyl alcohol
Concen: 1.505 ug/l
RT: 2.64 min Scan# 204
Delta R.T. -0.02 min
Lab File: VF060457.D
Acq: 5 Oct 2018 1:02

Instrument :
MSVOA_F
ClientSampled :

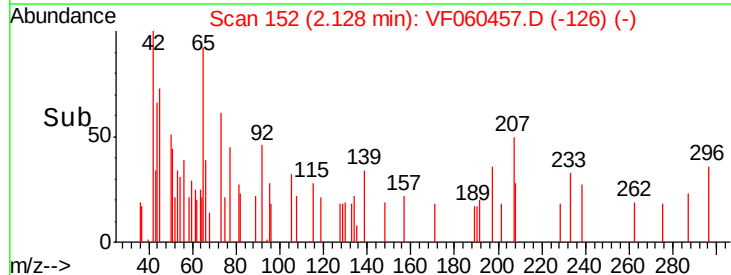
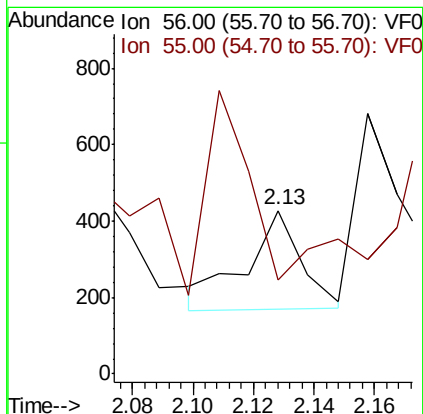
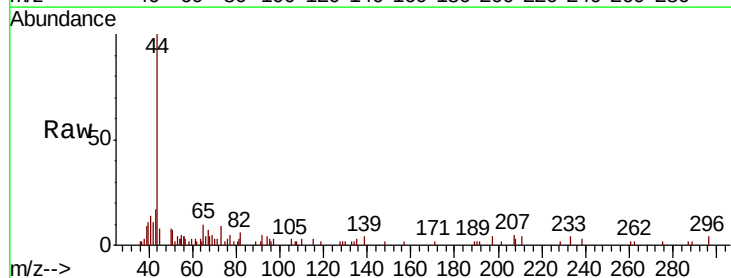
Tot Ion: 59 Resp: 299
Ion Ratio Lower Upper
59 100
57 76.2 6.5 9.7#

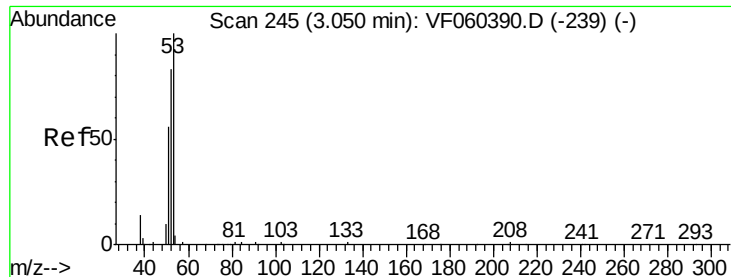


#13

Acrolein
Concen: 2.022 ug/l
RT: 2.13 min Scan# 152
Delta R.T. 0.05 min
Lab File: VF060457.D
Acq: 5 Oct 2018 1:02

Tgt Ion: 56 Resp: 323
Ion Ratio Lower Upper
56 100
55 57.6 53.9 80.9





#15

Acrylonitrile

Concen: 1.311 ug/l

RT: 3.06 min Scan# 247

Delta R.T. 0.01 min

Lab File: VF060457.D

Acq: 5 Oct 2018 1:02

Instrument :

MSVOA_F

ClientSampled :

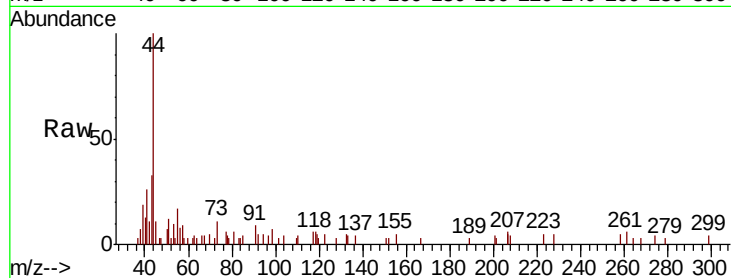
Tot Ion: 53 Resp: 446

Ion Ratio Lower Upper

53 100

52 33.2 66.0 99.0#

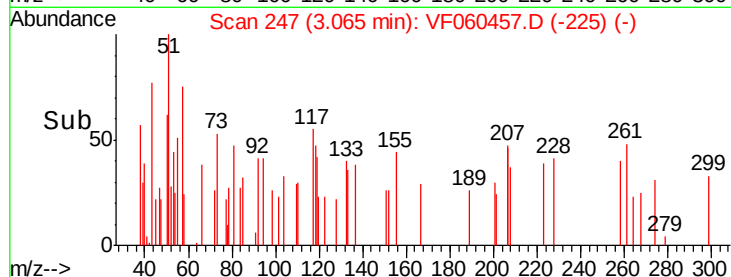
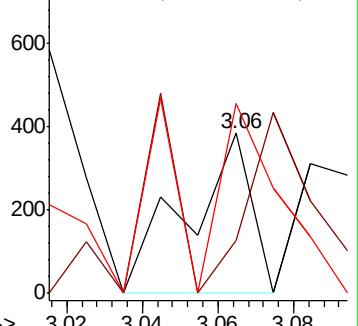
51 118.7 45.6 68.4#



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: Below Cal

RT: 2.33 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF060457.D

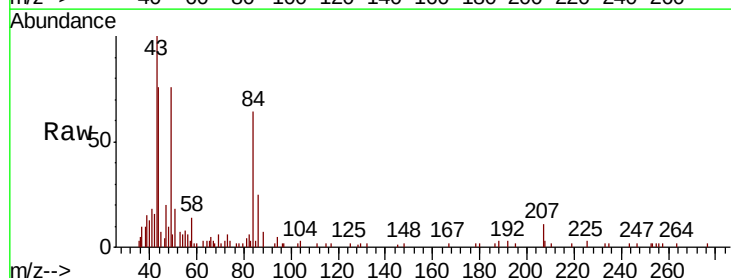
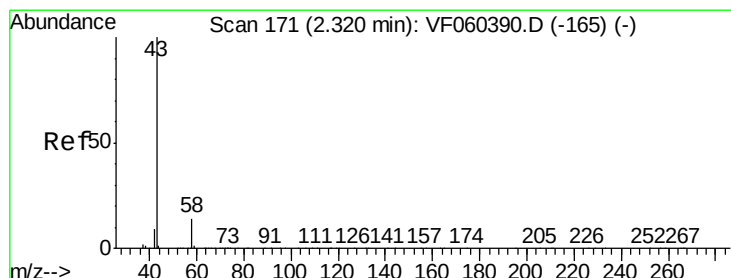
Acq: 5 Oct 2018 1:02

Tgt Ion: 43 Resp: 14943

Ion Ratio Lower Upper

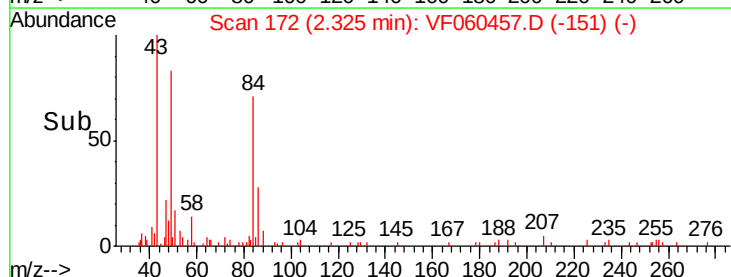
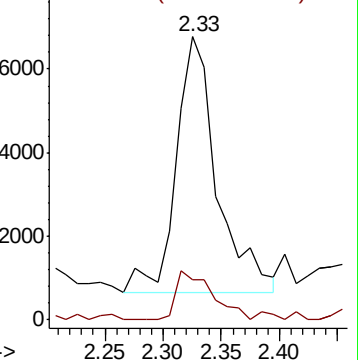
43 100

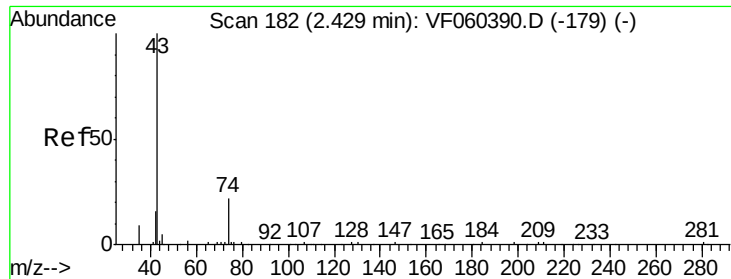
58 14.2 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

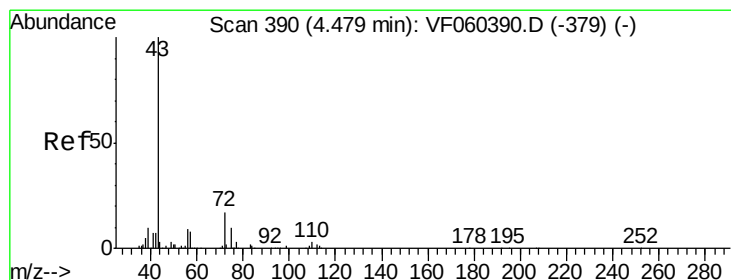
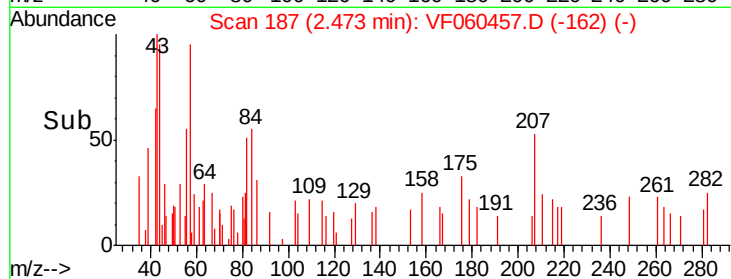
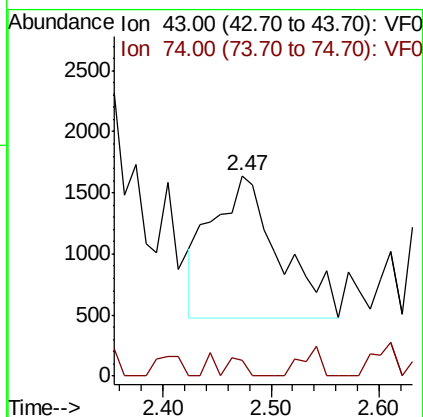
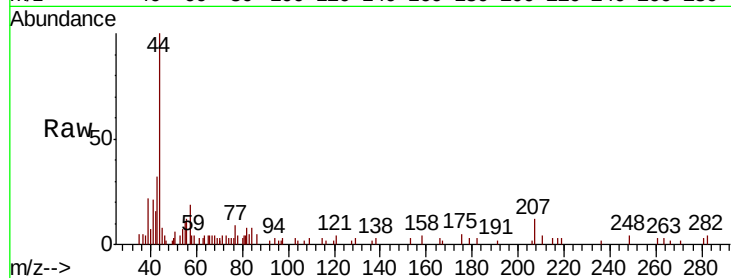




#18
Methyl Acetate
Concen: 2.409 ug/l
RT: 2.47 min Scan# 187
Delta R.T. 0.05 min
Lab File: VF060457.D
Acq: 5 Oct 2018 1:02

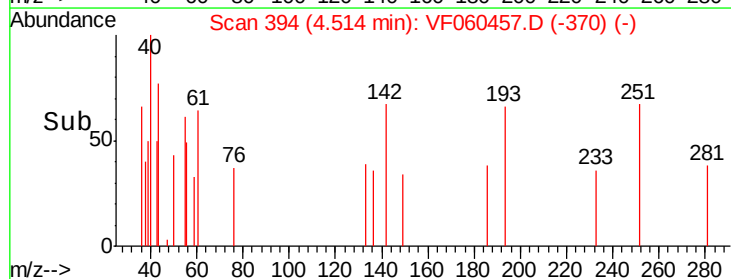
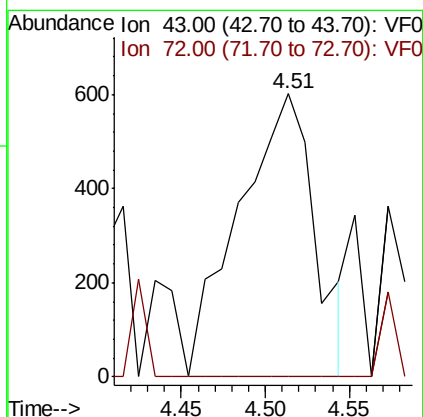
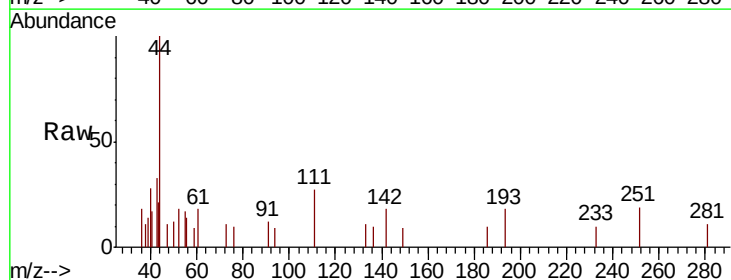
Instrument :
MSVOA_F
ClientSampled :

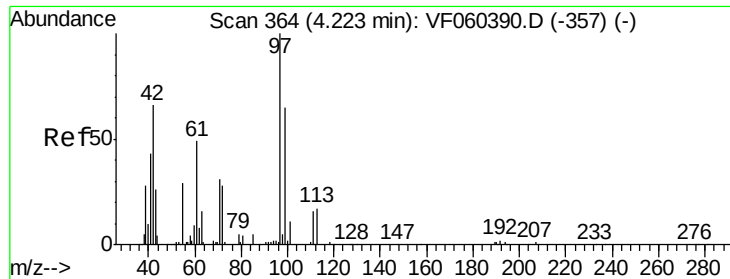
Tot Ion: 43 Resp: 5061
Ion Ratio Lower Upper
43 100
74 7.9 15.8 23.8#



#25
2-Butanone
Concen: 2.222 ug/l
RT: 4.51 min Scan# 394
Delta R.T. 0.03 min
Lab File: VF060457.D
Acq: 5 Oct 2018 1:02

Tgt Ion: 43 Resp: 1889
Ion Ratio Lower Upper
43 100
72 0.0 14.1 21.1#





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.23 min Scan# 365

Delta R.T. 0.01 min

Lab File: VF060457.D

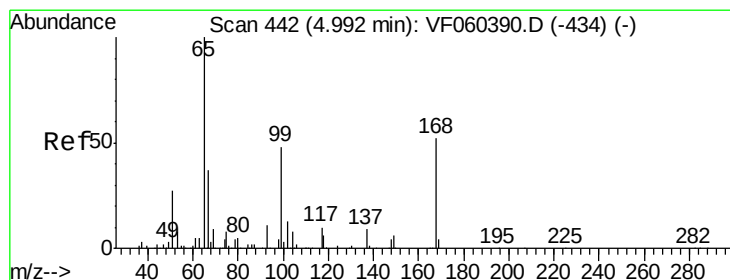
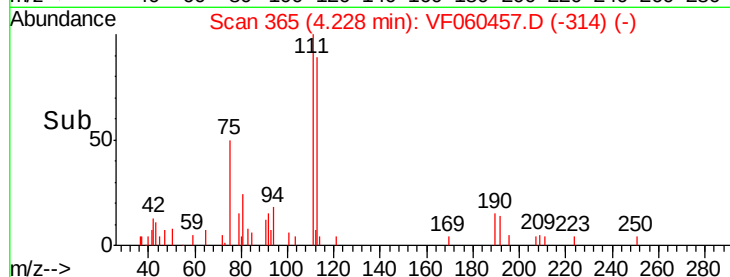
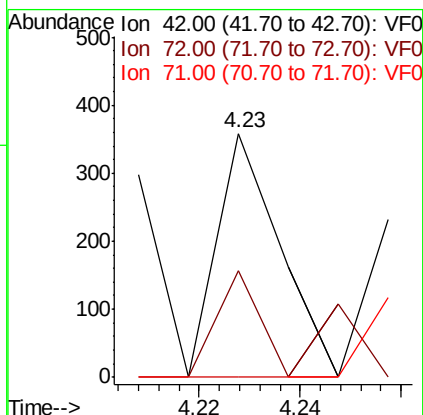
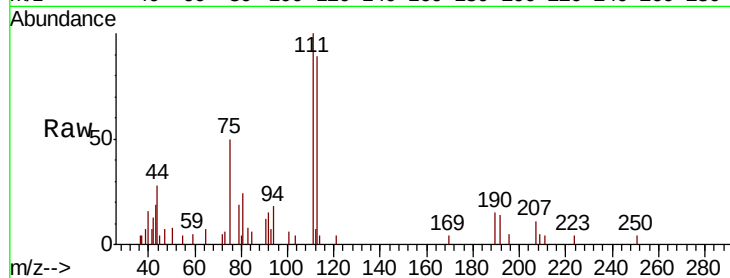
Acq: 5 Oct 2018 1:02

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	42	Resp:	308
Ion	Ratio	Lower	Upper
42	100		
72	50.6	33.6	50.4#
71	0.0	32.7	49.1#



#33

1,2-Dichloroethane-d4

Concen: 31.797 ug/l

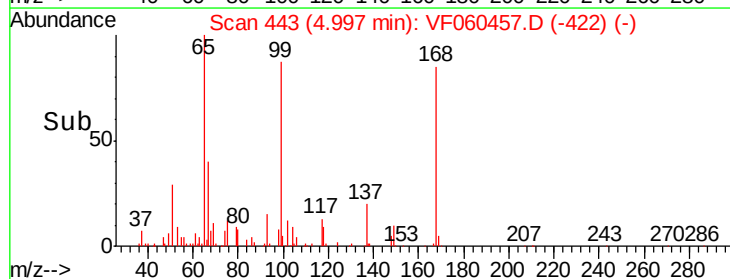
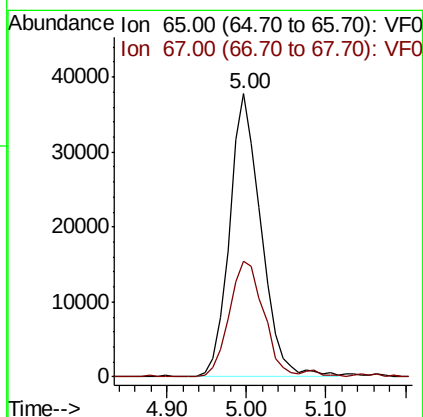
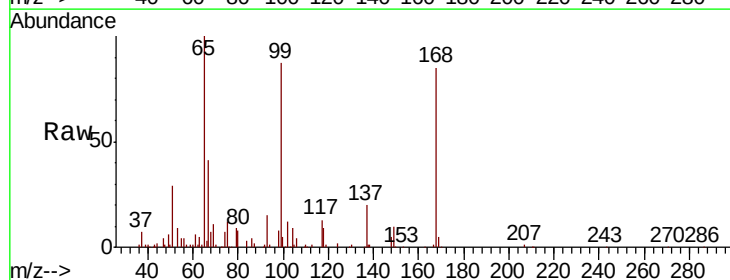
RT: 5.00 min Scan# 443

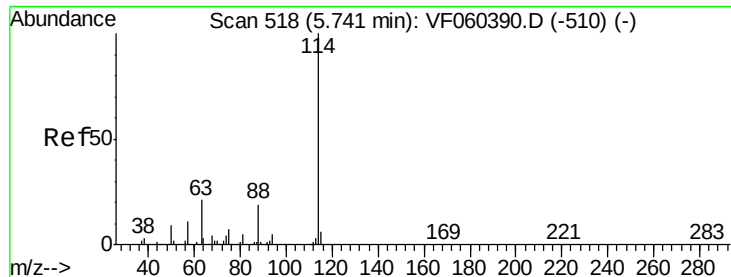
Delta R.T. 0.01 min

Lab File: VF060457.D

Acq: 5 Oct 2018 1:02

Tgt Ion:	65	Resp:	104409
Ion	Ratio	Lower	Upper
65	100		
67	40.8	0.0	89.4

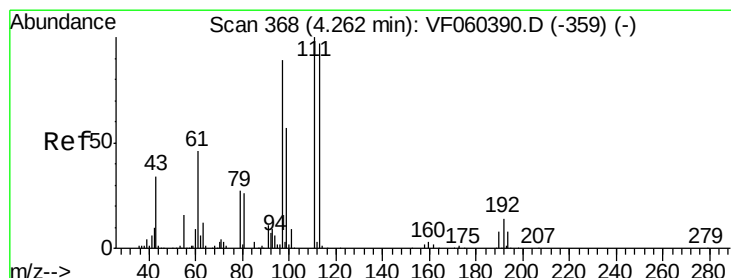
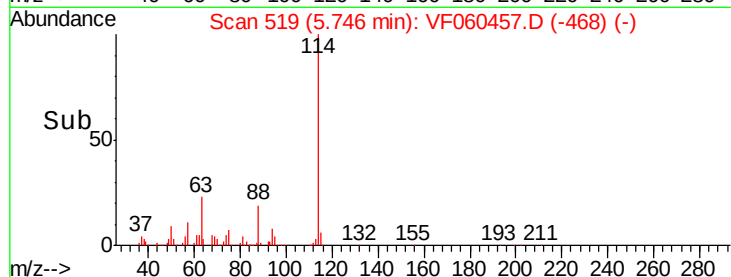
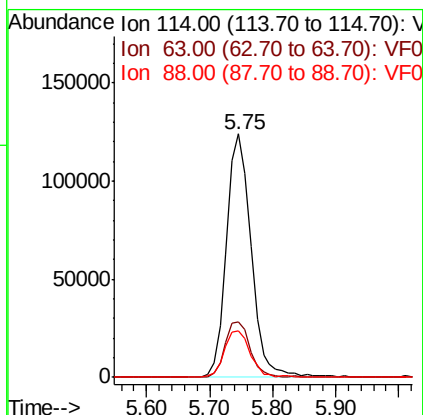
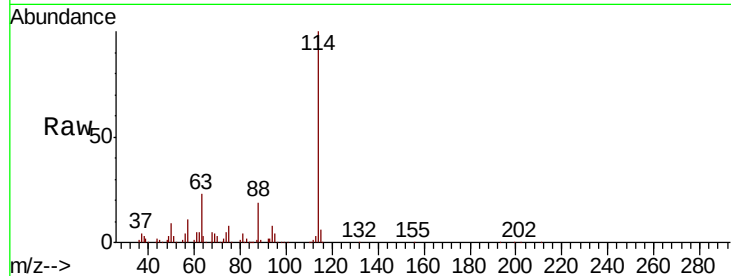




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.75 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF060457.D
Acq: 5 Oct 2018 1:02

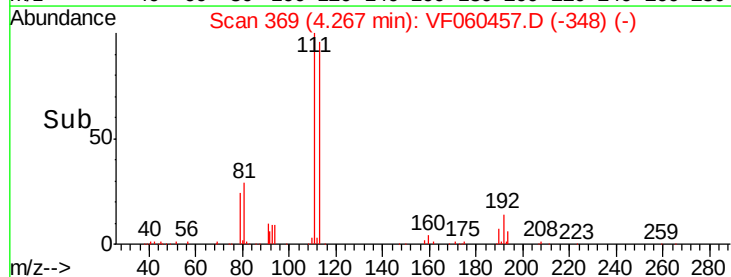
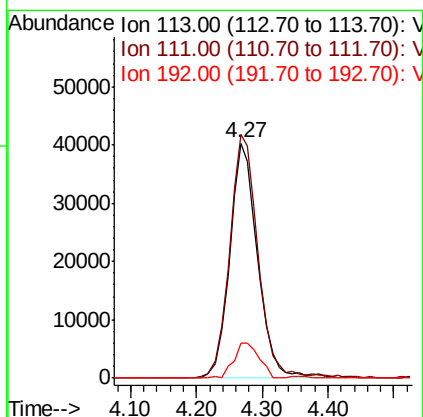
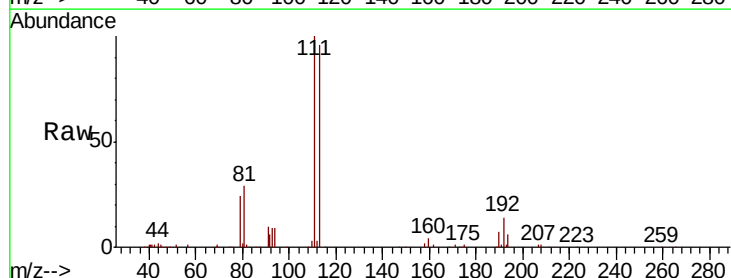
Instrument :
MSVOA_F
ClientSampleId :

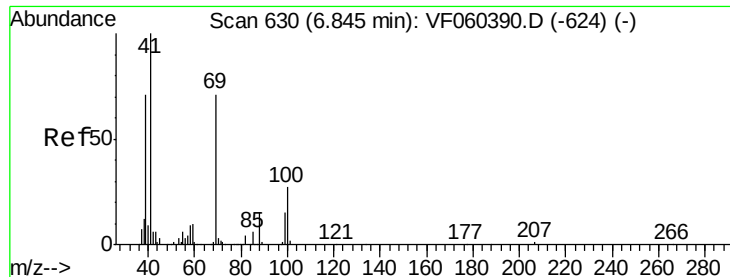
Tot Ion:114 Resp: 336691
Ion Ratio Lower Upper
114 100
63 22.5 0.0 42.2
88 19.4 0.0 38.8



#35
Dibromofluoromethane
Concen: 37.625 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.01 min
Lab File: VF060457.D
Acq: 5 Oct 2018 1:02

Tgt Ion:113 Resp: 119008
Ion Ratio Lower Upper
113 100
111 103.7 82.3 123.5
192 14.7 11.8 17.6

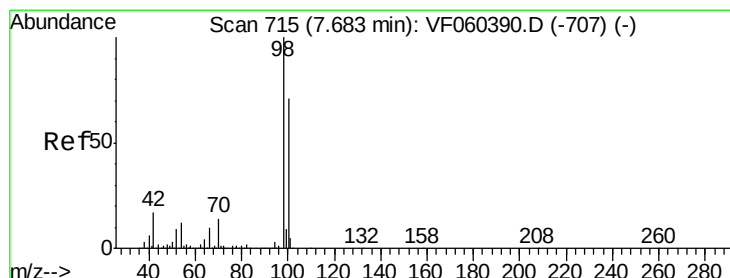
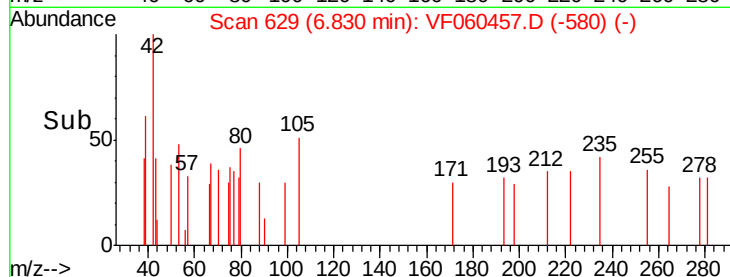
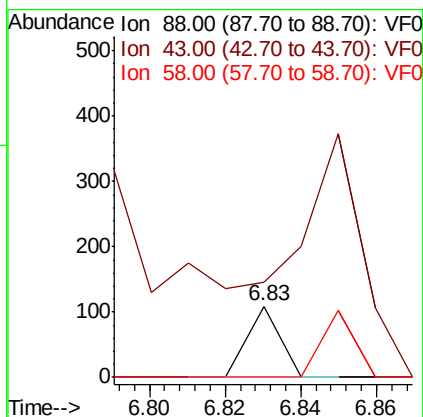
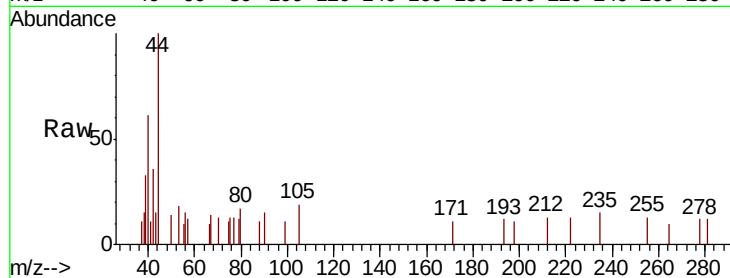




#49
1,4-Dioxane
Concen: 5.383 ug/l
RT: 6.83 min Scan# 629
Delta R.T. -0.01 min
Lab File: VF060457.D
Acq: 5 Oct 2018 1:02

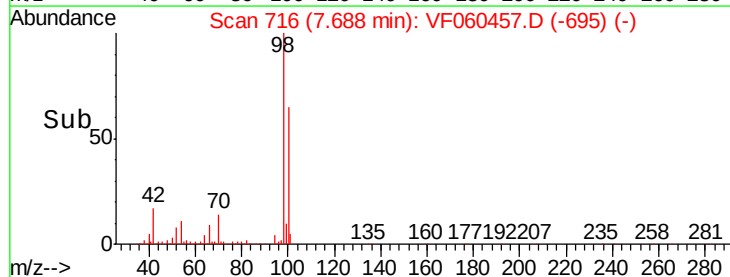
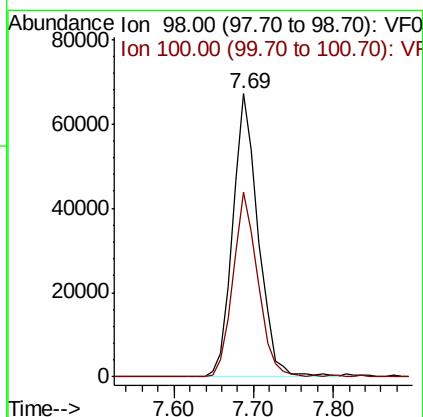
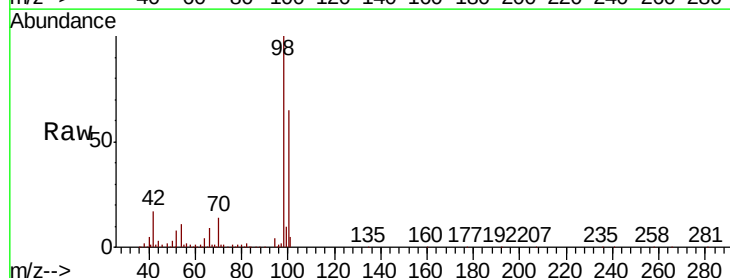
Instrument :
MSVOA_F
ClientSampled :

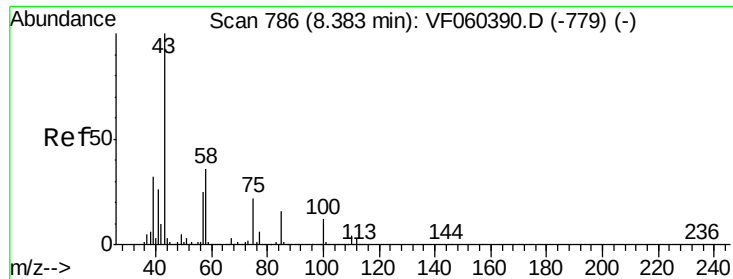
Tot Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 133.0 38.3 57.5#
58 0.0 47.4 71.2#



#50
Toluene-d8
Concen: 19.271 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060457.D
Acq: 5 Oct 2018 1:02

Tgt Ion: 98 Resp: 150116
Ion Ratio Lower Upper
98 100
100 65.2 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 1.996 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.01 min

Lab File: VF060457.D

Acq: 5 Oct 2018 1:02

Instrument :

MSVOA_F

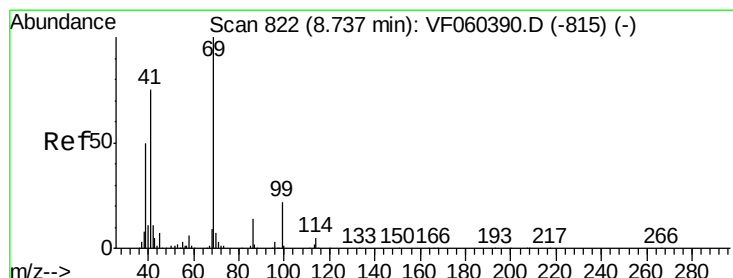
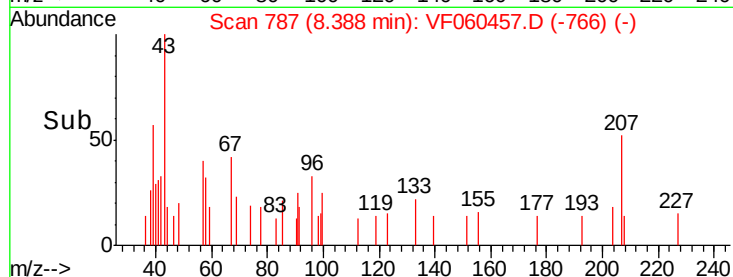
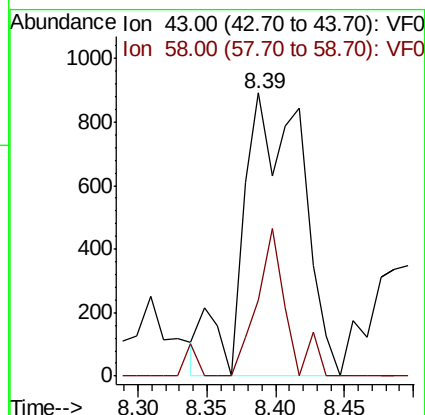
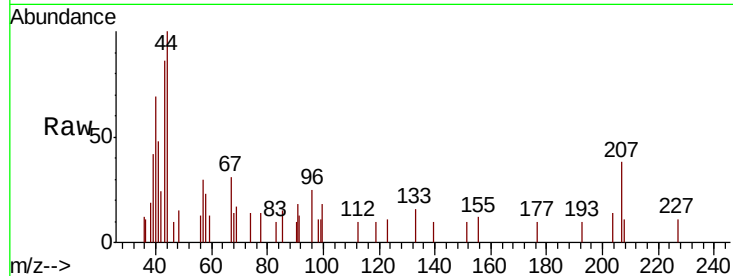
ClientSampled :

Tot Ion: 43 Resp: 2730

Ion Ratio Lower Upper

43 100

58 27.0 28.5 42.7#



#56

Ethyl methacrylate

Concen: 2.019 ug/l

RT: 8.75 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF060457.D

Acq: 5 Oct 2018 1:02

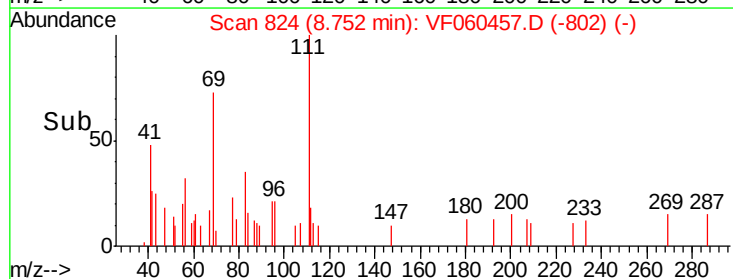
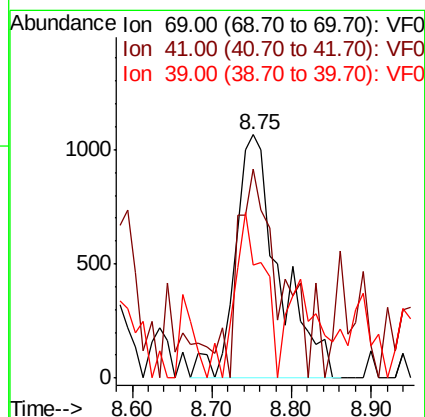
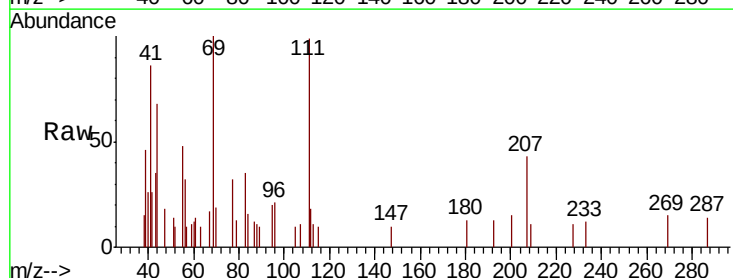
Tgt Ion: 69 Resp: 4070

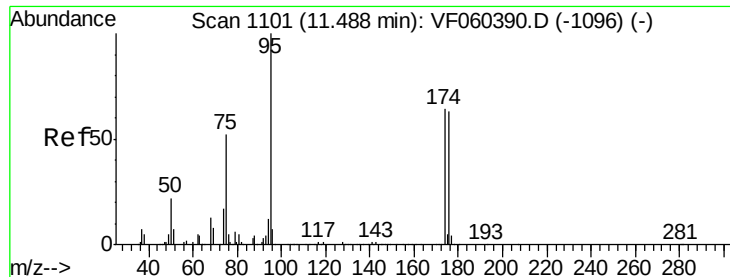
Ion Ratio Lower Upper

69 100

41 85.9 60.2 90.4

39 46.4 40.2 60.2





#62

4-Bromofluorobenzene

Concen: 22.724 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060457.D

Acq: 5 Oct 2018 1:02

Instrument :

MSVOA_F

ClientSampled :

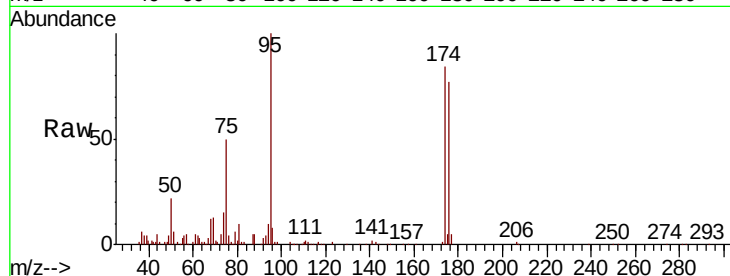
Tot Ion: 95 Resp: 80824

Ion Ratio Lower Upper

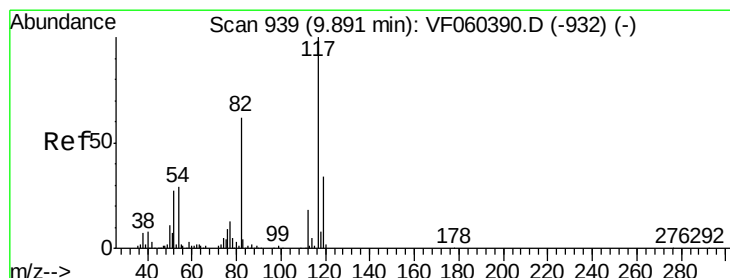
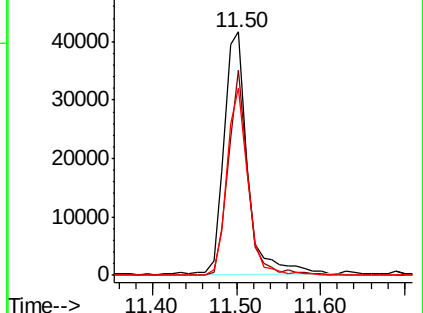
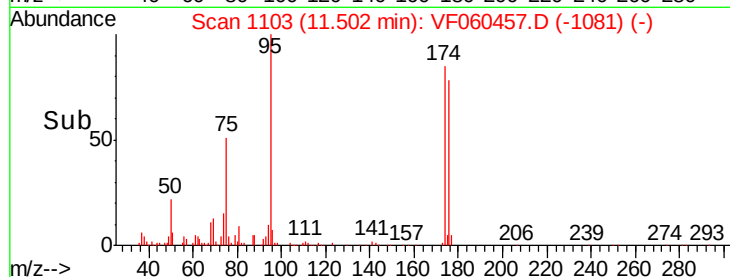
95 100

174 84.1 0.0 129.0

176 77.0 0.0 125.6



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.01 min

Lab File: VF060457.D

Acq: 5 Oct 2018 1:02

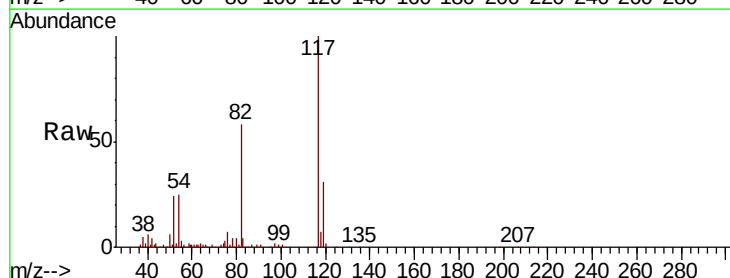
Tgt Ion: 117 Resp: 181826

Ion Ratio Lower Upper

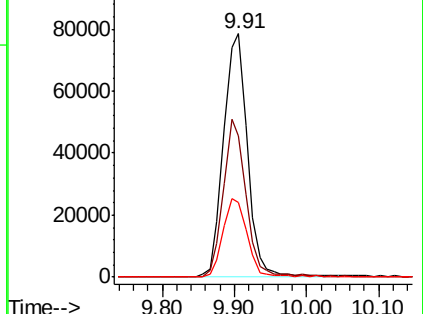
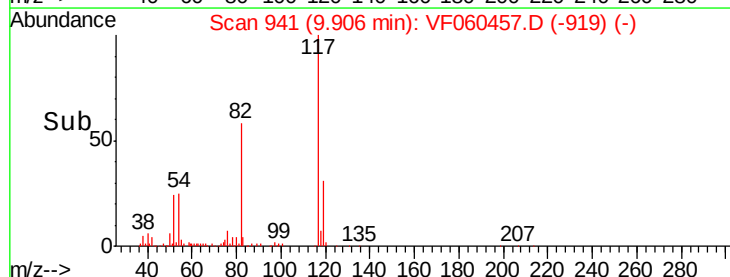
117 100

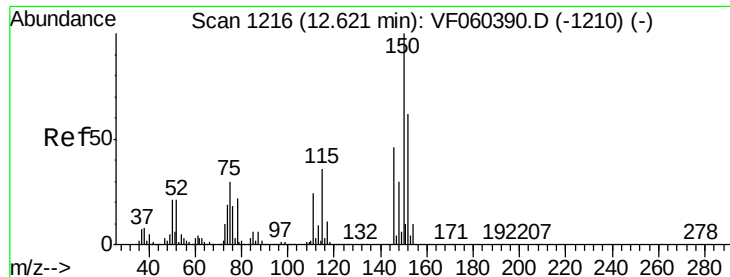
82 58.0 49.5 74.3

119 30.9 27.0 40.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



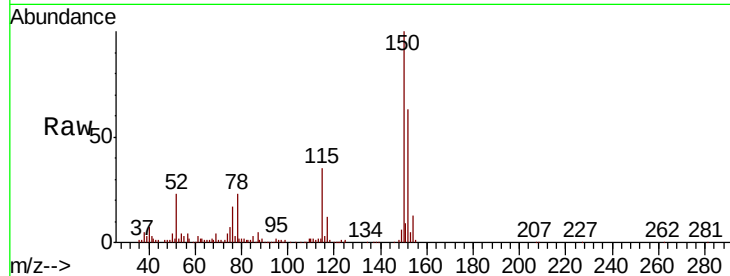


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.01 min
Lab File: VF060457.D
Acq: 5 Oct 2018 1:02

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.6	85.8
150	159.4	0.0	324.6

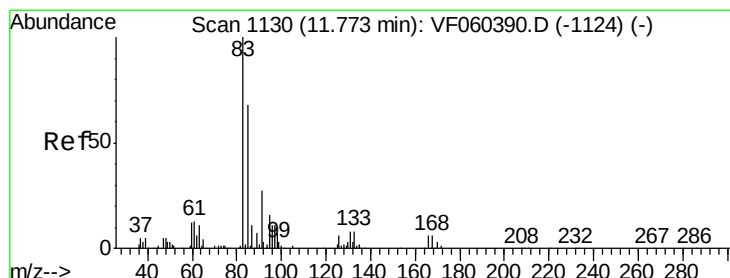
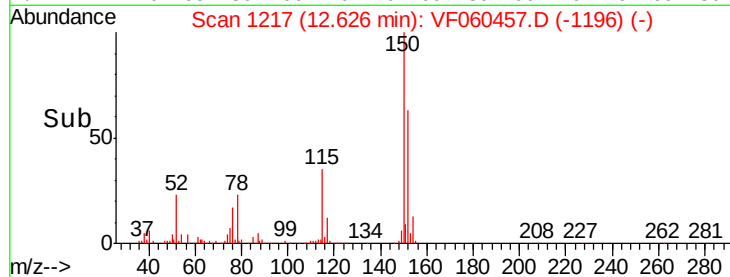
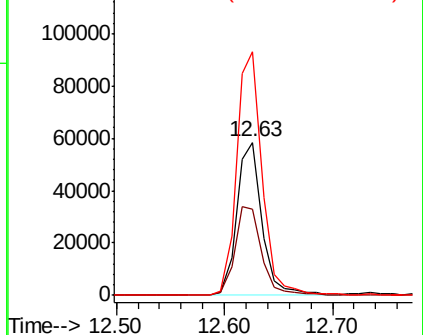


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

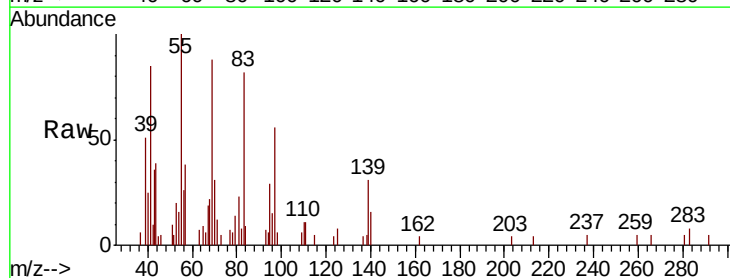
Ion 150.00 (149.70 to 150.70): V



#75

1,1,2,2-Tetrachloroethane
Concen: 2.954 ug/l
RT: 11.75 min Scan# 1128
Delta R.T. -0.02 min
Lab File: VF060457.D
Acq: 5 Oct 2018 1:02

Tgt Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.0	12.0#
85	0.0	34.0	102.0#

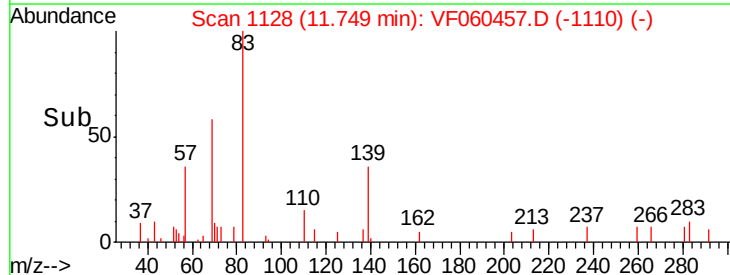
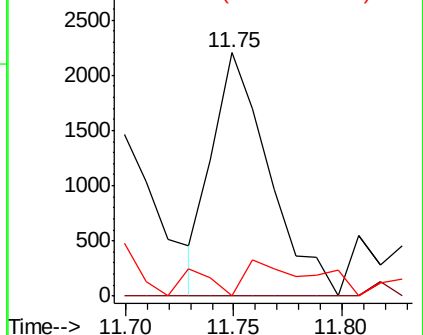


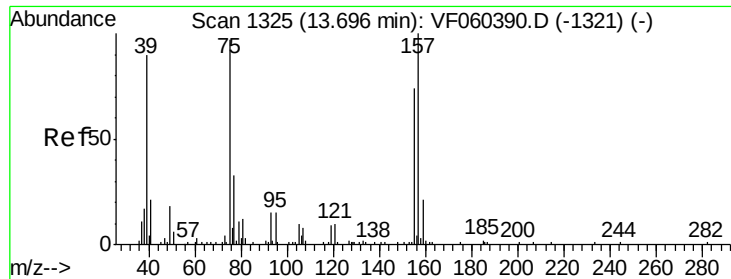
Abundance

Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.385 ug/l

RT: 13.70 min Scan# 1326

Delta R.T. 0.01 min

Lab File: VF060457.D

Acq: 5 Oct 2018 1:02

Instrument :

MSVOA_F

ClientSampled :

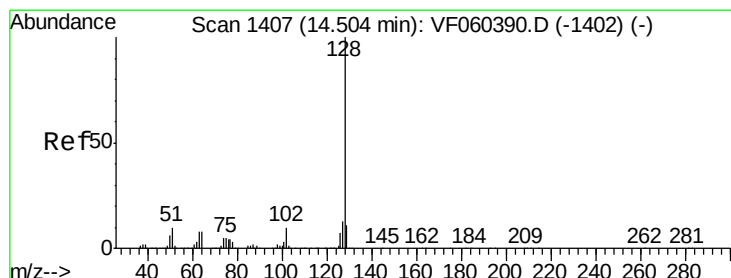
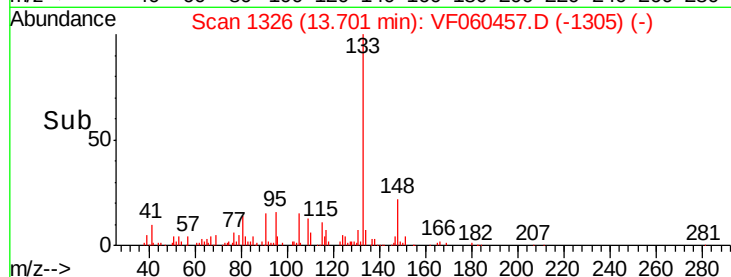
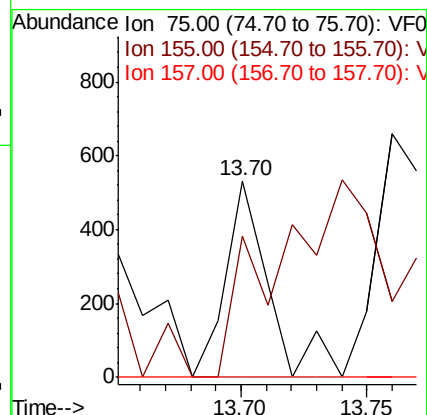
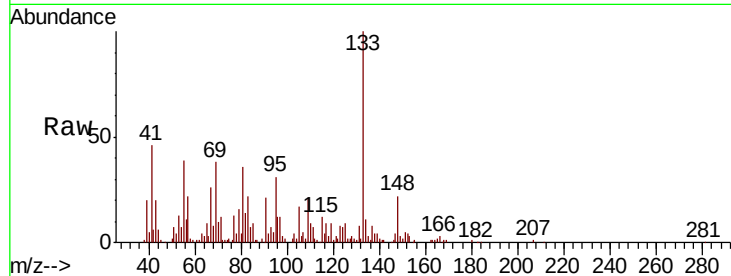
Tot Ion: 75 Resp: 631

Ion Ratio Lower Upper

75 100

155 72.0 37.9 113.6

157 0.0 51.3 154.0#



#95

Naphthalene

Concen: 2.004 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.01 min

Lab File: VF060457.D

Acq: 5 Oct 2018 1:02

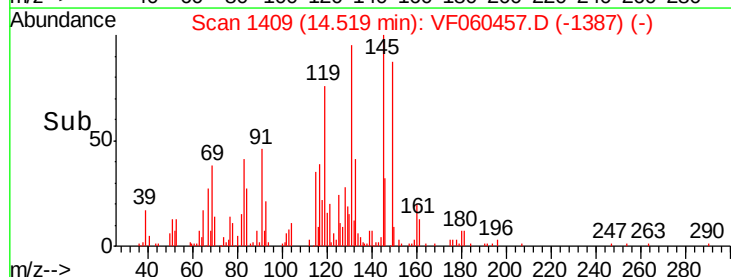
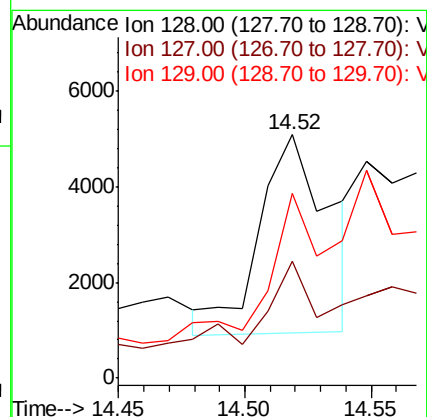
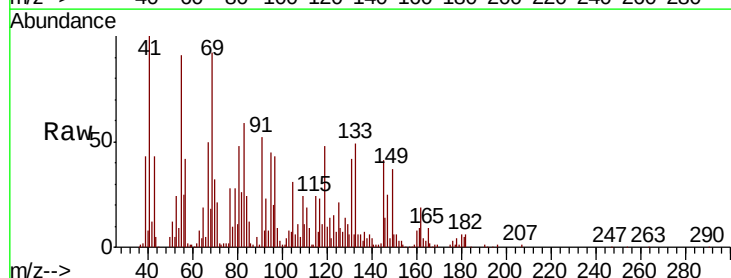
Tgt Ion: 128 Resp: 8079

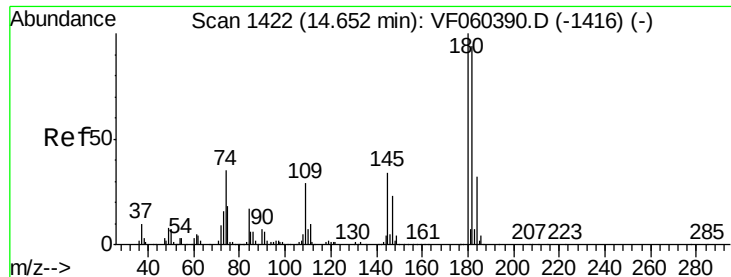
Ion Ratio Lower Upper

128 100

127 47.8 10.0 15.0#

129 75.7 8.7 13.1#

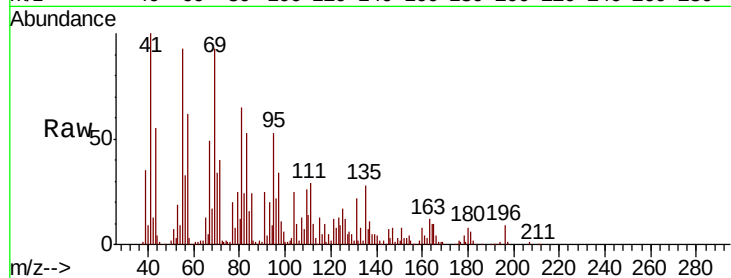




#96
 1,2,3-Trichlorobenzene
 Concen: 1.074 ug/l
 RT: 14.65 min Scan# 1422
 Delta R.T. -0.00 min
 Lab File: VF060457.D
 Acq: 5 Oct 2018 1:02

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	23.7	46.8	140.3#
145	86.8	16.9	50.6#



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

