

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060424.D
 Acq On : 3 Oct 2018 19:40
 Operator : VA/AP
 Sample : J5223-01
 Misc : 5.77/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SSSI-1001-S-DH-01

Quant Time: Oct 04 05:23:16 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	222277	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	372077	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.90	117	332164	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	198263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	181081	52.06	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.12%	
35) Dibromofluoromethane	4.27	113	179031	51.22	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	7.69	98	404083	46.94	ug/l	0.01
Spiked Amount	50.000		Recovery	=	93.88%	
62) 4-Bromofluorobenzene	11.50	95	200256	50.95	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.90%	

Target Compounds

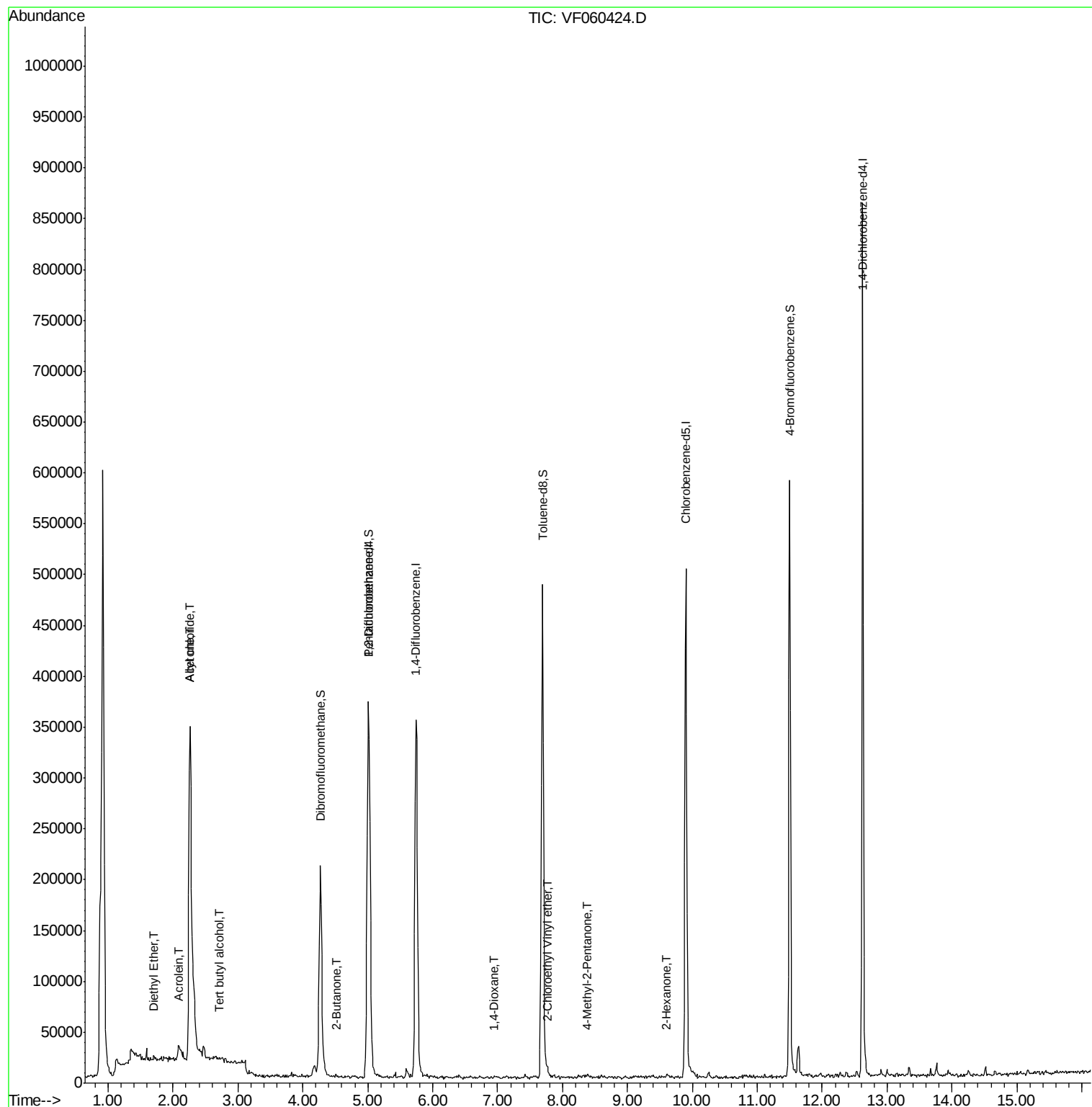
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	794	Below Cal	#	43
8) Diethyl Ether	1.70	74	1261	1.263	ug/l	80
11) Tert butyl alcohol	2.71	59	873	4.150	ug/l #	1
13) Acrolein	2.09	56	479	2.831	ug/l #	1
14) Allyl chloride	2.26	41	54554	12.628	ug/l #	69
16) Acetone	2.26	43	125247	166.950	ug/l #	70
20) Methylene Chloride	2.27	84	12265	Below Cal		88
25) 2-Butanone	4.50	43	1520	1.688	ug/l #	60
29) Tetrahydrofuran	4.24	42	965	Below Cal	#	49
49) 1,4-Dioxane	6.93	88	76	5.784	ug/l #	1
51) 4-Methyl-2-Pentanone	8.38	43	3400	2.250	ug/l #	64
58) 2-Chloroethyl Vinyl ether	7.77	63	946	4.157	ug/l	100
59) 2-Hexanone	9.61	43	2856	2.577	ug/l	75

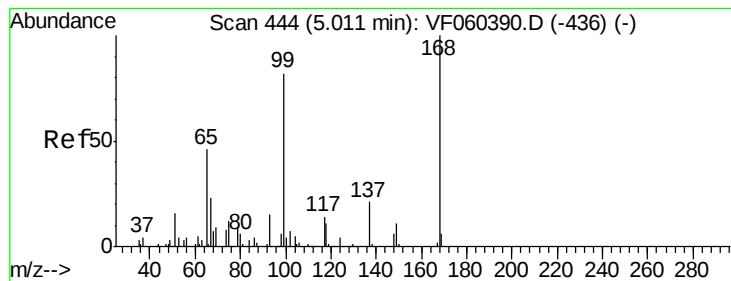
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060424.D

Acq: 3 Oct 2018 19:40

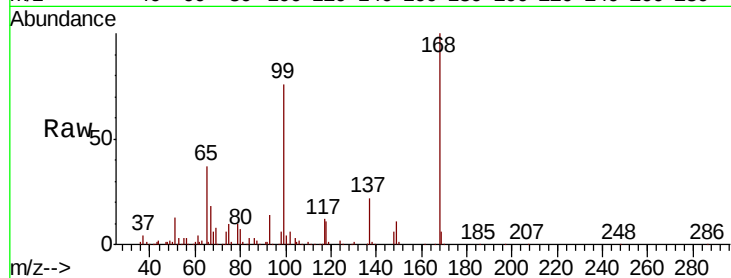
Instrument :
MSVOA_F
ClientSampleId :
SSSI-1001-S-DH-01

Tot Ion:168 Resp: 222277

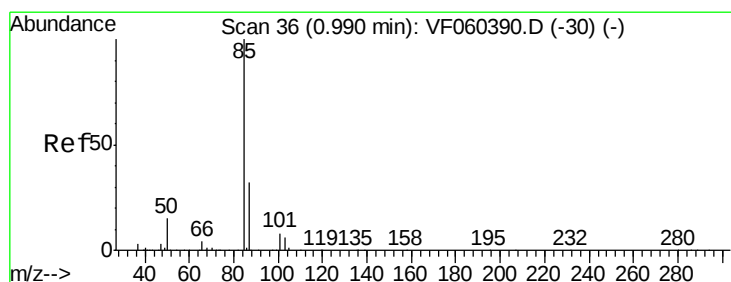
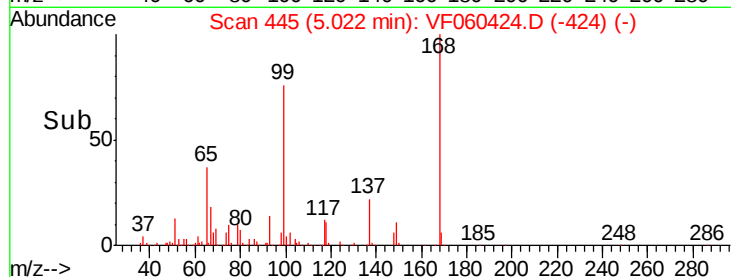
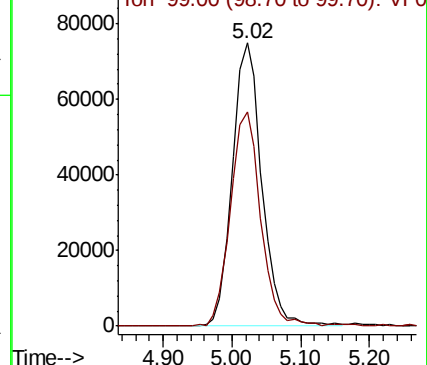
Ion Ratio Lower Upper

168 100

99 75.7 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060424.D

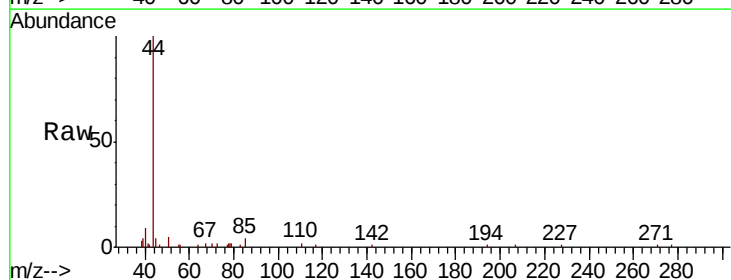
Acq: 3 Oct 2018 19:40

Tgt Ion: 85 Resp: 794

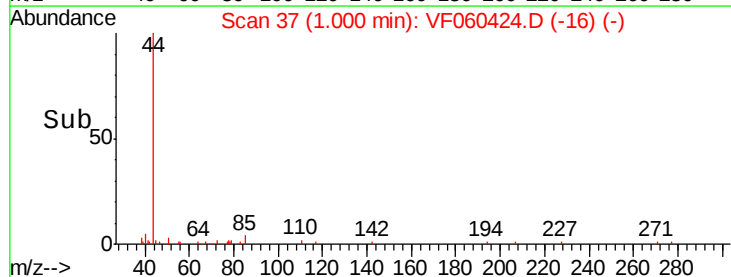
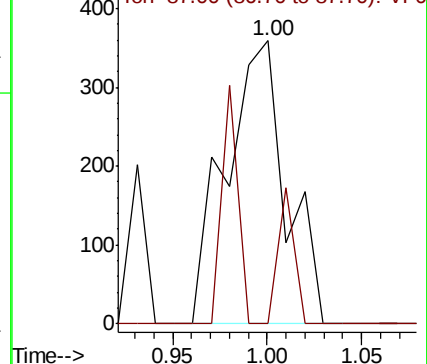
Ion Ratio Lower Upper

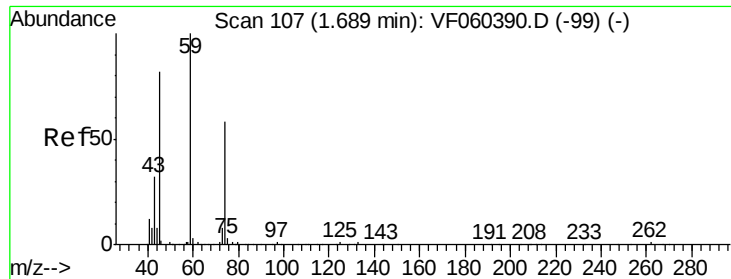
85 100

87 0.0 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

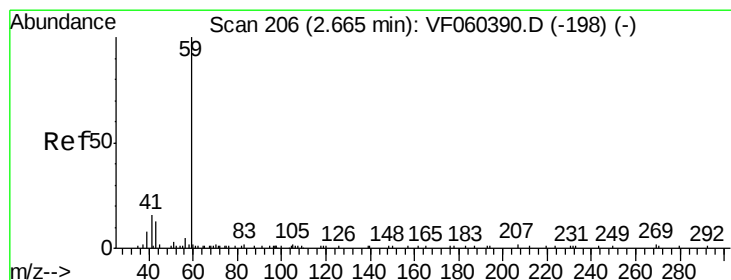
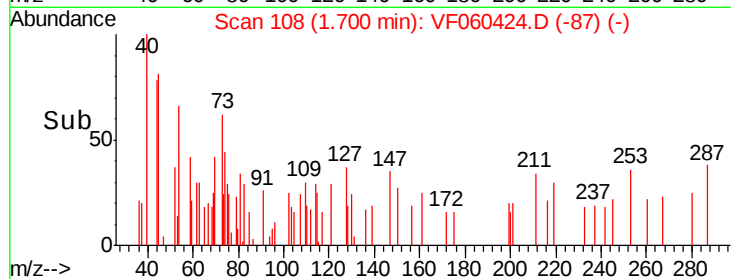
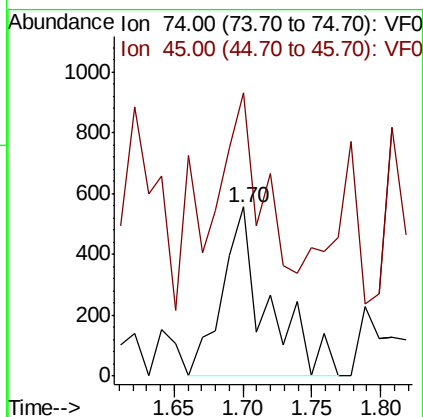
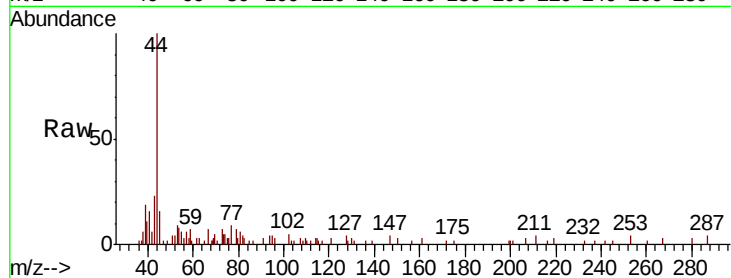




#8
Diethyl Ether
Concen: 1.263 ug/l
RT: 1.70 min Scan# 108
Delta R.T. 0.01 min
Lab File: VF060424.D
Acq: 3 Oct 2018 19:40

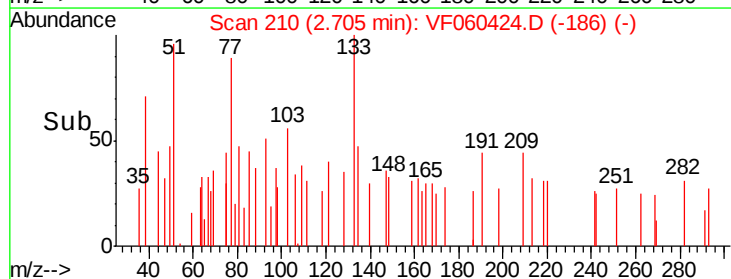
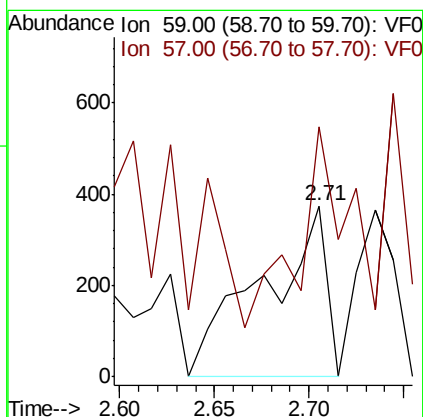
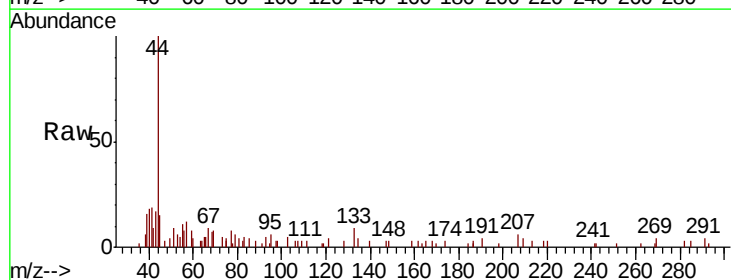
Instrument :
MSVOA_F
ClientSampleId :
SSSI-1001-S-DH-01

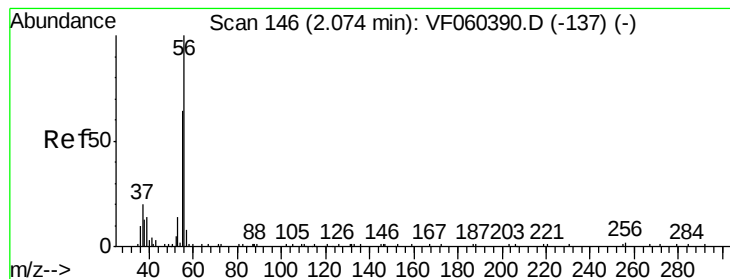
Tot Ion: 74 Resp: 1261
Ion Ratio Lower Upper
74 100
45 167.6 71.3 213.8



#11
Tert butyl alcohol
Concen: 4.150 ug/l
RT: 2.71 min Scan# 210
Delta R.T. 0.04 min
Lab File: VF060424.D
Acq: 3 Oct 2018 19:40

Tgt Ion: 59 Resp: 873
Ion Ratio Lower Upper
59 100
57 146.4 6.5 9.7#





#13

Acrolein

Concen: 2.831 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.02 min

Lab File: VF060424.D

Acq: 3 Oct 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

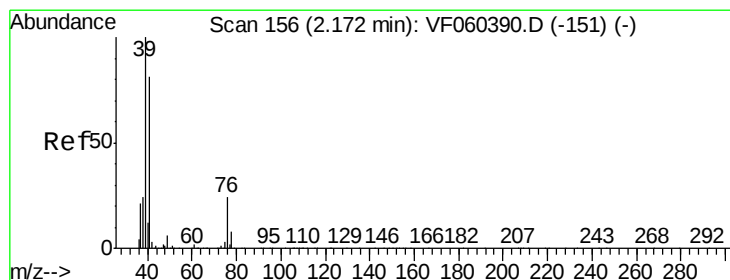
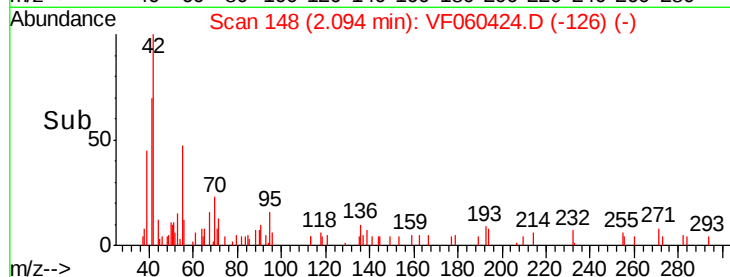
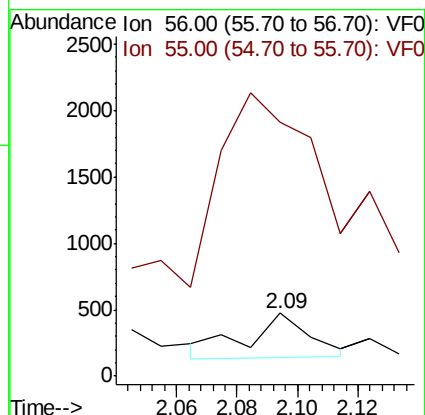
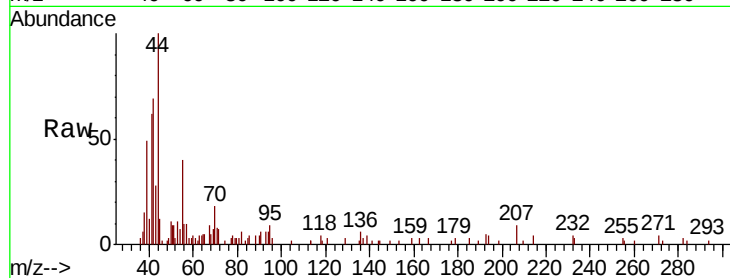
SSSI-1001-S-DH-01

Tot Ion: 56 Resp: 479

Ion Ratio Lower Upper

56 100

55 405.5 53.9 80.9#



#14

Allyl chloride

Concen: 12.628 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.09 min

Lab File: VF060424.D

Acq: 3 Oct 2018 19:40

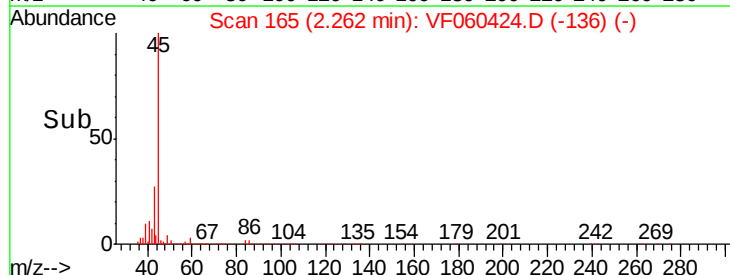
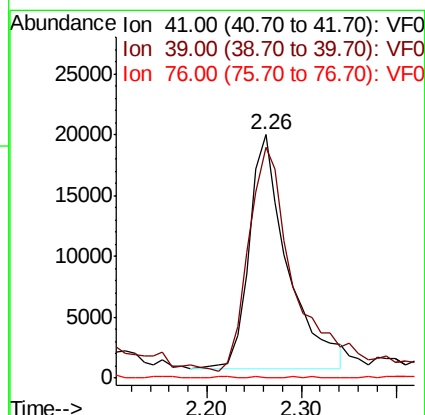
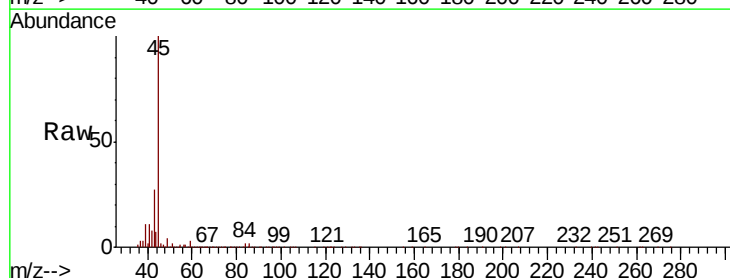
Tgt Ion: 41 Resp: 54554

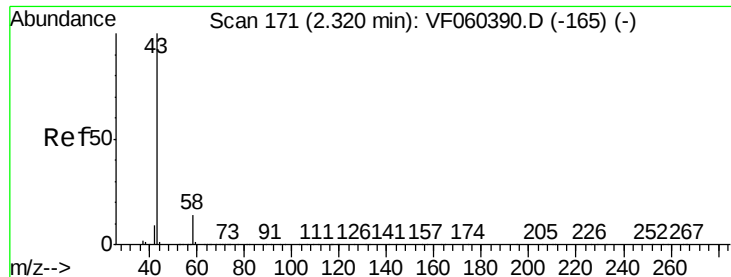
Ion Ratio Lower Upper

41 100

39 94.8 98.3 147.5#

76 0.0 23.9 35.9#

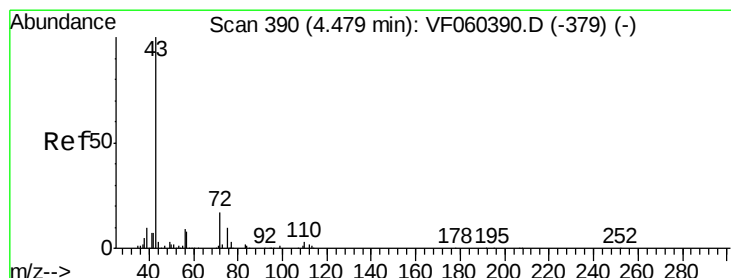
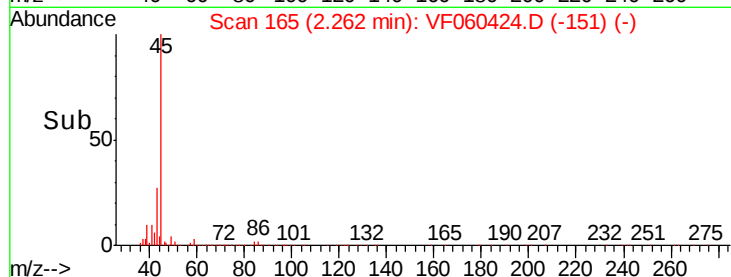
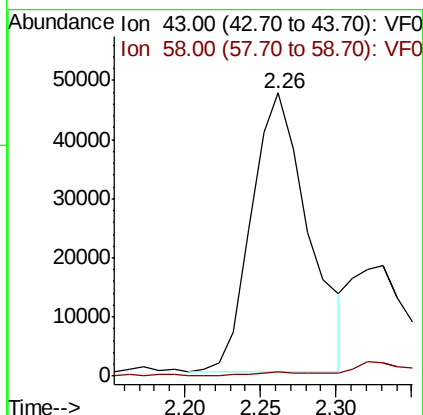
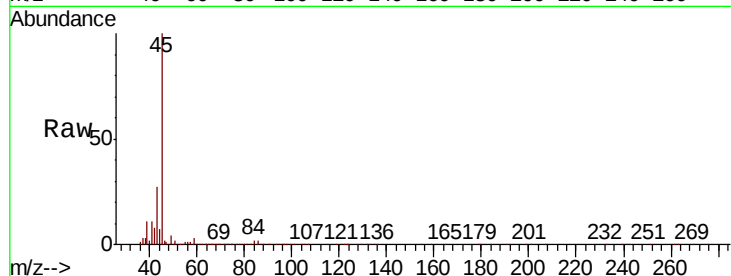




#16
Acetone
Concen: 166.950 ug/l
RT: 2.26 min Scan# 165
Delta R.T. -0.06 min
Lab File: VF060424.D
Acq: 3 Oct 2018 19:40

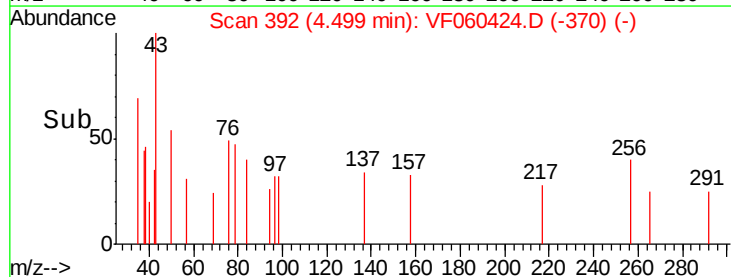
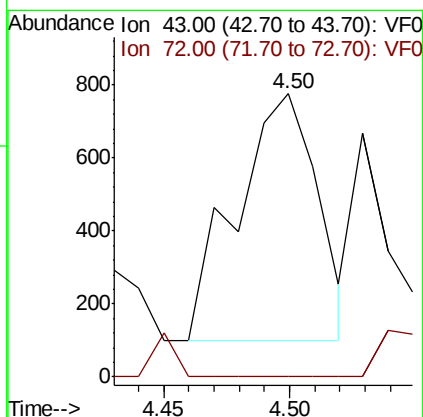
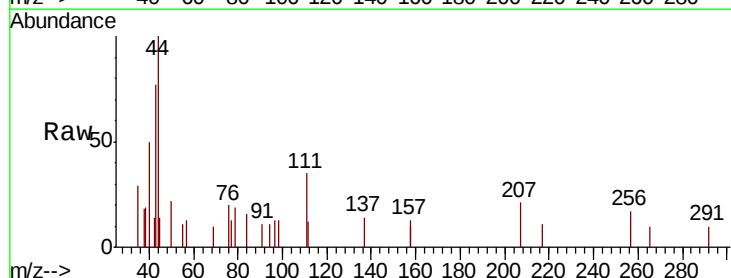
Instrument :
MSVOA_F
ClientSampleId :
SSSI-1001-S-DH-01

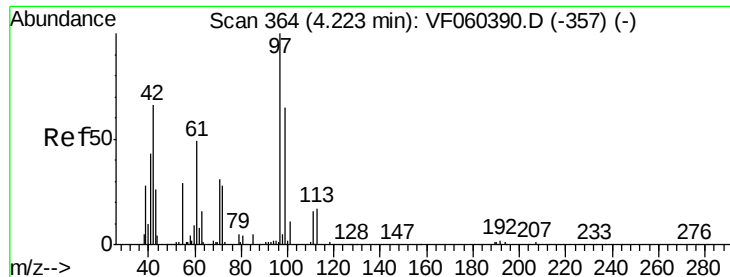
Tot Ion: 43 Resp: 125247
Ion Ratio Lower Upper
43 100
58 1.7 11.2 16.8#



#25
2-Butanone
Concen: 1.688 ug/l
RT: 4.50 min Scan# 392
Delta R.T. 0.02 min
Lab File: VF060424.D
Acq: 3 Oct 2018 19:40

Tgt Ion: 43 Resp: 1520
Ion Ratio Lower Upper
43 100
72 0.0 14.1 21.1#





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.24 min Scan# 366

Delta R.T. 0.02 min

Lab File: VF060424.D

Acq: 3 Oct 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

SSSI-1001-S-DH-01

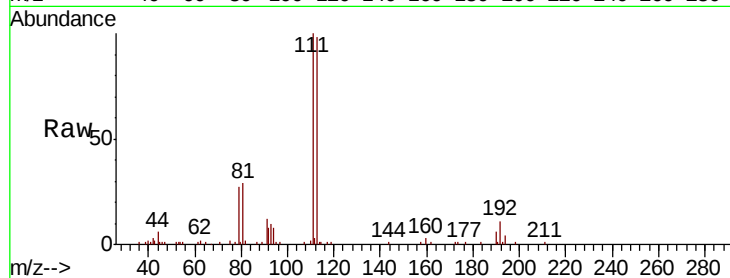
Tot Ion: 42 Resp: 965

Ion Ratio Lower Upper

42 100

72 18.3 33.6 50.4#

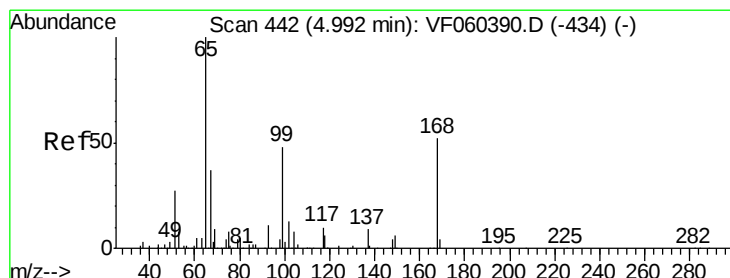
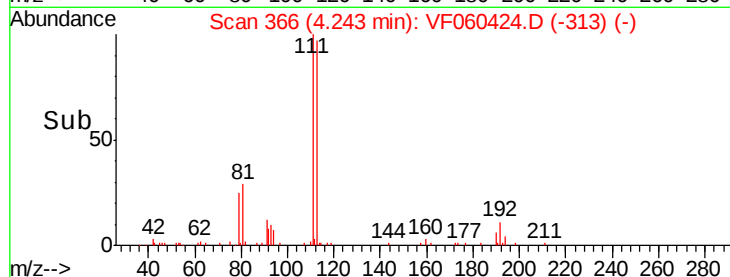
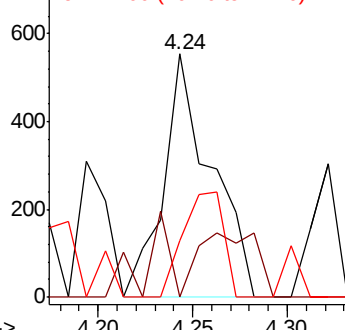
71 0.0 32.7 49.1#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 52.063 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.01 min

Lab File: VF060424.D

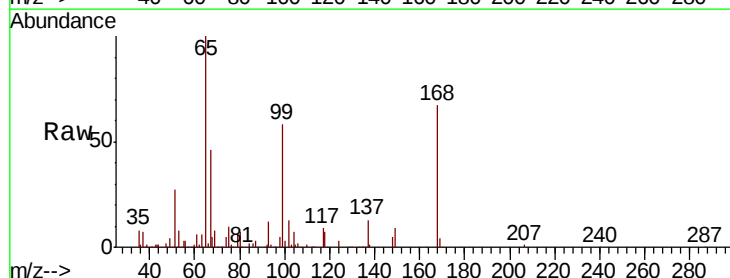
Acq: 3 Oct 2018 19:40

Tgt Ion: 65 Resp: 181081

Ion Ratio Lower Upper

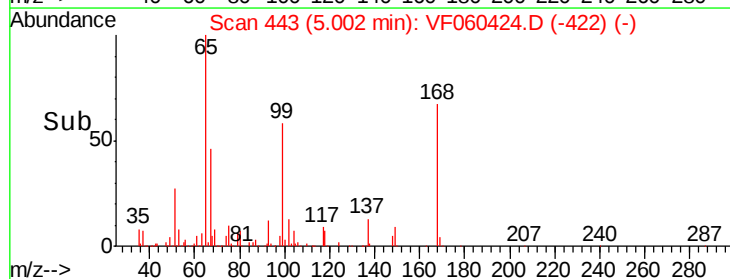
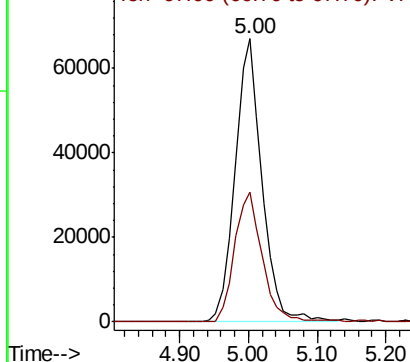
65 100

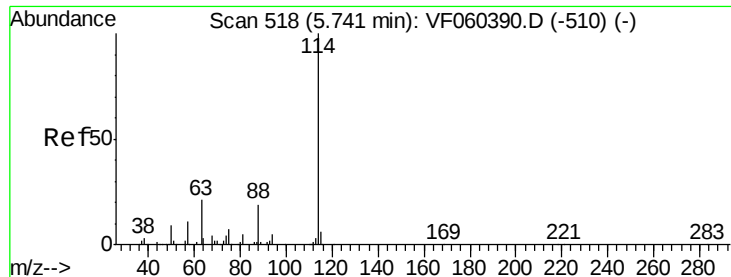
67 45.9 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. 0.01 min

Lab File: VF060424.D

Acq: 3 Oct 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

SSSI-1001-S-DH-01

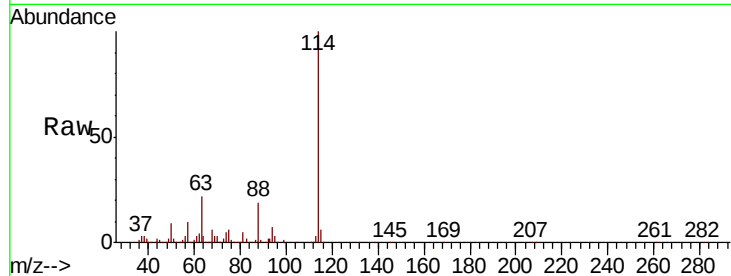
Tot Ion:114 Resp: 372077

Ion Ratio Lower Upper

114 100

63 22.5 0.0 42.2

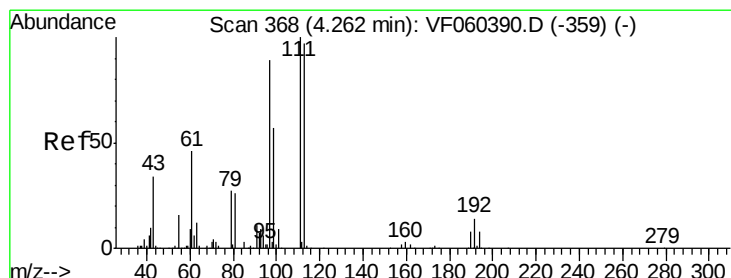
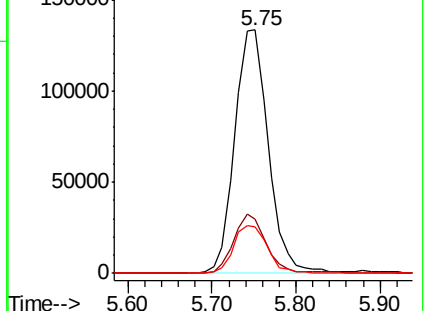
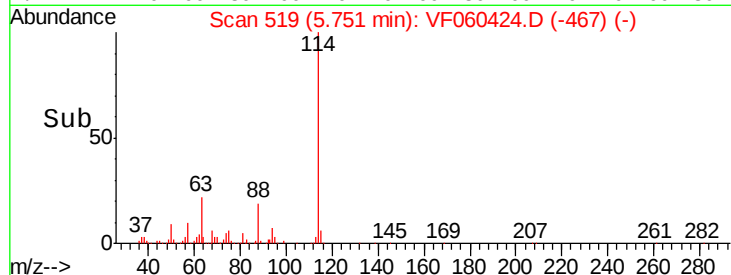
88 19.0 0.0 38.8



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: 51.219 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060424.D

Acq: 3 Oct 2018 19:40

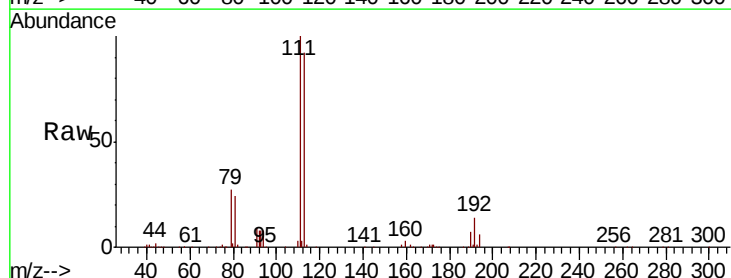
Tgt Ion:113 Resp: 179031

Ion Ratio Lower Upper

113 100

111 108.4 82.3 123.5

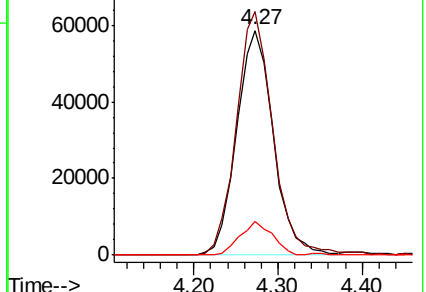
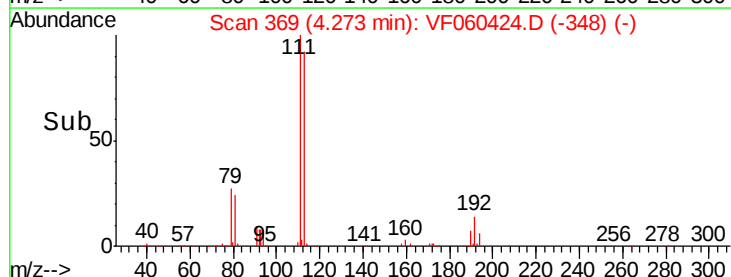
192 15.1 11.8 17.6

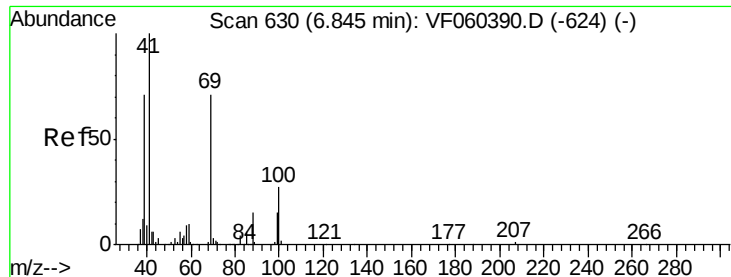


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

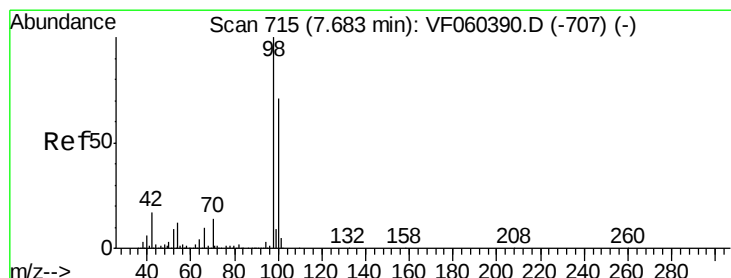
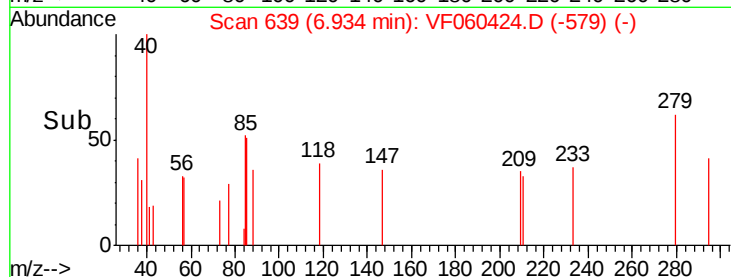
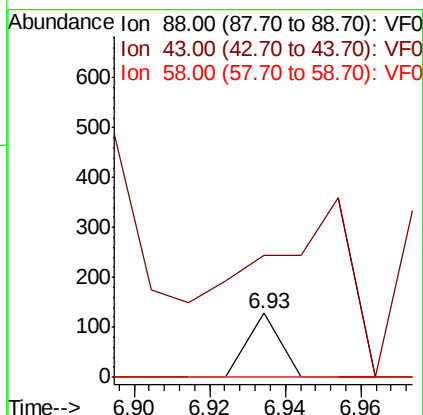
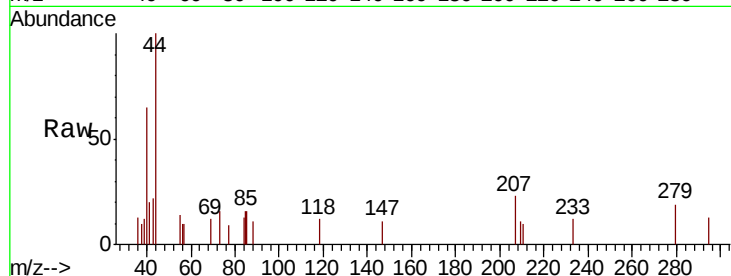




#49
1,4-Dioxane
Concen: 5.784 ug/l
RT: 6.93 min Scan# 639
Delta R.T. 0.09 min
Lab File: VF060424.D
Acq: 3 Oct 2018 19:40

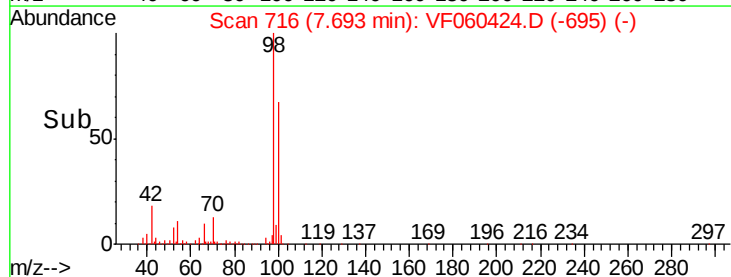
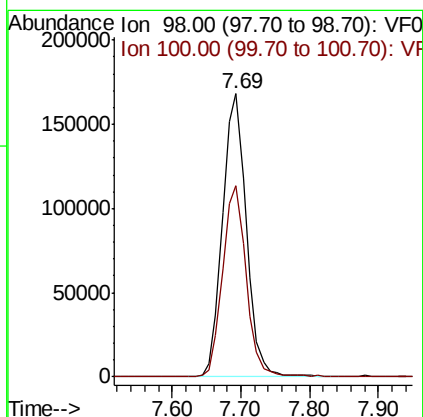
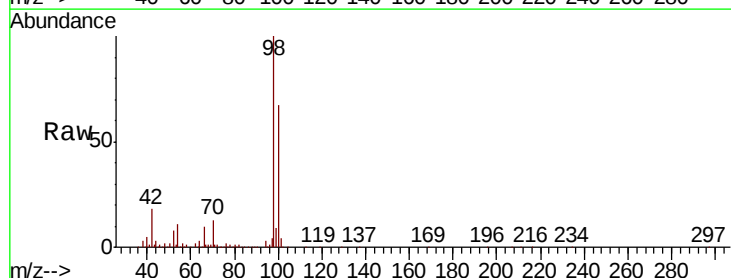
Instrument :
MSVOA_F
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SSSI-1001-S-DH-01

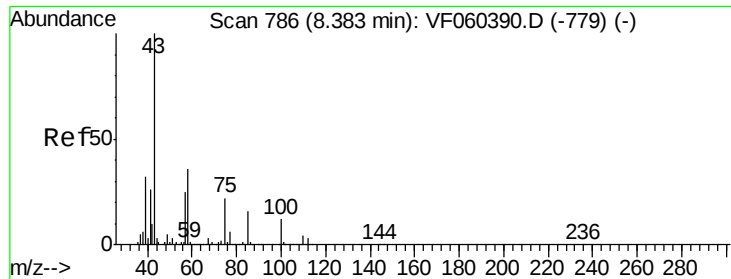
Tot Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 190.6 38.3 57.5#
58 0.0 47.4 71.2#



#50
Toluene-d8
Concen: 46.940 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060424.D
Acq: 3 Oct 2018 19:40

Tgt Ion: 98 Resp: 404083
Ion Ratio Lower Upper
98 100
100 67.4 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 2.250 ug/l

RT: 8.38 min Scan# 786

Delta R.T. 0.00 min

Lab File: VF060424.D

Acq: 3 Oct 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

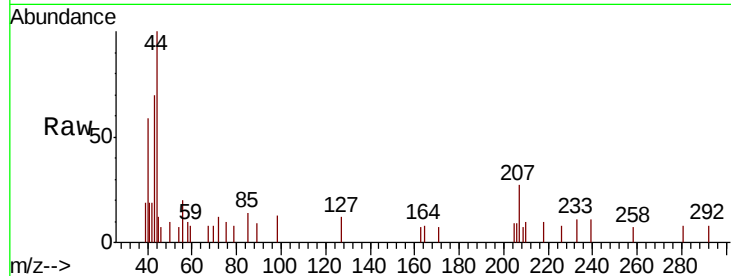
SSSI-1001-S-DH-01

Tot Ion: 43 Resp: 3400

Ion Ratio Lower Upper

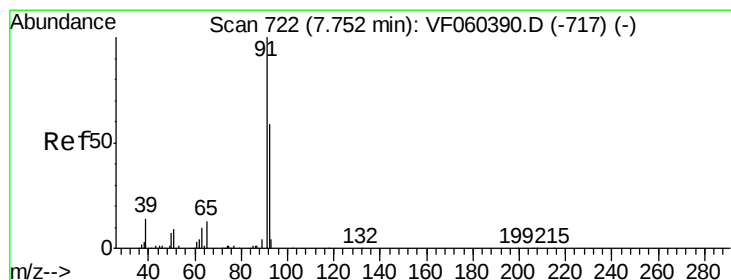
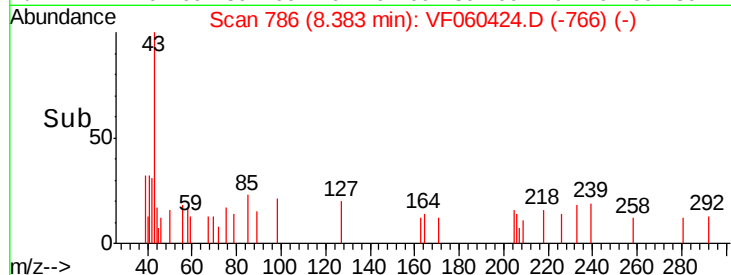
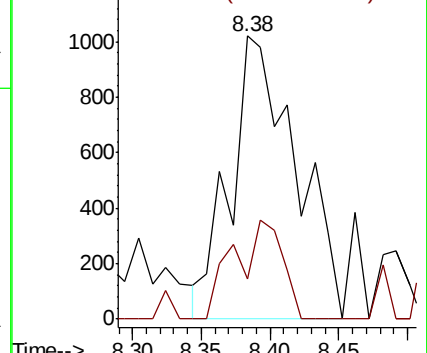
43 100

58 14.3 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 4.157 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.02 min

Lab File: VF060424.D

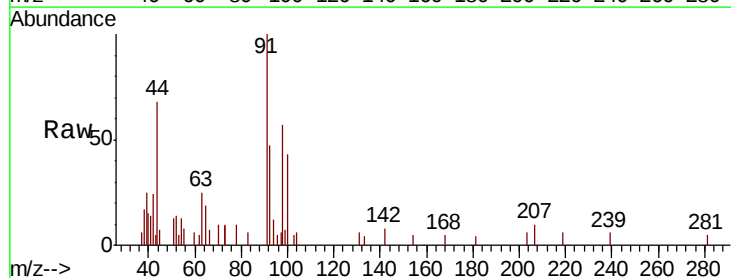
Acq: 3 Oct 2018 19:40

Tgt Ion: 63 Resp: 946

Ion Ratio Lower Upper

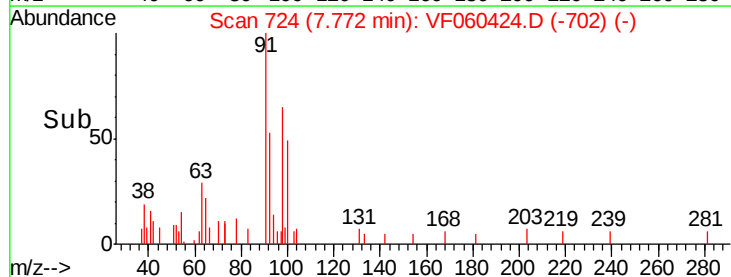
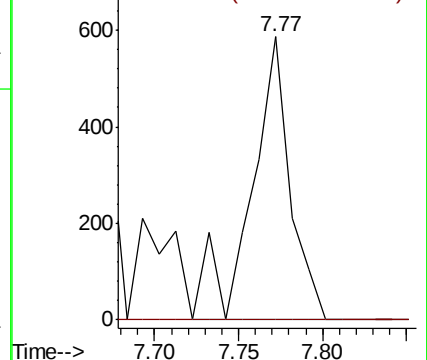
63 100

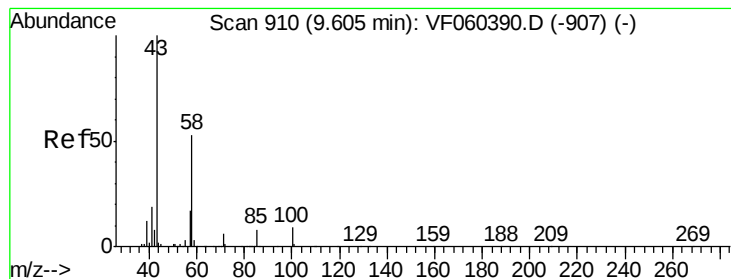
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 2.577 ug/l

RT: 9.61 min Scan# 910

Delta R.T. 0.00 min

Lab File: VF060424.D

Acq: 3 Oct 2018 19:40

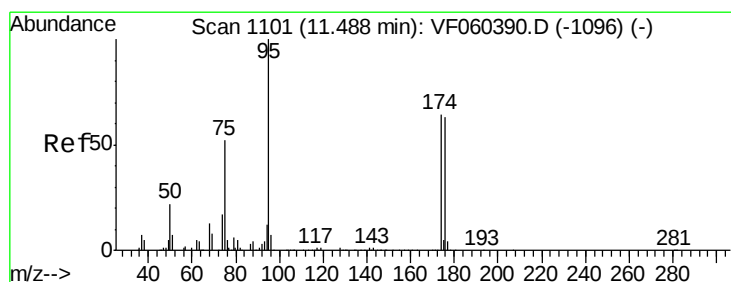
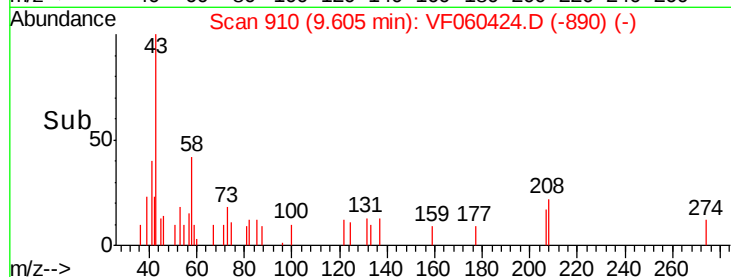
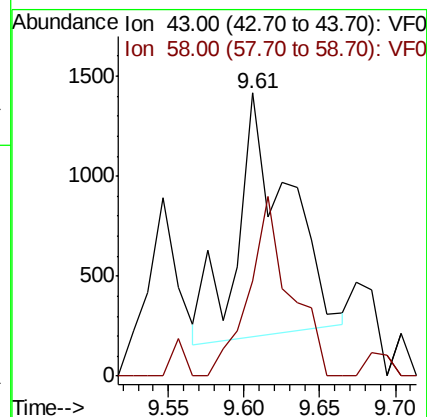
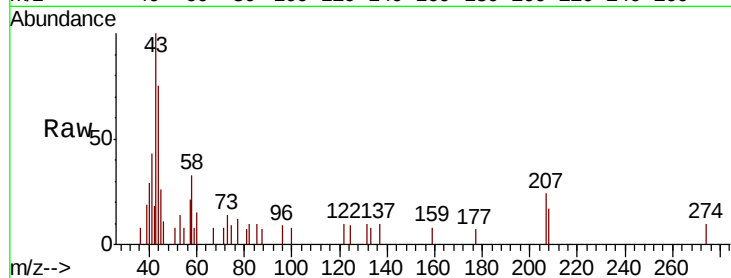
Instrument :
MSVOA_F
ClientSampleId :
SSSI-1001-S-DH-01

Tot Ion: 43 Resp: 2856

Ion Ratio Lower Upper

43 100

58 33.5 25.6 76.6



#62

4-Bromofluorobenzene

Concen: 50.948 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060424.D

Acq: 3 Oct 2018 19:40

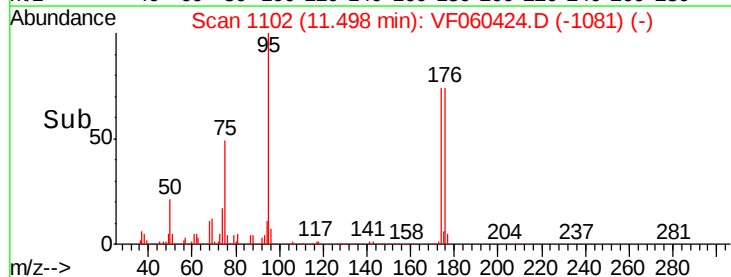
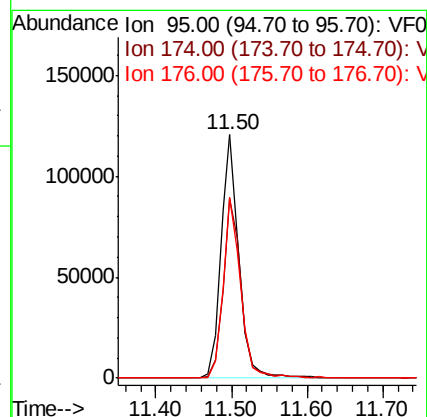
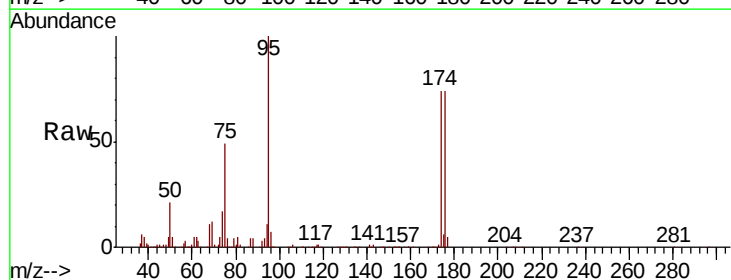
Tgt Ion: 95 Resp: 200256

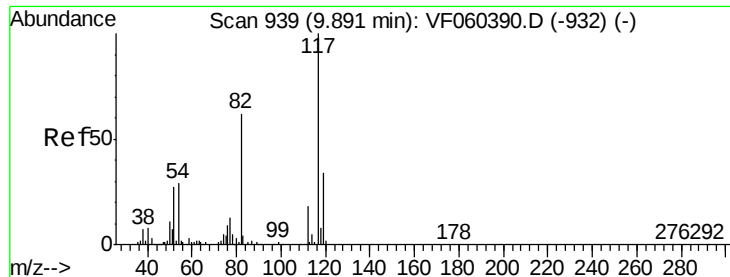
Ion Ratio Lower Upper

95 100

174 73.9 0.0 129.0

176 74.5 0.0 125.6

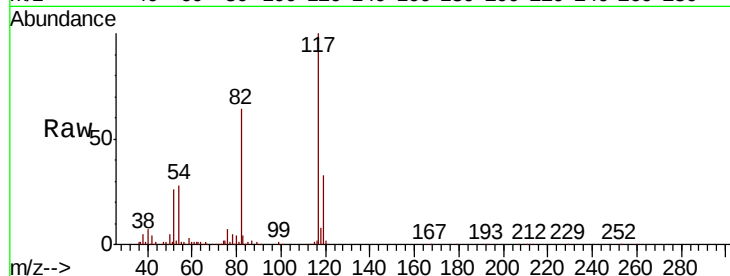




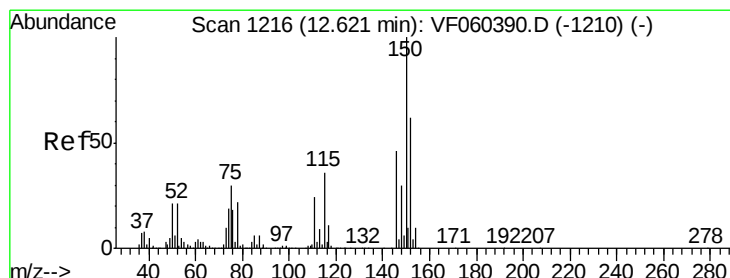
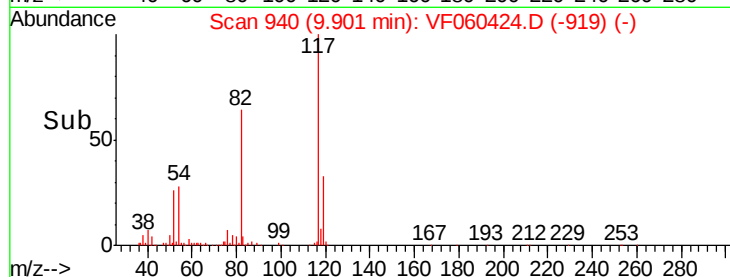
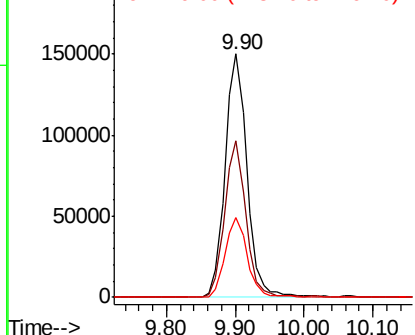
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060424.D
Acq: 3 Oct 2018 19:40

Instrument :
MSVOA_F
ClientSampleId :
SSSI-1001-S-DH-01

Tot Ion:117 Resp: 332164
Ion Ratio Lower Upper
117 100
82 64.4 49.5 74.3
119 32.8 27.0 40.6

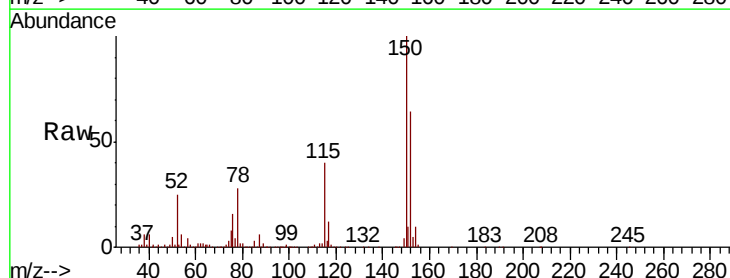


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VF060424.D
Acq: 3 Oct 2018 19:40

Tgt Ion:152 Resp: 198263
Ion Ratio Lower Upper
152 100
115 62.5 28.6 85.8
150 155.2 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

