

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080818\
 Data File : VF059926.D
 Acq On : 8 Aug 2018 12:40
 Operator : VA/AP
 Sample : VF0808SBL01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBL01

Quant Time: Aug 09 05:20:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	110980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	152728	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	153354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	102832	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	100827	50.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.78%	
35) Dibromofluoromethane	4.31	113	82633	54.38	ug/l	0.01
Spiked Amount 50.000			Recovery	=	108.76%	
50) Toluene-d8	7.72	98	173055	53.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.04%	
62) 4-Bromofluorobenzene	11.52	95	98629	54.29	ug/l	0.01
Spiked Amount 50.000			Recovery	=	108.58%	

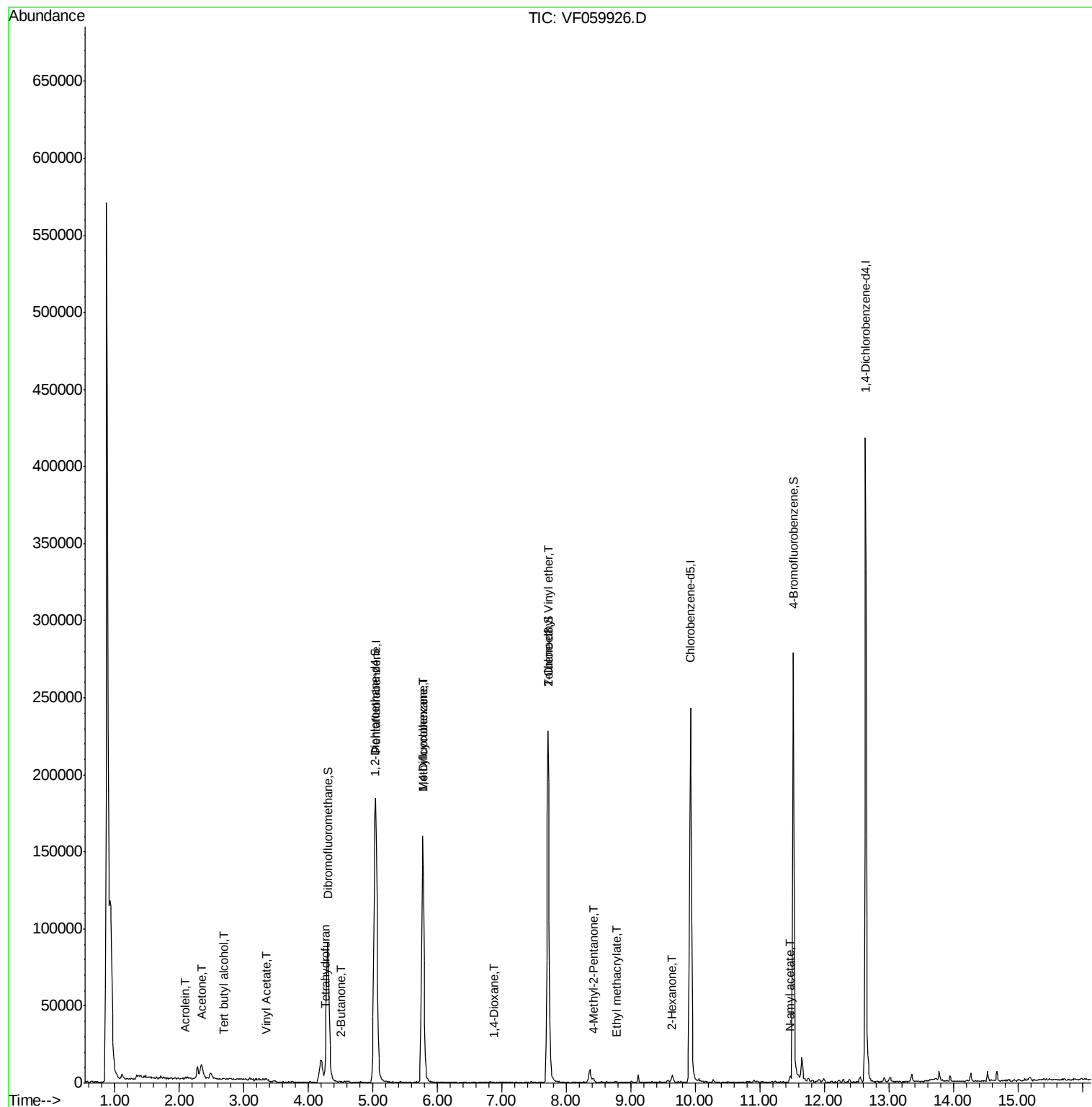
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	276	3.42	ug/l #	74
13) Acrolein	2.10	56	82	1.70	ug/l #	9
16) Acetone	2.33	43	2227	6.03	ug/l #	85
20) Methylene Chloride	2.28	84	2902	Below Cal	#	81
23) Vinyl Acetate	3.34	43	1576	1.02	ug/l #	80
25) 2-Butanone	4.51	43	697	1.74	ug/l #	60
29) Tetrahydrofuran	4.26	42	170	1.15	ug/l #	67
39) Methylcyclohexane	5.78	83	2899	2.19	ug/l #	29
40) Benzene	4.82	78	247	Below Cal	#	49
49) 1,4-Dioxane	6.88	88	86	98.55	ug/l #	16
51) 4-Methyl-2-Pentanone	8.42	43	2125	2.66	ug/l	95
56) Ethyl methacrylate	8.77	69	321	3.70	ug/l #	7
58) 2-Chloroethyl Vinyl ether	7.73	63	127	1.20	ug/l	100
59) 2-Hexanone	9.65	43	4020	7.13	ug/l	96
74) N-amyl acetate	11.47	43	2431	4.40	ug/l #	91

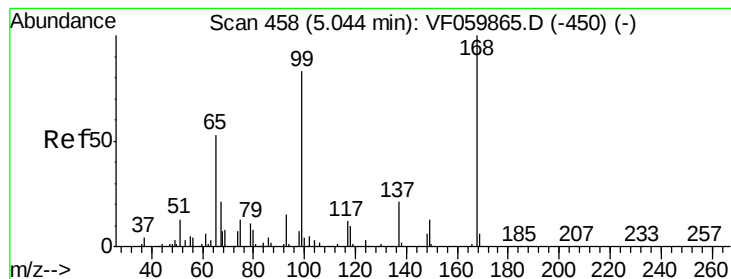
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059926.D

Acq: 8 Aug 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

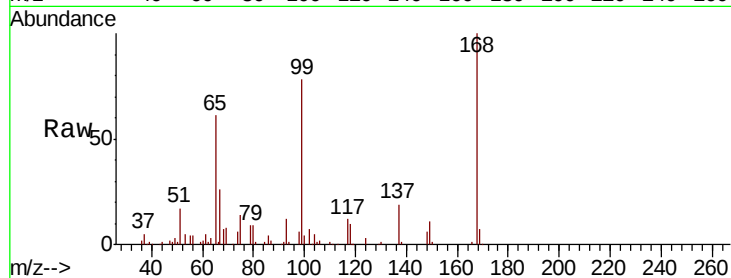
VF0808SBL01

Tot Ion:168 Resp: 110980

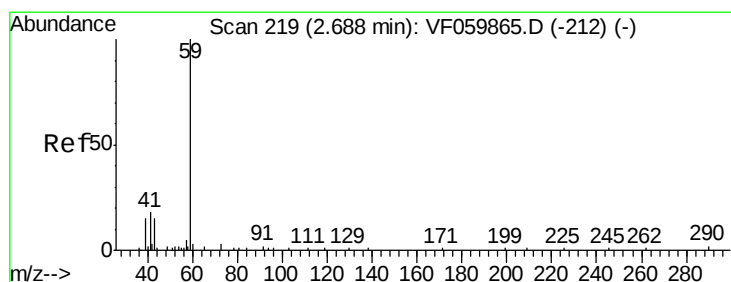
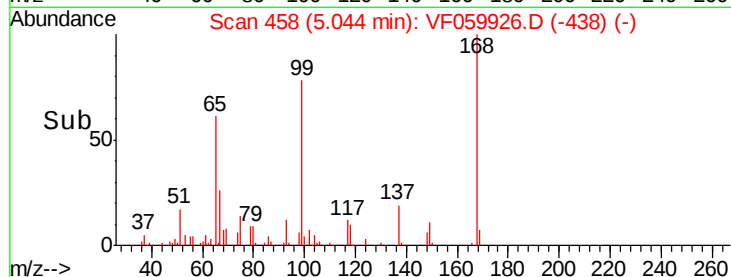
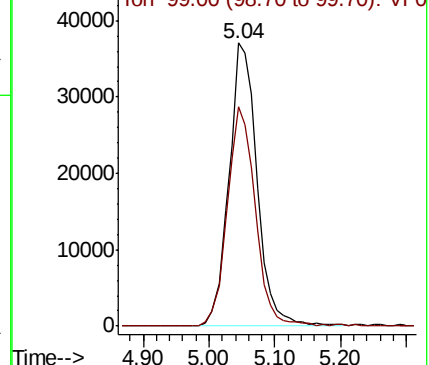
Ion Ratio Lower Upper

168 100

99 77.6 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 3.42 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.01 min

Lab File: VF059926.D

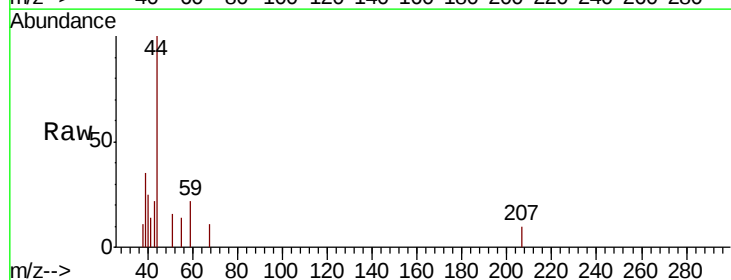
Acq: 8 Aug 2018 12:40

Tgt Ion: 59 Resp: 276

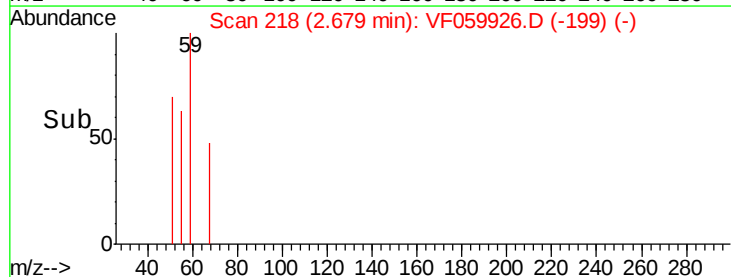
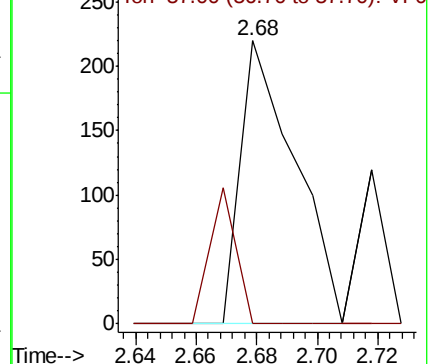
Ion Ratio Lower Upper

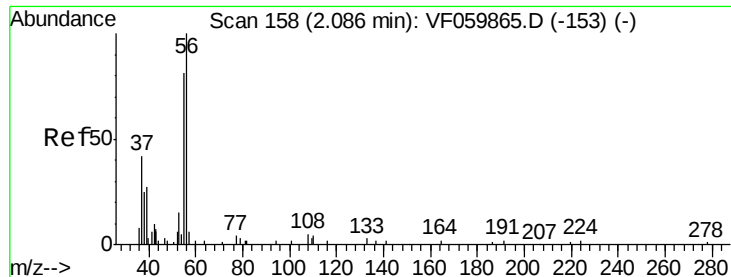
59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: 1.70 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF059926.D

Acq: 8 Aug 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

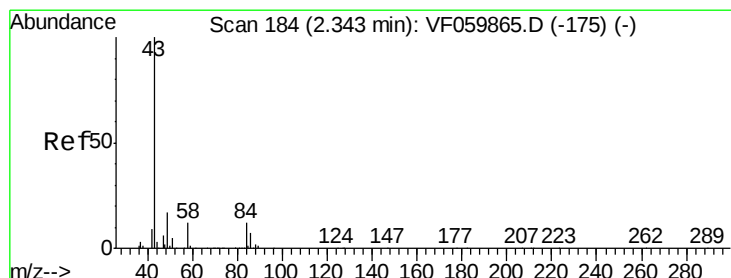
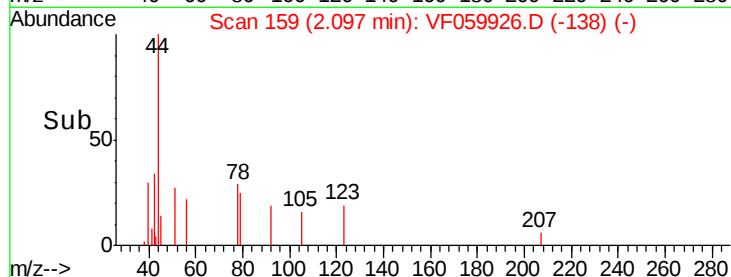
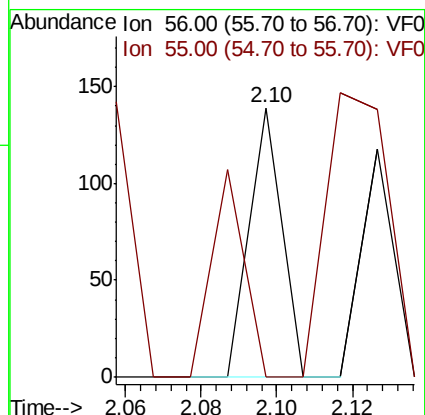
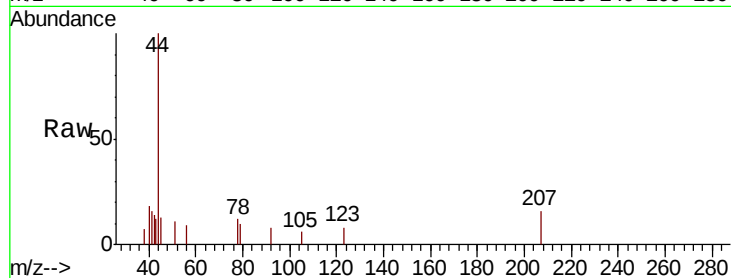
VF0808SBL01

Tot Ion: 56 Resp: 82

Ion Ratio Lower Upper

56 100

55 0.0 64.6 96.8#



#16

Acetone

Concen: 6.03 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF059926.D

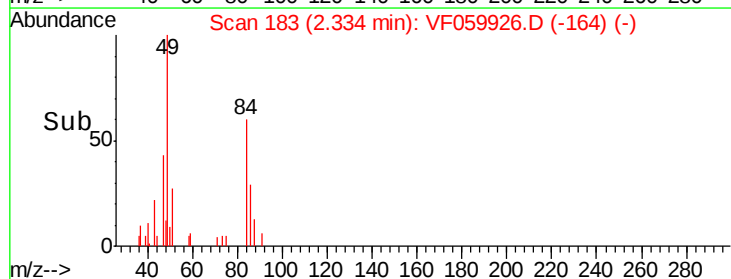
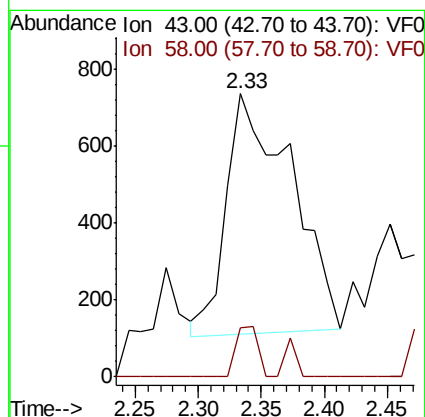
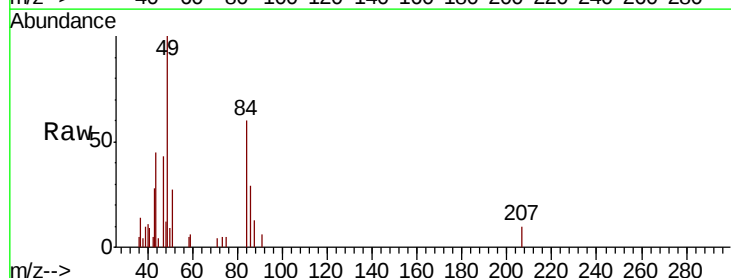
Acq: 8 Aug 2018 12:40

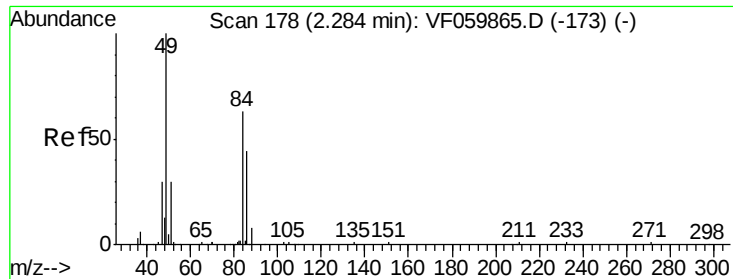
Tgt Ion: 43 Resp: 2227

Ion Ratio Lower Upper

43 100

58 17.5 9.4 14.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.28 min Scan# 178

Delta R.T. 0.00 min

Lab File: VF059926.D

Acq: 8 Aug 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBL01

Tot Ion: 84 Resp: 2902

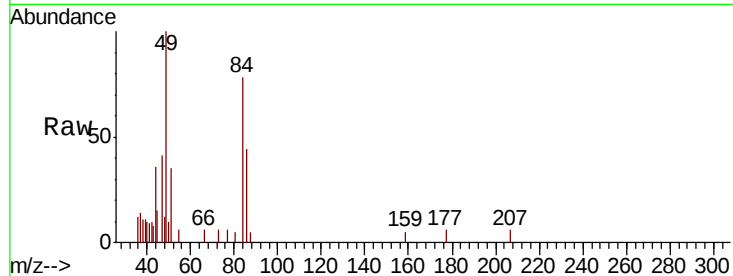
Ion Ratio Lower Upper

84 100

49 128.6 128.7 193.1#

51 44.8 39.3 58.9

86 56.4 55.9 83.9

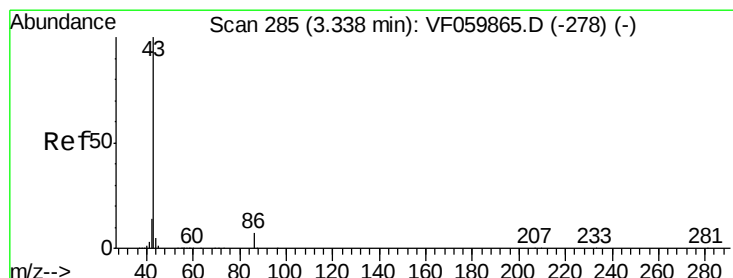
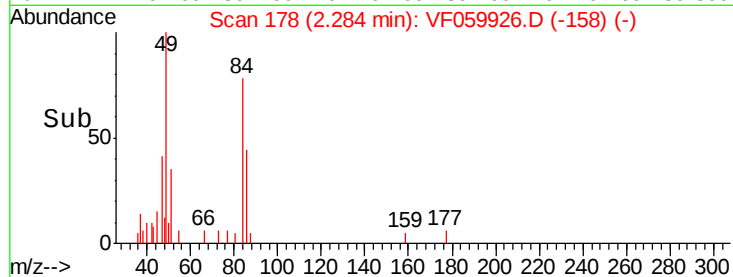
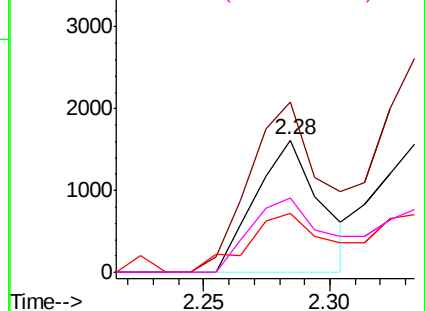


Abundance Ion 84.00 (83.70 to 84.70): VF0

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



#23

Vinyl Acetate

Concen: 1.02 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059926.D

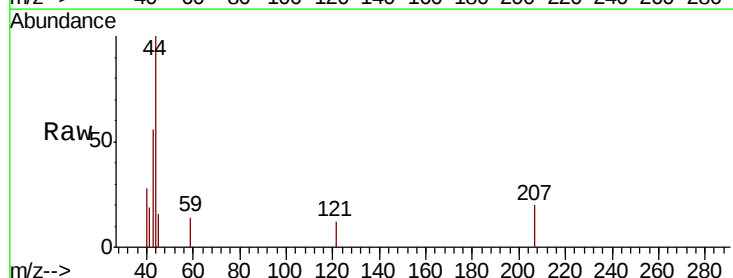
Acq: 8 Aug 2018 12:40

Tgt Ion: 43 Resp: 1576

Ion Ratio Lower Upper

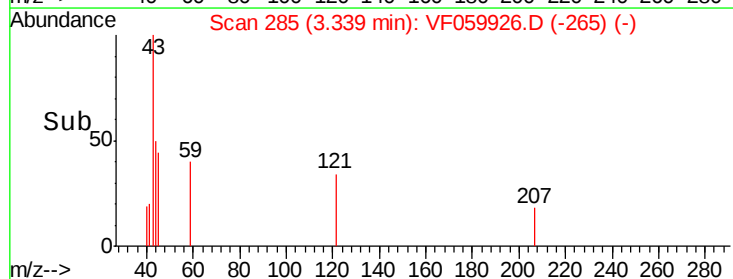
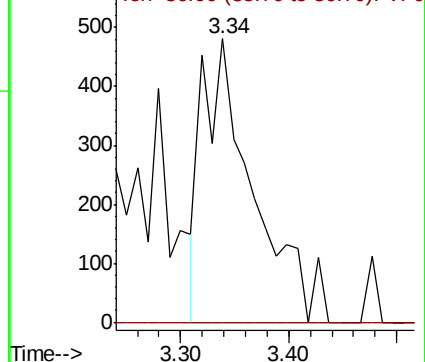
43 100

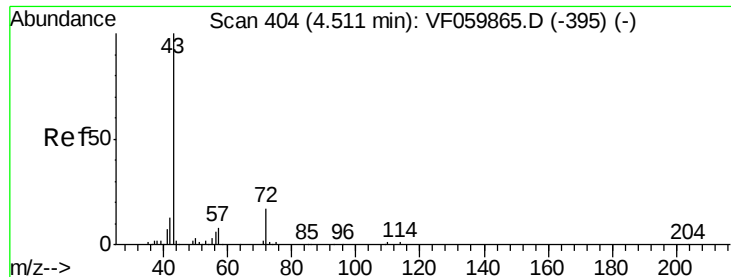
86 0.0 5.6 8.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#25

2-Butanone

Concen: 1.74 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059926.D

Acq: 8 Aug 2018 12:40

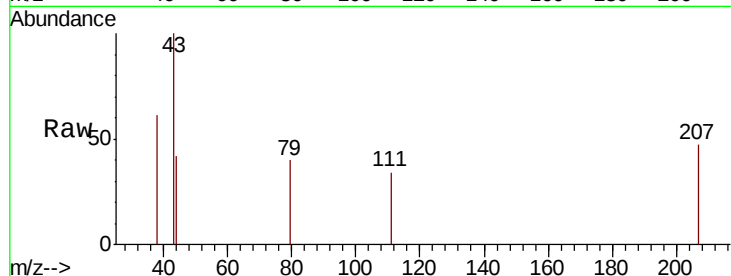
Instrument :
MSVOA_F
ClientSampleId :
VF0808SBL01

Tot Ion: 43 Resp: 697

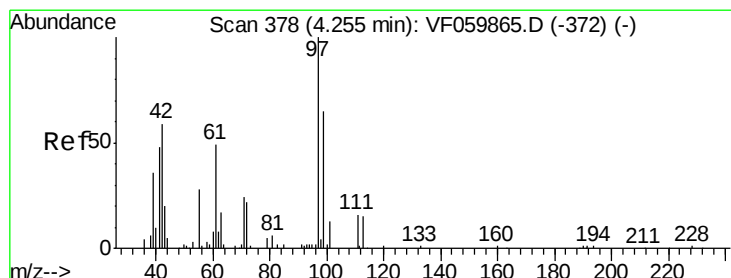
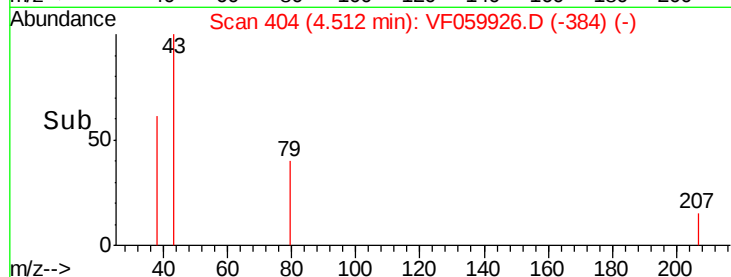
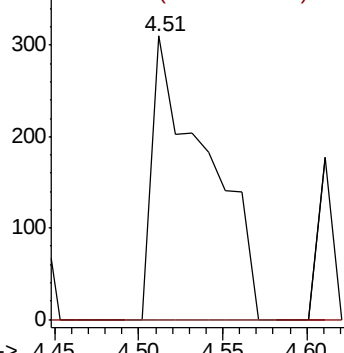
Ion Ratio Lower Upper

43 100

72 0.0 13.9 20.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: 1.15 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059926.D

Acq: 8 Aug 2018 12:40

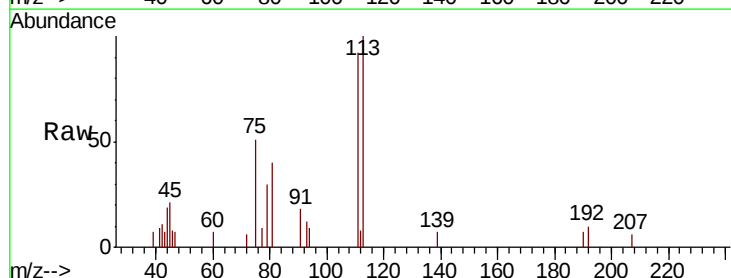
Tgt Ion: 42 Resp: 170

Ion Ratio Lower Upper

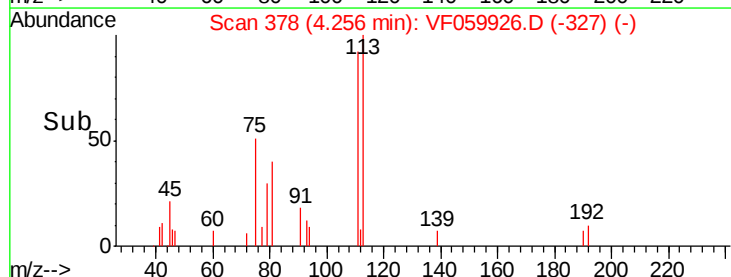
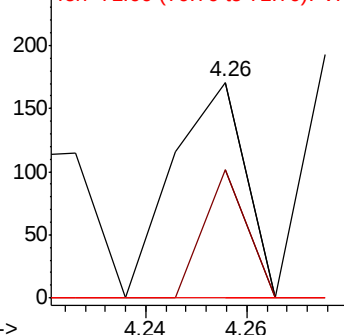
42 100

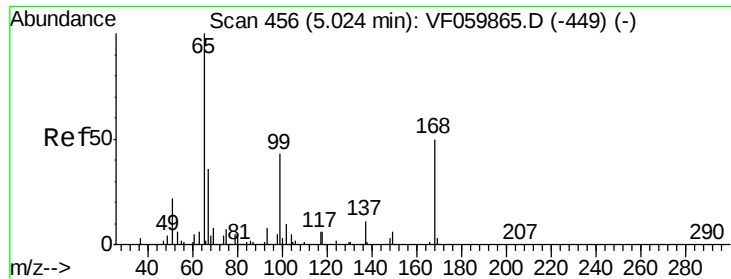
72 35.3 29.3 43.9

71 0.0 30.0 45.0#



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: 50.39 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059926.D

Acq: 8 Aug 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

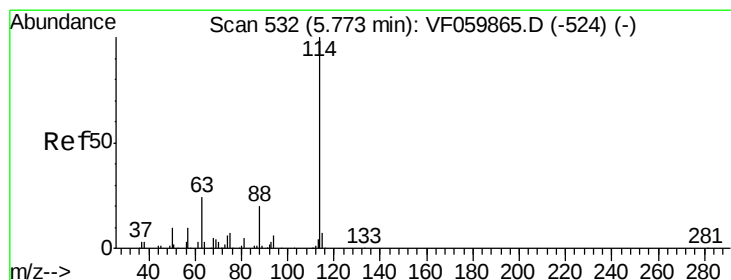
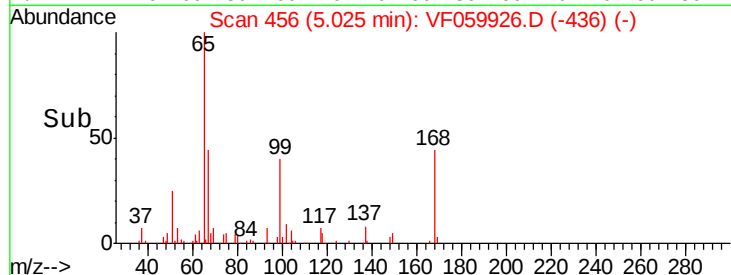
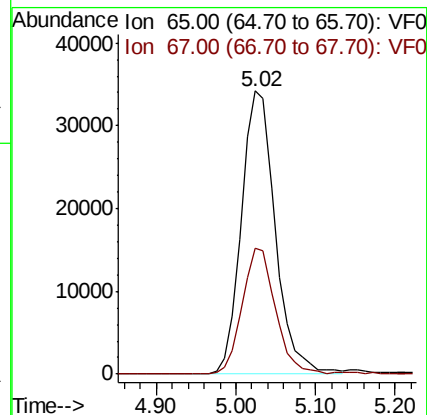
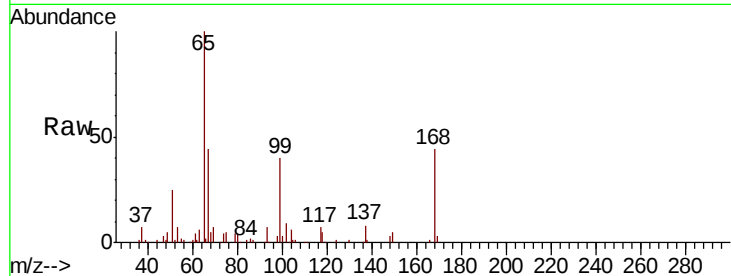
VF0808SBL01

Tot Ion: 65 Resp: 100827

Ion Ratio Lower Upper

65 100

67 44.3 0.0 77.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.00 min

Lab File: VF059926.D

Acq: 8 Aug 2018 12:40

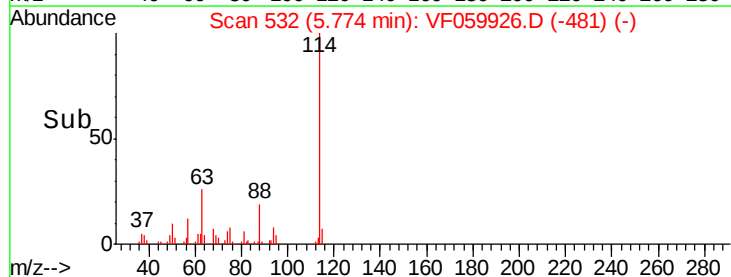
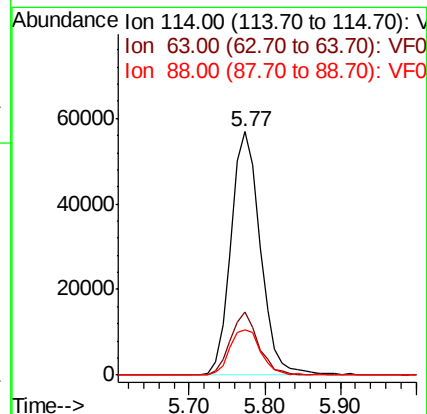
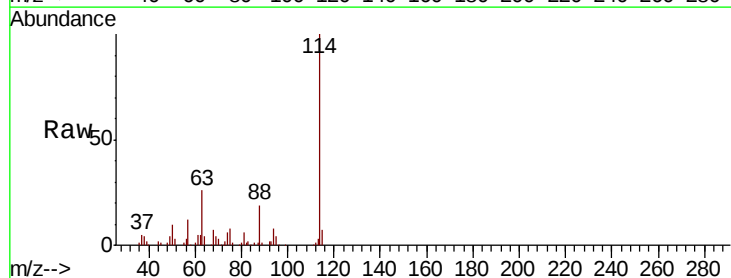
Tgt Ion: 114 Resp: 152728

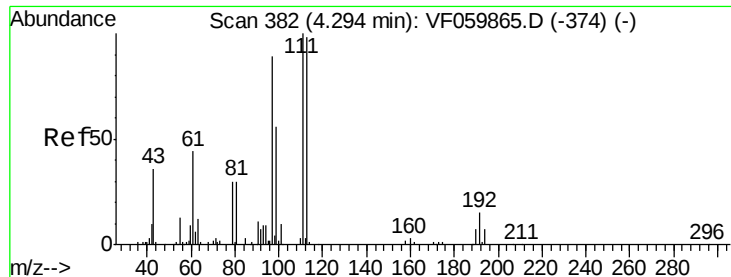
Ion Ratio Lower Upper

114 100

63 26.2 0.0 48.0

88 18.6 0.0 39.4

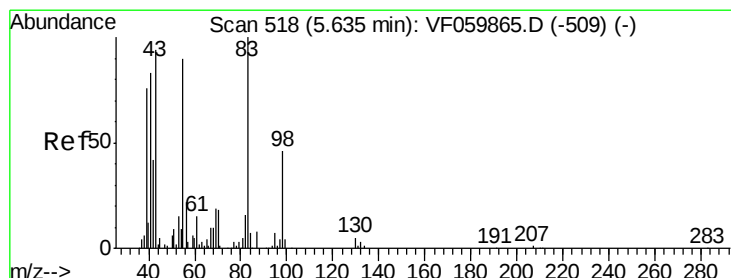
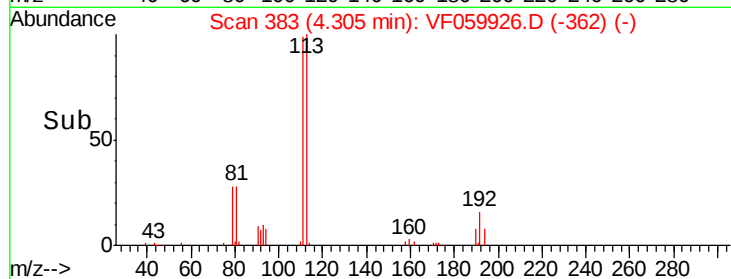
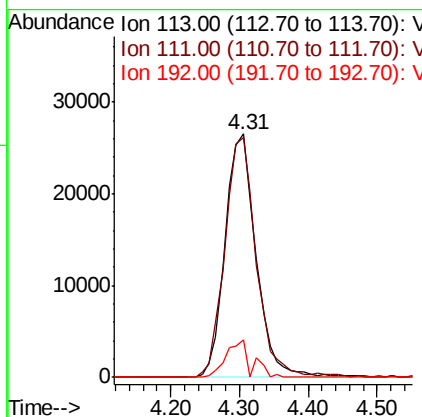
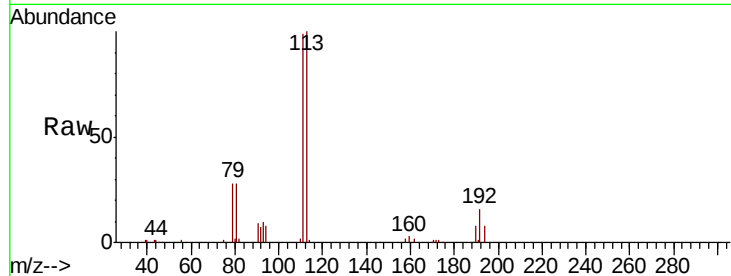




#35
 Dibromofluoromethane
 Concen: 54.38 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF059926.D
 Acq: 8 Aug 2018 12:40

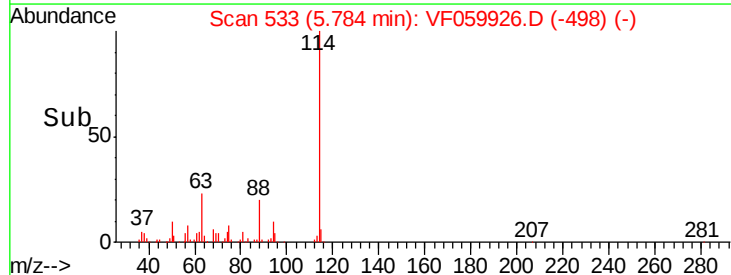
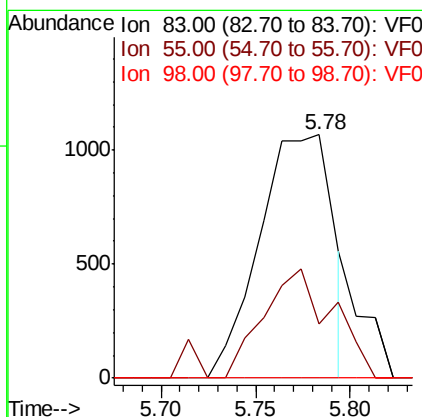
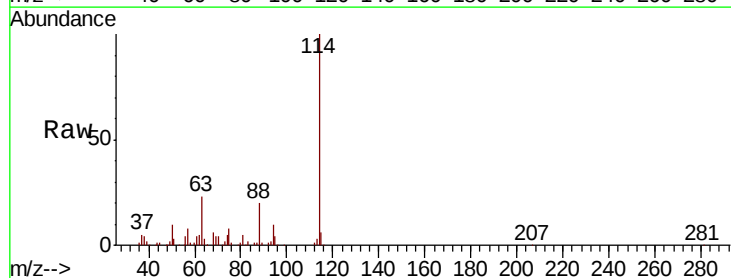
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 VF0808SBL01

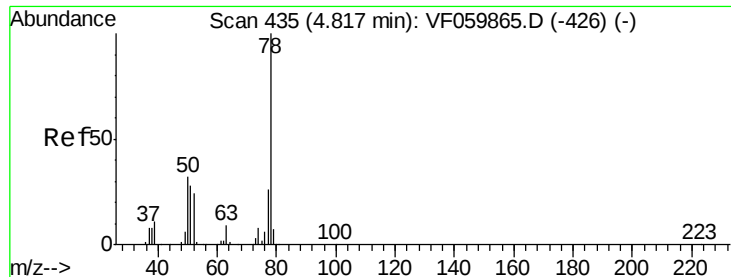
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.6	81.8	122.8
192	15.5	12.4	18.6



#39
 Methylcyclohexane
 Concen: 2.19 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.15 min
 Lab File: VF059926.D
 Acq: 8 Aug 2018 12:40

Tgt Ion	Ratio	Lower	Upper
83	100		
55	22.1	72.0	108.0#
98	0.0	36.6	54.8#

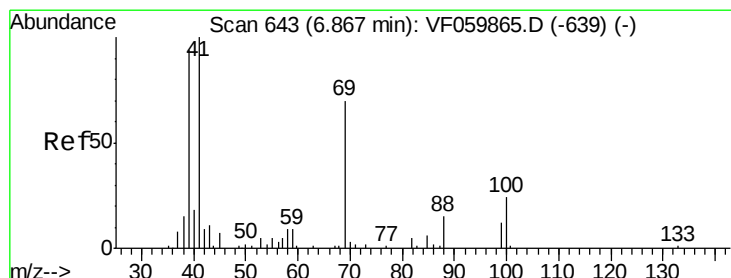
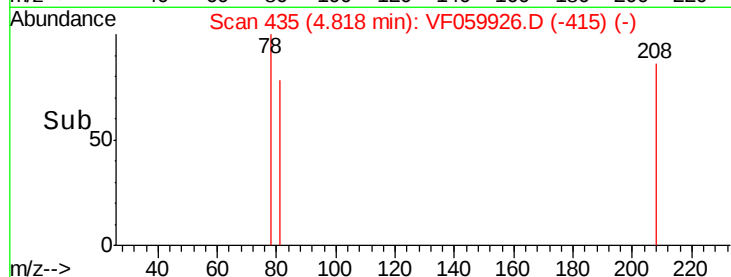
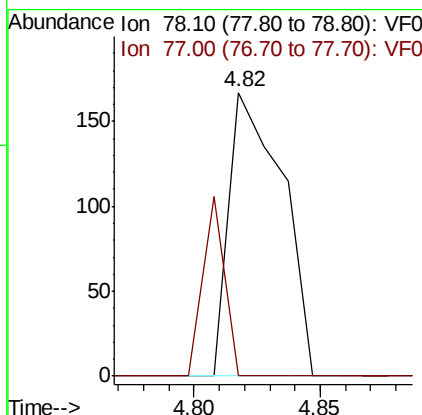
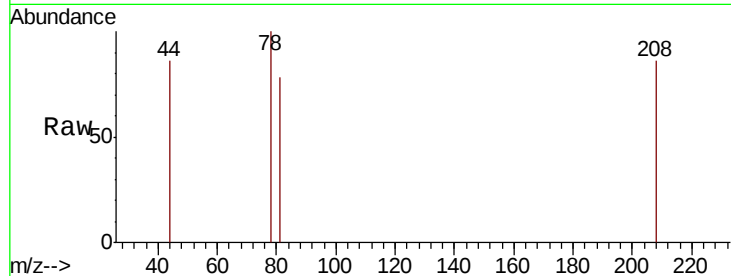




#40
Benzene
Concen: Below Cal
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059926.D
Acq: 8 Aug 2018 12:40

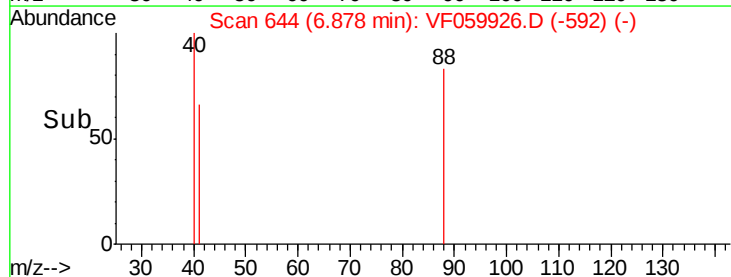
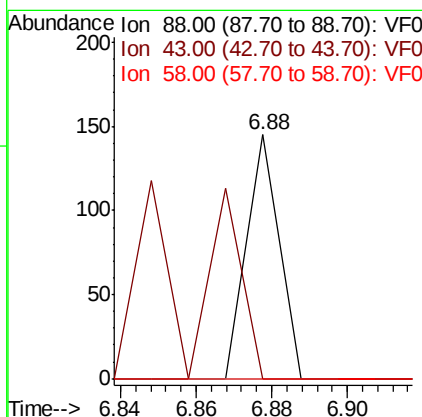
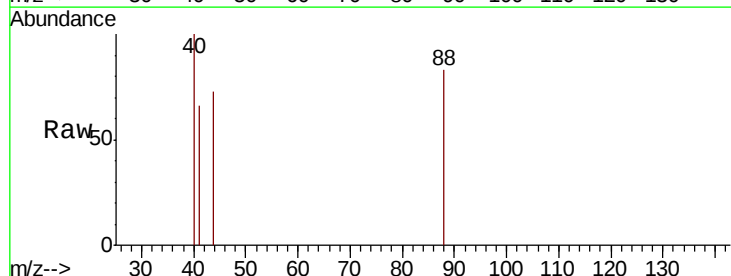
Instrument :
MSVOA_F
ClientSampleId :
VF0808SBL01

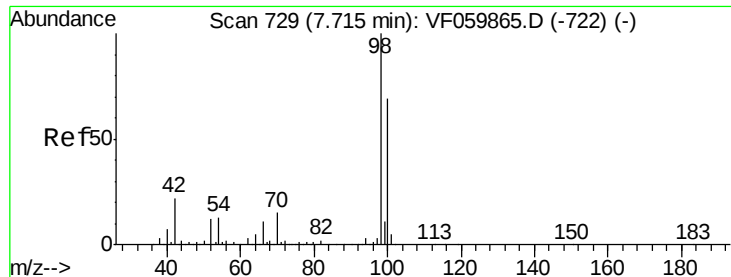
Tot Ion: 78 Resp: 247
Ion Ratio Lower Upper
78 100
77 0.0 20.7 31.1#



#49
1,4-Dioxane
Concen: 98.55 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF059926.D
Acq: 8 Aug 2018 12:40

Tgt Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 0.0 58.3 87.5#
58 0.0 49.4 74.2#

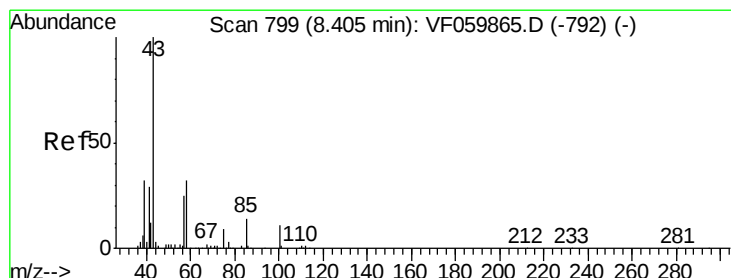
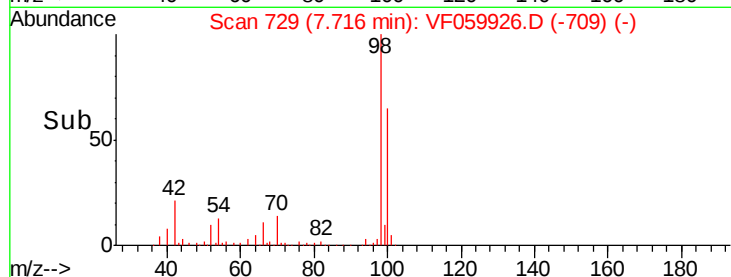
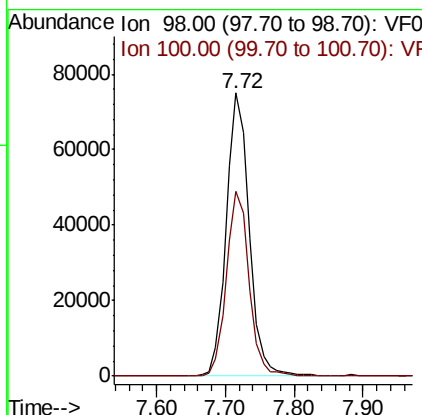
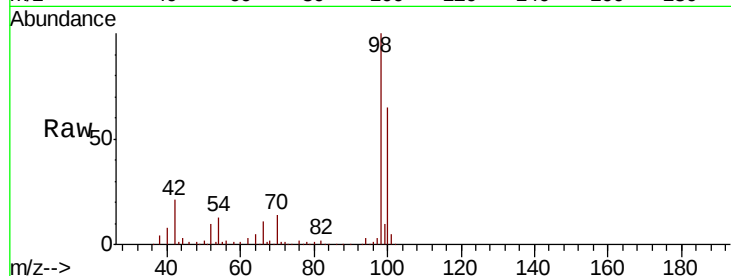




#50
Toluene-d8
Concen: 53.52 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059926.D
Acq: 8 Aug 2018 12:40

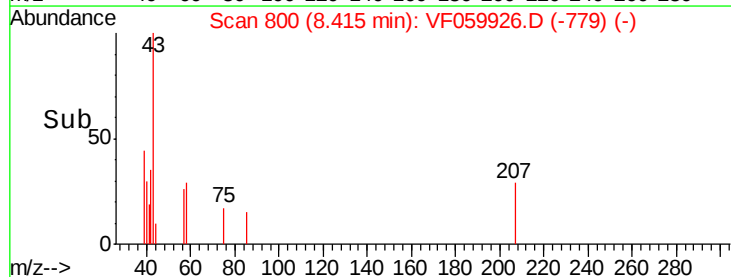
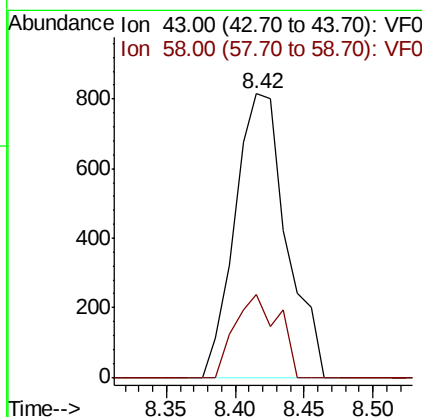
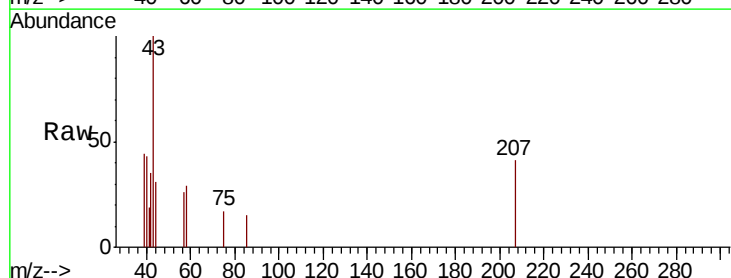
Instrument :
MSVOA_F
ClientSampleId :
VF0808SBL01

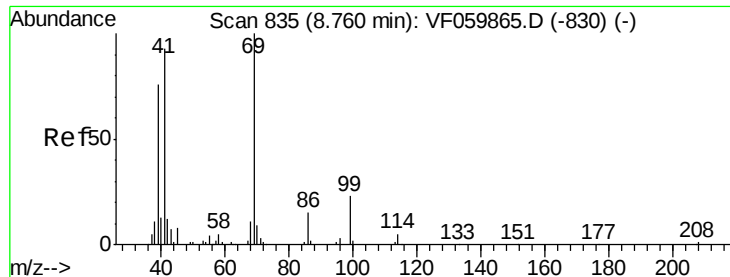
Tot Ion: 98 Resp: 173055
Ion Ratio Lower Upper
98 100
100 65.2 55.0 82.6



#51
4-Methyl-2-Pentanone
Concen: 2.66 ug/l
RT: 8.42 min Scan# 800
Delta R.T. 0.01 min
Lab File: VF059926.D
Acq: 8 Aug 2018 12:40

Tgt Ion: 43 Resp: 2125
Ion Ratio Lower Upper
43 100
58 29.0 25.4 38.0





#56

Ethyl methacrylate

Concen: 3.70 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF059926.D

Acq: 8 Aug 2018 12:40

Instrument :

MSVOA_F

ClientSampleID :

VF0808SBL01

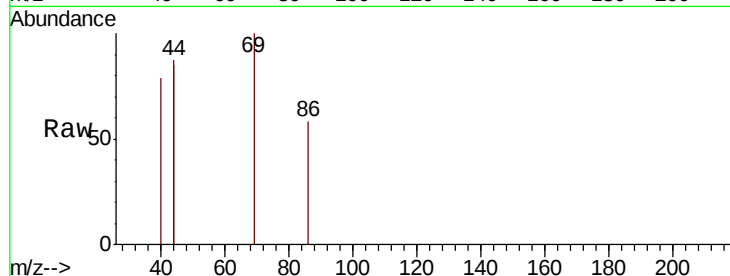
Tot Ion: 69 Resp: 321

Ion Ratio Lower Upper

69 100

41 0.0 74.7 112.1#

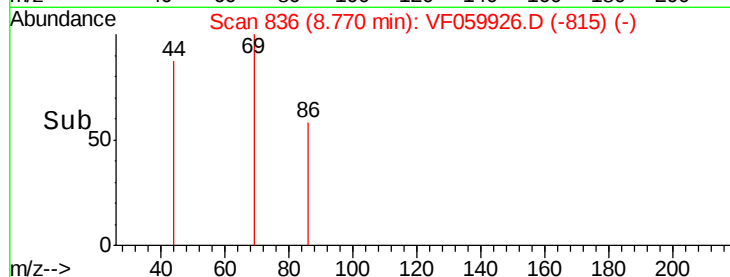
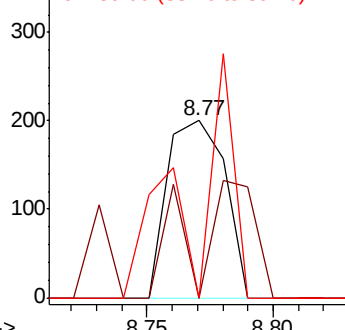
39 0.0 61.1 91.7#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 1.20 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.06 min

Lab File: VF059926.D

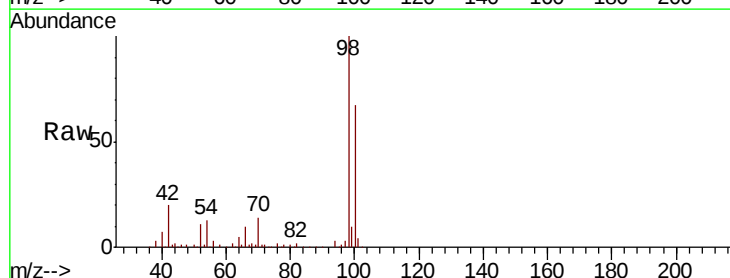
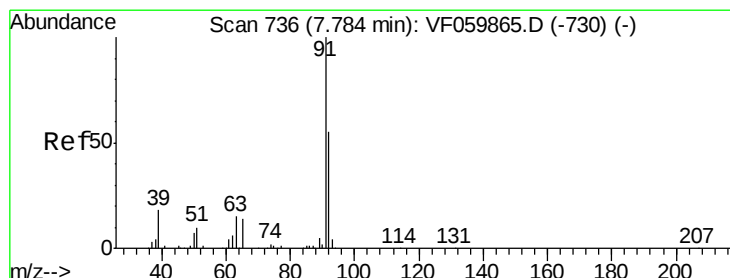
Acq: 8 Aug 2018 12:40

Tgt Ion: 63 Resp: 127

Ion Ratio Lower Upper

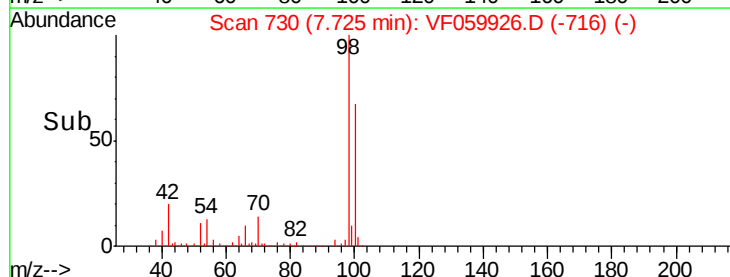
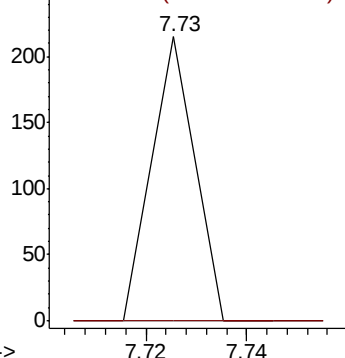
63 100

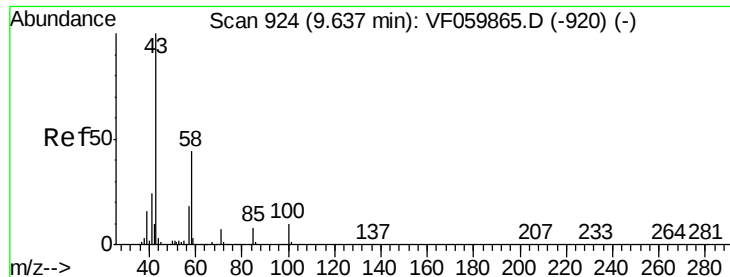
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

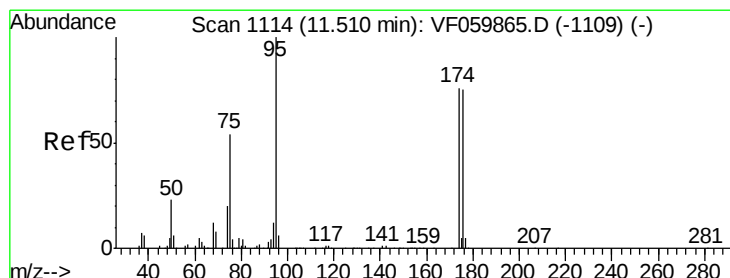
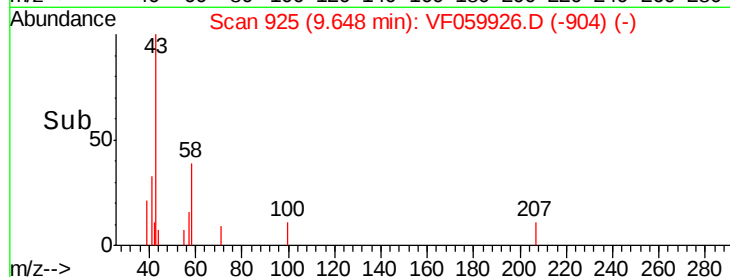
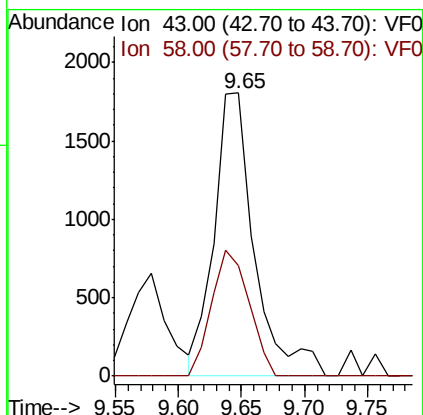
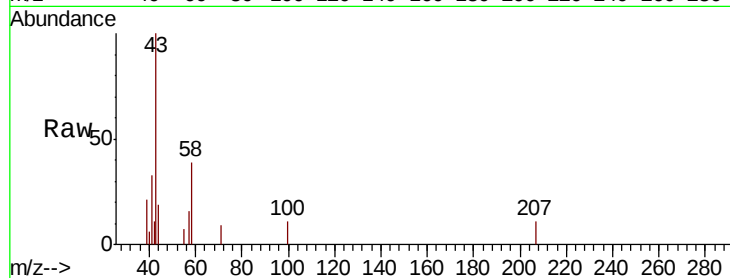




#59
2-Hexanone
Concen: 7.13 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.01 min
Lab File: VF059926.D
Acq: 8 Aug 2018 12:40

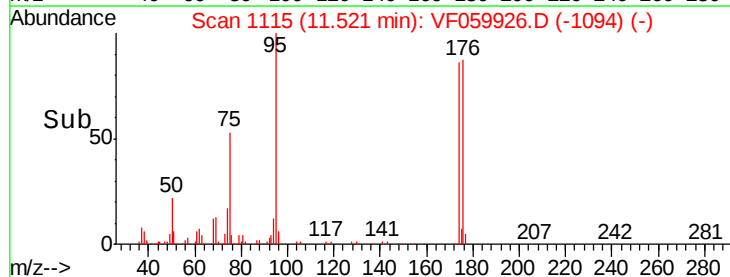
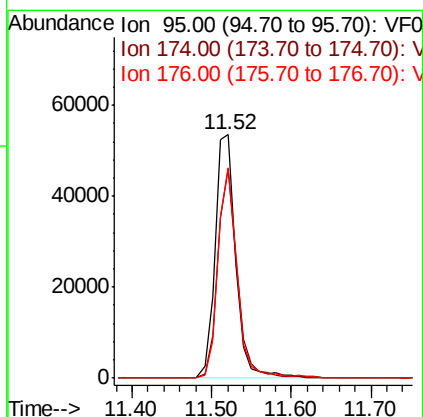
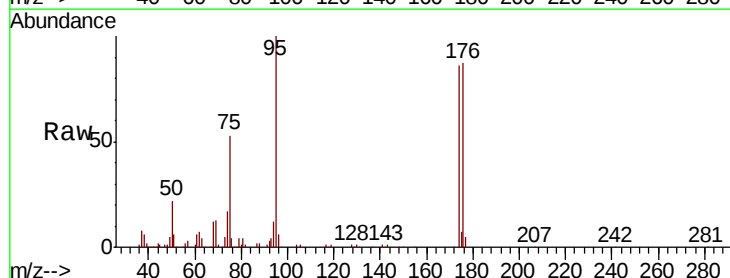
Instrument :
MSVOA_F
ClientSampleId :
VF0808SBL01

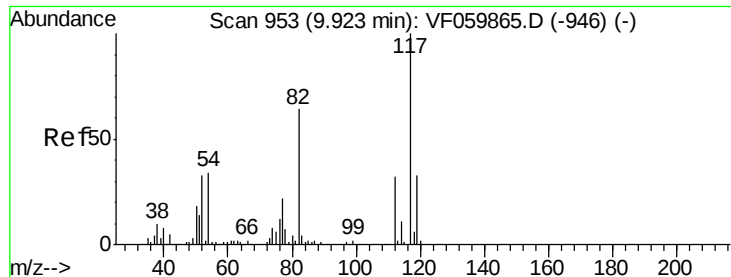
Tot Ion: 43 Resp: 4020
Ion Ratio Lower Upper
43 100
58 39.2 20.8 62.2



#62
4-Bromofluorobenzene
Concen: 54.29 ug/l
RT: 11.52 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VF059926.D
Acq: 8 Aug 2018 12:40

Tgt Ion: 95 Resp: 98629
Ion Ratio Lower Upper
95 100
174 85.9 0.0 151.6
176 86.5 0.0 149.8

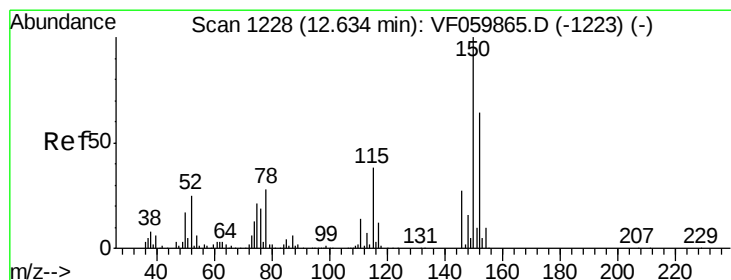
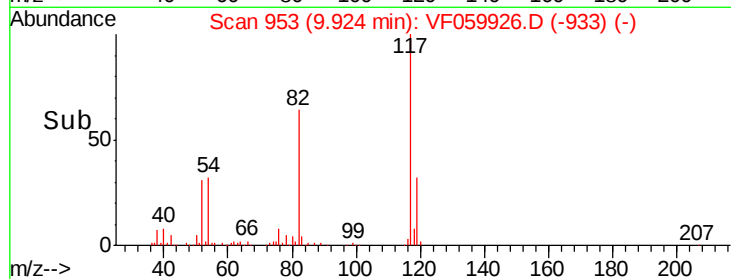
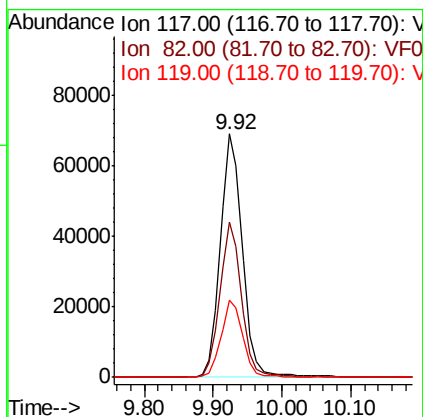
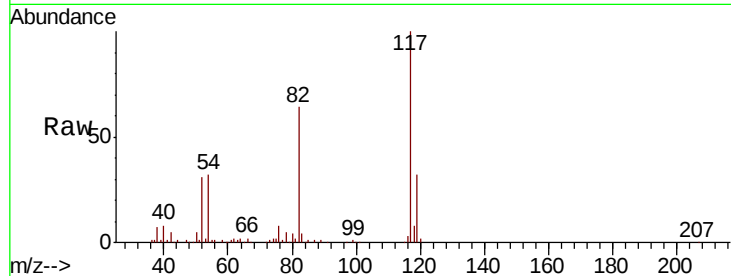




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059926.D
Acq: 8 Aug 2018 12:40

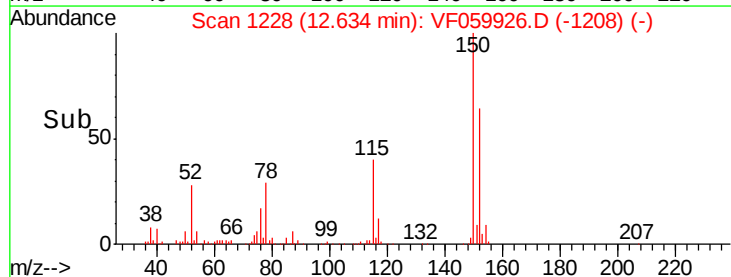
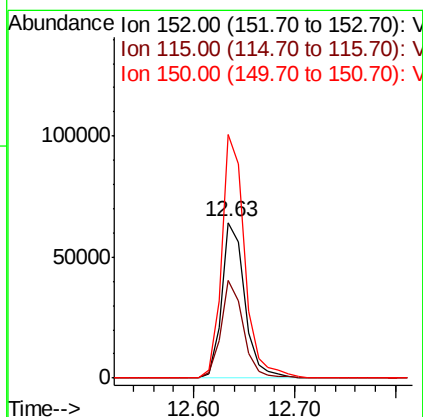
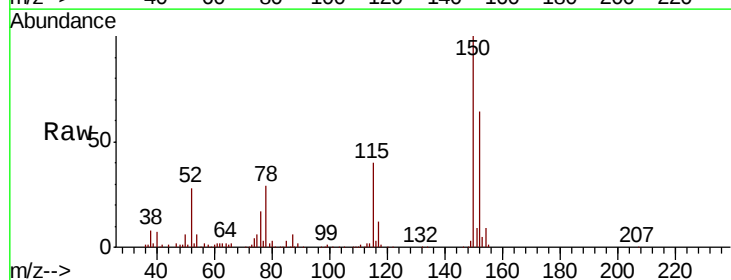
Instrument :
MSVOA_F
ClientSampleId :
VF0808SBL01

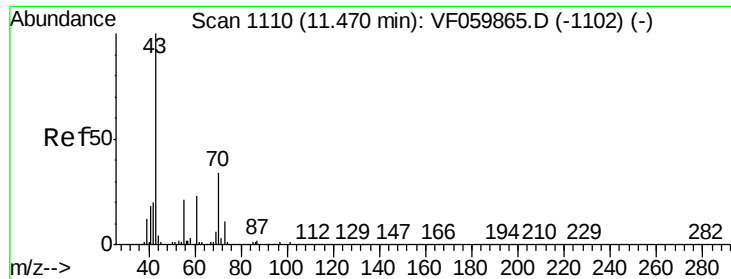
Tot Ion:117 Resp: 153354
Ion Ratio Lower Upper
117 100
82 64.0 51.3 76.9
119 31.7 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059926.D
Acq: 8 Aug 2018 12:40

Tgt Ion:152 Resp: 102832
Ion Ratio Lower Upper
152 100
115 62.5 29.8 89.4
150 156.4 0.0 315.6





#74
 N-amvl acetate
 Concen: 4.40 ug/l
 RT: 11.47 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VF059926.D
 Acq: 8 Aug 2018 12:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBL01

Tot Ion	Ratio	Lower	Upper
43	100		
70	32.9	27.5	41.3
55	33.0	16.6	25.0
61	21.2	18.2	27.4

