

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059875.D
 Acq On : 4 Aug 2018 10:15
 Operator : VA/AP
 Sample : J4318-11
 Misc : 5.67a/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 06 02:17:51 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

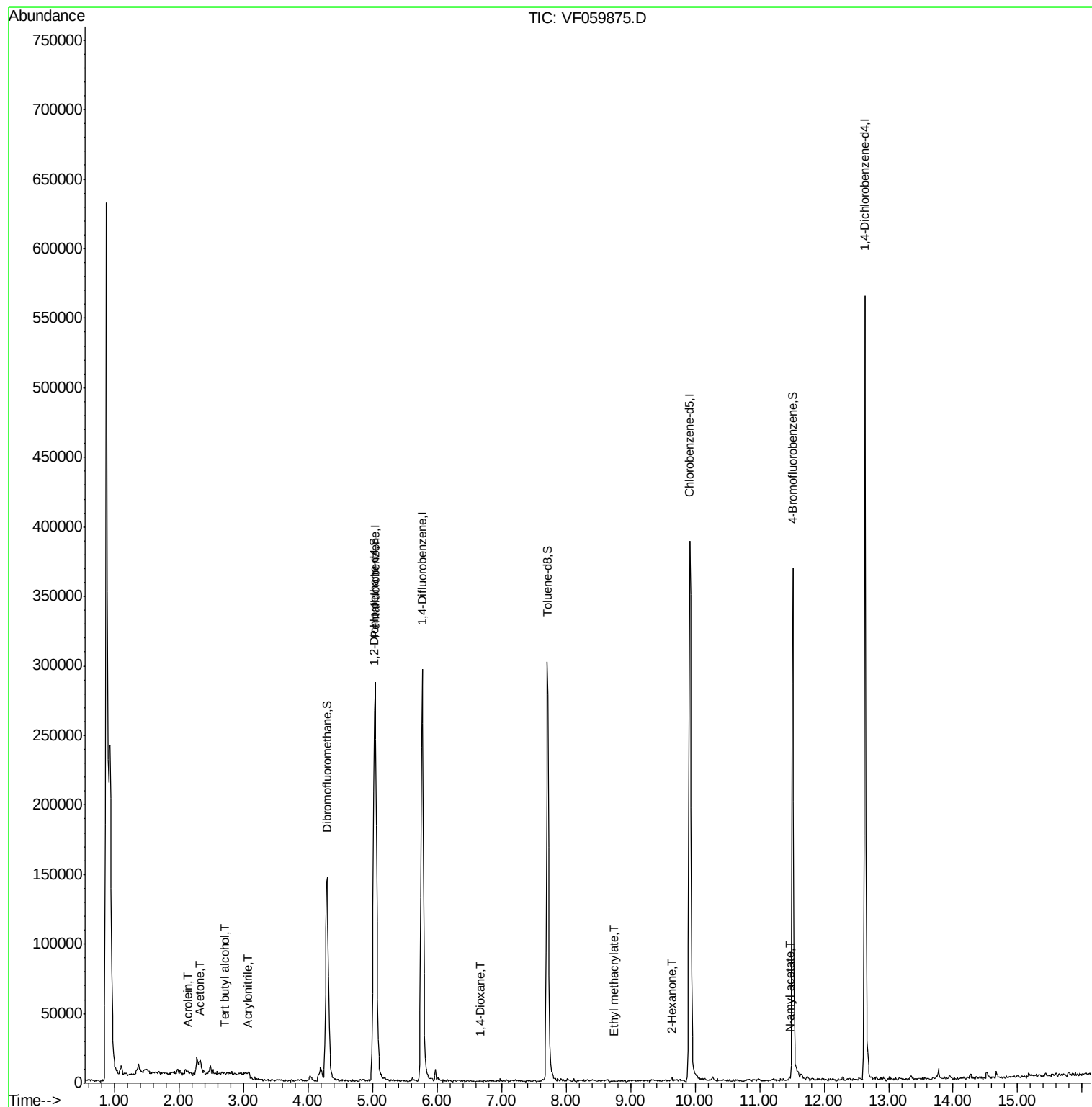
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	166725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	273168	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	253252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	141925	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	165093	54.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.86%	
35) Dibromofluoromethane	4.30	113	131351	48.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.66%	
50) Toluene-d8	7.71	98	234783	40.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.20%	
62) 4-Bromofluorobenzene	11.51	95	121968	37.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.06%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.70	59	466	3.844	ug/l #	74
13) Acrolein	2.12	56	345	4.748	ug/l	91
15) Acrylonitrile	3.07	53	289	1.301	ug/l #	55
16) Acetone	2.34	43	802	1.445	ug/l #	70
40) Benzene	4.81	78	1042	Below Cal		93
49) 1,4-Dioxane	6.66	88	108	93.149	ug/l #	16
56) Ethyl methacrylate	8.74	69	63	3.394	ug/l #	1
59) 2-Hexanone	9.63	43	1574	1.560	ug/l	77
74) N-amyl acetate	11.47	43	818	3.311	ug/l #	61

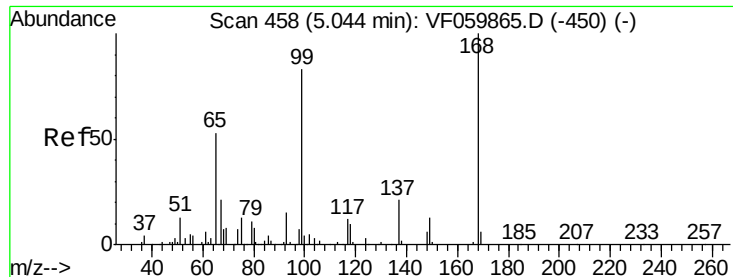
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059875.D

Acq: 4 Aug 2018 10:15

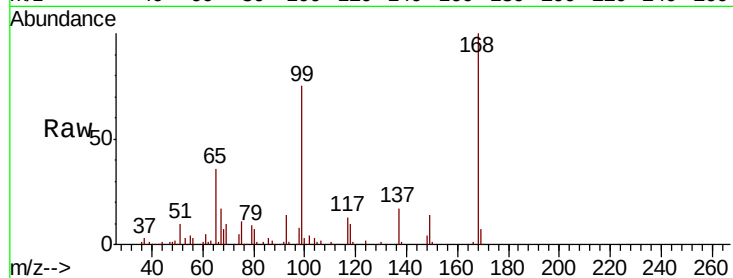
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 166725

Ion Ratio Lower Upper

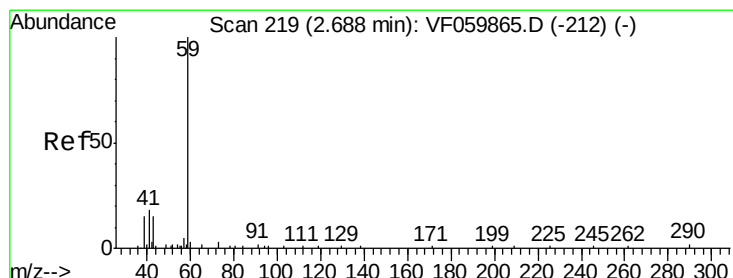
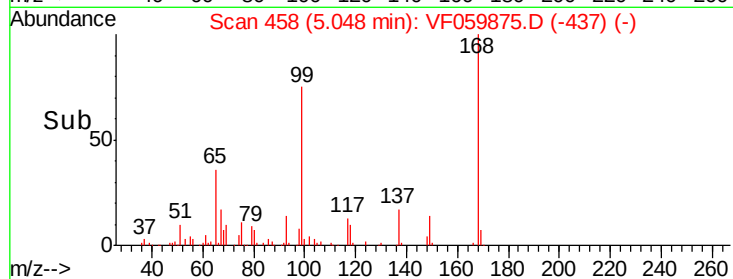
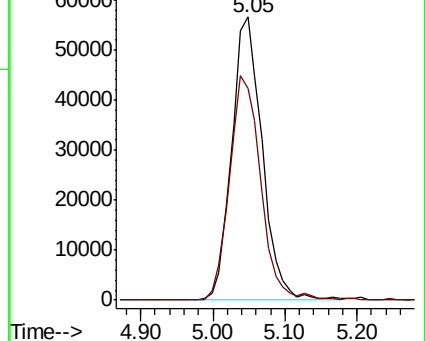
168 100

99 74.9 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 3.844 ug/l

RT: 2.70 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF059875.D

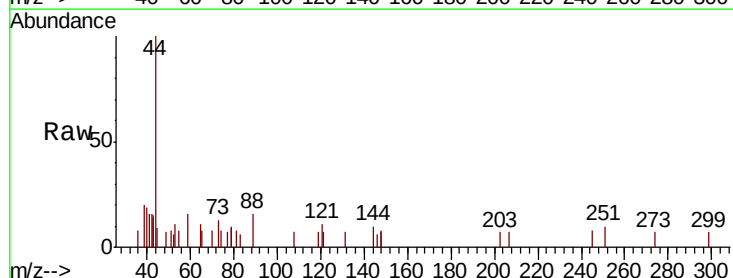
Acq: 4 Aug 2018 10:15

Tgt Ion: 59 Resp: 466

Ion Ratio Lower Upper

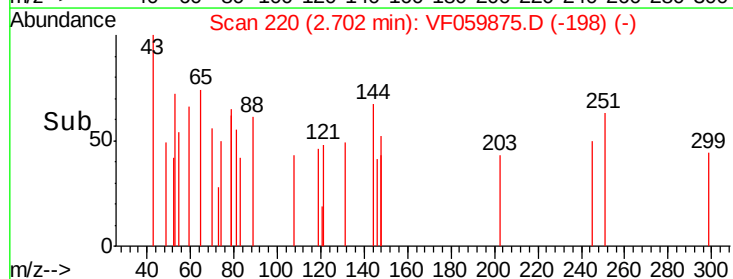
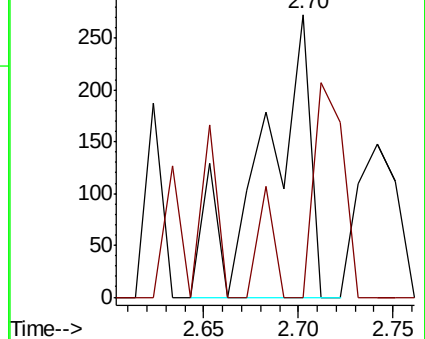
59 100

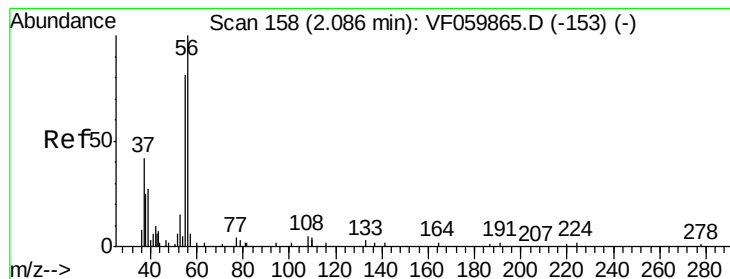
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 4.748 ug/l

RT: 2.12 min Scan# 161

Delta R.T. 0.03 min

Lab File: VF059875.D

Acq: 4 Aug 2018 10:15

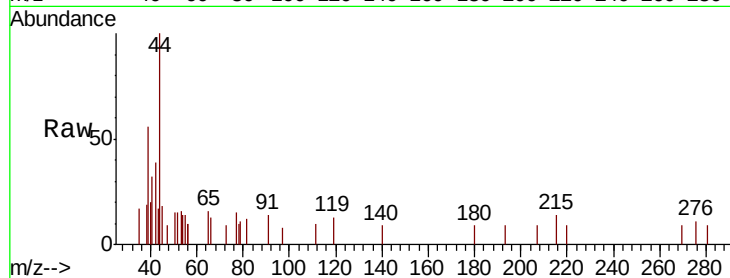
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 345

Ion Ratio Lower Upper

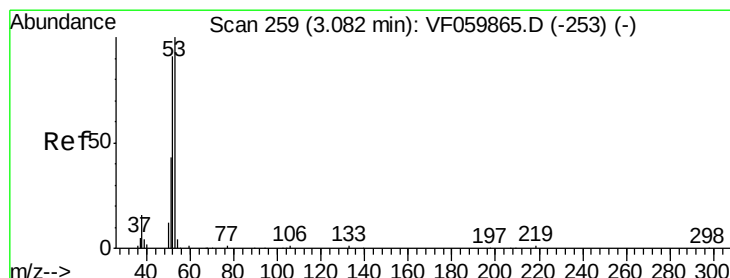
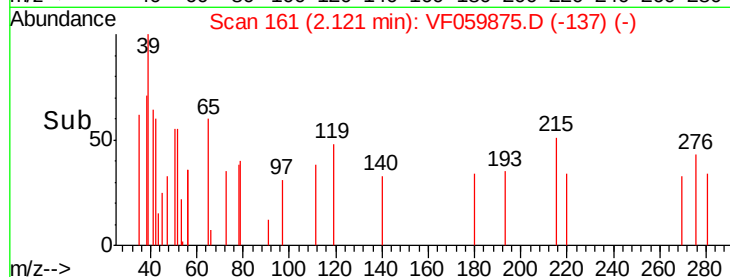
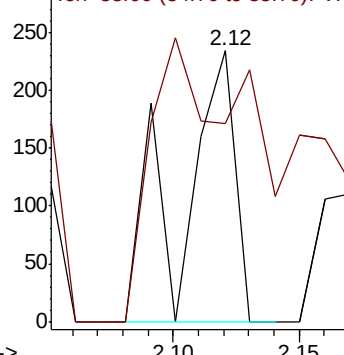
56 100

55 73.1 64.6 96.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 1.301 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059875.D

Acq: 4 Aug 2018 10:15

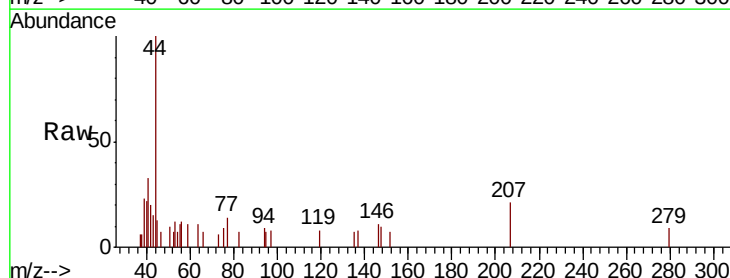
Tgt Ion: 53 Resp: 289

Ion Ratio Lower Upper

53 100

52 54.3 72.9 109.3#

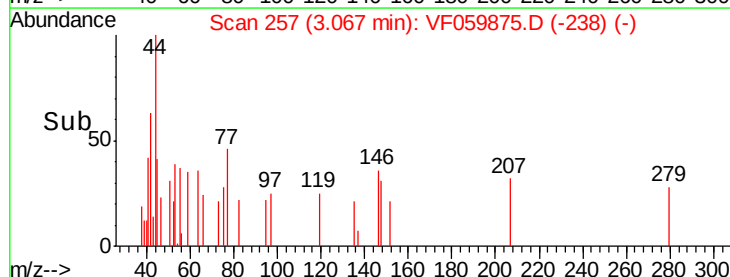
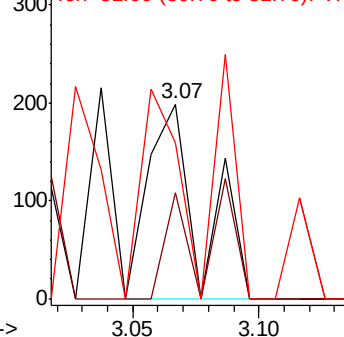
51 79.9 34.5 51.7#

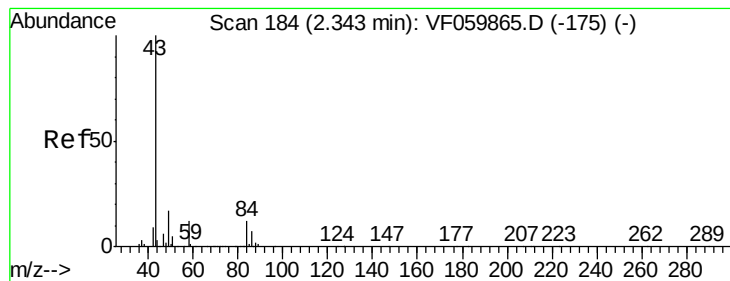


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 1.445 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF059875.D

Acq: 4 Aug 2018 10:15

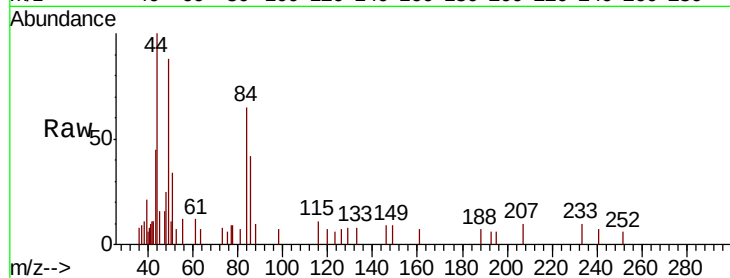
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 802

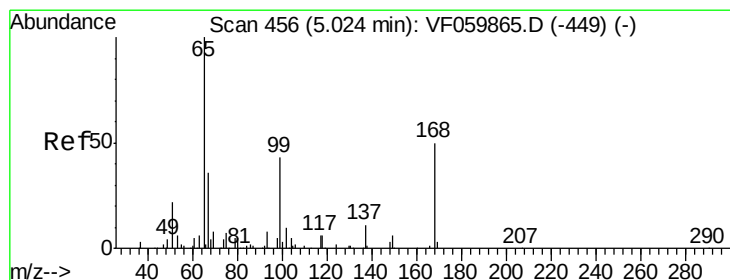
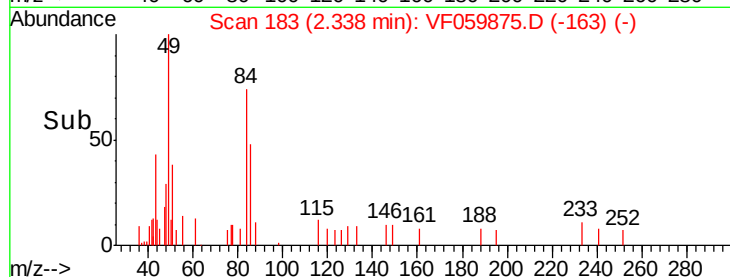
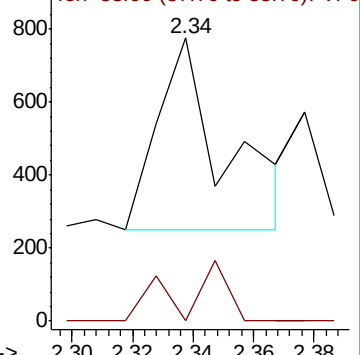
Ion Ratio Lower Upper

43 100

58 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 54.925 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059875.D

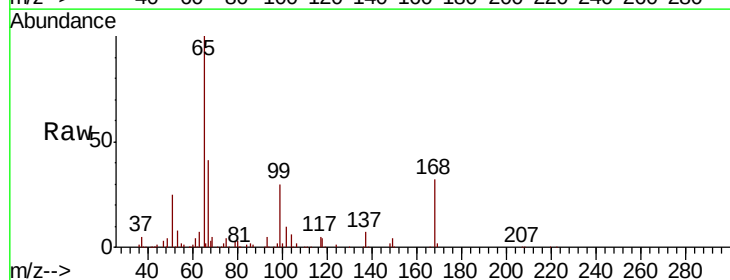
Acq: 4 Aug 2018 10:15

Tgt Ion: 65 Resp: 165093

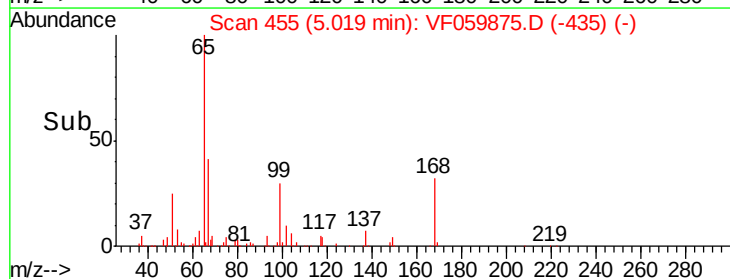
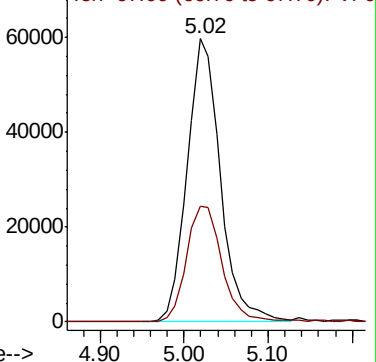
Ion Ratio Lower Upper

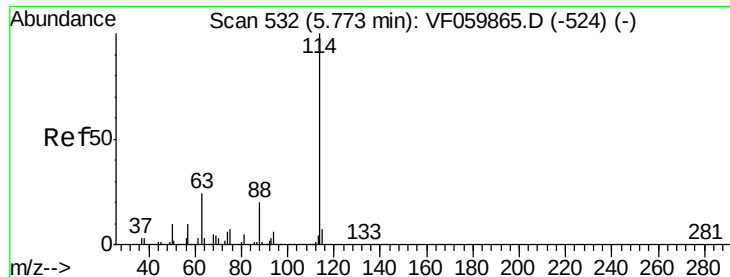
65 100

67 40.7 0.0 77.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

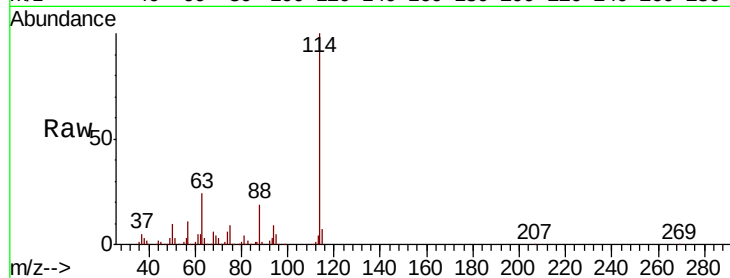




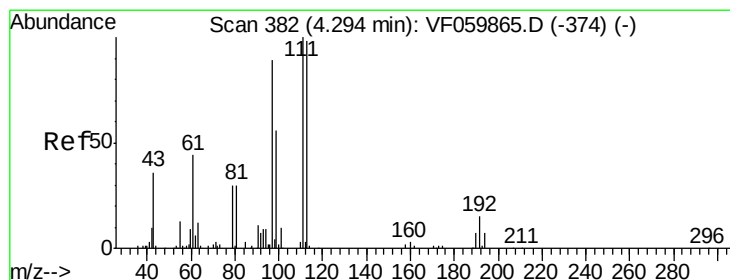
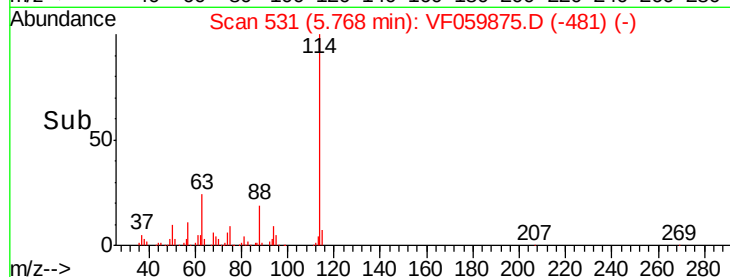
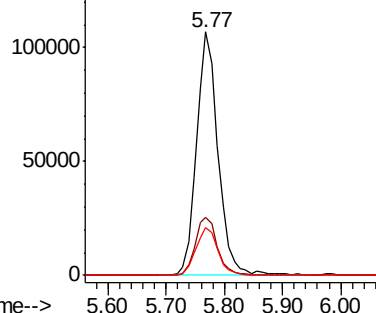
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF059875.D
 Acq: 4 Aug 2018 10:15

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:114 Resp: 273168
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 48.0
 88 19.4 0.0 39.4

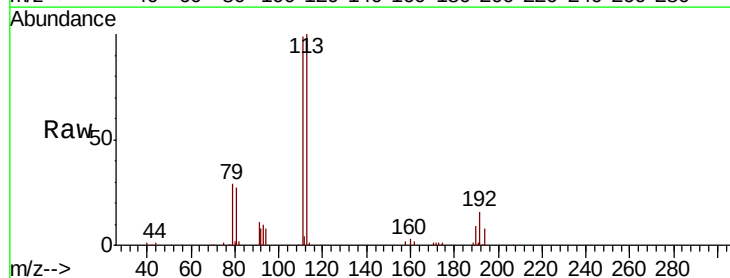


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

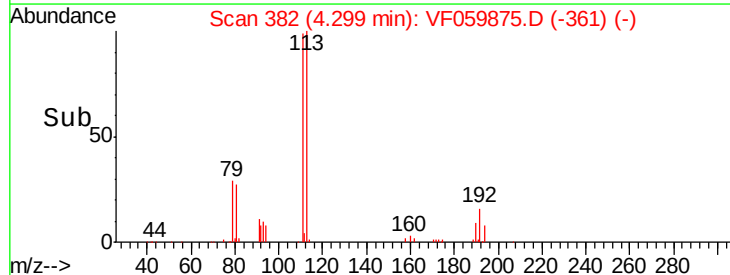
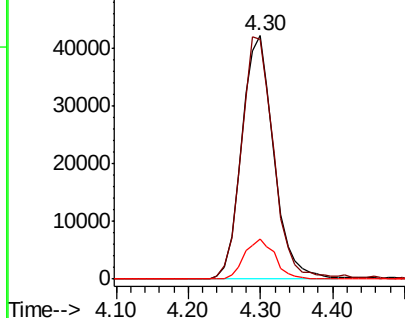


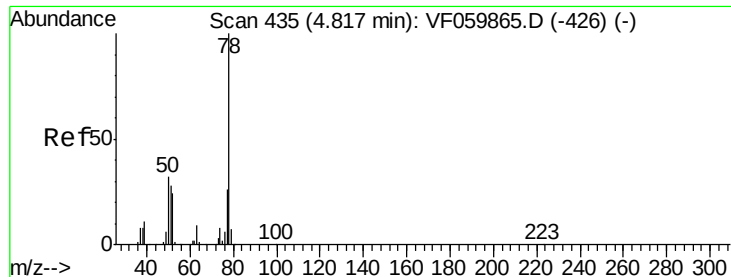
#35
 Dibromofluoromethane
 Concen: 48.328 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF059875.D
 Acq: 4 Aug 2018 10:15

Tgt Ion:113 Resp: 131351
 Ion Ratio Lower Upper
 113 100
 111 98.6 81.8 122.8
 192 16.7 12.4 18.6



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





#40

Benzene

Concen: Below Cal

RT: 4.81 min Scan# 434

Delta R.T. -0.00 min

Lab File: VF059875.D

Acq: 4 Aug 2018 10:15

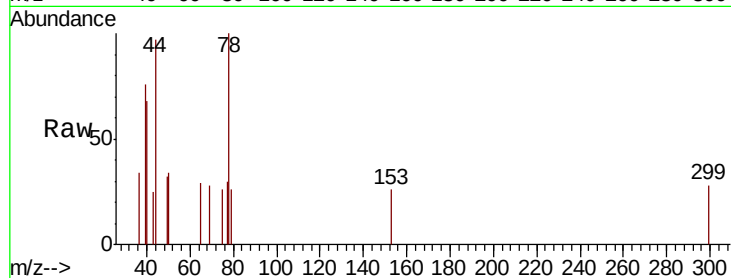
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 78 Resp: 1042

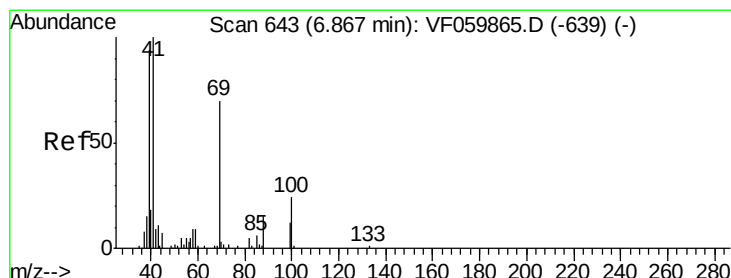
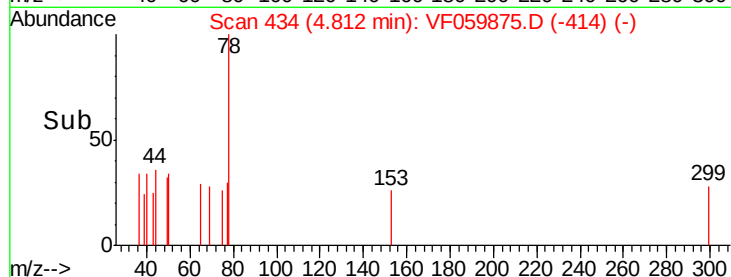
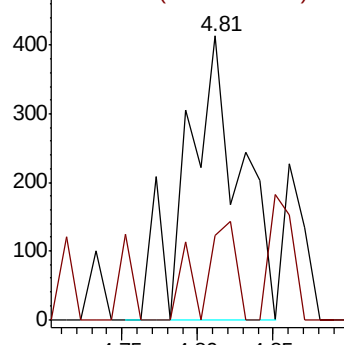
Ion Ratio Lower Upper

78 100

77 29.5 20.7 31.1



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0



#49

1,4-Dioxane

Concen: 93.149 ug/l

RT: 6.66 min Scan# 622

Delta R.T. -0.20 min

Lab File: VF059875.D

Acq: 4 Aug 2018 10:15

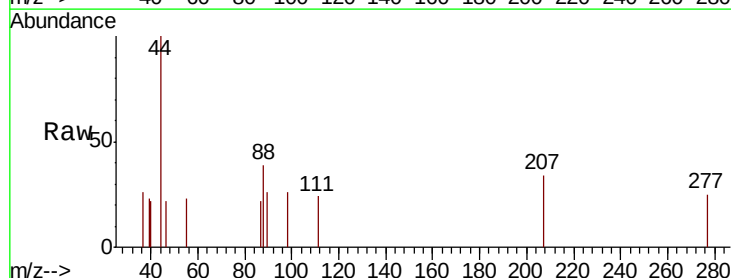
Tgt Ion: 88 Resp: 108

Ion Ratio Lower Upper

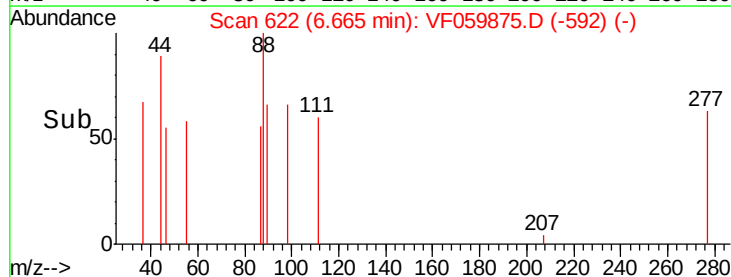
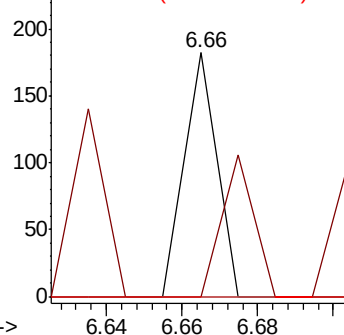
88 100

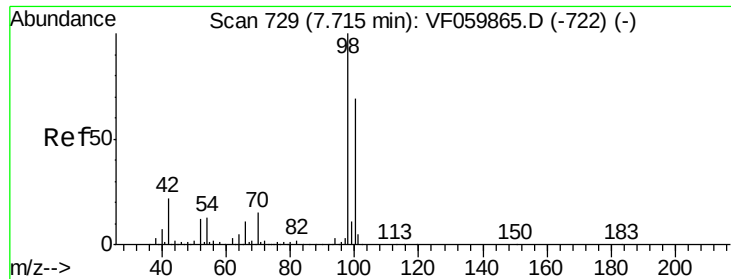
43 0.0 58.3 87.5#

58 0.0 49.4 74.2#



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

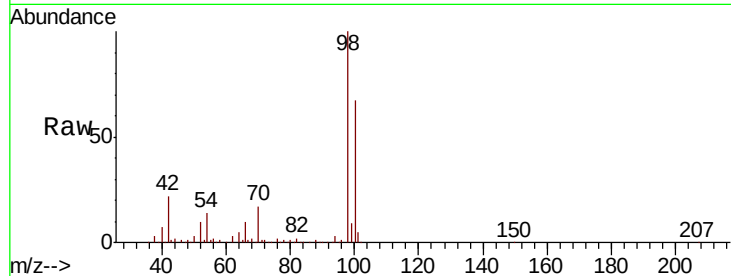




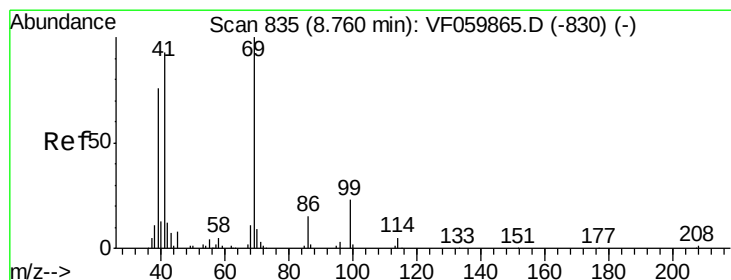
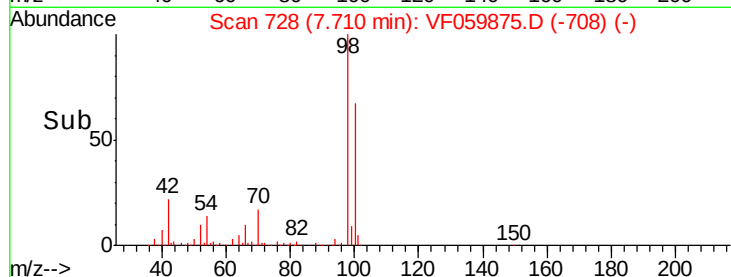
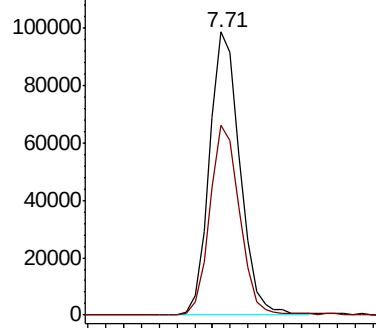
#50
Toluene-d8
Concen: 40.600 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF059875.D
Acq: 4 Aug 2018 10:15

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 234783
Ion Ratio Lower Upper
98 100
100 67.0 55.0 82.6

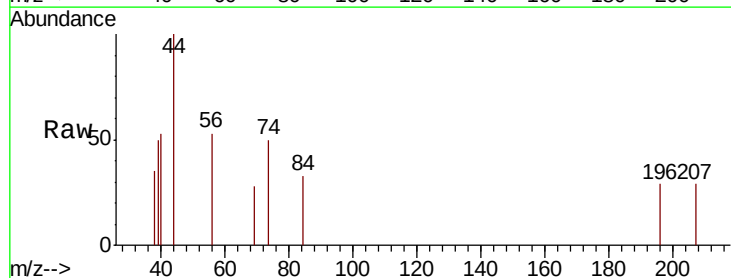


Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF

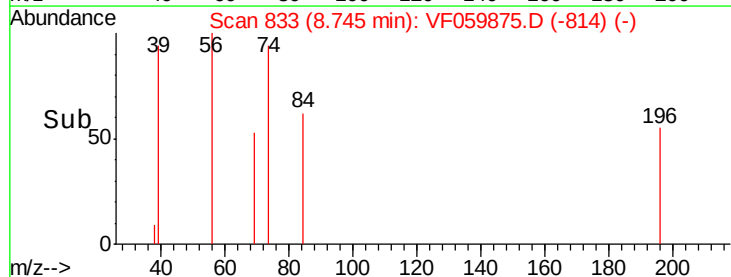
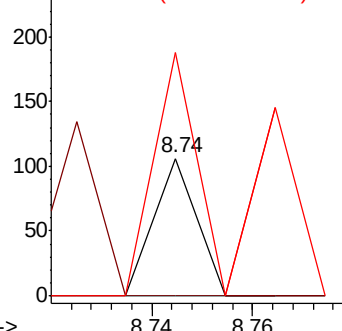


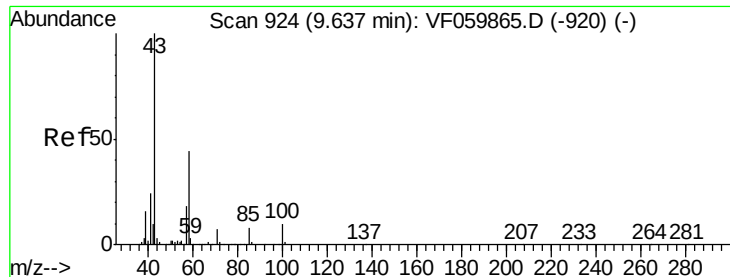
#56
Ethyl methacrylate
Concen: 3.394 ug/l
RT: 8.74 min Scan# 833
Delta R.T. -0.01 min
Lab File: VF059875.D
Acq: 4 Aug 2018 10:15

Tgt Ion: 69 Resp: 63
Ion Ratio Lower Upper
69 100
41 0.0 74.7 112.1#
39 177.4 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

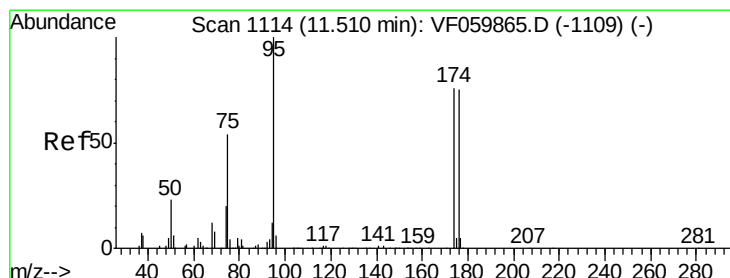
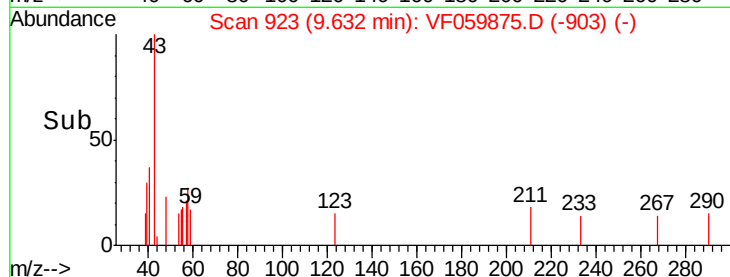
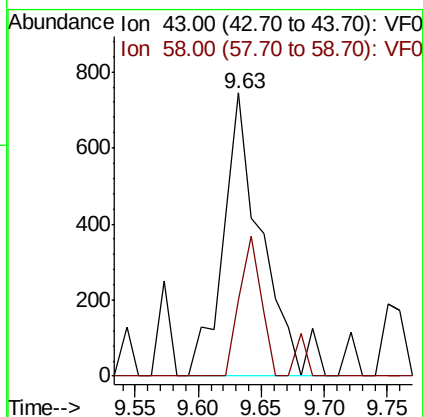
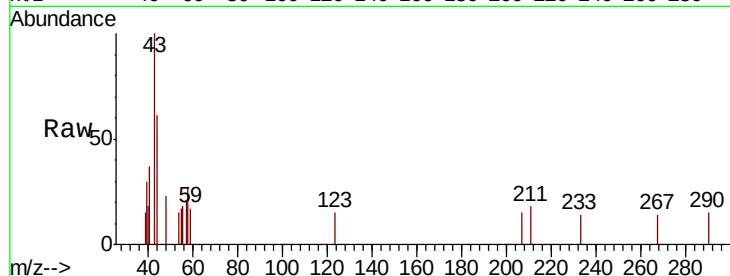




#59
2-Hexanone
Concen: 1.560 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF059875.D
Acq: 4 Aug 2018 10:15

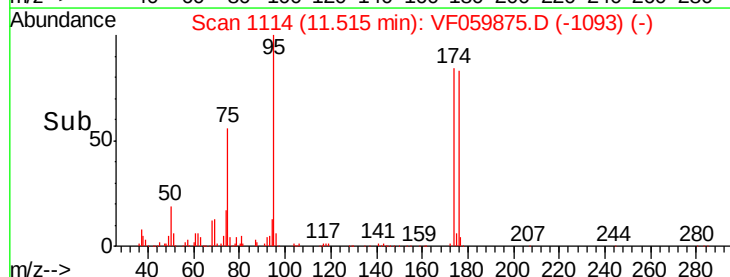
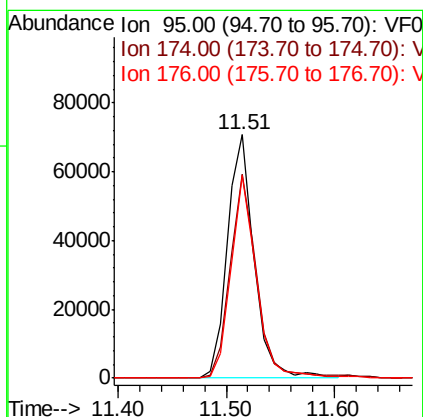
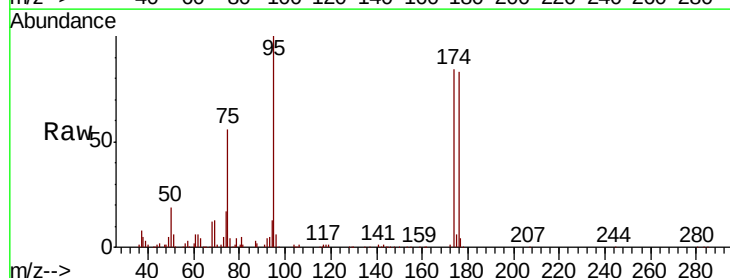
Instrument :
MSVOA_F
ClientSampleId :

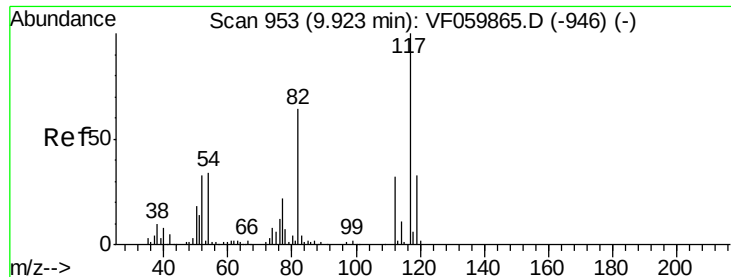
Tot Ion: 43 Resp: 1574
Ion Ratio Lower Upper
43 100
58 26.7 20.8 62.2



#62
4-Bromofluorobenzene
Concen: 37.534 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF059875.D
Acq: 4 Aug 2018 10:15

Tgt Ion: 95 Resp: 121968
Ion Ratio Lower Upper
95 100
174 83.8 0.0 151.6
176 83.2 0.0 149.8

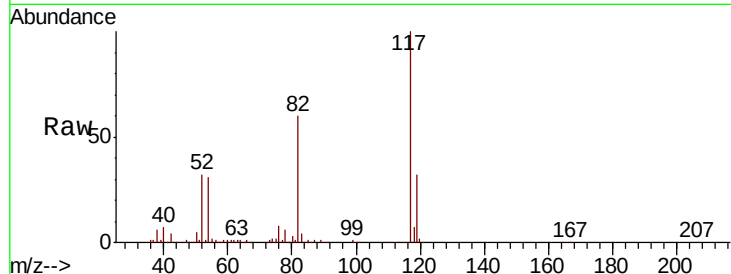




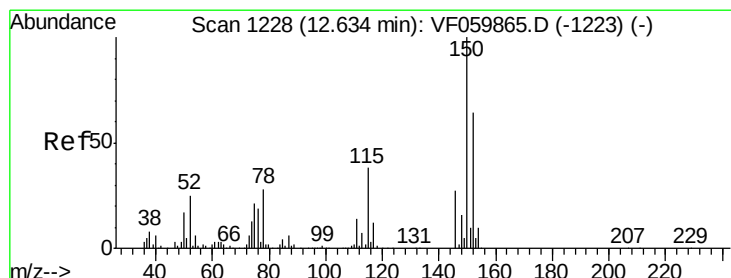
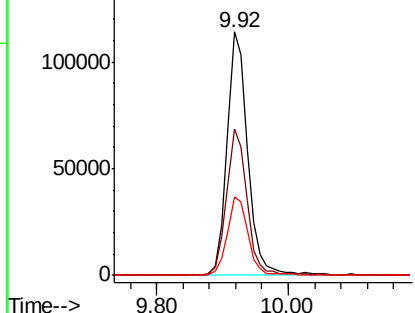
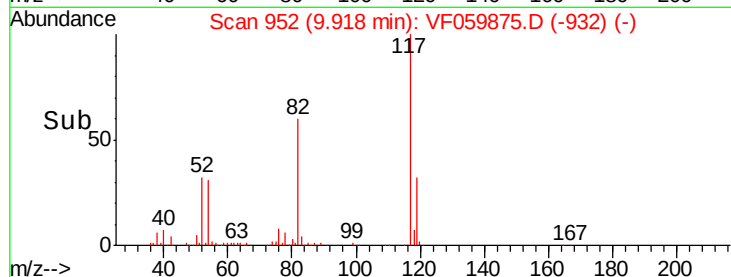
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF059875.D
Acq: 4 Aug 2018 10:15

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 253252
Ion Ratio Lower Upper
117 100
82 59.9 51.3 76.9
119 32.5 26.4 39.6

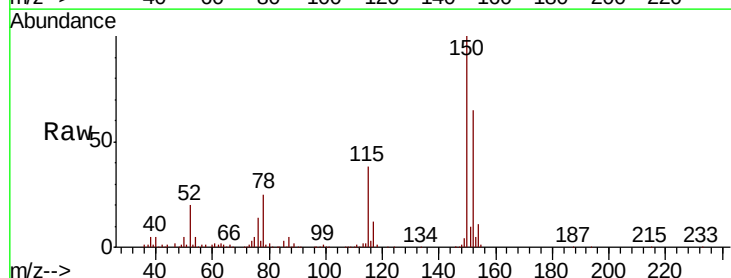


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

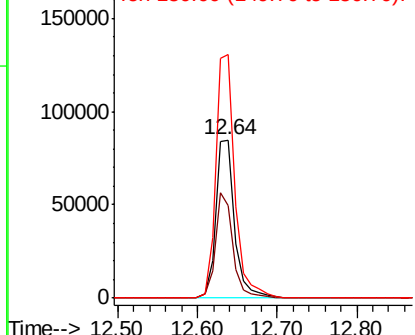
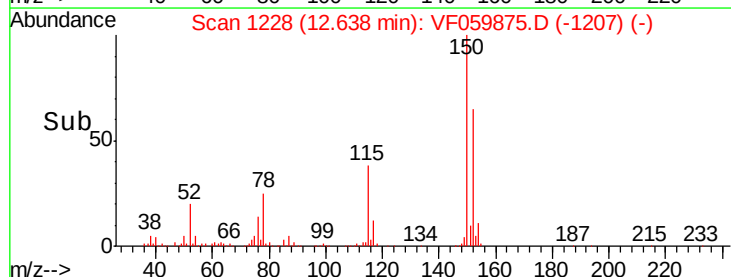


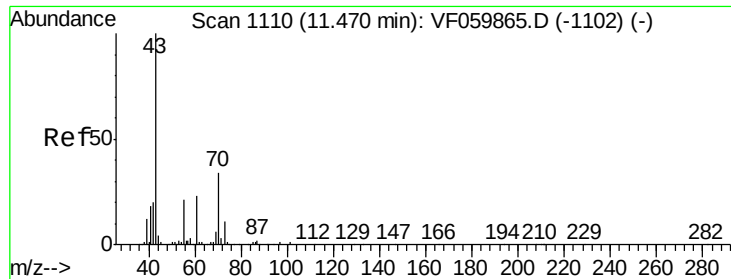
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059875.D
Acq: 4 Aug 2018 10:15

Tgt Ion:152 Resp: 141925
Ion Ratio Lower Upper
152 100
115 58.2 29.8 89.4
150 154.0 0.0 315.6



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

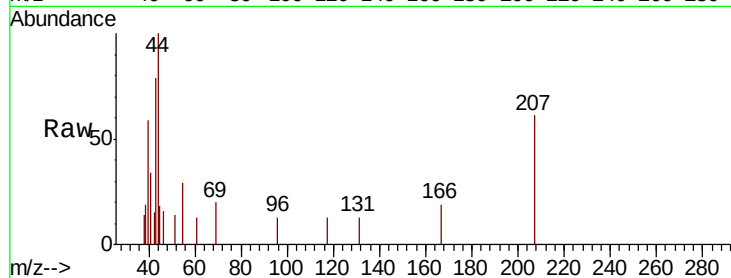




#74
 N-amvl acetate
 Concen: 3.311 ug/l
 RT: 11.47 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VF059875.D
 Acq: 4 Aug 2018 10:15

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 818
 Ion Ratio Lower Upper
 43 100
 70 0.0 27.5 41.3#
 55 36.8 16.6 25.0#
 61 17.0 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 70.00 (69.70 to 70.70): VF0
 Ion 55.00 (54.70 to 55.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0

