

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059881.D
 Acq On : 4 Aug 2018 13:01
 Operator : VA/AP
 Sample : J4333-17
 Misc : 5.80g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 06 02:19:06 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	124676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	172569	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	137191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	40576	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	135327	60.21	ug/l	0.00
Spiked Amount			Recovery	=	120.42%	
35) Dibromofluoromethane	4.30	113	106467	62.01	ug/l	0.00
Spiked Amount			Recovery	=	124.02%	
50) Toluene-d8	7.71	98	149022	40.79	ug/l	0.00
Spiked Amount			Recovery	=	81.58%	
62) 4-Bromofluorobenzene	11.51	95	48158	23.46	ug/l	0.00
Spiked Amount			Recovery	=	46.92%	

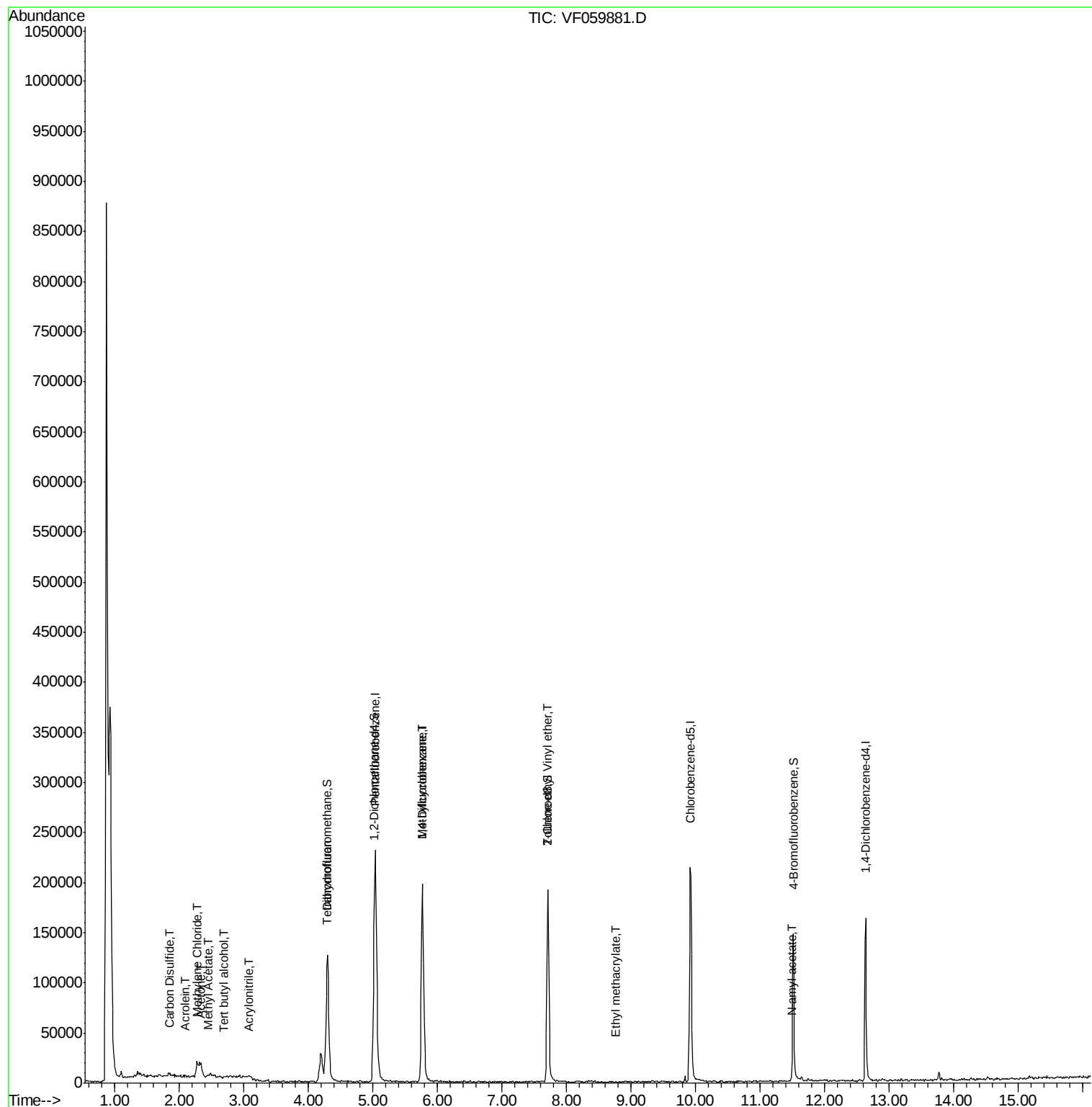
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.70	59	219	2.416	ug/l #	74
13) Acrolein	2.10	56	81	1.491	ug/l	92
15) Acrylonitrile	3.07	53	598	3.599	ug/l #	39
16) Acetone	2.35	43	9917	23.899	ug/l	98
17) Carbon Disulfide	1.84	76	7468	2.512	ug/l	100
18) Methyl Acetate	2.43	43	748	1.069	ug/l #	56
20) Methylene Chloride	2.28	84	10292	4.484	ug/l #	85
29) Tetrahydrofuran	4.28	42	296	1.782	ug/l	89
39) Methylcyclohexane	5.77	83	4070	2.719	ug/l #	31
40) Benzene	4.81	78	609	Below Cal	#	79
56) Ethyl methacrylate	8.75	69	84	3.435	ug/l #	40
58) 2-Chloroethyl Vinyl ether	7.72	63	209	1.741	ug/l	100
74) N-amyl acetate	11.48	43	353	3.490	ug/l #	48

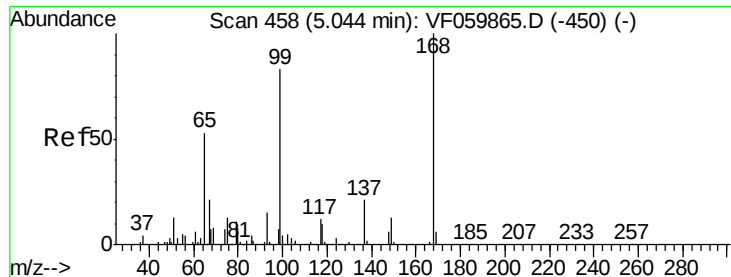
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059881.D

Acq: 4 Aug 2018 13:01

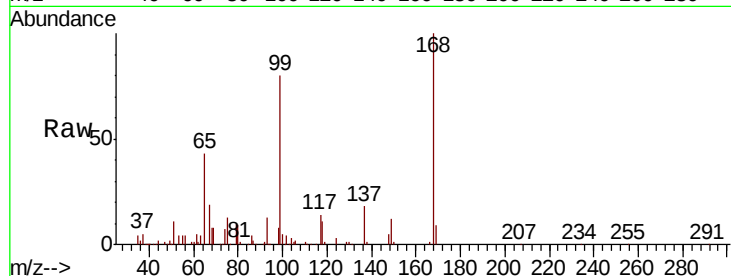
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 124676

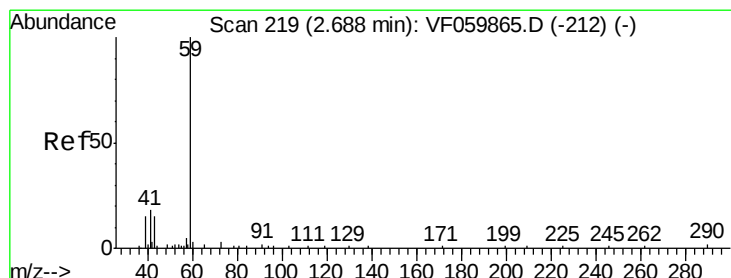
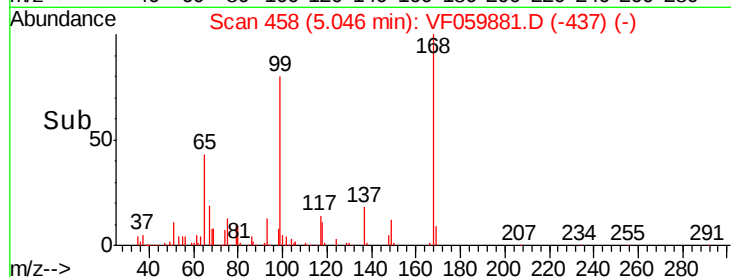
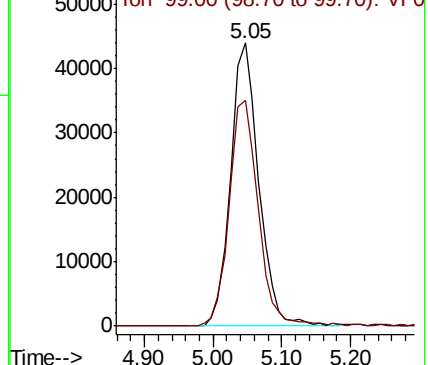
Ion Ratio Lower Upper

168 100

99 79.8 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 2.416 ug/l

RT: 2.70 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF059881.D

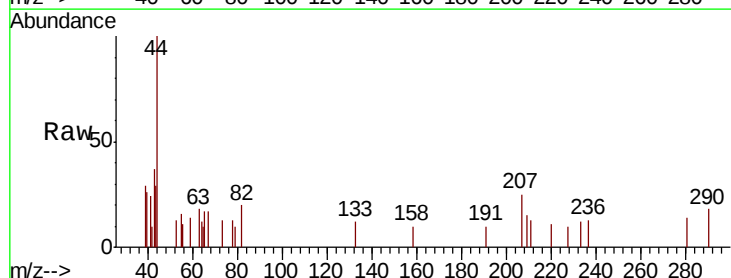
Acq: 4 Aug 2018 13:01

Tgt Ion: 59 Resp: 219

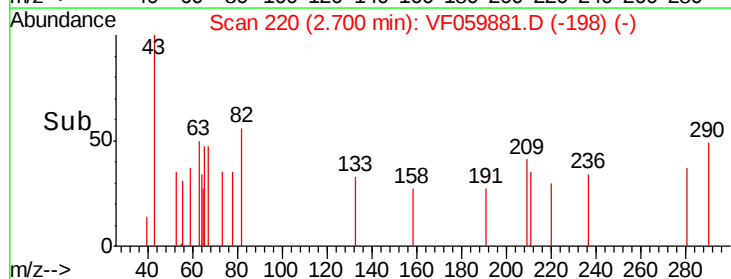
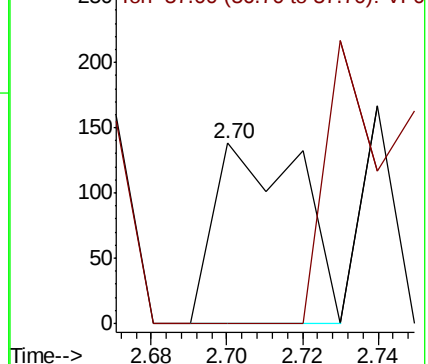
Ion Ratio Lower Upper

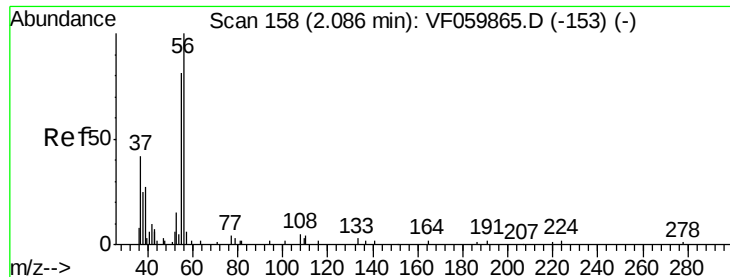
59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: 1.491 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF059881.D

Acq: 4 Aug 2018 13:01

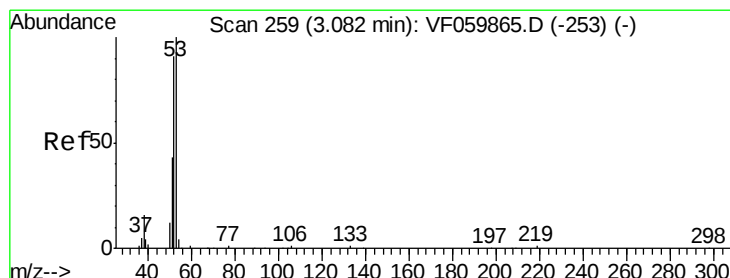
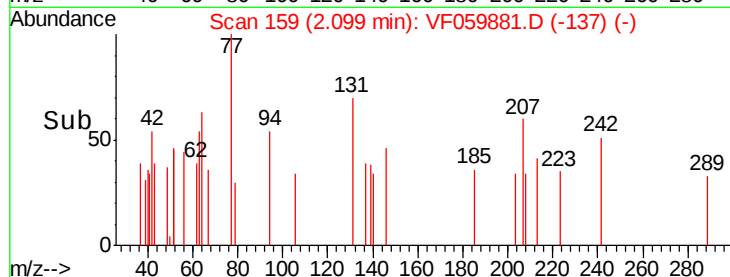
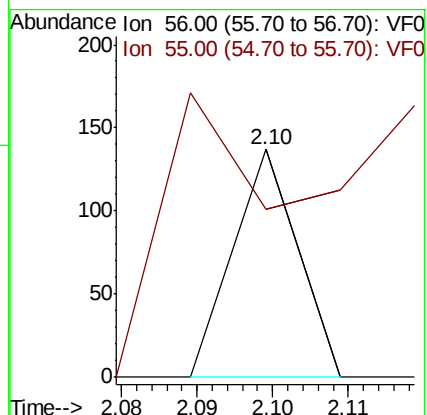
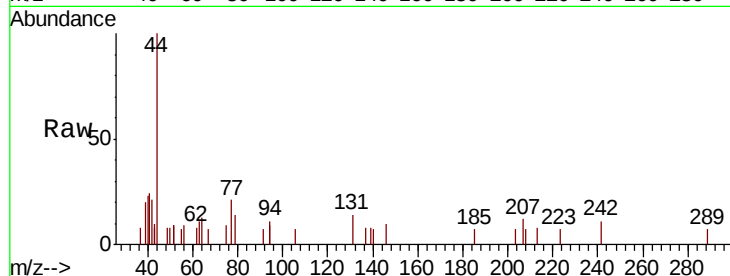
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 81

Ion Ratio Lower Upper

56 100

55 73.7 64.6 96.8



#15

Acrylonitrile

Concen: 3.599 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059881.D

Acq: 4 Aug 2018 13:01

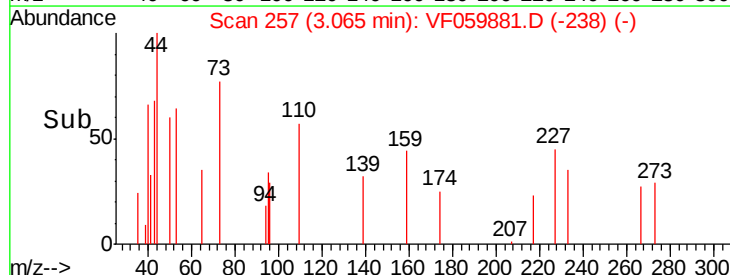
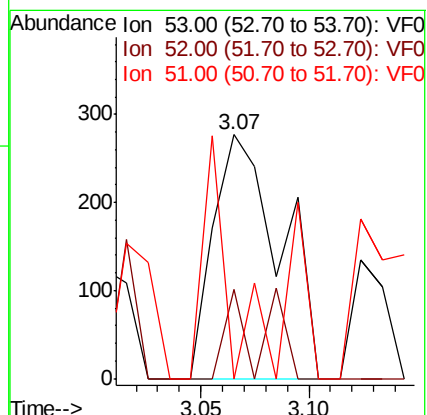
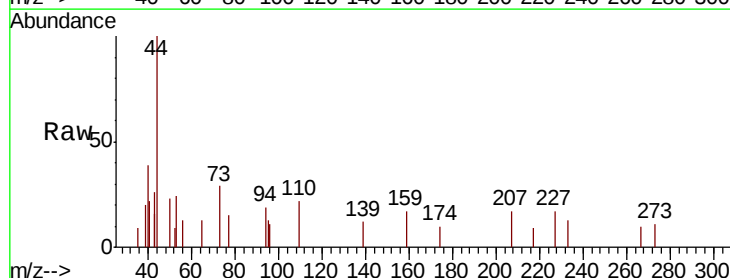
Tgt Ion: 53 Resp: 598

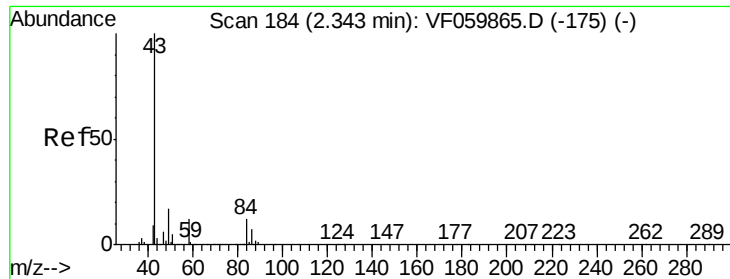
Ion Ratio Lower Upper

53 100

52 36.5 72.9 109.3#

51 0.0 34.5 51.7#

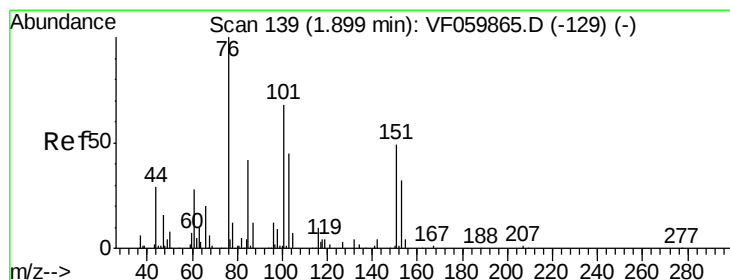
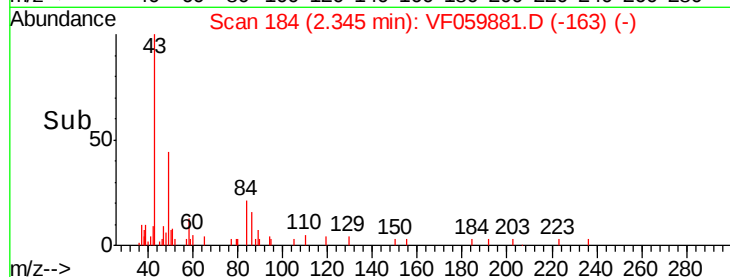
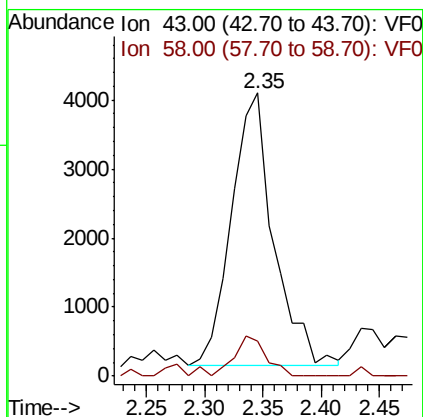
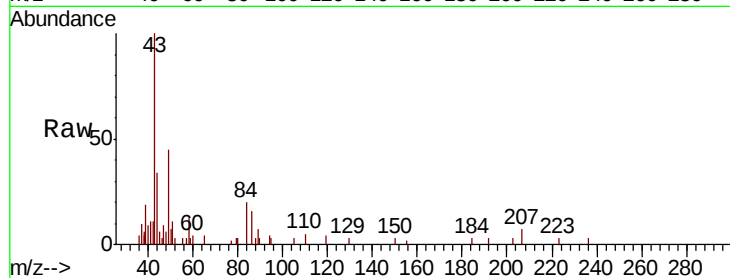




#16
Acetone
Concen: 23.899 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF059881.D
Acq: 4 Aug 2018 13:01

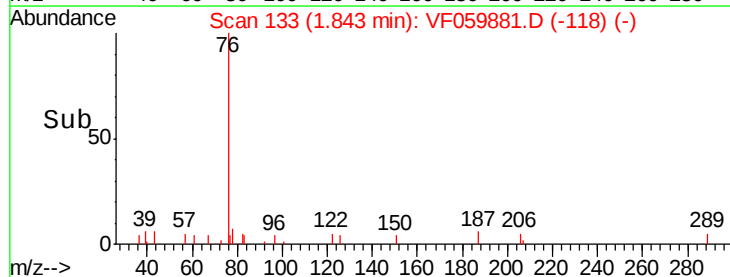
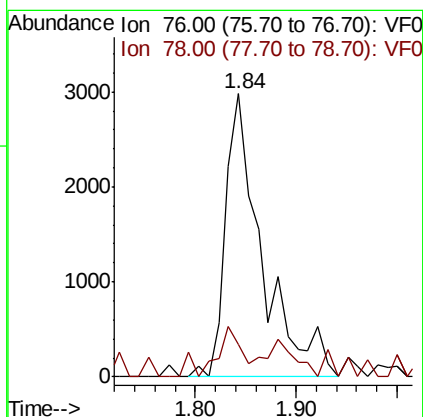
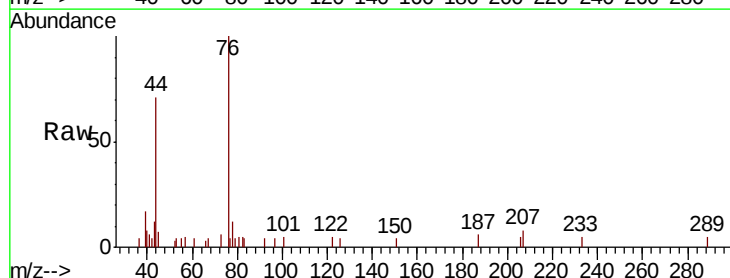
Instrument :
MSVOA_F
ClientSampleId :

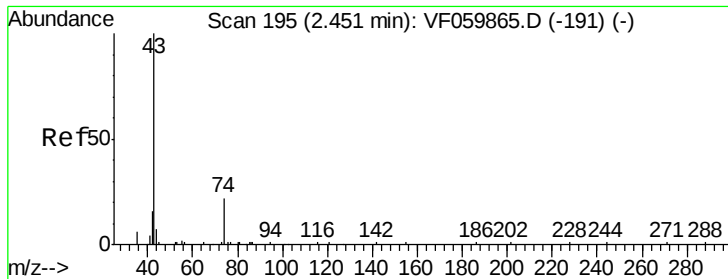
Tot Ion: 43 Resp: 9917
Ion Ratio Lower Upper
43 100
58 12.6 9.4 14.0



#17
Carbon Disulfide
Concen: 2.512 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.06 min
Lab File: VF059881.D
Acq: 4 Aug 2018 13:01

Tgt Ion: 76 Resp: 7468
Ion Ratio Lower Upper
76 100
78 11.6 9.3 13.9

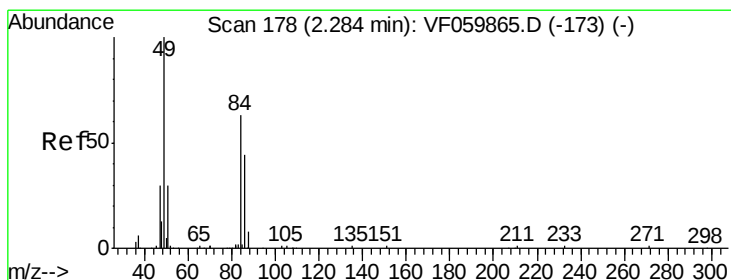
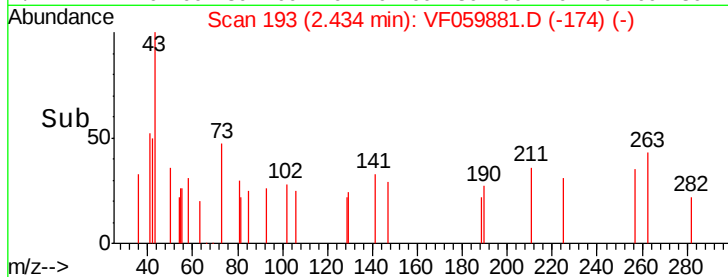
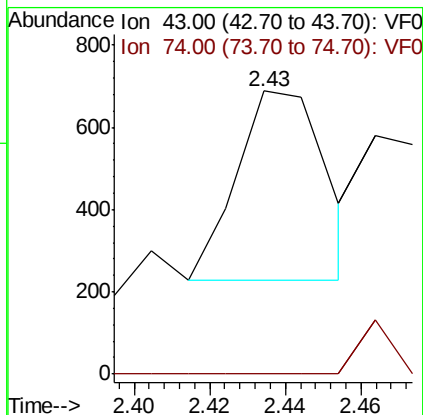
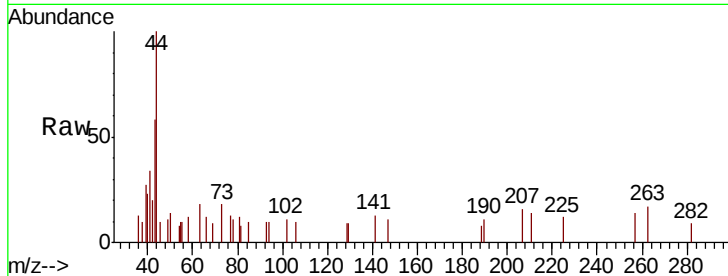




#18
Methyl Acetate
Concen: 1.069 ug/l
RT: 2.43 min Scan# 193
Delta R.T. -0.02 min
Lab File: VF059881.D
Acq: 4 Aug 2018 13:01

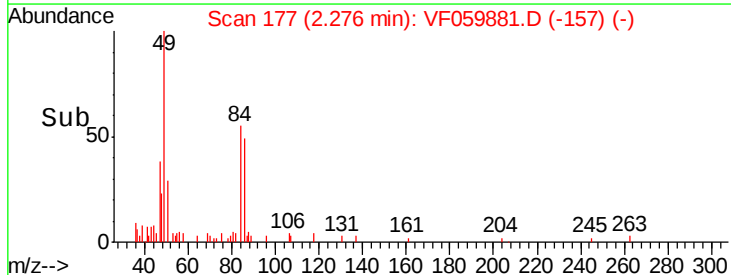
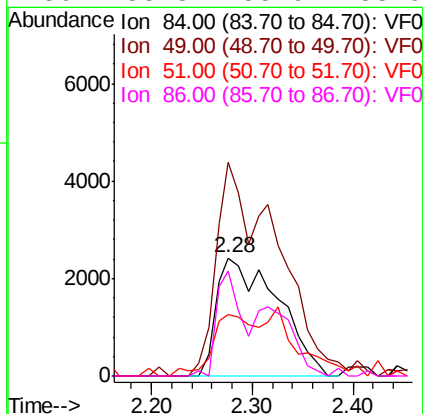
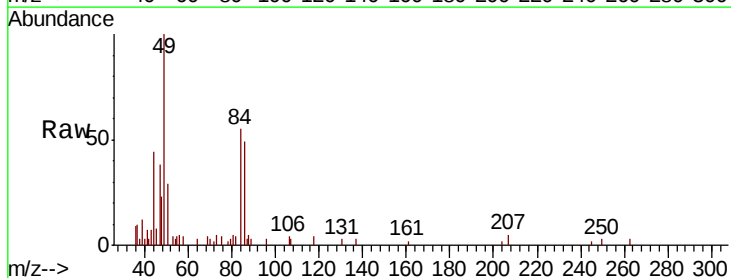
Instrument :
MSVOA_F
ClientSampled :

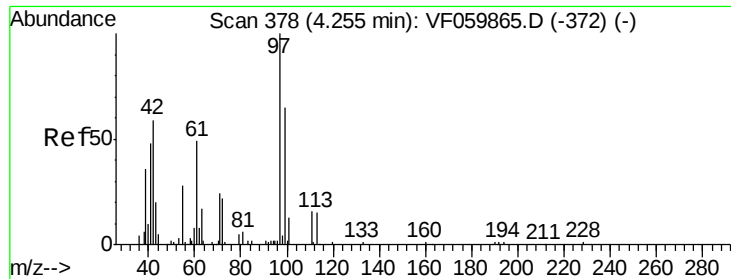
Tot Ion: 43 Resp: 748
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: 4.484 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF059881.D
Acq: 4 Aug 2018 13:01

Tgt Ion: 84 Resp: 10292
Ion Ratio Lower Upper
84 100
49 181.1 128.7 193.1
51 52.2 39.3 58.9
86 88.8 55.9 83.9#





#29

Tetrahydrofuran

Concen: 1.782 ug/l

RT: 4.28 min Scan# 380

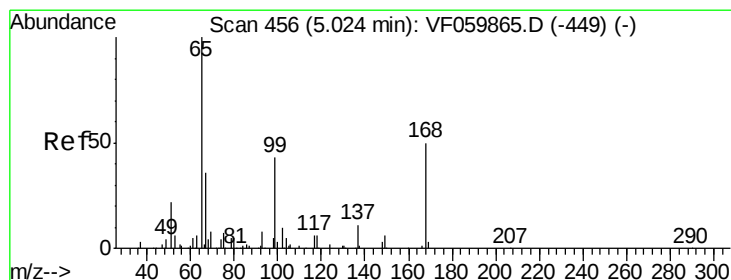
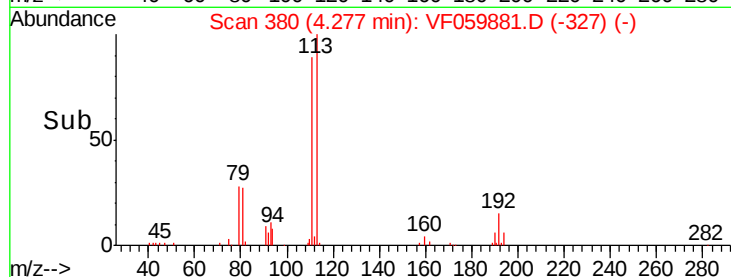
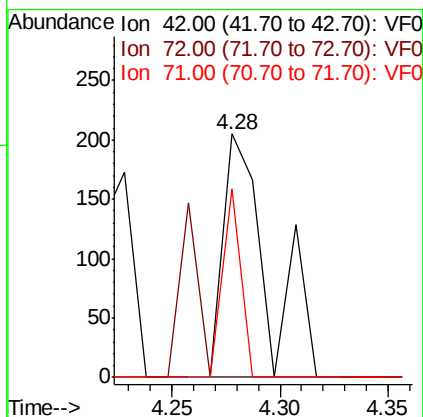
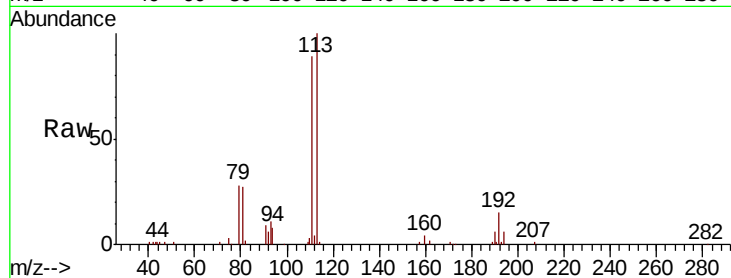
Delta R.T. 0.02 min

Lab File: VF059881.D

Acq: 4 Aug 2018 13:01

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	42	Resp:	296
Ion	Ratio	Lower	Upper
42	100		
72	29.4	29.3	43.9
71	31.8	30.0	45.0



#33

1,2-Dichloroethane-d4

Concen: 60.207 ug/l

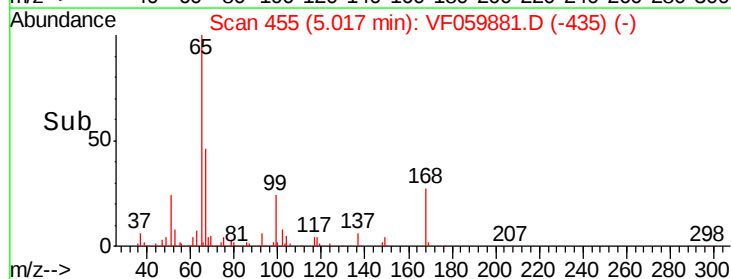
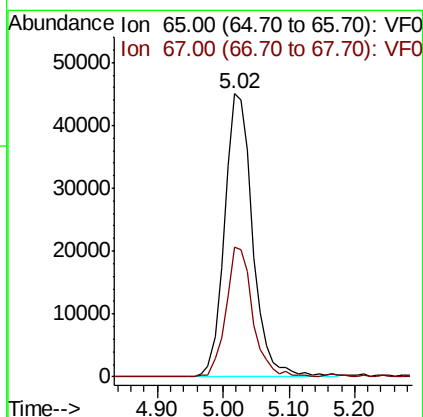
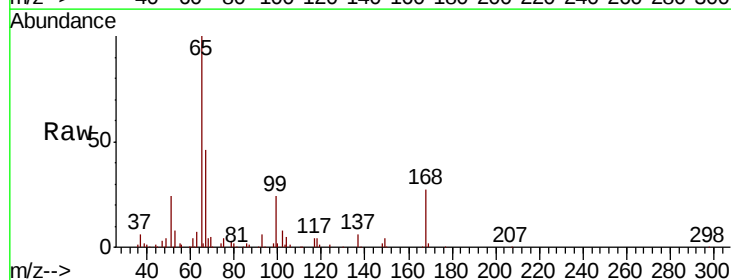
RT: 5.02 min Scan# 455

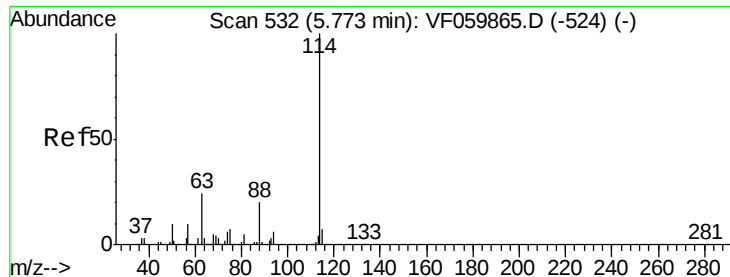
Delta R.T. -0.01 min

Lab File: VF059881.D

Acq: 4 Aug 2018 13:01

Tgt Ion:	65	Resp:	135327
Ion	Ratio	Lower	Upper
65	100		
67	45.8	0.0	77.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF059881.D

Acq: 4 Aug 2018 13:01

Instrument :

MSVOA_F

ClientSampleId :

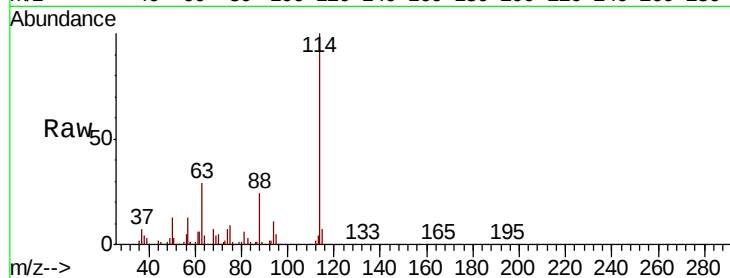
Tot Ion:114 Resp: 172569

Ion Ratio Lower Upper

114 100

63 29.1 0.0 48.0

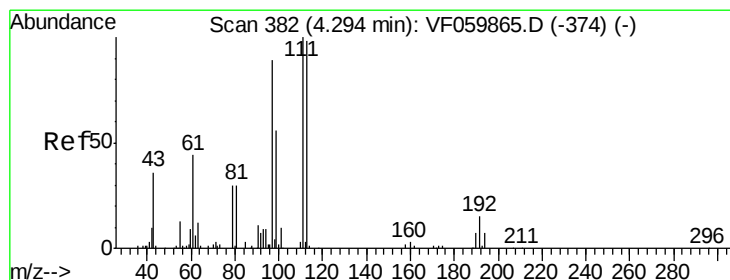
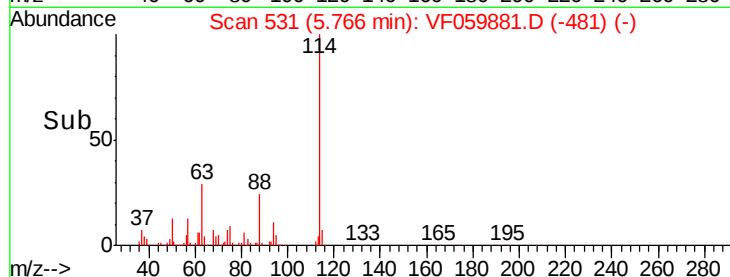
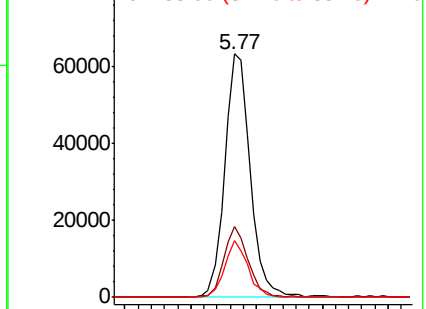
88 23.6 0.0 39.4



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: 62.008 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059881.D

Acq: 4 Aug 2018 13:01

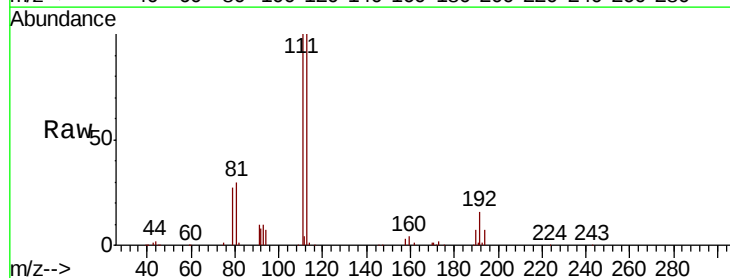
Tgt Ion:113 Resp: 106467

Ion Ratio Lower Upper

113 100

111 100.1 81.8 122.8

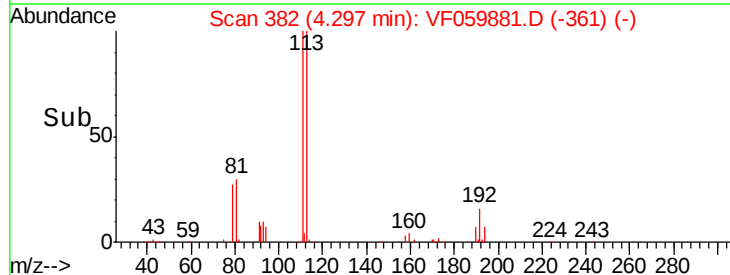
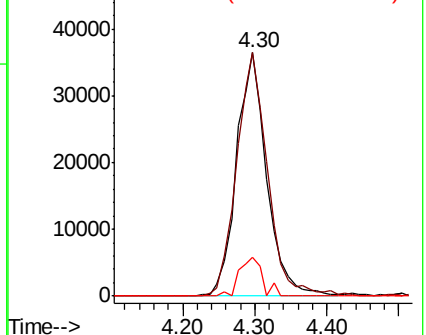
192 16.0 12.4 18.6

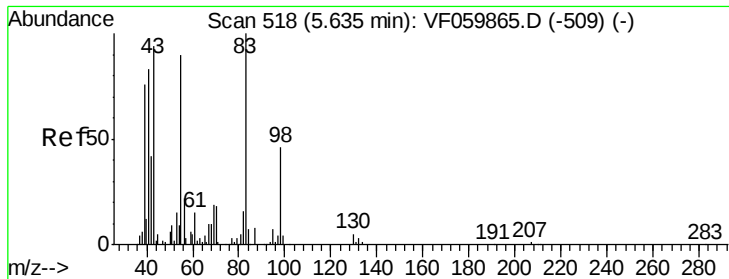


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

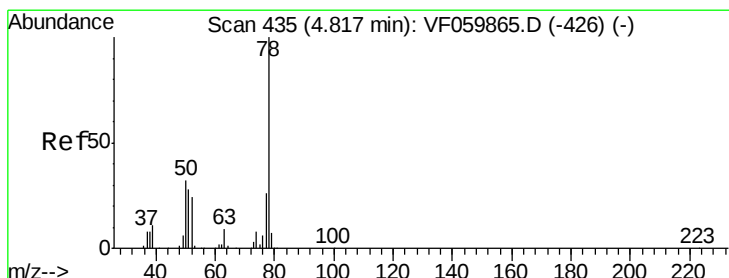
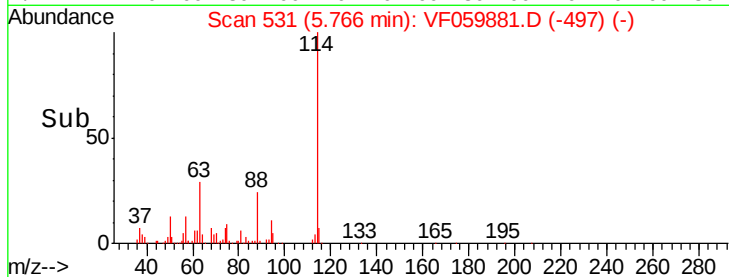
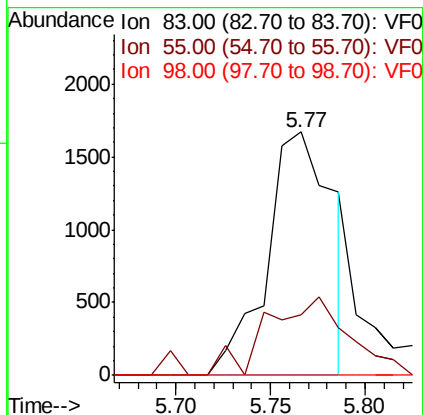
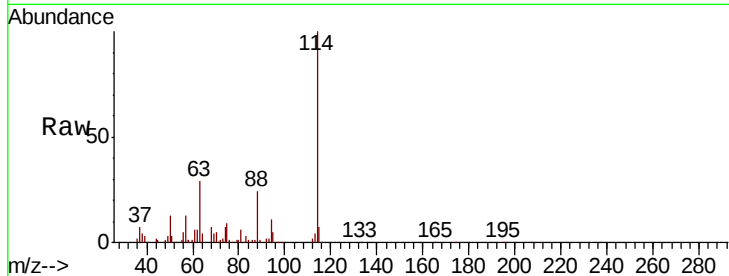




#39
Methvlcvclohexane
Concen: 2.719 ug/l
RT: 5.77 min Scan# 531
Delta R.T. 0.13 min
Lab File: VF059881.D
Acq: 4 Aug 2018 13:01

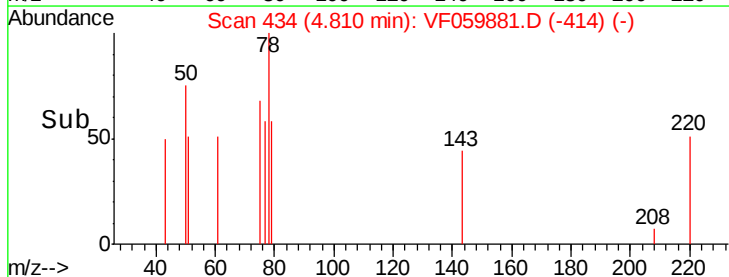
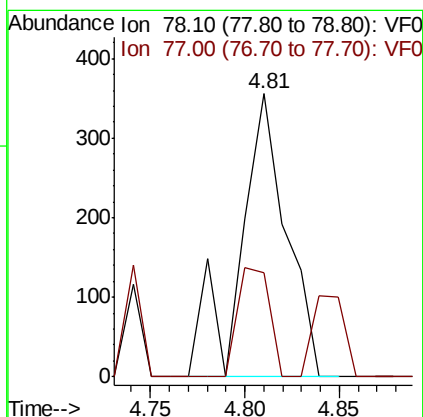
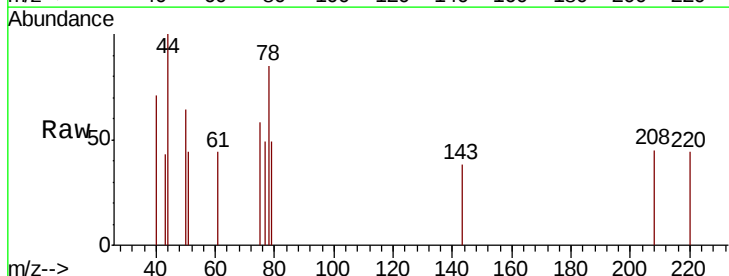
Instrument :
MSVOA_F
ClientSampleId :

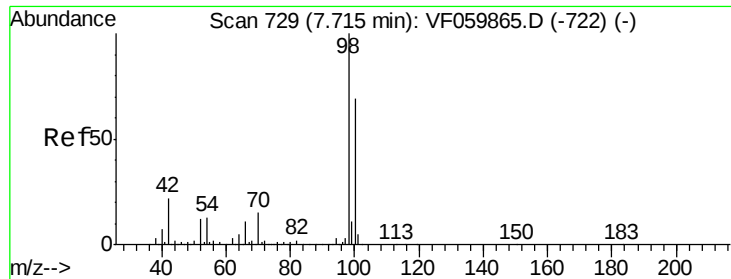
Tot Ion: 83 Resp: 4070
Ion Ratio Lower Upper
83 100
55 25.1 72.0 108.0#
98 0.0 36.6 54.8#



#40
Benzene
Concen: Below Cal
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059881.D
Acq: 4 Aug 2018 13:01

Tgt Ion: 78 Resp: 609
Ion Ratio Lower Upper
78 100
77 36.8 20.7 31.1#

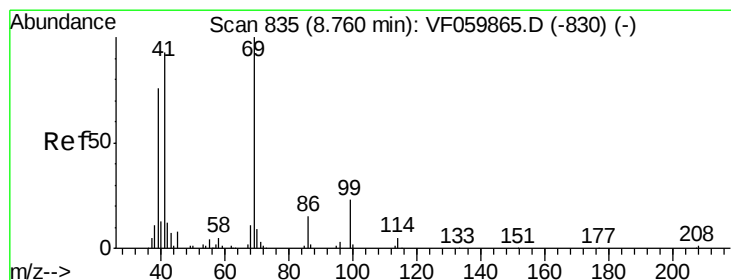
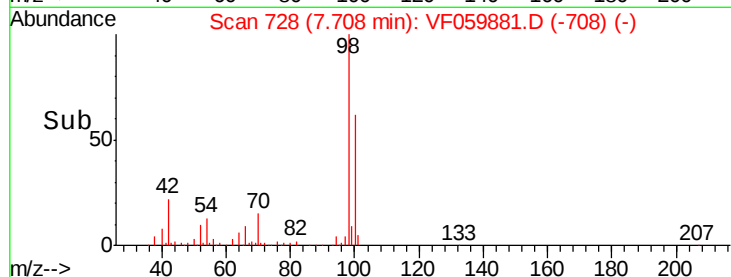
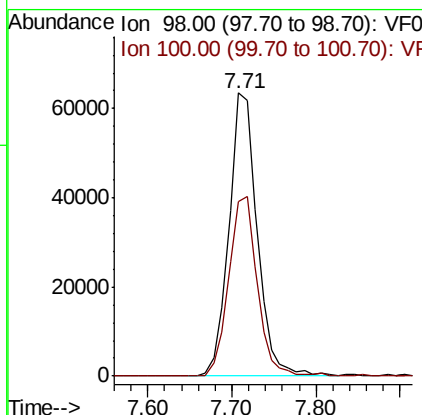
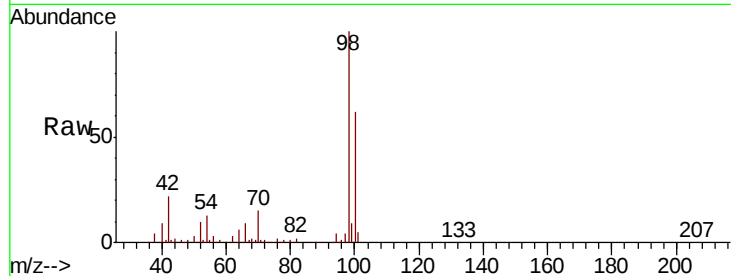




#50
Toluene-d8
Concen: 40.792 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF059881.D
Acq: 4 Aug 2018 13:01

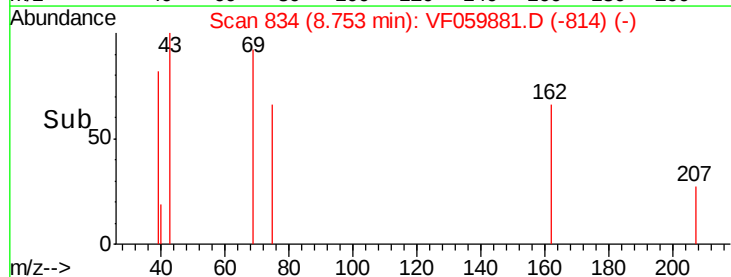
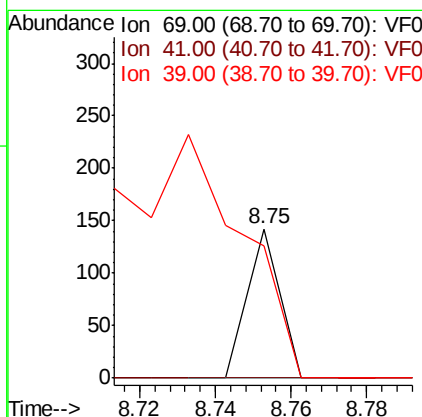
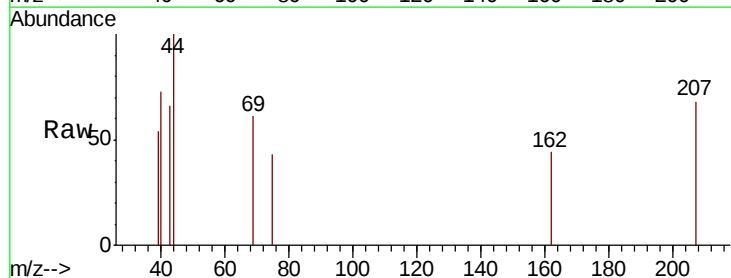
Instrument :
MSVOA_F
ClientSampleId :

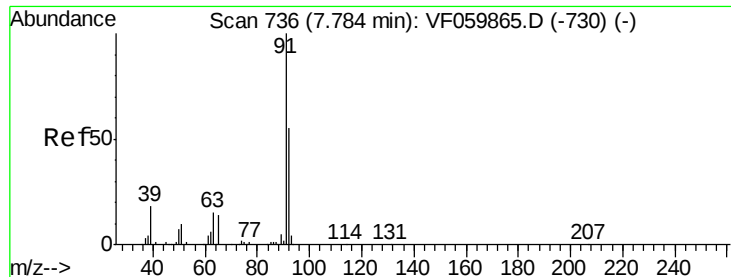
Tot Ion: 98 Resp: 149022
Ion Ratio Lower Upper
98 100
100 61.9 55.0 82.6



#56
Ethyl methacrylate
Concen: 3.435 ug/l
RT: 8.75 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF059881.D
Acq: 4 Aug 2018 13:01

Tgt Ion: 69 Resp: 84
Ion Ratio Lower Upper
69 100
41 0.0 74.7 112.1#
39 88.7 61.1 91.7

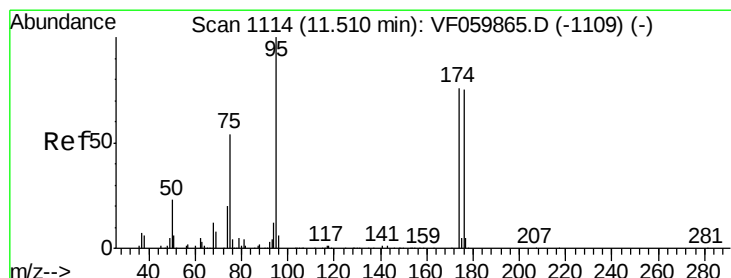
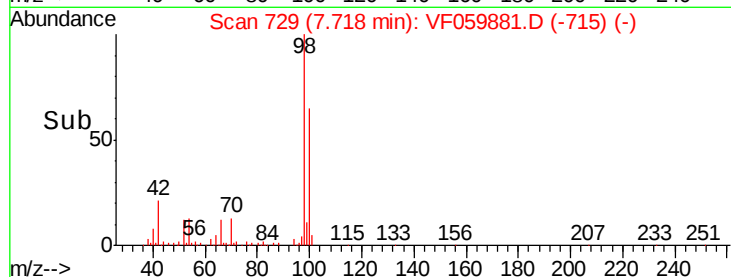
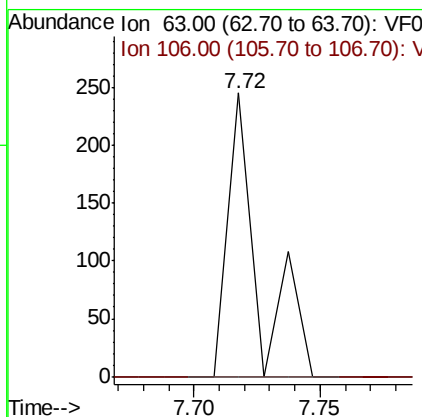
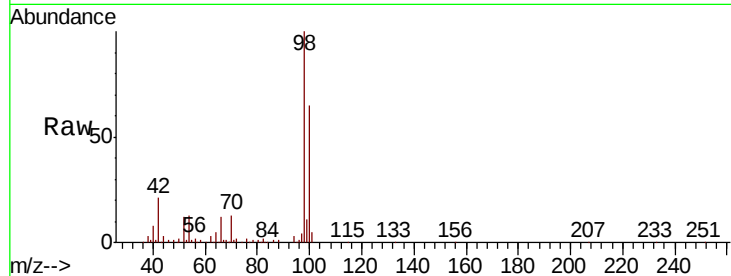




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.741 ug/l
 RT: 7.72 min Scan# 729
 Delta R.T. -0.07 min
 Lab File: VF059881.D
 Acq: 4 Aug 2018 13:01

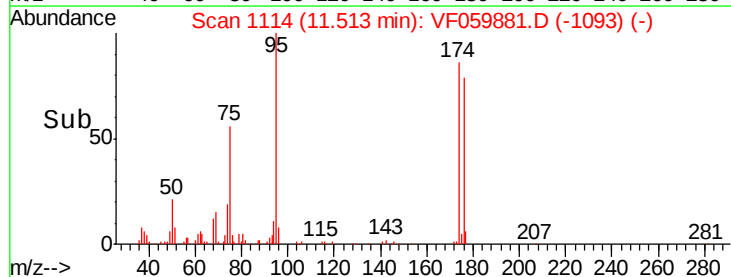
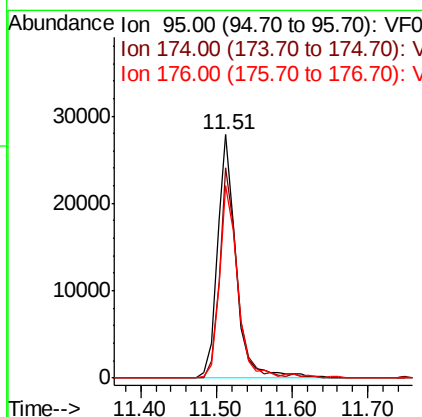
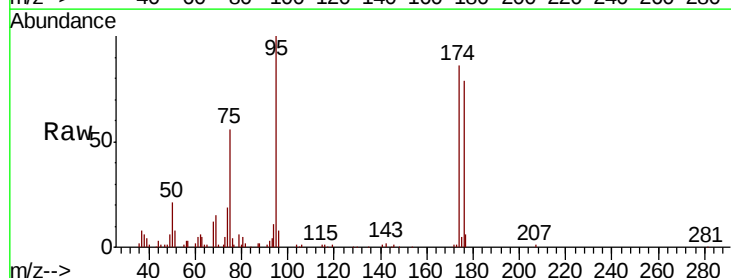
Instrument :
 MSVOA_F
 ClientSampled :

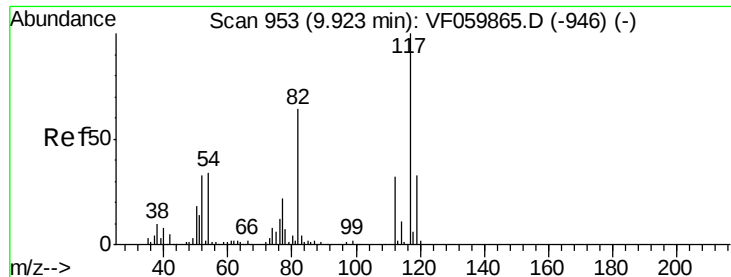
Tot Ion: 63 Resp: 209
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 23.459 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059881.D
 Acq: 4 Aug 2018 13:01

Tgt Ion: 95 Resp: 48158
 Ion Ratio Lower Upper
 95 100
 174 86.2 0.0 151.6
 176 79.2 0.0 149.8

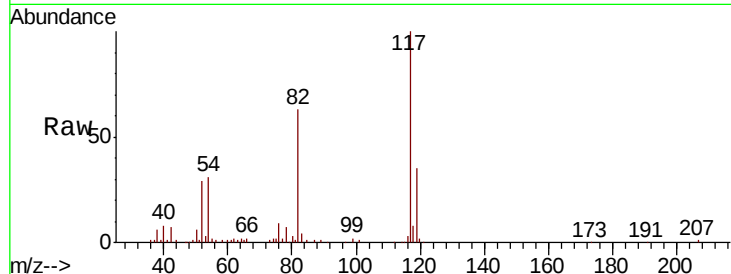




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059881.D
Acq: 4 Aug 2018 13:01

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.6	51.3	76.9
119	34.8	26.4	39.6

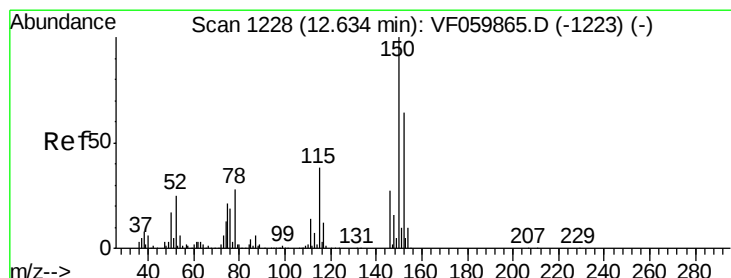
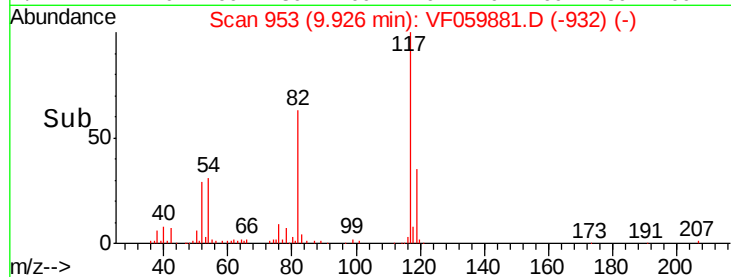
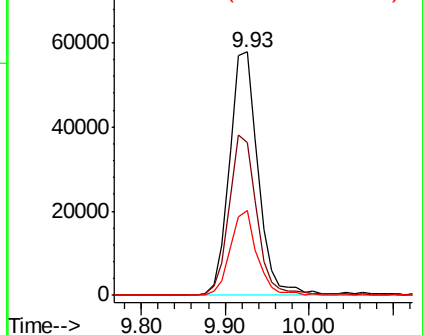


Abundance

Ion 117.00 (116.70 to 117.70): V

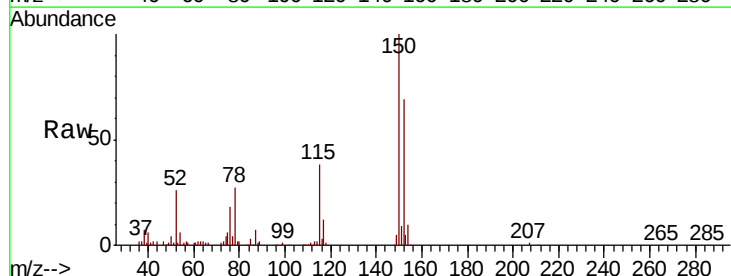
Ion 82.00 (81.70 to 82.70): VF0

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: VF059881.D
Acq: 4 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	29.8	89.4
150	145.9	0.0	315.6

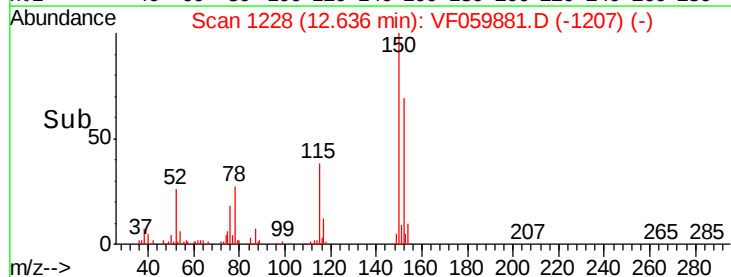
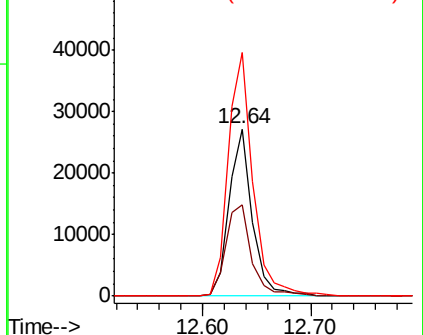


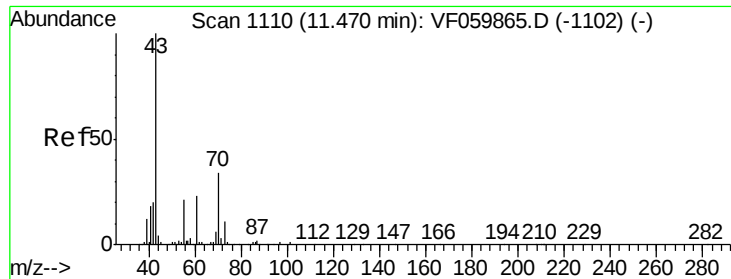
Abundance

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: 3.490 ug/l
 RT: 11.48 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VF059881.D
 Acq: 4 Aug 2018 13:01

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:	43	Resp:	353
Ion	Ratio	Lower	Upper
43	100		
70	0.0	27.5	41.3#
55	0.0	16.6	25.0#
61	0.0	18.2	27.4#

