

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059541.D
 Acq On : 19 Jul 2018 4:34
 Operator : VA/AP
 Sample : J3991-05
 Misc : 4.70u/5mL/MSVOA F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 19 05:56:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

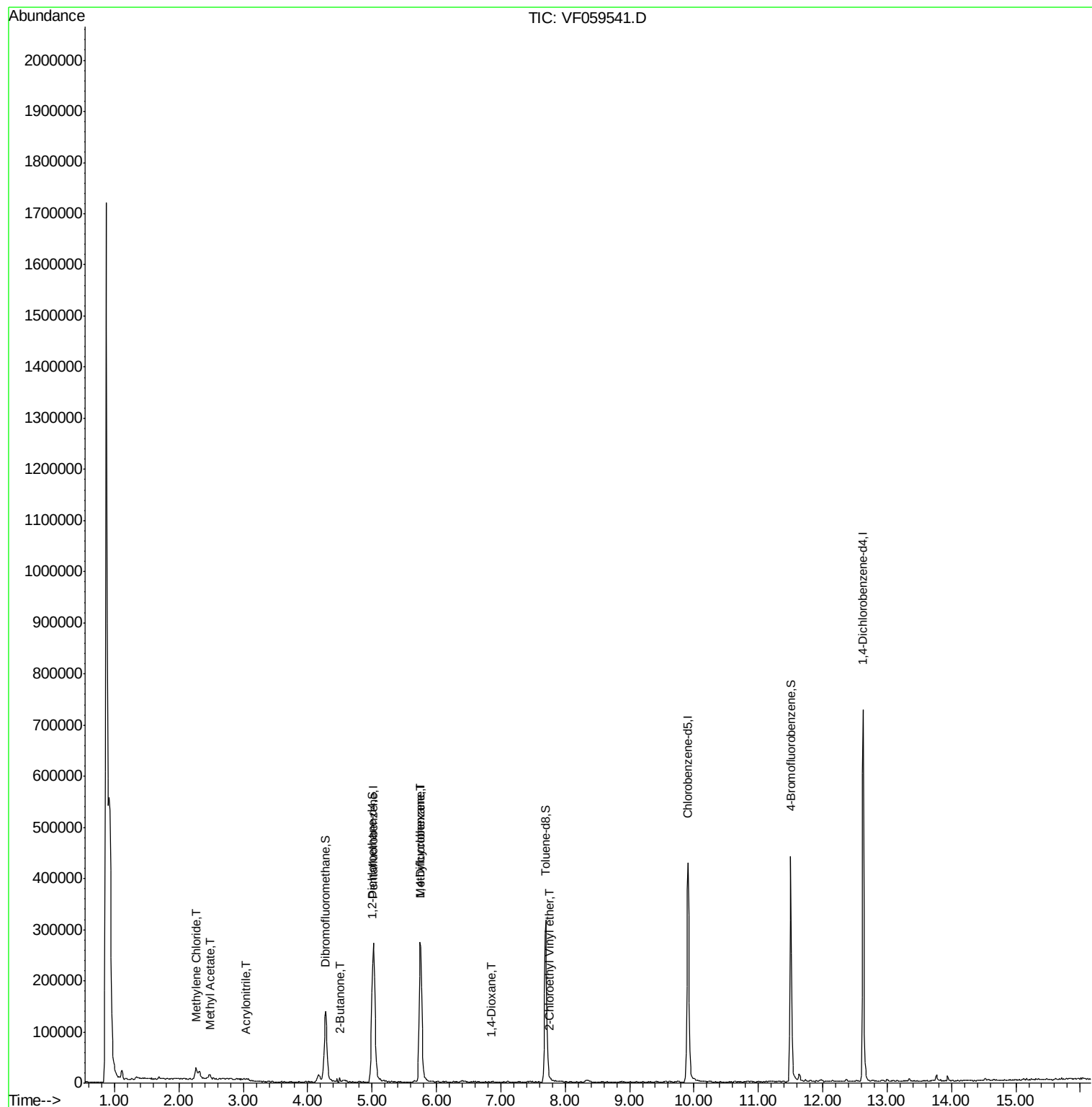
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	181668	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.76	114	286311	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	299781	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	191822	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	137752	48.76	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	97.52%	
35) Dibromofluoromethane	4.28	113	124963	50.39	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	100.78%	
50) Toluene-d8	7.70	98	259678	41.57	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	83.14%	
62) 4-Bromofluorobenzene	11.50	95	151645	46.28	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	92.56%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.66	59	345	Below Cal	#	74
13) Acrolein	2.04	56	329	Below Cal		88
15) Acrylonitrile	3.04	53	597	2.518	ug/l #	52
16) Acetone	2.33	43	5262	Below Cal	#	83
18) Methyl Acetate	2.48	43	3591	1.213	ug/l #	67
20) Methylene Chloride	2.27	84	9916	3.518	ug/l #	82
25) 2-Butanone	4.50	43	1094	1.668	ug/l #	60
29) Tetrahydrofuran	4.23	42	407	Below Cal	#	76
37) Ethyl Acetate	4.27	43	551	Below Cal	#	10
39) Methylcyclohexane	5.75	83	3744	1.721	ug/l #	40
49) 1,4-Dioxane	6.84	88	130	2.854	ug/l #	15
58) 2-Chloroethyl Vinyl ether	7.76	63	370	2.163	ug/l	100

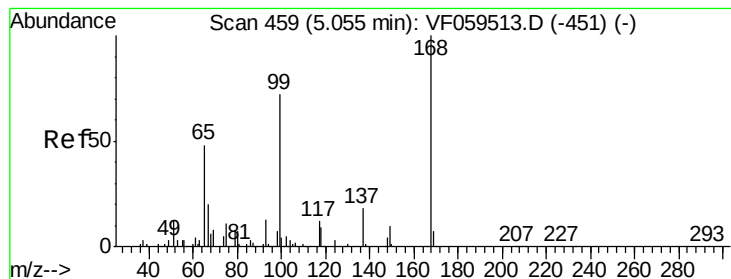
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071818\
Data File : VF059541.D
Acq On : 19 Jul 2018 4:34
Operator : VA/AP
Sample : J3991-05
Misc : 4.70µ/5mL/MSVOA F/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jul 19 05:56:08 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.03 min

Lab File: VF059541.D

Acq: 19 Jul 2018 4:34

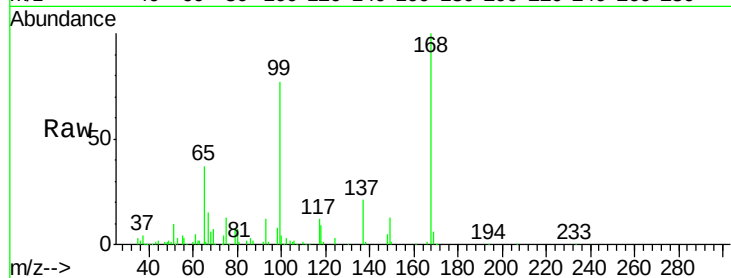
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 181668

Ion Ratio Lower Upper

168 100

99 77.2 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

60000

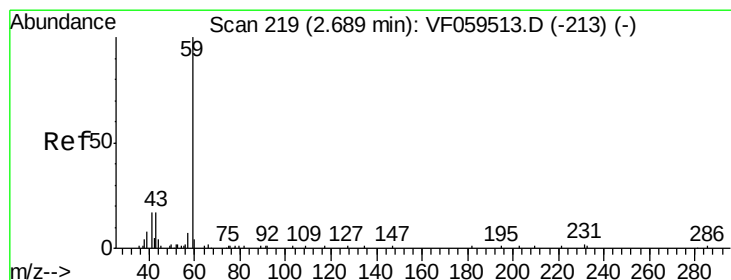
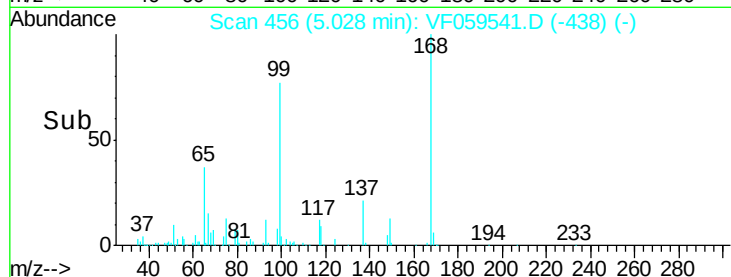
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.66 min Scan# 216

Delta R.T. -0.03 min

Lab File: VF059541.D

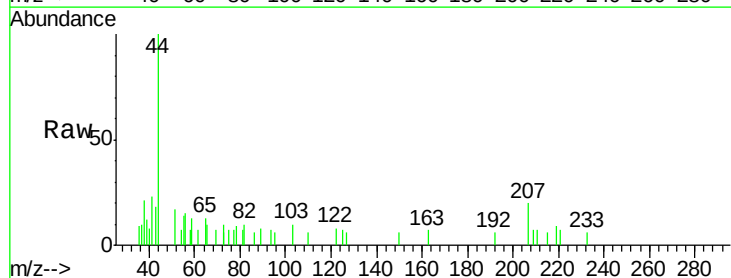
Acq: 19 Jul 2018 4:34

Tgt Ion: 59 Resp: 345

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.66

300

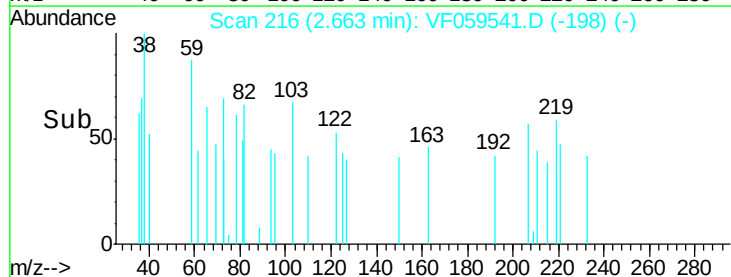
200

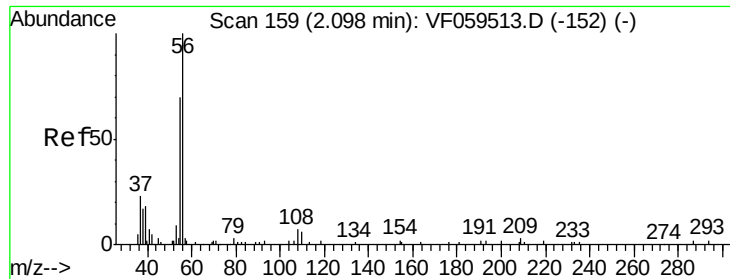
100

0

Time-->

2.64 2.66 2.68 2.70

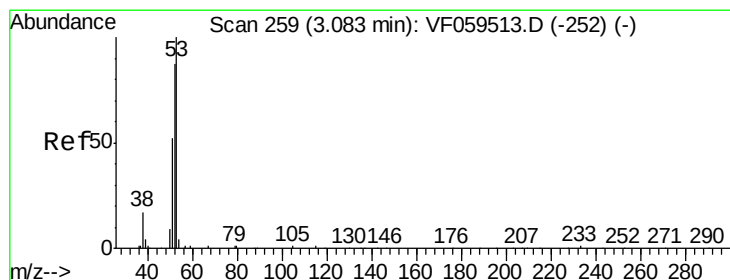
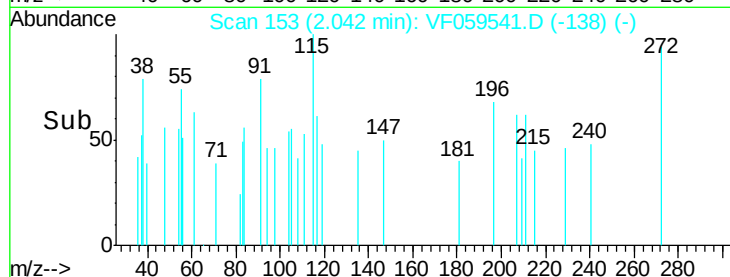
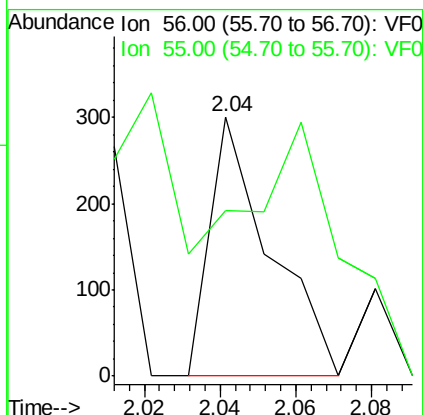
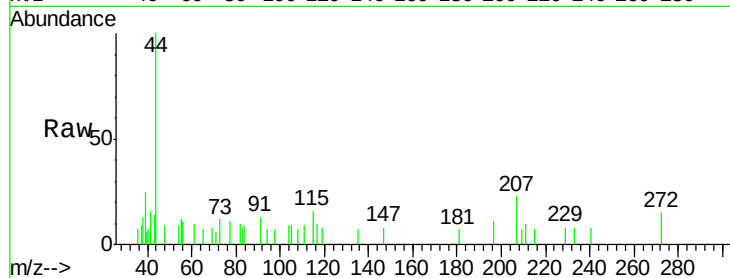




#13
Acrolein
Concen: Below Cal
RT: 2.04 min Scan# 153
Delta R.T. -0.06 min
Lab File: VF059541.D
Acq: 19 Jul 2018 4:34

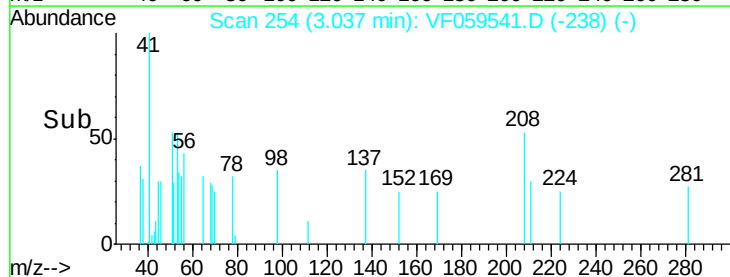
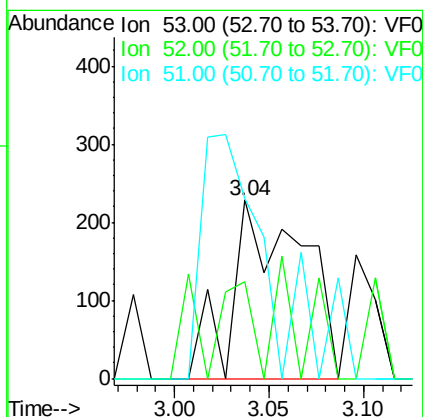
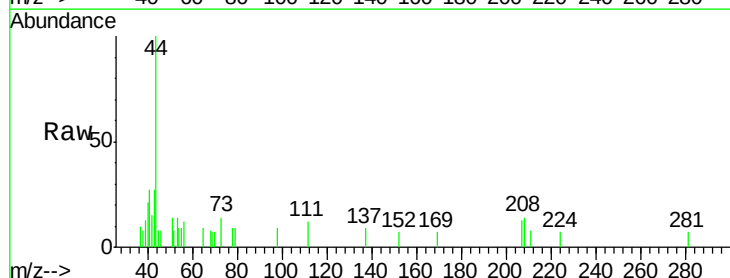
Instrument :
MSVOA_F
ClientSampled :

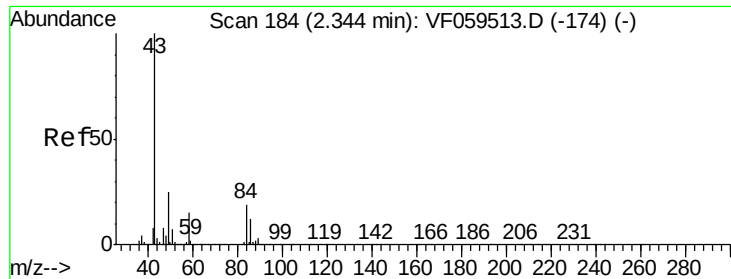
Tot Ion: 56 Resp: 329
Ion Ratio Lower Upper
56 100
55 63.8 59.4 89.2



#15
Acrylonitrile
Concen: 2.518 ug/l
RT: 3.04 min Scan# 254
Delta R.T. -0.05 min
Lab File: VF059541.D
Acq: 19 Jul 2018 4:34

Tgt Ion: 53 Resp: 597
Ion Ratio Lower Upper
53 100
52 54.4 70.1 105.1#
51 100.9 42.5 63.7#

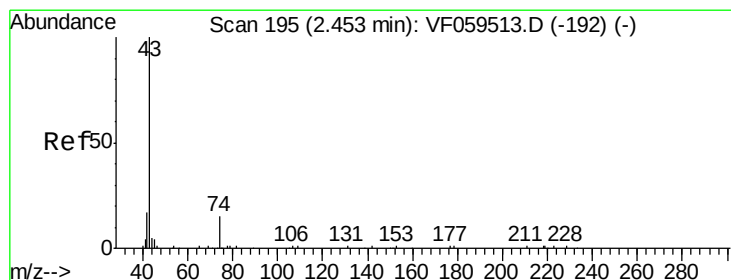
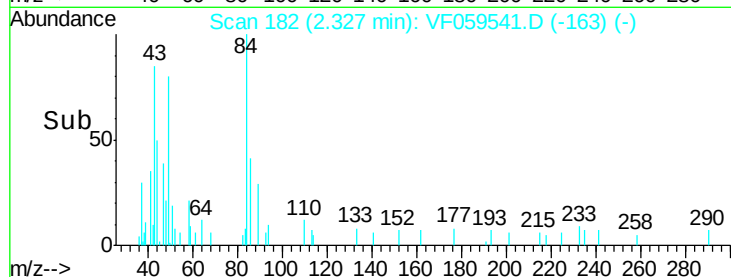
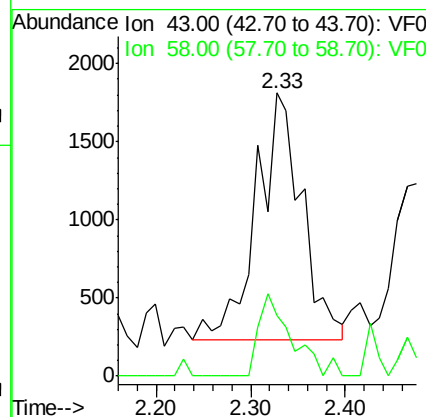
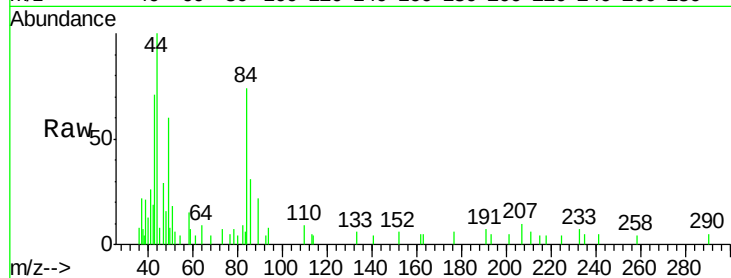




#16
Acetone
Concen: Below Cal
RT: 2.33 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF059541.D
Acq: 19 Jul 2018 4:34

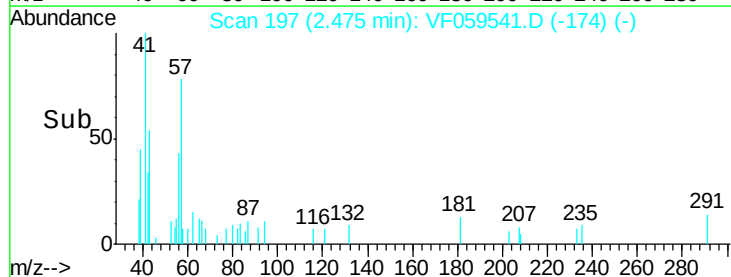
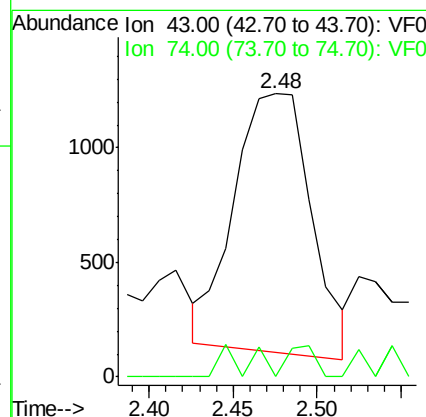
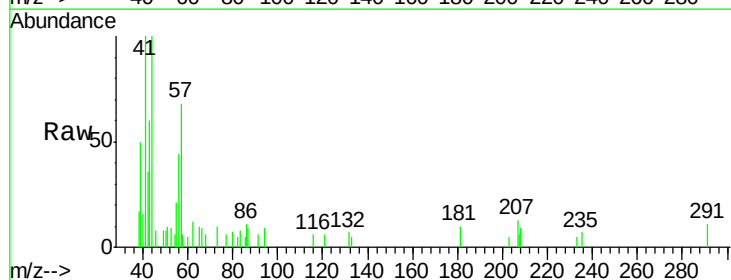
Instrument :
MSVOA_F
ClientSampleId :

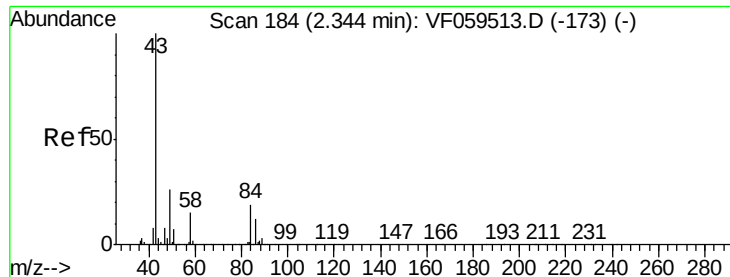
Tot Ion: 43 Resp: 5262
Ion Ratio Lower Upper
43 100
58 21.6 11.8 17.6#



#18
Methyl Acetate
Concen: 1.213 ug/l
RT: 2.48 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF059541.D
Acq: 19 Jul 2018 4:34

Tgt Ion: 43 Resp: 3591
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#

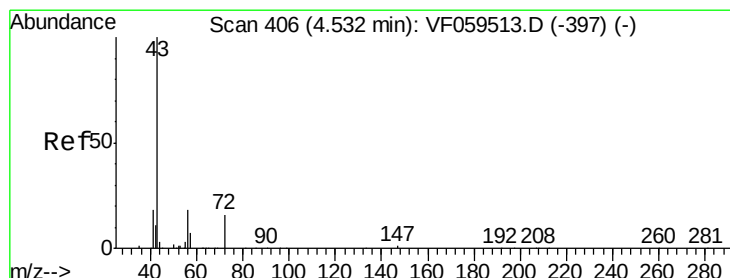
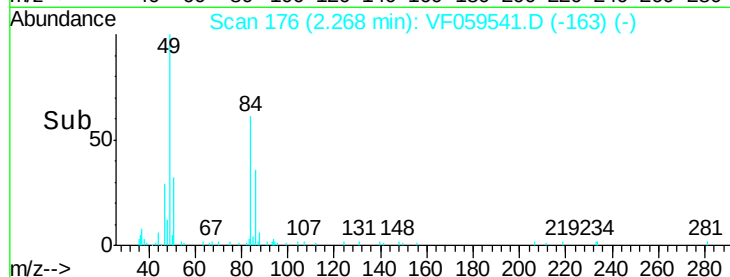
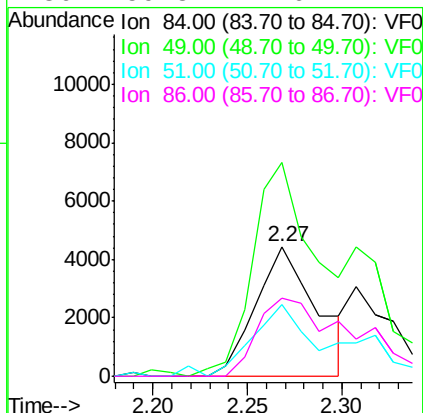
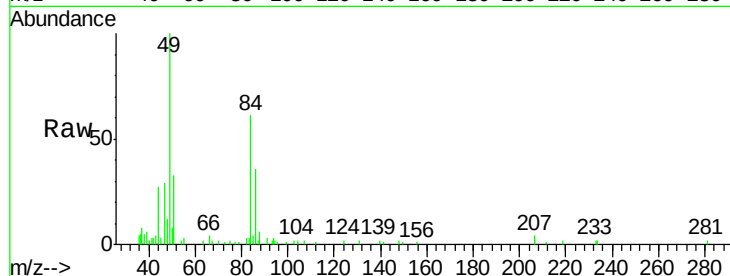




#20
Methvlene Chloride
Concen: 3.518 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.08 min
Lab File: VF059541.D
Acq: 19 Jul 2018 4:34

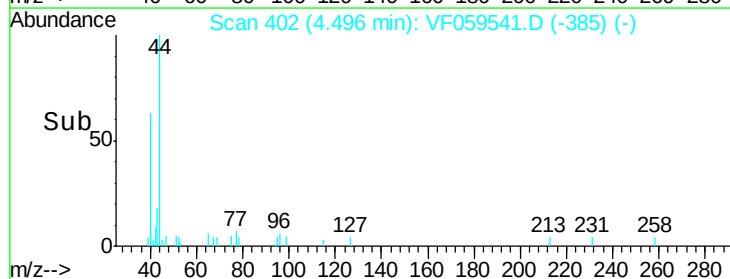
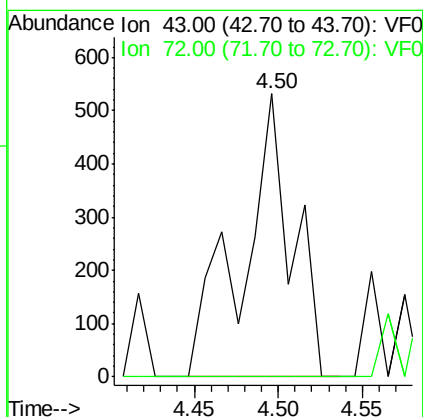
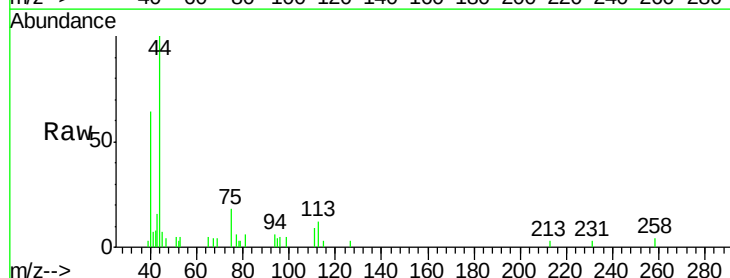
Instrument :
MSVOA_F
ClientSampleId :

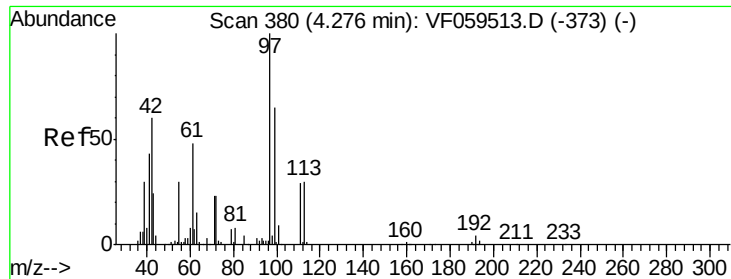
Tot Ion: 84 Resp: 9916
Ion Ratio Lower Upper
84 100
49 164.5 109.4 164.2#
51 54.8 30.5 45.7#
86 59.8 47.6 71.4



#25
2-Butanone
Concen: 1.668 ug/l
RT: 4.50 min Scan# 402
Delta R.T. -0.04 min
Lab File: VF059541.D
Acq: 19 Jul 2018 4:34

Tgt Ion: 43 Resp: 1094
Ion Ratio Lower Upper
43 100
72 0.0 14.2 21.4#

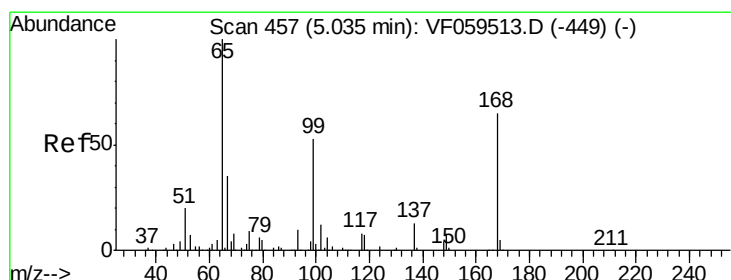
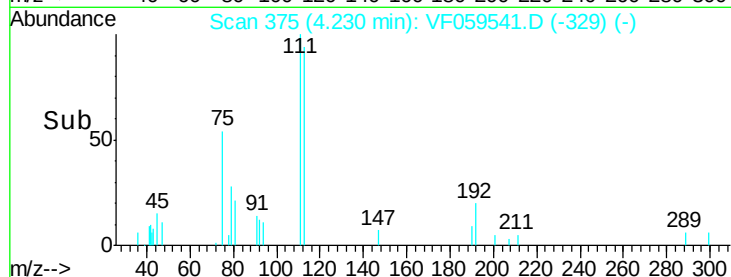
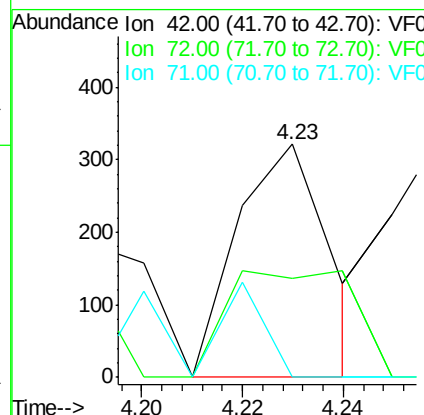
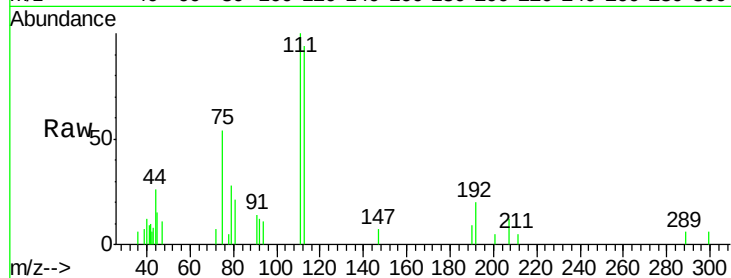




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.23 min Scan# 375
Delta R.T. -0.05 min
Lab File: VF059541.D
Acq: 19 Jul 2018 4:34

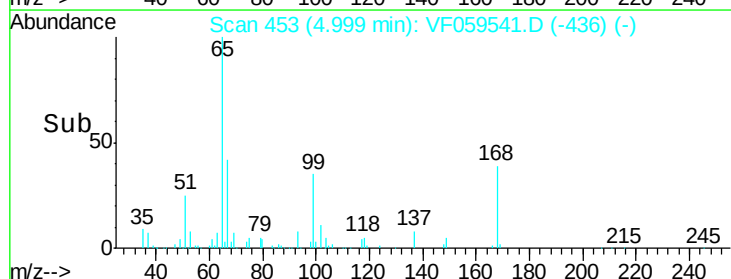
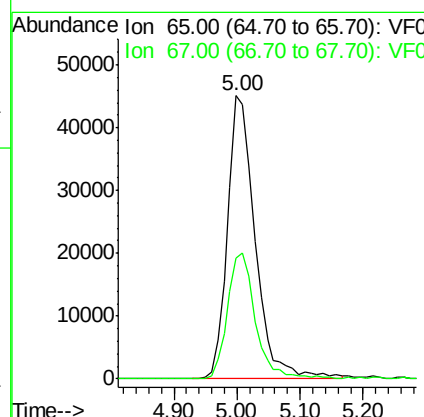
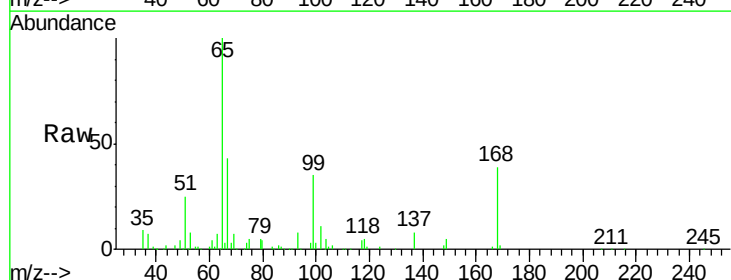
Instrument :
MSVOA_F
ClientSampleId :

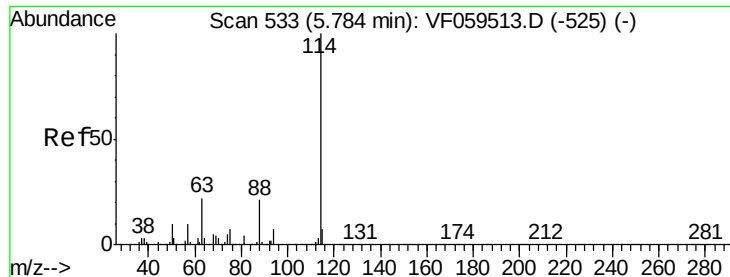
Tot Ion: 42 Resp: 407
Ion Ratio Lower Upper
42 100
72 62.4 28.7 43.1#
71 36.4 30.8 46.2



#33
1,2-Dichloroethane-d4
Concen: 48.755 ug/l
RT: 5.00 min Scan# 453
Delta R.T. -0.04 min
Lab File: VF059541.D
Acq: 19 Jul 2018 4:34

Tgt Ion: 65 Resp: 137752
Ion Ratio Lower Upper
65 100
67 42.6 0.0 91.2

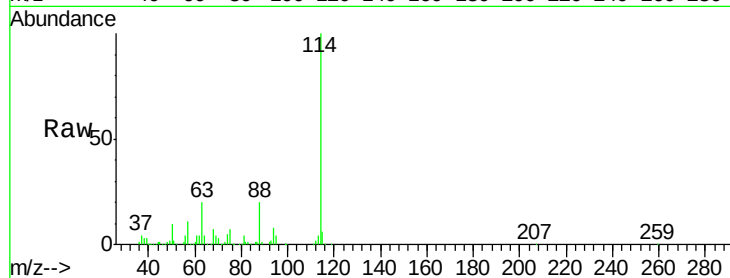




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VF059541.D
 Acq: 19 Jul 2018 4:34

Instrument :
 MSVOA_F
 ClientSampleId :

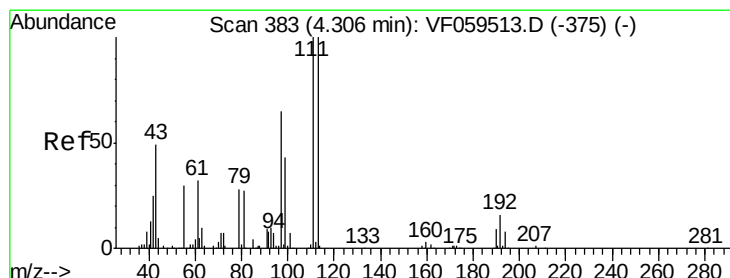
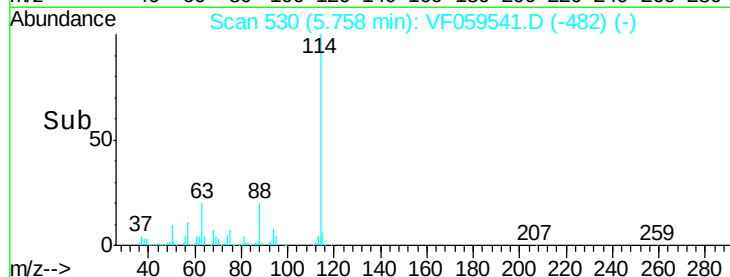
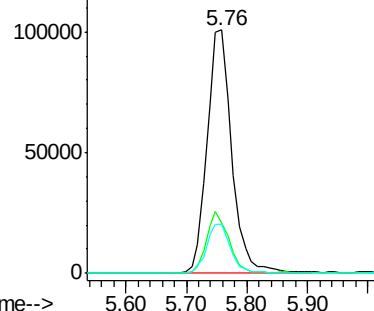
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	44.8
88	20.3	0.0	42.6



Abundance Ion 114.00 (113.70 to 114.70): V

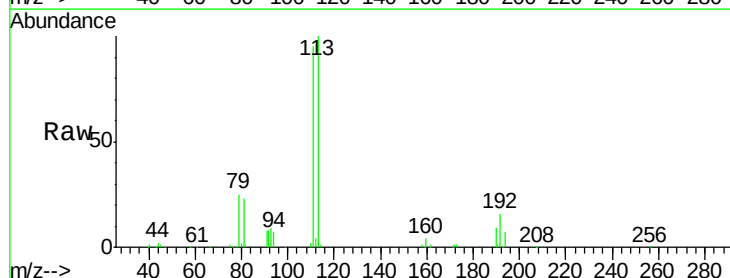
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35
 Dibromofluoromethane
 Concen: 50.395 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.03 min
 Lab File: VF059541.D
 Acq: 19 Jul 2018 4:34

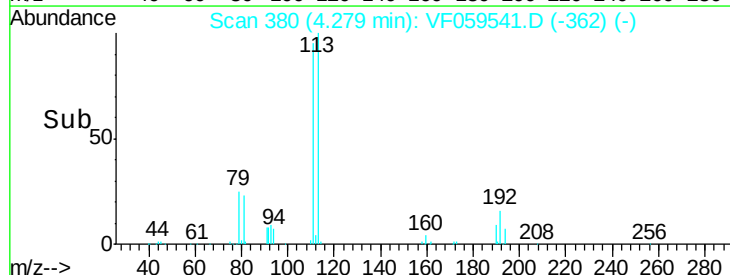
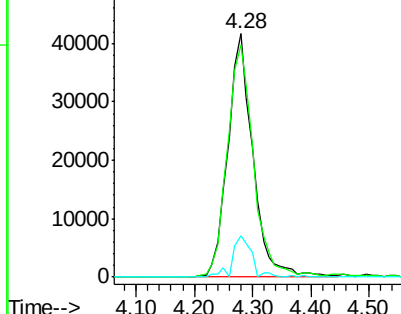
Tgt Ion	Ratio	Lower	Upper
113	100		
111	95.1	80.3	120.5
192	16.8	13.1	19.7

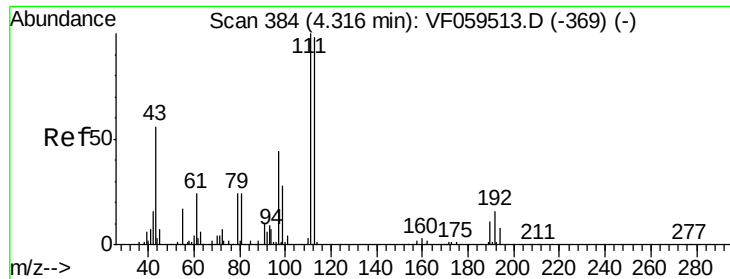


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

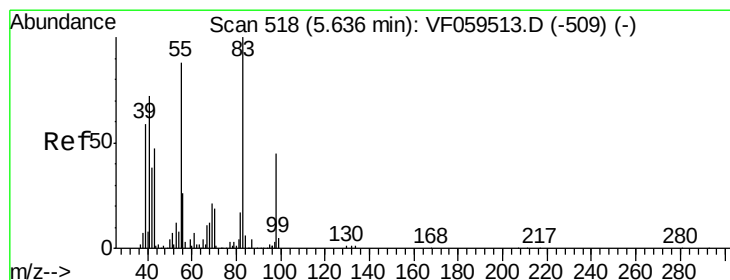
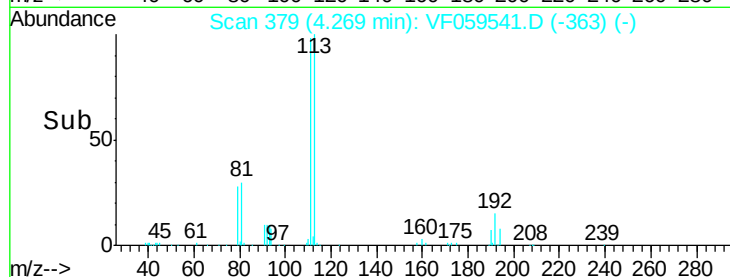
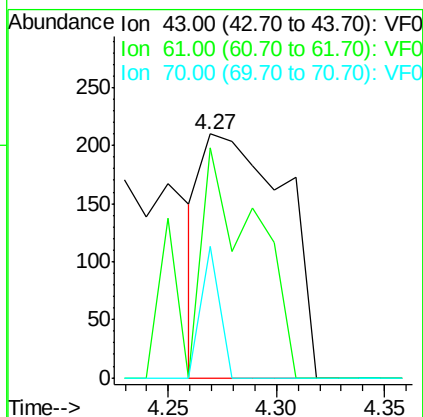
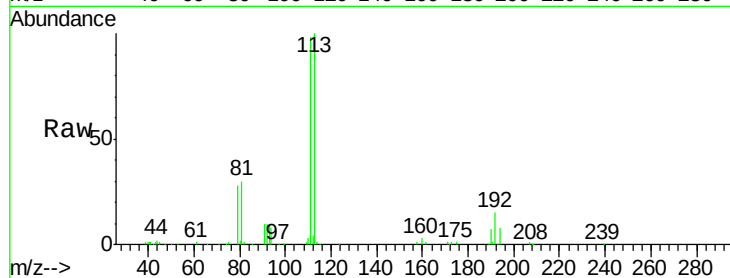




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. -0.05 min
Lab File: VF059541.D
Acq: 19 Jul 2018 4:34

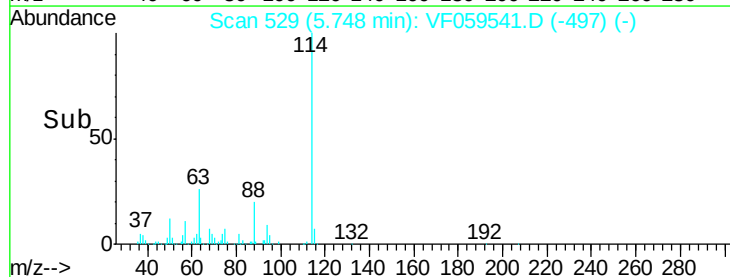
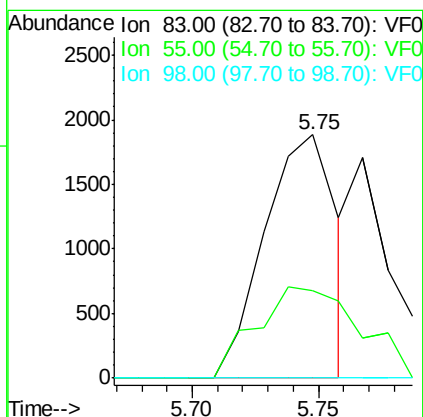
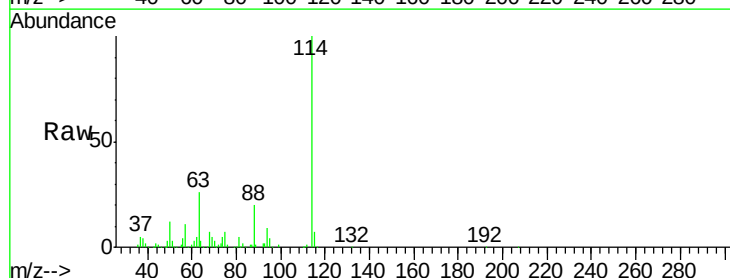
Instrument :
MSVOA_F
ClientSampled :

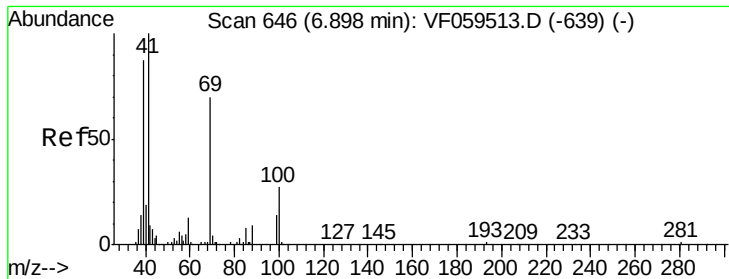
Tot Ion: 43 Resp: 551
Ion Ratio Lower Upper
43 100
61 94.3 33.7 50.5#
70 53.8 7.4 11.0#



#39
Methylcyclohexane
Concen: 1.721 ug/l
RT: 5.75 min Scan# 529
Delta R.T. 0.11 min
Lab File: VF059541.D
Acq: 19 Jul 2018 4:34

Tgt Ion: 83 Resp: 3744
Ion Ratio Lower Upper
83 100
55 35.8 70.2 105.4#
98 0.0 36.2 54.2#





#49

1,4-Dioxane

Concen: 2.854 ug/l

RT: 6.84 min Scan# 640

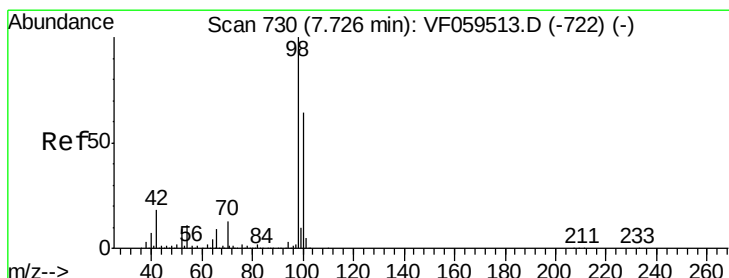
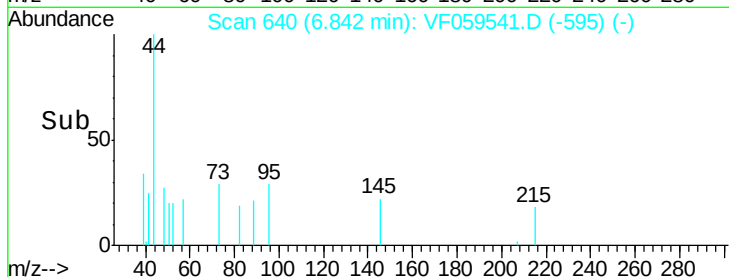
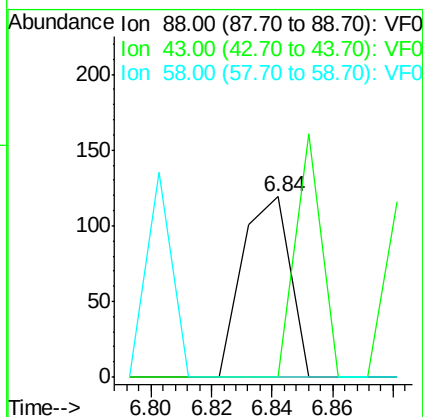
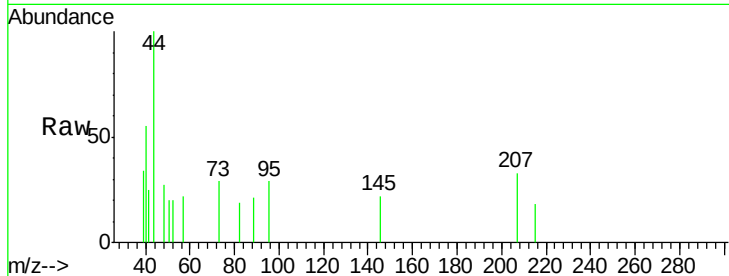
Delta R.T. -0.06 min

Lab File: VF059541.D

Acq: 19 Jul 2018 4:34

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	88	Resp:	130
Ion	Ratio	Lower	Upper
88	100		
43	0.0	64.8	97.2#
58	0.0	44.1	66.1#



#50

Toluene-d8

Concen: 41.574 ug/l

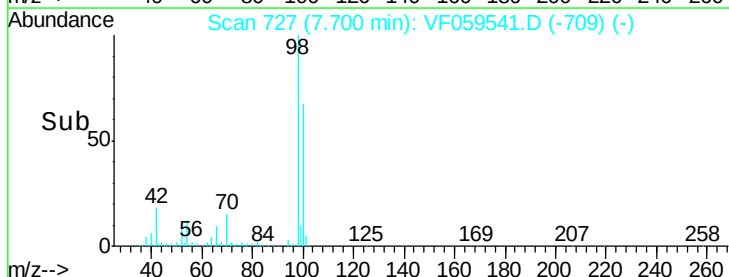
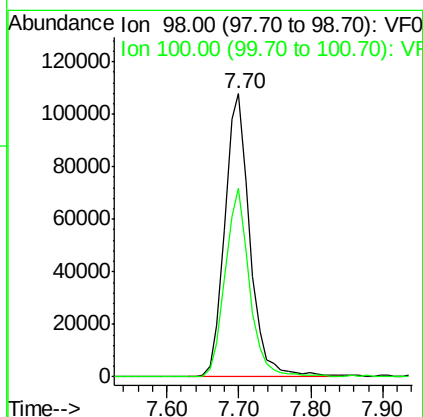
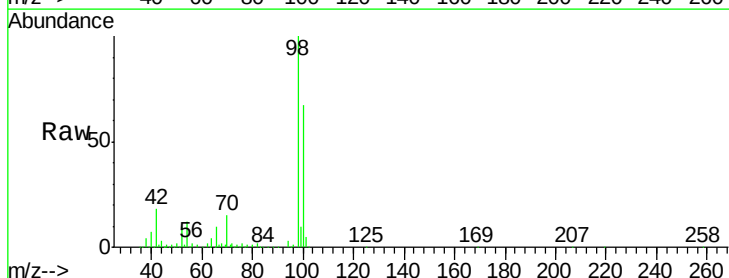
RT: 7.70 min Scan# 727

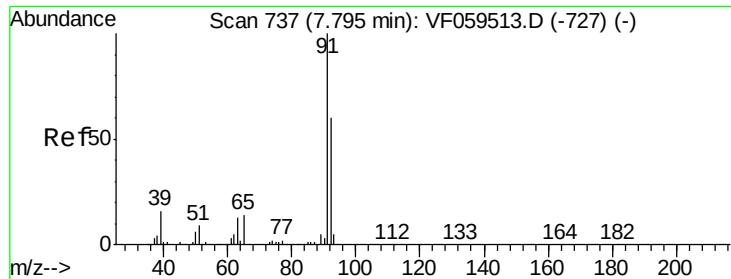
Delta R.T. -0.03 min

Lab File: VF059541.D

Acq: 19 Jul 2018 4:34

Tgt Ion:	98	Resp:	259678
Ion	Ratio	Lower	Upper
98	100		
100	66.5	50.9	76.3

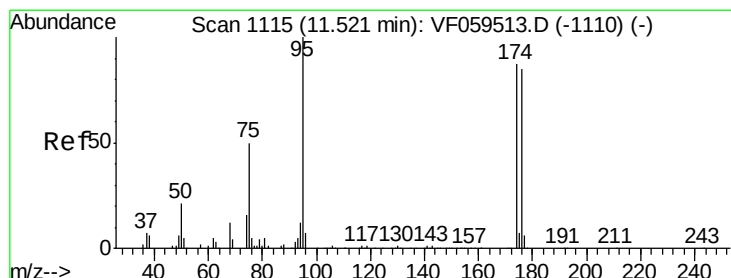
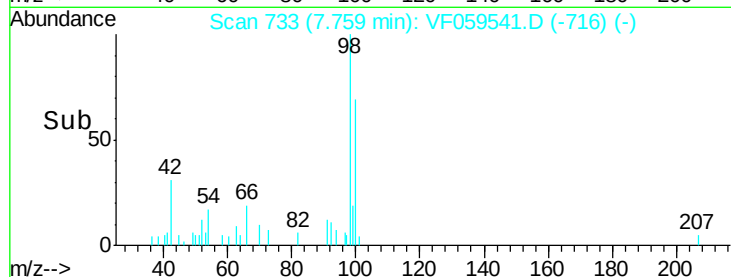
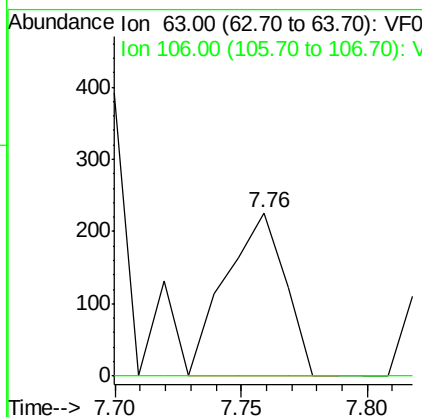
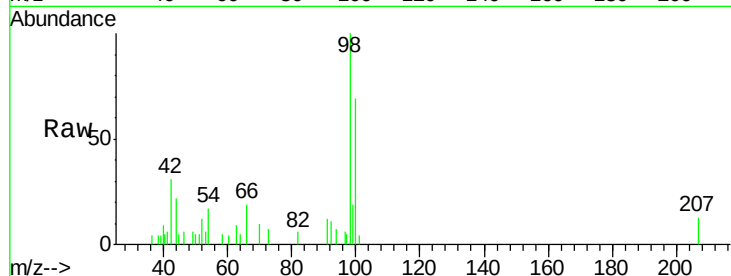




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.163 ug/l
 RT: 7.76 min Scan# 733
 Delta R.T. -0.04 min
 Lab File: VF059541.D
 Acq: 19 Jul 2018 4:34

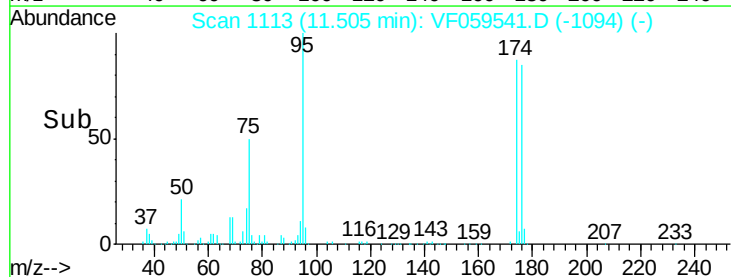
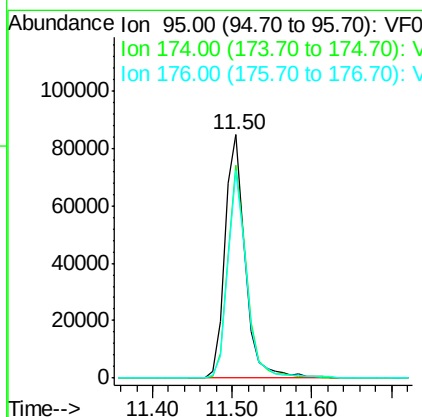
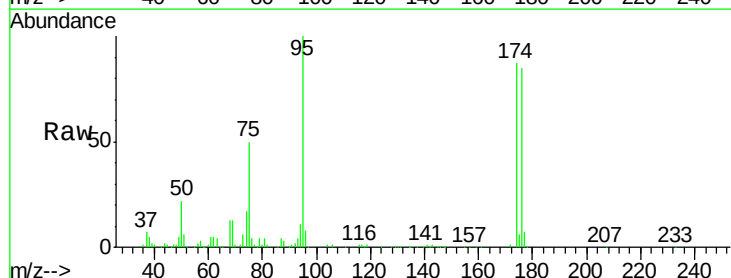
Instrument :
 MSVOA_F
 ClientSampleId :

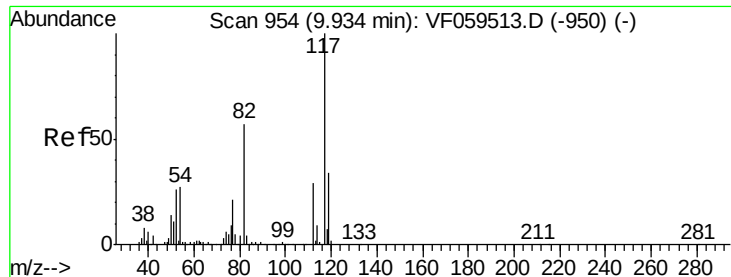
Tot Ion: 63 Resp: 370
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 46.280 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.02 min
 Lab File: VF059541.D
 Acq: 19 Jul 2018 4:34

Tgt Ion: 95 Resp: 151645
 Ion Ratio Lower Upper
 95 100
 174 87.5 0.0 174.4
 176 85.2 0.0 169.4

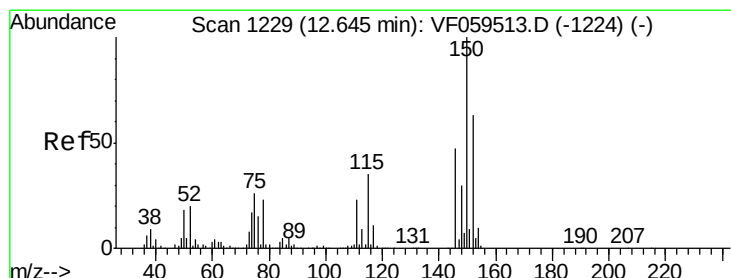
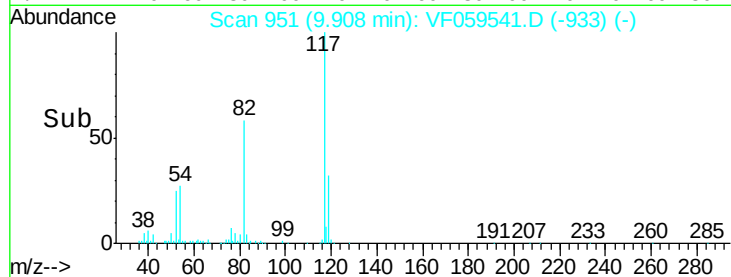
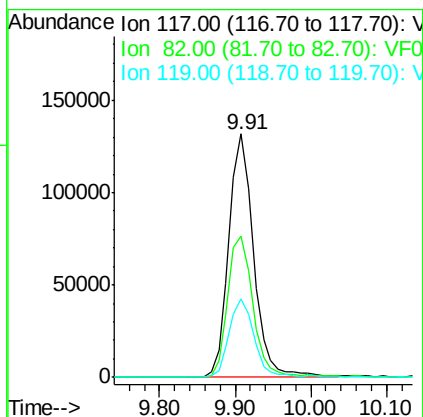
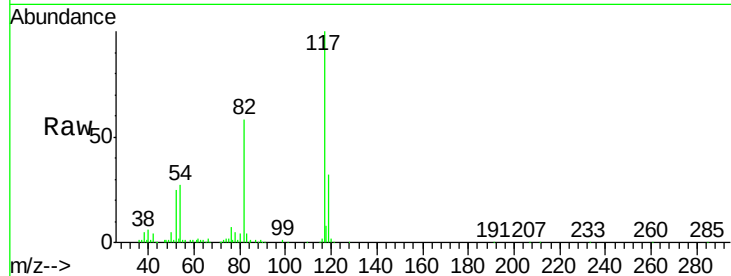




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF059541.D
Acq: 19 Jul 2018 4:34

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.1	69.1
119	32.2	27.2	40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VF059541.D
Acq: 19 Jul 2018 4:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.8	83.3
150	151.6	0.0	318.4

