

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059544.D
 Acq On : 19 Jul 2018 7:18
 Operator : VA/AP
 Sample : VF0719SBL01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBL01

Quant Time: Jul 19 07:43:47 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	231025	50.00	µg/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	344130	50.00	µg/l	-0.02
63) Chlorobenzene-d5	9.91	117	344001	50.00	µg/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	225097	50.00	µg/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	204316	56.86	µg/l	-0.02
Spiked Amount	50.000			Recovery	=	113.72%
35) Dibromofluoromethane	4.28	113	167822	56.31	µg/l	-0.02
Spiked Amount	50.000			Recovery	=	112.62%
50) Toluene-d8	7.70	98	371438	49.48	µg/l	-0.02
Spiked Amount	50.000			Recovery	=	98.96%
62) 4-Bromofluorobenzene	11.51	95	212739	54.02	µg/l	-0.01
Spiked Amount	50.000			Recovery	=	108.04%

Target Compounds

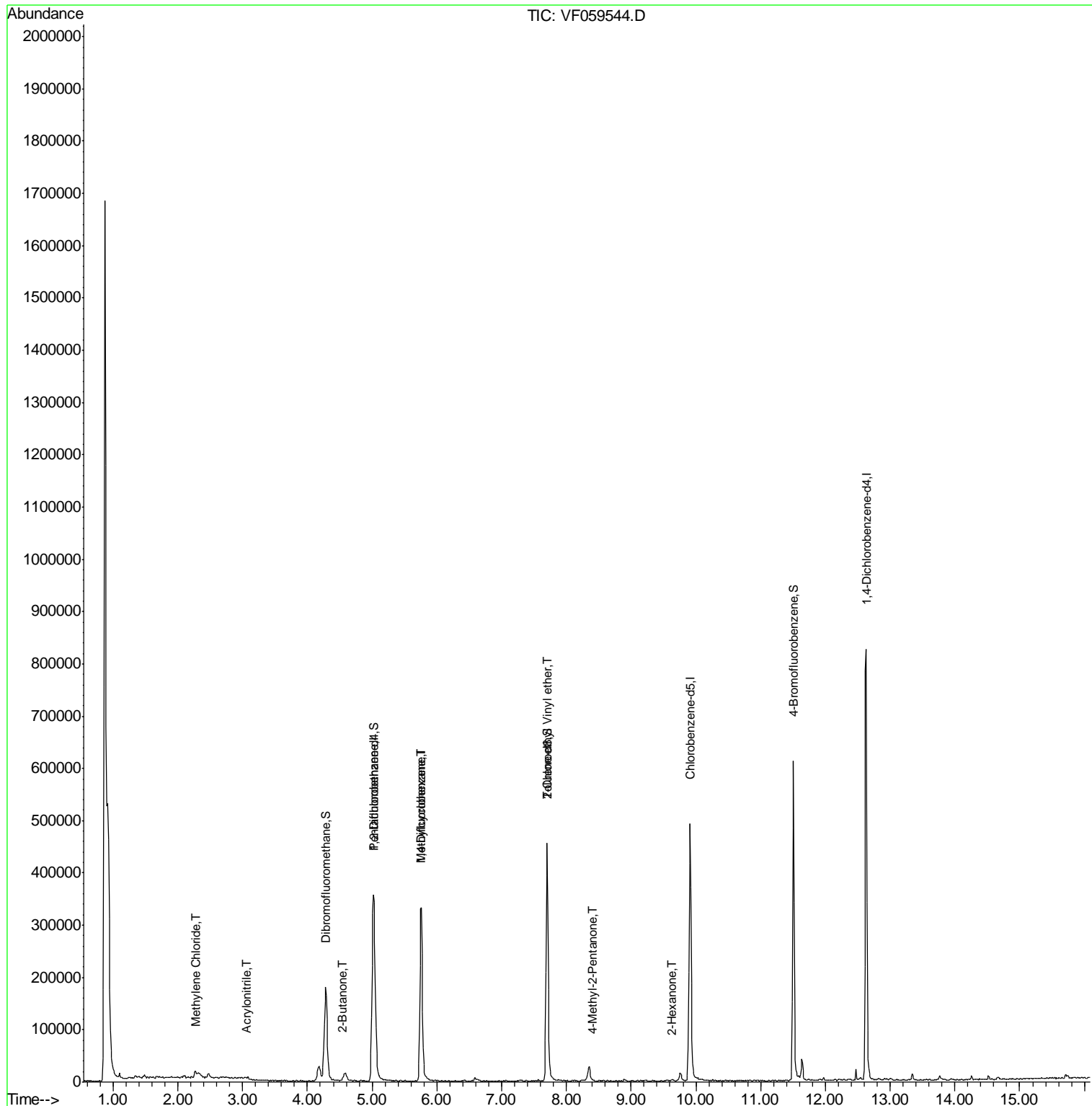
	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.67	59	578	Below Cal	#	74
13) Acrolein	2.06	56	384	Below Cal		87
15) Acrylonitrile	3.06	53	373	1.237	µg/l #	51
16) Acetone	2.33	43	6180	Below Cal	#	78
18) Methyl Acetate	2.48	43	2860	Below Cal	#	90
20) Methylene Chloride	2.26	84	9283	1.259	µg/l #	89
25) 2-Butanone	4.54	43	1691	2.027	µg/l #	60
29) Tetrahydrofuran	4.26	42	263	Below Cal	#	59
37) Ethyl Acetate	4.32	43	114	Below Cal	#	41
39) Methylcyclohexane	5.75	83	5217	1.996	µg/l #	43
49) 1,4-Dioxane	6.81	88	72	Below Cal	#	37
51) 4-Methyl-2-Pentanone	8.40	43	1864	1.062	µg/l #	86
58) 2-Chloroethyl Vinyl ether	7.70	63	345	1.678	µg/l	100
59) 2-Hexanone	9.62	43	1769	1.334	µg/l	86

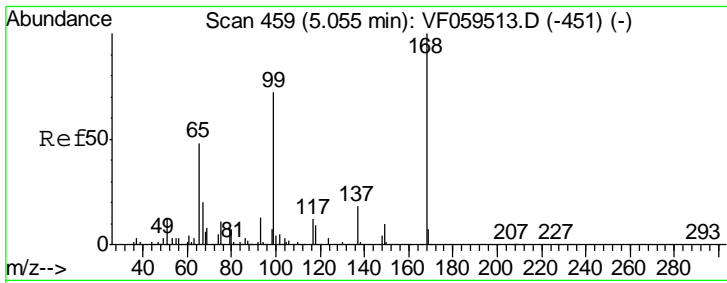
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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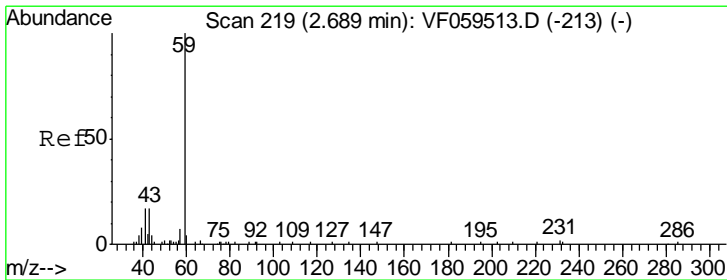
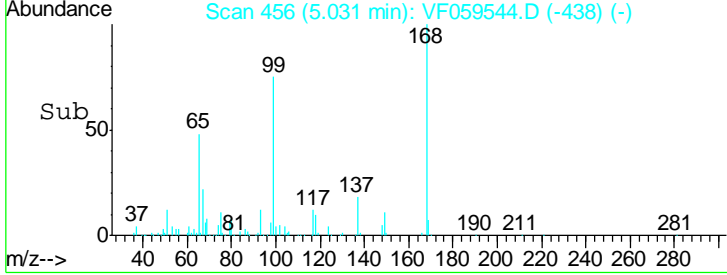
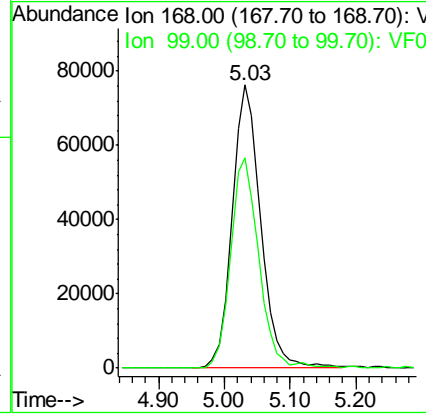
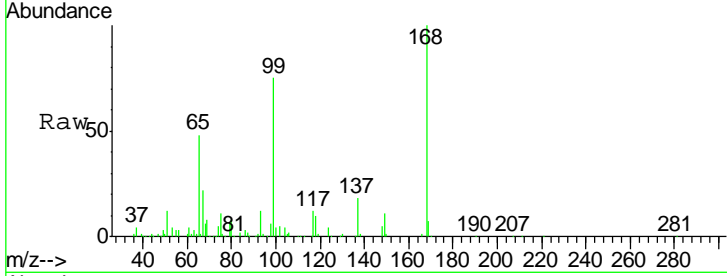




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

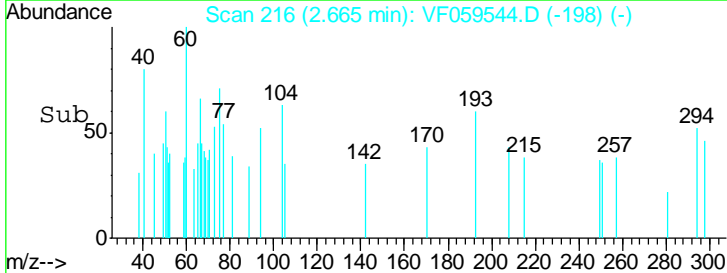
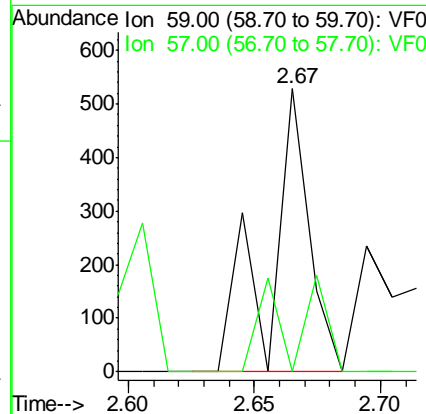
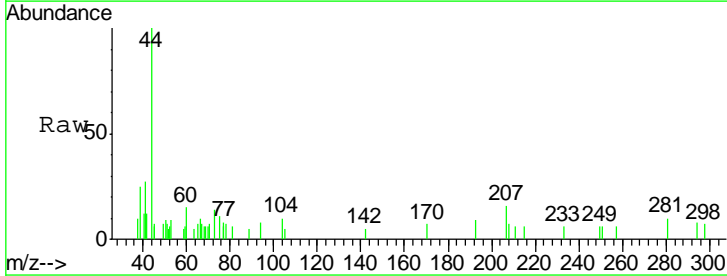
Instrument :
 MSVOA_F
ClientSampled :
 VF0719SBL01

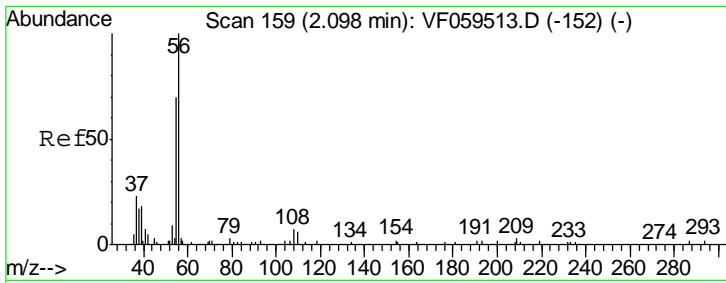
Tgt Ion: 168 Resp: 231025
 Ion Ratio Lower Upper
 168 100
 99 74.5 57.6 86.4



#11
 Tert butyl alcohol
 Concen: Below Cal
 RT: 2.67 min Scan# 216
 Delta R.T. -0.02 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

Tgt Ion: 59 Resp: 578
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

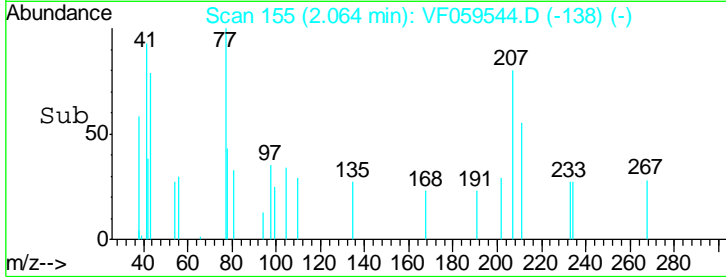
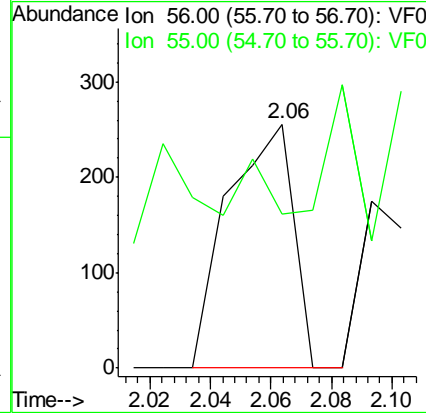
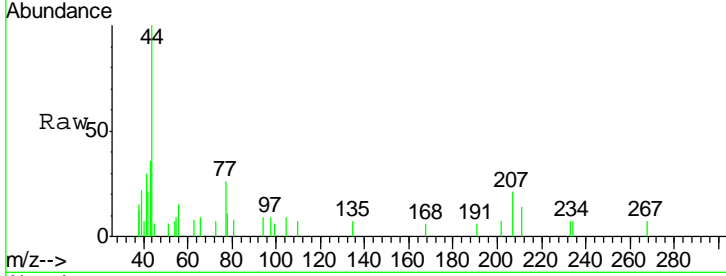




#13
 Acrolein
 Concen: Below Cal
 RT: 2.06 min Scan# 155
 Delta R.T. -0.03 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

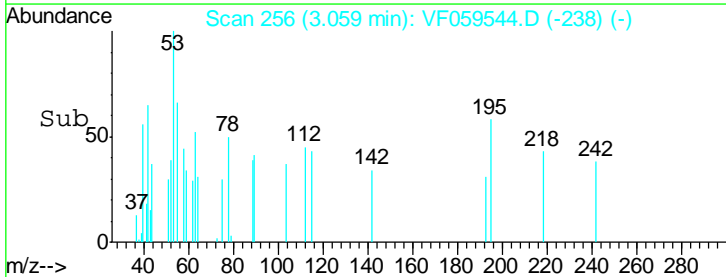
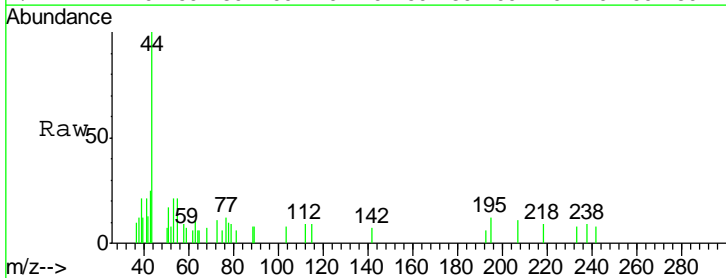
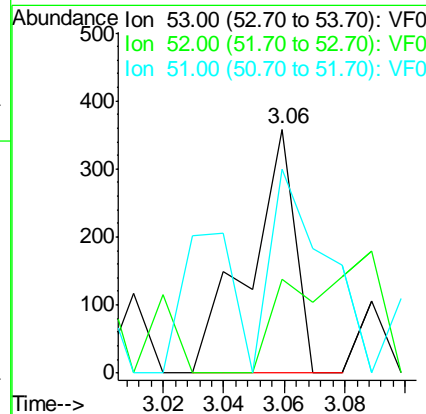
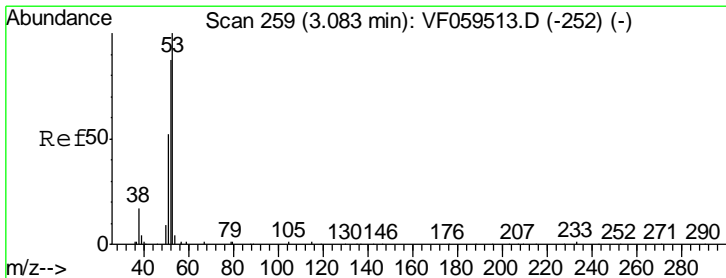
Instrument :
 MSVOA_F
 ClientSampled :
 VF0719SBL01

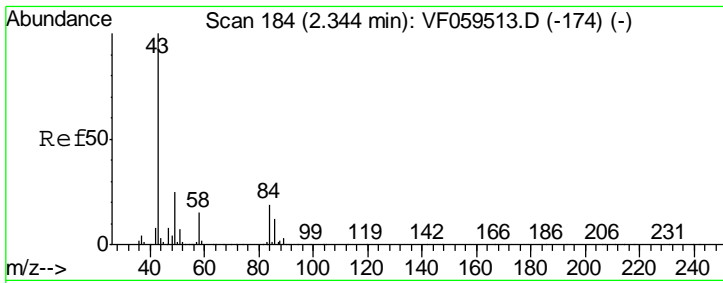
Tgt Ion: 56 Resp: 384
 Ion Ratio Lower Upper
 56 100
 55 62.9 59.4 89.2



#15
 Acrylonitrile
 Concen: 1.237 ug/l
 RT: 3.06 min Scan# 256
 Delta R.T. -0.02 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

Tgt Ion: 53 Resp: 373
 Ion Ratio Lower Upper
 53 100
 52 38.5 70.1 105.1#
 51 83.8 42.5 63.7#

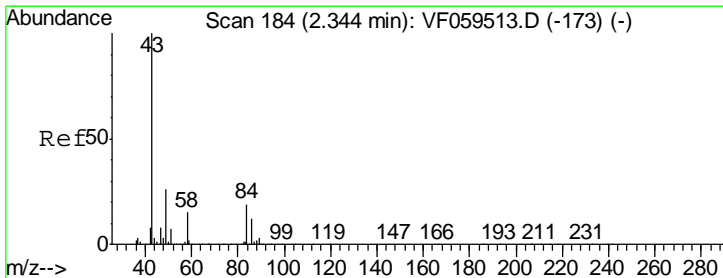
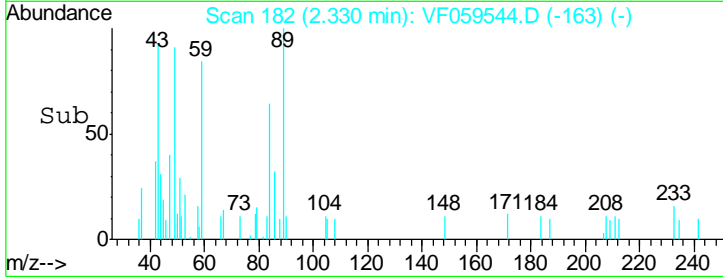
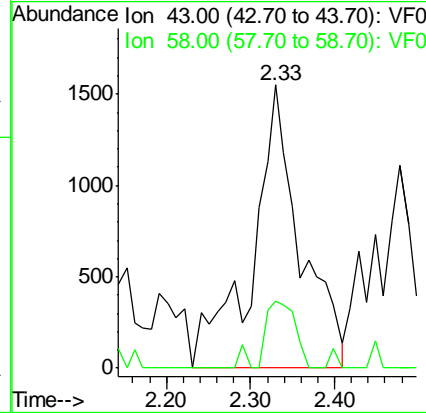
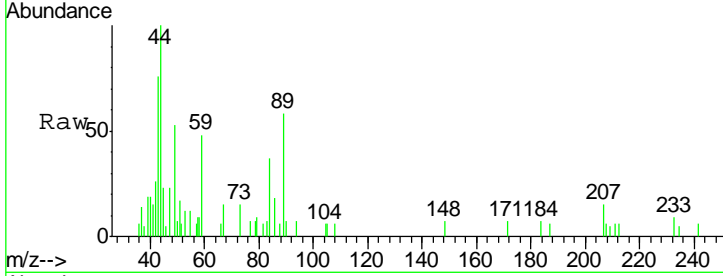




#16
 Acetone
 Concen: Below Cal
 RT: 2.33 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

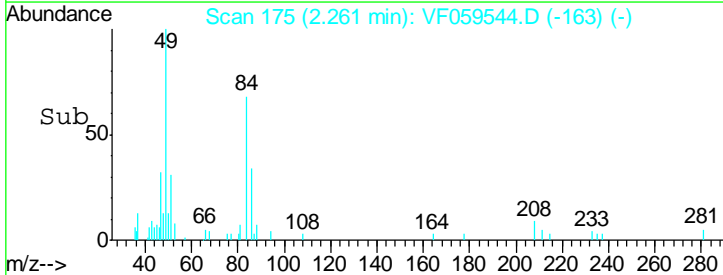
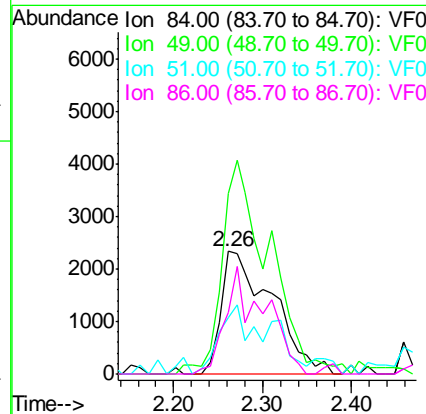
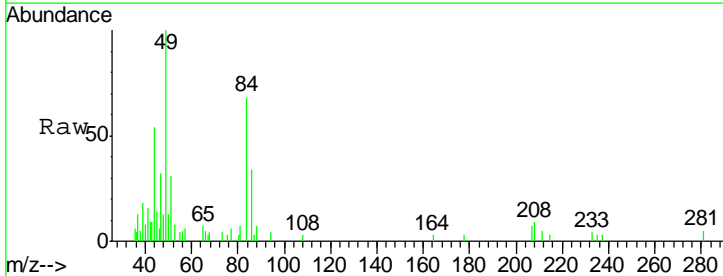
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBL01

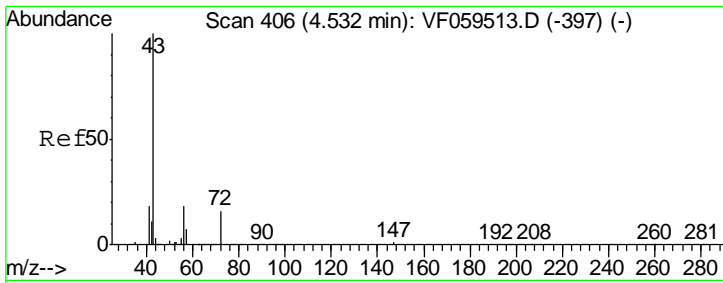
Tgt Ion: 43 Resp: 6180
 Ion Ratio Lower Upper
 43 100
 58 23.9 11.8 17.6#



#20
 Methylene Chloride
 Concen: 1.259 ug/l
 RT: 2.26 min Scan# 175
 Delta R.T. -0.08 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

Tgt Ion: 84 Resp: 9283
 Ion Ratio Lower Upper
 84 100
 49 147.7 109.4 164.2
 51 46.3 30.5 45.7#
 86 50.4 47.6 71.4

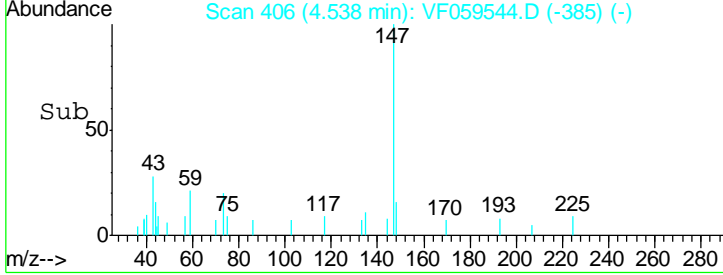
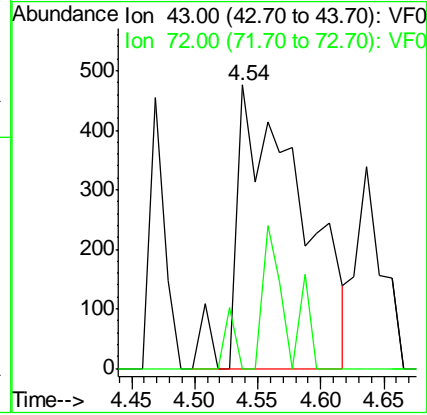
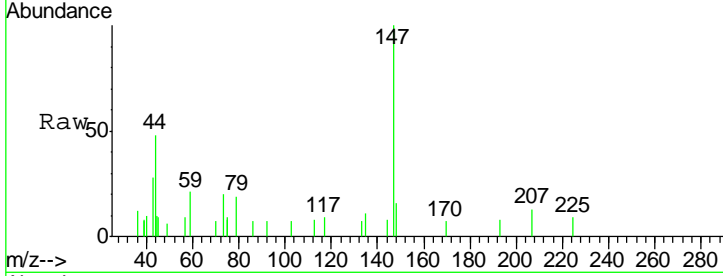




#25
 2-Butanone
 Concen: 2.027 ug/l
 RT: 4.54 min Scan# 406
 Delta R.T. 0.01 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

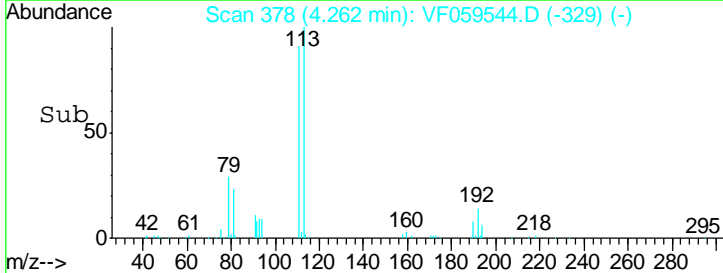
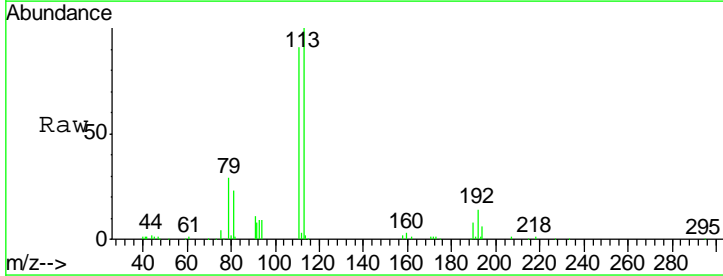
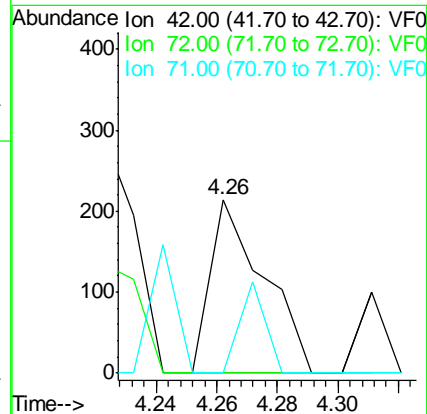
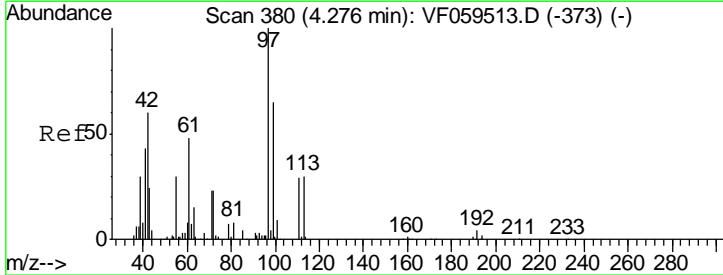
Instrument :
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 ClientSampled :
 VF0719SBL01

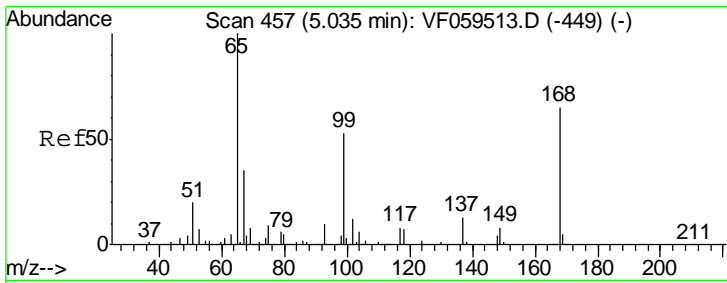
Tgt Ion	Resp	Lower	Upper
43	100		
72	0.0	14.2	21.4#



#29
 Tetrahydrofuran
 Concen: Below Cal
 RT: 4.26 min Scan# 378
 Delta R.T. -0.01 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

Tgt Ion	Resp	Lower	Upper
42	100		
72	0.0	28.7	43.1#
71	25.1	30.8	46.2#

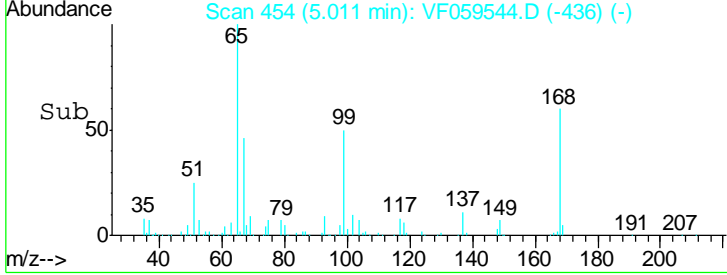
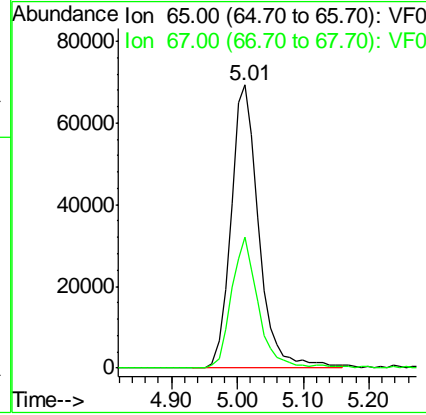
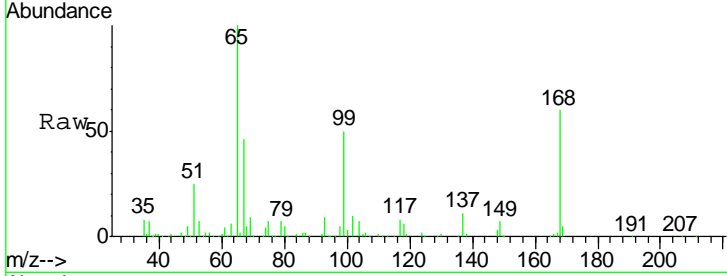




#33
 1,2-Dichloroethane-d4
 Concen: 56.865 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

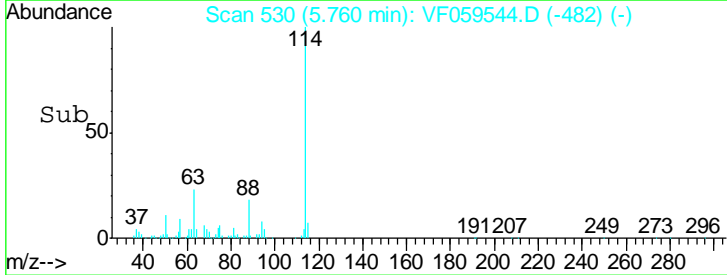
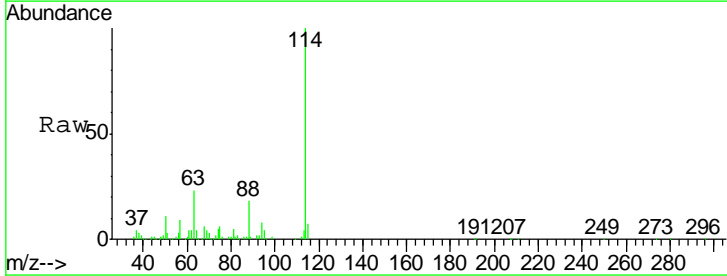
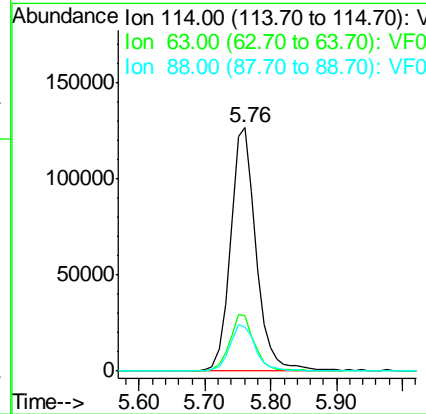
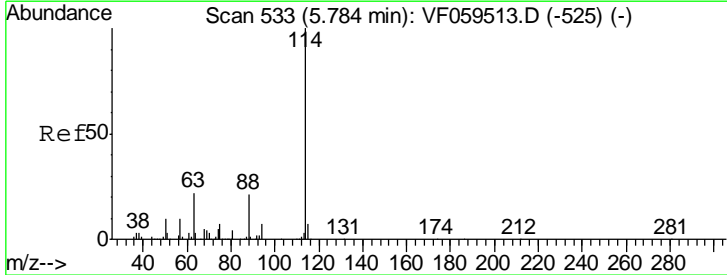
Instrument :
 MSVOA_F
 ClientSampled :
 VF0719SBL01

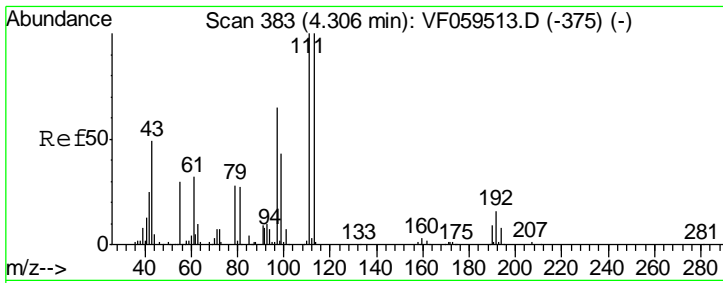
Tgt Ion	Resp	Lower	Upper
65	100		
67	46.4	0.0	91.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

Tgt Ion	Resp	Lower	Upper
114	100		
63	22.9	0.0	44.8
88	18.2	0.0	42.6

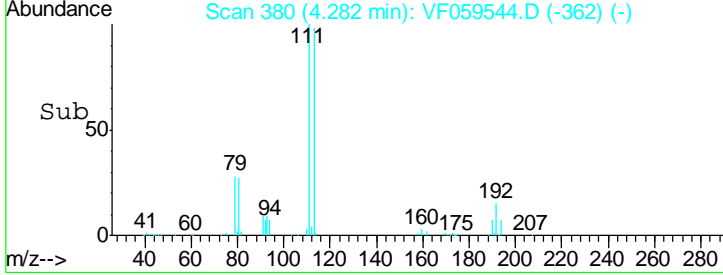
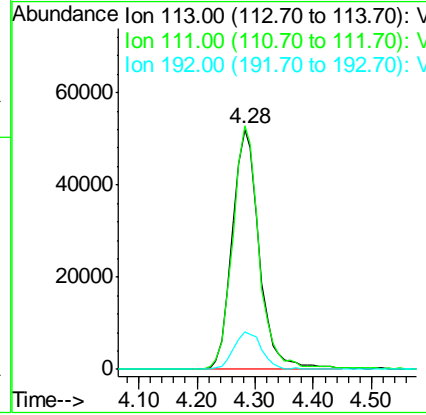
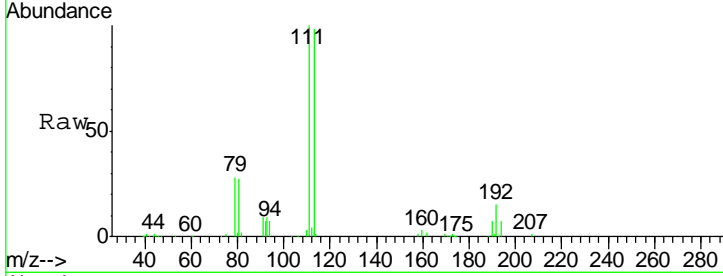




#35
 Dibromofluoromethane
 Concen: 56.308 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.02 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

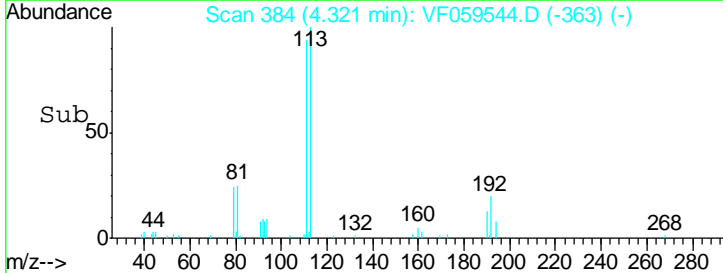
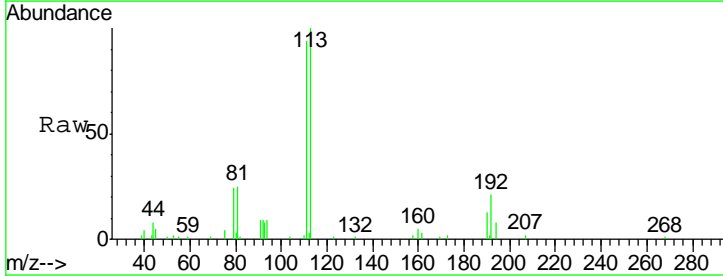
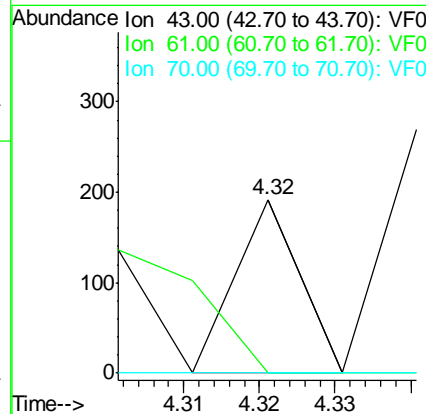
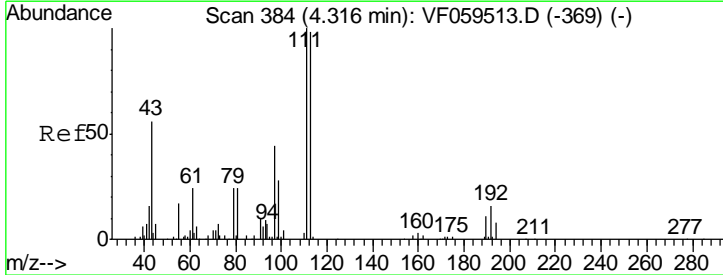
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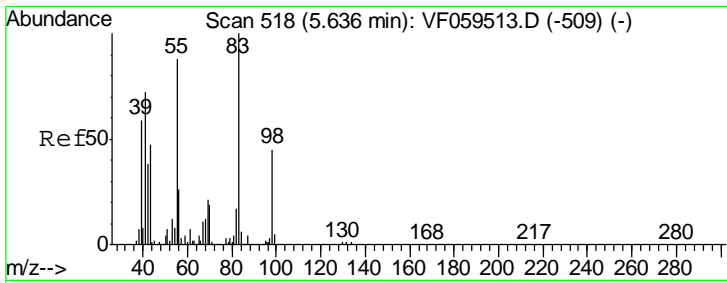
Tgt Ion	Resp	Lower	Upper
113	167822		
113	100		
111	101.5	80.3	120.5
192	15.6	13.1	19.7



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.32 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

Tgt Ion	Resp	Lower	Upper
43	114		
43	100		
61	0.0	33.7	50.5#
70	0.0	7.4	11.0#

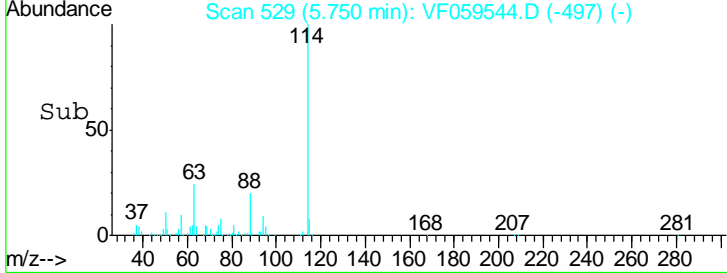
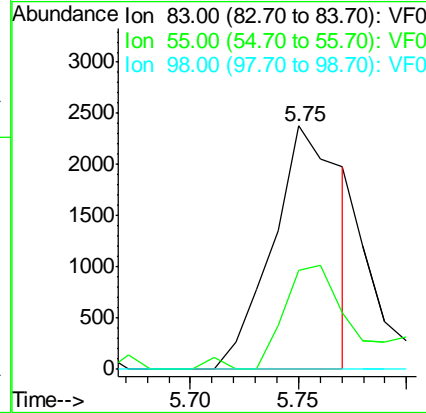
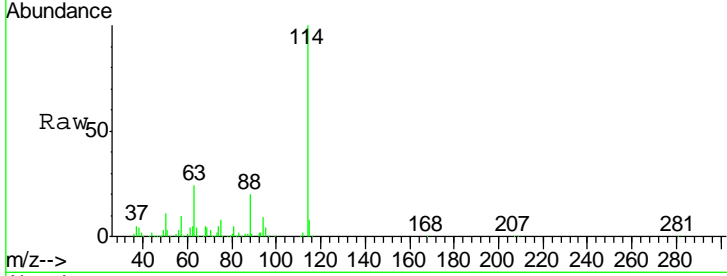




#39
 Methylcyclohexane
 Concen: 1.996 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. 0.11 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

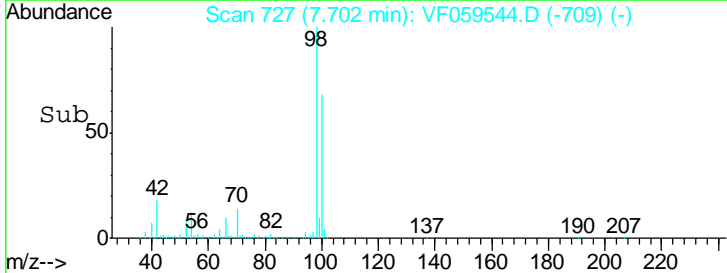
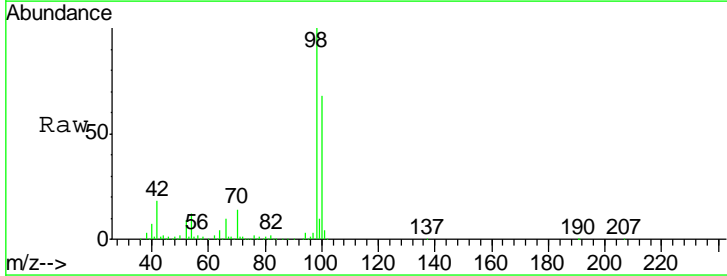
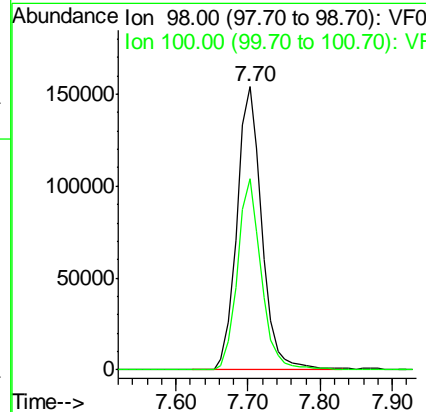
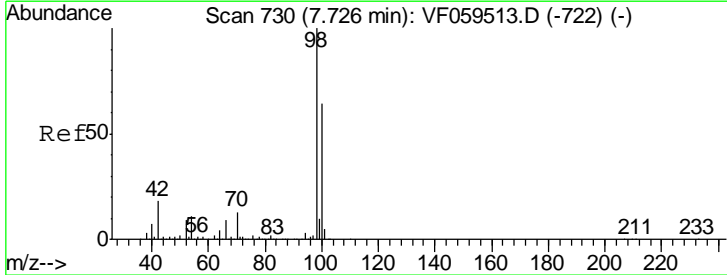
Instrument :
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 ClientSampled :
 VF0719SBL01

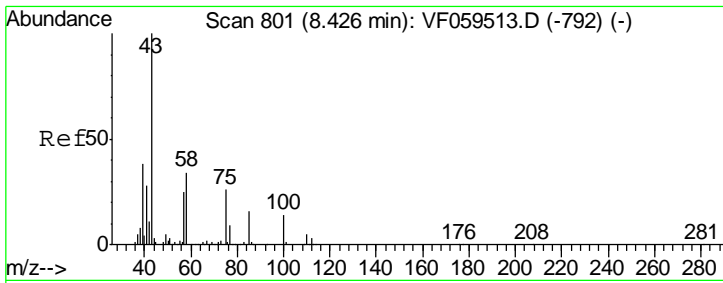
Tgt Ion	Resp	Lower	Upper
83	100		
55	40.8	70.2	105.4#
98	0.0	36.2	54.2#



#50
 Toluene-d8
 Concen: 49.475 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. -0.02 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

Tgt Ion	Resp	Lower	Upper
98	100		
100	67.6	50.9	76.3

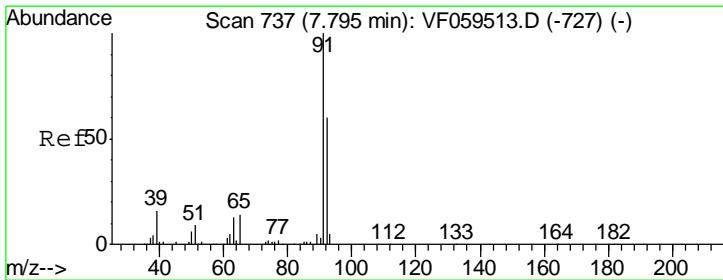
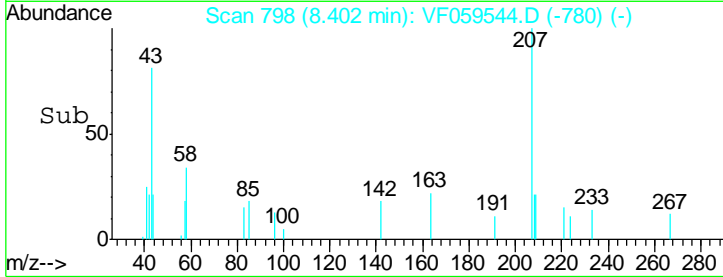
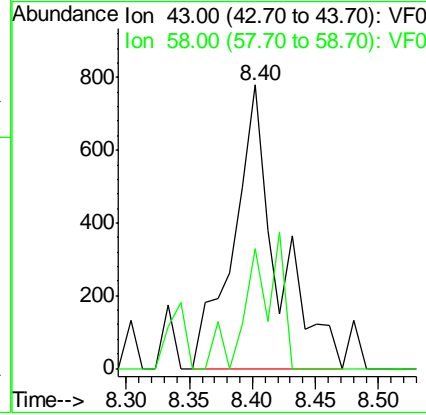
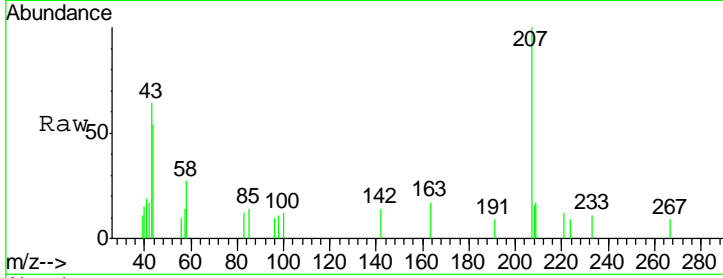




#51
 4-Methyl-2-Pentanone
 Concen: 1.062 ug/l
 RT: 8.40 min Scan# 798
 Delta R.T. -0.02 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

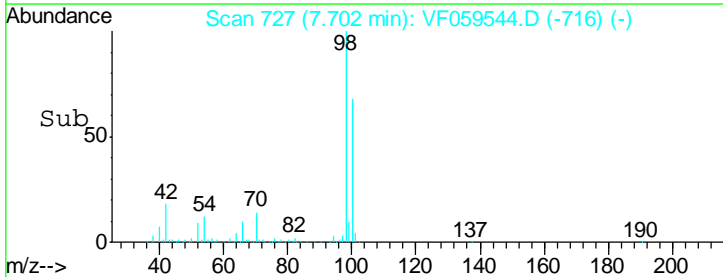
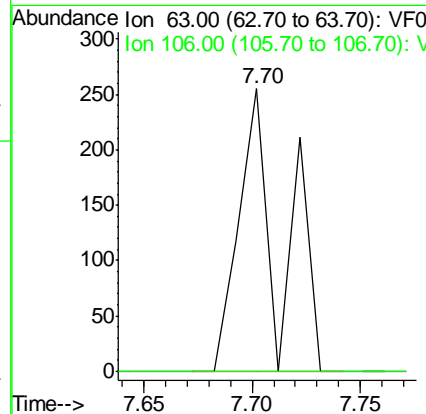
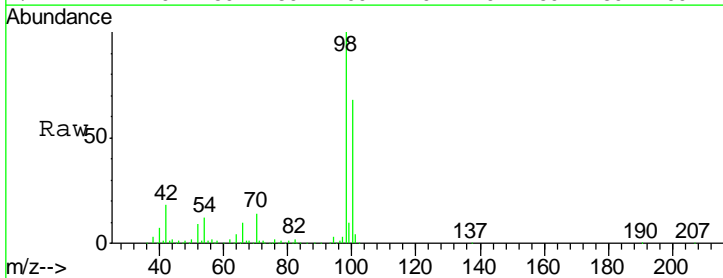
Instrument :
 MSVOA_F
 ClientSampled :
 VF0719SBL01

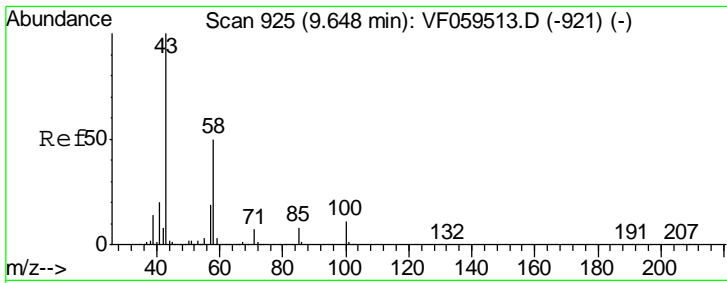
Tgt Ion: 43 Resp: 1864
 Ion Ratio Lower Upper
 43 100
 58 42.2 27.4 41.2#



#58
 2-Chloroethyl Vinyl ether
 Concen: 1.678 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. -0.09 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

Tgt Ion: 63 Resp: 345
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

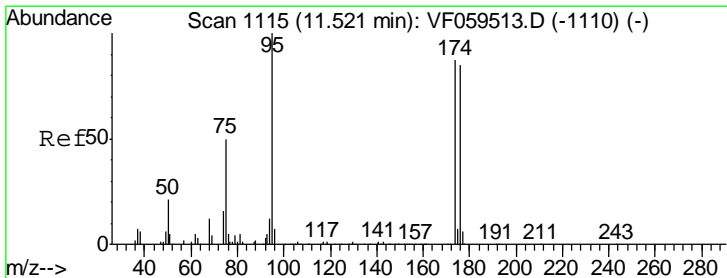
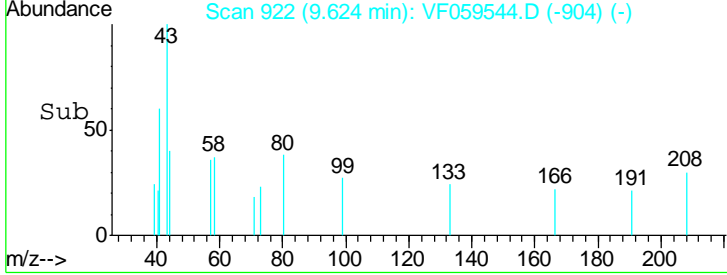
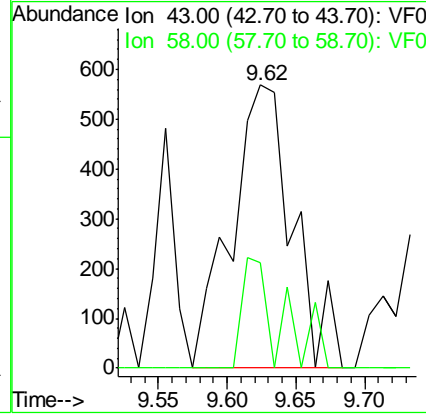
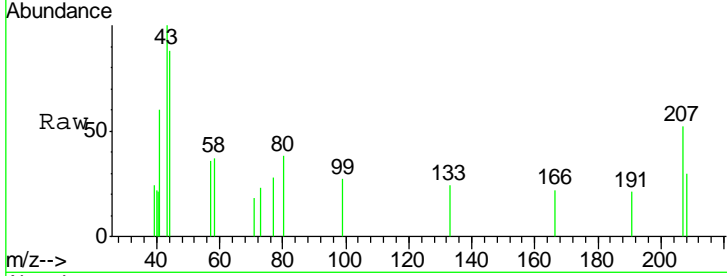




#59
 2-Hexanone
 Concen: 1.334 ug/l
 RT: 9.62 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

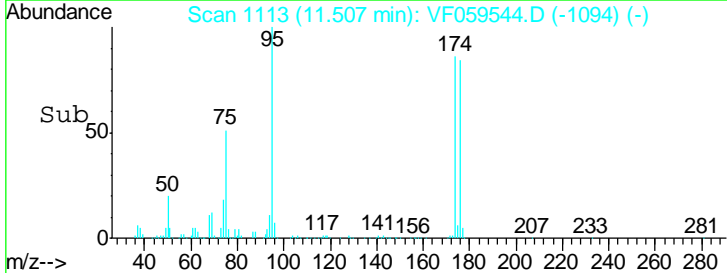
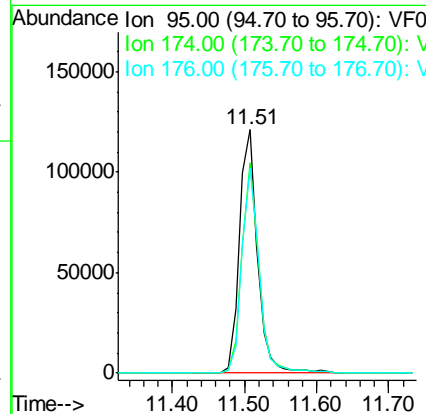
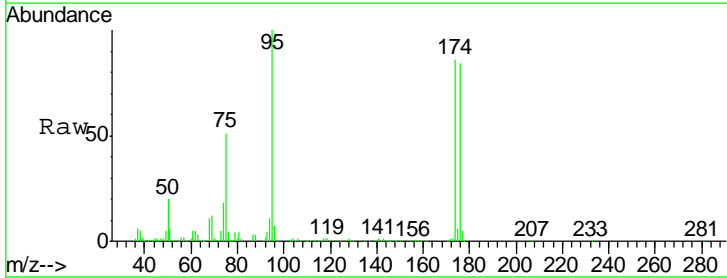
Instrument :
 MSVOA_F
ClientSampled :
 VF0719SBL01

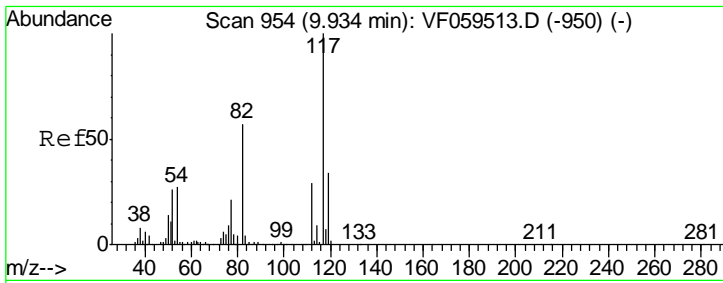
Tgt Ion	Resp	Lower	Upper
43	100		
58	37.1	23.3	69.9



#62
 4-Bromofluorobenzene
 Concen: 54.016 ug/l
 RT: 11.51 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

Tgt Ion	Resp	Lower	Upper
95	100		
174	86.2	0.0	174.4
176	84.1	0.0	169.4

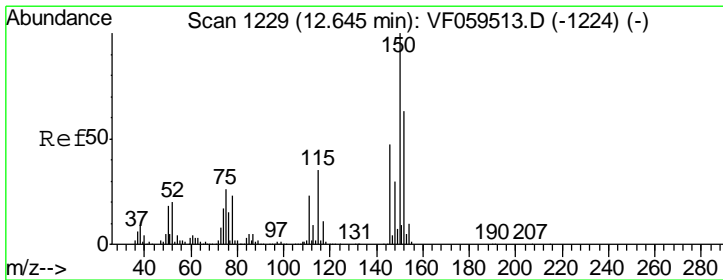
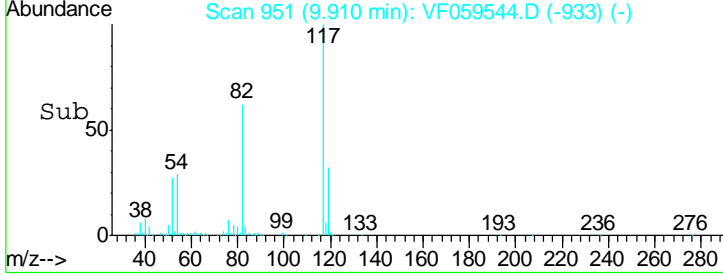
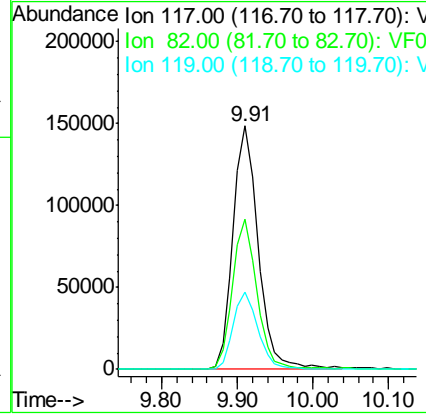
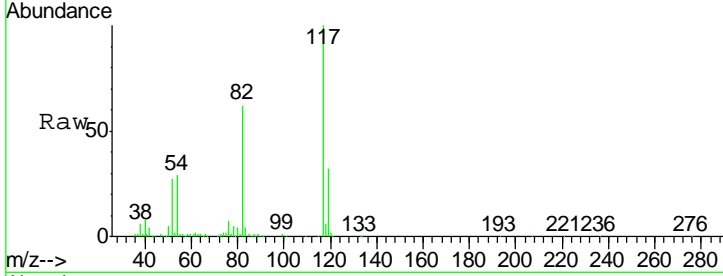




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.91 min Scan# 951
 Delta R.T. -0.02 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

Instrument :
 MSVOA_F
ClientSampled :
 VF0719SBL01

Tgt Ion	Resp	Lower	Upper
117	344001		
82	61.7	46.1	69.1
119	31.9	27.2	40.8



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059544.D
 Acq: 19 Jul 2018 7:18

Tgt Ion	Resp	Lower	Upper
152	225097		
115	54.8	27.8	83.3
150	147.9	0.0	318.4

