

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022219\
 Data File : VF061711.D
 Acq On : 22 Feb 2019 16:30
 Operator : VA/AP
 Sample : K1595-03
 Misc : 5.46µ/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-CBF-B11

Quant Time: Feb 23 01:45:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	302630	50.00	µg/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	490713	50.00	µg/l	-0.03
63) Chlorobenzene-d5	9.76	117	356527	50.00	µg/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	151577	50.00	µg/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	112608	50.74	µg/l	-0.03
Spiked Amount				50.000		
Recovery						101.48%
35) Dibromofluoromethane	4.09	113	169069	46.40	µg/l	-0.03
Spiked Amount				50.000		
Recovery						92.80%
50) Toluene-d8	7.54	98	358929	34.26	µg/l	-0.02
Spiked Amount				50.000		
Recovery						68.52%
62) 4-Bromofluorobenzene	11.40	95	139325	32.87	µg/l	-0.02
Spiked Amount				50.000		
Recovery						65.74%

Target Compounds

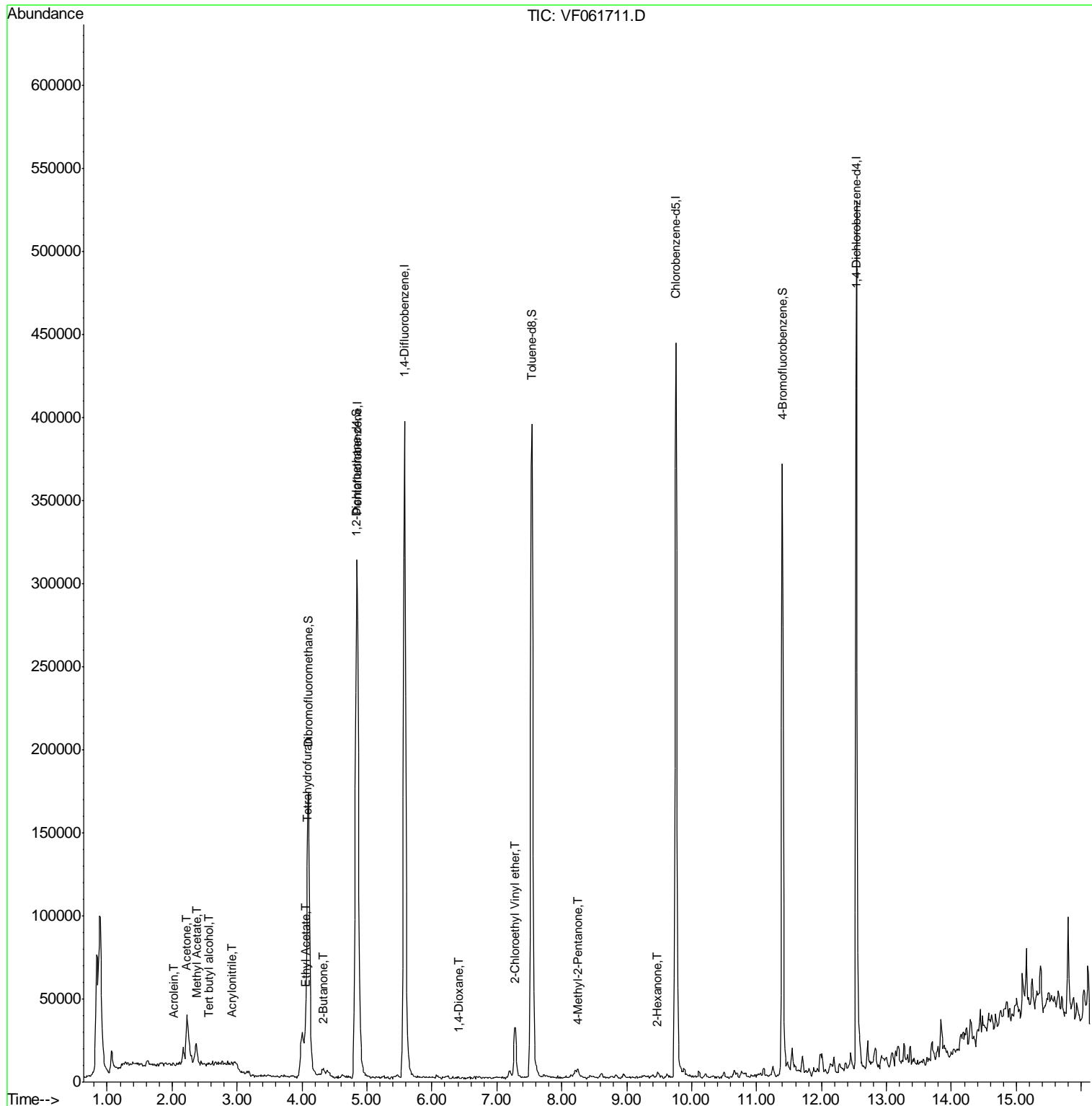
						Qvalue
11) Tert butyl alcohol	2.57	59	682	5.310	µg/l #	11
13) Acrolein	2.01	56	1571	9.732	µg/l	99
15) Acrylonitrile	2.93	53	1073	2.355	µg/l #	30
16) Acetone	2.23	43	37428	78.606	µg/l	100
18) Methyl Acetate	2.37	43	7260	6.768	µg/l #	59
20) Methylene Chloride	2.17	84	4451	Below Cal	#	87
25) 2-Butanone	4.33	43	10650	10.240	µg/l	99
29) Tetrahydrofuran	4.07	42	12389	26.208	µg/l	95
37) Ethyl Acetate	4.04	43	4923	2.180	µg/l #	69
49) 1,4-Dioxane	6.41	88	63	4.167	µg/l #	1
51) 4-Methyl-2-Pentanone	8.24	43	5306	2.778	µg/l #	71
58) 2-Chloroethyl Vinyl ether	7.27	63	16879	38.782	µg/l	94
59) 2-Hexanone	9.48	43	4433	3.312	µg/l	85

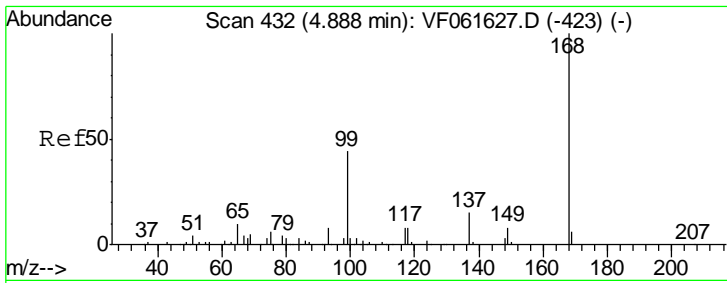
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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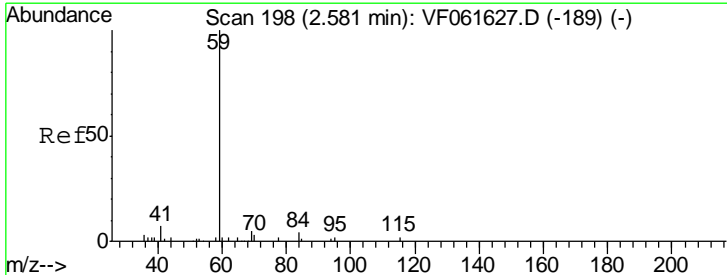
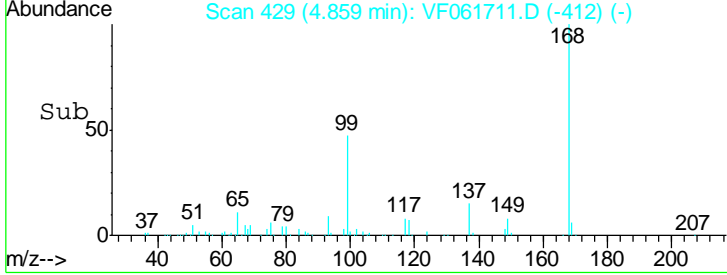
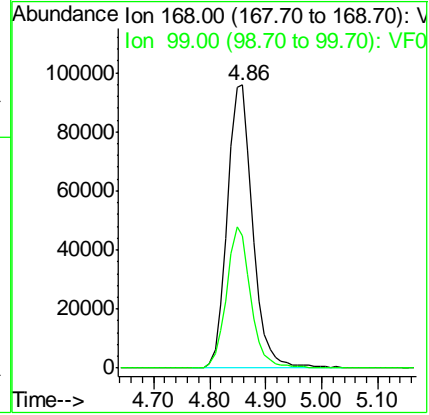
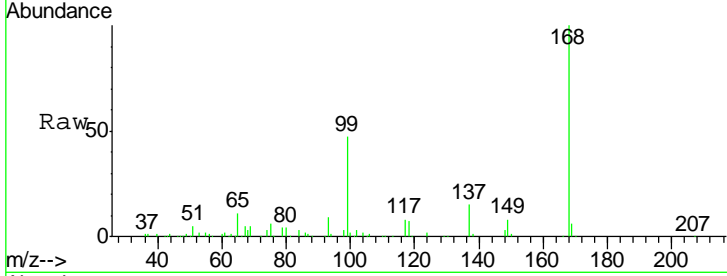




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. -0.03 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

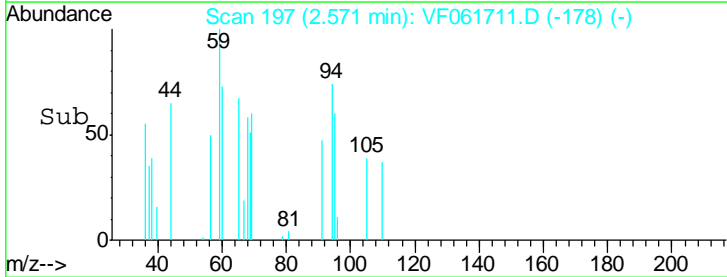
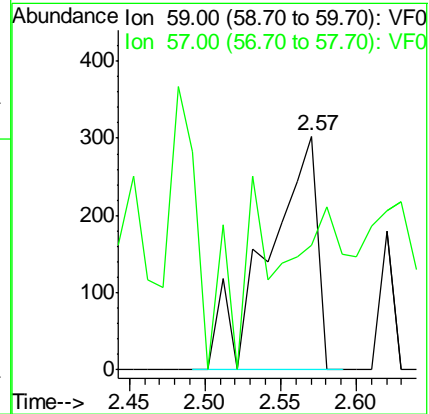
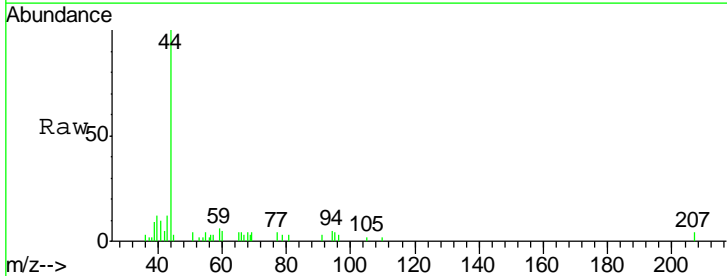
Instrument :
 MSVOA_F
ClientSampled :
 TP-CBF-B11

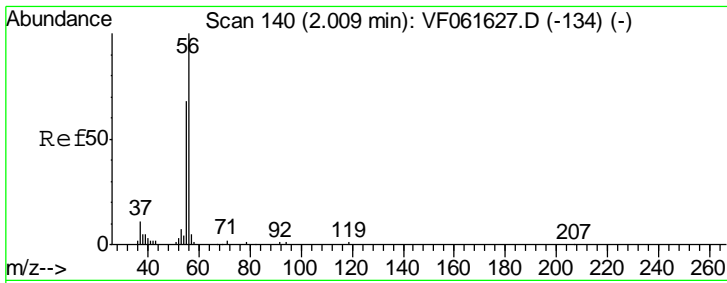
Tgt Ion	Resp	Lower	Upper
168	100		
99	46.7	34.9	52.3



#11
 Tert butyl alcohol
 Concen: 5.310 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

Tgt Ion	Resp	Lower	Upper
59	100		
57	53.1	12.5	18.7#

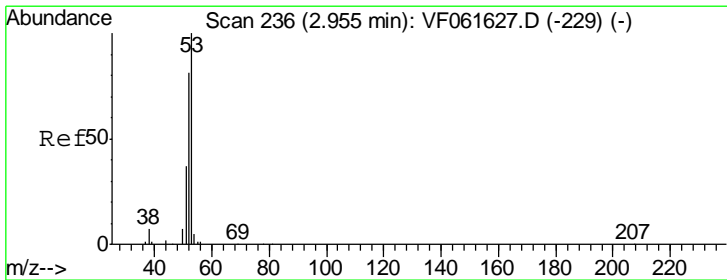
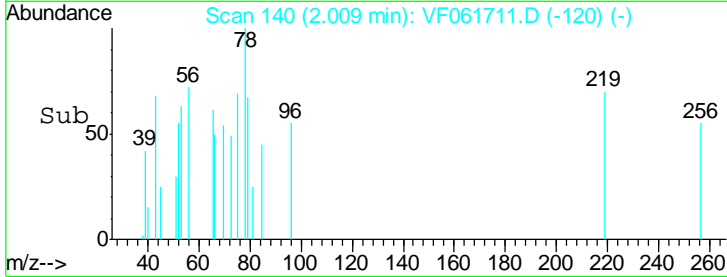
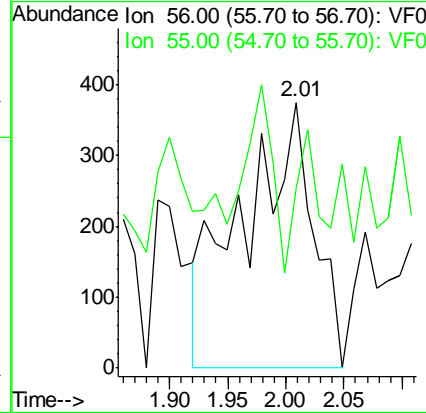
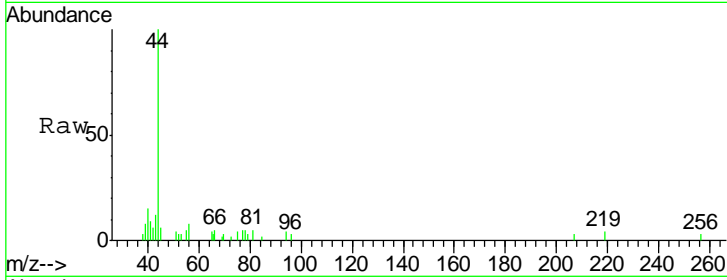




#13
 Acrolein
 Concen: 9.732 ug/l
 RT: 2.01 min Scan# 140
 Delta R.T. 0.00 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

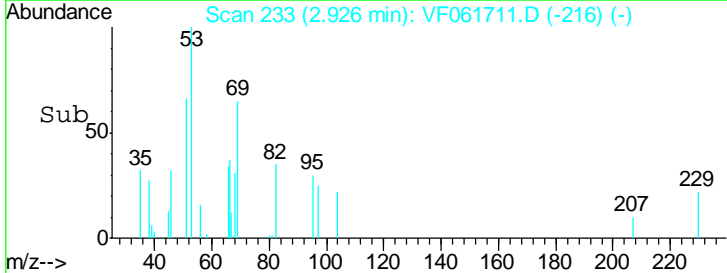
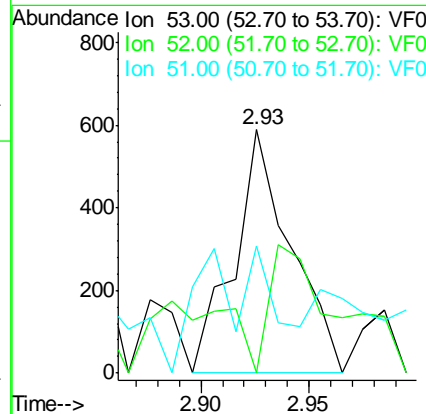
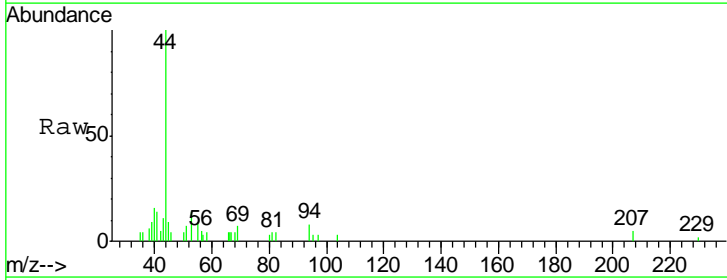
Instrument :
 MSVOA_F
ClientSampled :
 TP-CBF-B11

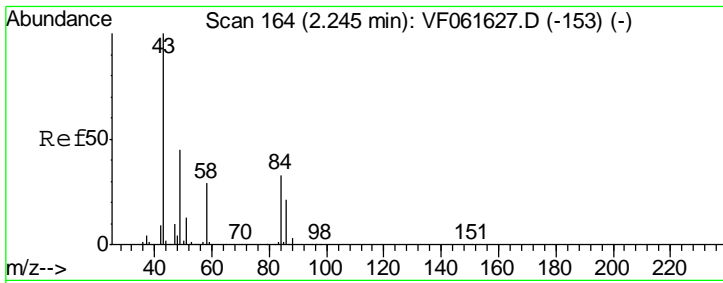
Tgt Ion	Resp	Lower	Upper
56	100		
55	67.7	55.0	82.6



#15
 Acrylonitrile
 Concen: 2.355 ug/l
 RT: 2.93 min Scan# 233
 Delta R.T. -0.03 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

Tgt Ion	Resp	Lower	Upper
53	100		
52	0.0	64.6	97.0#
51	52.1	29.8	44.8#

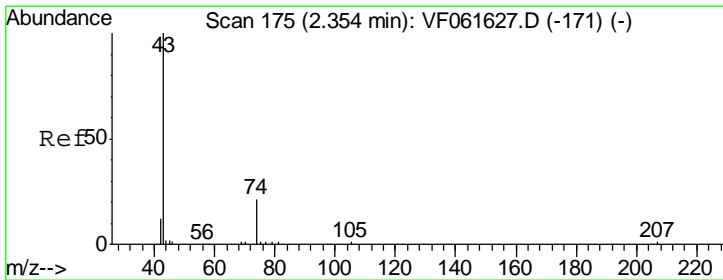
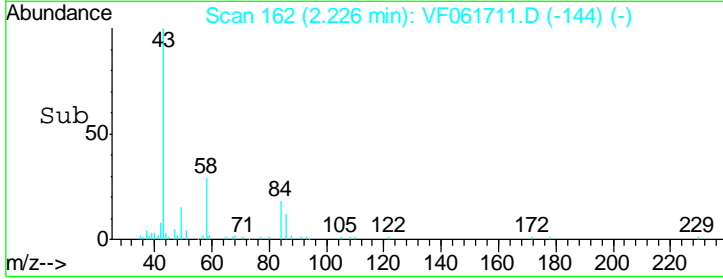
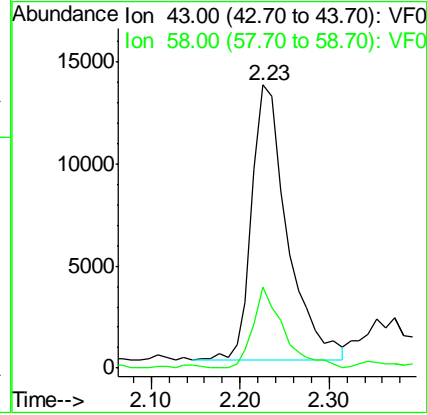
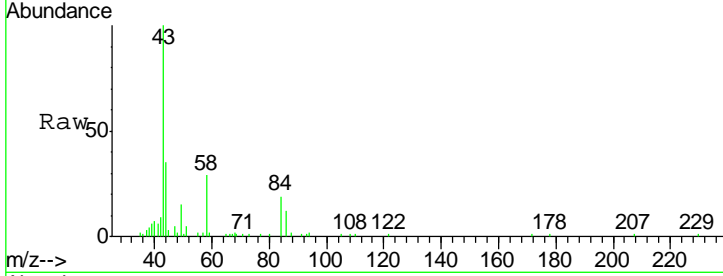




#16
 Acetone
 Concen: 78.606 ug/l
 RT: 2.23 min Scan# 162
 Delta R.T. -0.02 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

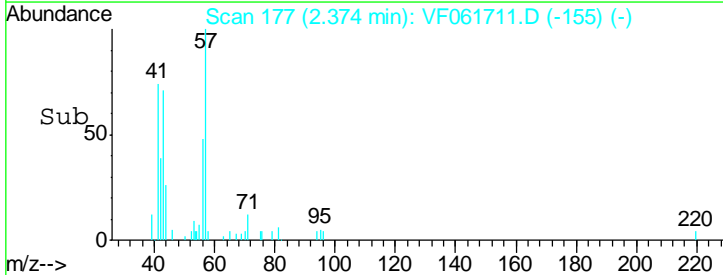
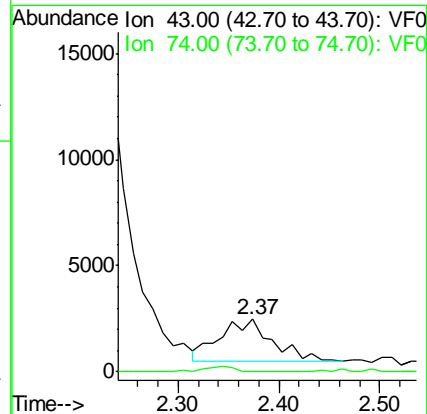
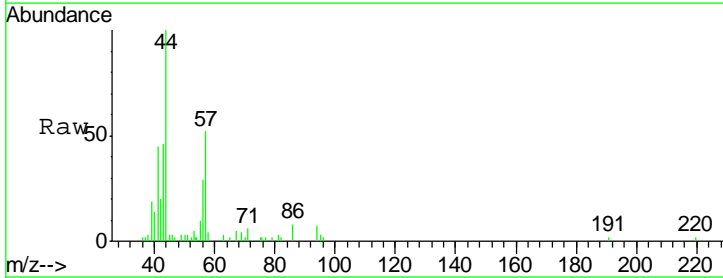
Instrument :
 MSVOA_F
 ClientSampled :
 TP-CBF-B11

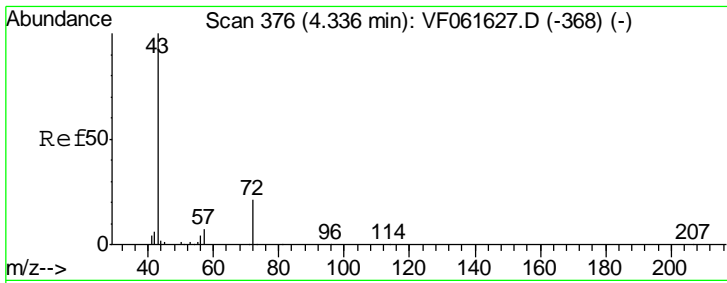
Tgt Ion: 43 Resp: 37428
 Ion Ratio Lower Upper
 43 100
 58 28.6 22.9 34.3



#18
 Methyl Acetate
 Concen: 6.768 ug/l
 RT: 2.37 min Scan# 177
 Delta R.T. 0.02 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

Tgt Ion: 43 Resp: 7260
 Ion Ratio Lower Upper
 43 100
 74 0.0 14.6 21.8#

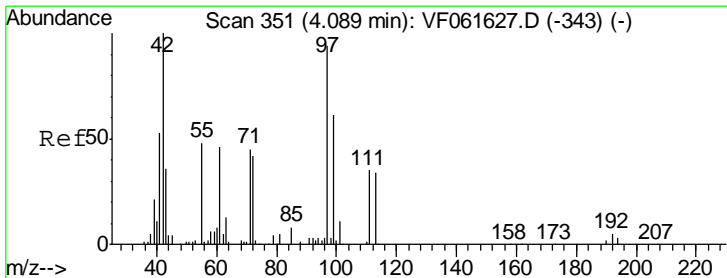
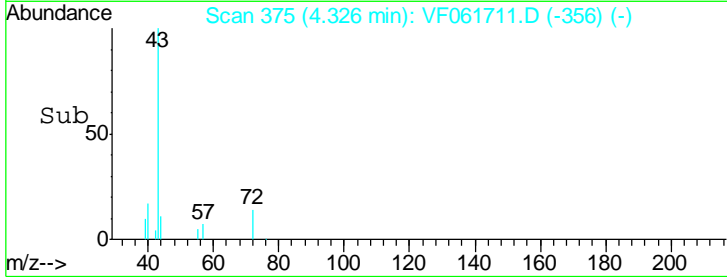
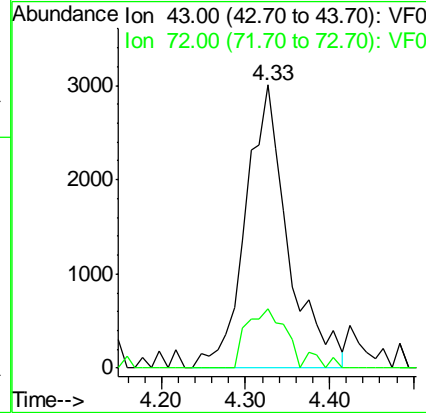
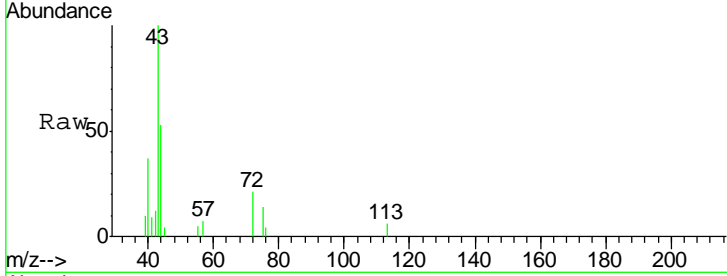




#25
 2-Butanone
 Concen: 10.240 ug/l
 RT: 4.33 min Scan# 375
 Delta R.T. -0.01 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

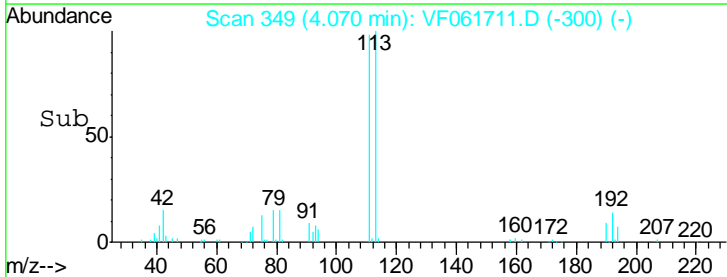
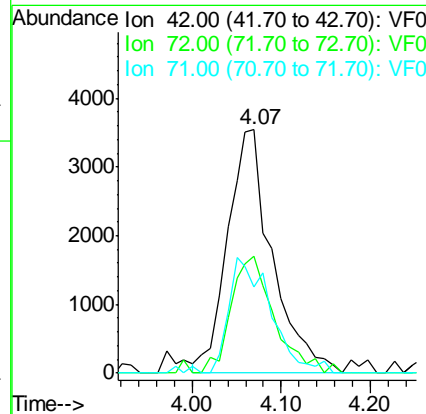
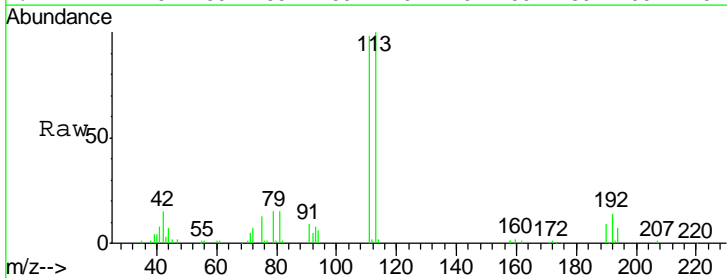
Instrument :
 MSVOA_F
 ClientSampled :
 TP-CBF-B11

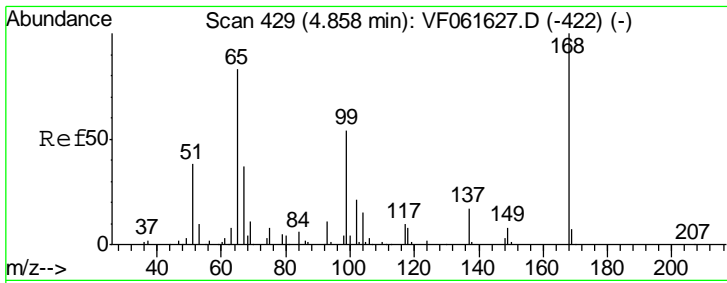
Tgt Ion	Resp	Lower	Upper
43	10650		
72	21.0	17.1	25.7



#29
 Tetrahydrofuran
 Concen: 26.208 ug/l
 RT: 4.07 min Scan# 349
 Delta R.T. -0.02 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

Tgt Ion	Resp	Lower	Upper
42	12389		
72	46.4	35.2	52.8
71	45.0	32.9	49.3

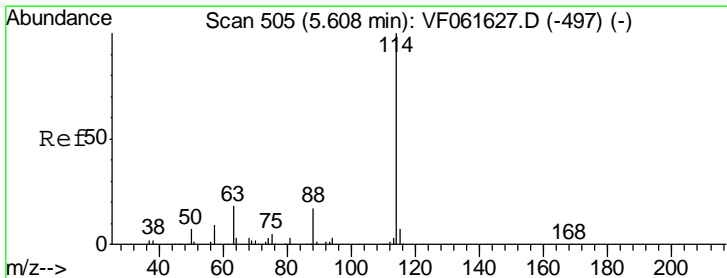
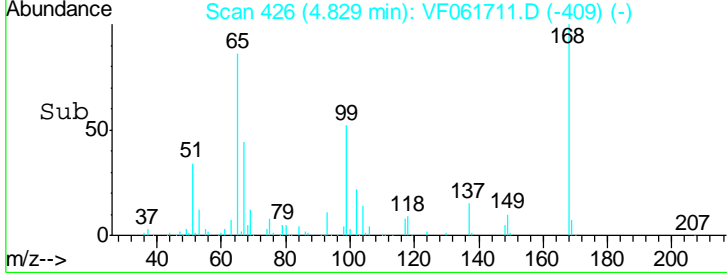
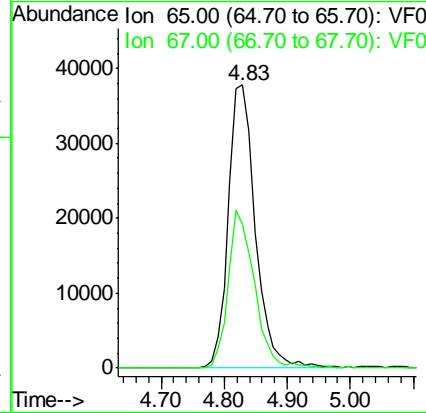
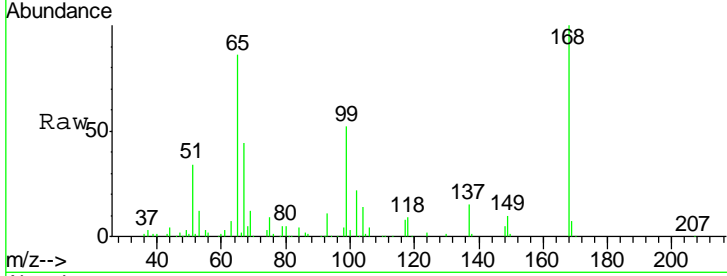




#33
 1,2-Dichloroethane-d4
 Concen: 50.742 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.03 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

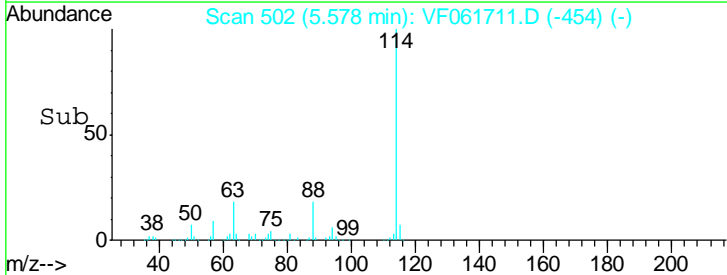
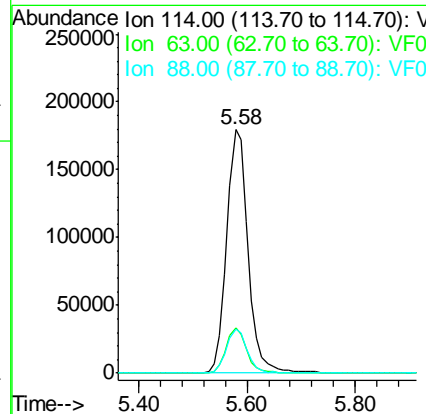
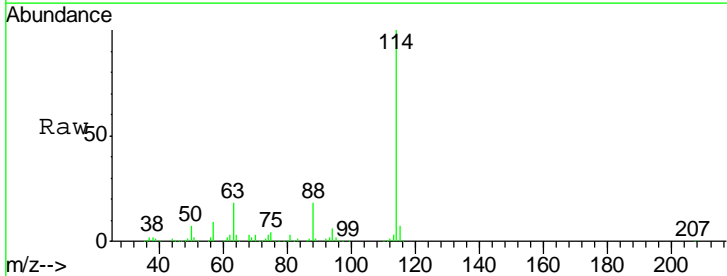
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 TP-CBF-B11

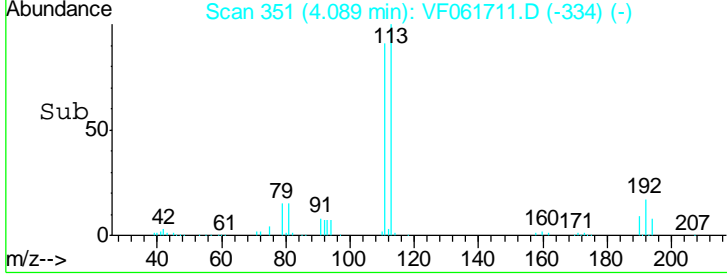
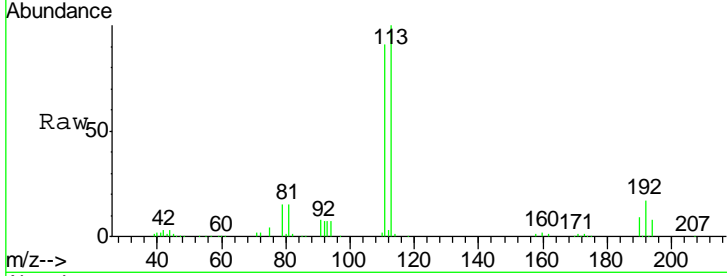
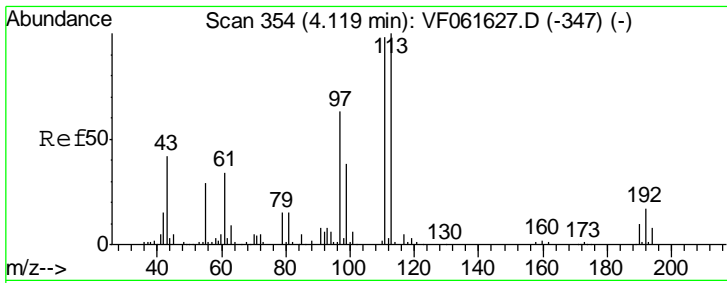
Tgt Ion: 65 Resp: 112608
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

Tgt Ion: 114 Resp: 490713
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.6
 88 18.3 0.0 34.4

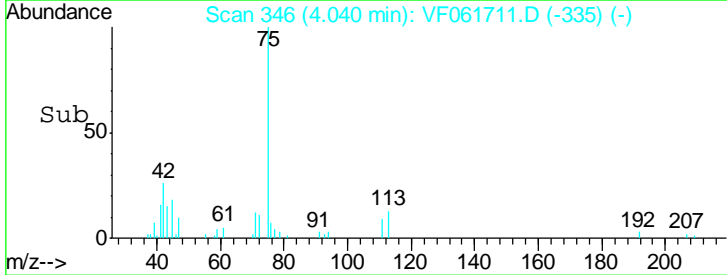
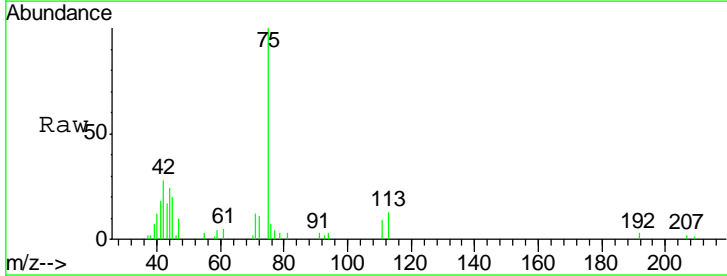
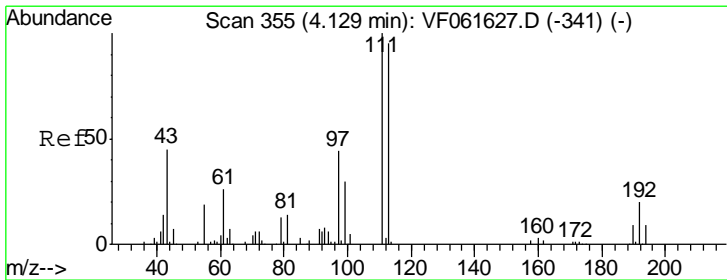
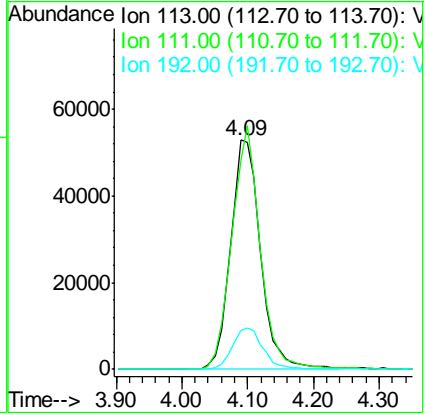




#35
 Dibromofluoromethane
 Concen: 46.396 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.03 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

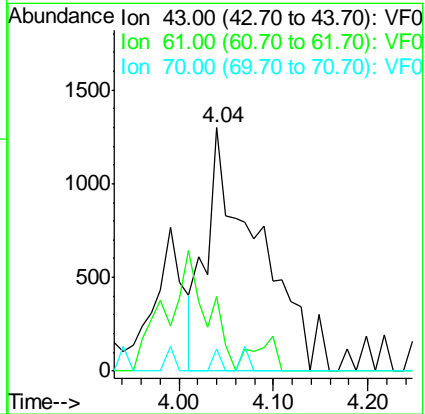
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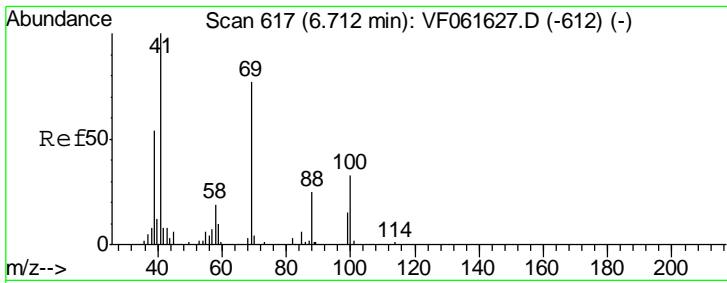
Tgt Ion	Resp	Lower	Upper
113	169069		
111	91.3	78.8	118.2
192	17.4	13.4	20.0



#37
 Ethyl Acetate
 Concen: 2.180 ug/l
 RT: 4.04 min Scan# 346
 Delta R.T. -0.09 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

Tgt Ion	Resp	Lower	Upper
43	4923		
61	30.7	45.7	68.5#
70	9.2	8.5	12.7

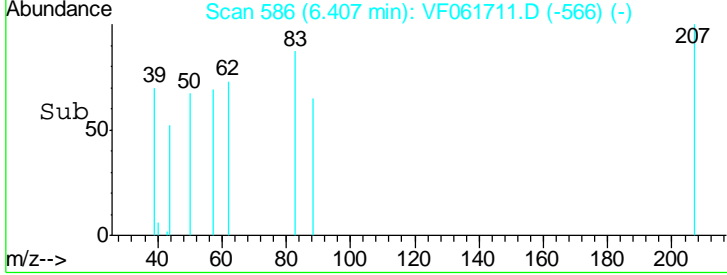
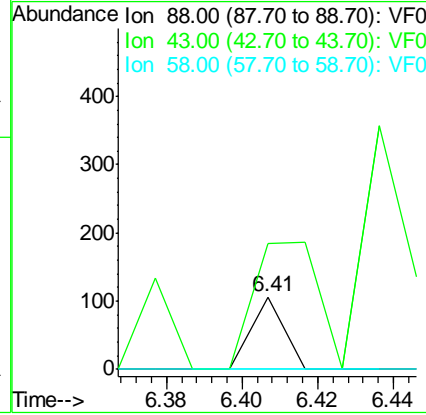
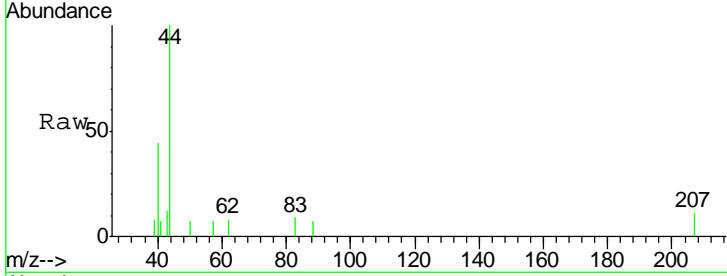




#49
 1,4-Dioxane
 Concen: 4.167 ug/l
 RT: 6.41 min Scan# 586
 Delta R.T. -0.31 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

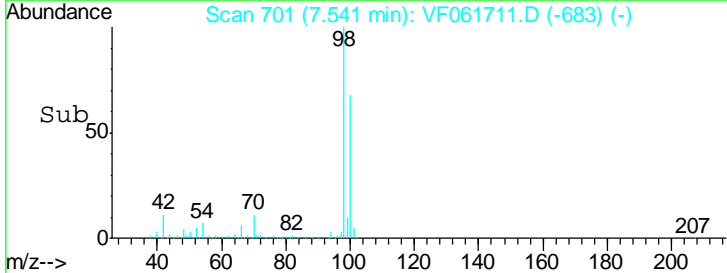
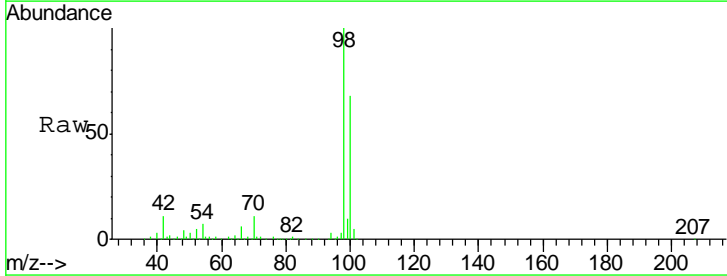
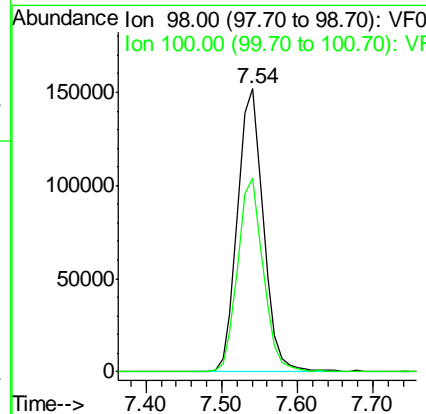
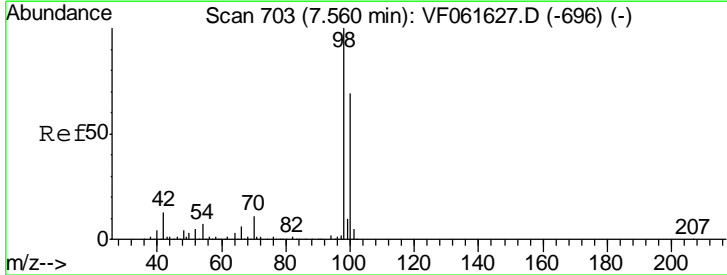
Instrument :
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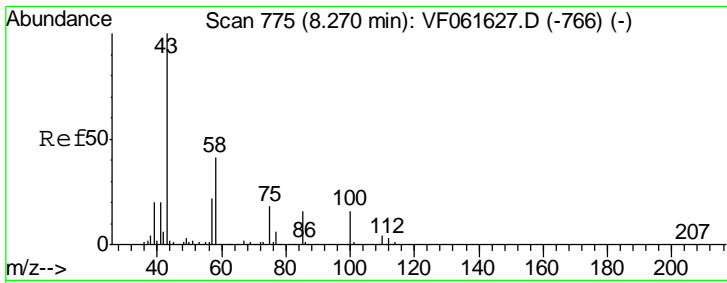
Tgt Ion	Resp	Lower	Upper
88	100		
43	174.5	32.3	48.5#
58	0.0	59.4	89.2#



#50
 Toluene-d8
 Concen: 34.263 ug/l
 RT: 7.54 min Scan# 701
 Delta R.T. -0.02 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

Tgt Ion	Resp	Lower	Upper
98	100		
100	68.3	55.4	83.2

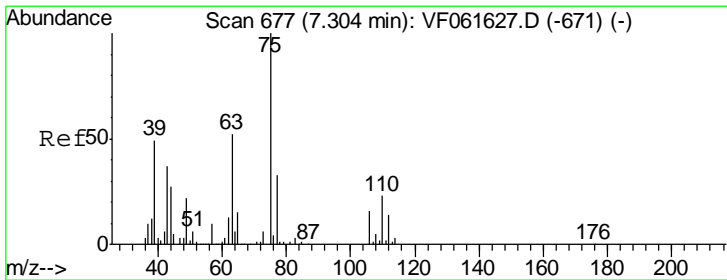
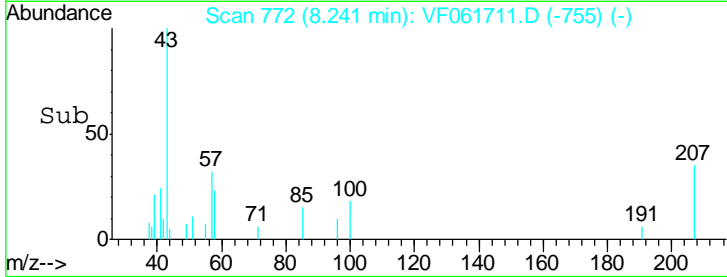
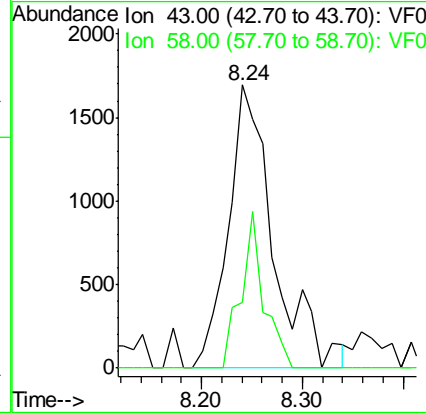
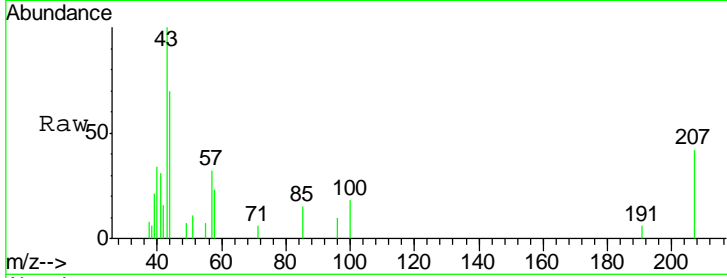




#51
 4-Methyl-2-Pentanone
 Concen: 2.778 ug/l
 RT: 8.24 min Scan# 772
 Delta R.T. -0.03 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

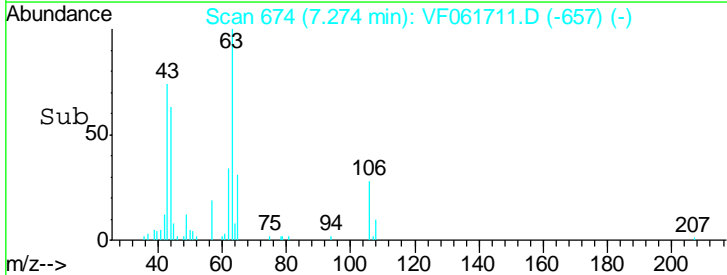
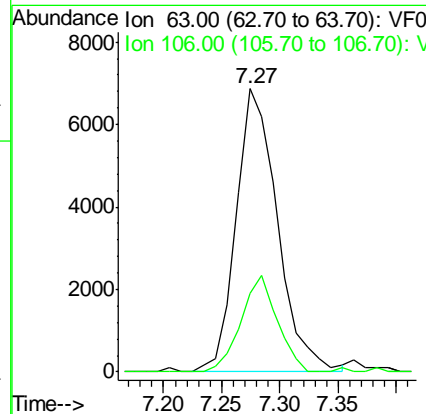
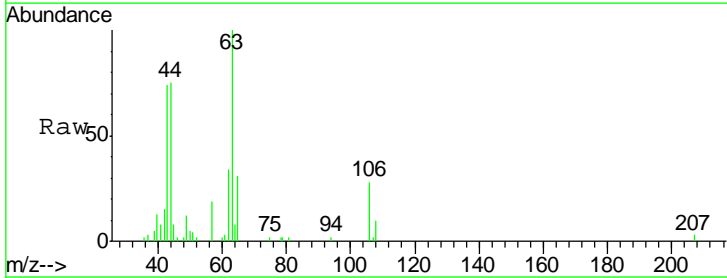
Instrument :
 MSVOA_F
 ClientSampled :
 TP-CBF-B11

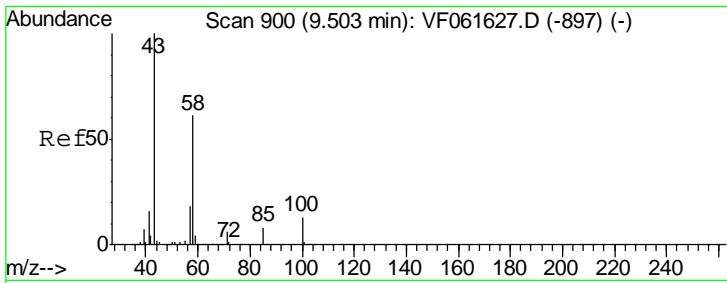
Tgt Ion: 43 Resp: 5306
 Ion Ratio Lower Upper
 43 100
 58 23.1 33.1 49.7#



#58
 2-Chloroethyl Vinyl ether
 Concen: 38.782 ug/l
 RT: 7.27 min Scan# 674
 Delta R.T. -0.03 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

Tgt Ion: 63 Resp: 16879
 Ion Ratio Lower Upper
 63 100
 106 27.6 24.6 36.8

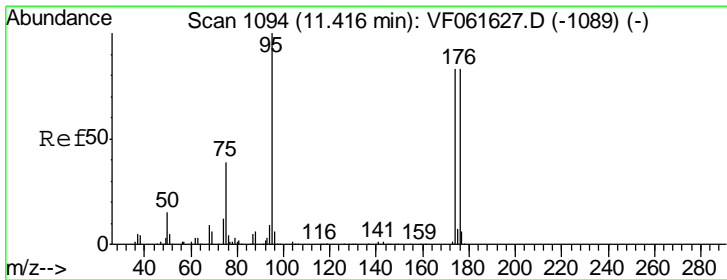
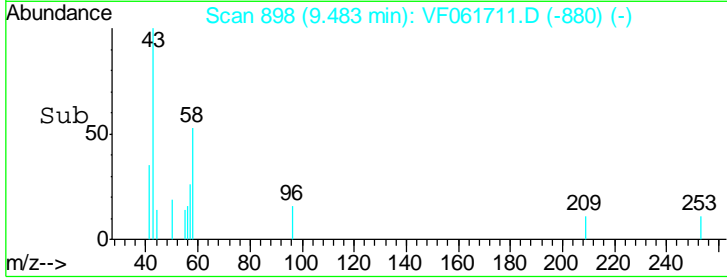
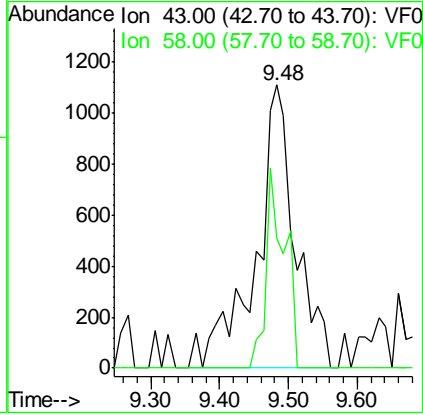
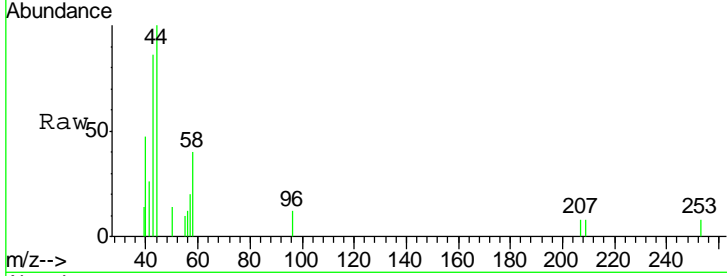




#59
 2-Hexanone
 Concen: 3.312 ug/l
 RT: 9.48 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

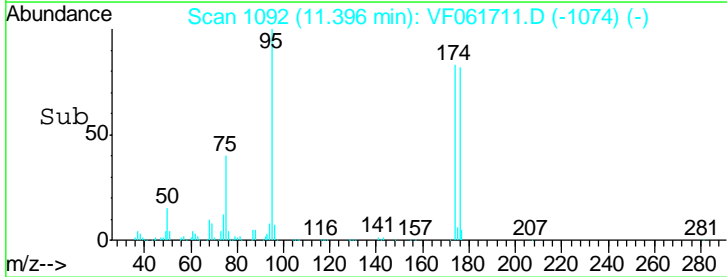
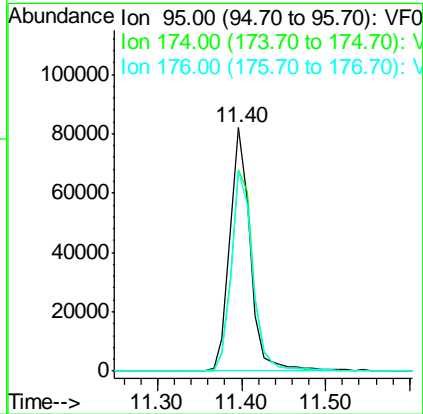
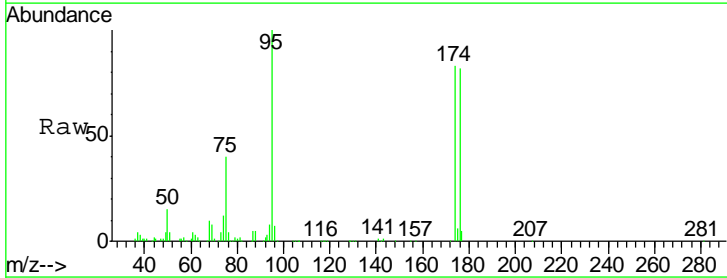
Instrument :
 MSVOA_F
 ClientSampled :
 TP-CBF-B11

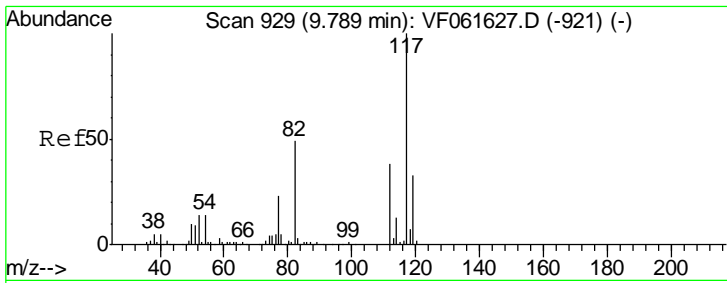
Tgt Ion	Resp	Lower	Upper
43	4433		
58	45.9	28.5	85.5



#62
 4-Bromofluorobenzene
 Concen: 32.870 ug/l
 RT: 11.40 min Scan# 1092
 Delta R.T. -0.02 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

Tgt Ion	Resp	Lower	Upper
95	139325		
174	82.7	0.0	165.8
176	82.2	0.0	167.0

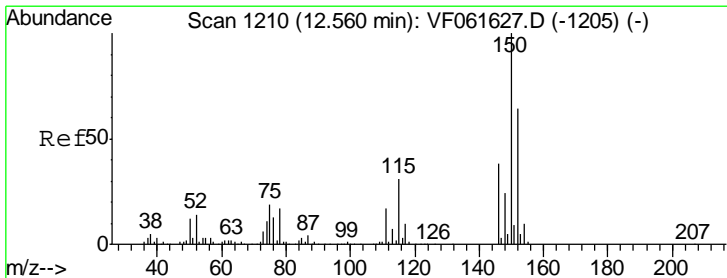
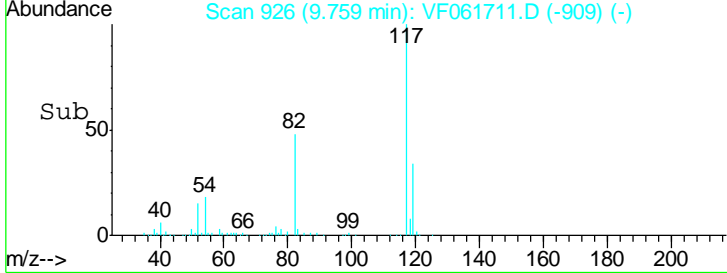
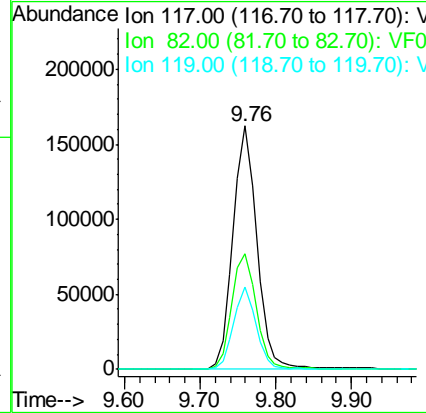
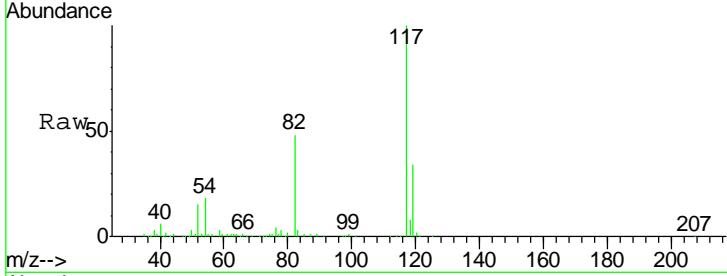




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.76 min Scan# 926
 Delta R.T. -0.03 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

Instrument :
 MSVOA_F
ClientSampled :
 TP-CBF-B11

Tgt Ion	Resp	Lower	Upper
117	100		
82	47.7	39.3	58.9
119	33.8	26.6	40.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: VF061711.D
 Acq: 22 Feb 2019 16:30

Tgt Ion	Resp	Lower	Upper
152	100		
115	50.2	24.3	72.8
150	152.4	0.0	312.0

