

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062929.D
 Acq On : 12 Jun 2019 15:58
 Operator : FY/SY
 Sample : K3294-02
 Misc : 5.44g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 13 08:31:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	645823	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	1113669	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	830649	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	398398	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	232784	52.12	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	104.24%	
35) Dibromofluoromethane	4.31	113	322162	38.28	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	76.56%	
50) Toluene-d8	7.71	98	810800	38.10	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	76.20%	
62) 4-Bromofluorobenzene	11.49	95	336519	43.96	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	87.92%	

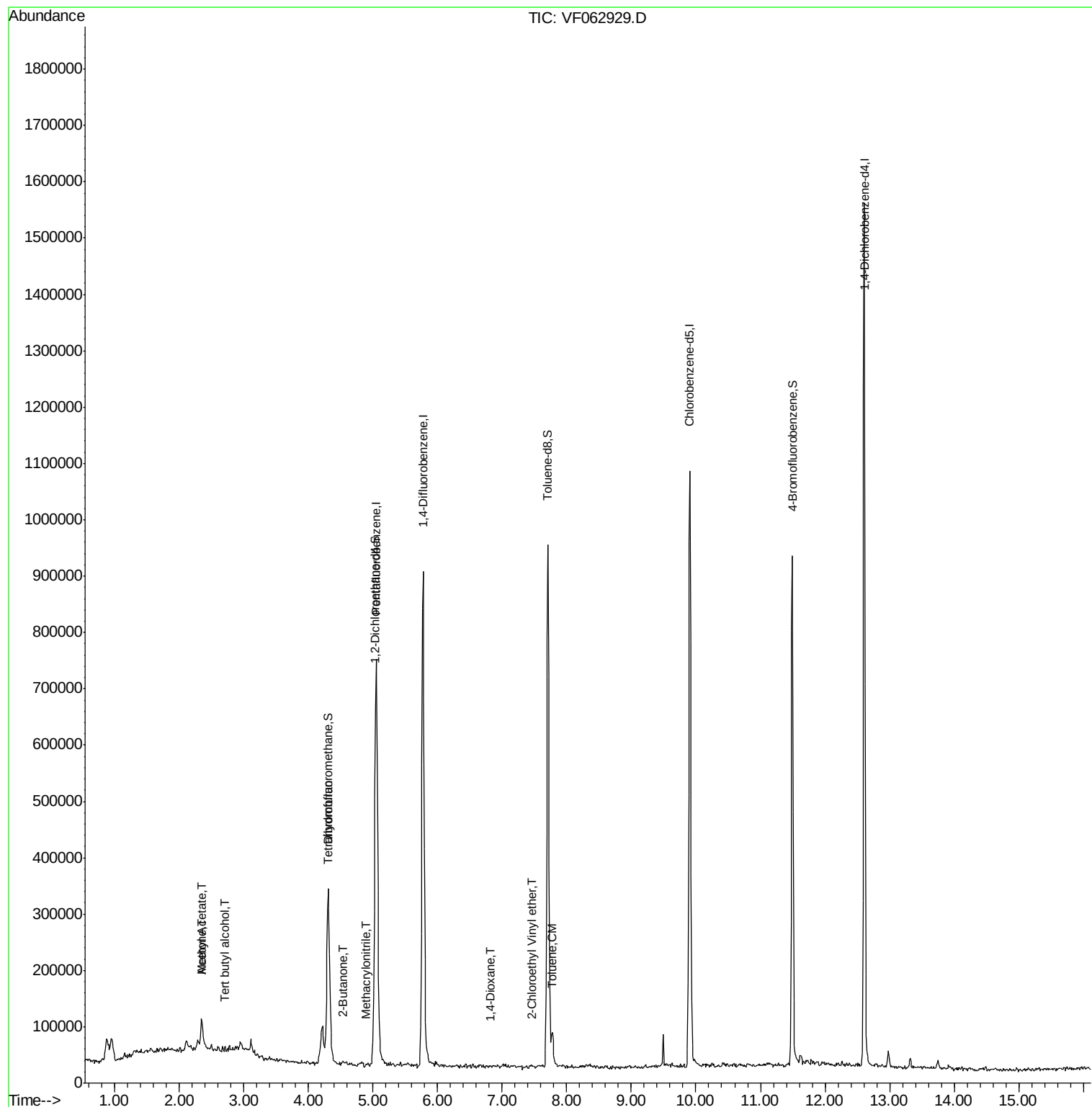
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.04	85	1802	Below Cal		77
11) Tert butyl alcohol	2.71	59	992	3.667 ug/l #		1
13) Acrolein	2.11	56	553	Below Cal #		1
16) Acetone	2.36	43	92936	90.922 ug/l		96
18) Methyl Acetate	2.36	43	91371	51.154 ug/l #		51
20) Methylene Chloride	2.35	84	9182	Below Cal #		84
25) 2-Butanone	4.54	43	9875	4.149 ug/l #		81
29) Tetrahydrofuran	4.29	42	1911	2.099 ug/l #		60
41) Methacrylonitrile	4.90	41	2455	1.127 ug/l #		47
49) 1,4-Dioxane	6.83	88	153	4.350 ug/l #		13
52) Toluene	7.78	92	31096	1.935 ug/l		95
58) 2-Chloroethyl Vinyl ether	7.44	63	2218	1.232 ug/l #		62

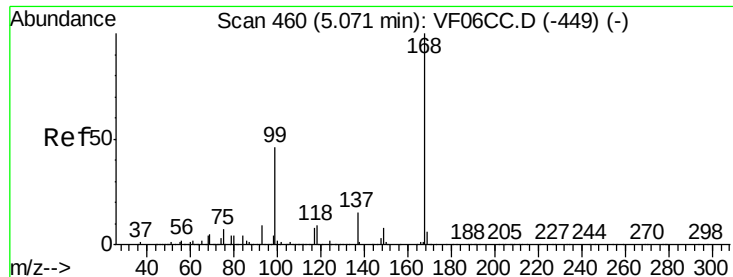
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.02 min

Lab File: VF062929.D

Acq: 12 Jun 2019 15:58

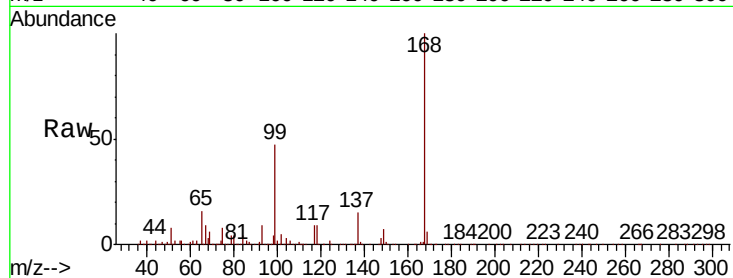
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 645823

Ion Ratio Lower Upper

168 100

99 46.9 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

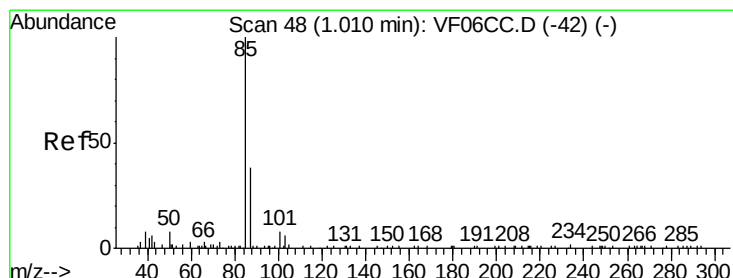
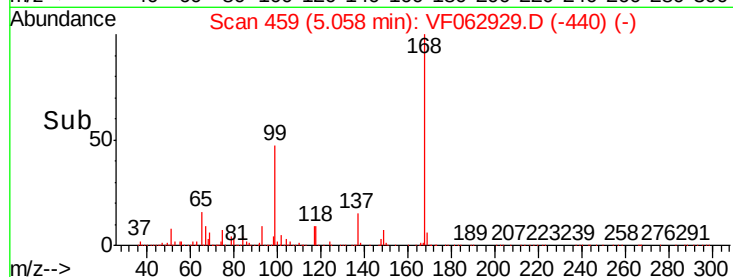
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.04 min Scan# 51

Delta R.T. 0.03 min

Lab File: VF062929.D

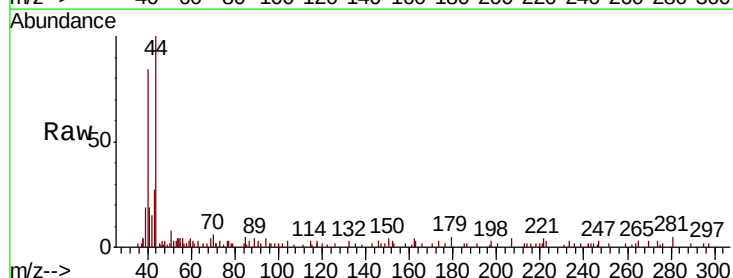
Acq: 12 Jun 2019 15:58

Tgt Ion: 85 Resp: 1802

Ion Ratio Lower Upper

85 100

87 48.5 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.04

500

400

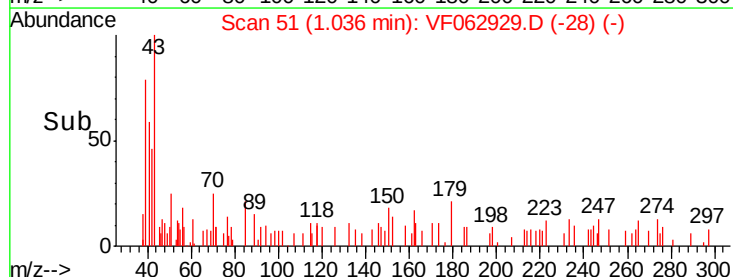
300

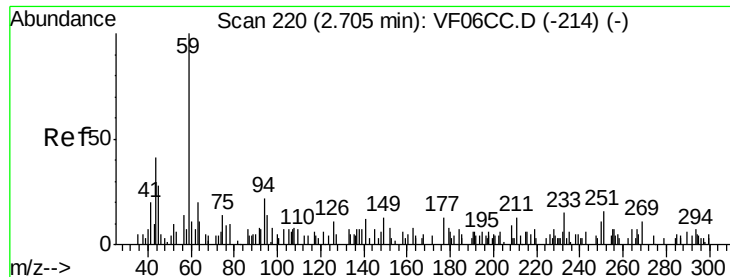
200

100

0

Time--> 0.95 1.00 1.05 1.10

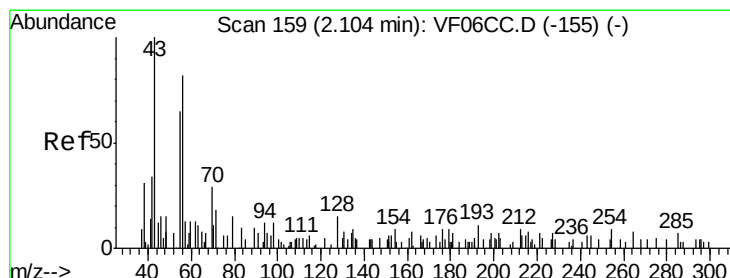
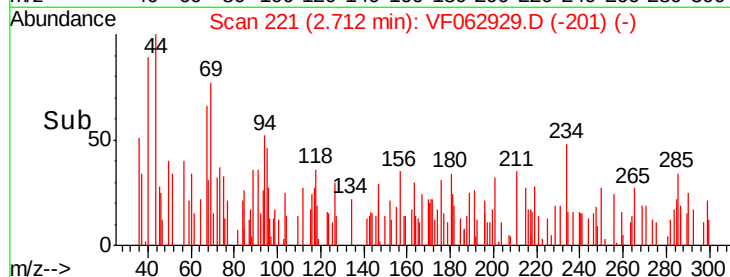
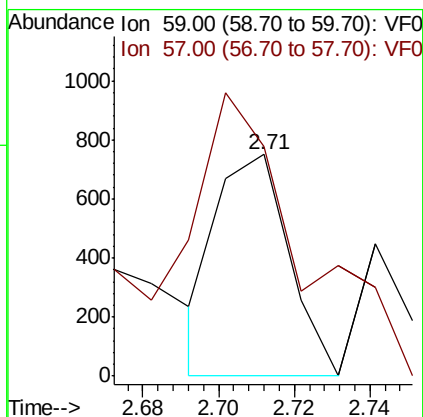
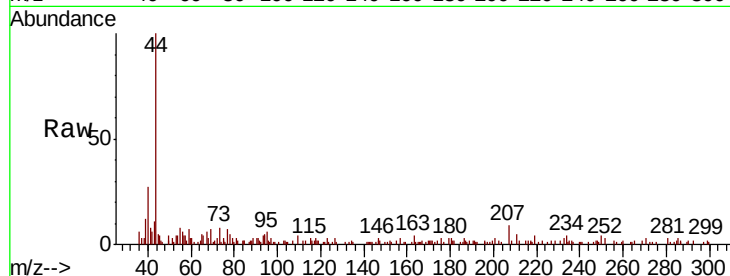




#11
Tert butyl alcohol
Concen: 3.667 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.01 min
Lab File: VF062929.D
Acq: 12 Jun 2019 15:58

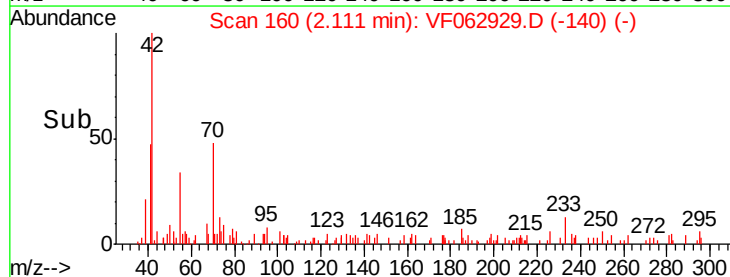
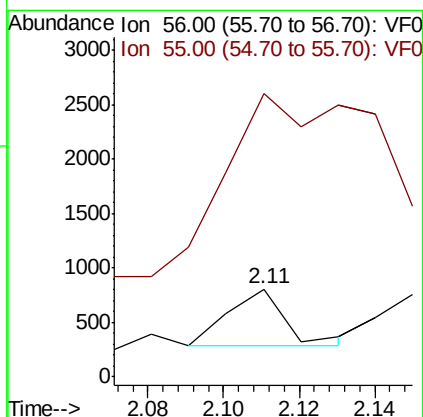
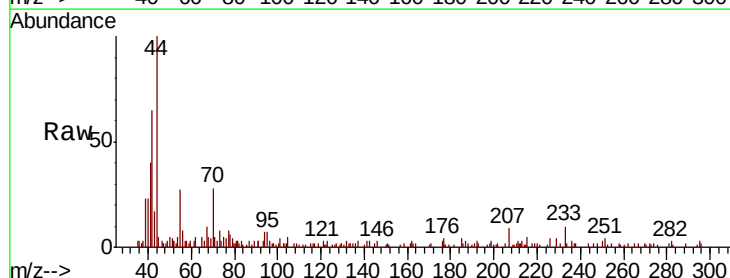
Instrument :
MSVOA_F
ClientSampled :

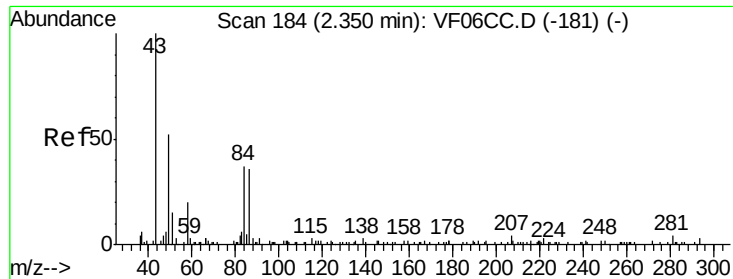
Tot Ion: 59 Resp: 992
Ion Ratio Lower Upper
59 100
57 103.5 9.2 13.8#



#13
Acrolein
Concen: Below Cal
RT: 2.11 min Scan# 160
Delta R.T. -0.00 min
Lab File: VF062929.D
Acq: 12 Jun 2019 15:58

Tgt Ion: 56 Resp: 553
Ion Ratio Lower Upper
56 100
55 322.6 52.9 79.3#

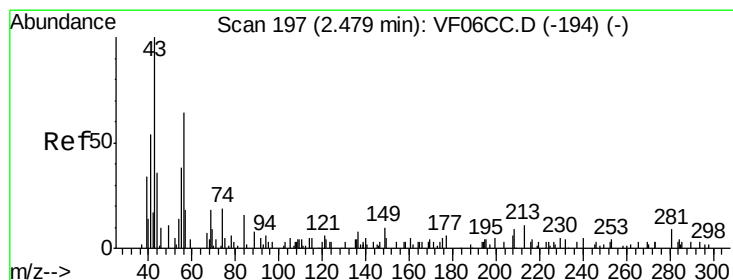
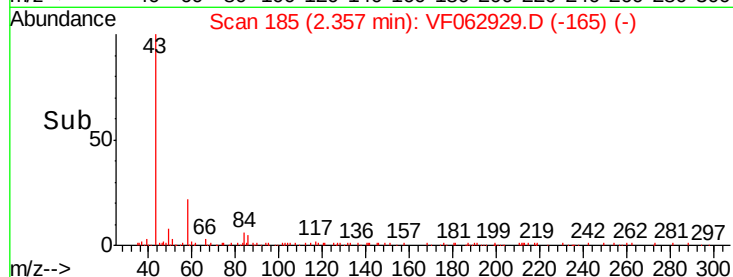
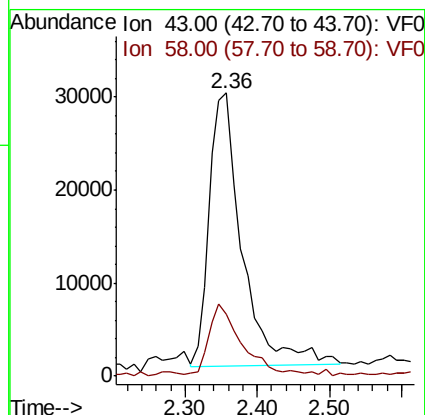
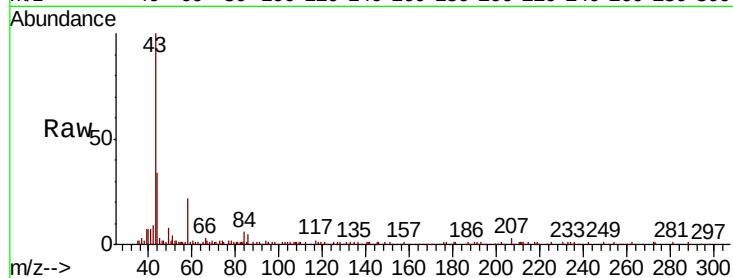




#16
Acetone
Concen: 90.922 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.01 min
Lab File: VF062929.D
Acq: 12 Jun 2019 15:58

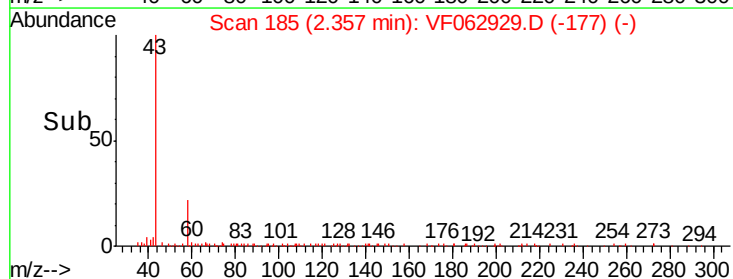
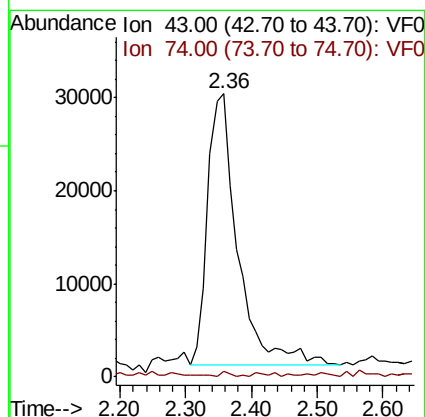
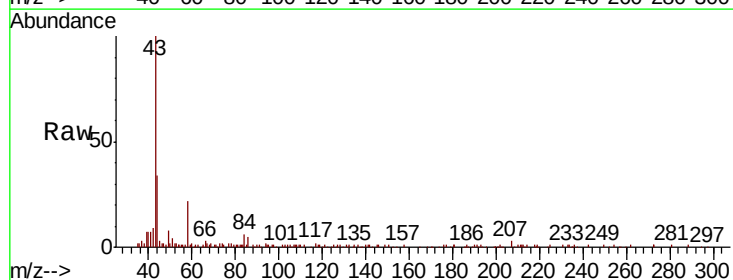
Instrument :
MSVOA_F
ClientSampleId :

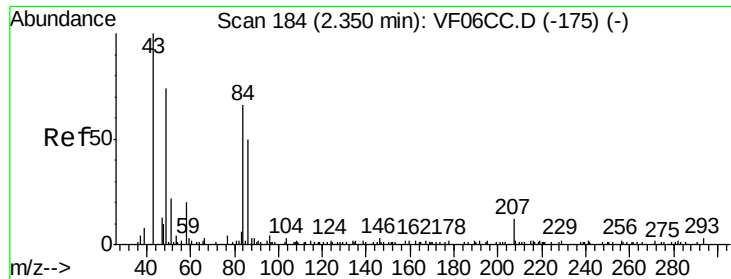
Tot Ion: 43 Resp: 92936
Ion Ratio Lower Upper
43 100
58 21.8 19.0 28.4



#18
Methyl Acetate
Concen: 51.154 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.12 min
Lab File: VF062929.D
Acq: 12 Jun 2019 15:58

Tgt Ion: 43 Resp: 91371
Ion Ratio Lower Upper
43 100
74 1.9 22.1 33.1#

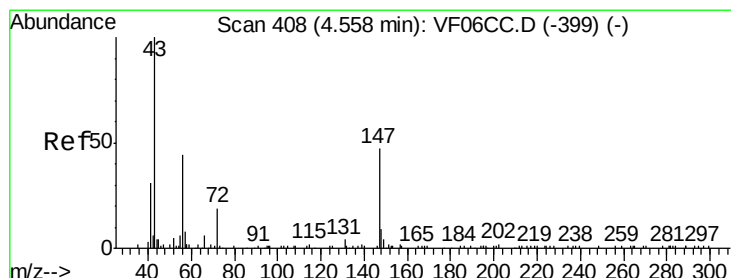
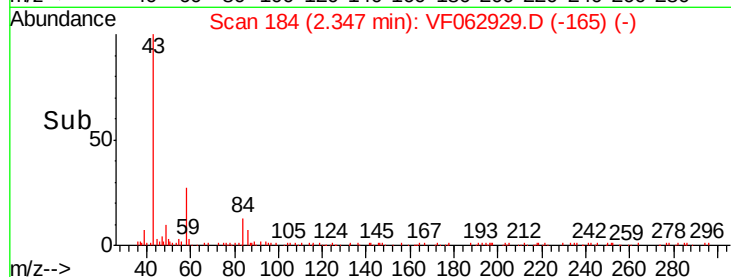
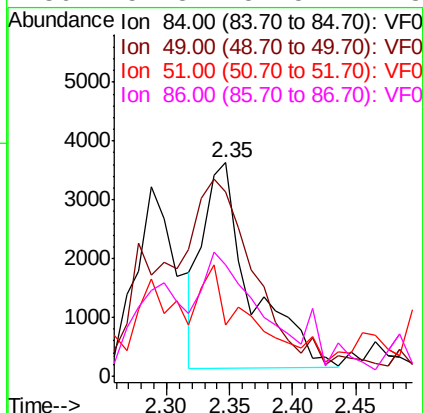
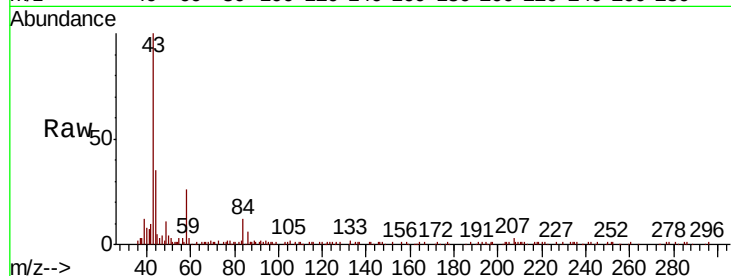




#20
Methylene Chloride
Concen: Below Cal
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062929.D
Acq: 12 Jun 2019 15:58

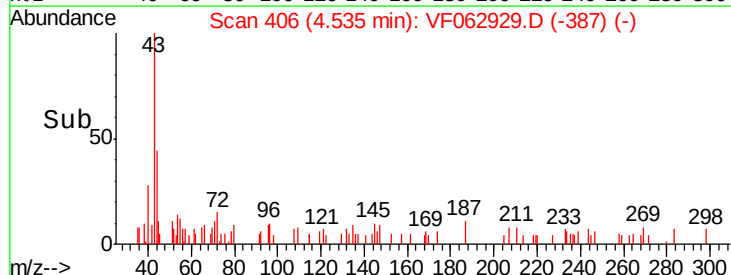
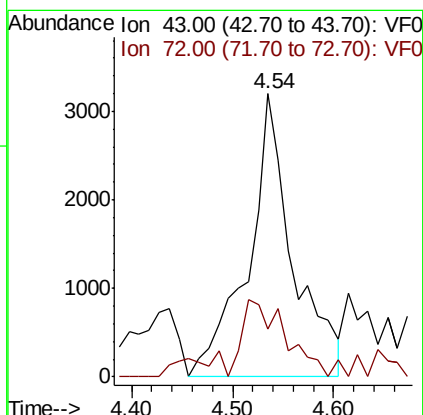
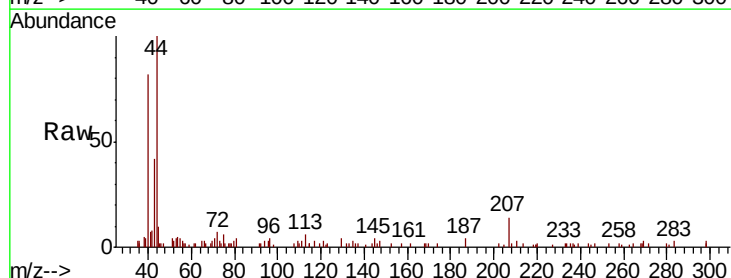
Instrument :
MSVOA_F
ClientSampleId :

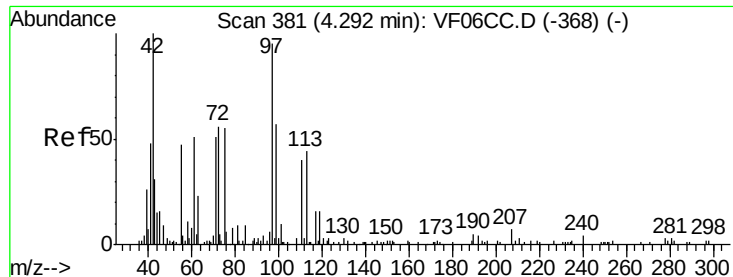
Tot Ion: 84 Resp: 9182
Ion Ratio Lower Upper
84 100
49 86.2 82.6 123.8
51 24.0 25.0 37.4#
86 52.3 51.5 77.3



#25
2-Butanone
Concen: 4.149 ug/l
RT: 4.54 min Scan# 406
Delta R.T. -0.02 min
Lab File: VF062929.D
Acq: 12 Jun 2019 15:58

Tgt Ion: 43 Resp: 9875
Ion Ratio Lower Upper
43 100
72 16.9 21.4 32.0#

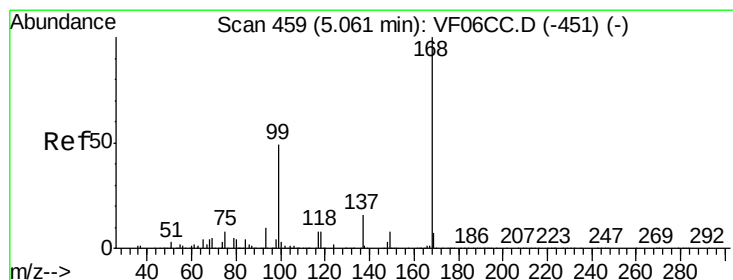
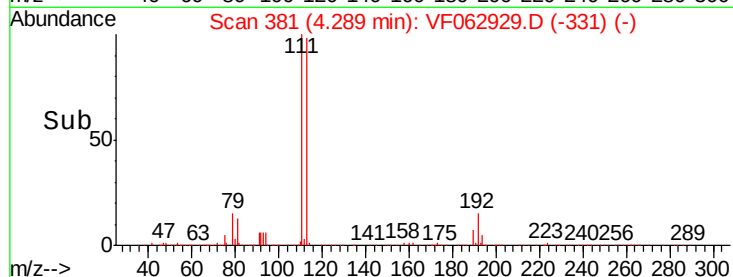
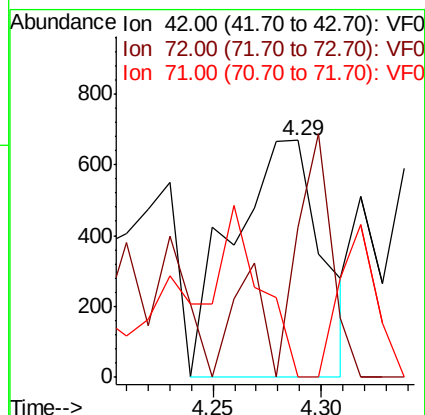
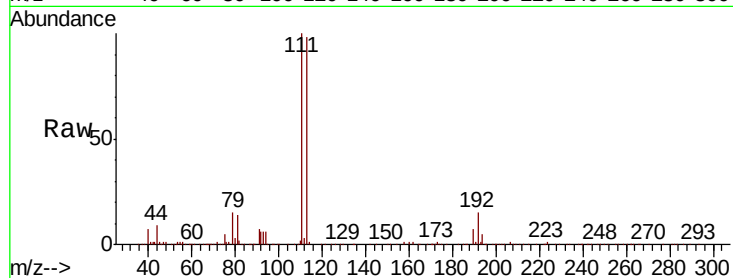




#29
Tetrahydrofuran
Concen: 2.099 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062929.D
Acq: 12 Jun 2019 15:58

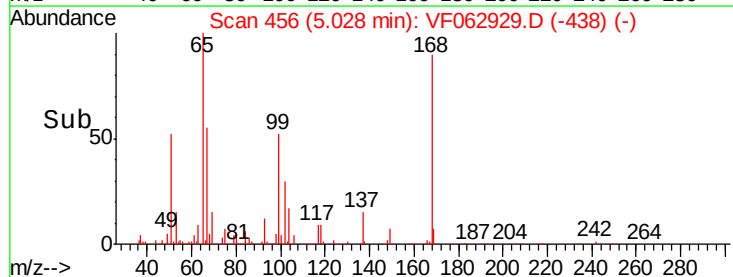
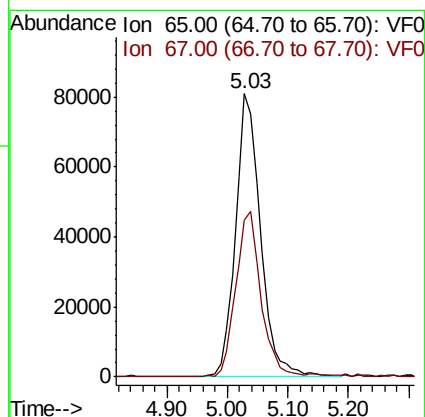
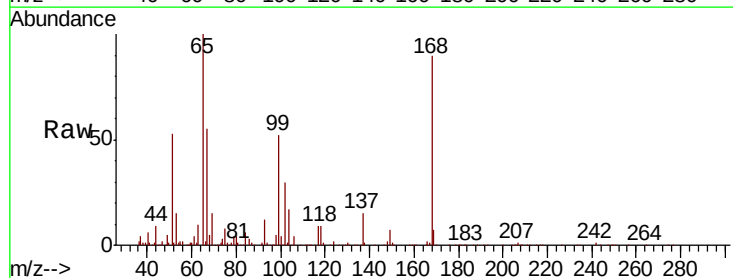
Instrument :
MSVOA_F
ClientSampled :

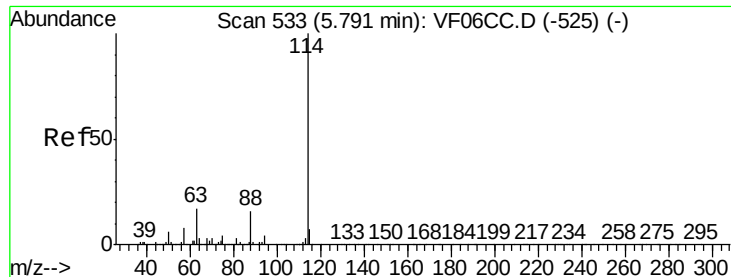
Tot Ion: 42 Resp: 1911
Ion Ratio Lower Upper
42 100
72 56.5 39.0 58.6
71 0.0 36.9 55.3#



#33
1,2-Dichloroethane-d4
Concen: 52.125 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.03 min
Lab File: VF062929.D
Acq: 12 Jun 2019 15:58

Tgt Ion: 65 Resp: 232784
Ion Ratio Lower Upper
65 100
67 55.3 0.0 121.2

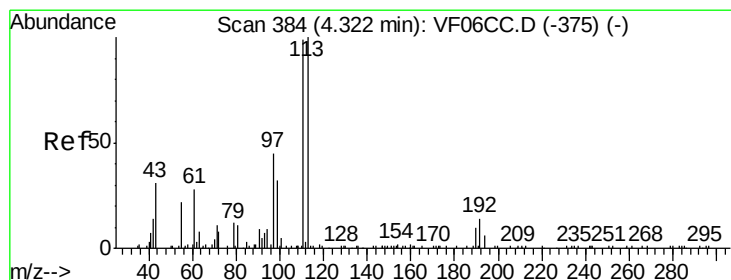
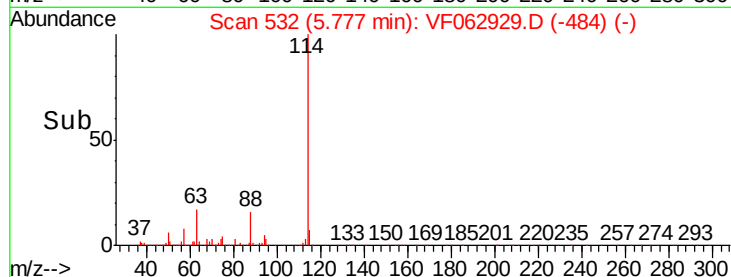
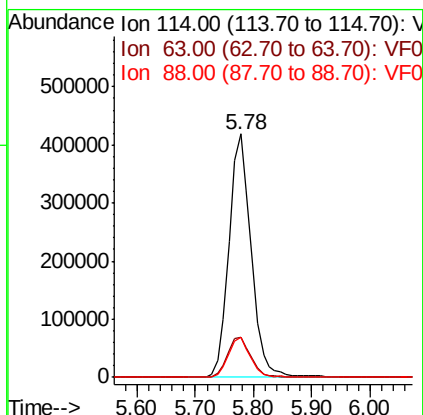
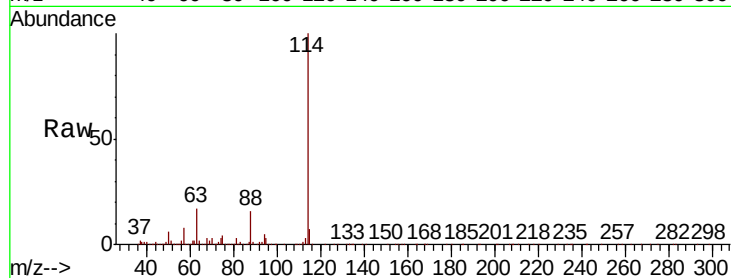




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.78 min Scan# 532
Delta R.T. -0.03 min
Lab File: VF062929.D
Acq: 12 Jun 2019 15:58

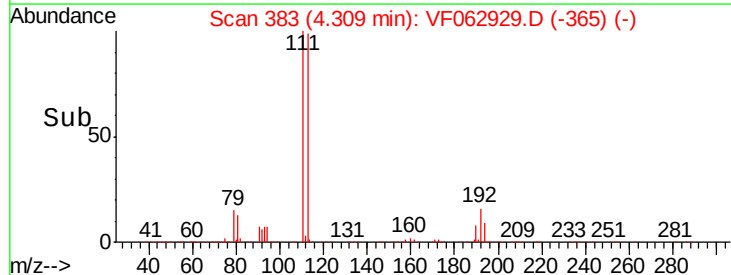
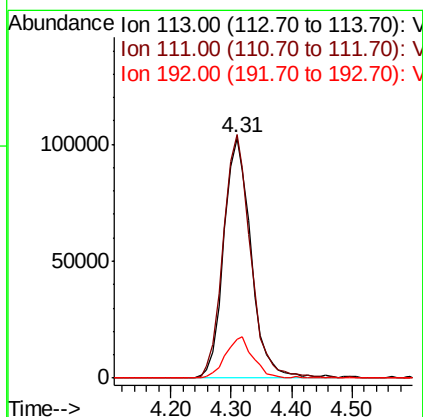
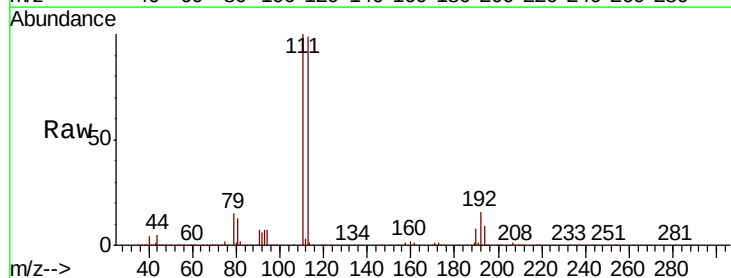
Instrument :
MSVOA_F
ClientSampleId :

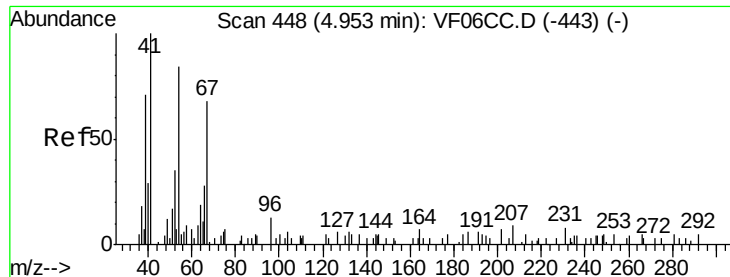
Tot Ion:114 Resp: 1113669
Ion Ratio Lower Upper
114 100
63 16.7 0.0 34.2
88 16.4 0.0 31.2



#35
Dibromofluoromethane
Concen: 38.282 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.03 min
Lab File: VF062929.D
Acq: 12 Jun 2019 15:58

Tgt Ion:113 Resp: 322162
Ion Ratio Lower Upper
113 100
111 101.3 81.9 122.9
192 16.3 15.1 22.7

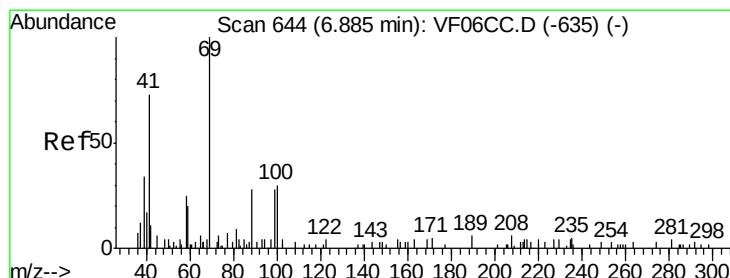
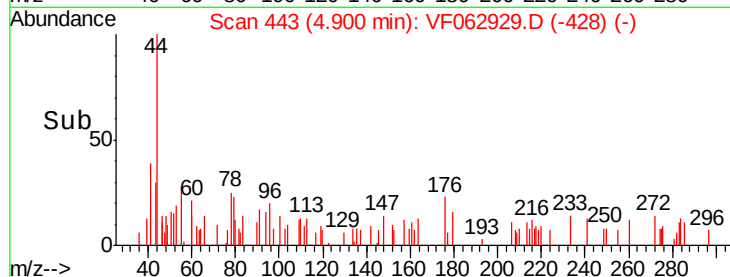
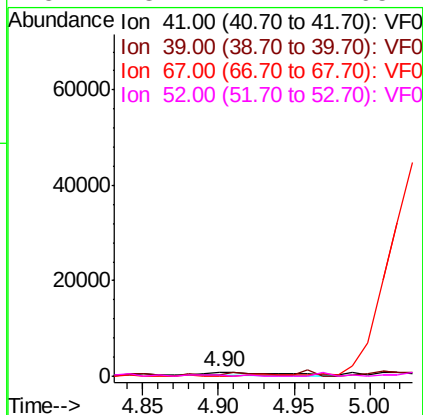
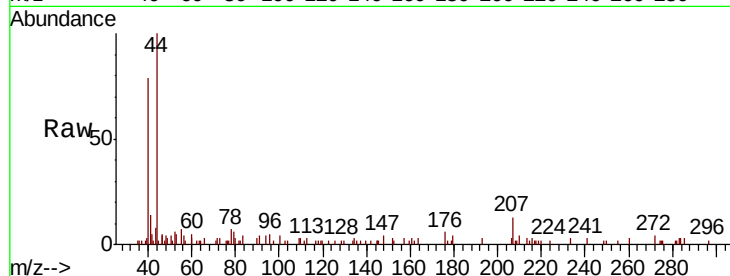




#41
Methacrylonitrile
Concen: 1.127 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.05 min
Lab File: VF062929.D
Acq: 12 Jun 2019 15:58

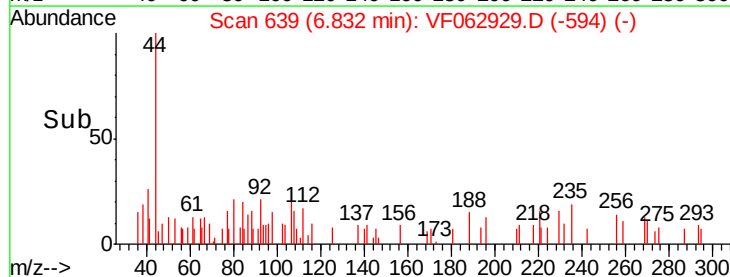
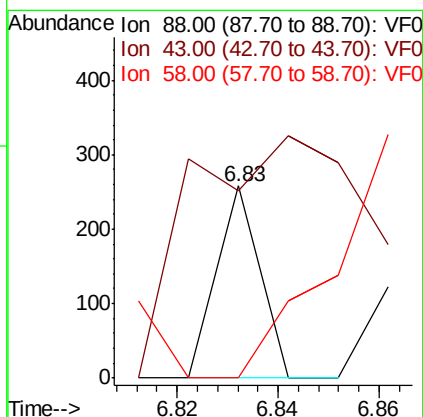
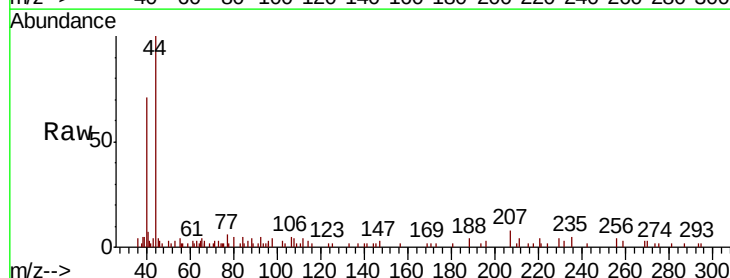
Instrument :
MSVOA_F
ClientSampleId :

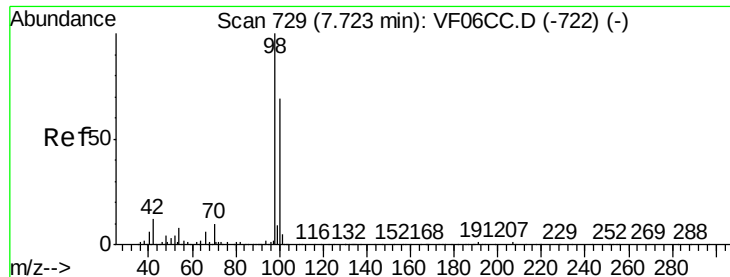
Tot Ion:	41	Resp:	2455
Ion	Ratio	Lower	Upper
41	100		
39	24.3	42.0	63.0#
67	0.0	61.4	92.0#
52	43.2	42.1	63.1



#49
1,4-Dioxane
Concen: 4.350 ug/l
RT: 6.83 min Scan# 639
Delta R.T. -0.05 min
Lab File: VF062929.D
Acq: 12 Jun 2019 15:58

Tgt Ion:	88	Resp:	153
Ion	Ratio	Lower	Upper
88	100		
43	97.7	34.8	52.2#
58	0.0	59.9	89.9#

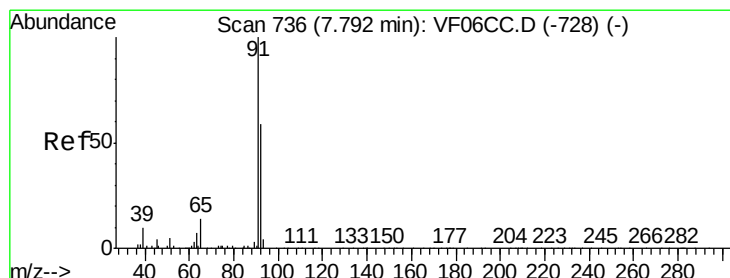
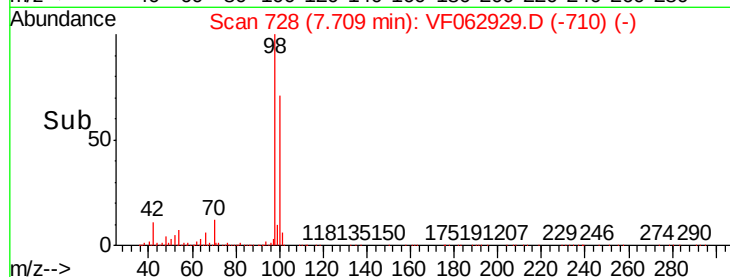
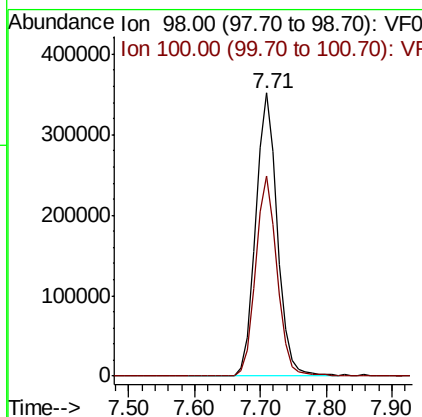
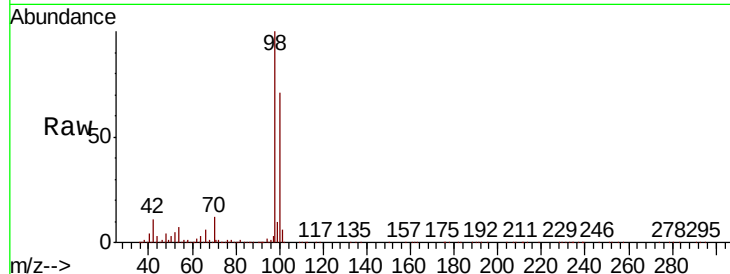




#50
Toluene-d8
Concen: 38.100 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.03 min
Lab File: VF062929.D
Acq: 12 Jun 2019 15:58

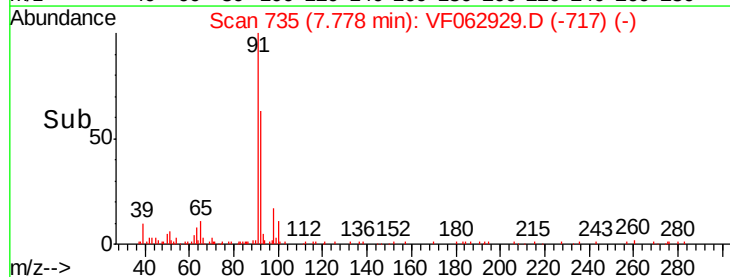
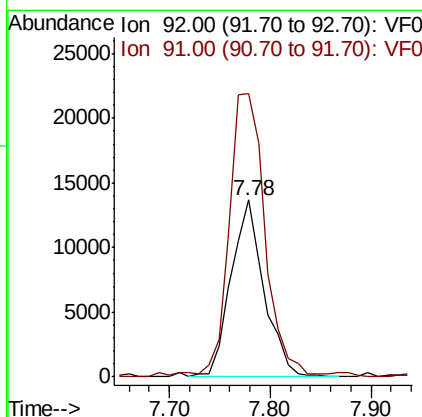
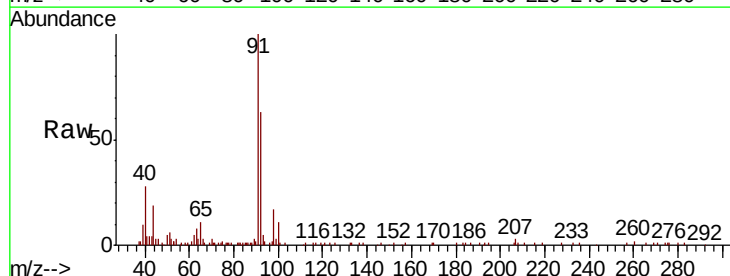
Instrument :
MSVOA_F
ClientSampleId :

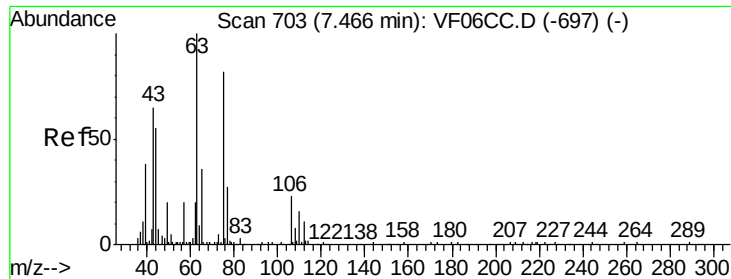
Tot Ion: 98 Resp: 810800
Ion Ratio Lower Upper
98 100
100 70.6 59.8 89.8



#52
Toluene
Concen: 1.935 ug/l
RT: 7.78 min Scan# 735
Delta R.T. -0.03 min
Lab File: VF062929.D
Acq: 12 Jun 2019 15:58

Tgt Ion: 92 Resp: 31096
Ion Ratio Lower Upper
92 100
91 159.9 123.2 184.8

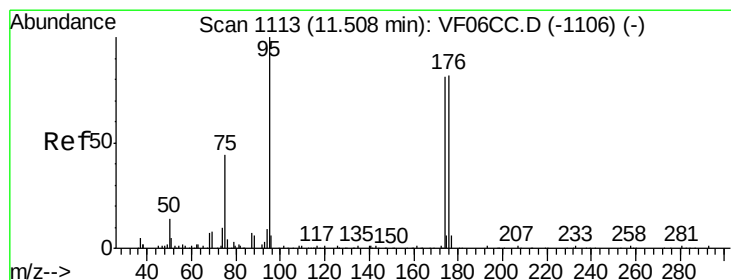
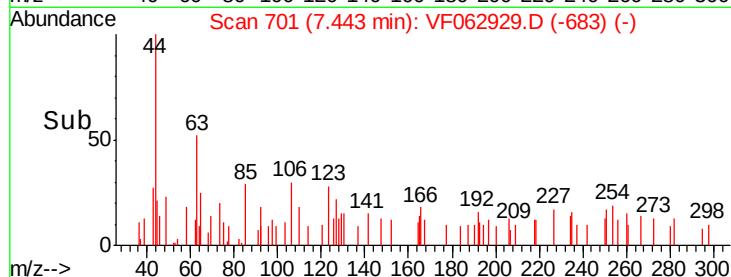
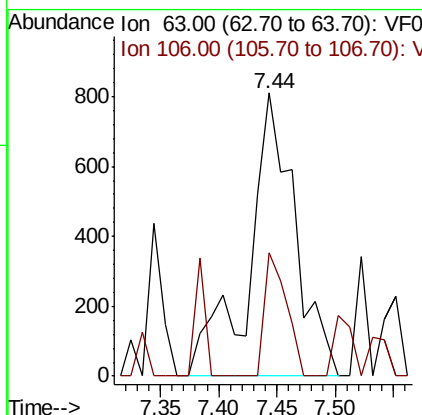
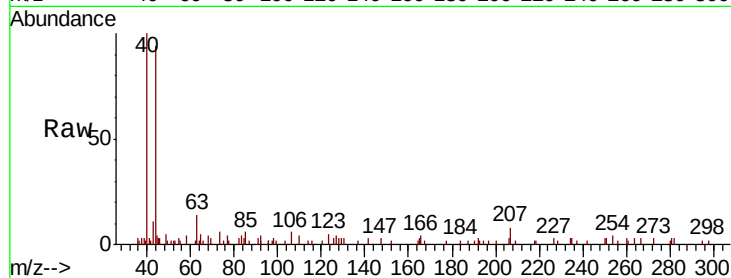




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.232 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. -0.03 min
 Lab File: VF062929.D
 Acq: 12 Jun 2019 15:58

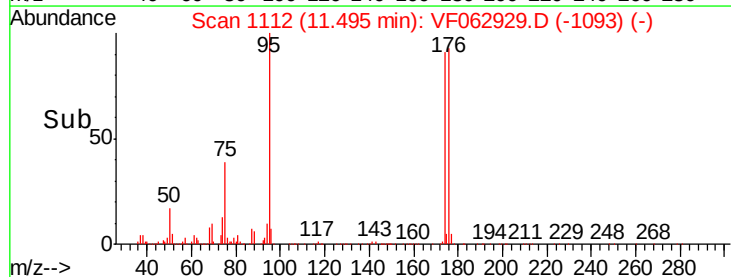
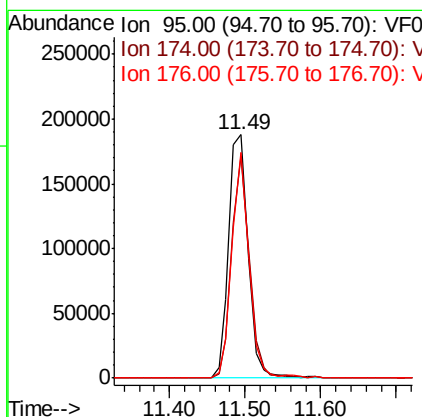
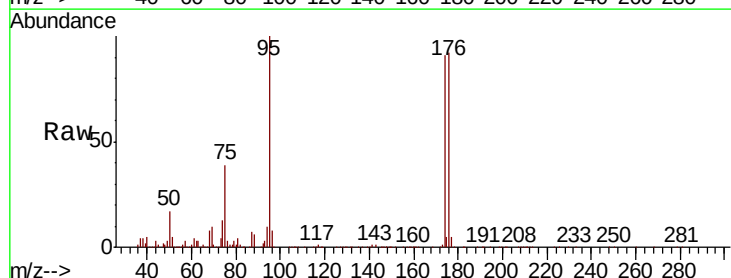
Instrument :
 MSVOA_F
 ClientSampled :

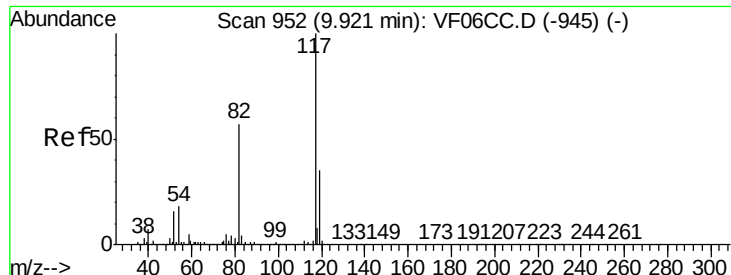
Tot Ion: 63 Resp: 2218
 Ion Ratio Lower Upper
 63 100
 106 43.5 19.5 29.3#



#62
 4-Bromofluorobenzene
 Concen: 43.961 ug/l
 RT: 11.49 min Scan# 1112
 Delta R.T. -0.02 min
 Lab File: VF062929.D
 Acq: 12 Jun 2019 15:58

Tgt Ion: 95 Resp: 336519
 Ion Ratio Lower Upper
 95 100
 174 91.2 0.0 170.6
 176 92.4 0.0 170.6

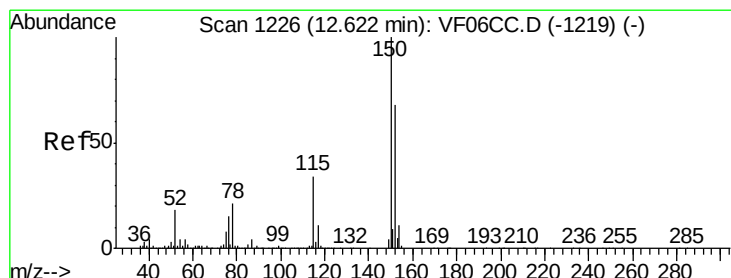
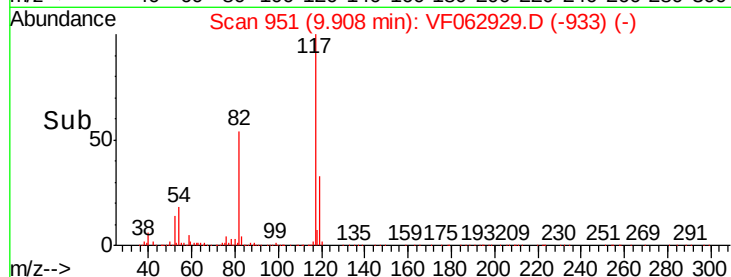
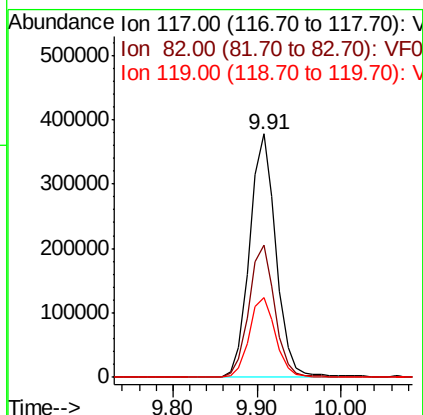
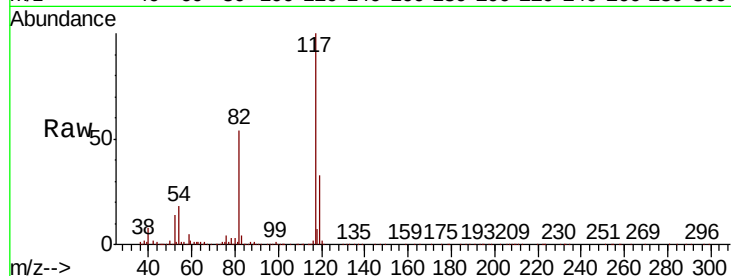




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF062929.D
Acq: 12 Jun 2019 15:58

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 830649
Ion Ratio Lower Upper
117 100
82 54.4 42.4 63.6
119 32.9 27.1 40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VF062929.D
Acq: 12 Jun 2019 15:58

Tgt Ion:152 Resp: 398398
Ion Ratio Lower Upper
152 100
115 51.4 24.6 74.0
150 148.8 0.0 290.6

