

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062869.D
 Acq On : 5 Jun 2019 17:02
 Operator : FY/SY
 Sample : K3172-02RE
 Misc : 4.22g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 06 08:02:46 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	5.08	168	614241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1068270	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	783471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	208353	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	202008	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
35) Dibromofluoromethane	4.33	113	20484	2.54	ug/l	0.00
Spiked Amount			Recovery	=	5.08%	
50) Toluene-d8	7.73	98	742250	36.36	ug/l	0.00
Spiked Amount			Recovery	=	72.72%	
62) 4-Bromofluorobenzene	11.50	95	225608	30.72	ug/l	0.00
Spiked Amount			Recovery	=	61.44%	

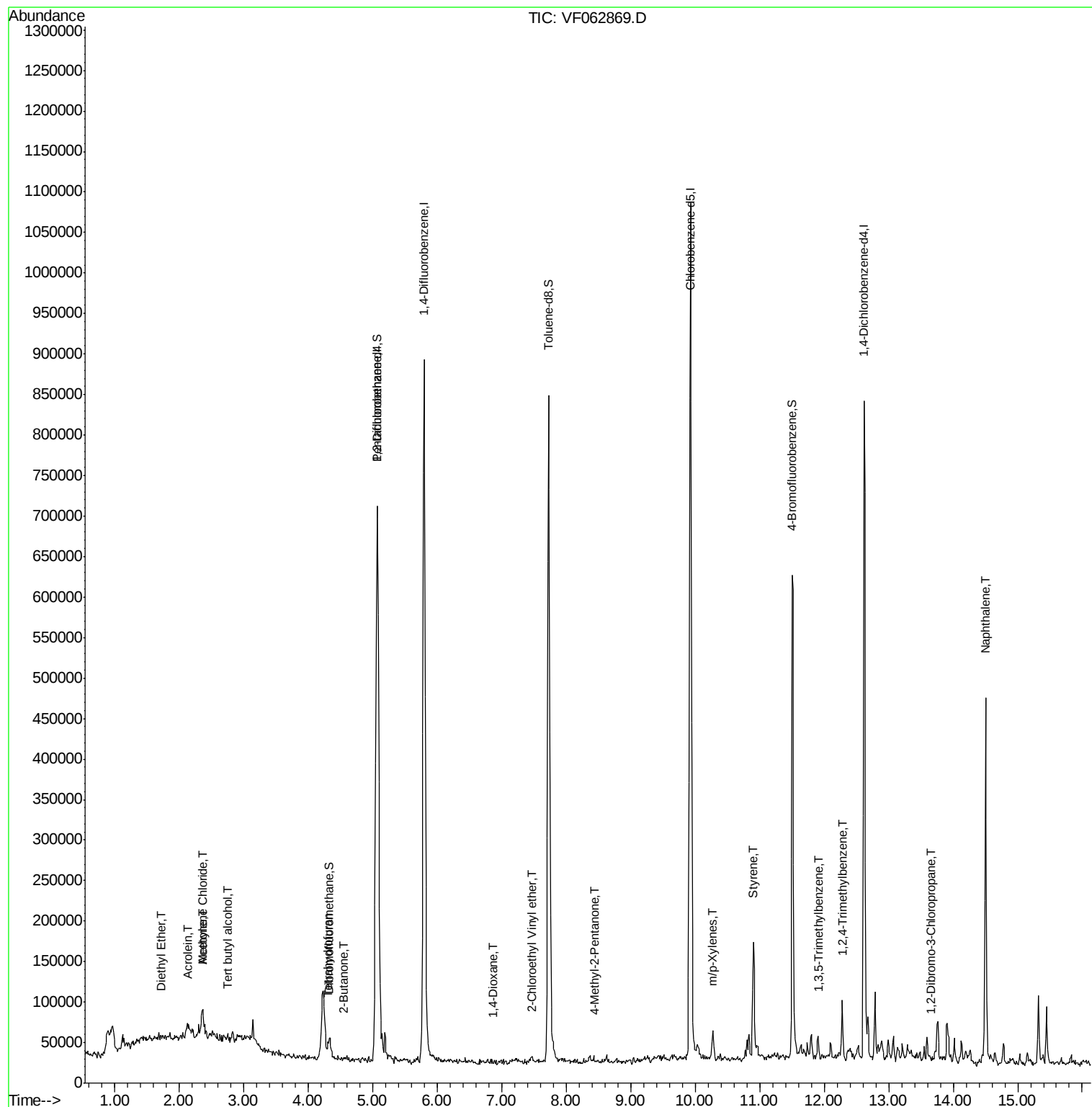
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	599	Below Cal		95
8) Diethyl Ether	1.72	74	1905	1.083	ug/l	73
11) Tert butyl alcohol	2.74	59	1306	5.076	ug/l #	1
13) Acrolein	2.12	56	1121	2.815	ug/l #	1
16) Acetone	2.37	43	26191	26.941	ug/l	96
20) Methylene Chloride	2.36	84	27433	2.817	ug/l #	91
25) 2-Butanone	4.55	43	2703	1.194	ug/l	91
29) Tetrahydrofuran	4.30	42	2723	3.145	ug/l #	55
49) 1,4-Dioxane	6.87	88	140	4.150	ug/l #	1
51) 4-Methyl-2-Pentanone	8.45	43	5023	1.417	ug/l #	78
58) 2-Chloroethyl Vinyl ether	7.47	63	3850	2.229	ug/l #	68
68) m/p-Xylenes	10.28	106	12667	1.275	ug/l	94
70) Styrene	10.90	104	72149	4.866	ug/l	92
80) 1,3,5-Trimethylbenzene	11.91	105	12823	1.079	ug/l	93
84) 1,2,4-Trimethylbenzene	12.28	105	36767	3.262	ug/l	87
92) 1,2-Dibromo-3-Chloropropan	13.65	75	506	1.496	ug/l #	1
95) Naphthalene	14.50	128	298014	46.789	ug/l	99

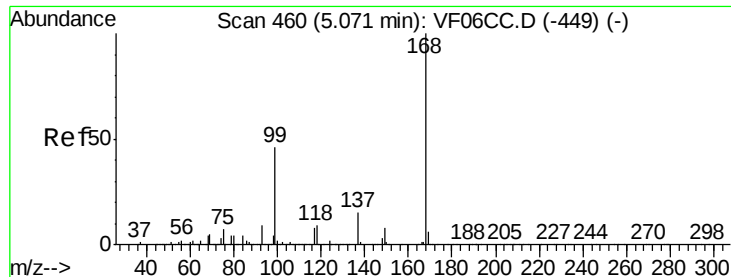
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Jun 06 08:02:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.00 min

Lab File: VF062869.D

Acq: 5 Jun 2019 17:02

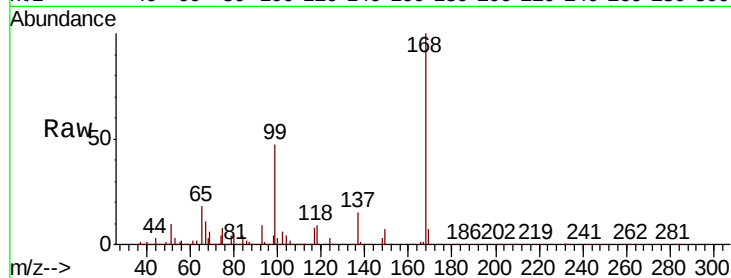
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 614241

Ion Ratio Lower Upper

168 100

99 46.6 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

200000

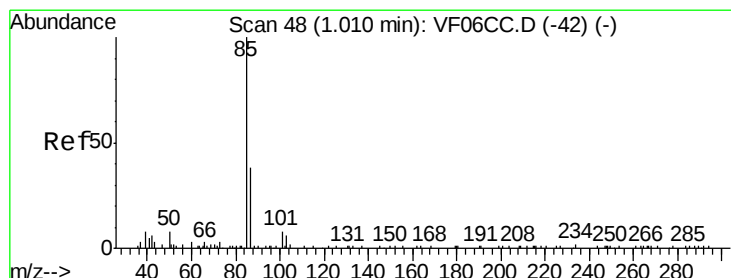
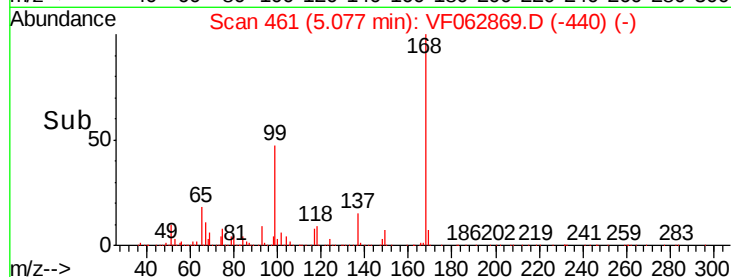
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.01 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF062869.D

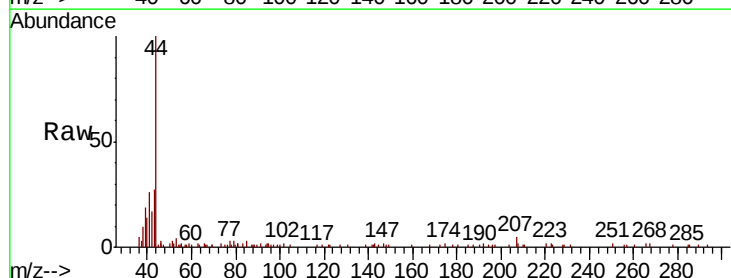
Acq: 5 Jun 2019 17:02

Tgt Ion: 85 Resp: 599

Ion Ratio Lower Upper

85 100

87 32.6 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

400

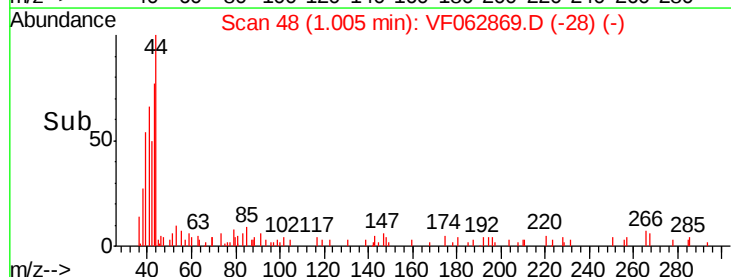
300

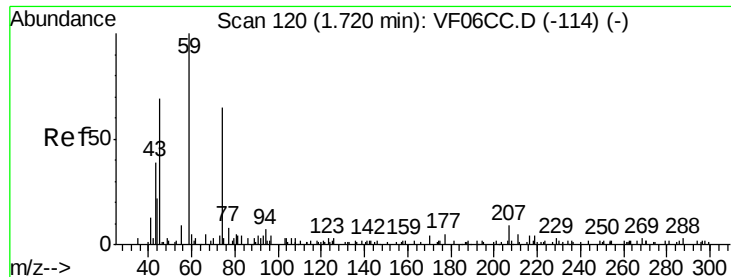
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.083 ug/l

RT: 1.72 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF062869.D

Acq: 5 Jun 2019 17:02

Instrument :

MSVOA_F

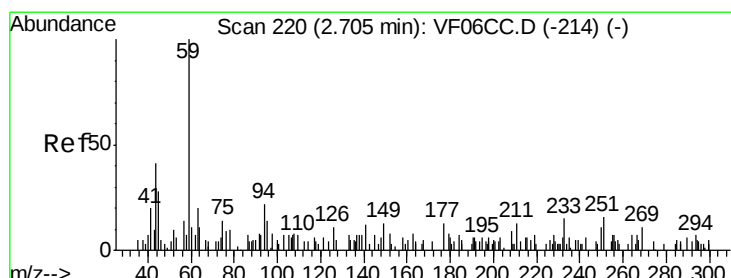
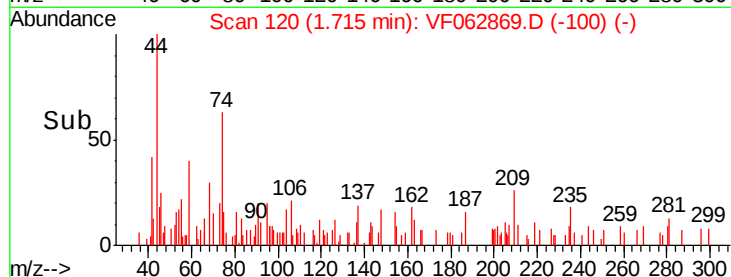
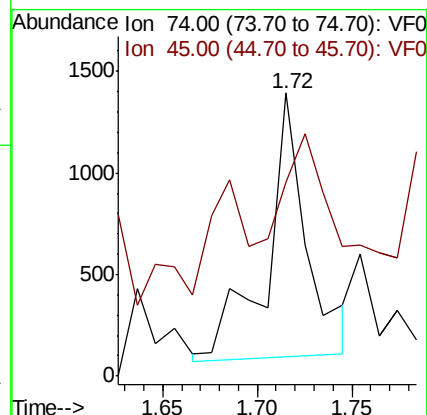
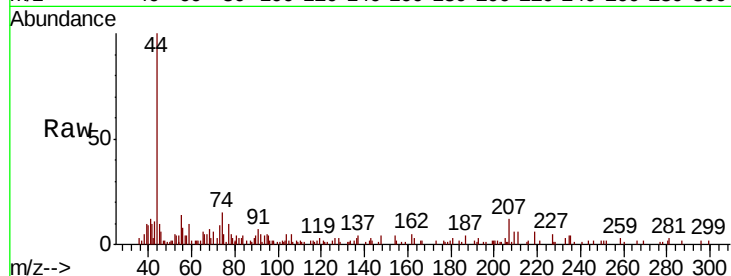
ClientSampleId :

Tot Ion: 74 Resp: 1905

Ion Ratio Lower Upper

74 100

45 68.4 47.5 142.5



#11

Tert butyl alcohol

Concen: 5.076 ug/l

RT: 2.74 min Scan# 224

Delta R.T. 0.02 min

Lab File: VF062869.D

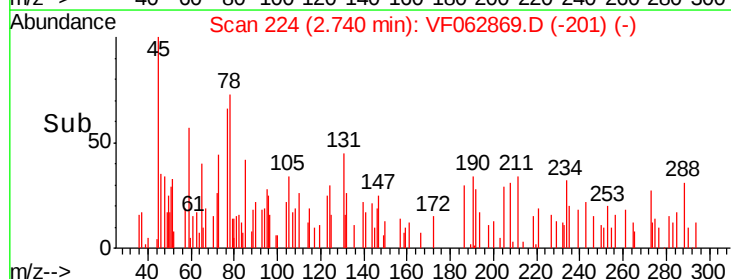
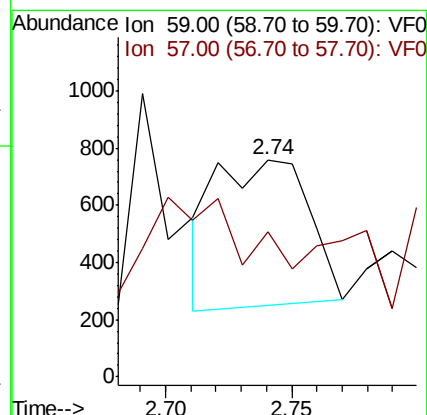
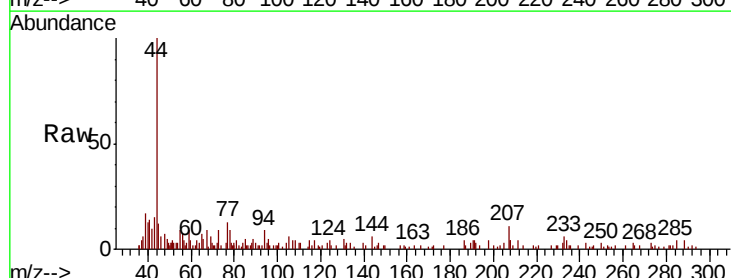
Acq: 5 Jun 2019 17:02

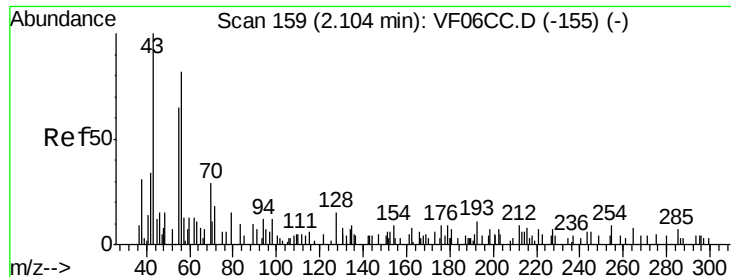
Tgt Ion: 59 Resp: 1306

Ion Ratio Lower Upper

59 100

57 66.6 9.2 13.8#

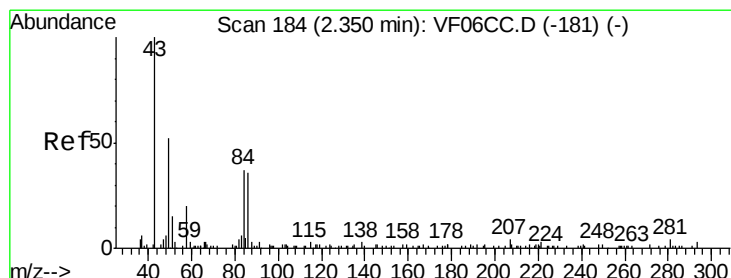
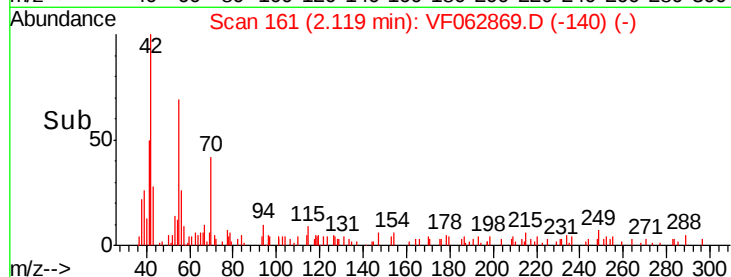
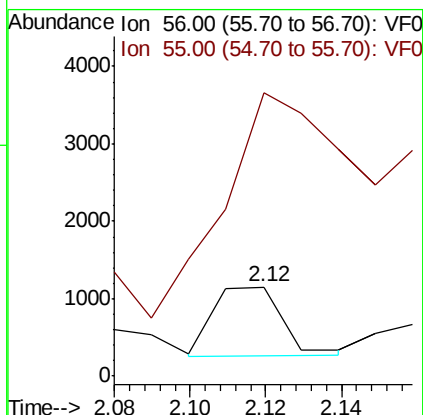
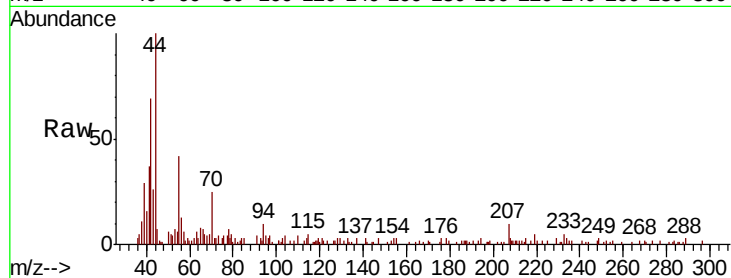




#13
Acrolein
Concen: 2.815 ug/l
RT: 2.12 min Scan# 161
Delta R.T. 0.00 min
Lab File: VF062869.D
Acq: 5 Jun 2019 17:02

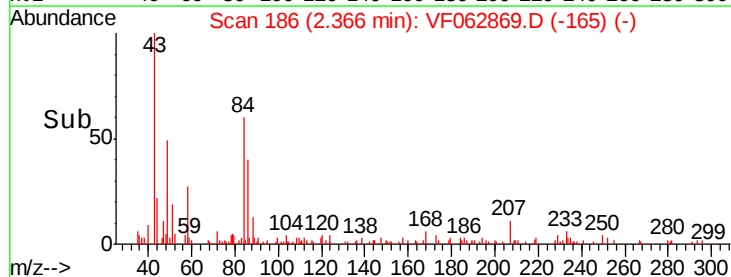
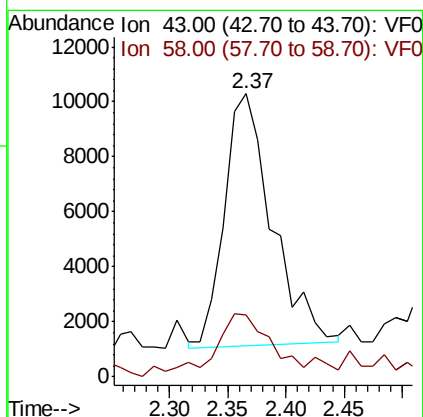
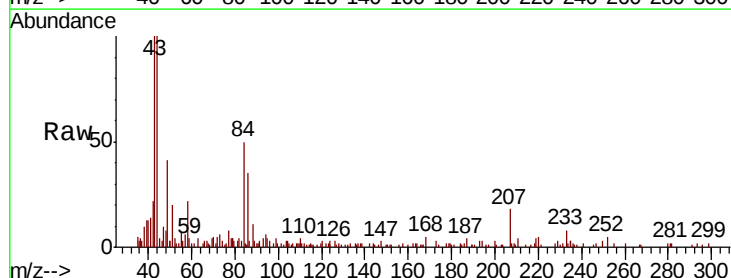
Instrument :
MSVOA_F
ClientSampleId :

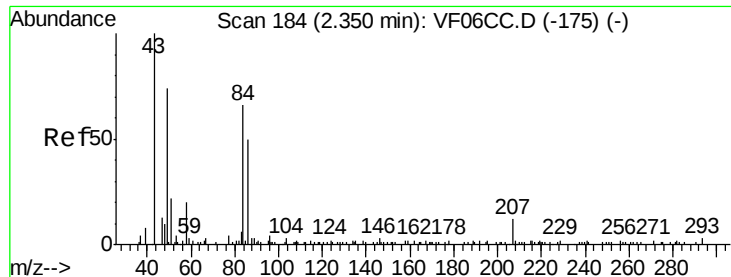
Tot Ion: 56 Resp: 1121
Ion Ratio Lower Upper
56 100
55 316.8 52.9 79.3#



#16
Acetone
Concen: 26.941 ug/l
RT: 2.37 min Scan# 186
Delta R.T. 0.00 min
Lab File: VF062869.D
Acq: 5 Jun 2019 17:02

Tgt Ion: 43 Resp: 26191
Ion Ratio Lower Upper
43 100
58 21.9 19.0 28.4

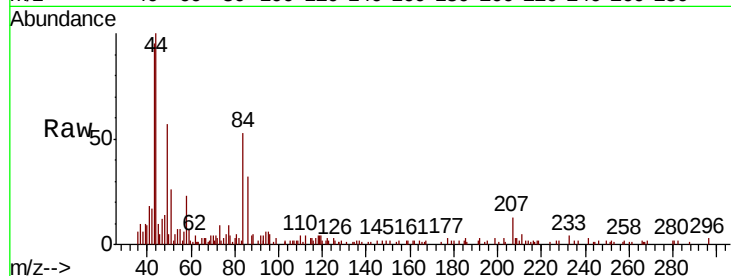




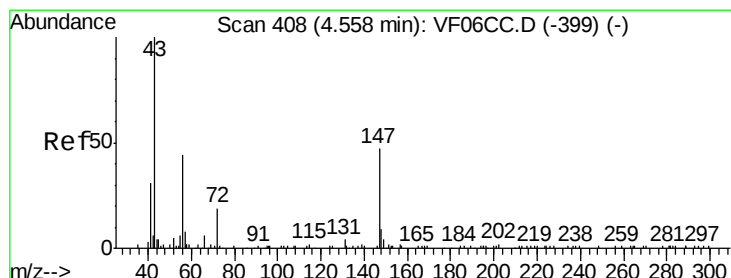
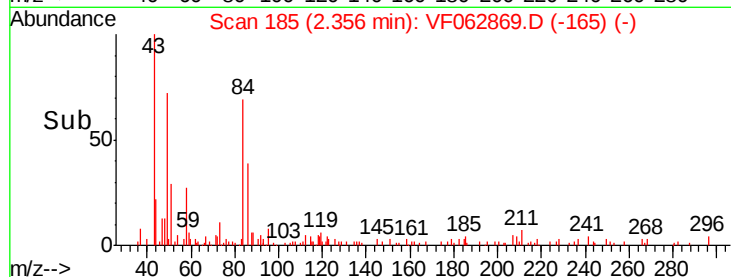
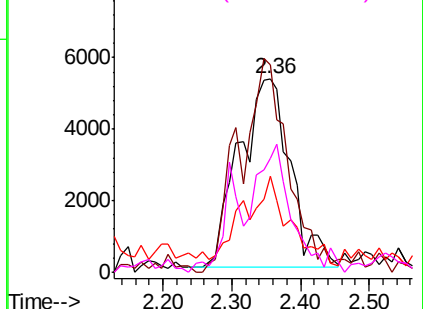
#20
Methvlene Chloride
Concen: 2.817 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.01 min
Lab File: VF062869.D
Acq: 5 Jun 2019 17:02

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 84 Resp: 27433
Ion Ratio Lower Upper
84 100
49 107.2 82.6 123.8
51 49.5 25.0 37.4#
86 59.1 51.5 77.3

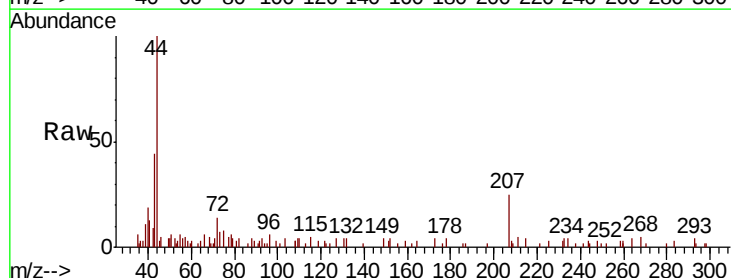


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

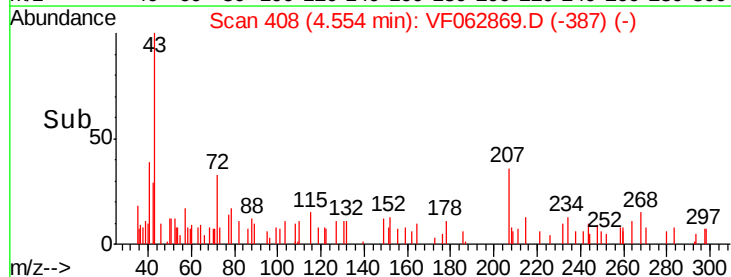
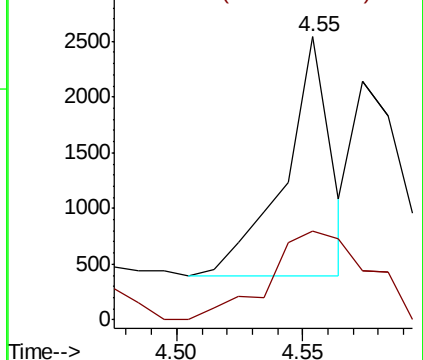


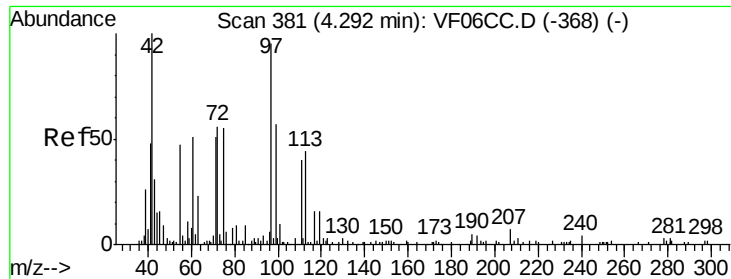
#25
2-Butanone
Concen: 1.194 ug/l
RT: 4.55 min Scan# 408
Delta R.T. 0.00 min
Lab File: VF062869.D
Acq: 5 Jun 2019 17:02

Tgt Ion: 43 Resp: 2703
Ion Ratio Lower Upper
43 100
72 31.3 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0

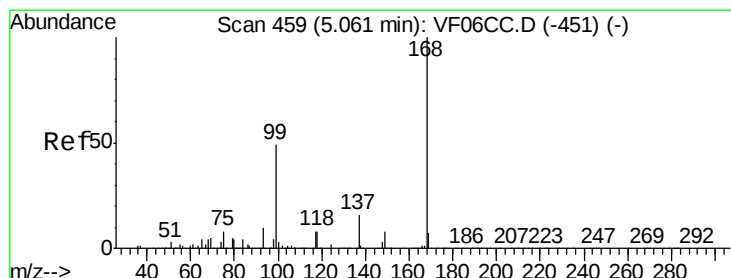
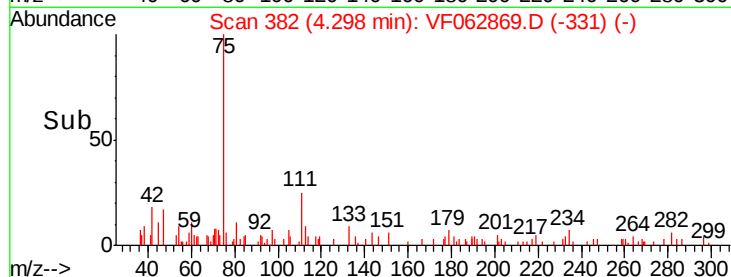
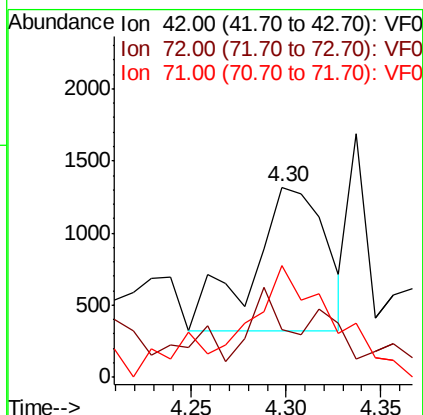
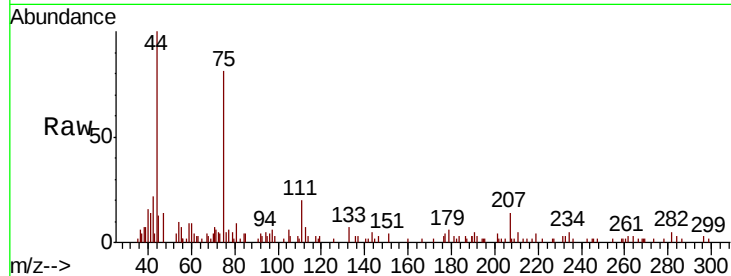




#29
Tetrahydrofuran
Concen: 3.145 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF062869.D
Acq: 5 Jun 2019 17:02

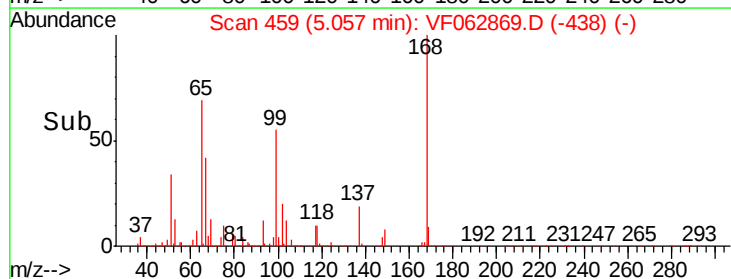
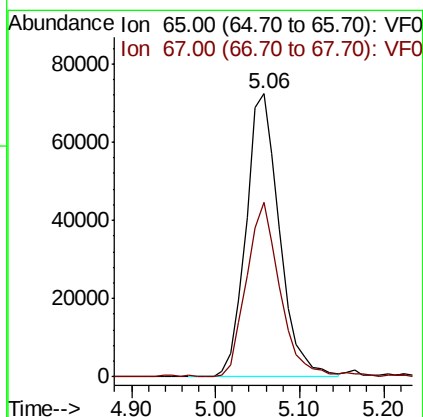
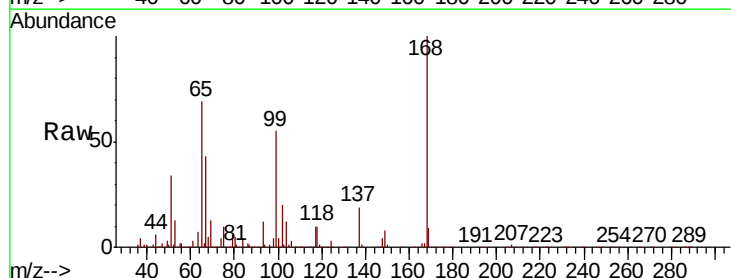
Instrument :
MSVOA_F
ClientSampled :

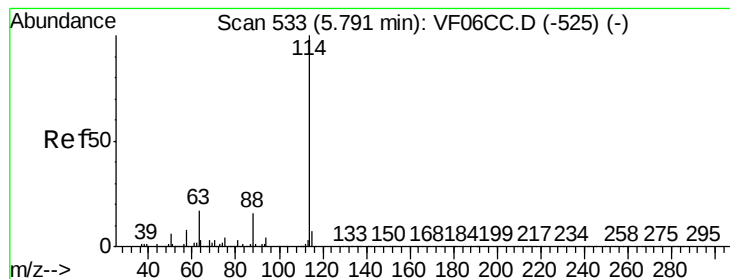
Tot Ion: 42 Resp: 2723
Ion Ratio Lower Upper
42 100
72 43.2 39.0 58.6
71 101.6 36.9 55.3#



#33
1,2-Dichloroethane-d4
Concen: 47.559 ug/l
RT: 5.06 min Scan# 459
Delta R.T. 0.00 min
Lab File: VF062869.D
Acq: 5 Jun 2019 17:02

Tgt Ion: 65 Resp: 202008
Ion Ratio Lower Upper
65 100
67 61.6 0.0 121.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.01 min

Lab File: VF062869.D

Acq: 5 Jun 2019 17:02

Instrument :

MSVOA_F

ClientSampleId :

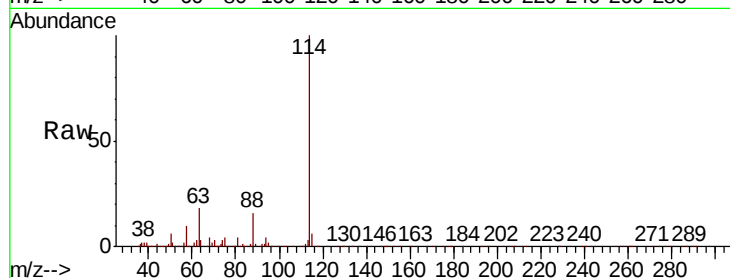
Tot Ion:114 Resp: 1068270

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.2

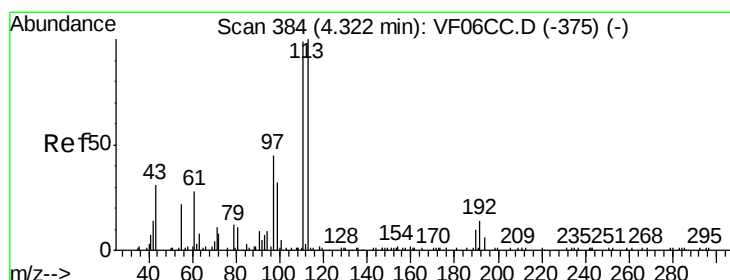
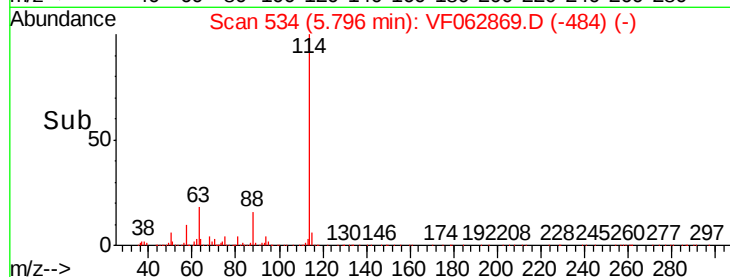
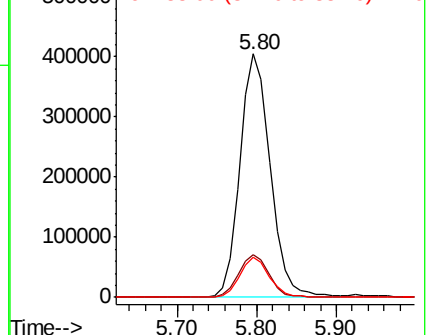
88 16.5 0.0 31.2



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: 2.538 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VF062869.D

Acq: 5 Jun 2019 17:02

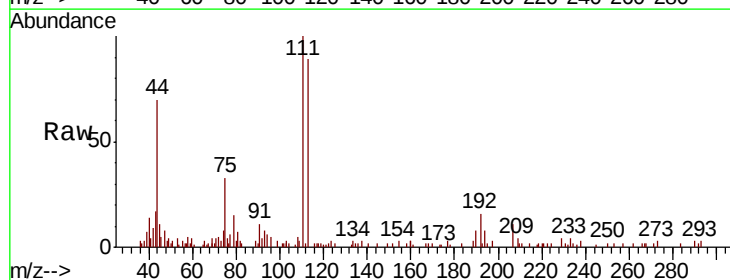
Tgt Ion:113 Resp: 20484

Ion Ratio Lower Upper

113 100

111 115.4 81.9 122.9

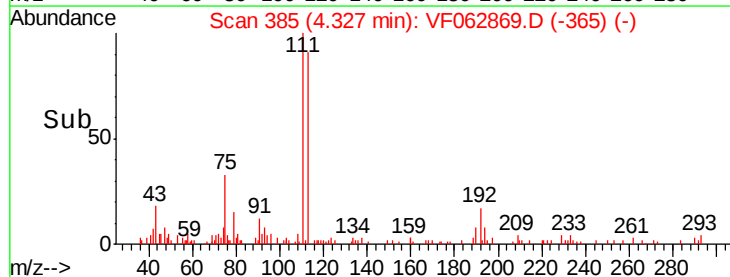
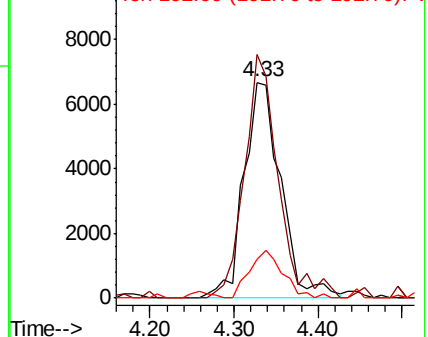
192 18.1 15.1 22.7

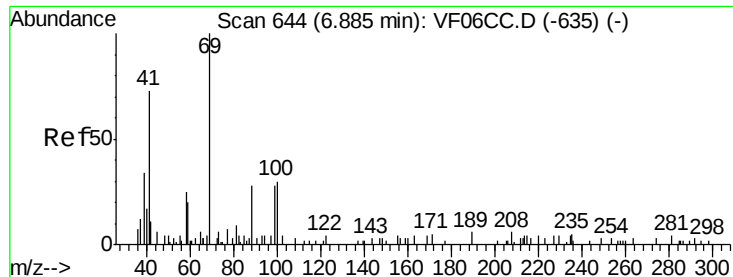


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 4.150 ug/l

RT: 6.87 min Scan# 643

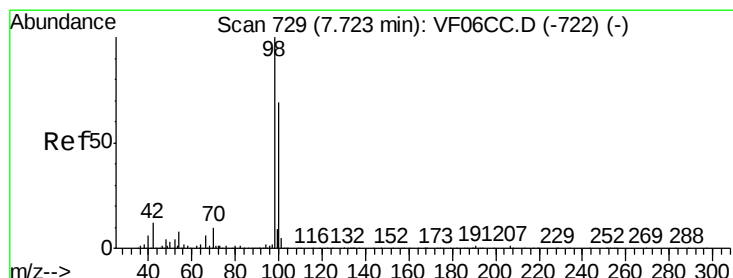
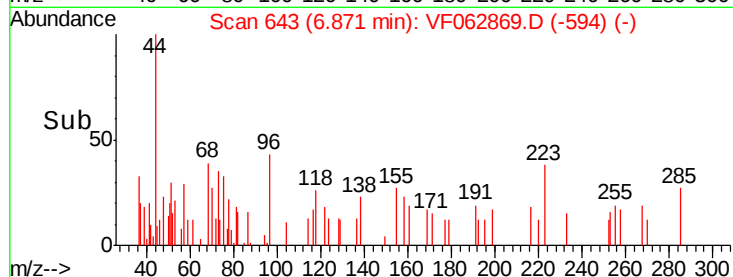
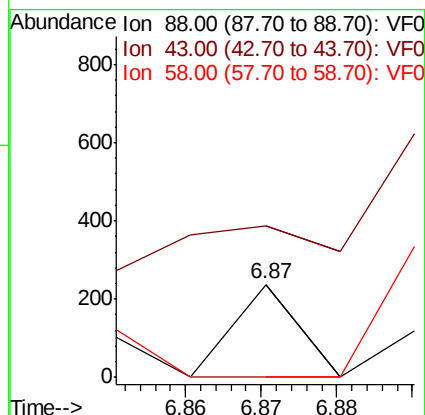
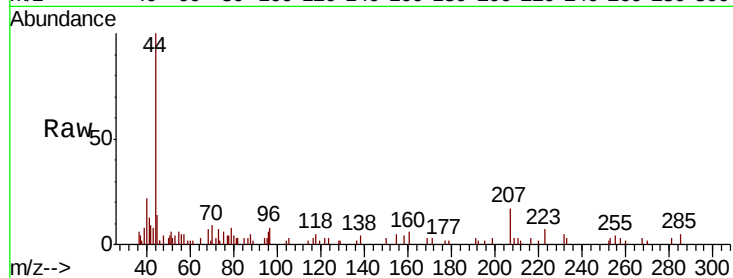
Delta R.T. -0.02 min

Lab File: VF062869.D

Acq: 5 Jun 2019 17:02

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 140
Ion Ratio Lower Upper
88 100
43 163.3 34.8 52.2#
58 0.0 59.9 89.9#



#50

Toluene-d8

Concen: 36.361 ug/l

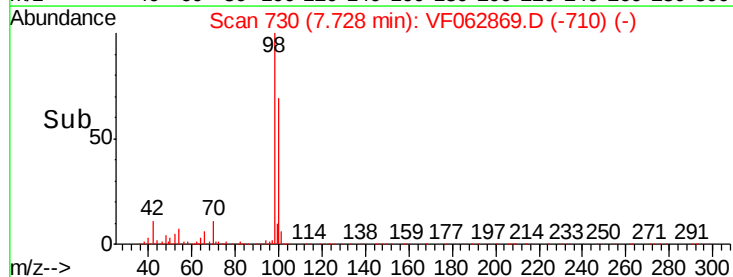
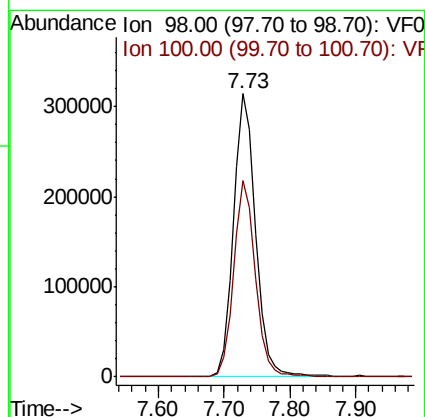
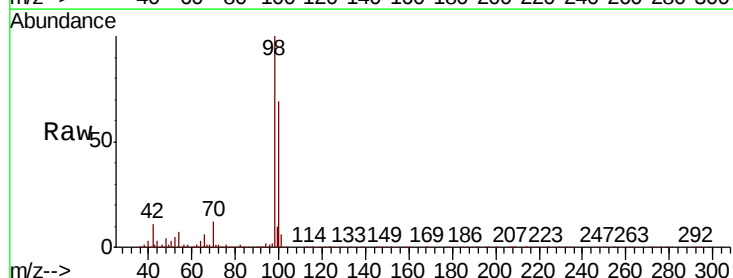
RT: 7.73 min Scan# 730

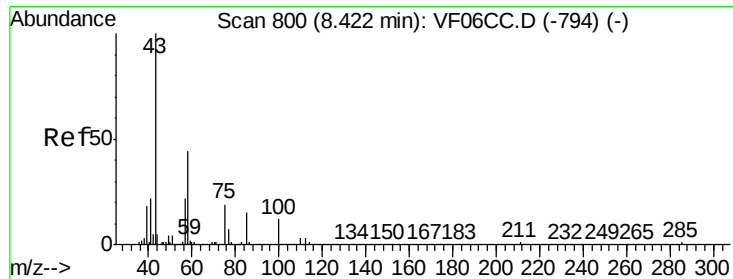
Delta R.T. -0.01 min

Lab File: VF062869.D

Acq: 5 Jun 2019 17:02

Tgt Ion: 98 Resp: 742250
Ion Ratio Lower Upper
98 100
100 69.3 59.8 89.8

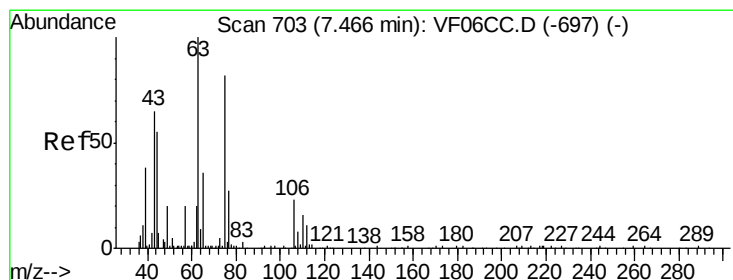
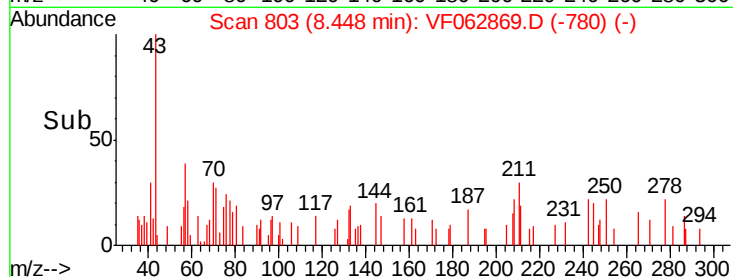
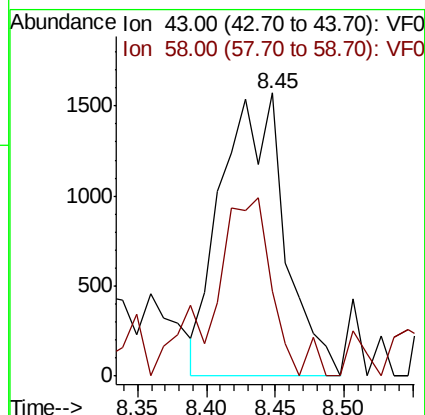
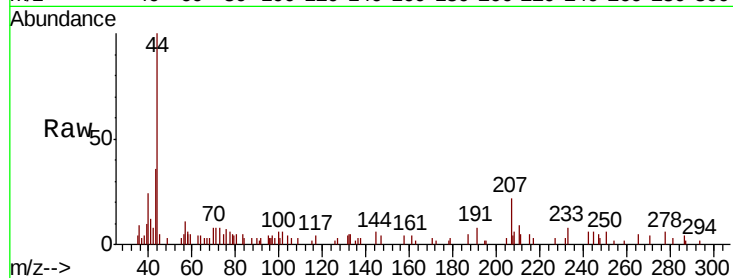




#51
 4-Methyl-2-Pentanone
 Concen: 1.417 ug/l
 RT: 8.45 min Scan# 803
 Delta R.T. 0.02 min
 Lab File: VF062869.D
 Acq: 5 Jun 2019 17:02

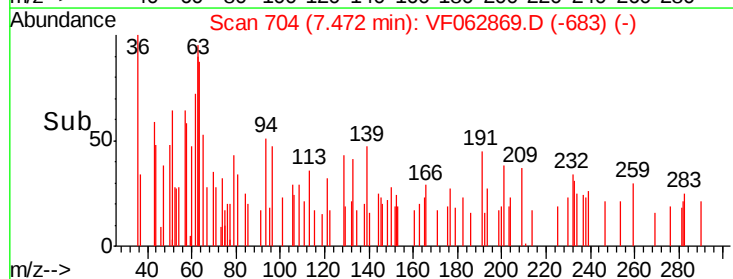
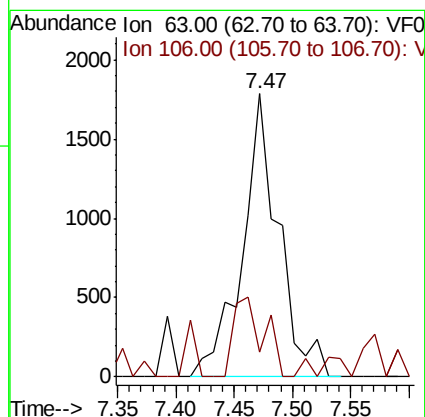
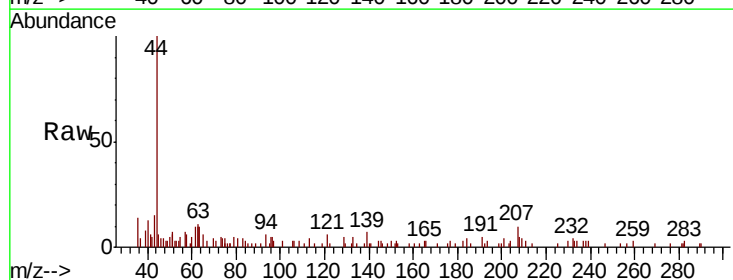
Instrument :
 MSVOA_F
 ClientSampleId :

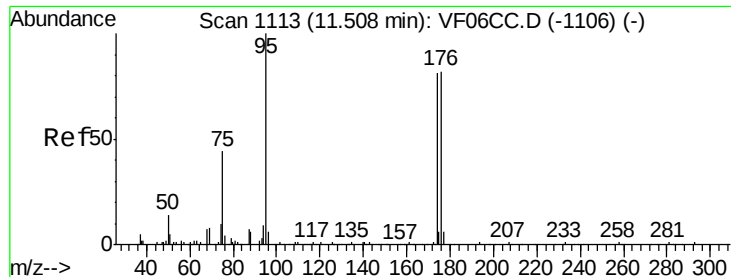
Tot Ion: 43 Resp: 5023
 Ion Ratio Lower Upper
 43 100
 58 30.0 35.5 53.3#



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.229 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VF062869.D
 Acq: 5 Jun 2019 17:02

Tgt Ion: 63 Resp: 3850
 Ion Ratio Lower Upper
 63 100
 106 8.7 19.5 29.3#

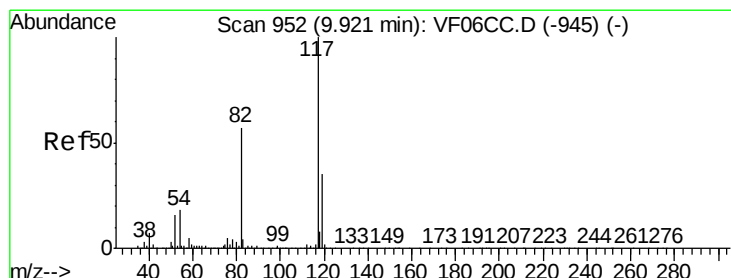
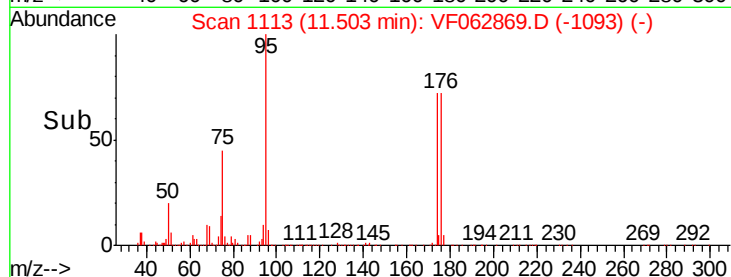
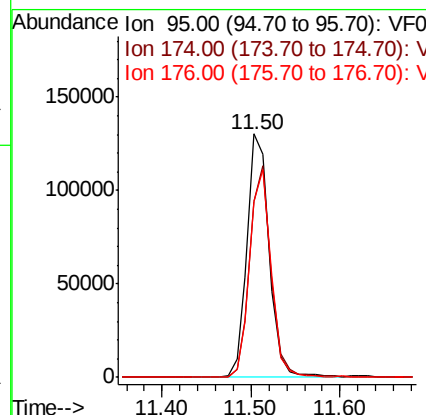
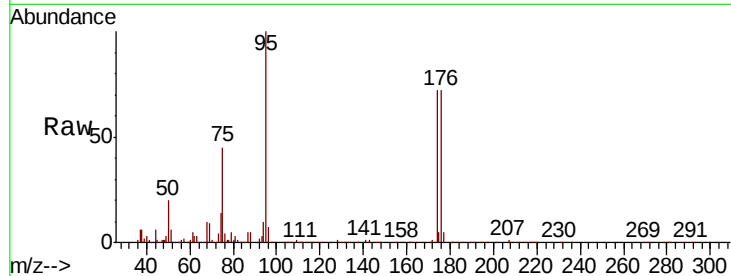




#62
4-Bromofluorobenzene
Concen: 30.725 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF062869.D
Acq: 5 Jun 2019 17:02

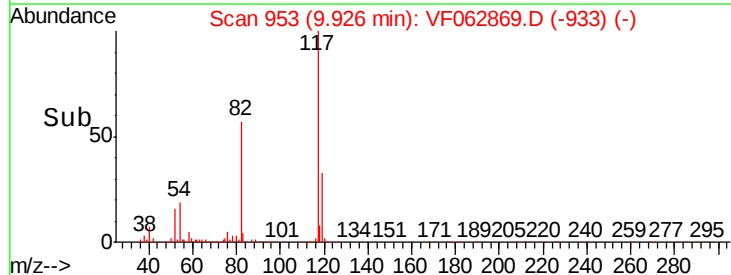
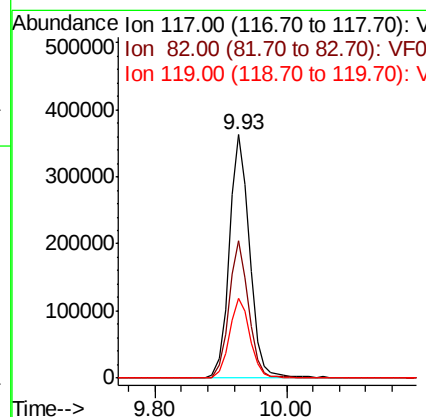
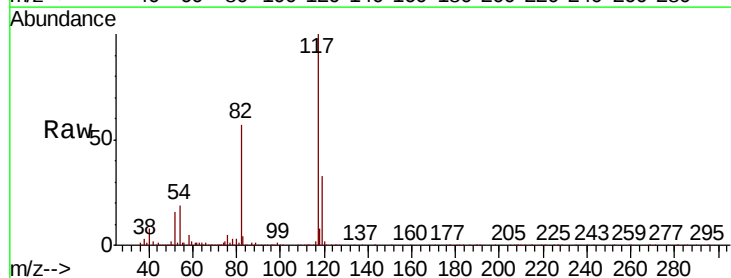
Instrument :
MSVOA_F
ClientSampleId :

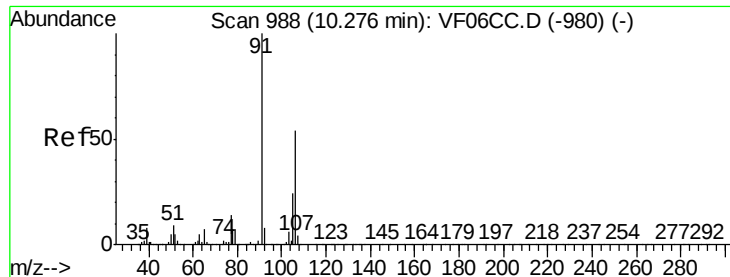
Tot Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	170.6
176	72.0	0.0	170.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062869.D
Acq: 5 Jun 2019 17:02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.7	42.4	63.6
119	33.0	27.1	40.7

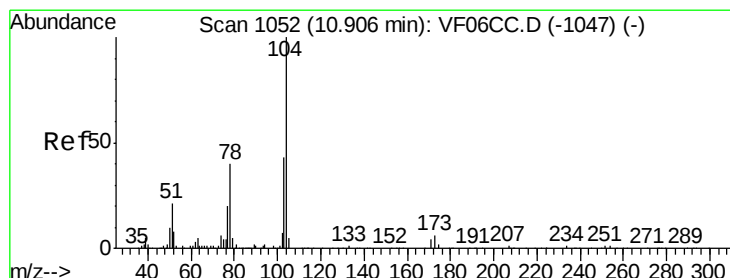
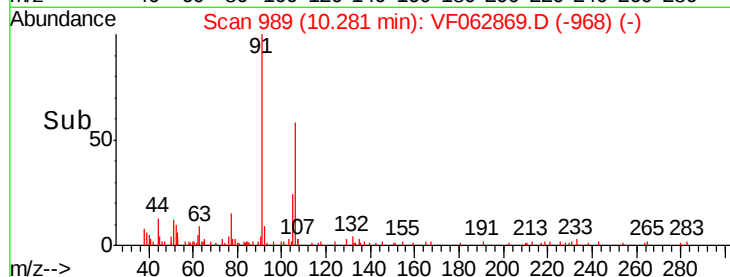
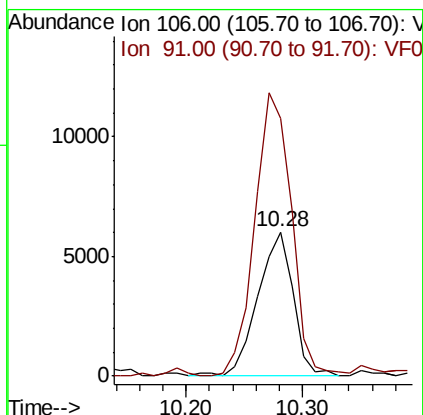
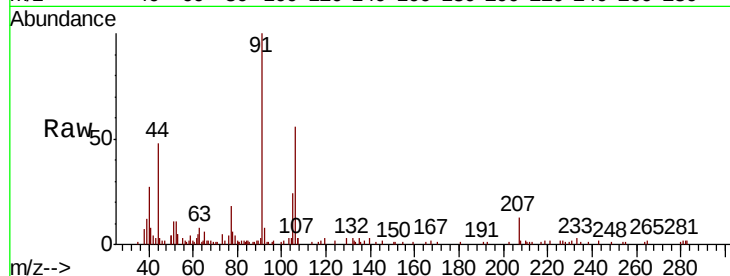




#68
m/p-Xvlenes
Concen: 1.275 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.00 min
Lab File: VF062869.D
Acq: 5 Jun 2019 17:02

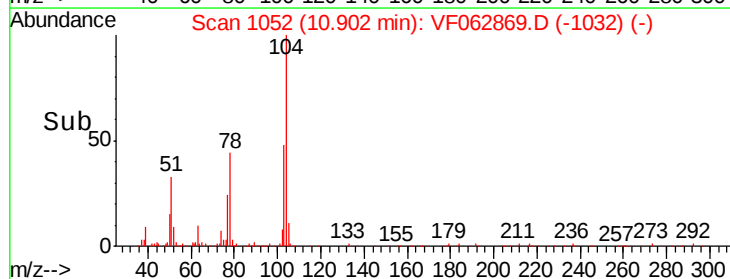
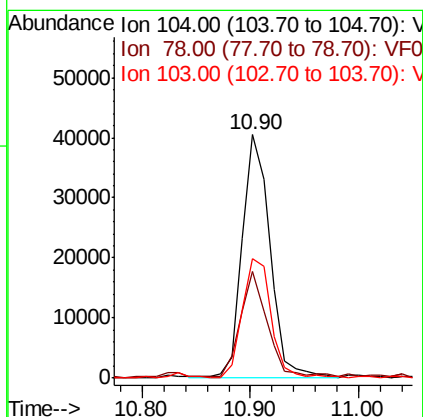
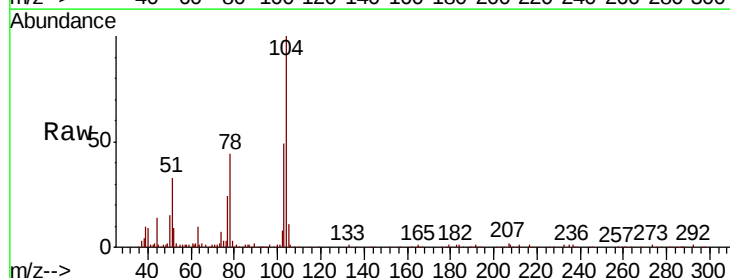
Instrument :
MSVOA_F
ClientSampled :

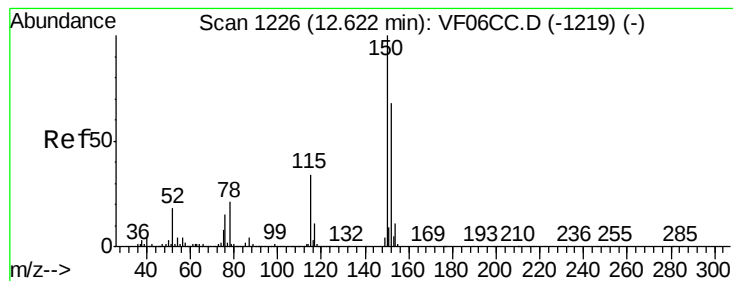
Tot Ion:106 Resp: 12667
Ion Ratio Lower Upper
106 100
91 179.2 136.2 204.4



#70
Styrene
Concen: 4.866 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF062869.D
Acq: 5 Jun 2019 17:02

Tgt Ion:104 Resp: 72149
Ion Ratio Lower Upper
104 100
78 44.1 30.8 46.2
103 49.0 35.8 53.6



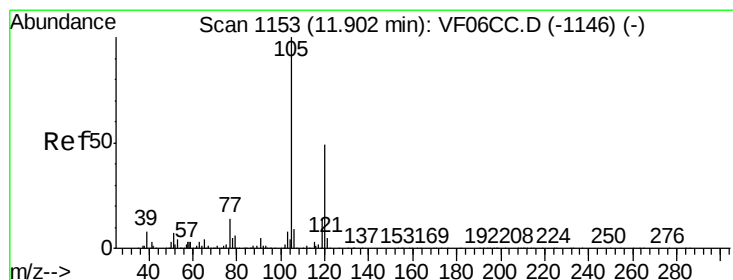
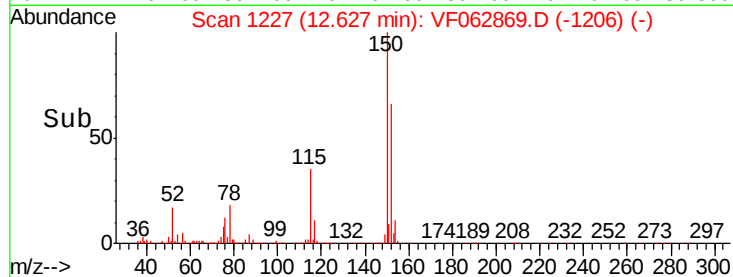
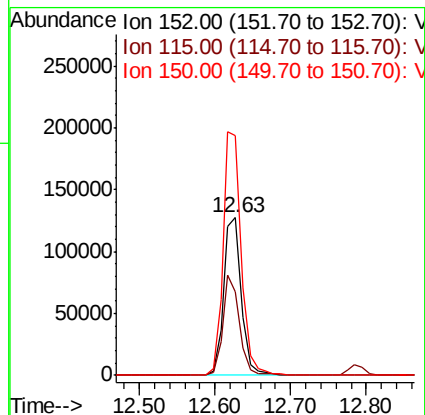
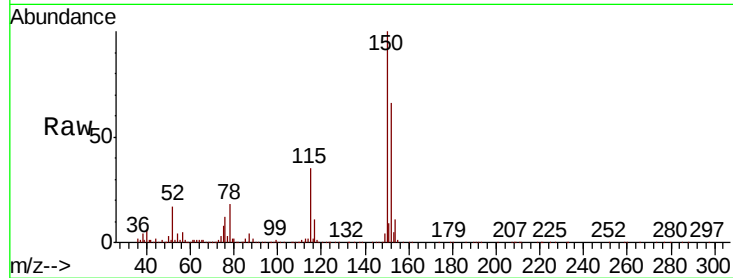


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VF062869.D
Acq: 5 Jun 2019 17:02

Instrument :
MSVOA_F
ClientSampleId :

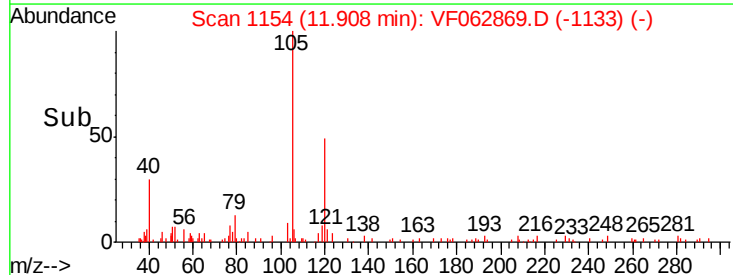
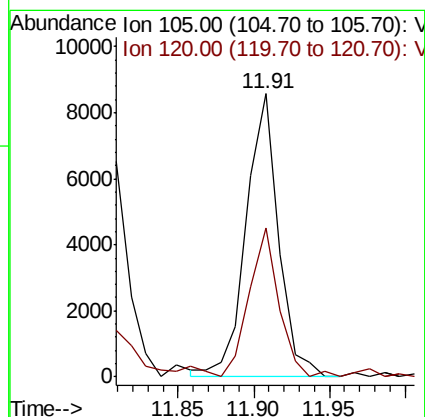
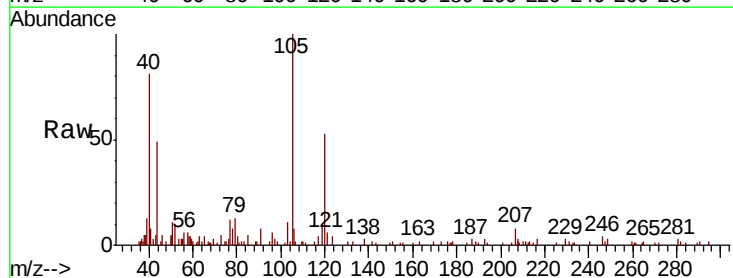
Tot Ion	152	Resp	208353
Ion	Ratio	Lower	Upper
152	100		
115	53.0	24.6	74.0
150	152.2	0.0	290.6

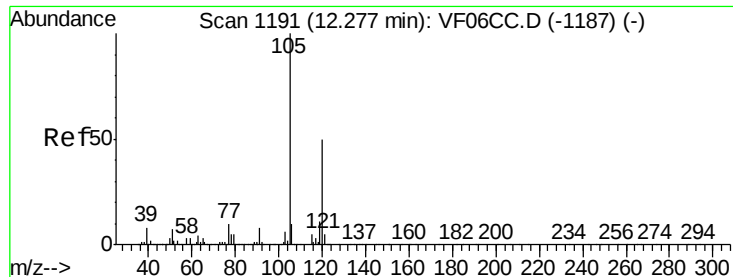


#80

1,3,5-Trimethylbenzene
Concen: 1.079 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VF062869.D
Acq: 5 Jun 2019 17:02

Tgt Ion	105	Resp	12823
Ion	Ratio	Lower	Upper
105	100		
120	52.6	28.7	86.1

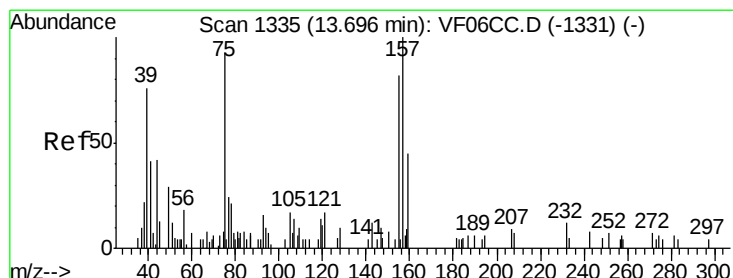
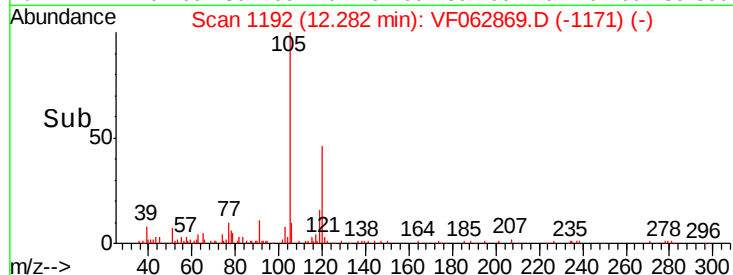
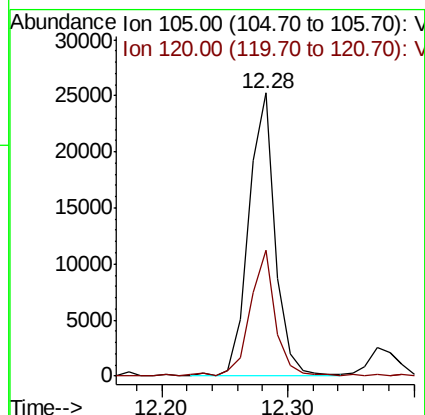
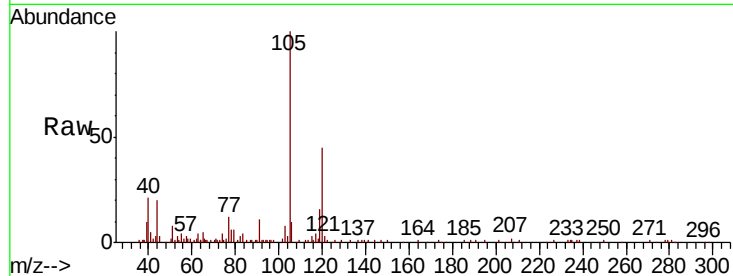




#84
 1,2,4-Trimethylbenzene
 Concen: 3.262 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF062869.D
 Acq: 5 Jun 2019 17:02

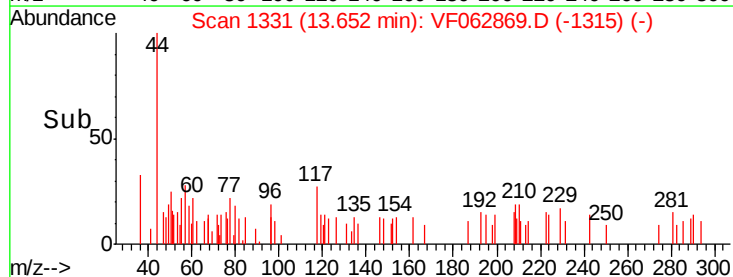
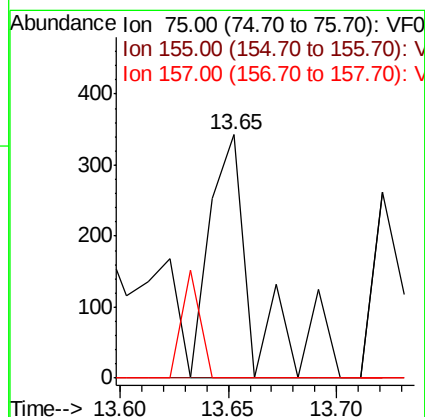
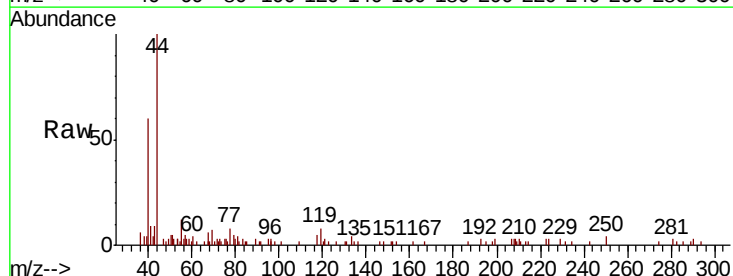
Instrument :
 MSVOA_F
 ClientSampled :

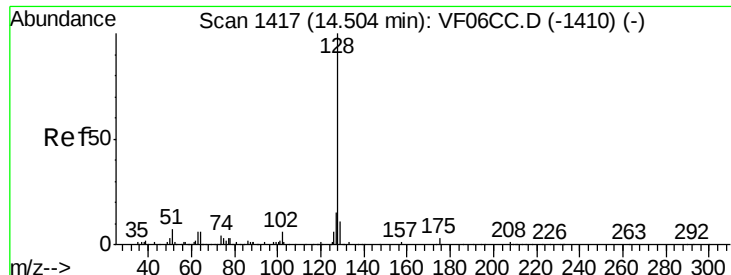
Tot Ion:105 Resp: 36767
 Ion Ratio Lower Upper
 105 100
 120 44.7 27.1 81.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.496 ug/l
 RT: 13.65 min Scan# 1331
 Delta R.T. -0.05 min
 Lab File: VF062869.D
 Acq: 5 Jun 2019 17:02

Tgt Ion: 75 Resp: 506
 Ion Ratio Lower Upper
 75 100
 155 0.0 51.7 155.1#
 157 0.0 66.8 200.6#

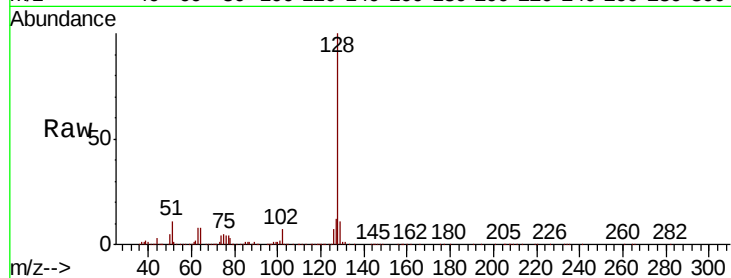




#95
 Naphthalene
 Concen: 46.789 ug/l
 RT: 14.50 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VF062869.D
 Acq: 5 Jun 2019 17:02

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.7	14.5
129	11.4	9.4	14.2



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

