

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062936.D
 Acq On : 12 Jun 2019 19:12
 Operator : FY/SY
 Sample : K3346-02
 Misc : 4.48g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 13 08:32:37 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	5.05	168	469514	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	810429	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	601021	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	221561	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	169383	52.17	ug/l	-0.02
Spiked Amount			Recovery	=	104.34%	
35) Dibromofluoromethane	4.30	113	5361	0.88	ug/l	-0.03
Spiked Amount			Recovery	=	1.76%	
50) Toluene-d8	7.70	98	552963	35.71	ug/l	-0.03
Spiked Amount			Recovery	=	71.42%	
62) 4-Bromofluorobenzene	11.49	95	170740	30.65	ug/l	-0.02
Spiked Amount			Recovery	=	61.30%	

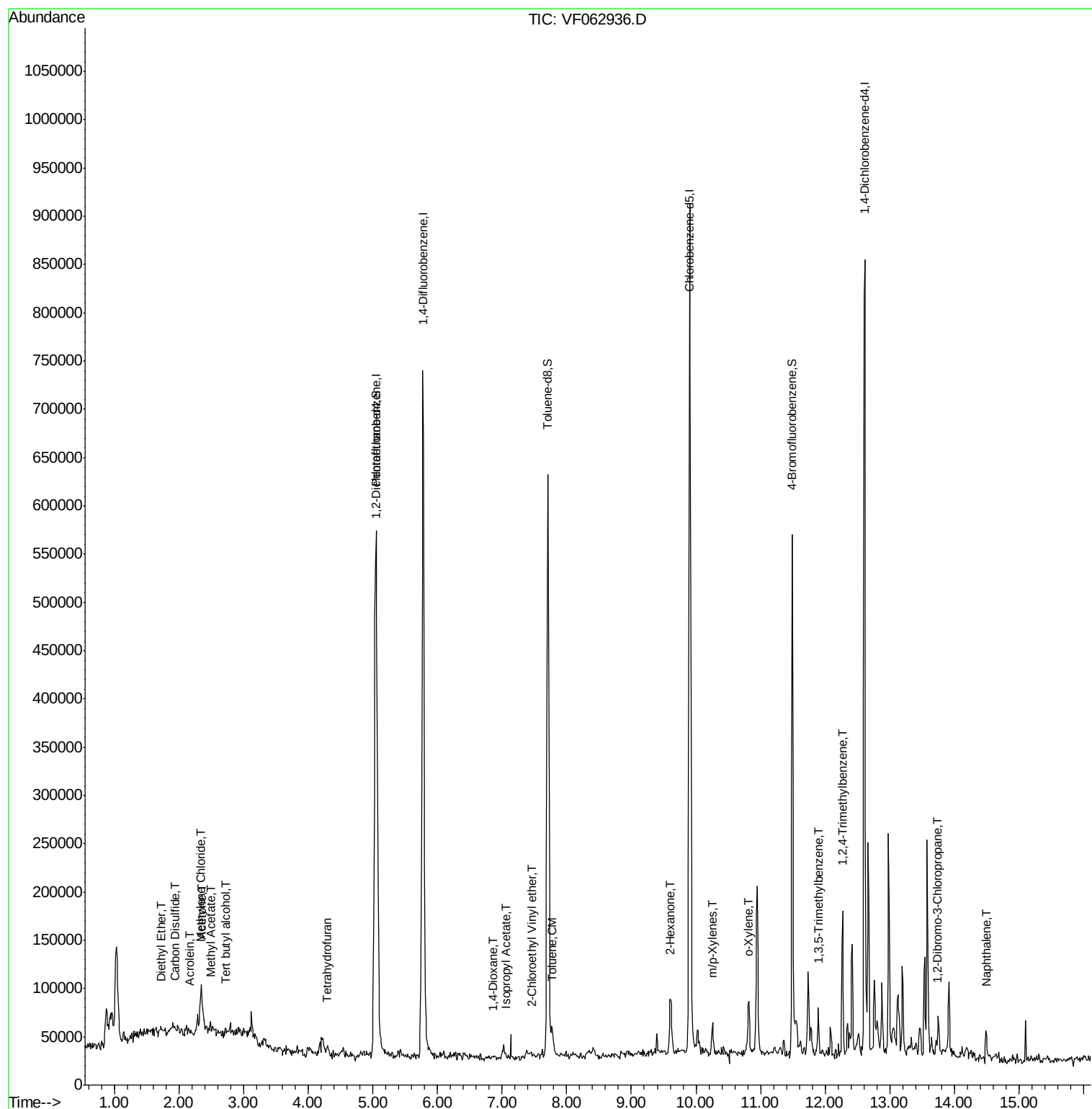
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.04	85	469	Below Cal		81
8) Diethyl Ether	1.72	74	3019	2.245	ug/l	97
11) Tert butyl alcohol	2.71	59	1418	7.210	ug/l #	1
13) Acrolein	2.16	56	943	3.949	ug/l	96
16) Acetone	2.35	43	41728	56.154	ug/l	98
17) Carbon Disulfide	1.93	76	25006	2.193	ug/l	94
18) Methyl Acetate	2.49	43	4017	3.093	ug/l #	62
20) Methylene Chloride	2.33	84	19503	2.398	ug/l	91
29) Tetrahydrofuran	4.28	42	2201	3.325	ug/l #	75
43) Isopropyl Acetate	7.06	43	5766	1.530	ug/l #	38
49) 1,4-Dioxane	6.85	88	351	13.715	ug/l #	28
52) Toluene	7.77	92	12626	1.080	ug/l	79
58) 2-Chloroethyl Vinyl ether	7.45	63	1422	1.085	ug/l #	51
59) 2-Hexanone	9.62	43	21341	11.131	ug/l	67
68) m/p-Xylenes	10.26	106	9093	1.193	ug/l #	66
69) o-Xylene	10.82	106	14928	1.935	ug/l	76
80) 1,3,5-Trimethylbenzene	11.89	105	23281	1.841	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	79652	6.645	ug/l	77
92) 1,2-Dibromo-3-Chloropropan	13.73	75	840	2.335	ug/l #	1
95) Naphthalene	14.49	128	19122	2.823	ug/l #	92

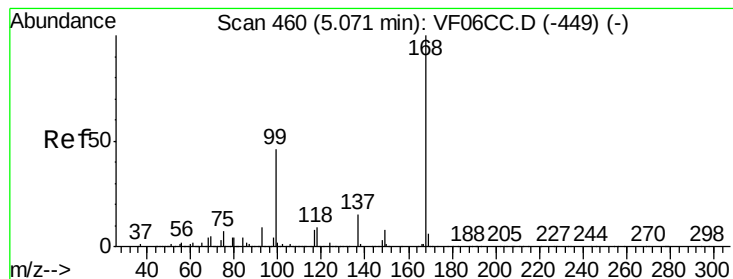
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062936.D
Acq On : 12 Jun 2019 19:12
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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: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062936.D

Acq: 12 Jun 2019 19:12

Instrument :

MSVOA_F

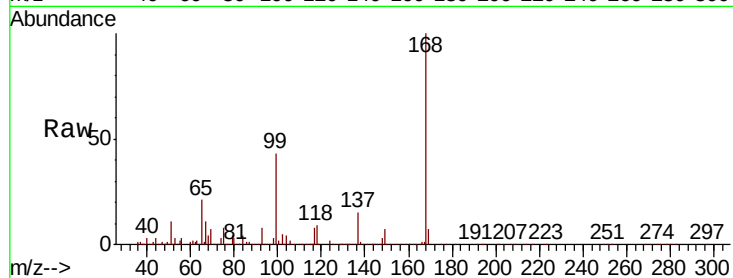
ClientSampleId :

Tot Ion:168 Resp: 469514

Ion Ratio Lower Upper

168 100

99 42.7 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

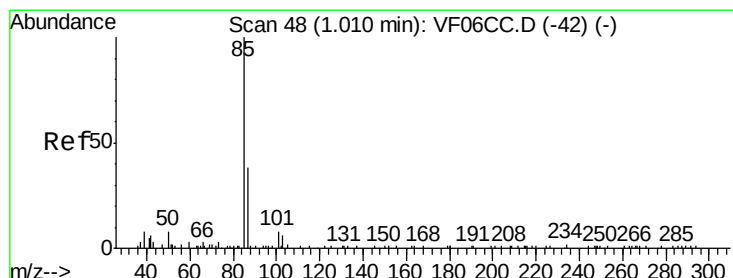
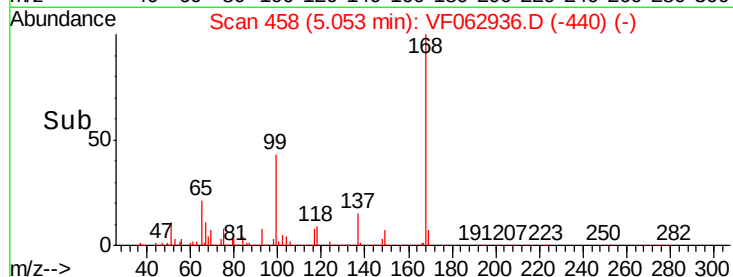
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.04 min Scan# 51

Delta R.T. 0.03 min

Lab File: VF062936.D

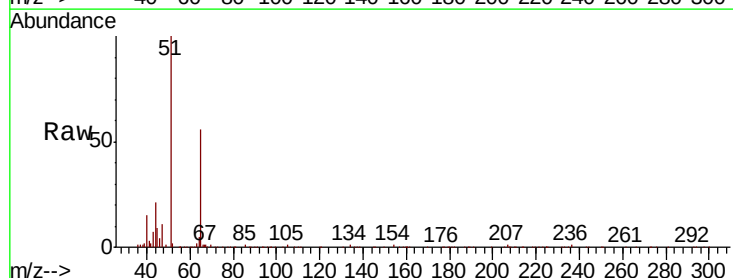
Acq: 12 Jun 2019 19:12

Tgt Ion: 85 Resp: 469

Ion Ratio Lower Upper

85 100

87 46.5 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

400

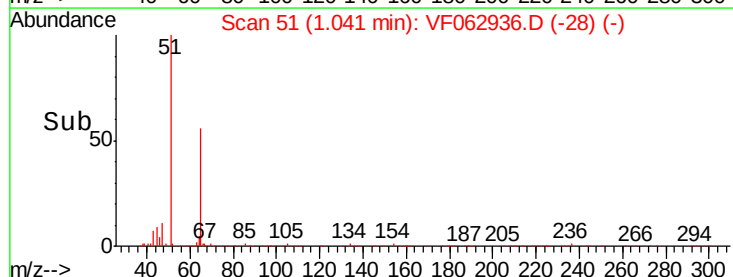
300

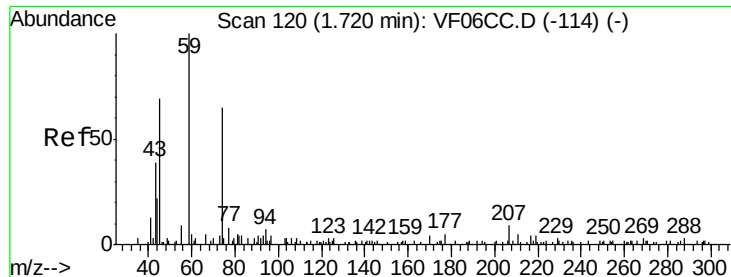
200

100

0

Time-->





#8

Diethyl Ether

Concen: 2.245 ug/l

RT: 1.72 min Scan# 120

Delta R.T. -0.00 min

Lab File: VF062936.D

Acq: 12 Jun 2019 19:12

Instrument :

MSVOA_F

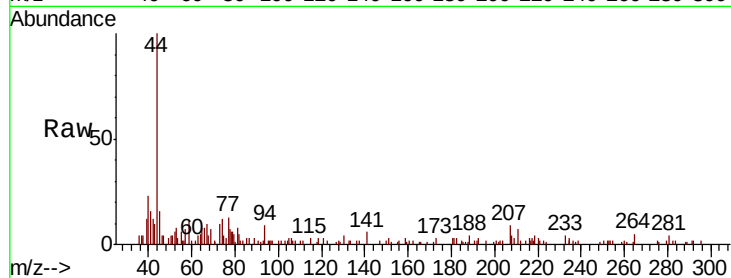
ClientSampleId :

Tot Ion: 74 Resp: 3019

Ion Ratio Lower Upper

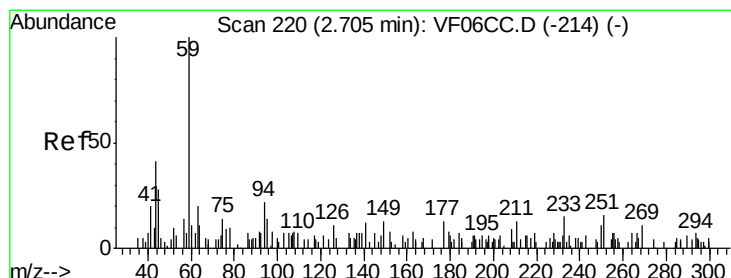
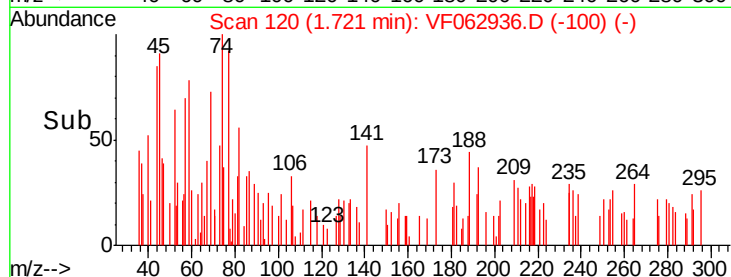
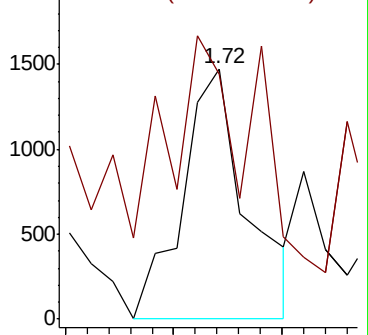
74 100

45 98.0 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#11

Tert butyl alcohol

Concen: 7.210 ug/l

RT: 2.71 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF062936.D

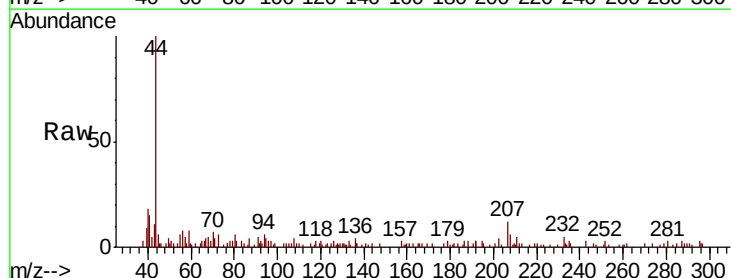
Acq: 12 Jun 2019 19:12

Tgt Ion: 59 Resp: 1418

Ion Ratio Lower Upper

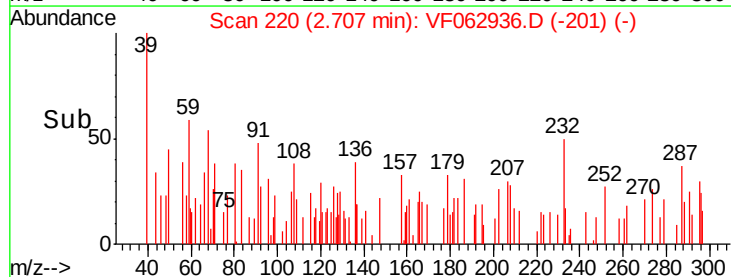
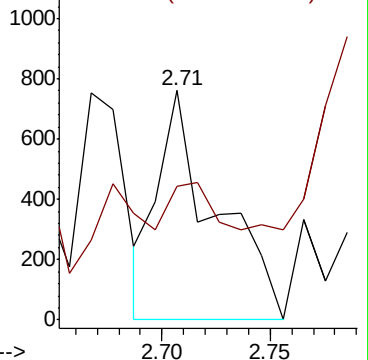
59 100

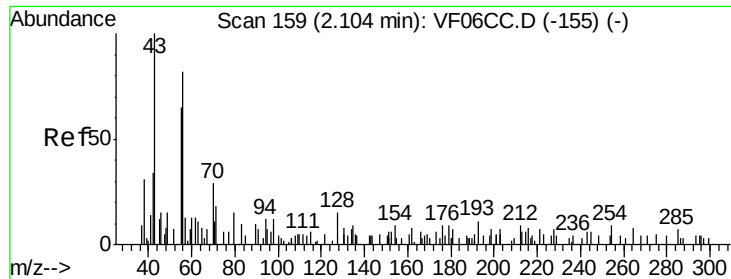
57 58.5 9.2 13.8#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

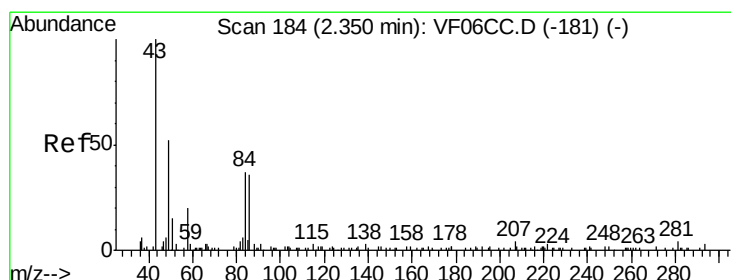
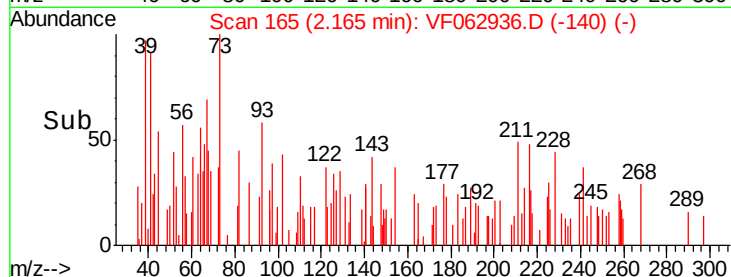
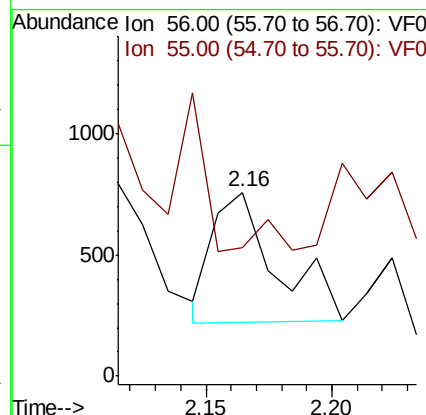
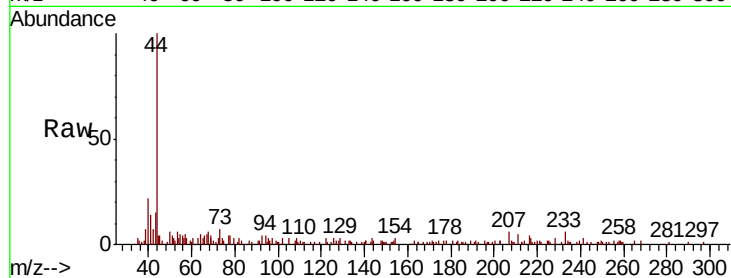




#13
Acrolein
Concen: 3.949 ug/l
RT: 2.16 min Scan# 165
Delta R.T. 0.05 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

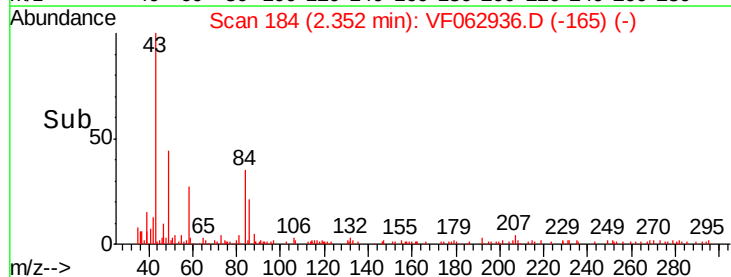
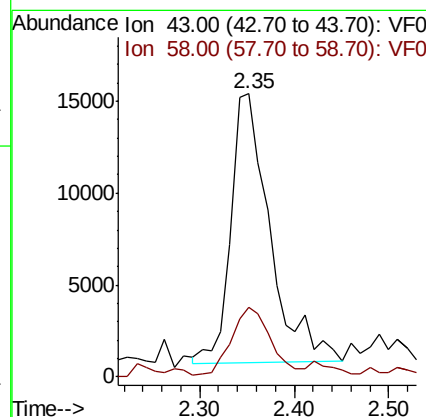
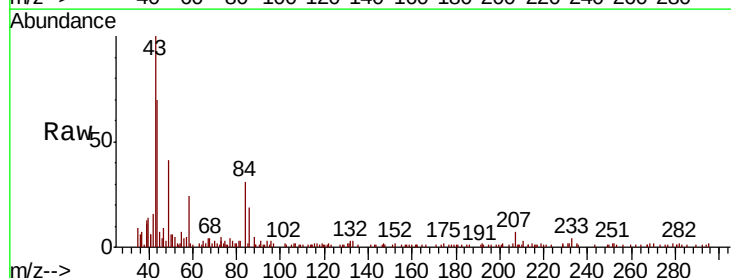
Instrument :
MSVOA_F
ClientSampled :

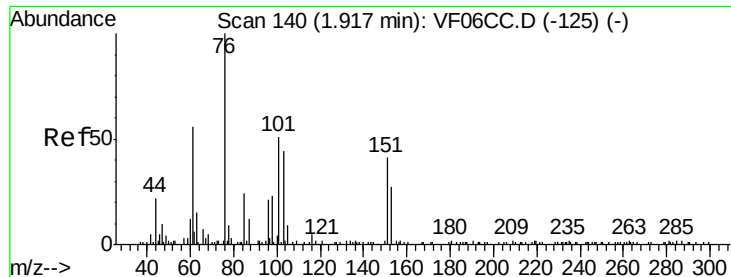
Tot Ion: 56 Resp: 943
Ion Ratio Lower Upper
56 100
55 69.6 52.9 79.3



#16
Acetone
Concen: 56.154 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

Tgt Ion: 43 Resp: 41728
Ion Ratio Lower Upper
43 100
58 24.5 19.0 28.4

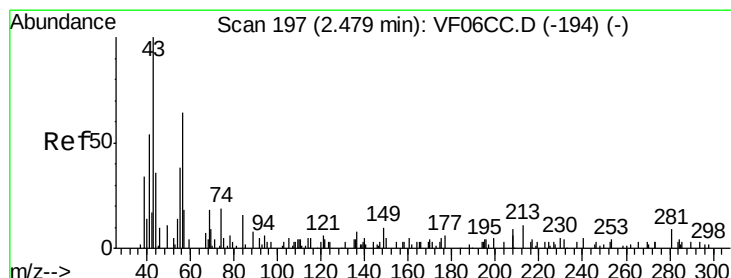
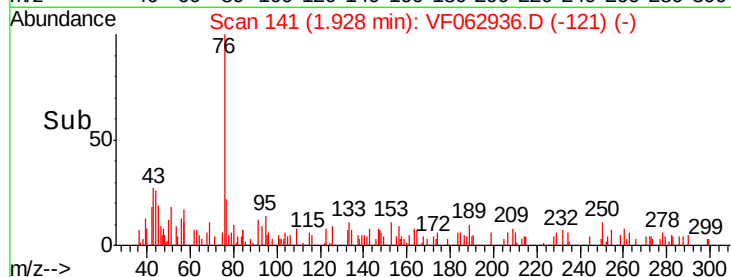
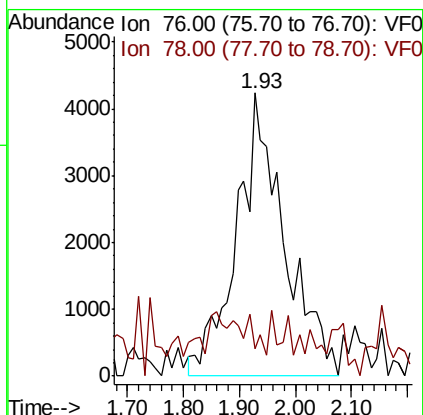
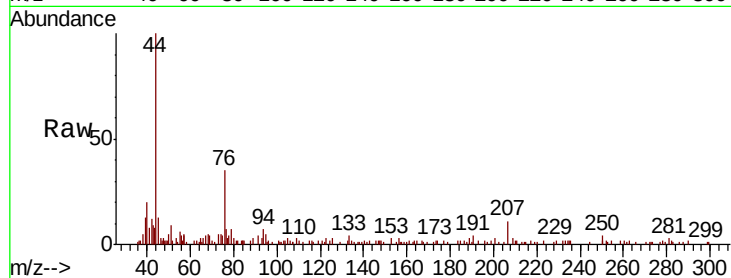




#17
Carbon Disulfide
Concen: 2.193 ug/l
RT: 1.93 min Scan# 141
Delta R.T. -0.00 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

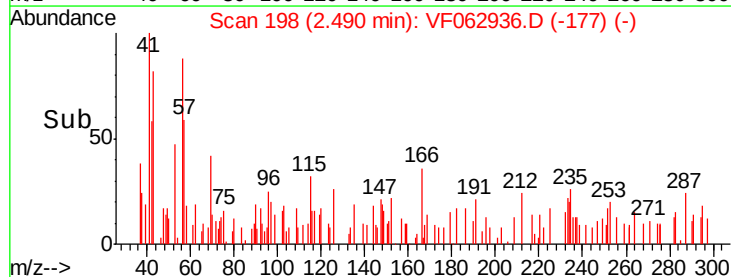
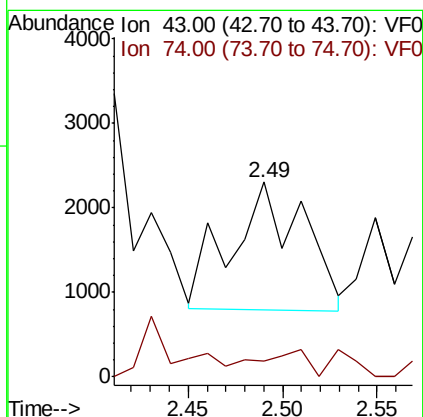
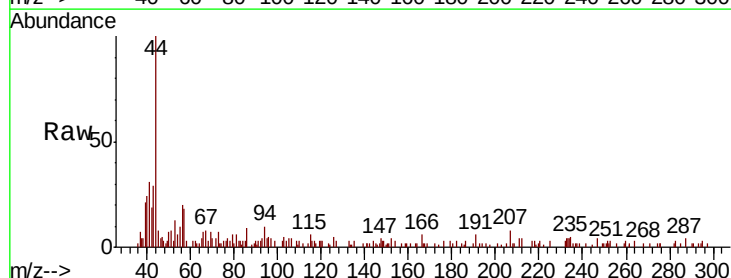
Instrument :
MSVOA_F
ClientSampled :

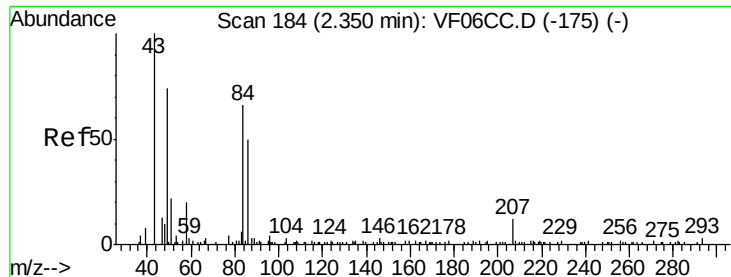
Tot Ion: 76 Resp: 25006
Ion Ratio Lower Upper
76 100
78 9.6 9.4 14.2



#18
Methyl Acetate
Concen: 3.093 ug/l
RT: 2.49 min Scan# 198
Delta R.T. 0.01 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

Tgt Ion: 43 Resp: 4017
Ion Ratio Lower Upper
43 100
74 7.9 22.1 33.1#

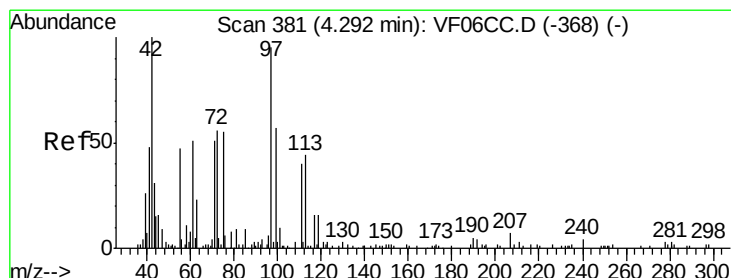
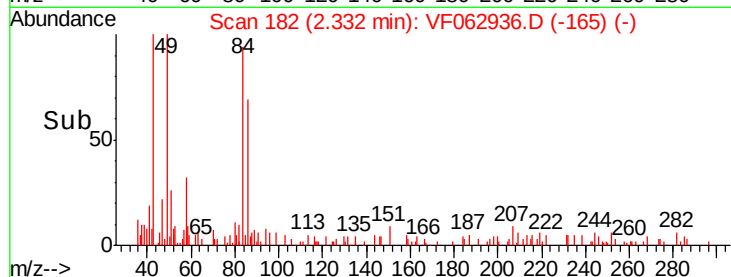
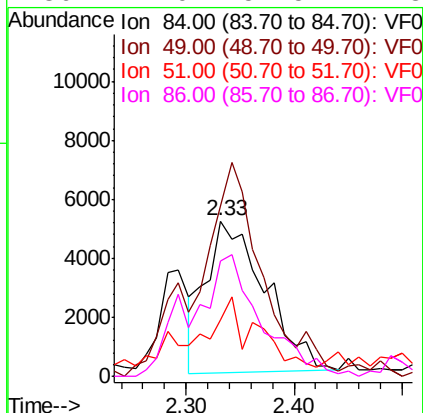
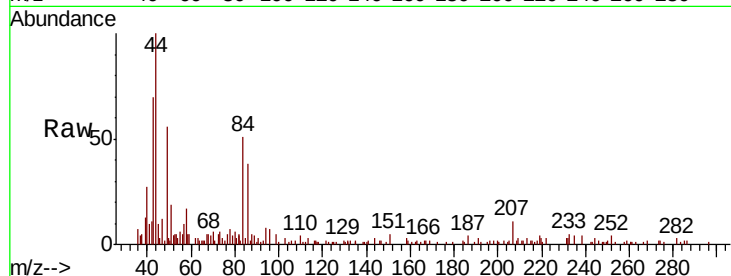




#20
Methylene Chloride
Concen: 2.398 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

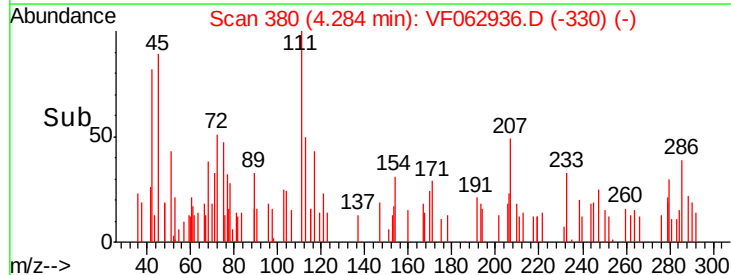
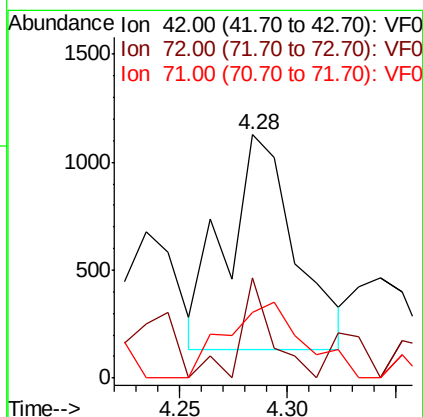
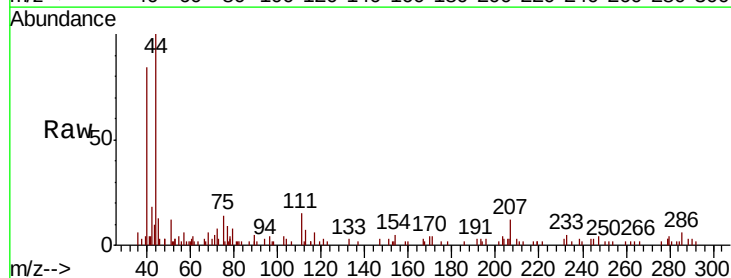
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ClientSampleId :

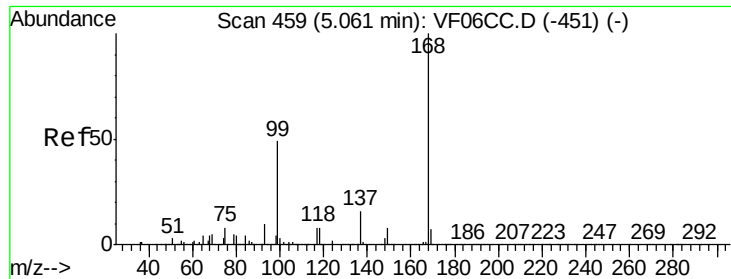
Tot Ion:	84	Resp:	19503
Ion	Ratio	Lower	Upper
84	100		
49	109.4	82.6	123.8
51	36.5	25.0	37.4
86	74.0	51.5	77.3



#29
Tetrahydrofuran
Concen: 3.325 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

Tgt Ion:	42	Resp:	2201
Ion	Ratio	Lower	Upper
42	100		
72	21.6	39.0	58.6#
71	40.2	36.9	55.3

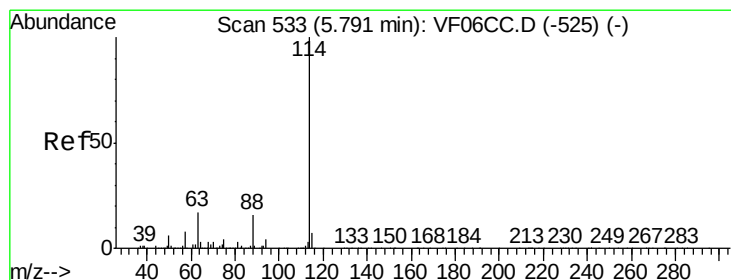
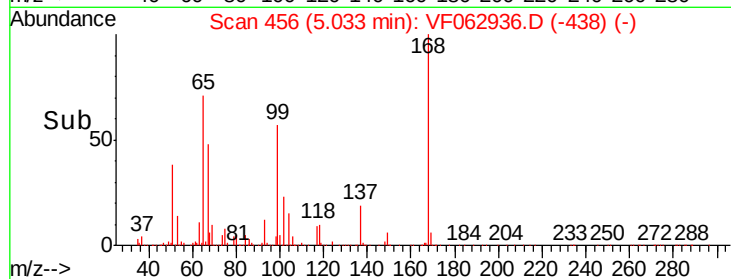
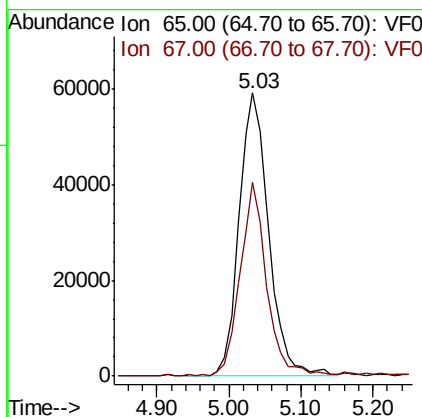
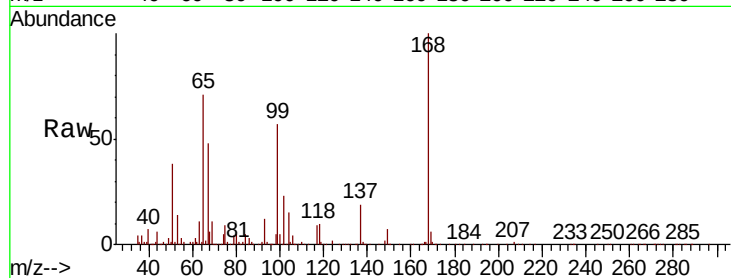




#33
 1,2-Dichloroethane-d4
 Concen: 52.171 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: VF062936.D
 Acq: 12 Jun 2019 19:12

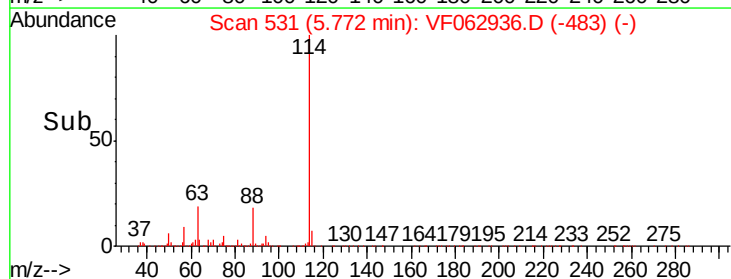
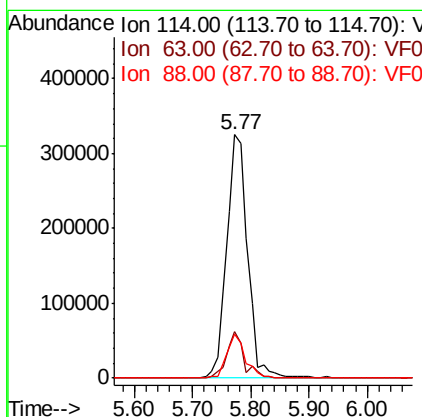
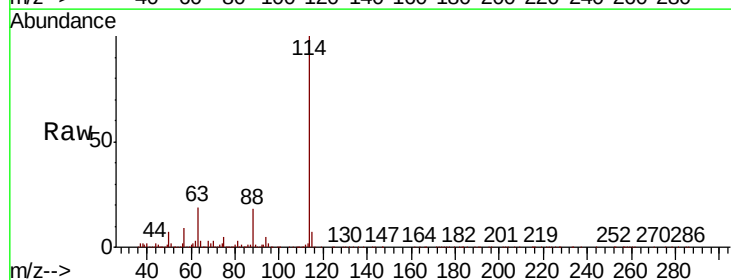
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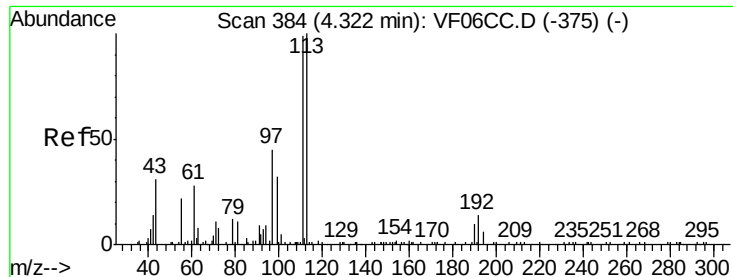
Tot Ion: 65 Resp: 169383
 Ion Ratio Lower Upper
 65 100
 67 68.4 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.03 min
 Lab File: VF062936.D
 Acq: 12 Jun 2019 19:12

Tgt Ion: 114 Resp: 810429
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 34.2
 88 17.9 0.0 31.2

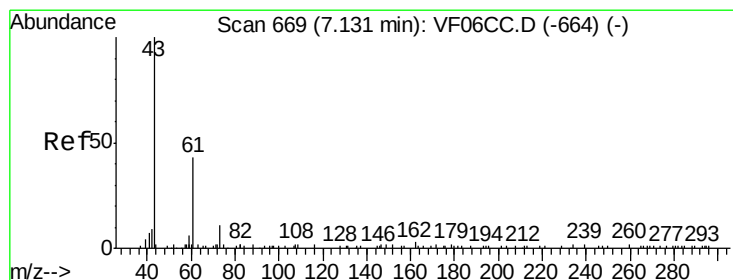
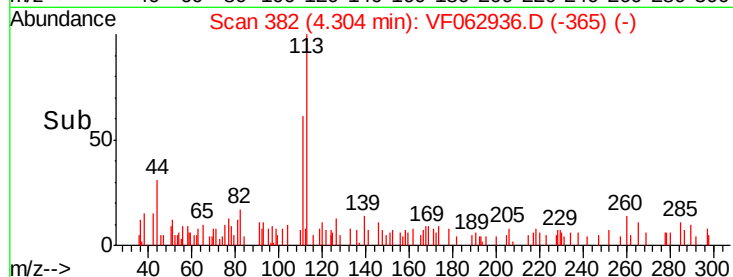
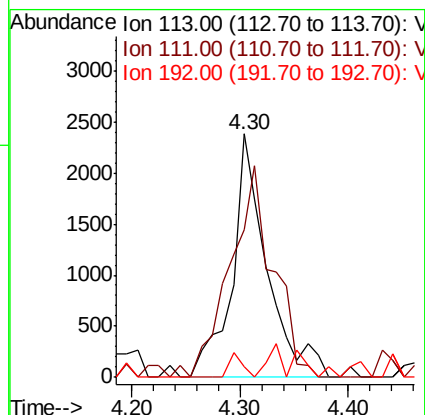
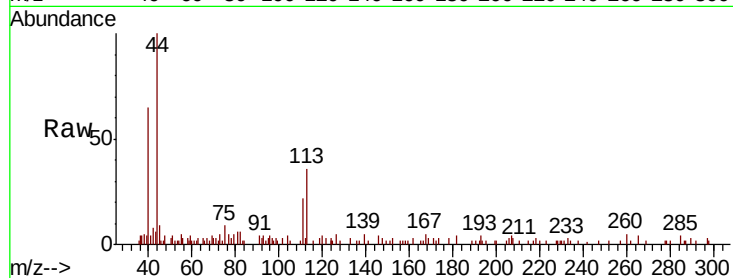




#35
Dibromofluoromethane
Concen: 0.875 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.03 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

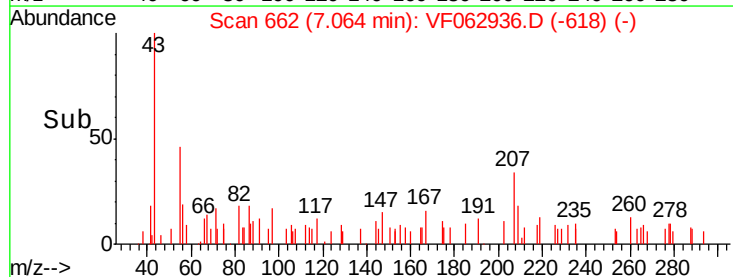
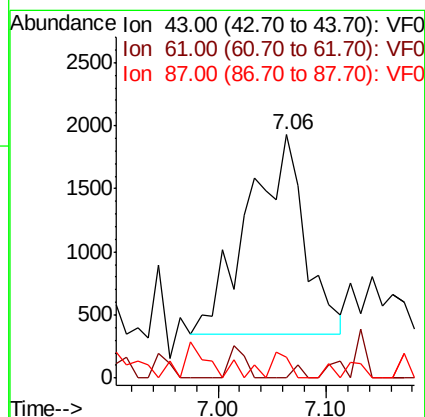
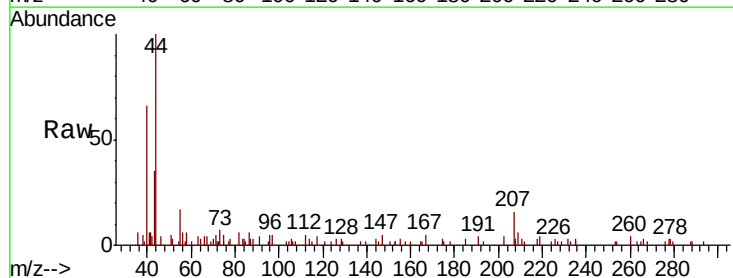
Instrument :
MSVOA_F
ClientSampleId :

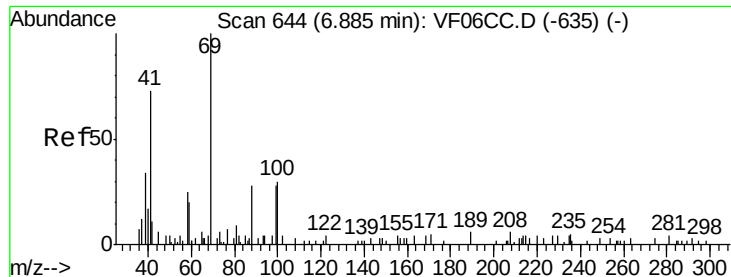
Tot Ion:113 Resp: 5361
Ion Ratio Lower Upper
113 100
111 60.8 81.9 122.9#
192 4.2 15.1 22.7#



#43
Isopropyl Acetate
Concen: 1.530 ug/l
RT: 7.06 min Scan# 662
Delta R.T. -0.07 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

Tgt Ion: 43 Resp: 5766
Ion Ratio Lower Upper
43 100
61 0.0 29.8 44.6#
87 8.6 0.3 0.5#

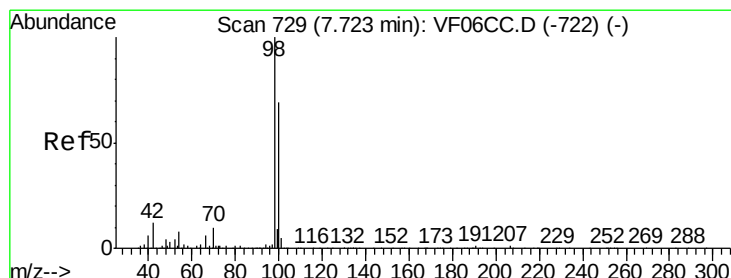
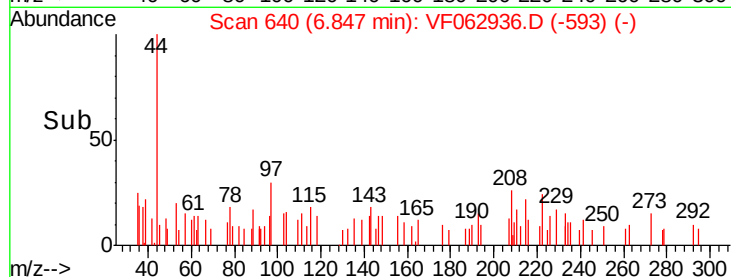
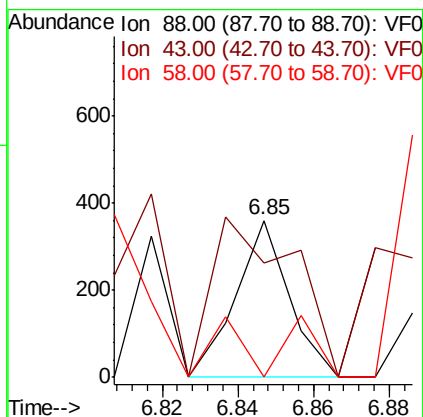
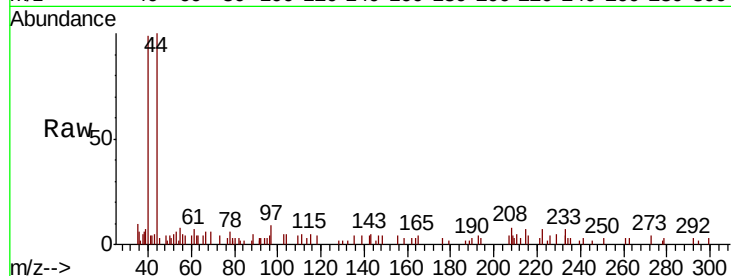




#49
1,4-Dioxane
Concen: 13.715 ug/l
RT: 6.85 min Scan# 640
Delta R.T. -0.04 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

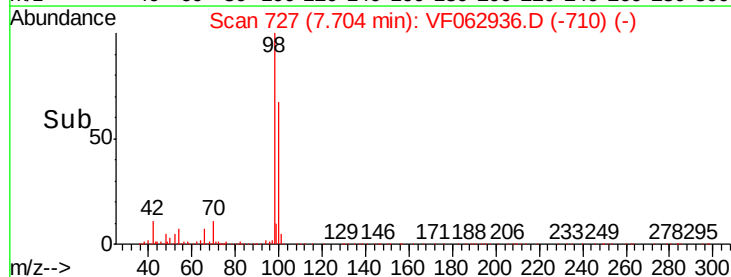
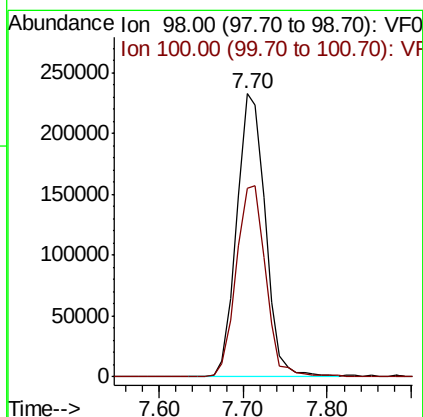
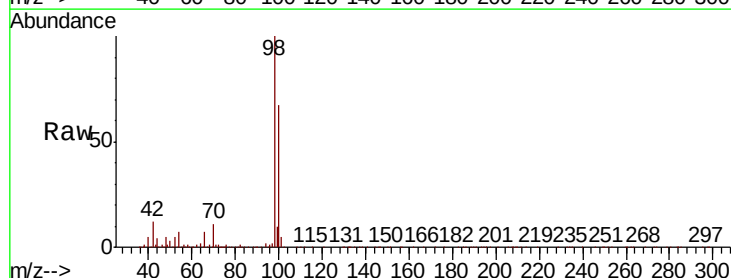
Instrument :
MSVOA_F
ClientSampled :

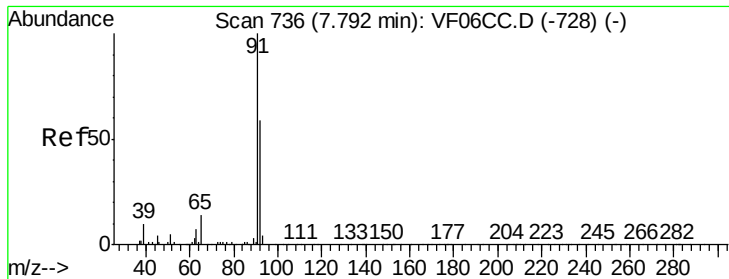
Tot Ion: 88 Resp: 351
Ion Ratio Lower Upper
88 100
43 72.9 34.8 52.2#
58 0.0 59.9 89.9#



#50
Toluene-d8
Concen: 35.707 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.03 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

Tgt Ion: 98 Resp: 552963
Ion Ratio Lower Upper
98 100
100 66.5 59.8 89.8





#52

Toluene

Concen: 1.080 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF062936.D

Acq: 12 Jun 2019 19:12

Instrument :

MSVOA_F

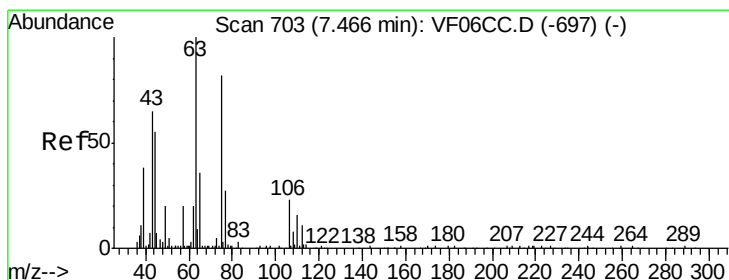
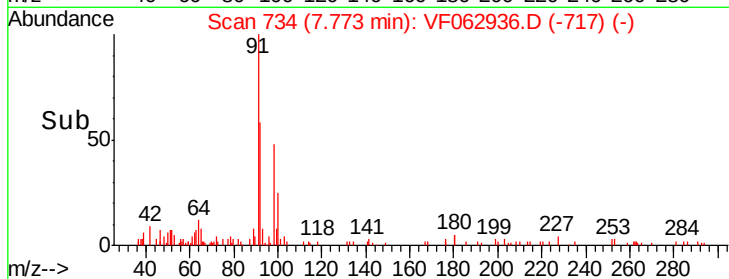
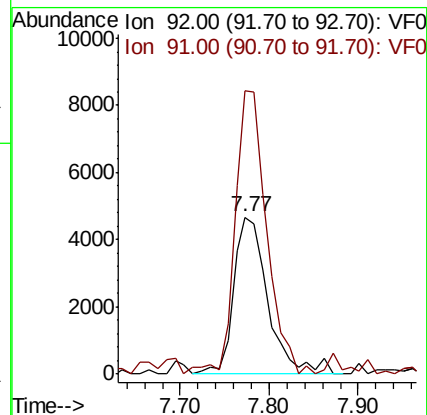
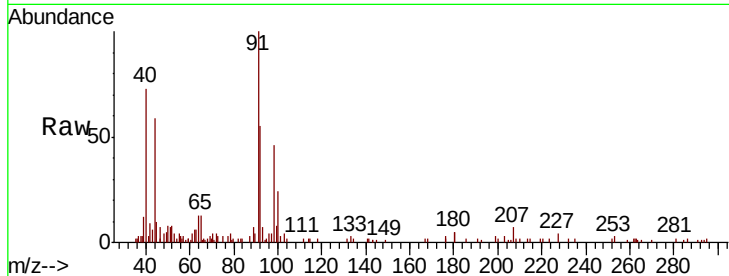
ClientSampleId :

Tot Ion: 92 Resp: 12626

Ion Ratio Lower Upper

92 100

91 180.7 123.2 184.8



#58

2-Chloroethyl Vinyl ether

Concen: 1.085 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF062936.D

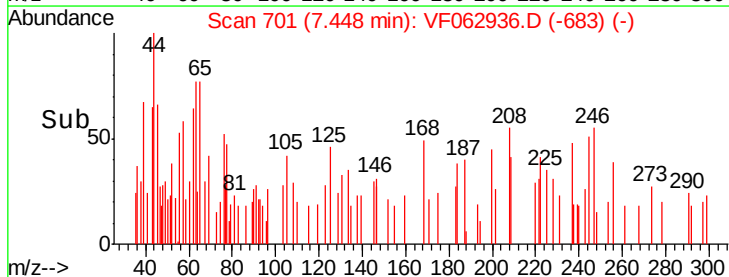
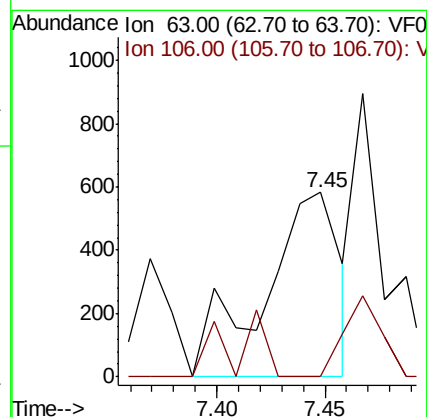
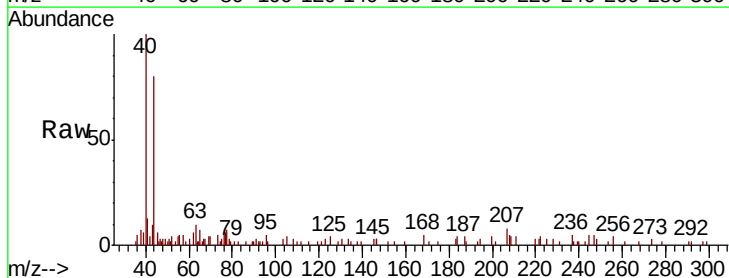
Acq: 12 Jun 2019 19:12

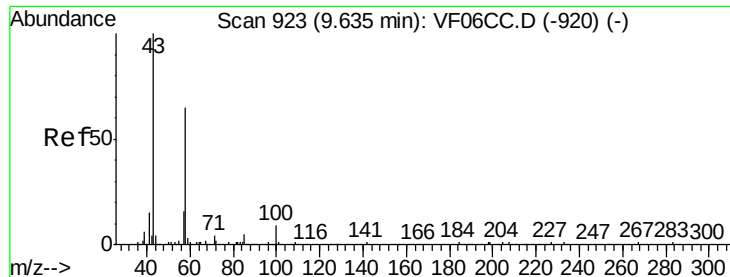
Tgt Ion: 63 Resp: 1422

Ion Ratio Lower Upper

63 100

106 0.0 19.5 29.3#

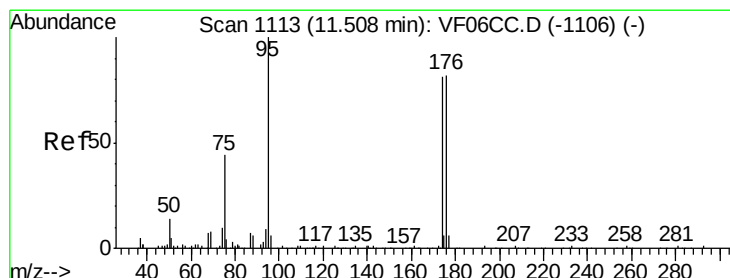
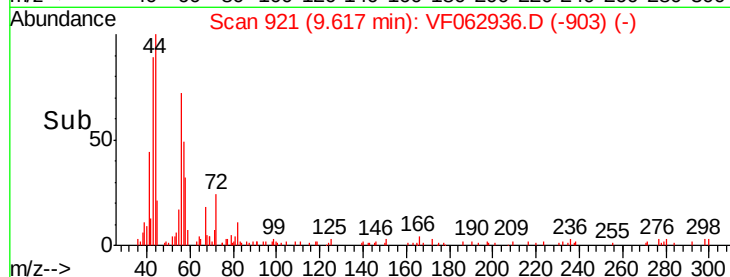
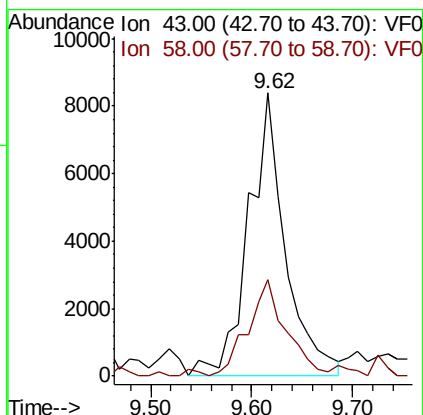
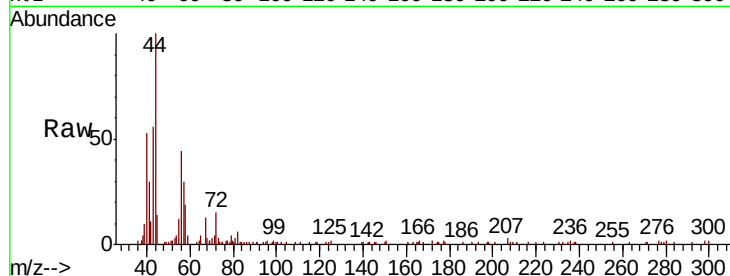




#59
2-Hexanone
Concen: 11.131 ug/l
RT: 9.62 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

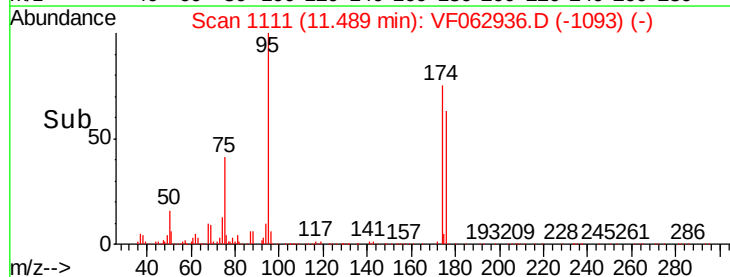
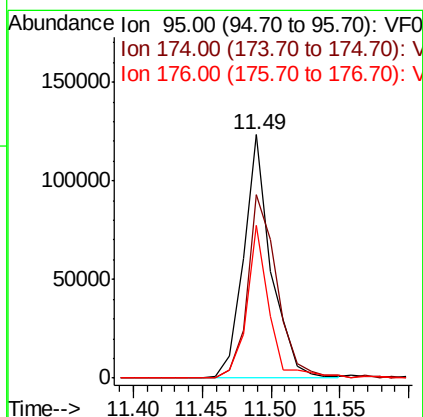
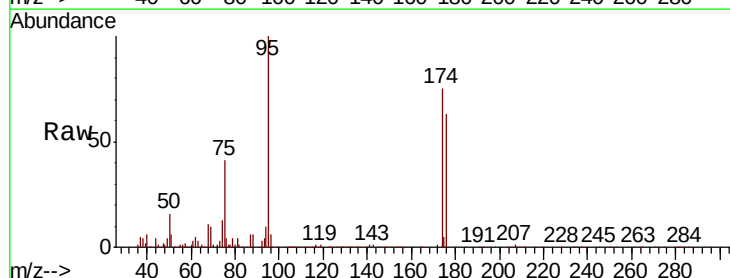
Instrument :
MSVOA_F
ClientSampleId :

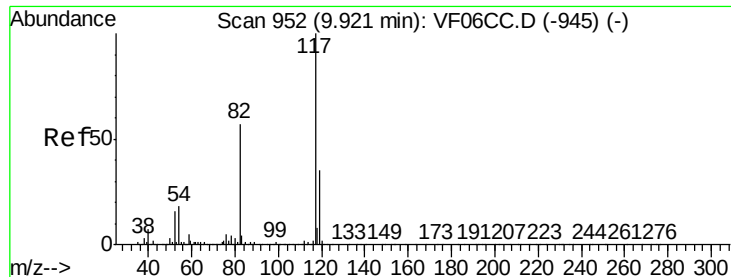
Tot Ion: 43 Resp: 21341
Ion Ratio Lower Upper
43 100
58 34.2 29.3 87.9



#62
4-Bromofluorobenzene
Concen: 30.650 ug/l
RT: 11.49 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

Tgt Ion: 95 Resp: 170740
Ion Ratio Lower Upper
95 100
174 75.4 0.0 170.6
176 63.0 0.0 170.6

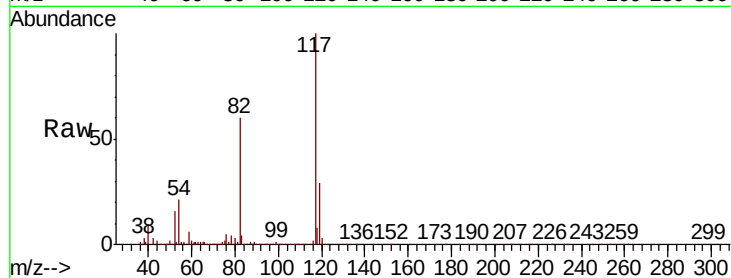




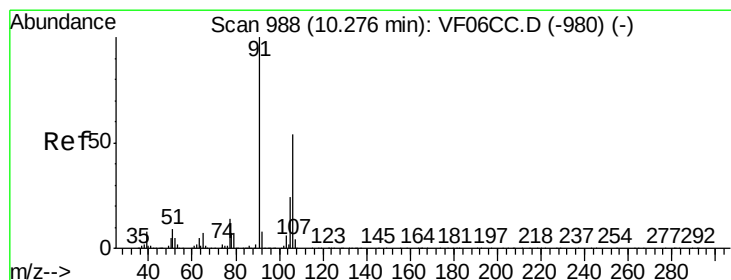
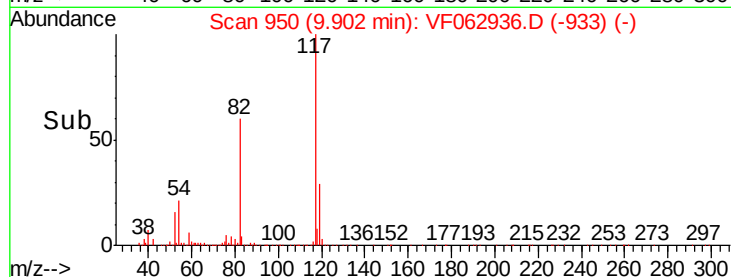
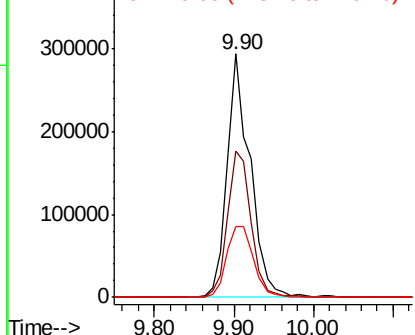
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.03 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	42.4	63.6
119	29.1	27.1	40.7

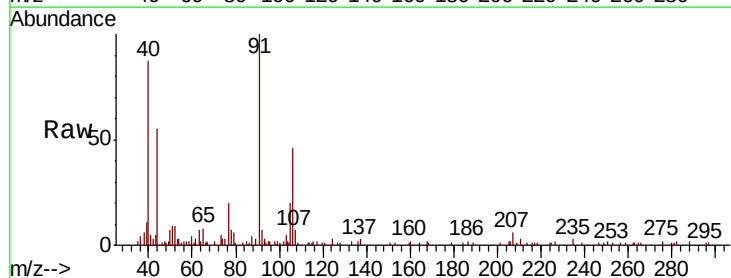


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

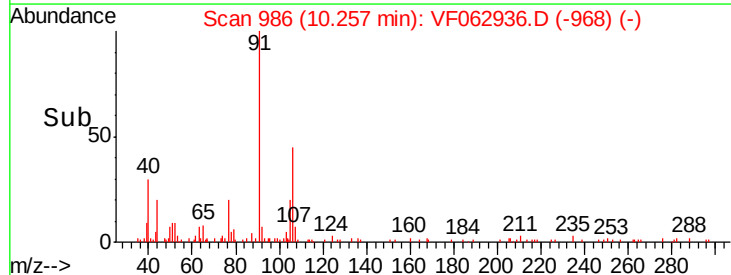
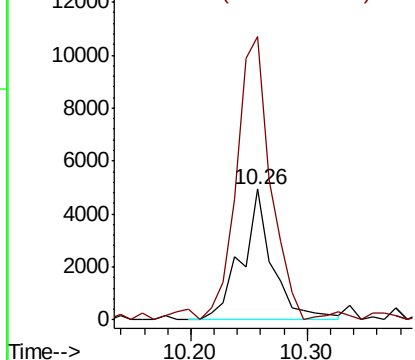


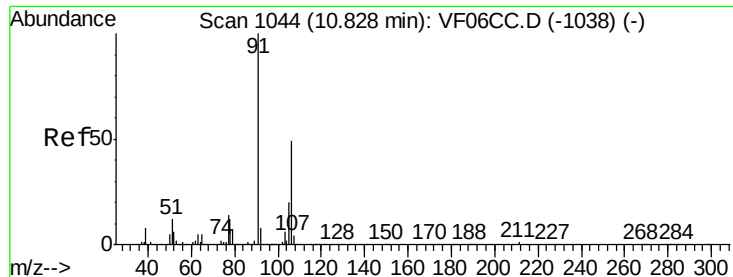
#68
m/p-Xylenes
Concen: 1.193 ug/l
RT: 10.26 min Scan# 986
Delta R.T. -0.02 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

Tgt Ion	Ratio	Lower	Upper
106	100		
91	216.8	136.2	204.4#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

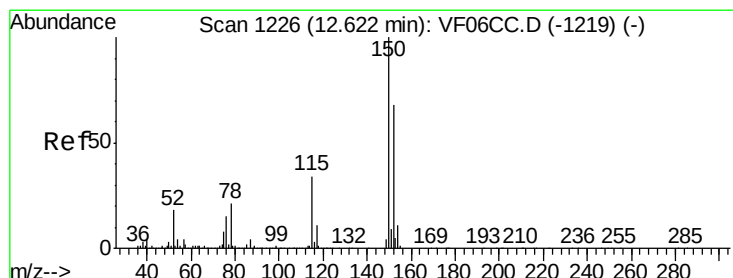
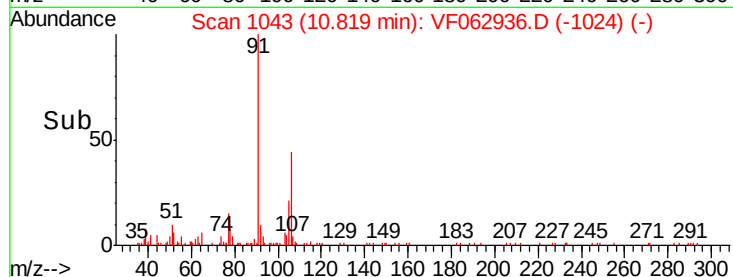
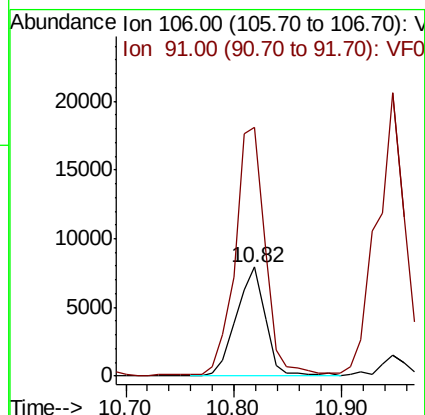
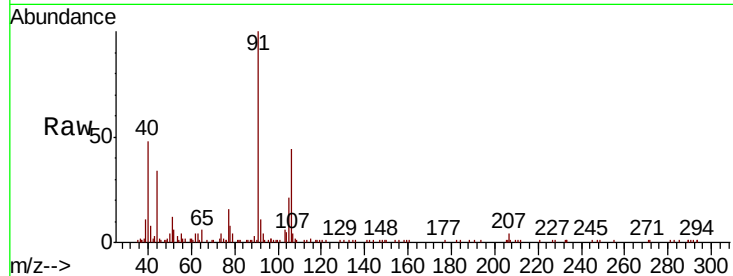




#69
o-Xylene
Concen: 1.935 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

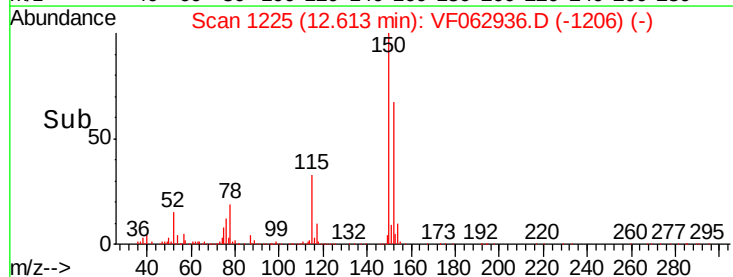
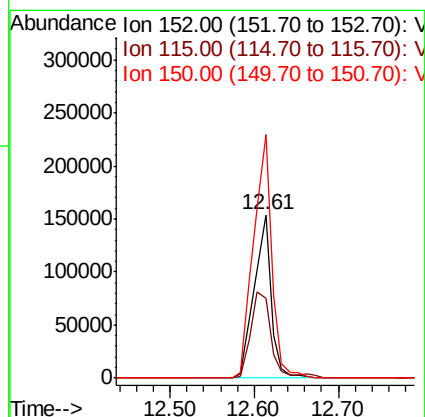
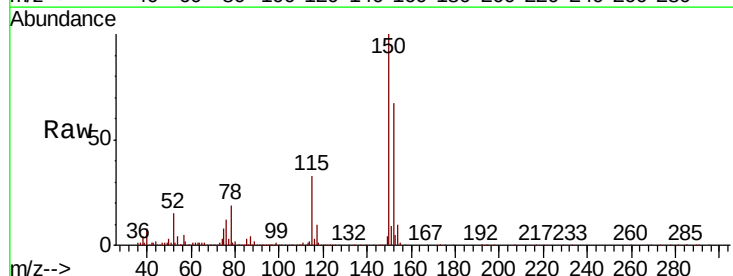
Instrument :
MSVOA_F
ClientSampleId :

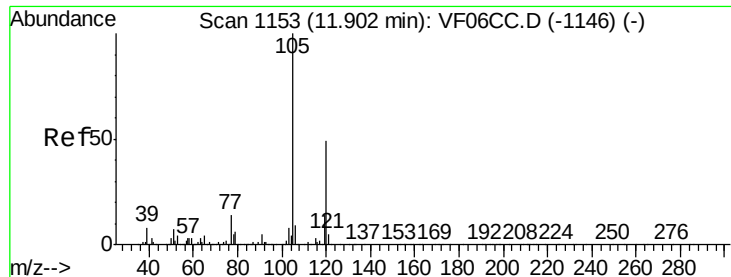
Tot Ion:106 Resp: 14928
Ion Ratio Lower Upper
106 100
91 228.3 96.6 289.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

Tgt Ion:152 Resp: 221561
Ion Ratio Lower Upper
152 100
115 48.8 24.6 74.0
150 148.9 0.0 290.6





#80

1,3,5-Trimethylbenzene

Concen: 1.841 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062936.D

Acq: 12 Jun 2019 19:12

Instrument :

MSVOA_F

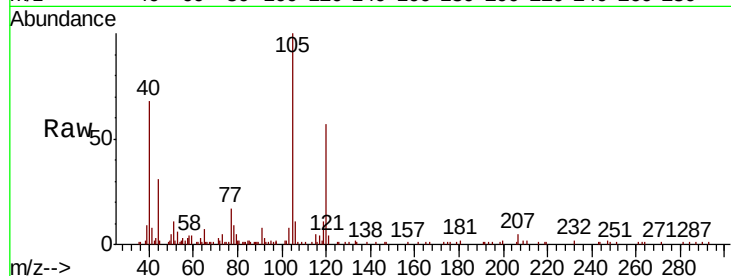
ClientSampleId :

Tot Ion:105 Resp: 23281

Ion Ratio Lower Upper

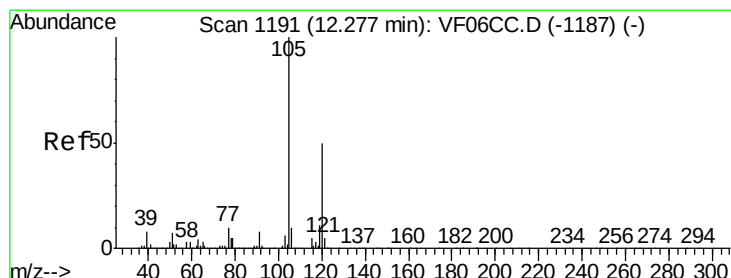
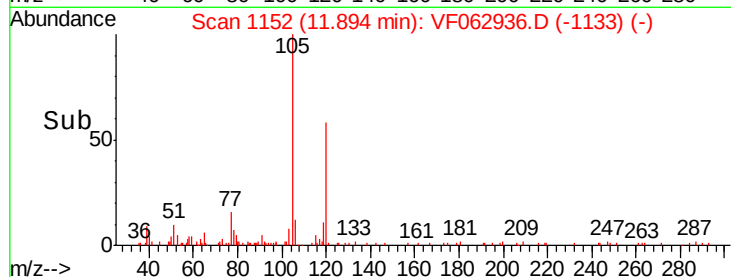
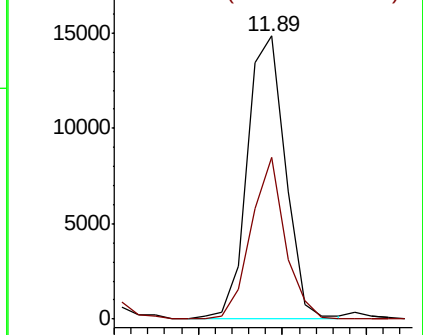
105 100

120 57.0 28.7 86.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 6.645 ug/l

RT: 12.27 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062936.D

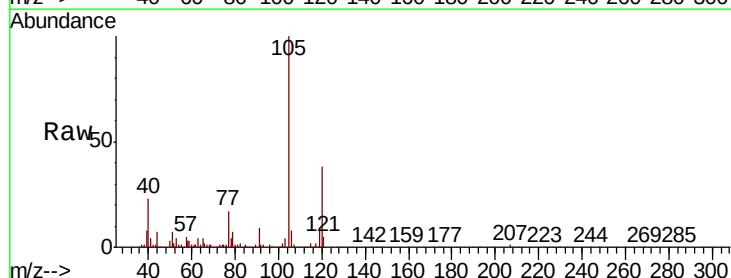
Acq: 12 Jun 2019 19:12

Tgt Ion:105 Resp: 79652

Ion Ratio Lower Upper

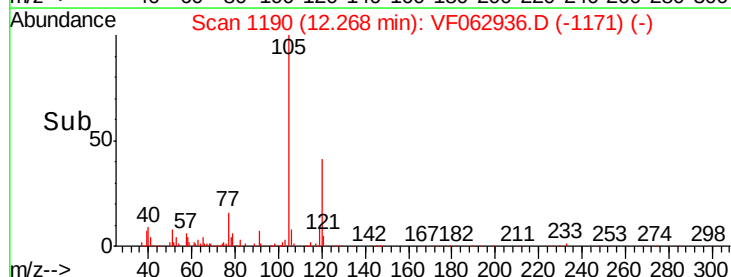
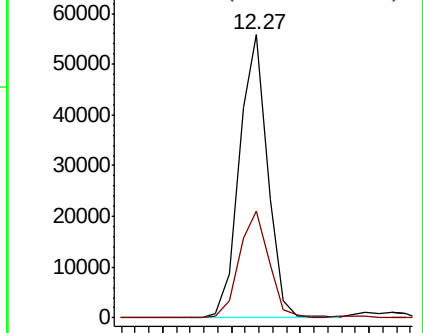
105 100

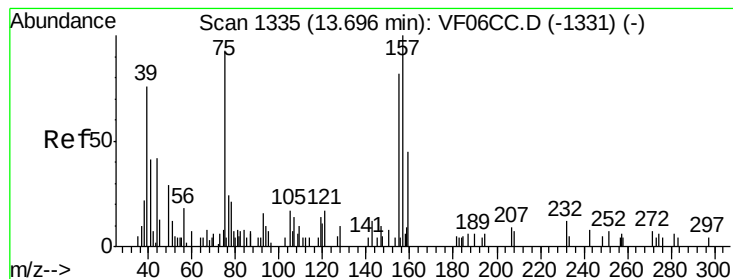
120 37.5 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.335 ug/l

RT: 13.73 min Scan# 1338

Delta R.T. 0.03 min

Lab File: VF062936.D

Acq: 12 Jun 2019 19:12

Instrument :

MSVOA_F

ClientSampled :

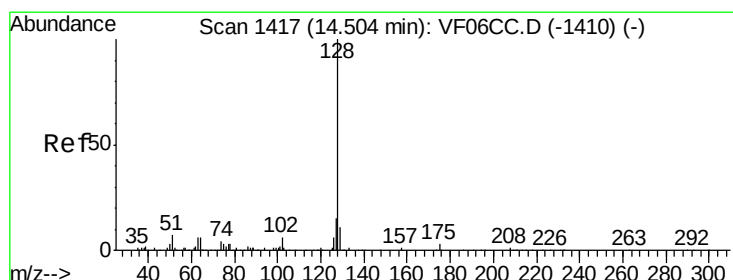
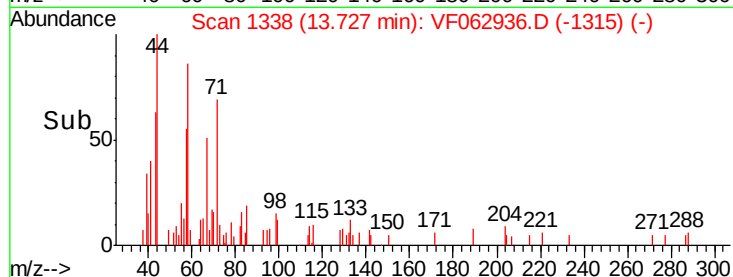
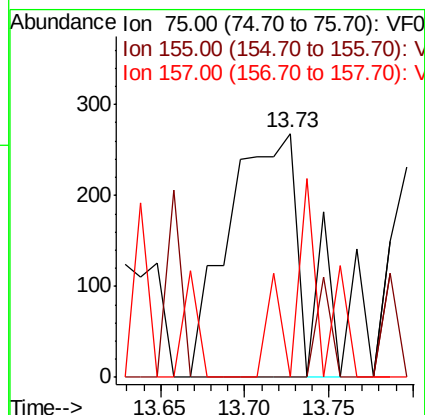
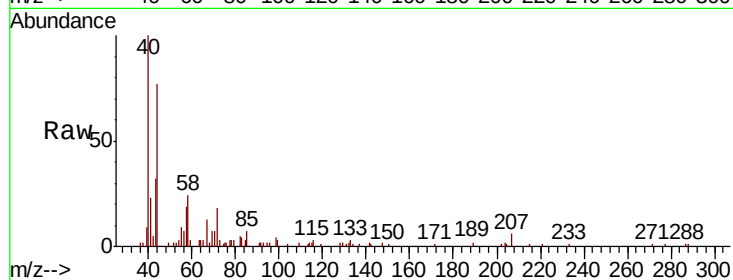
Tot Ion: 75 Resp: 840

Ion Ratio Lower Upper

75 100

155 0.0 51.7 155.1#

157 0.0 66.8 200.6#



#95

Naphthalene

Concen: 2.823 ug/l

RT: 14.49 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF062936.D

Acq: 12 Jun 2019 19:12

Tgt Ion:128 Resp: 19122

Ion Ratio Lower Upper

128 100

127 8.3 9.7 14.5#

129 9.5 9.4 14.2

