

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062859.D
 Acq On : 5 Jun 2019 10:59
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 06 07:59:26 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	5.07	168	869061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1462760	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	1195501	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	576103	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	286572	47.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.38%	
35) Dibromofluoromethane	4.33	113	535942	48.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.98%	
50) Toluene-d8	7.72	98	1354153	48.45	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	11.50	95	491310	48.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	473645	47.995	ug/l	94
3) Chloromethane	1.14	50	442582	49.218	ug/l	91
4) Vinyl Chloride	1.19	62	432589	48.410	ug/l	98
5) Bromomethane	1.39	94	272626	53.497	ug/l	97
6) Chloroethane	1.46	64	180501	54.026	ug/l	92
7) Trichlorofluoromethane	1.56	101	661905	52.323	ug/l	96
8) Diethyl Ether	1.72	74	123790	49.738	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.92	101	411316	51.716	ug/l	95
10) Methyl Iodide	2.00	142	669761	42.000	ug/l	97
11) Tert butyl alcohol	2.71	59	96260	264.409	ug/l	96
12) 1,1-Dichloroethene	1.88	96	367975	50.952	ug/l	94
13) Acrolein	2.11	56	33469	229.454	ug/l	92
14) Allyl chloride	2.21	41	375047	66.940	ug/l	95
15) Acrylonitrile	3.10	53	391169	285.948	ug/l	99
16) Acetone	2.36	43	388724	282.613	ug/l	95
17) Carbon Disulfide	1.91	76	1079377	51.136	ug/l	99
18) Methyl Acetate	2.47	43	111848	46.533	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	694105	53.049	ug/l	97
20) Methylene Chloride	2.35	84	213206	29.744	ug/l	94
21) trans-1,2-Dichloroethene	2.44	96	372867	51.493	ug/l	97
22) Diisopropyl ether	2.95	45	791488	49.723	ug/l	96
23) Vinyl Acetate	3.36	43	2651422	243.305	ug/l	98
24) 1,1-Dichloroethane	3.03	63	611667	51.466	ug/l	99
25) 2-Butanone	4.53	43	761123	237.617	ug/l	97
26) 2,2-Dichloropropane	3.80	77	373598	55.362	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	654154	53.743	ug/l	97
28) Bromochloromethane	3.91	49	305195	47.209	ug/l	92
29) Tetrahydrofuran	4.28	42	297431	242.778	ug/l	97
30) Chloroform	4.06	83	853060	50.928	ug/l	99
31) Cyclohexane	3.89	56	806363	50.114	ug/l	97
32) 1,1,1-Trichloroethane	4.31	97	558539	57.271	ug/l	95
36) 1,1-Dichloropropene	4.49	75	673294	49.999	ug/l	98
37) Ethyl Acetate	4.32	43	257172	49.960	ug/l #	81
38) Carbon Tetrachloride	4.20	117	480135	52.757	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	843738	50.343	ug/l	96
40) Benzene	4.84	78	1915984	48.888	ug/l	98
41) Methacrylonitrile	4.95	41	138555	48.418	ug/l	94
42) 1,2-Dichloroethane	5.15	62	388994	52.187	ug/l	96
43) Isopropyl Acetate	7.13	43	336679	49.511	ug/l	97
44) Trichloroethene	5.70	130	552227	49.927	ug/l	99
45) 1,2-Dichloropropane	6.42	63	478891	48.693	ug/l	94
46) Dibromomethane	6.27	93	293915	51.187	ug/l	94
47) Bromodichloromethane	6.57	83	586826	50.182	ug/l	97
48) Methyl methacrylate	6.89	41	168317	48.029	ug/l	96
49) 1,4-Dioxane	6.88	88	42549	921.111	ug/l #	87
51) 4-Methyl-2-Pentanone	8.41	43	1283711	264.421	ug/l	99
52) Toluene	7.79	92	1084800	51.391	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	487368	50.295	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	691219	49.279	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	302967	48.043	ug/l	98
56) Ethyl methacrylate	8.76	69	355385	52.522	ug/l	99
57) 1,3-Dichloropropane	9.01	76	534847	51.936	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	553437	234.033	ug/l	99
59) 2-Hexanone	9.63	43	980294	283.293	ug/l	94
60) Dibromochloromethane	8.87	129	409726	52.479	ug/l	100
61) 1,2-Dibromoethane	9.14	107	334167	51.023	ug/l	99
64) Tetrachloroethene	8.32	164	396454	43.155	ug/l	98
65) Chlorobenzene	9.95	112	1161874	50.326	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	466815	50.771	ug/l	97
67) Ethyl Benzene	10.04	91	1971392	49.760	ug/l	100
68) m/p-Xylenes	10.27	106	1465176	96.644	ug/l	100
69) o-Xylene	10.82	106	821443	53.516	ug/l	96
70) Styrene	10.89	104	1181582	52.227	ug/l	98
71) Bromoform	10.88	173	242666	55.016	ug/l #	95
73) Isopropylbenzene	11.22	105	2013346	50.086	ug/l	100
74) N-amyl acetate	11.45	43	543434	47.966	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	429551	50.039	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	266644	46.860	ug/l	89
77) Bromobenzene	11.58	156	489717	48.486	ug/l	82
78) n-propylbenzene	11.67	91	2335078	48.110	ug/l	94
79) 2-Chlorotoluene	11.80	91	1346008	48.466	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	1585914	48.243	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	153301	63.635	ug/l	96
82) 4-Chlorotoluene	11.98	91	1347900	49.386	ug/l	98
83) tert-Butylbenzene	12.20	119	1624899	49.884	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	1570498	50.387	ug/l	99
85) sec-Butylbenzene	12.37	105	2229997	51.955	ug/l	99
86) p-Isopropyltoluene	12.52	119	1837129	51.422	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	895918	50.297	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	832871	50.102	ug/l	96
89) n-Butylbenzene	12.90	91	1800455	50.099	ug/l	99
90) Hexachloroethane	12.97	117	464134	53.266	ug/l	84
91) 1,2-Dichlorobenzene	13.00	146	811042	51.802	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	48063	51.391	ug/l	91

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
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QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

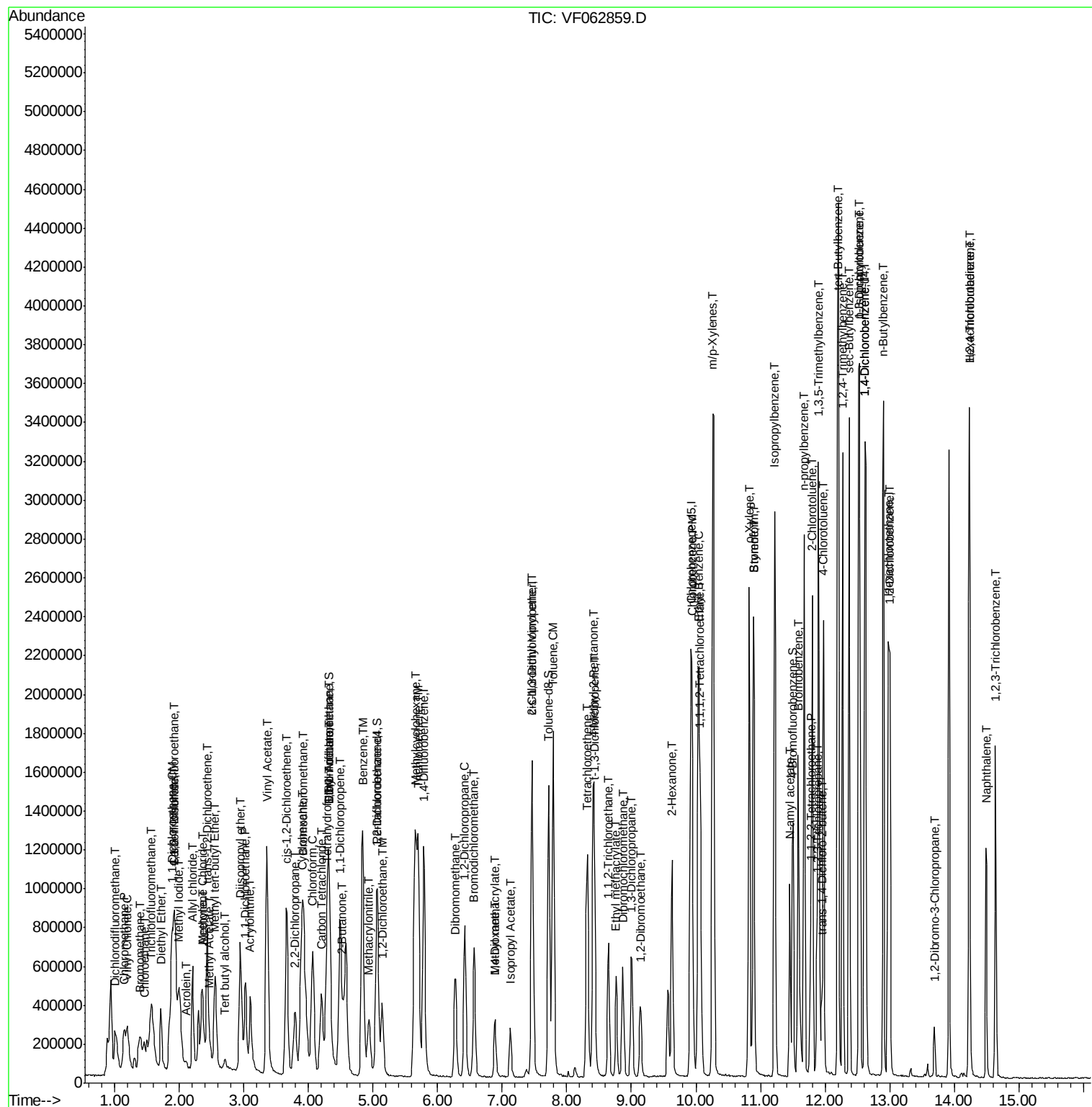
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	556879	51.803	ug/l	96
94) Hexachlorobutadiene	14.23	225	379164	50.985	ug/l	98
95) Naphthalene	14.50	128	883287	50.154	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	482956	49.217	ug/l	98

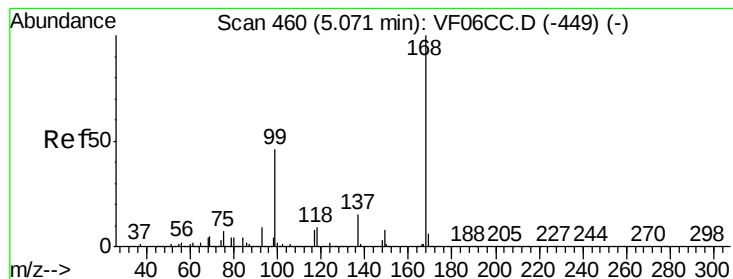
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ClientSampled :

Quant Time: Jun 06 07:59:26 2019
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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: 5.07 min Scan# 460

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

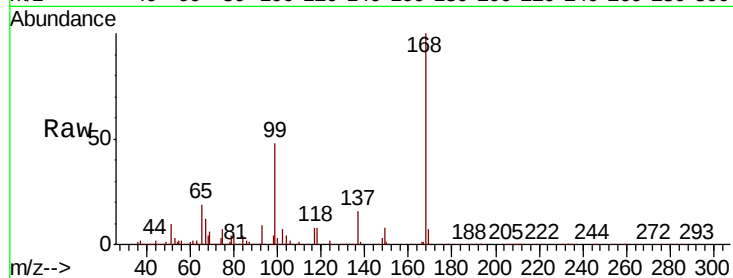
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 869061

Ion Ratio Lower Upper

168 100

99 47.9 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

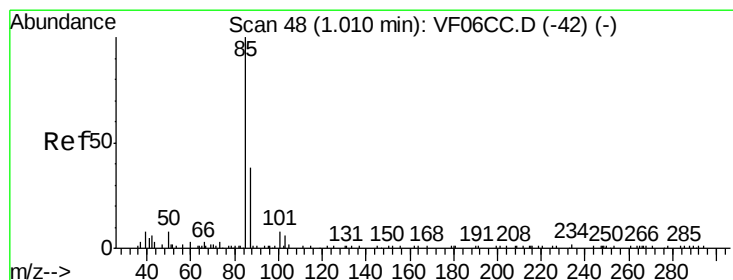
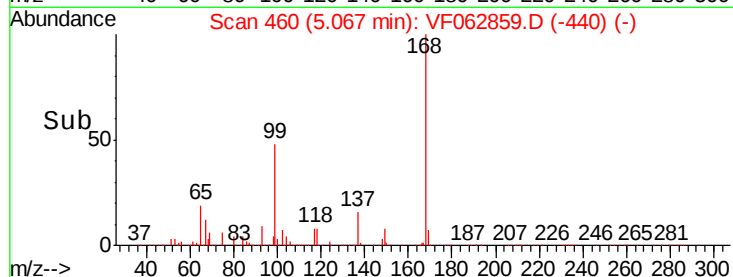
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.995 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062859.D

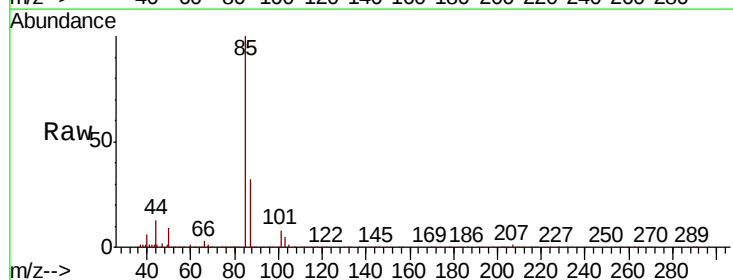
Acq: 5 Jun 2019 10:59

Tgt Ion: 85 Resp: 473645

Ion Ratio Lower Upper

85 100

87 31.8 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

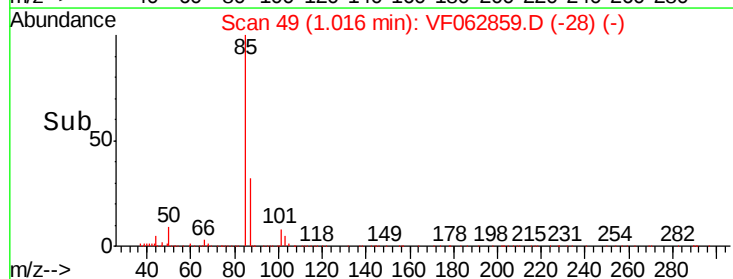
1.02

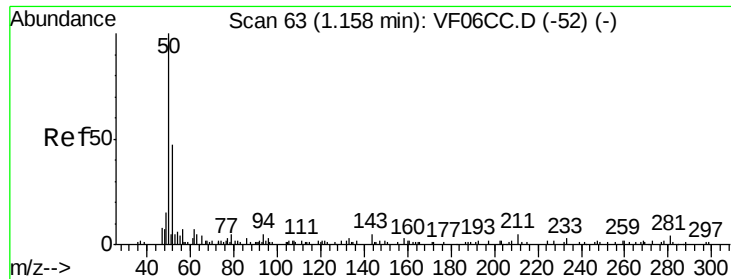
100000

50000

0

Time-->





#3

Chloromethane

Concen: 49.218 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

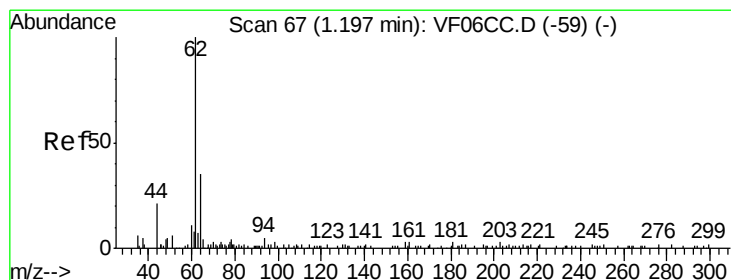
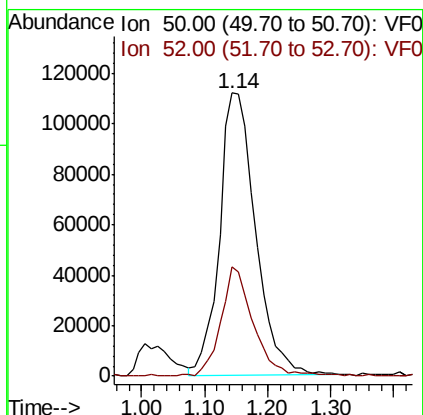
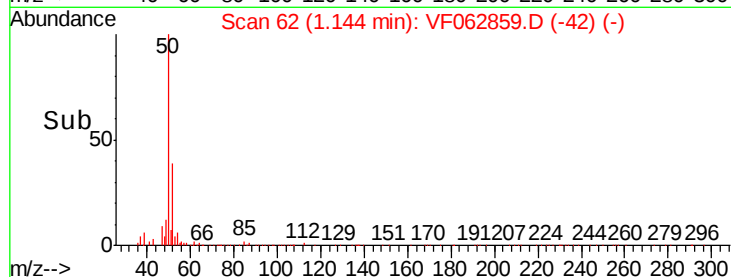
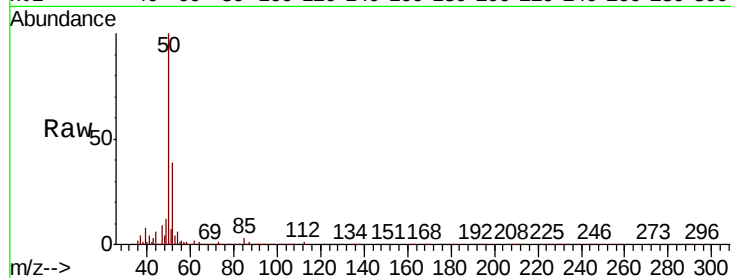
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 442582

Ion Ratio Lower Upper

50 100

52 38.7 27.0 40.4



#4

Vinyl Chloride

Concen: 48.410 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062859.D

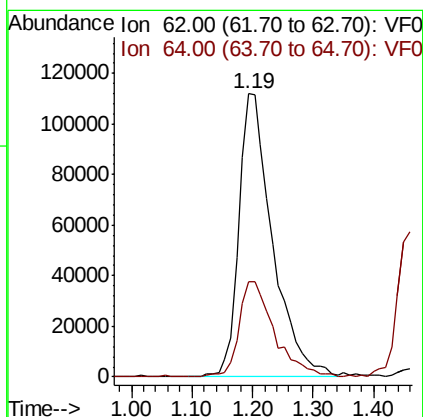
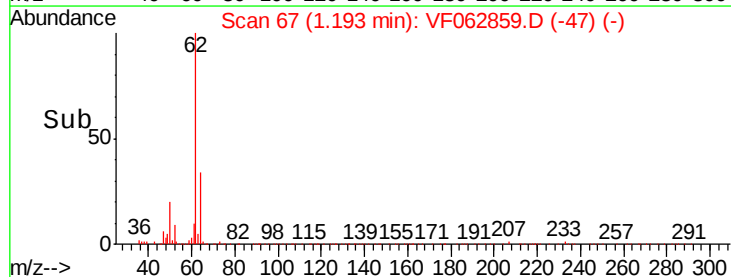
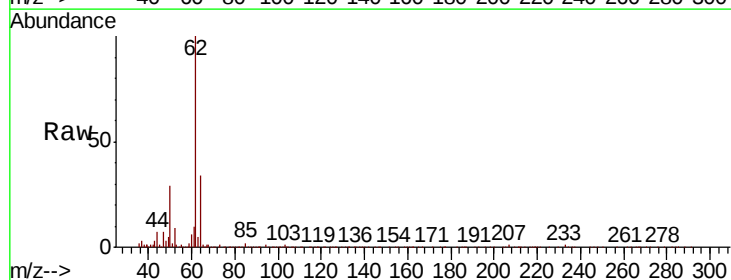
Acq: 5 Jun 2019 10:59

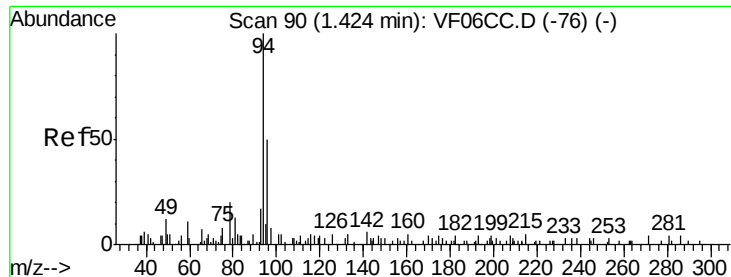
Tgt Ion: 62 Resp: 432589

Ion Ratio Lower Upper

62 100

64 33.7 26.2 39.2





#5

Bromomethane

Concen: 53.497 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

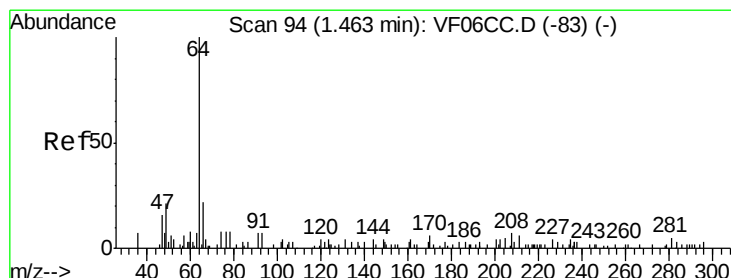
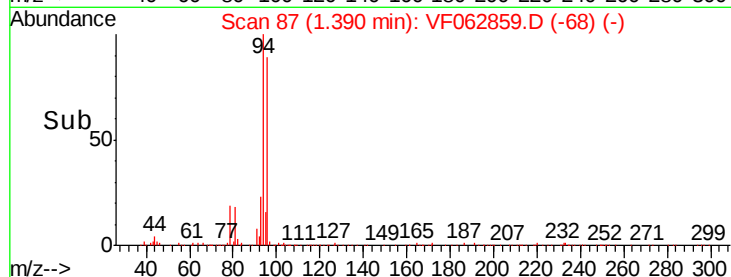
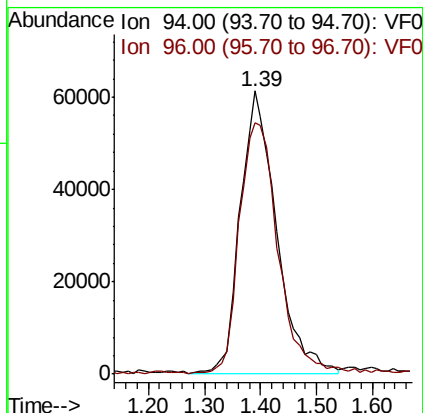
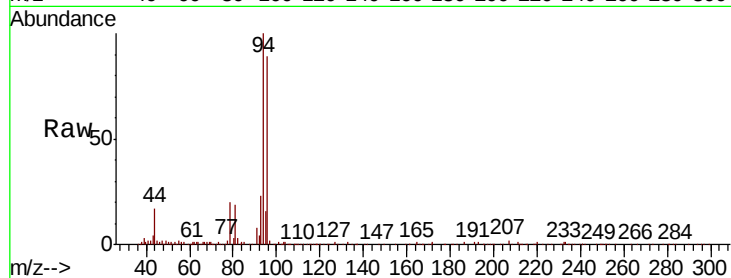
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 272626

Ion Ratio Lower Upper

94 100

96 88.9 73.8 110.6



#6

Chloroethane

Concen: 54.026 ug/l

RT: 1.46 min Scan# 94

Delta R.T. -0.01 min

Lab File: VF062859.D

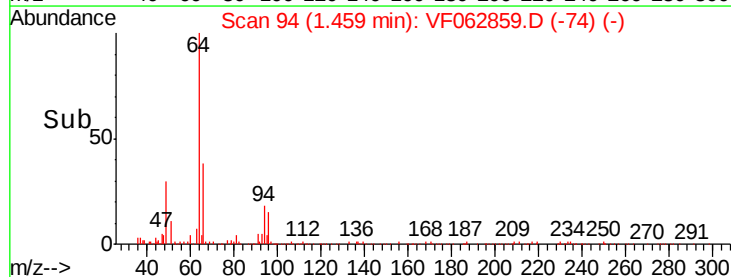
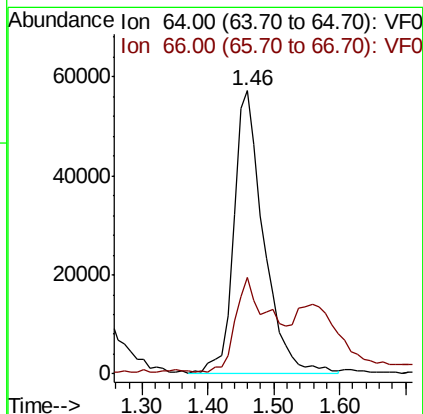
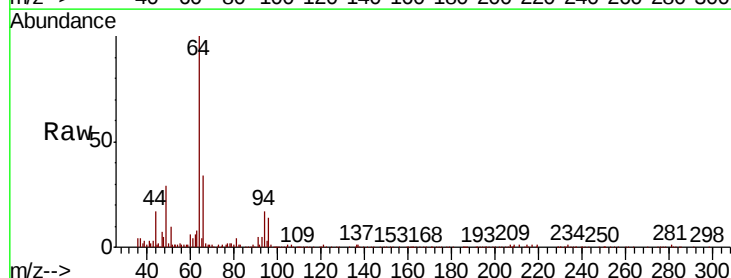
Acq: 5 Jun 2019 10:59

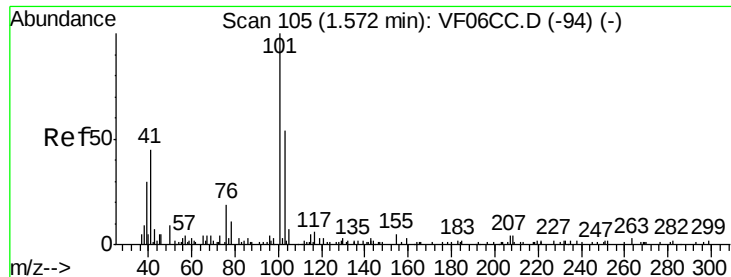
Tgt Ion: 64 Resp: 180501

Ion Ratio Lower Upper

64 100

66 34.0 31.0 46.4



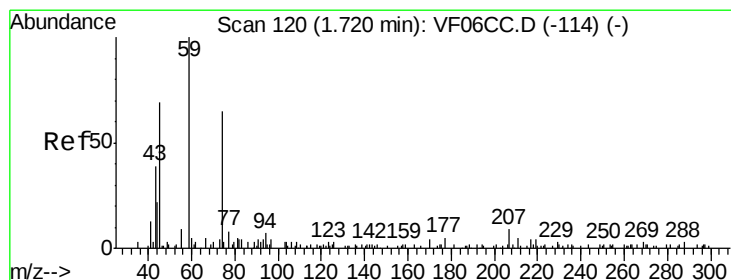
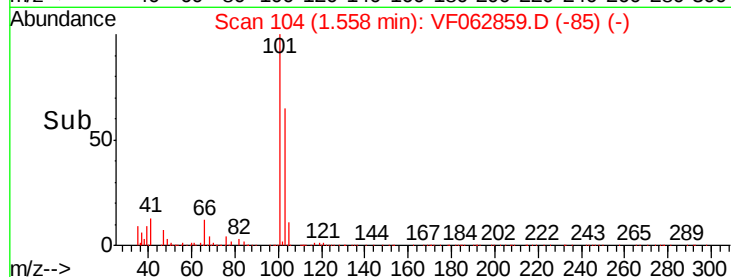
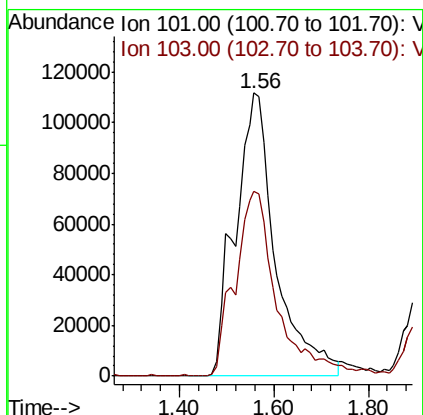
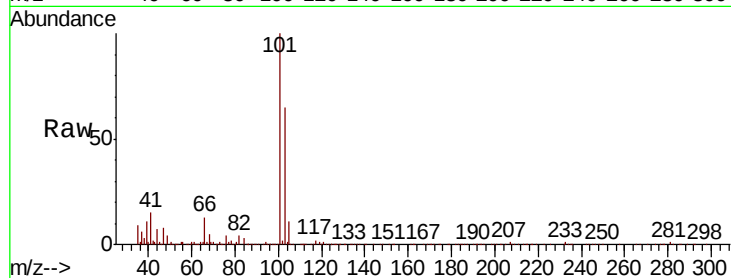


#7

Trichlorofluoromethane
Concen: 52.323 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampled :

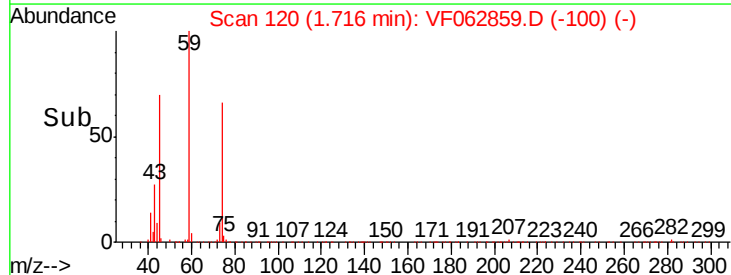
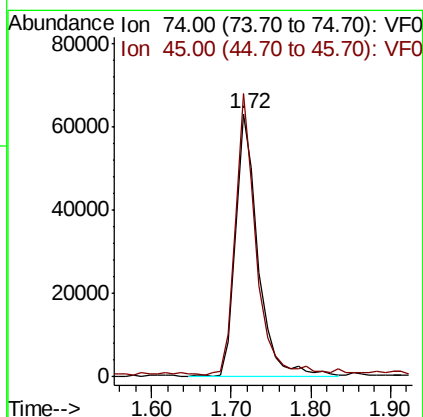
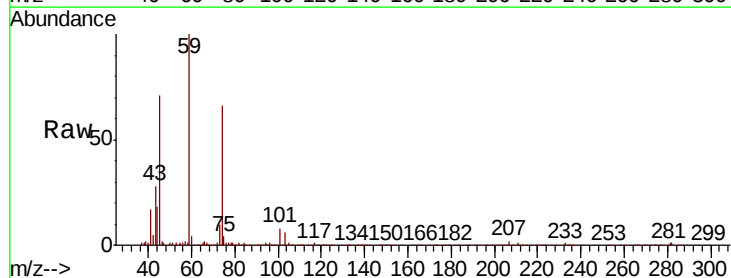
Tot Ion:101 Resp: 661905
Ion Ratio Lower Upper
101 100
103 65.4 54.6 82.0

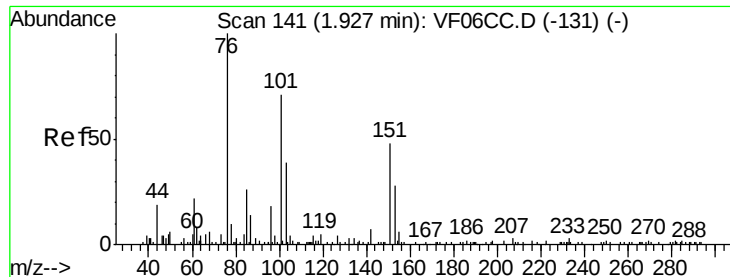


#8

Diethyl Ether
Concen: 49.738 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion: 74 Resp: 123790
Ion Ratio Lower Upper
74 100
45 107.5 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.716 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

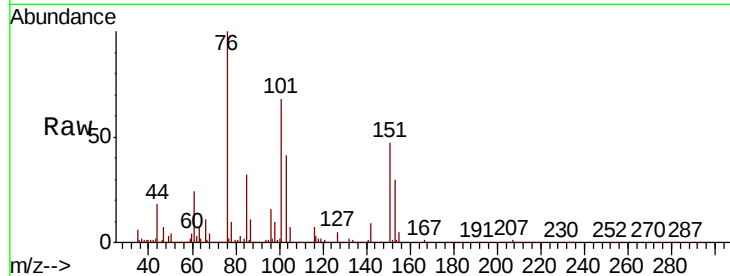
Tot Ion:101 Resp: 411316

Ion Ratio Lower Upper

101 100

85 47.4 37.1 55.7

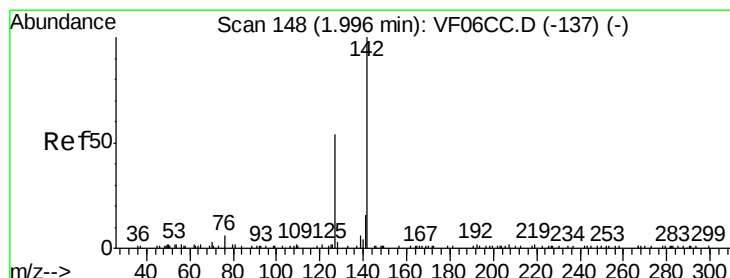
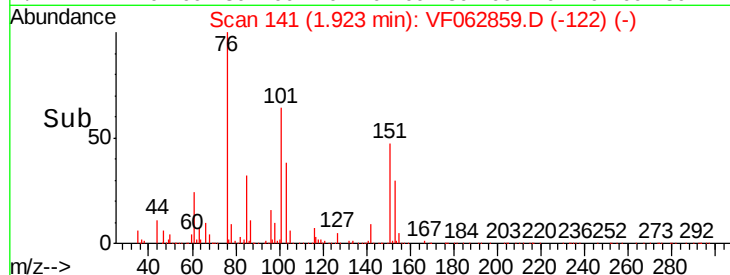
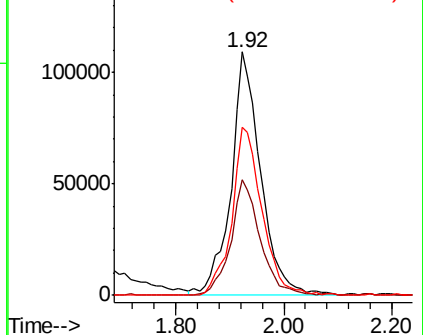
151 69.3 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 42.000 ug/l

RT: 2.00 min Scan# 149

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

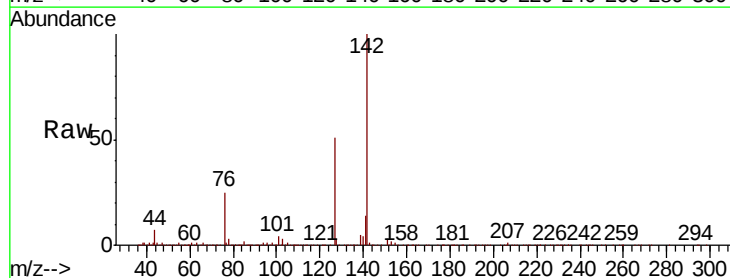
Tgt Ion:142 Resp: 669761

Ion Ratio Lower Upper

142 100

127 51.3 39.4 59.2

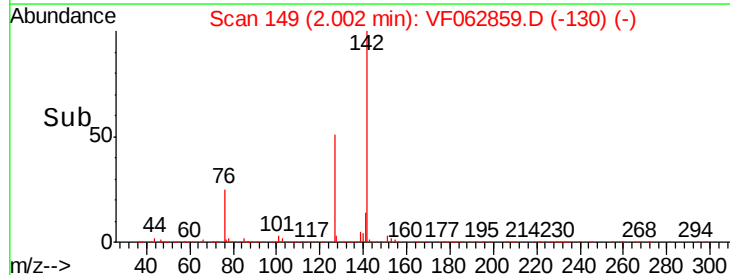
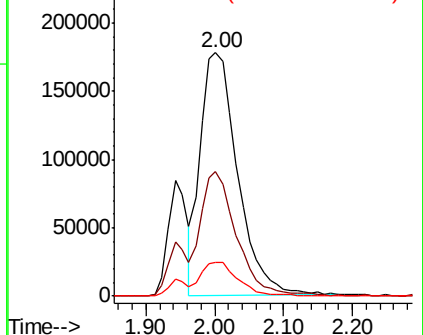
141 13.9 10.6 15.8

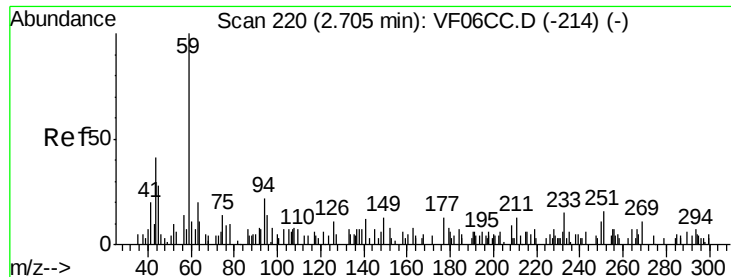


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



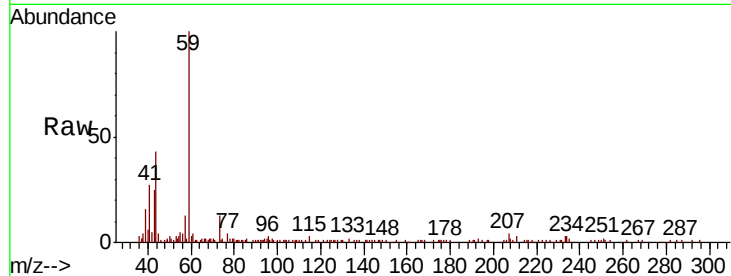


#11

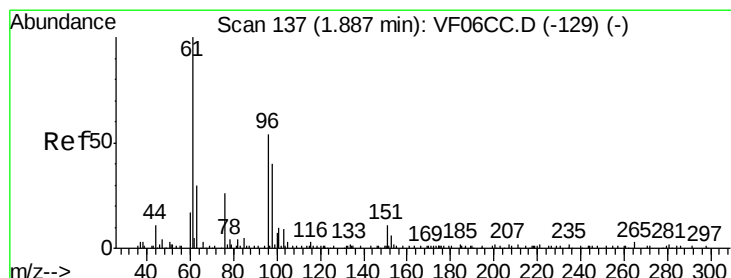
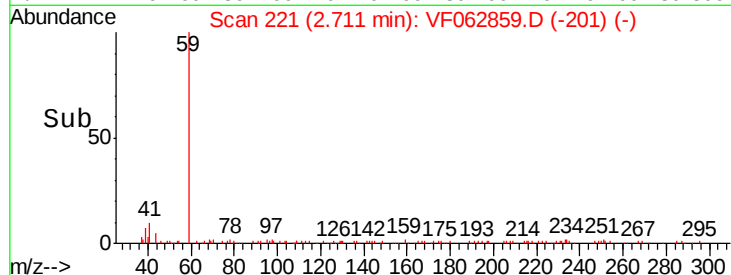
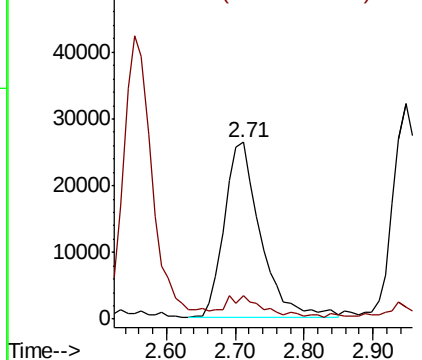
Tert butyl alcohol
 Concen: 264.409 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion: 59 Resp: 96260
 Ion Ratio Lower Upper
 59 100
 57 13.2 9.2 13.8



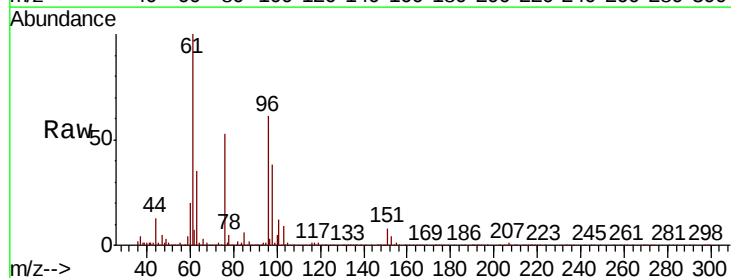
Abundance Ion 59.00 (58.70 to 59.70): VF0
 Ion 57.00 (56.70 to 57.70): VF0



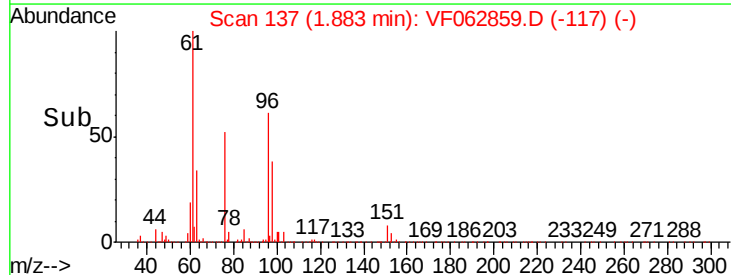
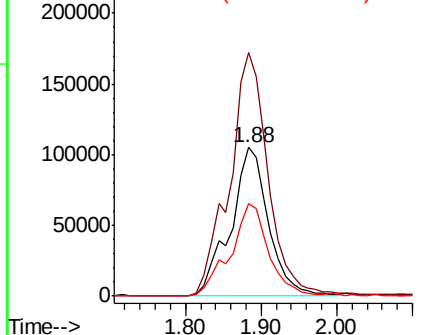
#12

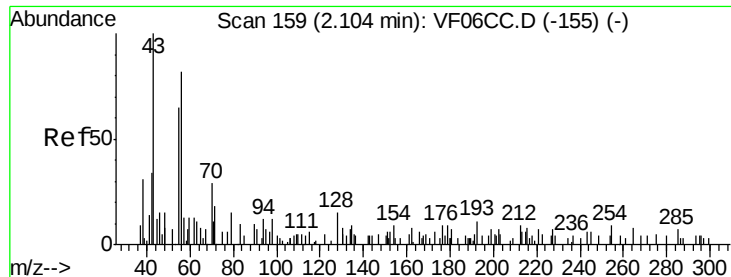
1,1-Dichloroethene
 Concen: 50.952 ug/l
 RT: 1.88 min Scan# 137
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Tgt Ion: 96 Resp: 367975
 Ion Ratio Lower Upper
 96 100
 61 163.9 139.4 209.2
 98 62.2 50.3 75.5



Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0

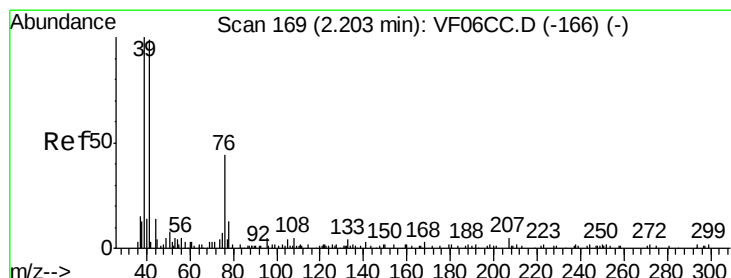
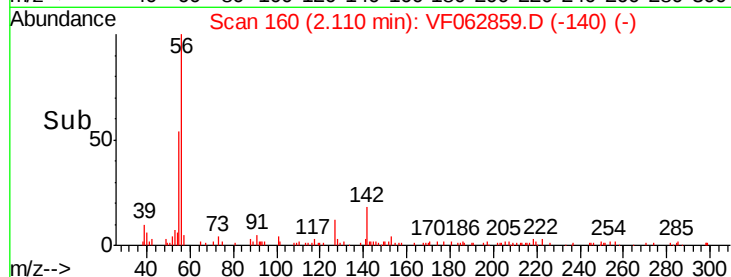
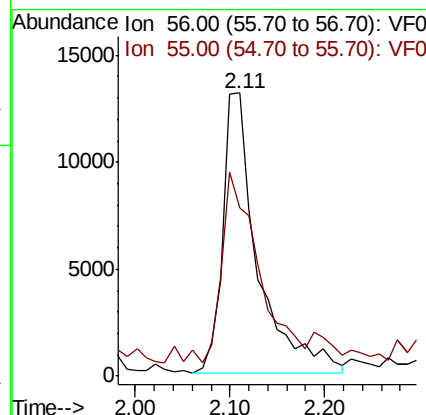
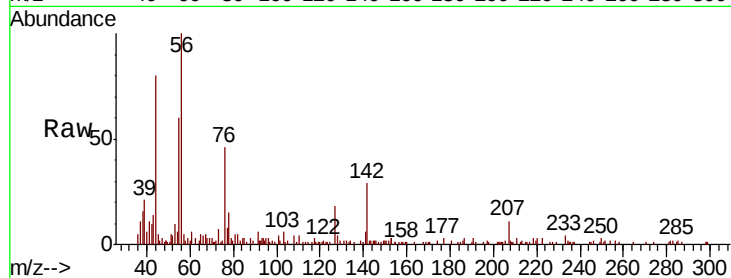




#13
Acrolein
Concen: 229.454 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

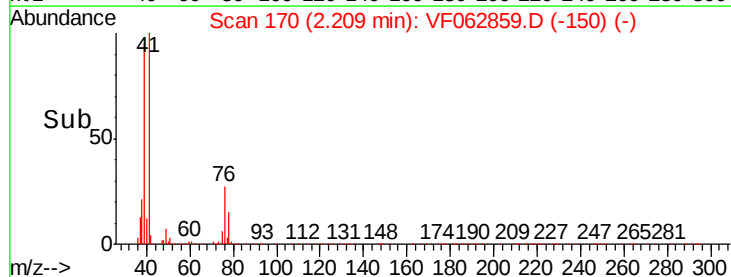
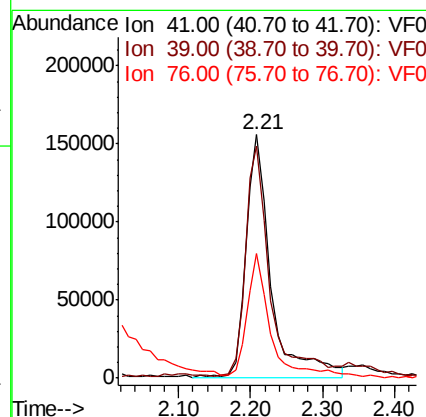
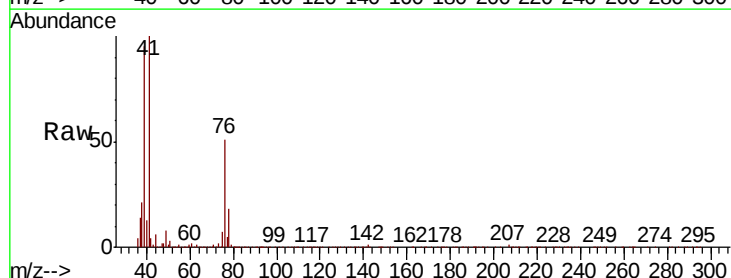
Instrument :
MSVOA_F
ClientSampleId :

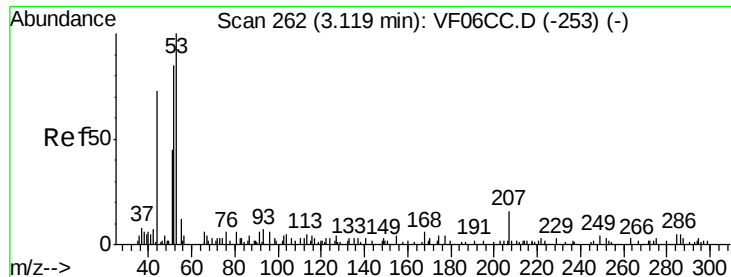
Tot Ion: 56 Resp: 33469
Ion Ratio Lower Upper
56 100
55 59.6 52.9 79.3



#14
Allyl chloride
Concen: 66.940 ug/l
RT: 2.21 min Scan# 170
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion: 41 Resp: 375047
Ion Ratio Lower Upper
41 100
39 95.3 71.9 107.9
76 51.1 39.6 59.4





#15

Acrylonitrile

Concen: 285.948 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

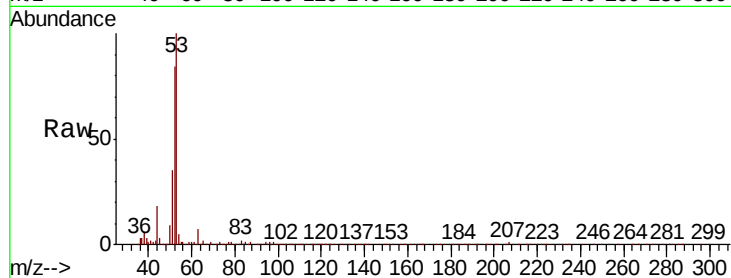
Tot Ion: 53 Resp: 391169

Ion Ratio Lower Upper

53 100

52 84.2 68.1 102.1

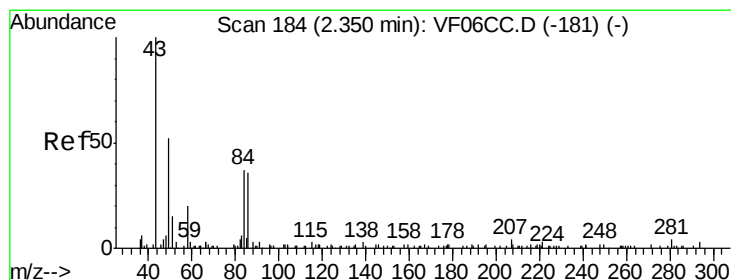
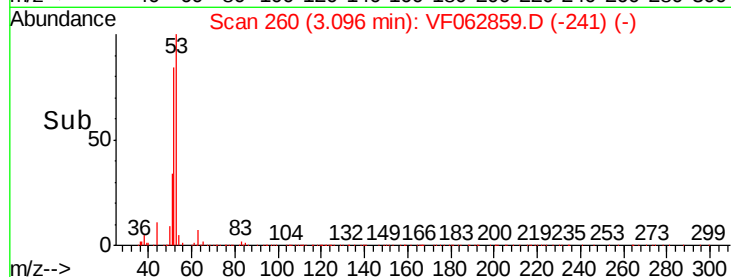
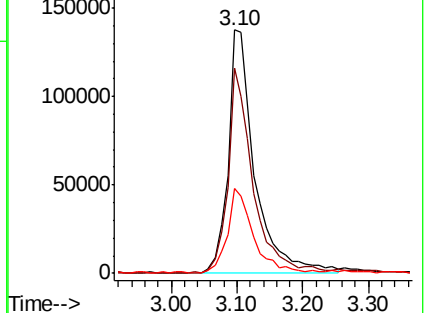
51 35.0 27.7 41.5



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 282.613 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.01 min

Lab File: VF062859.D

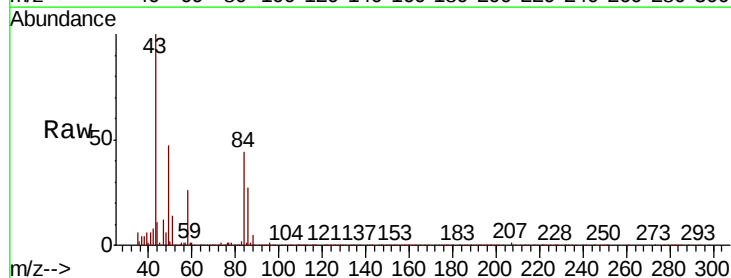
Acq: 5 Jun 2019 10:59

Tgt Ion: 43 Resp: 388724

Ion Ratio Lower Upper

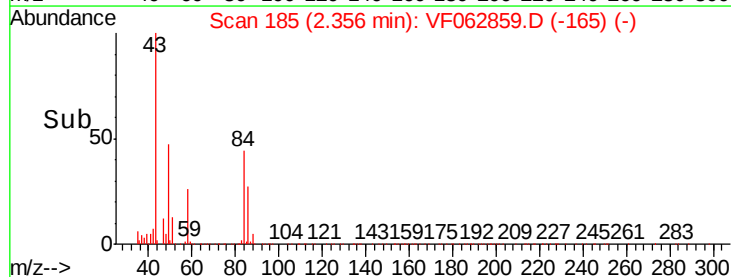
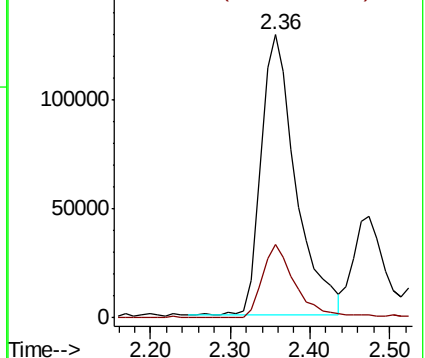
43 100

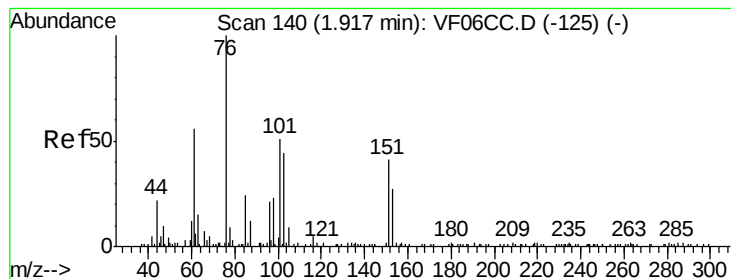
58 26.0 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 51.136 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

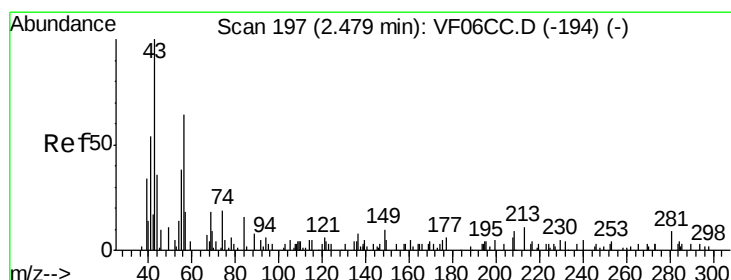
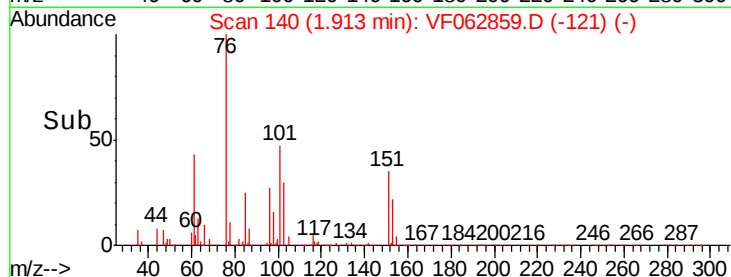
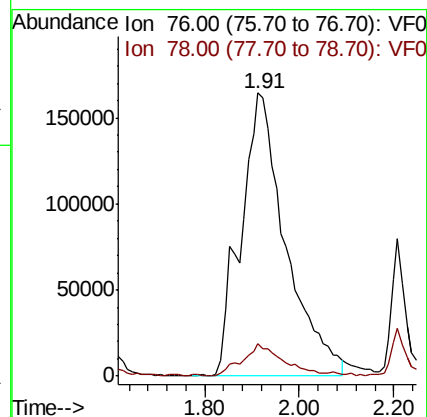
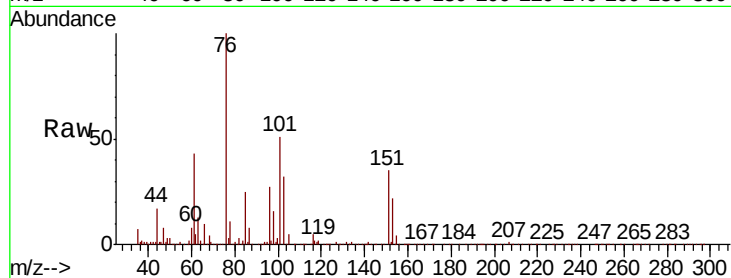
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 1079377

Ion Ratio Lower Upper

76 100

78 11.3 9.4 14.2



#18

Methyl Acetate

Concen: 46.533 ug/l

RT: 2.47 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF062859.D

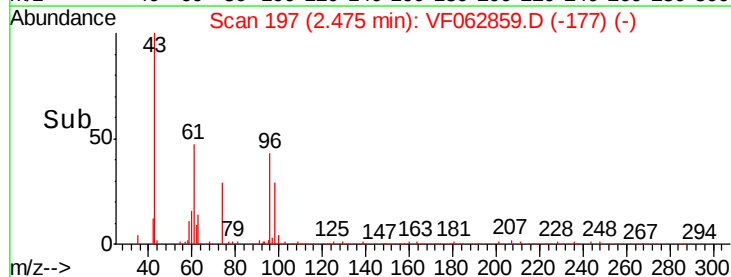
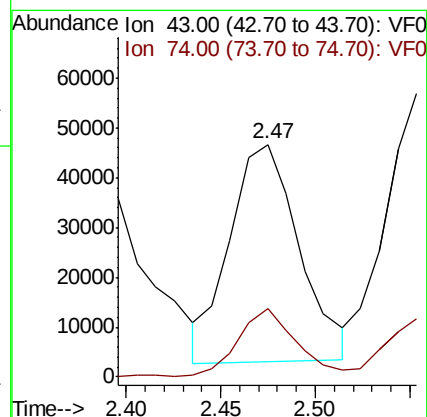
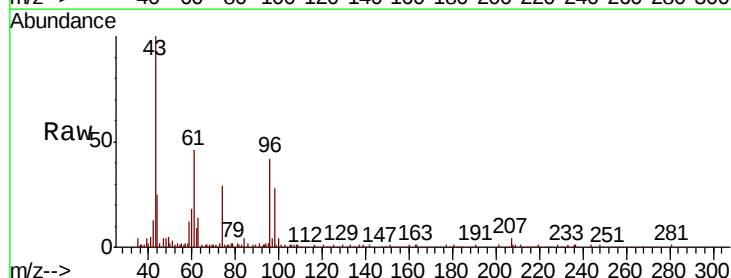
Acq: 5 Jun 2019 10:59

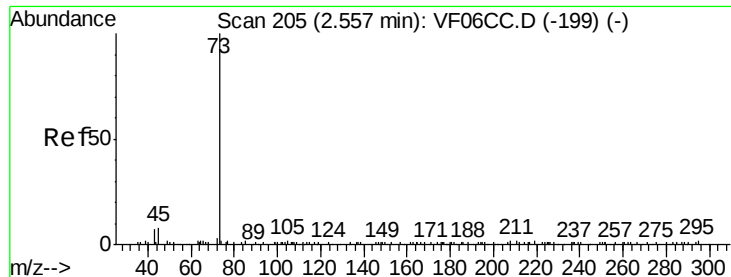
Tgt Ion: 43 Resp: 111848

Ion Ratio Lower Upper

43 100

74 29.3 22.1 33.1



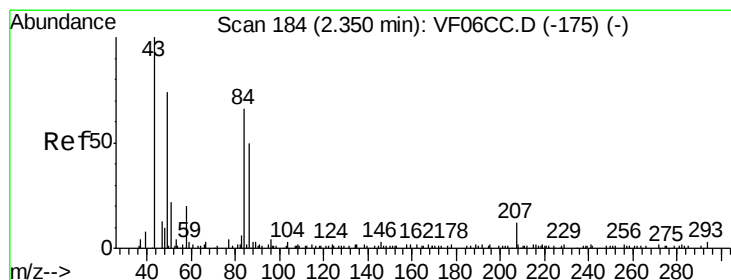
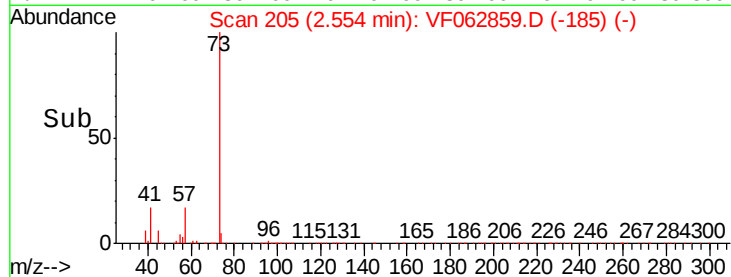
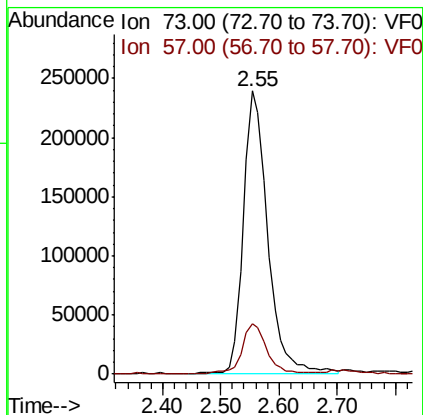
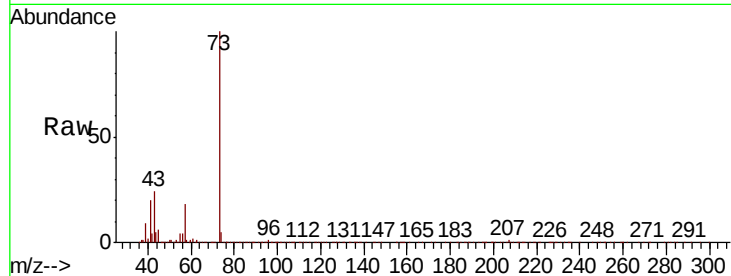


#19

Methyl tert-butyl Ether
 Concen: 53.049 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Instrument :
 MSVOA_F
 ClientSampleId :

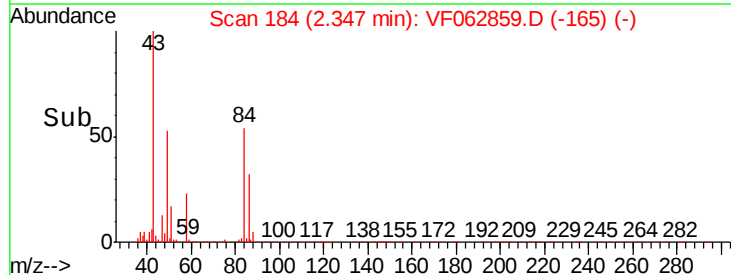
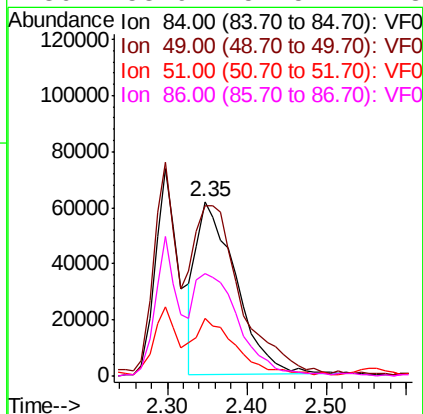
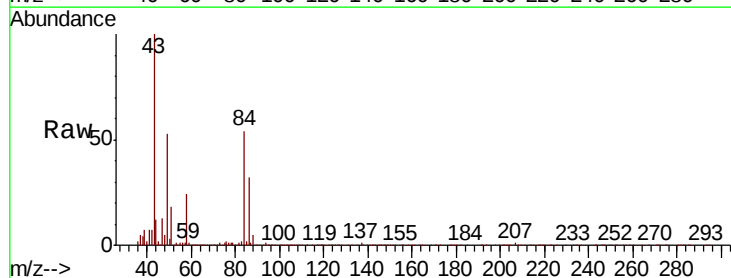
Tot Ion: 73 Resp: 694105
 Ion Ratio Lower Upper
 73 100
 57 17.7 15.1 22.7

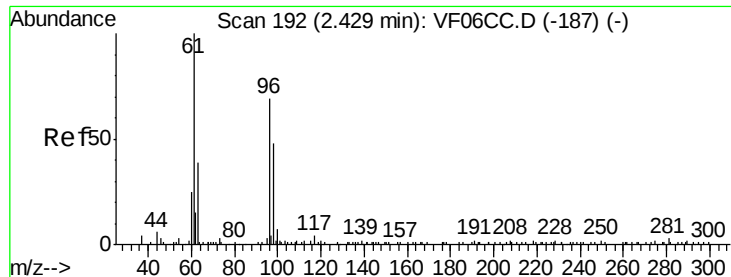


#20

Methylene Chloride
 Concen: 29.744 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. -0.02 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Tgt Ion: 84 Resp: 213206
 Ion Ratio Lower Upper
 84 100
 49 97.3 82.6 123.8
 51 32.7 25.0 37.4
 86 58.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 51.493 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

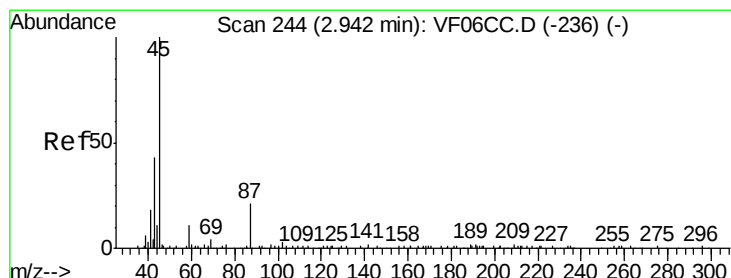
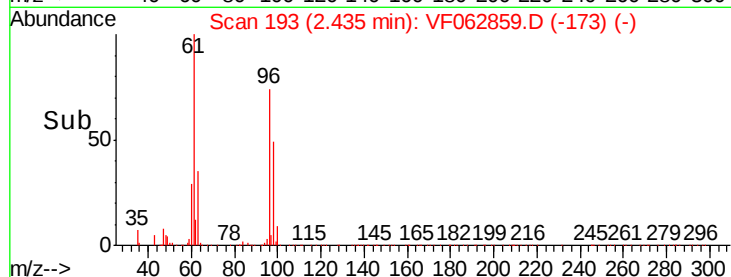
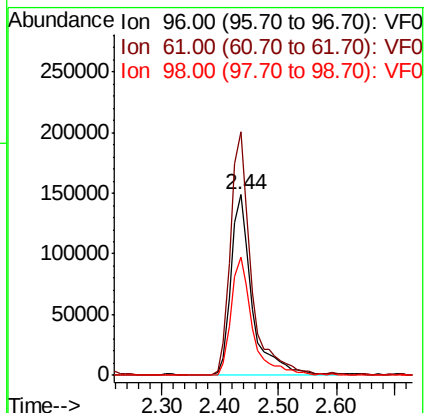
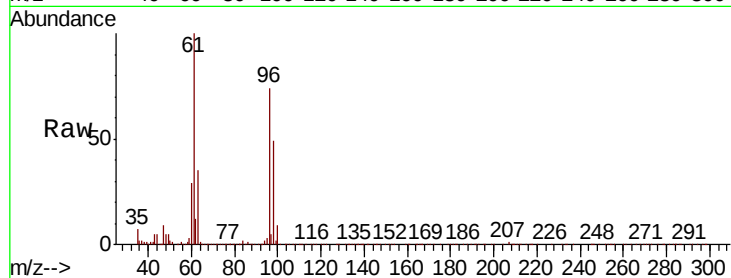
Tot Ion: 96 Resp: 372867

Ion Ratio Lower Upper

96 100

61 134.8 105.0 157.6

98 65.7 51.1 76.7



#22

Diisopropyl ether

Concen: 49.723 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tgt Ion: 45 Resp: 791488

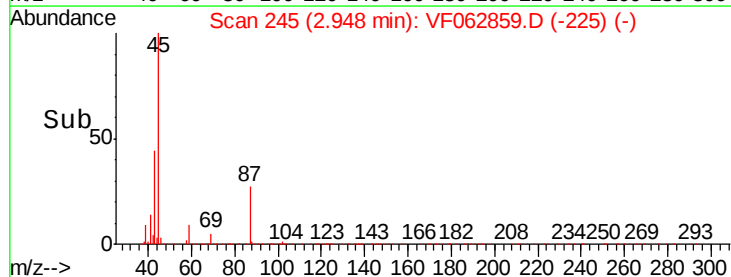
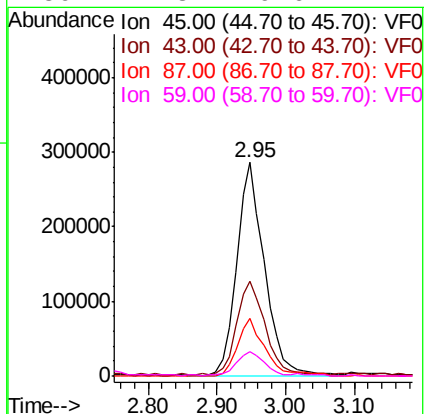
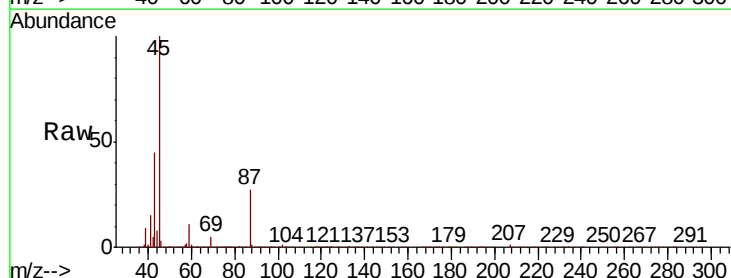
Ion Ratio Lower Upper

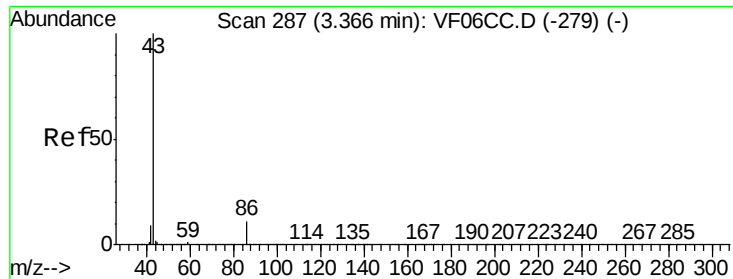
45 100

43 44.6 34.3 51.5

87 26.7 19.0 28.4

59 11.3 9.6 14.4

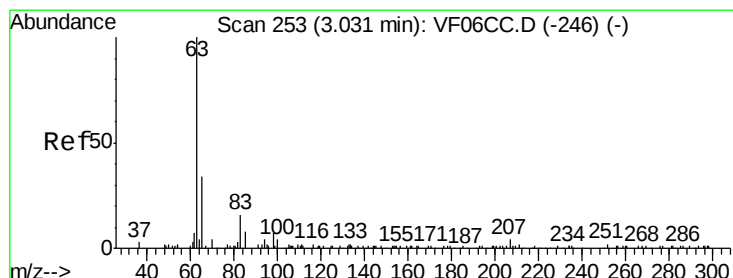
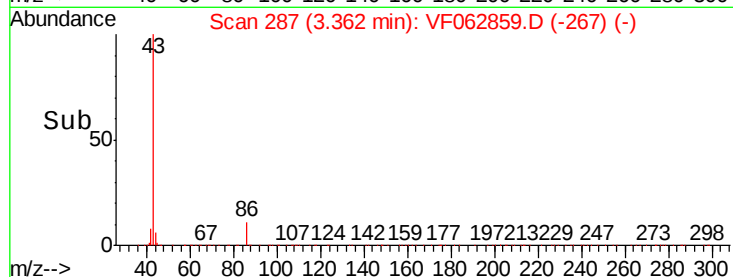
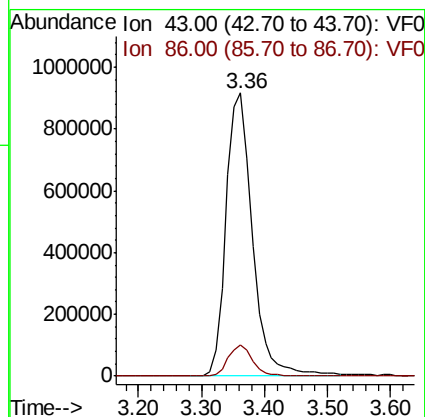
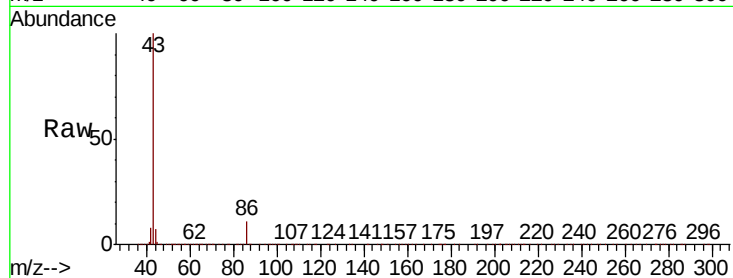




#23
 Vinyl Acetate
 Concen: 243.305 ug/l
 RT: 3.36 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

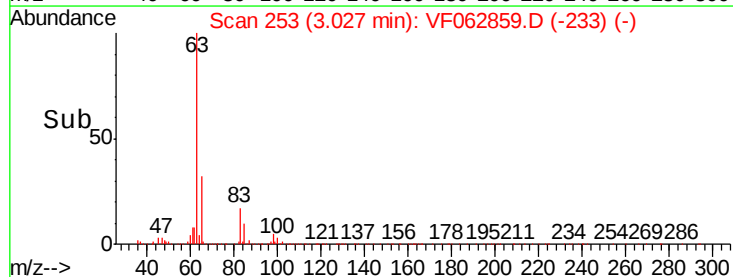
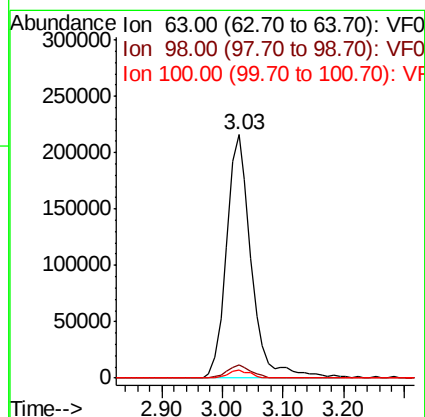
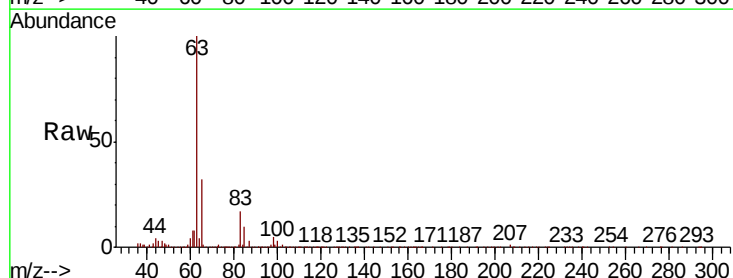
Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 2651422
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 51.466 ug/l
 RT: 3.03 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Tgt Ion: 63 Resp: 611667
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.4 7.1
 100 3.2 1.5 4.5

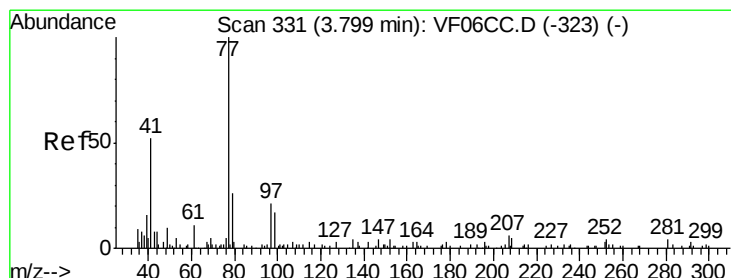
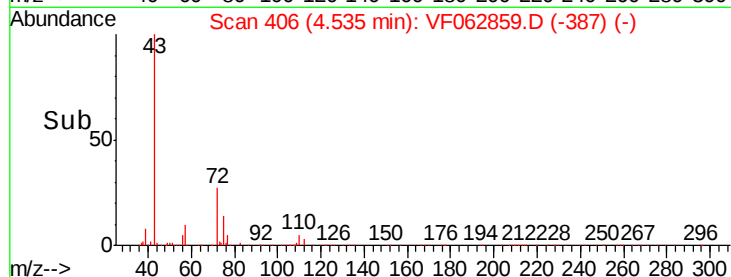
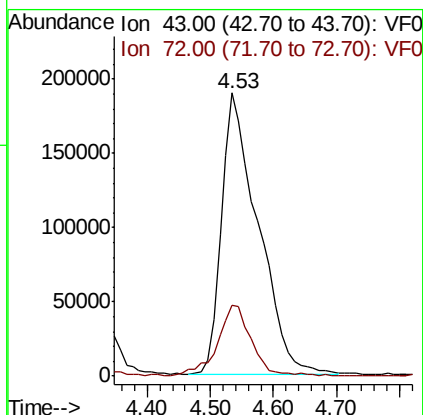
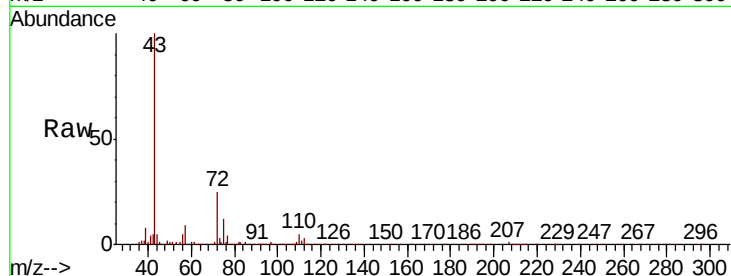




#25
2-Butanone
Concen: 237.617 ug/l
RT: 4.53 min Scan# 406
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

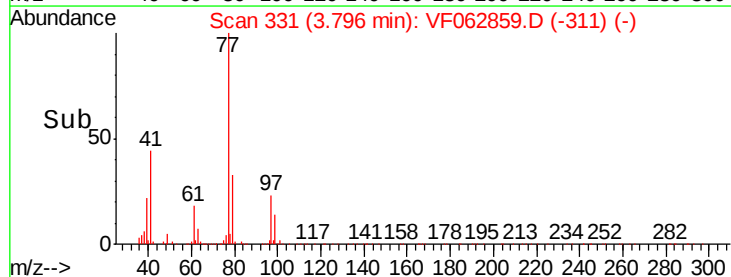
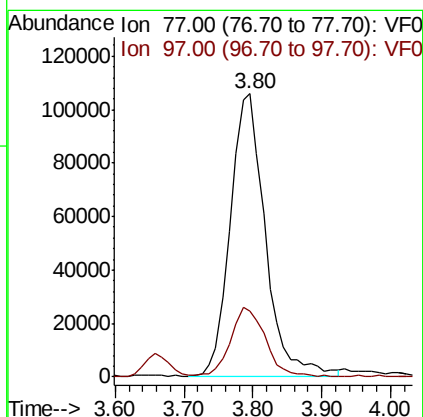
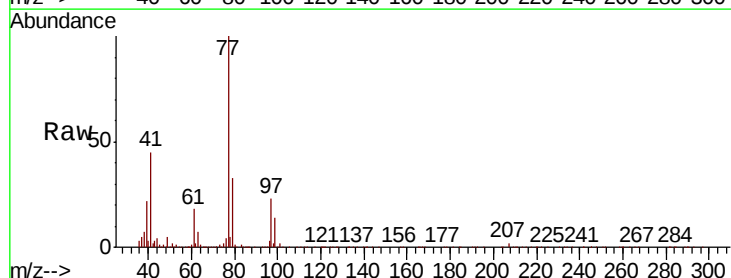
Instrument :
MSVOA_F
ClientSampled :

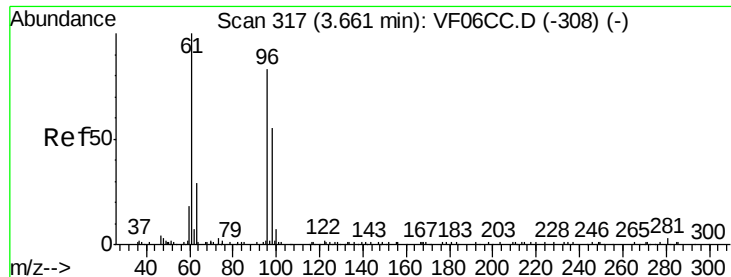
Tot Ion: 43 Resp: 761123
Ion Ratio Lower Upper
43 100
72 25.1 21.4 32.0



#26
2,2-Dichloropropane
Concen: 55.362 ug/l
RT: 3.80 min Scan# 331
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion: 77 Resp: 373598
Ion Ratio Lower Upper
77 100
97 23.2 12.4 37.4



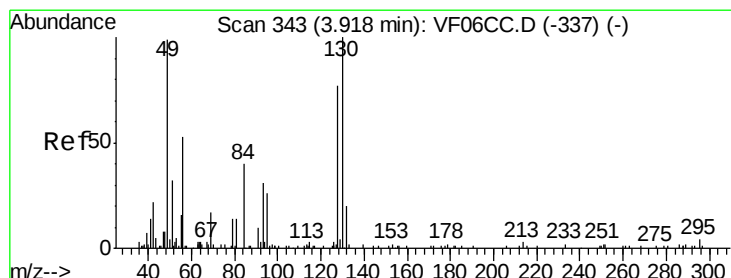
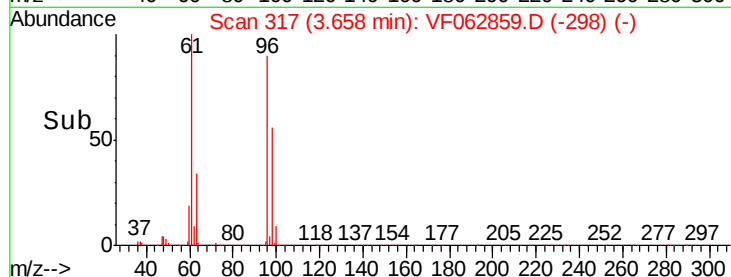
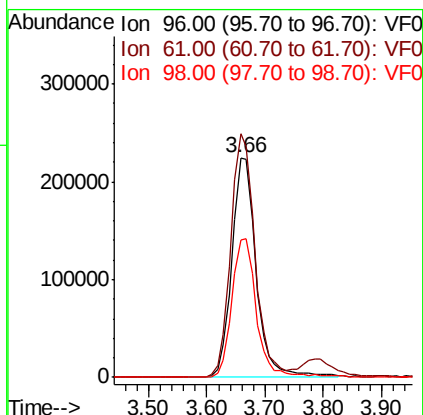
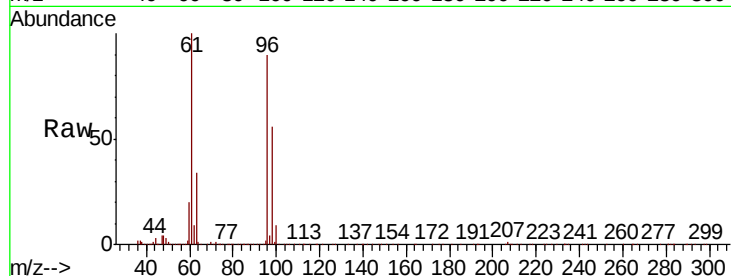


#27

cis-1,2-Dichloroethene
Concen: 53.743 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :

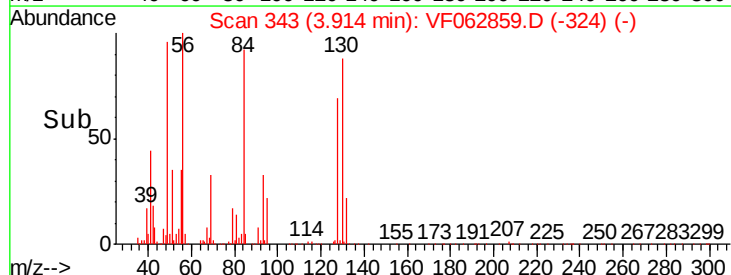
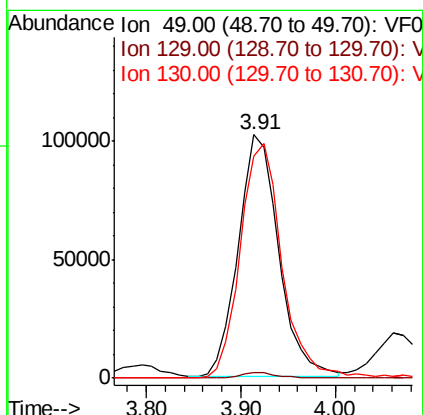
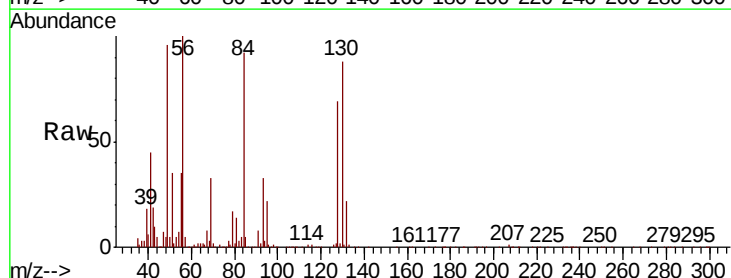
Tot Ion	Ratio	Lower	Upper
96	100		
61	110.7	0.0	213.8
98	62.2	0.0	127.0

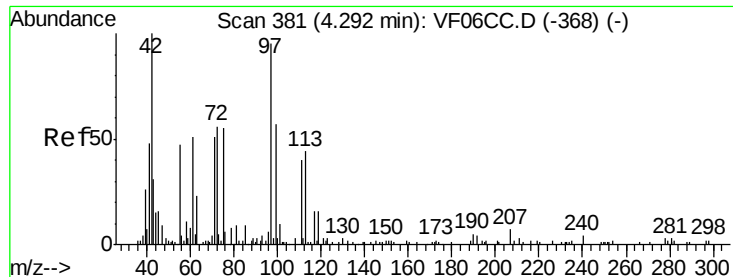


#28

Bromochloromethane
Concen: 47.209 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.4
130	91.4	79.2	118.8

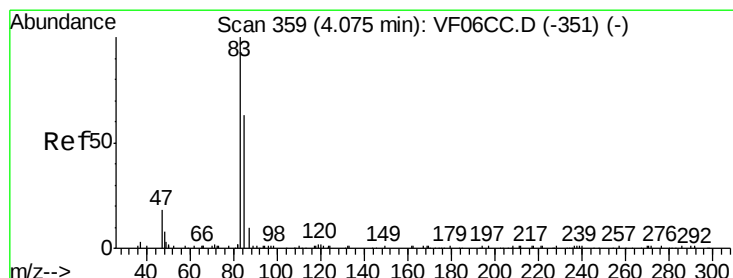
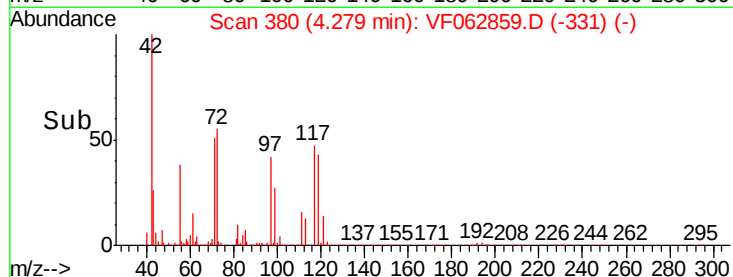
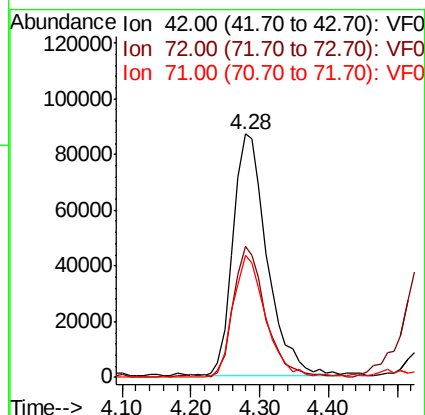
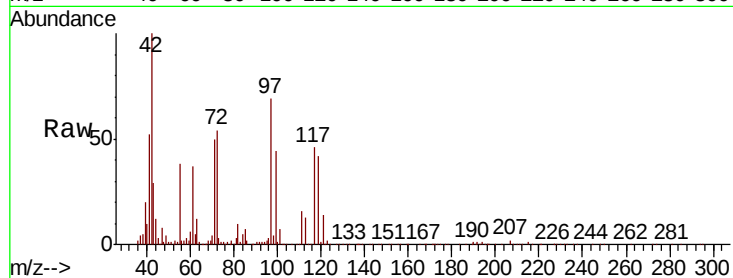




#29
Tetrahydrofuran
Concen: 242.778 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

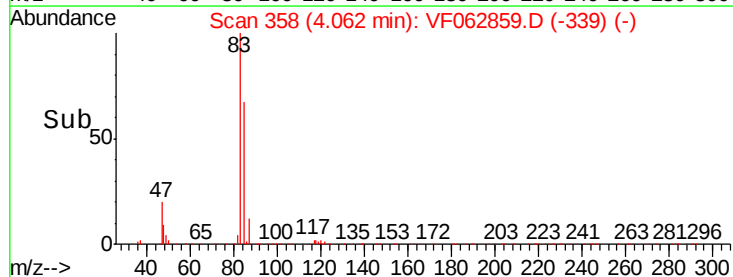
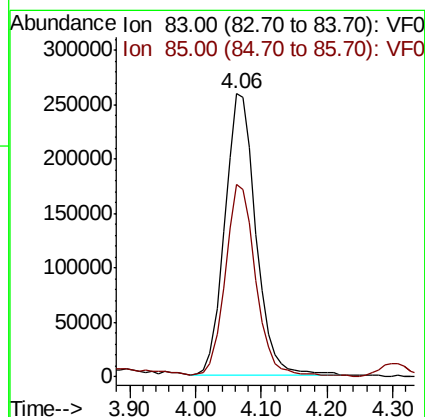
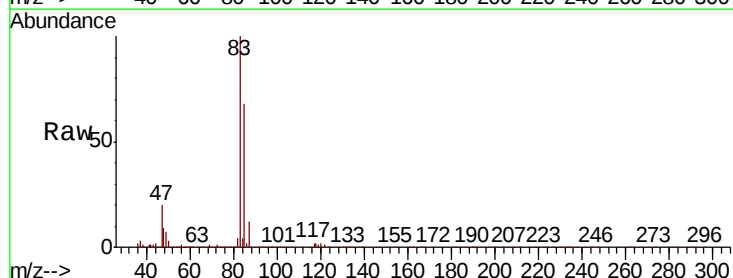
Instrument :
MSVOA_F
ClientSampleId :

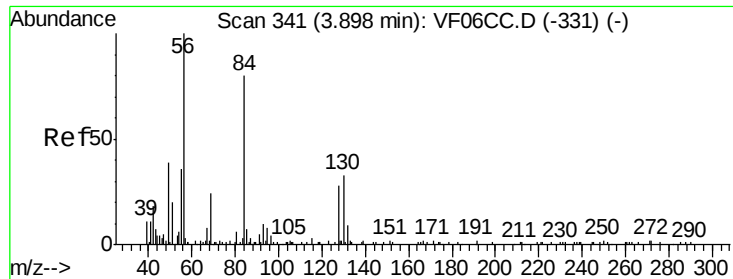
Tot Ion: 42 Resp: 297431
Ion Ratio Lower Upper
42 100
72 51.5 39.0 58.6
71 48.1 36.9 55.3



#30
Chloroform
Concen: 50.928 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion: 83 Resp: 853060
Ion Ratio Lower Upper
83 100
85 68.0 55.0 82.6

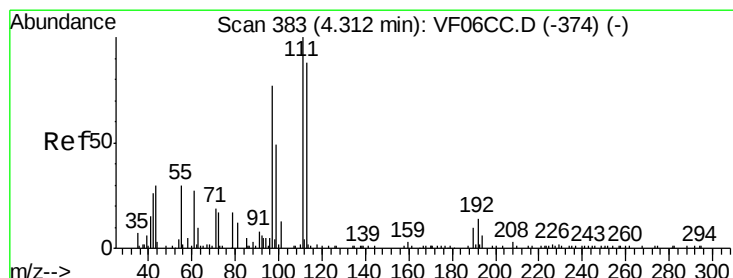
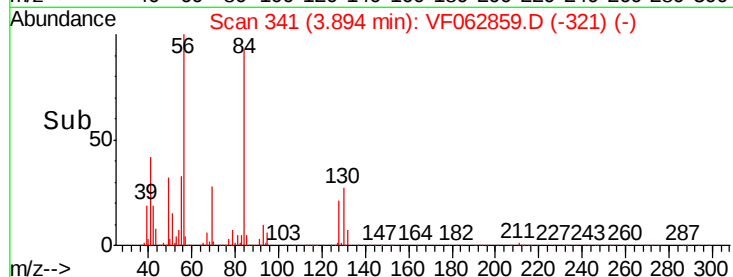
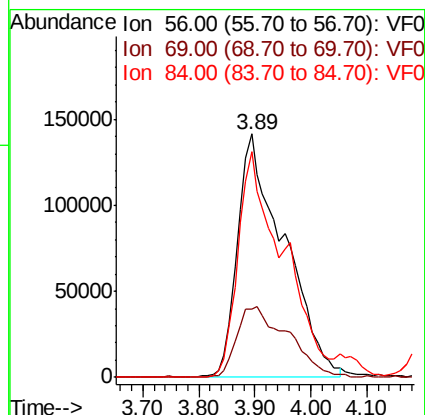
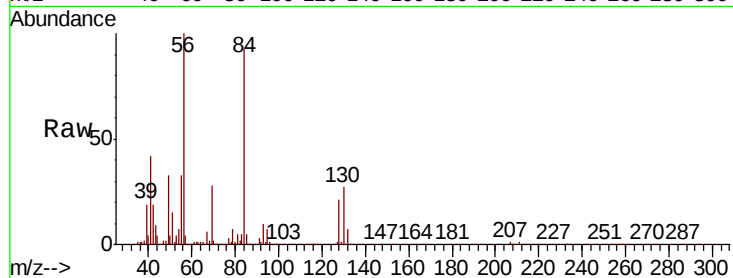




#31
Cyclohexane
Concen: 50.114 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

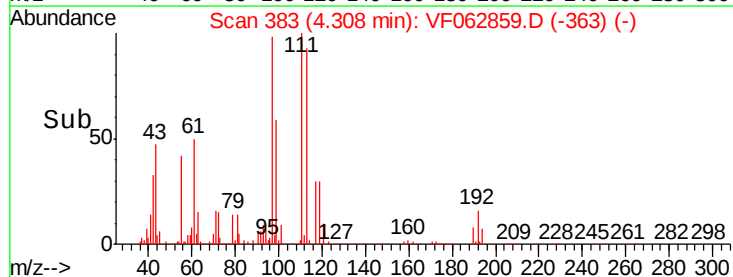
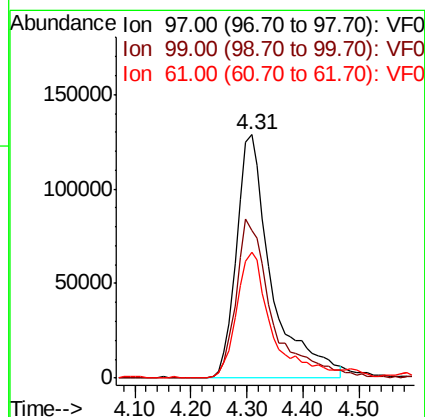
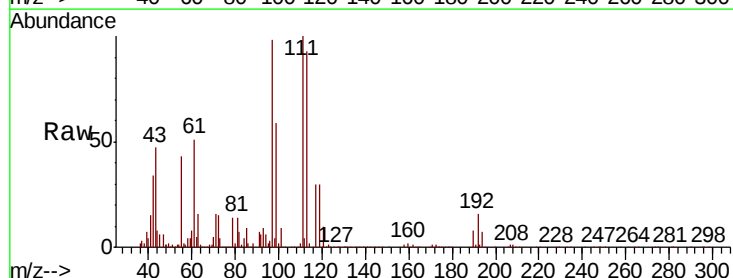
Instrument :
MSVOA_F
ClientSampleId :

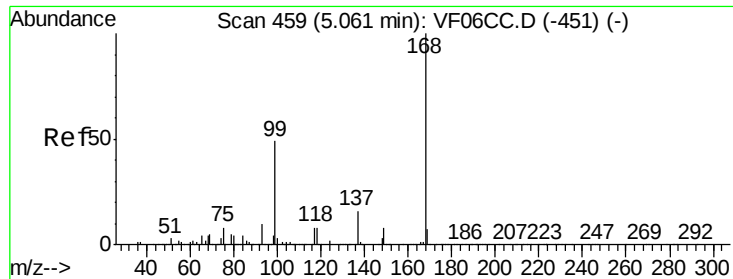
Tot Ion: 56 Resp: 806363
Ion Ratio Lower Upper
56 100
69 28.0 26.7 40.1
84 92.9 74.3 111.5



#32
1,1,1-Trichloroethane
Concen: 57.271 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion: 97 Resp: 558539
Ion Ratio Lower Upper
97 100
99 60.4 51.7 77.5
61 51.8 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 47.686 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

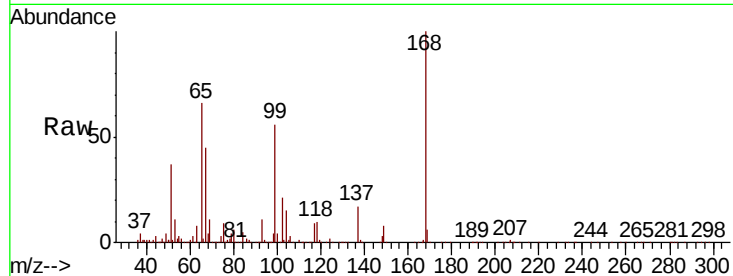
ClientSampleId :

Tot Ion: 65 Resp: 286572

Ion Ratio Lower Upper

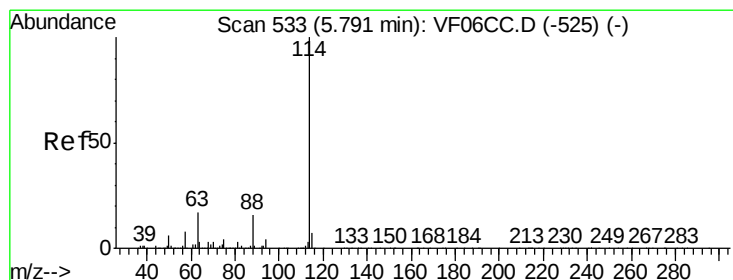
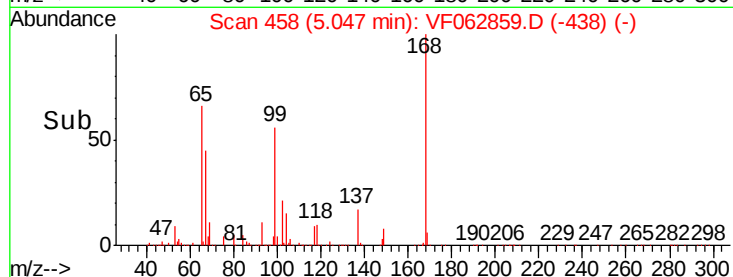
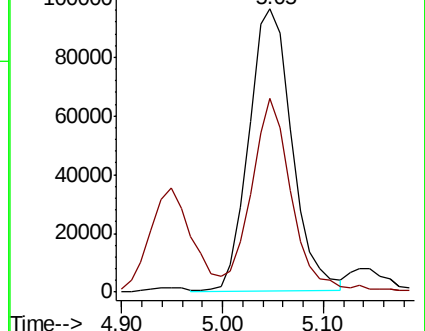
65 100

67 68.5 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

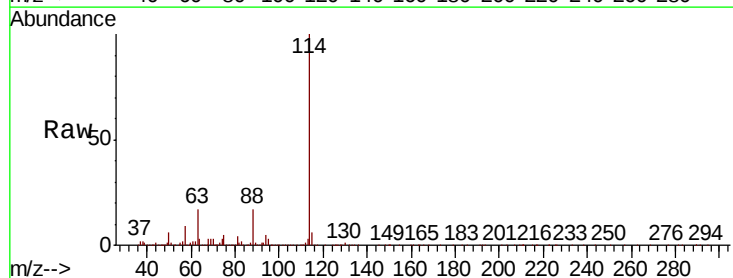
Tgt Ion: 114 Resp: 1462760

Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.2

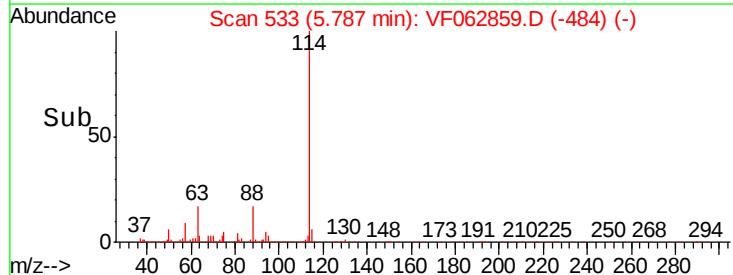
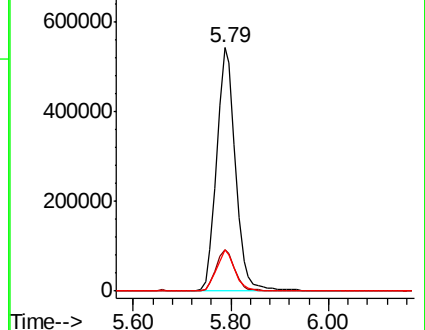
88 17.2 0.0 31.2

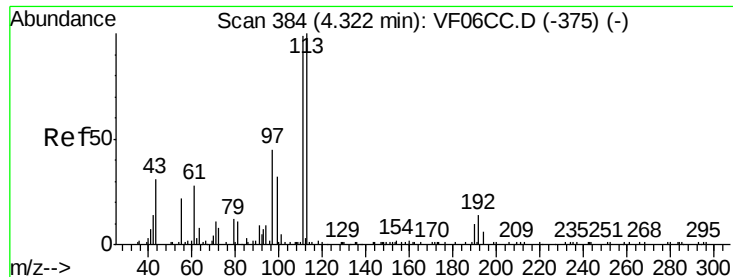


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

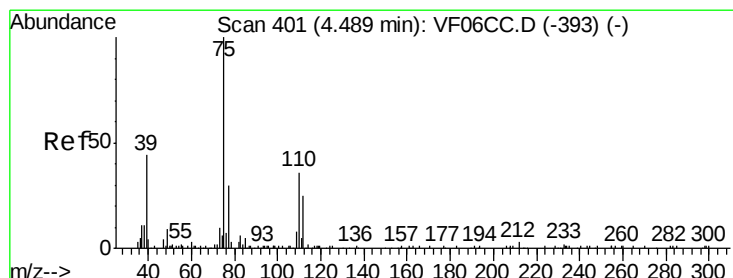
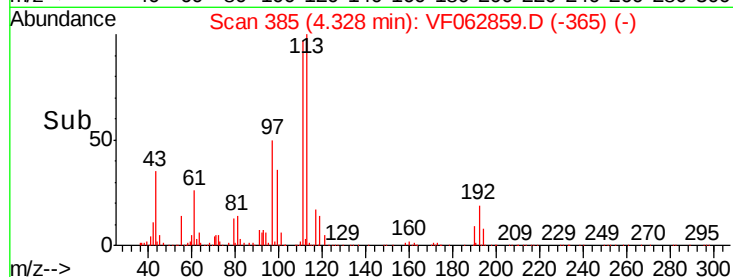
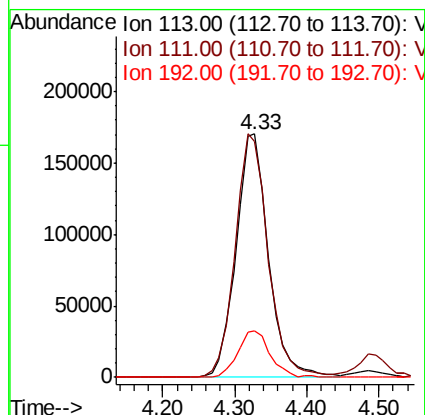
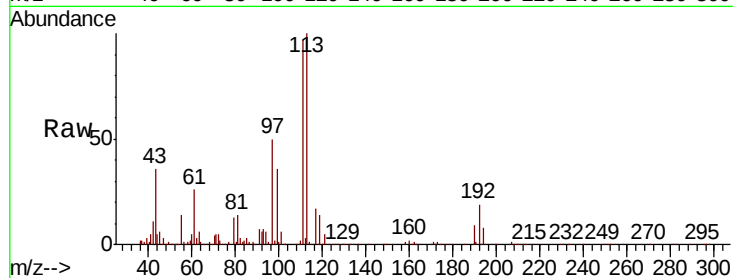




#35
 Dibromofluoromethane
 Concen: 48.487 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

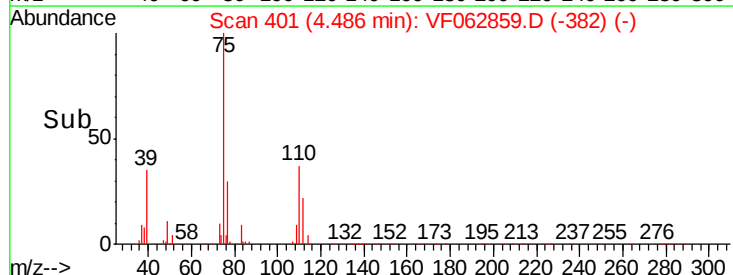
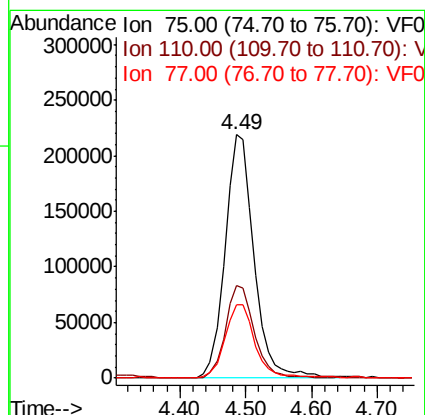
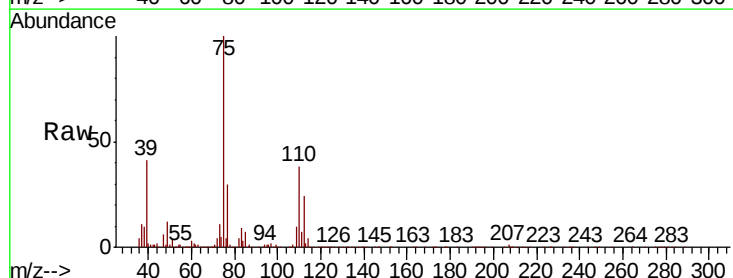
Instrument :
 MSVOA_F
 ClientSampled :

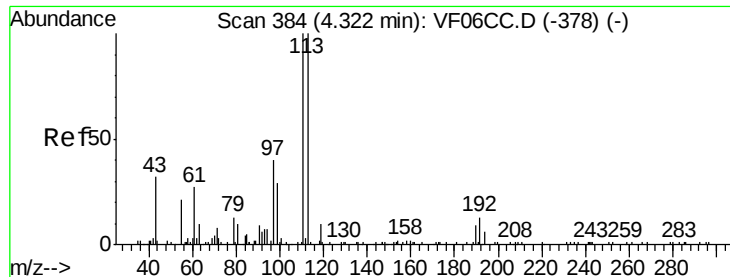
Tot Ion:113 Resp: 535942
 Ion Ratio Lower Upper
 113 100
 111 96.9 81.9 122.9
 192 19.3 15.1 22.7



#36
 1,1-Dichloropropene
 Concen: 49.999 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. -0.02 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Tgt Ion: 75 Resp: 673294
 Ion Ratio Lower Upper
 75 100
 110 38.0 19.4 58.1
 77 30.0 25.4 38.2

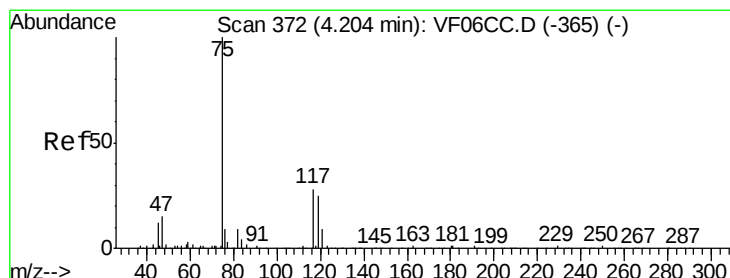
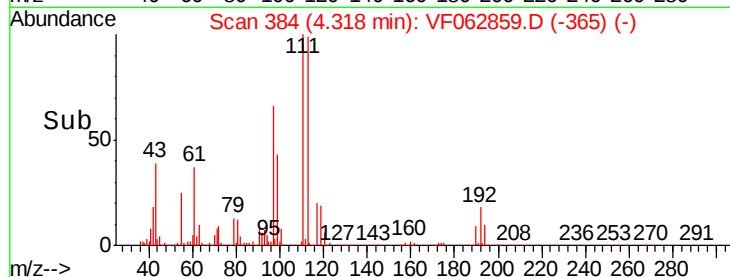
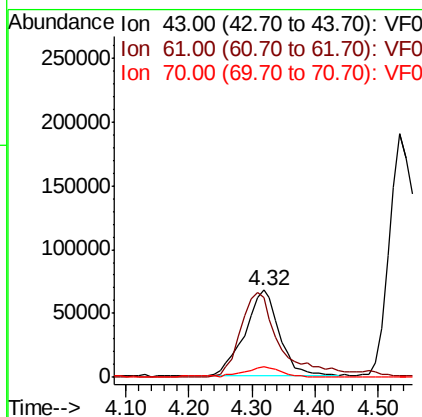
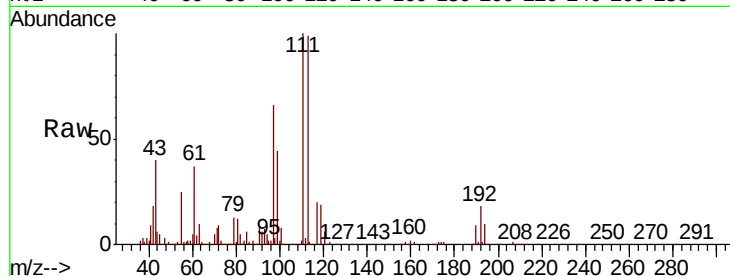




#37
Ethyl Acetate
Concen: 49.960 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

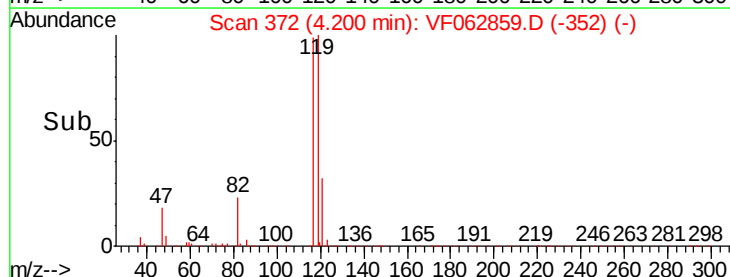
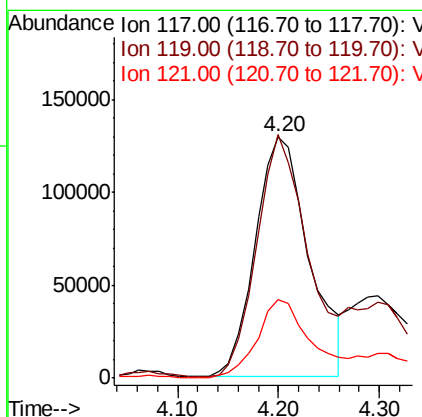
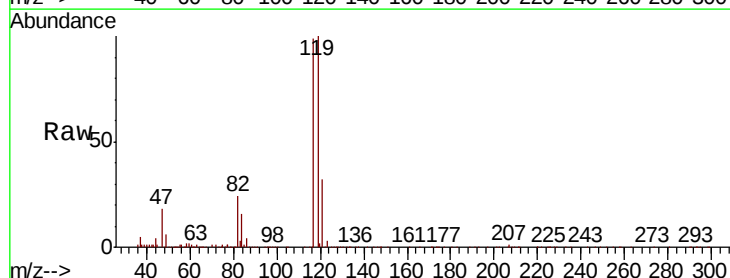
Instrument :
MSVOA_F
ClientSampleId :

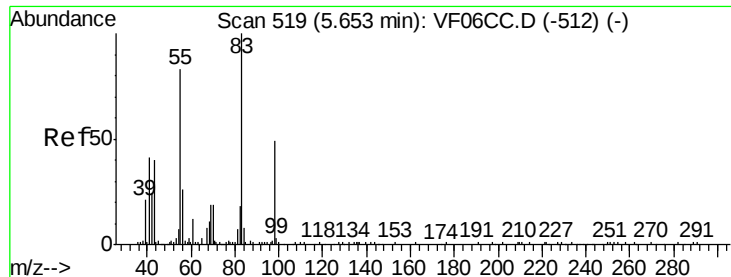
Tot Ion	43	Resp	257172
Ion Ratio	Lower	Upper	
43	100		
61	92.1	59.1	88.7#
70	11.7	10.1	15.1



#38
Carbon Tetrachloride
Concen: 52.757 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion	117	Resp	480135
Ion Ratio	Lower	Upper	
117	100		
119	100.9	78.2	117.2
121	32.6	28.2	42.2

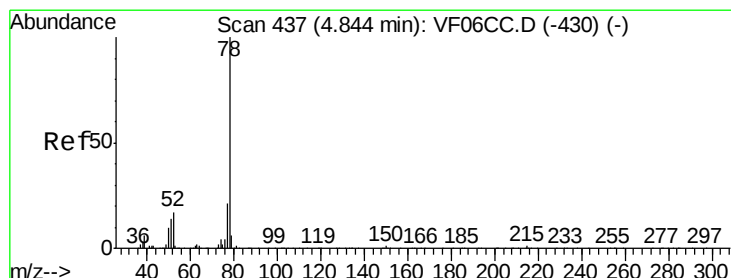
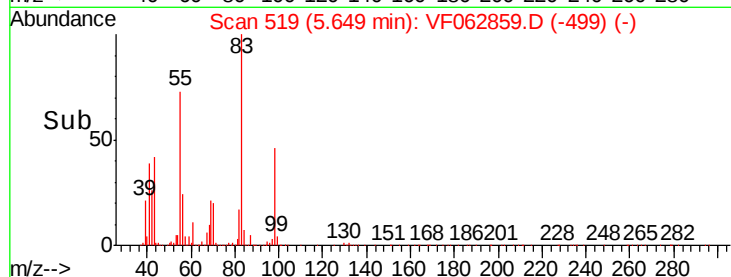
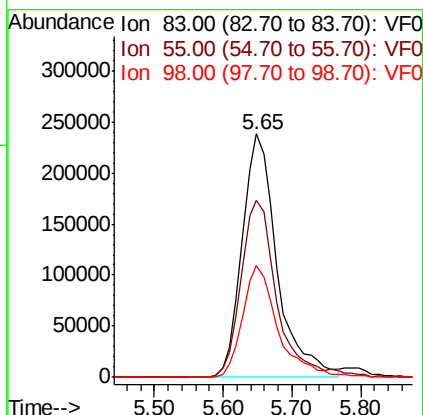
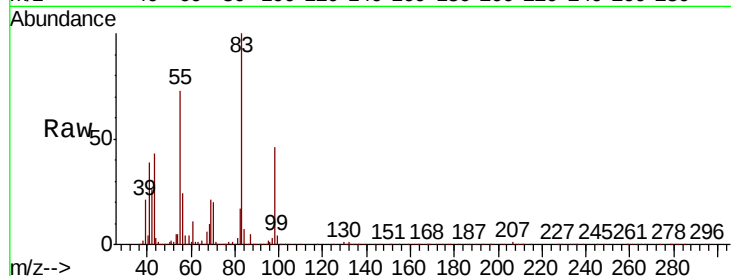




#39
Methylcyclohexane
Concen: 50.343 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

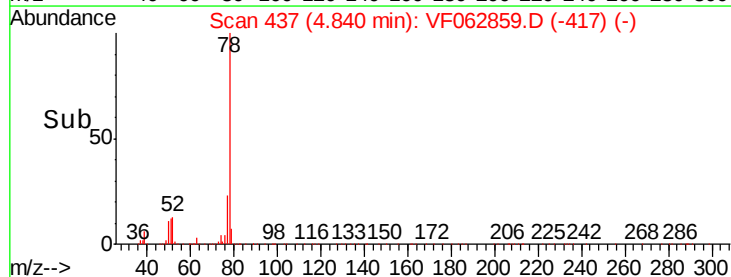
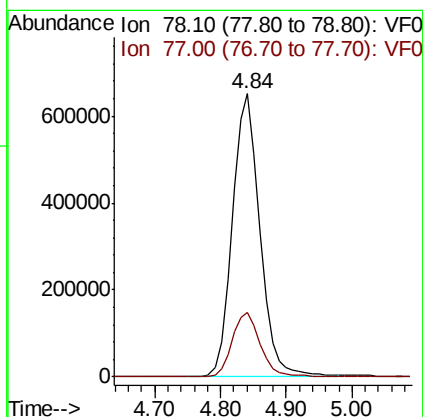
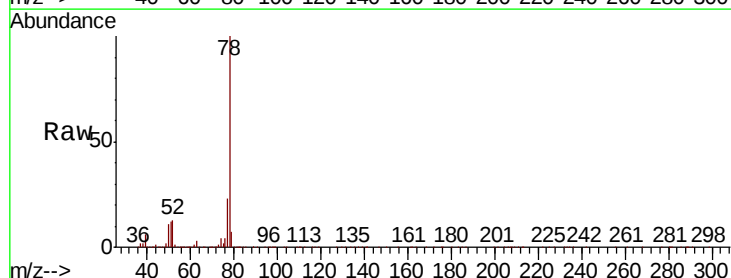
Instrument :
MSVOA_F
ClientSampled :

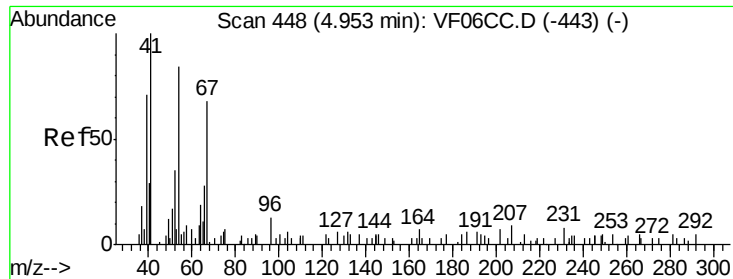
Tot Ion: 83 Resp: 843738
Ion Ratio Lower Upper
83 100
55 72.7 61.6 92.4
98 45.9 37.4 56.2



#40
Benzene
Concen: 48.888 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion: 78 Resp: 1915984
Ion Ratio Lower Upper
78 100
77 22.7 18.9 28.3

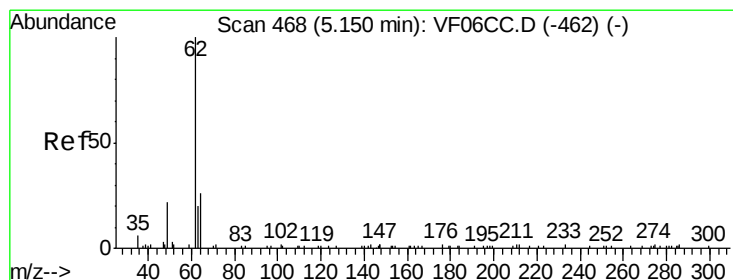
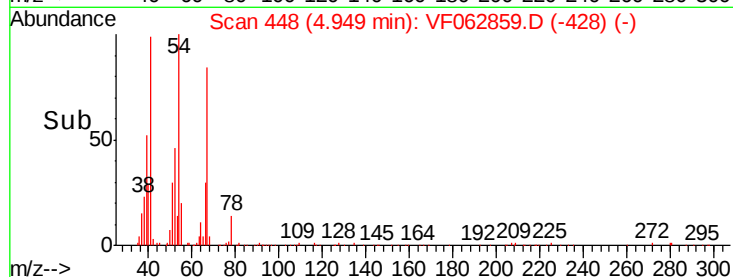
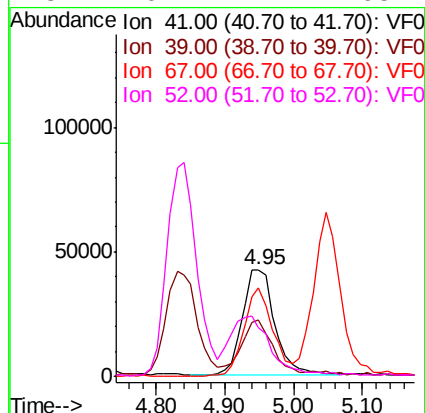
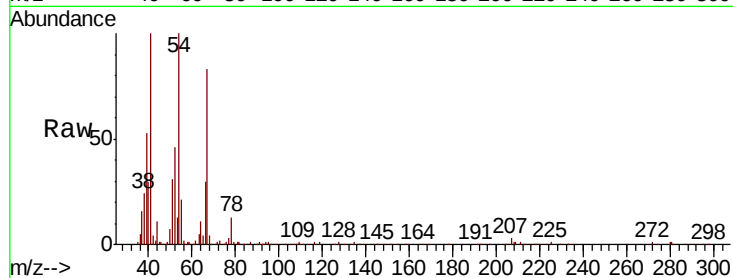




#41
Methacrylonitrile
Concen: 48.418 ug/l
RT: 4.95 min Scan# 448
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

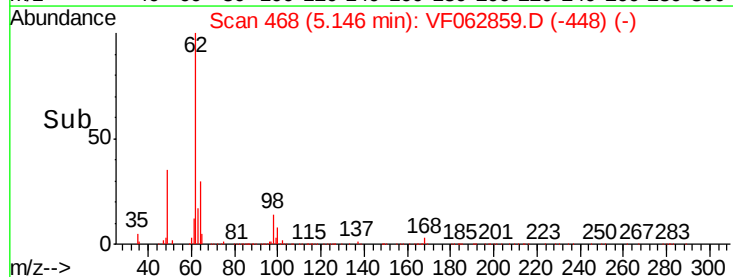
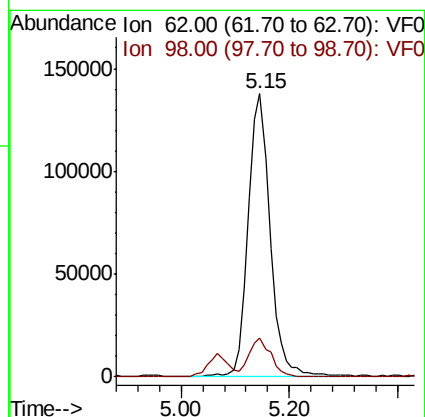
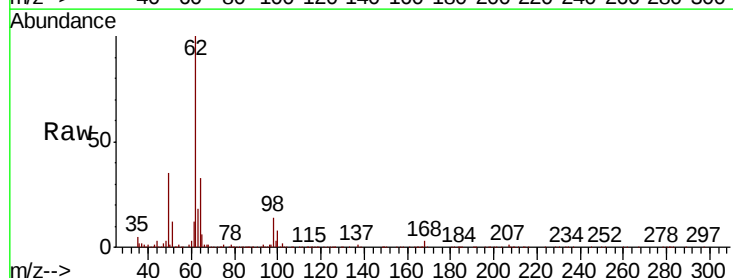
Instrument :
MSVOA_F
ClientSampleId :

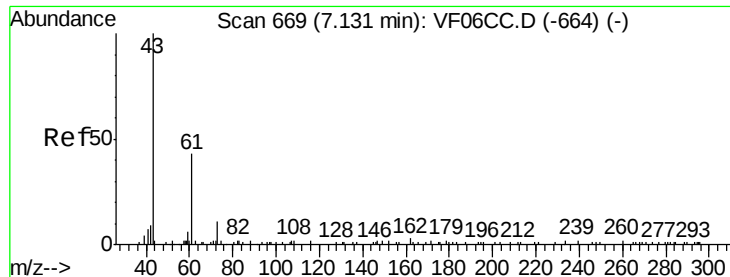
Tot Ion:	41	Resp:	138555
Ion	Ratio	Lower	Upper
41	100		
39	53.4	42.0	63.0
67	82.9	61.4	92.0
52	46.2	42.1	63.1



#42
1,2-Dichloroethane
Concen: 52.187 ug/l
RT: 5.15 min Scan# 468
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion:	62	Resp:	388994
Ion	Ratio	Lower	Upper
62	100		
98	13.7	0.0	24.0





#43

Isopropyl Acetate

Concen: 49.511 ug/l

RT: 7.13 min Scan# 669

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

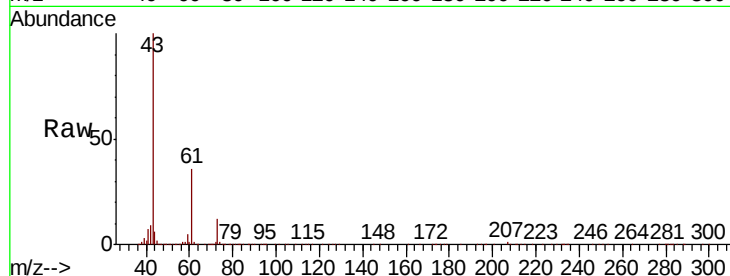
Tot Ion: 43 Resp: 336679

Ion Ratio Lower Upper

43 100

61 35.7 29.8 44.6

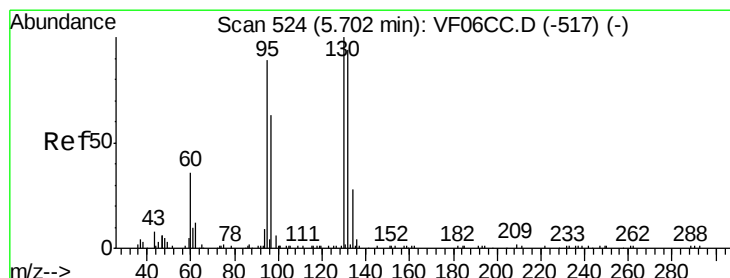
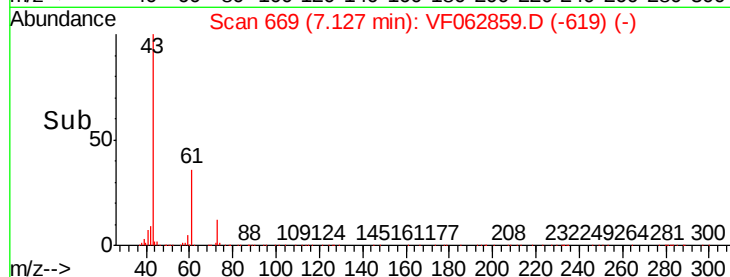
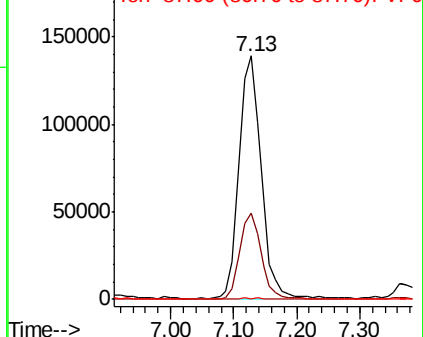
87 0.3 0.3 0.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 49.927 ug/l

RT: 5.70 min Scan# 524

Delta R.T. -0.01 min

Lab File: VF062859.D

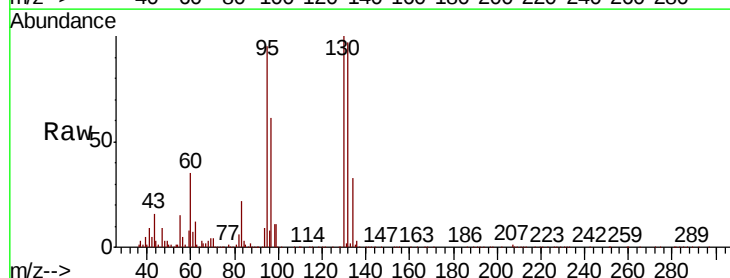
Acq: 5 Jun 2019 10:59

Tgt Ion: 130 Resp: 552227

Ion Ratio Lower Upper

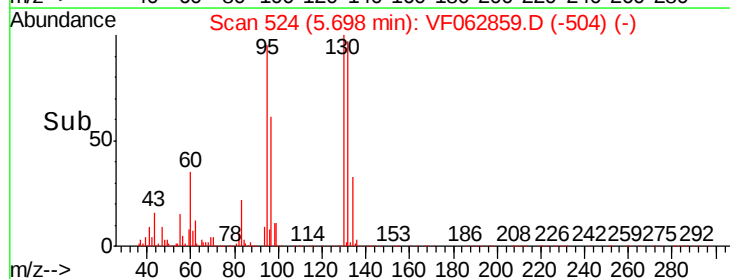
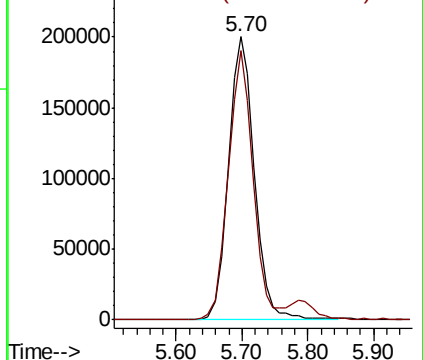
130 100

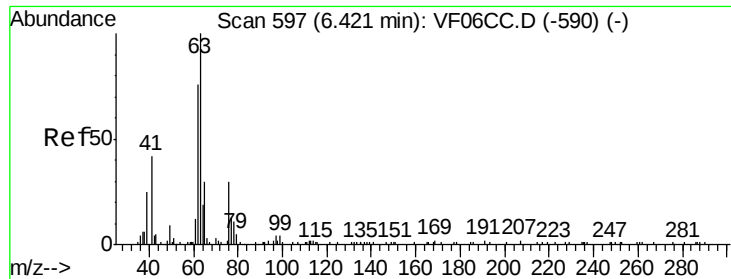
95 95.1 0.0 188.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 48.693 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

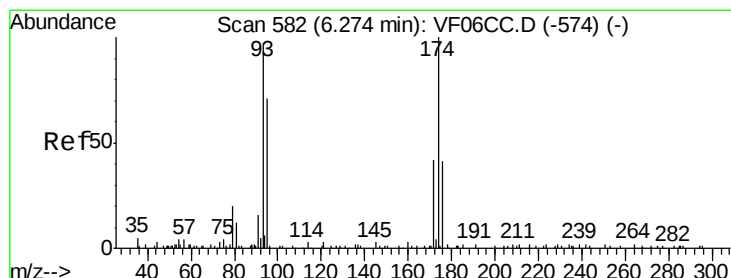
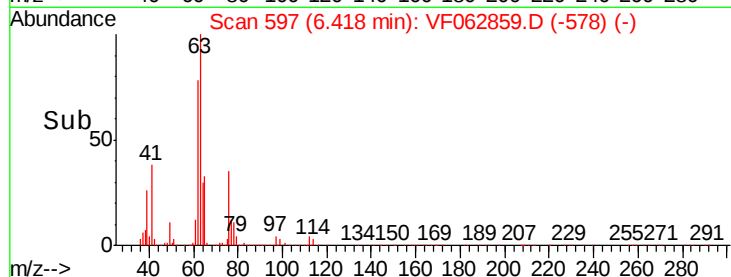
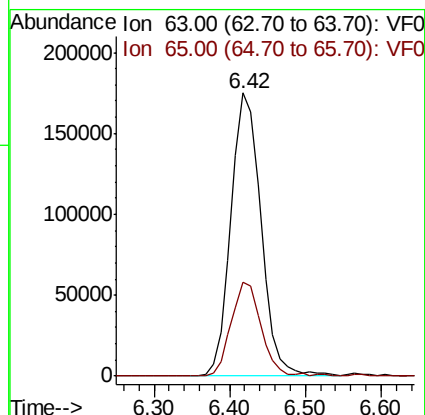
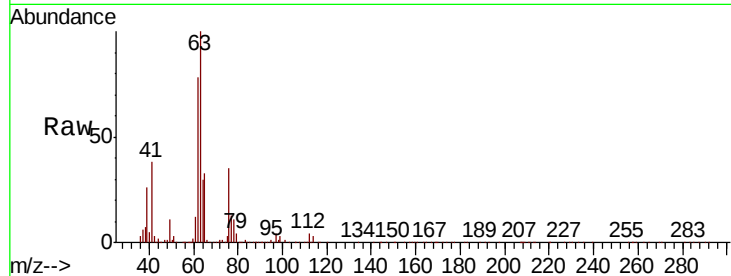
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 478891

Ion Ratio Lower Upper

63 100

65 33.3 24.2 36.2



#46

Dibromomethane

Concen: 51.187 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

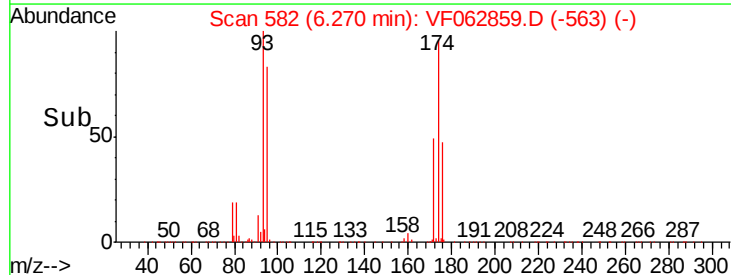
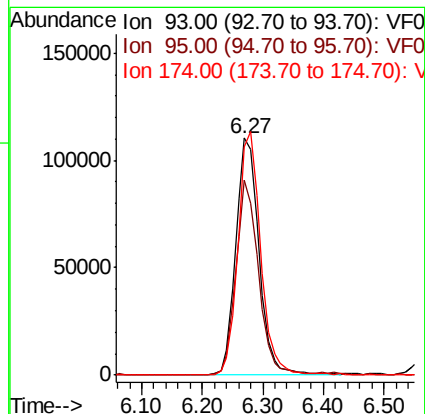
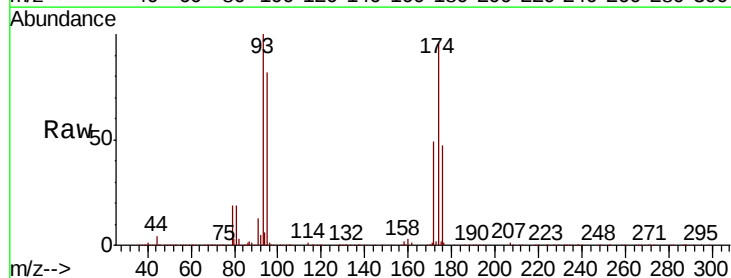
Tgt Ion: 93 Resp: 293915

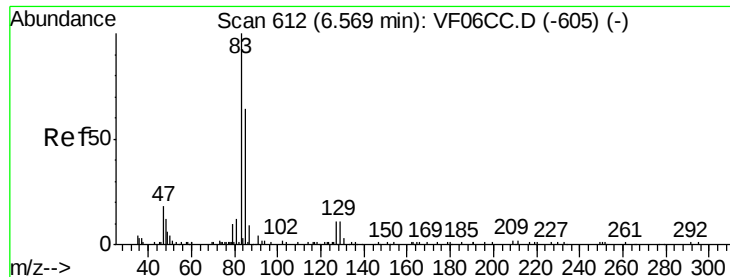
Ion Ratio Lower Upper

93 100

95 82.5 67.9 101.9

174 96.4 85.0 127.4





#47

Bromodichloromethane

Concen: 50.182 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :

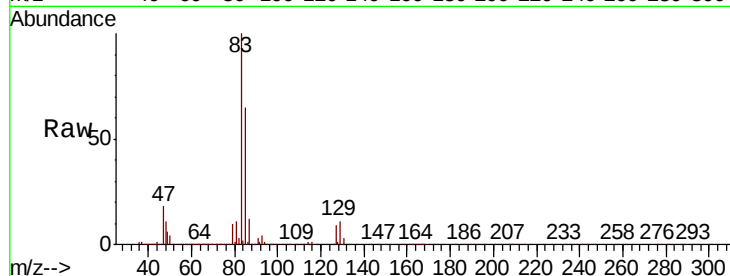
Tot Ion: 83 Resp: 586826

Ion Ratio Lower Upper

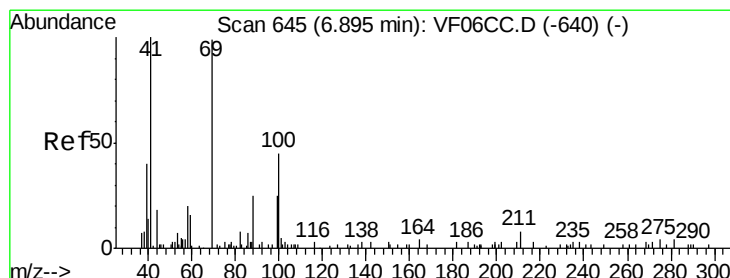
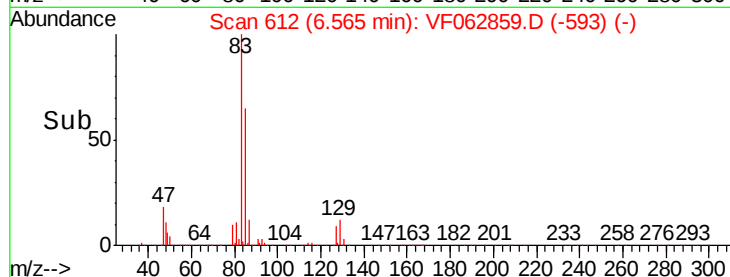
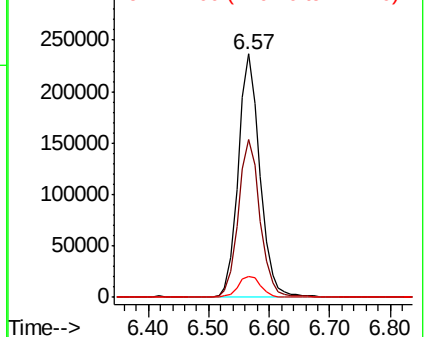
83 100

85 65.0 54.2 81.4

127 8.8 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 48.029 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

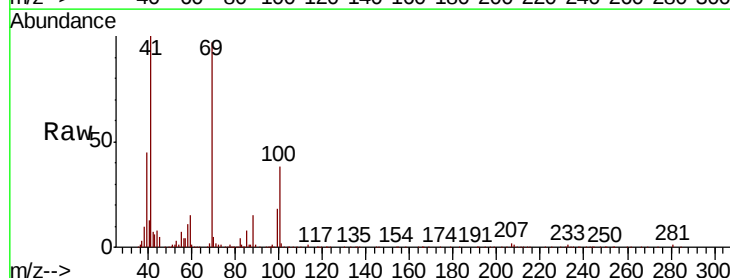
Tgt Ion: 41 Resp: 168317

Ion Ratio Lower Upper

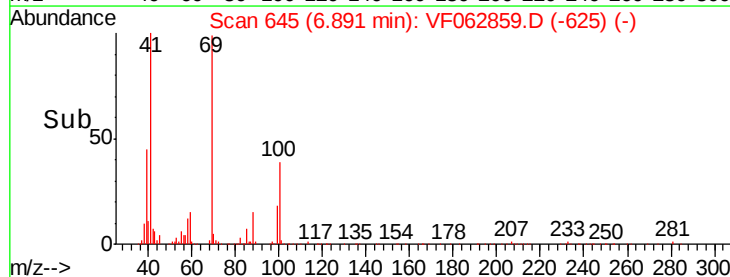
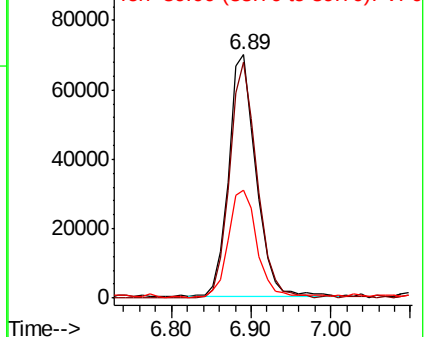
41 100

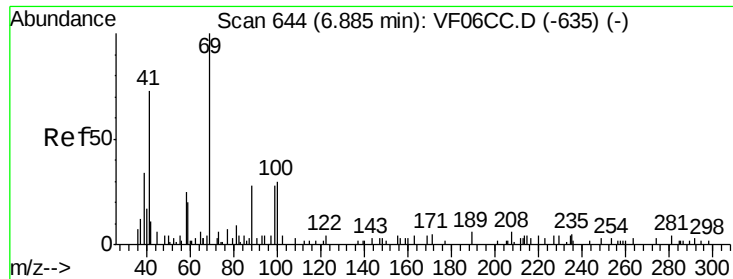
69 97.0 79.4 119.2

39 44.6 39.8 59.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 921.111 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :

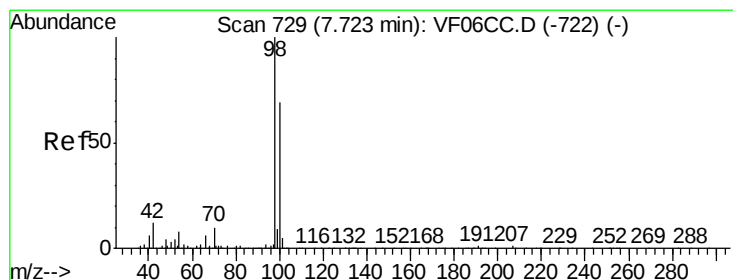
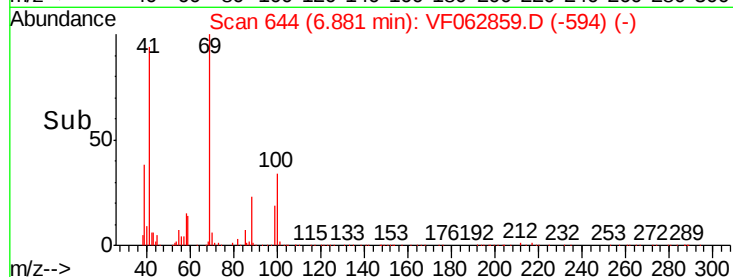
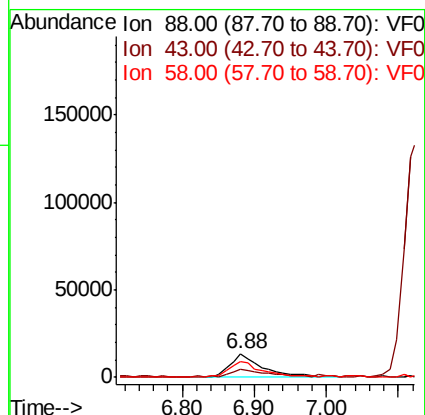
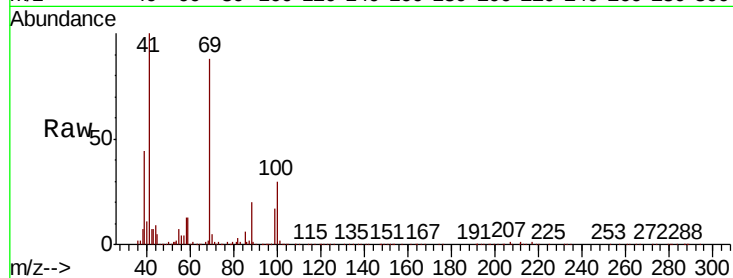
Tot Ion: 88 Resp: 42549

Ion Ratio Lower Upper

88 100

43 32.0 34.8 52.2#

58 66.2 59.9 89.9



#50

Toluene-d8

Concen: 48.447 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.02 min

Lab File: VF062859.D

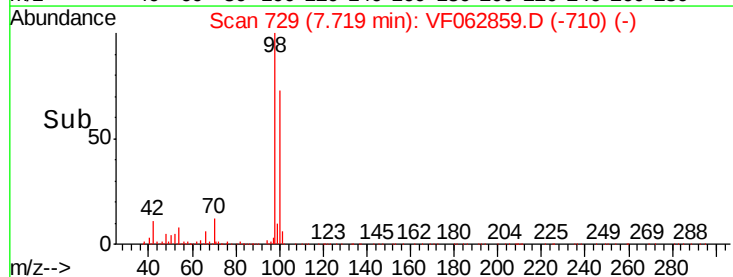
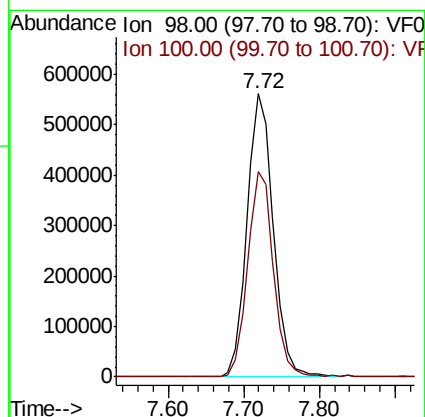
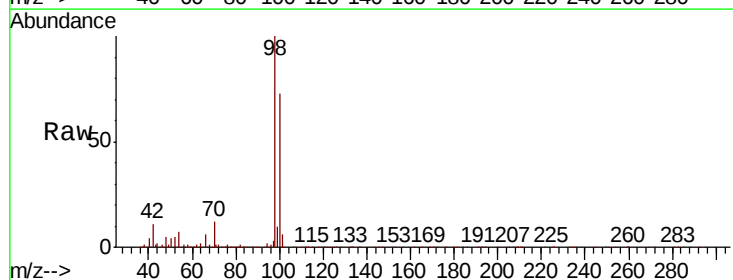
Acq: 5 Jun 2019 10:59

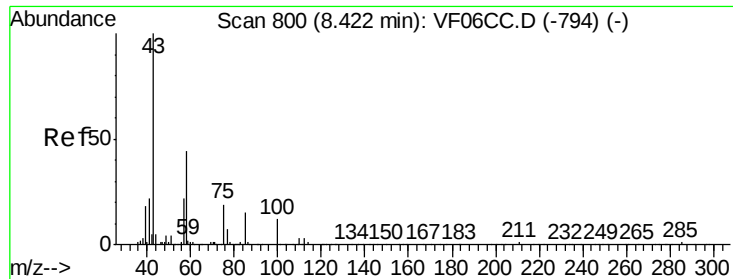
Tgt Ion: 98 Resp: 1354153

Ion Ratio Lower Upper

98 100

100 72.8 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 264.421 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

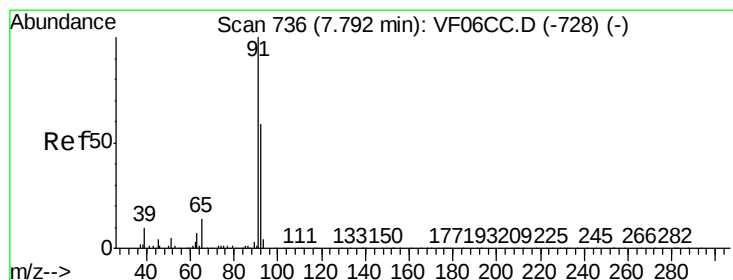
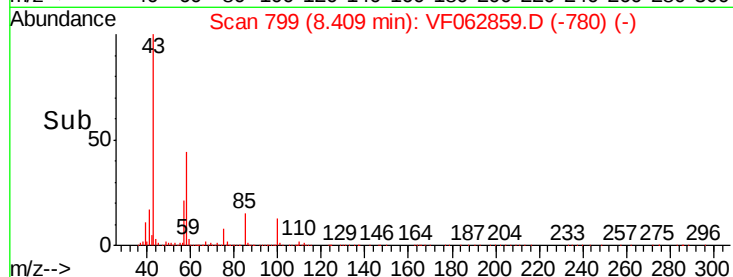
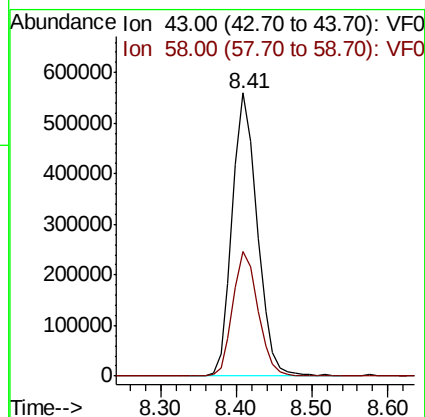
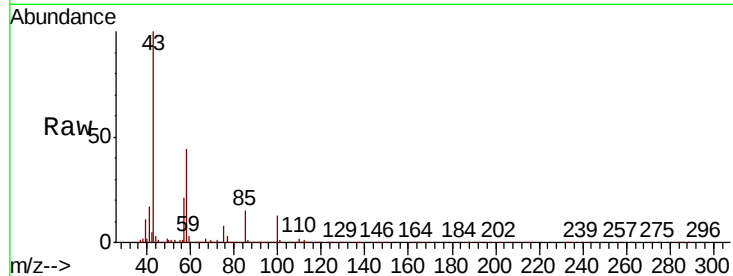
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1283711

Ion Ratio Lower Upper

43 100

58 44.1 35.5 53.3



#52

Toluene

Concen: 51.391 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.02 min

Lab File: VF062859.D

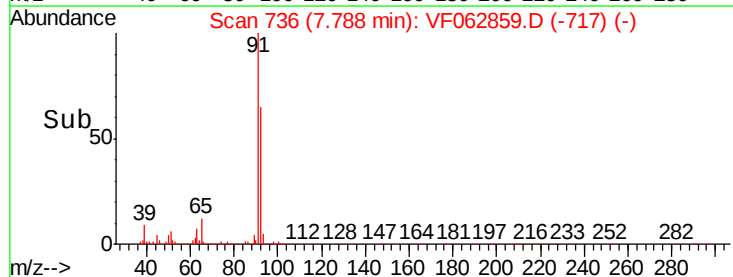
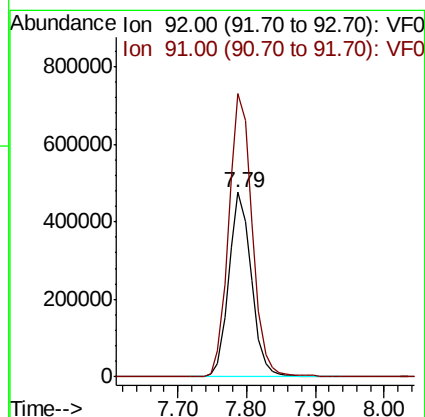
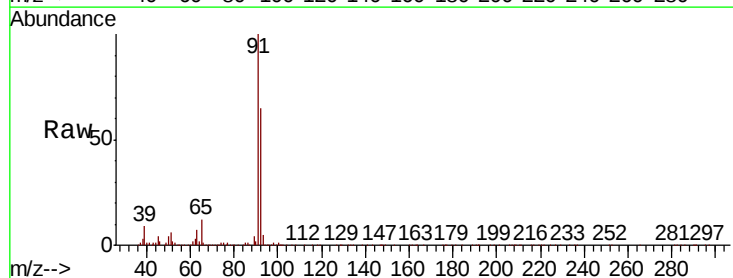
Acq: 5 Jun 2019 10:59

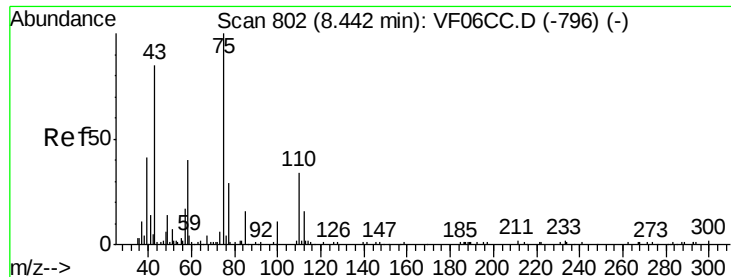
Tgt Ion: 92 Resp: 1084800

Ion Ratio Lower Upper

92 100

91 153.2 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 50.295 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

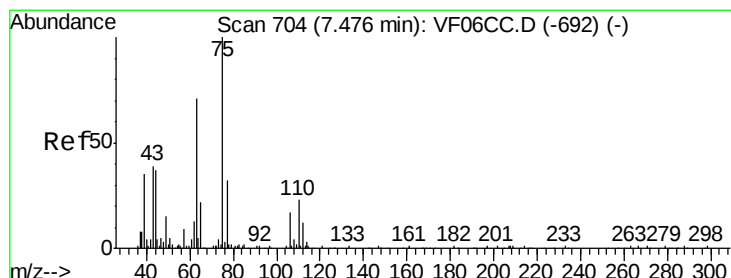
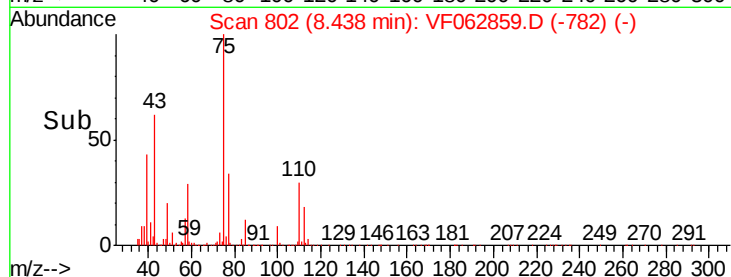
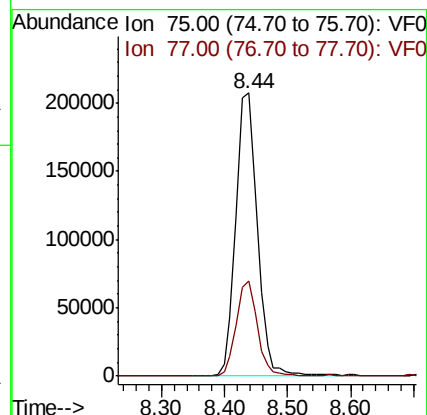
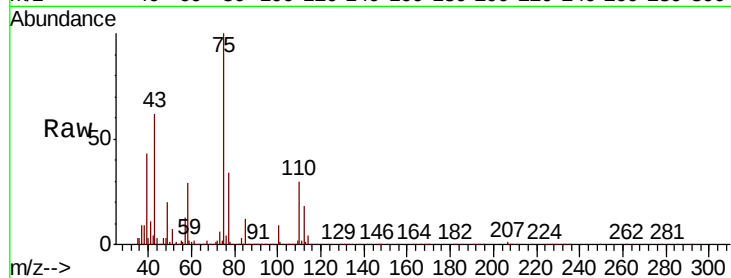
ClientSampleId :

Tot Ion: 75 Resp: 487368

Ion Ratio Lower Upper

75 100

77 33.6 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 49.279 ug/l

RT: 7.47 min Scan# 704

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

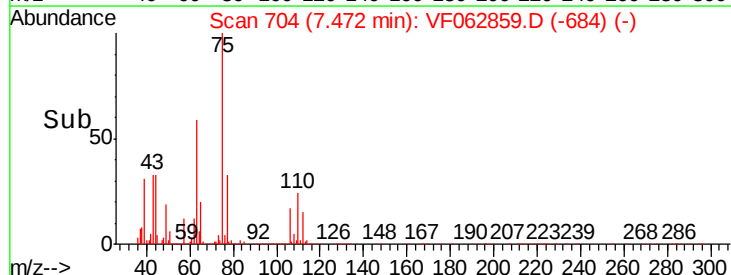
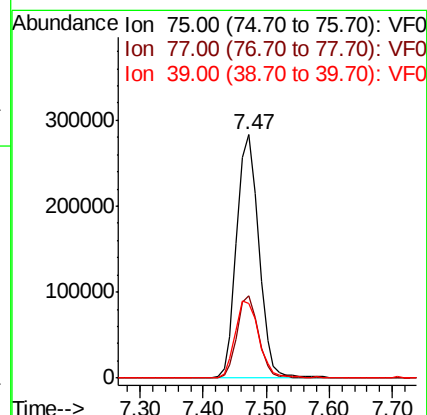
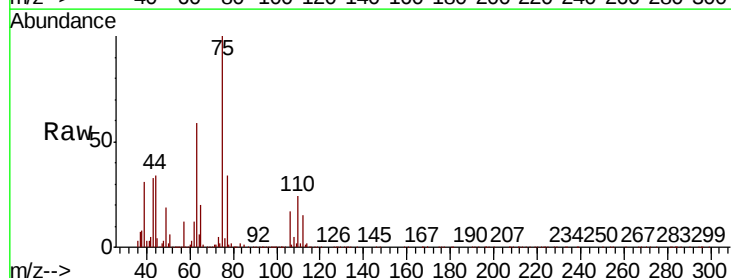
Tgt Ion: 75 Resp: 691219

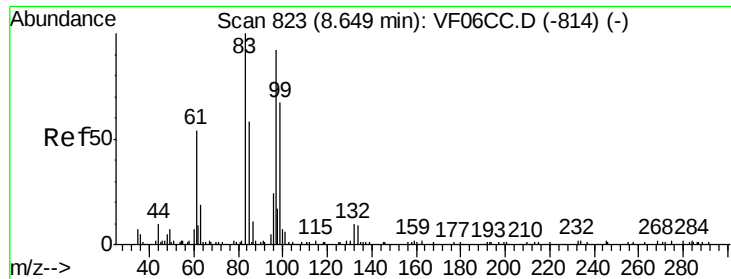
Ion Ratio Lower Upper

75 100

77 33.6 25.8 38.8

39 30.7 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 48.043 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 302967

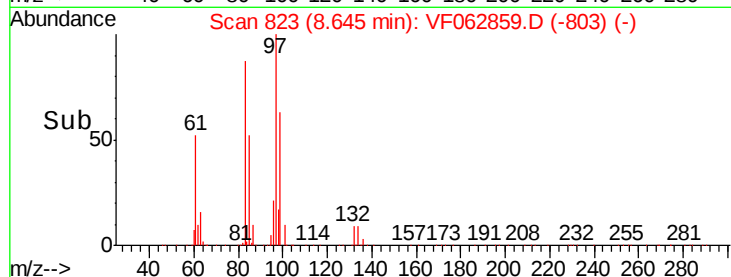
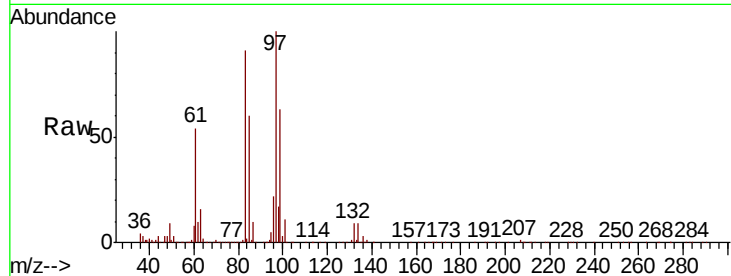
Ion Ratio Lower Upper

97 100

83 90.9 72.0 108.0

85 59.5 47.5 71.3

99 62.8 54.1 81.1

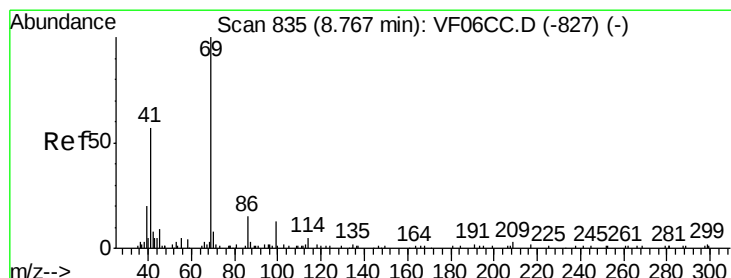
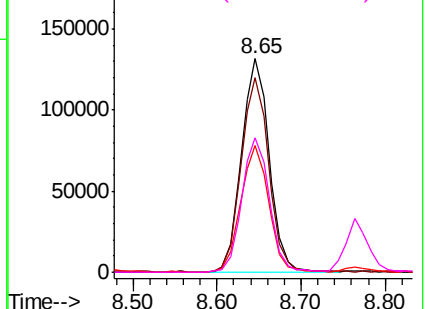


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 52.522 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

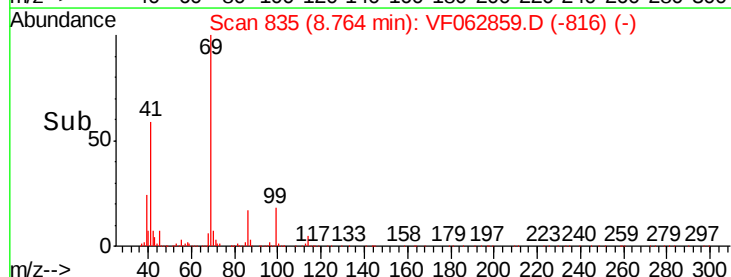
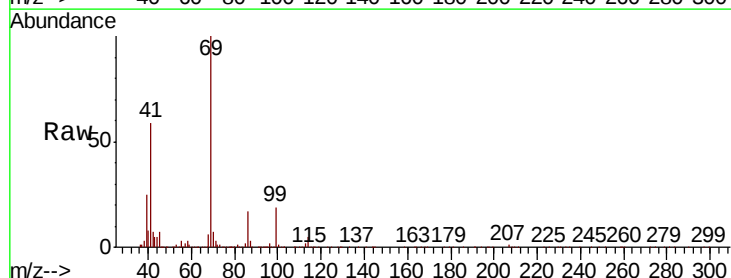
Tgt Ion: 69 Resp: 355385

Ion Ratio Lower Upper

69 100

41 59.3 46.6 69.8

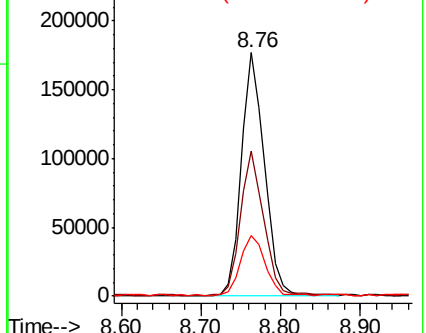
39 24.8 19.6 29.4

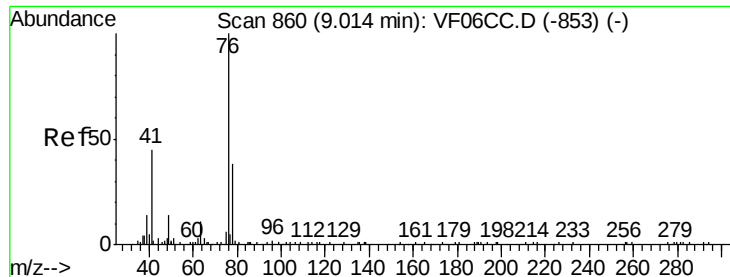


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 51.936 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

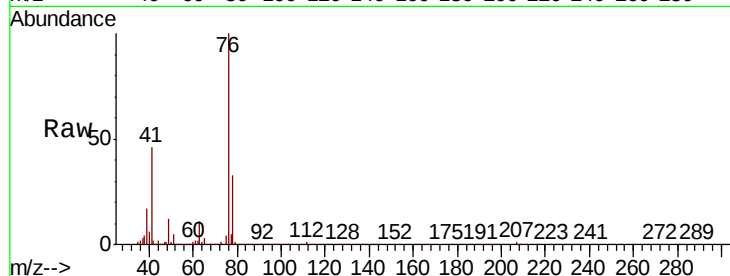
ClientSampleId :

Tot Ion: 76 Resp: 534847

Ion Ratio Lower Upper

76 100

78 32.8 26.8 40.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

250000

200000

150000

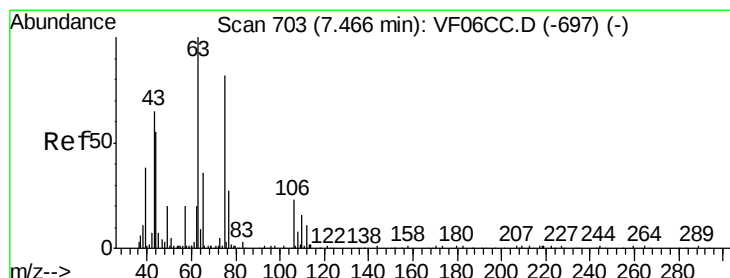
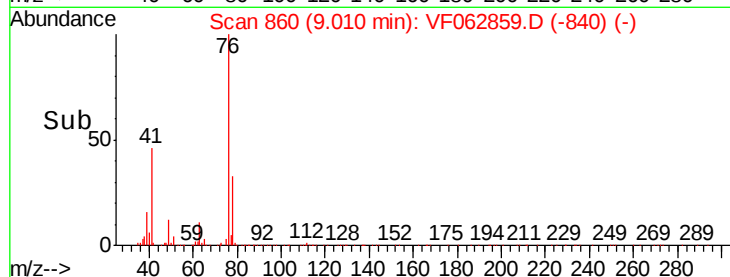
100000

50000

0

8.90 9.01 9.10

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 234.033 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF062859.D

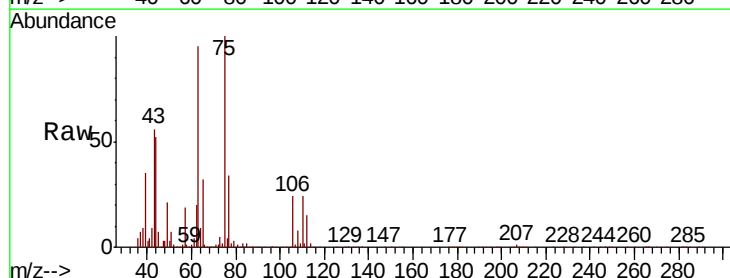
Acq: 5 Jun 2019 10:59

Tgt Ion: 63 Resp: 553437

Ion Ratio Lower Upper

63 100

106 24.9 19.5 29.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

250000

200000

150000

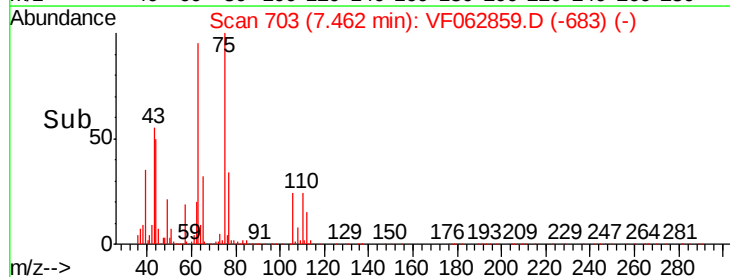
100000

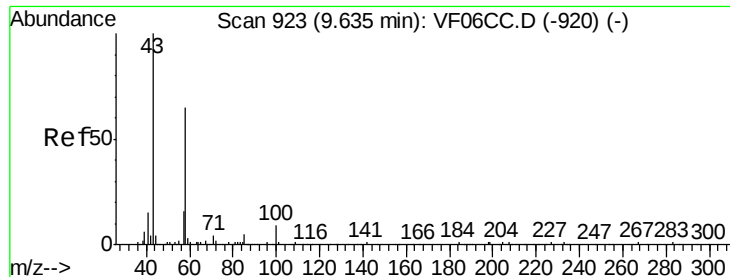
50000

0

7.40 7.46 7.50 7.60

Time-->

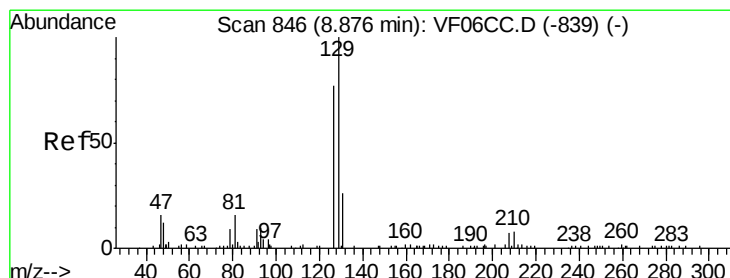
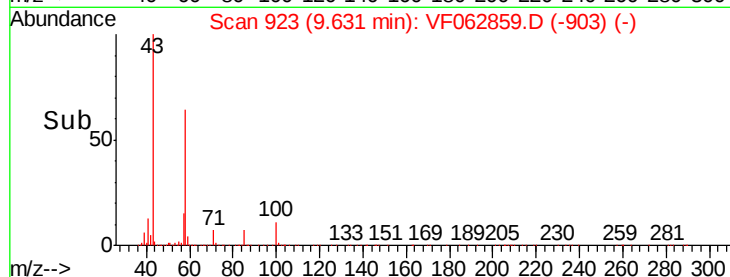
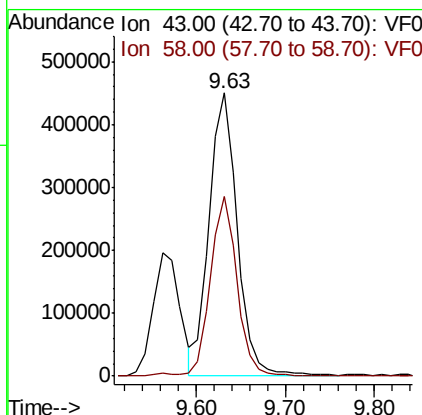
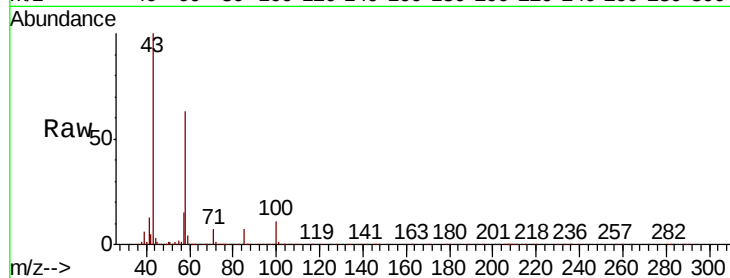




#59
2-Hexanone
Concen: 283.293 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

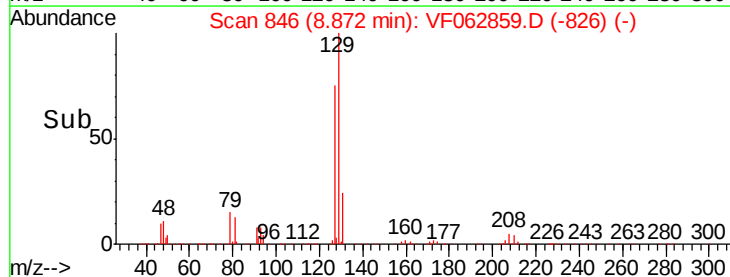
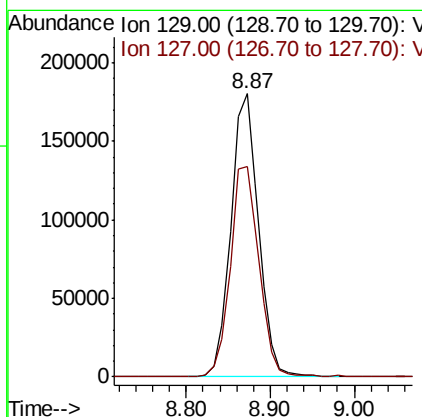
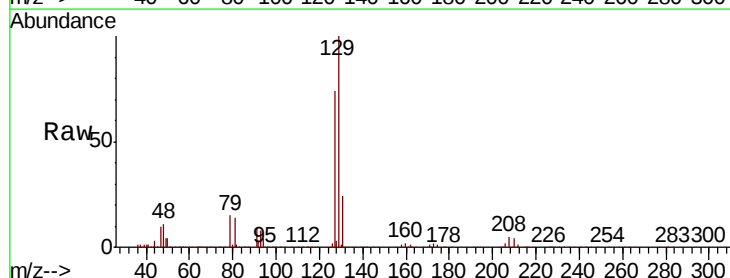
Instrument :
MSVOA_F
ClientSampleId :

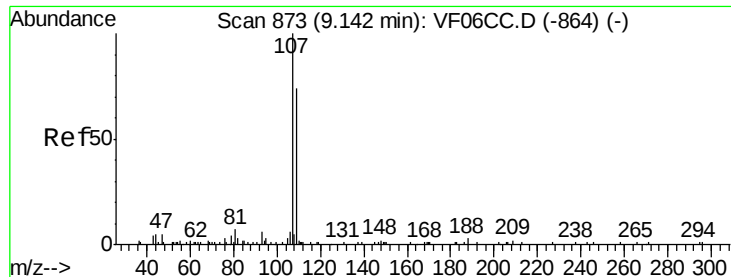
Tot Ion: 43 Resp: 980294
Ion Ratio Lower Upper
43 100
58 63.5 29.3 87.9



#60
Dibromochloromethane
Concen: 52.479 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion:129 Resp: 409726
Ion Ratio Lower Upper
129 100
127 74.5 37.1 111.3





#61

1,2-Dibromoethane

Concen: 51.023 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

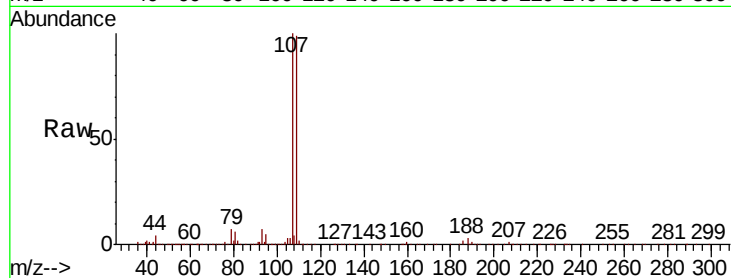
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:107 Resp: 334167

Ion Ratio Lower Upper

107 100

109 99.0 78.1 117.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150000

100000

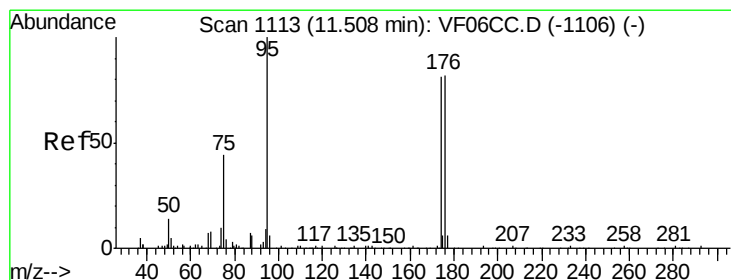
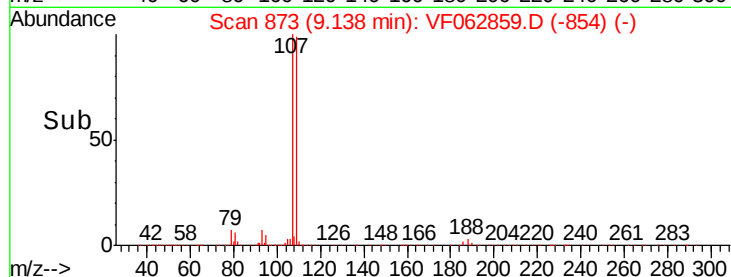
50000

0

9.14

9.10 9.15 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 48.865 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

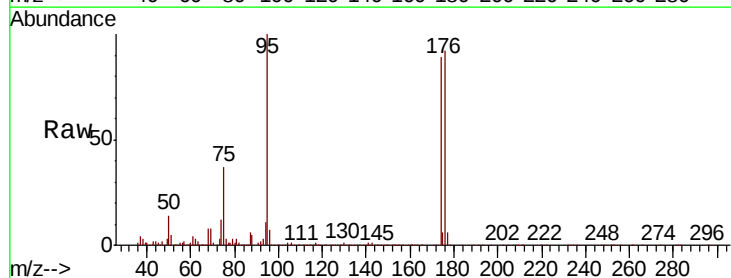
Tgt Ion: 95 Resp: 491310

Ion Ratio Lower Upper

95 100

174 88.9 0.0 170.6

176 91.8 0.0 170.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

300000

200000

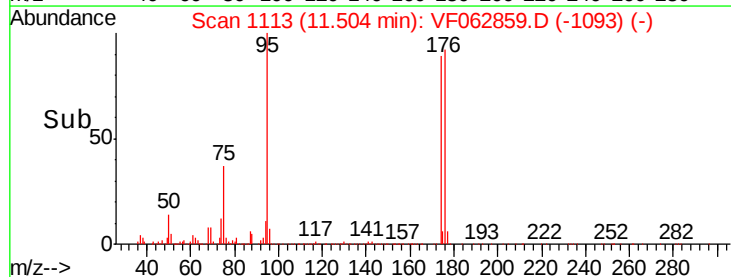
100000

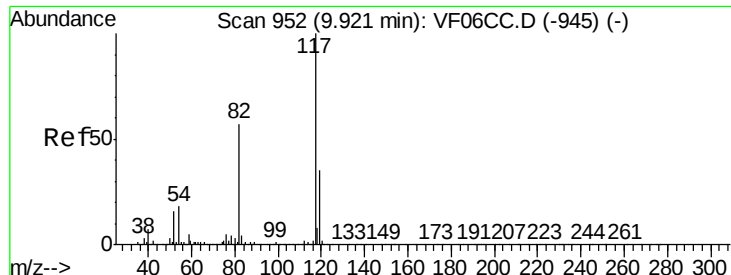
0

11.50

11.40 11.50 11.60

Time-->

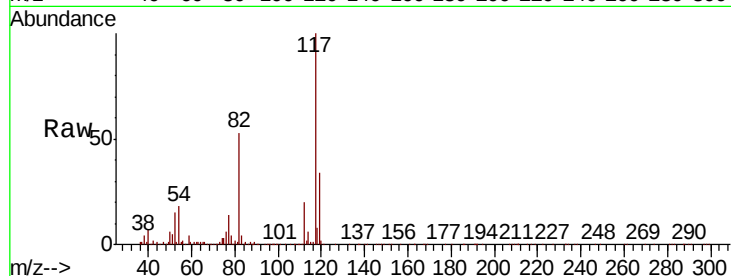




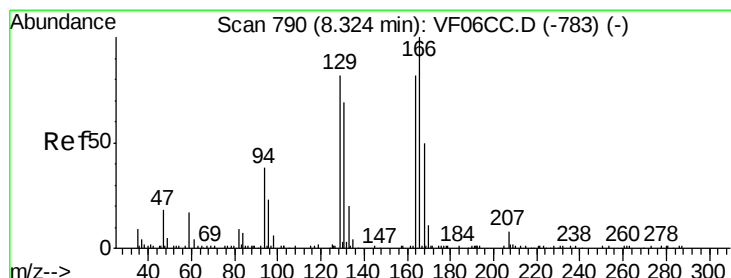
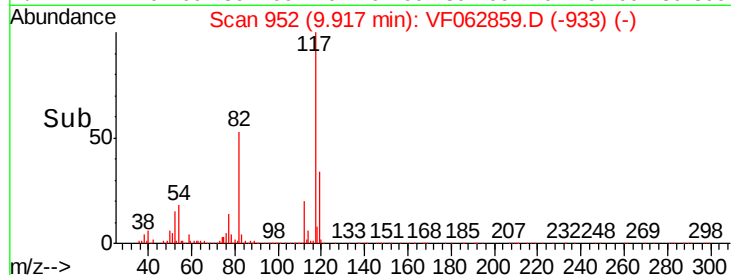
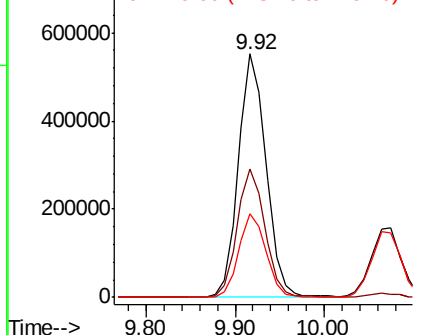
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 1195501
Ion Ratio Lower Upper
117 100
82 52.7 42.4 63.6
119 34.1 27.1 40.7

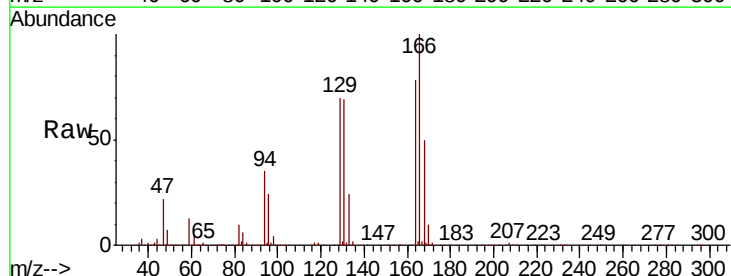


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

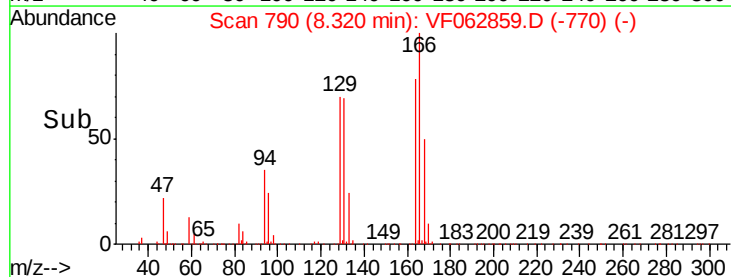
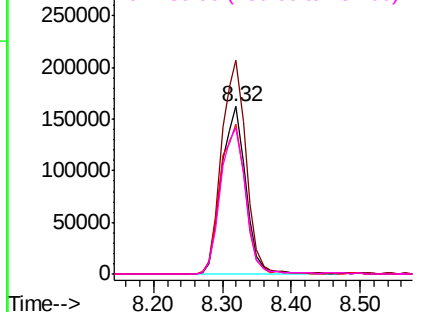


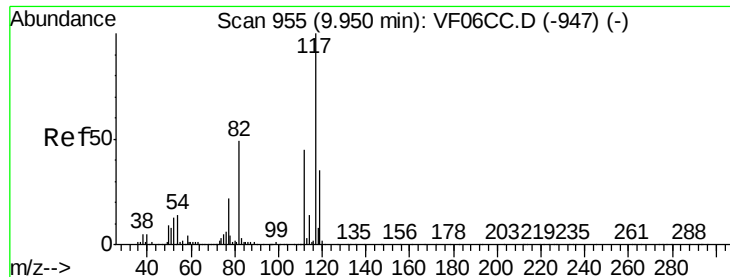
#64
Tetrachloroethene
Concen: 43.155 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion:164 Resp: 396454
Ion Ratio Lower Upper
164 100
166 127.6 99.1 148.7
129 89.3 69.5 104.3
131 87.5 69.2 103.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 50.326 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

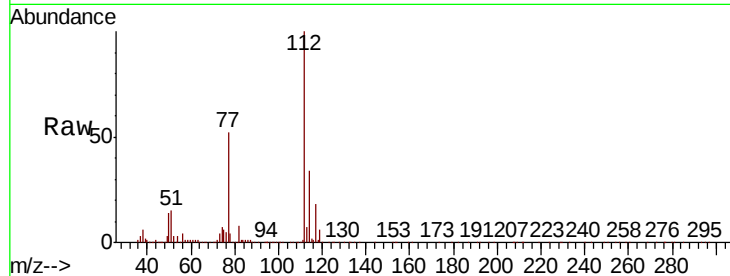
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:112 Resp: 1161874

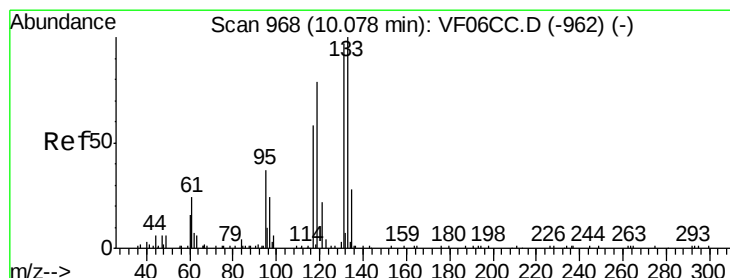
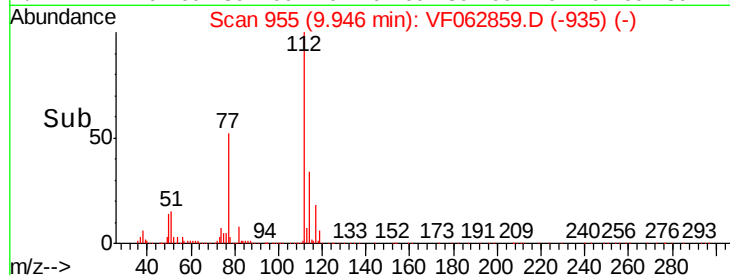
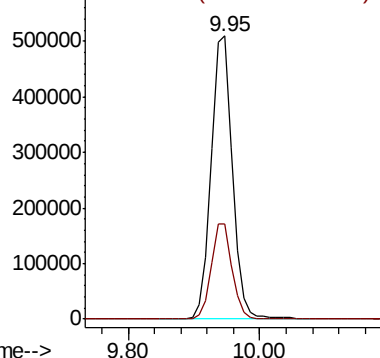
Ion Ratio Lower Upper

112 100

114 33.7 27.4 41.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.771 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

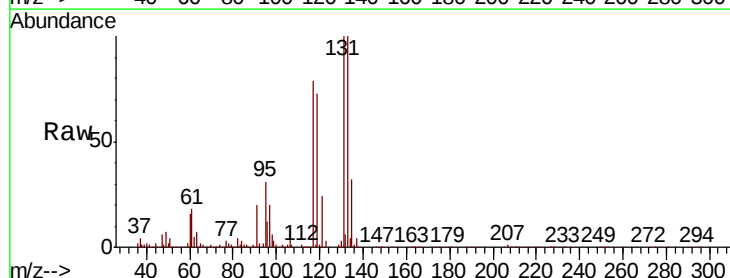
Tgt Ion:131 Resp: 466815

Ion Ratio Lower Upper

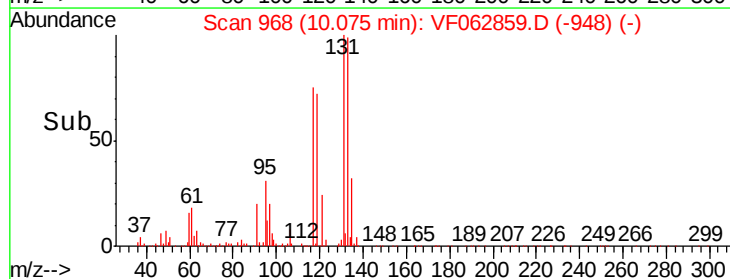
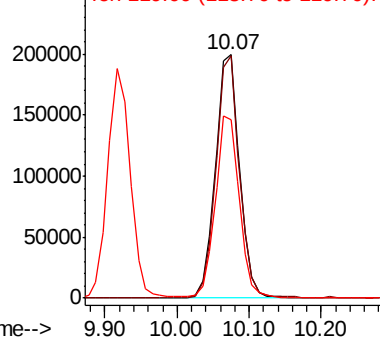
131 100

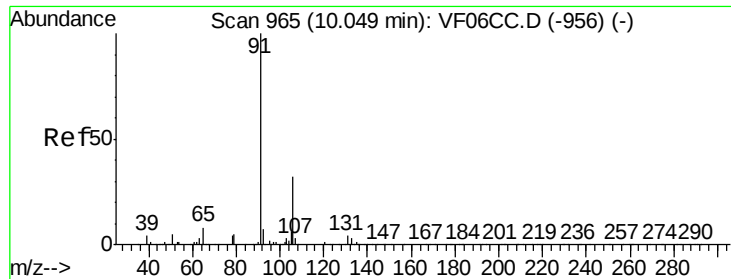
133 99.6 48.9 146.7

119 73.1 38.0 114.0



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 49.760 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

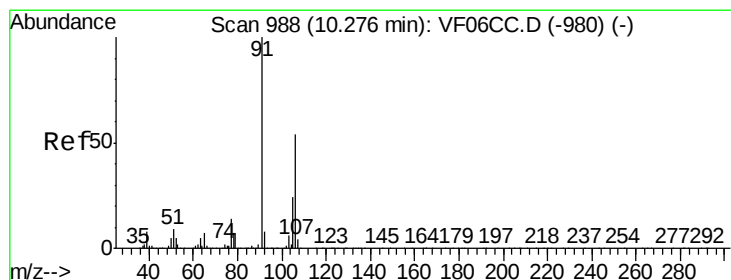
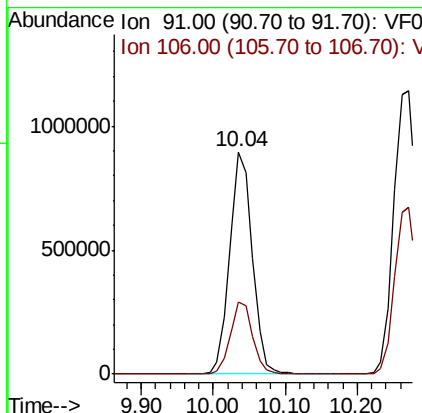
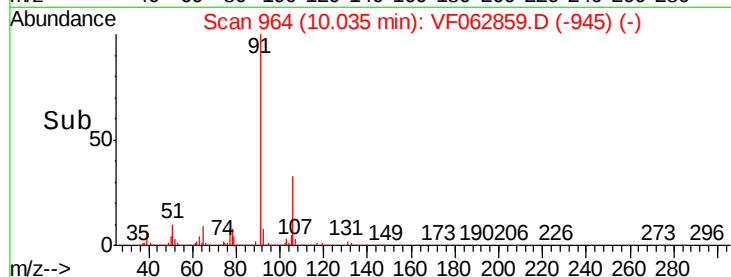
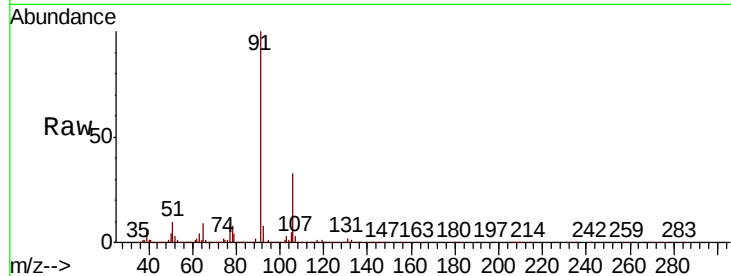
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 1971392

Ion Ratio Lower Upper

91 100

106 32.6 26.0 39.0



#68

m/p-Xylenes

Concen: 96.644 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.01 min

Lab File: VF062859.D

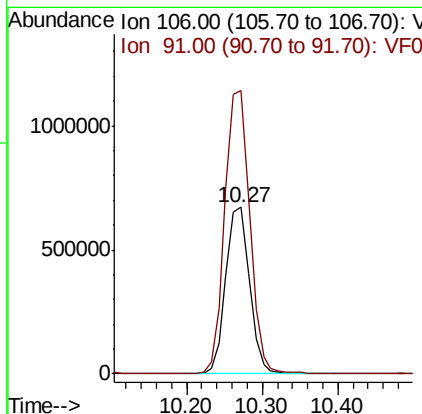
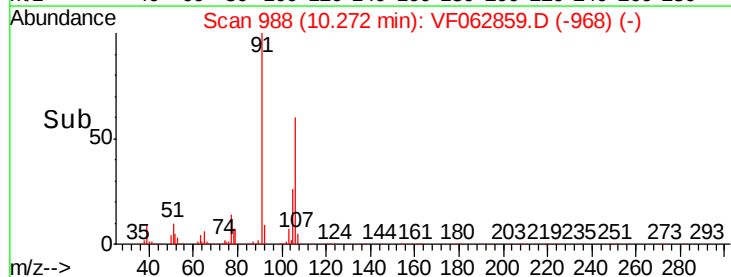
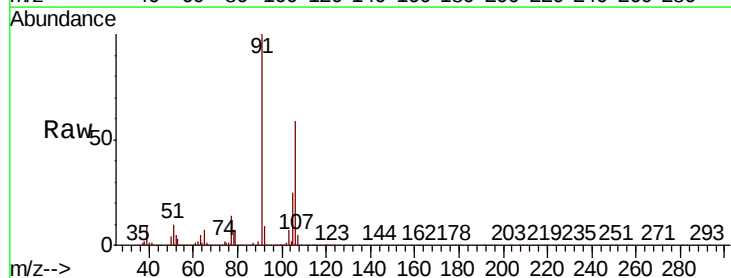
Acq: 5 Jun 2019 10:59

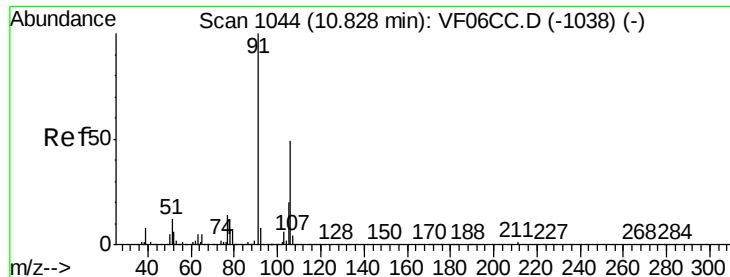
Tgt Ion: 106 Resp: 1465176

Ion Ratio Lower Upper

106 100

91 169.9 136.2 204.4

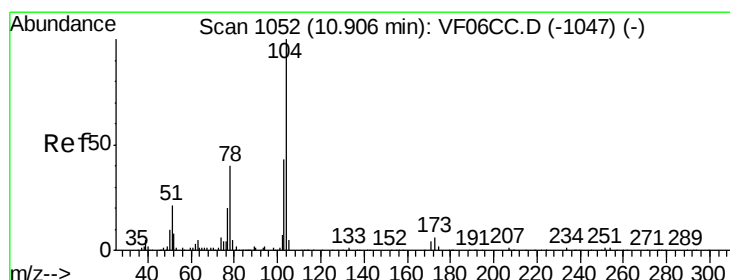
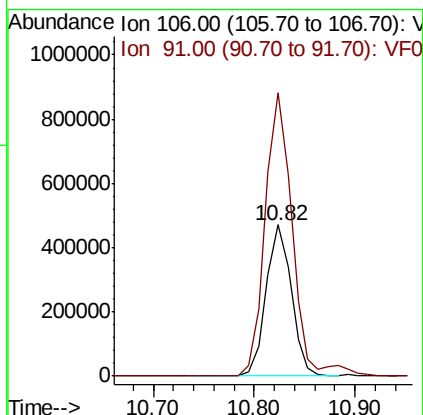
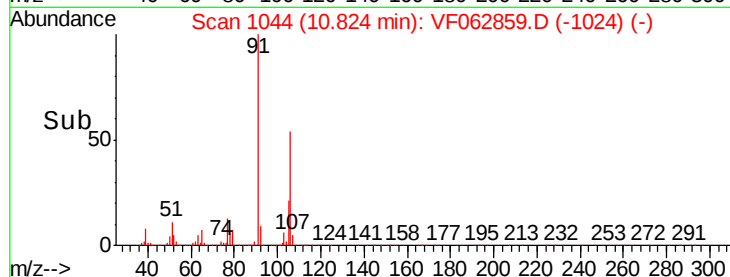
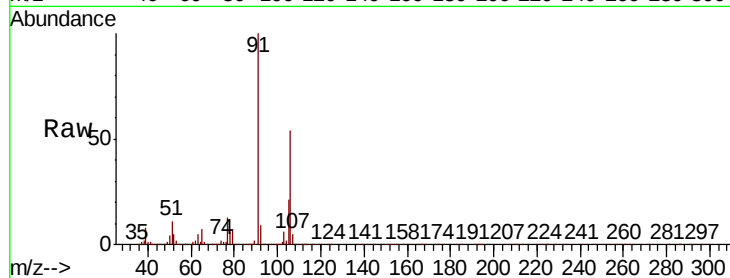




#69
o-Xylene
Concen: 53.516 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

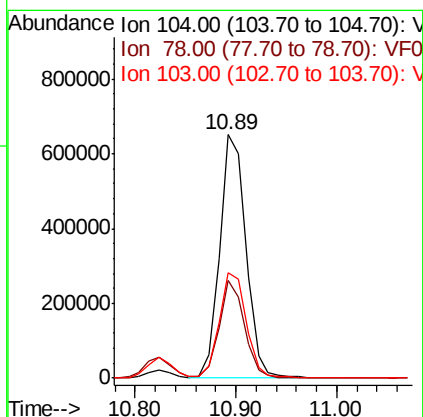
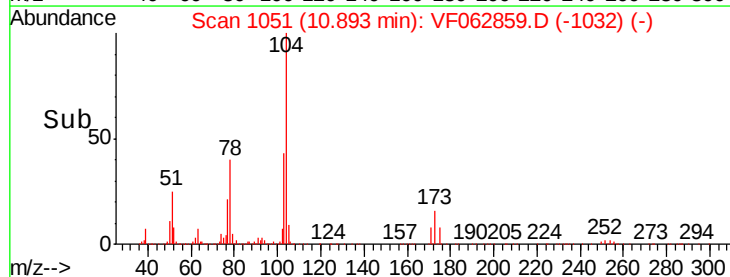
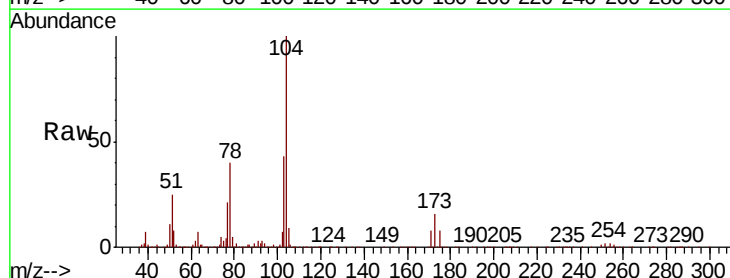
Instrument :
MSVOA_F
ClientSampleId :

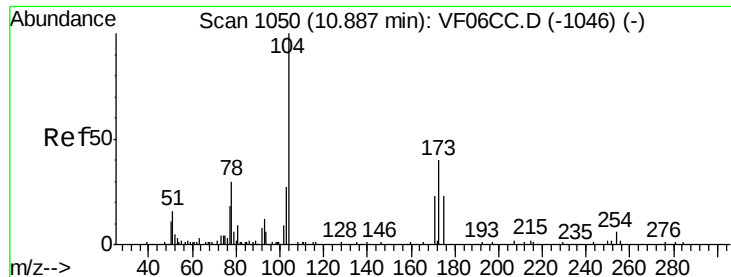
Tot Ion:106 Resp: 821443
Ion Ratio Lower Upper
106 100
91 186.9 96.6 289.8



#70
Styrene
Concen: 52.227 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion:104 Resp: 1181582
Ion Ratio Lower Upper
104 100
78 39.9 30.8 46.2
103 43.2 35.8 53.6





#71

Bromoform

Concen: 55.016 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

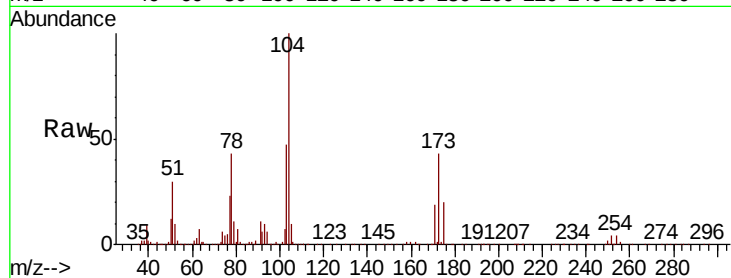
Tot Ion:173 Resp: 242666

Ion Ratio Lower Upper

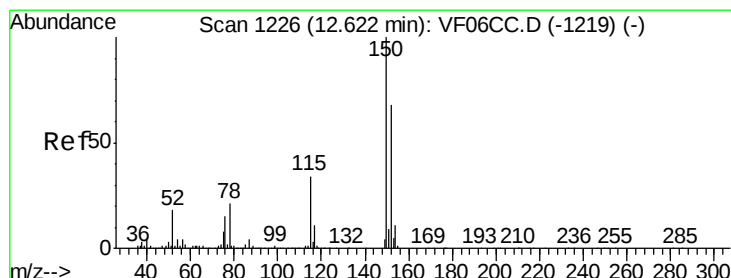
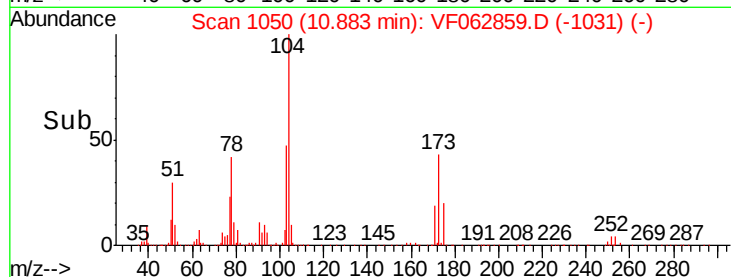
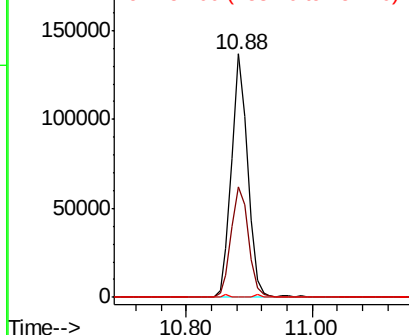
173 100

175 45.5 24.6 74.0

254 0.0 0.1 0.1#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

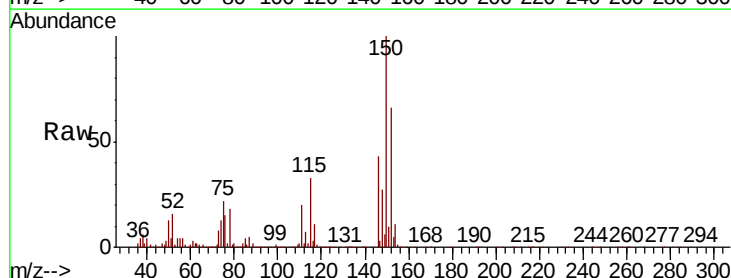
Tgt Ion:152 Resp: 576103

Ion Ratio Lower Upper

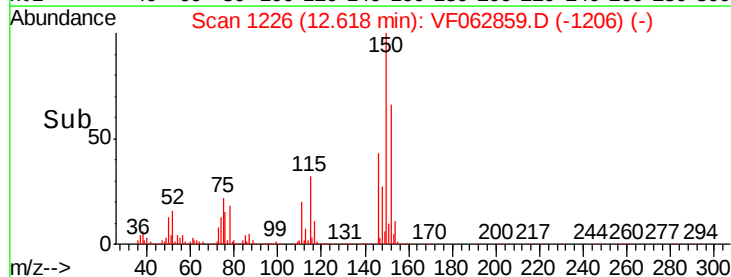
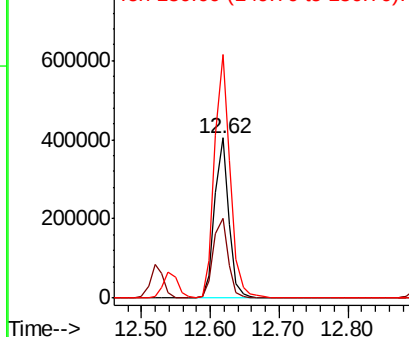
152 100

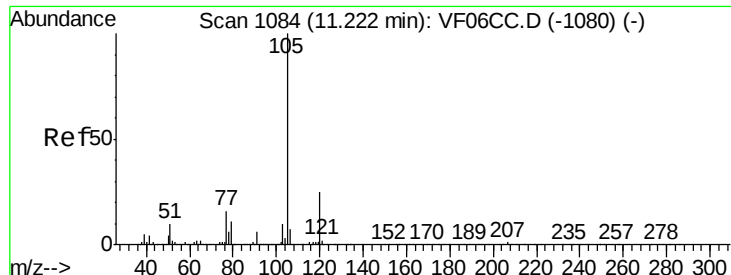
115 49.5 24.6 74.0

150 152.2 0.0 290.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 50.086 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

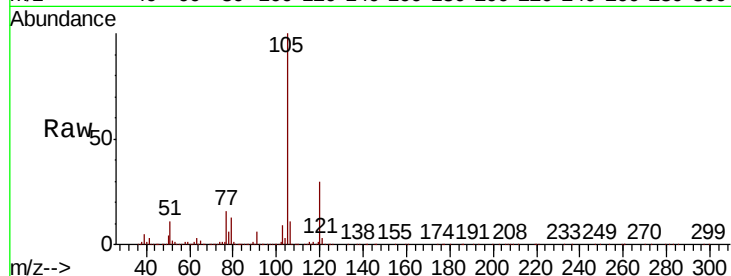
ClientSampleId :

Tot Ion:105 Resp: 2013346

Ion Ratio Lower Upper

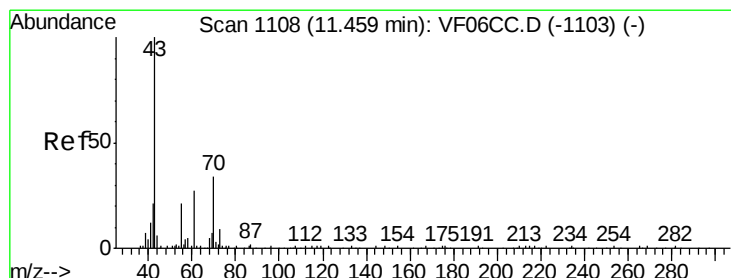
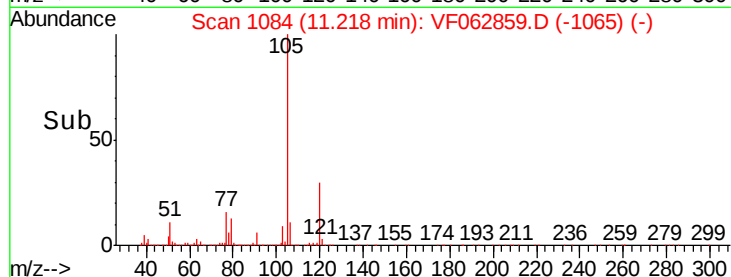
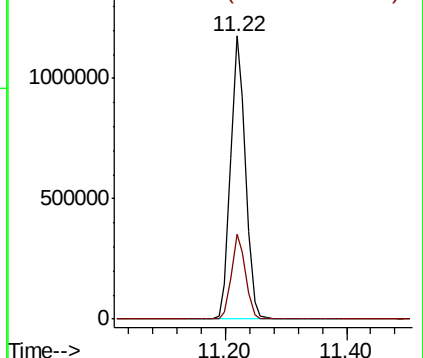
105 100

120 30.0 15.1 45.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.966 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tgt Ion: 43 Resp: 543434

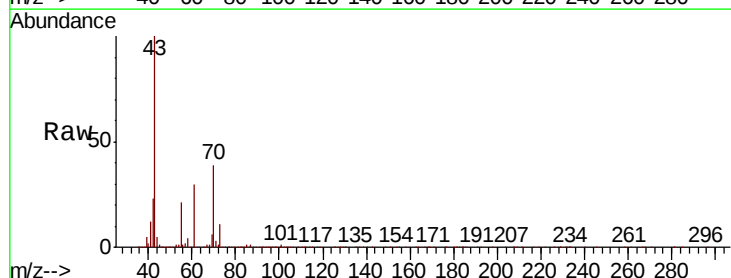
Ion Ratio Lower Upper

43 100

70 39.4 32.9 49.3

55 20.7 17.3 25.9

61 30.3 23.7 35.5

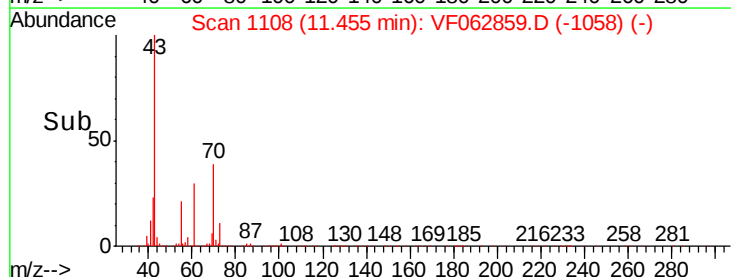
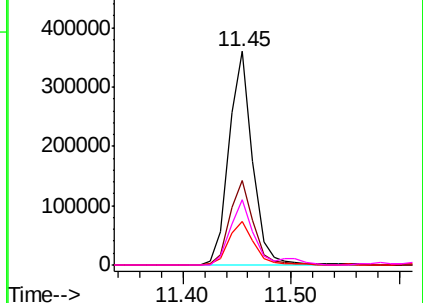


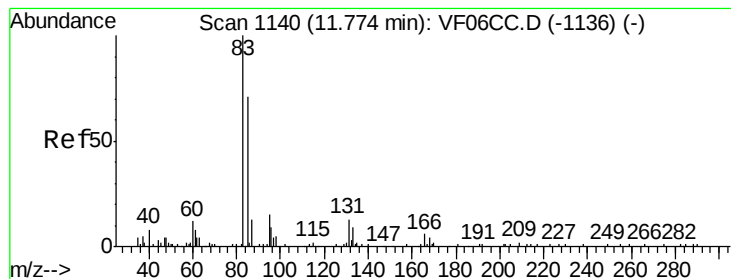
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.039 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

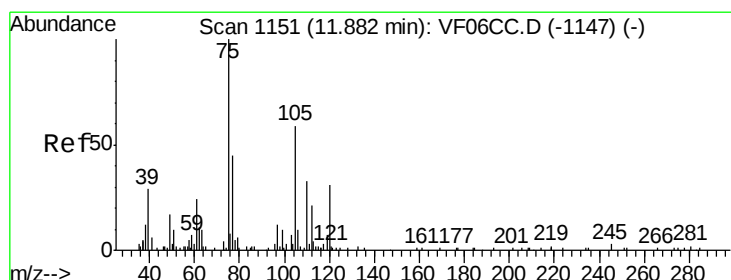
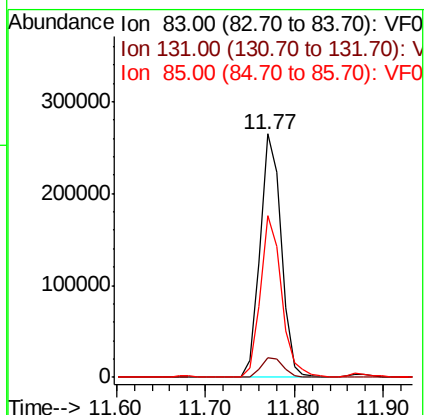
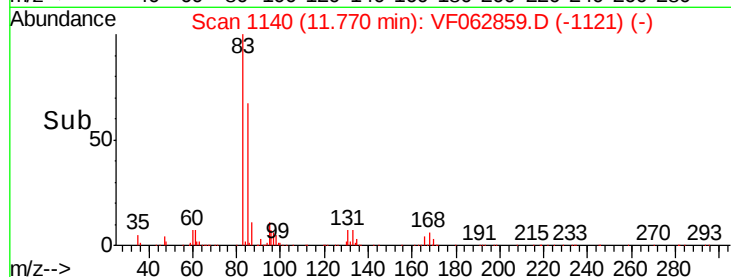
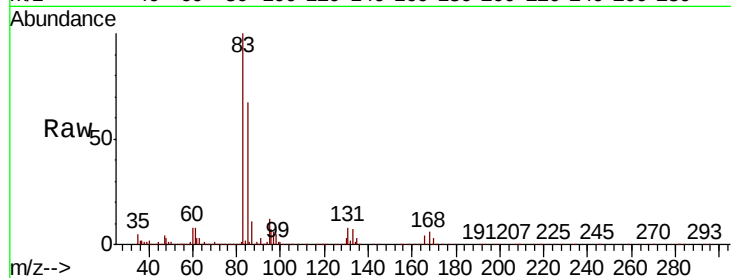
Tot Ion: 83 Resp: 429551

Ion Ratio Lower Upper

83 100

131 7.9 4.9 14.7

85 66.6 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 46.860 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VF062859.D

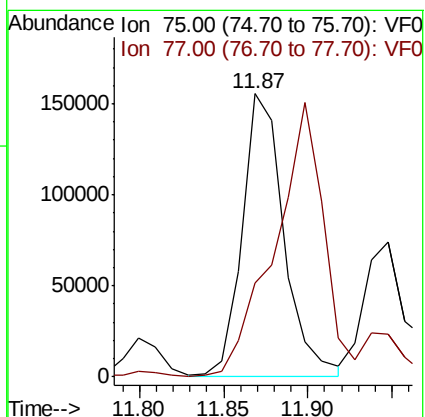
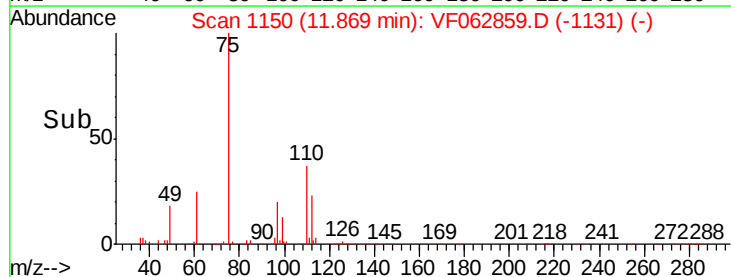
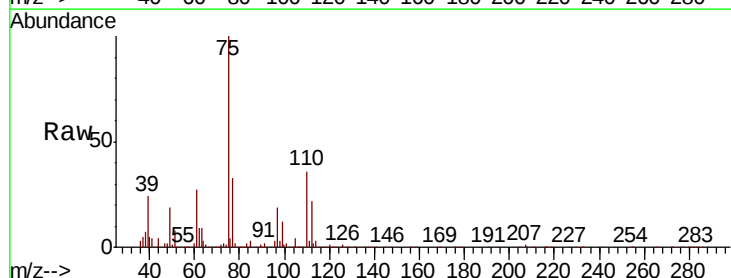
Acq: 5 Jun 2019 10:59

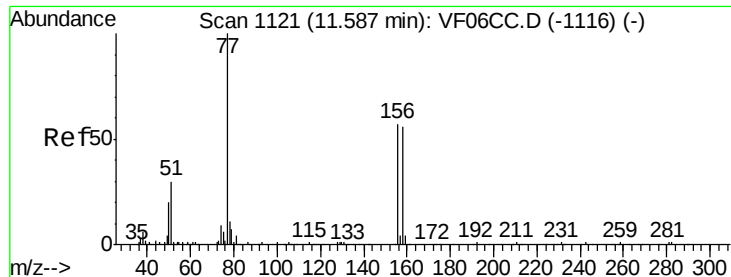
Tgt Ion: 75 Resp: 266644

Ion Ratio Lower Upper

75 100

77 33.0 20.1 60.2





#77

Bromobenzene

Concen: 48.486 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

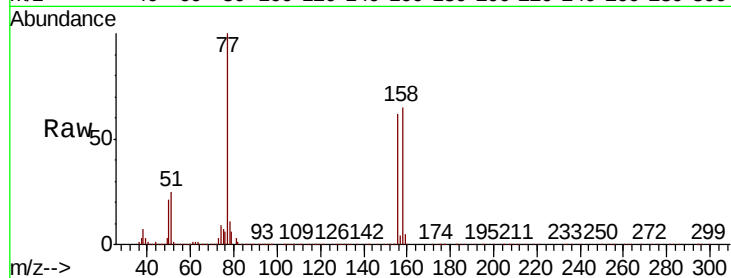
Tot Ion:156 Resp: 489717

Ion Ratio Lower Upper

156 100

77 161.1 64.2 192.6

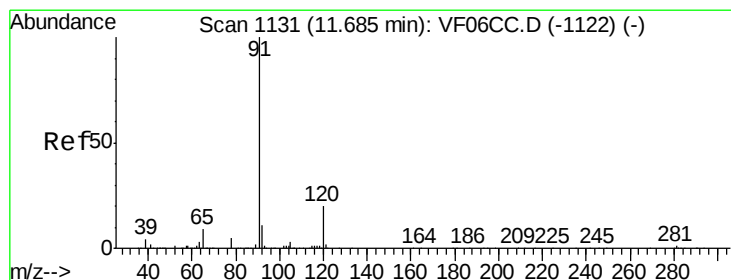
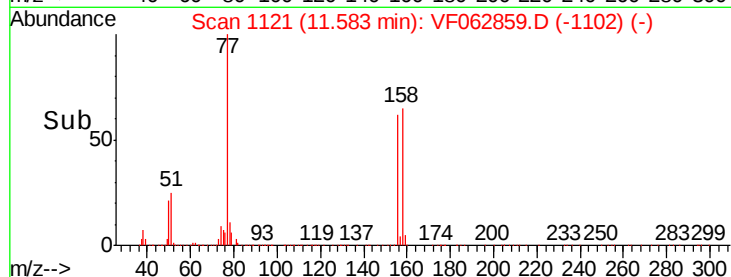
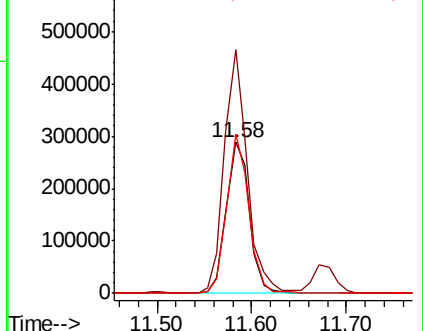
158 105.3 50.3 151.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 48.110 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF062859.D

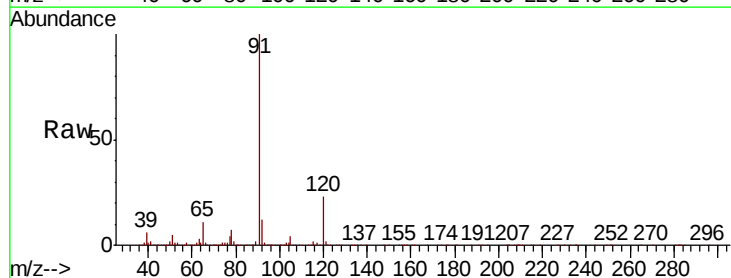
Acq: 5 Jun 2019 10:59

Tgt Ion: 91 Resp: 2335078

Ion Ratio Lower Upper

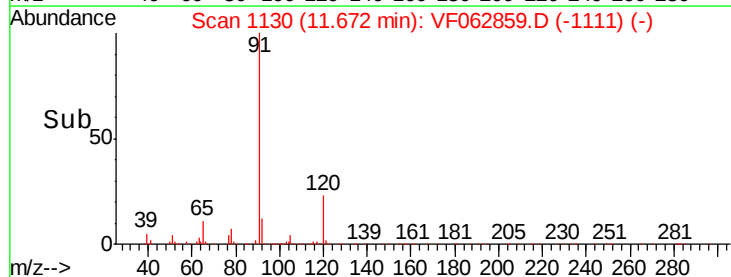
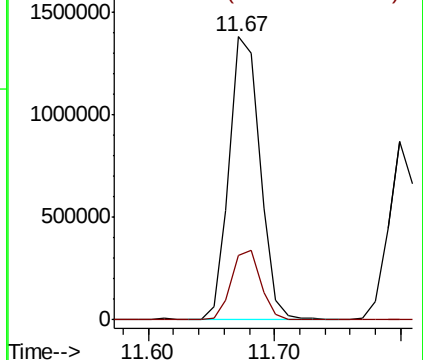
91 100

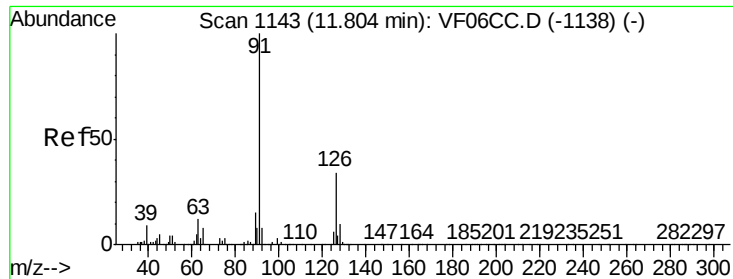
120 22.8 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

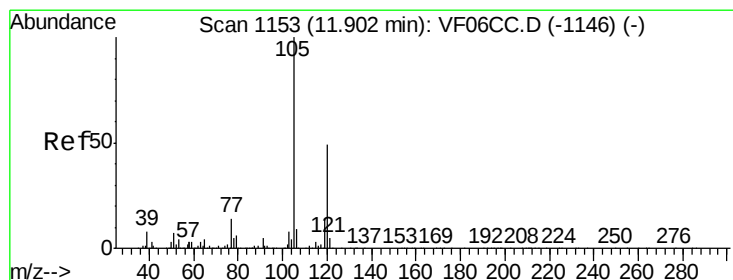
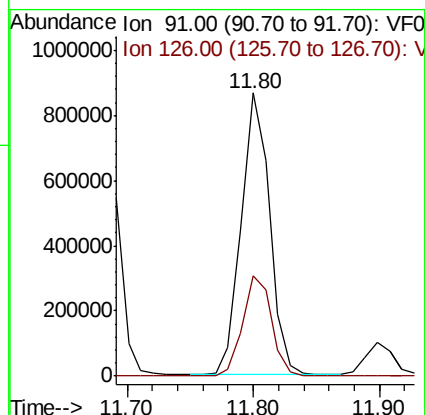
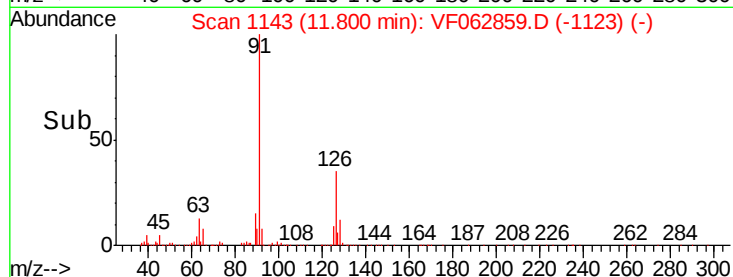
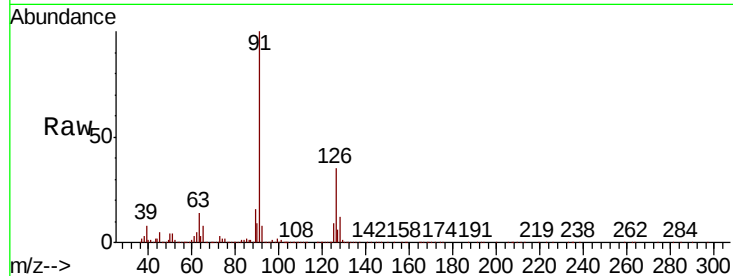




#79
 2-Chlorotoluene
 Concen: 48.466 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

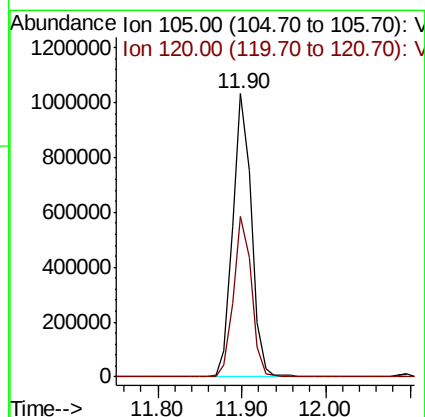
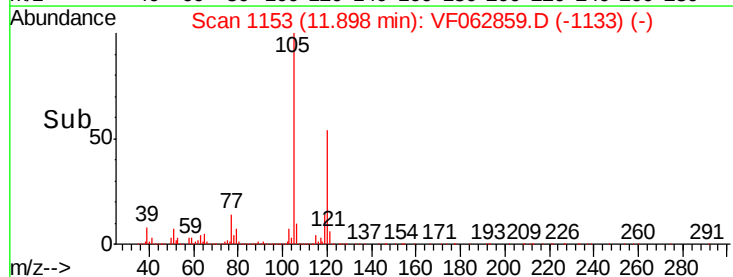
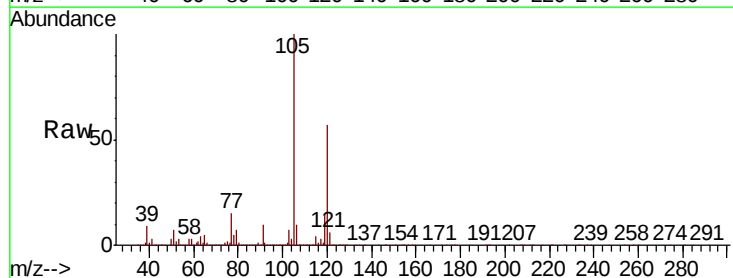
Instrument :
 MSVOA_F
 ClientSampleId :

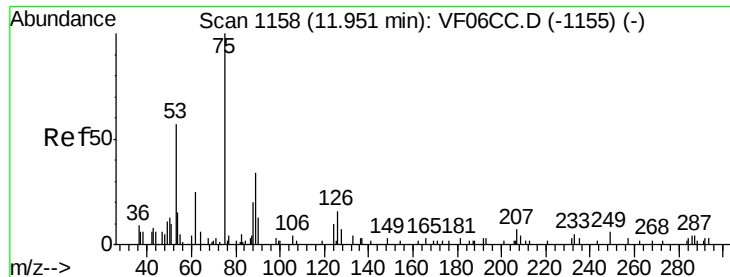
Tot Ion: 91 Resp: 1346008
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 48.243 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Tgt Ion: 105 Resp: 1585914
 Ion Ratio Lower Upper
 105 100
 120 56.7 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 63.635 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

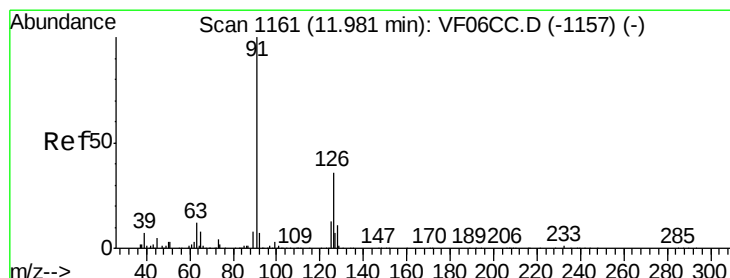
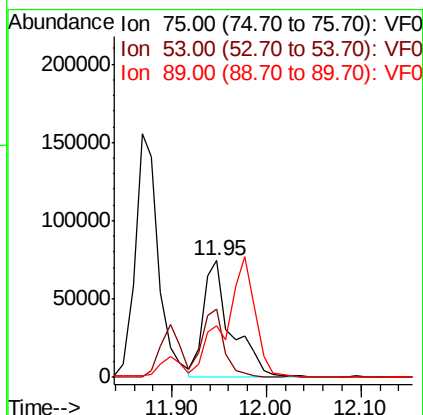
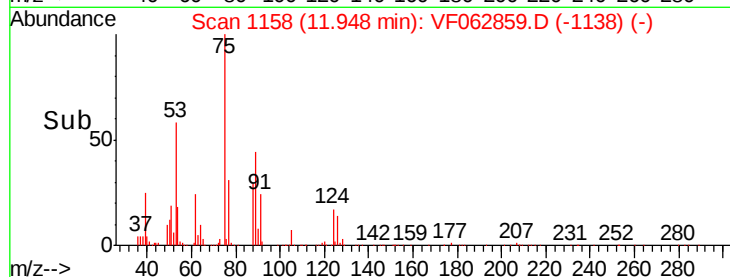
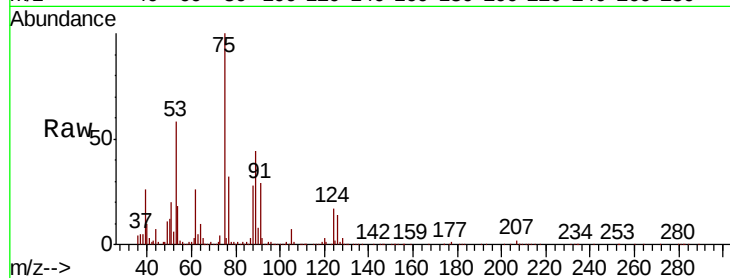
Tot Ion: 75 Resp: 153301

Ion Ratio Lower Upper

75 100

53 58.2 43.5 65.3

89 43.9 34.3 51.5



#82

4-Chlorotoluene

Concen: 49.386 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF062859.D

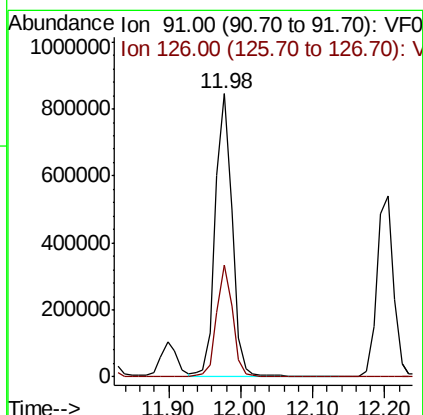
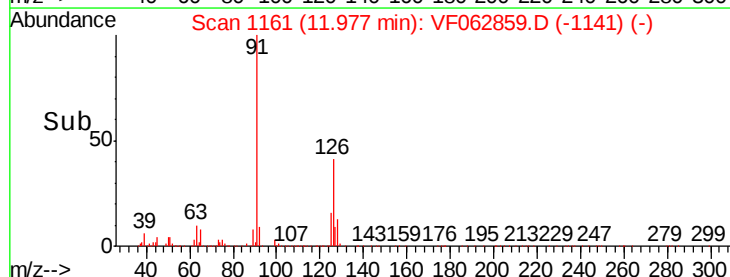
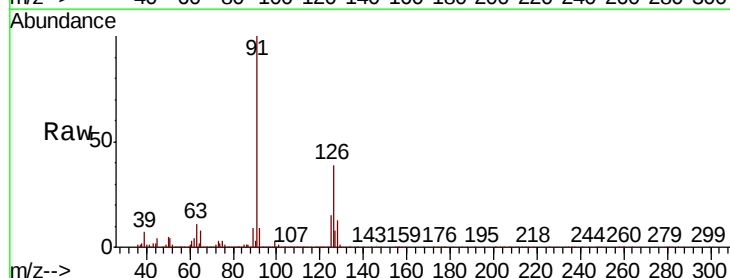
Acq: 5 Jun 2019 10:59

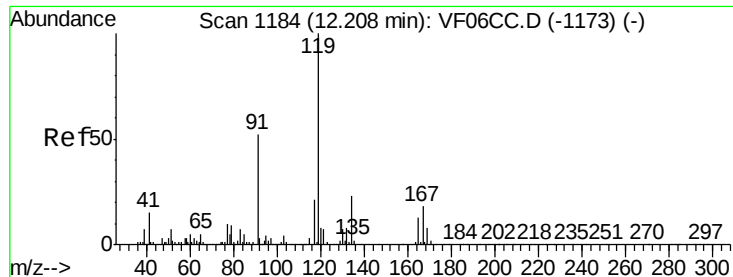
Tgt Ion: 91 Resp: 1347900

Ion Ratio Lower Upper

91 100

126 39.3 19.1 57.1

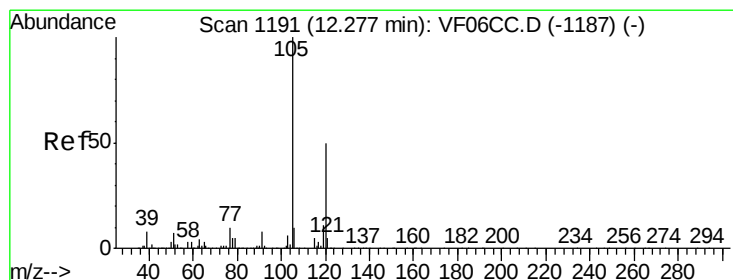
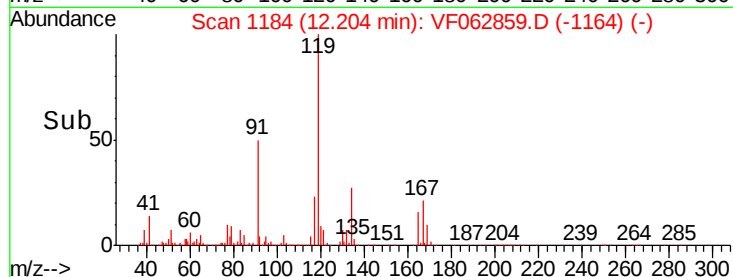
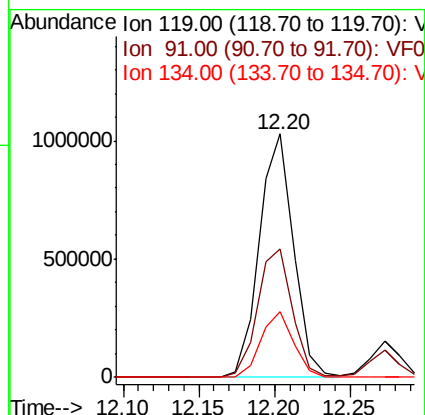
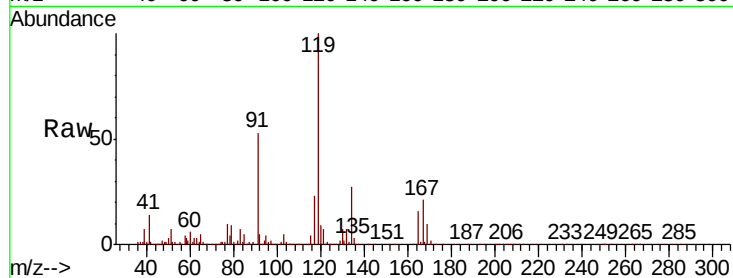




#83
tert-Butylbenzene
Concen: 49.884 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

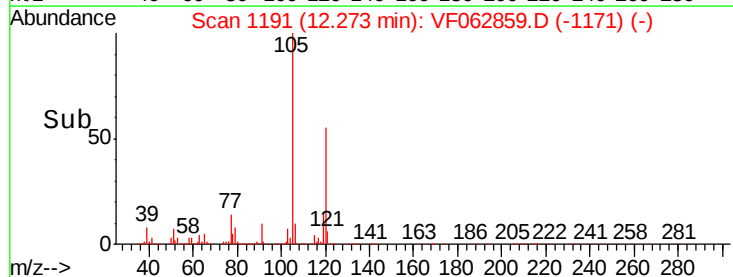
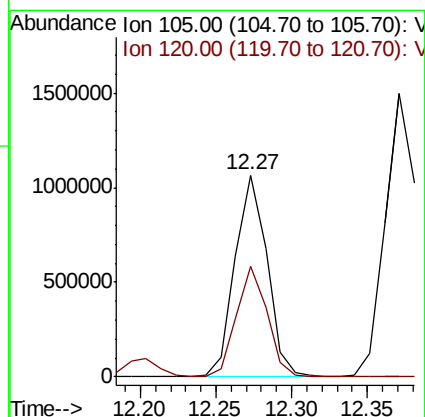
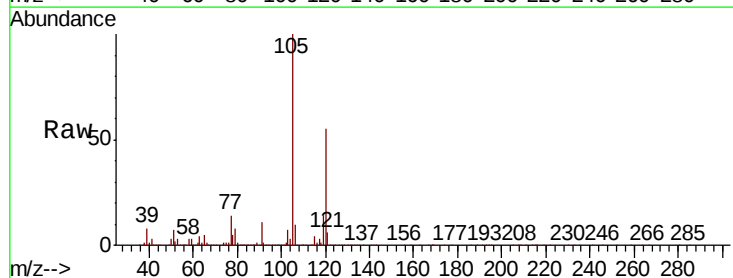
Instrument :
MSVOA_F
ClientSampleId :

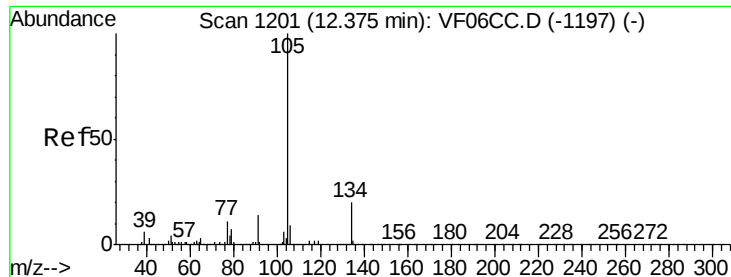
Tot Ion:119 Resp: 1624899
Ion Ratio Lower Upper
119 100
91 52.6 28.9 86.7
134 27.1 14.3 42.9



#84
1,2,4-Trimethylbenzene
Concen: 50.387 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion:105 Resp: 1570498
Ion Ratio Lower Upper
105 100
120 54.9 27.1 81.3





#85

sec-Butylbenzene

Concen: 51.955 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

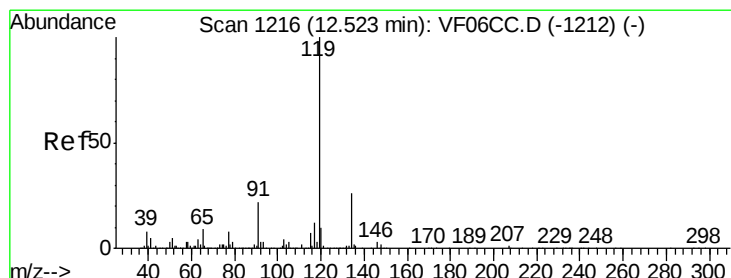
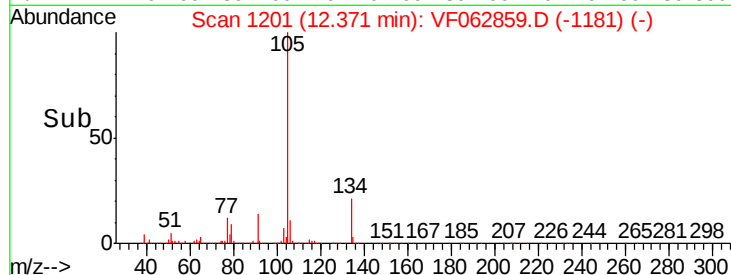
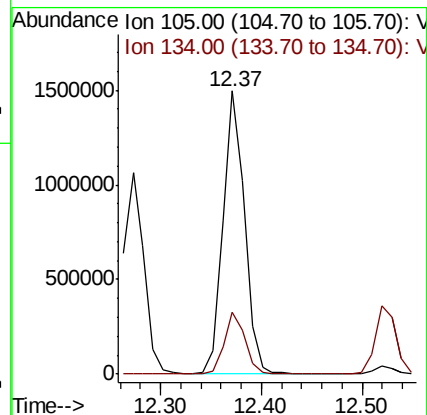
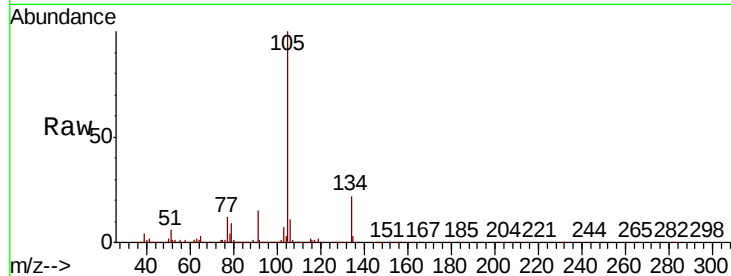
ClientSampleId :

Tot Ion:105 Resp: 2229997

Ion Ratio Lower Upper

105 100

134 21.7 10.5 31.6



#86

p-Isopropyltoluene

Concen: 51.422 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

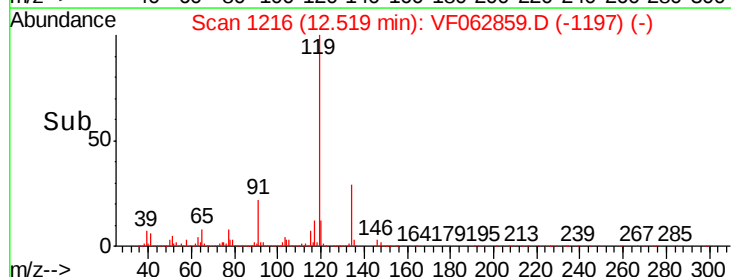
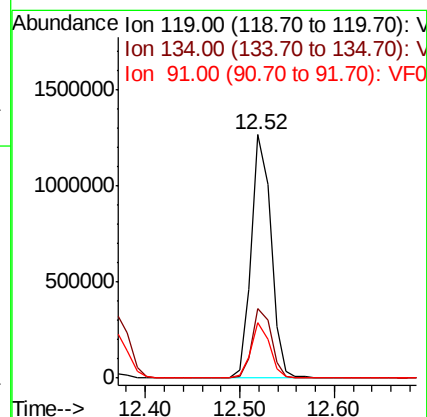
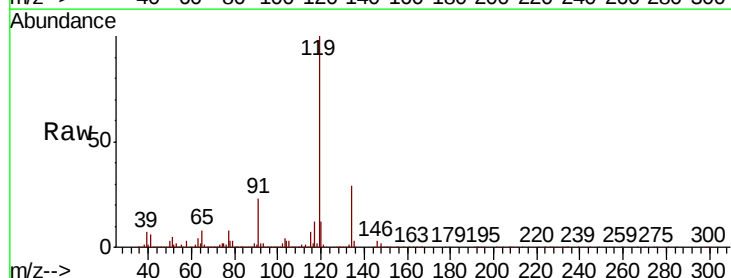
Tgt Ion:119 Resp: 1837129

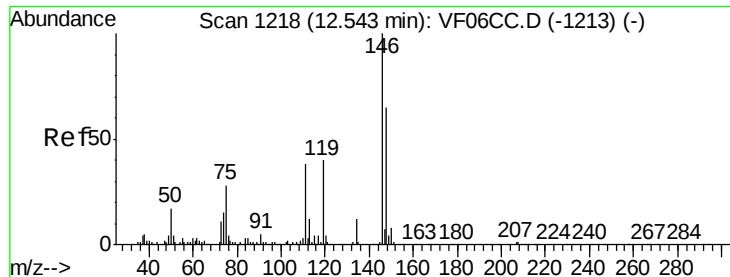
Ion Ratio Lower Upper

119 100

134 28.6 15.5 46.5

91 22.6 10.3 30.9





#87

1,3-Dichlorobenzene

Concen: 50.297 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF062859.D

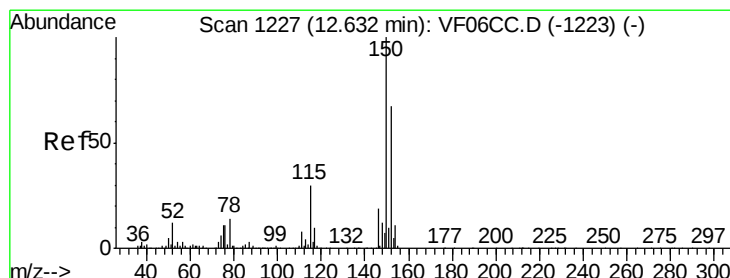
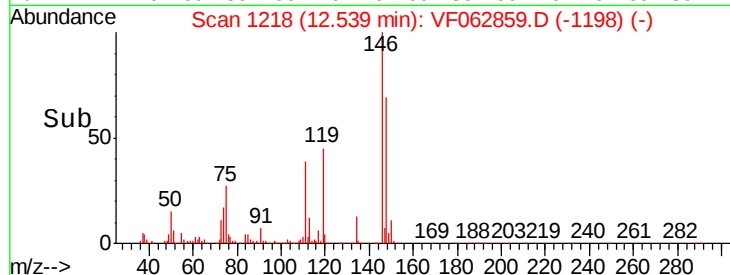
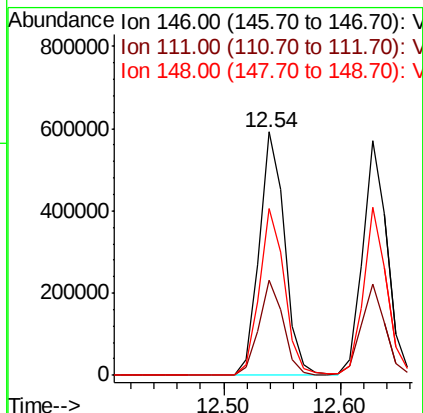
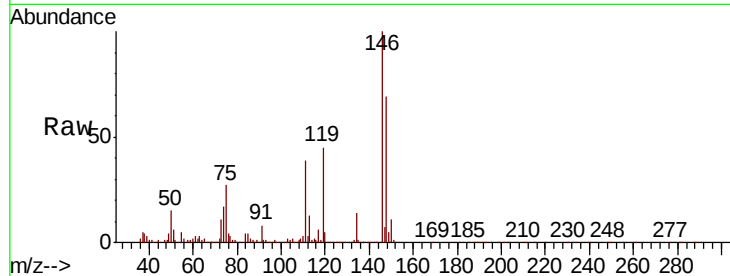
Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	146	Resp:	895918
Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.8
148	68.6	34.2	102.5



#88

1,4-Dichlorobenzene

Concen: 50.102 ug/l

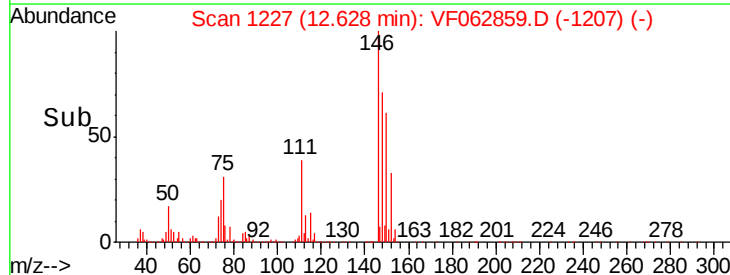
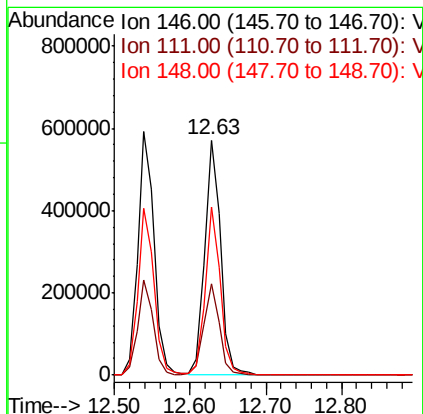
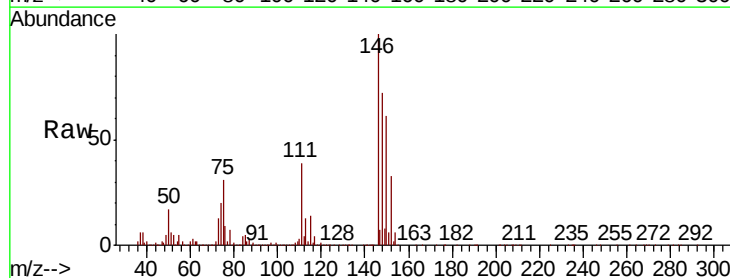
RT: 12.63 min Scan# 1227

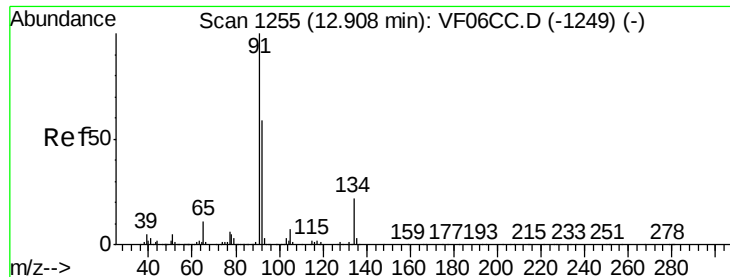
Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tgt Ion:	146	Resp:	832871
Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.3	60.9
148	71.5	34.0	101.8

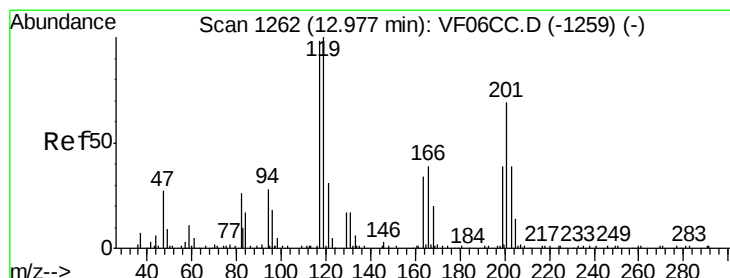
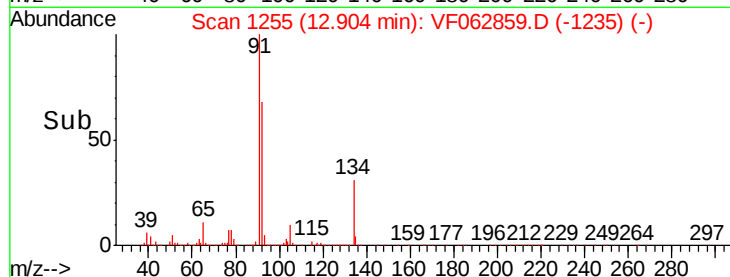
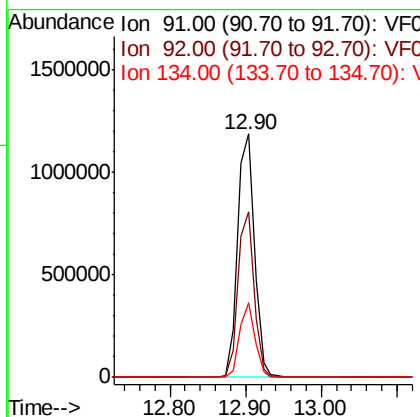
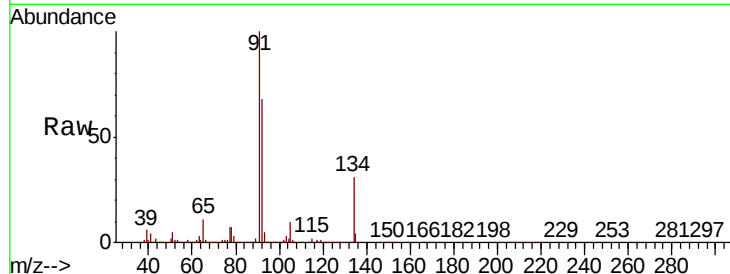




#89
n-Butylbenzene
Concen: 50.099 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

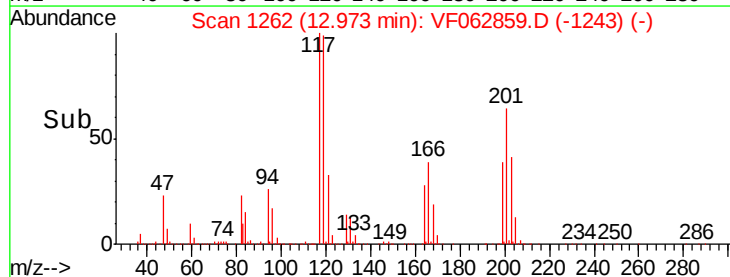
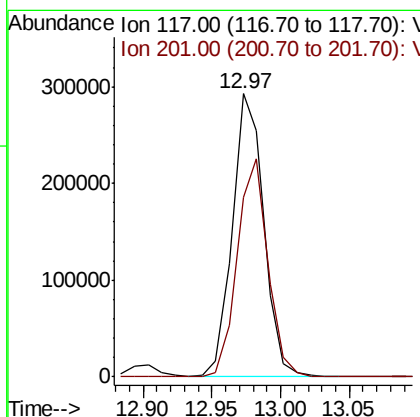
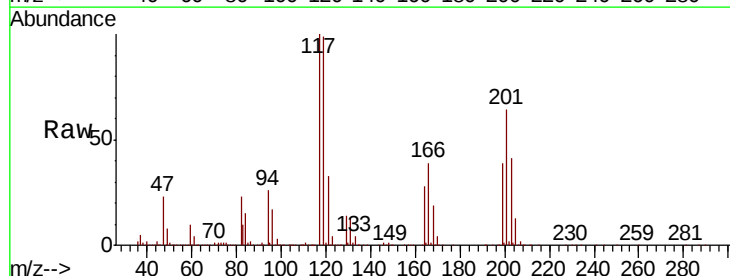
Instrument :
MSVOA_F
ClientSampleId :

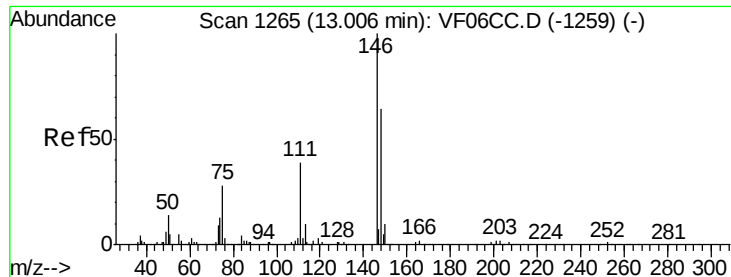
Tot Ion: 91 Resp: 1800455
Ion Ratio Lower Upper
91 100
92 67.9 34.2 102.6
134 30.9 15.8 47.3



#90
Hexachloroethane
Concen: 53.266 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion: 117 Resp: 464134
Ion Ratio Lower Upper
117 100
201 63.6 38.9 116.7

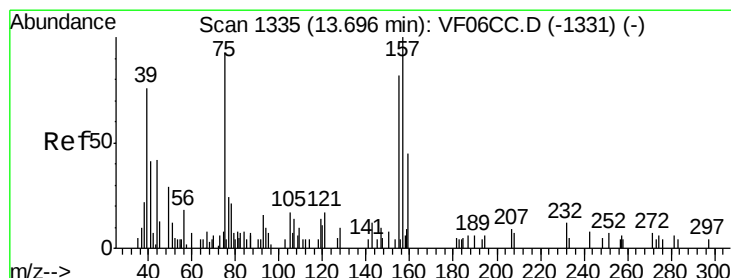
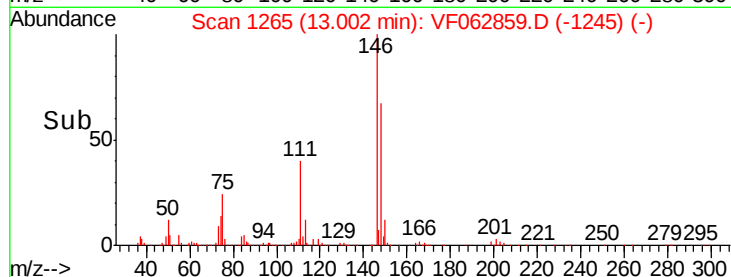
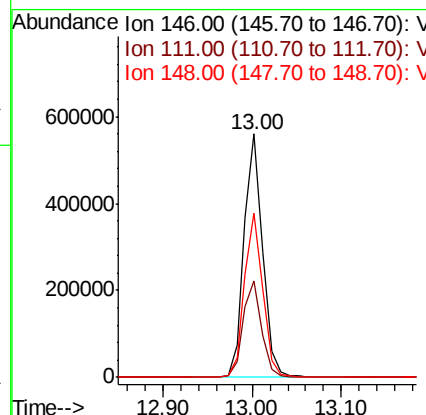
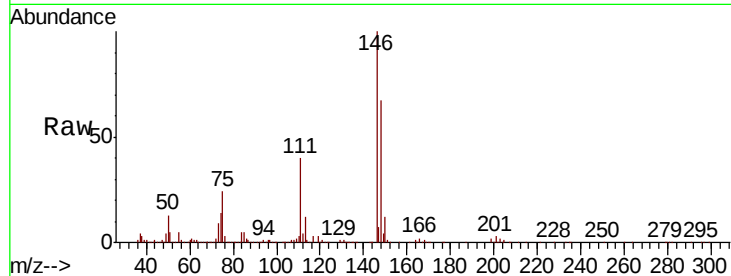




#91
 1,2-Dichlorobenzene
 Concen: 51.802 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

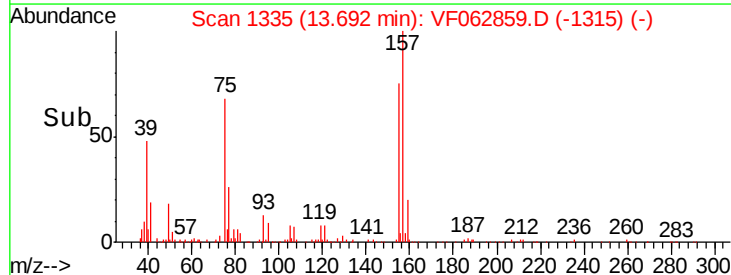
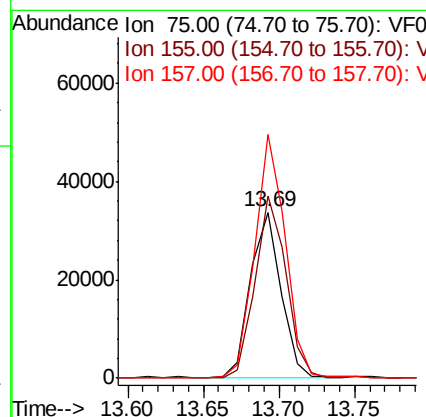
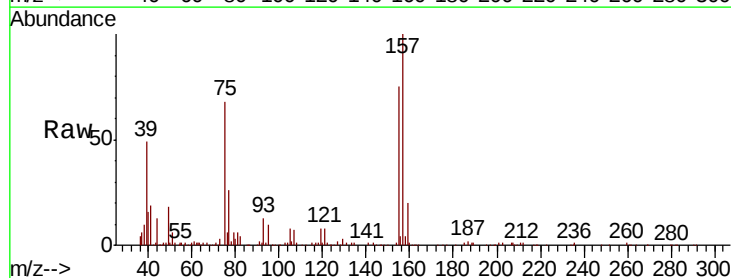
Instrument :
 MSVOA_F
 ClientSampleId :

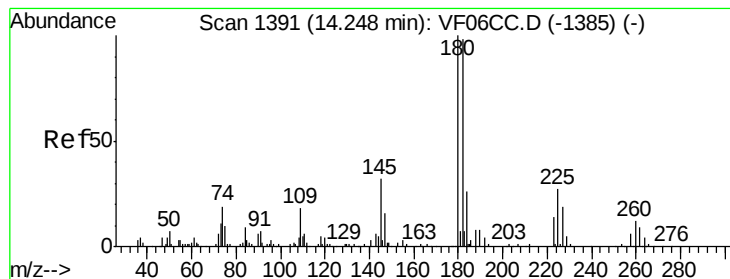
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.4	61.3
148	67.3	34.1	102.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.391 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.3	51.7	155.1
157	147.1	66.8	200.6





#93

1,2,4-Trichlorobenzene

Concen: 51.803 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampled :

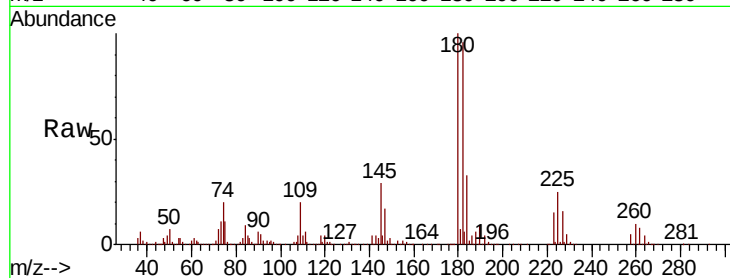
Tot Ion:180 Resp: 556879

Ion Ratio Lower Upper

180 100

182 96.4 50.3 150.9

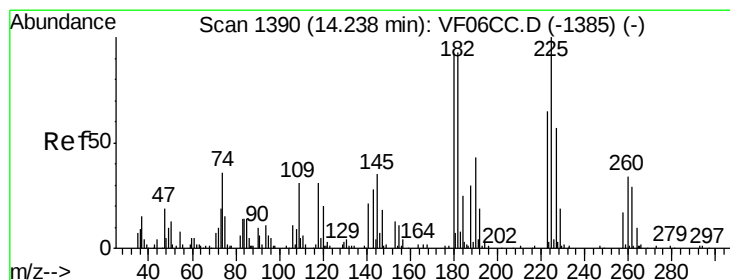
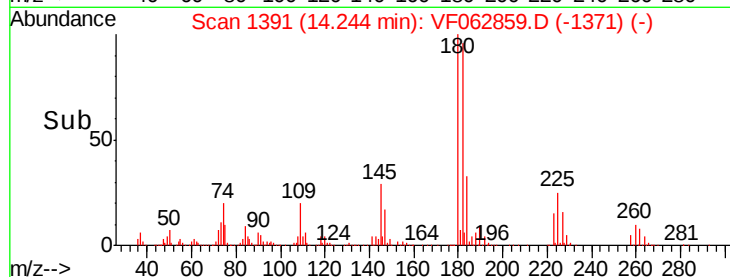
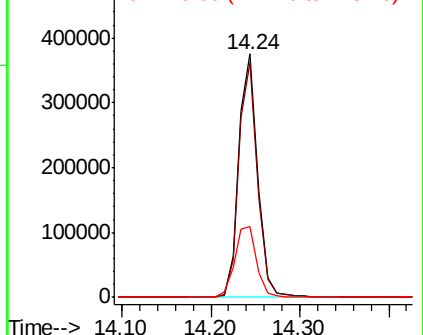
145 28.9 15.4 46.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 50.985 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

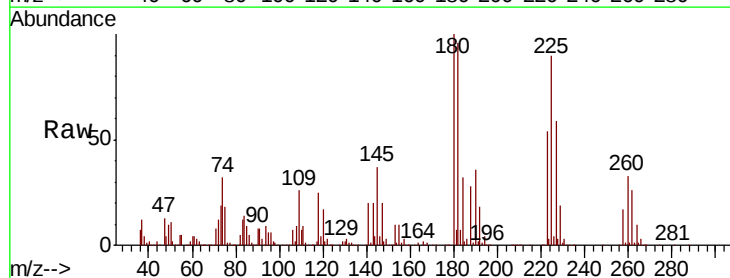
Tgt Ion:225 Resp: 379164

Ion Ratio Lower Upper

225 100

223 60.0 30.8 92.4

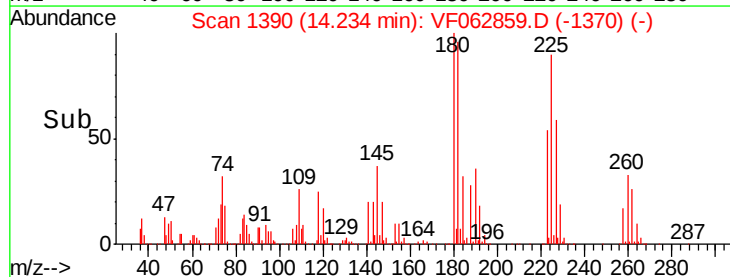
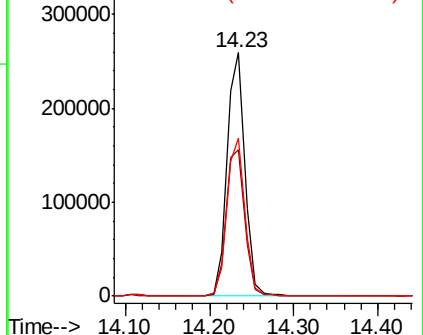
227 65.1 31.9 95.5

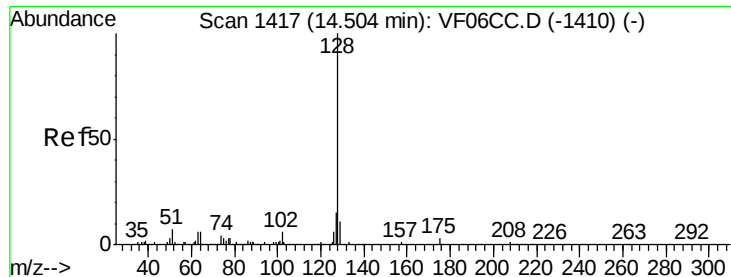


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

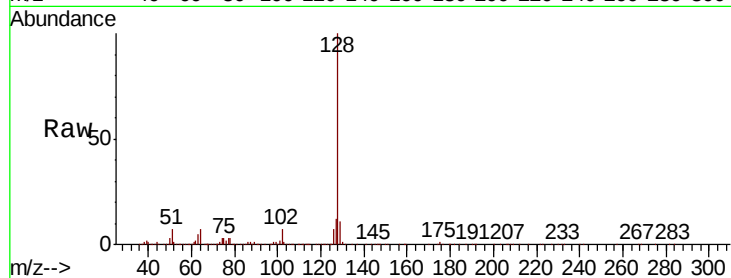




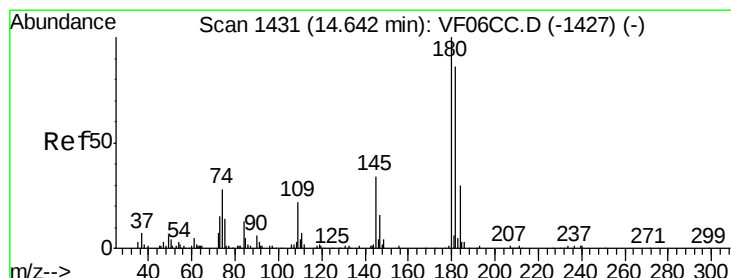
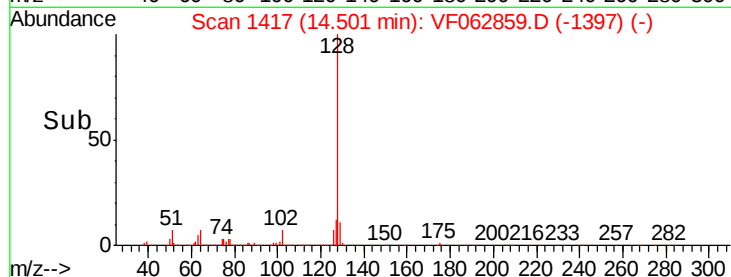
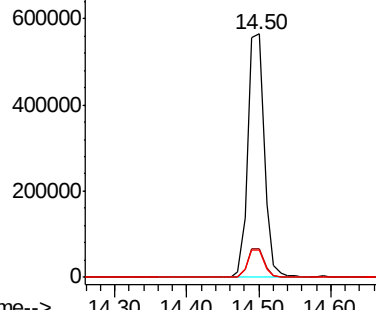
#95
Naphthalene
Concen: 50.154 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.7	9.7	14.5
129	11.3	9.4	14.2

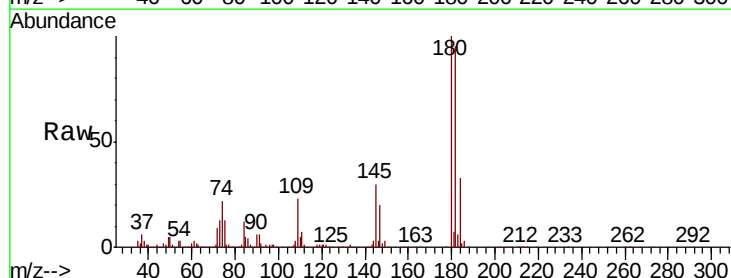


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.217 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.6	145.9
145	29.6	15.7	47.0



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

