

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061019\
 Data File : VF062907.D
 Acq On : 10 Jun 2019 15:37
 Operator : FY/SY
 Sample : VF0610SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBS01

Quant Time: Jun 11 01:18:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	839198	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.79	114	1381652	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	1008616	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	490524	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	278359	47.97	ug/l	-0.02
Spiked Amount			Recovery	=	95.94%	
35) Dibromofluoromethane	4.32	113	509774	48.83	ug/l	-0.02
Spiked Amount			Recovery	=	97.66%	
50) Toluene-d8	7.72	98	1215652	46.04	ug/l	-0.02
Spiked Amount			Recovery	=	92.08%	
62) 4-Bromofluorobenzene	11.49	95	416903	43.90	ug/l	-0.02
Spiked Amount			Recovery	=	87.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	216574	20.245	ug/l	99
3) Chloromethane	1.15	50	169169	19.482	ug/l	94
4) Vinyl Chloride	1.19	62	159025	18.430	ug/l	94
5) Bromomethane	1.40	94	87899	17.862	ug/l	95
6) Chloroethane	1.46	64	56701	17.575	ug/l	92
7) Trichlorofluoromethane	1.55	101	249680	20.439	ug/l	90
8) Diethyl Ether	1.72	74	48494	20.178	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.92	101	154594	20.129	ug/l	96
10) Methyl Iodide	2.00	142	248395	16.131	ug/l	98
11) Tert butyl alcohol	2.70	59	42068	119.665	ug/l #	90
12) 1,1-Dichloroethene	1.88	96	134654	19.309	ug/l	95
13) Acrolein	2.10	56	11328	74.931	ug/l	84
14) Allyl chloride	2.20	41	98360	18.180	ug/l	97
15) Acrylonitrile	3.11	53	145984	110.513	ug/l	98
16) Acetone	2.36	43	143719	108.206	ug/l	97
17) Carbon Disulfide	1.92	76	380712	18.678	ug/l	98
18) Methyl Acetate	2.46	43	55531	23.925	ug/l #	84
19) Methyl tert-butyl Ether	2.55	73	266177	21.067	ug/l	94
20) Methylene Chloride	2.36	84	101940	13.124	ug/l	96
21) trans-1,2-Dichloroethene	2.43	96	141837	20.285	ug/l	91
22) Diisopropyl ether	2.95	45	292417	19.024	ug/l	92
23) Vinyl Acetate	3.35	43	1163780	110.593	ug/l	99
24) 1,1-Dichloroethane	3.02	63	237470	20.692	ug/l	99
25) 2-Butanone	4.53	43	319604	103.329	ug/l	99
26) 2,2-Dichloropropane	3.79	77	149082	22.878	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	248554	21.147	ug/l	99
28) Bromochloromethane	3.90	49	122567	19.634	ug/l	95
29) Tetrahydrofuran	4.28	42	130059	109.938	ug/l	99
30) Chloroform	4.06	83	339463	20.987	ug/l	97
31) Cyclohexane	3.89	56	292931	18.853	ug/l	95
32) 1,1,1-Trichloroethane	4.30	97	212806	22.597	ug/l	94
36) 1,1-Dichloropropene	4.49	75	276766	21.759	ug/l	96
37) Ethyl Acetate	4.32	43	124039	25.511	ug/l #	78
38) Carbon Tetrachloride	4.28	117	44822	5.214	ug/l	92

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Instrument :
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 ClientSampleId :
 VF0610SBS01

Quant Time: Jun 11 01:18:45 2019
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 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	346407	21.882	ug/l	95
40) Benzene	4.83	78	831018	22.449	ug/l	99
41) Methacrylonitrile	4.94	41	57887	21.416	ug/l	94
42) 1,2-Dichloroethane	5.14	62	157206	22.329	ug/l	89
43) Isopropyl Acetate	7.12	43	131578	20.486	ug/l #	93
44) Trichloroethene	5.69	130	219935	21.052	ug/l	97
45) 1,2-Dichloropropane	6.42	63	195307	21.024	ug/l	95
46) Dibromomethane	6.27	93	121126	22.333	ug/l	97
47) Bromodichloromethane	6.56	83	242803	21.982	ug/l	96
48) Methyl methacrylate	6.89	41	66461	20.078	ug/l	92
49) 1,4-Dioxane	6.88	88	21330	488.864	ug/l #	84
51) 4-Methyl-2-Pentanone	8.41	43	529388	115.445	ug/l	98
52) Toluene	7.79	92	409535	20.540	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	196544	21.473	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	282227	21.302	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	130039	21.831	ug/l	95
56) Ethyl methacrylate	8.76	69	129804	20.310	ug/l	94
57) 1,3-Dichloropropane	9.00	76	216244	22.231	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.45	63	241767	108.238	ug/l	99
59) 2-Hexanone	9.62	43	364789	111.608	ug/l	98
60) Dibromochloromethane	8.86	129	158364	21.474	ug/l	95
61) 1,2-Dibromoethane	9.14	107	136546	22.073	ug/l	95
64) Tetrachloroethene	8.31	164	160781	20.744	ug/l	92
65) Chlorobenzene	9.94	112	410899	21.096	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	171962	22.168	ug/l	99
67) Ethyl Benzene	10.03	91	719740	21.533	ug/l	96
68) m/p-Xylenes	10.26	106	532595	41.640	ug/l	88
69) o-Xylene	10.82	106	273339	21.107	ug/l	97
70) Styrene	10.89	104	411809	21.575	ug/l	99
71) Bromoform	10.88	173	84703	22.762	ug/l #	98
73) Isopropylbenzene	11.22	105	711895	20.799	ug/l	96
74) N-amyl acetate	11.44	43	217025	22.498	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.77	83	164233	22.469	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	103926	21.450	ug/l	92
77) Bromobenzene	11.58	156	172087	20.011	ug/l	89
78) n-propylbenzene	11.67	91	867619	20.994	ug/l	93
79) 2-Chlorotoluene	11.80	91	489174	20.687	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	592999	21.186	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	55997	27.300	ug/l #	82
82) 4-Chlorotoluene	11.97	91	473770	20.387	ug/l	91
83) tert-Butylbenzene	12.19	119	615581	22.195	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	554085	20.879	ug/l	94
85) sec-Butylbenzene	12.37	105	812249	22.225	ug/l	97
86) p-Isopropyltoluene	12.52	119	652870	21.462	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	319645	21.076	ug/l	92
88) 1,4-Dichlorobenzene	12.63	146	298163	21.065	ug/l	94
89) n-Butylbenzene	12.89	91	686564	22.437	ug/l	87
90) Hexachloroethane	12.97	117	168920	22.768	ug/l	85
91) 1,2-Dichlorobenzene	12.99	146	282988	21.228	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	20549	25.805	ug/l	94

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Instrument :
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ClientSampleId :
VF0610SBS01

Quant Time: Jun 11 01:18:45 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

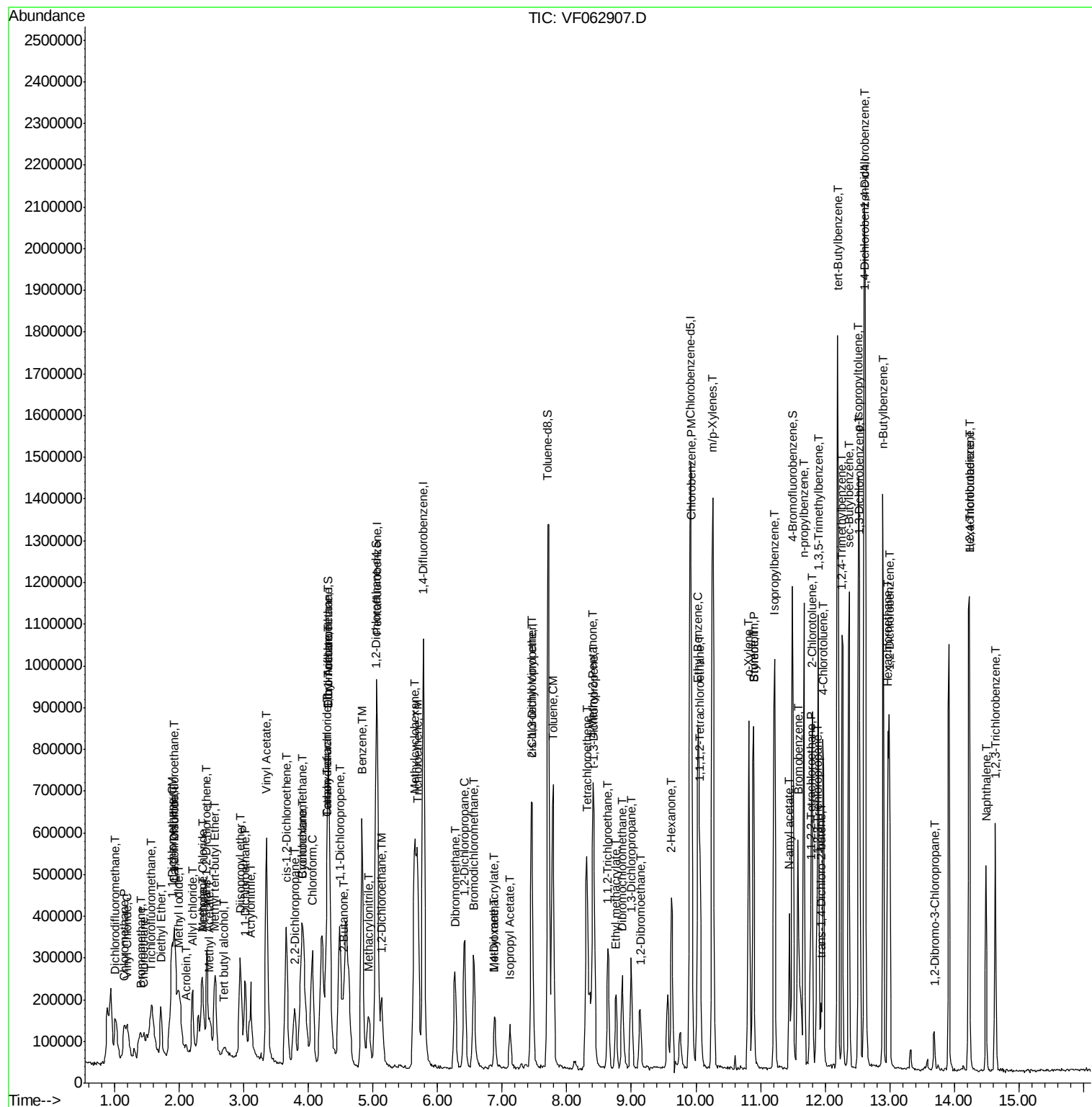
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	196786	21.500	ug/l	97
94) Hexachlorobutadiene	14.22	225	134556	21.250	ug/l	100
95) Naphthalene	14.49	128	326030	21.742	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	178106	21.317	ug/l	98

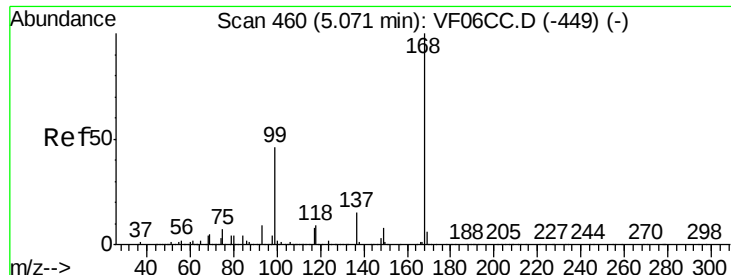
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061019\
Data File : VF062907.D
Acq On : 10 Jun 2019 15:37
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Sample : VF0610SBS01
Misc : 5.00µ/5mL/MSVOA F/SOIL
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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: 5.06 min Scan# 459

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

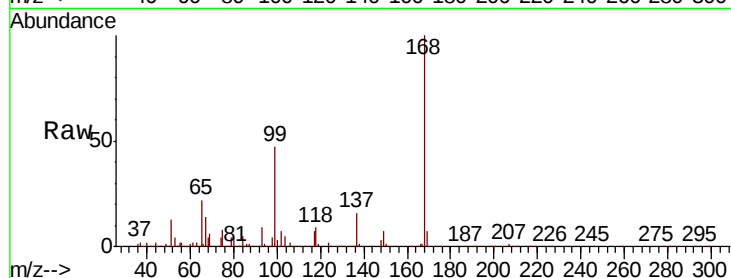
VF0610SBS01

Tot Ion:168 Resp: 839198

Ion Ratio Lower Upper

168 100

99 47.1 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

300000

250000

200000

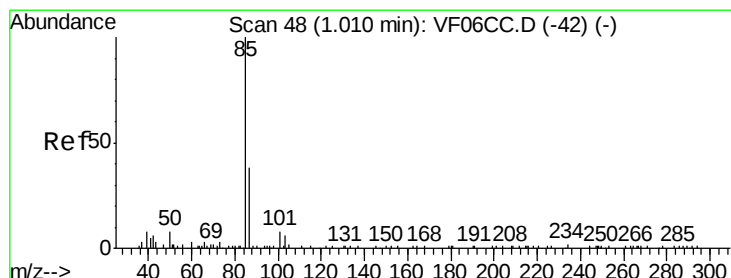
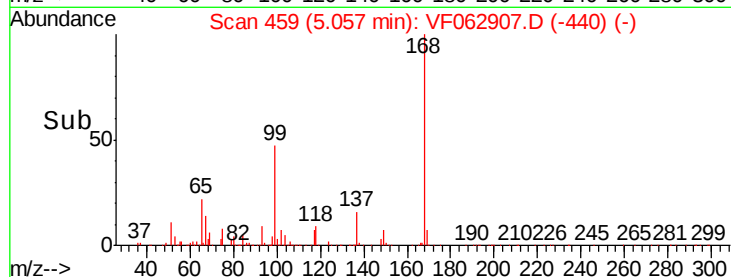
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.245 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062907.D

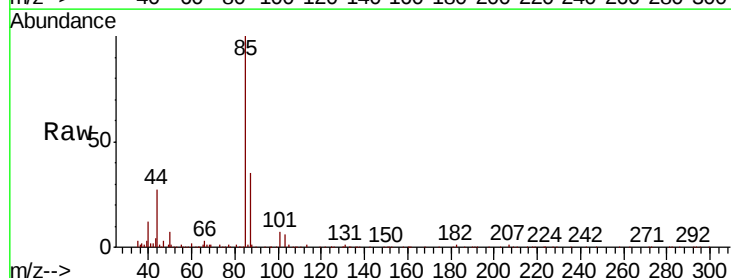
Acq: 10 Jun 2019 15:37

Tgt Ion: 85 Resp: 216574

Ion Ratio Lower Upper

85 100

87 34.5 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.02

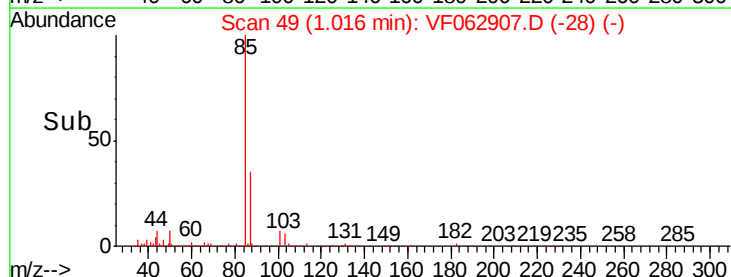
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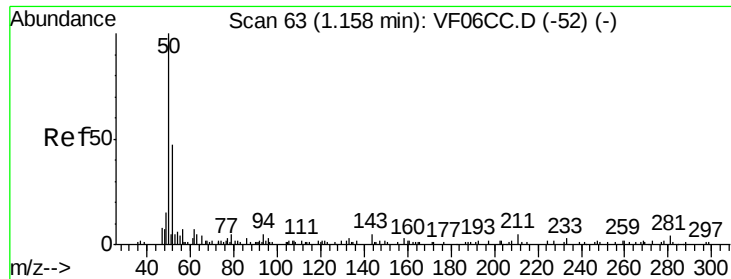
40000

20000

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Time-->





#3

Chloromethane

Concen: 19.482 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

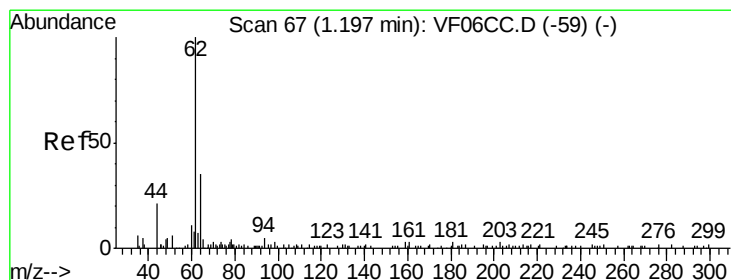
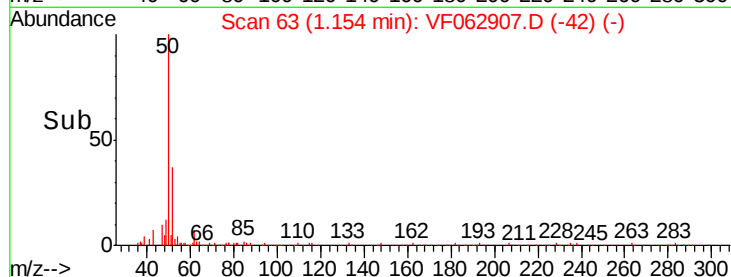
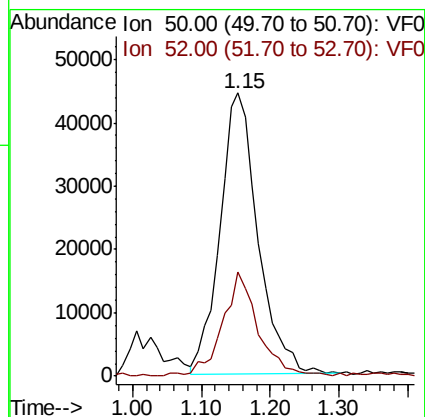
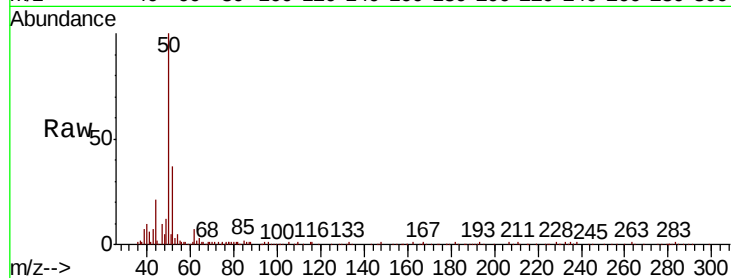
VF0610SBS01

Tot Ion: 50 Resp: 169169

Ion Ratio Lower Upper

50 100

52 36.9 27.0 40.4



#4

Vinyl Chloride

Concen: 18.430 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062907.D

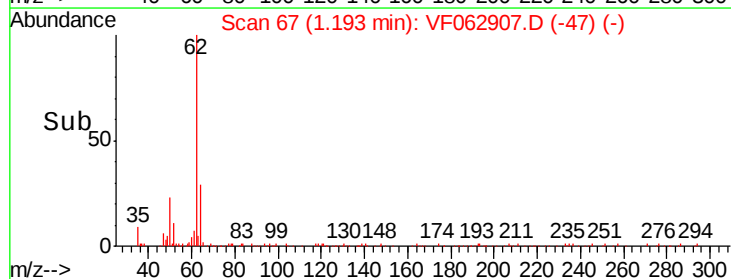
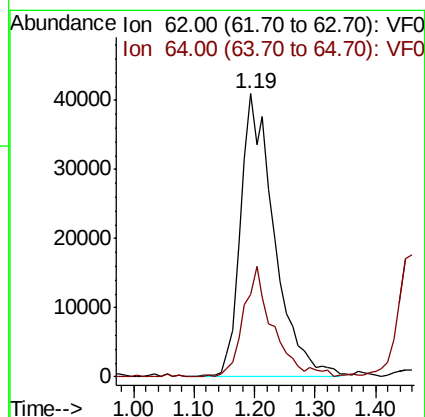
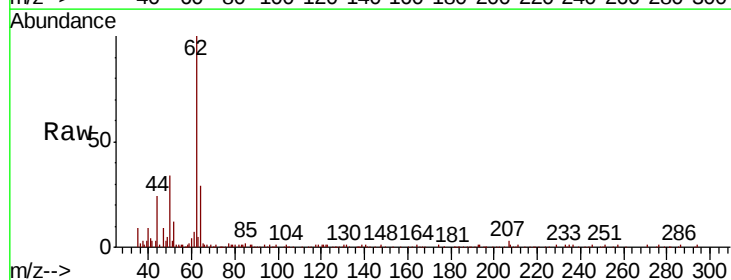
Acq: 10 Jun 2019 15:37

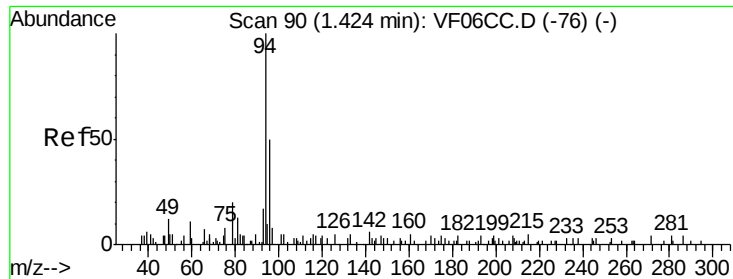
Tgt Ion: 62 Resp: 159025

Ion Ratio Lower Upper

62 100

64 29.0 26.2 39.2





#5

Bromomethane

Concen: 17.862 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

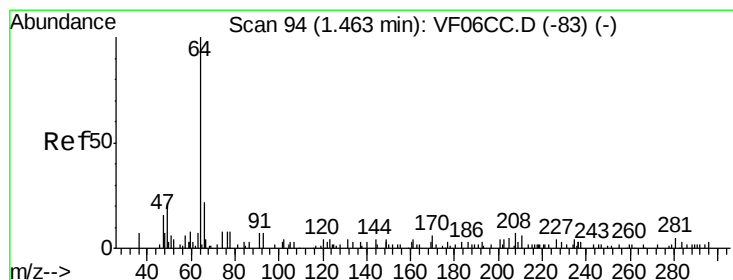
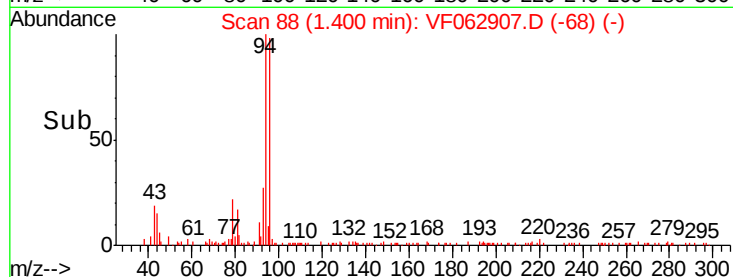
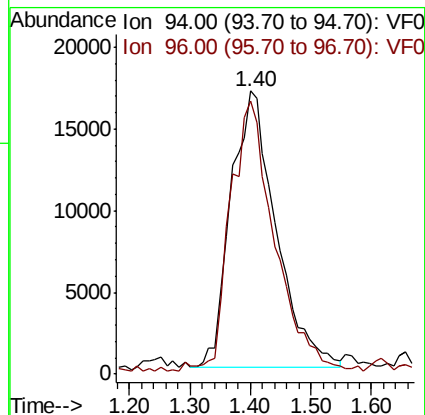
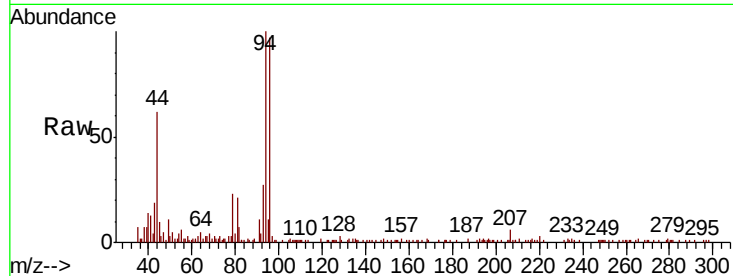
VF0610SBS01

Tot Ion: 94 Resp: 87899

Ion Ratio Lower Upper

94 100

96 96.6 73.8 110.6



#6

Chloroethane

Concen: 17.575 ug/l

RT: 1.46 min Scan# 94

Delta R.T. -0.01 min

Lab File: VF062907.D

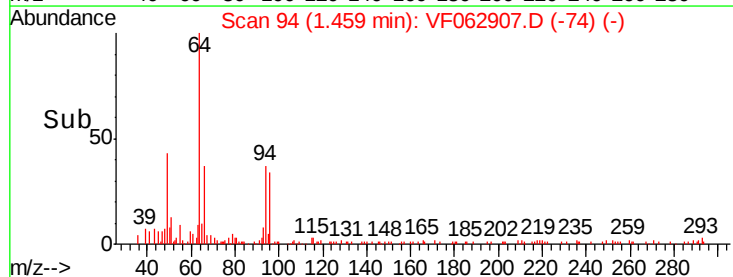
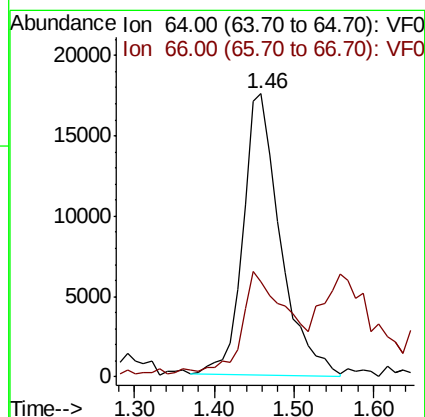
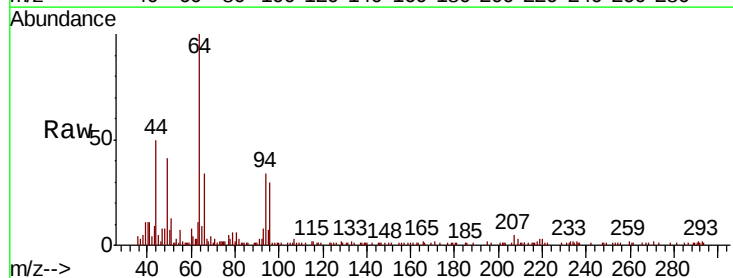
Acq: 10 Jun 2019 15:37

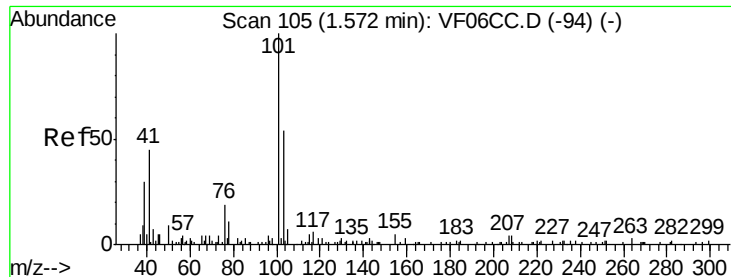
Tgt Ion: 64 Resp: 56701

Ion Ratio Lower Upper

64 100

66 33.6 31.0 46.4



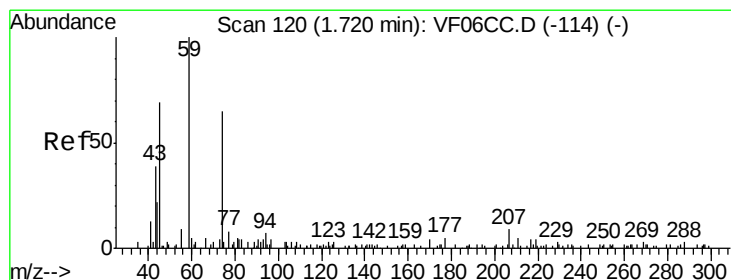
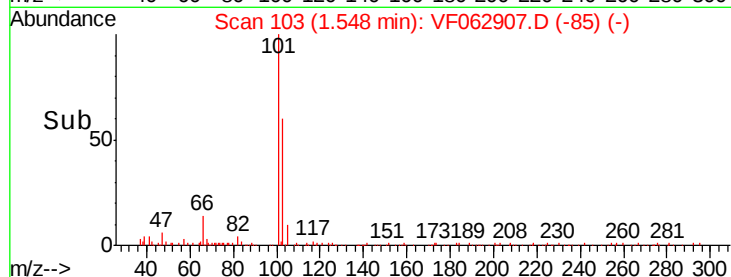
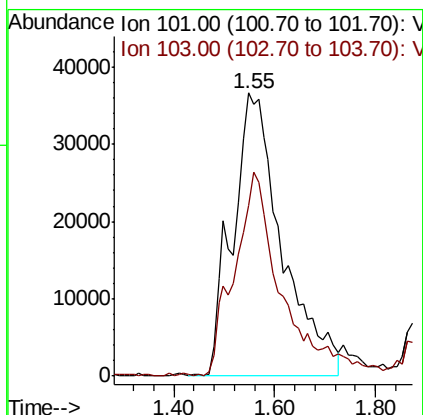
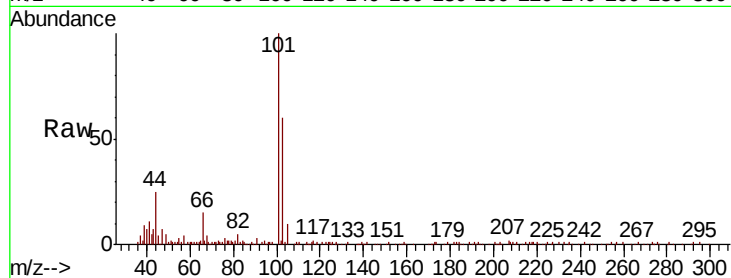


#7

Trichlorofluoromethane
Concen: 20.439 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.03 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

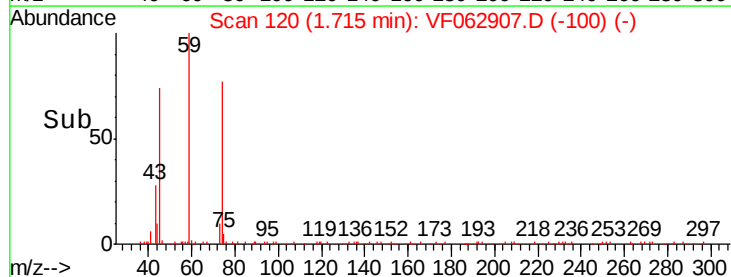
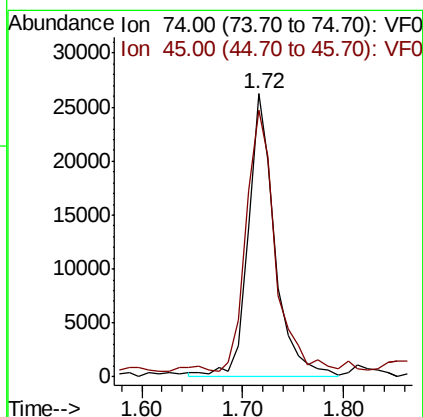
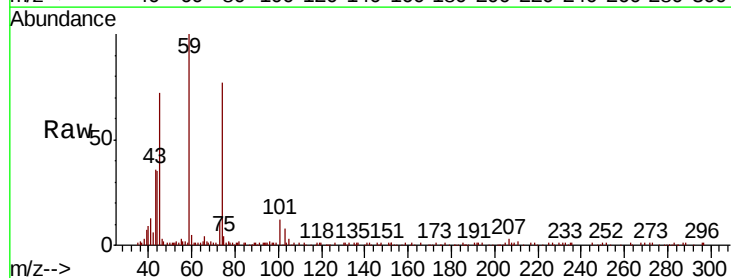
Tot Ion:101 Resp: 249680
Ion Ratio Lower Upper
101 100
103 60.3 54.6 82.0

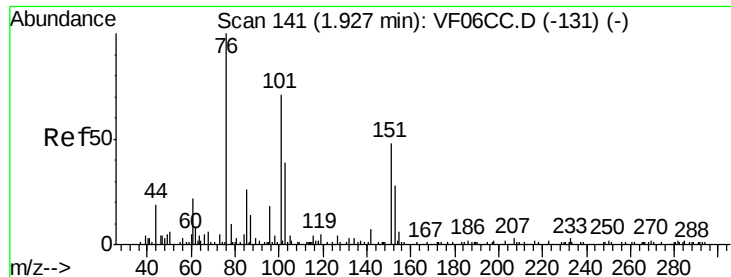


#8

Diethyl Ether
Concen: 20.178 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion: 74 Resp: 48494
Ion Ratio Lower Upper
74 100
45 94.3 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.129 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

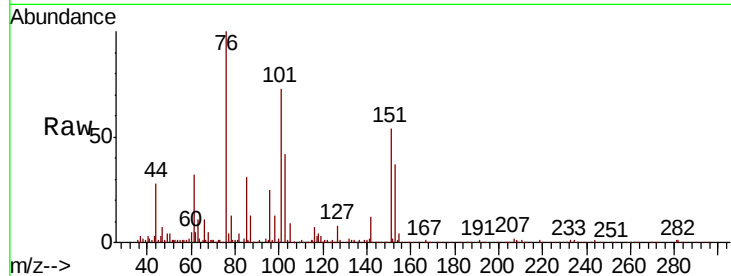
Tot Ion:101 Resp: 154594

Ion Ratio Lower Upper

101 100

85 42.1 37.1 55.7

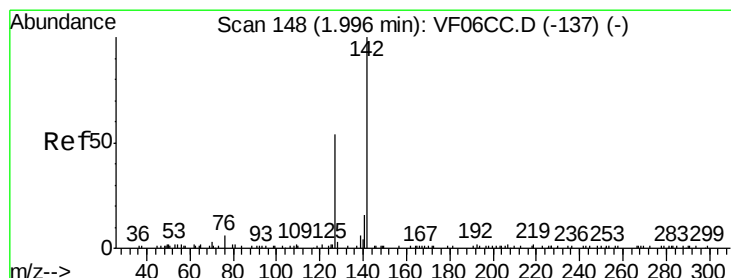
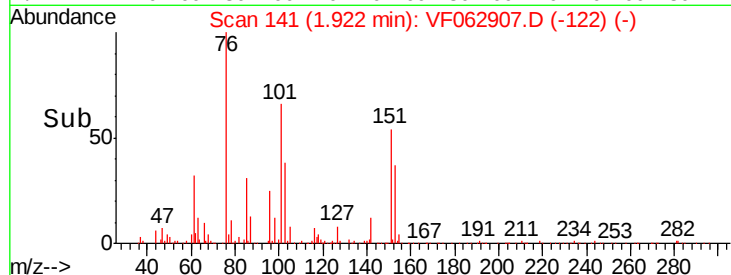
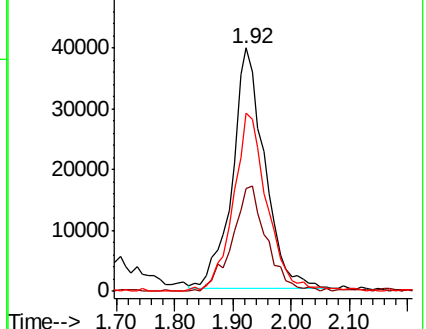
151 73.2 60.3 90.5



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: 16.131 ug/l

RT: 2.00 min Scan# 149

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

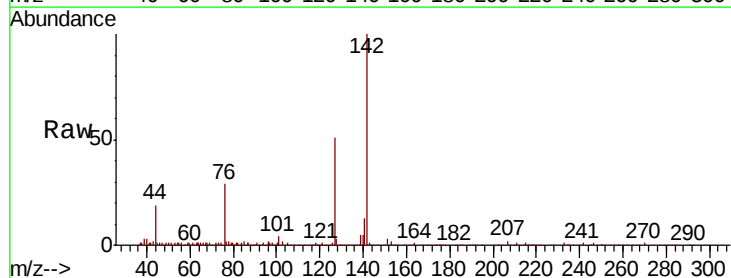
Tgt Ion:142 Resp: 248395

Ion Ratio Lower Upper

142 100

127 50.7 39.4 59.2

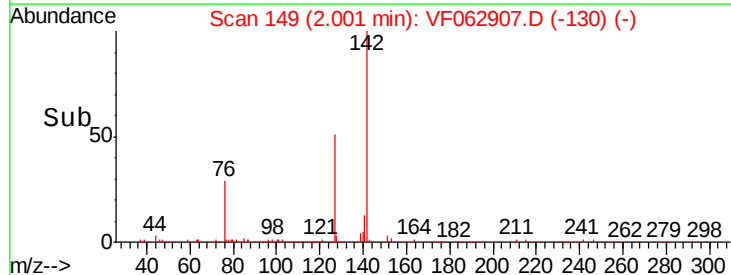
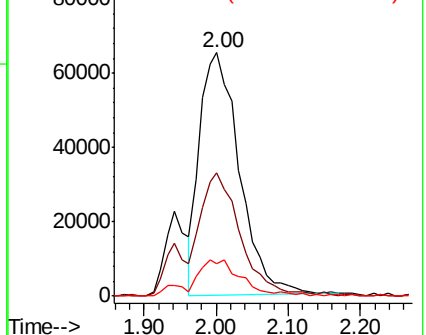
141 13.3 10.6 15.8

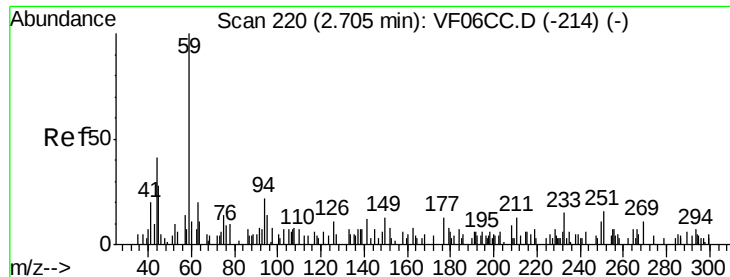


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

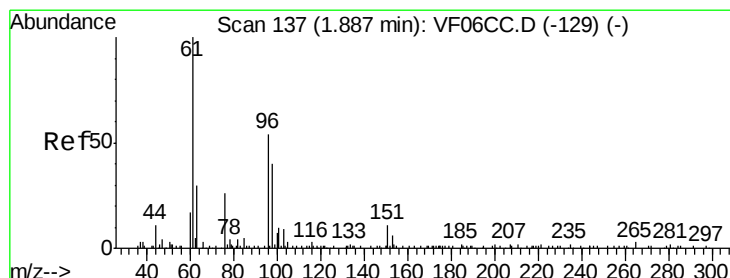
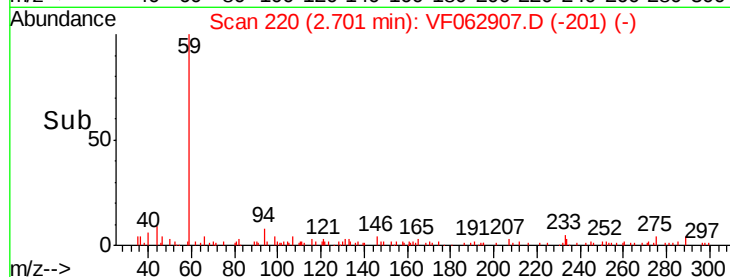
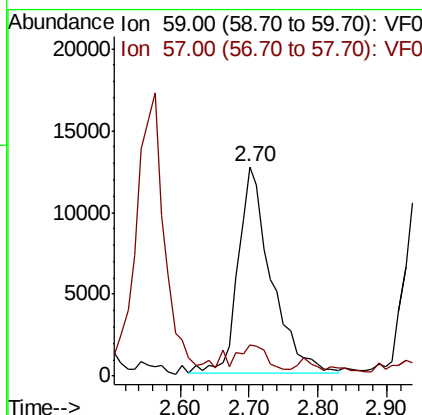
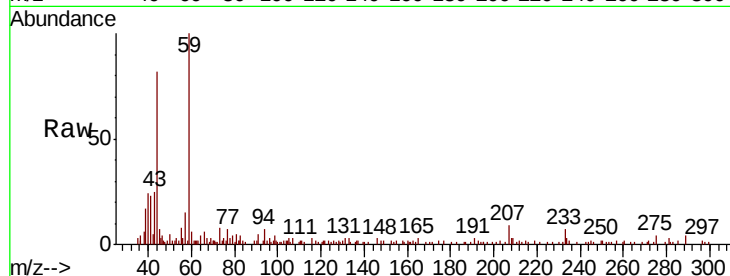




#11
Tert butyl alcohol
Concen: 119.665 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

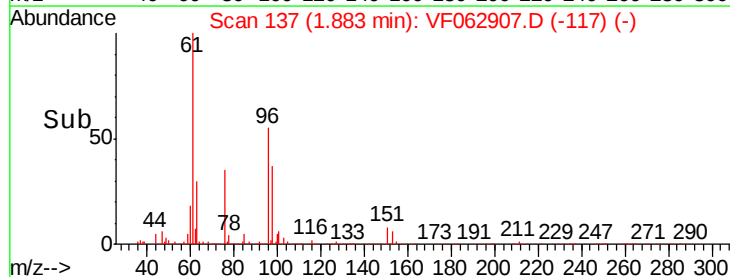
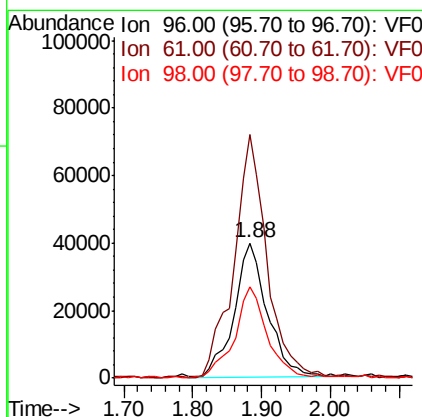
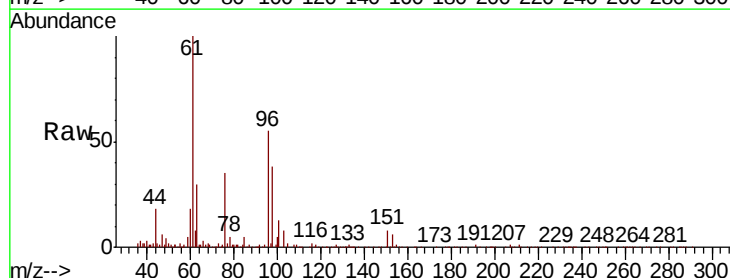
Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

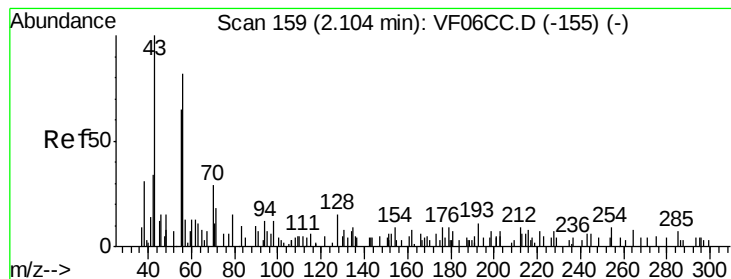
Tot Ion: 59 Resp: 42068
Ion Ratio Lower Upper
59 100
57 15.2 9.2 13.8#



#12
1,1-Dichloroethene
Concen: 19.309 ug/l
RT: 1.88 min Scan# 137
Delta R.T. -0.01 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion: 96 Resp: 134654
Ion Ratio Lower Upper
96 100
61 180.2 139.4 209.2
98 67.8 50.3 75.5





#13

Acrolein

Concen: 74.931 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

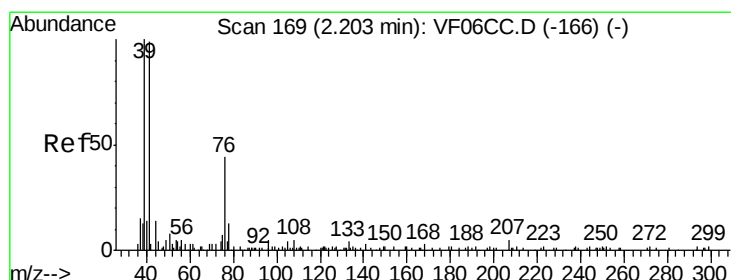
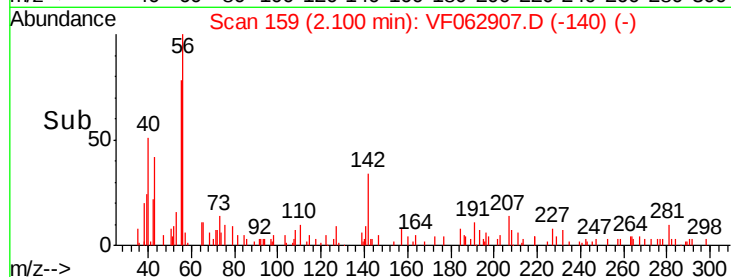
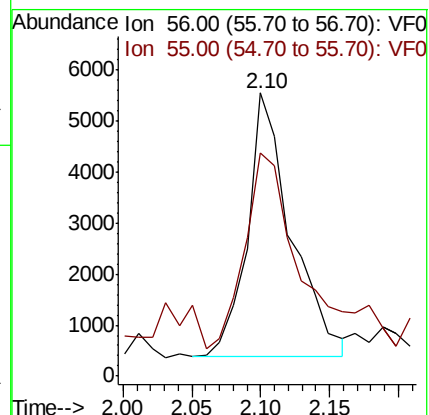
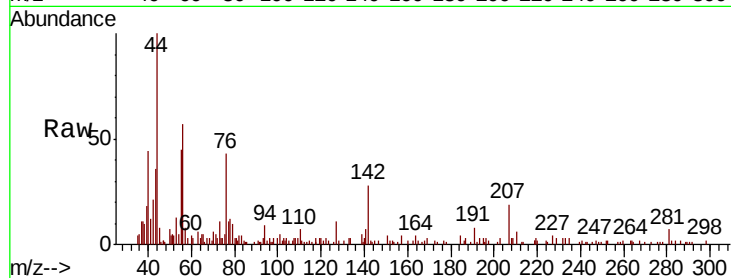
VF0610SBS01

Tot Ion: 56 Resp: 11328

Ion Ratio Lower Upper

56 100

55 79.1 52.9 79.3



#14

Allyl chloride

Concen: 18.180 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

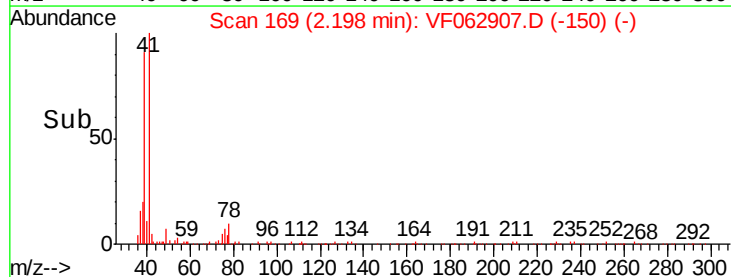
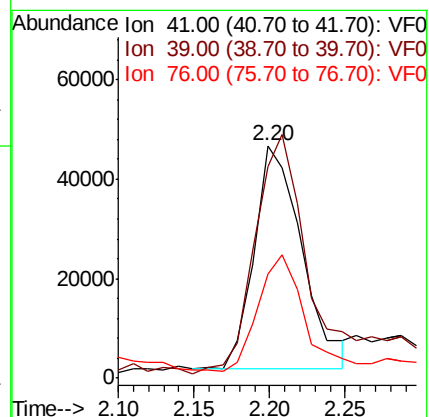
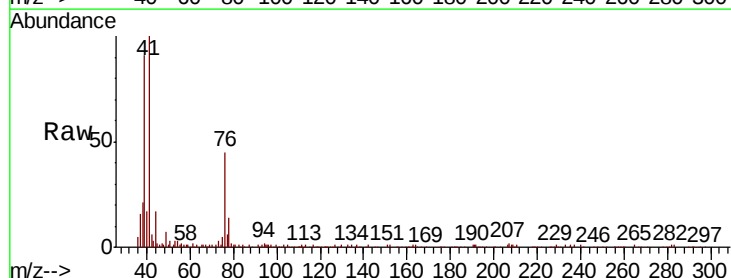
Tgt Ion: 41 Resp: 98360

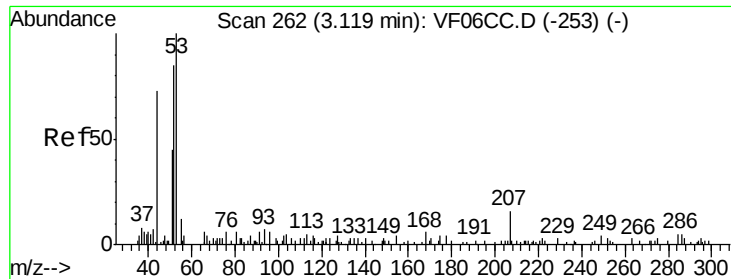
Ion Ratio Lower Upper

41 100

39 90.9 71.9 107.9

76 44.6 39.6 59.4

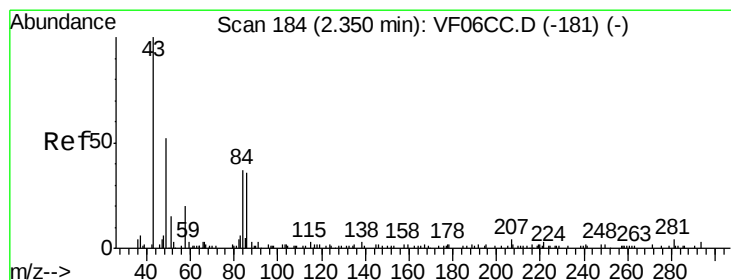
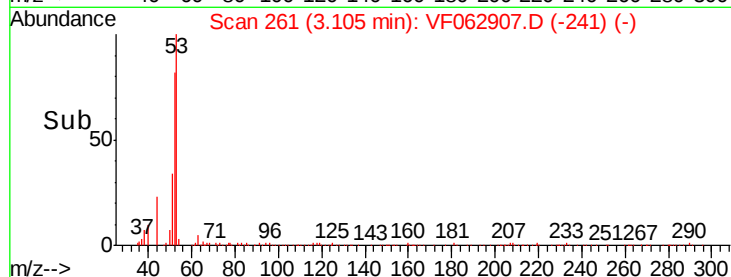
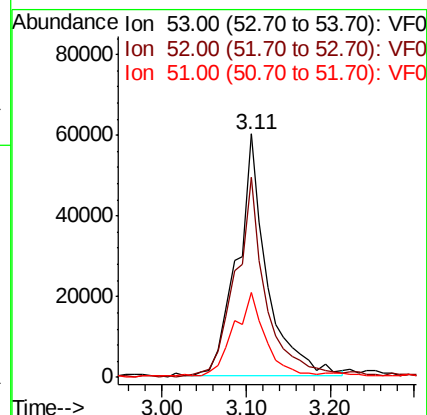
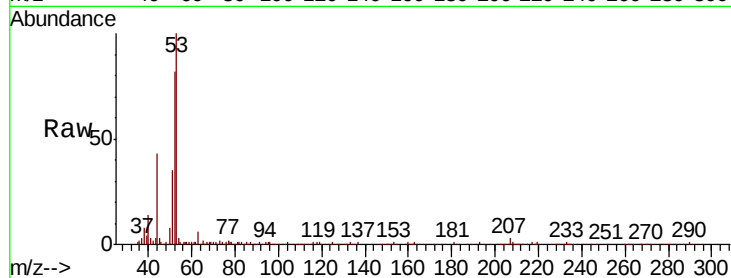




#15
 Acrylonitrile
 Concen: 110.513 ug/l
 RT: 3.11 min Scan# 261
 Delta R.T. -0.01 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

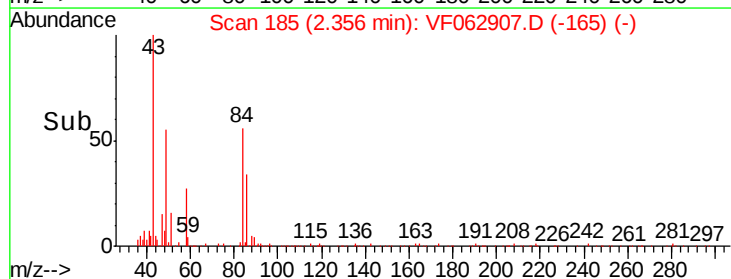
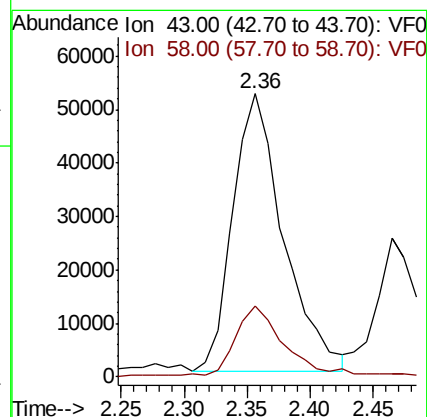
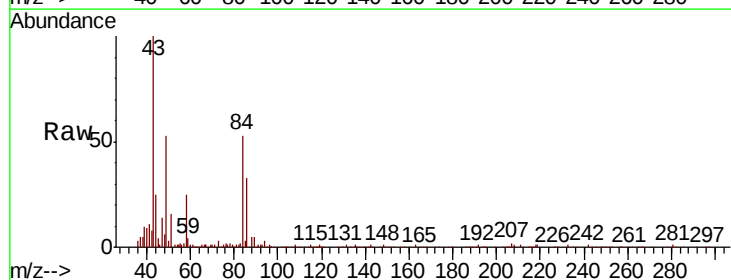
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBS01

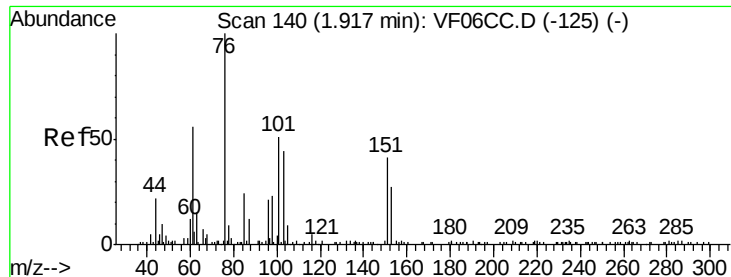
Tot Ion: 53 Resp: 145984
 Ion Ratio Lower Upper
 53 100
 52 82.2 68.1 102.1
 51 34.9 27.7 41.5



#16
 Acetone
 Concen: 108.206 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Tgt Ion: 43 Resp: 143719
 Ion Ratio Lower Upper
 43 100
 58 25.2 19.0 28.4

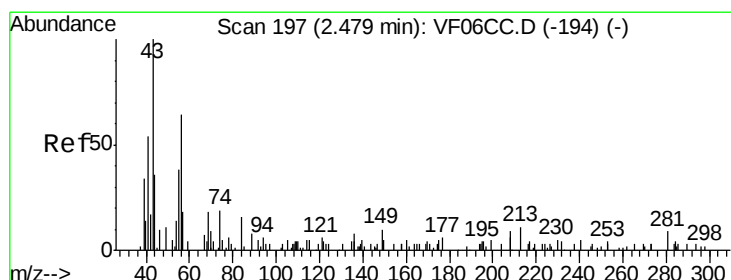
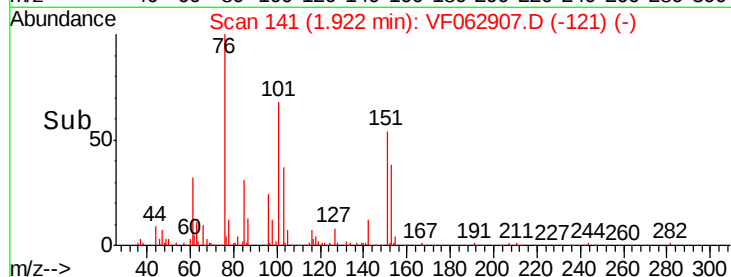
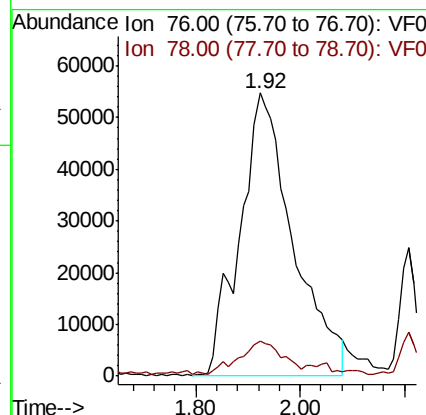
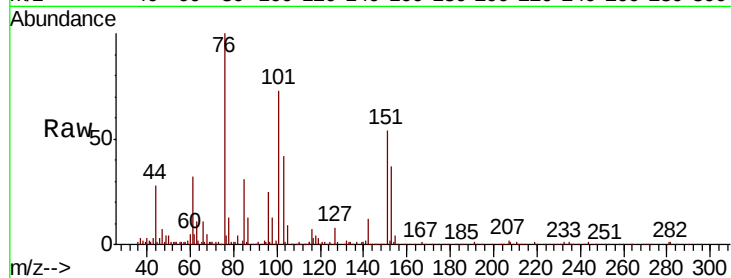




#17
Carbon Disulfide
Concen: 18.678 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

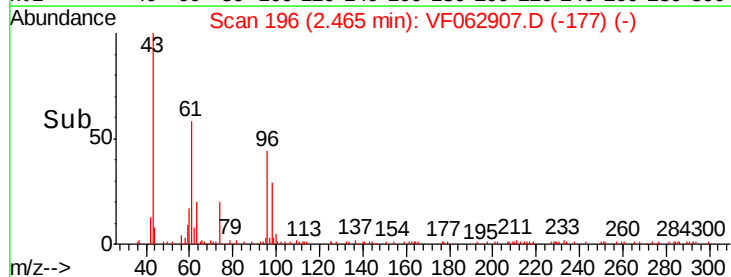
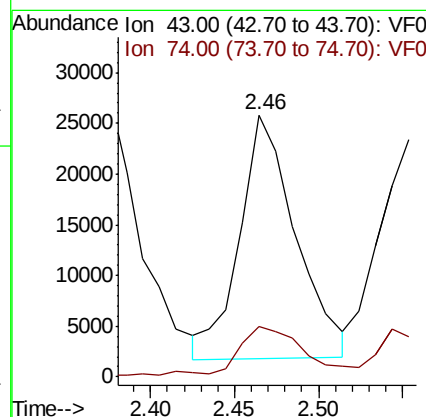
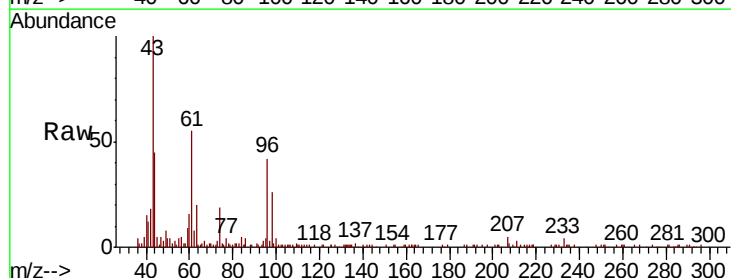
Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

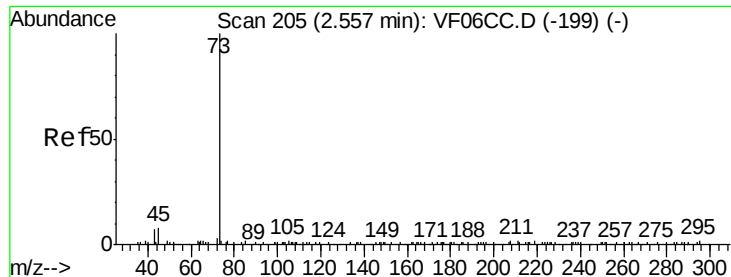
Tot Ion: 76 Resp: 380712
Ion Ratio Lower Upper
76 100
78 12.6 9.4 14.2



#18
Methyl Acetate
Concen: 23.925 ug/l
RT: 2.46 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion: 43 Resp: 55531
Ion Ratio Lower Upper
43 100
74 19.5 22.1 33.1#



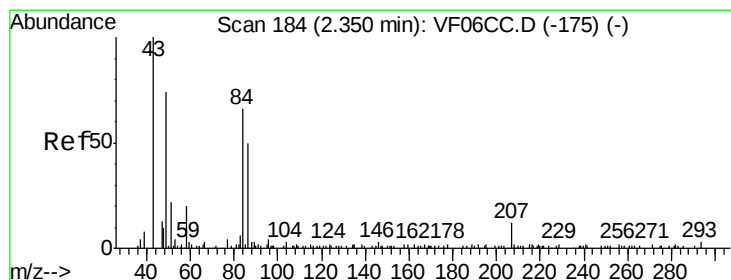
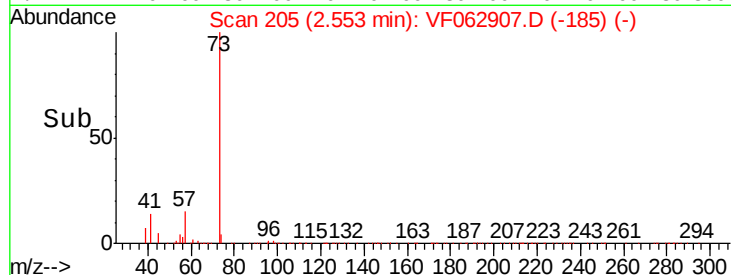
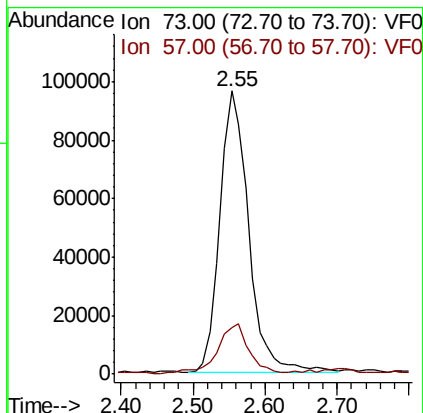
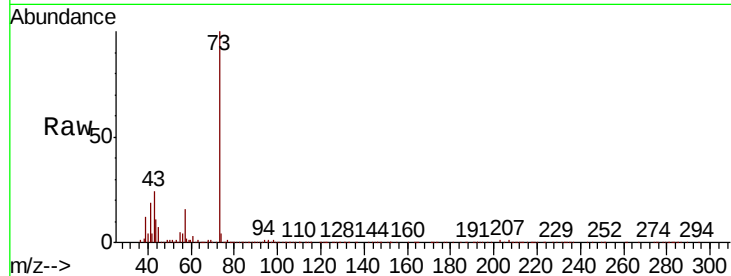


#19

Methyl tert-butyl Ether
 Concen: 21.067 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. -0.01 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBS01

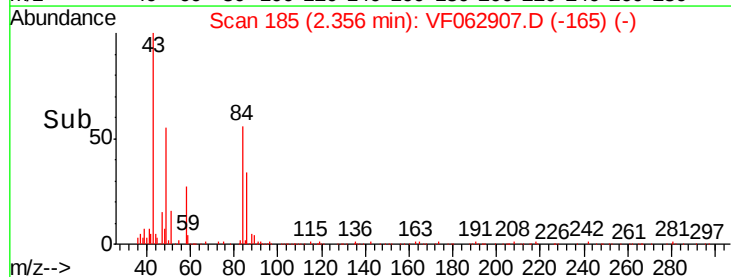
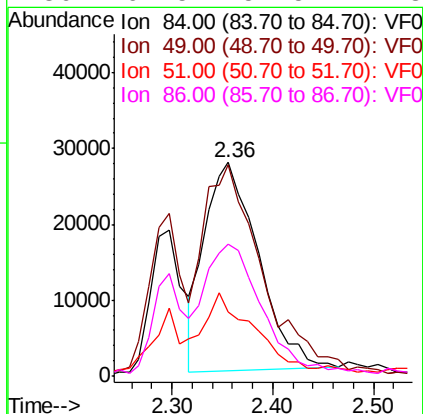
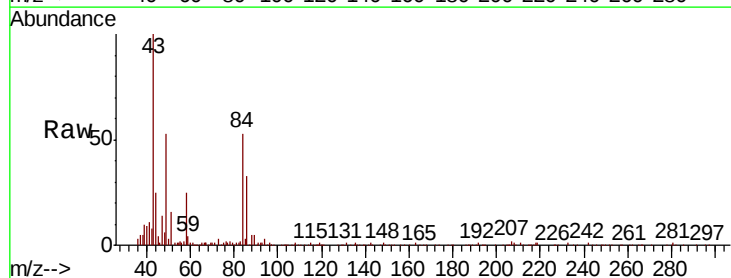
Tot Ion: 73 Resp: 266177
 Ion Ratio Lower Upper
 73 100
 57 16.3 15.1 22.7

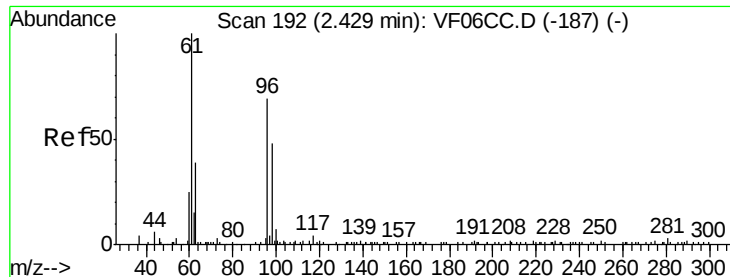


#20

Methylene Chloride
 Concen: 13.124 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Tgt Ion: 84 Resp: 101940
 Ion Ratio Lower Upper
 84 100
 49 99.2 82.6 123.8
 51 30.1 25.0 37.4
 86 61.5 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 20.285 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

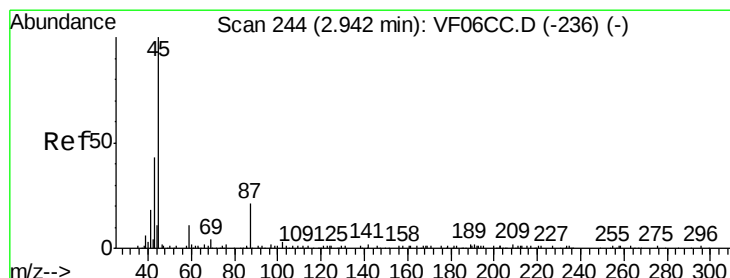
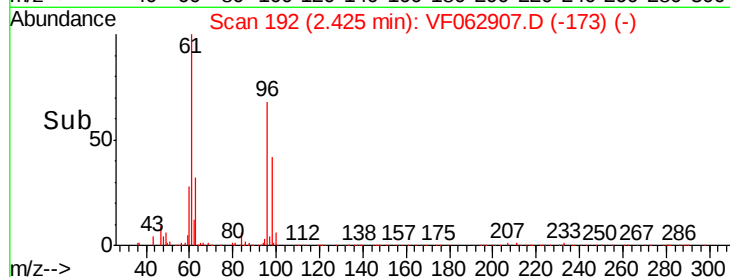
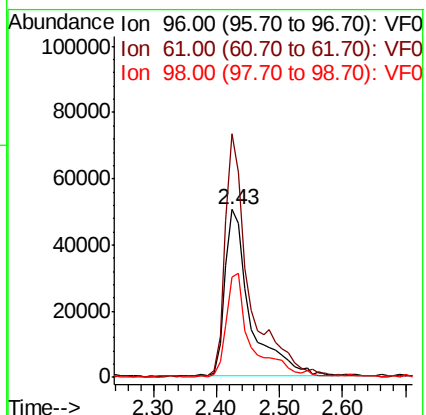
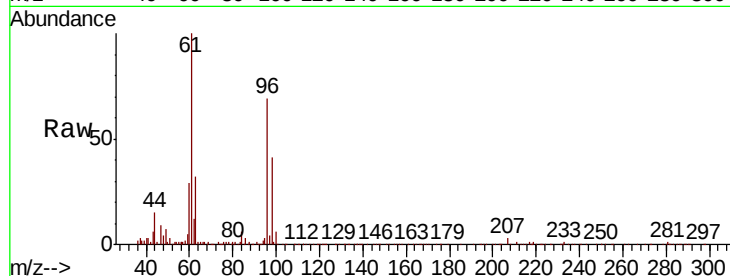
Tot Ion: 96 Resp: 141837

Ion Ratio Lower Upper

96 100

61 145.0 105.0 157.6

98 60.0 51.1 76.7



#22

Diisopropyl ether

Concen: 19.024 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.01 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Tgt Ion: 45 Resp: 292417

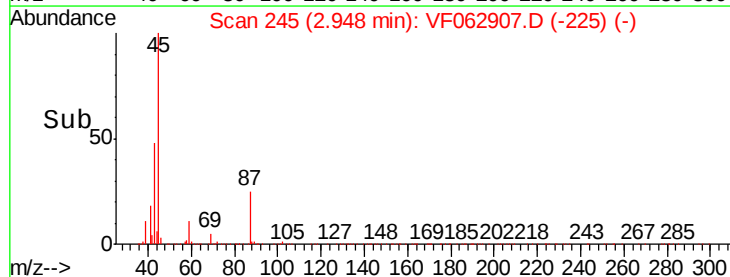
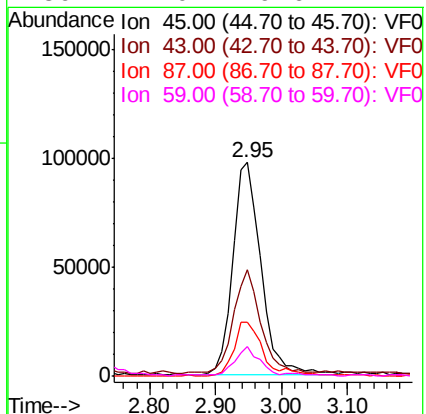
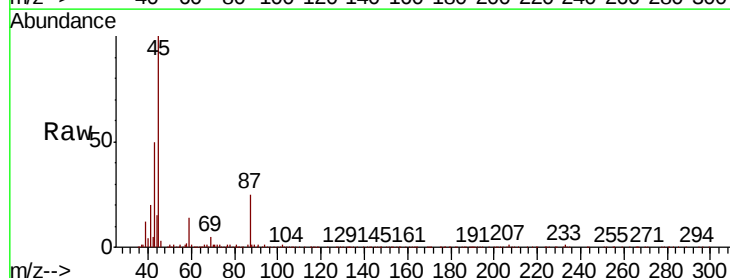
Ion Ratio Lower Upper

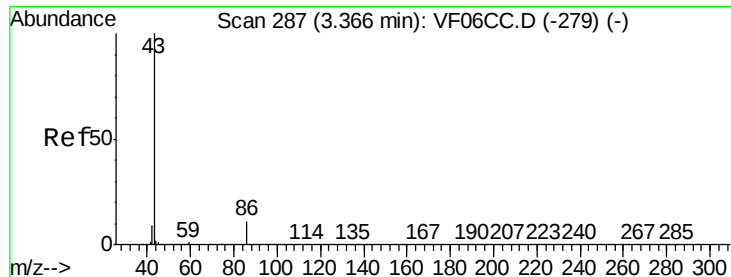
45 100

43 50.0 34.3 51.5

87 25.2 19.0 28.4

59 14.0 9.6 14.4





#23

Vinyl Acetate

Concen: 110.593 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

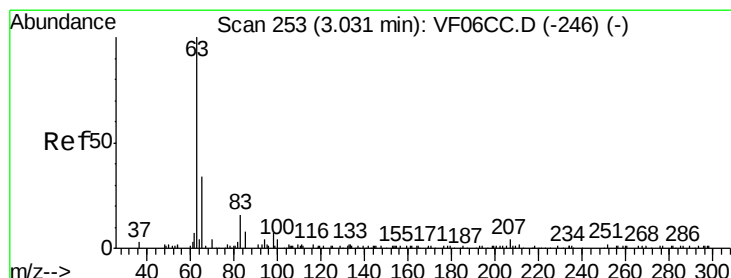
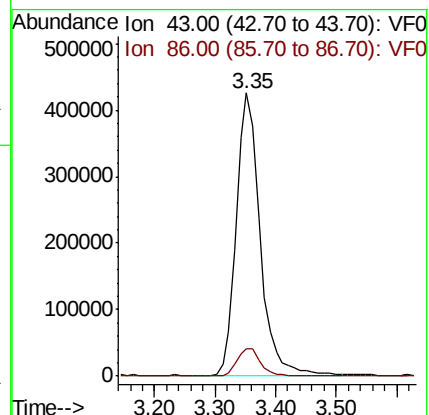
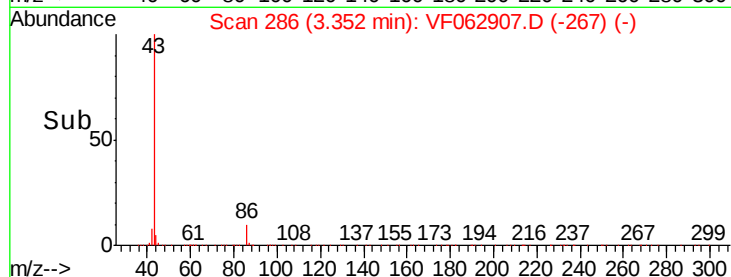
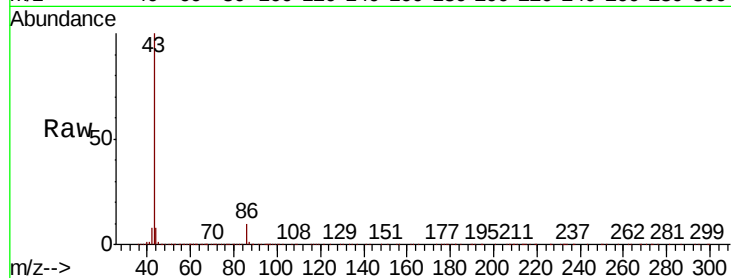
VF0610SBS01

Tot Ion: 43 Resp: 1163780

Ion Ratio Lower Upper

43 100

86 9.7 8.2 12.2



#24

1,1-Dichloroethane

Concen: 20.692 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

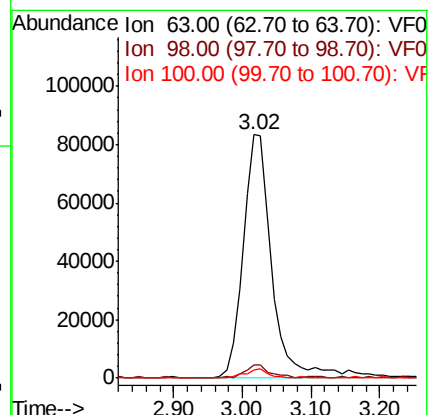
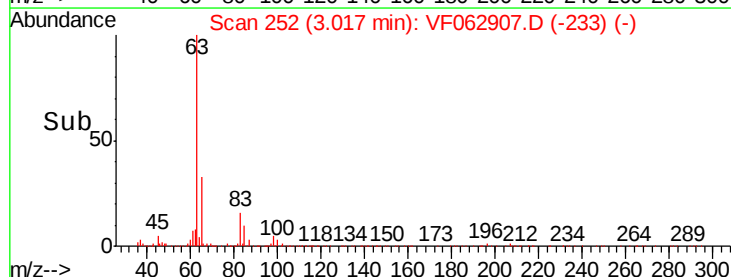
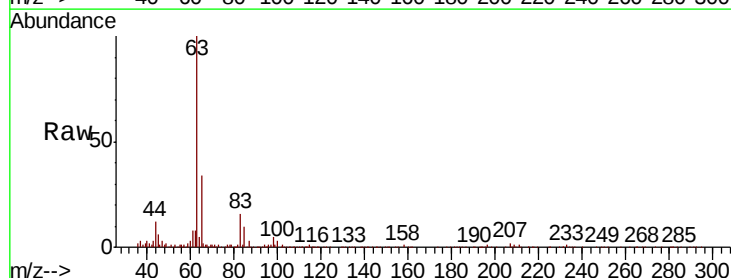
Tgt Ion: 63 Resp: 237470

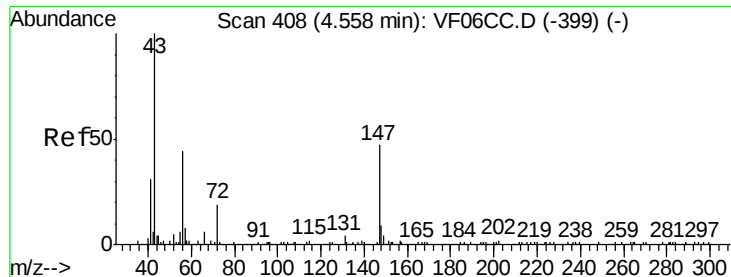
Ion Ratio Lower Upper

63 100

98 5.2 2.4 7.1

100 3.4 1.5 4.5

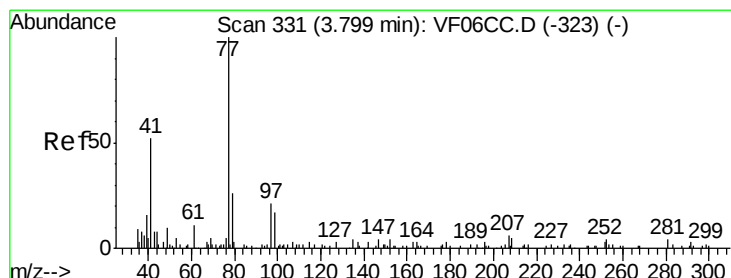
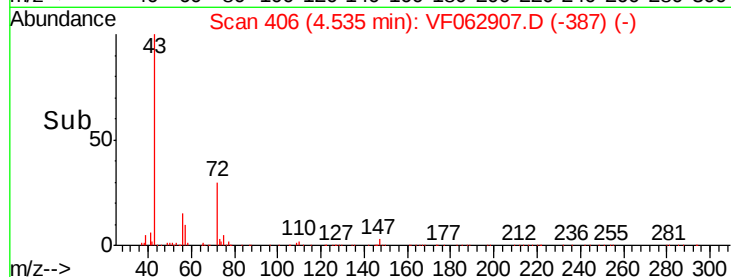
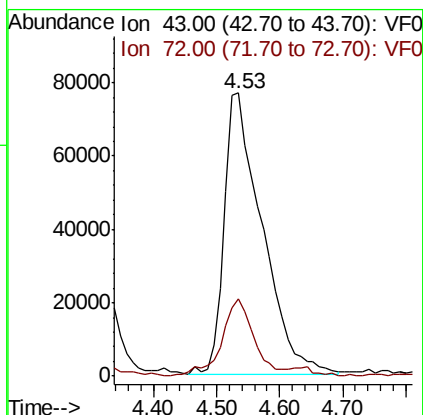
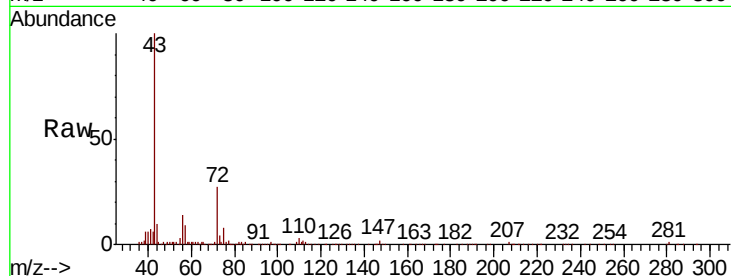




#25
2-Butanone
Concen: 103.329 ug/l
RT: 4.53 min Scan# 406
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

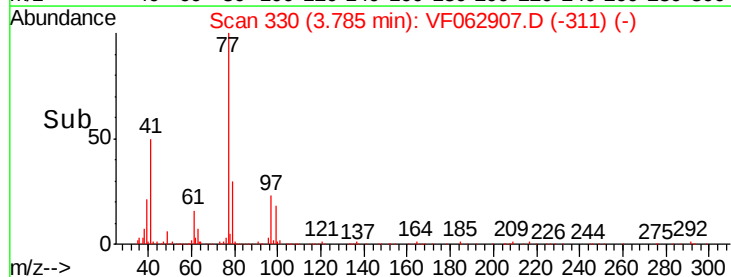
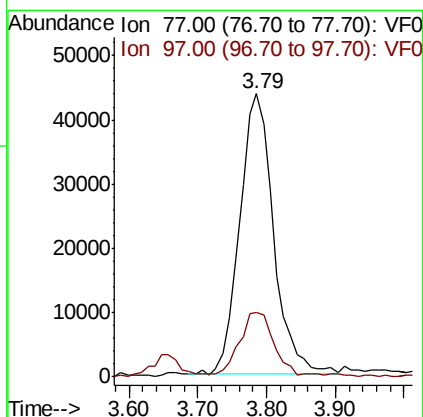
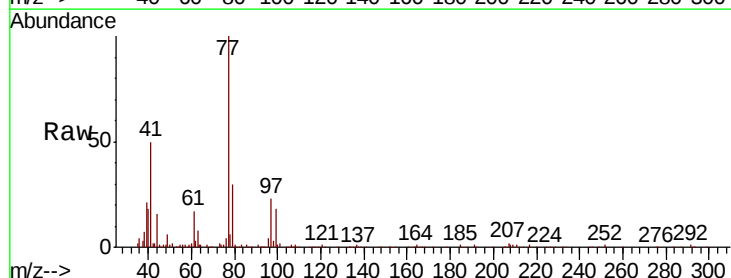
Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

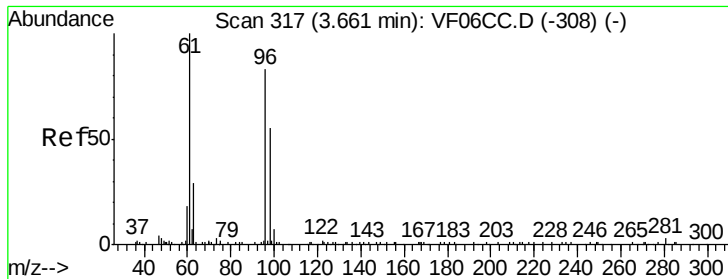
Tot Ion: 43 Resp: 319604
Ion Ratio Lower Upper
43 100
72 27.2 21.4 32.0



#26
2,2-Dichloropropane
Concen: 22.878 ug/l
RT: 3.79 min Scan# 330
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion: 77 Resp: 149082
Ion Ratio Lower Upper
77 100
97 22.7 12.4 37.4



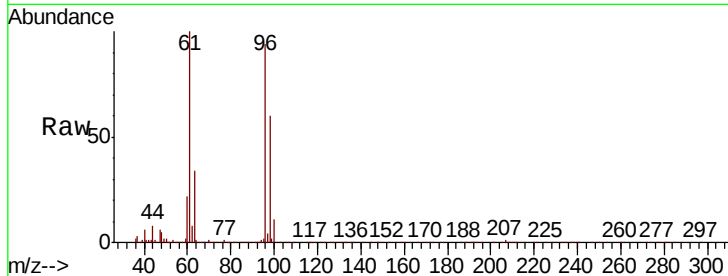


#27

cis-1,2-Dichloroethene
Concen: 21.147 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	106.0	0.0	213.8
98	63.9	0.0	127.0

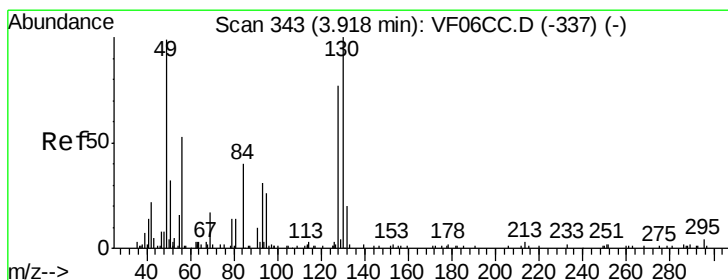
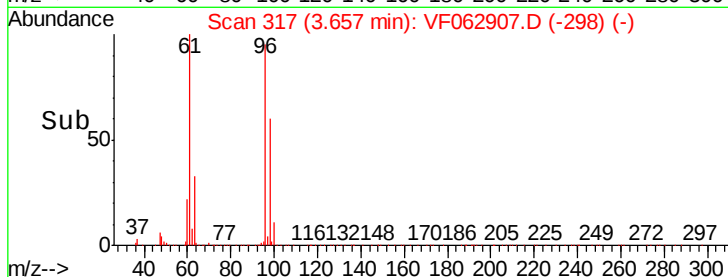
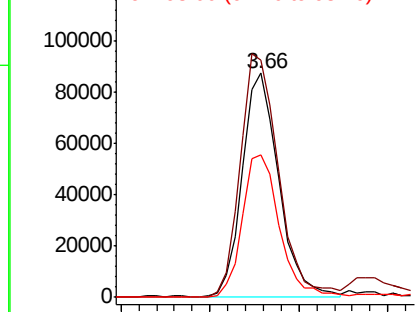


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

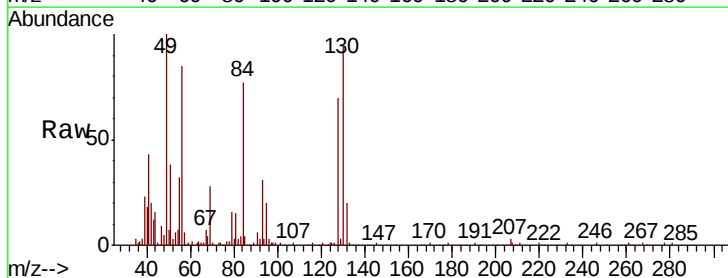
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
Concen: 19.634 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.03 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.4
130	94.3	79.2	118.8

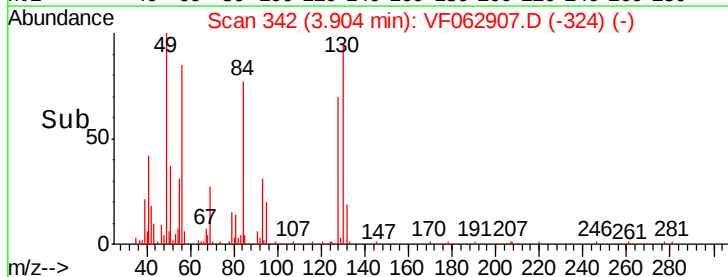
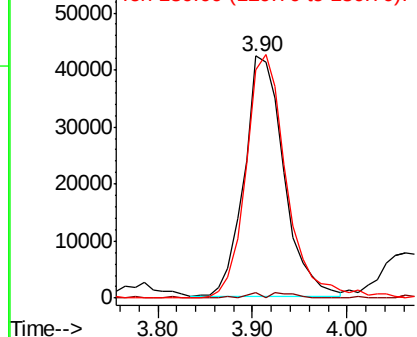


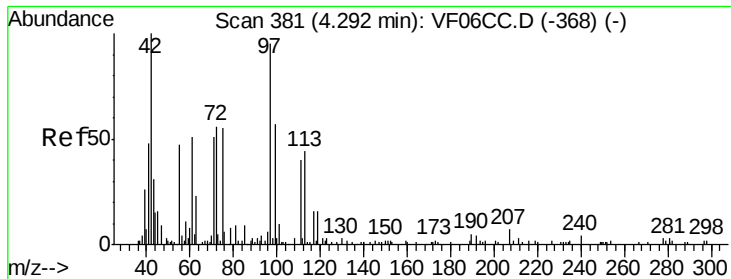
Abundance

Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

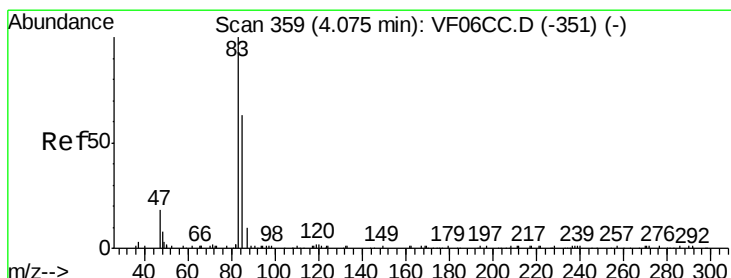
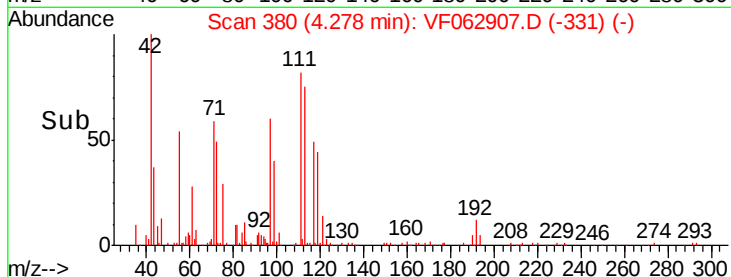
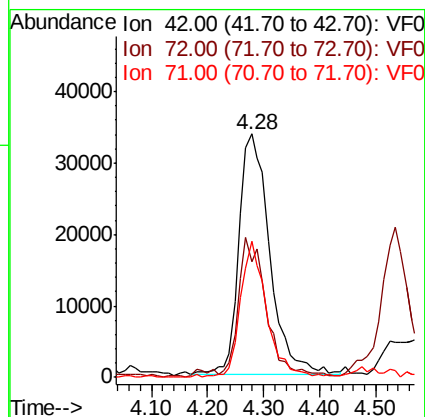
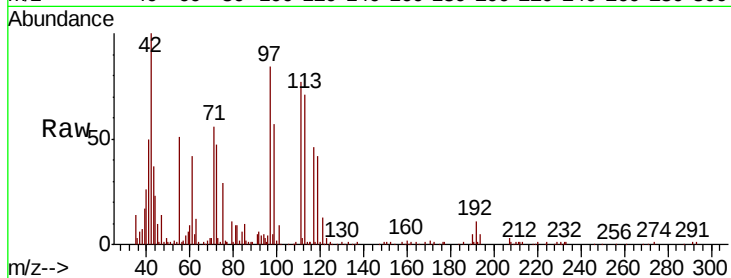




#29
Tetrahydrofuran
Concen: 109.938 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

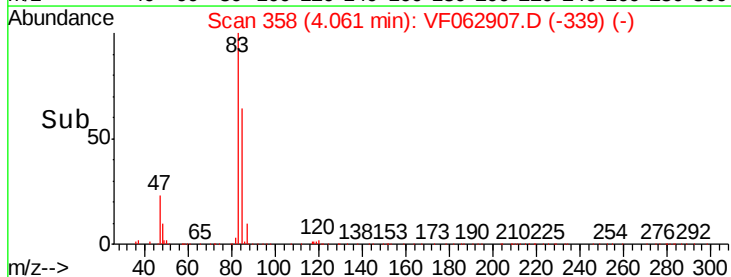
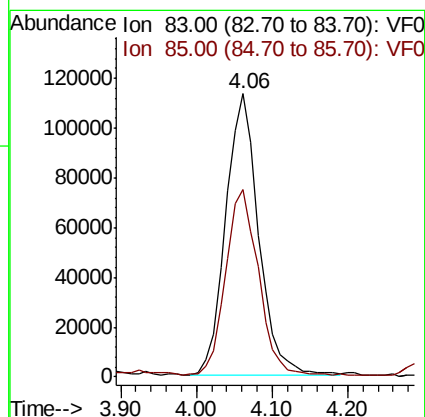
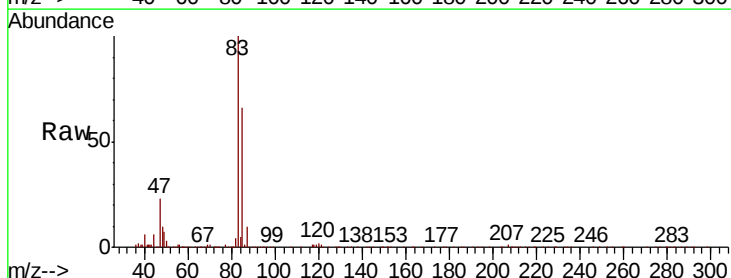
Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

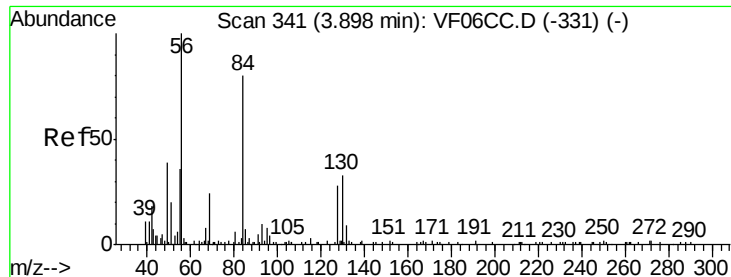
Tot Ion: 42 Resp: 130059
Ion Ratio Lower Upper
42 100
72 49.6 39.0 58.6
71 45.4 36.9 55.3



#30
Chloroform
Concen: 20.987 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion: 83 Resp: 339463
Ion Ratio Lower Upper
83 100
85 66.4 55.0 82.6

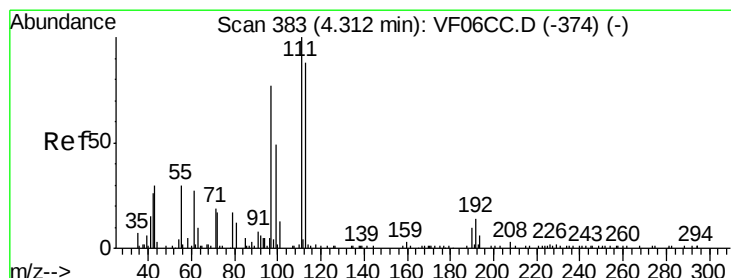
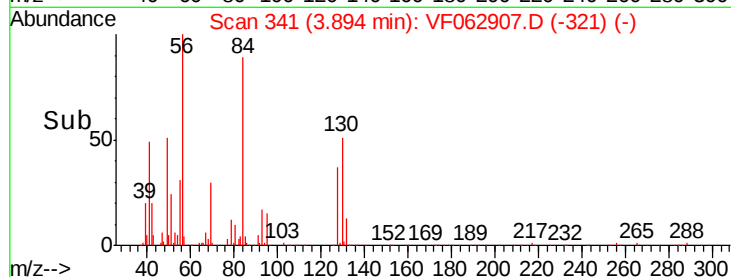
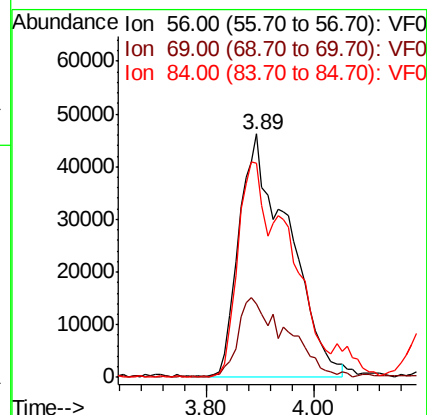
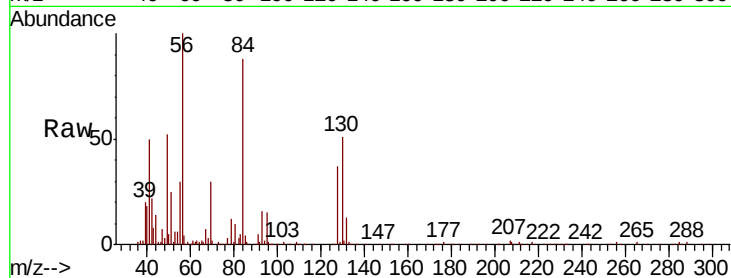




#31
Cyclohexane
Concen: 18.853 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

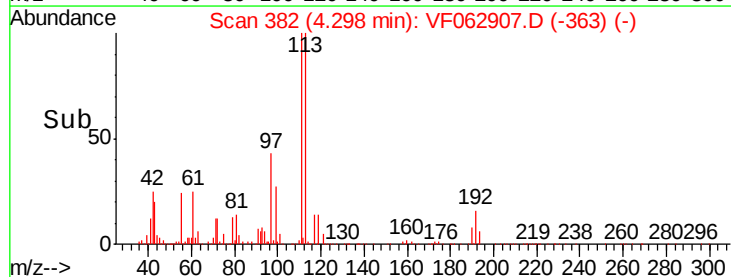
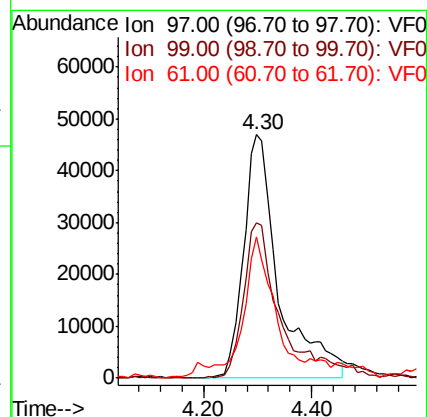
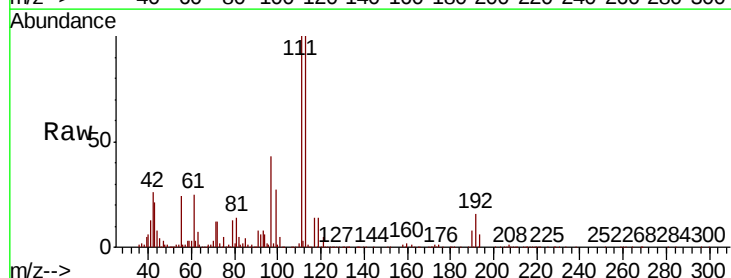
Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

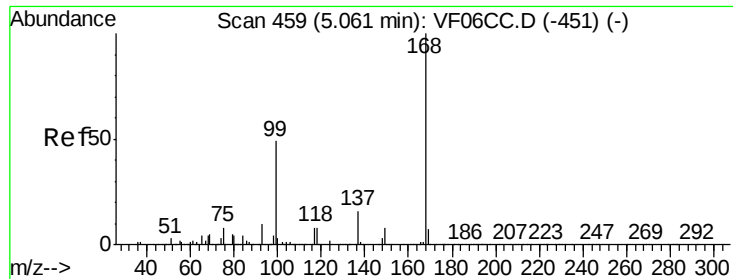
Tot Ion: 56 Resp: 292931
Ion Ratio Lower Upper
56 100
69 30.2 26.7 40.1
84 88.2 74.3 111.5



#32
1,1,1-Trichloroethane
Concen: 22.597 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion: 97 Resp: 212806
Ion Ratio Lower Upper
97 100
99 64.0 51.7 77.5
61 58.1 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 47.967 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

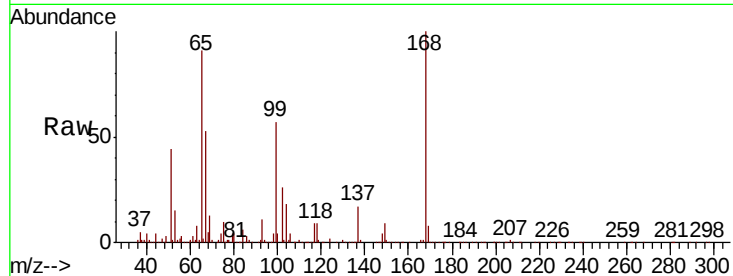
VF0610SBS01

Tot Ion: 65 Resp: 278359

Ion Ratio Lower Upper

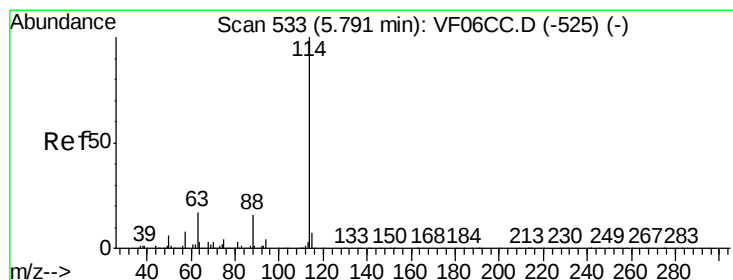
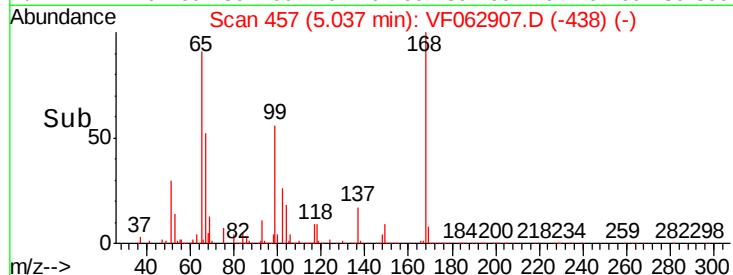
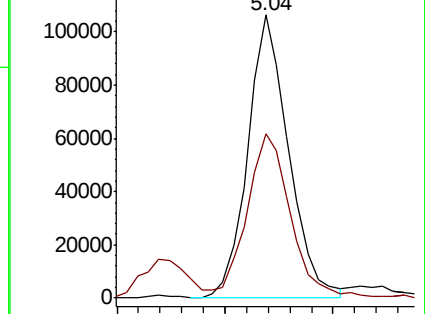
65 100

67 57.9 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: VF062907.D

Acq: 10 Jun 2019 15:37

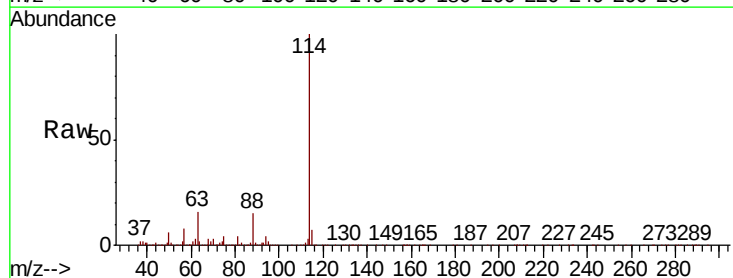
Tgt Ion: 114 Resp: 1381652

Ion Ratio Lower Upper

114 100

63 16.3 0.0 34.2

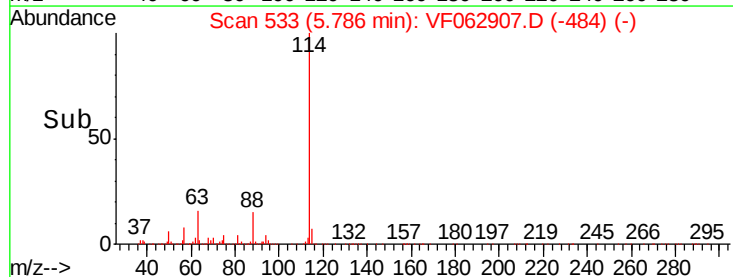
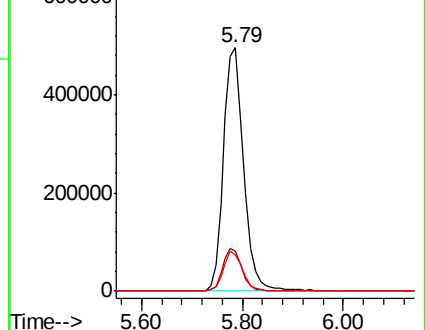
88 15.1 0.0 31.2

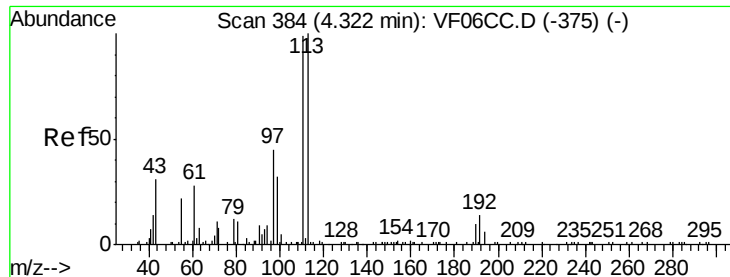


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

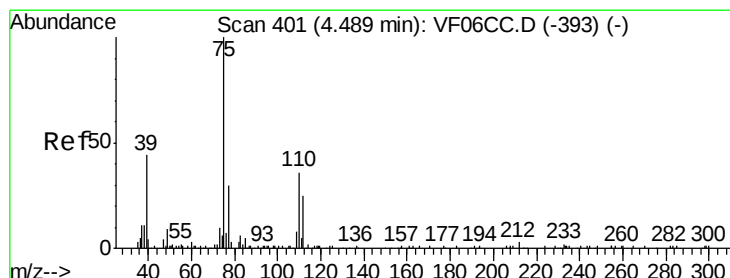
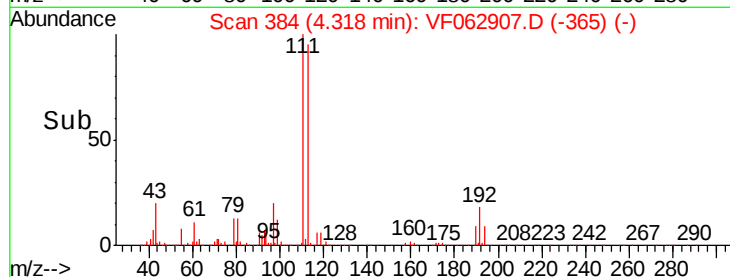
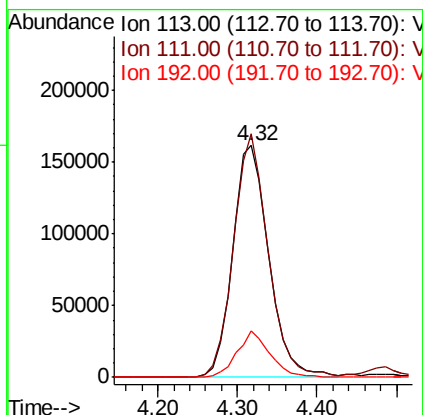
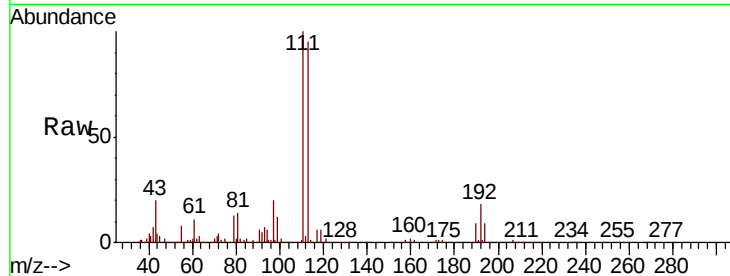




#35
 Dibromofluoromethane
 Concen: 48.827 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

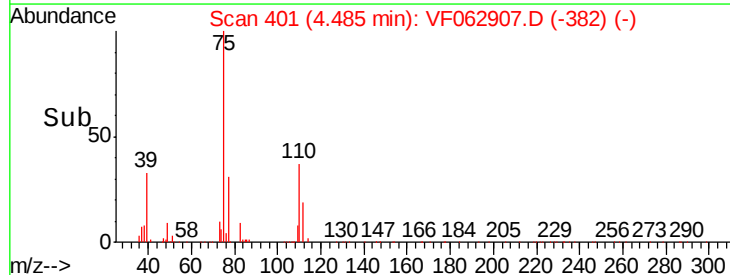
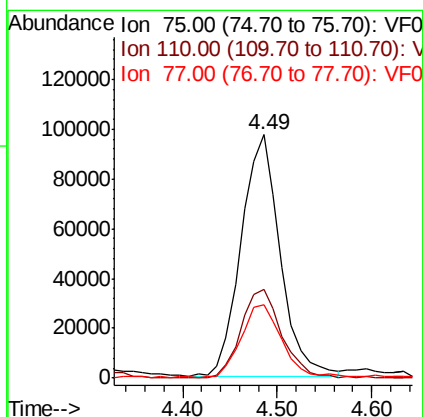
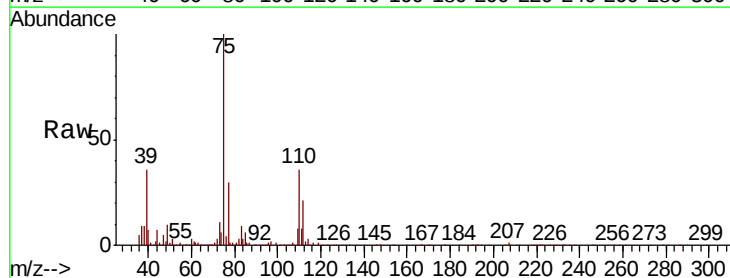
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBS01

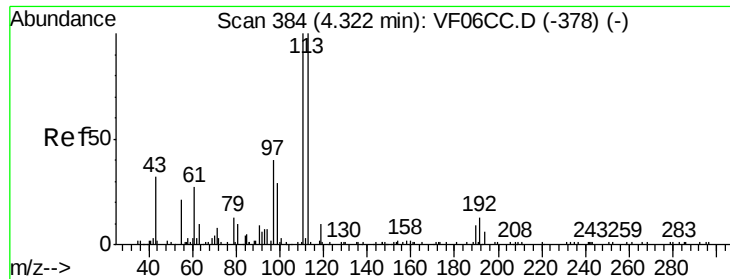
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.9	122.9
192	20.1	15.1	22.7



#36
 1,1-Dichloropropene
 Concen: 21.759 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. -0.02 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	19.4	58.1
77	30.0	25.4	38.2





#37

Ethyl Acetate

Concen: 25.511 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

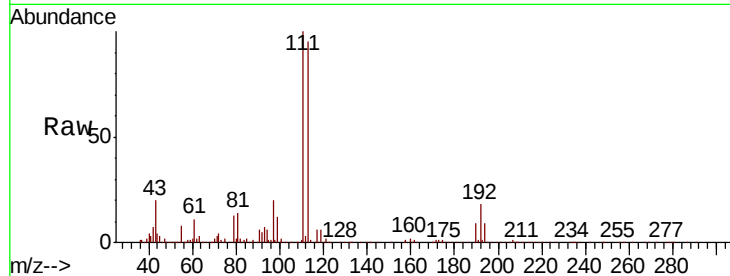
Tot Ion: 43 Resp: 124039

Ion Ratio Lower Upper

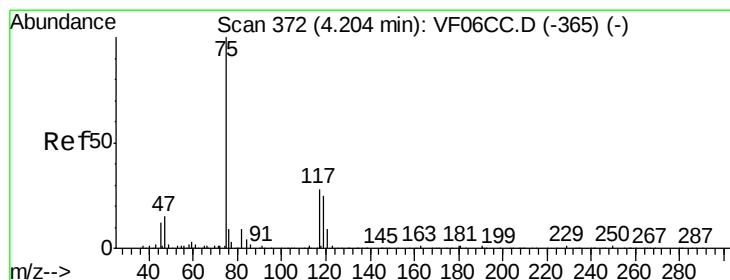
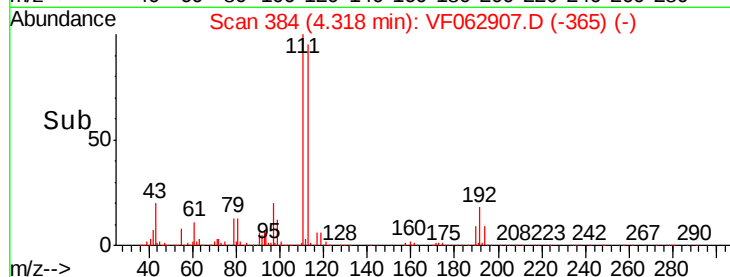
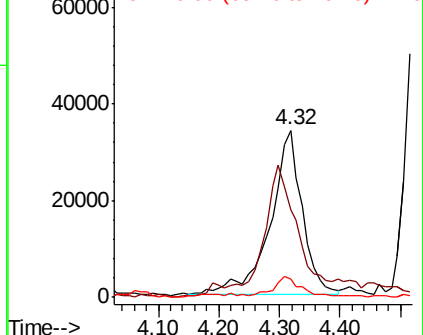
43 100

61 52.5 59.1 88.7#

70 11.1 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 5.214 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.07 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

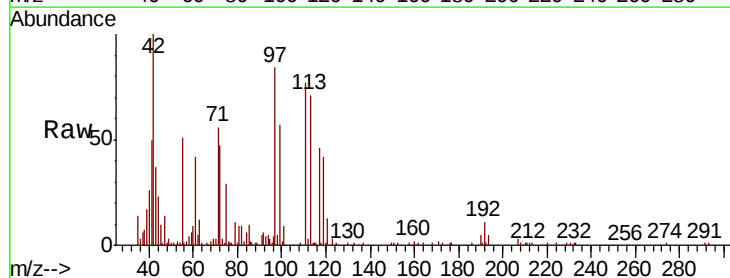
Tgt Ion: 117 Resp: 44822

Ion Ratio Lower Upper

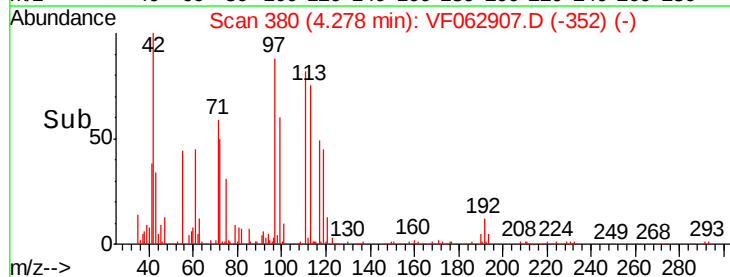
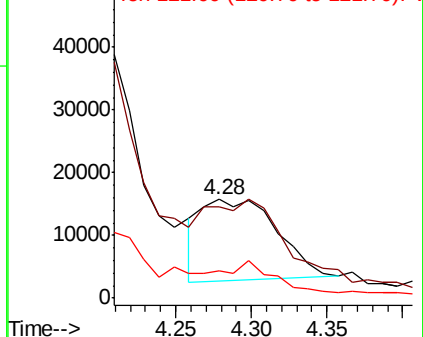
117 100

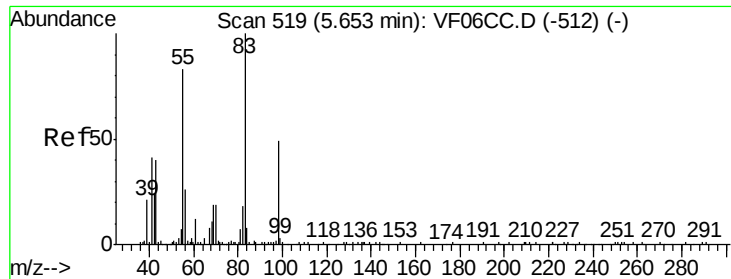
119 91.8 78.2 117.2

121 28.2 28.2 42.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

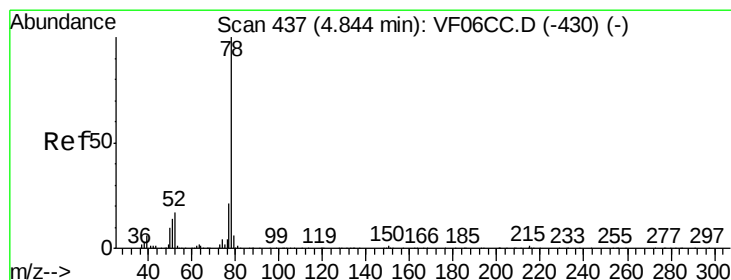
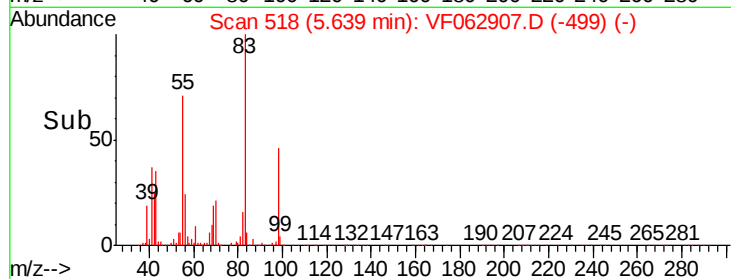
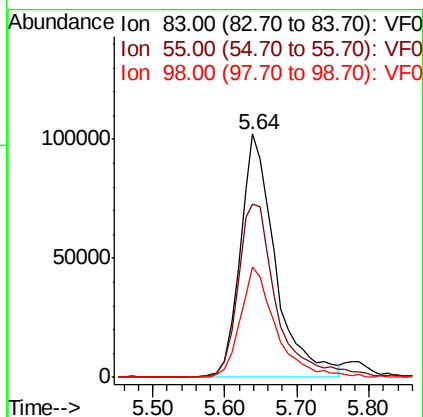
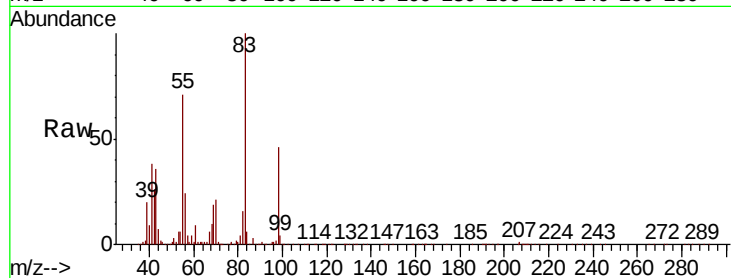




#39
Methvlcvclohexane
Concen: 21.882 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

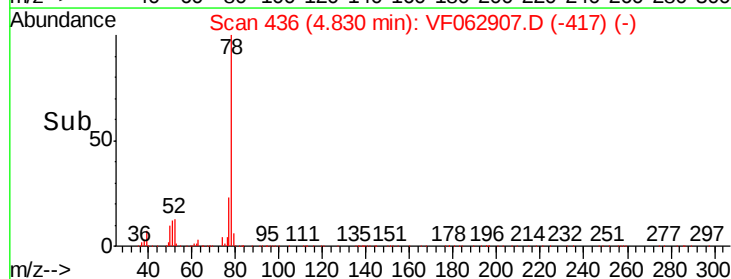
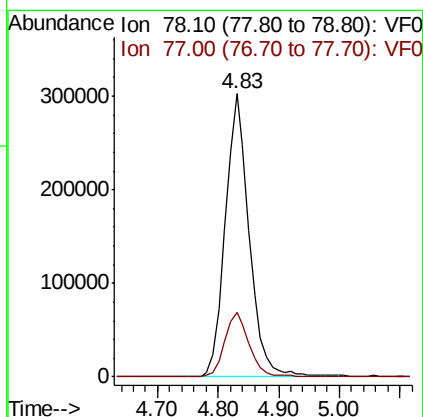
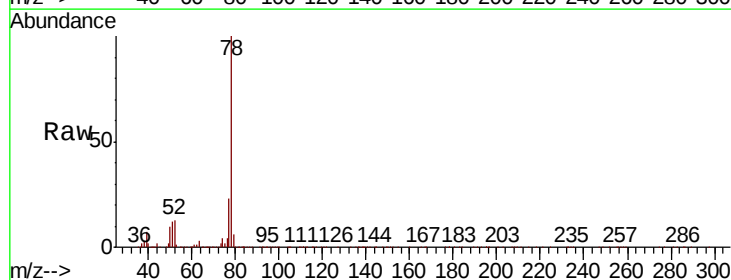
Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

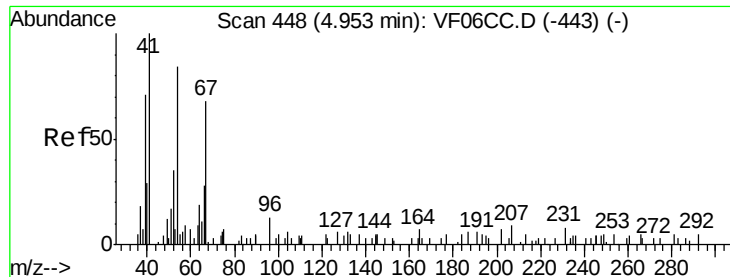
Tot Ion	83	Resp	346407
Ion Ratio	Lower	Upper	
83	100		
55	71.3	61.6	92.4
98	45.6	37.4	56.2



#40
Benzene
Concen: 22.449 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion	78	Resp	831018
Ion Ratio	Lower	Upper	
78	100		
77	22.9	18.9	28.3





#41

Methacrylonitrile

Concen: 21.416 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion: 41 Resp: 57887

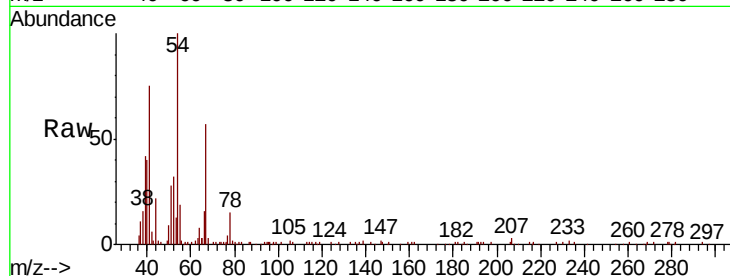
Ion Ratio Lower Upper

41 100

39 55.5 42.0 63.0

67 75.8 61.4 92.0

52 42.9 42.1 63.1

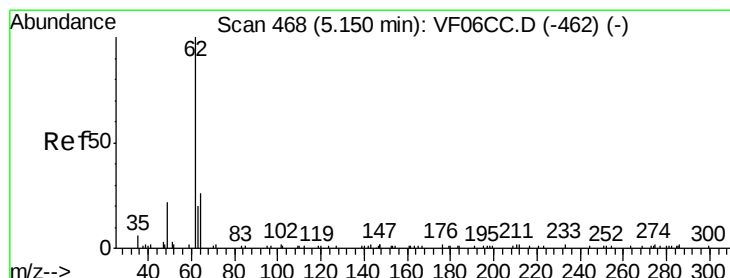
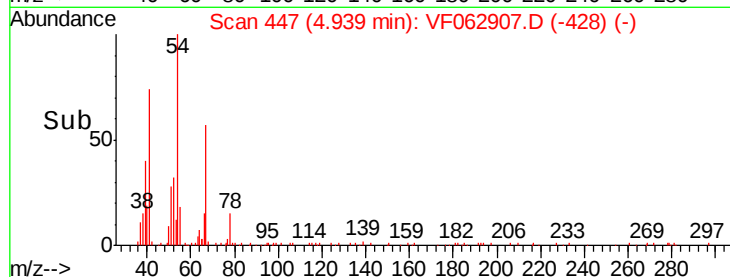
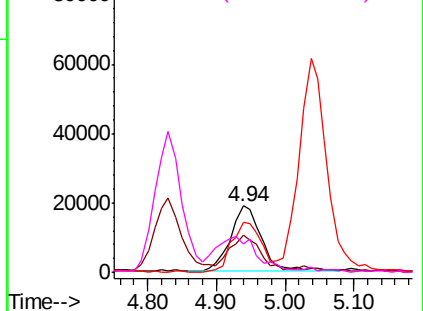


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 22.329 ug/l

RT: 5.14 min Scan# 467

Delta R.T. -0.02 min

Lab File: VF062907.D

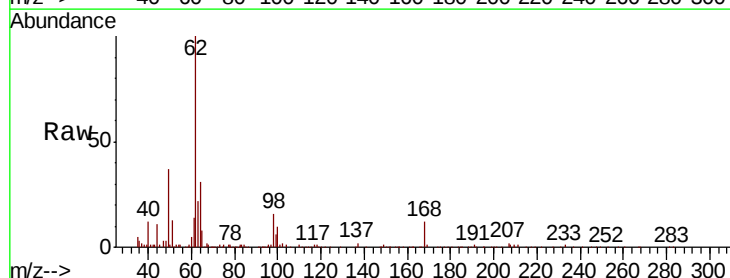
Acq: 10 Jun 2019 15:37

Tgt Ion: 62 Resp: 157206

Ion Ratio Lower Upper

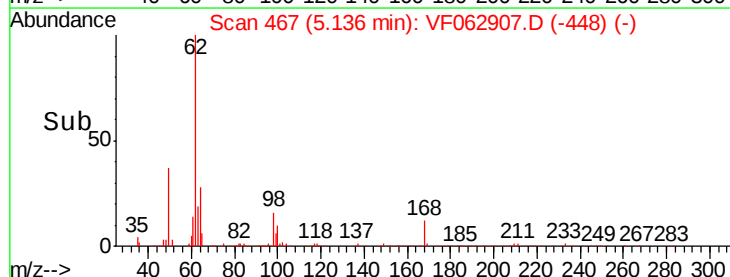
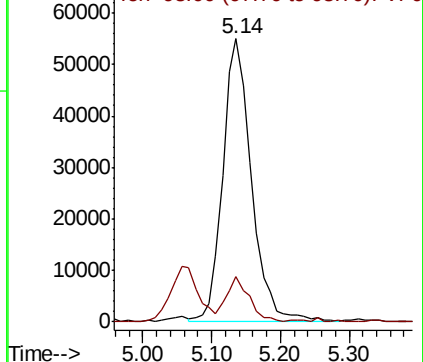
62 100

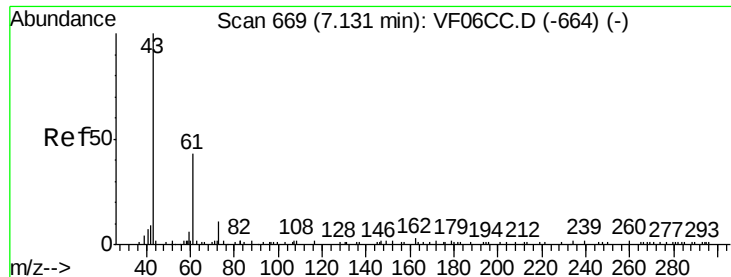
98 16.1 0.0 24.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 20.486 ug/l

RT: 7.12 min Scan# 668

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

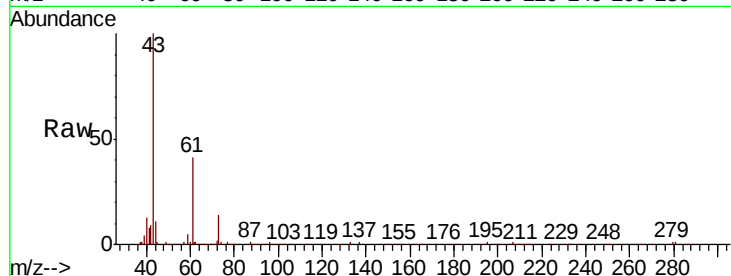
Tot Ion: 43 Resp: 131578

Ion Ratio Lower Upper

43 100

61 41.4 29.8 44.6

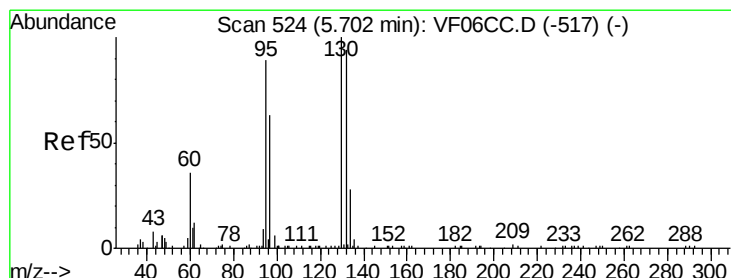
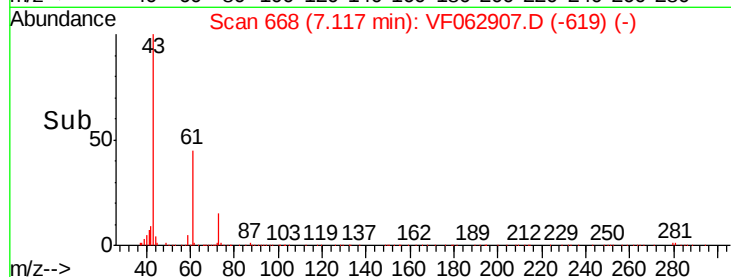
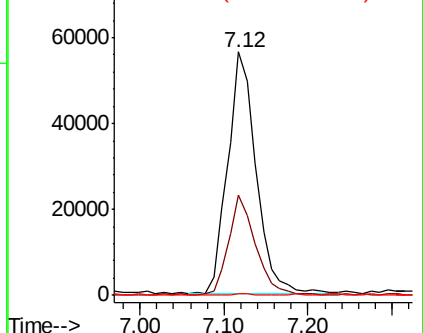
87 0.7 0.3 0.5#



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: 21.052 ug/l

RT: 5.69 min Scan# 523

Delta R.T. -0.02 min

Lab File: VF062907.D

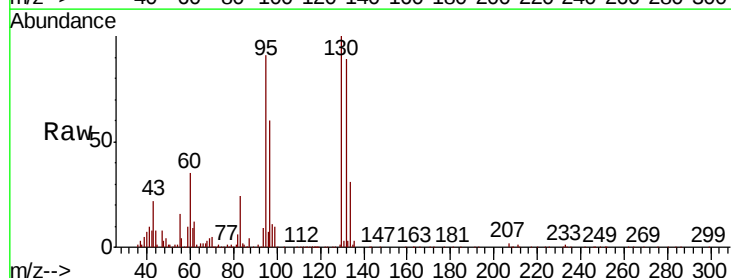
Acq: 10 Jun 2019 15:37

Tgt Ion: 130 Resp: 219935

Ion Ratio Lower Upper

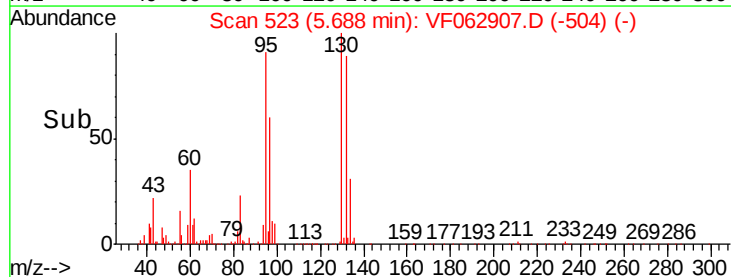
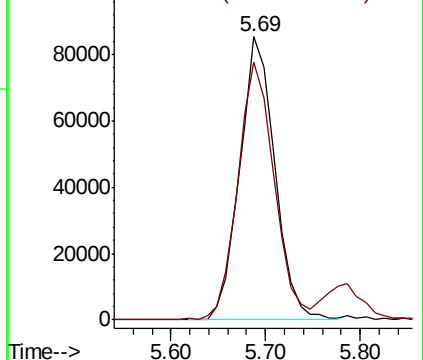
130 100

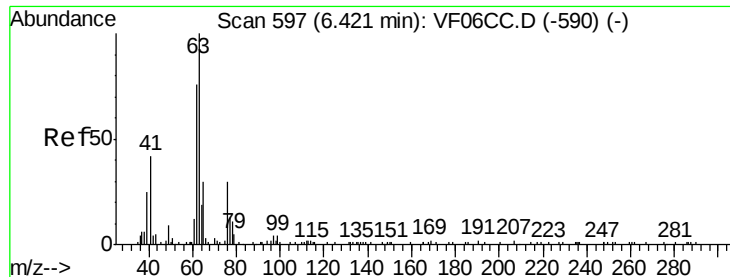
95 91.1 0.0 188.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.024 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

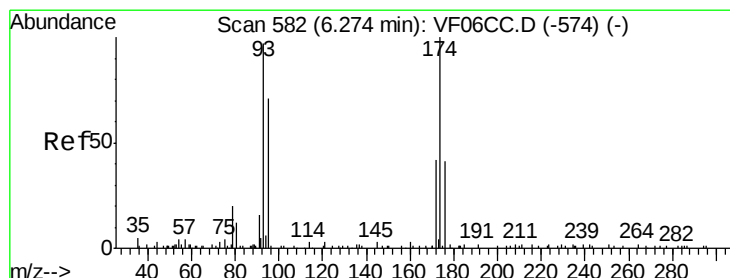
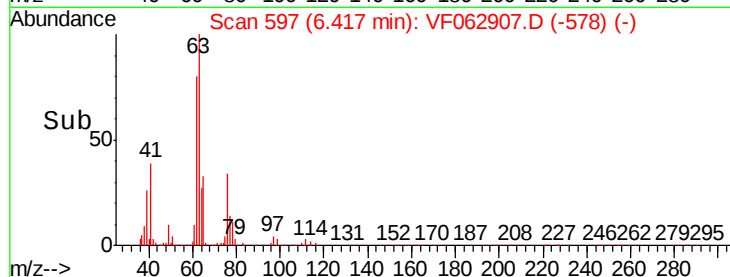
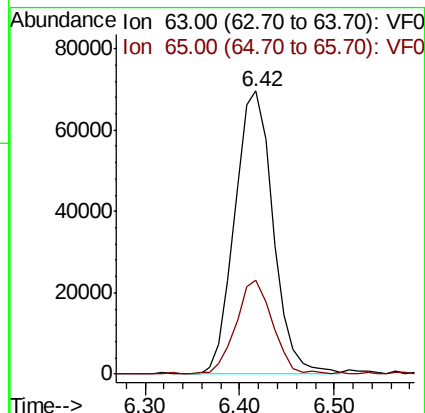
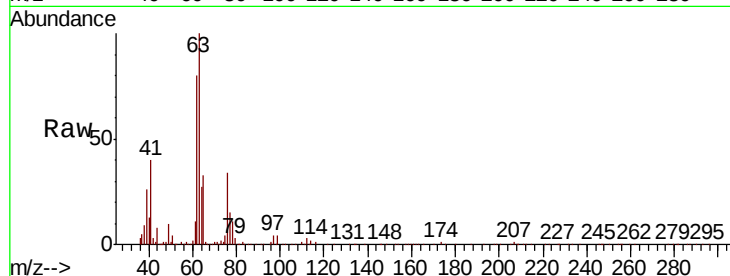
VF0610SBS01

Tot Ion: 63 Resp: 195307

Ion Ratio Lower Upper

63 100

65 33.1 24.2 36.2



#46

Dibromomethane

Concen: 22.333 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

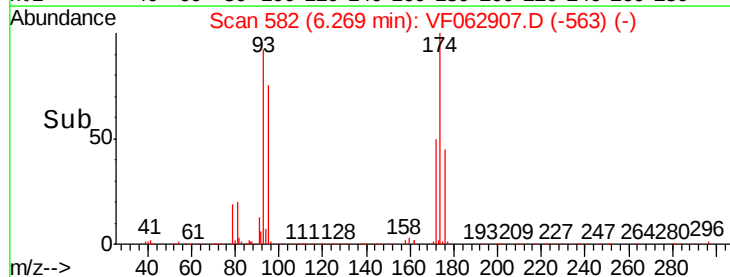
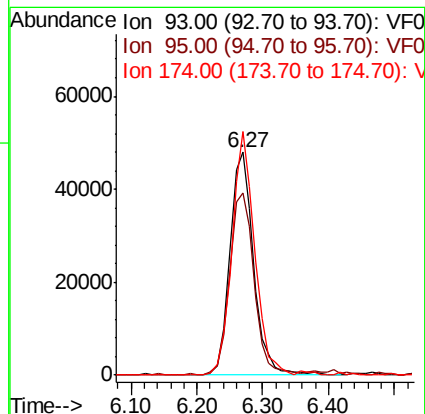
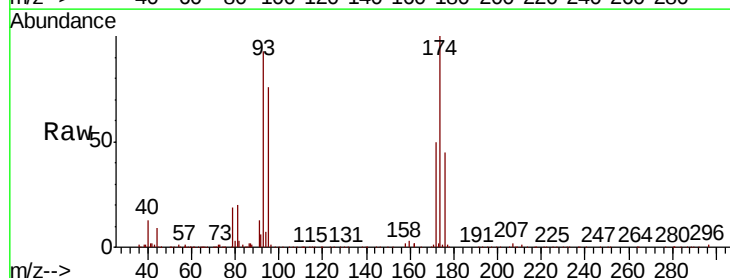
Tgt Ion: 93 Resp: 121126

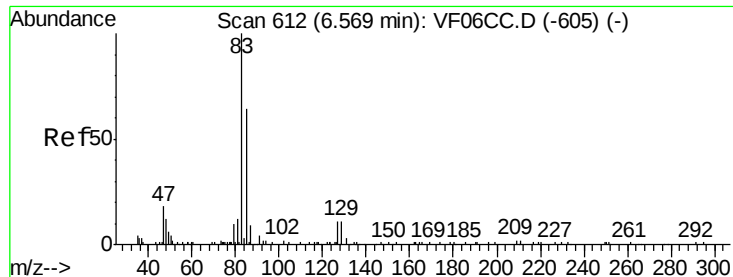
Ion Ratio Lower Upper

93 100

95 81.7 67.9 101.9

174 109.4 85.0 127.4





#47

Bromodichloromethane

Concen: 21.982 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.03 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

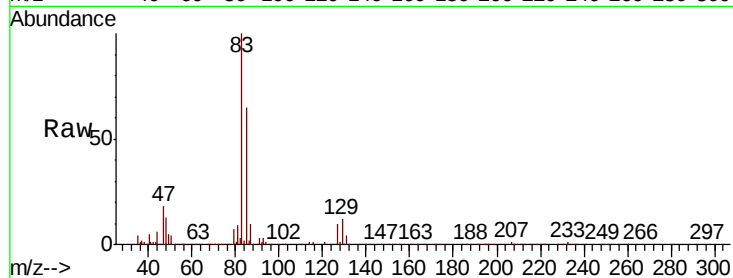
Tot Ion: 83 Resp: 242803

Ion Ratio Lower Upper

83 100

85 64.6 54.2 81.4

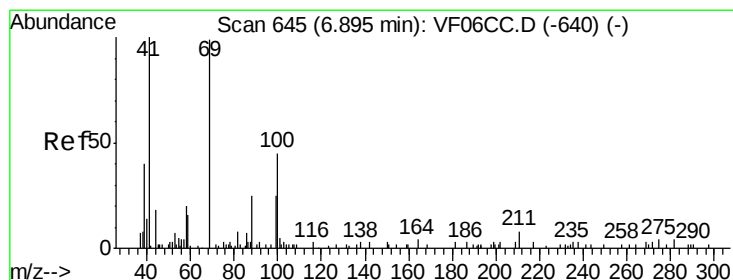
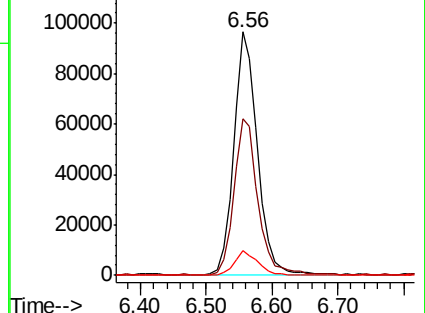
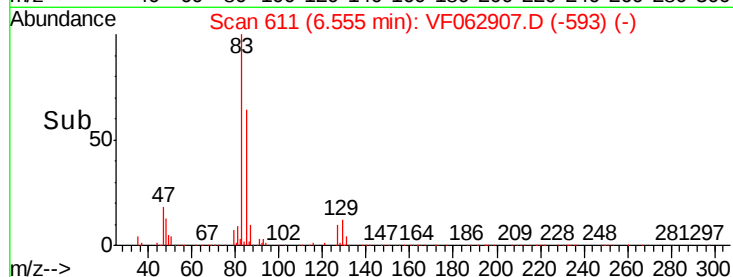
127 10.0 7.0 10.4



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: 20.078 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.01 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

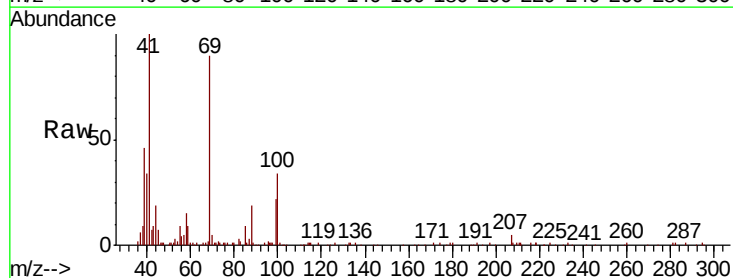
Tgt Ion: 41 Resp: 66461

Ion Ratio Lower Upper

41 100

69 89.5 79.4 119.2

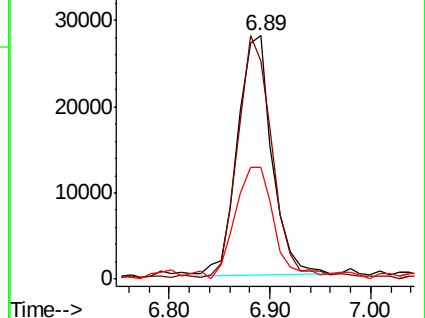
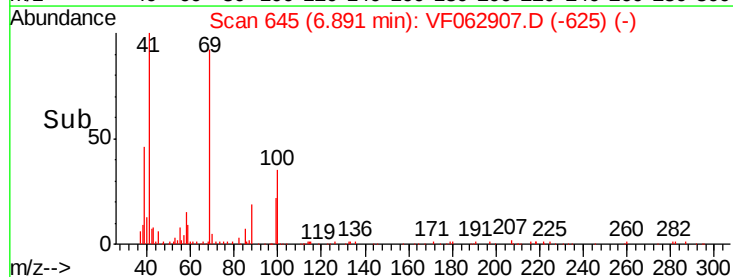
39 45.9 39.8 59.6

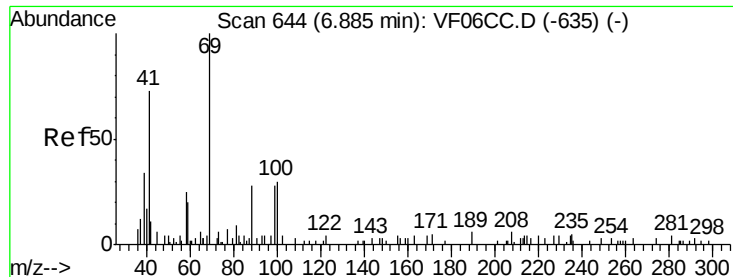


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 488.864 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

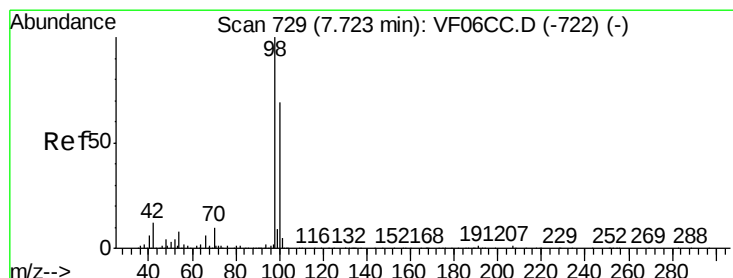
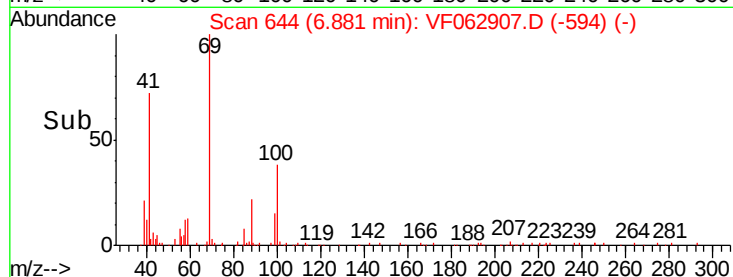
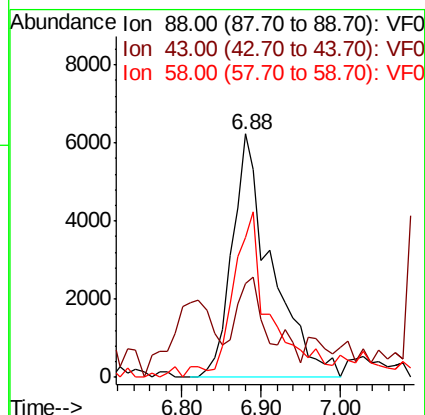
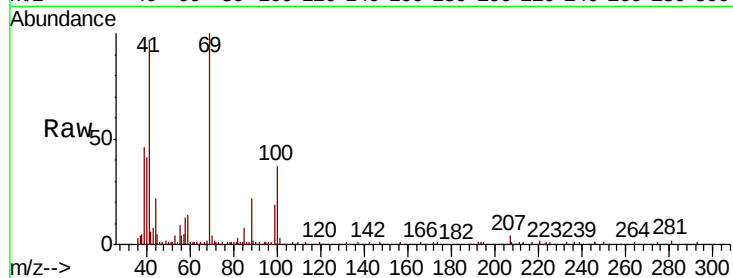
Tot Ion: 88 Resp: 21330

Ion Ratio Lower Upper

88 100

43 38.4 34.8 52.2

58 57.4 59.9 89.9#



#50

Toluene-d8

Concen: 46.045 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.02 min

Lab File: VF062907.D

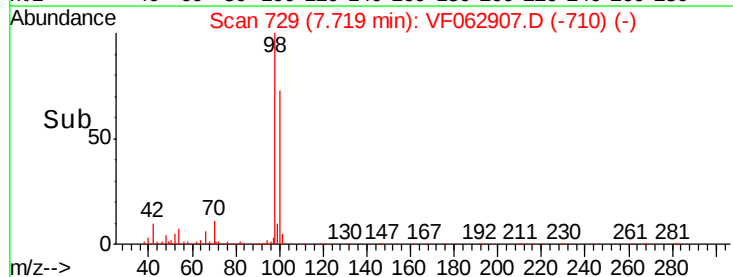
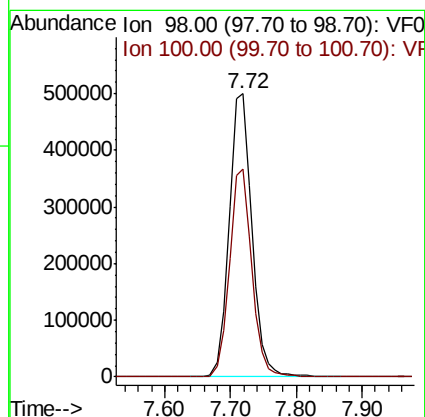
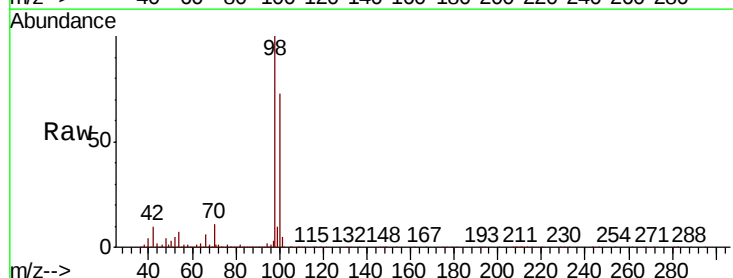
Acq: 10 Jun 2019 15:37

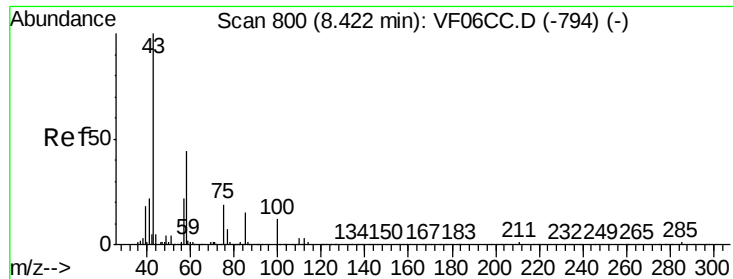
Tgt Ion: 98 Resp: 1215652

Ion Ratio Lower Upper

98 100

100 73.3 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 115.445 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

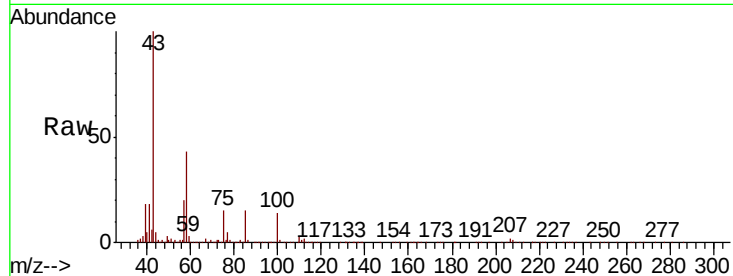
VF0610SBS01

Tot Ion: 43 Resp: 529388

Ion Ratio Lower Upper

43 100

58 43.3 35.5 53.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

250000

200000

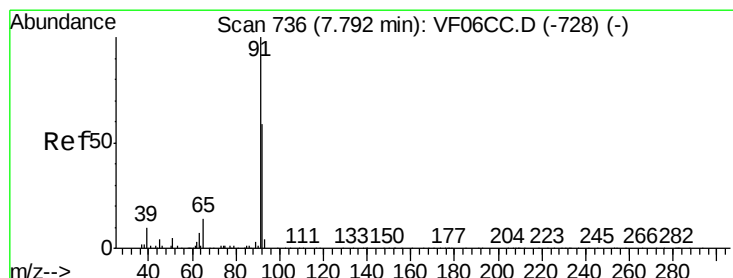
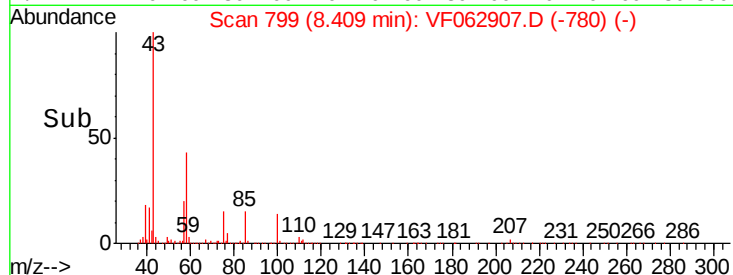
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.540 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.02 min

Lab File: VF062907.D

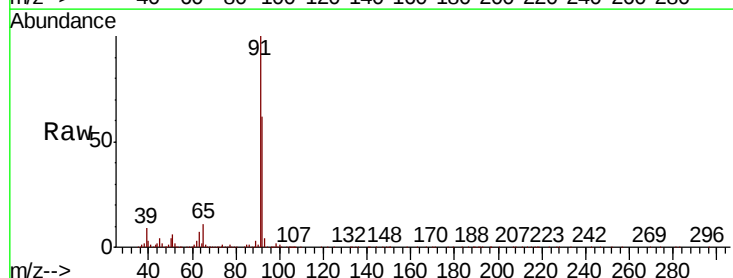
Acq: 10 Jun 2019 15:37

Tgt Ion: 92 Resp: 409535

Ion Ratio Lower Upper

92 100

91 161.9 123.2 184.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

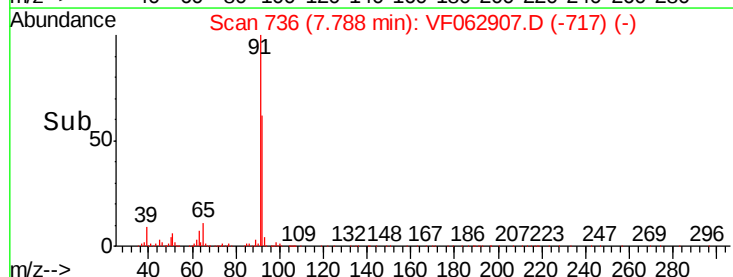
300000

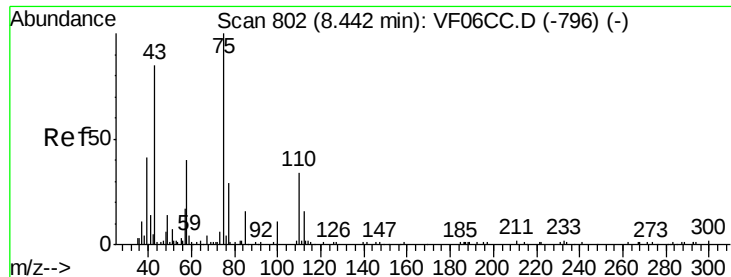
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.473 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

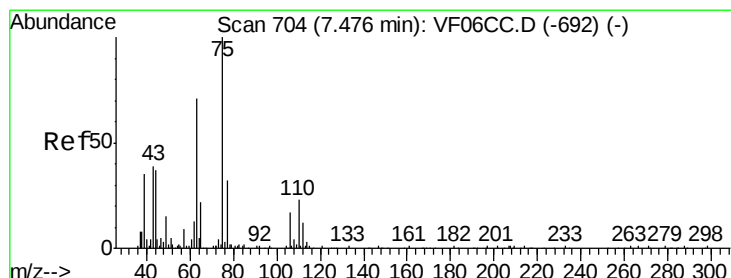
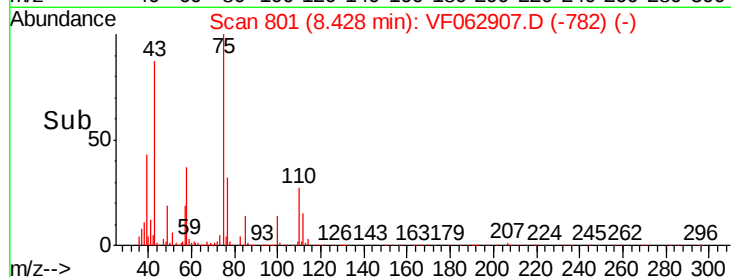
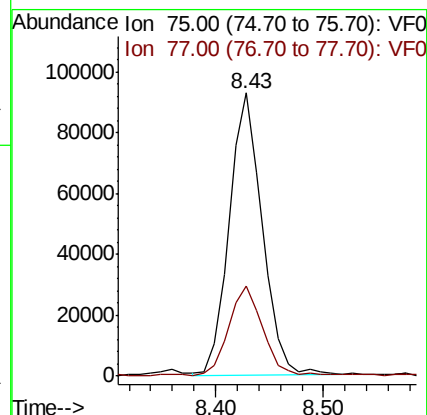
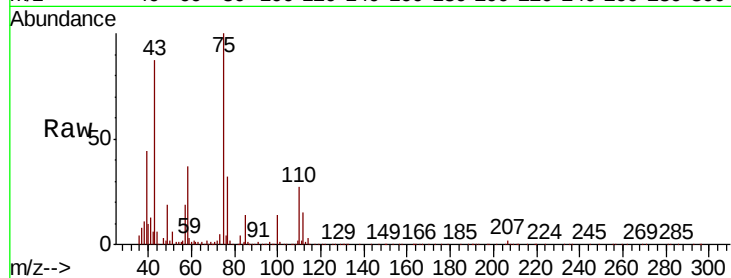
VF0610SBS01

Tot Ion: 75 Resp: 196544

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 21.302 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

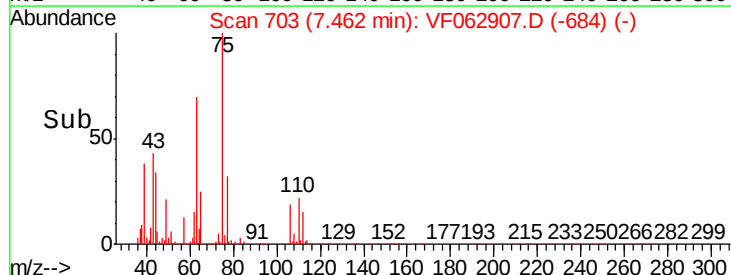
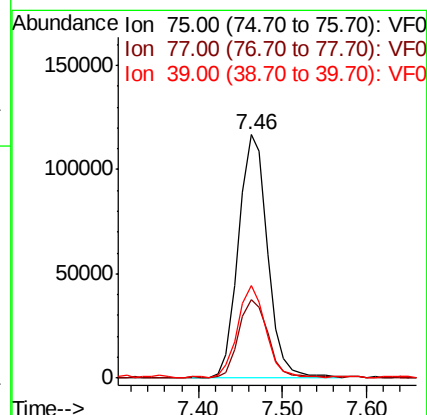
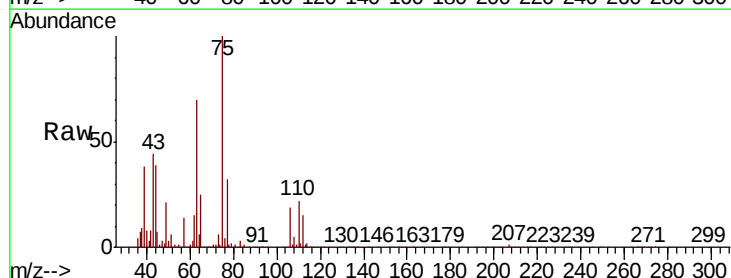
Tgt Ion: 75 Resp: 282227

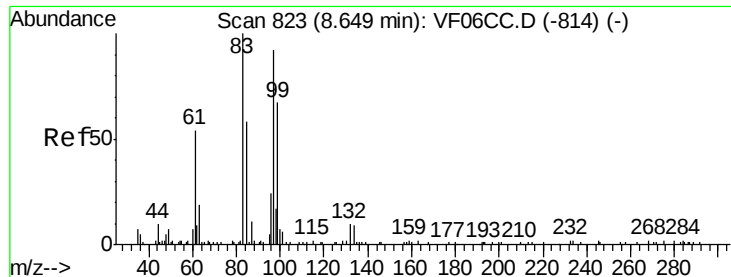
Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8

39 37.9 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 21.831 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion: 97 Resp: 130039

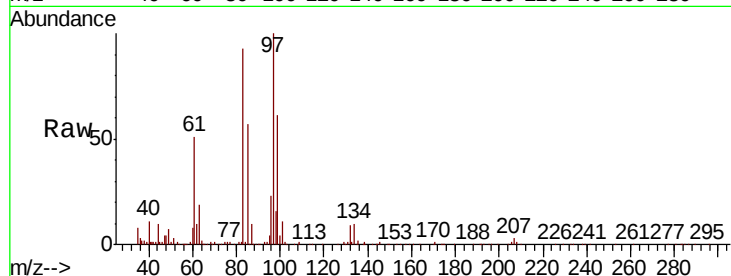
Ion Ratio Lower Upper

97 100

83 92.7 72.0 108.0

85 57.3 47.5 71.3

99 60.6 54.1 81.1

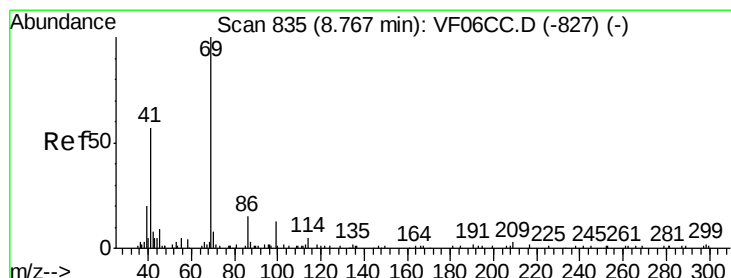
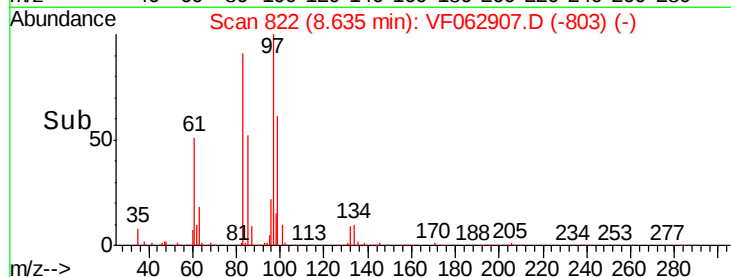
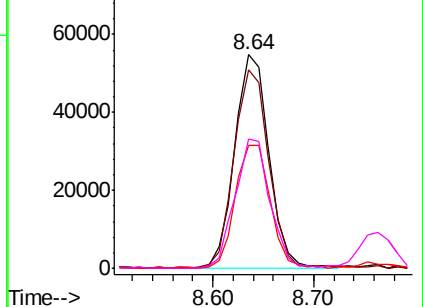


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.310 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

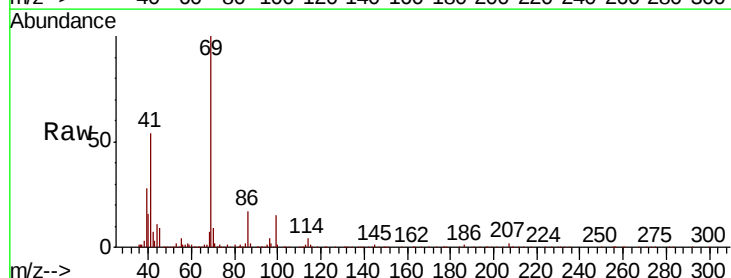
Tgt Ion: 69 Resp: 129804

Ion Ratio Lower Upper

69 100

41 54.1 46.6 69.8

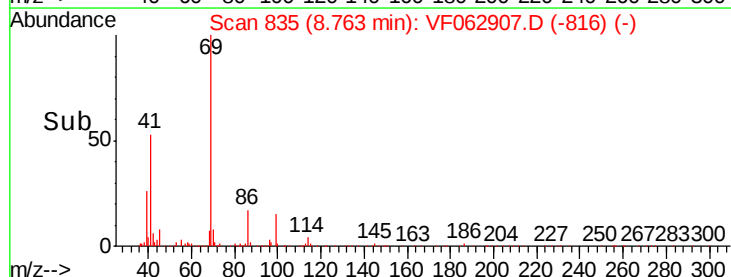
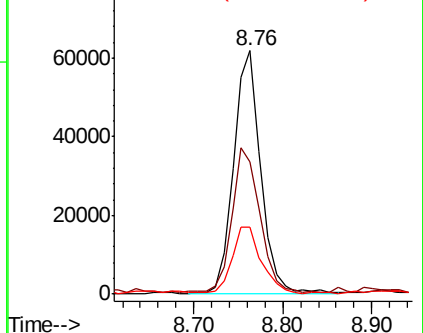
39 27.7 19.6 29.4

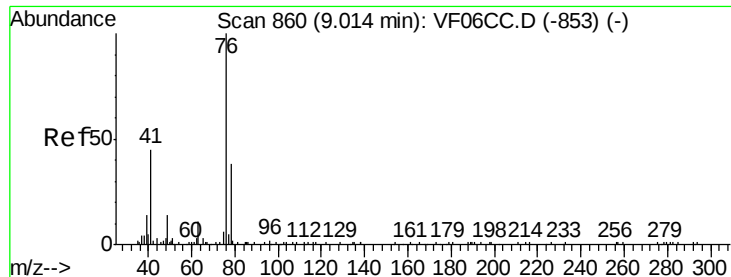


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.231 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

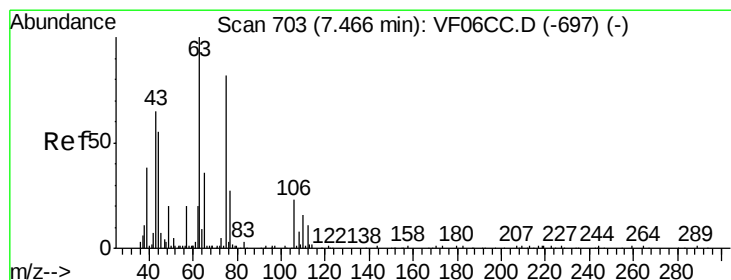
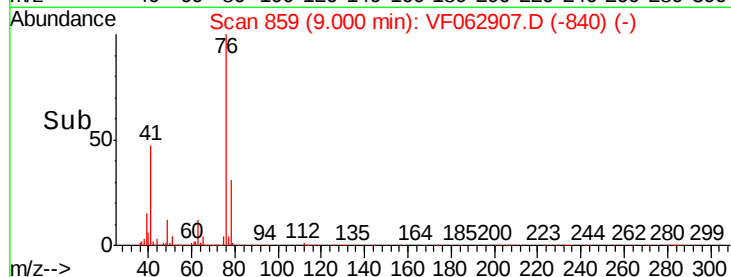
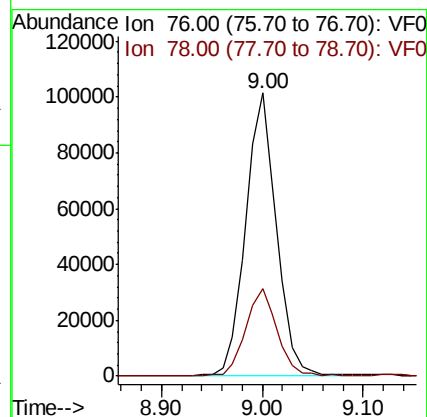
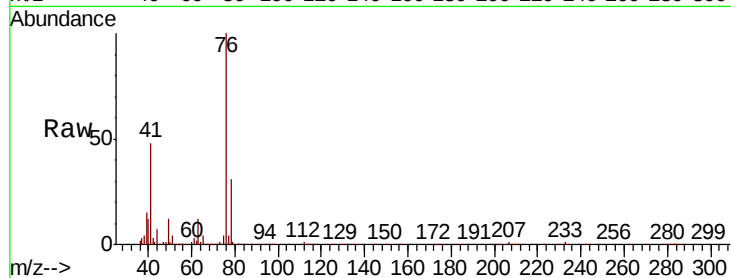
VF0610SBS01

Tot Ion: 76 Resp: 216244

Ion Ratio Lower Upper

76 100

78 30.7 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 108.238 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF062907.D

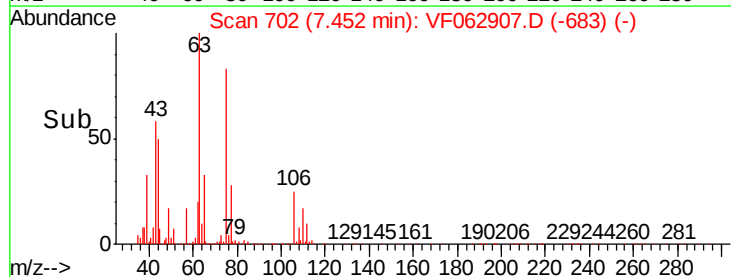
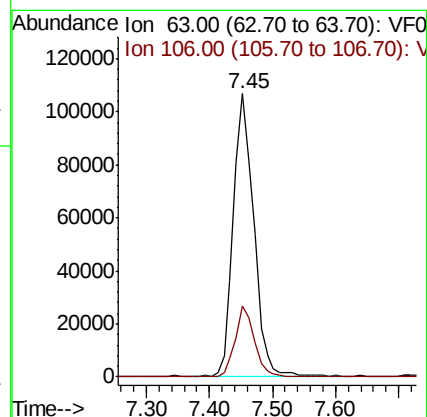
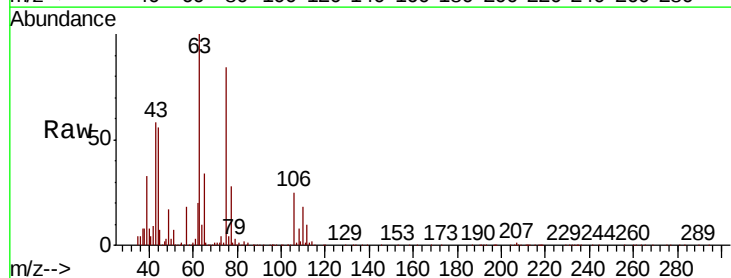
Acq: 10 Jun 2019 15:37

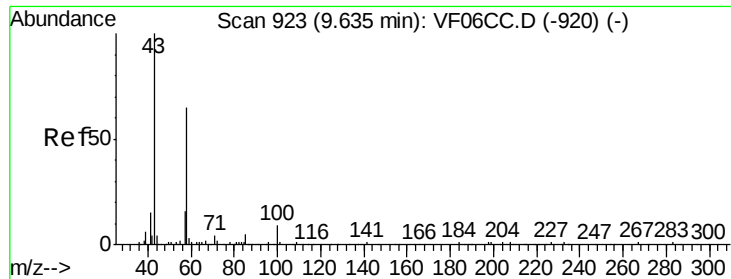
Tgt Ion: 63 Resp: 241767

Ion Ratio Lower Upper

63 100

106 25.1 19.5 29.3

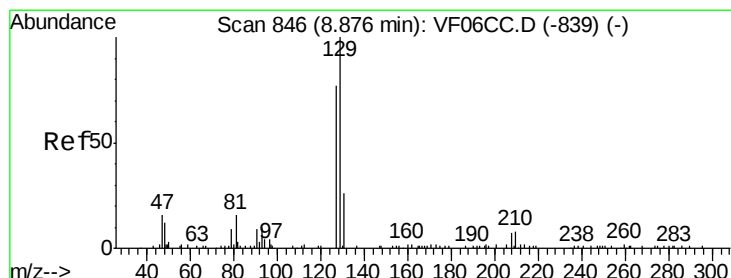
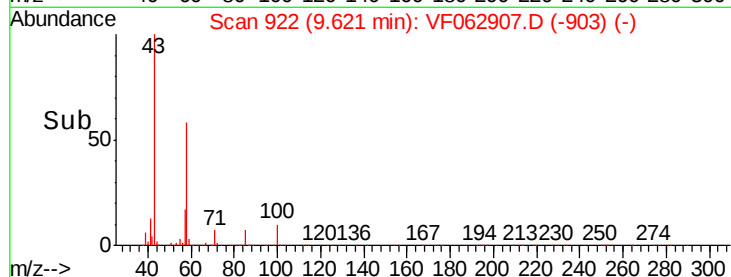
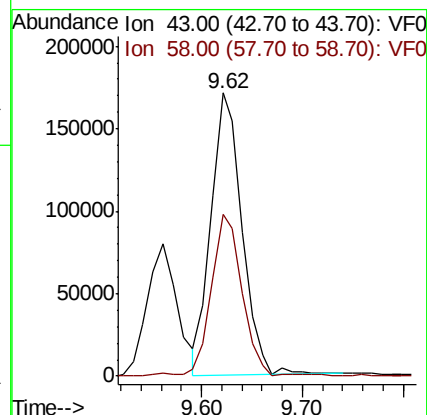
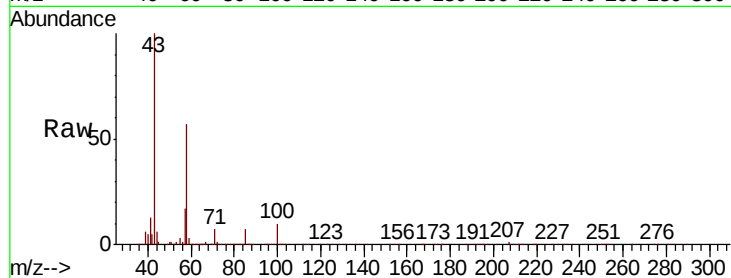




#59
2-Hexanone
Concen: 111.608 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

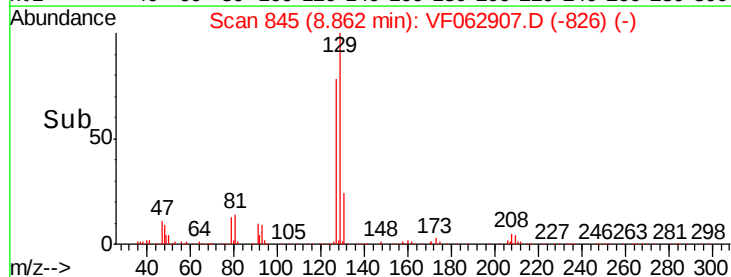
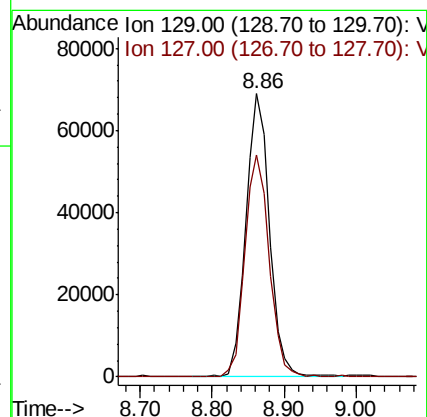
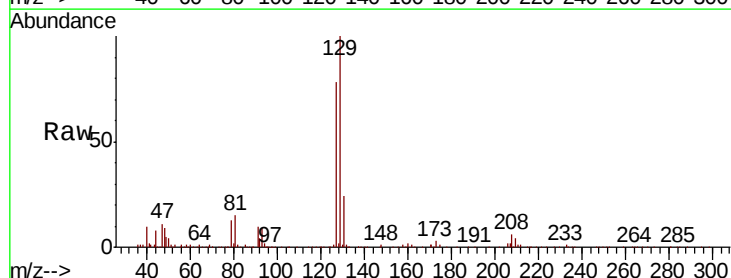
Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

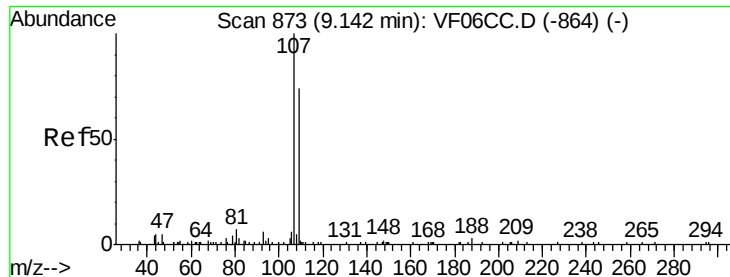
Tot Ion: 43 Resp: 364789
Ion Ratio Lower Upper
43 100
58 57.4 29.3 87.9



#60
Dibromochloromethane
Concen: 21.474 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion: 129 Resp: 158364
Ion Ratio Lower Upper
129 100
127 78.3 37.1 111.3





#61

1,2-Dibromoethane

Concen: 22.073 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

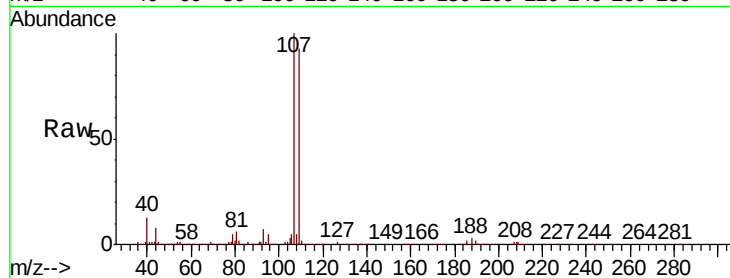
VF0610SBS01

Tot Ion:107 Resp: 136546

Ion Ratio Lower Upper

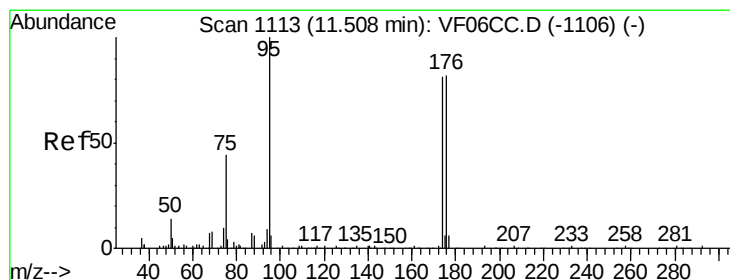
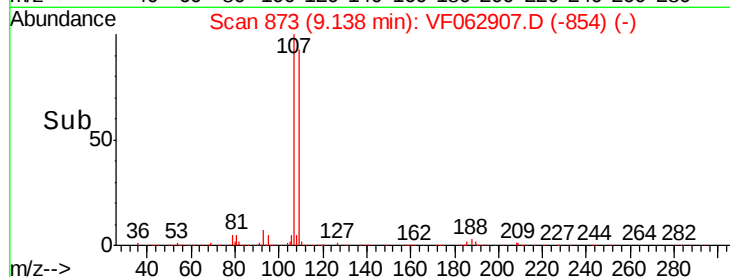
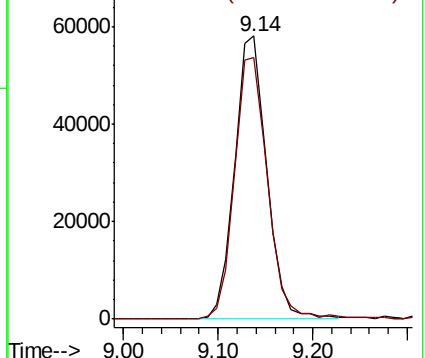
107 100

109 92.5 78.1 117.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 43.899 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

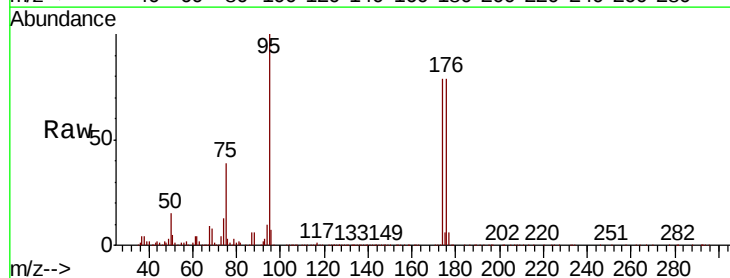
Tgt Ion: 95 Resp: 416903

Ion Ratio Lower Upper

95 100

174 78.8 0.0 170.6

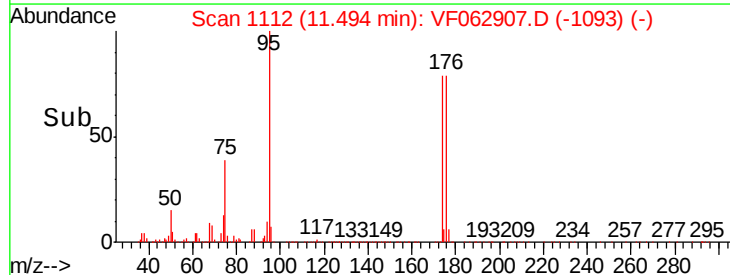
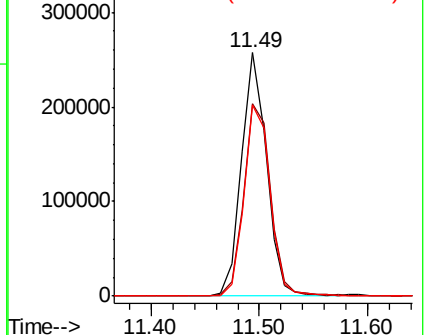
176 78.7 0.0 170.6

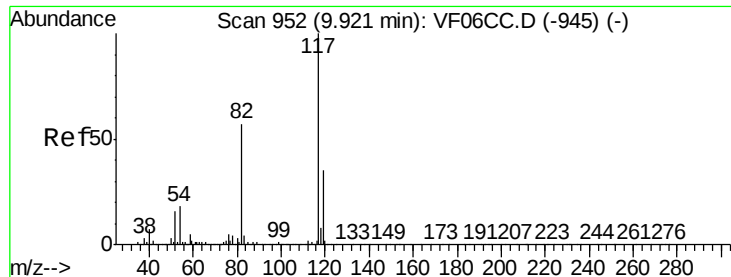


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

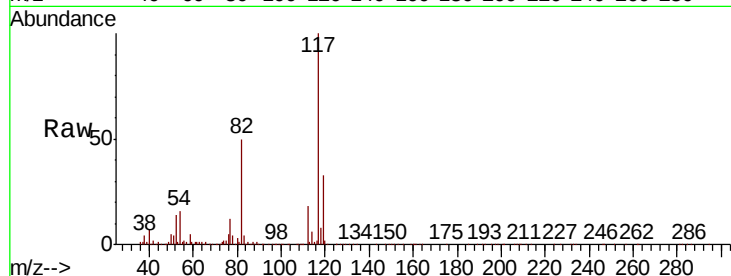




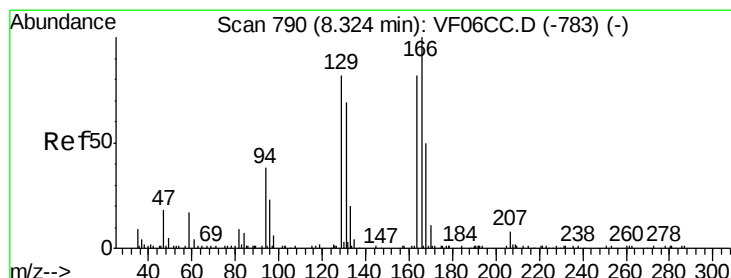
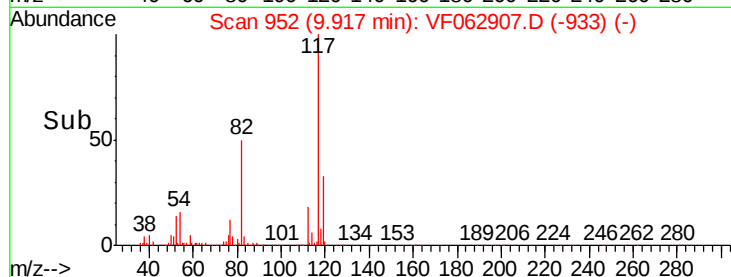
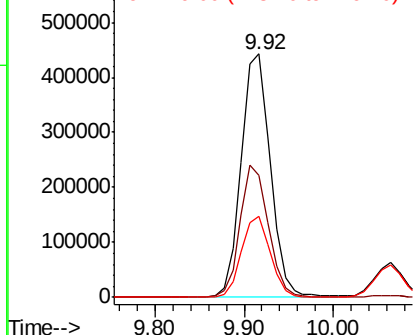
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion:117 Resp: 1008616
Ion Ratio Lower Upper
117 100
82 49.9 42.4 63.6
119 33.4 27.1 40.7

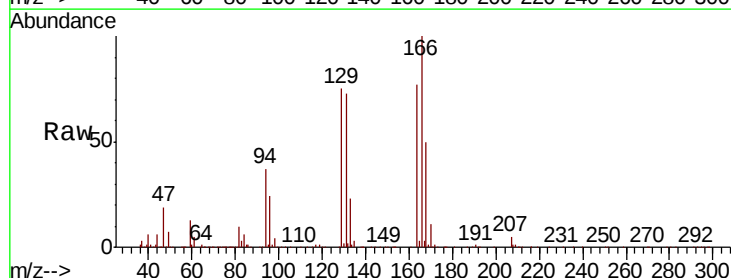


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

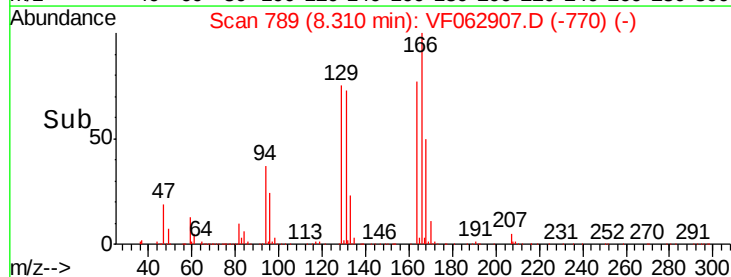
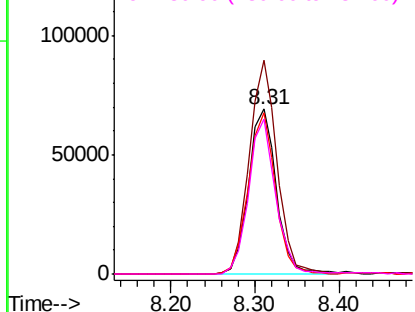


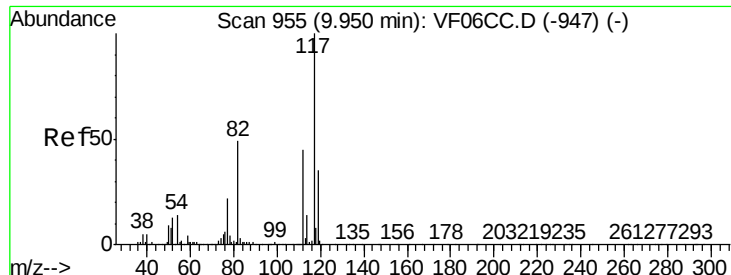
#64
Tetrachloroethene
Concen: 20.744 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion:164 Resp: 160781
Ion Ratio Lower Upper
164 100
166 129.6 99.1 148.7
129 97.5 69.5 104.3
131 94.3 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

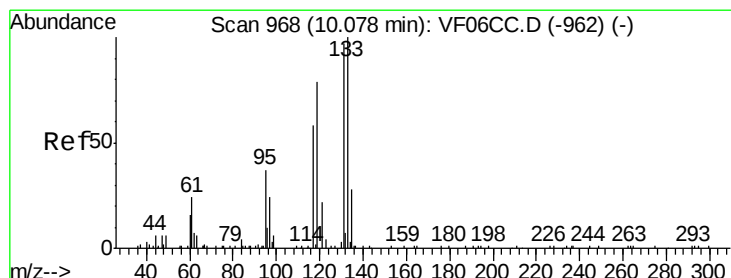
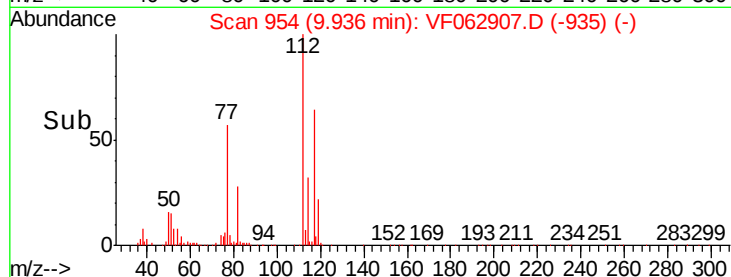
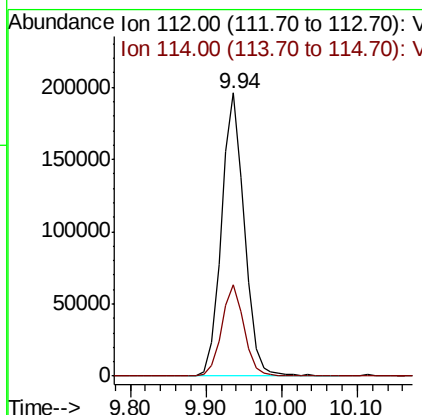
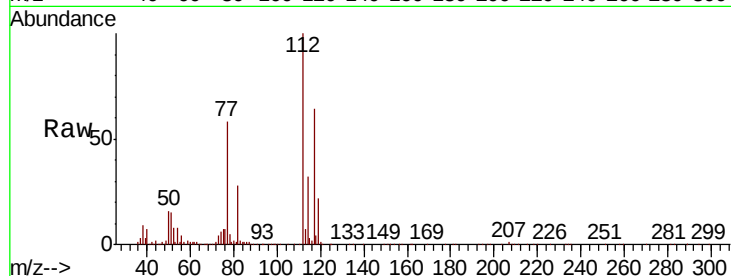




#65
Chlorobenzene
Concen: 21.096 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

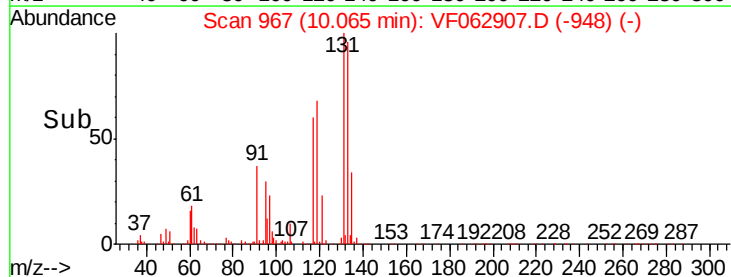
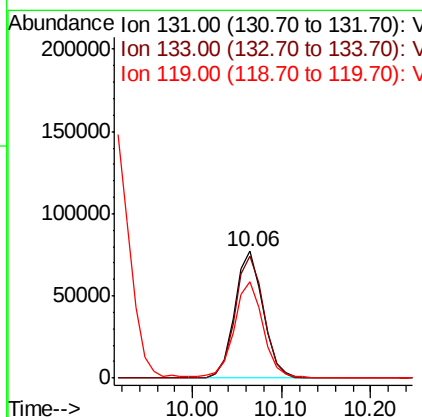
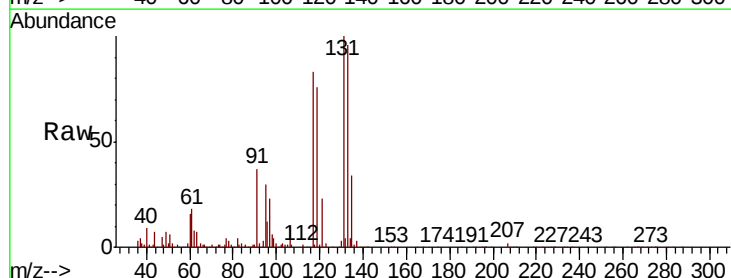
Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

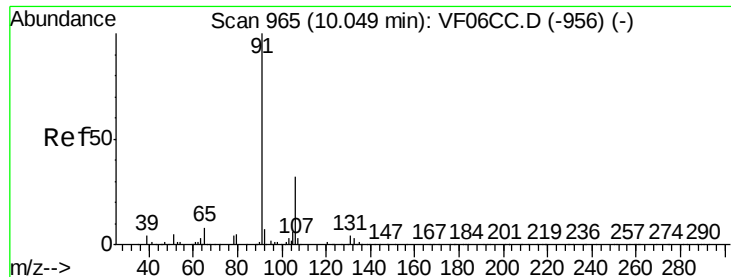
Tot Ion:112 Resp: 410899
Ion Ratio Lower Upper
112 100
114 32.4 27.4 41.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.168 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion:131 Resp: 171962
Ion Ratio Lower Upper
131 100
133 96.0 48.9 146.7
119 75.8 38.0 114.0

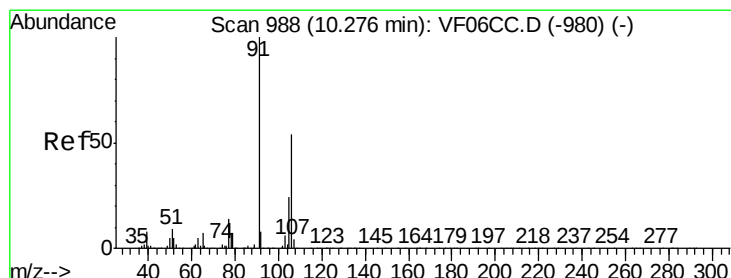
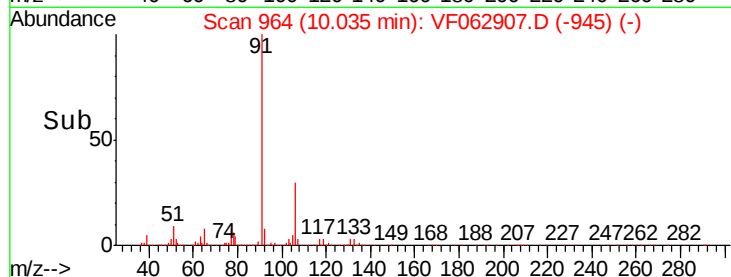
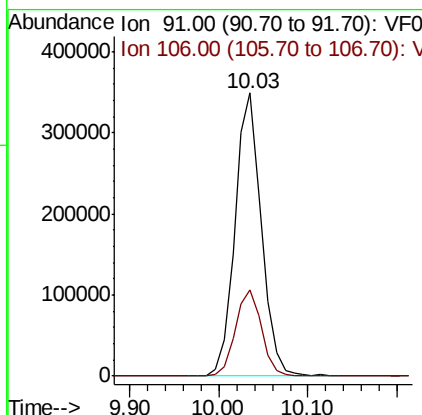
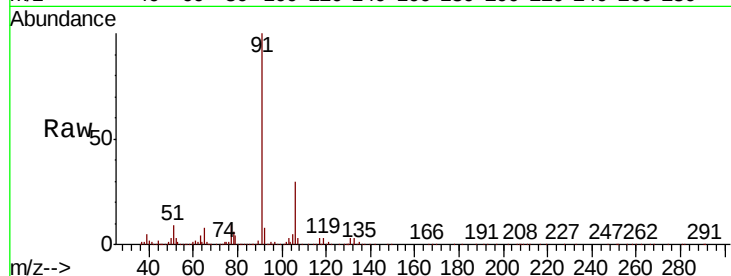




#67
Ethyl Benzene
Concen: 21.533 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

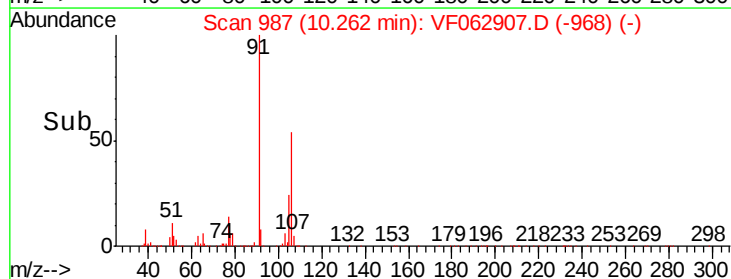
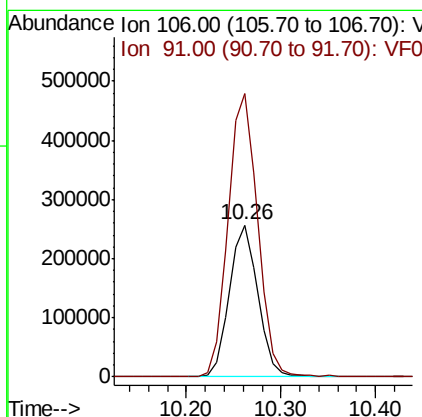
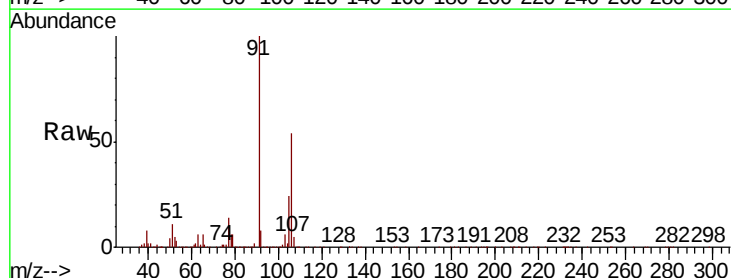
Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

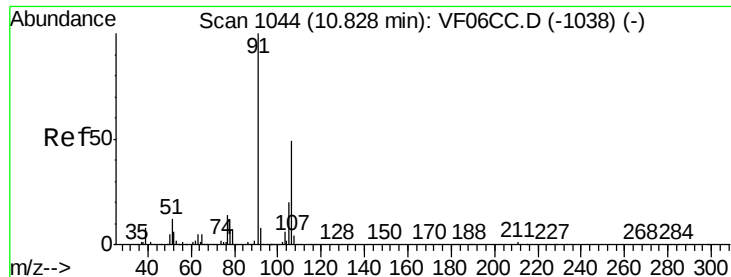
Tot Ion: 91 Resp: 719740
Ion Ratio Lower Upper
91 100
106 30.4 26.0 39.0



#68
m/p-Xylenes
Concen: 41.640 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion: 106 Resp: 532595
Ion Ratio Lower Upper
106 100
91 186.8 136.2 204.4

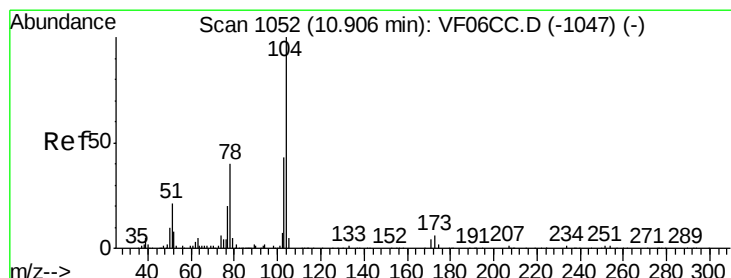
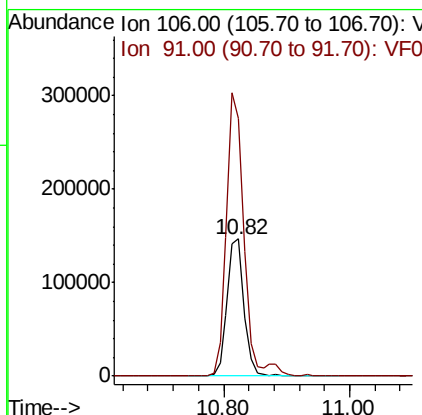
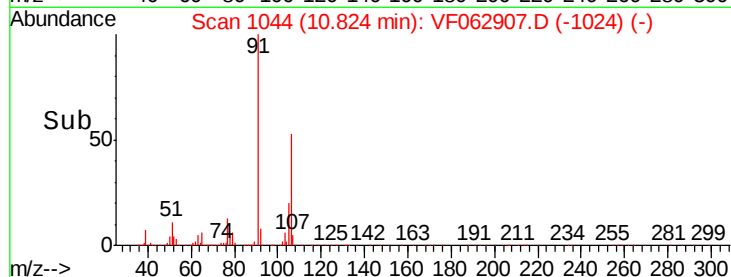
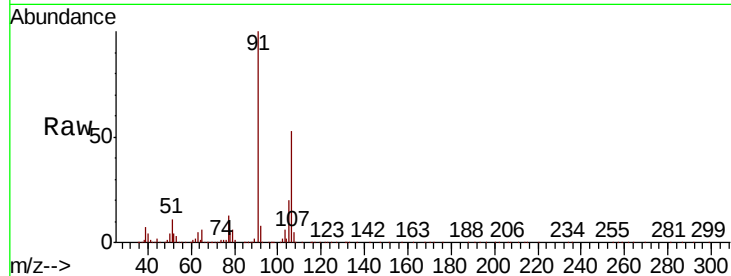




#69
o-Xylene
Concen: 21.107 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

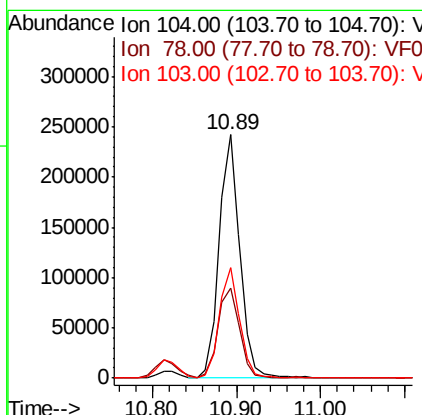
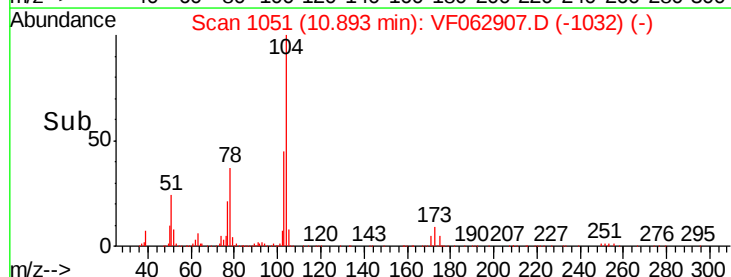
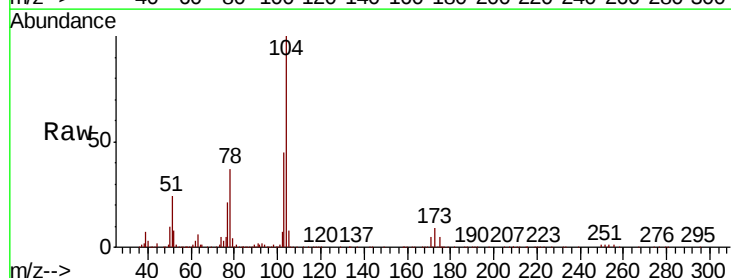
Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

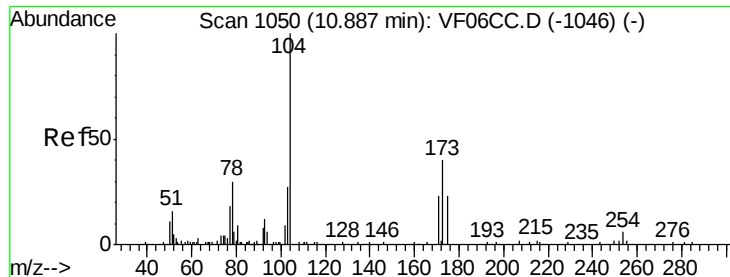
Tot Ion:106 Resp: 273339
Ion Ratio Lower Upper
106 100
91 188.0 96.6 289.8



#70
Styrene
Concen: 21.575 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion:104 Resp: 411809
Ion Ratio Lower Upper
104 100
78 37.1 30.8 46.2
103 45.2 35.8 53.6





#71

Bromoform

Concen: 22.762 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

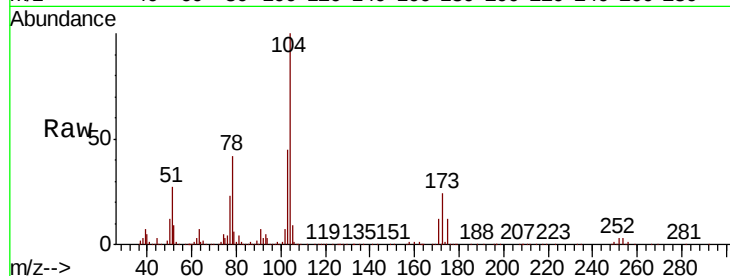
Tot Ion:173 Resp: 84703

Ion Ratio Lower Upper

173 100

175 47.9 24.6 74.0

254 0.4 0.1 0.1#

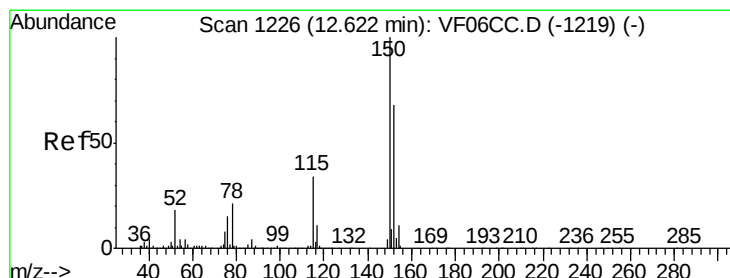
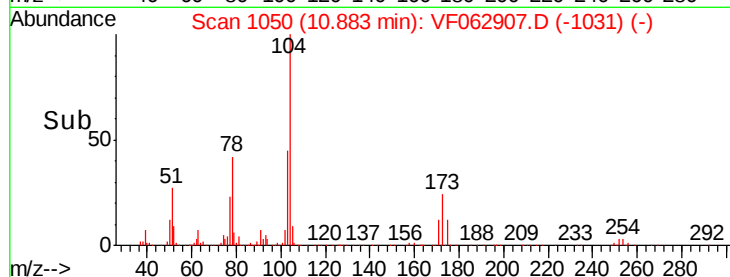
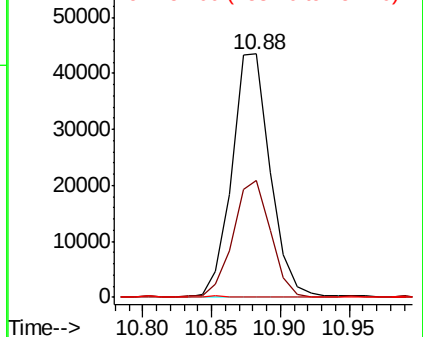


Abundance

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: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

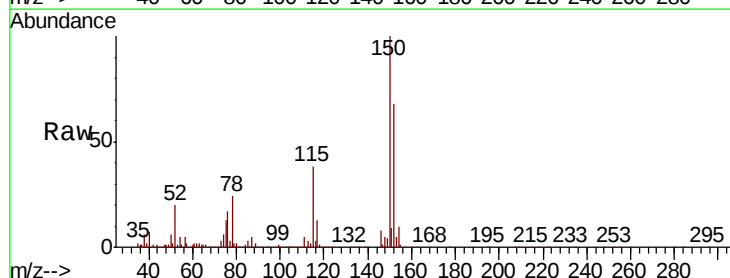
Tgt Ion:152 Resp: 490524

Ion Ratio Lower Upper

152 100

115 55.4 24.6 74.0

150 147.5 0.0 290.6

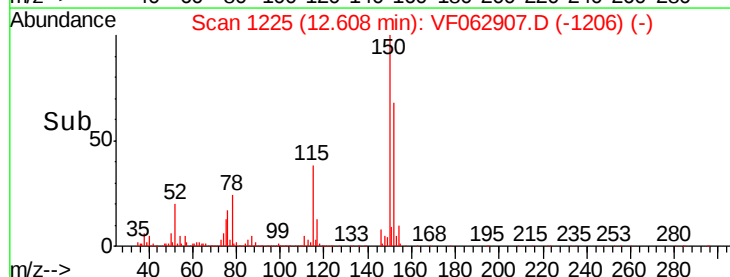
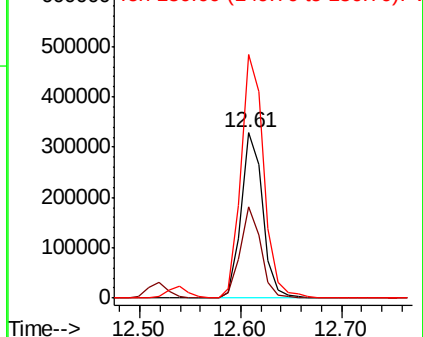


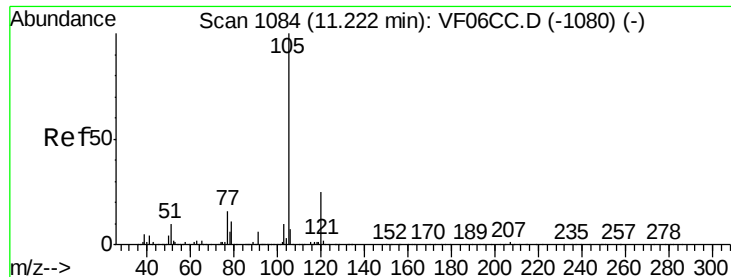
Abundance

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: 20.799 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

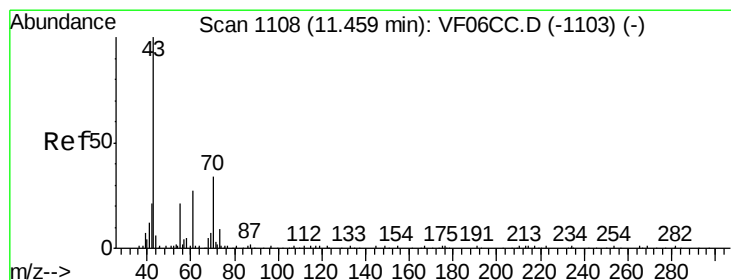
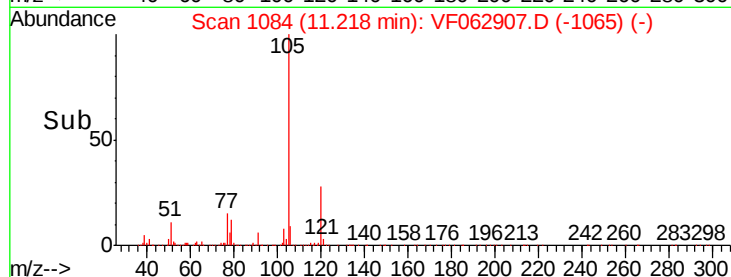
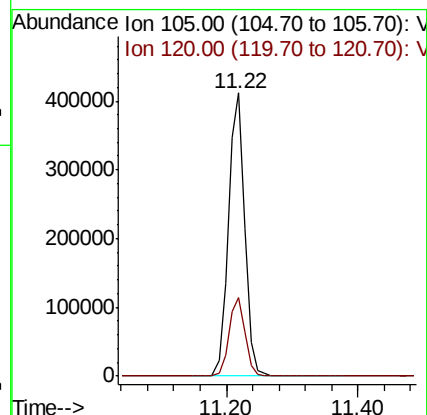
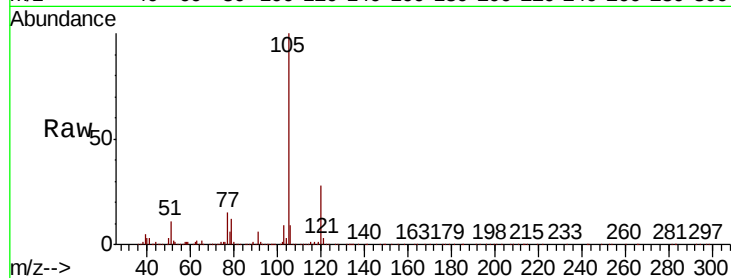
VF0610SBS01

Tot Ion:105 Resp: 711895

Ion Ratio Lower Upper

105 100

120 27.8 15.1 45.3



#74

N-ethyl acetate

Concen: 22.498 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Tgt Ion: 43 Resp: 217025

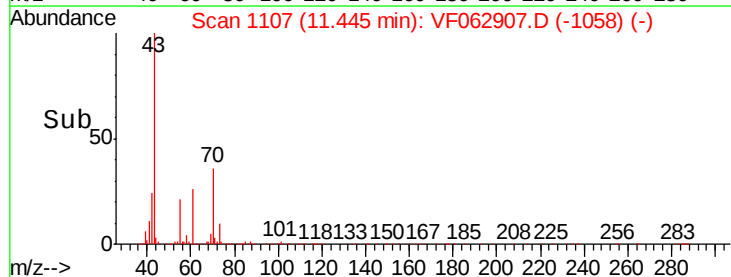
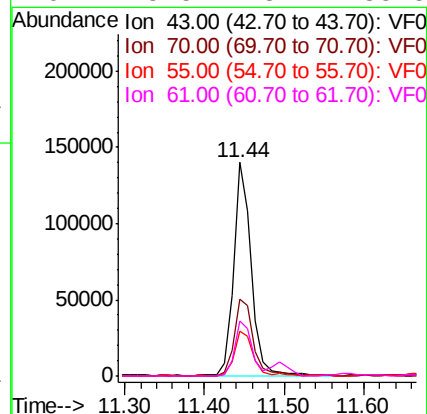
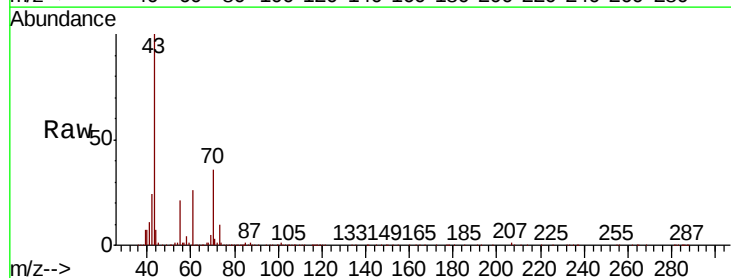
Ion Ratio Lower Upper

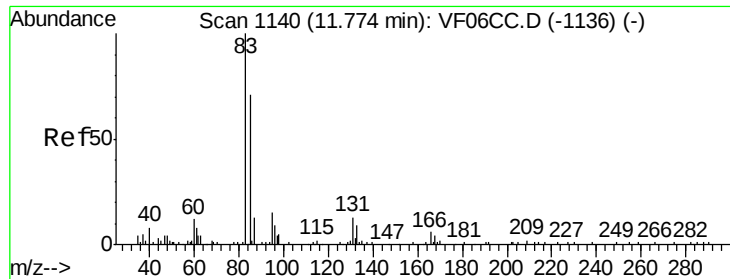
43 100

70 36.3 32.9 49.3

55 20.9 17.3 25.9

61 25.5 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.469 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

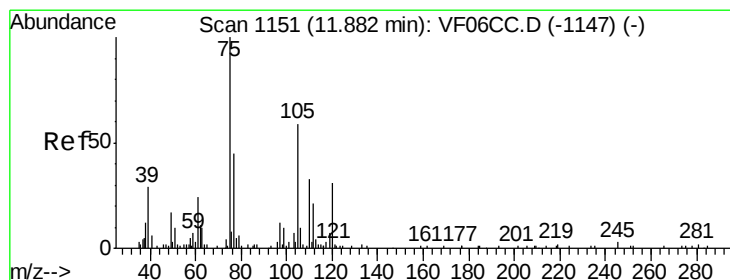
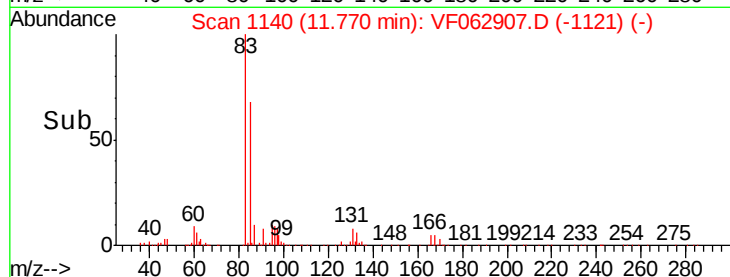
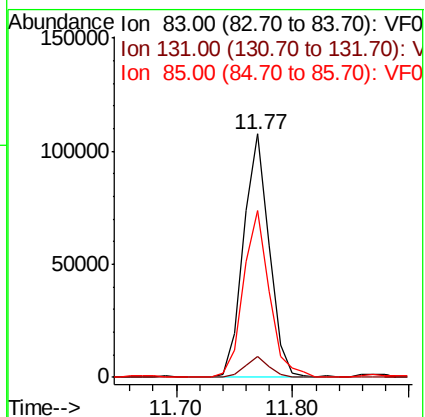
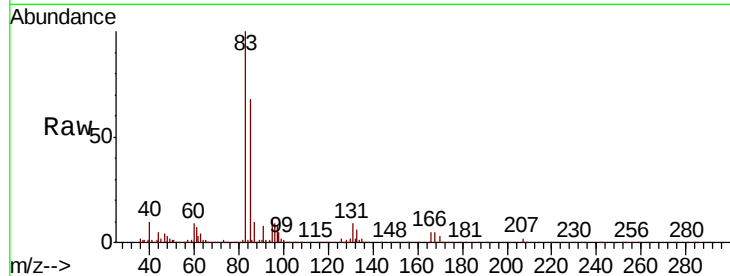
Tot Ion: 83 Resp: 164233

Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.9	14.7
85	68.4	32.1	96.5

83 100

131 8.7 4.9 14.7

85 68.4 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 21.450 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VF062907.D

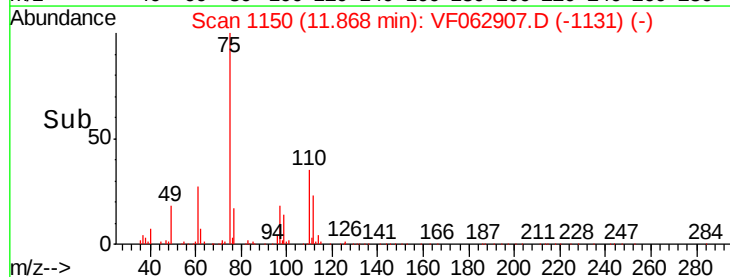
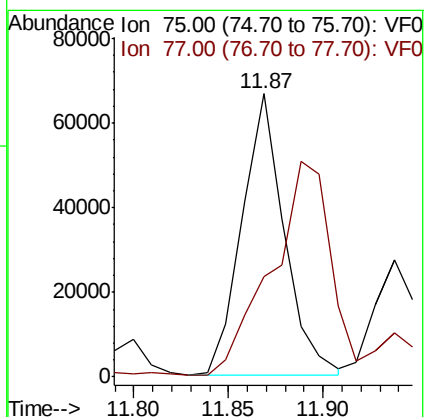
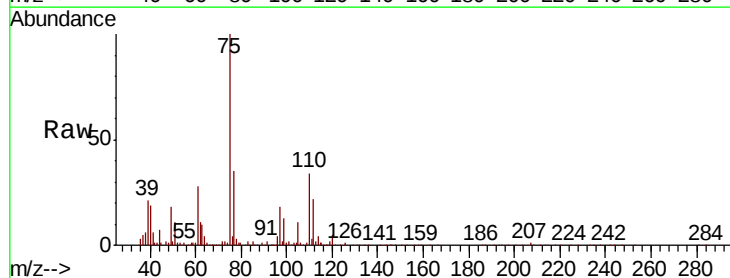
Acq: 10 Jun 2019 15:37

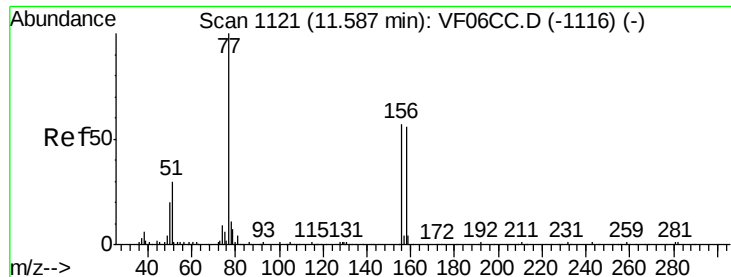
Tgt Ion: 75 Resp: 103926

Ion	Ratio	Lower	Upper
75	100		
77	35.4	20.1	60.2

75 100

77 35.4 20.1 60.2





#77

Bromobenzene

Concen: 20.011 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

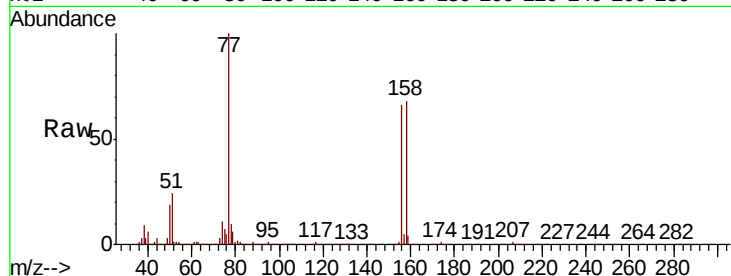
Tot Ion:156 Resp: 172087

Ion Ratio Lower Upper

156 100

77 150.5 64.2 192.6

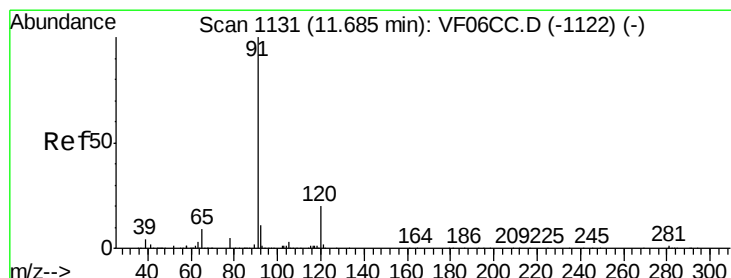
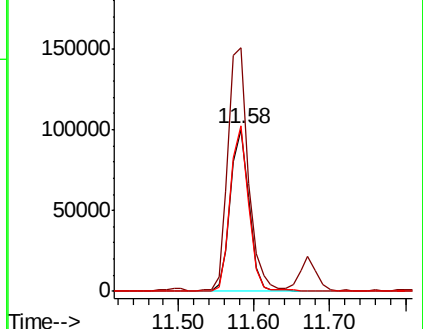
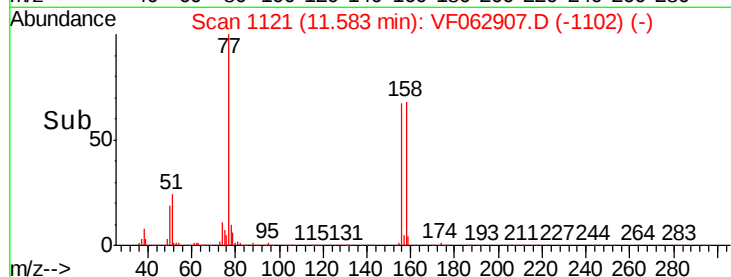
158 102.2 50.3 151.0



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: 20.994 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF062907.D

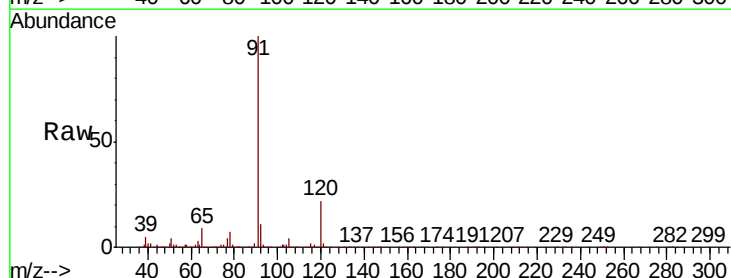
Acq: 10 Jun 2019 15:37

Tgt Ion: 91 Resp: 867619

Ion Ratio Lower Upper

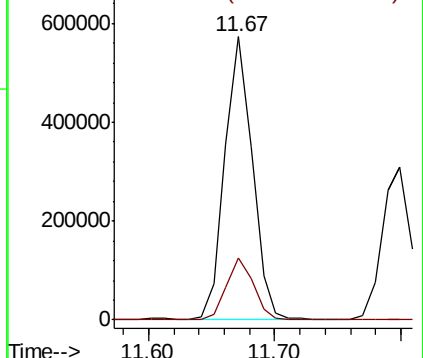
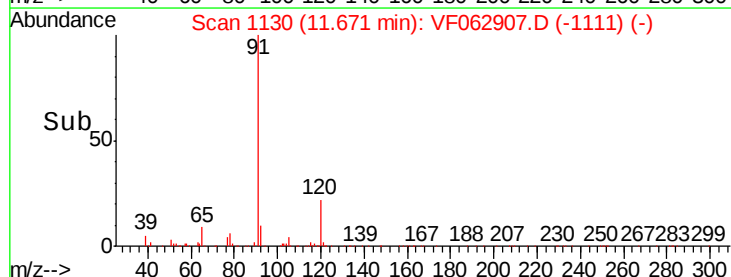
91 100

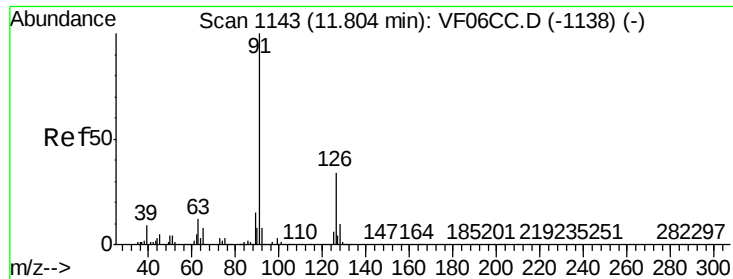
120 21.8 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

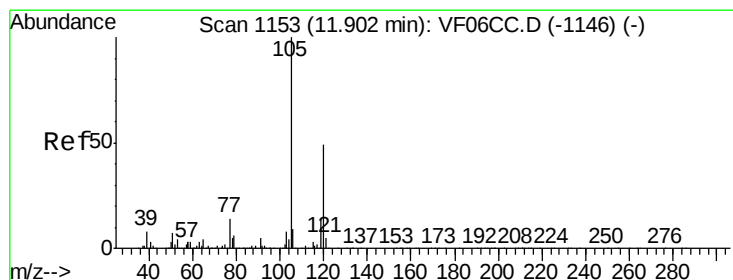
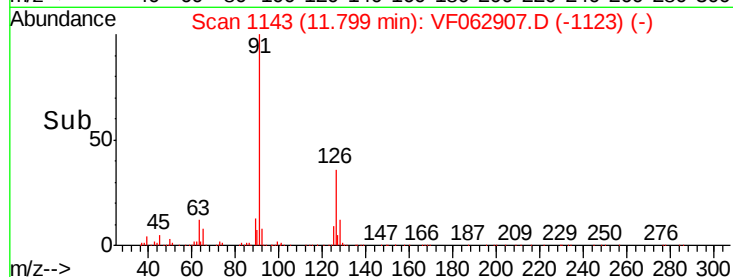
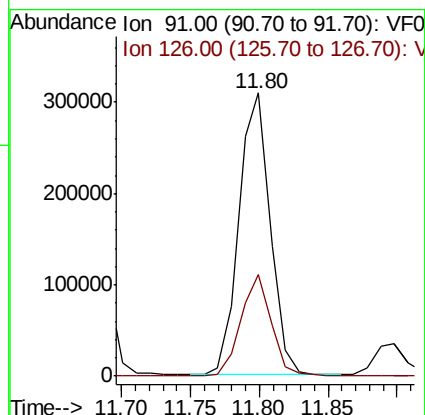
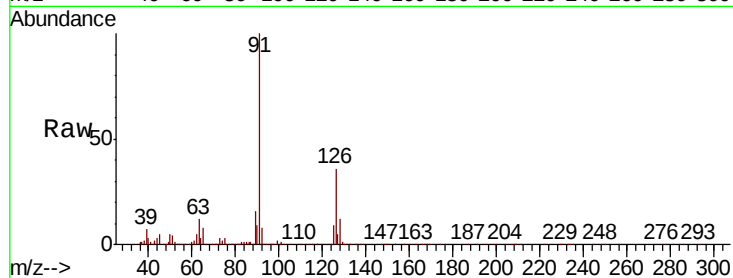




#79
2-Chlorotoluene
Concen: 20.687 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

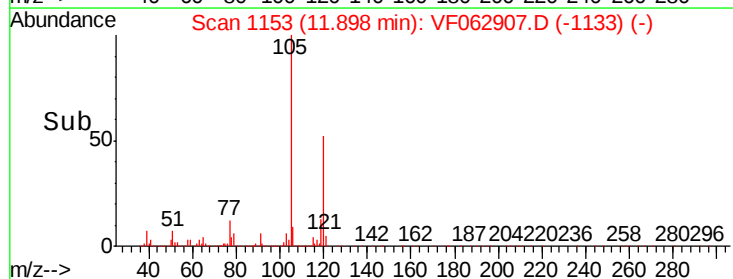
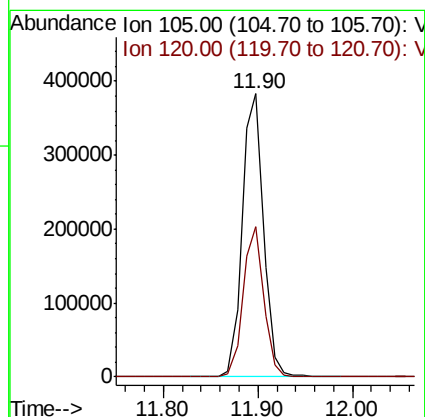
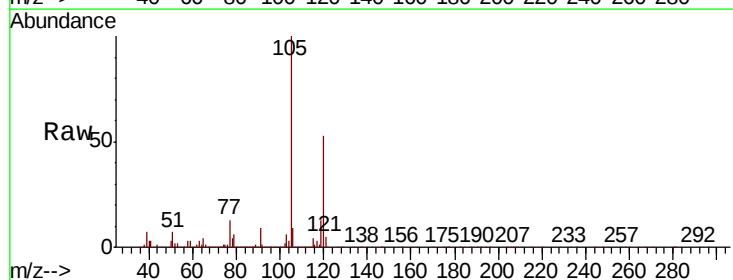
Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

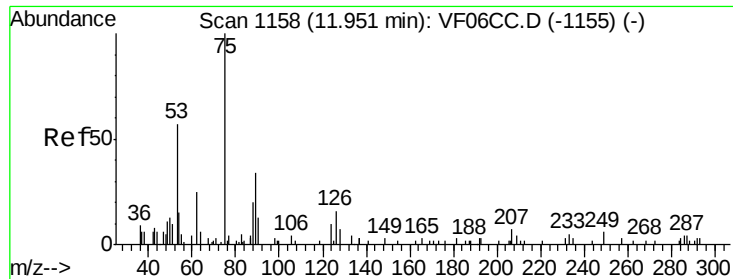
Tot Ion: 91 Resp: 489174
Ion Ratio Lower Upper
91 100
126 36.1 17.8 53.3



#80
1,3,5-Trimethylbenzene
Concen: 21.186 ug/l
RT: 11.90 min Scan# 1153
Delta R.T. -0.01 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion: 105 Resp: 592999
Ion Ratio Lower Upper
105 100
120 53.0 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 27.300 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

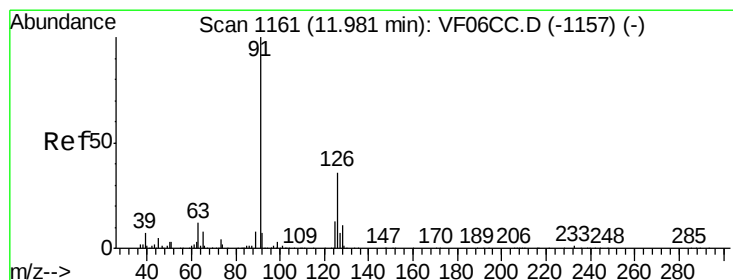
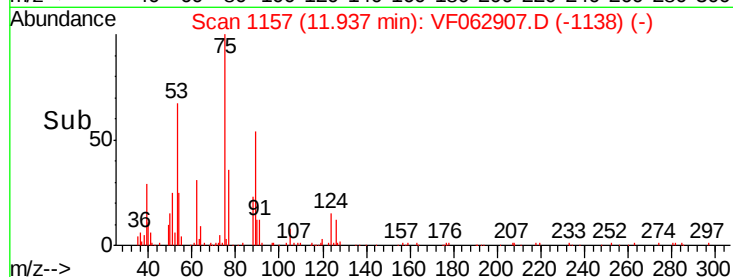
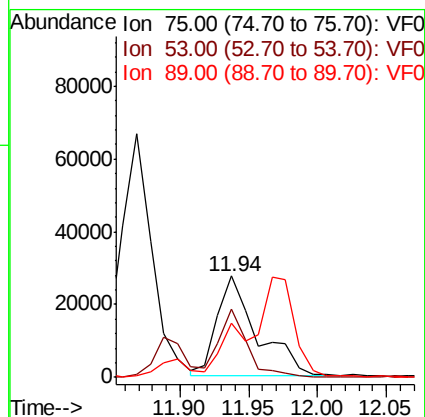
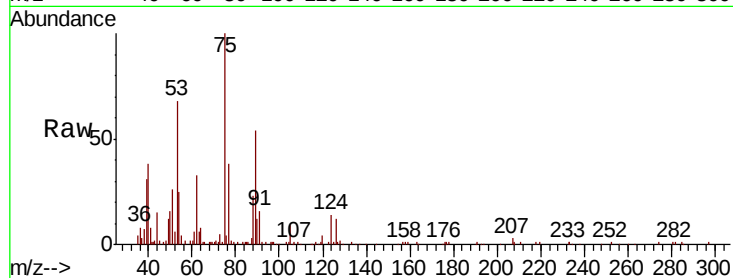
Tot Ion: 75 Resp: 55997

Ion Ratio Lower Upper

75 100

53 67.8 43.5 65.3#

89 53.8 34.3 51.5#



#82

4-Chlorotoluene

Concen: 20.387 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.02 min

Lab File: VF062907.D

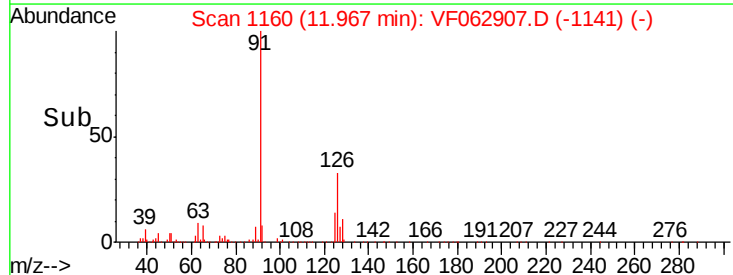
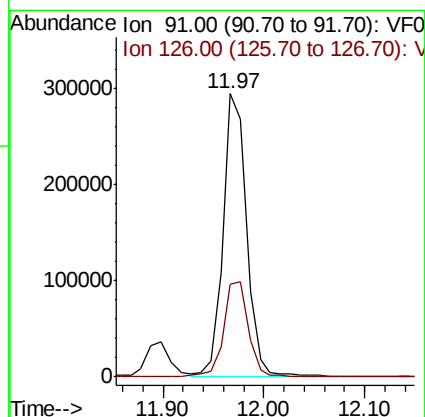
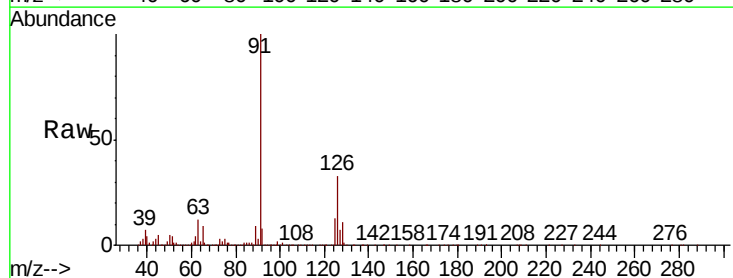
Acq: 10 Jun 2019 15:37

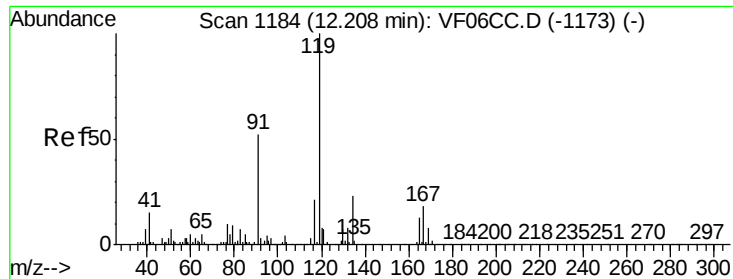
Tgt Ion: 91 Resp: 473770

Ion Ratio Lower Upper

91 100

126 32.8 19.1 57.1





#83

tert-Butylbenzene

Concen: 22.195 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

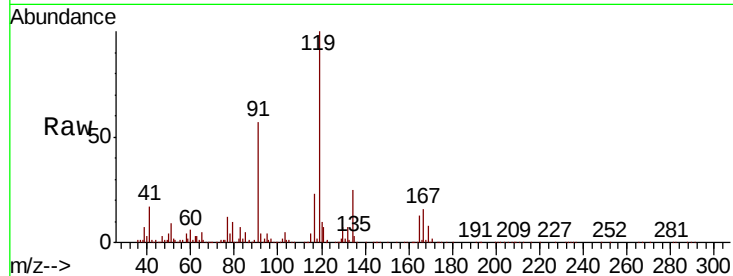
Tot Ion:119 Resp: 615581

Ion Ratio Lower Upper

119 100

91 56.9 28.9 86.7

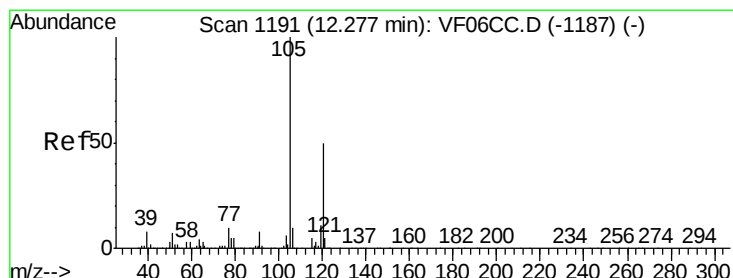
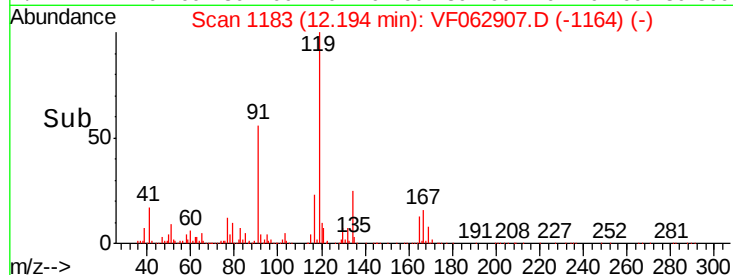
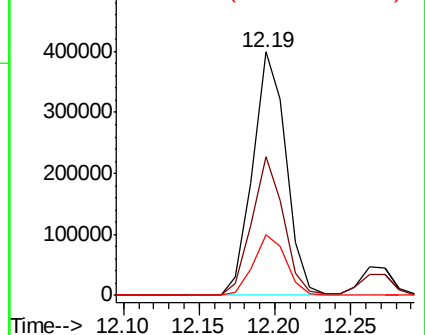
134 24.9 14.3 42.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.879 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VF062907.D

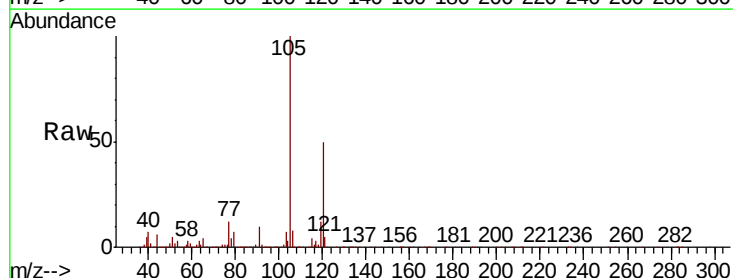
Acq: 10 Jun 2019 15:37

Tgt Ion:105 Resp: 554085

Ion Ratio Lower Upper

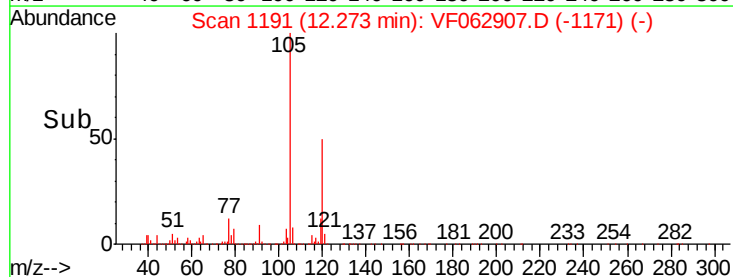
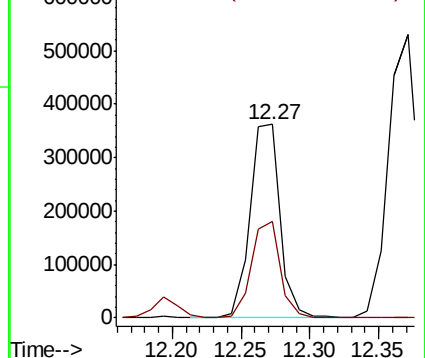
105 100

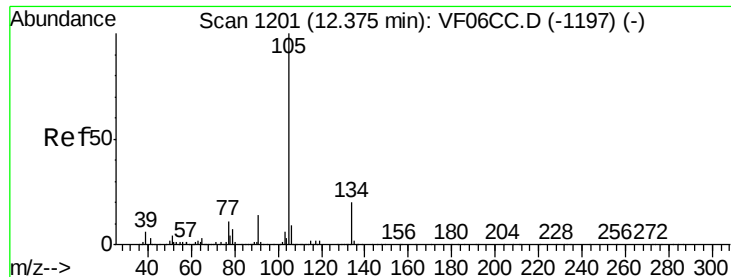
120 50.0 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.225 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

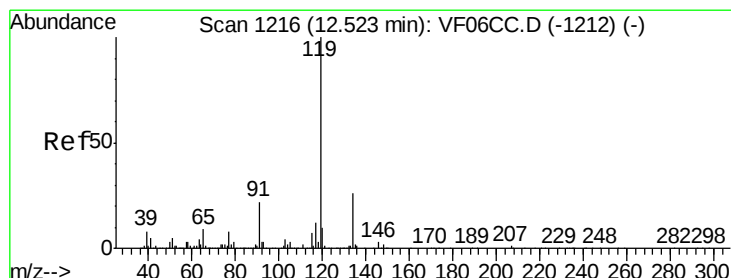
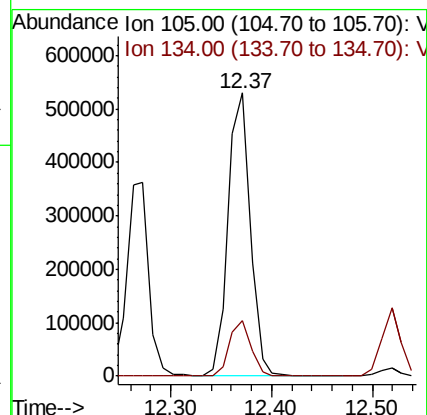
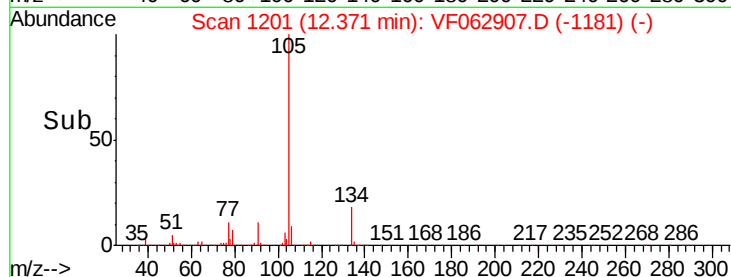
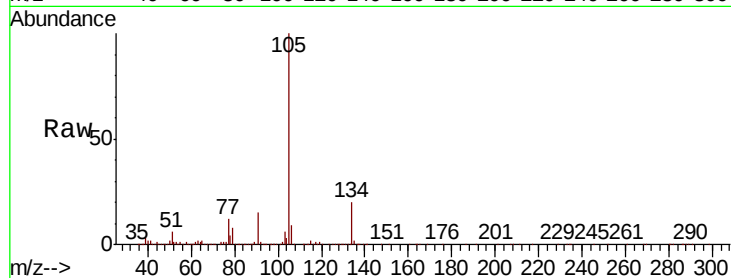
VF0610SBS01

Tot Ion:105 Resp: 812249

Ion Ratio Lower Upper

105 100

134 19.5 10.5 31.6



#86

p-Isopropyltoluene

Concen: 21.462 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

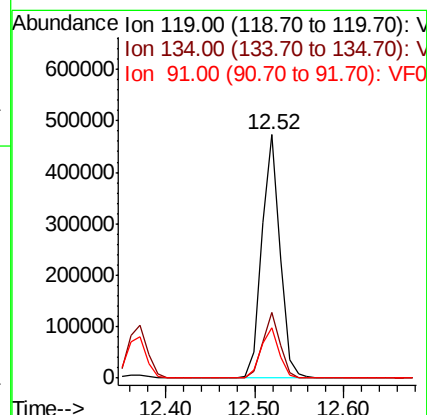
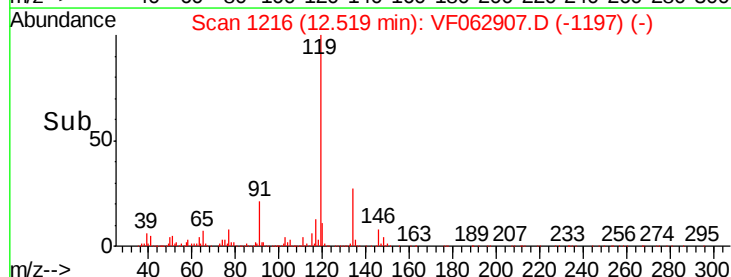
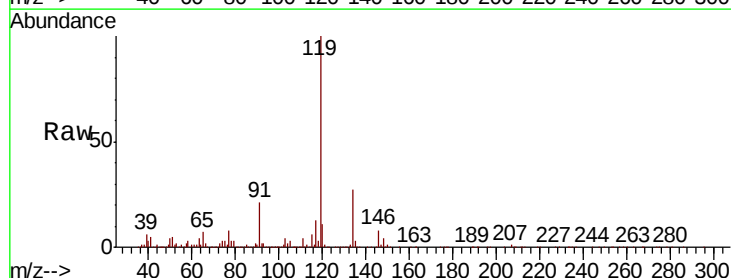
Tgt Ion:119 Resp: 652870

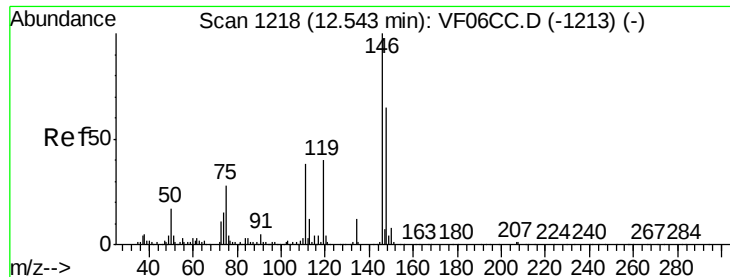
Ion Ratio Lower Upper

119 100

134 27.0 15.5 46.5

91 20.7 10.3 30.9

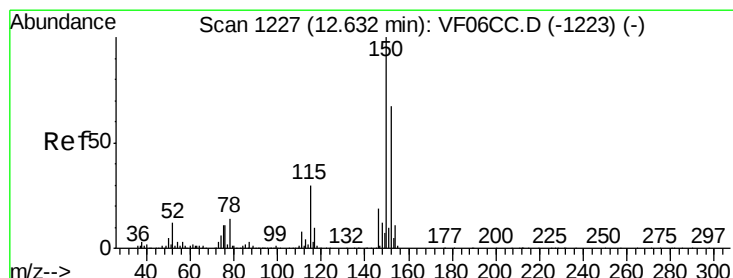
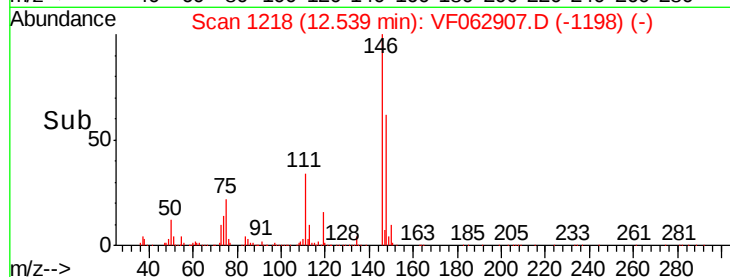
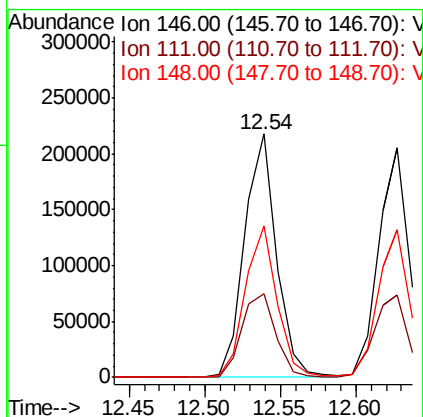
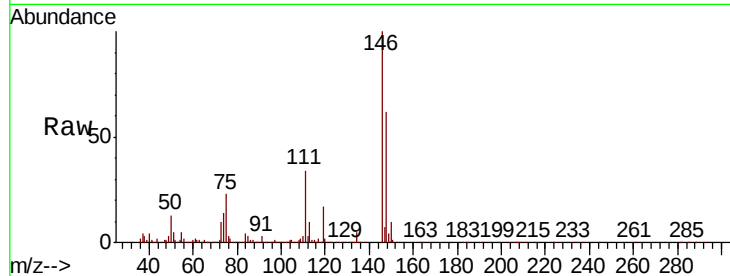




#87
 1,3-Dichlorobenzene
 Concen: 21.076 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

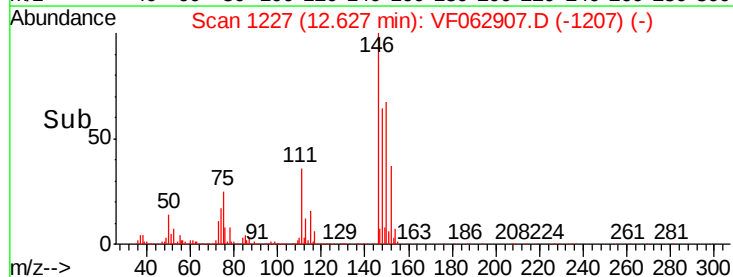
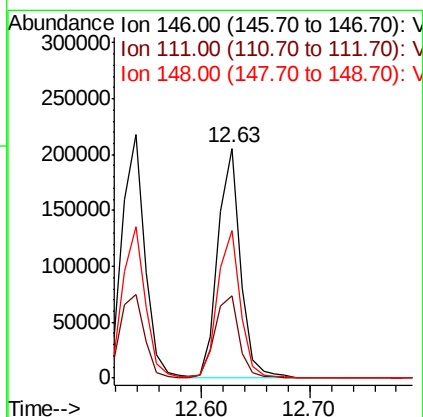
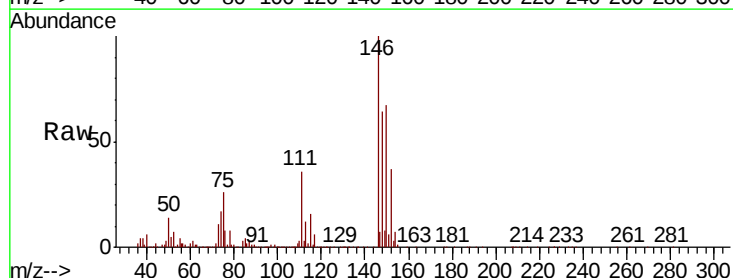
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBS01

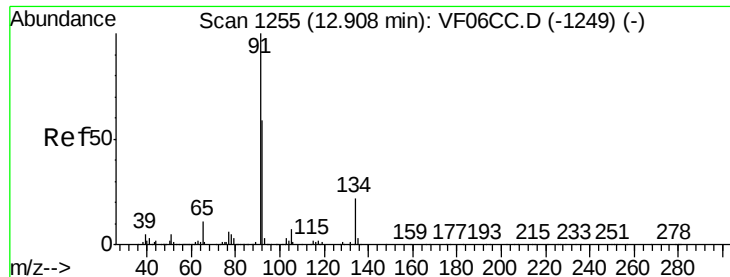
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.3	19.6	58.8
148	62.1	34.2	102.5



#88
 1,4-Dichlorobenzene
 Concen: 21.065 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	20.3	60.9
148	64.2	34.0	101.8





#89

n-Butylbenzene

Concen: 22.437 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

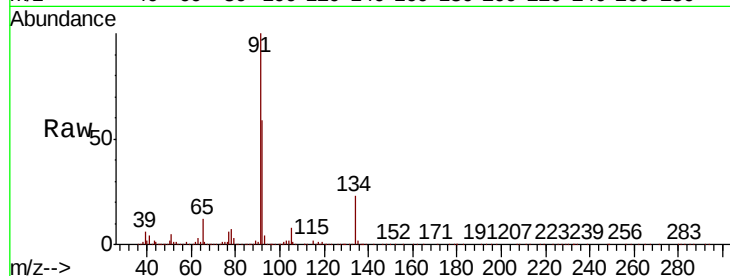
Tot Ion: 91 Resp: 686564

Ion Ratio Lower Upper

91 100

92 59.1 34.2 102.6

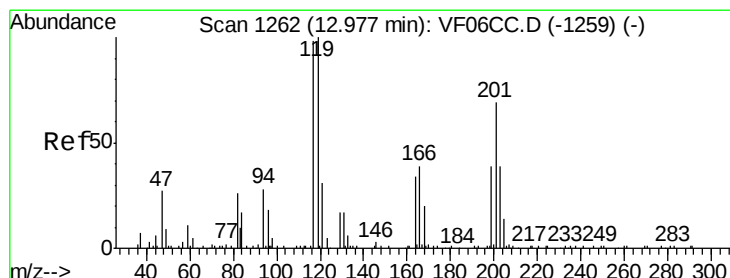
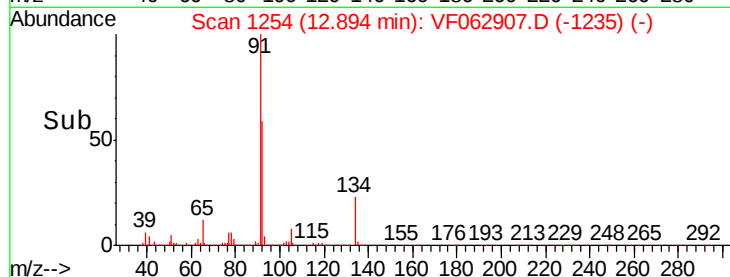
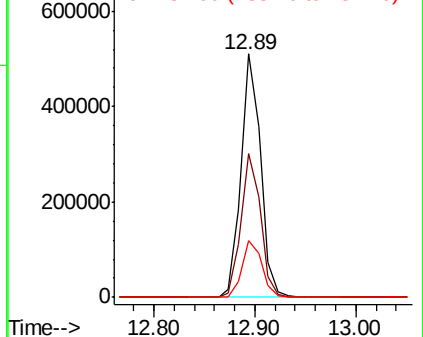
134 23.3 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 22.768 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VF062907.D

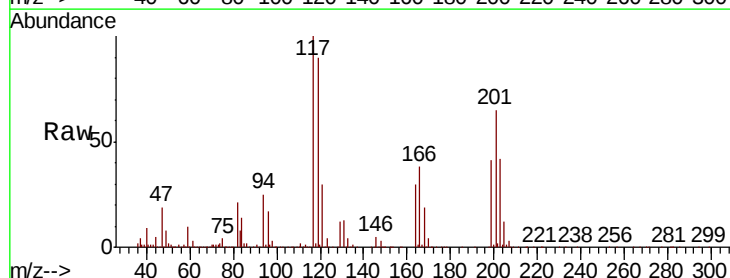
Acq: 10 Jun 2019 15:37

Tgt Ion: 117 Resp: 168920

Ion Ratio Lower Upper

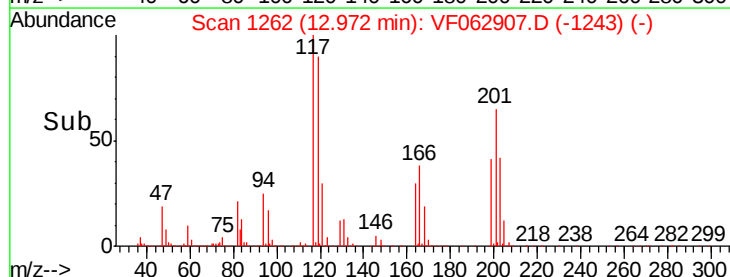
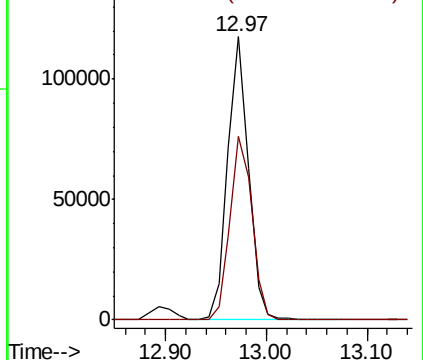
117 100

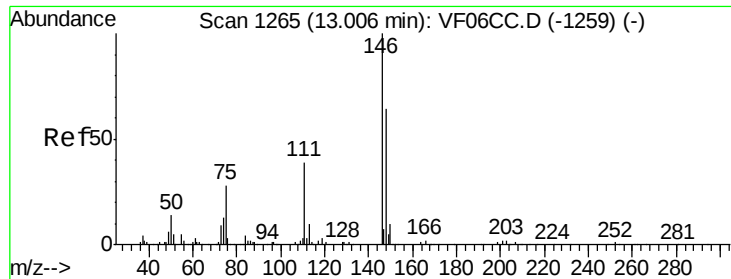
201 64.8 38.9 116.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 21.228 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

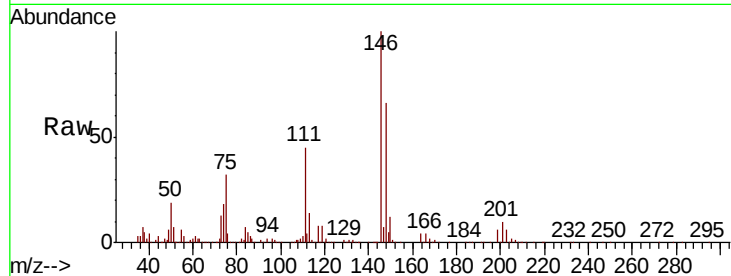
Tot Ion:146 Resp: 282988

Ion Ratio Lower Upper

146 100

111 45.4 20.4 61.3

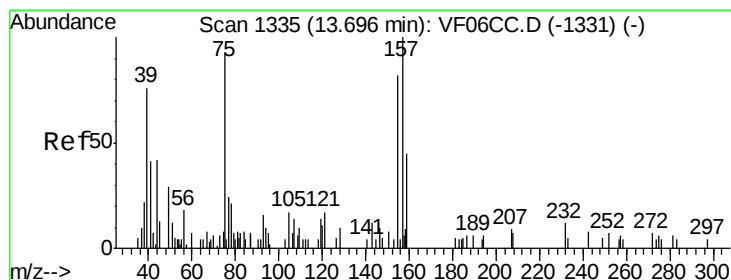
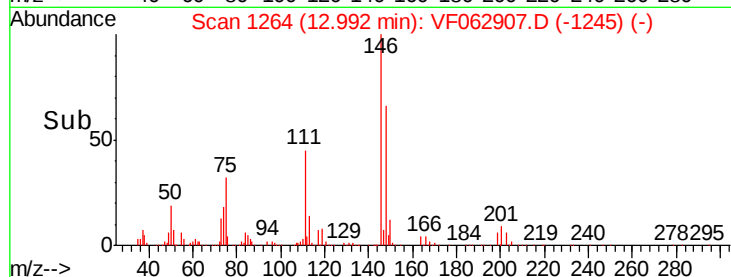
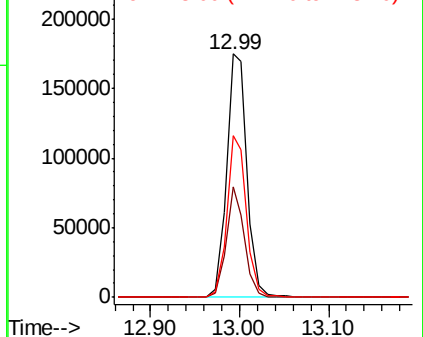
148 66.3 34.1 102.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 25.805 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

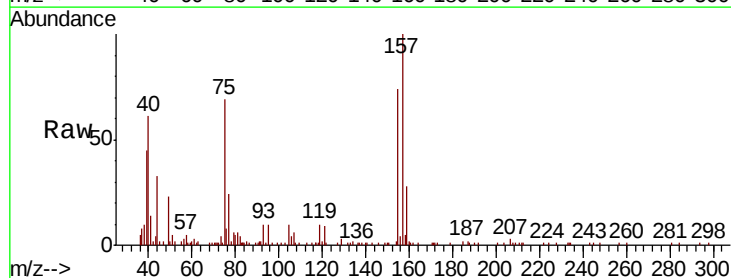
Tgt Ion: 75 Resp: 20549

Ion Ratio Lower Upper

75 100

155 106.0 51.7 155.1

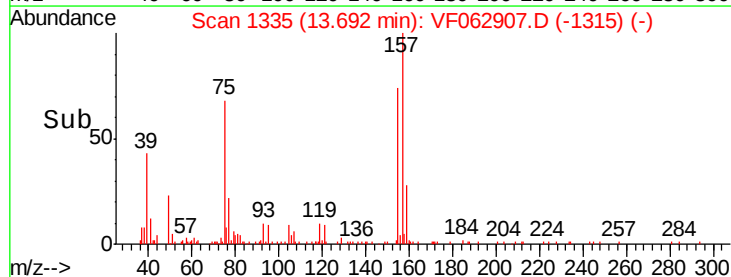
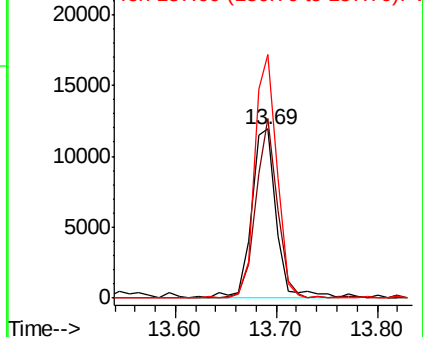
157 144.0 66.8 200.6

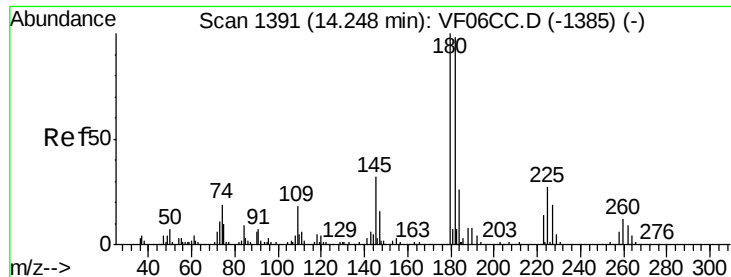


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

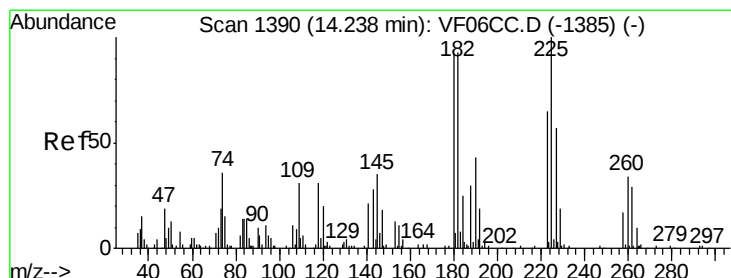
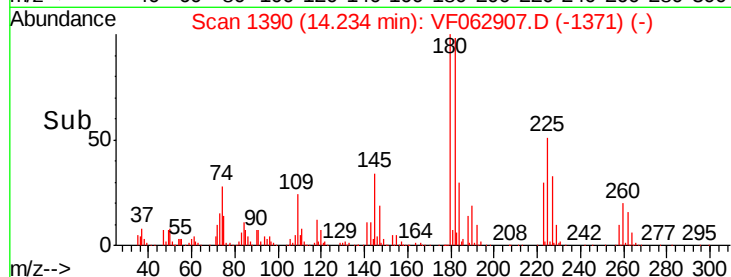
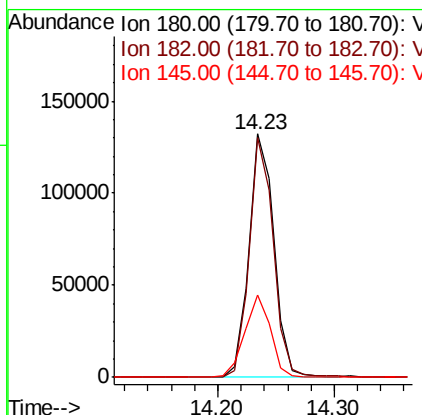
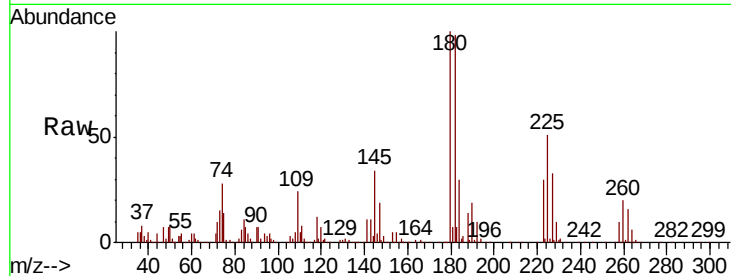




#93
 1,2,4-Trichlorobenzene
 Concen: 21.500 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

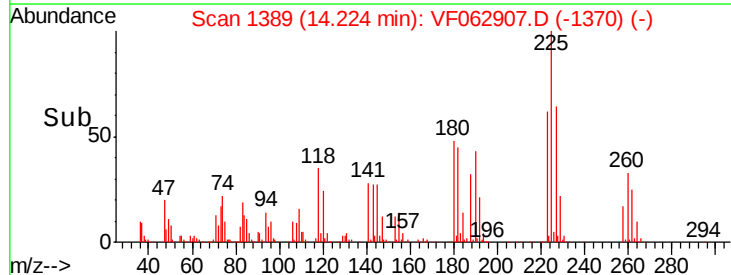
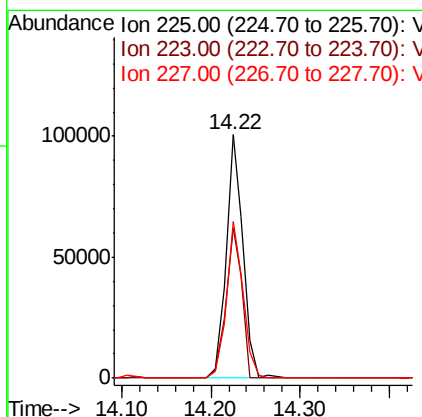
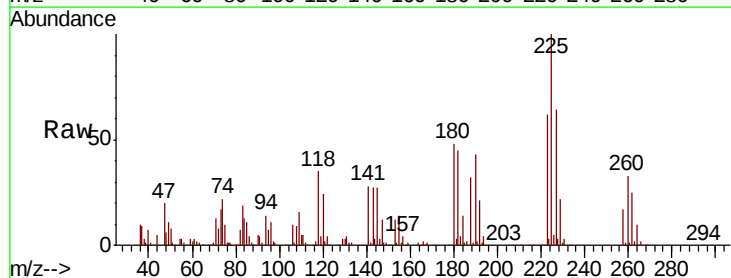
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBS01

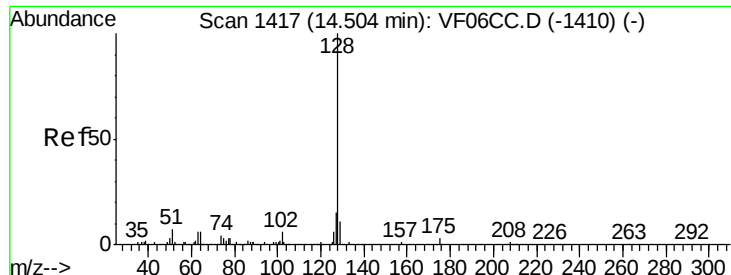
Tot Ion:180 Resp: 196786
 Ion Ratio Lower Upper
 180 100
 182 98.3 50.3 150.9
 145 33.7 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 21.250 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Tgt Ion:225 Resp: 134556
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.8 92.4
 227 64.4 31.9 95.5

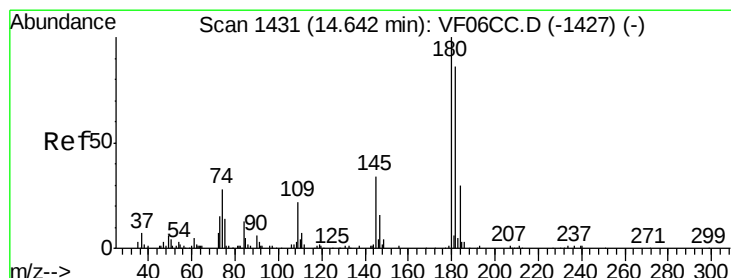
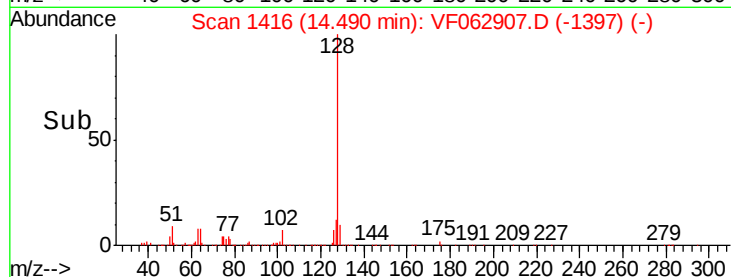
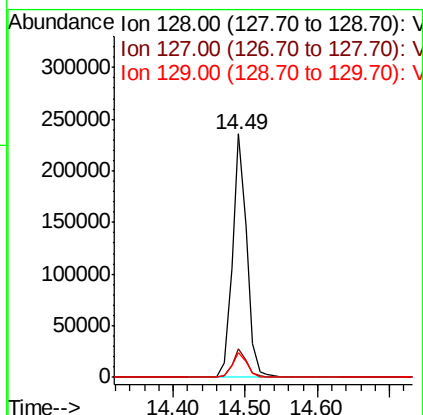
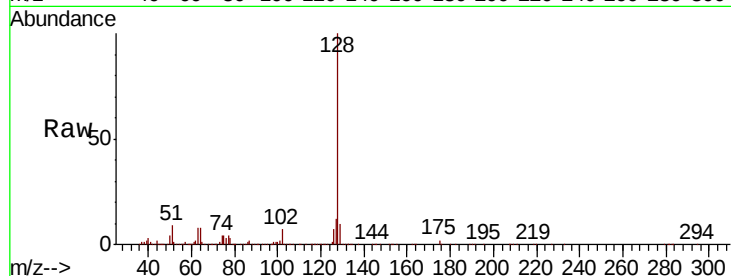




#95
Naphthalene
Concen: 21.742 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion:128 Resp: 326030
Ion Ratio Lower Upper
128 100
127 11.9 9.7 14.5
129 10.3 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 21.317 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion:180 Resp: 178106
Ion Ratio Lower Upper
180 100
182 95.3 48.6 145.9
145 29.3 15.7 47.0

