

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062861.D
 Acq On : 5 Jun 2019 13:20
 Operator : FY/SY
 Sample : VF0605SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 06 08:00:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	805489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1347079	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	1169894	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	546777	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	278022	49.91	ug/l	0.00
Spiked Amount						
			Recovery	=	99.82%	
35) Dibromofluoromethane	4.32	113	526049	51.68	ug/l	-0.02
Spiked Amount						
			Recovery	=	103.36%	
50) Toluene-d8	7.72	98	1247885	48.48	ug/l	-0.02
Spiked Amount						
			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	11.50	95	482047	52.06	ug/l	0.00
Spiked Amount						
			Recovery	=	104.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	218974	21.578	ug/l	97
3) Chloromethane	1.14	50	174542	20.942	ug/l	96
4) Vinyl Chloride	1.19	62	176169	21.271	ug/l	99
5) Bromomethane	1.40	94	98597	20.874	ug/l	83
6) Chloroethane	1.46	64	60549	19.553	ug/l	100
7) Trichlorofluoromethane	1.55	101	259246	22.111	ug/l	90
8) Diethyl Ether	1.72	74	44244	19.180	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.93	101	156956	21.292	ug/l	98
10) Methyl Iodide	2.01	142	240650	16.282	ug/l	92
11) Tert butyl alcohol	2.72	59	34537	102.354	ug/l #	81
12) 1,1-Dichloroethene	1.88	96	132298	19.765	ug/l	93
13) Acrolein	2.11	56	12915	90.592	ug/l	94
14) Allyl chloride	2.21	41	121204	23.340	ug/l	97
15) Acrylonitrile	3.10	53	152199	120.040	ug/l	97
16) Acetone	2.37	43	115434	90.547	ug/l	91
17) Carbon Disulfide	1.91	76	404382	20.670	ug/l	98
18) Methyl Acetate	2.47	43	50781	22.794	ug/l #	88
19) Methyl tert-butyl Ether	2.56	73	259060	21.362	ug/l	97
20) Methylene Chloride	2.37	84	92639	12.257	ug/l	96
21) trans-1,2-Dichloroethene	2.43	96	138646	20.658	ug/l	93
22) Diisopropyl ether	2.95	45	288686	19.567	ug/l	94
23) Vinyl Acetate	3.36	43	1050868	104.043	ug/l	99
24) 1,1-Dichloroethane	3.03	63	246043	22.336	ug/l	99
25) 2-Butanone	4.54	43	299302	100.815	ug/l	98
26) 2,2-Dichloropropane	3.79	77	142633	22.804	ug/l	86
27) cis-1,2-Dichloroethene	3.66	96	241019	21.364	ug/l	97
28) Bromochloromethane	3.91	49	119830	19.999	ug/l	100
29) Tetrahydrofuran	4.29	42	120431	106.060	ug/l	98
30) Chloroform	4.06	83	336553	21.678	ug/l	93
31) Cyclohexane	3.88	56	172442	11.563	ug/l	92
32) 1,1,1-Trichloroethane	4.31	97	213871	23.661	ug/l	96
36) 1,1-Dichloropropene	4.49	75	265795	21.433	ug/l	97
37) Ethyl Acetate	4.32	43	107515	22.680	ug/l	91
38) Carbon Tetrachloride	4.20	117	174626	20.836	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062861.D
 Acq On : 5 Jun 2019 13:20
 Operator : FY/SY
 Sample : VF0605SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 06 08:00:06 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)
39) Methylcyclohexane	5.65	83	308874	20.012	ug/l	99
40) Benzene	4.84	78	752307	20.844	ug/l	100
41) Methacrylonitrile	4.95	41	50835	19.290	ug/l	97
42) 1,2-Dichloroethane	5.14	62	148155	21.583	ug/l	92
43) Isopropyl Acetate	7.13	43	126038	20.127	ug/l #	94
44) Trichloroethene	5.70	130	218498	21.451	ug/l	94
45) 1,2-Dichloropropane	6.43	63	191340	21.126	ug/l	91
46) Dibromomethane	6.27	93	110883	20.969	ug/l	95
47) Bromodichloromethane	6.57	83	231201	21.469	ug/l	91
48) Methyl methacrylate	6.89	41	65126	20.179	ug/l	93
49) 1,4-Dioxane	6.89	88	17868	420.028	ug/l #	83
51) 4-Methyl-2-Pentanone	8.42	43	515819	115.373	ug/l	99
52) Toluene	7.79	92	407422	20.959	ug/l	90
53) t-1,3-Dichloropropene	8.44	75	199600	22.367	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	275122	21.298	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	126243	21.738	ug/l	93
56) Ethyl methacrylate	8.76	69	128024	20.545	ug/l	98
57) 1,3-Dichloropropane	9.01	76	209938	22.137	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.46	63	222711	102.266	ug/l	100
59) 2-Hexanone	9.63	43	371722	116.648	ug/l	97
60) Dibromochloromethane	8.87	129	148594	20.667	ug/l	90
61) 1,2-Dibromoethane	9.14	107	135093	22.398	ug/l	99
64) Tetrachloroethene	8.32	164	174231	19.381	ug/l	94
65) Chlorobenzene	9.95	112	455756	20.173	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	175805	19.539	ug/l	96
67) Ethyl Benzene	10.04	91	770493	19.874	ug/l	98
68) m/p-Xylenes	10.27	106	583536	39.333	ug/l	87
69) o-Xylene	10.82	106	290655	19.350	ug/l	93
70) Styrene	10.90	104	453382	20.478	ug/l	98
71) Bromoform	10.88	173	82423	19.096	ug/l #	98
73) Isopropylbenzene	11.22	105	817507	21.428	ug/l	91
74) N-amyl acetate	11.45	43	220454	20.502	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	174381	21.403	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	112226	20.780	ug/l	100
77) Bromobenzene	11.58	156	193215	20.156	ug/l	79
78) n-propylbenzene	11.68	91	988189	21.452	ug/l	95
79) 2-Chlorotoluene	11.80	91	538889	20.445	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	656778	21.050	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	61999	27.116	ug/l	96
82) 4-Chlorotoluene	11.98	91	536428	20.708	ug/l	93
83) tert-Butylbenzene	12.20	119	651670	21.079	ug/l	92
84) 1,2,4-Trimethylbenzene	12.27	105	637257	21.542	ug/l	93
85) sec-Butylbenzene	12.37	105	869160	21.336	ug/l	94
86) p-Isopropyltoluene	12.52	119	728261	21.478	ug/l	93
87) 1,3-Dichlorobenzene	12.54	146	359435	21.261	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	320024	20.284	ug/l	100
89) n-Butylbenzene	12.90	91	732620	21.479	ug/l	89
90) Hexachloroethane	12.98	117	171044	20.682	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	305795	20.579	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	18545	20.893	ug/l	90

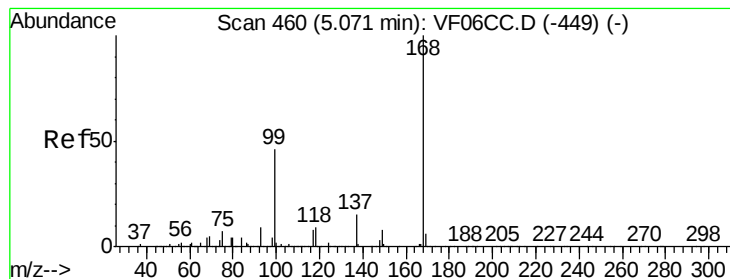
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
Data File : VF062861.D
Acq On : 5 Jun 2019 13:20
Operator : FY/SY
Sample : VF0605SBS01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 06 08:00:06 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	14.24	180	203893	19.984	ug/l	93
94) Hexachlorobutadiene	14.23	225	138685	19.649	ug/l	97
95) Naphthalene	14.50	128	305383	18.270	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	178154	19.129	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

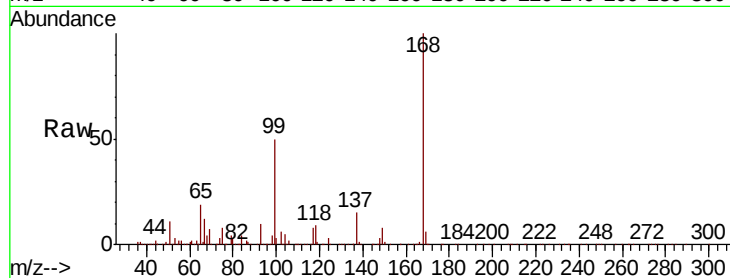
ClientSampled :

Tot Ion:168 Resp: 805489

Ion Ratio Lower Upper

168 100

99 50.2 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

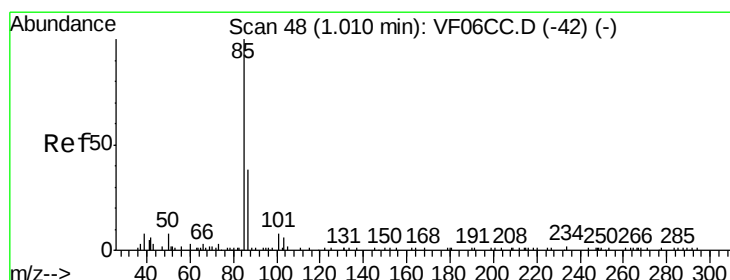
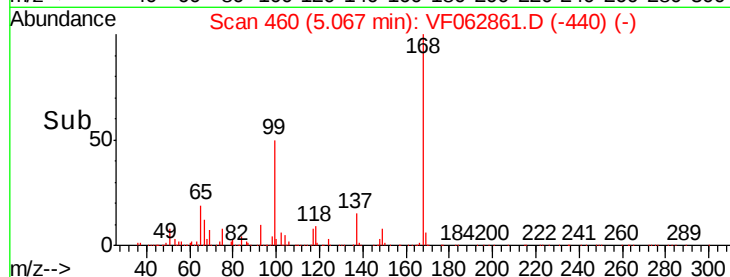
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.578 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF062861.D

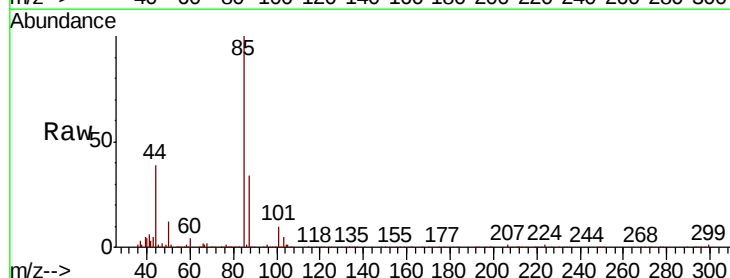
Acq: 5 Jun 2019 13:20

Tgt Ion: 85 Resp: 218974

Ion Ratio Lower Upper

85 100

87 33.5 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

60000

50000

40000

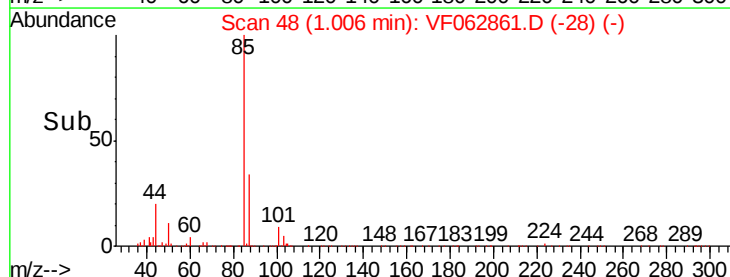
30000

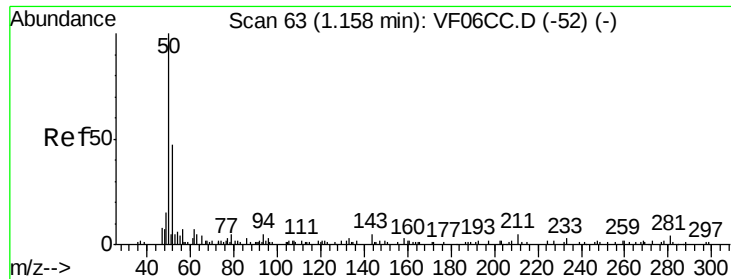
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.942 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

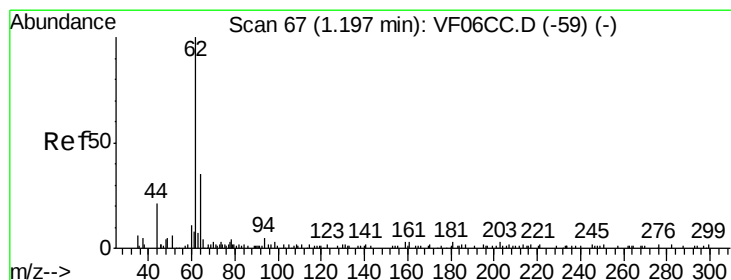
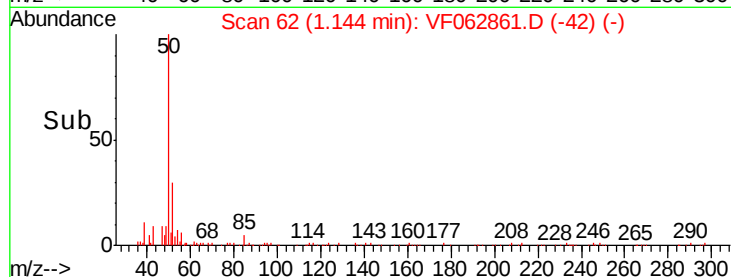
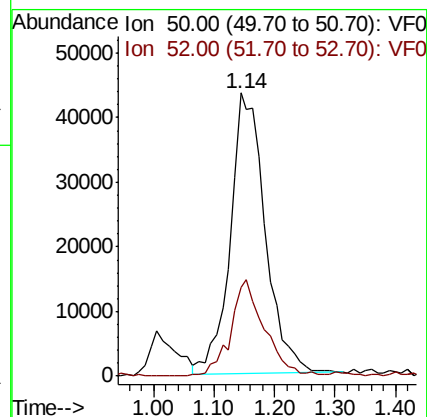
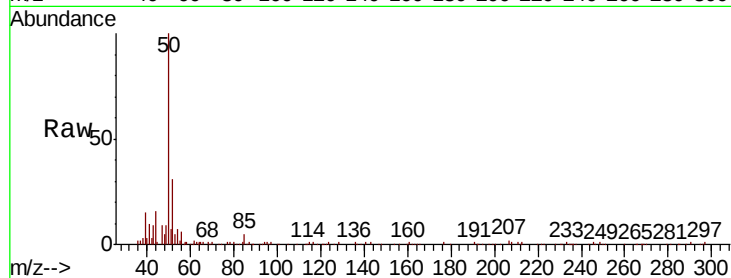
ClientSampleId :

Tot Ion: 50 Resp: 174542

Ion Ratio Lower Upper

50 100

52 31.2 27.0 40.4



#4

Vinyl Chloride

Concen: 21.271 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062861.D

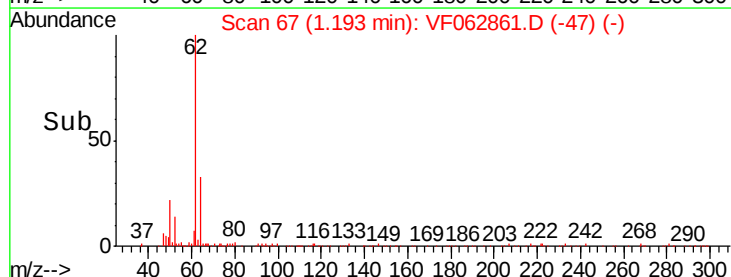
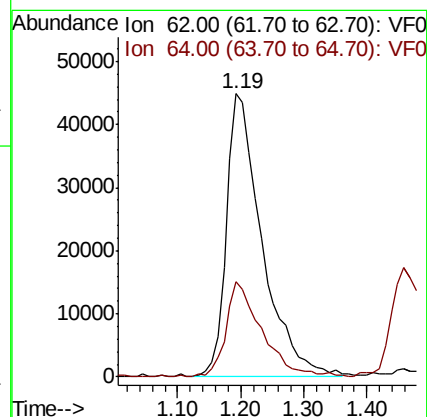
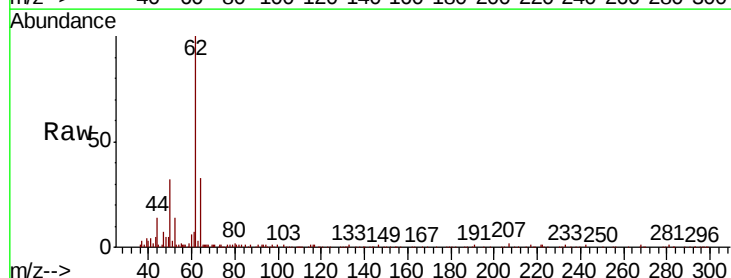
Acq: 5 Jun 2019 13:20

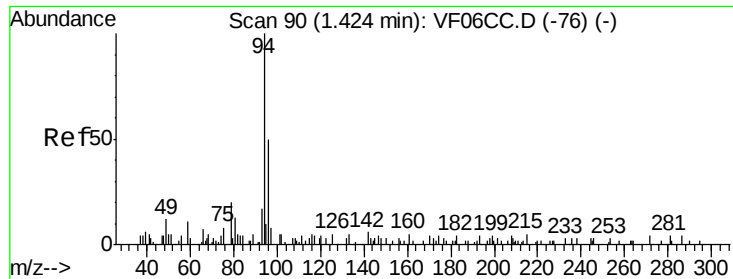
Tgt Ion: 62 Resp: 176169

Ion Ratio Lower Upper

62 100

64 33.4 26.2 39.2





#5

Bromomethane

Concen: 20.874 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

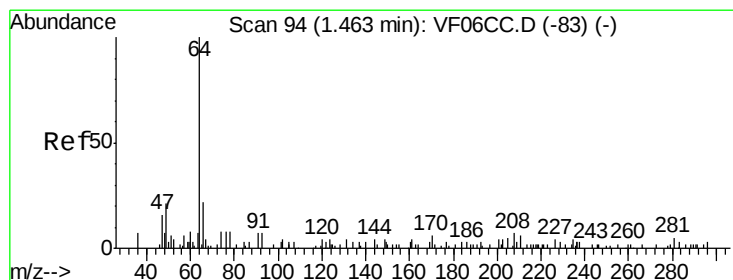
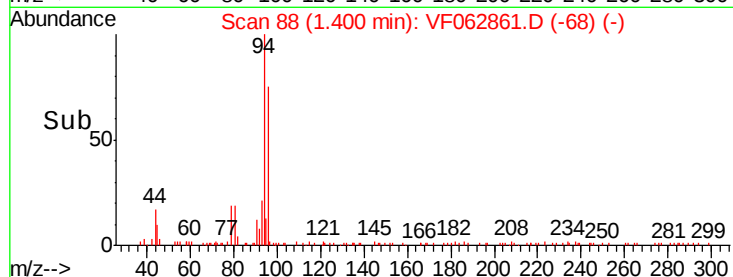
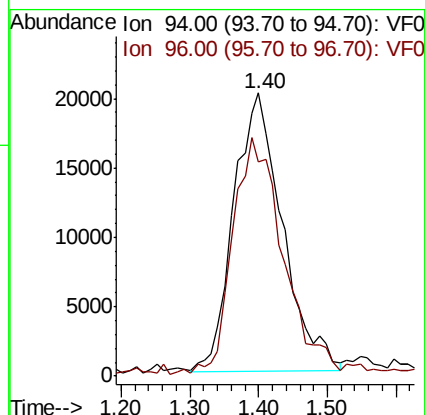
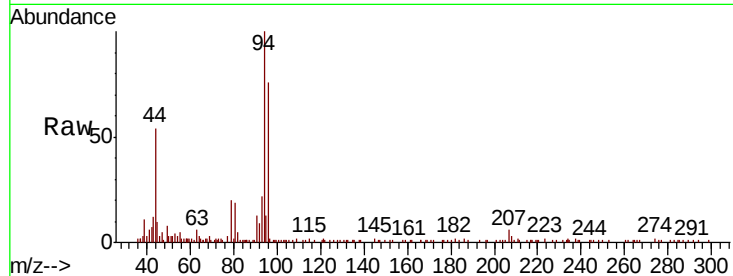
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 98597

Ion Ratio Lower Upper

94 100

96 75.8 73.8 110.6



#6

Chloroethane

Concen: 19.553 ug/l

RT: 1.46 min Scan# 94

Delta R.T. -0.01 min

Lab File: VF062861.D

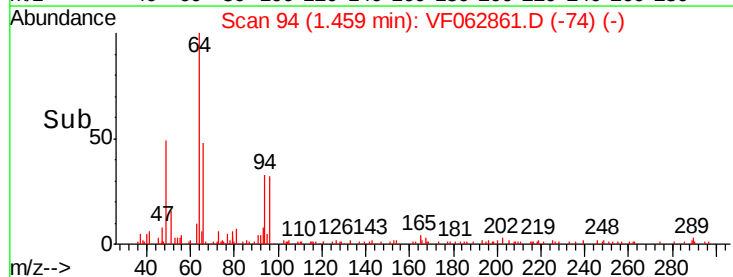
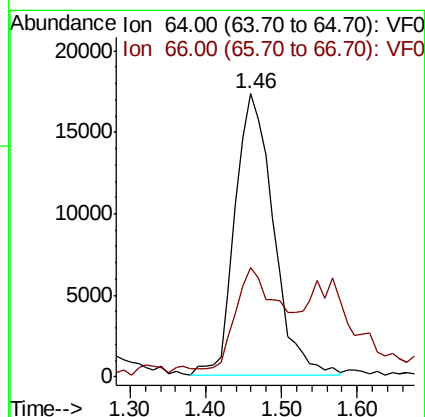
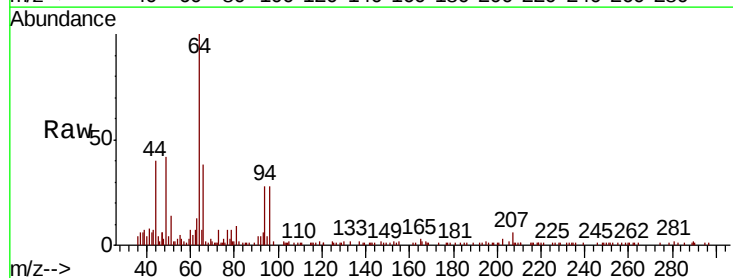
Acq: 5 Jun 2019 13:20

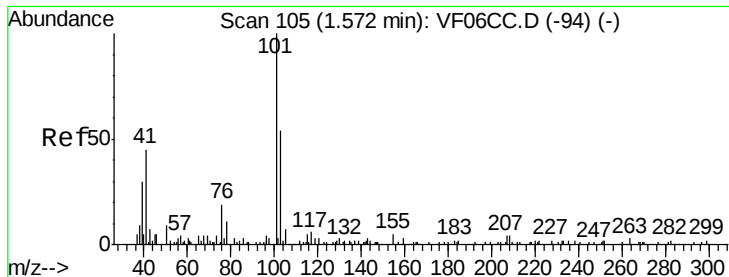
Tgt Ion: 64 Resp: 60549

Ion Ratio Lower Upper

64 100

66 38.4 31.0 46.4



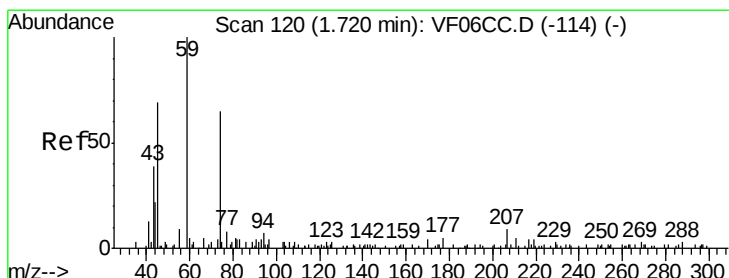
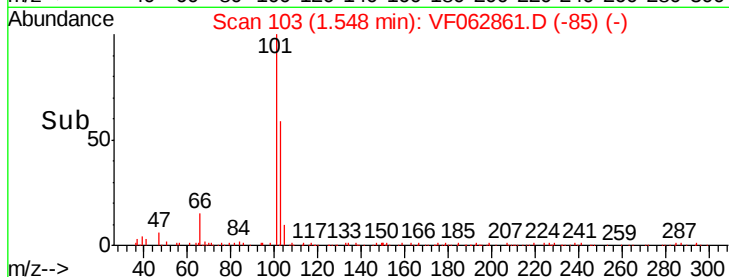
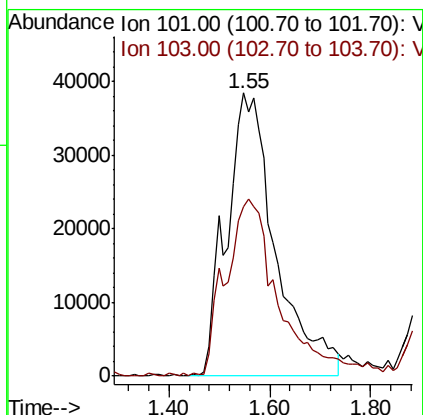
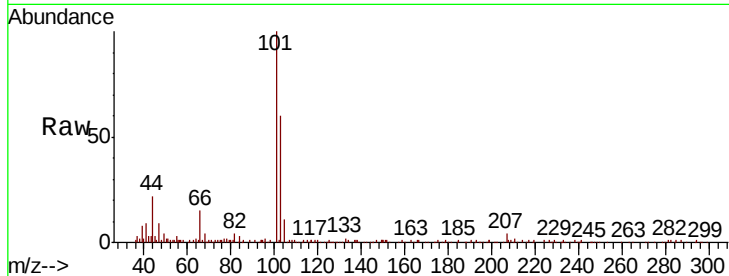


#7

Trichlorofluoromethane
Concen: 22.111 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.03 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

Instrument :
MSVOA_F
ClientSampleId :

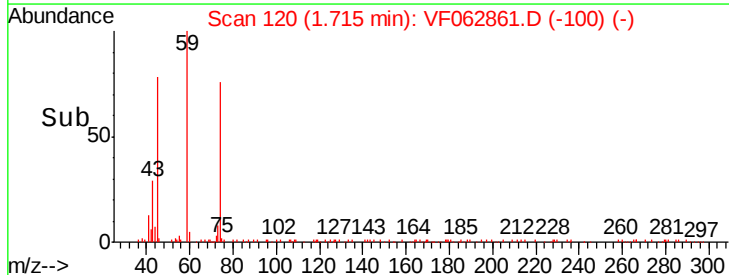
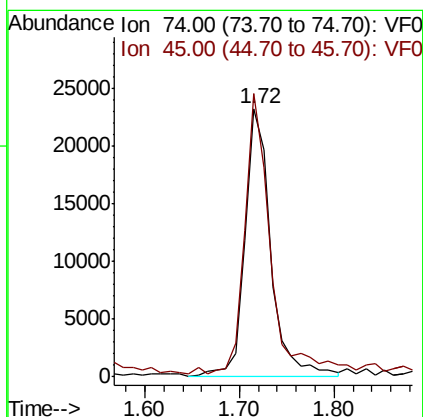
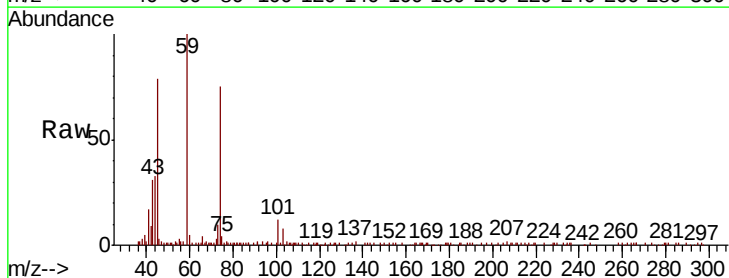
Tot Ion:101 Resp: 259246
Ion Ratio Lower Upper
101 100
103 60.0 54.6 82.0

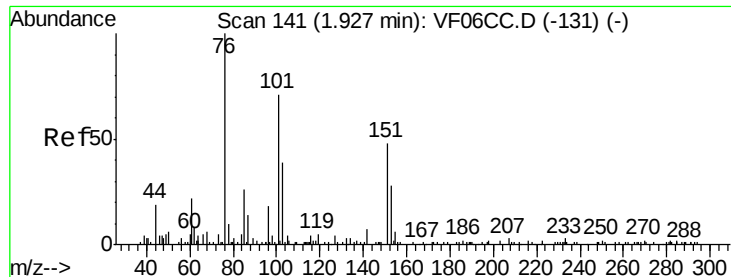


#8

Diethyl Ether
Concen: 19.180 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

Tgt Ion: 74 Resp: 44244
Ion Ratio Lower Upper
74 100
45 105.4 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.292 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

ClientSampled :

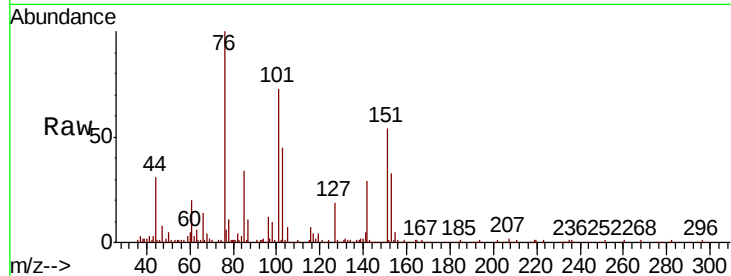
Tot Ion:101 Resp: 156956

Ion Ratio Lower Upper

101 100

85 47.2 37.1 55.7

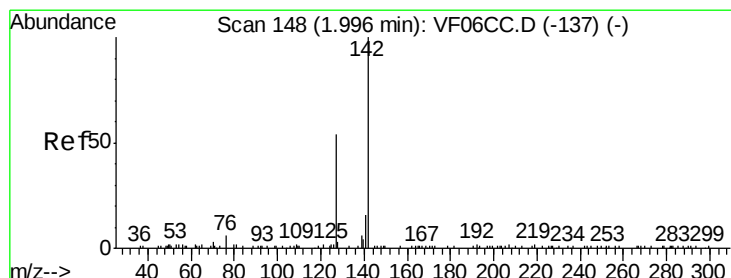
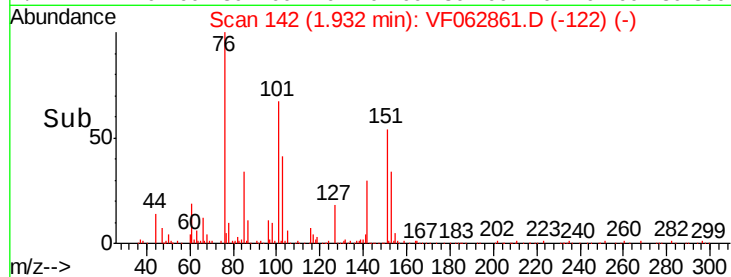
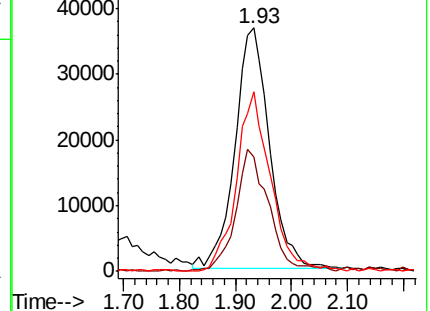
151 73.6 60.3 90.5



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: 16.282 ug/l

RT: 2.01 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

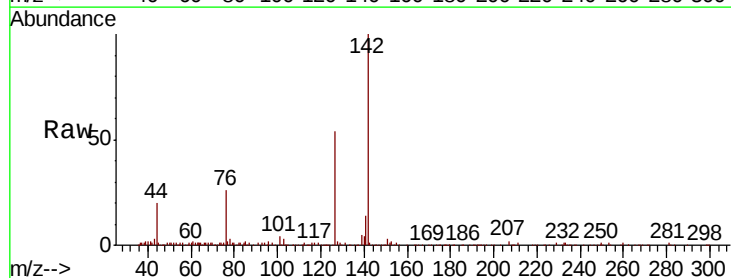
Tgt Ion:142 Resp: 240650

Ion Ratio Lower Upper

142 100

127 55.5 39.4 59.2

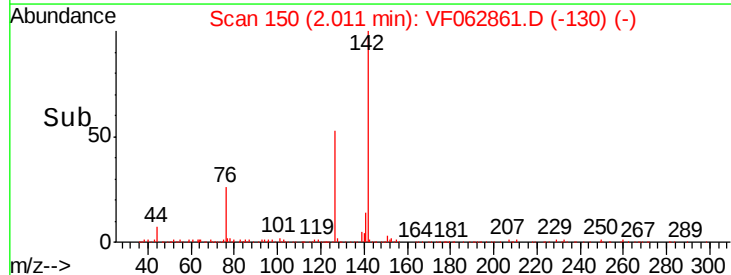
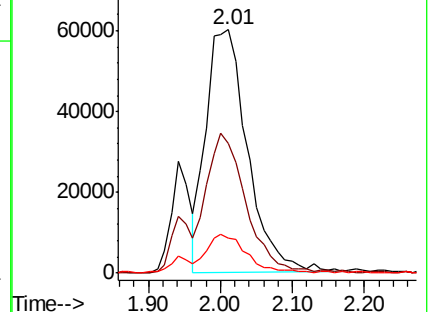
141 14.1 10.6 15.8

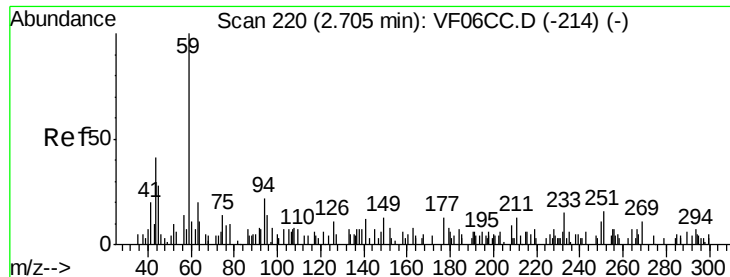


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



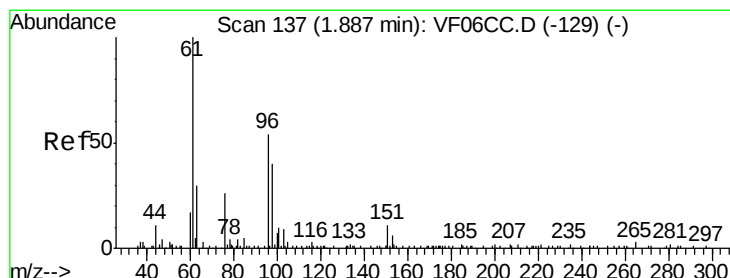
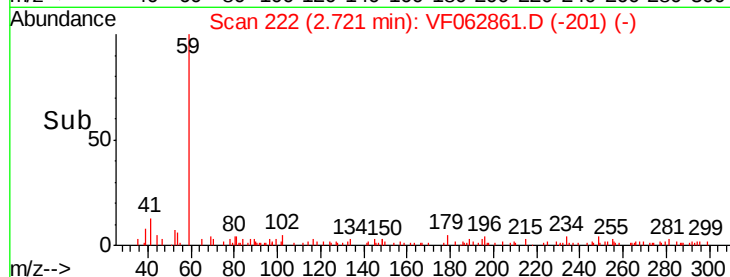
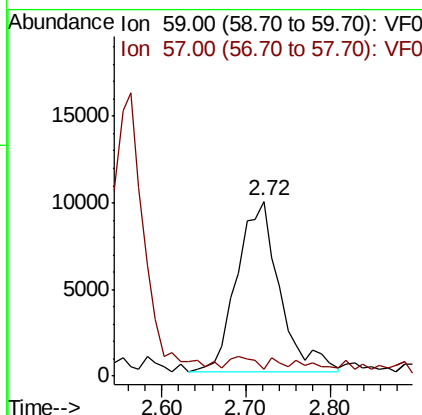
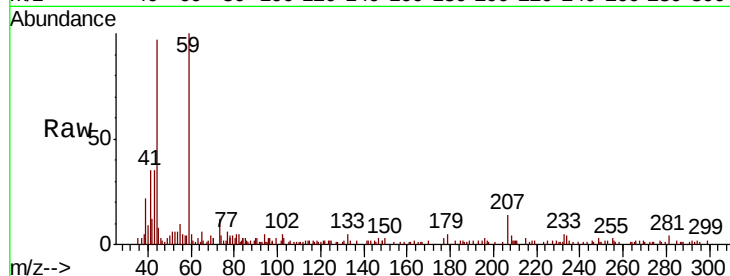


#11

Tert butyl alcohol
 Concen: 102.354 ug/l
 RT: 2.72 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VF062861.D
 Acq: 5 Jun 2019 13:20

Instrument :
 MSVOA_F
 ClientSampled :

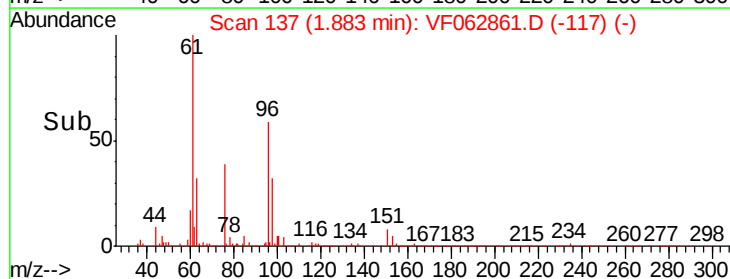
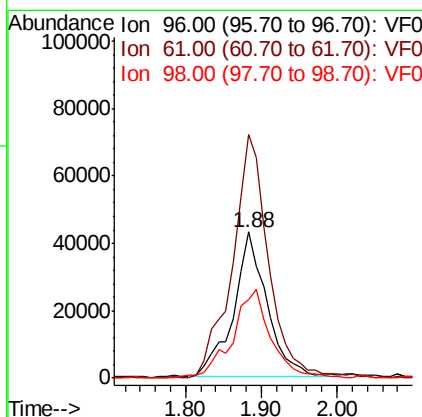
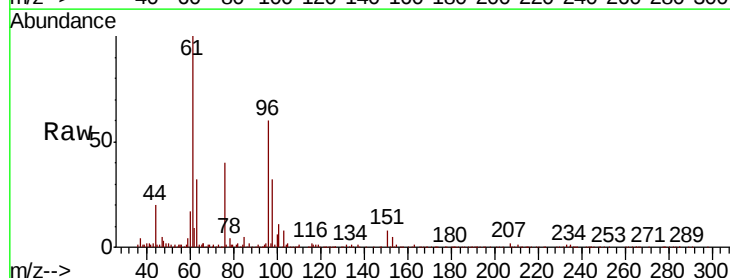
Tot Ion: 59 Resp: 34537
 Ion Ratio Lower Upper
 59 100
 57 4.2 9.2 13.8#

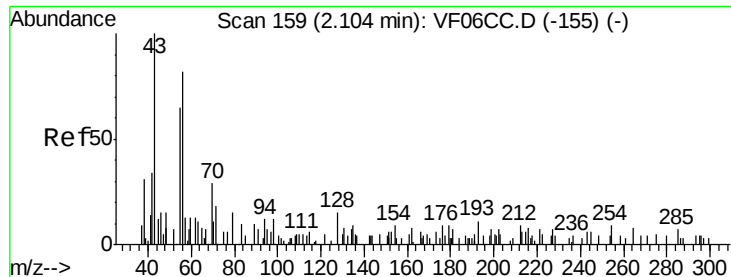


#12

1,1-Dichloroethene
 Concen: 19.765 ug/l
 RT: 1.88 min Scan# 137
 Delta R.T. -0.01 min
 Lab File: VF062861.D
 Acq: 5 Jun 2019 13:20

Tgt Ion: 96 Resp: 132298
 Ion Ratio Lower Upper
 96 100
 61 166.9 139.4 209.2
 98 54.2 50.3 75.5

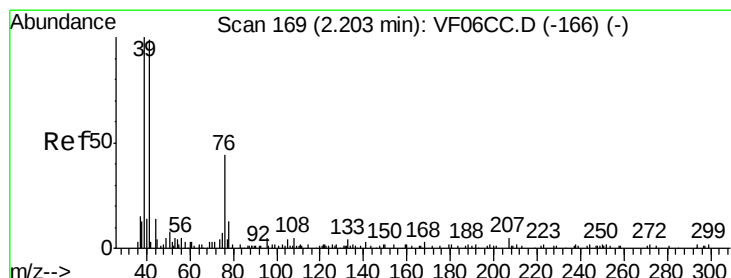
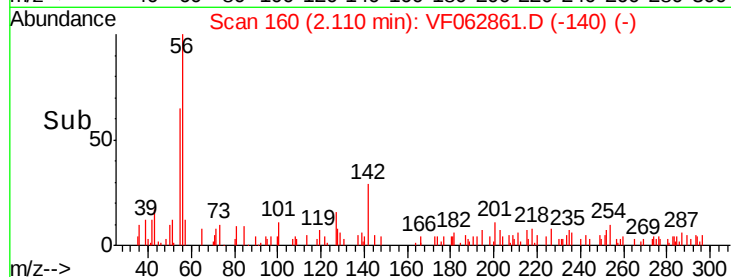
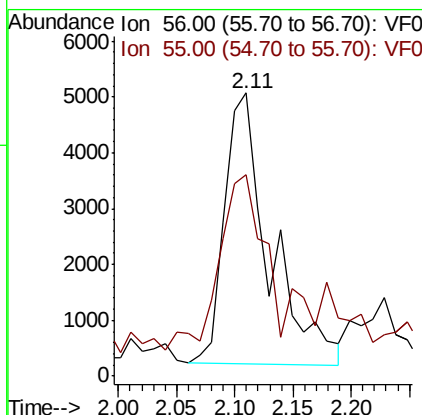
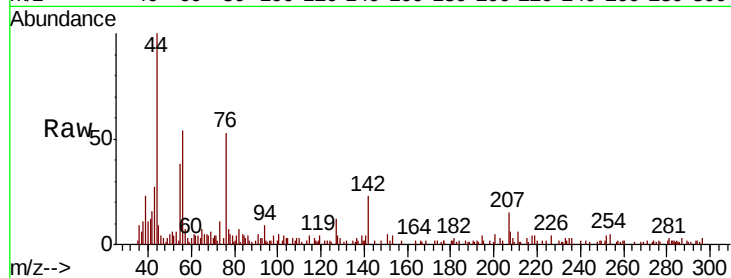




#13
Acrolein
Concen: 90.592 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.01 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

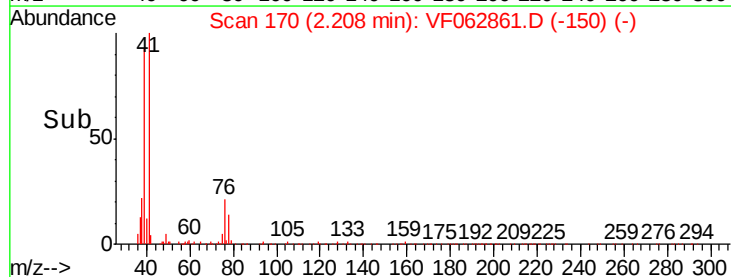
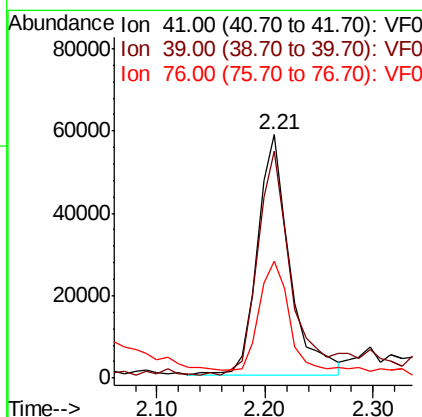
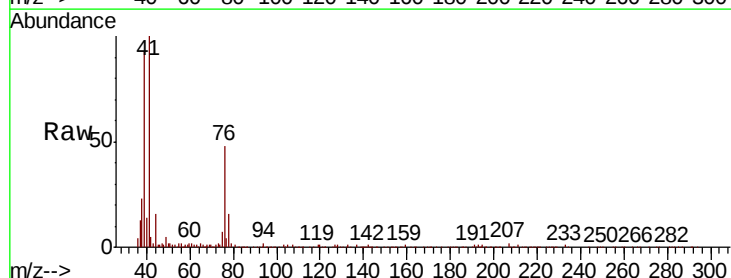
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 12915
Ion Ratio Lower Upper
56 100
55 71.0 52.9 79.3



#14
Allyl chloride
Concen: 23.340 ug/l
RT: 2.21 min Scan# 170
Delta R.T. -0.01 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

Tgt Ion: 41 Resp: 121204
Ion Ratio Lower Upper
41 100
39 93.0 71.9 107.9
76 47.9 39.6 59.4





#15

Acrylonitrile

Concen: 120.040 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.02 min

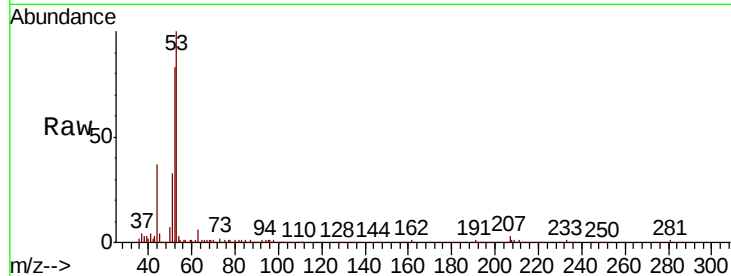
Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 152199

Ion	Ratio	Lower	Upper
53	100		
52	82.6	68.1	102.1
51	32.6	27.7	41.5

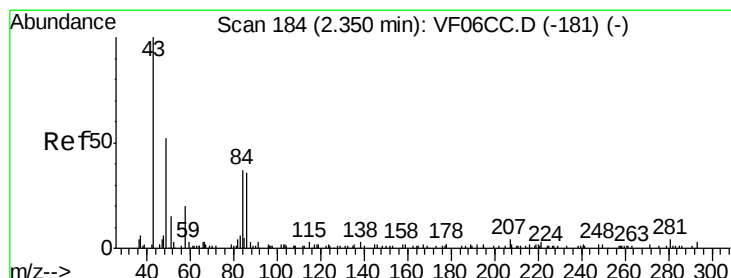
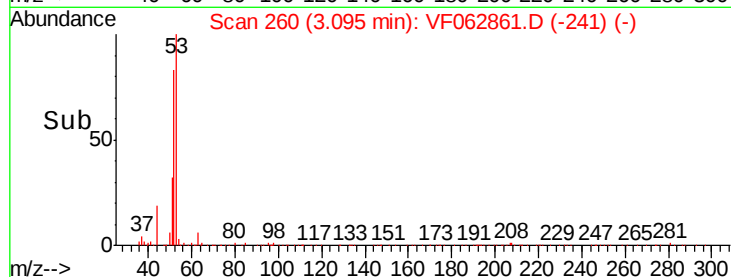
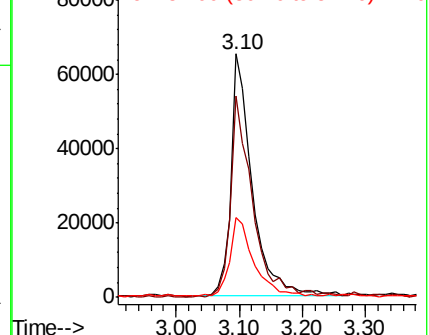


Abundance

Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 90.547 ug/l

RT: 2.37 min Scan# 186

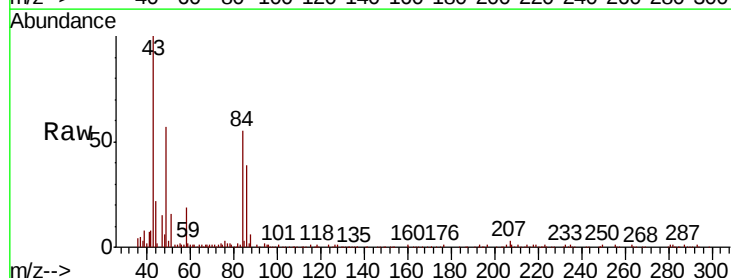
Delta R.T. 0.00 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Tgt Ion: 43 Resp: 115434

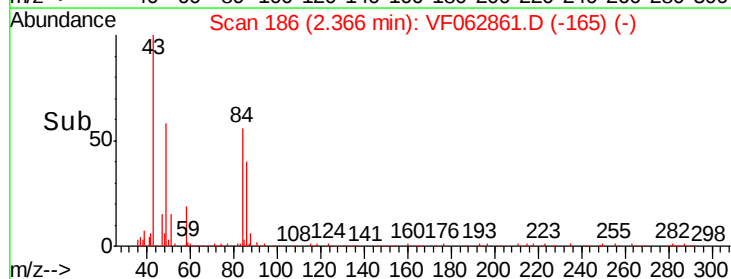
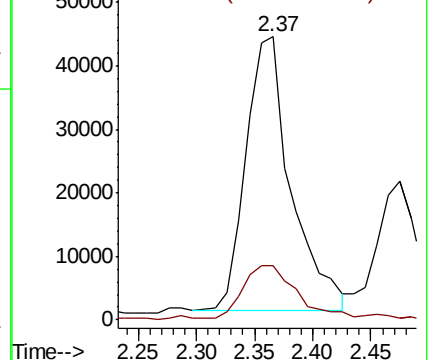
Ion	Ratio	Lower	Upper
43	100		
58	19.1	19.0	28.4

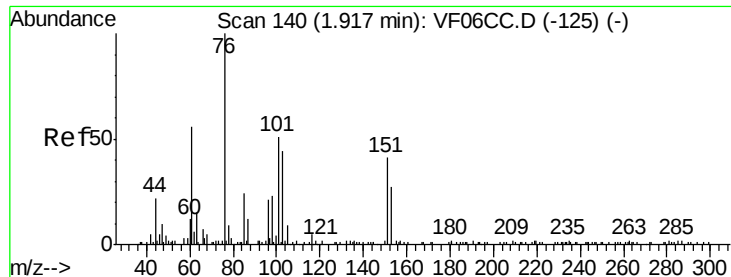


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 20.670 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

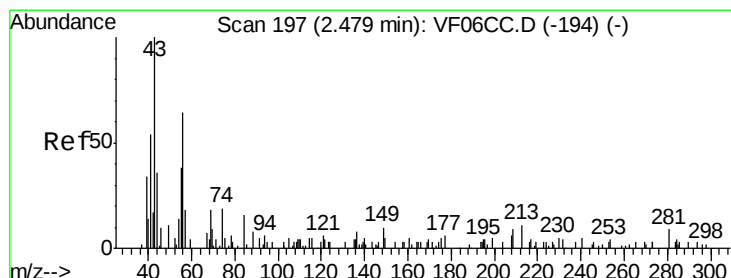
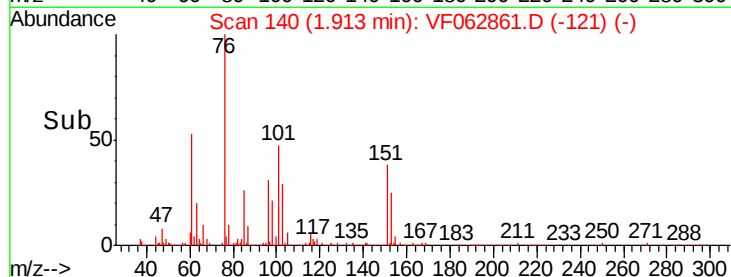
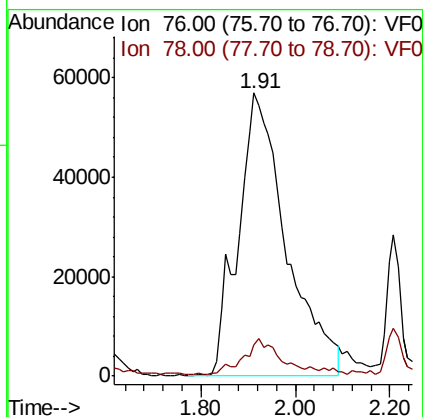
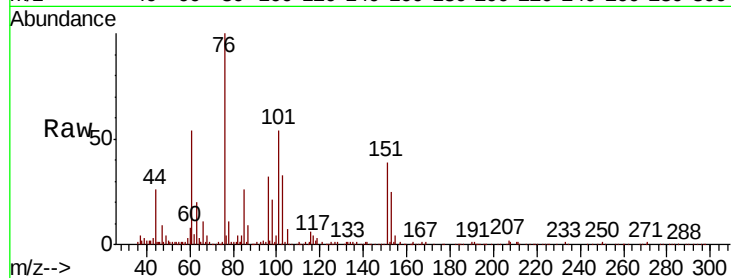
ClientSampleId :

Tot Ion: 76 Resp: 404382

Ion Ratio Lower Upper

76 100

78 10.9 9.4 14.2



#18

Methyl Acetate

Concen: 22.794 ug/l

RT: 2.47 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF062861.D

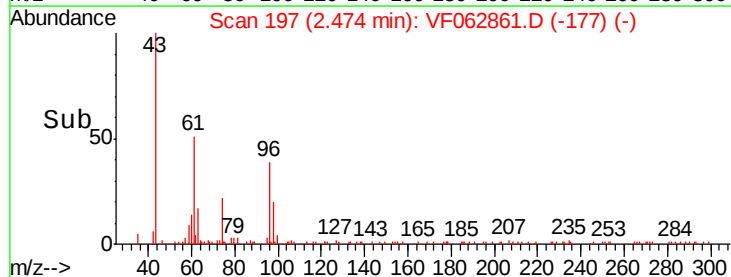
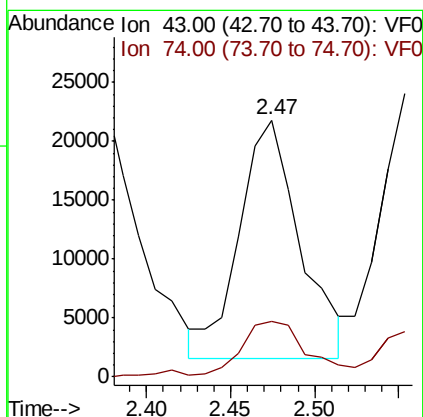
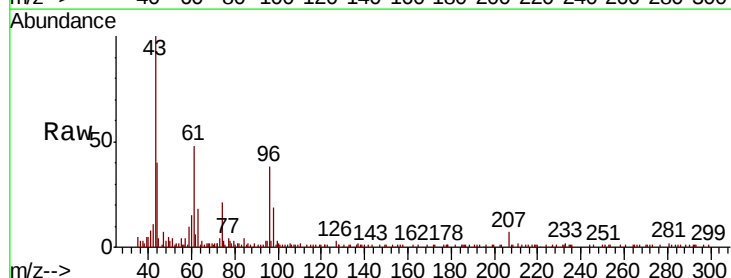
Acq: 5 Jun 2019 13:20

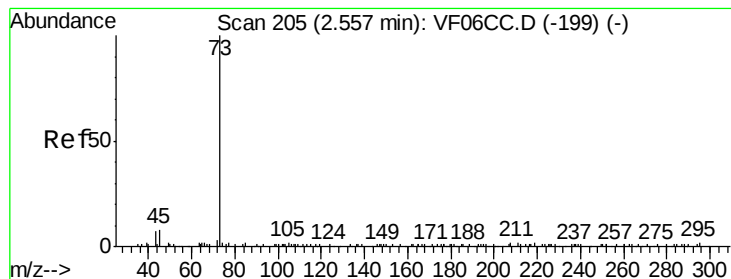
Tgt Ion: 43 Resp: 50781

Ion Ratio Lower Upper

43 100

74 21.4 22.1 33.1#



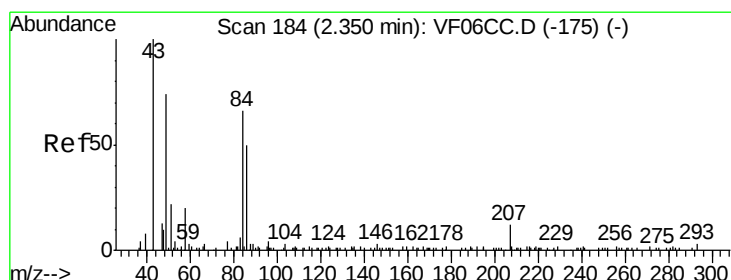
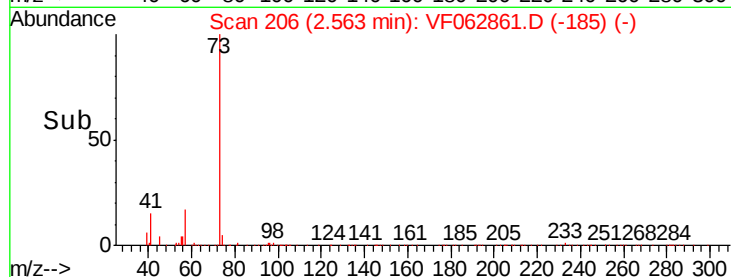
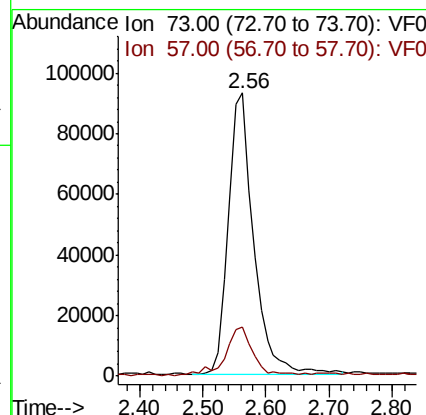
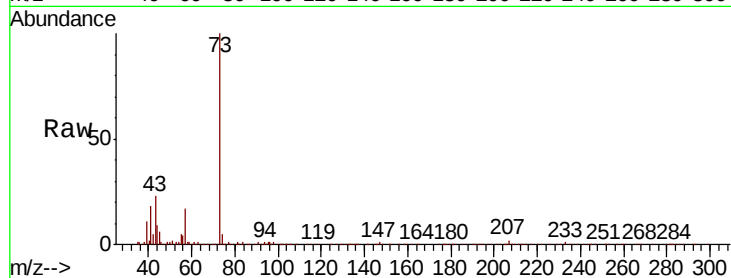


#19

Methyl tert-butyl Ether
 Concen: 21.362 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: VF062861.D
 Acq: 5 Jun 2019 13:20

Instrument :
 MSVOA_F
 ClientSampleID :

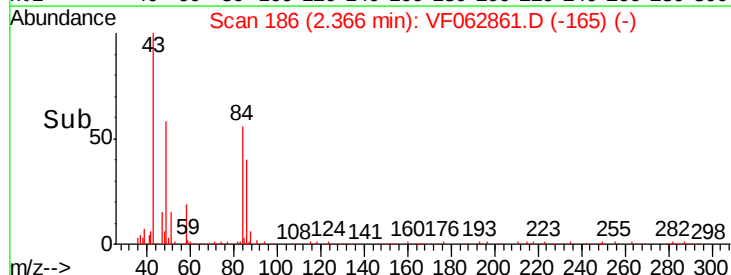
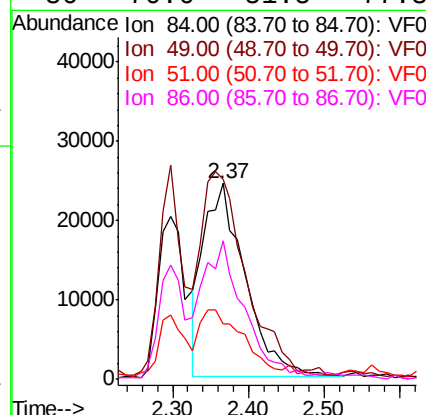
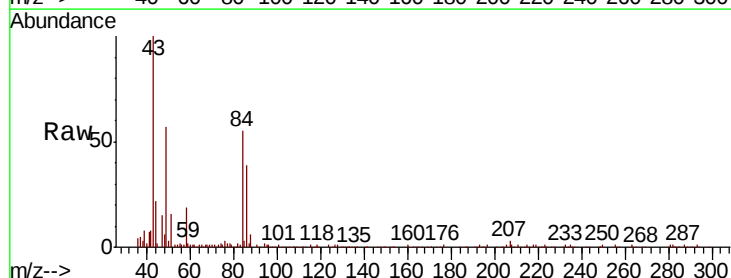
Tot Ion: 73 Resp: 259060
 Ion Ratio Lower Upper
 73 100
 57 17.5 15.1 22.7

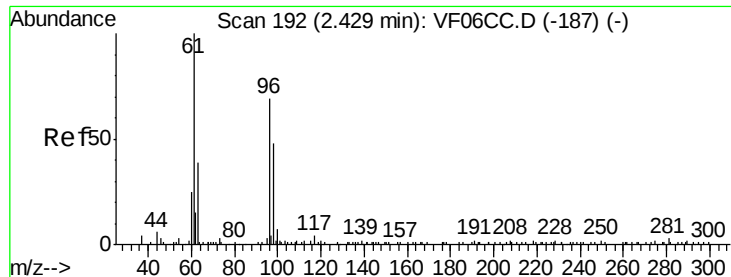


#20

Methylene Chloride
 Concen: 12.257 ug/l
 RT: 2.37 min Scan# 186
 Delta R.T. 0.00 min
 Lab File: VF062861.D
 Acq: 5 Jun 2019 13:20

Tgt Ion: 84 Resp: 92639
 Ion Ratio Lower Upper
 84 100
 49 102.5 82.6 123.8
 51 28.5 25.0 37.4
 86 70.6 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 20.658 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :
MSVOA_F
ClientSampleId :

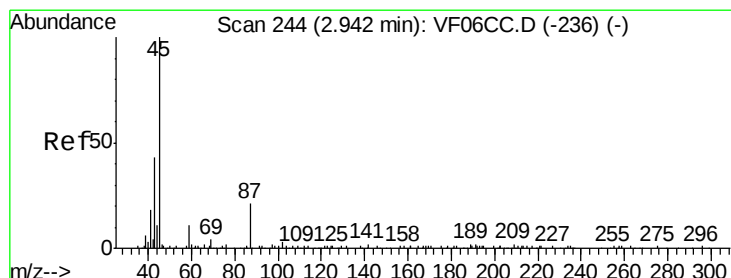
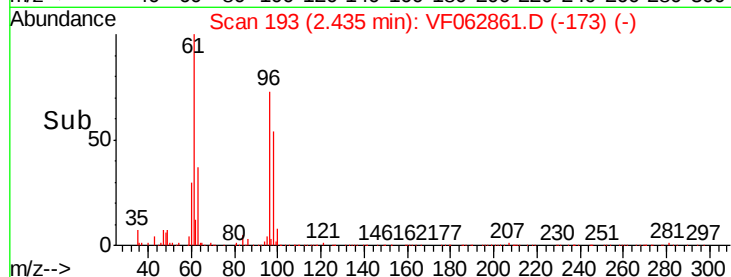
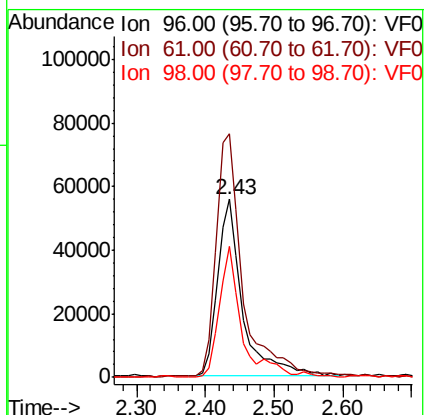
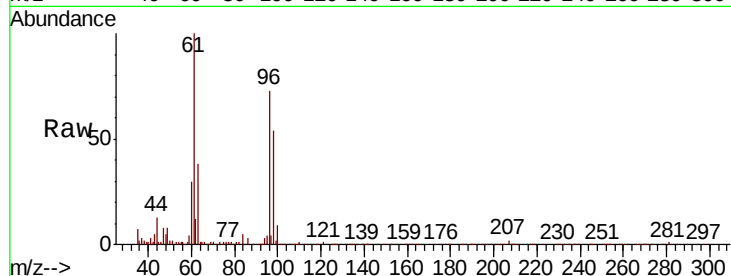
Tot Ion: 96 Resp: 138646

Ion Ratio Lower Upper

96 100

61 136.9 105.0 157.6

98 73.8 51.1 76.7



#22

Diisopropyl ether

Concen: 19.567 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Tgt Ion: 45 Resp: 288686

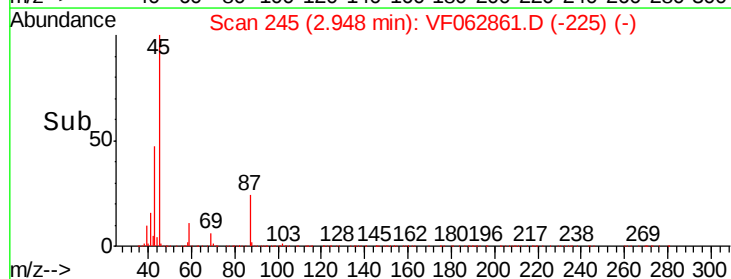
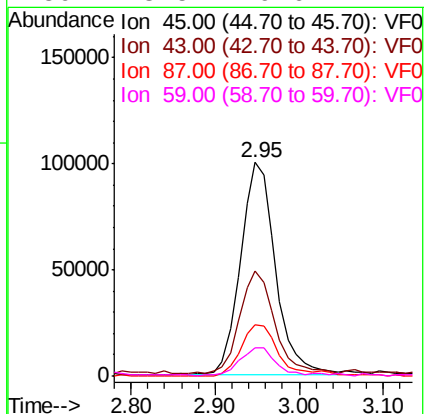
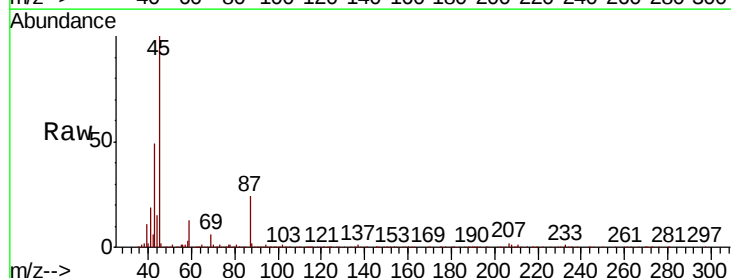
Ion Ratio Lower Upper

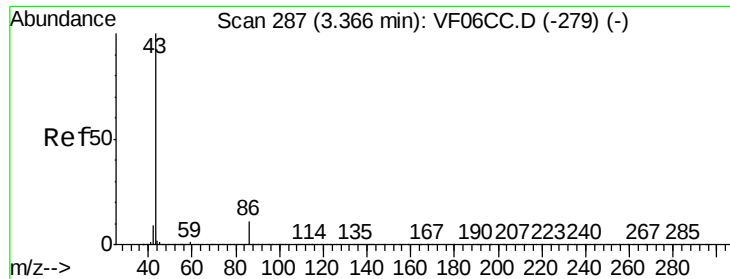
45 100

43 49.0 34.3 51.5

87 23.7 19.0 28.4

59 13.5 9.6 14.4

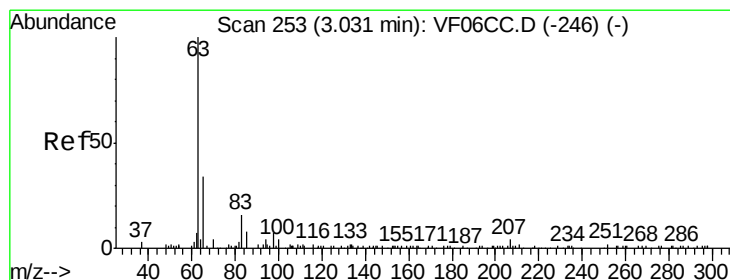
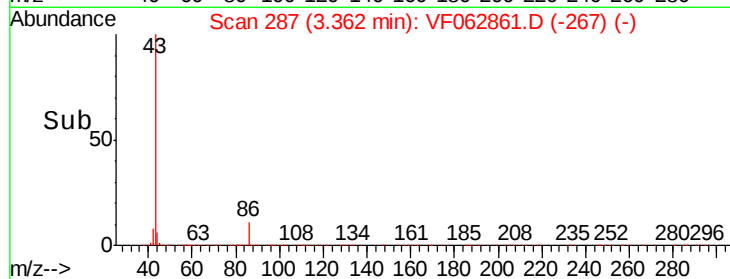
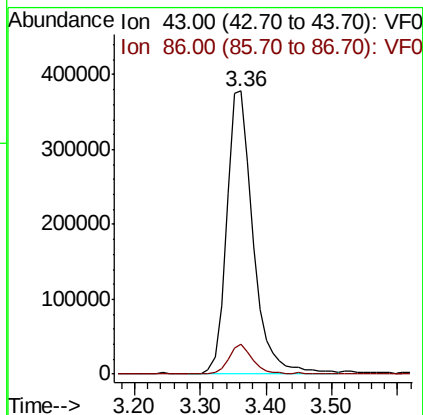
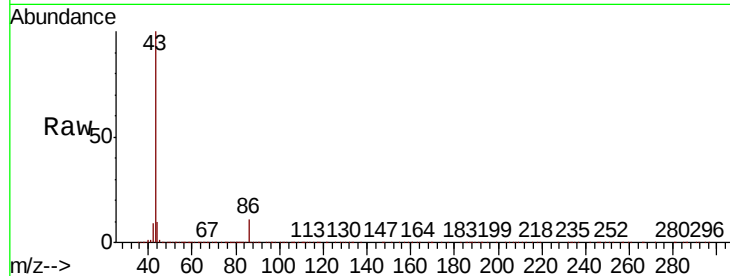




#23
 Vinyl Acetate
 Concen: 104.043 ug/l
 RT: 3.36 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: VF062861.D
 Acq: 5 Jun 2019 13:20

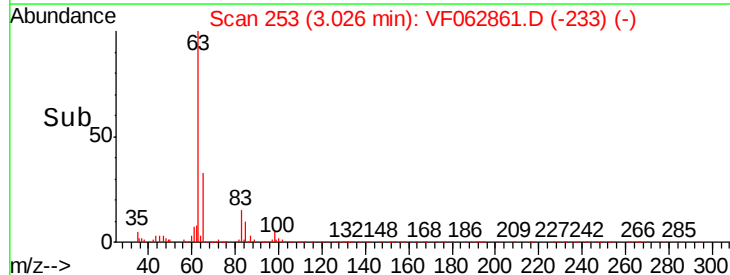
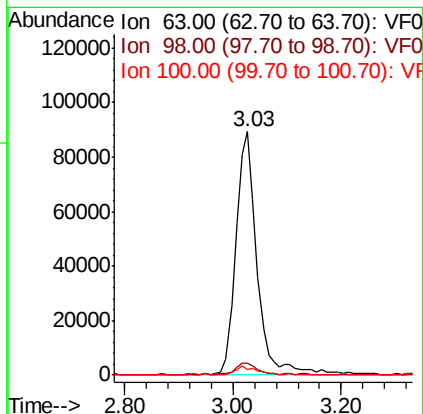
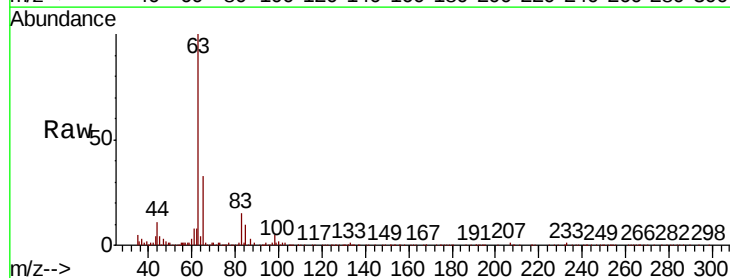
Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 1050868
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 22.336 ug/l
 RT: 3.03 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VF062861.D
 Acq: 5 Jun 2019 13:20

Tgt Ion: 63 Resp: 246043
 Ion Ratio Lower Upper
 63 100
 98 4.8 2.4 7.1
 100 2.5 1.5 4.5

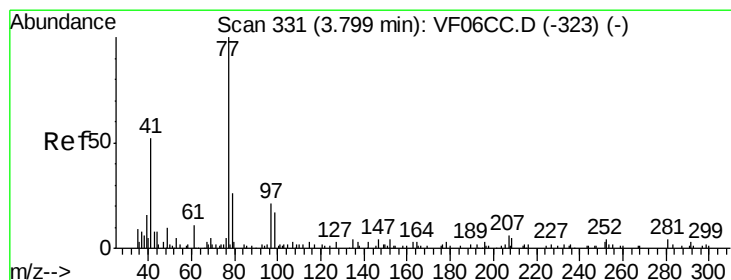
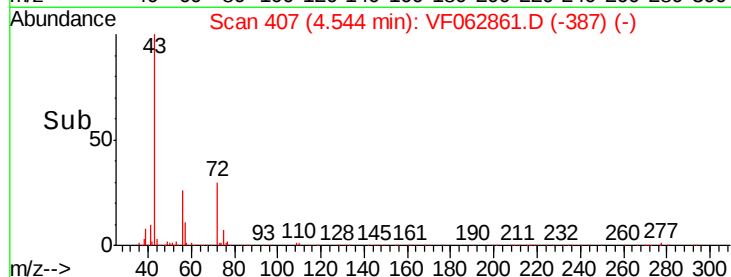
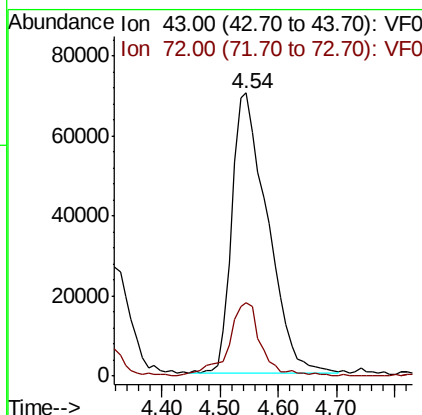
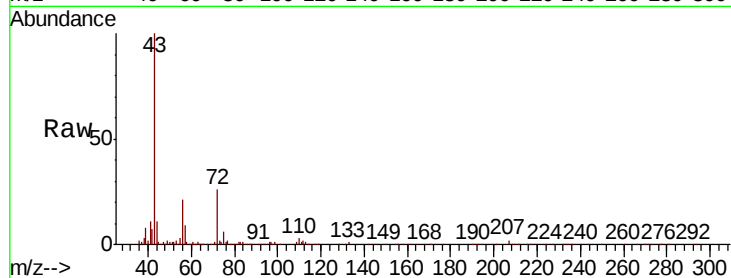




#25
2-Butanone
Concen: 100.815 ug/l
RT: 4.54 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

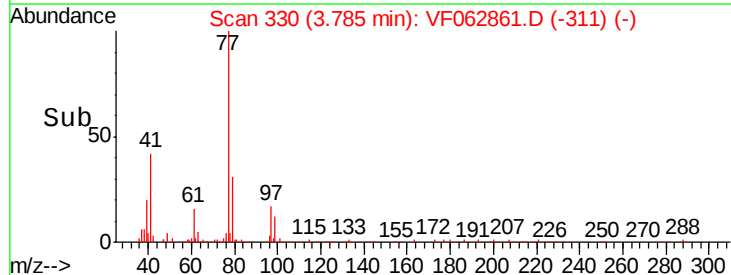
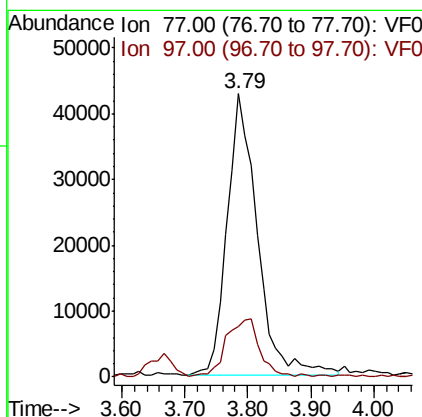
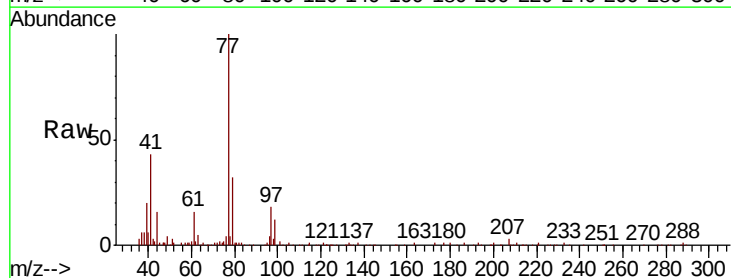
Instrument :
MSVOA_F
ClientSampled :

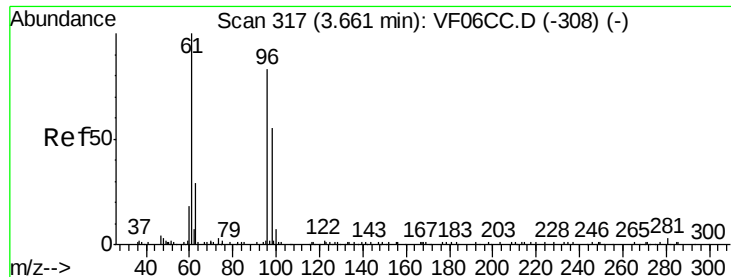
Tot Ion: 43 Resp: 299302
Ion Ratio Lower Upper
43 100
72 25.8 21.4 32.0



#26
2,2-Dichloropropane
Concen: 22.804 ug/l
RT: 3.79 min Scan# 330
Delta R.T. -0.02 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

Tgt Ion: 77 Resp: 142633
Ion Ratio Lower Upper
77 100
97 17.9 12.4 37.4



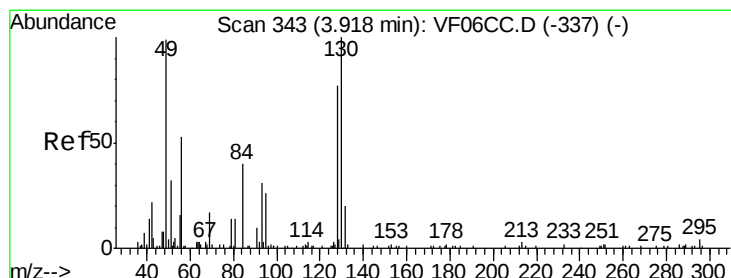
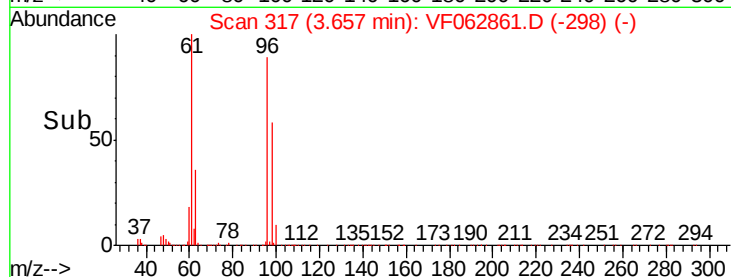
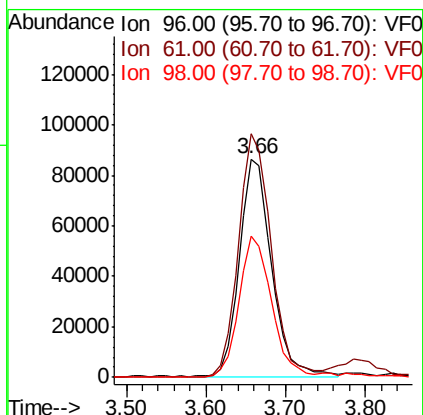
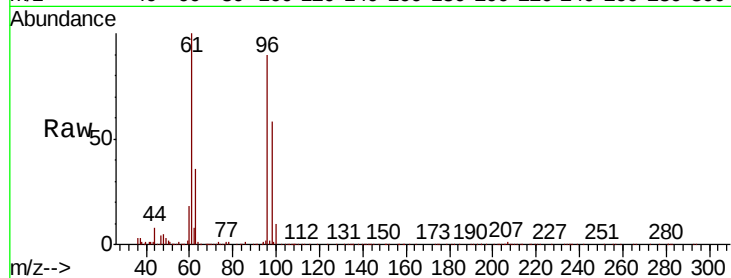


#27

cis-1,2-Dichloroethene
Concen: 21.364 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.02 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

Instrument :
MSVOA_F
ClientSampleId :

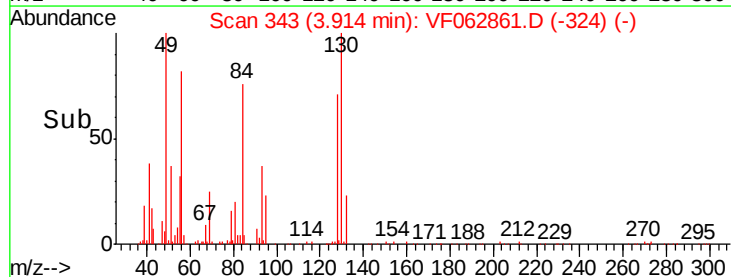
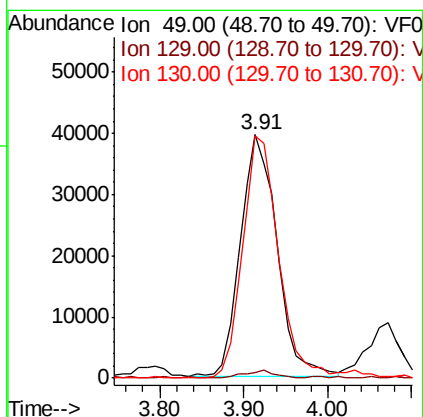
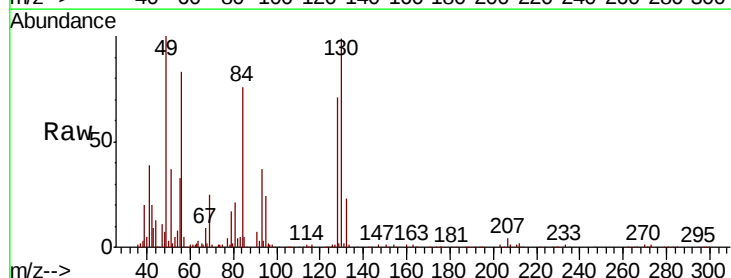
Tot Ion	Ratio	Lower	Upper
96	100		
61	111.6	0.0	213.8
98	64.9	0.0	127.0

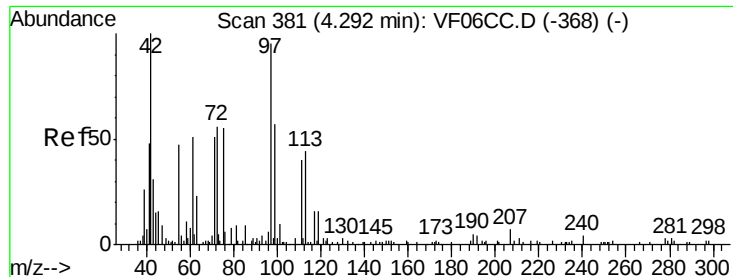


#28

Bromochloromethane
Concen: 19.999 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.02 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.4
130	99.3	79.2	118.8

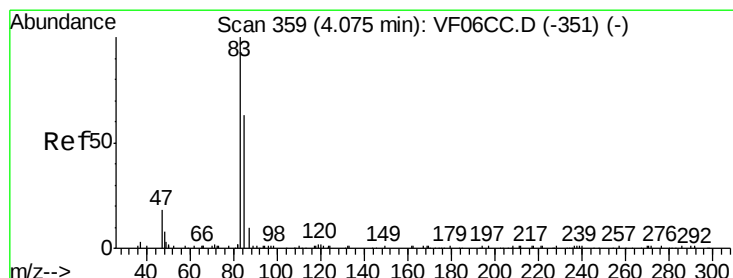
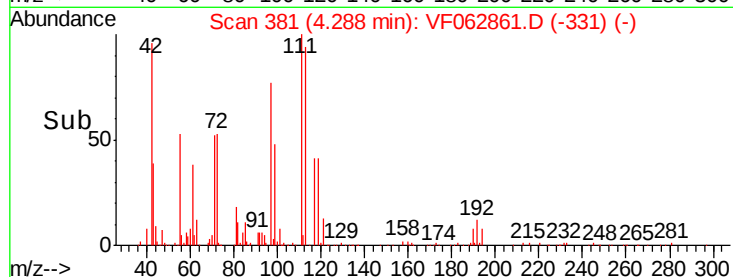
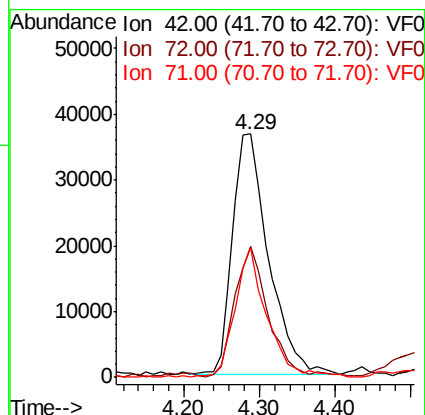
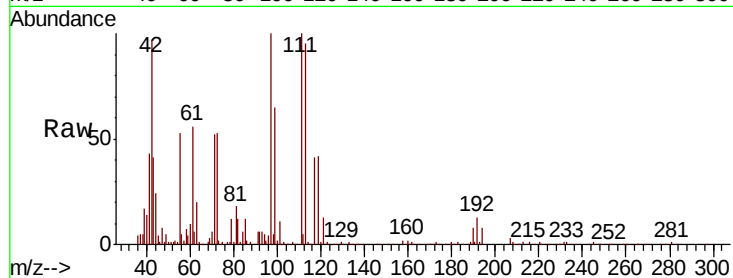




#29
Tetrahydrofuran
Concen: 106.060 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

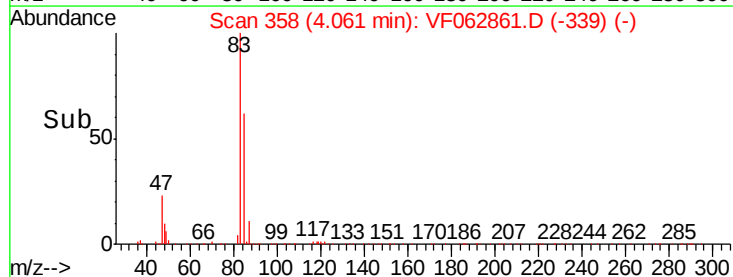
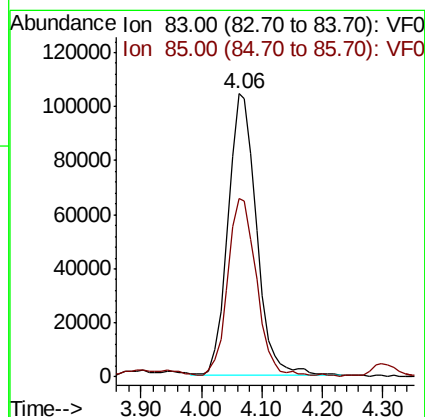
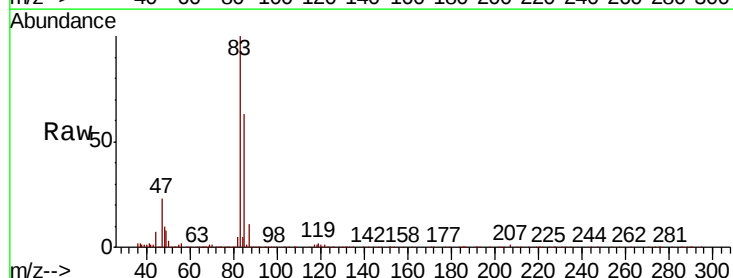
Instrument :
MSVOA_F
ClientSampleId :

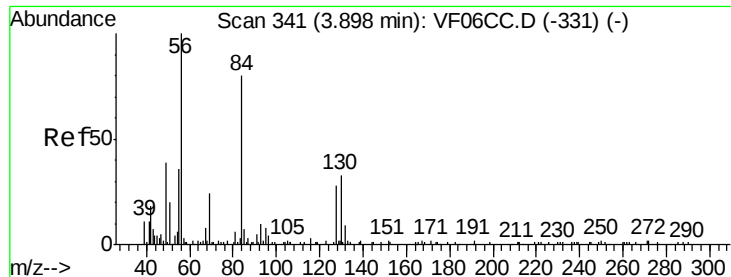
Tot Ion: 42 Resp: 120431
Ion Ratio Lower Upper
42 100
72 49.4 39.0 58.6
71 47.8 36.9 55.3



#30
Chloroform
Concen: 21.678 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.02 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

Tgt Ion: 83 Resp: 336553
Ion Ratio Lower Upper
83 100
85 63.2 55.0 82.6

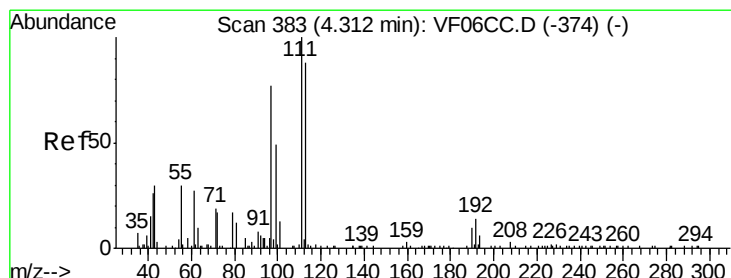
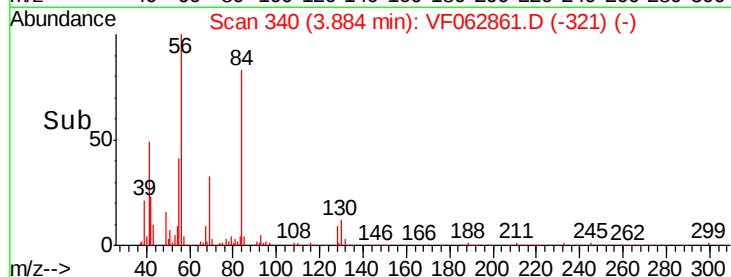
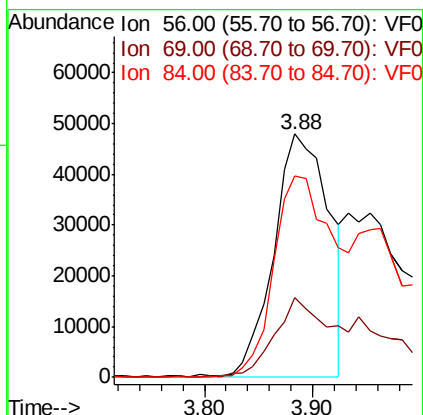
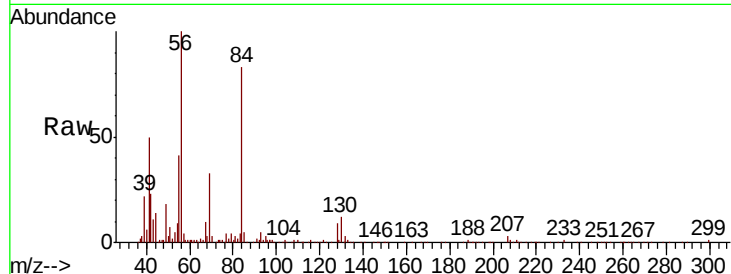




#31
Cyclohexane
Concen: 11.563 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

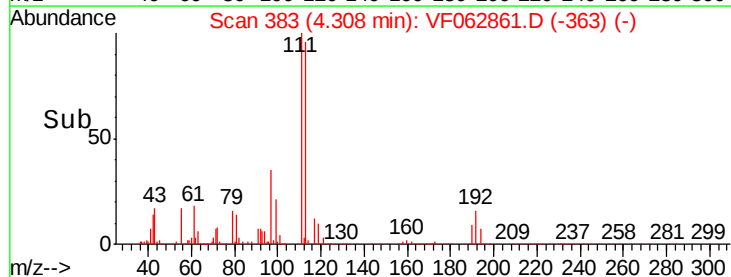
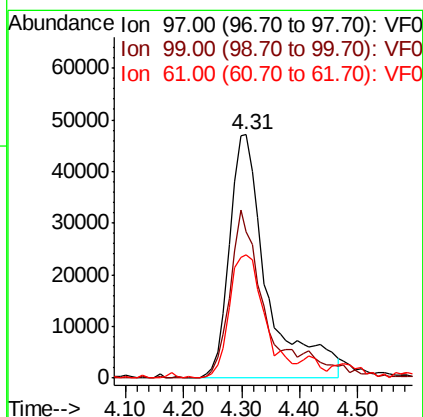
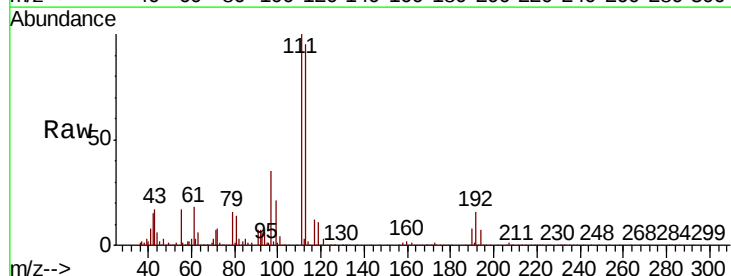
Instrument :
MSVOA_F
ClientSampleId :

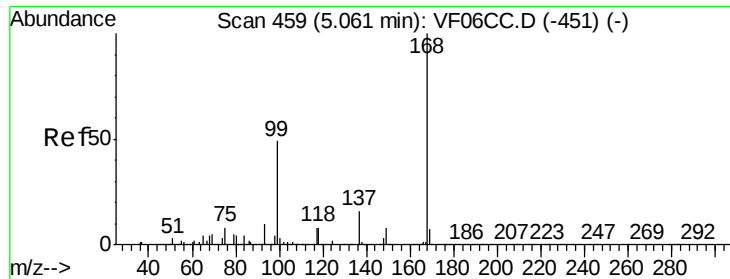
Tot Ion: 56 Resp: 172442
Ion Ratio Lower Upper
56 100
69 32.8 26.7 40.1
84 82.7 74.3 111.5



#32
1,1,1-Trichloroethane
Concen: 23.661 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

Tgt Ion: 97 Resp: 213871
Ion Ratio Lower Upper
97 100
99 60.3 51.7 77.5
61 50.4 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 49.914 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

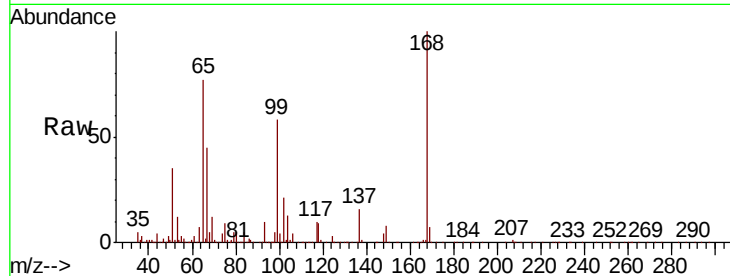
ClientSampleId :

Tot Ion: 65 Resp: 278022

Ion Ratio Lower Upper

65 100

67 58.5 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.05

120000

100000

80000

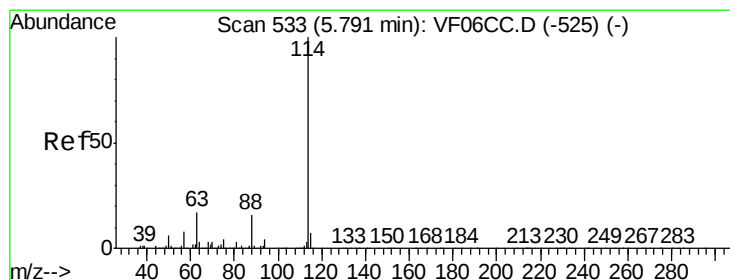
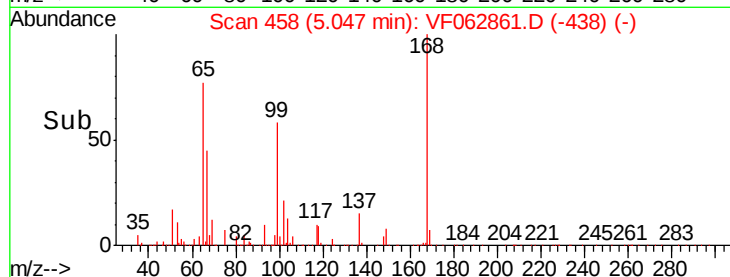
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.02 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

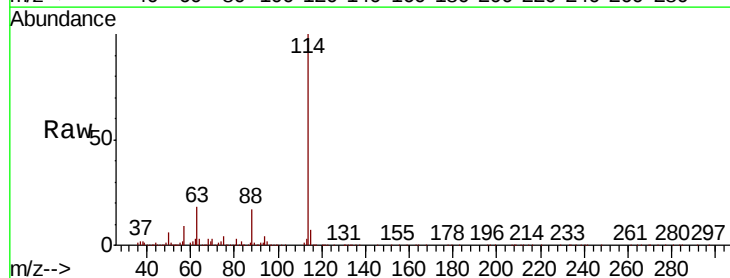
Tgt Ion: 114 Resp: 1347079

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.2

88 16.6 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

5.79

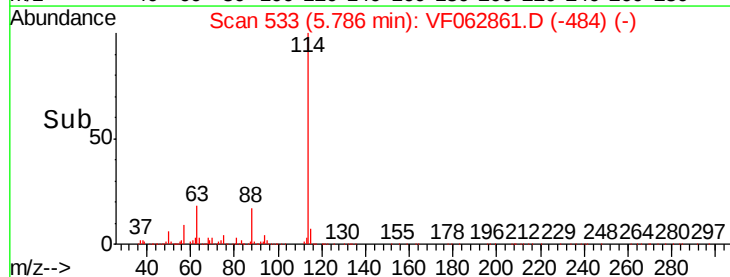
600000

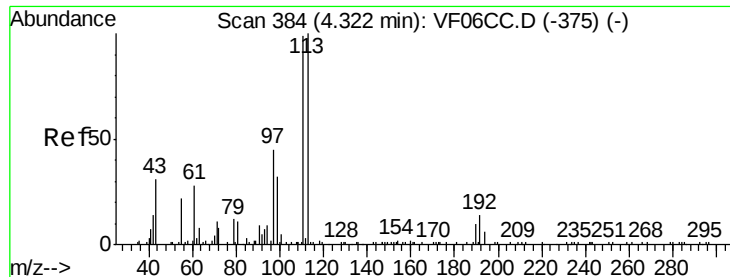
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 51.679 ug/l

RT: 4.32 min Scan# 384

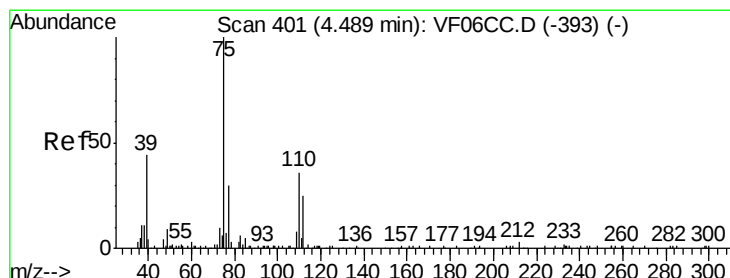
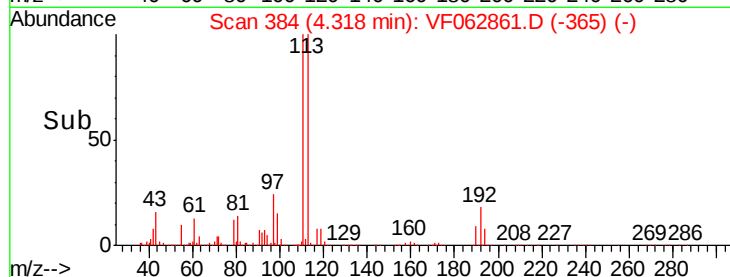
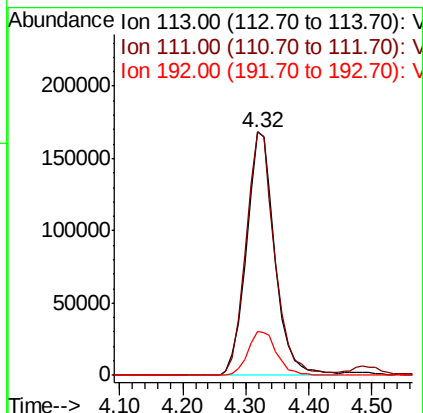
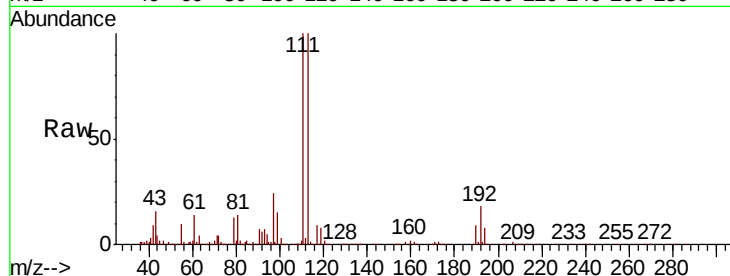
Delta R.T. -0.02 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	113	Resp:	526049
Ion	Ratio	Lower	Upper
113	100		
111	100.1	81.9	122.9
192	18.0	15.1	22.7



#36

1,1-Dichloropropene

Concen: 21.433 ug/l

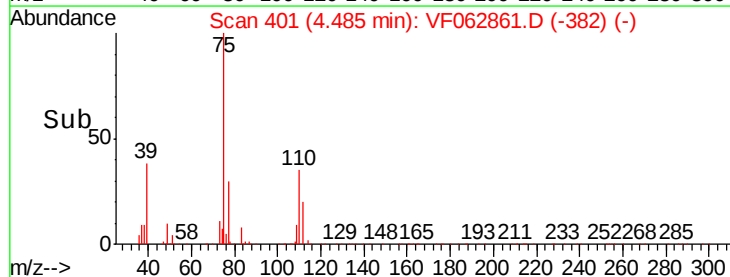
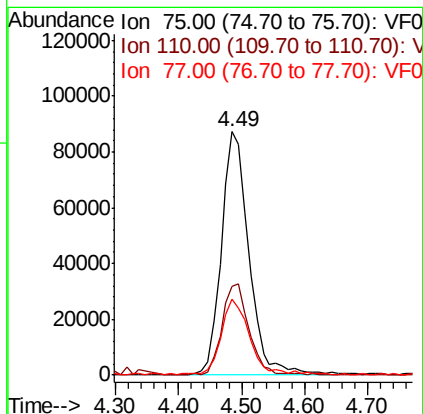
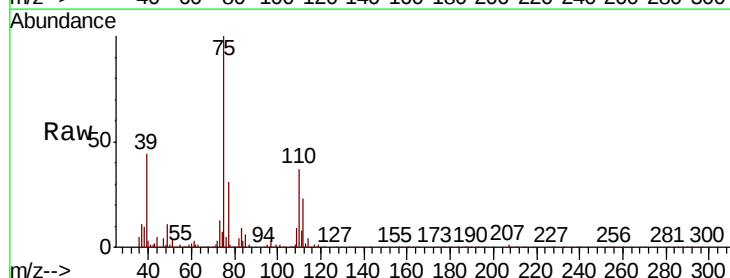
RT: 4.49 min Scan# 401

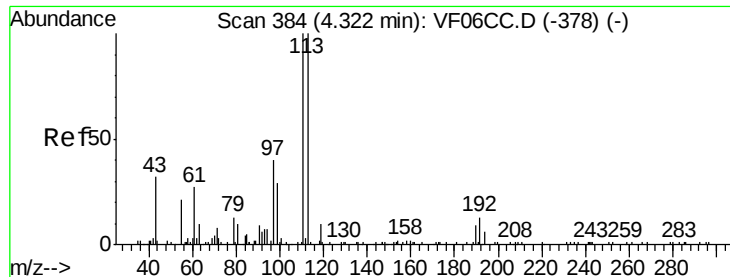
Delta R.T. -0.02 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Tgt Ion:	75	Resp:	265795
Ion	Ratio	Lower	Upper
75	100		
110	36.6	19.4	58.1
77	31.1	25.4	38.2





#37

Ethyl Acetate

Concen: 22.680 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.02 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

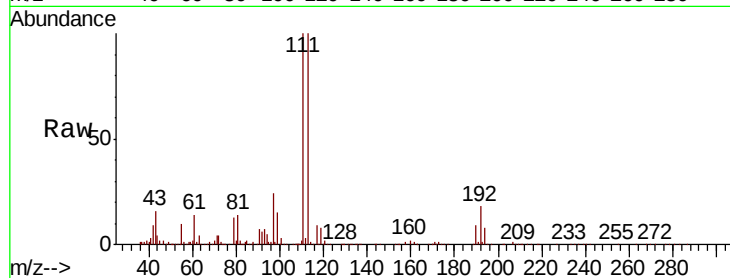
Tot Ion: 43 Resp: 107515

Ion Ratio Lower Upper

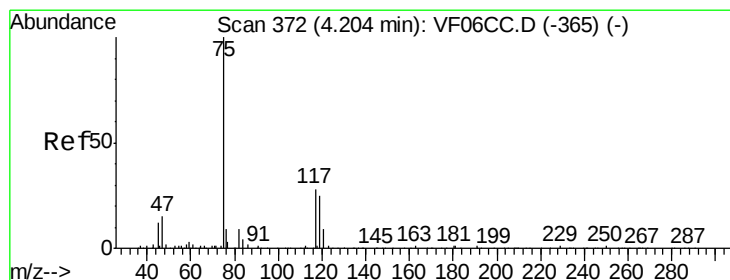
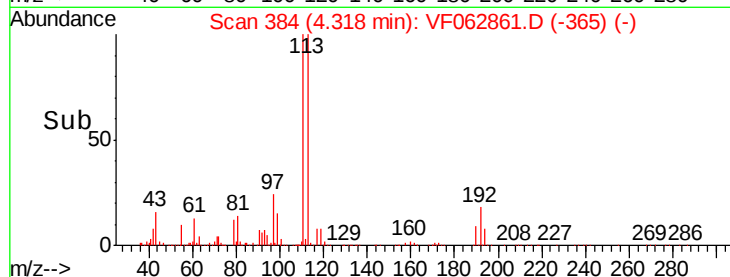
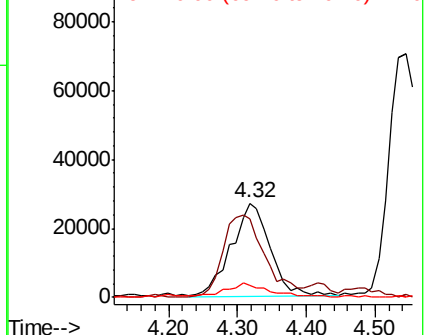
43 100

61 83.2 59.1 88.7

70 12.5 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: 20.836 ug/l

RT: 4.20 min Scan# 372

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

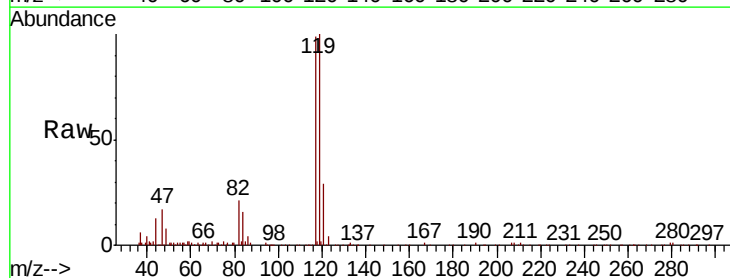
Tgt Ion: 117 Resp: 174626

Ion Ratio Lower Upper

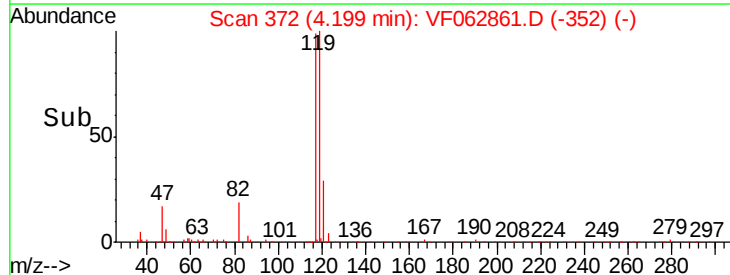
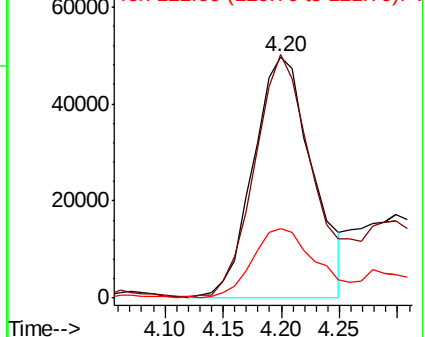
117 100

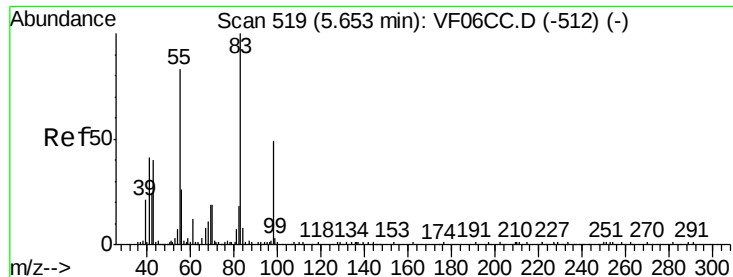
119 100.9 78.2 117.2

121 28.8 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

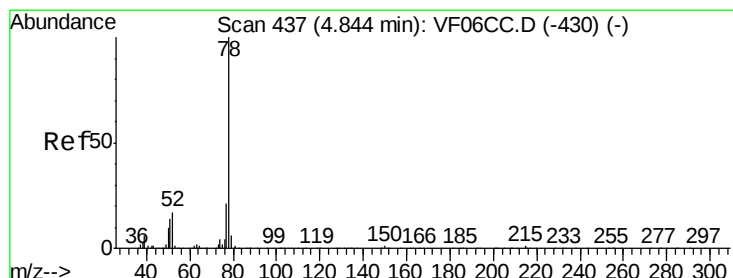
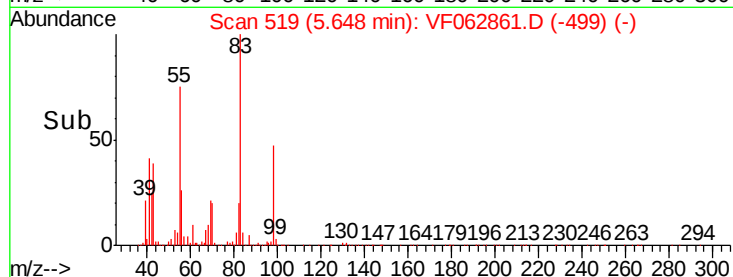
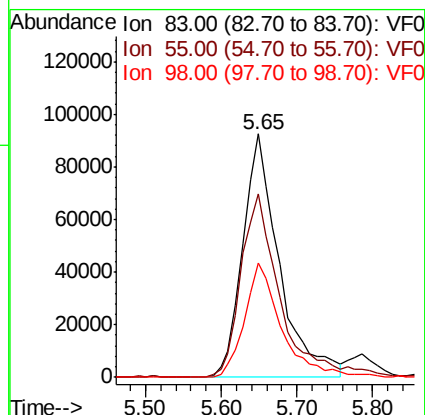
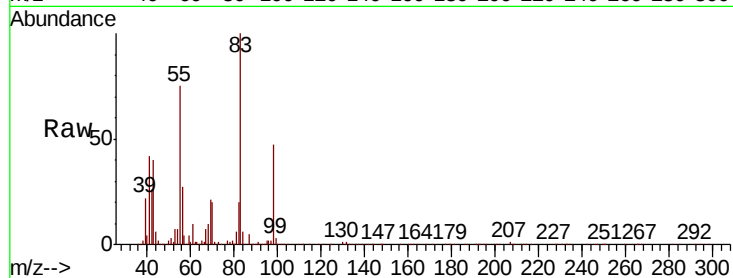




#39
Methvlcvclohexane
Concen: 20.012 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.01 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

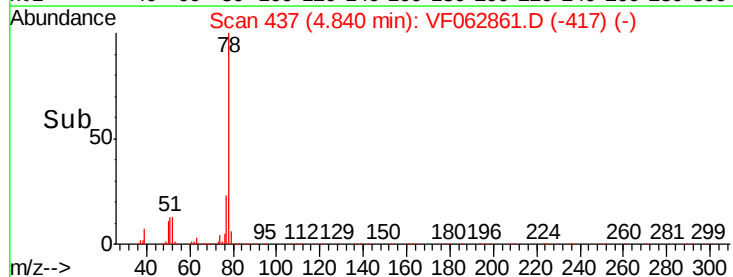
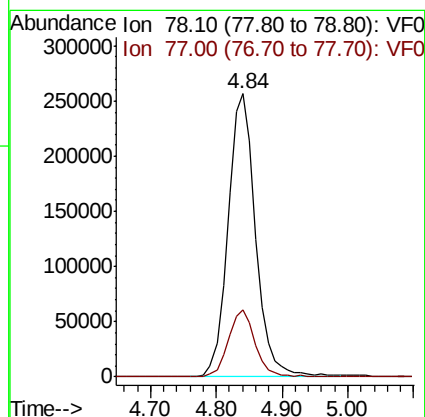
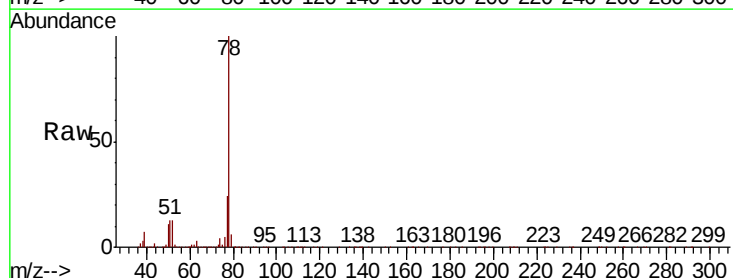
Instrument :
MSVOA_F
ClientSampleId :

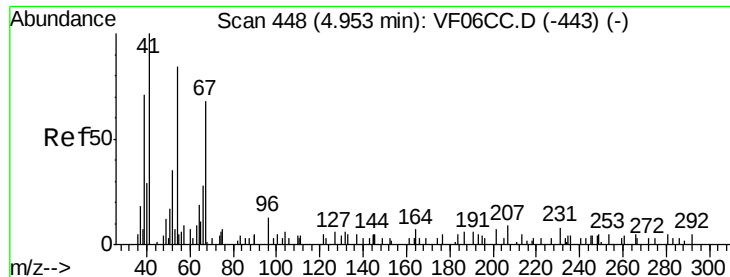
Tot Ion: 83 Resp: 308874
Ion Ratio Lower Upper
83 100
55 75.1 61.6 92.4
98 46.9 37.4 56.2



#40
Benzene
Concen: 20.844 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

Tgt Ion: 78 Resp: 752307
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

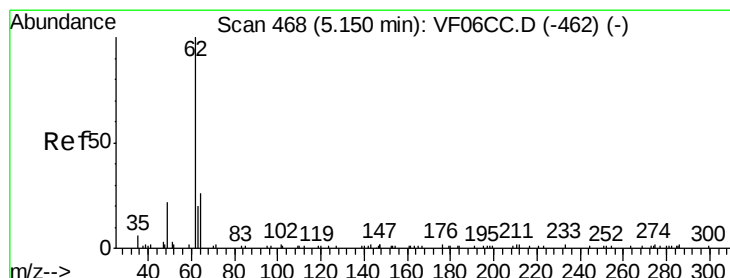
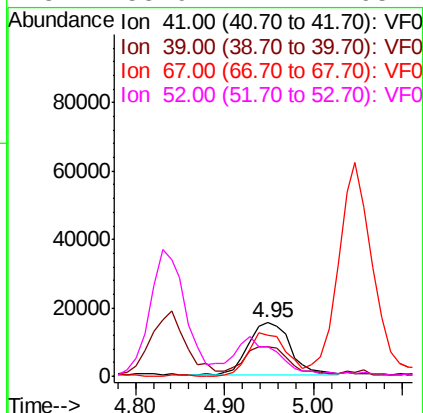
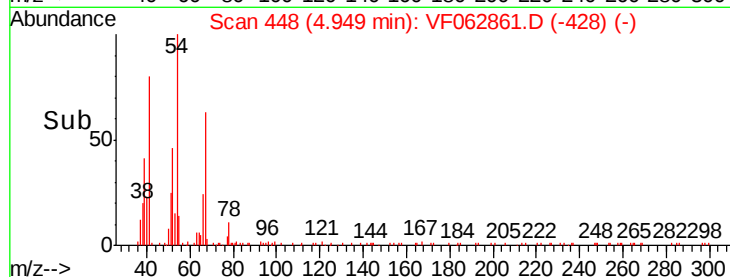
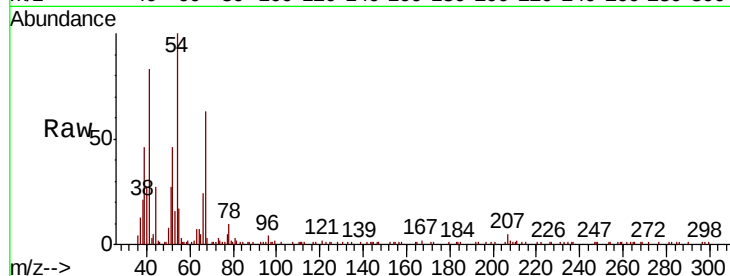




#41
Methacrylonitrile
Concen: 19.290 ug/l
RT: 4.95 min Scan# 448
Delta R.T. -0.01 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

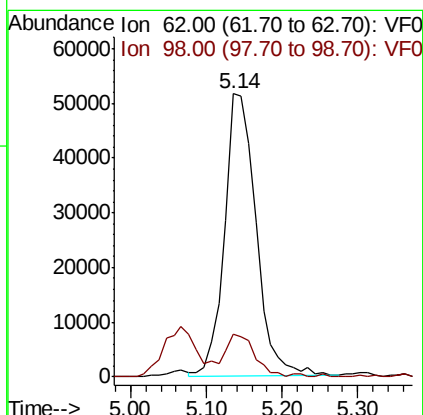
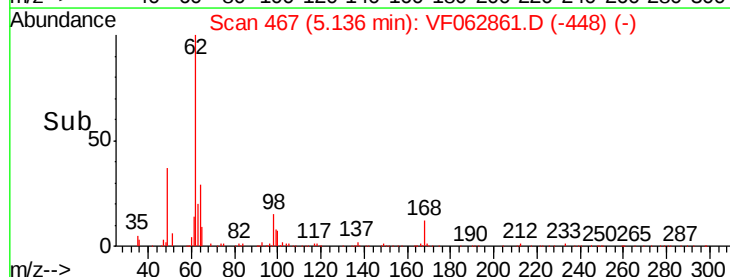
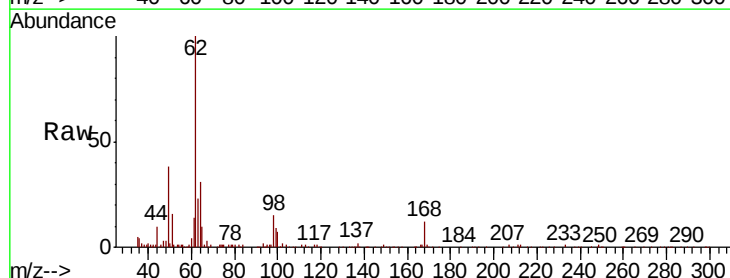
Instrument :
MSVOA_F
ClientSampled :

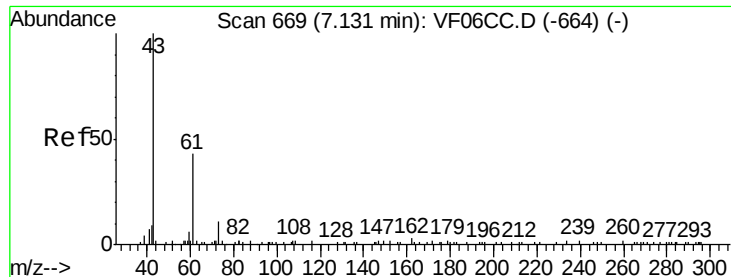
Tot Ion:	41	Resp:	50835
Ion	Ratio	Lower	Upper
41	100		
39	55.0	42.0	63.0
67	75.7	61.4	92.0
52	55.9	42.1	63.1



#42
1,2-Dichloroethane
Concen: 21.583 ug/l
RT: 5.14 min Scan# 467
Delta R.T. -0.02 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

Tgt Ion:	62	Resp:	148155
Ion	Ratio	Lower	Upper
62	100		
98	15.0	0.0	24.0





#43

Isopropyl Acetate

Concen: 20.127 ug/l

RT: 7.13 min Scan# 669

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

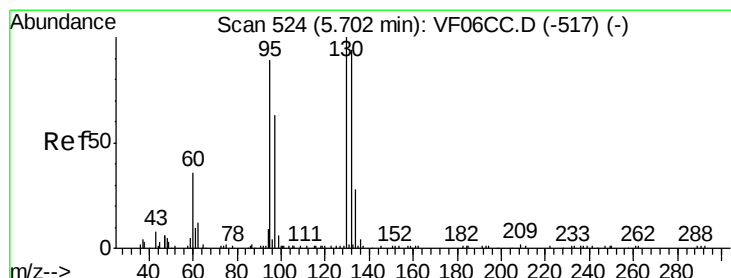
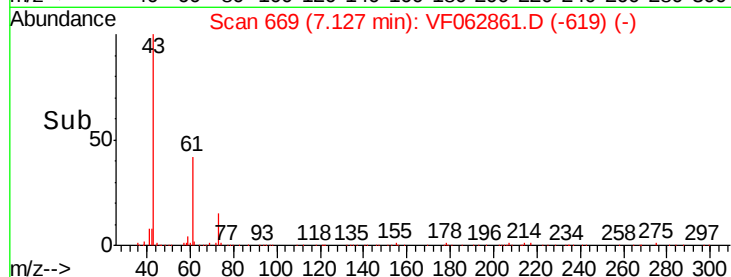
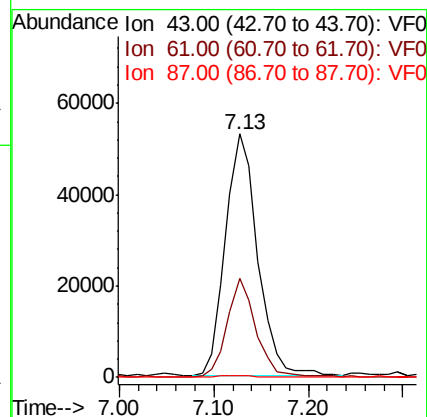
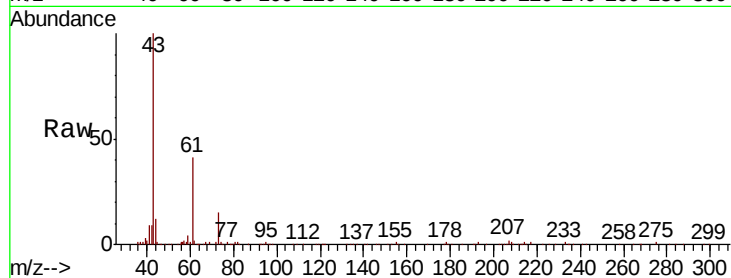
Tot Ion: 43 Resp: 126038

Ion Ratio Lower Upper

43 100

61 40.5 29.8 44.6

87 0.9 0.3 0.5#



#44

Trichloroethene

Concen: 21.451 ug/l

RT: 5.70 min Scan# 524

Delta R.T. -0.01 min

Lab File: VF062861.D

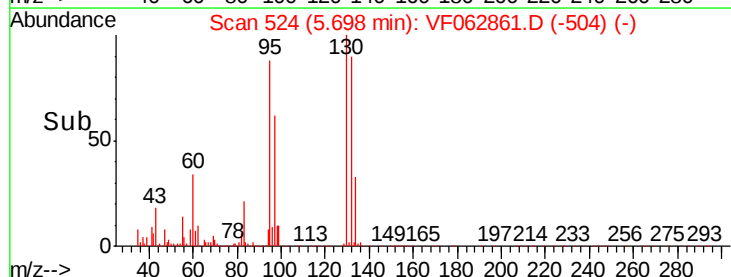
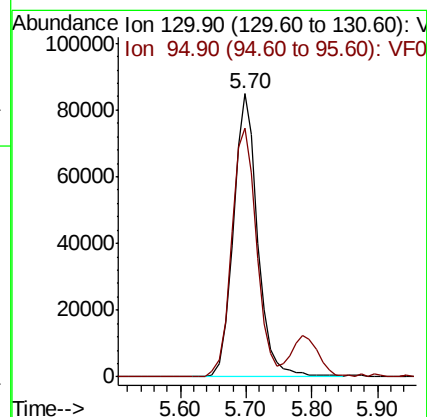
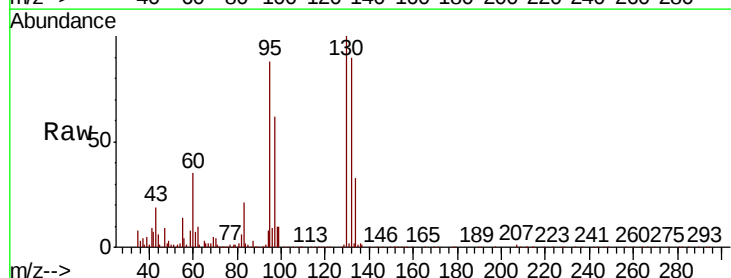
Acq: 5 Jun 2019 13:20

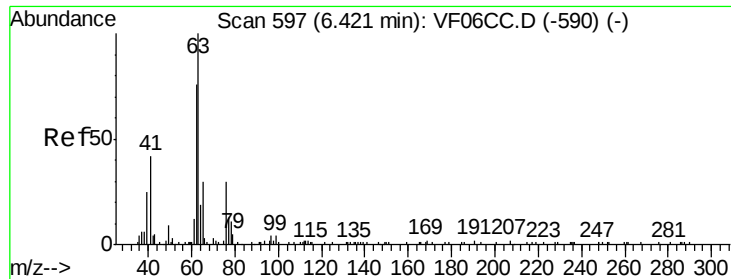
Tgt Ion: 130 Resp: 218498

Ion Ratio Lower Upper

130 100

95 88.0 0.0 188.2





#45

1,2-Dichloropropane

Concen: 21.126 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

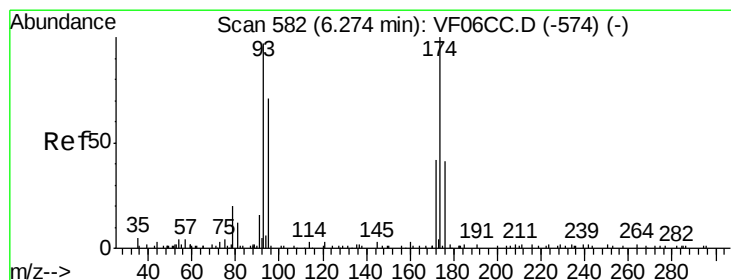
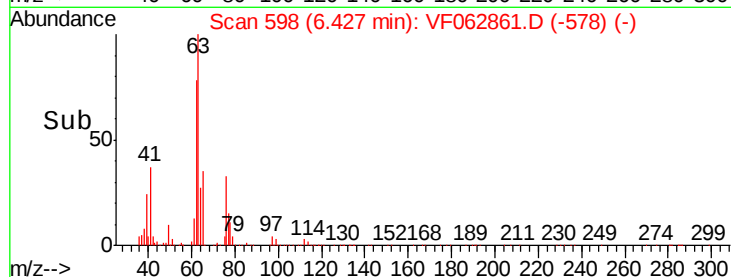
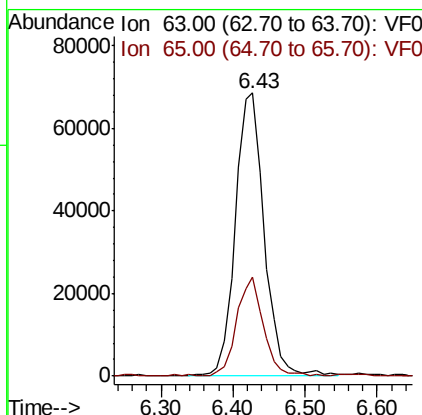
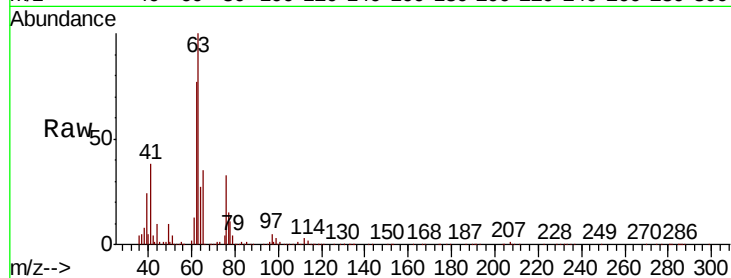
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 191340

Ion Ratio Lower Upper

63 100

65 34.9 24.2 36.2



#46

Dibromomethane

Concen: 20.969 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

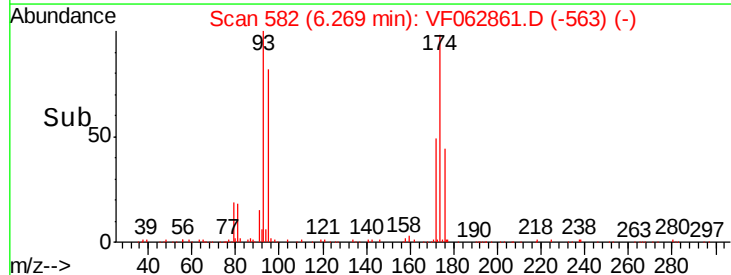
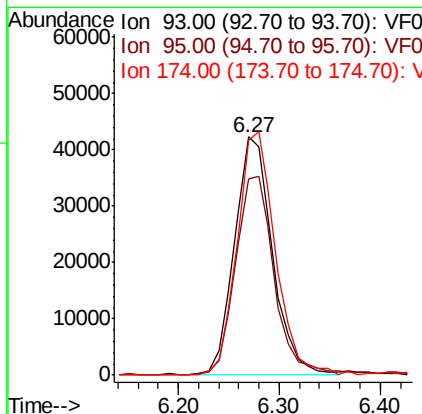
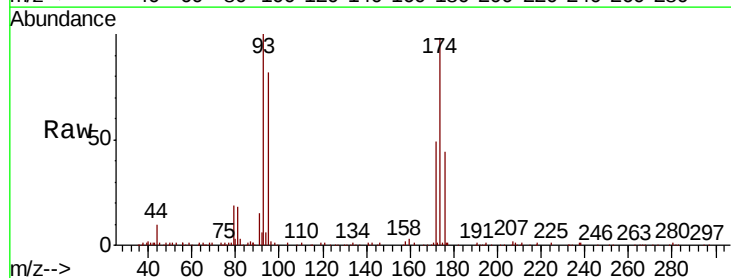
Tgt Ion: 93 Resp: 110883

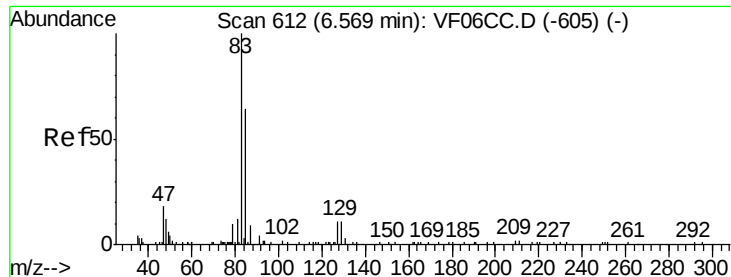
Ion Ratio Lower Upper

93 100

95 82.2 67.9 101.9

174 98.5 85.0 127.4





#47

Bromodichloromethane

Concen: 21.469 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.02 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :
MSVOA_F
ClientSampleId :

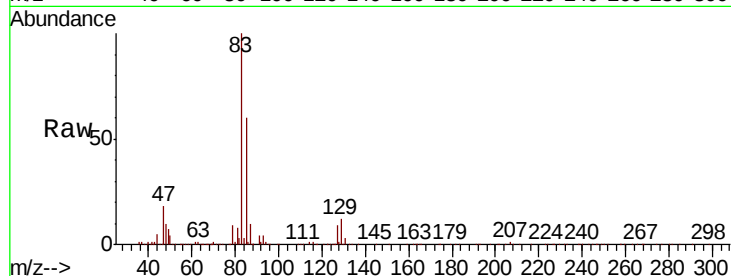
Tot Ion: 83 Resp: 231201

Ion Ratio Lower Upper

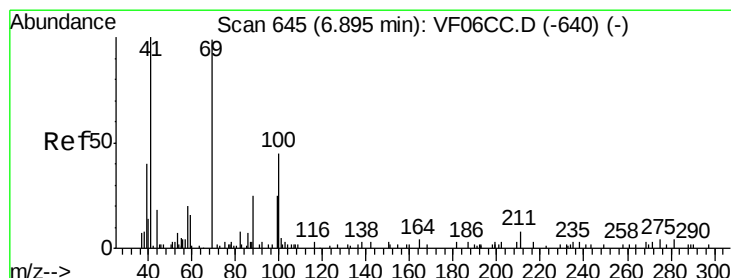
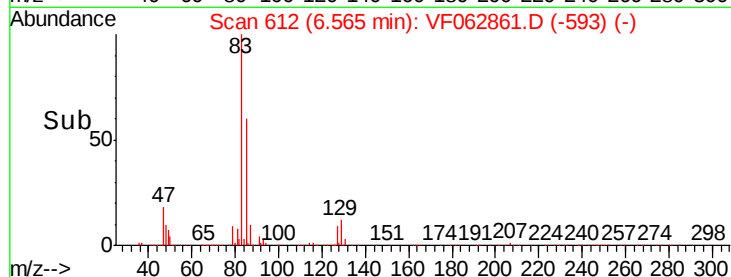
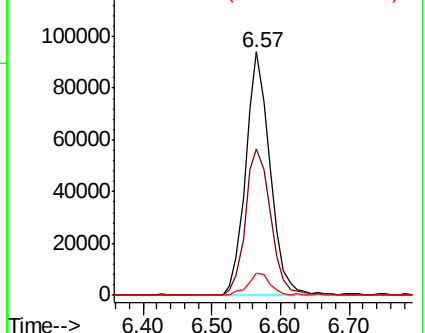
83 100

85 60.0 54.2 81.4

127 9.0 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: 20.179 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

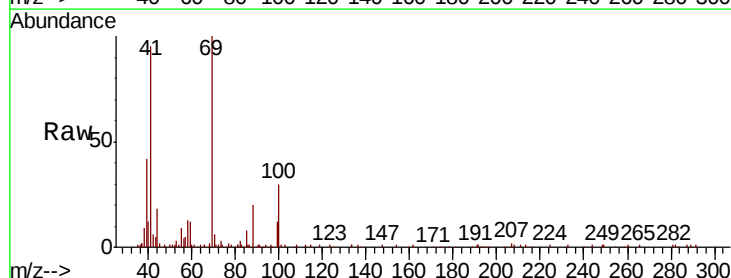
Tgt Ion: 41 Resp: 65126

Ion Ratio Lower Upper

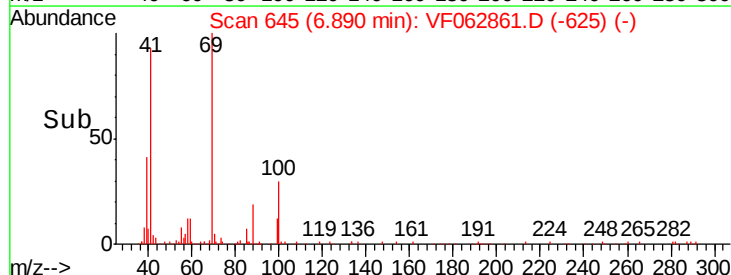
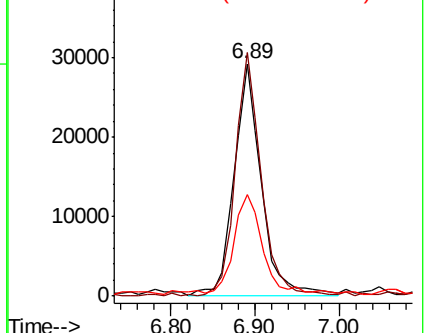
41 100

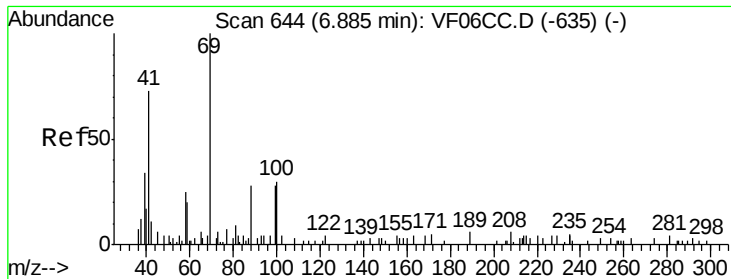
69 104.8 79.4 119.2

39 43.7 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: 420.028 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :
MSVOA_F
ClientSampleId :

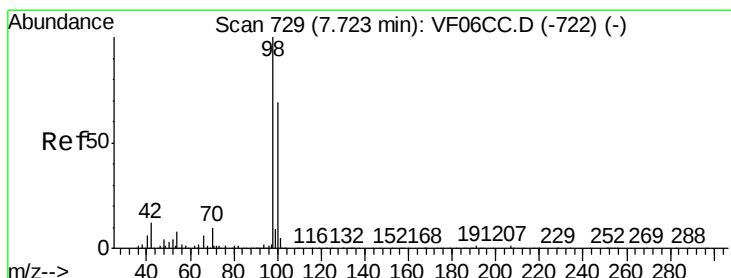
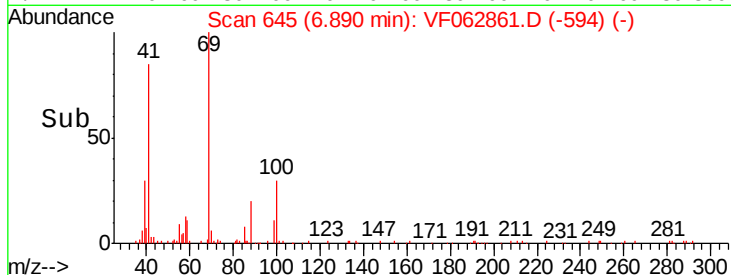
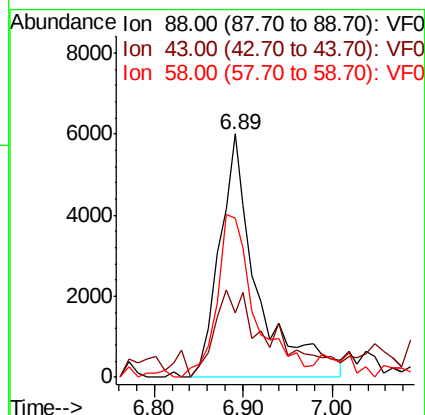
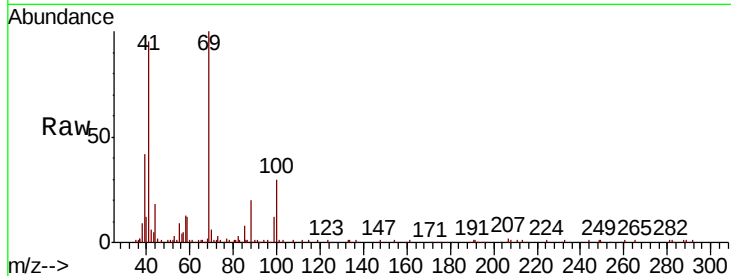
Tot Ion: 88 Resp: 17868

Ion Ratio Lower Upper

88 100

43 26.7 34.8 52.2#

58 65.4 59.9 89.9



#50

Toluene-d8

Concen: 48.479 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.02 min

Lab File: VF062861.D

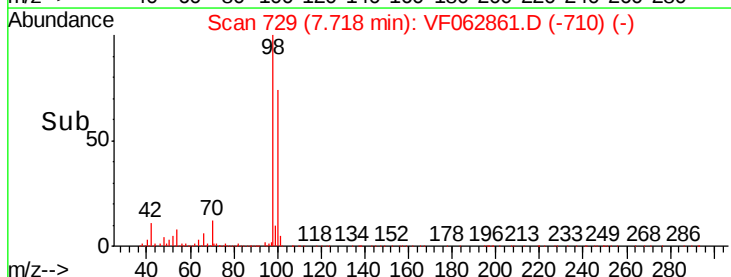
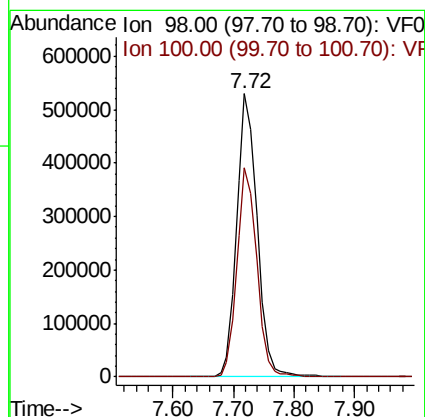
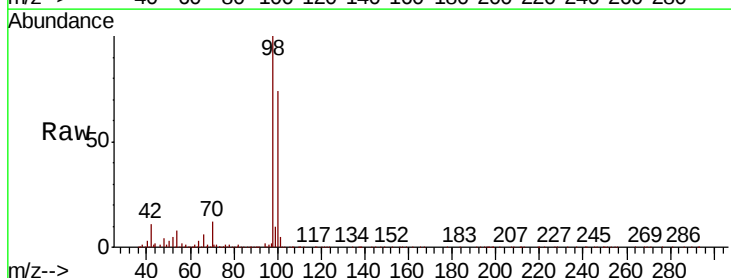
Acq: 5 Jun 2019 13:20

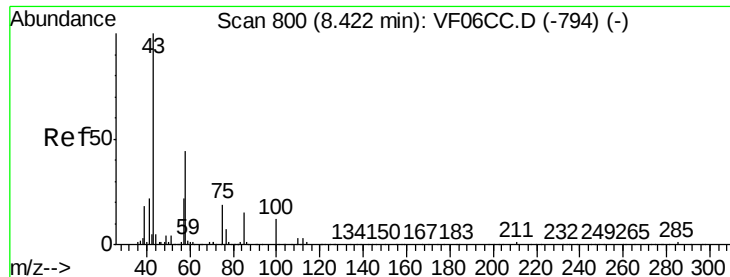
Tgt Ion: 98 Resp: 1247885

Ion Ratio Lower Upper

98 100

100 73.9 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 115.373 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

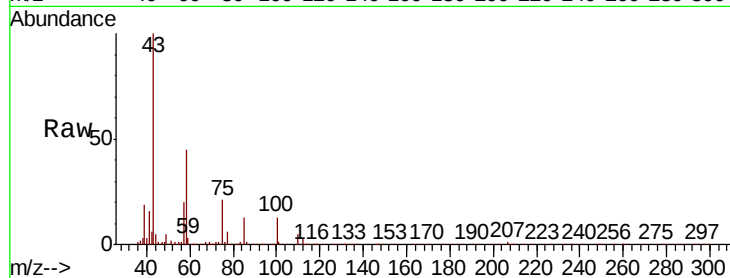
ClientSampleId :

Tot Ion: 43 Resp: 515819

Ion Ratio Lower Upper

43 100

58 44.8 35.5 53.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

250000

200000

150000

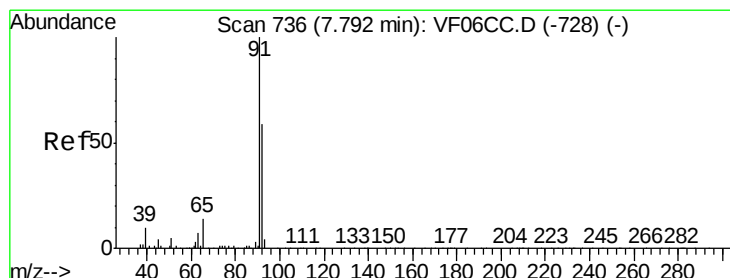
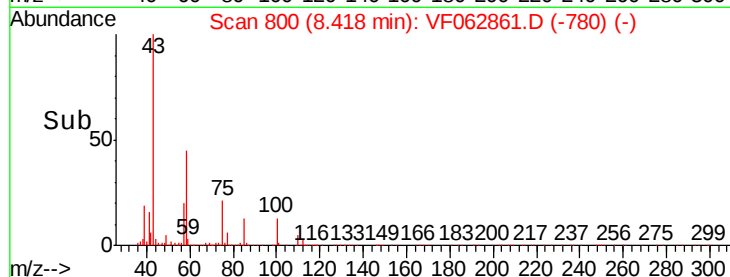
100000

50000

0

Time-->

8.30 8.40 8.50



#52

Toluene

Concen: 20.959 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.02 min

Lab File: VF062861.D

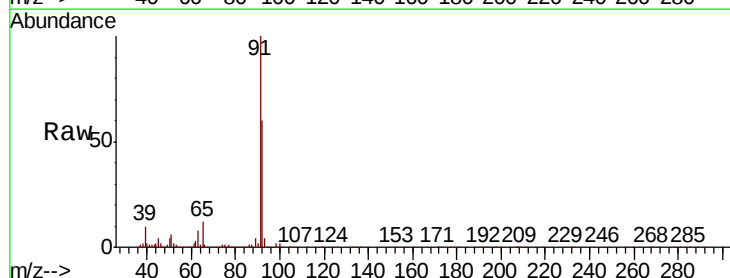
Acq: 5 Jun 2019 13:20

Tgt Ion: 92 Resp: 407422

Ion Ratio Lower Upper

92 100

91 167.0 123.2 184.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

300000

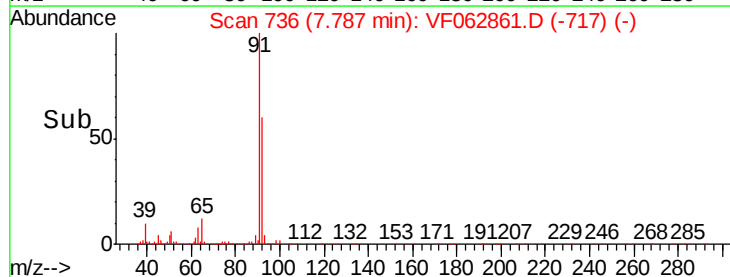
200000

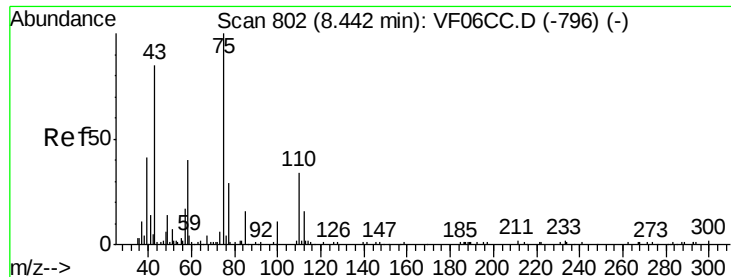
100000

0

Time-->

7.70 7.80 7.90

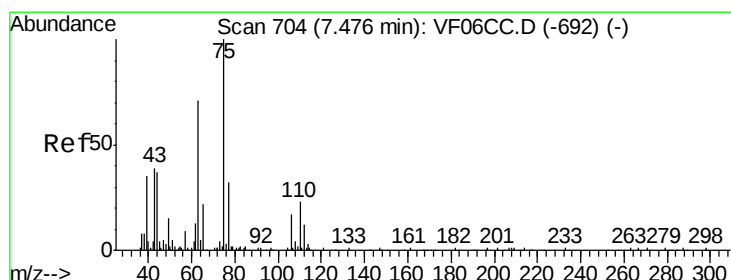
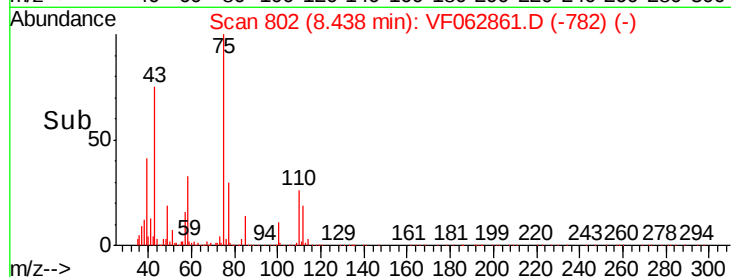
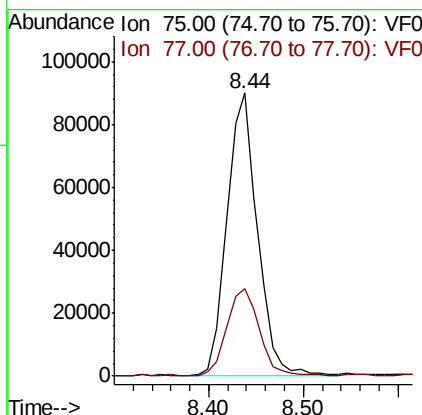
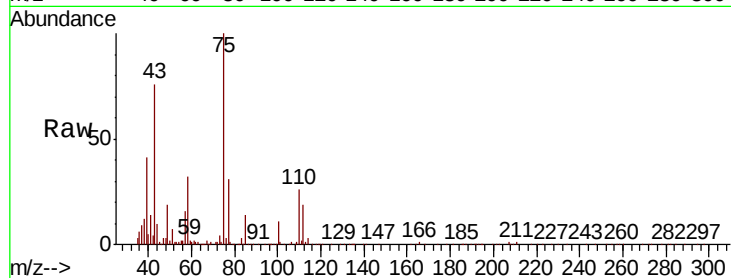




#53
 t-1,3-Dichloropropene
 Concen: 22.367 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: VF062861.D
 Acq: 5 Jun 2019 13:20

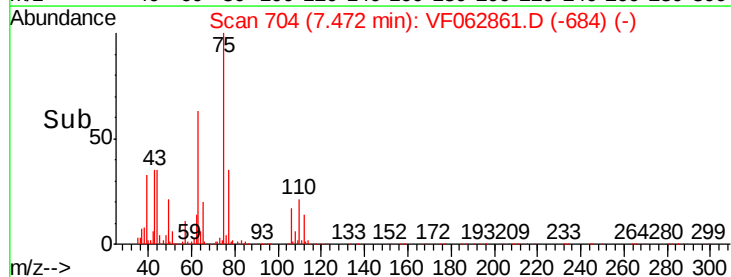
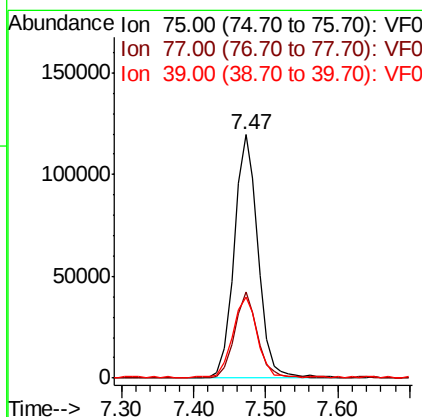
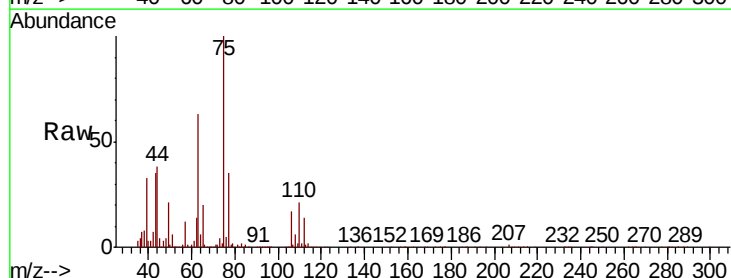
Instrument :
 MSVOA_F
 ClientSampled :

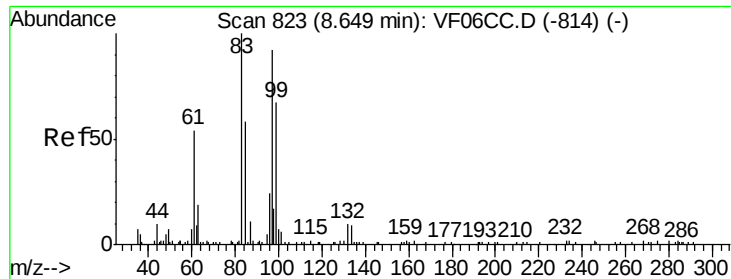
Tot Ion: 75 Resp: 199600
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 21.298 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: VF062861.D
 Acq: 5 Jun 2019 13:20

Tgt Ion: 75 Resp: 275122
 Ion Ratio Lower Upper
 75 100
 77 35.4 25.8 38.8
 39 33.4 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 21.738 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 126243

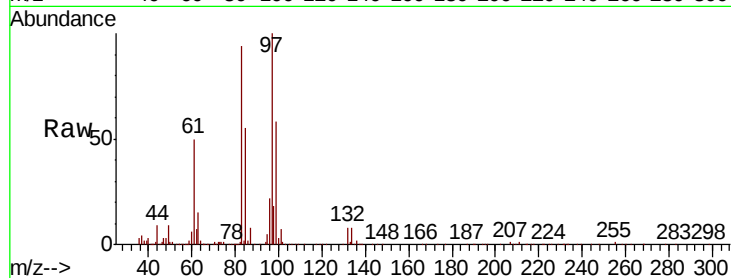
Ion Ratio Lower Upper

97 100

83 94.1 72.0 108.0

85 55.3 47.5 71.3

99 58.4 54.1 81.1



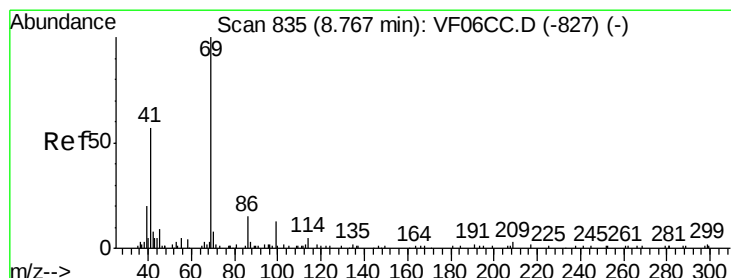
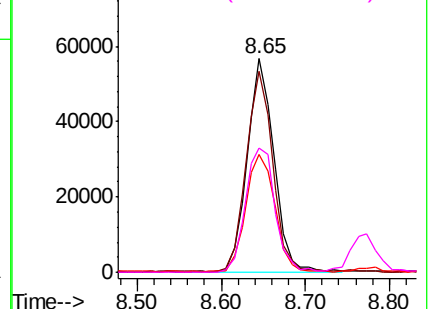
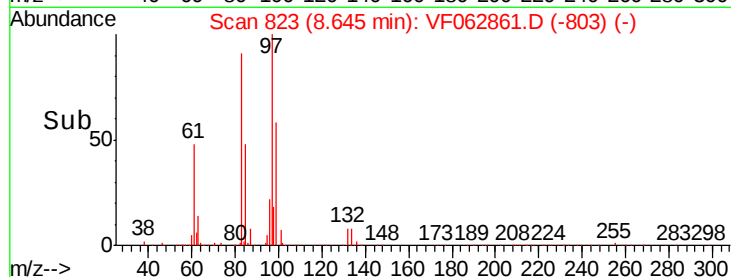
Abundance

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: 20.545 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.02 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

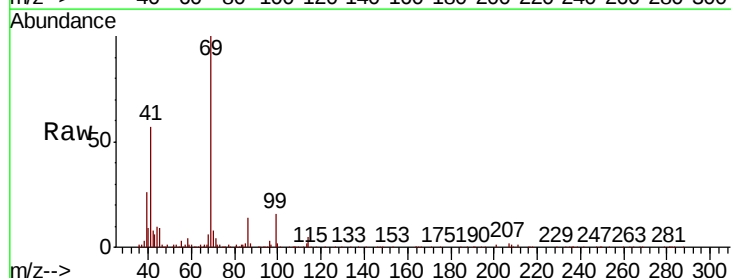
Tgt Ion: 69 Resp: 128024

Ion Ratio Lower Upper

69 100

41 57.0 46.6 69.8

39 25.9 19.6 29.4

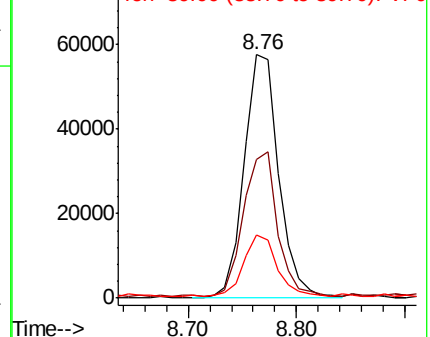
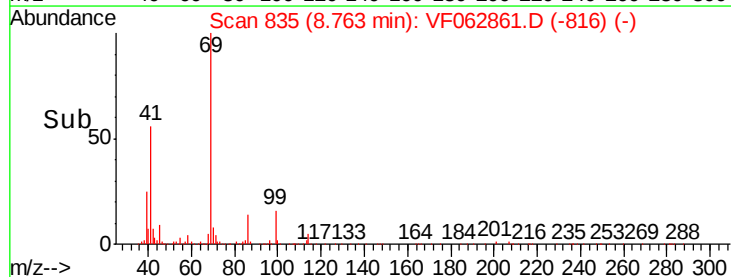


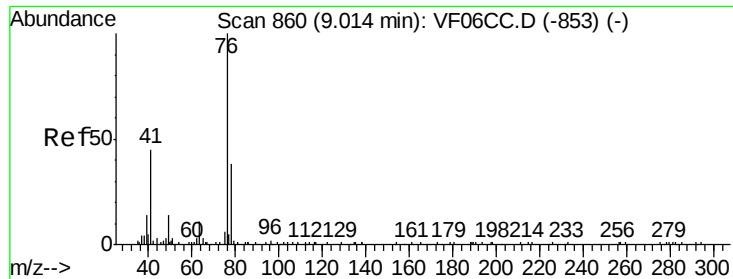
Abundance

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

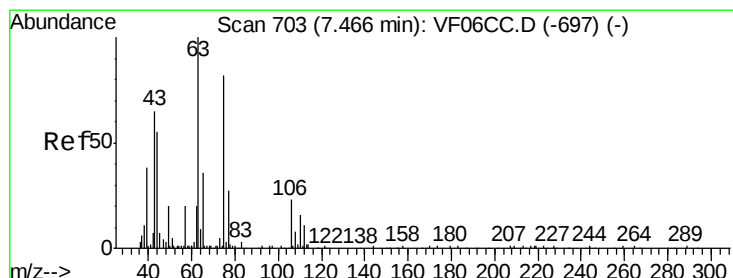
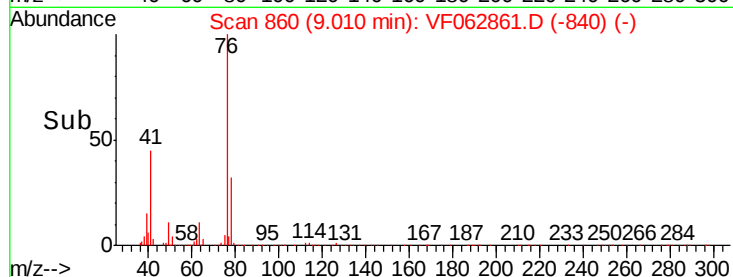
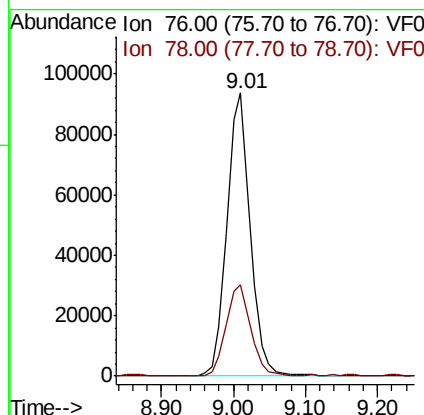
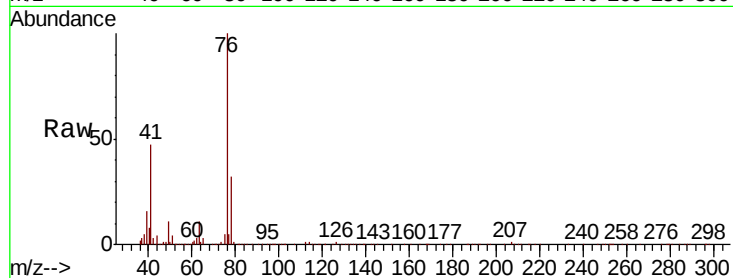




#57
 1,3-Dichloropropane
 Concen: 22.137 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VF062861.D
 Acq: 5 Jun 2019 13:20

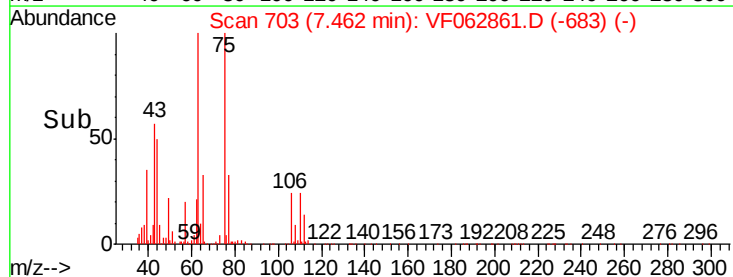
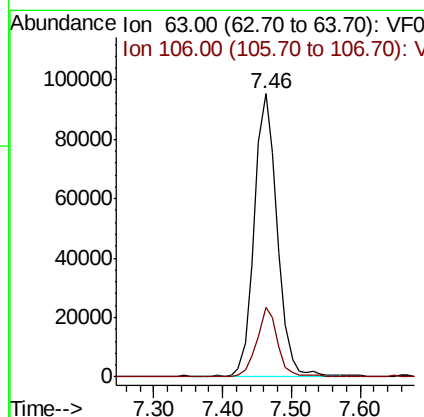
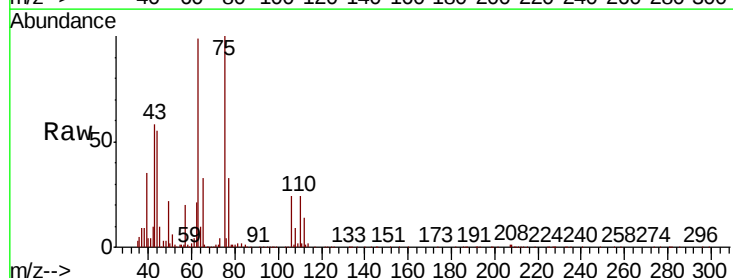
Instrument :
 MSVOA_F
 ClientSampled :

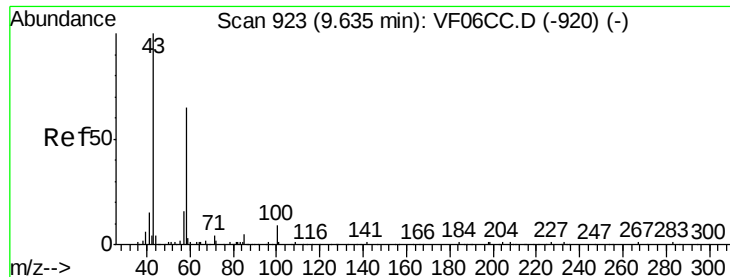
Tot Ion: 76 Resp: 209938
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.266 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VF062861.D
 Acq: 5 Jun 2019 13:20

Tgt Ion: 63 Resp: 222711
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.5 29.3

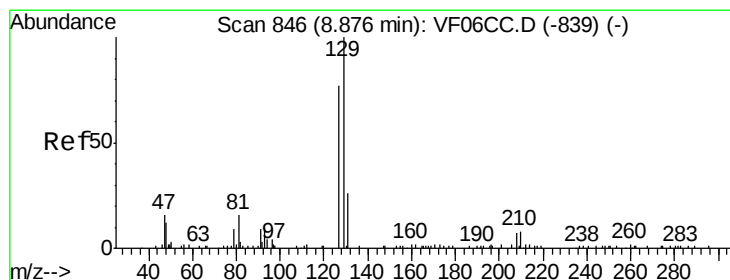
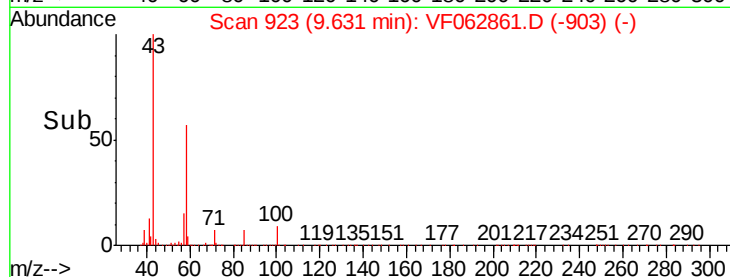
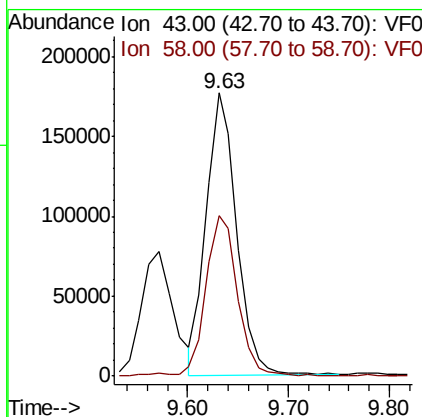
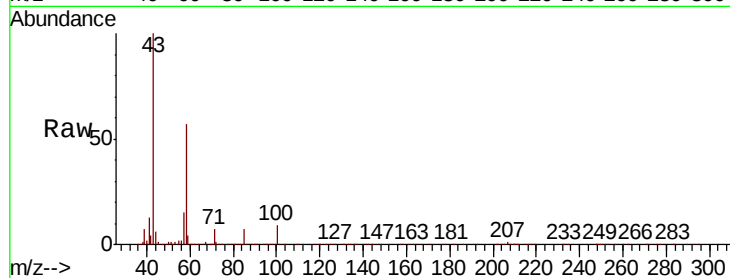




#59
2-Hexanone
Concen: 116.648 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

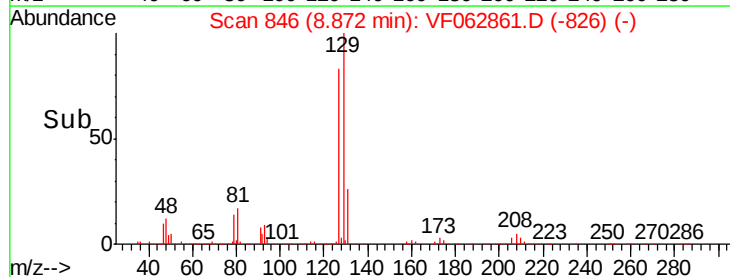
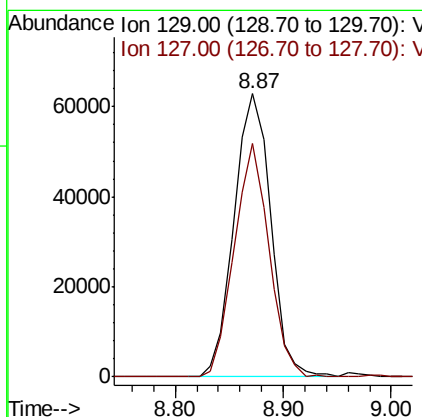
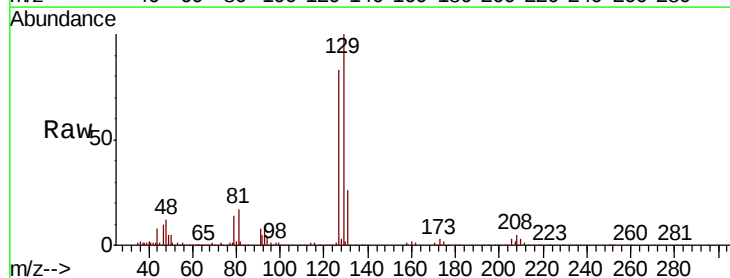
Instrument :
MSVOA_F
ClientSampled :

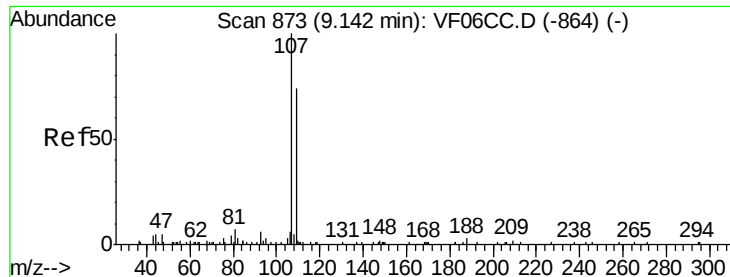
Tot Ion: 43 Resp: 371722
Ion Ratio Lower Upper
43 100
58 56.6 29.3 87.9



#60
Dibromochloromethane
Concen: 20.667 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

Tgt Ion: 129 Resp: 148594
Ion Ratio Lower Upper
129 100
127 82.6 37.1 111.3





#61

1,2-Dibromoethane

Concen: 22.398 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.02 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

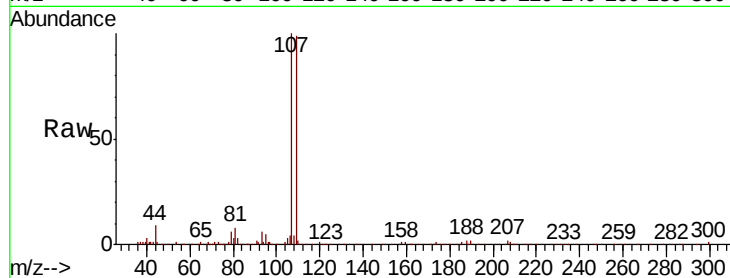
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 135093

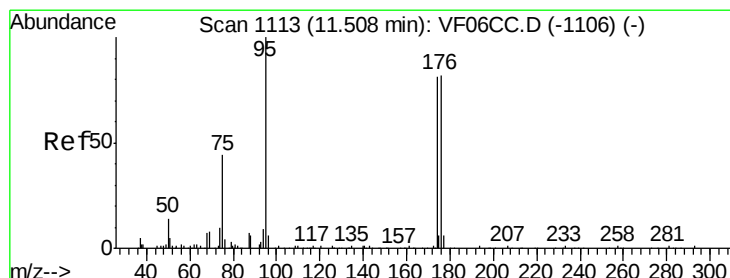
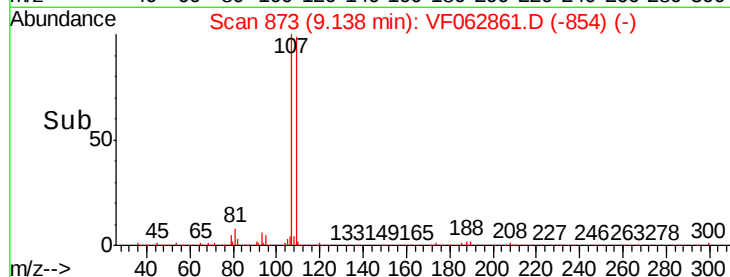
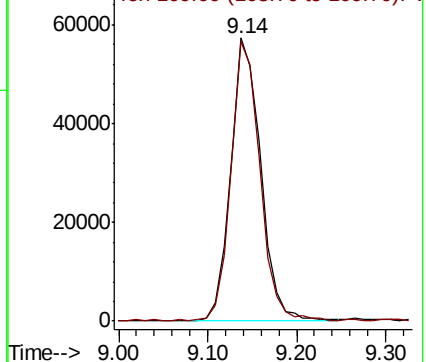
Ion Ratio Lower Upper

107 100

109 98.9 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: 52.061 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

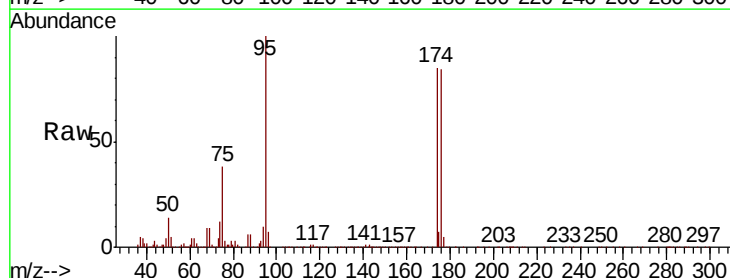
Tgt Ion: 95 Resp: 482047

Ion Ratio Lower Upper

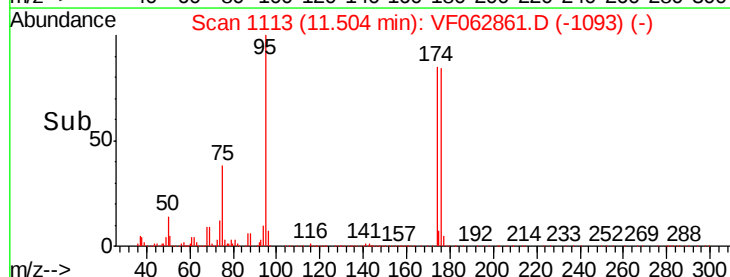
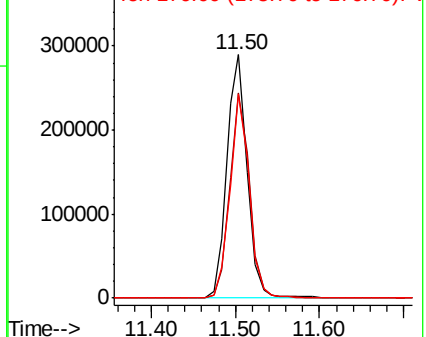
95 100

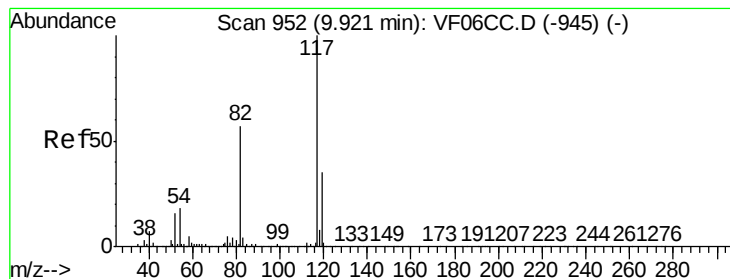
174 84.5 0.0 170.6

176 83.6 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: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

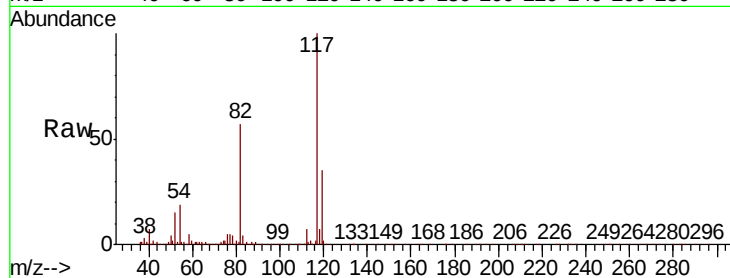
Tot Ion:117 Resp: 1169894

Ion Ratio Lower Upper

117 100

82 56.9 42.4 63.6

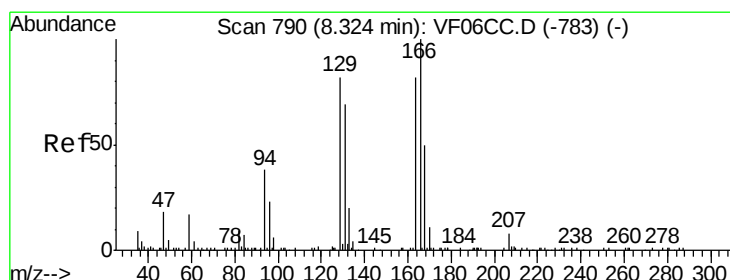
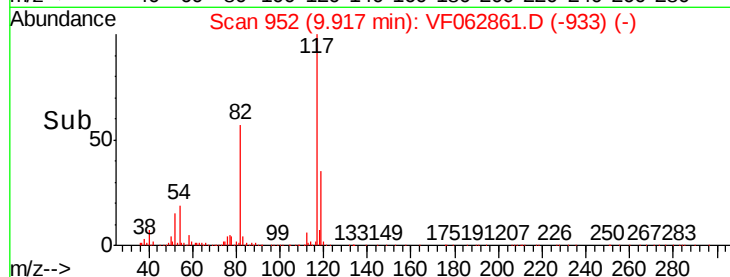
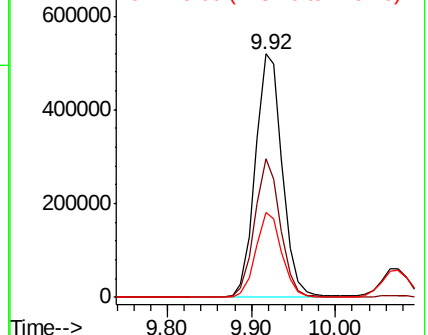
119 34.8 27.1 40.7



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: 19.381 ug/l

RT: 8.32 min Scan# 790

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Tgt Ion:164 Resp: 174231

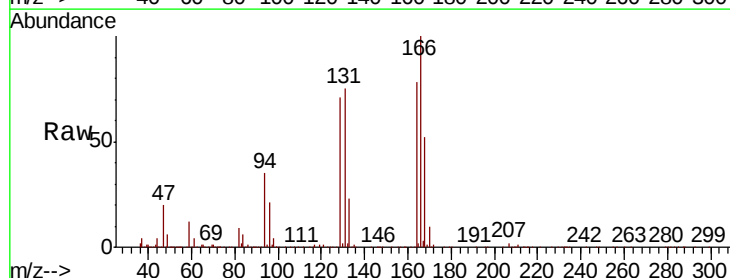
Ion Ratio Lower Upper

164 100

166 128.2 99.1 148.7

129 91.2 69.5 104.3

131 96.2 69.2 103.8

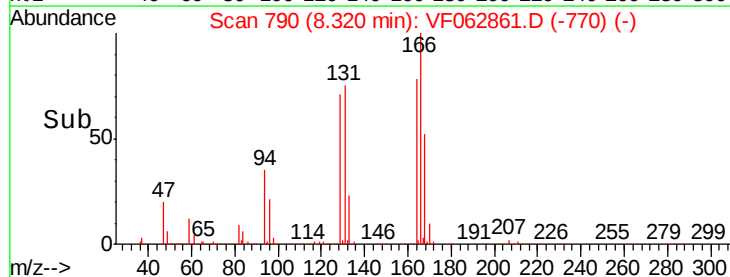
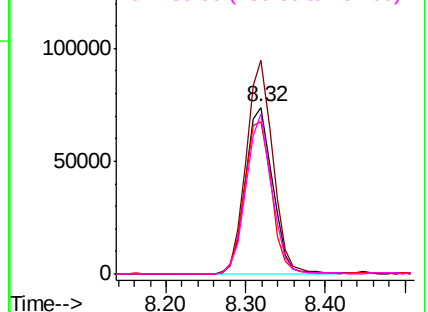


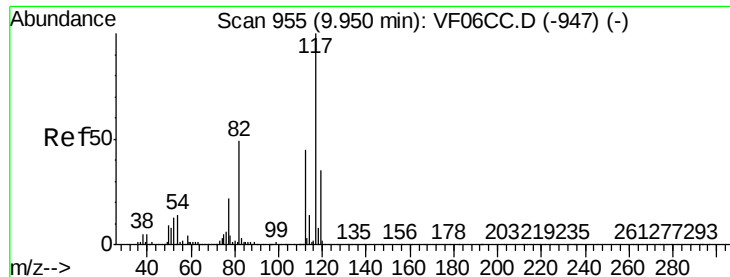
Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.173 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

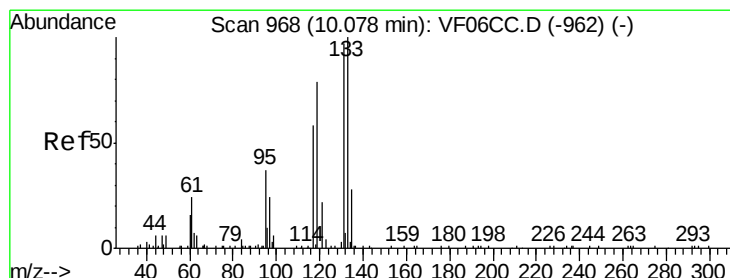
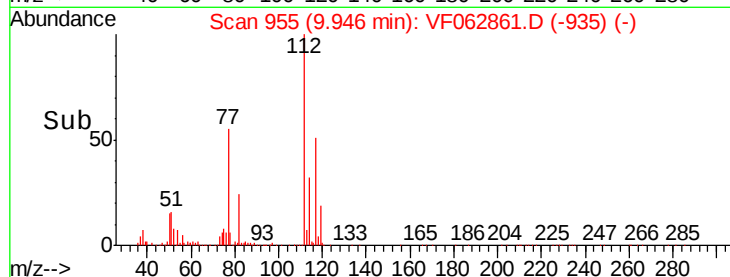
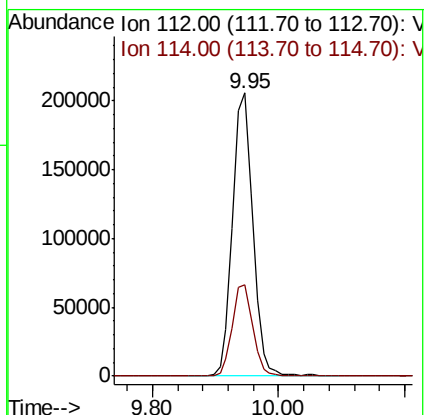
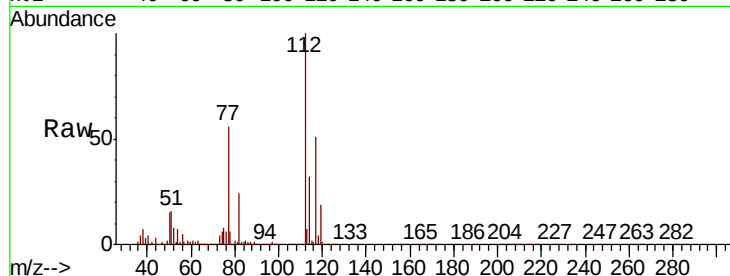
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:112 Resp: 455756

Ion Ratio Lower Upper

112 100

114 32.1 27.4 41.0



#66

1,1,1,2-Tetrachloroethane

Concen: 19.539 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

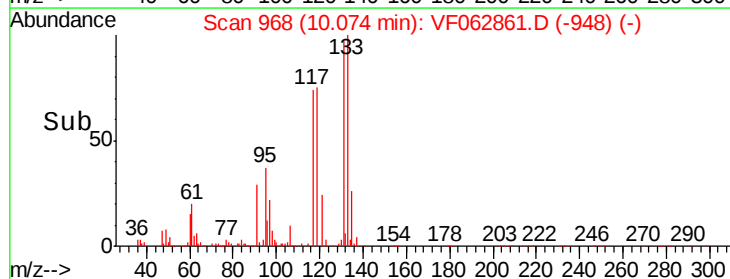
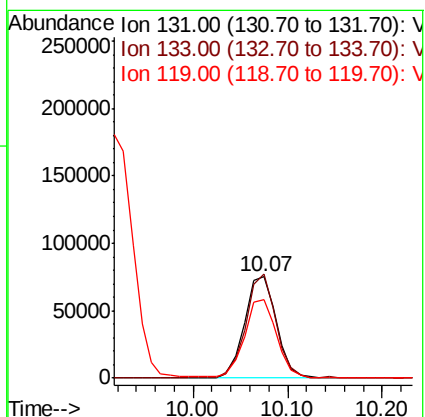
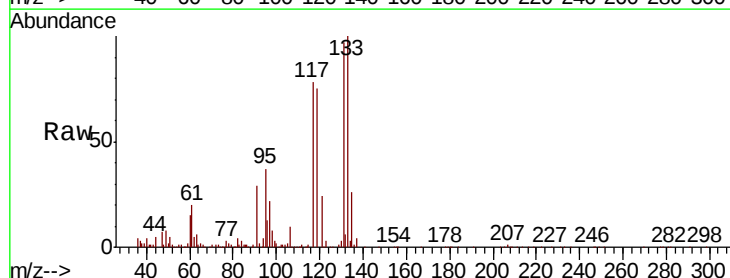
Tgt Ion:131 Resp: 175805

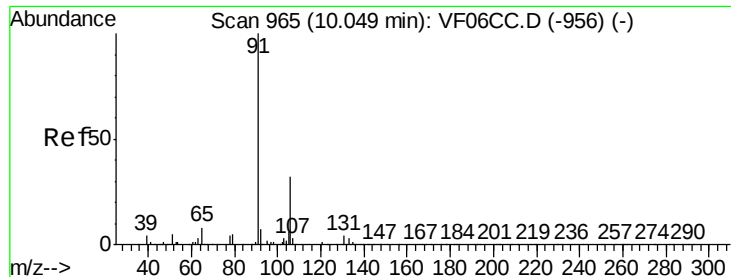
Ion Ratio Lower Upper

131 100

133 103.4 48.9 146.7

119 77.7 38.0 114.0

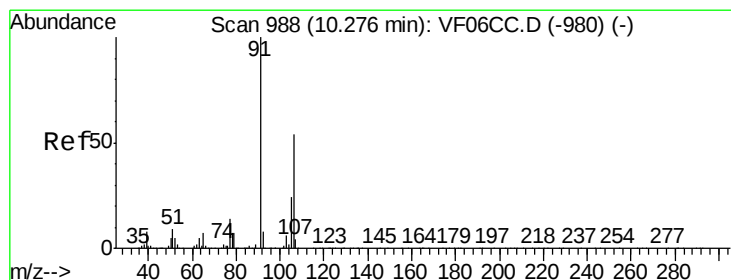
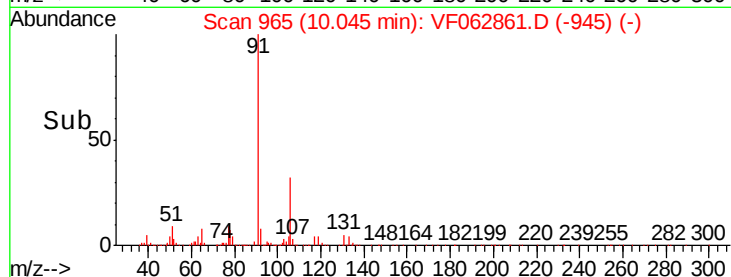
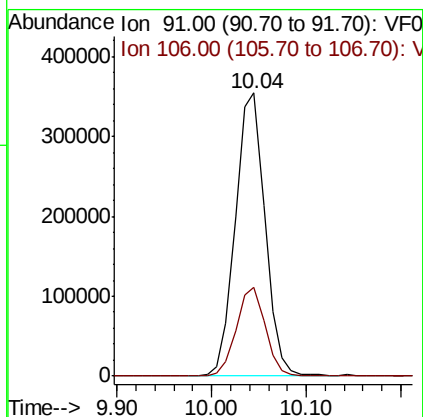
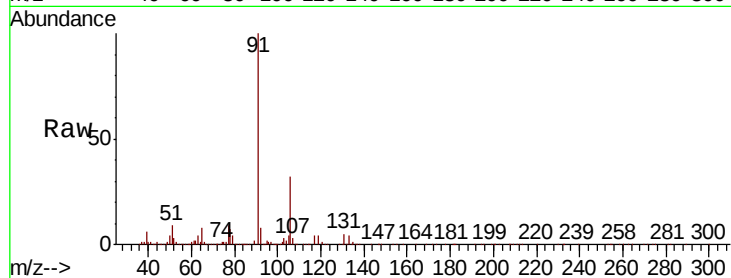




#67
Ethyl Benzene
Concen: 19.874 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

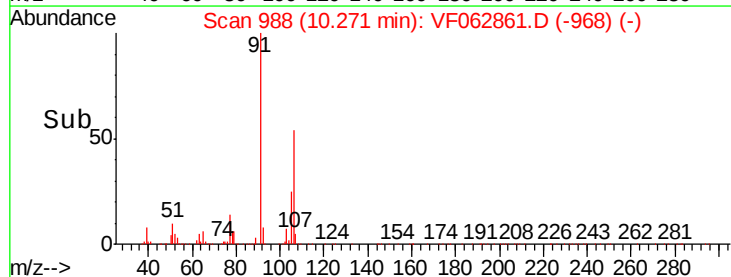
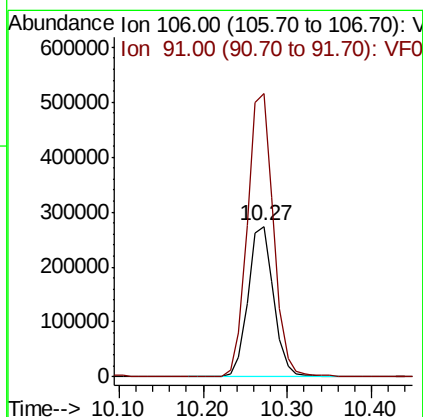
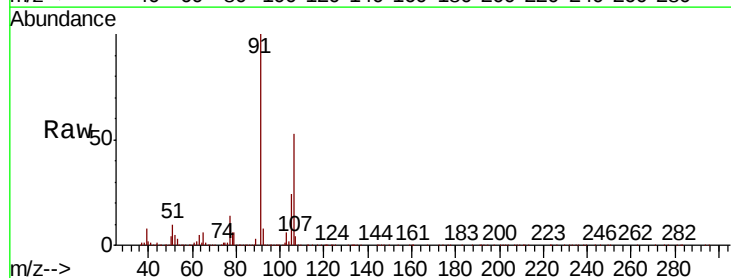
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 770493
Ion Ratio Lower Upper
91 100
106 31.6 26.0 39.0



#68
m/p-Xylenes
Concen: 39.333 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

Tgt Ion: 106 Resp: 583536
Ion Ratio Lower Upper
106 100
91 187.8 136.2 204.4

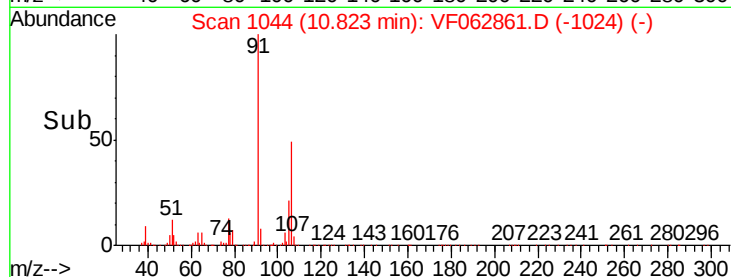
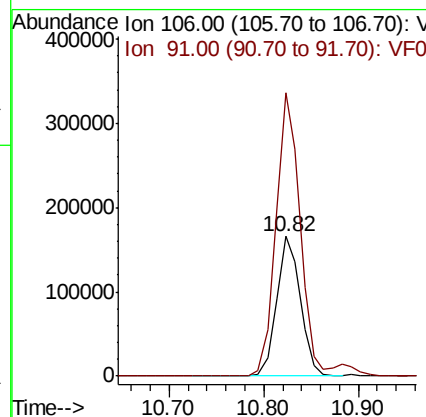
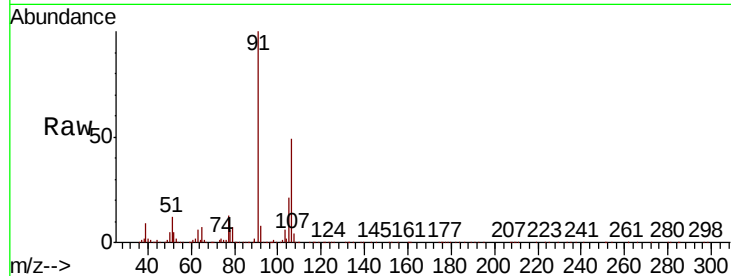




#69
o-Xylene
Concen: 19.350 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

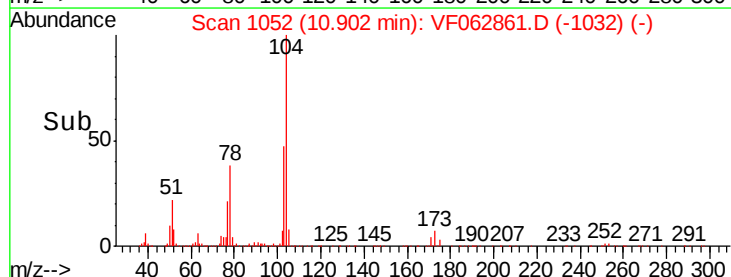
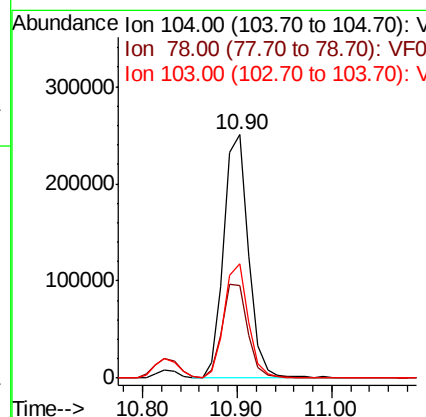
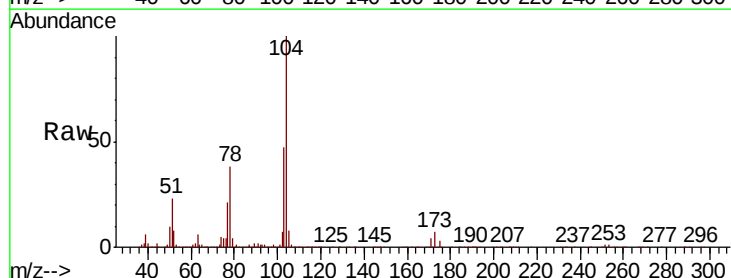
Instrument :
MSVOA_F
ClientSampleId :

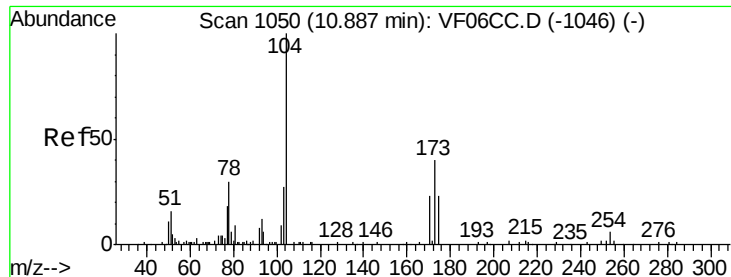
Tot Ion:106 Resp: 290655
Ion Ratio Lower Upper
106 100
91 202.9 96.6 289.8



#70
Styrene
Concen: 20.478 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF062861.D
Acq: 5 Jun 2019 13:20

Tgt Ion:104 Resp: 453382
Ion Ratio Lower Upper
104 100
78 37.9 30.8 46.2
103 47.2 35.8 53.6





#71

Bromoform

Concen: 19.096 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

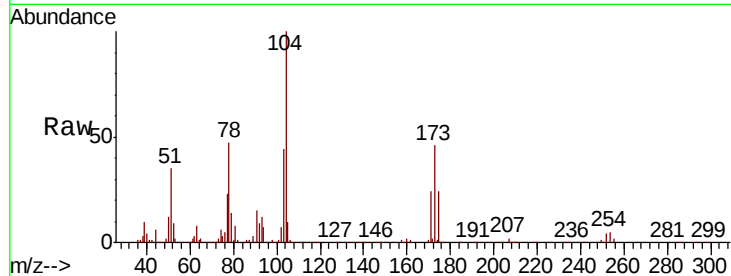
Tot Ion:173 Resp: 82423

Ion Ratio Lower Upper

173 100

175 50.4 24.6 74.0

254 0.2 0.1 0.1#

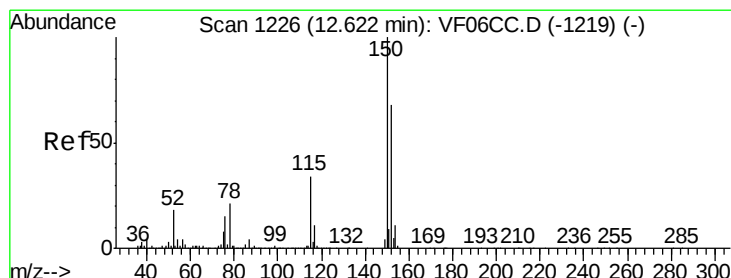
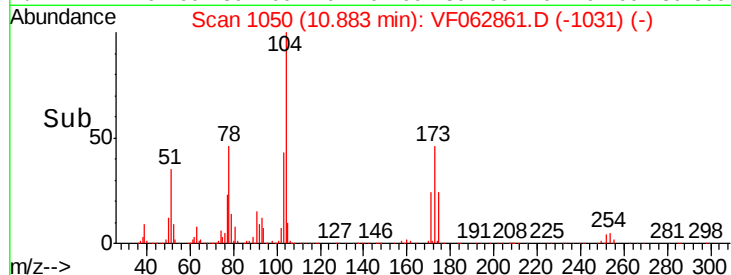
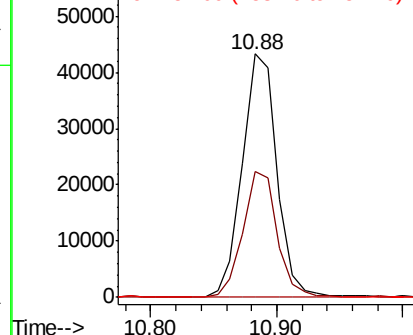


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

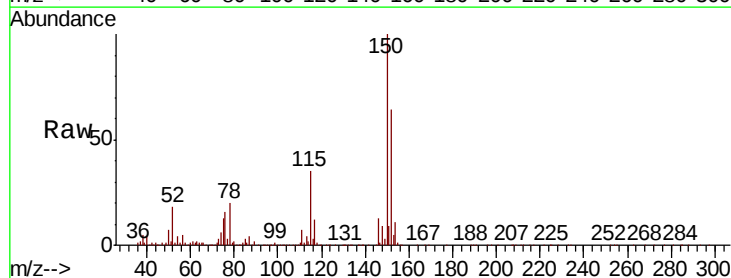
Tgt Ion:152 Resp: 546777

Ion Ratio Lower Upper

152 100

115 53.5 24.6 74.0

150 155.1 0.0 290.6

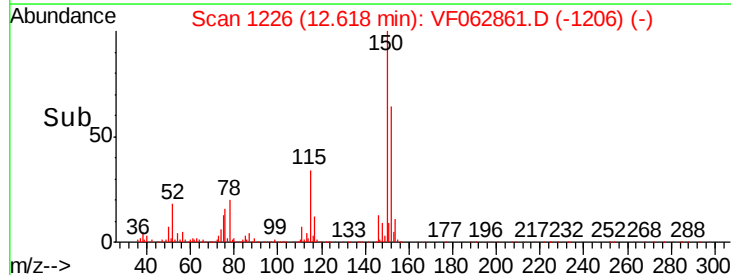
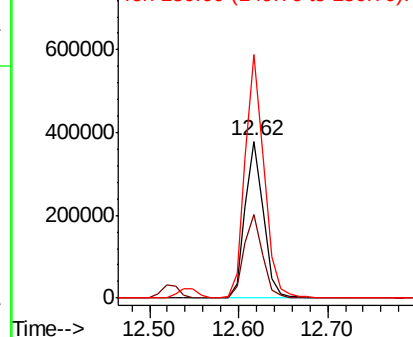


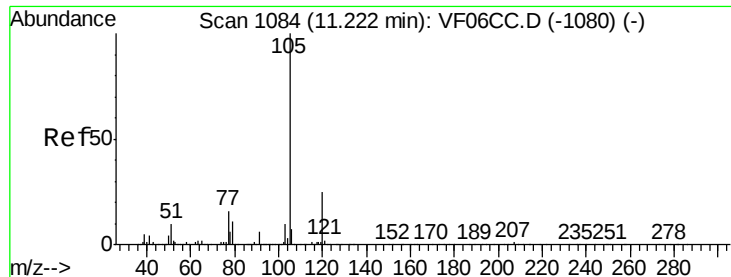
Abundance

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: 21.428 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

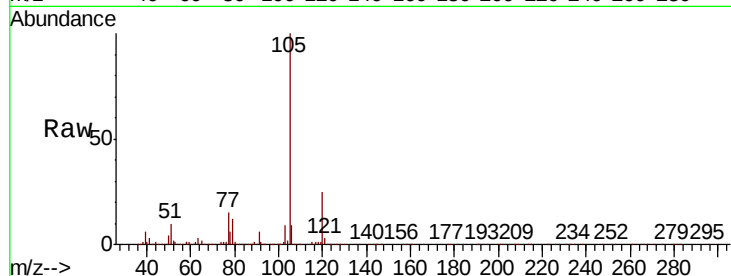
ClientSampleId :

Tot Ion:105 Resp: 817507

Ion Ratio Lower Upper

105 100

120 25.1 15.1 45.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

500000

400000

300000

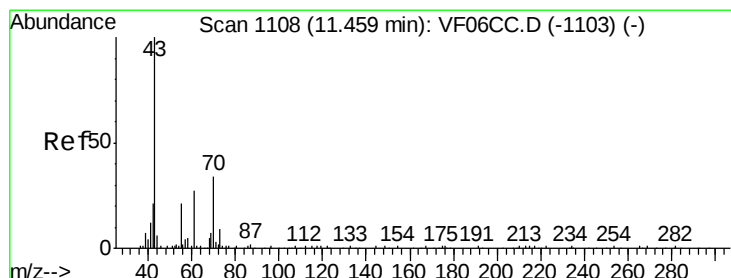
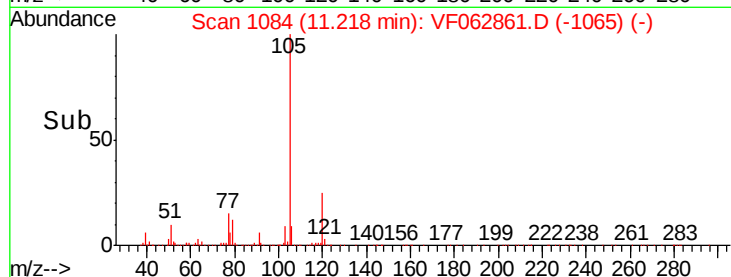
200000

100000

0

Time-->

11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 20.502 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Tgt Ion: 43 Resp: 220454

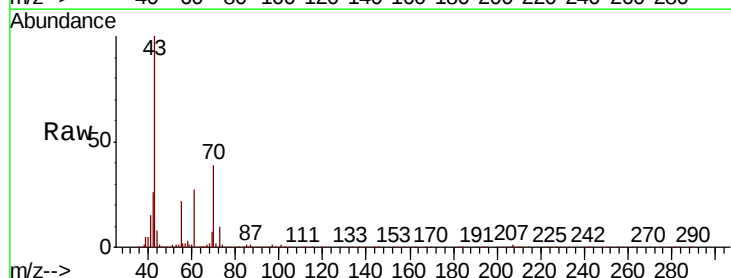
Ion Ratio Lower Upper

43 100

70 39.2 32.9 49.3

55 22.1 17.3 25.9

61 27.4 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

200000

150000

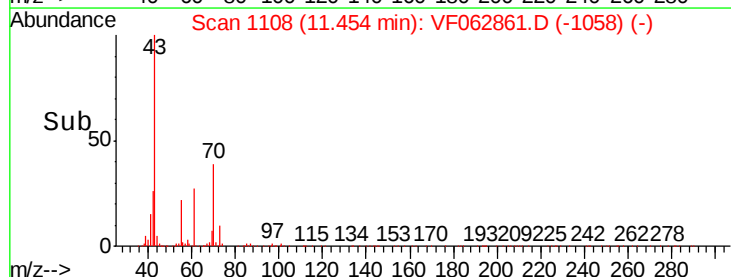
100000

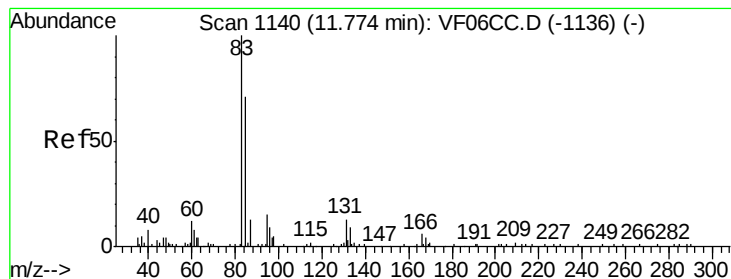
50000

0

Time-->

11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 21.403 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

ClientSampled :

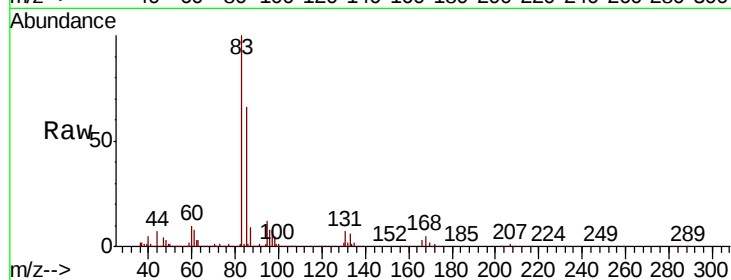
Tot Ion: 83 Resp: 174381

Ion Ratio Lower Upper

83 100

131 7.2 4.9 14.7

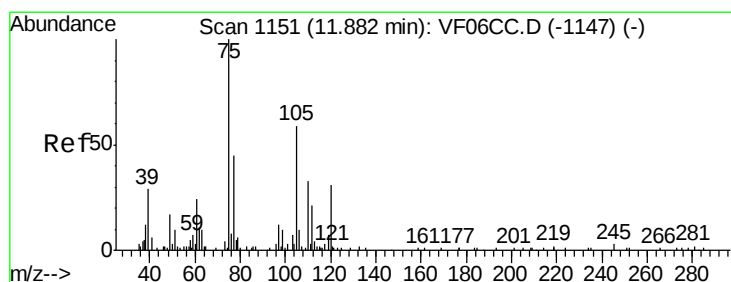
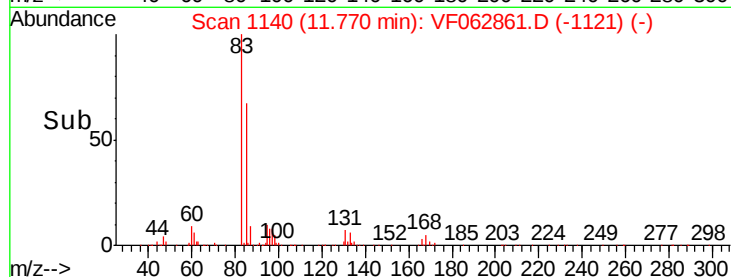
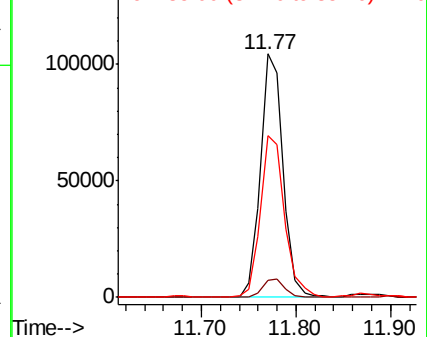
85 66.5 32.1 96.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.780 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF062861.D

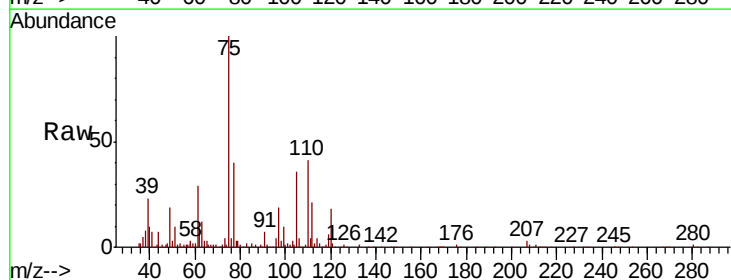
Acq: 5 Jun 2019 13:20

Tgt Ion: 75 Resp: 112226

Ion Ratio Lower Upper

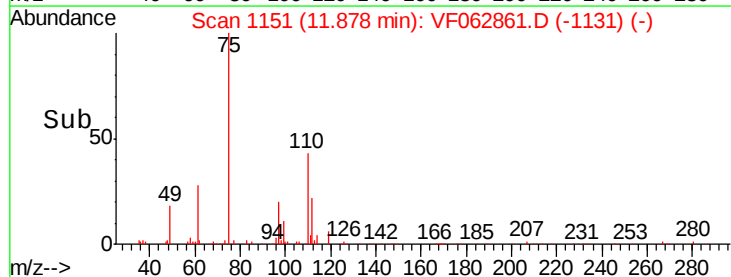
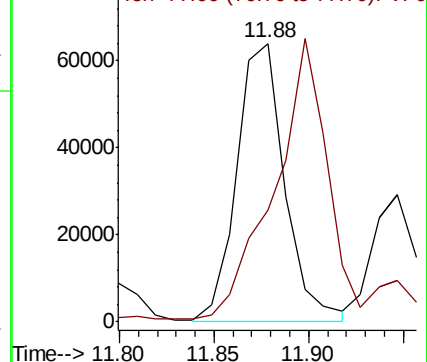
75 100

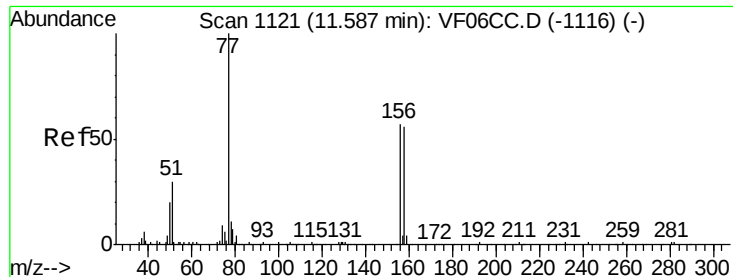
77 40.4 20.1 60.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.156 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

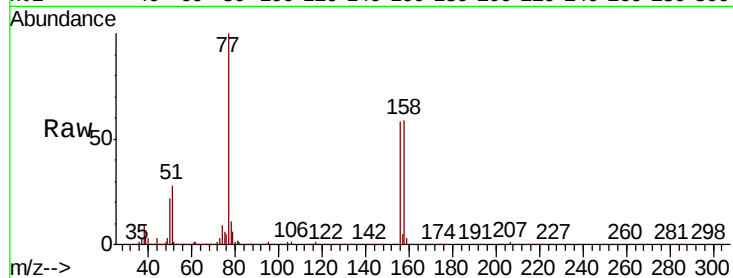
Tot Ion:156 Resp: 193215

Ion Ratio Lower Upper

156 100

77 171.5 64.2 192.6

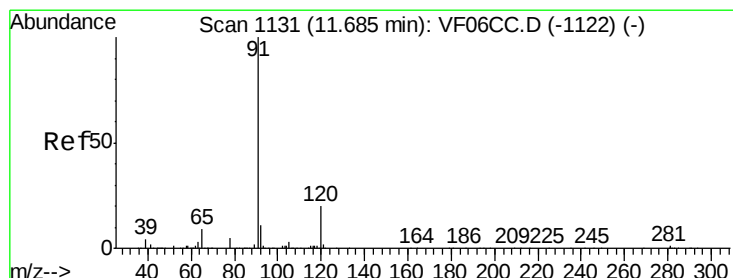
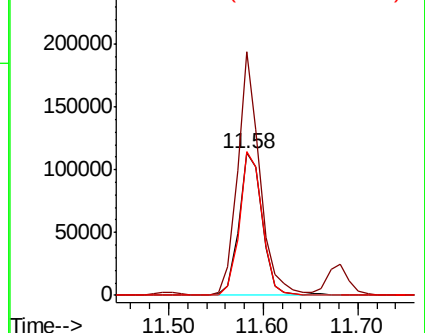
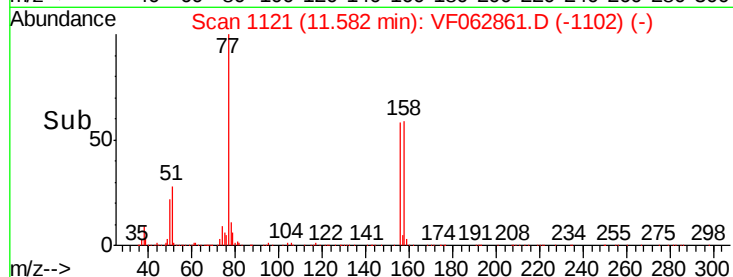
158 100.8 50.3 151.0



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: 21.452 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF062861.D

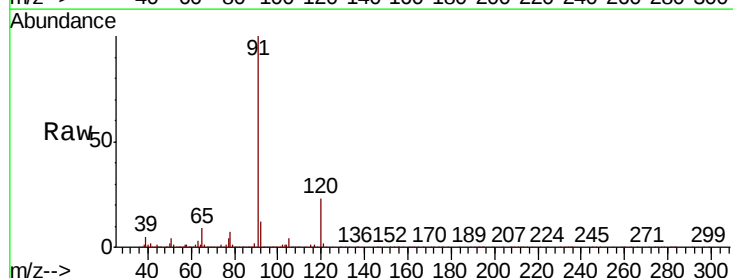
Acq: 5 Jun 2019 13:20

Tgt Ion: 91 Resp: 988189

Ion Ratio Lower Upper

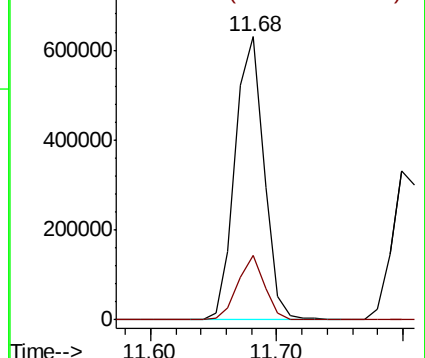
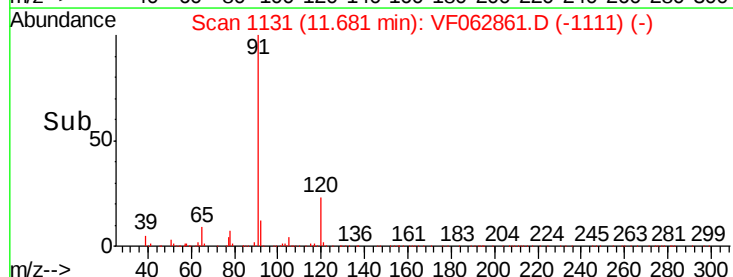
91 100

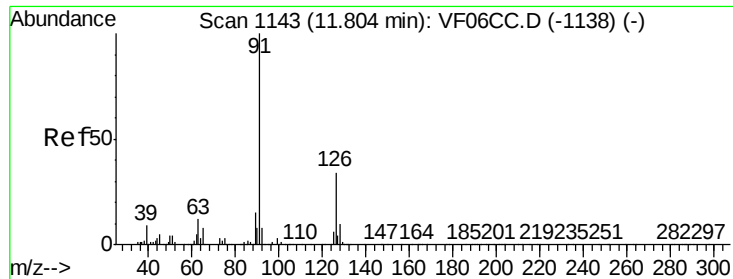
120 22.9 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

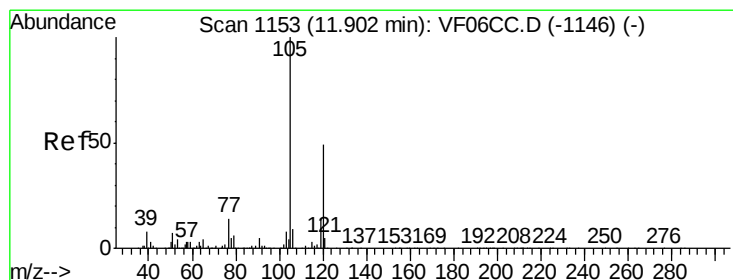
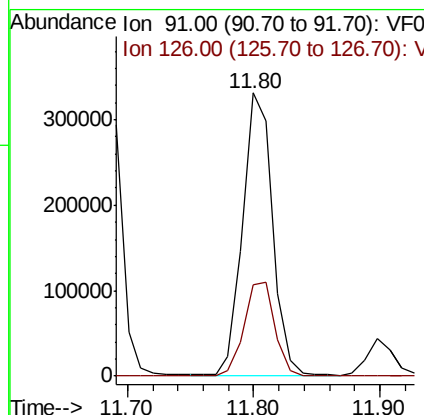
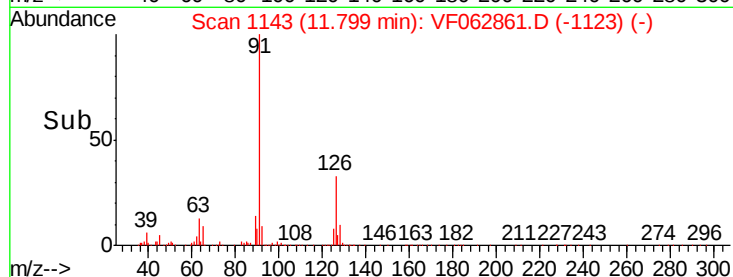
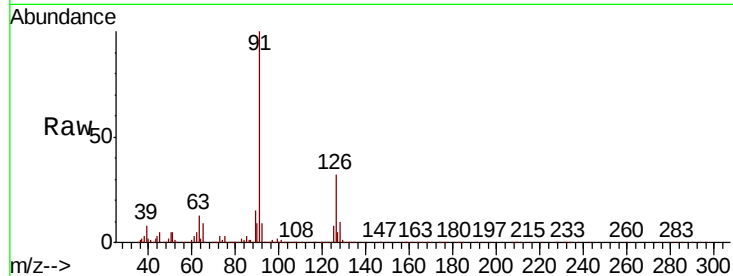




#79
 2-Chlorotoluene
 Concen: 20.445 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VF062861.D
 Acq: 5 Jun 2019 13:20

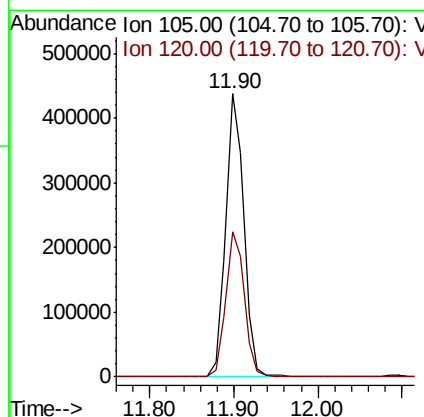
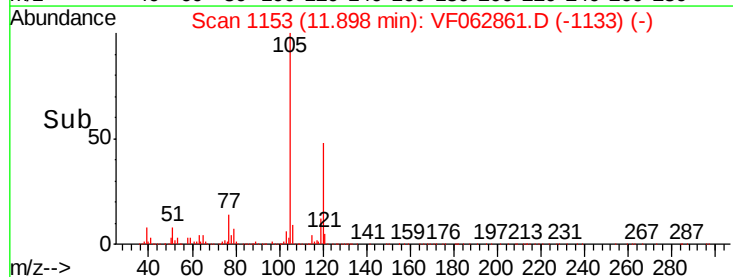
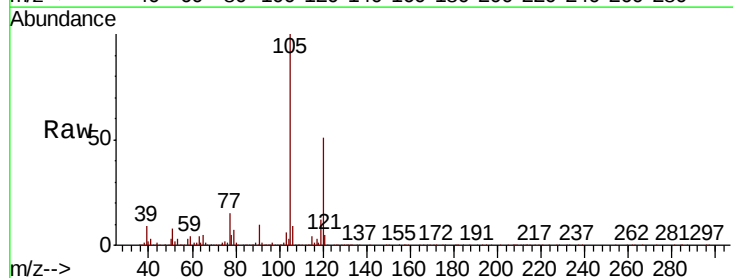
Instrument :
 MSVOA_F
 ClientSampleId :

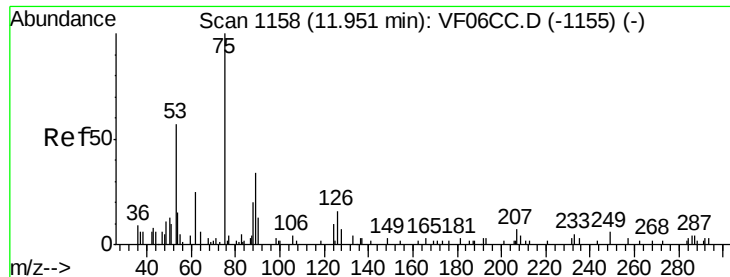
Tot Ion: 91 Resp: 538889
 Ion Ratio Lower Upper
 91 100
 126 32.4 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 21.050 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: VF062861.D
 Acq: 5 Jun 2019 13:20

Tgt Ion: 105 Resp: 656778
 Ion Ratio Lower Upper
 105 100
 120 51.2 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 27.116 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

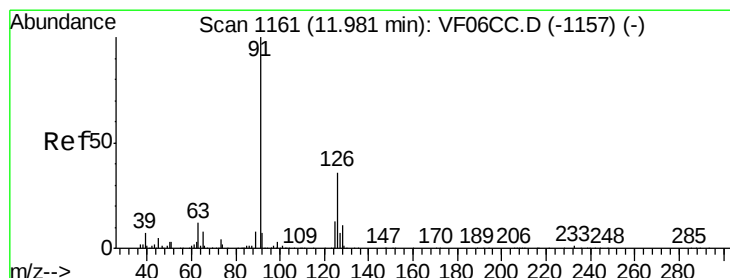
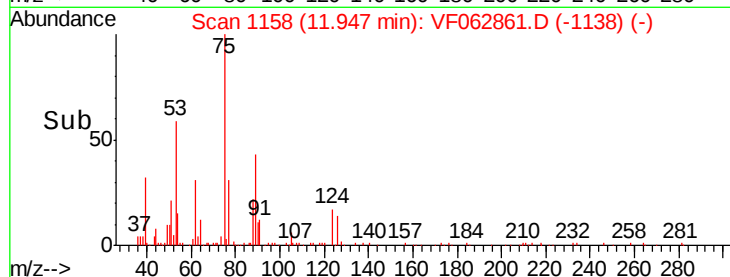
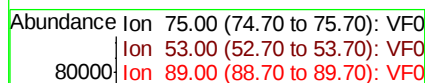
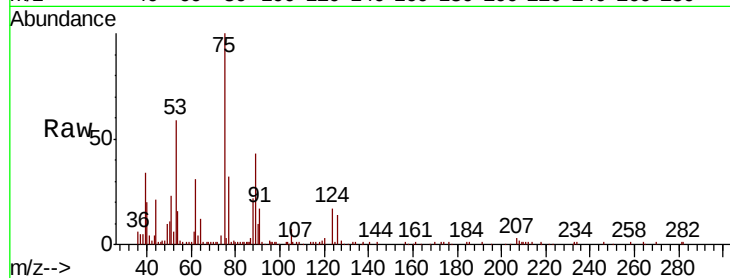
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 75 Resp: 61999

Ion	Ratio	Lower	Upper
75	100		
53	59.2	43.5	65.3
89	43.5	34.3	51.5



#82

4-Chlorotoluene

Concen: 20.708 ug/l

RT: 11.98 min Scan# 1161

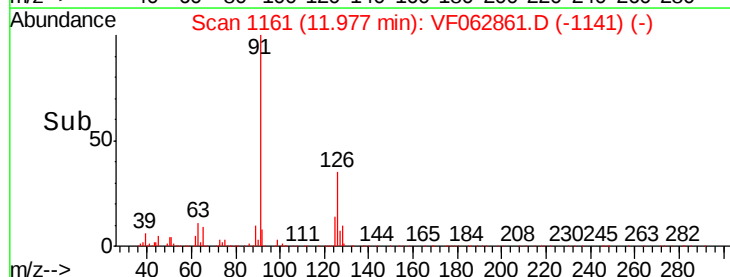
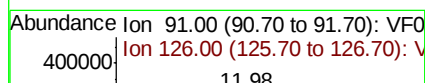
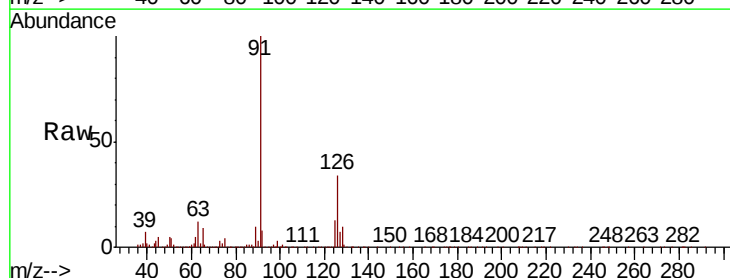
Delta R.T. -0.01 min

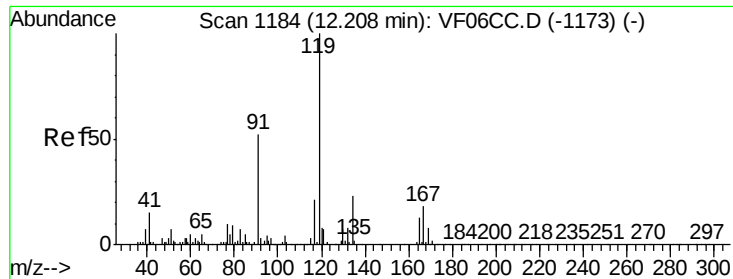
Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Tgt Ion: 91 Resp: 536428

Ion	Ratio	Lower	Upper
91	100		
126	34.0	19.1	57.1

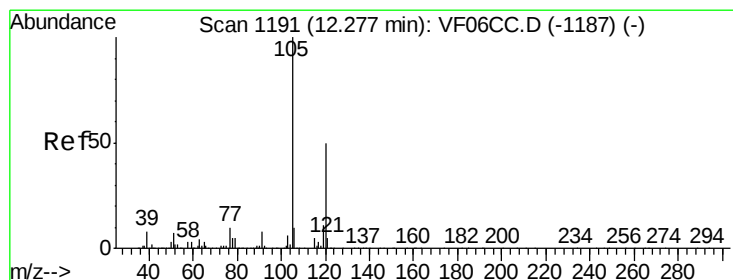
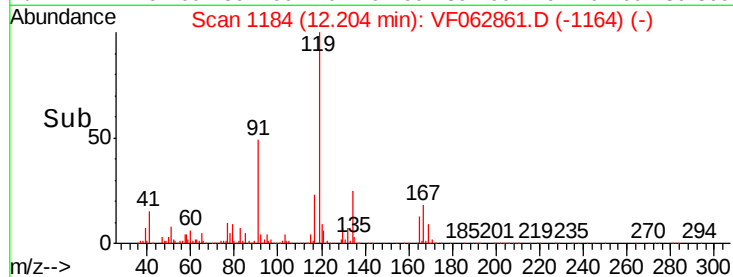
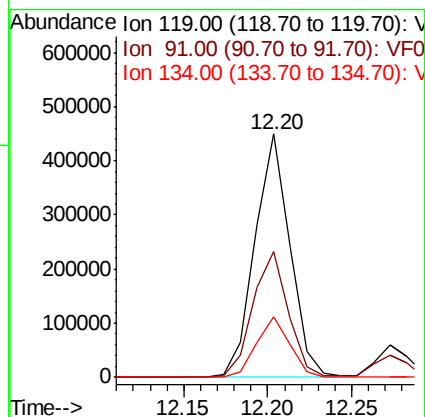
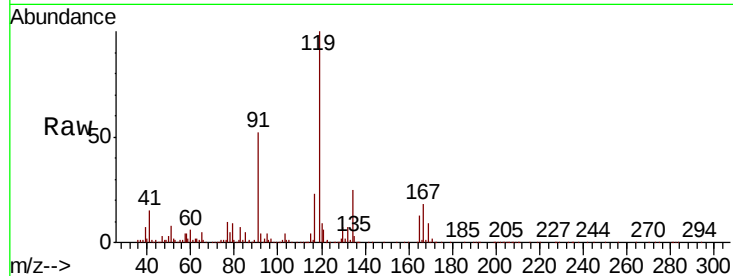




#83
 tert-Butylbenzene
 Concen: 21.079 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF062861.D
 Acq: 5 Jun 2019 13:20

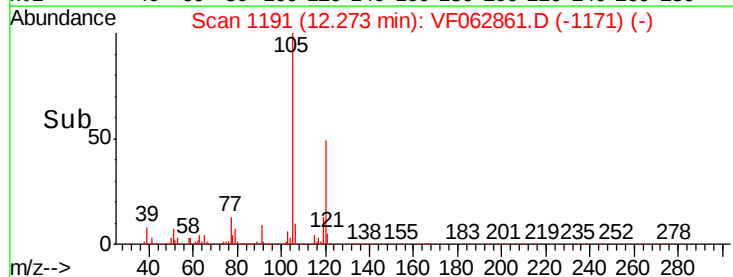
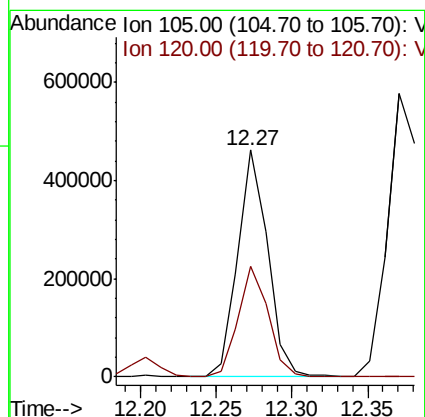
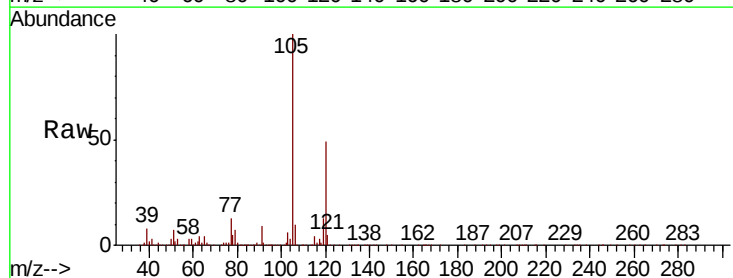
Instrument :
 MSVOA_F
 ClientSampleId :

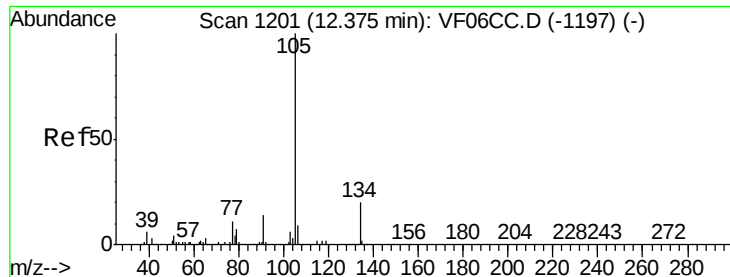
Tot Ion:119 Resp: 651670
 Ion Ratio Lower Upper
 119 100
 91 51.7 28.9 86.7
 134 25.1 14.3 42.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.542 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF062861.D
 Acq: 5 Jun 2019 13:20

Tgt Ion:105 Resp: 637257
 Ion Ratio Lower Upper
 105 100
 120 49.0 27.1 81.3





#85

sec-Butylbenzene

Concen: 21.336 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

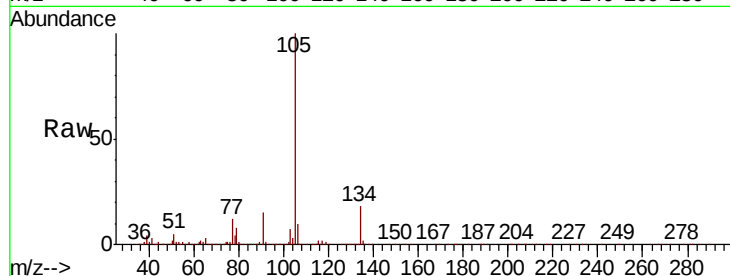
ClientSampled :

Tot Ion:105 Resp: 869160

Ion Ratio Lower Upper

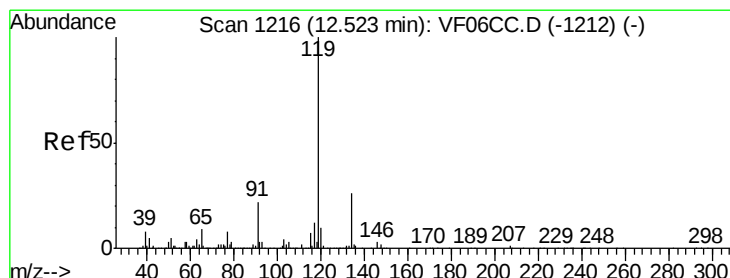
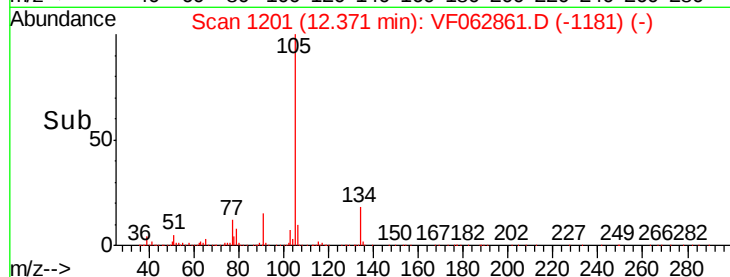
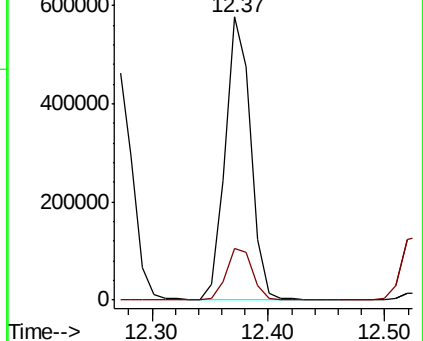
105 100

134 18.1 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.478 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

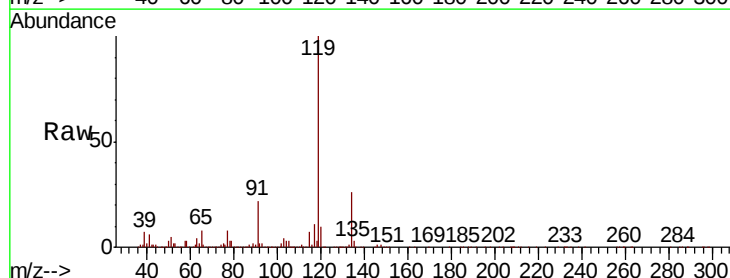
Tgt Ion:119 Resp: 728261

Ion Ratio Lower Upper

119 100

134 25.5 15.5 46.5

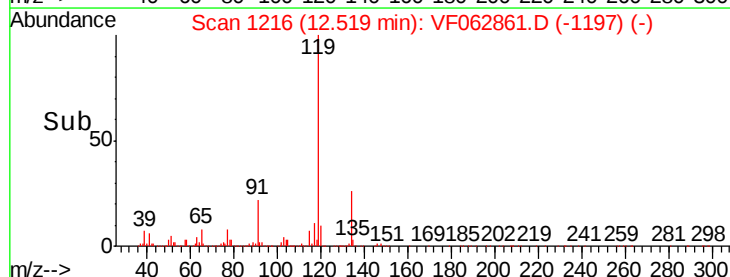
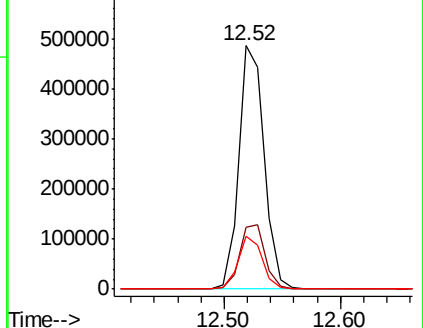
91 21.7 10.3 30.9

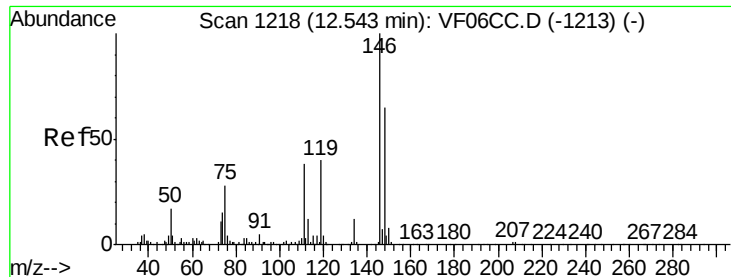


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

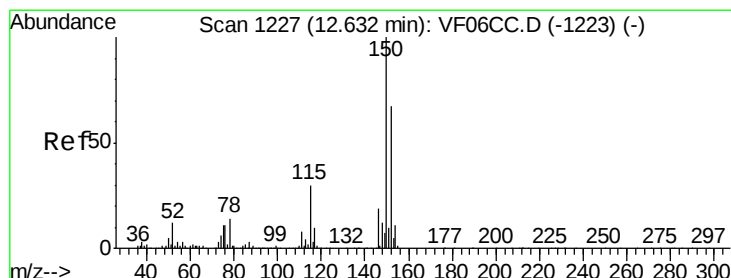
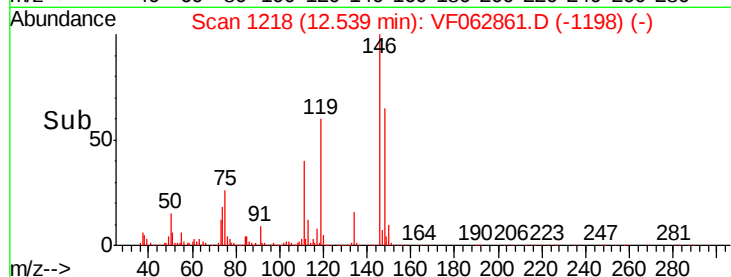
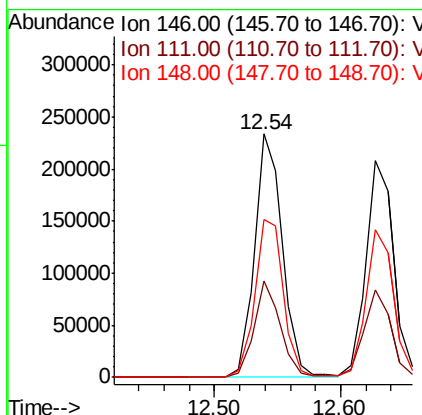
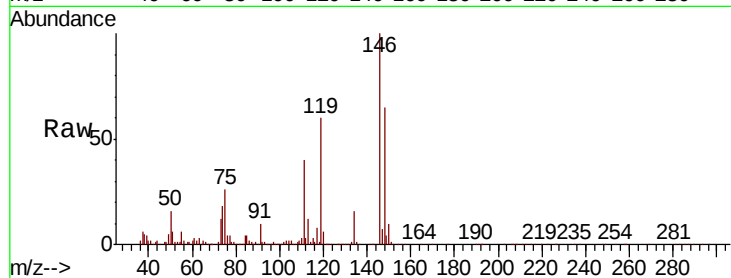




#87
 1,3-Dichlorobenzene
 Concen: 21.261 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF062861.D
 Acq: 5 Jun 2019 13:20

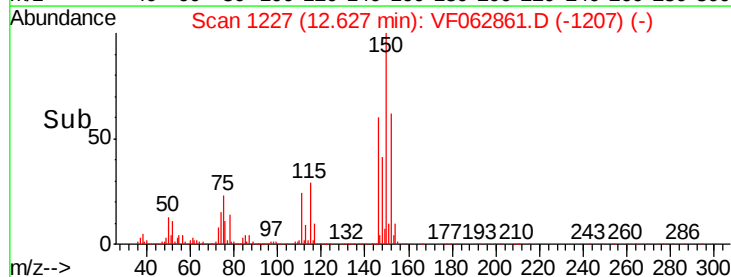
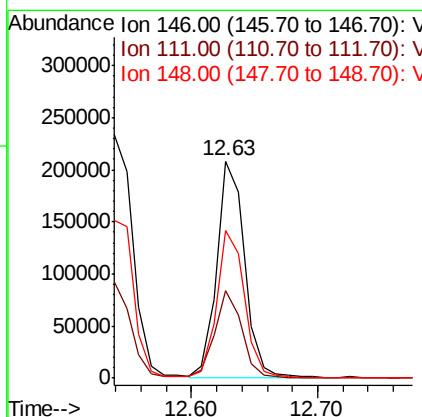
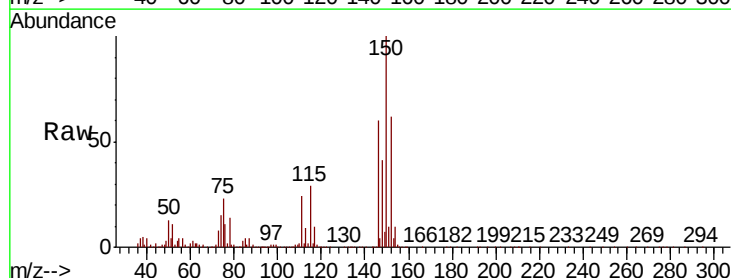
Instrument :
 MSVOA_F
 ClientSampleId :

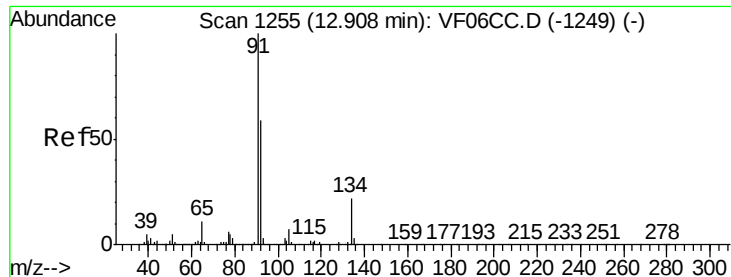
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.8
148	64.9	34.2	102.5



#88
 1,4-Dichlorobenzene
 Concen: 20.284 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF062861.D
 Acq: 5 Jun 2019 13:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	60.9
148	68.2	34.0	101.8





#89

n-Butylbenzene

Concen: 21.479 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

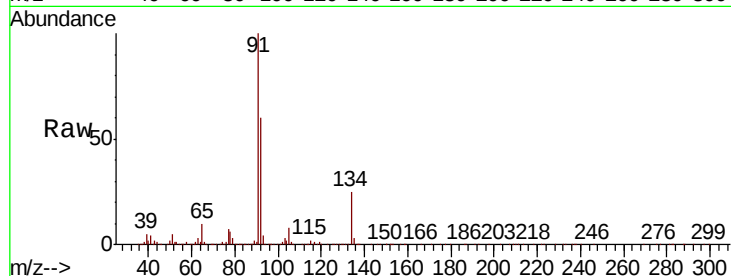
Tot Ion: 91 Resp: 732620

Ion Ratio Lower Upper

91 100

92 59.9 34.2 102.6

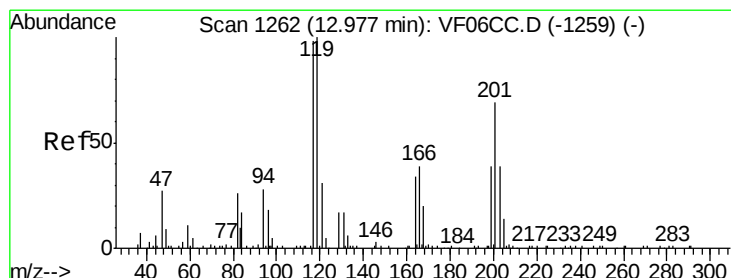
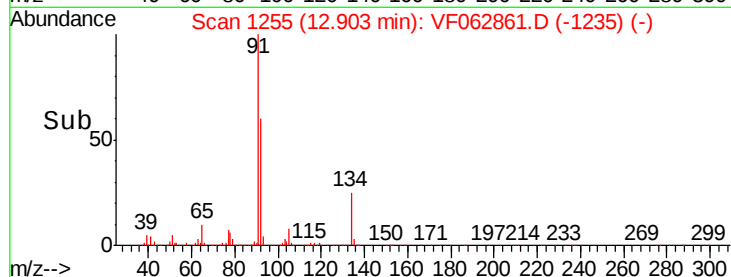
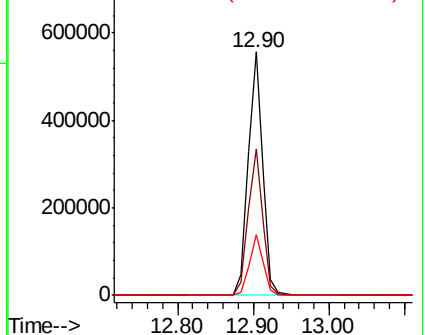
134 25.1 15.8 47.3



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: 20.682 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF062861.D

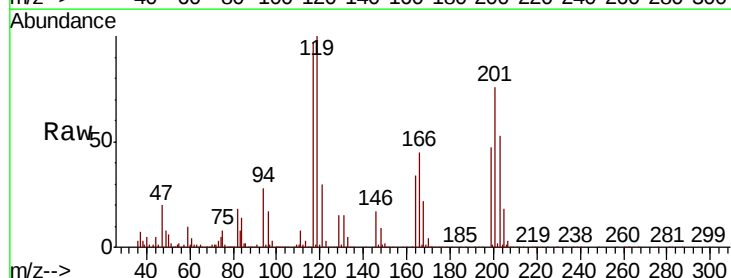
Acq: 5 Jun 2019 13:20

Tgt Ion: 117 Resp: 171044

Ion Ratio Lower Upper

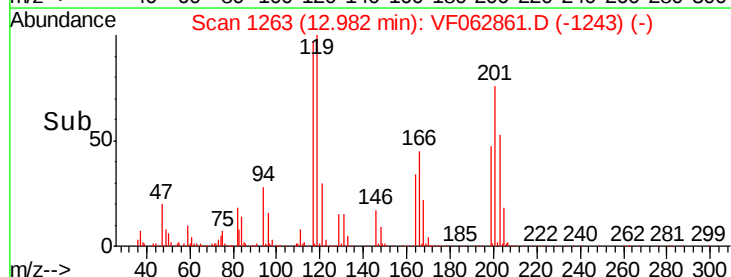
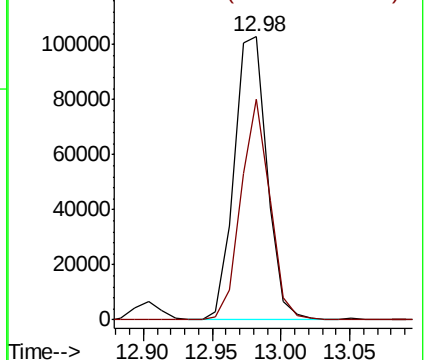
117 100

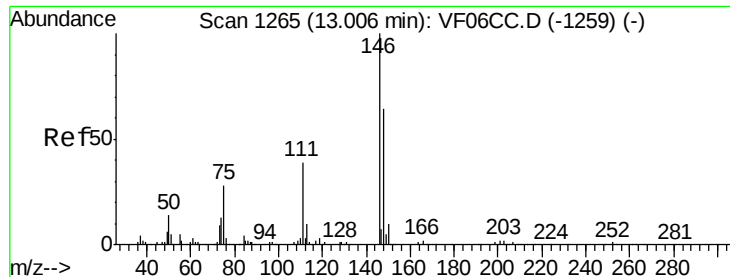
201 79.6 38.9 116.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 20.579 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

ClientSampled :

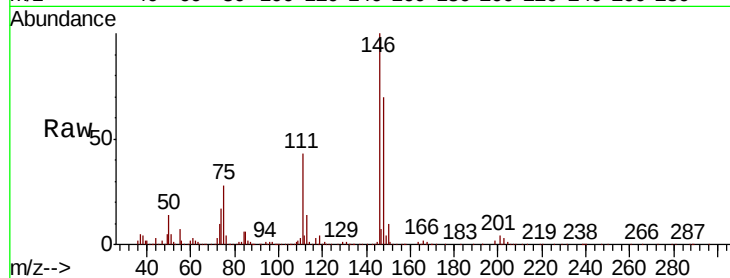
Tot Ion:146 Resp: 305795

Ion Ratio Lower Upper

146 100

111 42.9 20.4 61.3

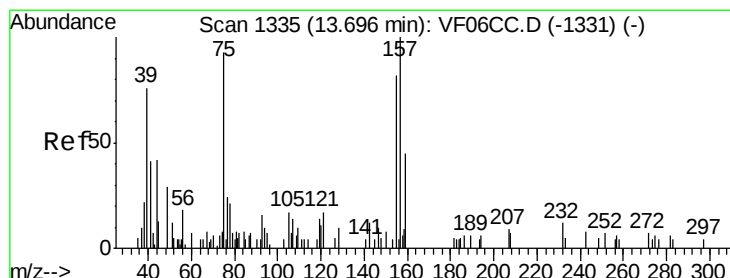
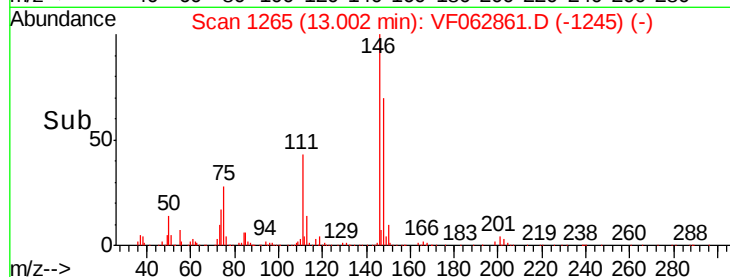
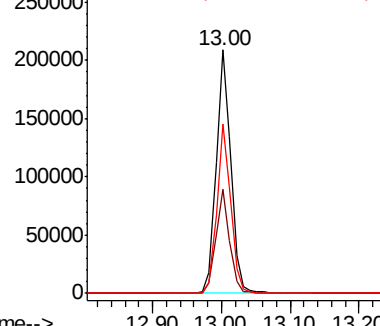
148 69.7 34.1 102.3



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: 20.893 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

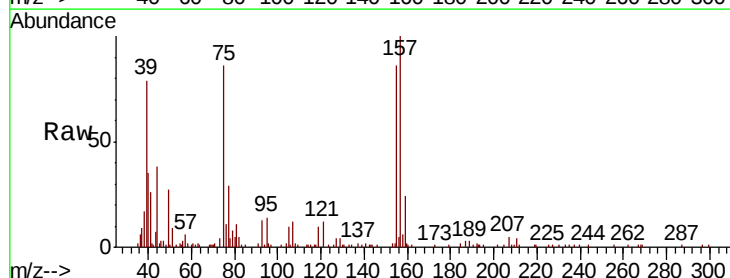
Tgt Ion: 75 Resp: 18545

Ion Ratio Lower Upper

75 100

155 100.0 51.7 155.1

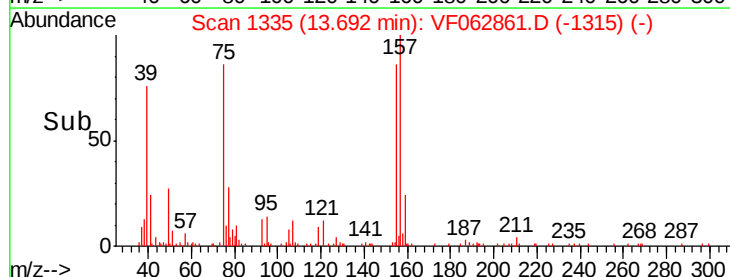
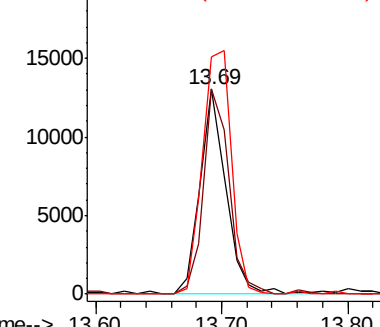
157 115.7 66.8 200.6

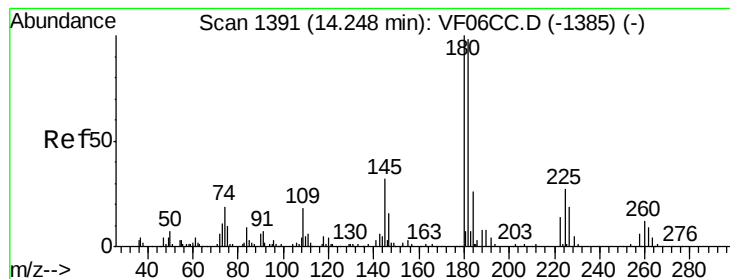


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 19.984 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

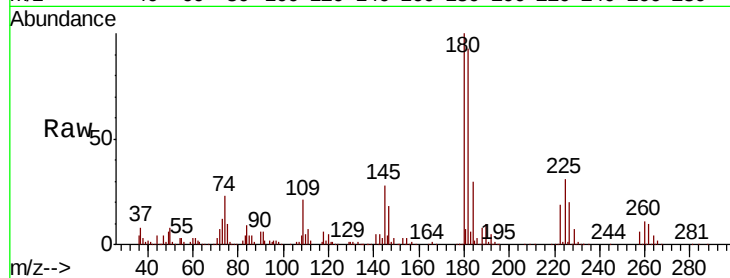
Tot Ion:180 Resp: 203893

Ion Ratio Lower Upper

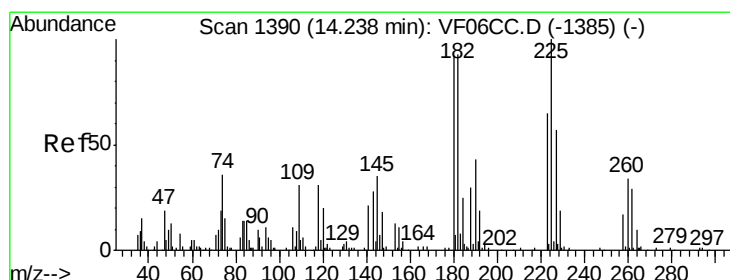
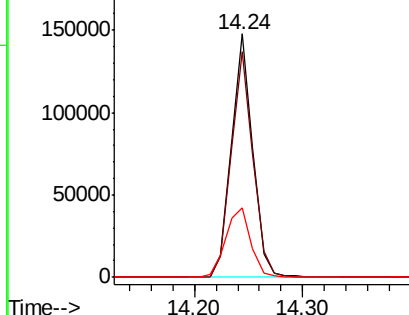
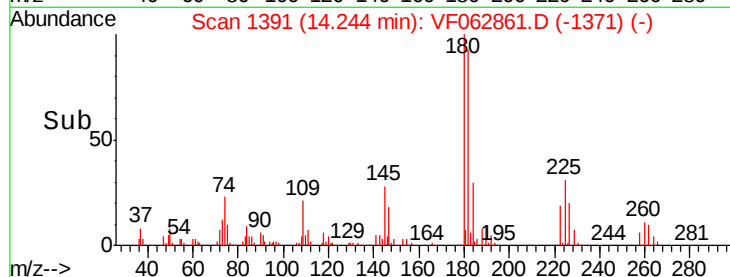
180 100

182 92.9 50.3 150.9

145 28.5 15.4 46.2



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



#94

Hexachlorobutadiene

Concen: 19.649 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

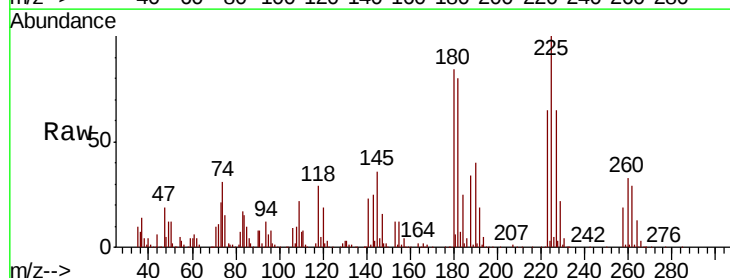
Tgt Ion:225 Resp: 138685

Ion Ratio Lower Upper

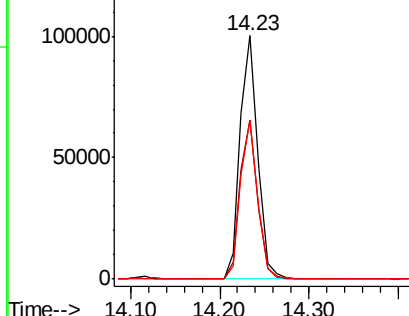
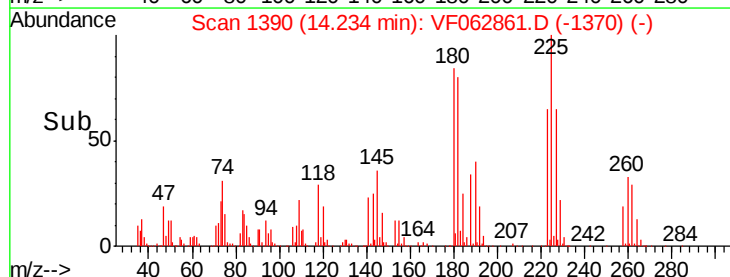
225 100

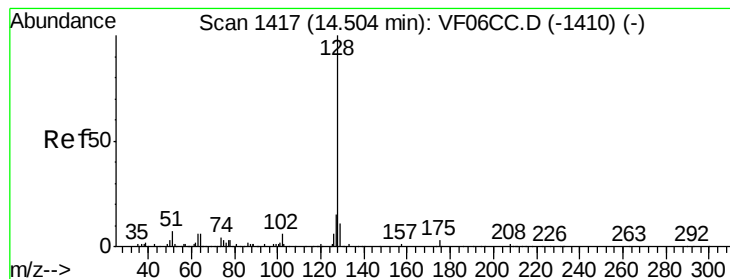
223 65.3 30.8 92.4

227 65.3 31.9 95.5



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 18.270 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

Instrument :

MSVOA_F

ClientSampled :

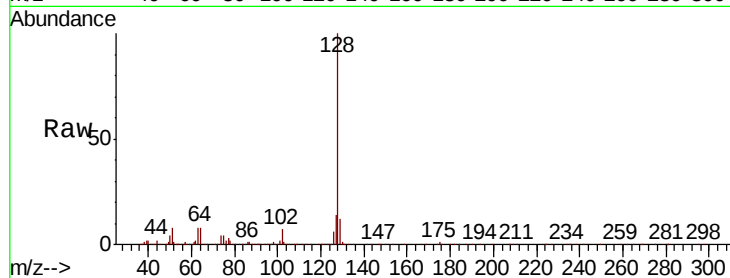
Tot Ion:128 Resp: 305383

Ion Ratio Lower Upper

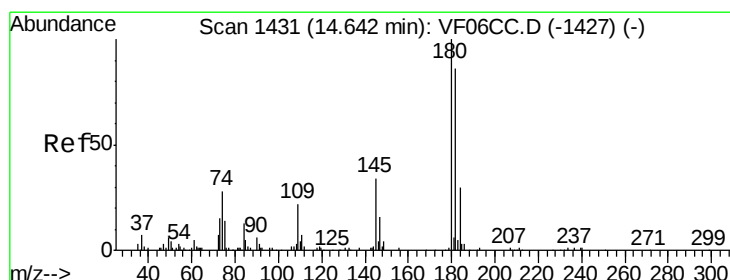
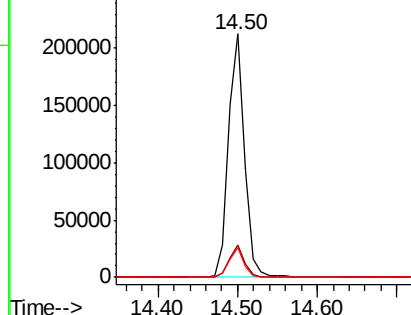
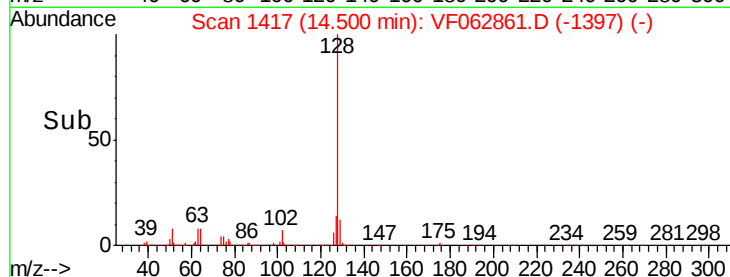
128 100

127 13.5 9.7 14.5

129 12.4 9.4 14.2



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



#96

1,2,3-Trichlorobenzene

Concen: 19.129 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VF062861.D

Acq: 5 Jun 2019 13:20

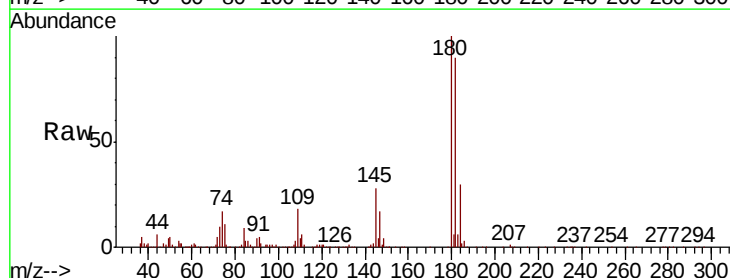
Tgt Ion:180 Resp: 178154

Ion Ratio Lower Upper

180 100

182 90.0 48.6 145.9

145 28.0 15.7 47.0



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

