

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062678.D
 Acq On : 21 May 2019 12:39
 Operator : FY/SY
 Sample : VF0521SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 22 03:54:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	805531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1320363	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	959549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	457090	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	262179	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	
35) Dibromofluoromethane	4.31	113	489555	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
50) Toluene-d8	7.72	98	1086322	45.03	ug/l	0.00
Spiked Amount			Recovery	=	90.06%	
62) 4-Bromofluorobenzene	11.49	95	373274	40.80	ug/l	0.00
Spiked Amount			Recovery	=	81.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	202380	18.462	ug/l	93
3) Chloromethane	1.14	50	192872	19.108	ug/l	90
4) Vinyl Chloride	1.18	62	189660	20.413	ug/l	95
5) Bromomethane	1.37	94	102022	20.072	ug/l	88
6) Chloroethane	1.43	64	63987	18.752	ug/l	99
7) Trichlorofluoromethane	1.55	101	262949	21.077	ug/l	93
8) Diethyl Ether	1.71	74	49152	19.888	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	162379	20.441	ug/l	97
10) Methyl Iodide	1.97	142	332376	21.300	ug/l	97
11) Tert butyl alcohol	2.70	59	40641	108.143	ug/l	99
12) 1,1-Dichloroethene	1.86	96	155990	21.557	ug/l	96
13) Acrolein	2.10	56	39598	100.940	ug/l	94
14) Allyl chloride	2.20	41	178327	27.229	ug/l	97
15) Acrylonitrile	3.09	53	109420	103.218	ug/l	99
16) Acetone	2.35	43	127387	86.261	ug/l #	86
17) Carbon Disulfide	1.90	76	448669	20.919	ug/l	95
18) Methyl Acetate	2.47	43	54161	23.339	ug/l	92
19) Methyl tert-butyl Ether	2.55	73	289325	22.366	ug/l	98
20) Methylene Chloride	2.29	84	157720	21.307	ug/l	89
21) trans-1,2-Dichloroethene	2.43	96	161585	22.846	ug/l	96
22) Diisopropyl ether	2.94	45	346438	21.447	ug/l	98
23) Vinyl Acetate	3.34	43	1155383	106.034	ug/l	99
24) 1,1-Dichloroethane	3.02	63	253788	21.417	ug/l	99
25) 2-Butanone	4.53	43	317669	100.685	ug/l	99
26) 2,2-Dichloropropane	3.78	77	180648	26.644	ug/l	91
27) cis-1,2-Dichloroethene	3.65	96	251282	21.598	ug/l	96
28) Bromochloromethane	3.90	49	128547	19.342	ug/l	98
29) Tetrahydrofuran	4.27	42	131315	102.850	ug/l	99
30) Chloroform	4.06	83	372606	22.648	ug/l	97
31) Cyclohexane	3.89	56	317122	19.931	ug/l	100
32) 1,1,1-Trichloroethane	4.29	97	252578	23.116	ug/l	98
36) 1,1-Dichloropropene	4.48	75	294051	21.734	ug/l	92
37) Ethyl Acetate	4.30	43	111142	20.119	ug/l	82
38) Carbon Tetrachloride	4.19	117	228989	22.504	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	343422	21.095	ug/l	97
40) Benzene	4.83	78	789372	21.416	ug/l	100
41) Methacrylonitrile	4.95	41	63325	21.865	ug/l #	80
42) 1,2-Dichloroethane	5.14	62	156746	21.326	ug/l	97
43) Isopropyl Acetate	7.12	43	135949	18.996	ug/l #	92
44) Trichloroethene	5.69	130	224355	21.658	ug/l	95
45) 1,2-Dichloropropane	6.41	63	194708	20.926	ug/l	93
46) Dibromomethane	6.27	93	116434	21.653	ug/l	94
47) Bromodichloromethane	6.56	83	236217	21.160	ug/l #	98
48) Methyl methacrylate	6.88	41	74897	20.022	ug/l	96
49) 1,4-Dioxane	6.87	88	17368	362.506	ug/l #	85
51) 4-Methyl-2-Pentanone	8.41	43	530414	108.426	ug/l	95
52) Toluene	7.79	92	406998	21.055	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	189147	20.711	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	271653	21.249	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	118450	20.696	ug/l	93
56) Ethyl methacrylate	8.76	69	141925	20.814	ug/l	95
57) 1,3-Dichloropropane	9.00	76	168395	17.274	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.45	63	207900	93.670	ug/l	97
59) 2-Hexanone	9.62	43	332943	93.446	ug/l	98
60) Dibromochloromethane	8.86	129	158512	21.250	ug/l	92
61) 1,2-Dibromoethane	9.14	107	125141	20.585	ug/l	90
64) Tetrachloroethene	8.31	164	174773	22.991	ug/l	97
65) Chlorobenzene	9.94	112	417333	22.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	178944	23.652	ug/l	91
67) Ethyl Benzene	10.04	91	776721	23.724	ug/l	97
68) m/p-Xylenes	10.26	106	575428	46.763	ug/l	88
69) o-Xylene	10.82	106	273113	21.548	ug/l	98
70) Styrene	10.89	104	406523	21.102	ug/l	98
71) Bromoform	10.88	173	80861	21.339	ug/l #	84
73) Isopropylbenzene	11.22	105	742907	22.677	ug/l	97
74) N-amyl acetate	11.45	43	196481	20.374	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	140771	21.026	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	93277	21.204	ug/l	89
77) Bromobenzene	11.58	156	173885	21.353	ug/l	94
78) n-propylbenzene	11.67	91	861226	22.213	ug/l	93
79) 2-Chlorotoluene	11.80	91	492029	22.519	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	581486	22.136	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	53791	27.509	ug/l	94
82) 4-Chlorotoluene	11.98	91	459591	21.330	ug/l	98
83) tert-Butylbenzene	12.19	119	624748	23.442	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	569814	22.412	ug/l	98
85) sec-Butylbenzene	12.37	105	792088	22.146	ug/l	95
86) p-Isopropyltoluene	12.52	119	687180	22.798	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	318172	21.596	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	303348	21.941	ug/l	96
89) n-Butylbenzene	12.89	91	712137	23.963	ug/l	88
90) Hexachloroethane	12.97	117	176192	24.367	ug/l	87
91) 1,2-Dichlorobenzene	13.00	146	300332	22.869	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	21555	26.988	ug/l	86

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ClientSampleId :

Quant Time: May 22 03:54:36 2019
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

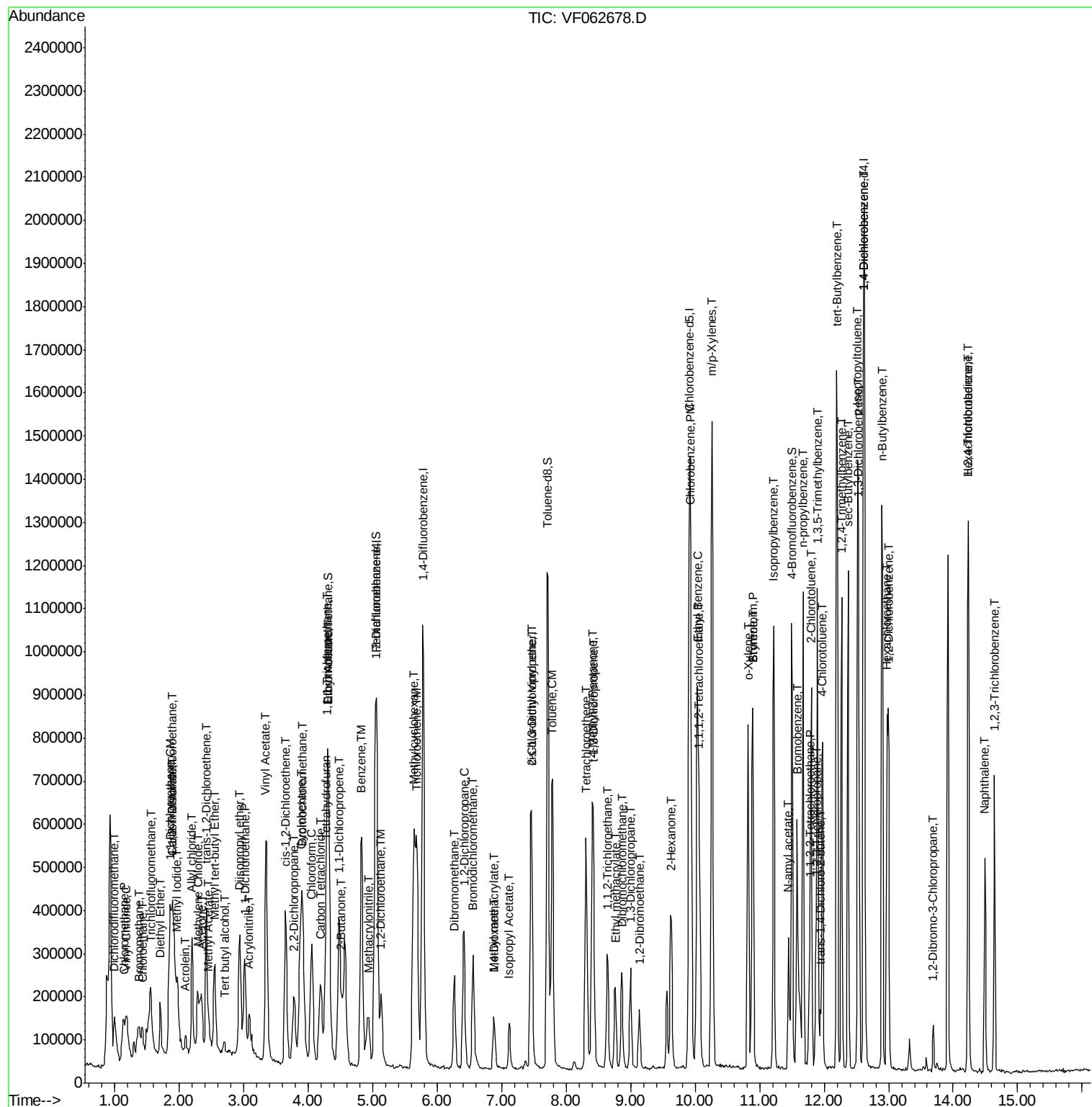
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	213065	22.666	ug/l	95
94) Hexachlorobutadiene	14.23	225	156666	23.881	ug/l	91
95) Naphthalene	14.49	128	342289	20.043	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	196571	22.076	ug/l	98

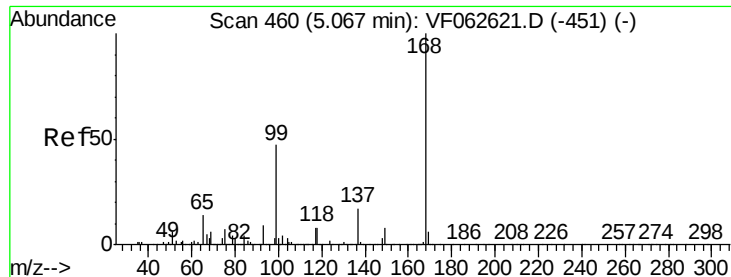
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052119\
Data File : VF062678.D
Acq On : 21 May 2019 12:39
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Sample : VF0521SBSD01
Misc : 5.00µ/5mL/MSVOA F/SOIL
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ClientSampleId :

Quant Time: May 22 03:54:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA_F

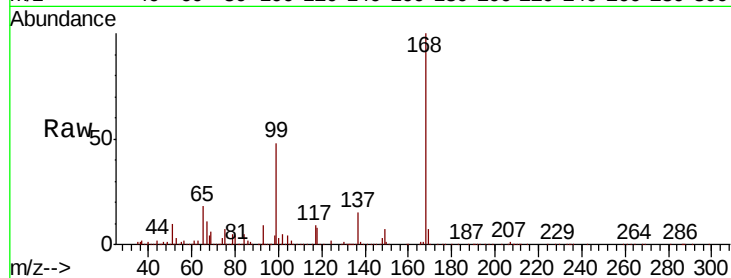
ClientSampleId :

Tot Ion:168 Resp: 805531

Ion Ratio Lower Upper

168 100

99 48.2 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

300000

250000

200000

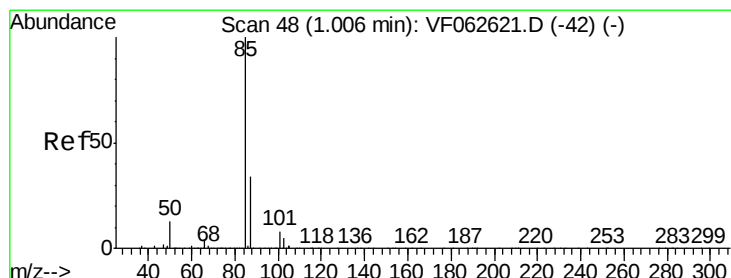
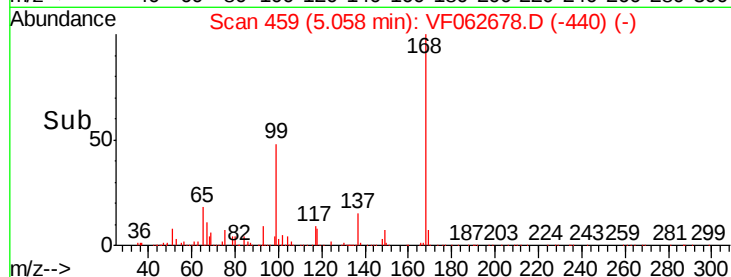
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.462 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062678.D

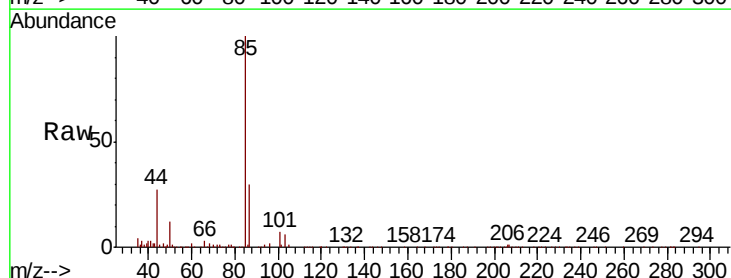
Acq: 21 May 2019 12:39

Tgt Ion: 85 Resp: 202380

Ion Ratio Lower Upper

85 100

87 29.7 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

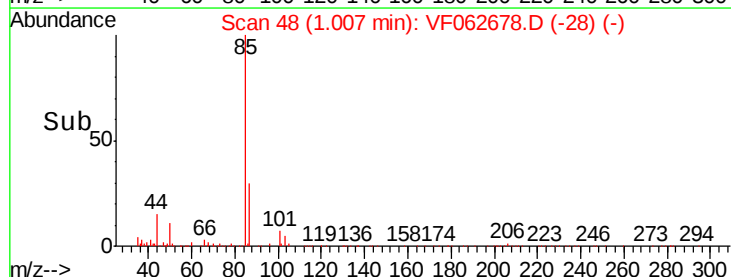
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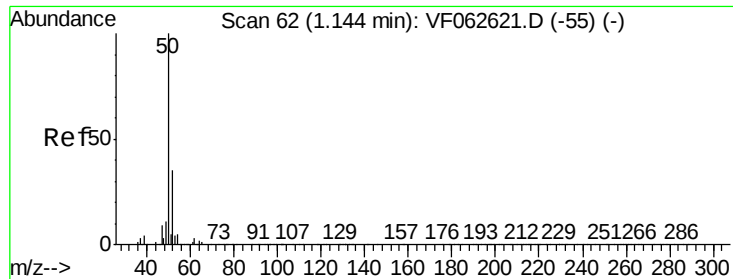
40000

20000

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Time-->

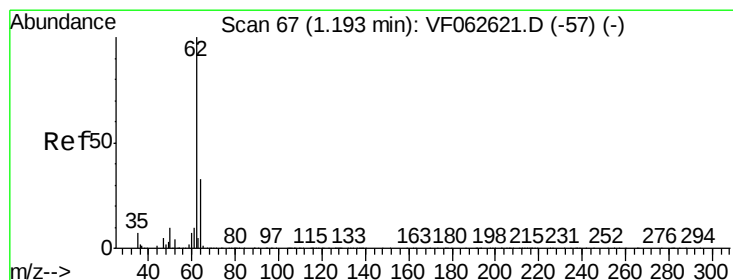
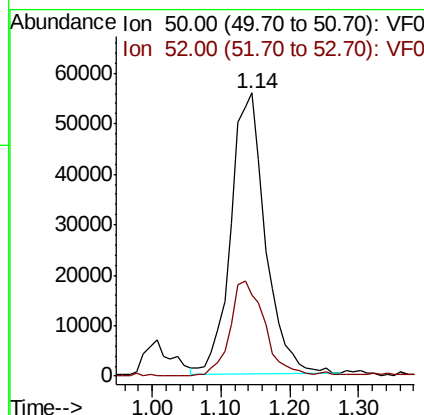
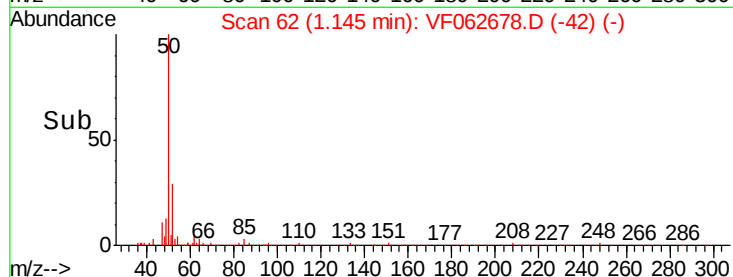
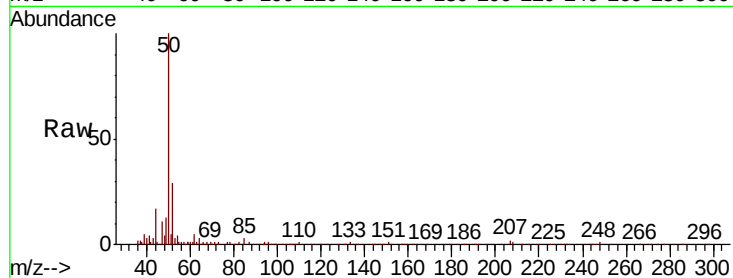




#3
Chloromethane
Concen: 19.108 ug/l
RT: 1.14 min Scan# 62
Delta R.T. 0.00 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

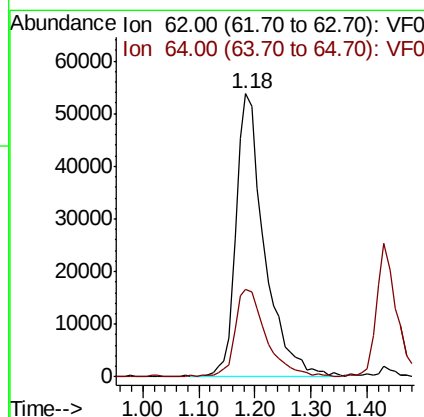
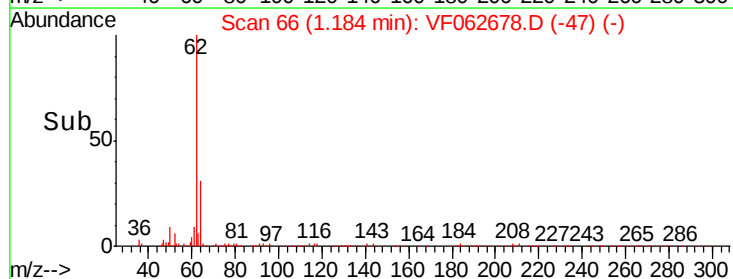
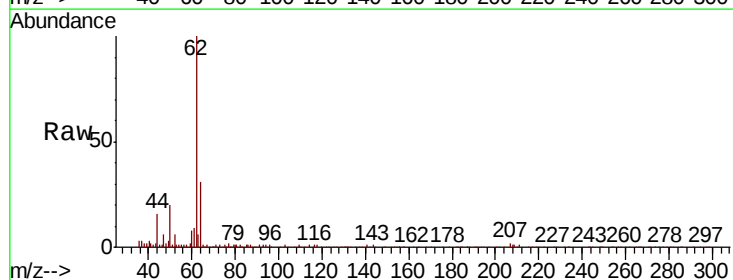
Instrument :
MSVOA_F
ClientSampleId :

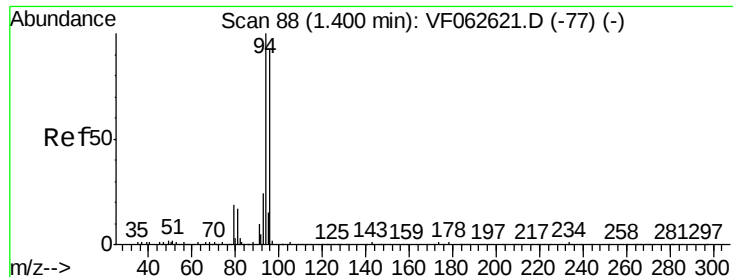
Tot Ion: 50 Resp: 192872
Ion Ratio Lower Upper
50 100
52 28.7 27.5 41.3



#4
Vinyl Chloride
Concen: 20.413 ug/l
RT: 1.18 min Scan# 66
Delta R.T. -0.01 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Tgt Ion: 62 Resp: 189660
Ion Ratio Lower Upper
62 100
64 30.7 26.7 40.1





#5

Bromomethane

Concen: 20.072 ug/l

RT: 1.37 min Scan# 85

Delta R.T. -0.03 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

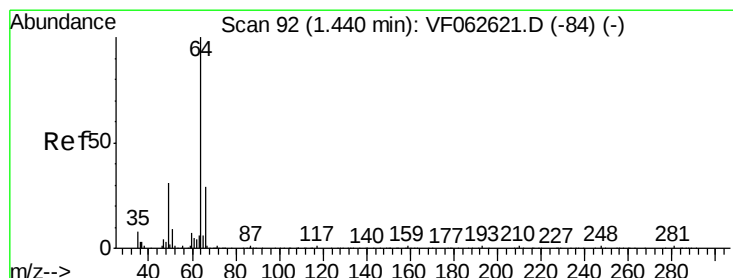
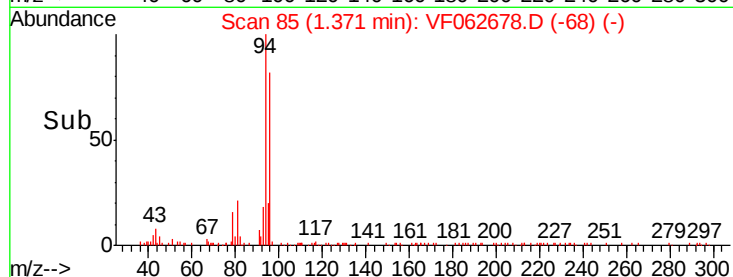
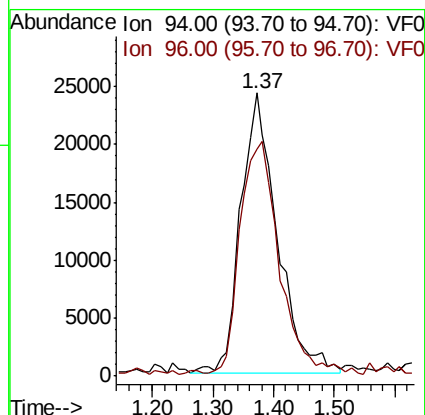
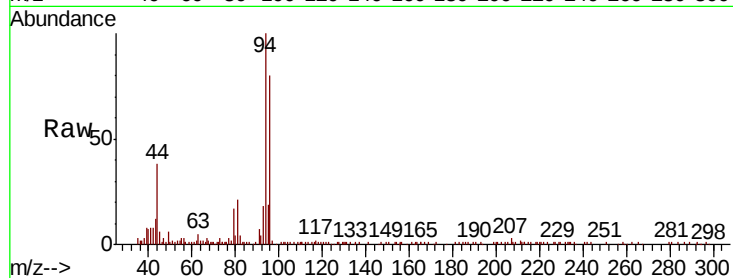
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 102022

Ion Ratio Lower Upper

94 100

96 80.4 73.2 109.8



#6

Chloroethane

Concen: 18.752 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF062678.D

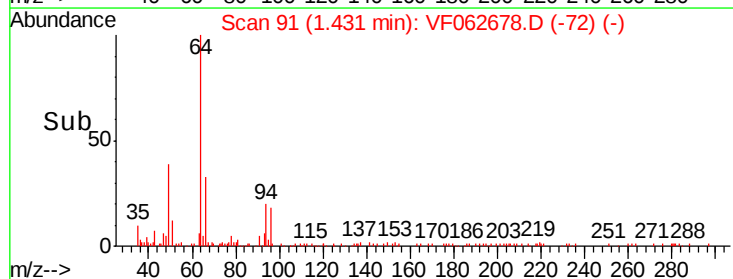
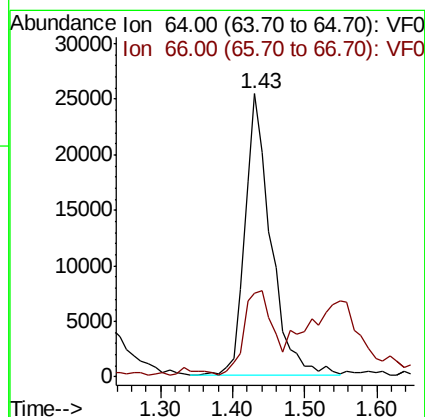
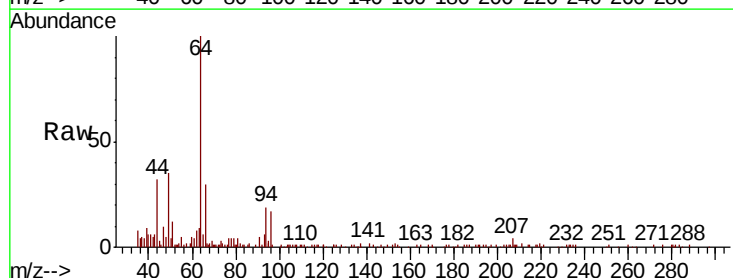
Acq: 21 May 2019 12:39

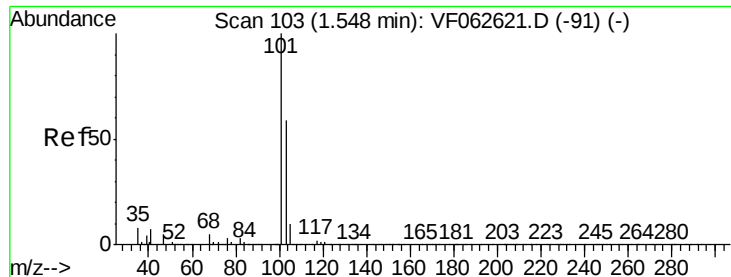
Tgt Ion: 64 Resp: 63987

Ion Ratio Lower Upper

64 100

66 29.8 23.4 35.2



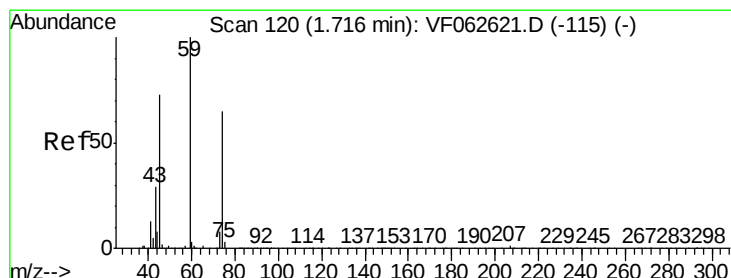
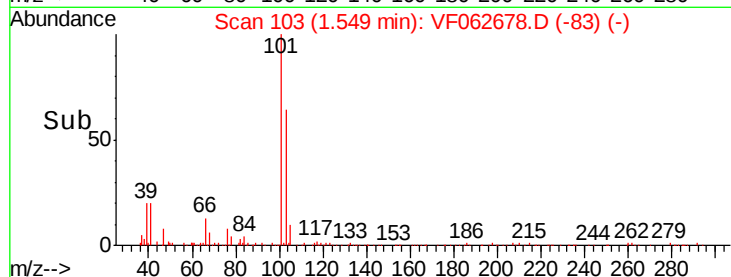
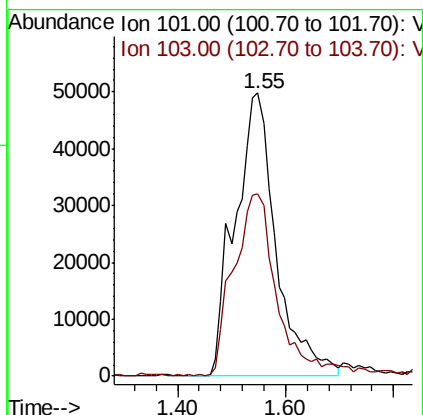
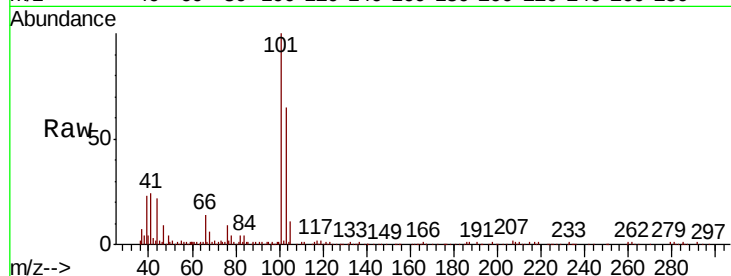


#7

Trichlorofluoromethane
Concen: 21.077 ug/l
RT: 1.55 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :

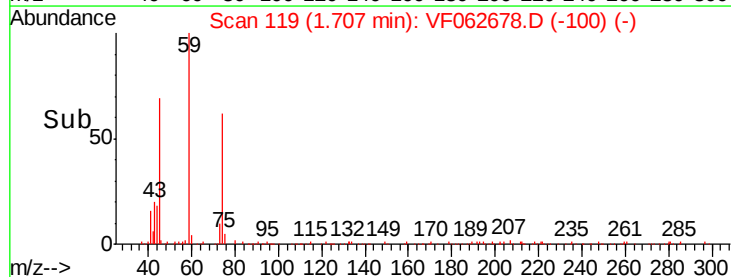
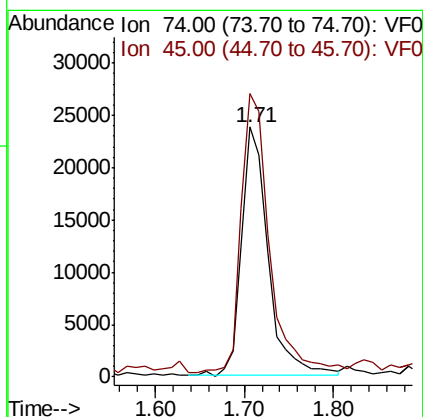
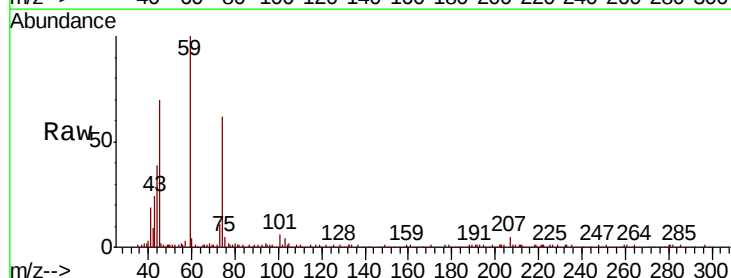
Tot Ion:101 Resp: 262949
Ion Ratio Lower Upper
101 100
103 64.6 47.3 70.9

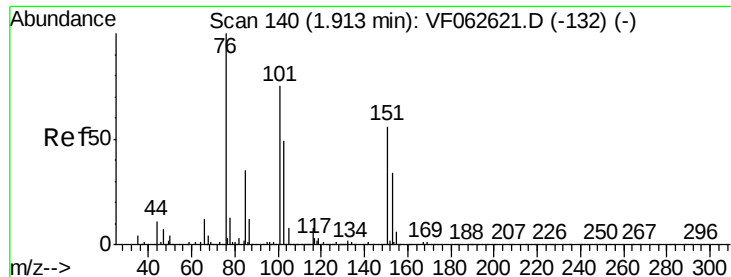


#8

Diethyl Ether
Concen: 19.888 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Tgt Ion: 74 Resp: 49152
Ion Ratio Lower Upper
74 100
45 113.3 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.441 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

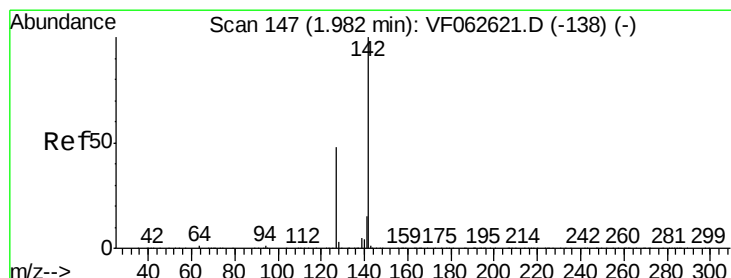
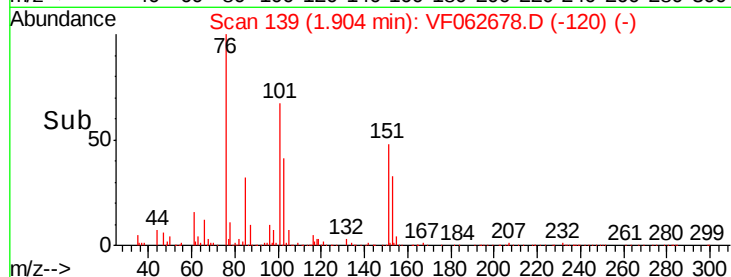
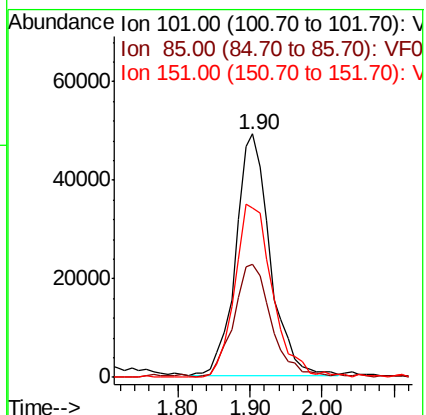
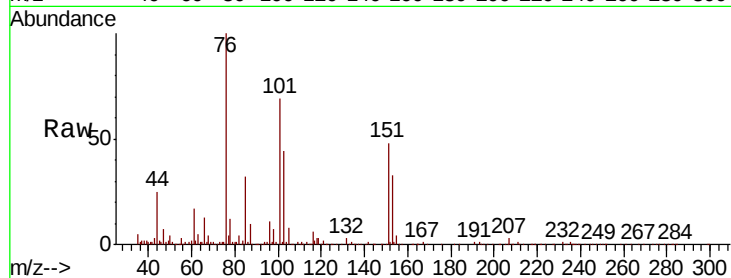
Tot Ion:101 Resp: 162379

Ion Ratio Lower Upper

101 100

85 46.4 37.1 55.7

151 69.7 58.8 88.2



#10

Methyl Iodide

Concen: 21.300 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

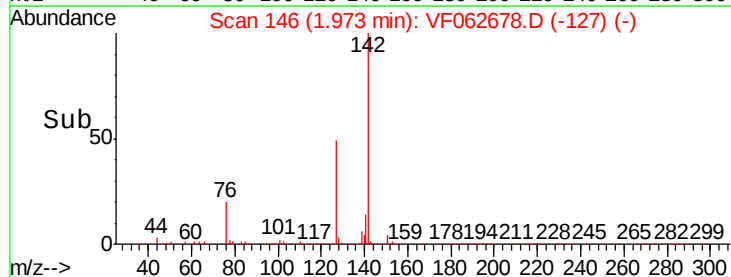
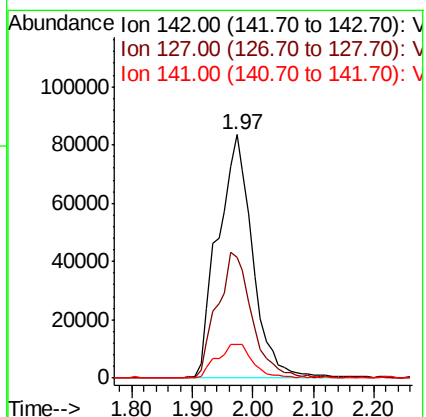
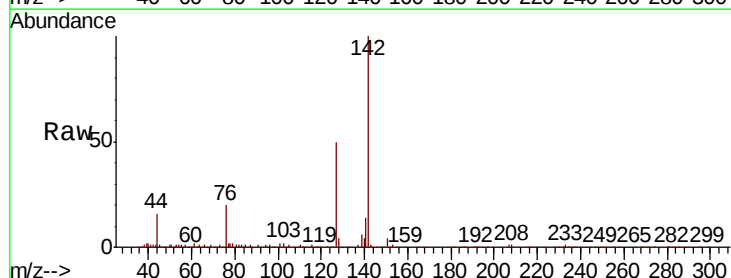
Tgt Ion:142 Resp: 332376

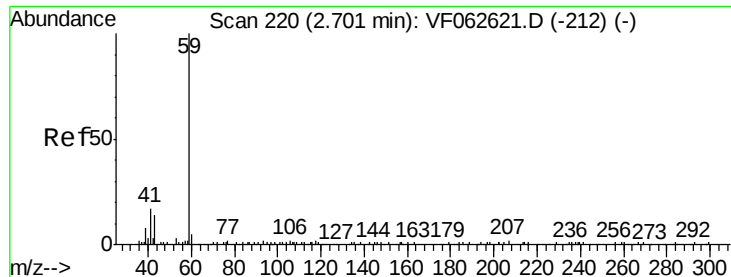
Ion Ratio Lower Upper

142 100

127 49.5 38.1 57.1

141 13.9 11.7 17.5



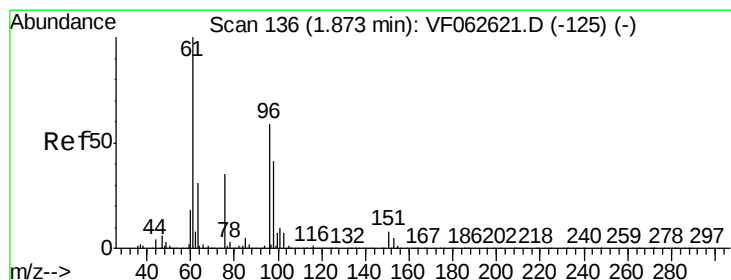
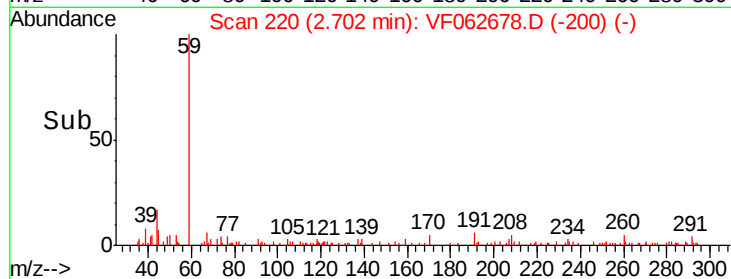
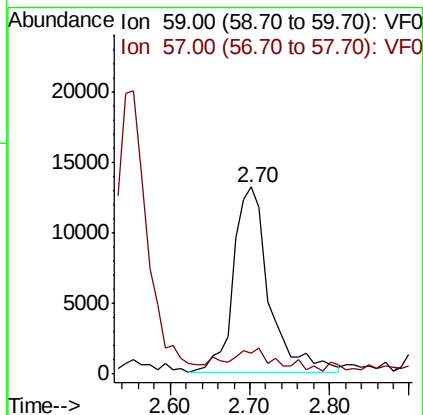
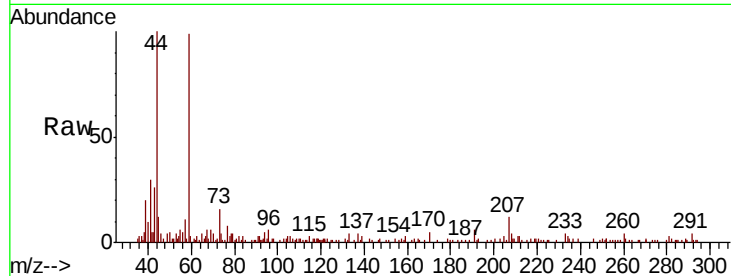


#11

Tert butyl alcohol
Concen: 108.143 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.00 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :

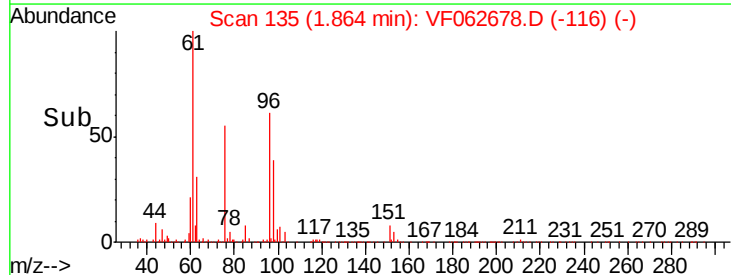
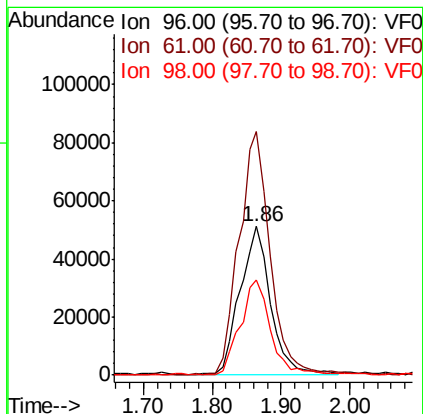
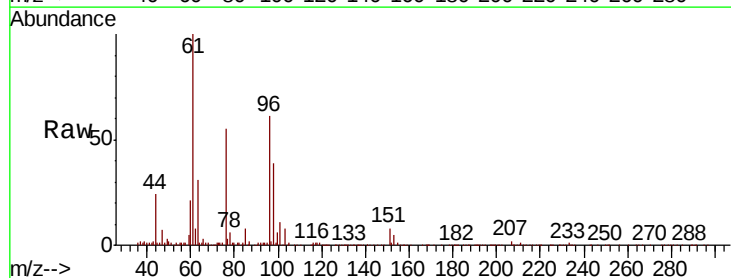
Tot Ion: 59 Resp: 40641
Ion Ratio Lower Upper
59 100
57 11.1 9.3 13.9

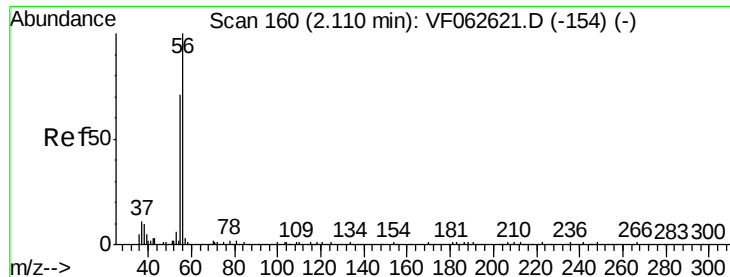


#12

1,1-Dichloroethene
Concen: 21.557 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Tgt Ion: 96 Resp: 155990
Ion Ratio Lower Upper
96 100
61 164.1 134.3 201.5
98 63.8 55.0 82.6





#13

Acrolein

Concen: 100.940 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

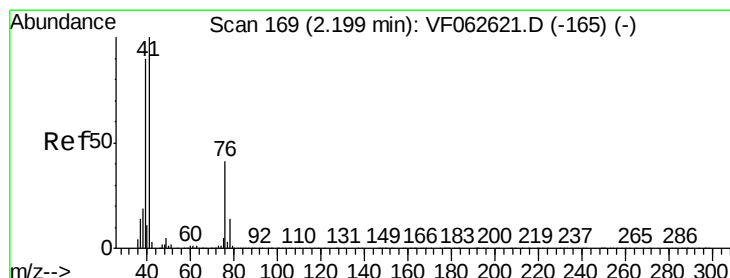
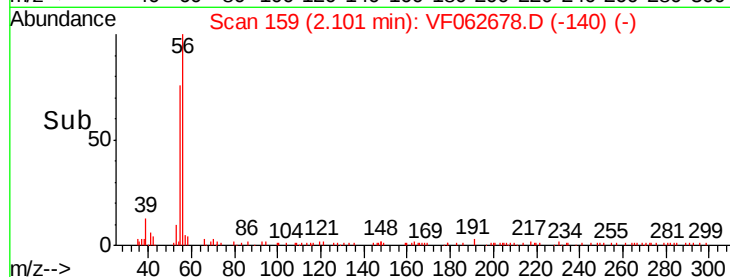
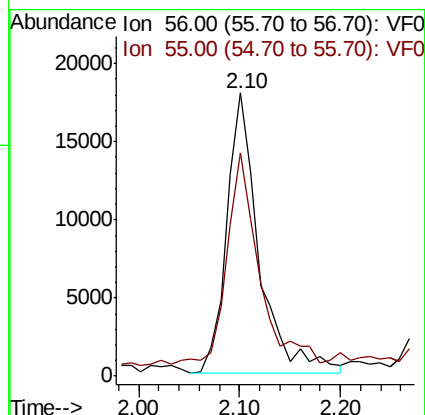
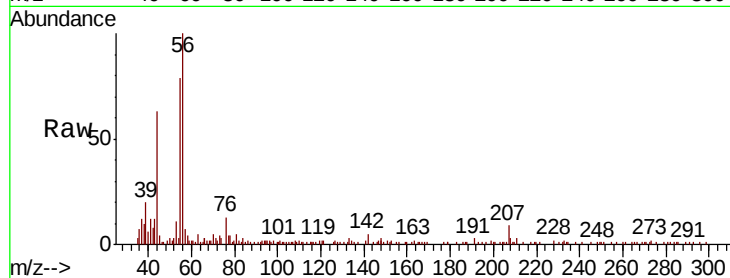
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 39598

Ion Ratio Lower Upper

56 100

55 79.0 59.4 89.0



#14

Allyl chloride

Concen: 27.229 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

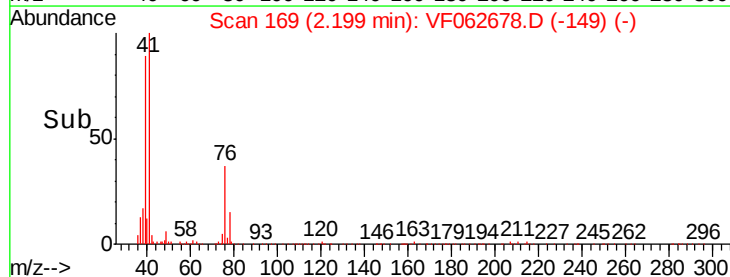
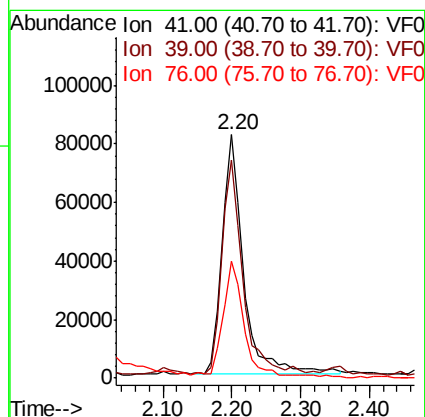
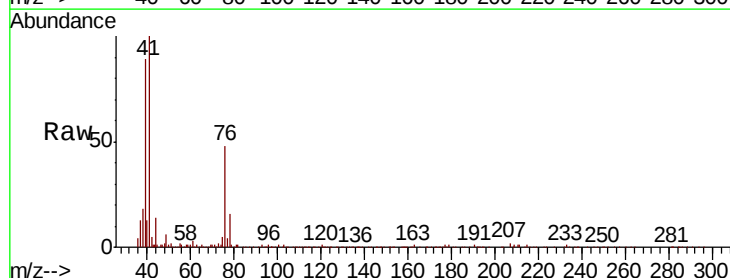
Tgt Ion: 41 Resp: 178327

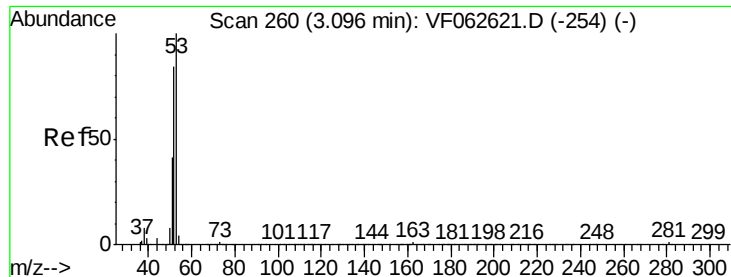
Ion Ratio Lower Upper

41 100

39 89.4 72.0 108.0

76 48.1 34.8 52.2





#15

Acrylonitrile

Concen: 103.218 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

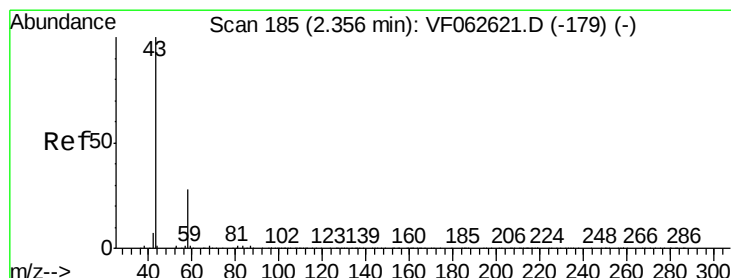
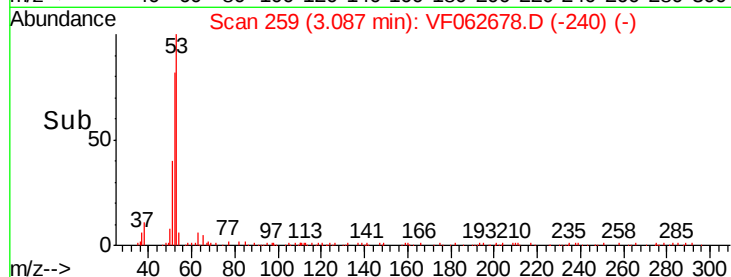
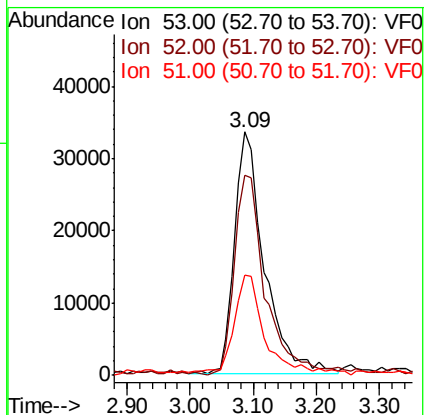
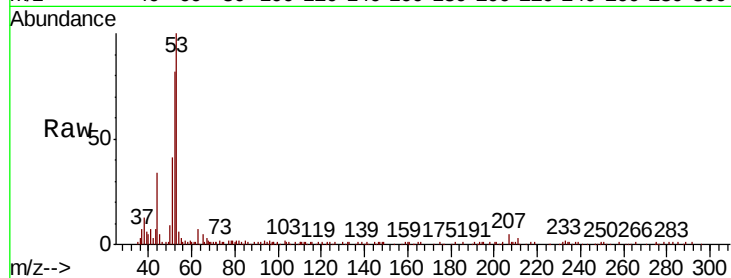
Tot Ion: 53 Resp: 109420

Ion Ratio Lower Upper

53 100

52 82.3 67.3 100.9

51 41.3 33.0 49.6



#16

Acetone

Concen: 86.261 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062678.D

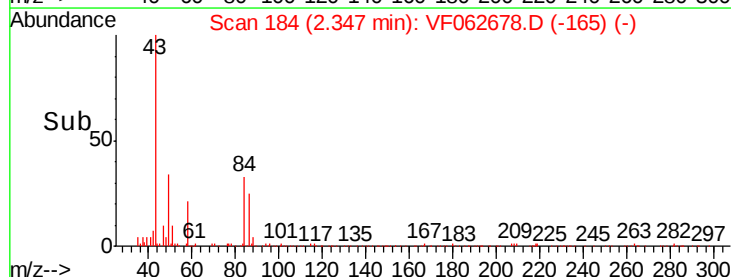
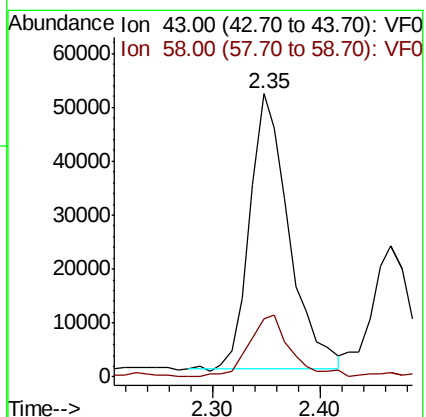
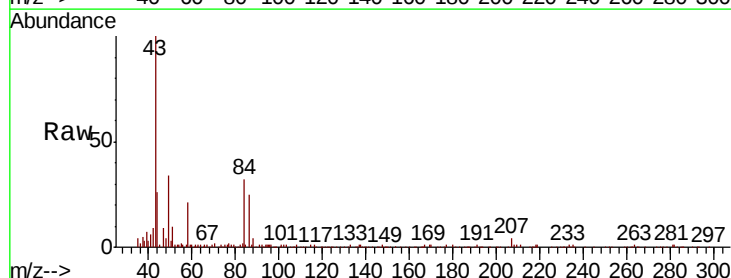
Acq: 21 May 2019 12:39

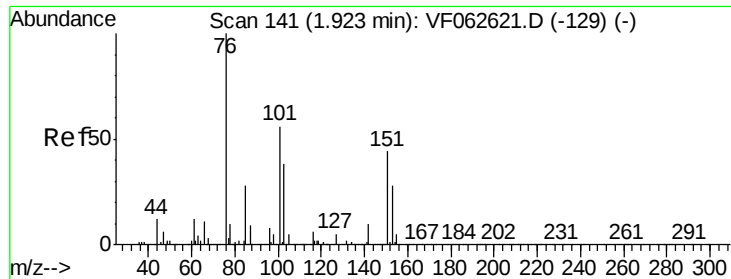
Tgt Ion: 43 Resp: 127387

Ion Ratio Lower Upper

43 100

58 20.6 22.6 33.8#

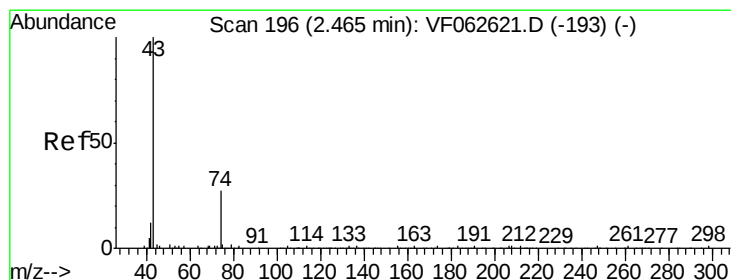
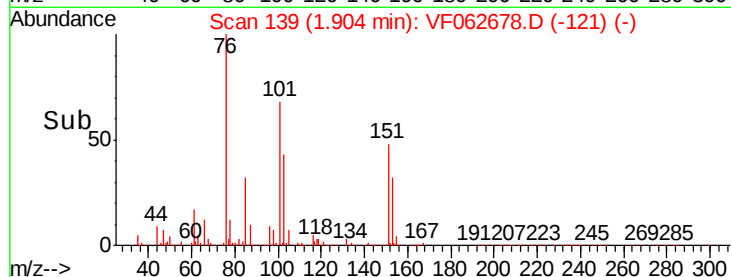
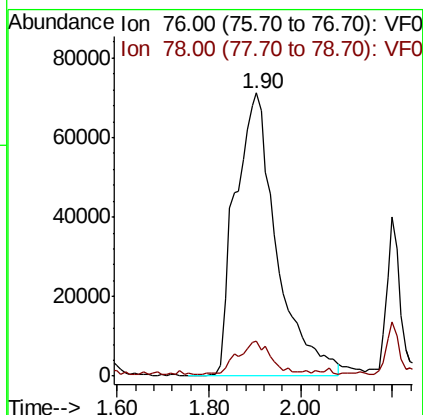
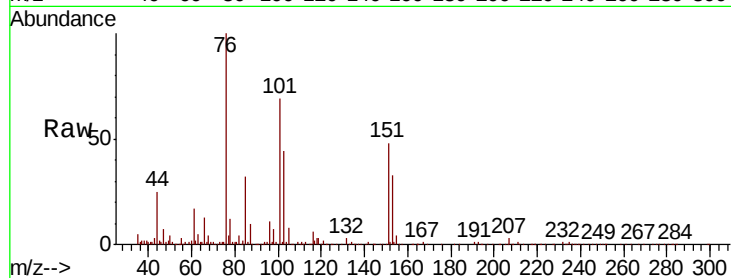




#17
Carbon Disulfide
Concen: 20.919 ug/l
RT: 1.90 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

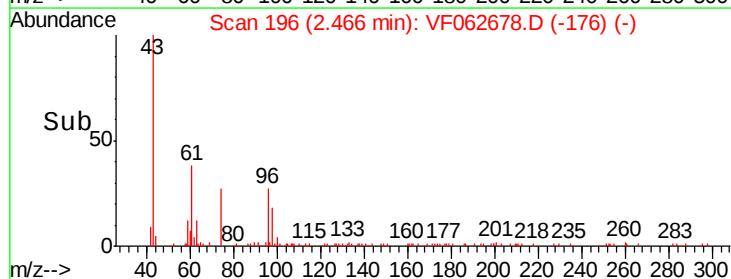
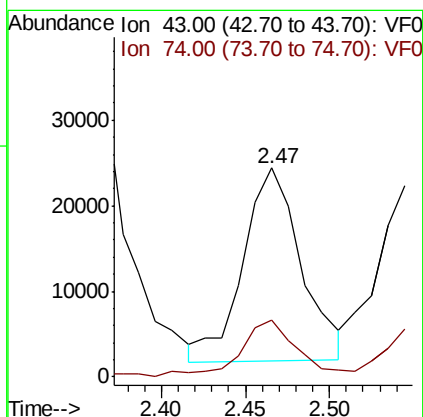
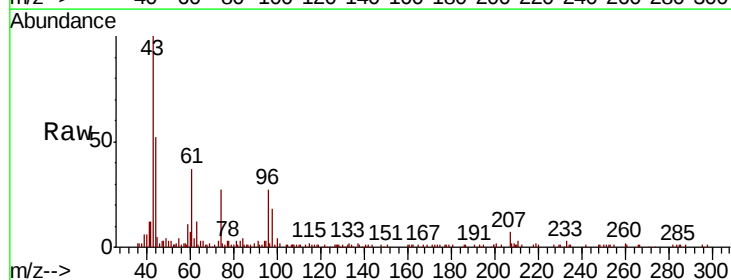
Instrument :
MSVOA_F
ClientSampleId :

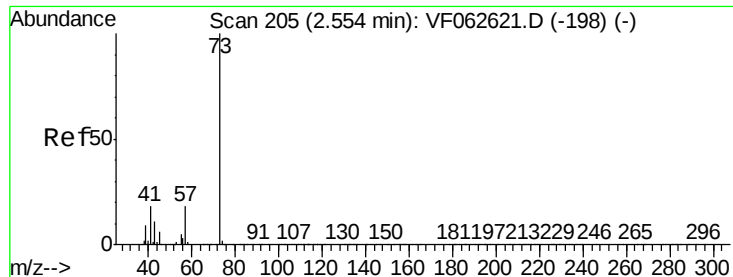
Tot Ion: 76 Resp: 448669
Ion Ratio Lower Upper
76 100
78 12.4 8.4 12.6



#18
Methyl Acetate
Concen: 23.339 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Tgt Ion: 43 Resp: 54161
Ion Ratio Lower Upper
43 100
74 27.3 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 22.366 ug/l

RT: 2.55 min Scan# 205

Delta R.T. 0.00 min

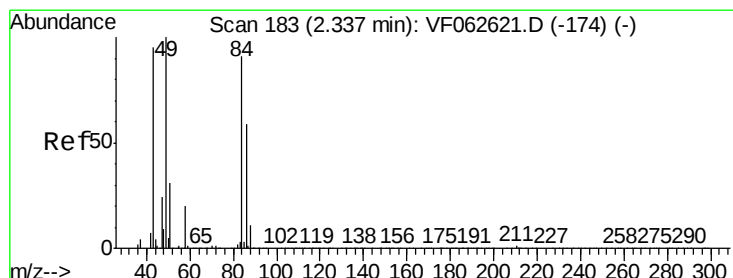
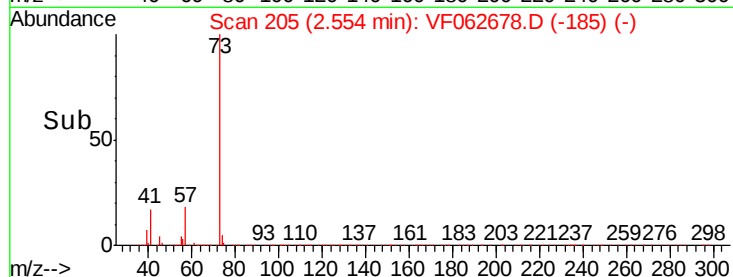
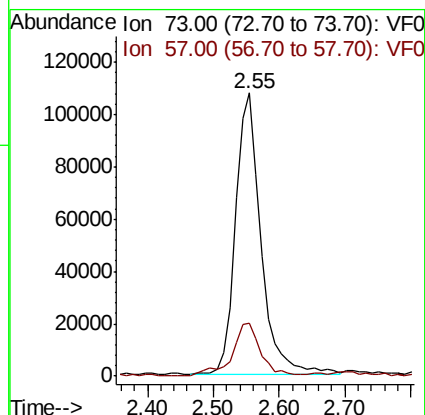
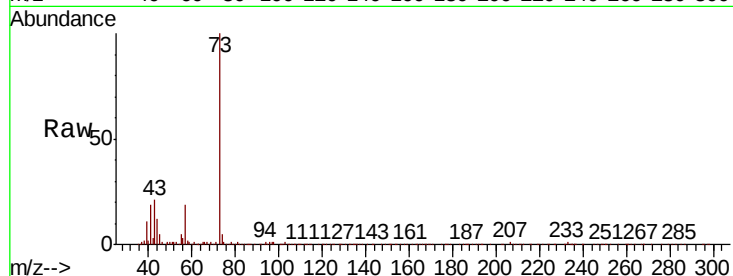
Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 73 Resp: 289325

Ion	Ratio	Lower	Upper
73	100		
57	18.6	14.2	21.4



#20

Methylene Chloride

Concen: 21.307 ug/l

RT: 2.29 min Scan# 178

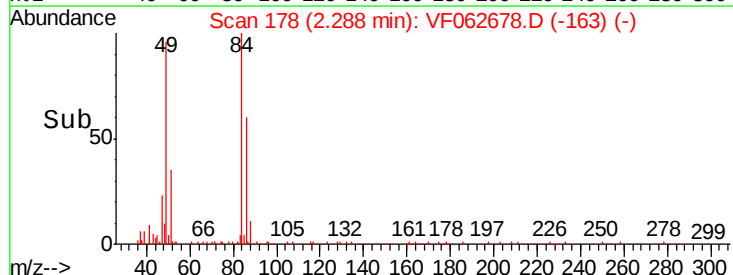
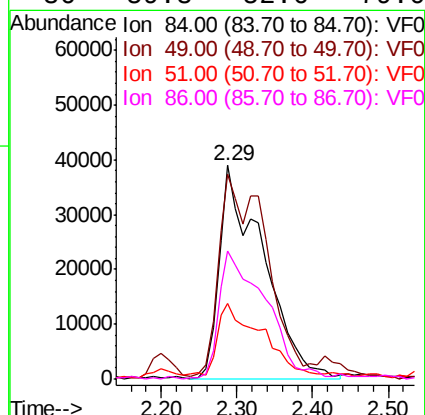
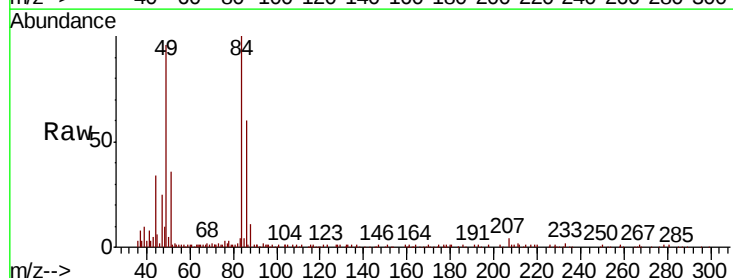
Delta R.T. -0.05 min

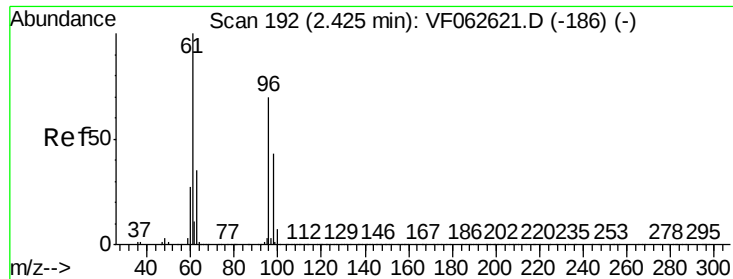
Lab File: VF062678.D

Acq: 21 May 2019 12:39

Tgt Ion: 84 Resp: 157720

Ion	Ratio	Lower	Upper
84	100		
49	95.7	89.8	134.8
51	35.6	28.4	42.6
86	59.8	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 22.846 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :

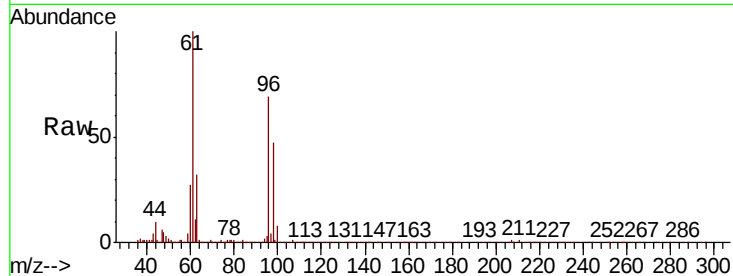
Tot Ion: 96 Resp: 161585

Ion Ratio Lower Upper

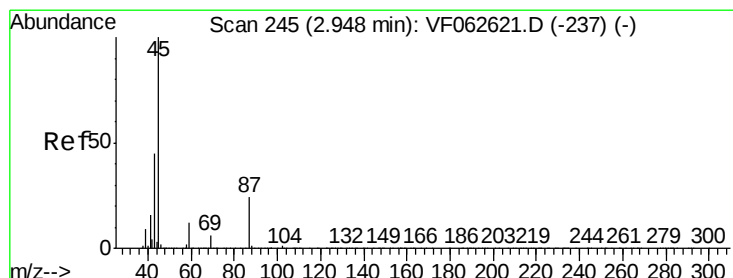
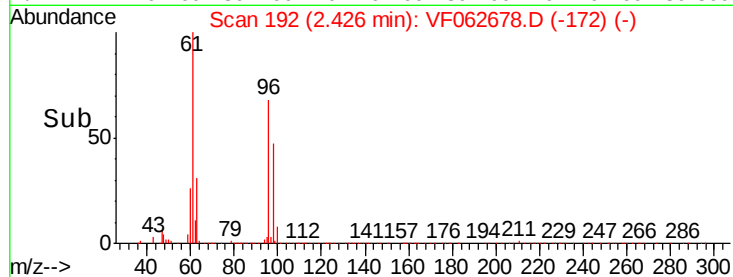
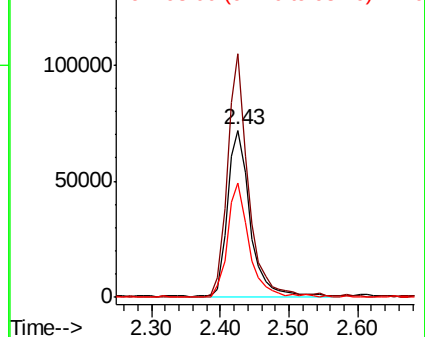
96 100

61 145.4 114.6 171.8

98 68.5 49.5 74.3



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



#22

Diisopropyl ether

Concen: 21.447 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Tgt Ion: 45 Resp: 346438

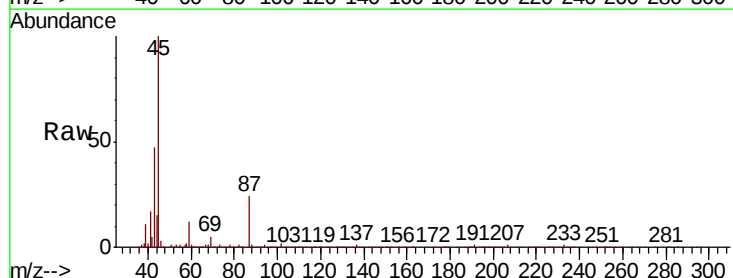
Ion Ratio Lower Upper

45 100

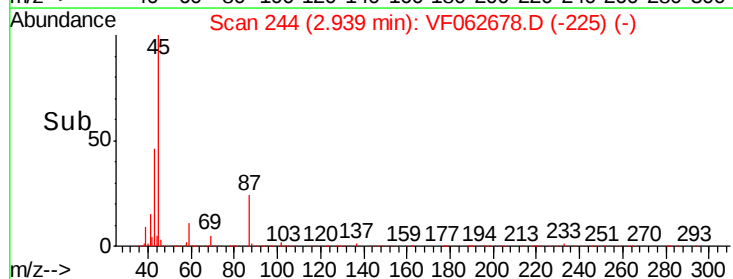
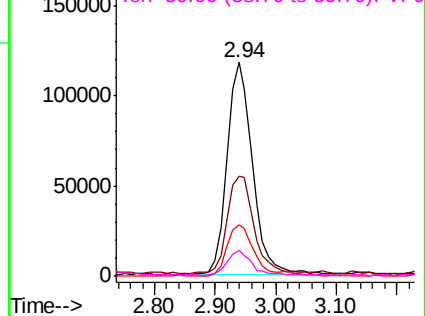
43 47.0 36.4 54.6

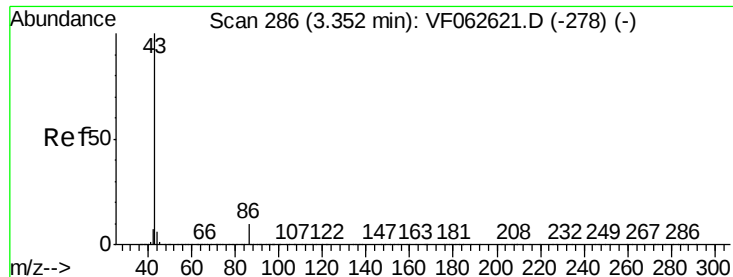
87 24.0 19.3 28.9

59 12.3 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 106.034 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

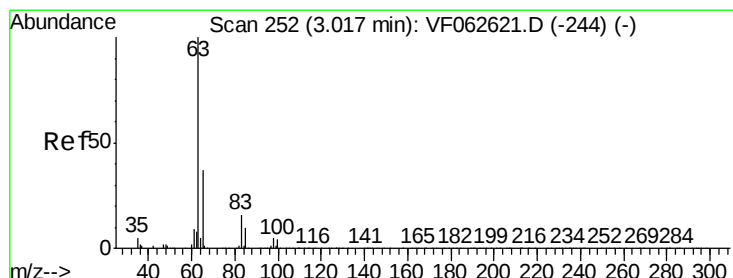
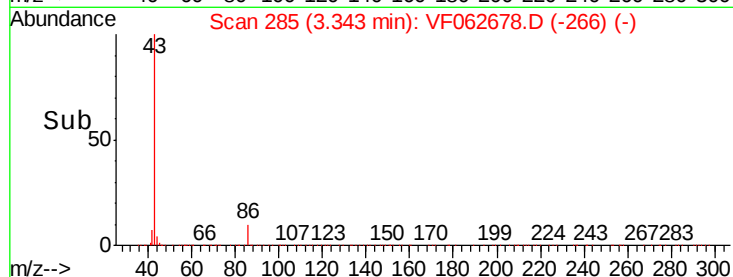
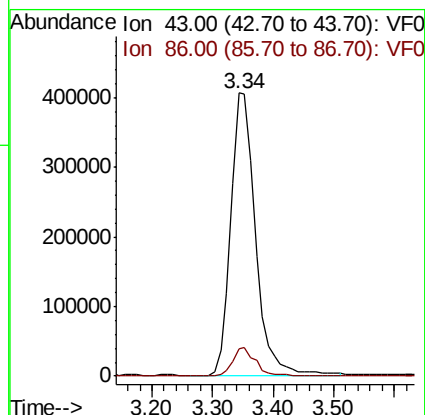
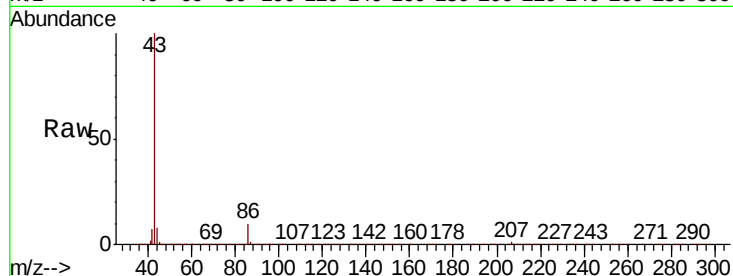
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1155383

Ion Ratio Lower Upper

43 100

86 9.7 8.2 12.2



#24

1,1-Dichloroethane

Concen: 21.417 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

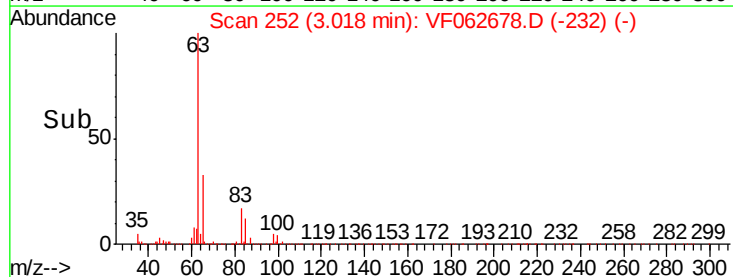
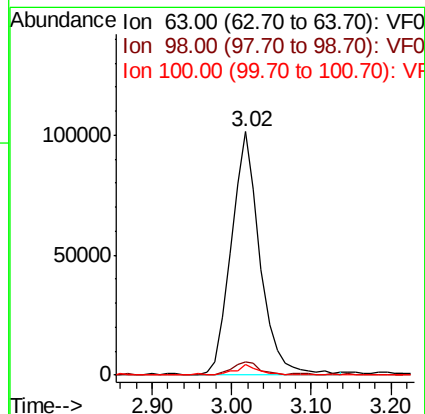
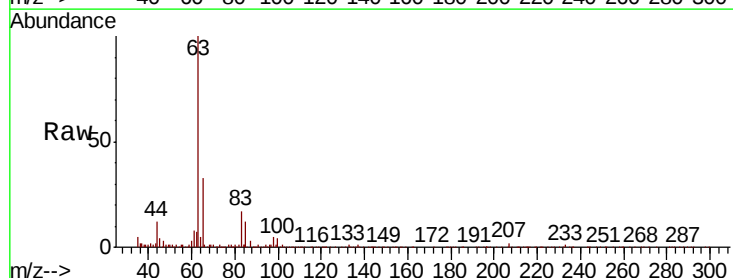
Tgt Ion: 63 Resp: 253788

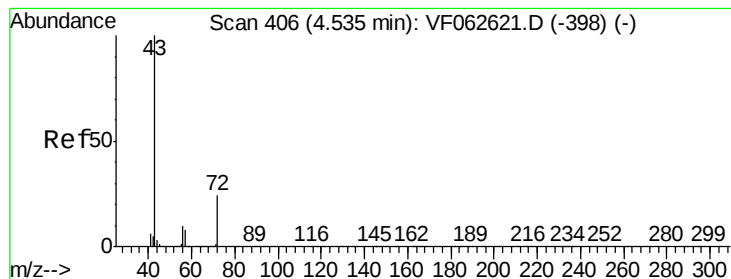
Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.3

100 4.3 1.9 5.7





#25

2-Butanone

Concen: 100.685 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA_F

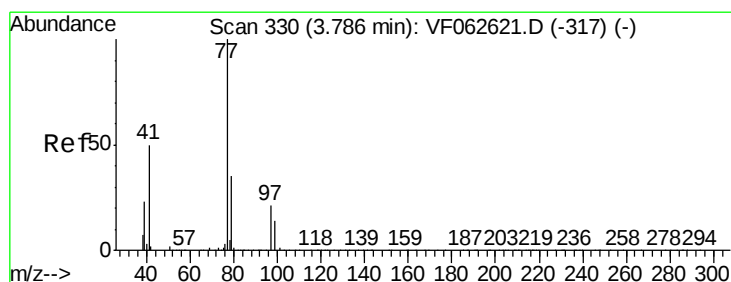
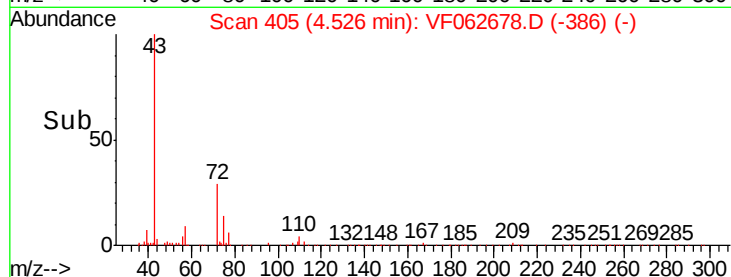
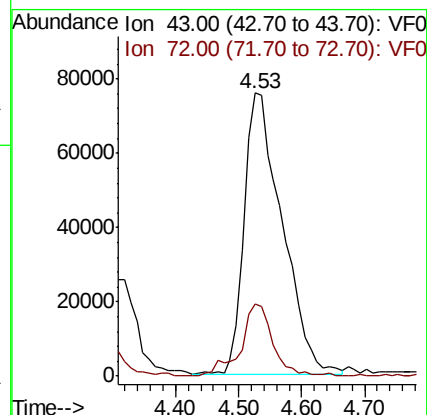
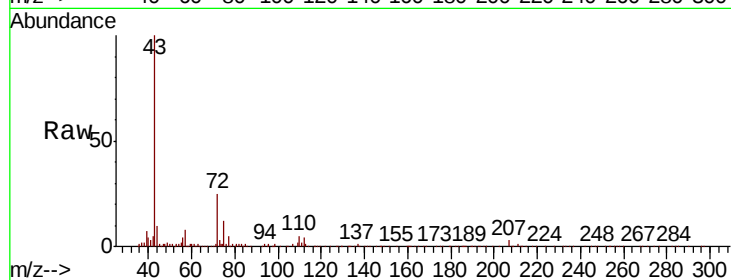
ClientSampleId :

Tot Ion: 43 Resp: 317669

Ion Ratio Lower Upper

43 100

72 25.5 20.1 30.1



#26

2,2-Dichloropropane

Concen: 26.644 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF062678.D

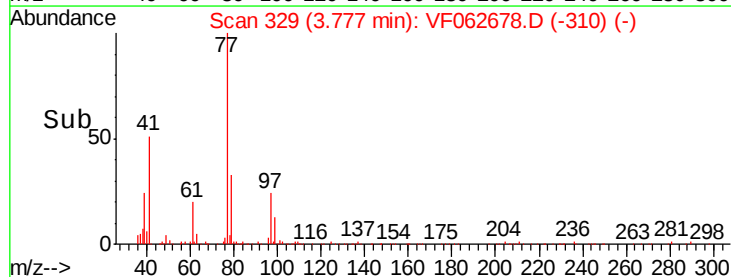
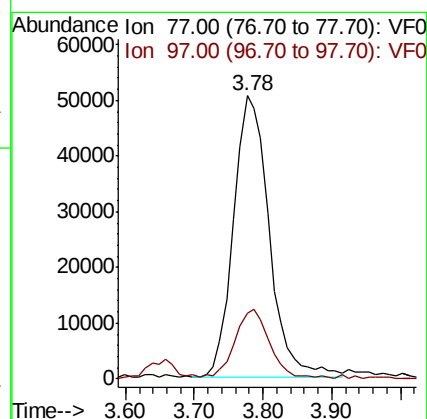
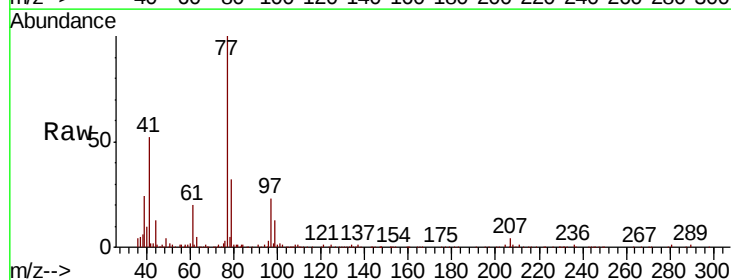
Acq: 21 May 2019 12:39

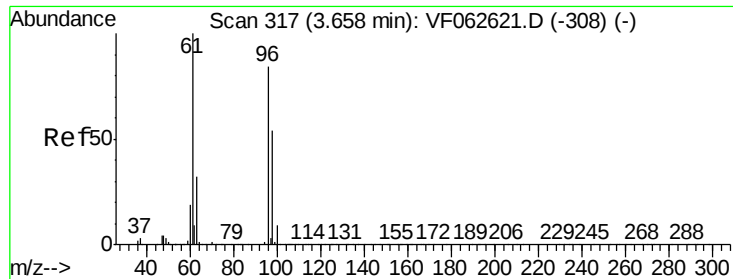
Tgt Ion: 77 Resp: 180648

Ion Ratio Lower Upper

77 100

97 23.4 14.1 42.4



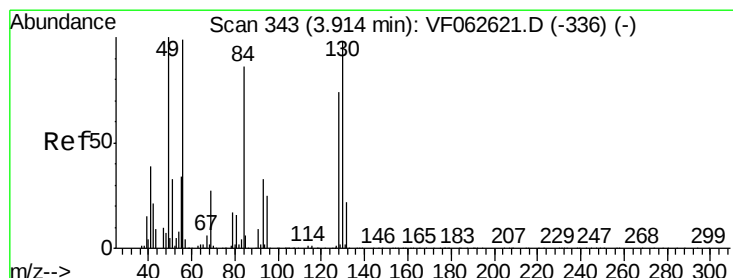
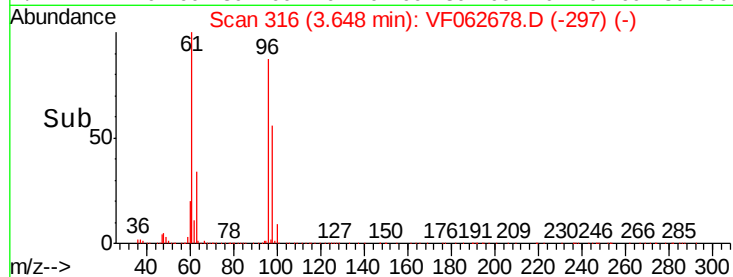
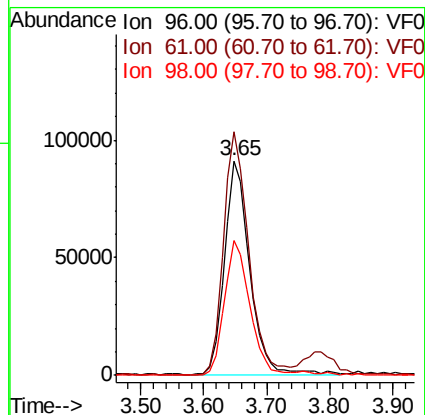
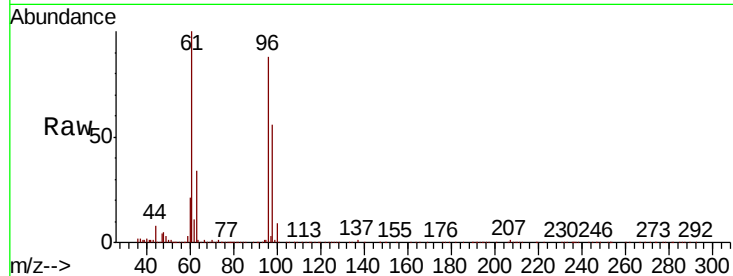


#27

cis-1,2-Dichloroethene
Concen: 21.598 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.01 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :

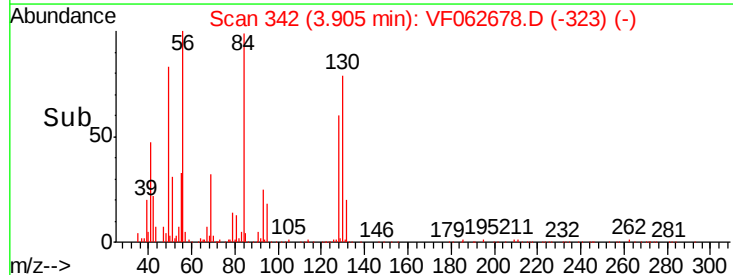
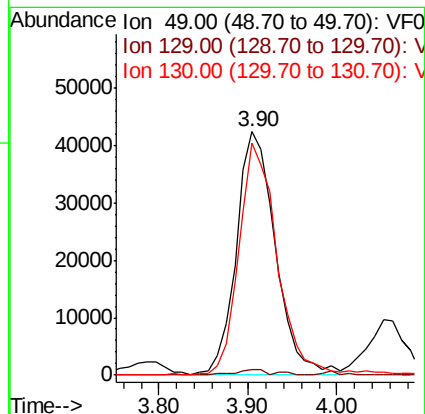
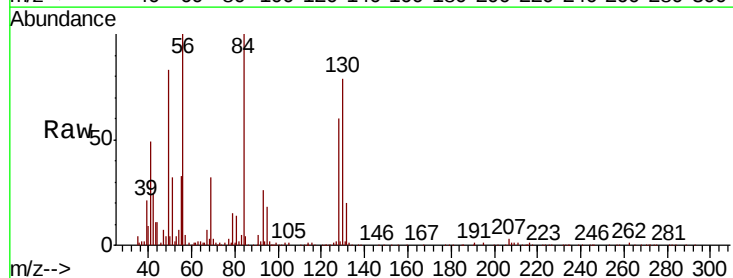
Tot Ion	Ratio	Lower	Upper
96	100		
61	113.5	0.0	237.4
98	63.0	0.0	129.0

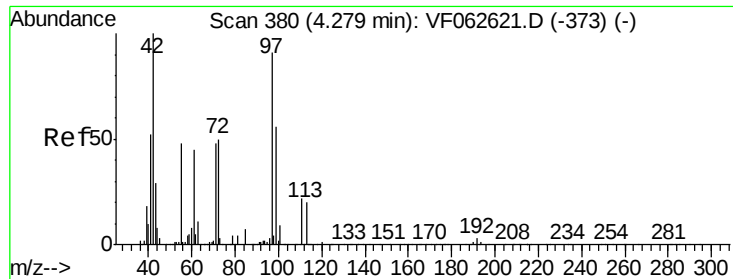


#28

Bromochloromethane
Concen: 19.342 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.01 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	95.1	77.8	116.8

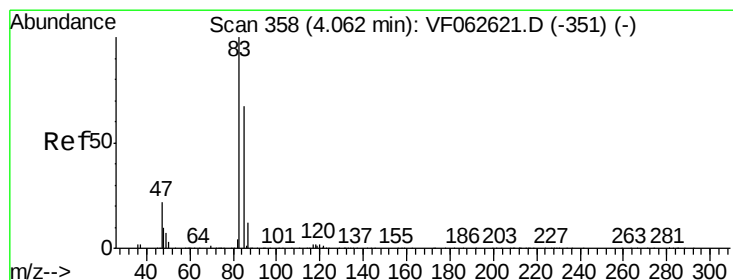
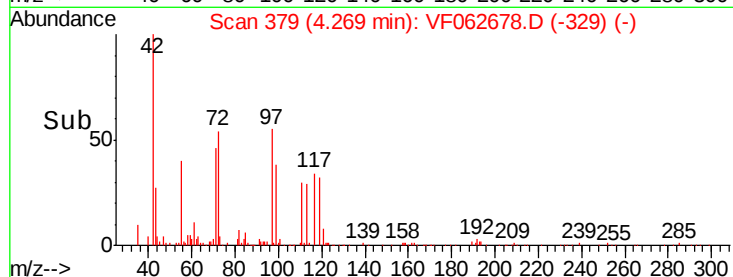
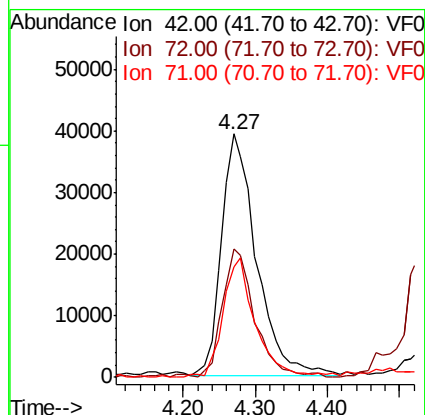
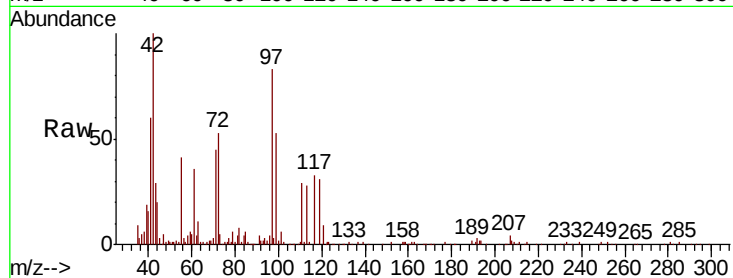




#29
Tetrahydrofuran
Concen: 102.850 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

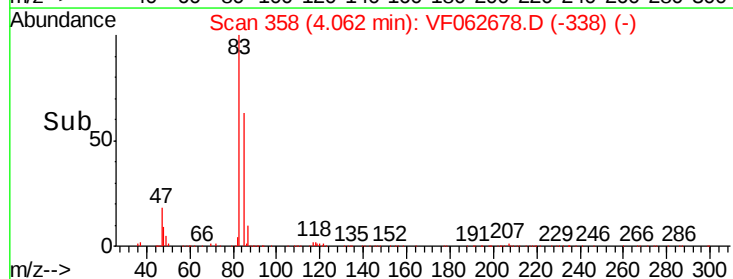
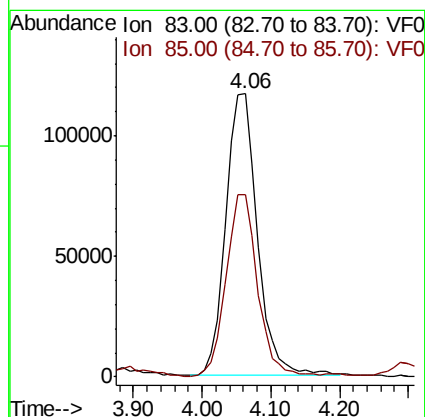
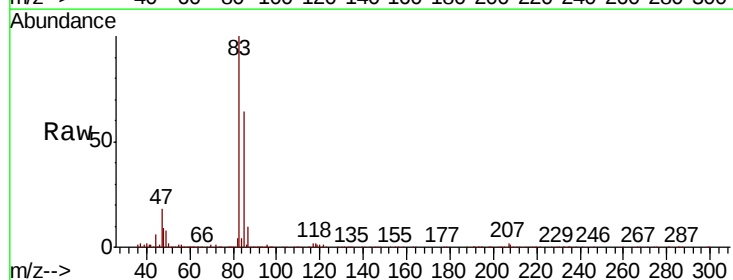
Instrument :
MSVOA_F
ClientSampleId :

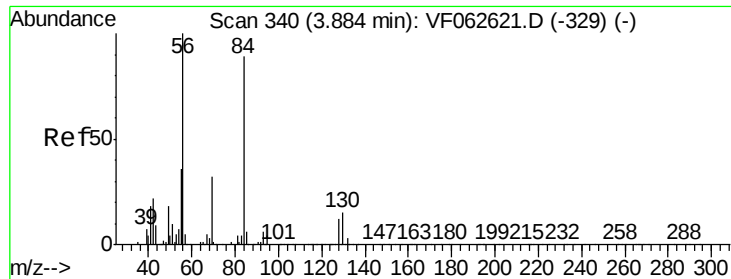
Tot Ion	Ratio	Lower	Upper
42	100		
72	48.8	38.2	57.2
71	45.3	35.8	53.6



#30
Chloroform
Concen: 22.648 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.6	80.4

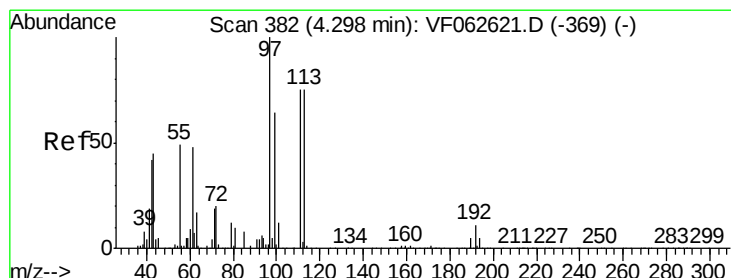
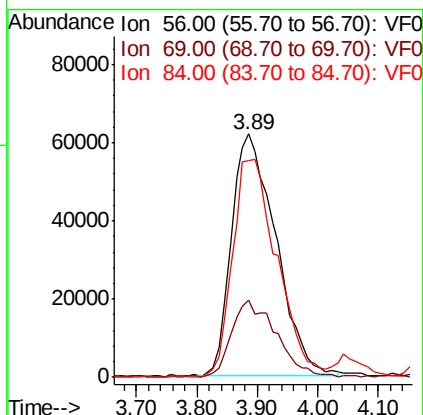
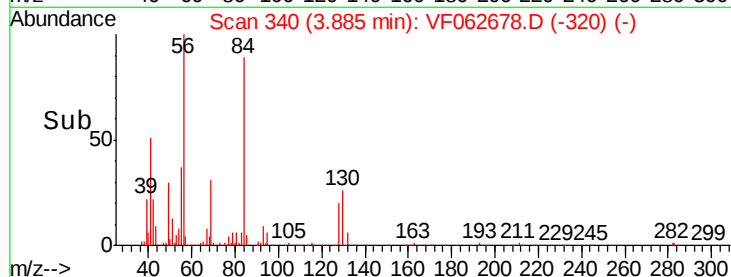
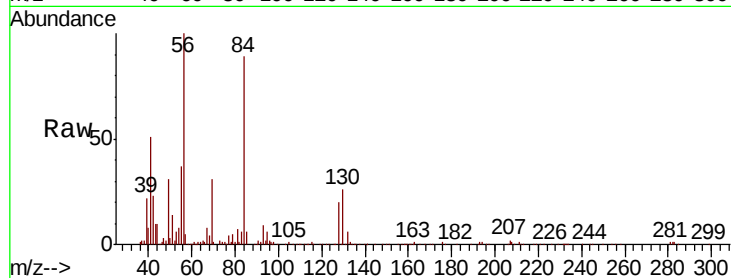




#31
Cyclohexane
Concen: 19.931 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

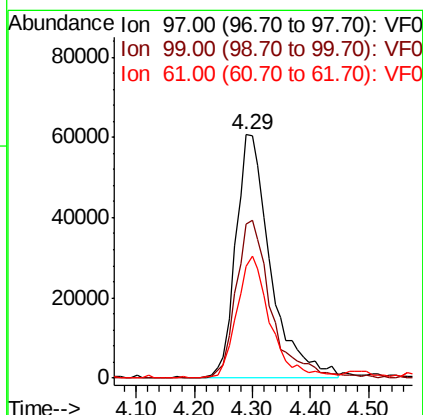
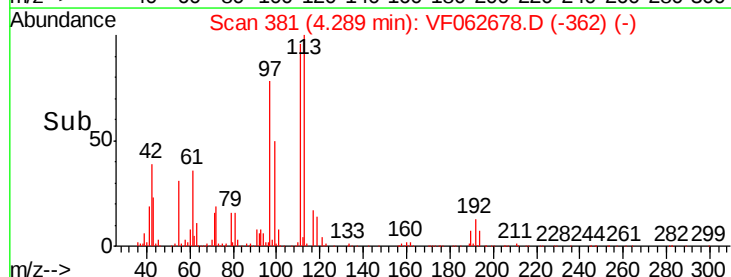
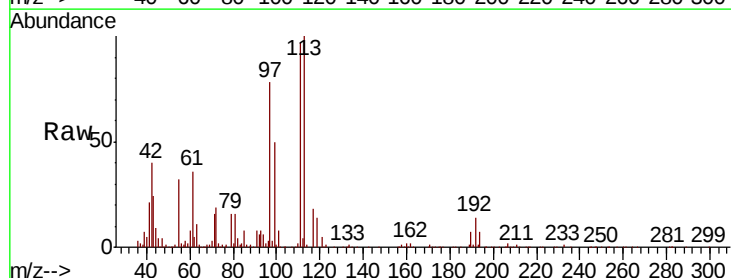
Instrument :
MSVOA_F
ClientSampleId :

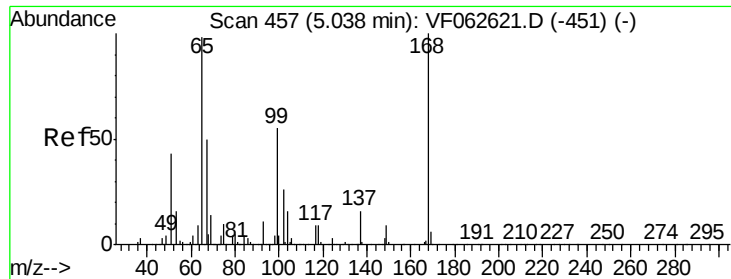
Tot Ion: 56 Resp: 317122
Ion Ratio Lower Upper
56 100
69 31.5 25.3 37.9
84 88.8 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 23.116 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Tgt Ion: 97 Resp: 252578
Ion Ratio Lower Upper
97 100
99 63.2 51.3 76.9
61 46.0 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 46.059 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

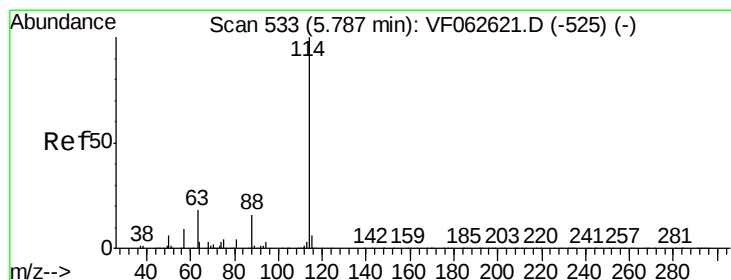
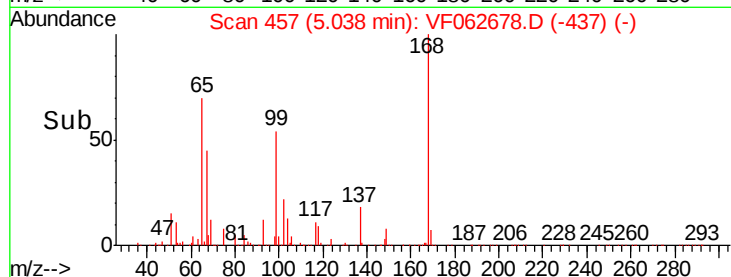
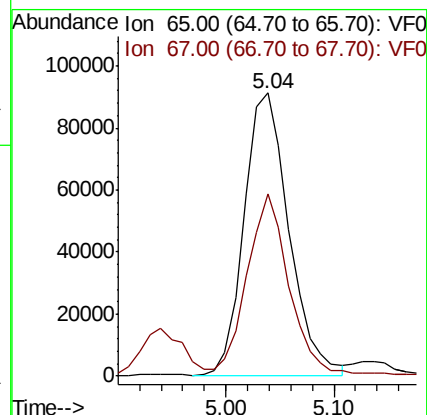
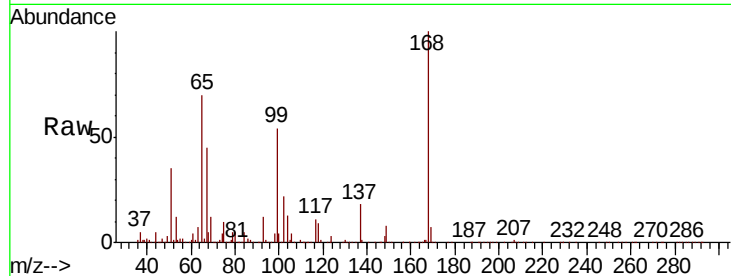
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 262179

Ion Ratio Lower Upper

65 100

67 64.5 0.0 117.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

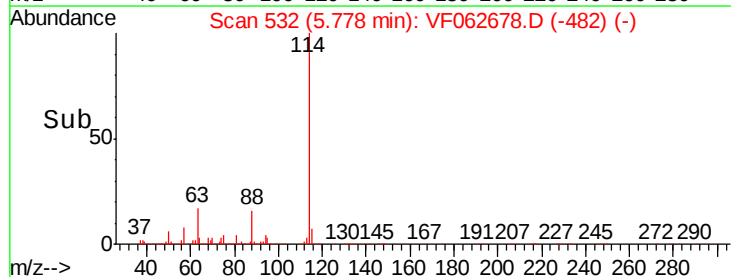
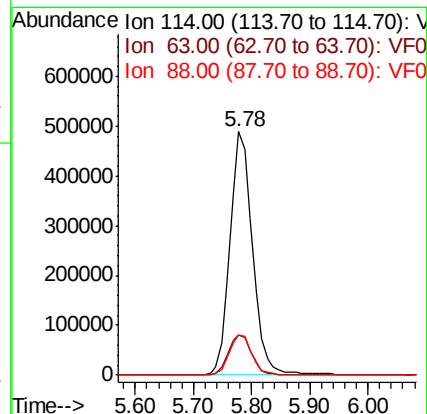
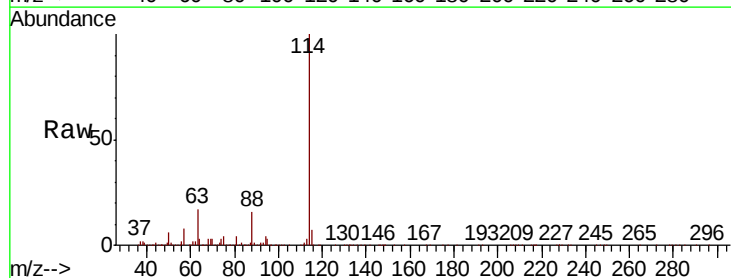
Tgt Ion: 114 Resp: 1320363

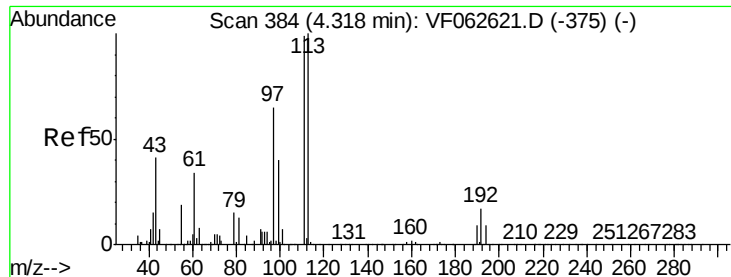
Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.4

88 16.3 0.0 32.4

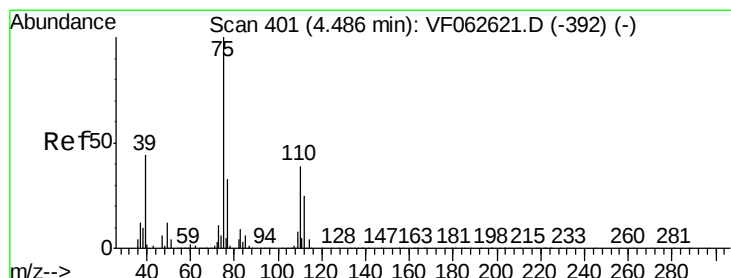
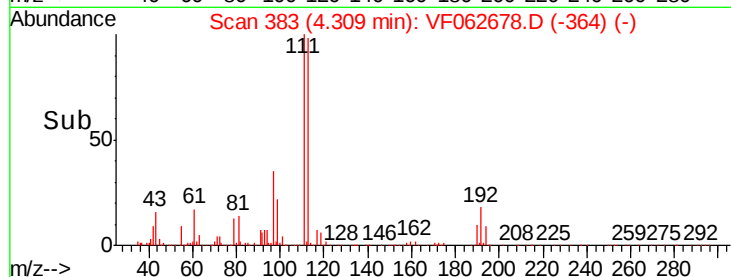
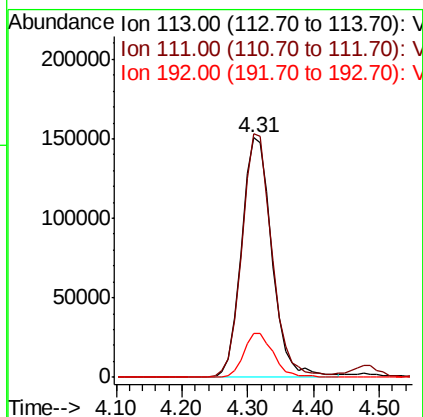
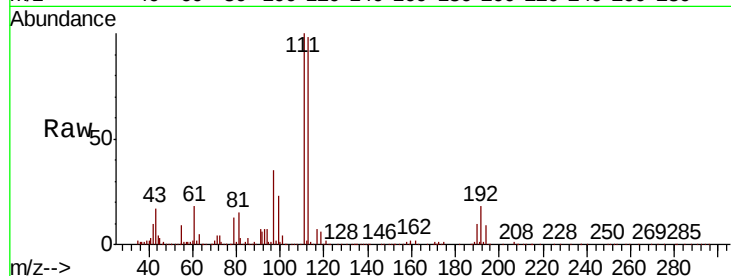




#35
 Dibromofluoromethane
 Concen: 48.454 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VF062678.D
 Acq: 21 May 2019 12:39

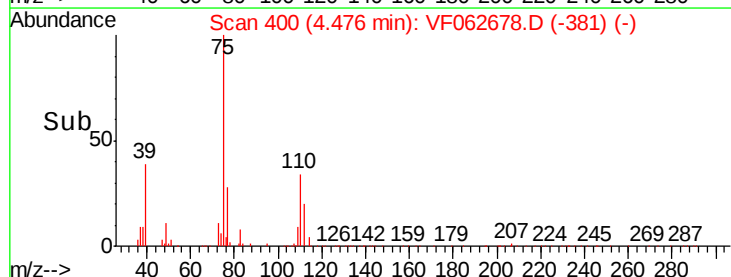
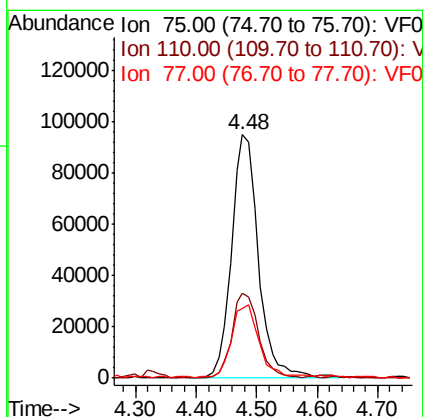
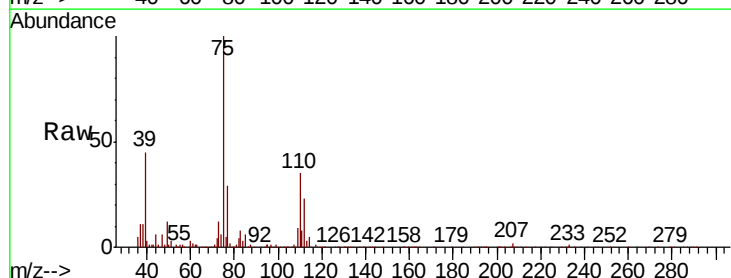
Instrument :
 MSVOA_F
 ClientSampleId :

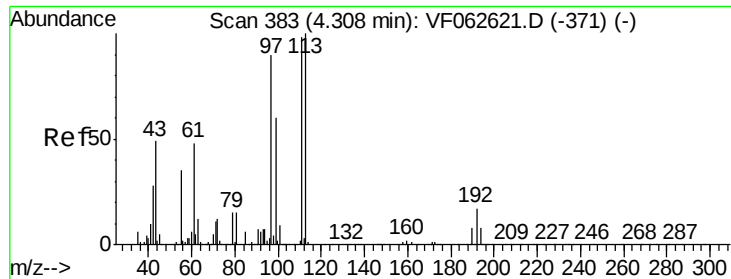
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	79.4	119.2
192	18.3	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 21.734 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VF062678.D
 Acq: 21 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	19.7	59.1
77	28.5	26.3	39.5

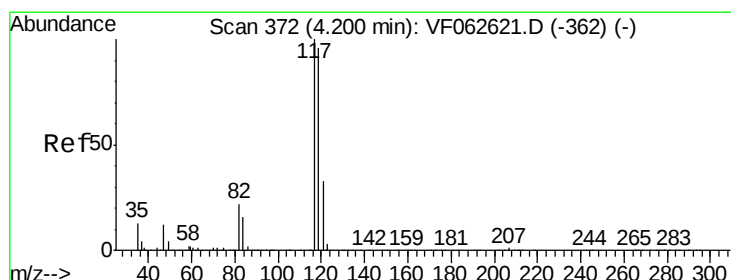
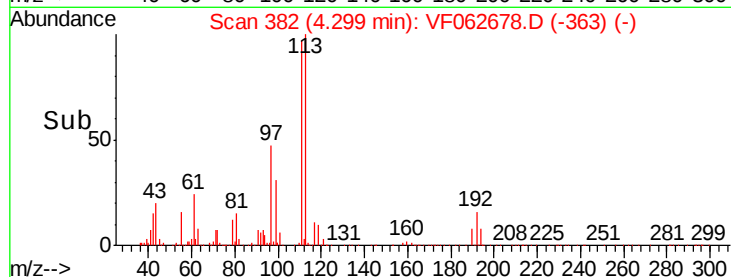
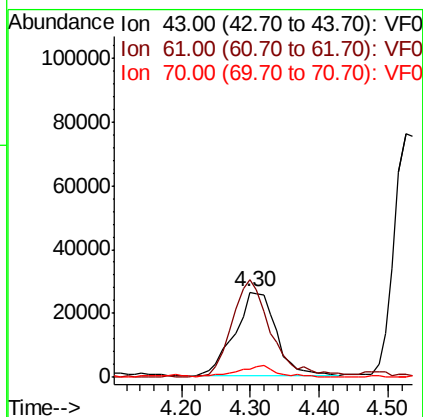
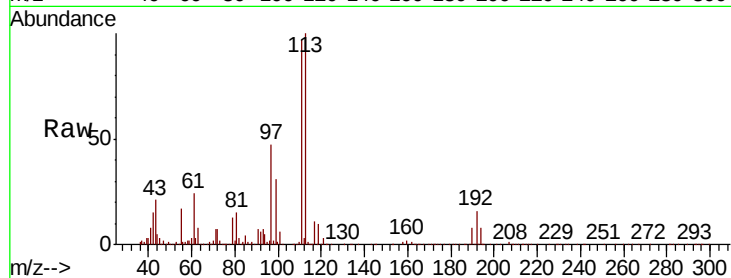




#37
Ethyl Acetate
Concen: 20.119 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

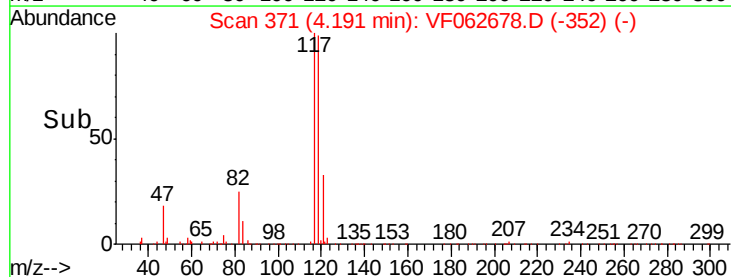
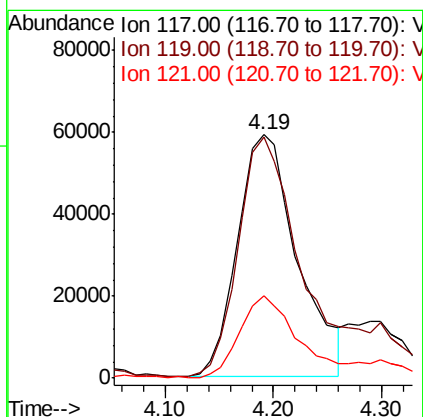
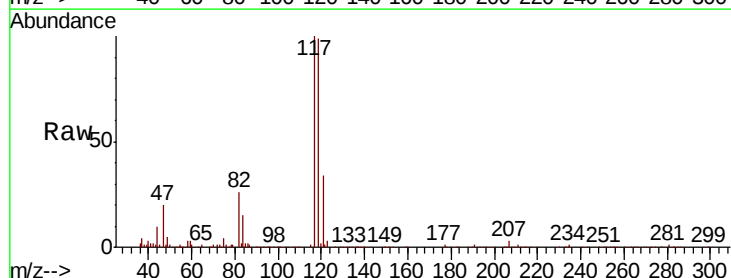
Instrument :
MSVOA_F
ClientSampleId :

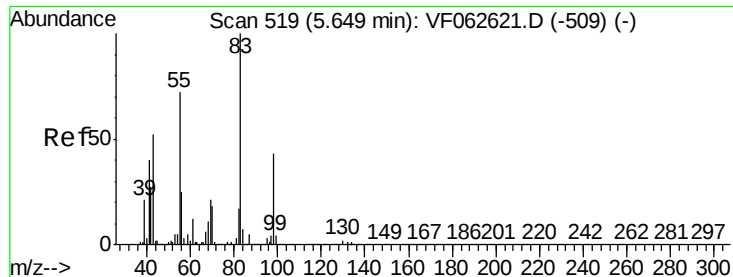
Tot Ion: 43 Resp: 111142
Ion Ratio Lower Upper
43 100
61 114.9 76.9 115.3
70 10.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 22.504 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Tgt Ion: 117 Resp: 228989
Ion Ratio Lower Upper
117 100
119 98.9 76.7 115.1
121 33.6 26.6 40.0

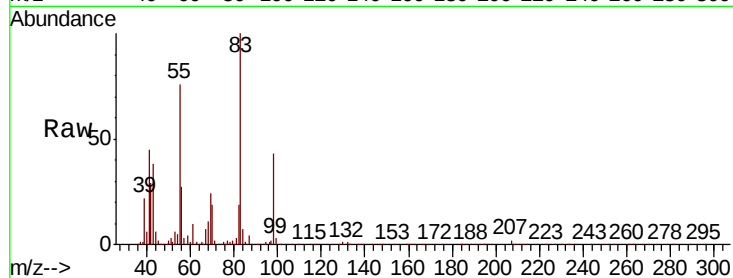




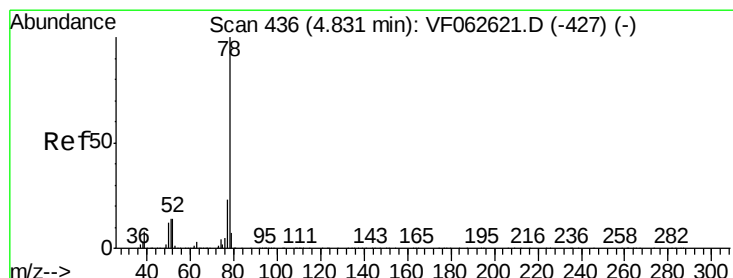
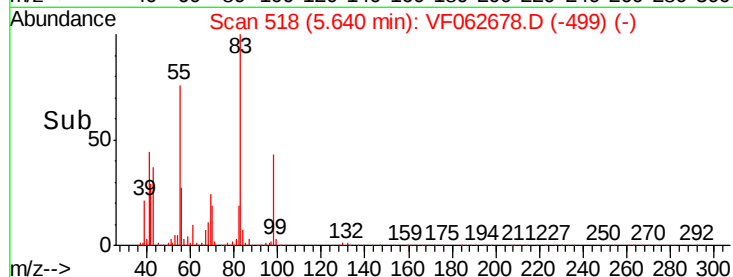
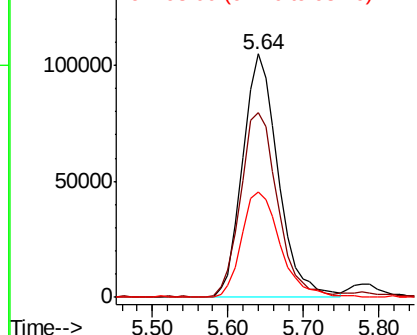
#39
Methvlcvclohexane
Concen: 21.095 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 83 Resp: 343422
Ion Ratio Lower Upper
83 100
55 75.9 57.9 86.9
98 43.3 34.6 52.0

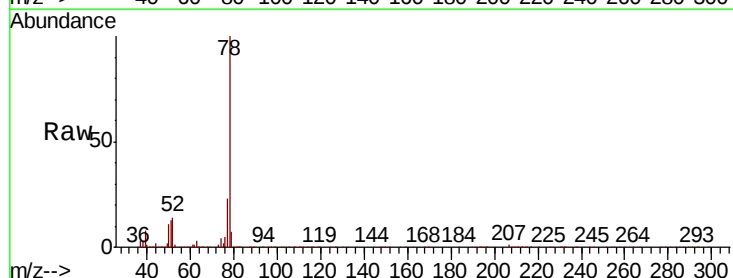


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

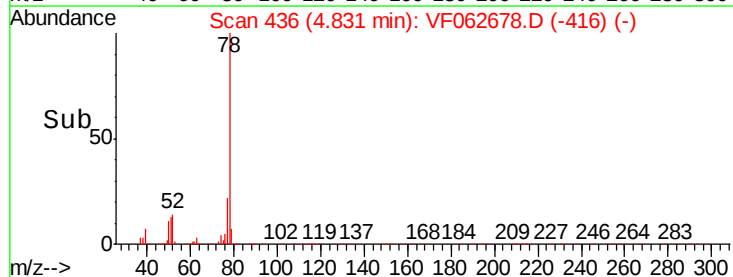
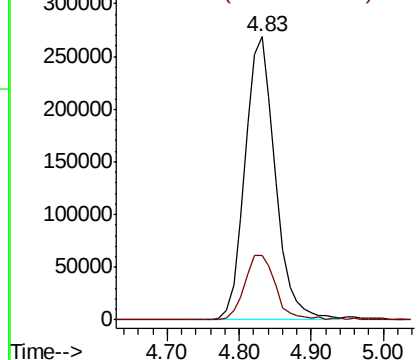


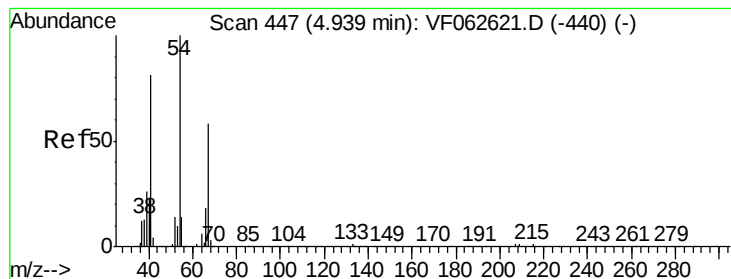
#40
Benzene
Concen: 21.416 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Tgt Ion: 78 Resp: 789372
Ion Ratio Lower Upper
78 100
77 22.6 18.2 27.2



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 21.865 ug/l

RT: 4.95 min Scan# 448

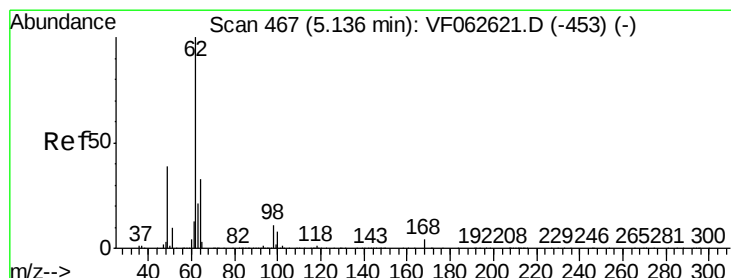
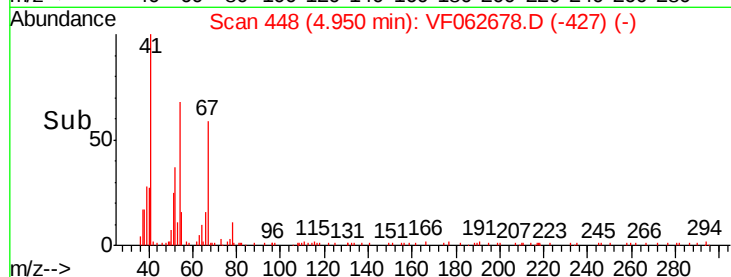
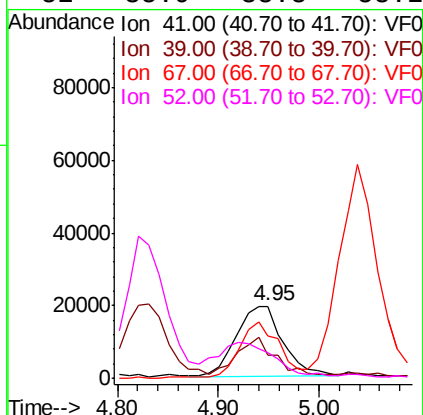
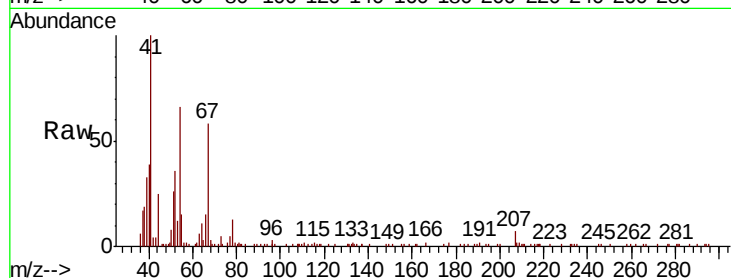
Delta R.T. 0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	63325
Ion	Ratio	Lower	Upper
41	100		
39	32.9	42.2	63.2#
67	58.2	56.4	84.6
52	35.9	38.8	58.2#



#42

1,2-Dichloroethane

Concen: 21.326 ug/l

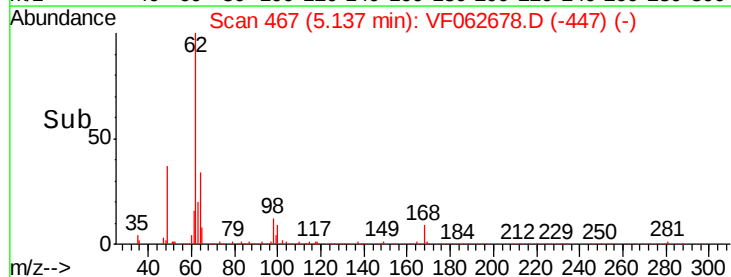
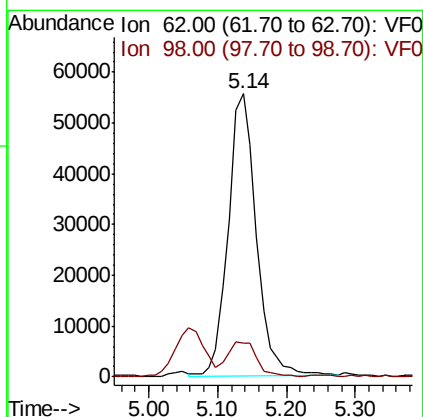
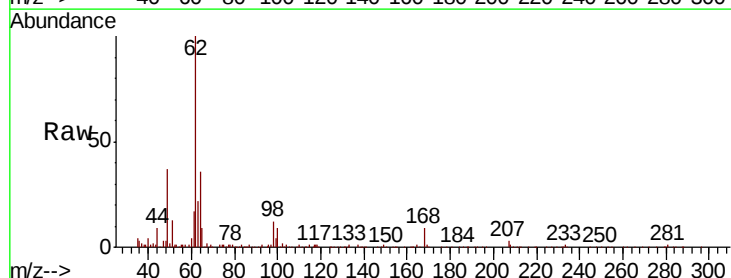
RT: 5.14 min Scan# 467

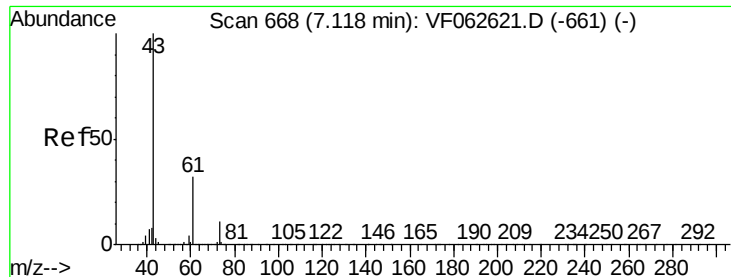
Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Tgt Ion:	62	Resp:	156746
Ion	Ratio	Lower	Upper
62	100		
98	11.8	0.0	21.6



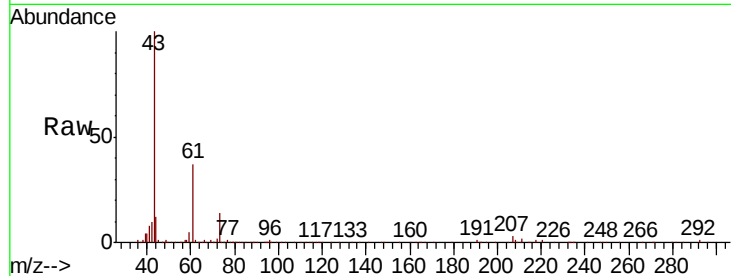


#43

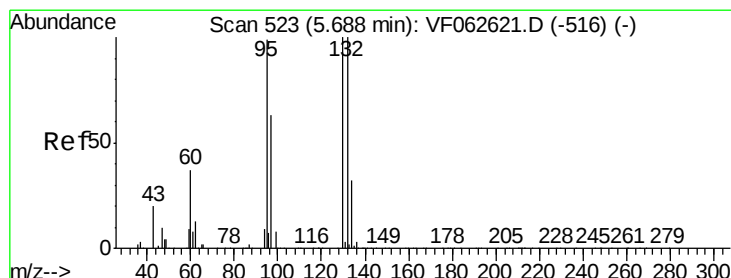
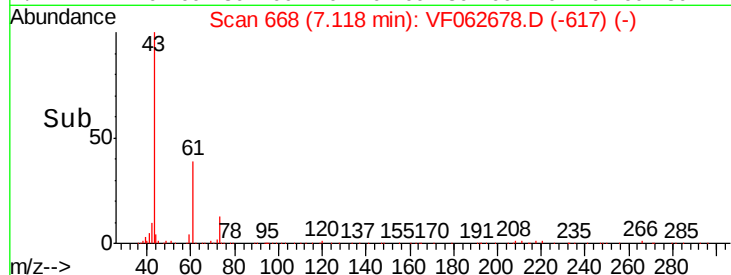
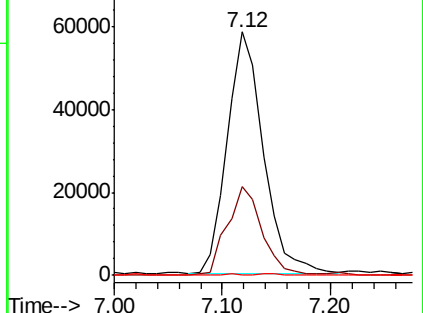
Isopropyl Acetate
 Concen: 18.996 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF062678.D
 Acq: 21 May 2019 12:39

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.7	25.8	38.8
87	0.4	0.4	0.6



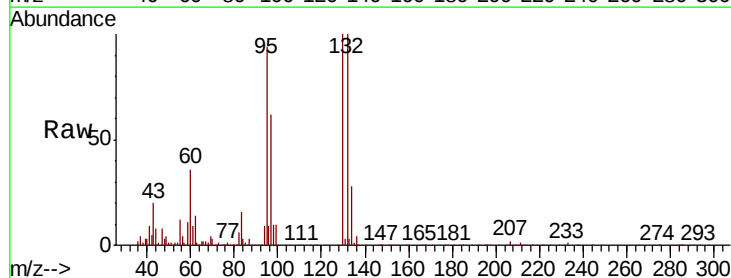
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



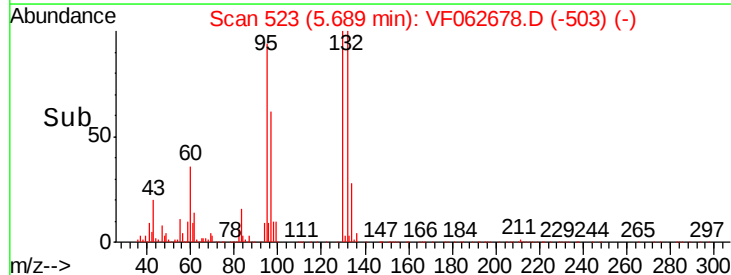
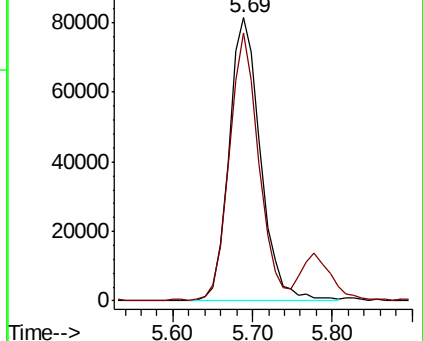
#44

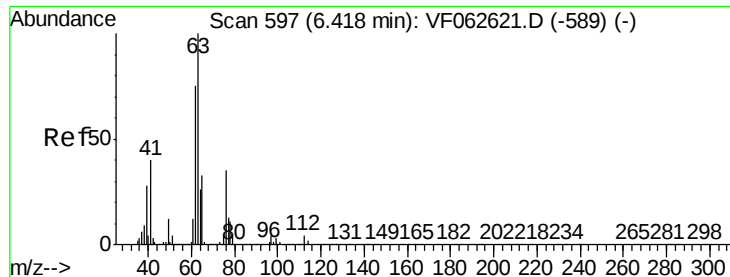
Trichloroethene
 Concen: 21.658 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VF062678.D
 Acq: 21 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	199.4



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.926 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

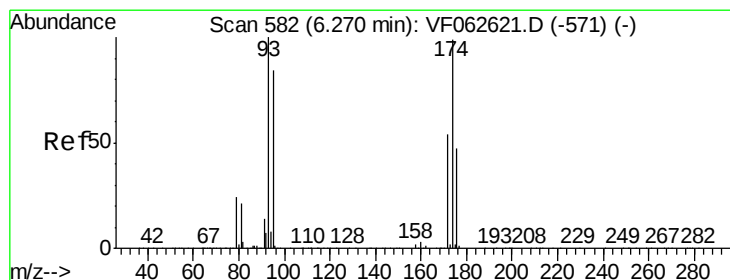
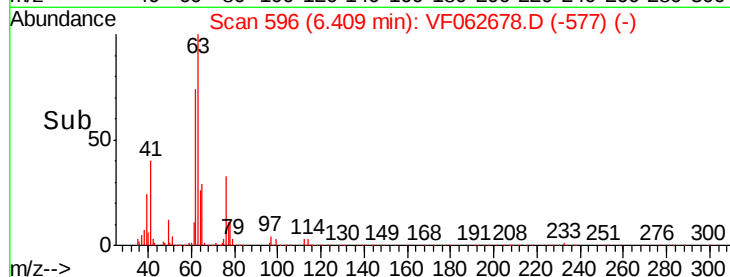
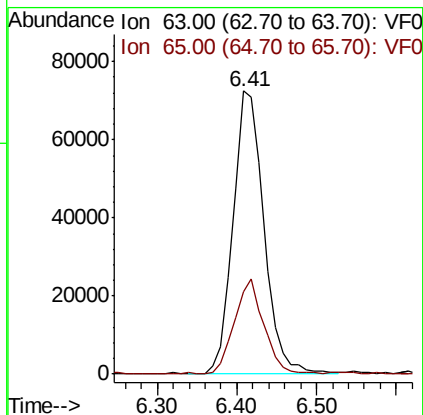
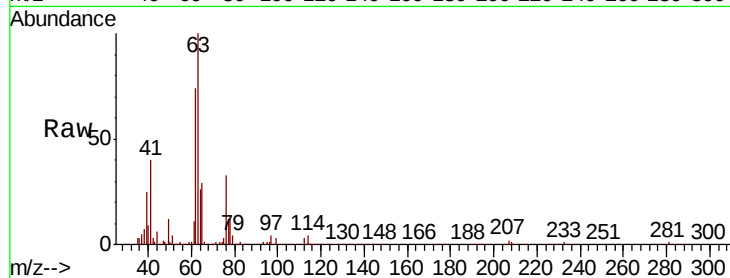
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 194708

Ion Ratio Lower Upper

63 100

65 29.0 26.3 39.5



#46

Dibromomethane

Concen: 21.653 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

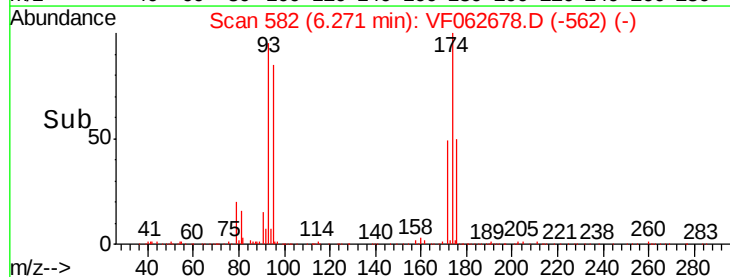
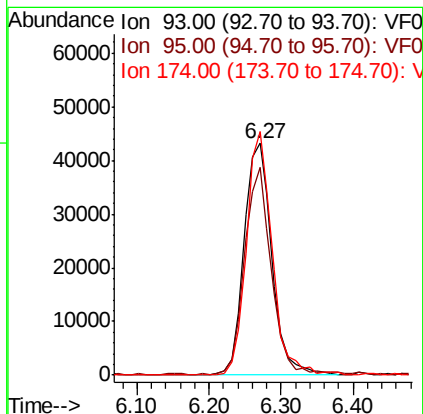
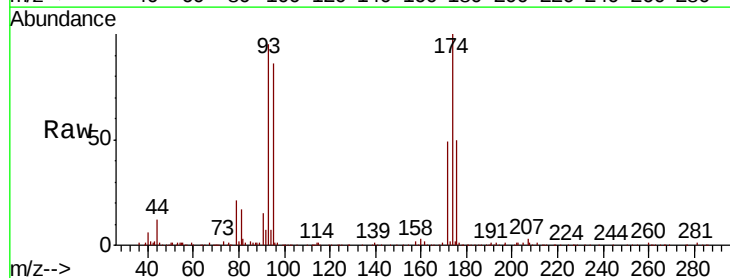
Tgt Ion: 93 Resp: 116434

Ion Ratio Lower Upper

93 100

95 89.8 67.4 101.2

174 105.0 79.4 119.2





#47

Bromodichloromethane

Concen: 21.160 ug/l

RT: 6.56 min Scan# 611

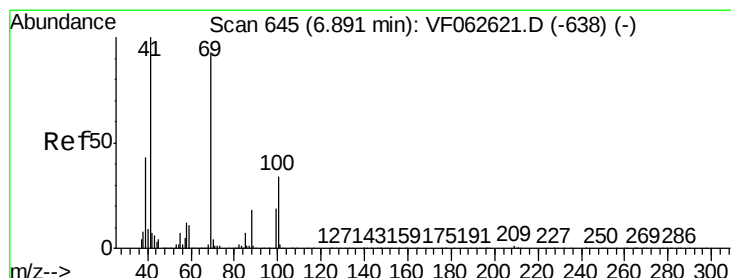
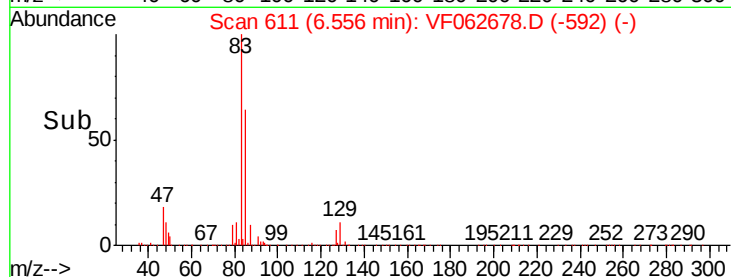
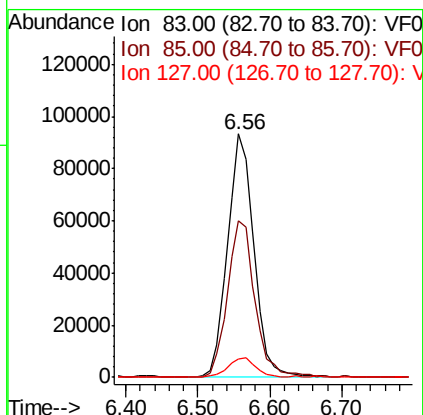
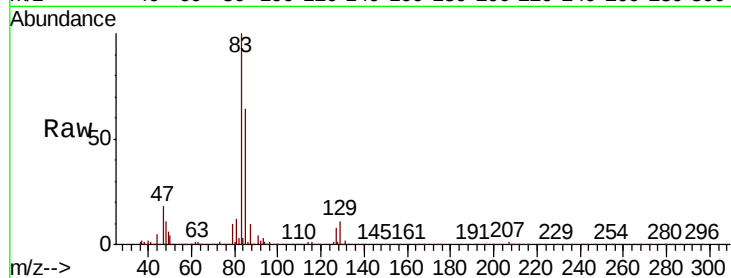
Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	83	Resp:	236217
Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.0	78.0
127	7.5	7.7	11.5#



#48

Methyl methacrylate

Concen: 20.022 ug/l

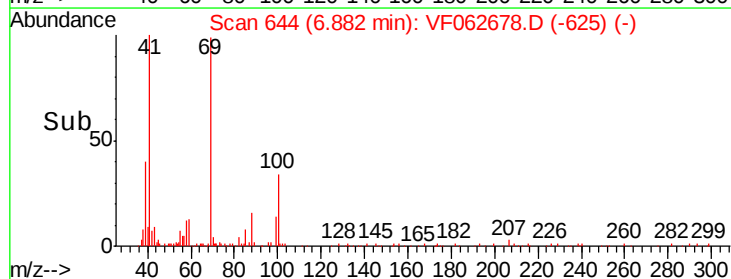
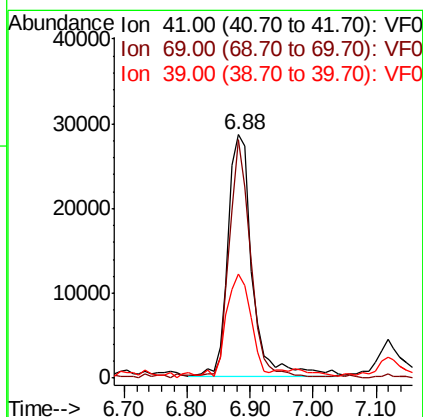
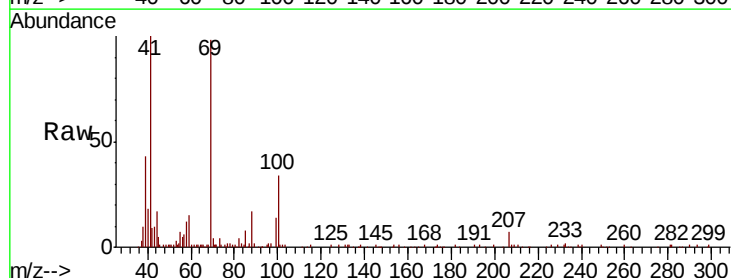
RT: 6.88 min Scan# 644

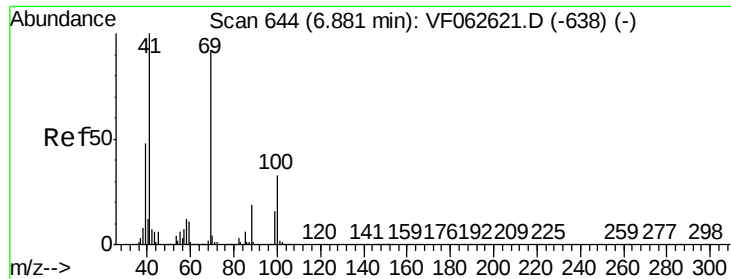
Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Tgt Ion:	41	Resp:	74897
Ion	Ratio	Lower	Upper
41	100		
69	98.1	74.2	111.2
39	42.6	34.2	51.4

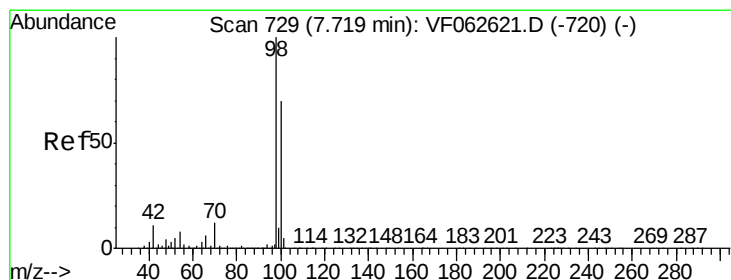
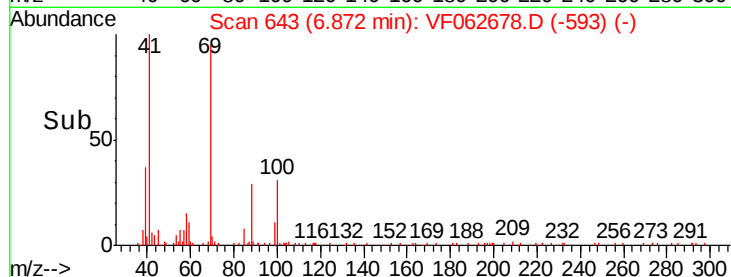
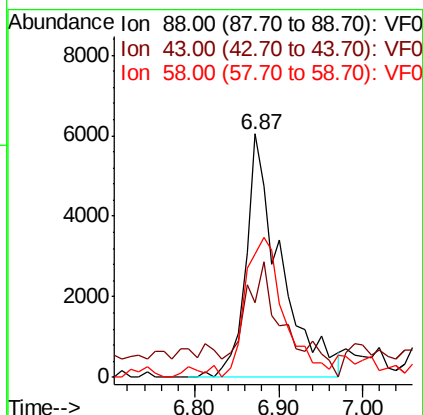
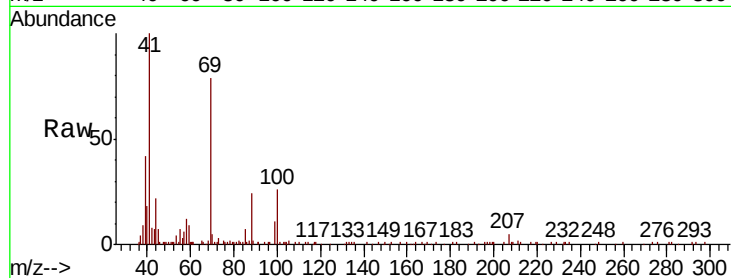




#49
1,4-Dioxane
Concen: 362.506 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

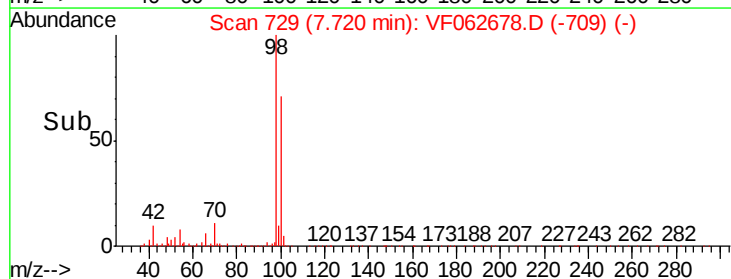
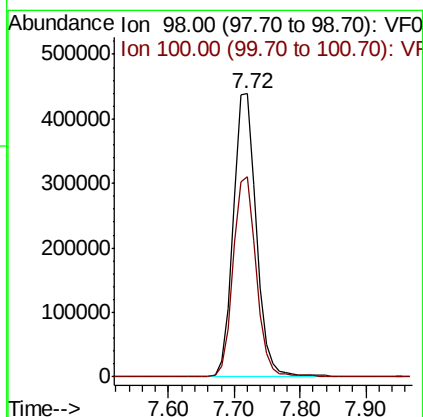
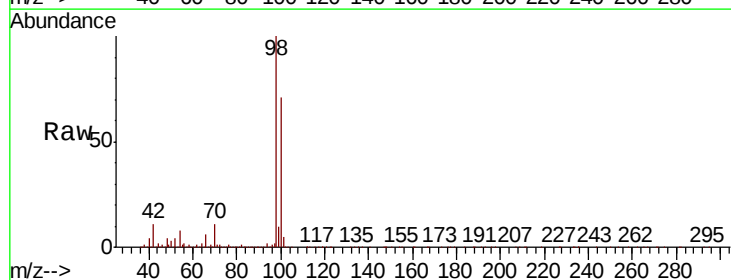
Instrument :
MSVOA_F
ClientSampleId :

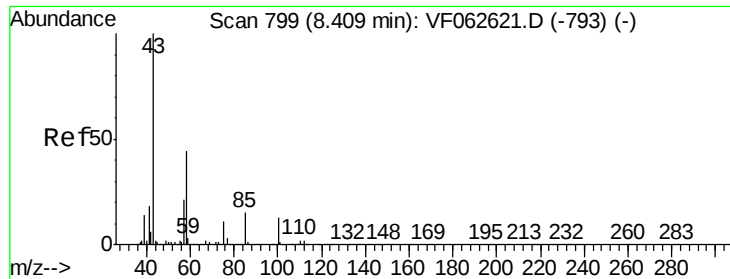
Tot Ion: 88 Resp: 17368
Ion Ratio Lower Upper
88 100
43 30.7 30.0 45.0
58 50.8 51.1 76.7#



#50
Toluene-d8
Concen: 45.032 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Tgt Ion: 98 Resp: 1086322
Ion Ratio Lower Upper
98 100
100 70.9 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 108.426 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA_F

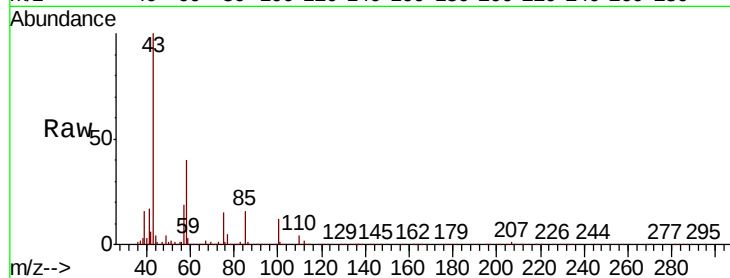
ClientSampleId :

Tot Ion: 43 Resp: 530414

Ion Ratio Lower Upper

43 100

58 40.4 34.9 52.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250000

200000

150000

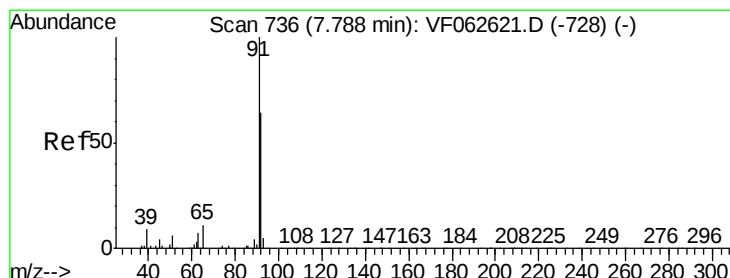
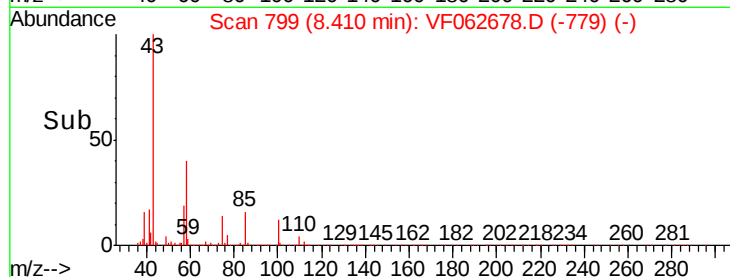
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 21.055 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062678.D

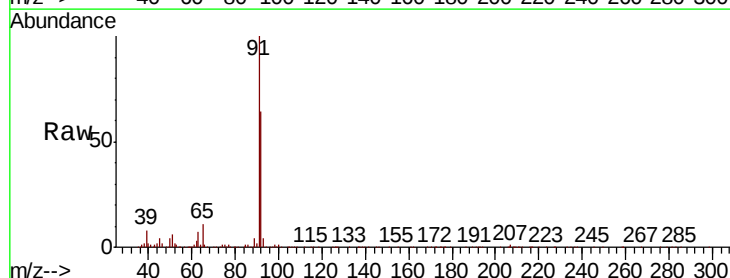
Acq: 21 May 2019 12:39

Tgt Ion: 92 Resp: 406998

Ion Ratio Lower Upper

92 100

91 156.9 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

300000

250000

200000

150000

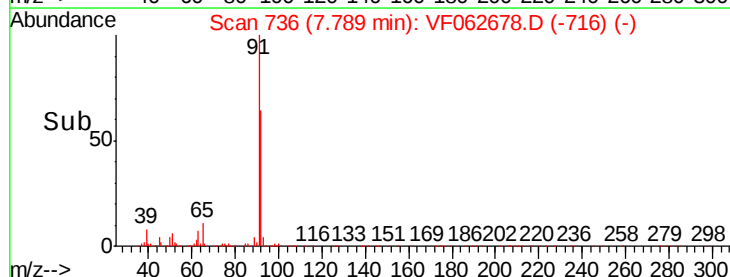
100000

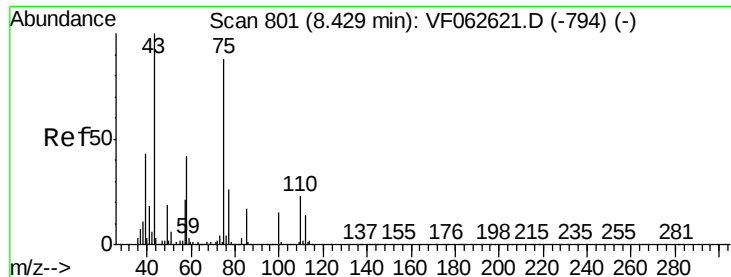
50000

0

7.60 7.70 7.80 7.90 8.00

Time-->

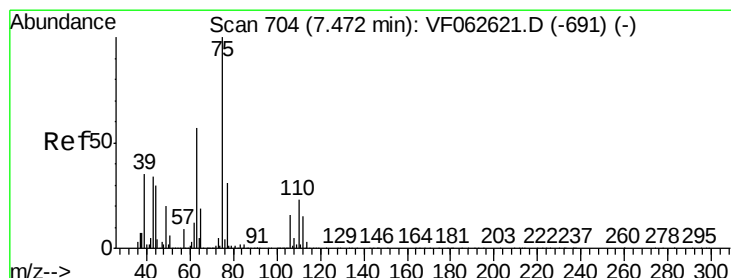
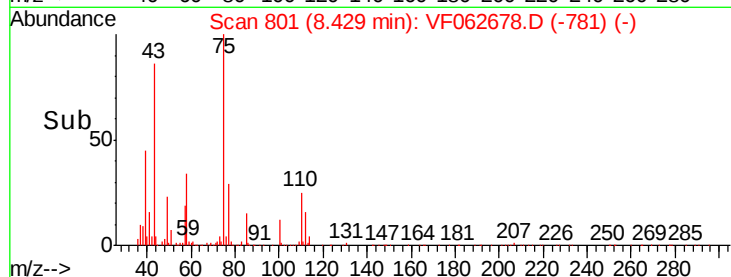
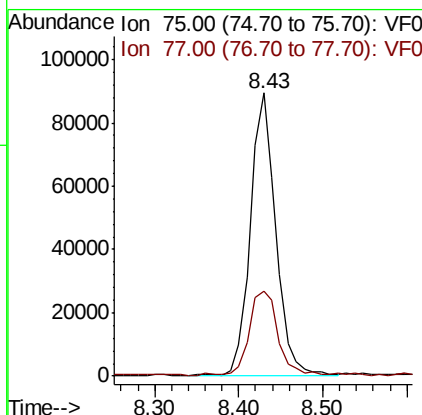
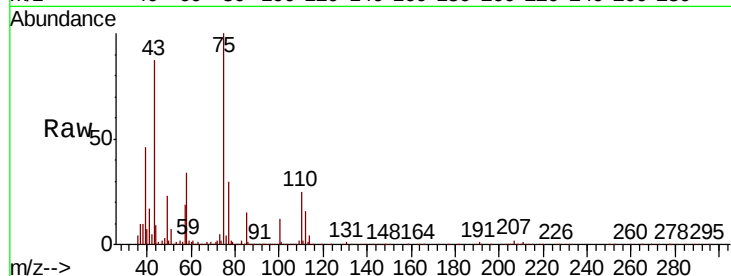




#53
 t-1,3-Dichloropropene
 Concen: 20.711 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VF062678.D
 Acq: 21 May 2019 12:39

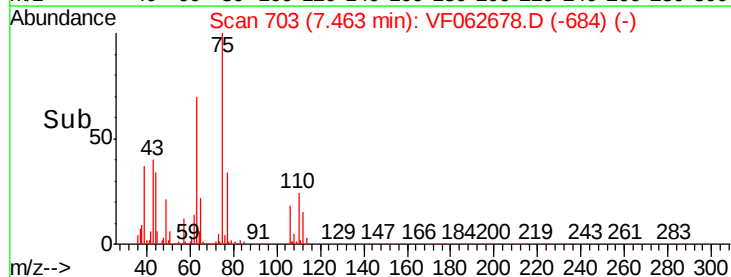
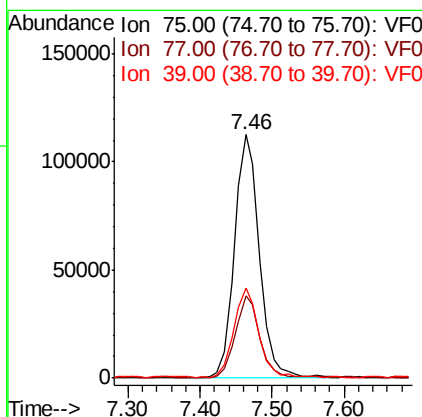
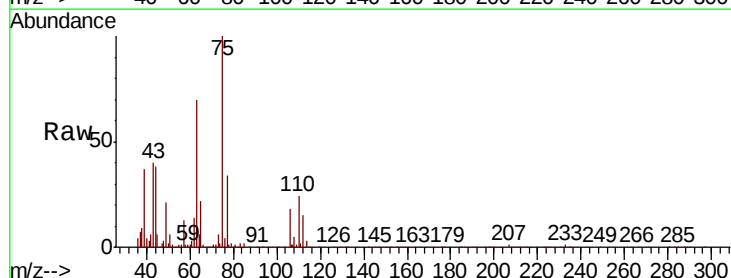
Instrument :
 MSVOA_F
 ClientSampleId :

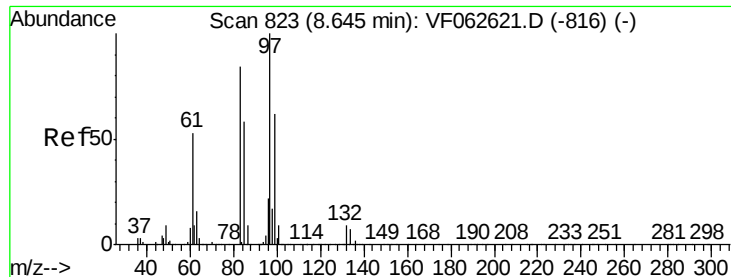
Tot Ion: 75 Resp: 189147
 Ion Ratio Lower Upper
 75 100
 77 29.8 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 21.249 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VF062678.D
 Acq: 21 May 2019 12:39

Tgt Ion: 75 Resp: 271653
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.3 37.9
 39 37.2 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 20.696 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 118450

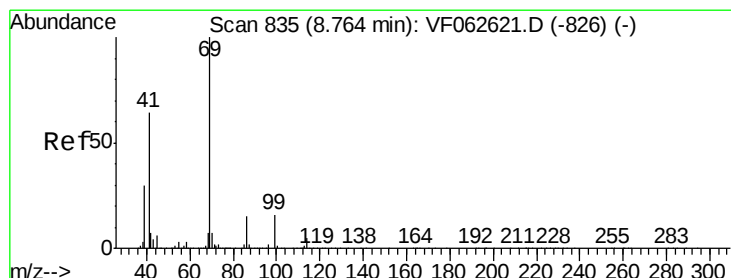
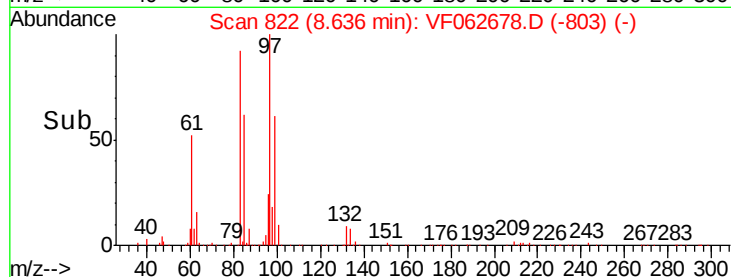
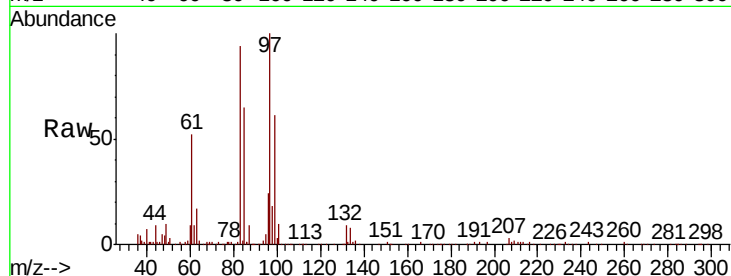
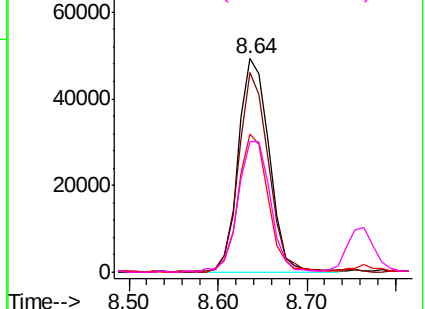
Ion	Ratio	Lower	Upper
97	100		
83	93.7	67.3	100.9
85	64.9	46.6	69.8
99	60.9	49.7	74.5

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: 20.814 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

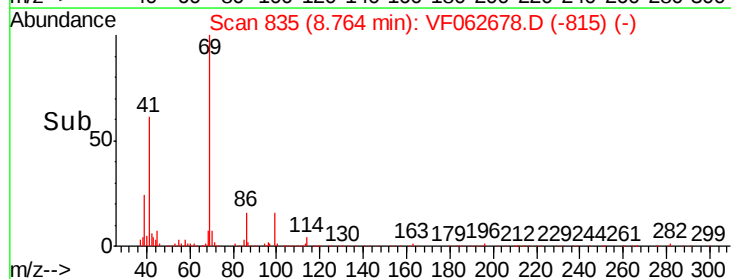
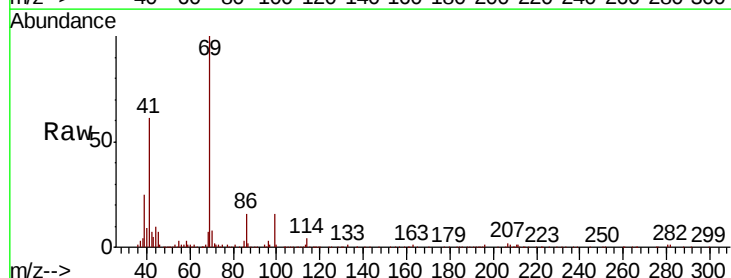
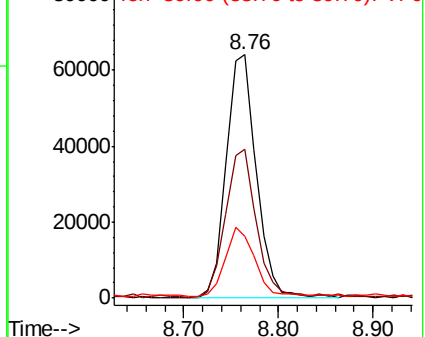
Tgt Ion: 69 Resp: 141925

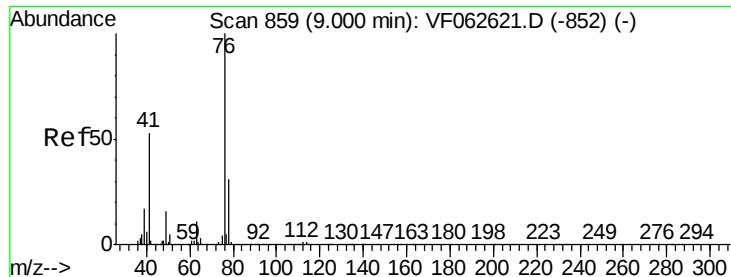
Ion	Ratio	Lower	Upper
69	100		
41	61.2	51.4	77.2
39	25.3	23.6	35.4

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: 17.274 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA_F

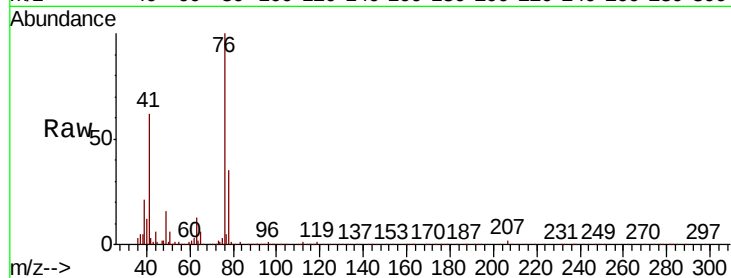
ClientSampleId :

Tot Ion: 76 Resp: 168395

Ion Ratio Lower Upper

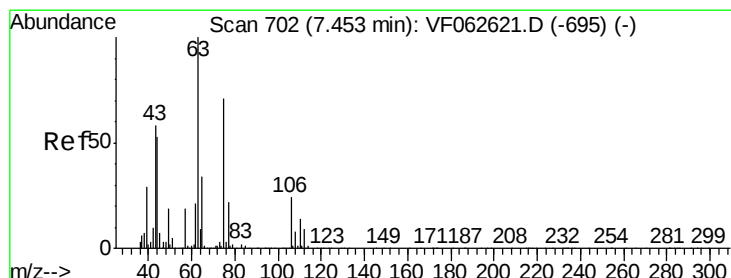
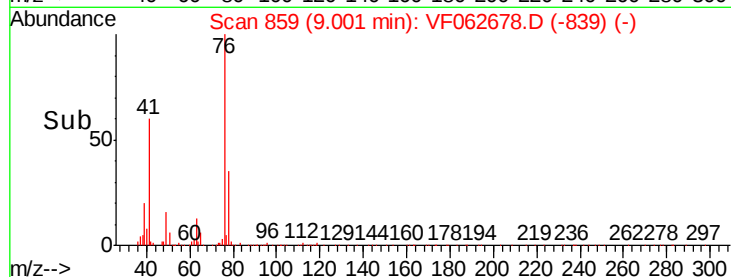
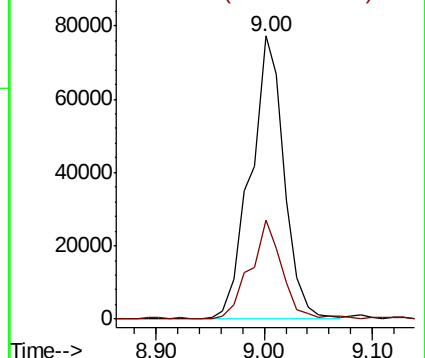
76 100

78 34.8 25.4 38.0



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 93.670 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062678.D

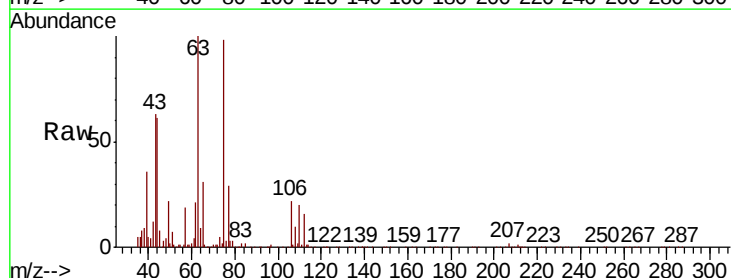
Acq: 21 May 2019 12:39

Tgt Ion: 63 Resp: 207900

Ion Ratio Lower Upper

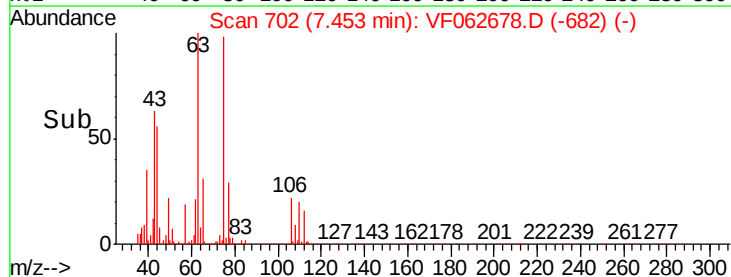
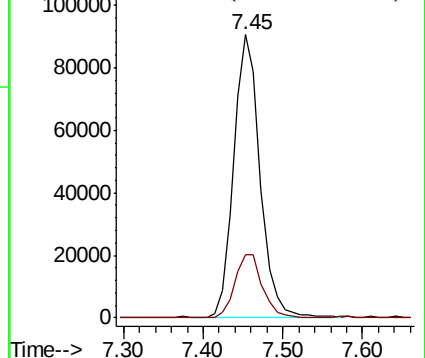
63 100

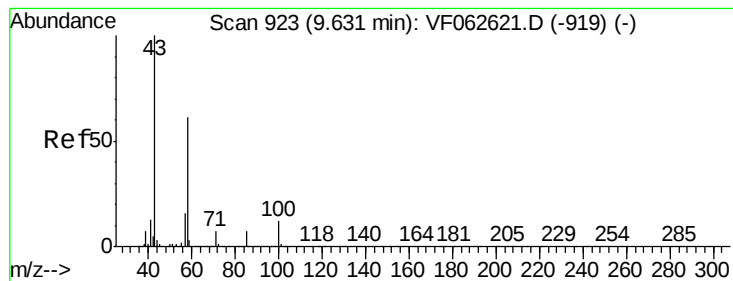
106 22.4 19.1 28.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 93.446 ug/l

RT: 9.62 min Scan# 922

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

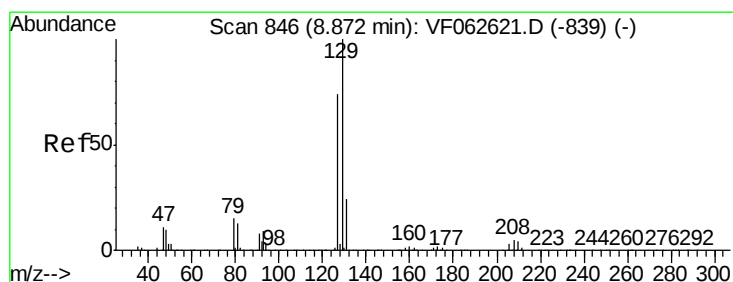
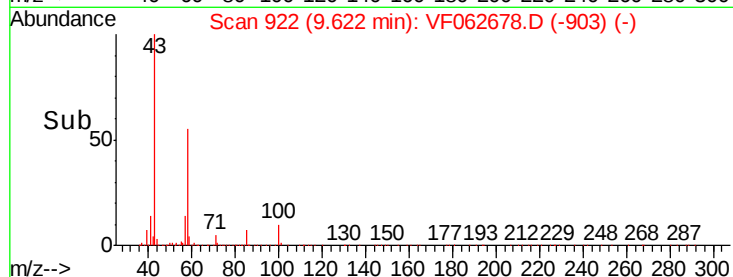
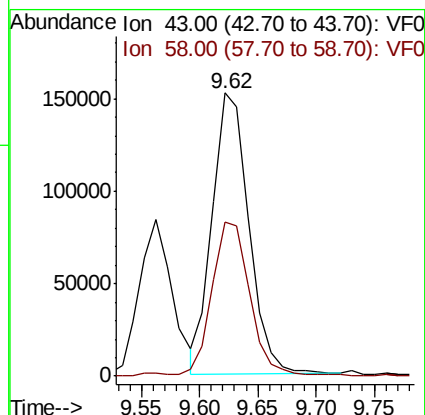
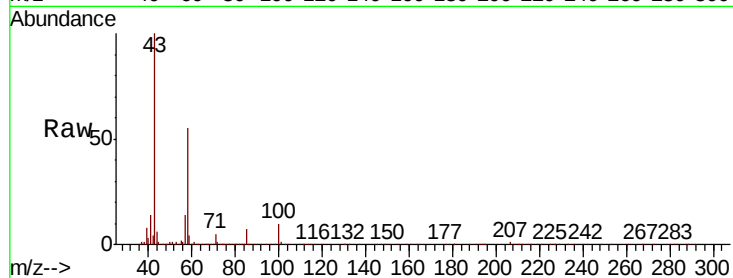
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 332943

Ion Ratio Lower Upper

43 100

58 54.6 28.1 84.4



#60

Dibromochloromethane

Concen: 21.250 ug/l

RT: 8.86 min Scan# 845

Delta R.T. -0.01 min

Lab File: VF062678.D

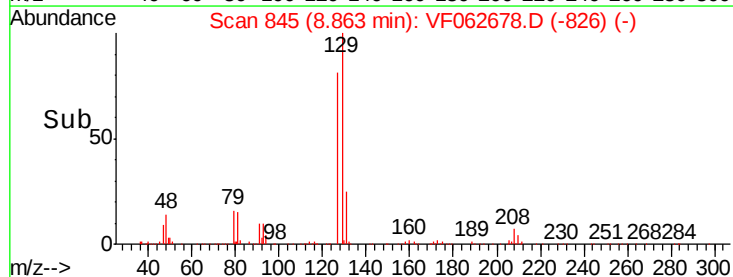
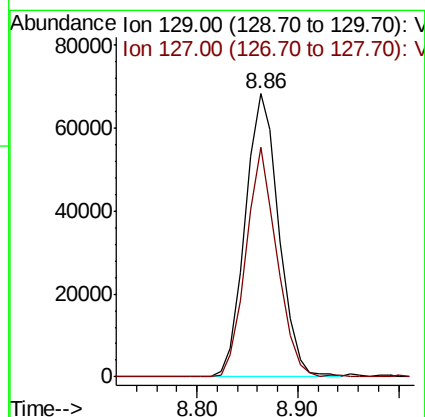
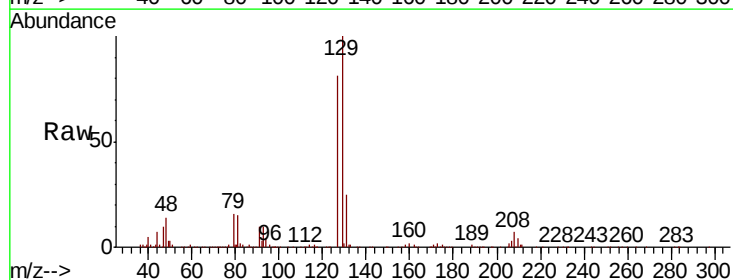
Acq: 21 May 2019 12:39

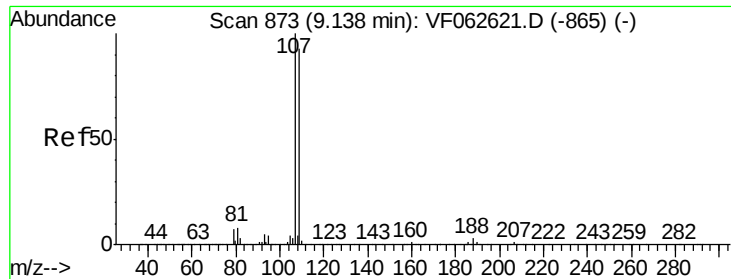
Tgt Ion: 129 Resp: 158512

Ion Ratio Lower Upper

129 100

127 81.3 37.2 111.6





#61

1,2-Dibromoethane

Concen: 20.585 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA_F

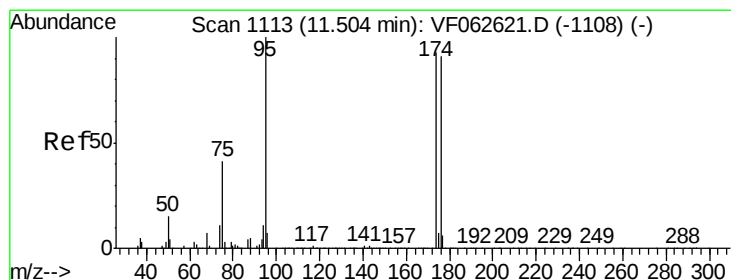
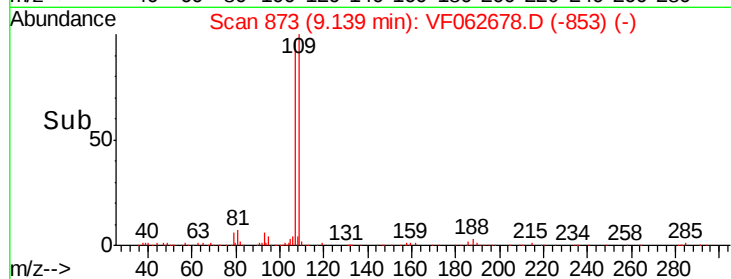
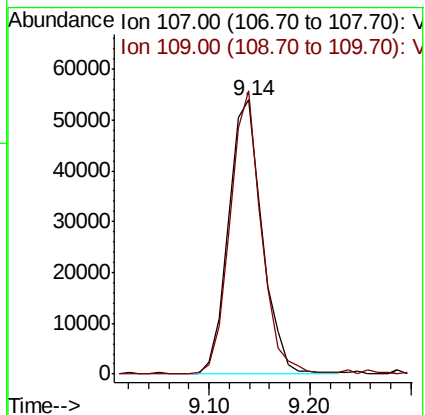
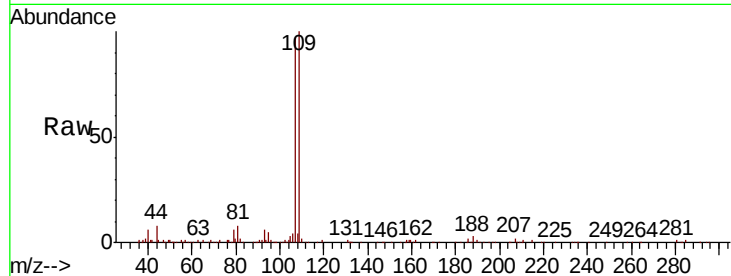
ClientSampleId :

Tot Ion:107 Resp: 125141

Ion Ratio Lower Upper

107 100

109 103.3 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 40.799 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

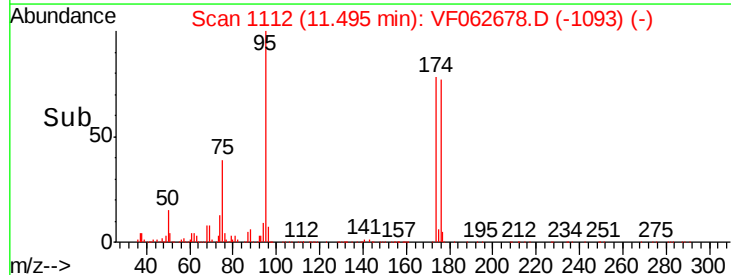
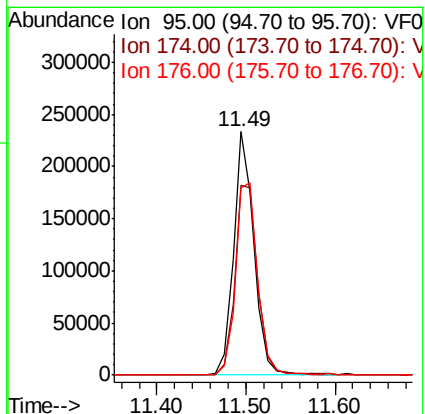
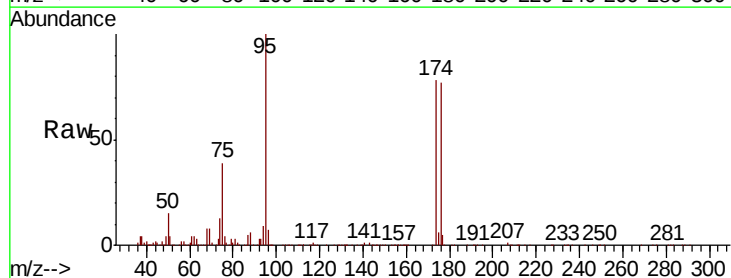
Tgt Ion: 95 Resp: 373274

Ion Ratio Lower Upper

95 100

174 78.0 0.0 185.6

176 77.1 0.0 182.4

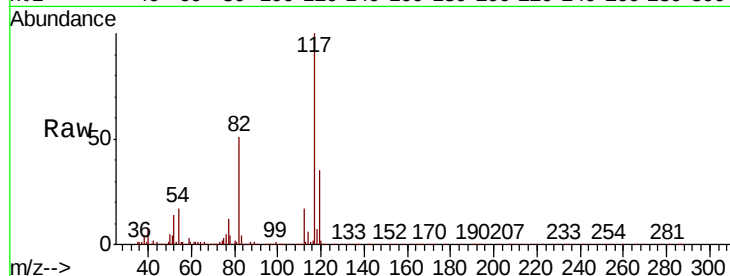




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	43.3	64.9
119	35.3	27.4	41.0

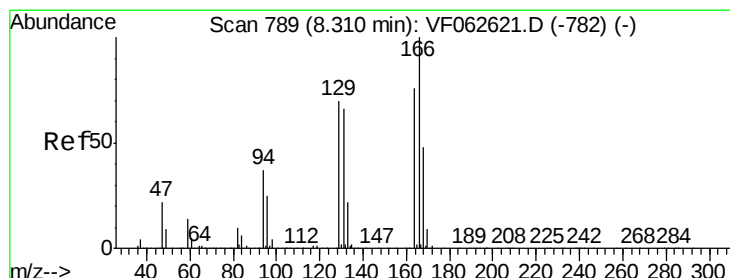
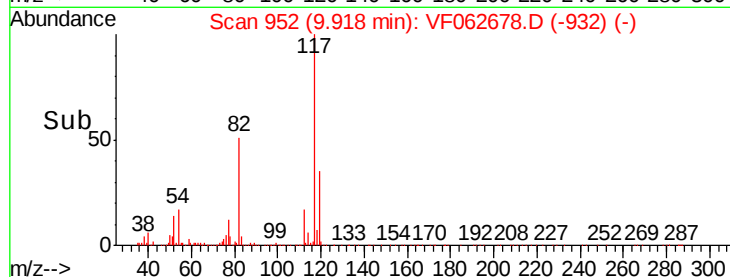
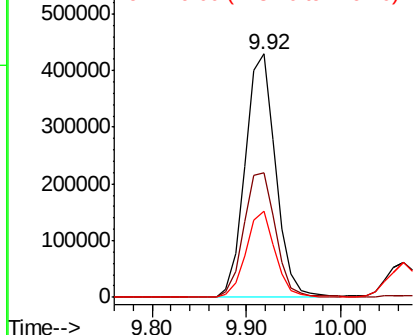


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 22.991 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	105.5	158.3
129	89.2	73.8	110.6
131	83.1	69.5	104.3

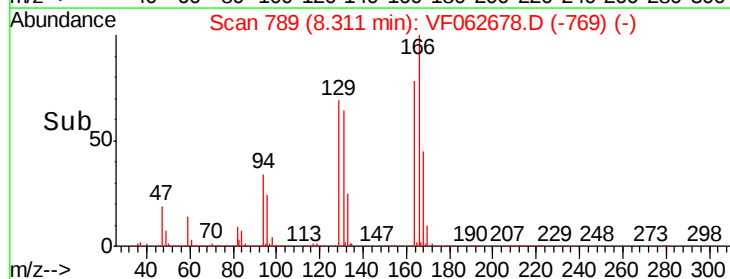
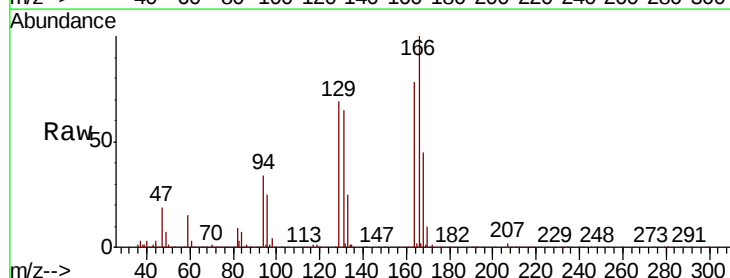
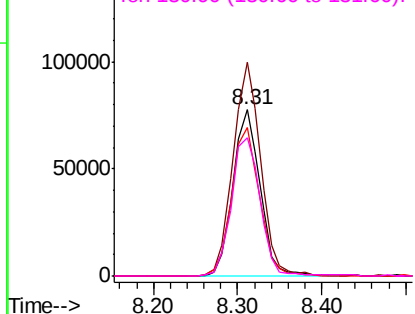
Abundance

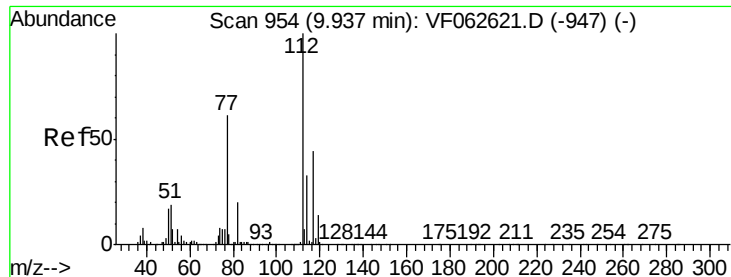
Ion 163.85 (163.55 to 164.55): V

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

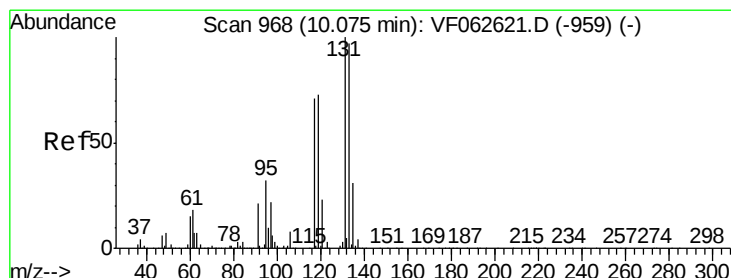
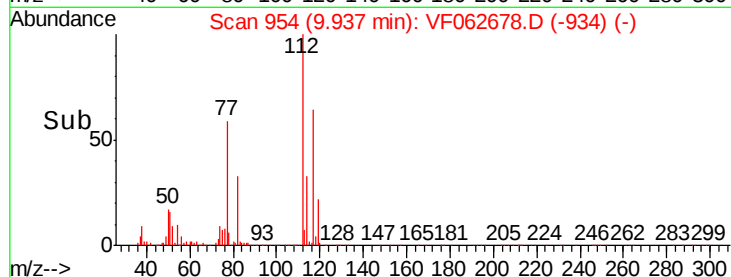
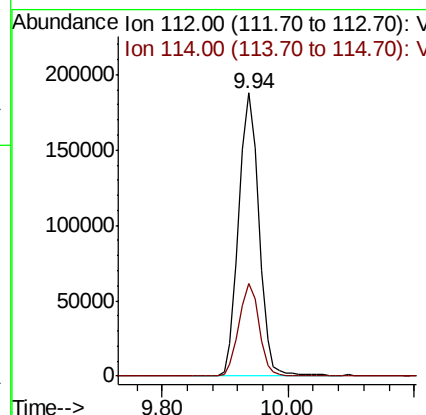
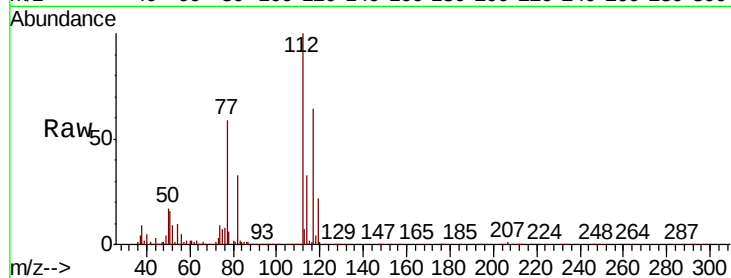




#65
Chlorobenzene
Concen: 22.144 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

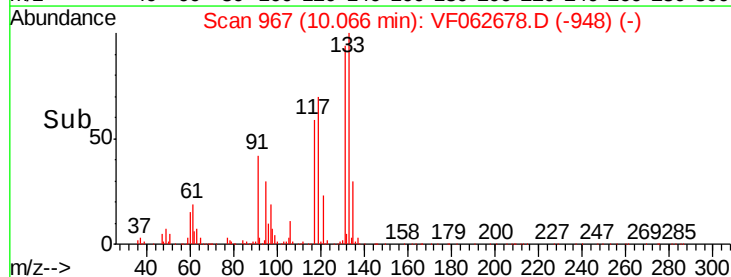
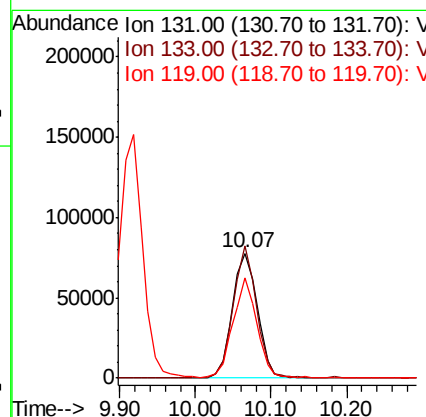
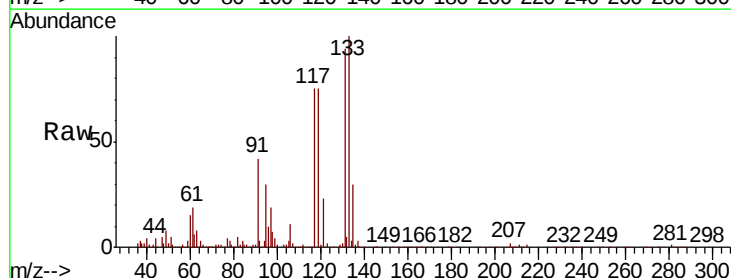
Instrument :
MSVOA_F
ClientSampleId :

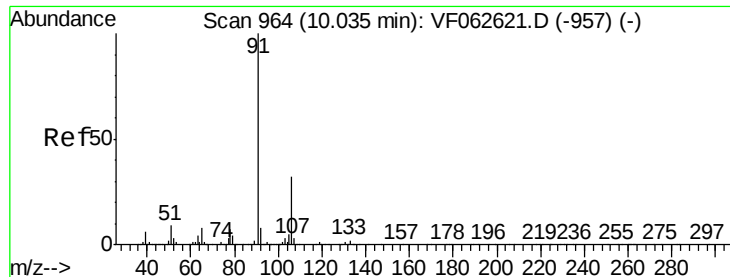
Tot Ion:112 Resp: 417333
Ion Ratio Lower Upper
112 100
114 33.0 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 23.652 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Tgt Ion:131 Resp: 178944
Ion Ratio Lower Upper
131 100
133 106.6 48.5 145.5
119 80.0 36.8 110.4

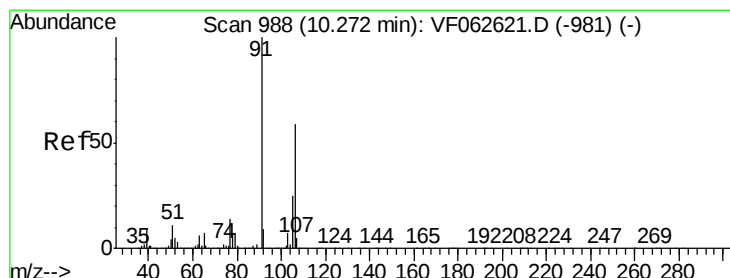
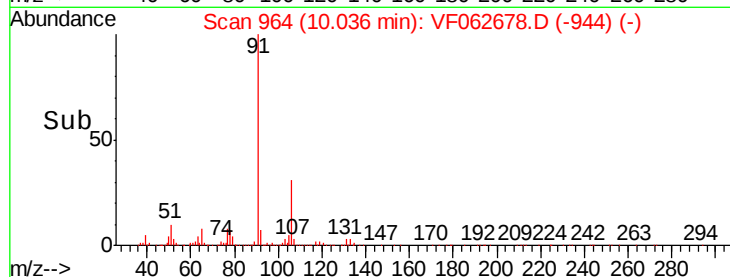
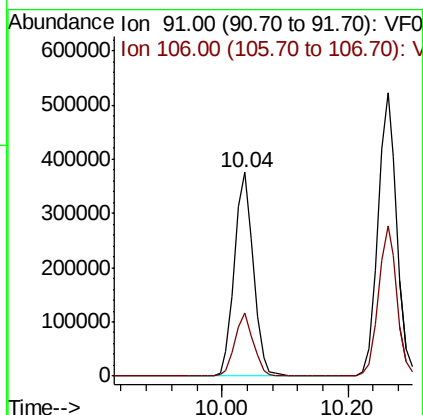
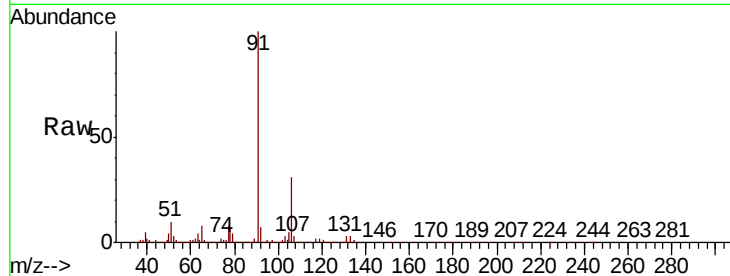




#67
Ethyl Benzene
Concen: 23.724 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

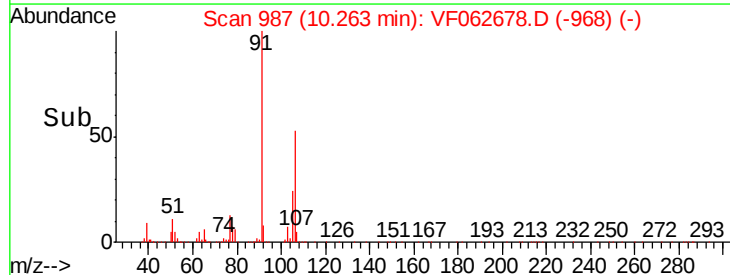
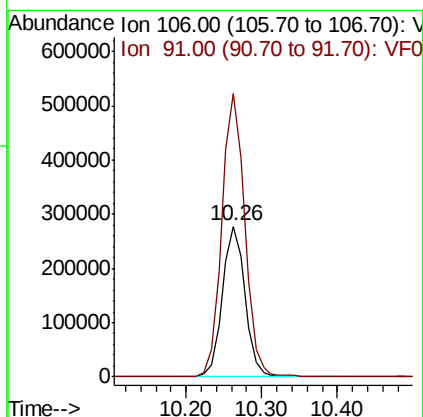
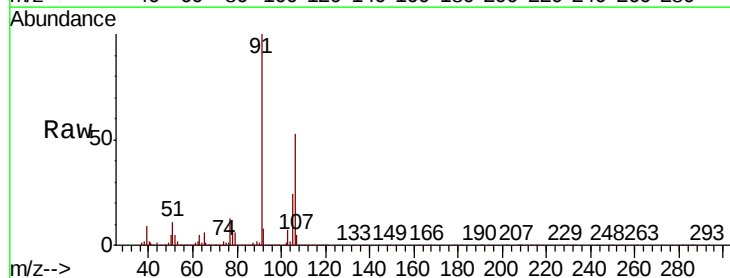
Instrument :
MSVOA_F
ClientSampleId :

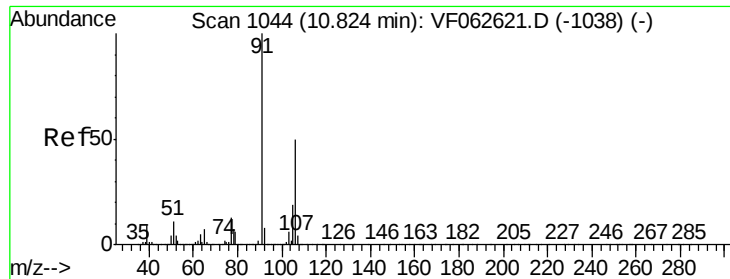
Tot Ion: 91 Resp: 776721
Ion Ratio Lower Upper
91 100
106 30.7 25.8 38.8



#68
m/p-Xylenes
Concen: 46.763 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Tgt Ion: 106 Resp: 575428
Ion Ratio Lower Upper
106 100
91 188.2 136.9 205.3

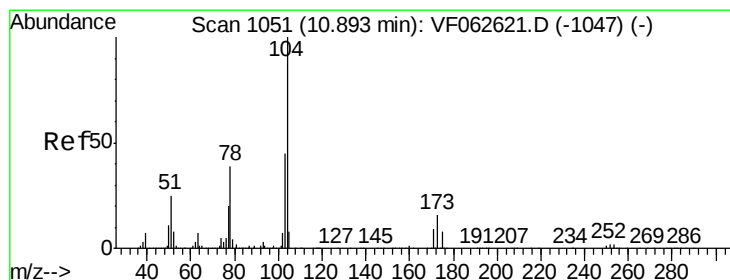
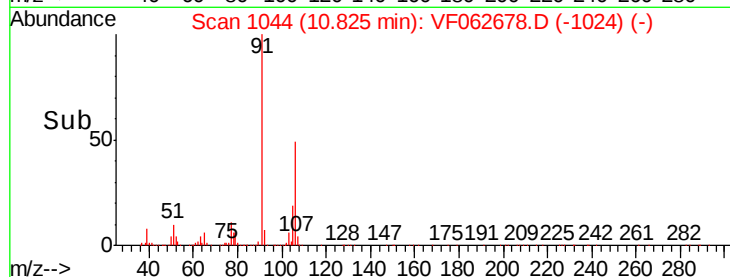
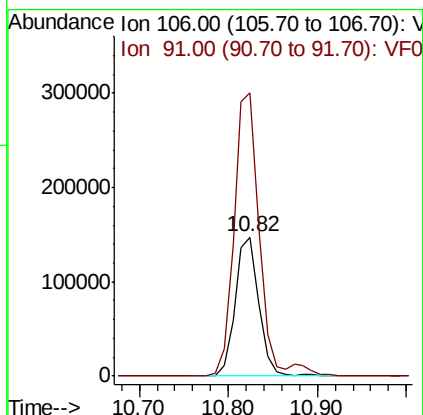
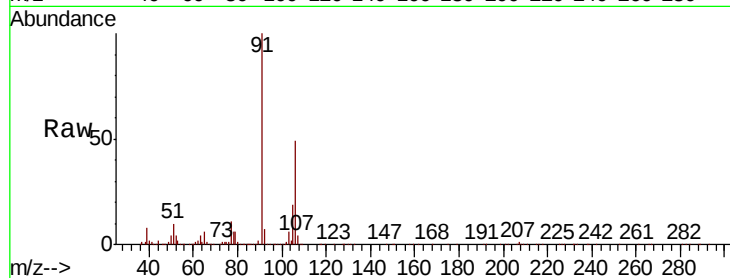




#69
o-Xylene
Concen: 21.548 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

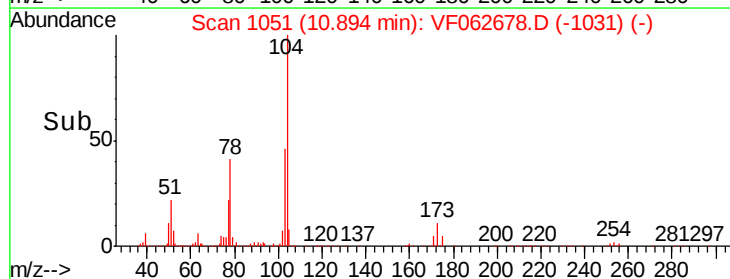
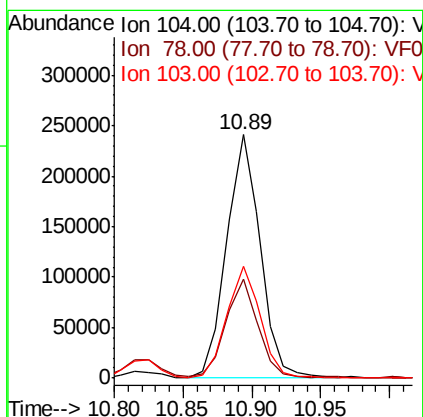
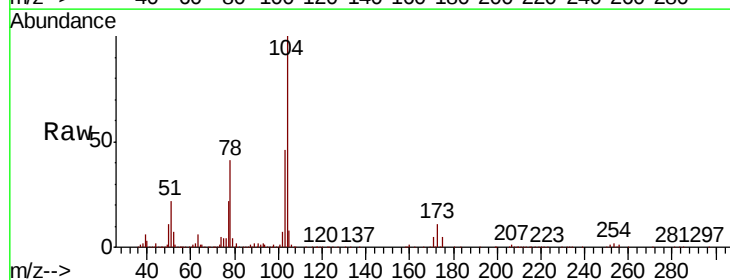
Instrument :
MSVOA_F
ClientSampleId :

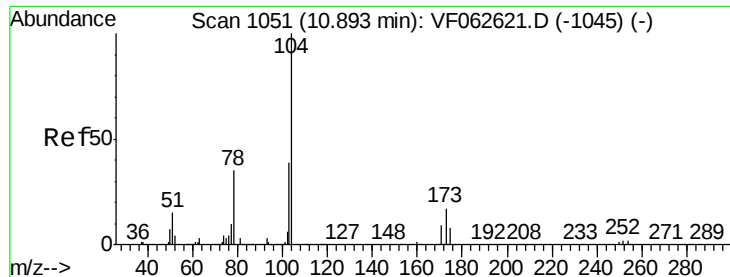
Tot Ion:106 Resp: 273113
Ion Ratio Lower Upper
106 100
91 203.6 100.2 300.5



#70
Styrene
Concen: 21.102 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Tgt Ion:104 Resp: 406523
Ion Ratio Lower Upper
104 100
78 40.9 31.9 47.9
103 46.1 36.1 54.1





#71

Bromoform

Concen: 21.339 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

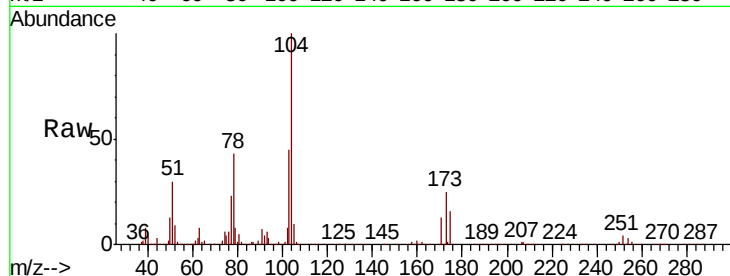
Tot Ion:173 Resp: 80861

Ion Ratio Lower Upper

173 100

175 61.7 25.3 75.9

254 0.0 0.2 0.2#

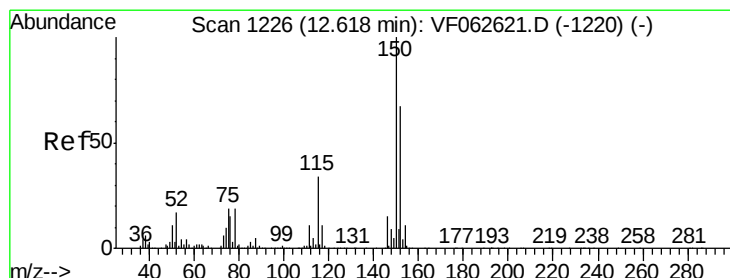
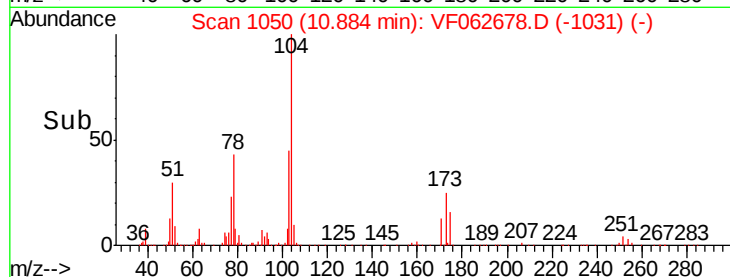
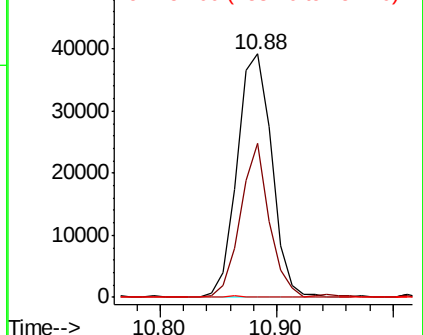


Abundance

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. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

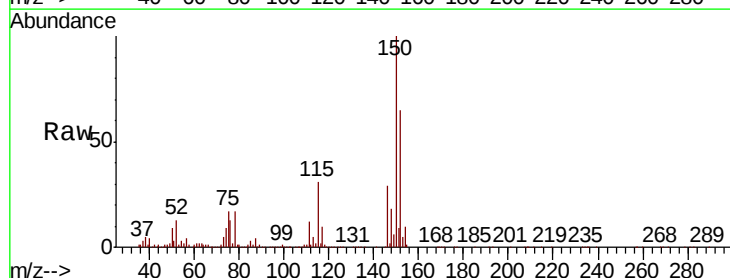
Tgt Ion:152 Resp: 457090

Ion Ratio Lower Upper

152 100

115 47.6 25.2 75.6

150 153.5 0.0 306.2

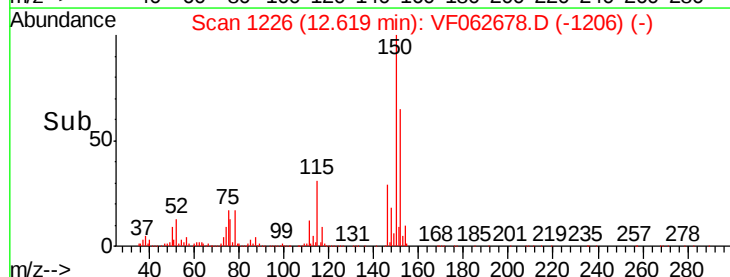
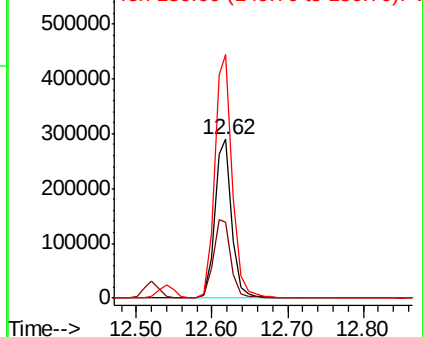


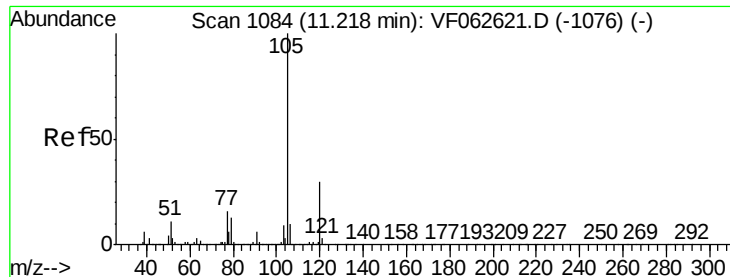
Abundance

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: 22.677 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA_F

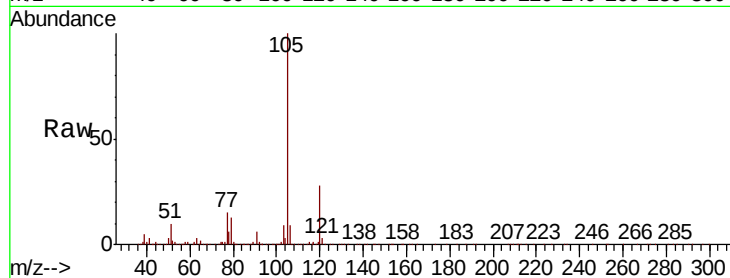
ClientSampleId :

Tot Ion:105 Resp: 742907

Ion Ratio Lower Upper

105 100

120 27.9 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

400000

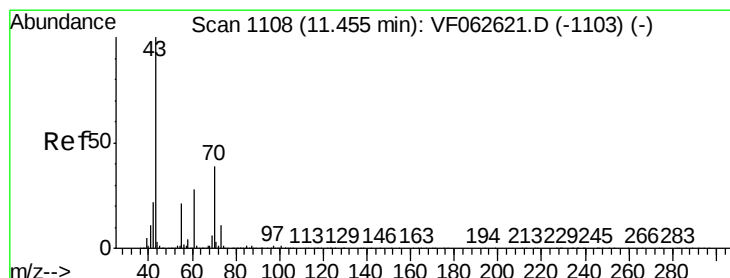
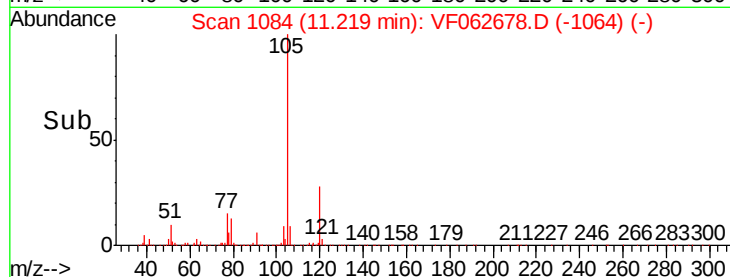
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 20.374 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Tgt Ion: 43 Resp: 196481

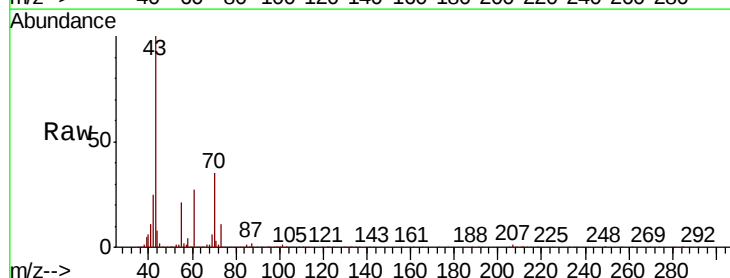
Ion Ratio Lower Upper

43 100

70 34.6 30.9 46.3

55 21.3 17.0 25.4

61 26.8 22.6 34.0



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

11.45

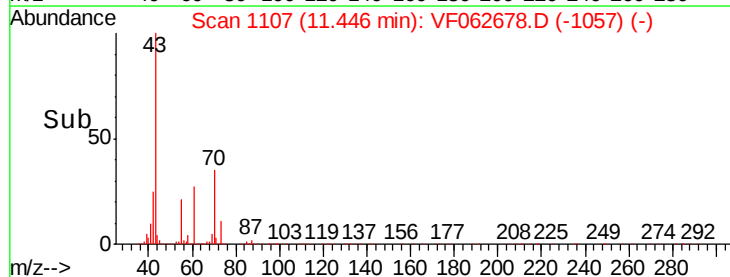
150000

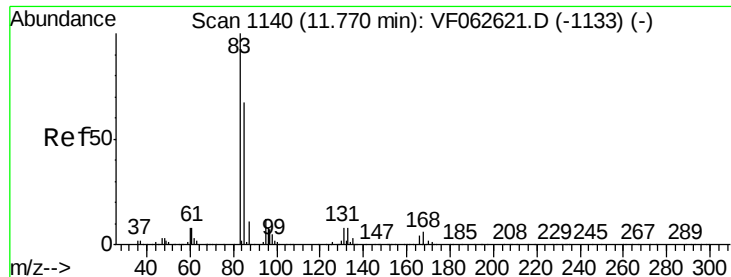
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.026 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

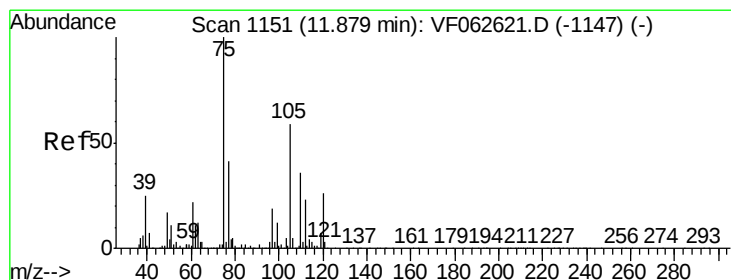
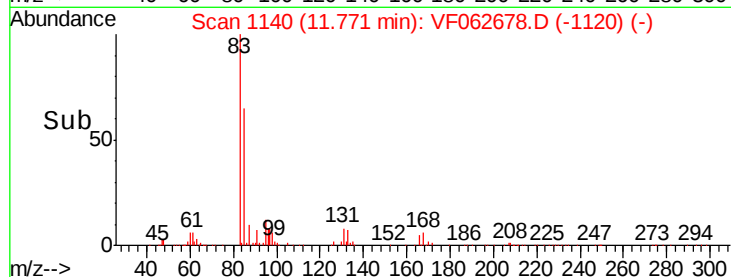
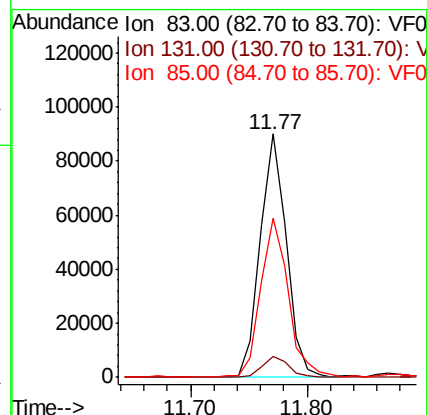
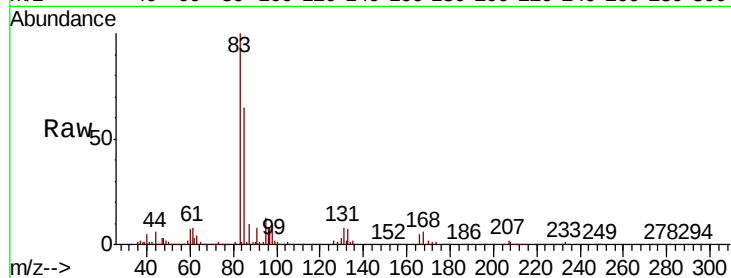
Tot Ion: 83 Resp: 140771

Ion Ratio Lower Upper

83 100

131 8.4 4.0 12.0

85 65.2 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 21.204 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062678.D

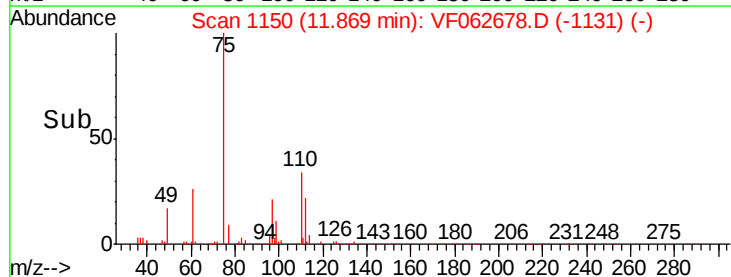
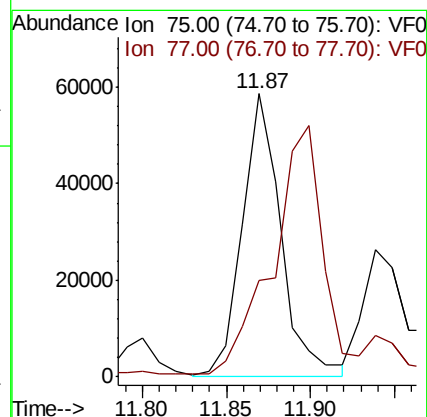
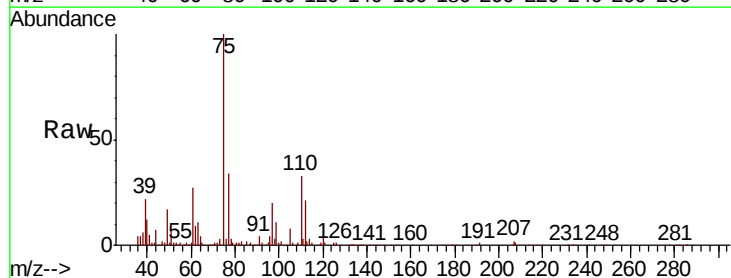
Acq: 21 May 2019 12:39

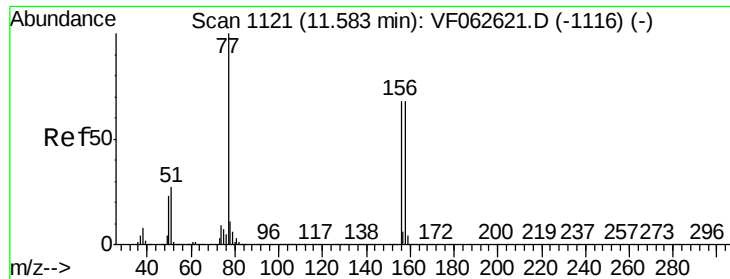
Tgt Ion: 75 Resp: 93277

Ion Ratio Lower Upper

75 100

77 34.1 20.6 61.8





#77

Bromobenzene

Concen: 21.353 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

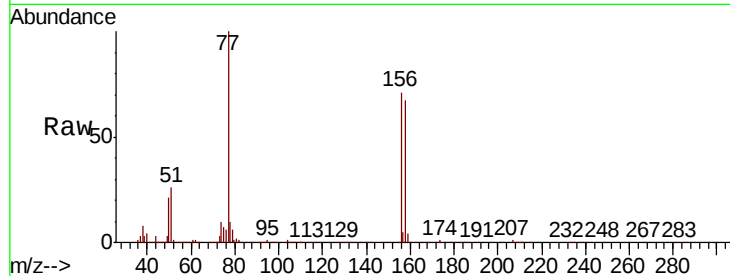
Tot Ion:156 Resp: 173885

Ion Ratio Lower Upper

156 100

77 140.1 73.6 220.8

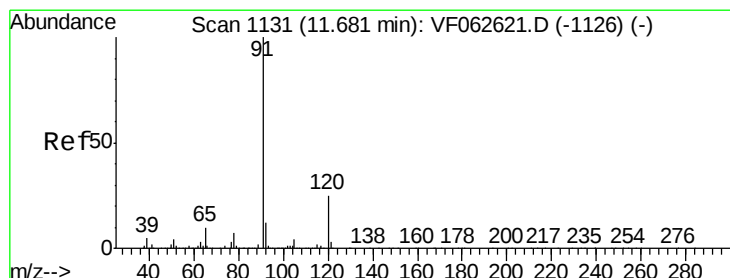
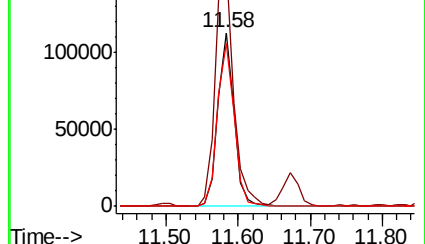
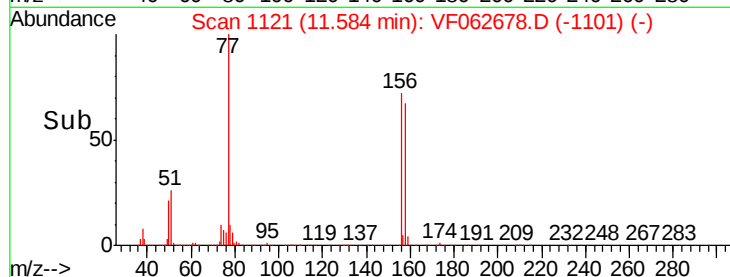
158 93.8 49.6 148.8



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: 22.213 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062678.D

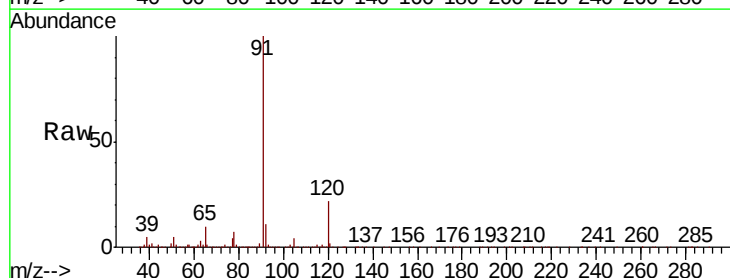
Acq: 21 May 2019 12:39

Tgt Ion: 91 Resp: 861226

Ion Ratio Lower Upper

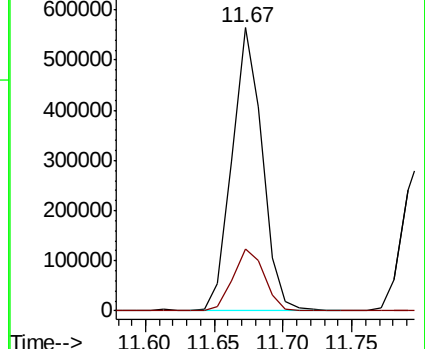
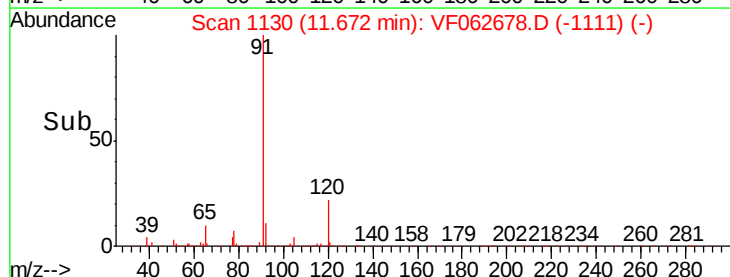
91 100

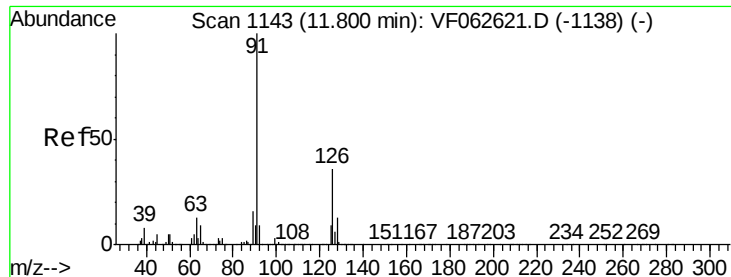
120 21.8 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.519 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA_F

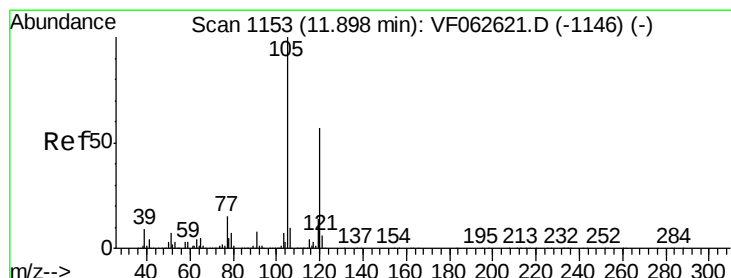
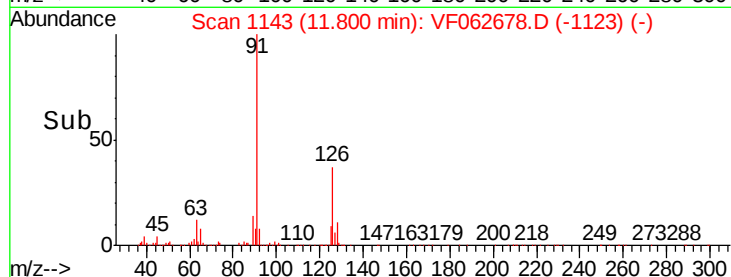
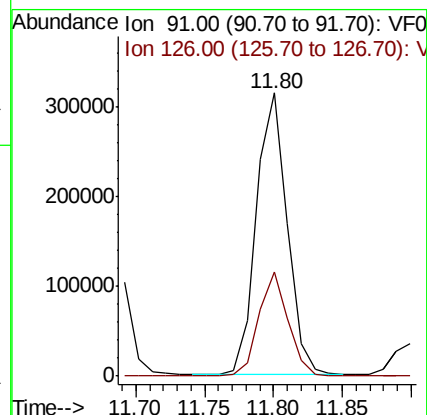
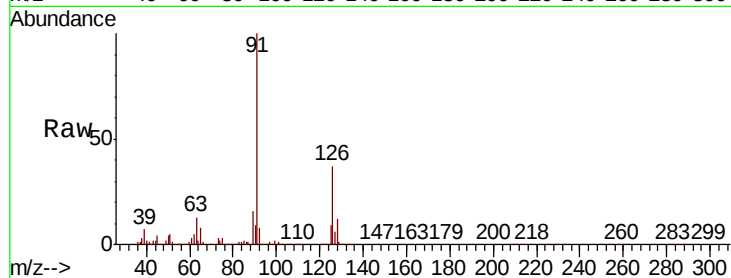
ClientSampleId :

Tot Ion: 91 Resp: 492029

Ion Ratio Lower Upper

91 100

126 37.0 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 22.136 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062678.D

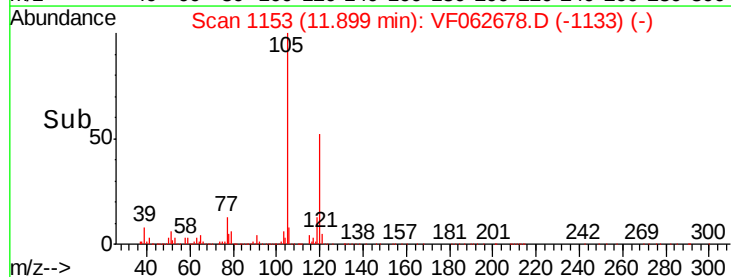
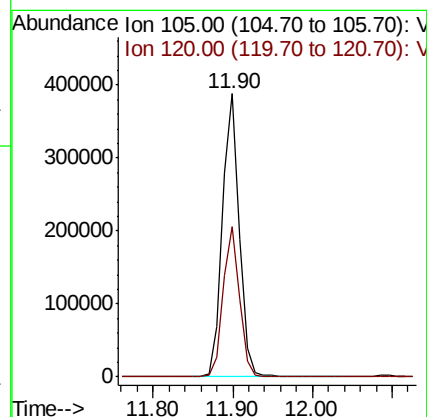
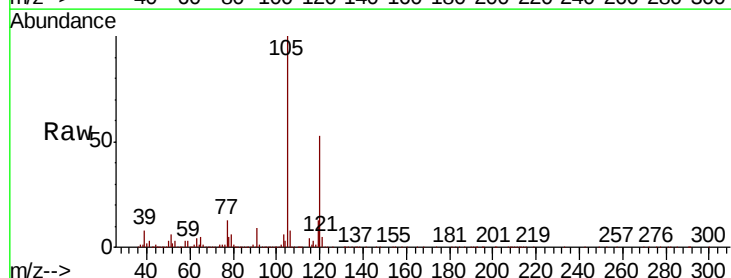
Acq: 21 May 2019 12:39

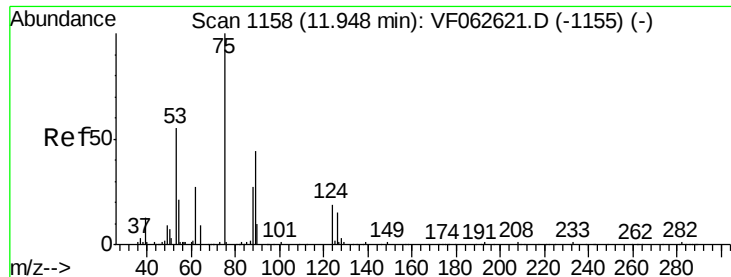
Tgt Ion: 105 Resp: 581486

Ion Ratio Lower Upper

105 100

120 52.9 28.7 86.3

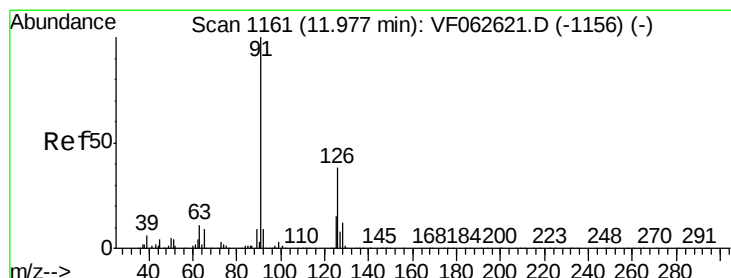
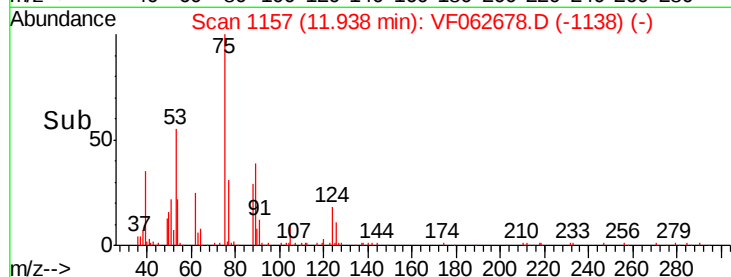
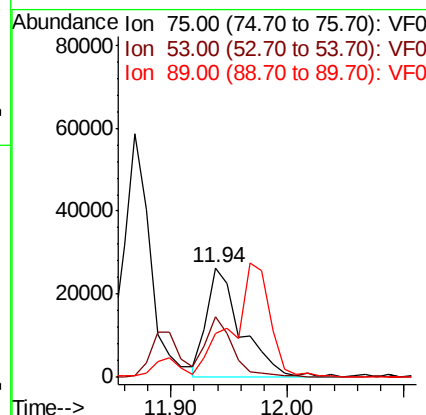
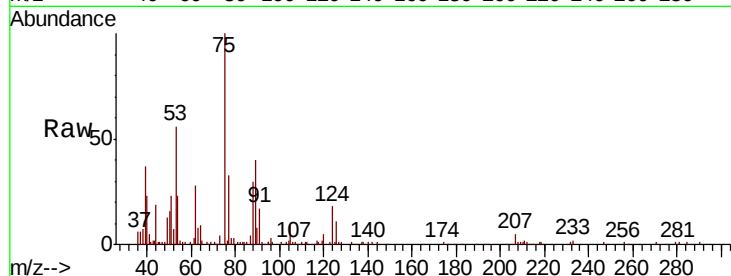




#81
trans-1,4-Dichloro-2-butene
Concen: 27.509 ug/l
RT: 11.94 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

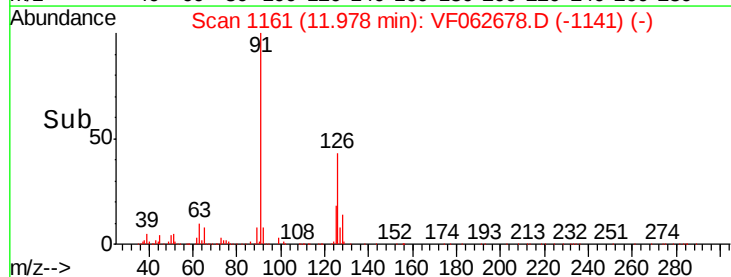
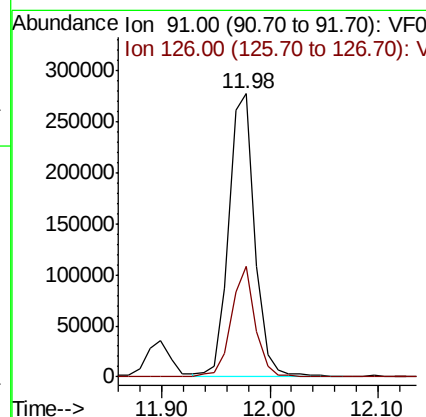
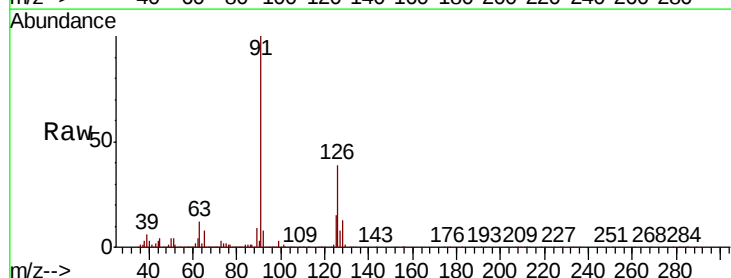
Instrument :
MSVOA_F
ClientSampleId :

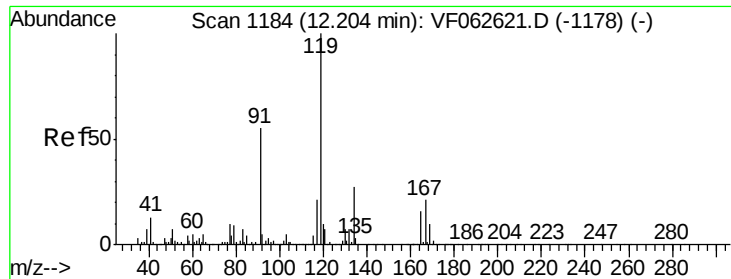
Tot Ion	Ratio	Lower	Upper
75	100		
53	55.7	46.9	70.3
89	39.9	36.4	54.6



#82
4-Chlorotoluene
Concen: 21.330 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	39.0	19.1	57.1





#83

tert-Butylbenzene

Concen: 23.442 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

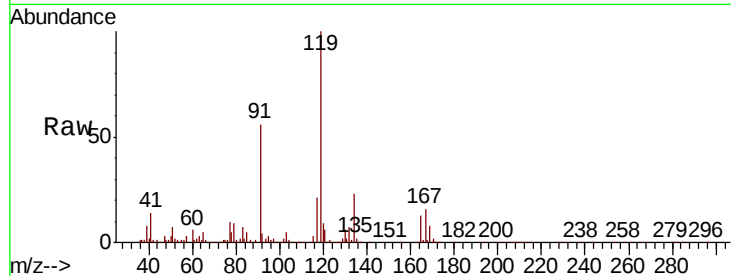
Tot Ion:119 Resp: 624748

Ion Ratio Lower Upper

119 100

91 55.5 27.3 81.9

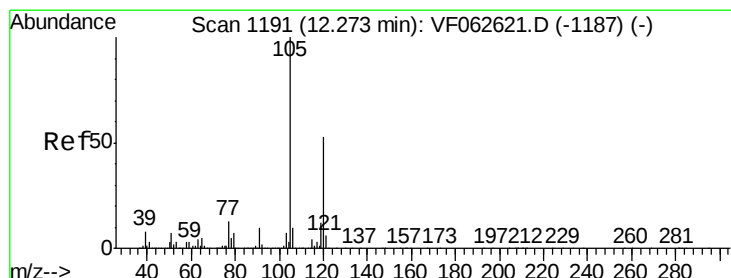
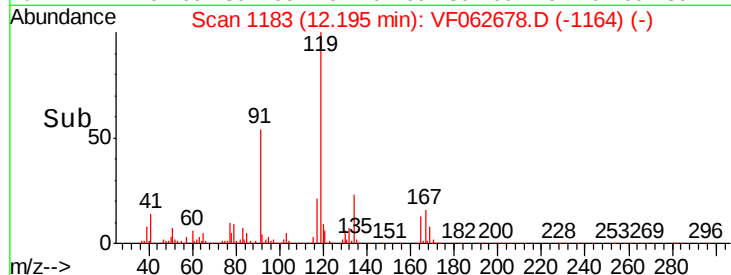
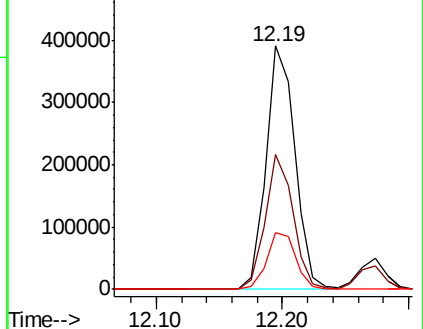
134 23.2 13.6 40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.412 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VF062678.D

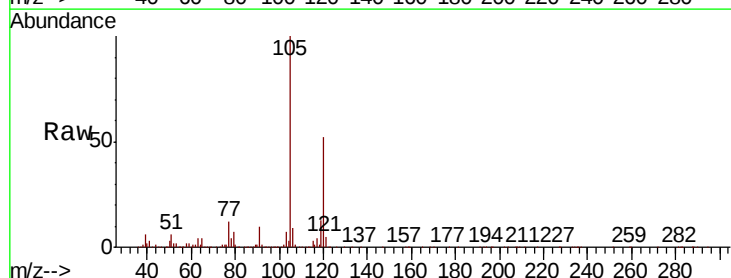
Acq: 21 May 2019 12:39

Tgt Ion:105 Resp: 569814

Ion Ratio Lower Upper

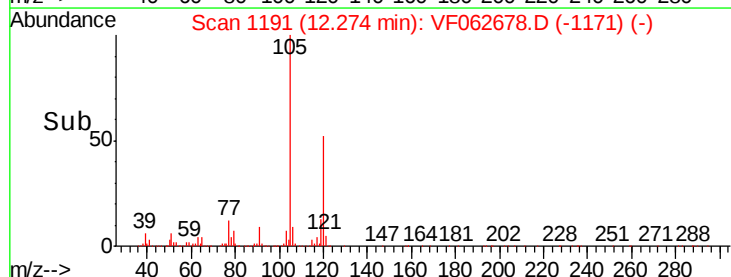
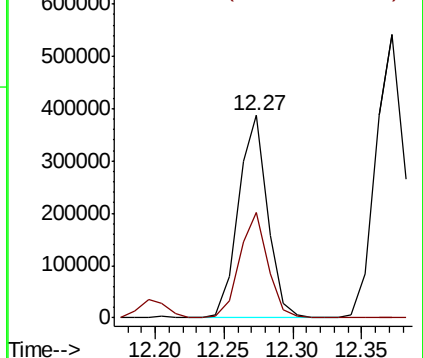
105 100

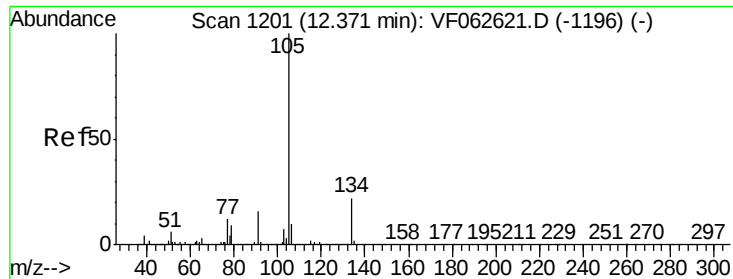
120 52.3 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.146 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA_F

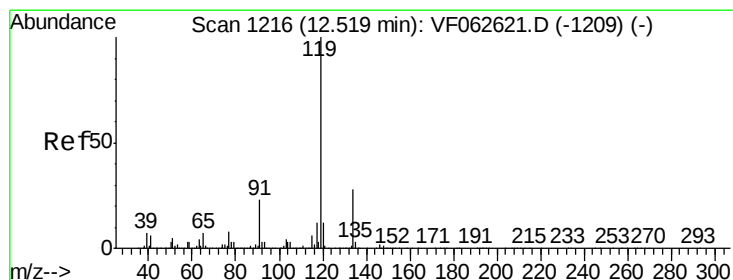
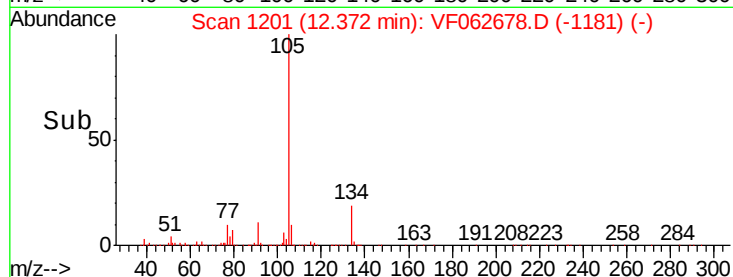
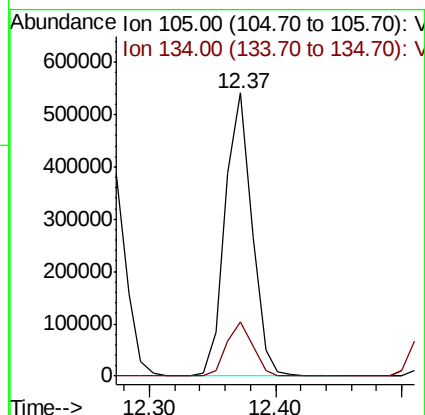
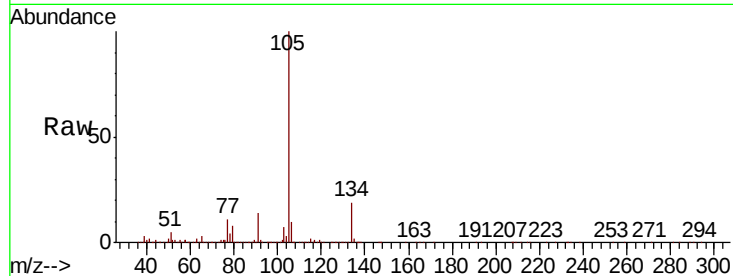
ClientSampleId :

Tot Ion:105 Resp: 792088

Ion Ratio Lower Upper

105 100

134 19.3 10.8 32.4



#86

p-Isopropyltoluene

Concen: 22.798 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

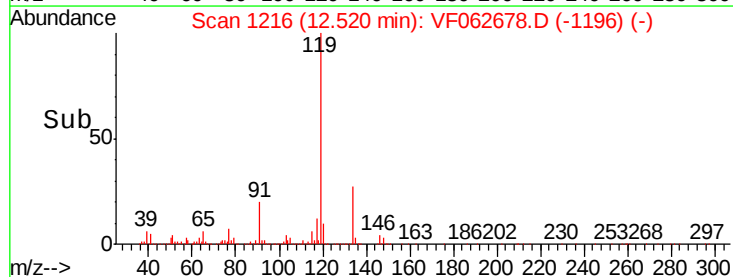
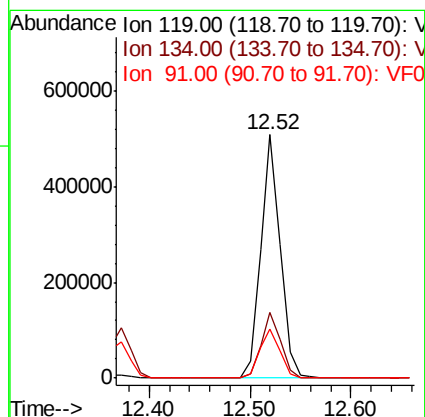
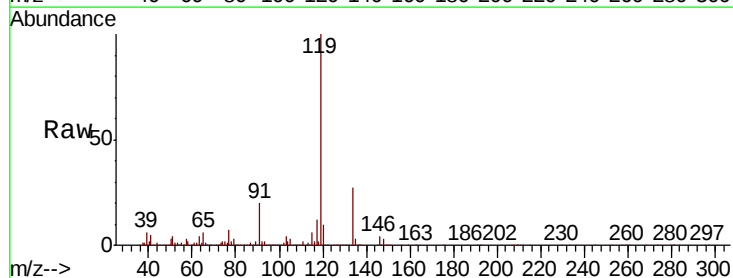
Tgt Ion:119 Resp: 687180

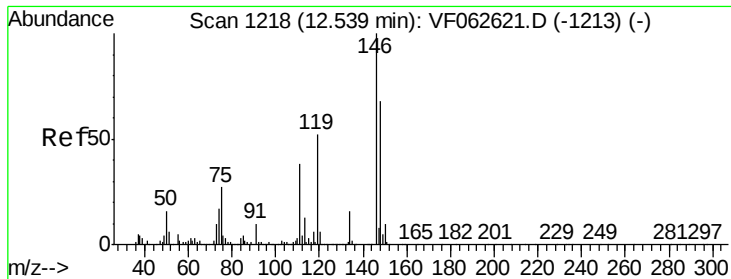
Ion Ratio Lower Upper

119 100

134 26.8 14.1 42.3

91 20.0 11.4 34.2

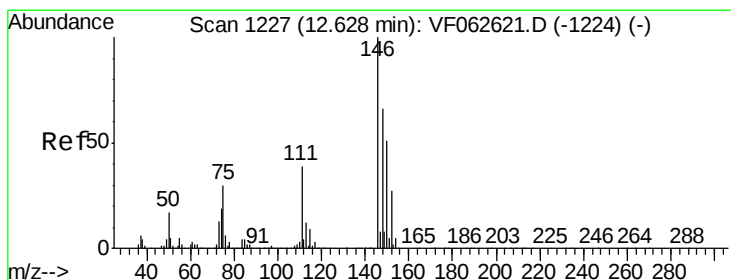
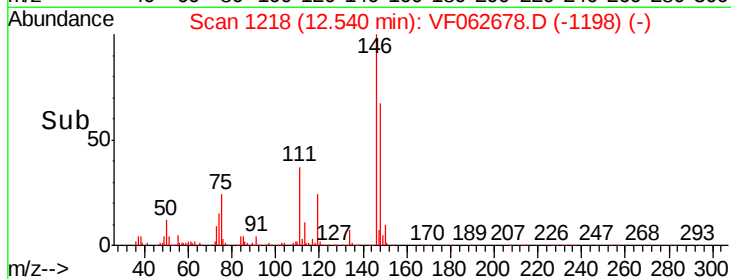
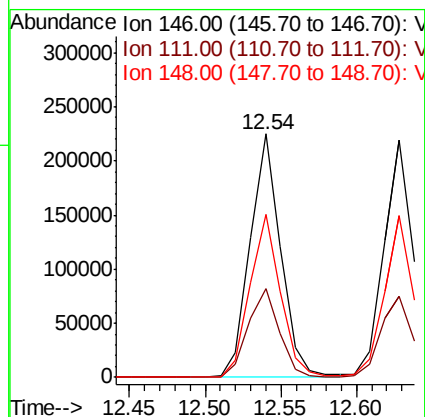
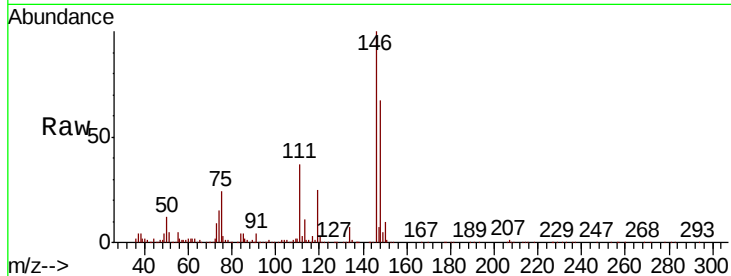




#87
 1,3-Dichlorobenzene
 Concen: 21.596 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062678.D
 Acq: 21 May 2019 12:39

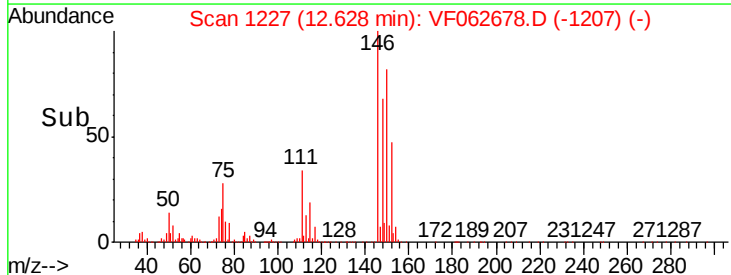
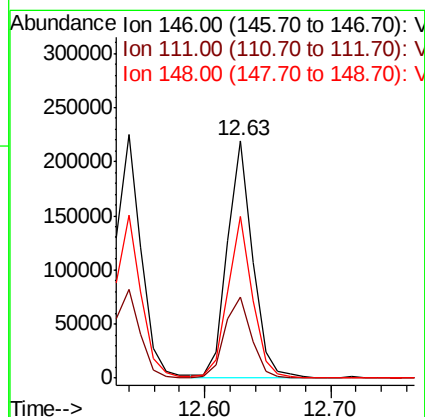
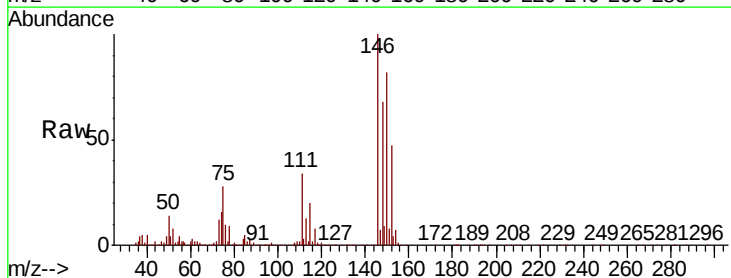
Instrument :
 MSVOA_F
 ClientSampleId :

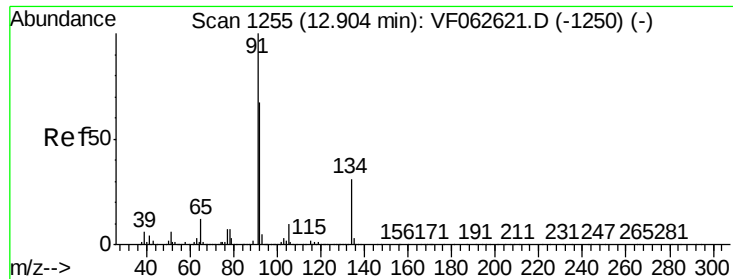
Tot Ion:146 Resp: 318172
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.9 56.9
 148 66.9 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 21.941 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062678.D
 Acq: 21 May 2019 12:39

Tgt Ion:146 Resp: 303348
 Ion Ratio Lower Upper
 146 100
 111 33.9 19.4 58.2
 148 68.1 33.2 99.6

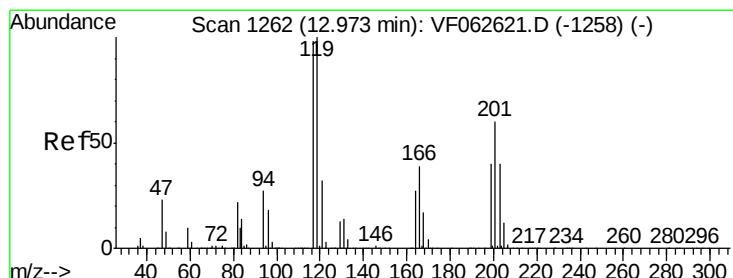
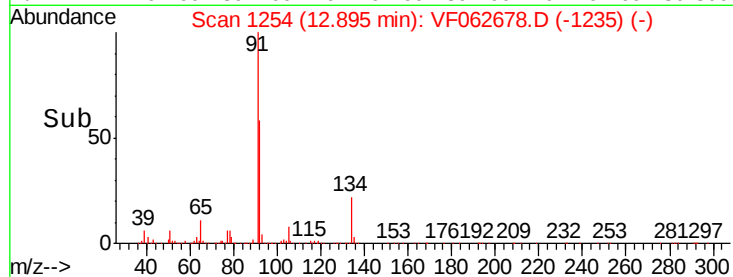
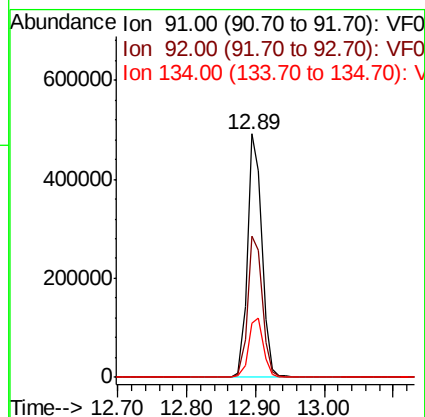
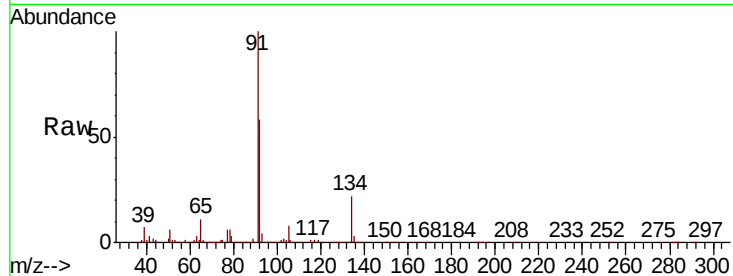




#89
n-Butylbenzene
Concen: 23.963 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

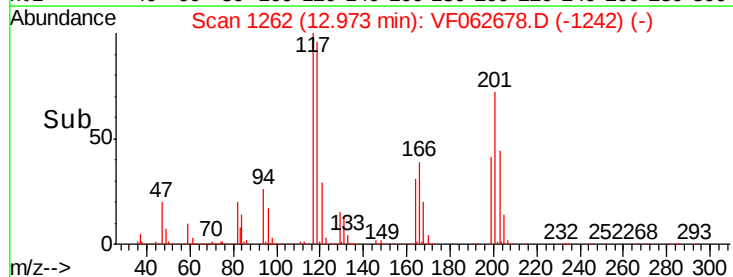
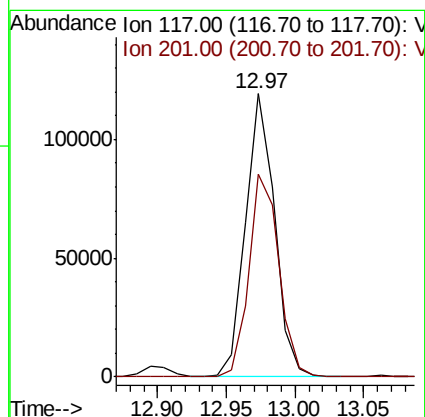
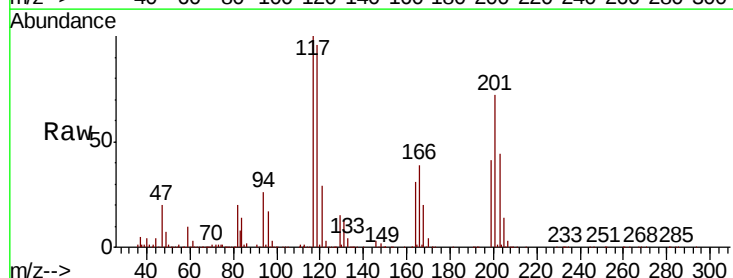
Instrument :
MSVOA_F
ClientSampleId :

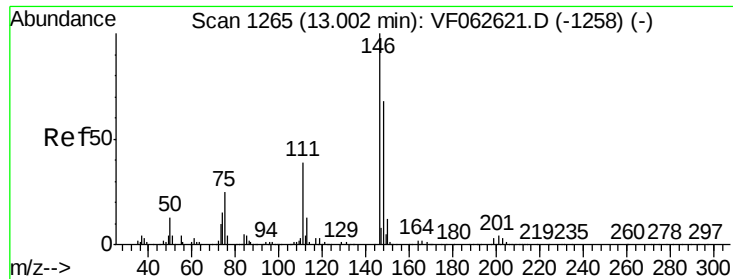
Tot Ion	Ratio	Lower	Upper
91	100		
92	57.9	33.3	99.8
134	22.2	15.4	46.4



#90
Hexachloroethane
Concen: 24.367 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062678.D
Acq: 21 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.6	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 22.869 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA_F

ClientSampled :

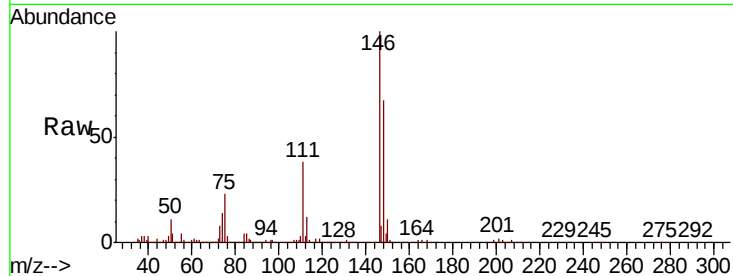
Tot Ion:146 Resp: 300332

Ion Ratio Lower Upper

146 100

111 37.7 19.8 59.3

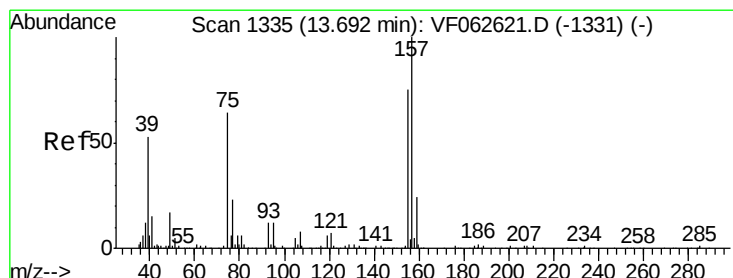
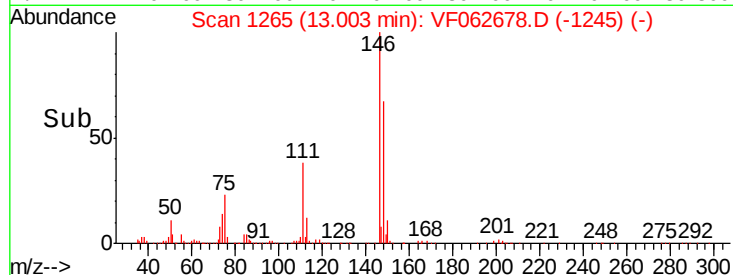
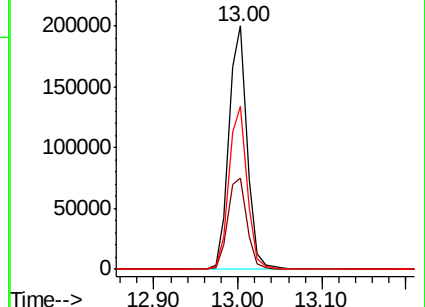
148 66.9 34.1 102.2



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: 26.988 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

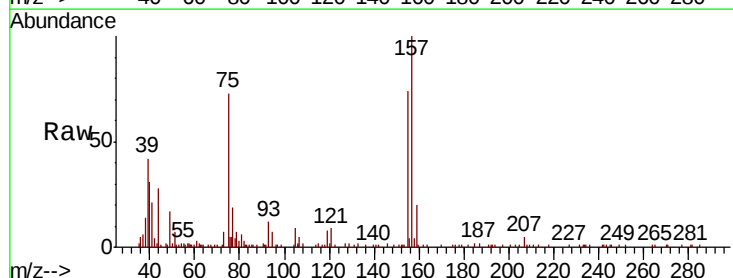
Tgt Ion: 75 Resp: 21555

Ion Ratio Lower Upper

75 100

155 101.6 58.1 174.3

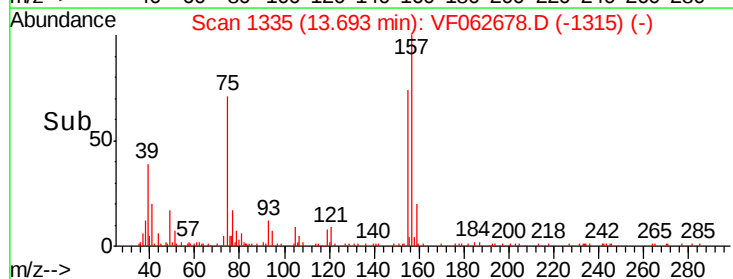
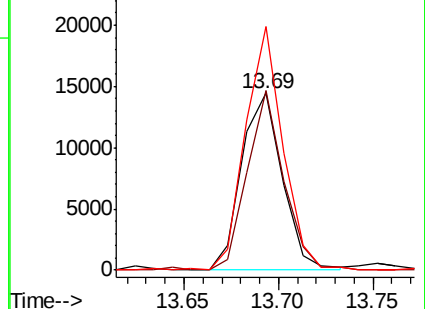
157 137.9 77.8 233.4

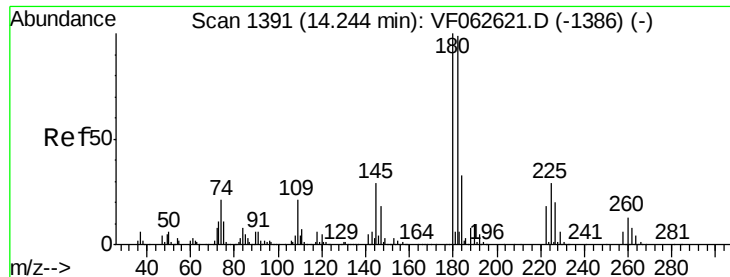


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

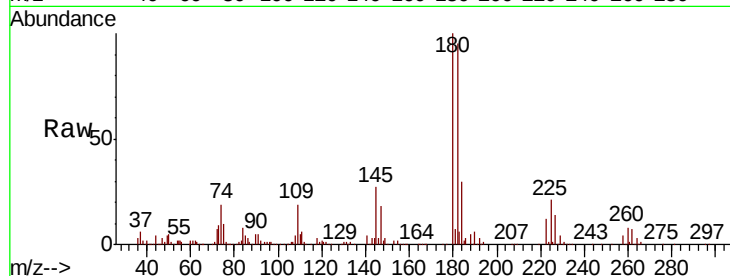




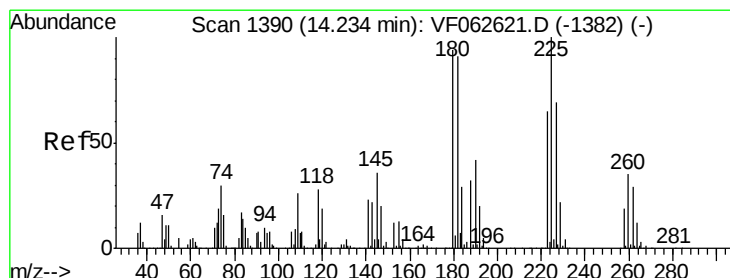
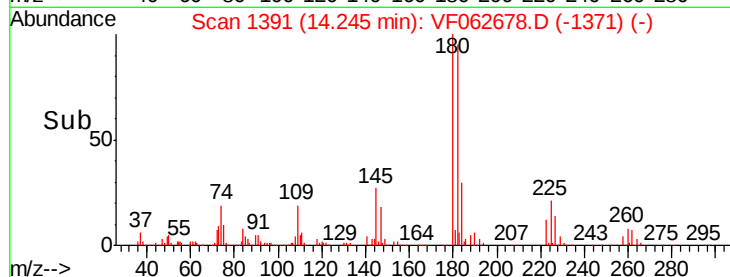
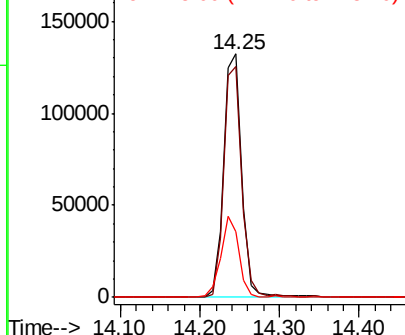
#93
 1,2,4-Trichlorobenzene
 Concen: 22.666 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062678.D
 Acq: 21 May 2019 12:39

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	49.7	149.1
145	27.1	14.6	44.0

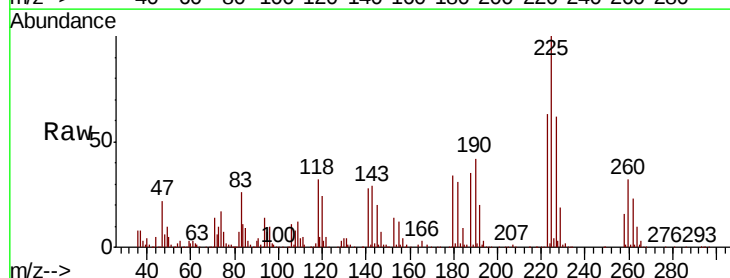


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

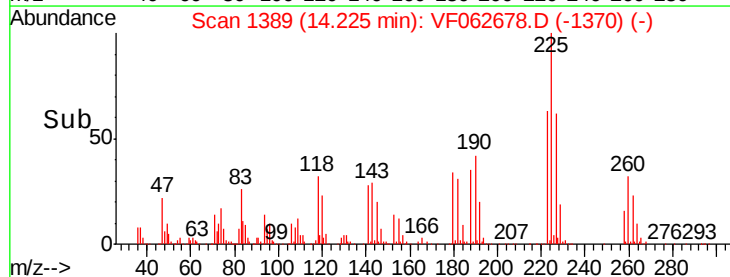
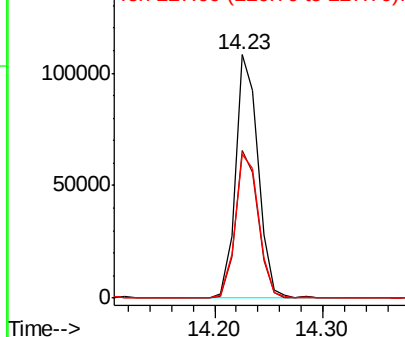


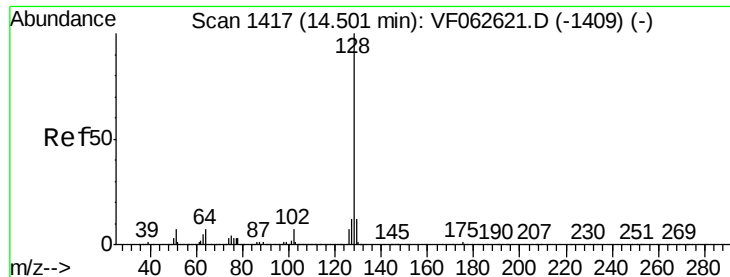
#94
 Hexachlorobutadiene
 Concen: 23.881 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062678.D
 Acq: 21 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	32.5	97.4
227	59.1	34.5	103.5



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: 20.043 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

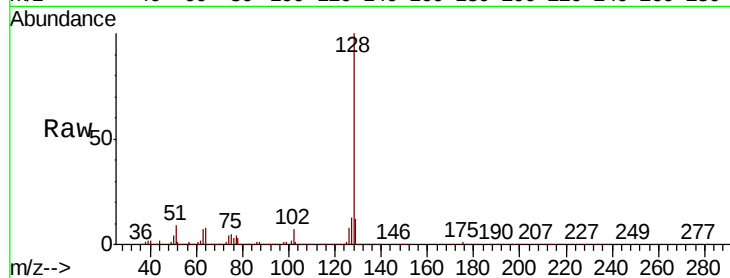
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:128 Resp: 342289

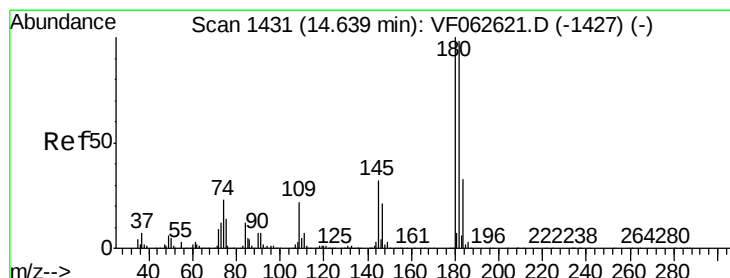
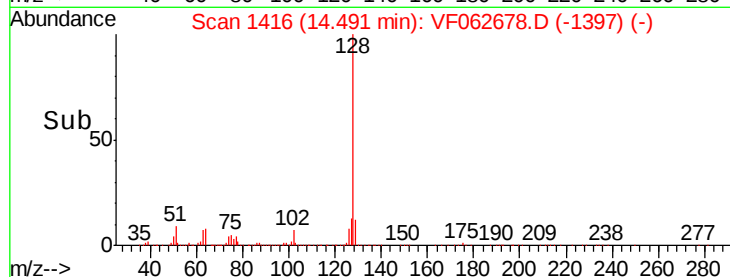
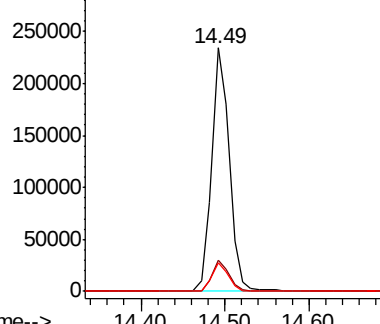
Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.7	14.5
129	11.9	9.3	13.9



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: 22.076 ug/l

RT: 14.64 min Scan# 1431

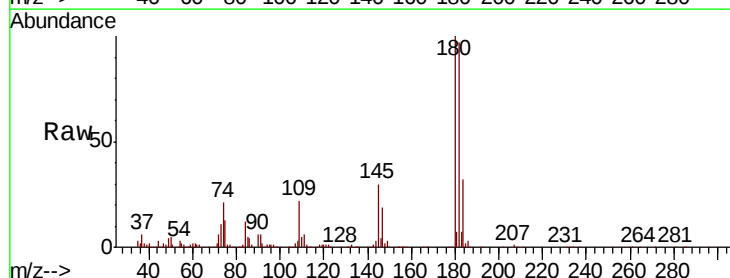
Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Tgt Ion:180 Resp: 196571

Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.9	146.7
145	29.9	16.1	48.2



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

