

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062561.D
 Acq On : 14 May 2019 1:15
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: May 14 07:06:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	330899	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	450830	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	379763	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	237460	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	168218	53.79	ug/l	0.03
Spiked Amount 50.000			Recovery =	107.58%		
35) Dibromofluoromethane	4.33	113	190700	53.09	ug/l	0.03
Spiked Amount 50.000			Recovery =	106.18%		
50) Toluene-d8	7.73	98	490525	56.42	ug/l	0.03
Spiked Amount 50.000			Recovery =	112.84%		
62) 4-Bromofluorobenzene	11.51	95	209918	53.52	ug/l	0.02
Spiked Amount 50.000			Recovery =	107.04%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	166715	43.533	ug/l	98
3) Chloromethane	1.15	50	115230	45.622	ug/l	98
4) Vinyl Chloride	1.20	62	118735	47.130	ug/l	90
5) Bromomethane	1.41	94	99713	52.584	ug/l	97
6) Chloroethane	1.46	64	64571	50.980	ug/l	100
7) Trichlorofluoromethane	1.56	101	270756	51.799	ug/l	96
8) Diethyl Ether	1.72	74	40596	51.328	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.92	101	159779	53.541	ug/l	97
10) Methyl Iodide	2.00	142	198689	40.402	ug/l	98
11) Tert butyl alcohol	2.71	59	37715	213.396	ug/l	99
12) 1,1-Dichloroethene	1.89	96	123836	48.812	ug/l	87
13) Acrolein	2.11	56	26972	246.608	ug/l	93
14) Allyl chloride	2.21	41	194866	86.953	ug/l	91
15) Acrylonitrile	3.10	53	92976	277.718	ug/l	97
16) Acetone	2.36	43	128360	202.910	ug/l	99
17) Carbon Disulfide	1.93	76	243944	44.099	ug/l	97
18) Methyl Acetate	2.48	43	62709	54.648	ug/l	95
19) Methyl tert-butyl Ether	2.56	73	269284	51.420	ug/l	98
20) Methylene Chloride	2.35	84	69463	30.350	ug/l	97
21) trans-1,2-Dichloroethene	2.44	96	112097	46.376	ug/l	94
22) Diisopropyl ether	2.95	45	370534	52.902	ug/l	99
23) Vinyl Acetate	3.37	43	782264	250.589	ug/l	99
24) 1,1-Dichloroethane	3.03	63	229648	54.249	ug/l	98
25) 2-Butanone	4.54	43	192229	241.874	ug/l	92
26) 2,2-Dichloropropane	3.79	77	135010	57.111	ug/l	99
27) cis-1,2-Dichloroethene	3.67	96	157491	52.125	ug/l	96
28) Bromochloromethane	3.93	49	105468	54.936	ug/l	96
29) Tetrahydrofuran	4.29	42	83357	228.211	ug/l	99
30) Chloroform	4.08	83	304187	53.188	ug/l	93
31) Cyclohexane	3.90	56	90700	26.843	ug/l	95
32) 1,1,1-Trichloroethane	4.31	97	267772	54.630	ug/l	99
36) 1,1-Dichloropropene	4.50	75	195427	50.462	ug/l	99
37) Ethyl Acetate	4.32	43	79571	53.088	ug/l #	100
38) Carbon Tetrachloride	4.22	117	237888	59.763	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	191246	49.239	ug/l	98
40) Benzene	4.85	78	454470	53.291	ug/l	96
41) Methacrylonitrile	4.96	41	42999	46.304	ug/l	99
42) 1,2-Dichloroethane	5.15	62	192194	53.885	ug/l	98
43) Isopropyl Acetate	7.13	43	84632	48.044	ug/l #	98
44) Trichloroethene	5.71	130	164585	52.536	ug/l	100
45) 1,2-Dichloropropane	6.43	63	104827	54.268	ug/l	91
46) Dibromomethane	6.29	93	84540	52.786	ug/l	98
47) Bromodichloromethane	6.57	83	217934	54.426	ug/l	97
48) Methyl methacrylate	6.90	41	57775	46.411	ug/l	92
49) 1,4-Dioxane	6.89	88	12415	969.283	ug/l	84
51) 4-Methyl-2-Pentanone	8.42	43	348300	260.939	ug/l	99
52) Toluene	7.80	92	275403	52.347	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	155247	51.262	ug/l	100
54) cis-1,3-Dichloropropene	7.48	75	182972	51.912	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	93964	56.261	ug/l	94
56) Ethyl methacrylate	8.78	69	88461	50.177	ug/l	98
57) 1,3-Dichloropropane	9.02	76	138290	54.817	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	126092	237.894	ug/l	97
59) 2-Hexanone	9.64	43	230032	249.183	ug/l	99
60) Dibromochloromethane	8.88	129	153989	56.374	ug/l	100
61) 1,2-Dibromoethane	9.15	107	104657	53.317	ug/l	100
64) Tetrachloroethene	8.33	164	161431	52.361	ug/l	98
65) Chlorobenzene	9.95	112	348682	55.492	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	173030	54.587	ug/l	97
67) Ethyl Benzene	10.05	91	601760	54.692	ug/l	97
68) m/p-Xylenes	10.28	106	443861	109.335	ug/l	97
69) o-Xylene	10.83	106	251675	57.372	ug/l	98
70) Styrene	10.91	104	372513	56.661	ug/l	98
71) Bromoform	10.89	173	93109	53.616	ug/l #	99
73) Isopropylbenzene	11.22	105	772091	54.846	ug/l	99
74) N-amyl acetate	11.46	43	154678	51.180	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	122797	55.711	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	92161	54.804	ug/l #	100
77) Bromobenzene	11.59	156	200533	54.277	ug/l	98
78) n-propylbenzene	11.69	91	809173	53.989	ug/l	100
79) 2-Chlorotoluene	11.81	91	494441	53.054	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	652081	52.848	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	45476	71.943	ug/l #	67
82) 4-Chlorotoluene	11.98	91	481996	52.364	ug/l	99
83) tert-Butylbenzene	12.21	119	687723	53.035	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	657631	54.462	ug/l	95
85) sec-Butylbenzene	12.38	105	863563	54.712	ug/l	99
86) p-Isopropyltoluene	12.53	119	792856	54.066	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	349771	51.836	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	347133	53.302	ug/l	99
89) n-Butylbenzene	12.91	91	698742	53.556	ug/l	100
90) Hexachloroethane	12.98	117	200288	54.700	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	360210	55.153	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	24814	50.250	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

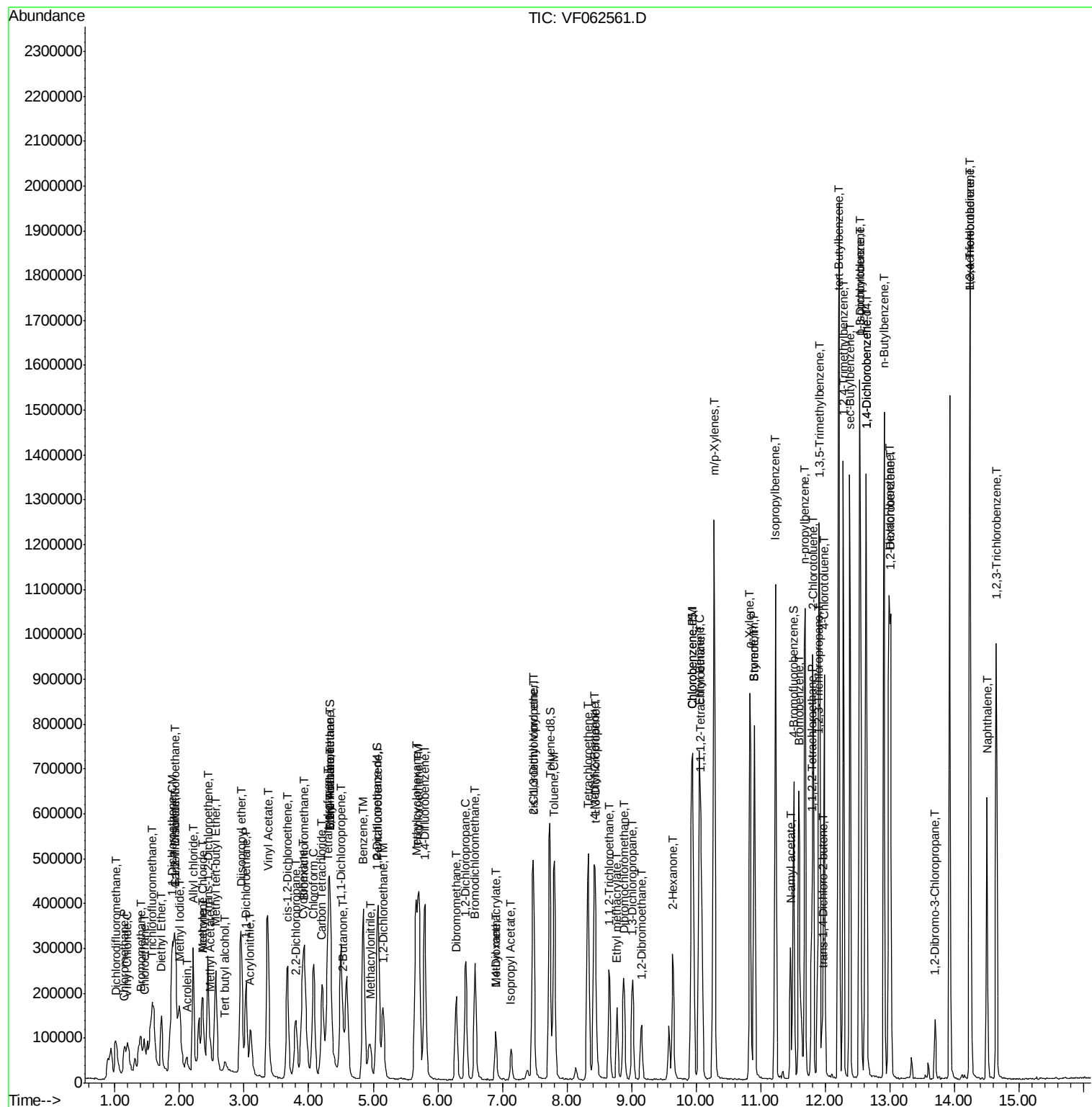
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	301850	51.527	ug/l	99
94) Hexachlorobutadiene	14.24	225	233205	53.411	ug/l	97
95) Naphthalene	14.51	128	479406	54.434	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	296184	52.188	ug/l	99

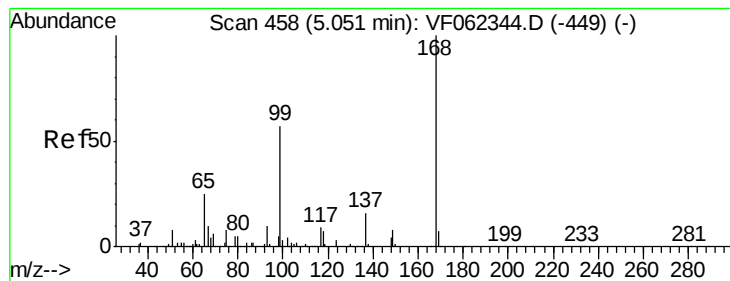
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 462

Delta R.T. 0.03 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

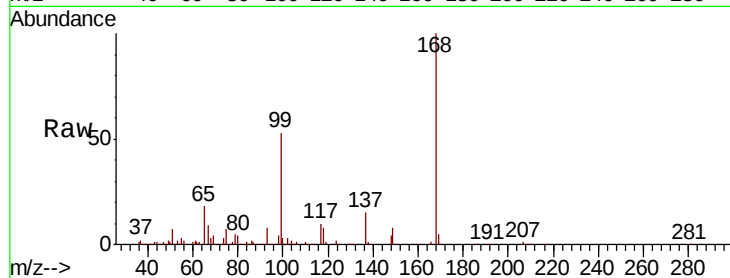
VSTDCCC050

Tot Ion:168 Resp: 330899

Ion Ratio Lower Upper

168 100

99 52.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.08

120000

100000

80000

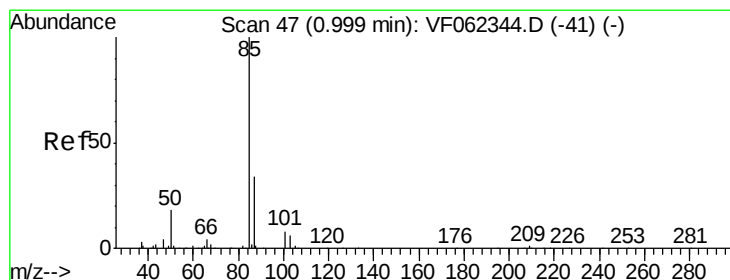
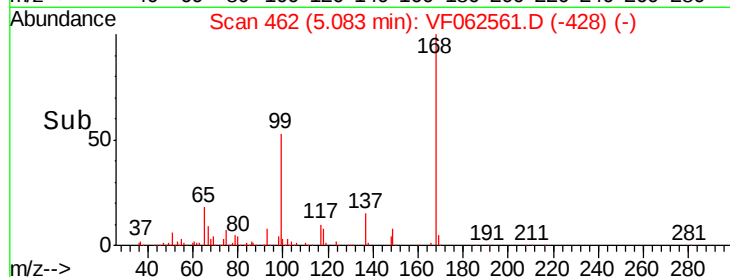
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 43.533 ug/l

RT: 1.01 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062561.D

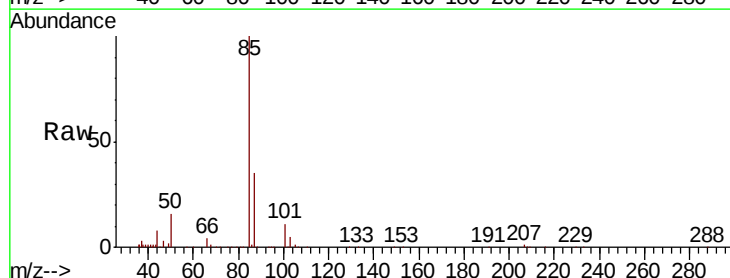
Acq: 14 May 2019 1:15

Tgt Ion: 85 Resp: 166715

Ion Ratio Lower Upper

85 100

87 34.7 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

50000

40000

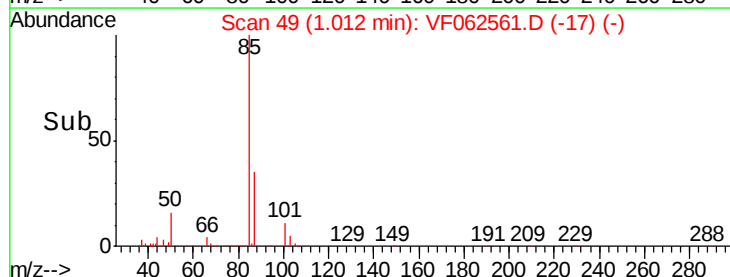
30000

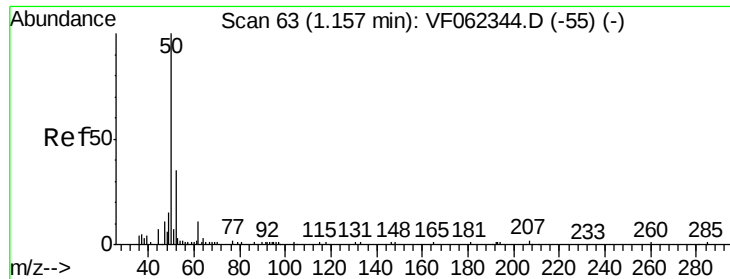
20000

10000

0

Time--> 0.80 1.00 1.20





#3

Chloromethane

Concen: 45.622 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

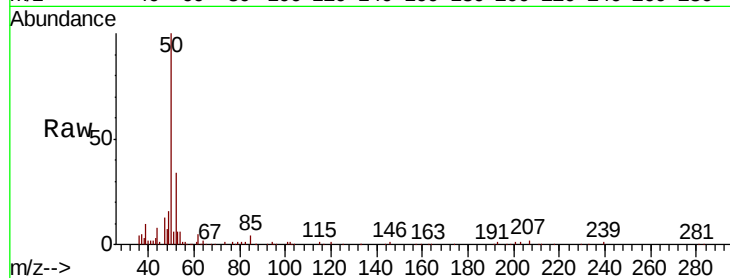
VSTDCCC050

Tot Ion: 50 Resp: 115230

Ion Ratio Lower Upper

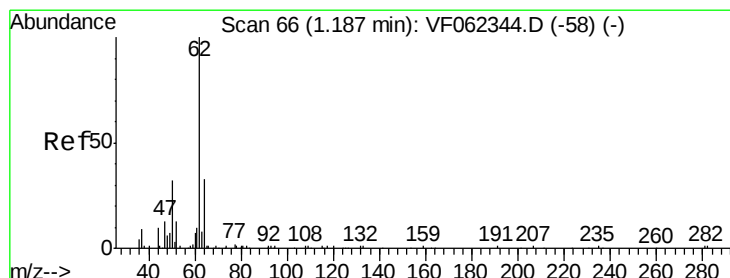
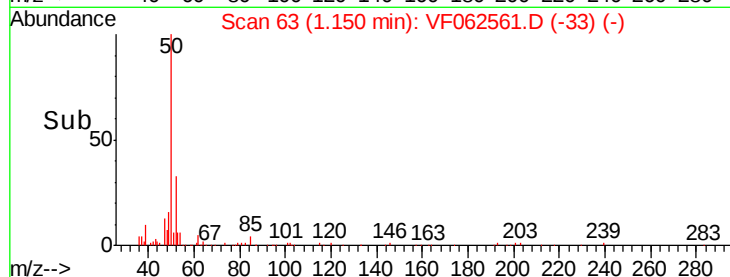
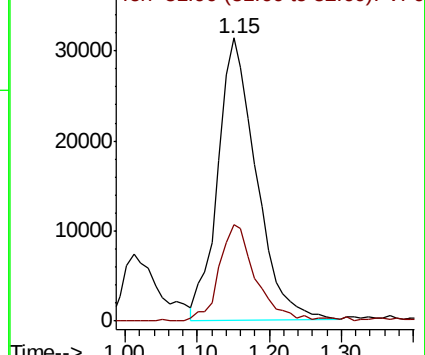
50 100

52 33.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0



#4

Vinyl Chloride

Concen: 47.130 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062561.D

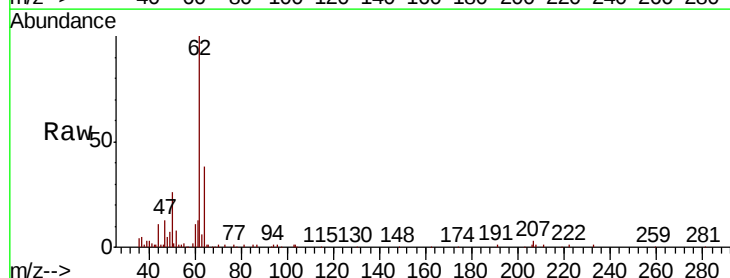
Acq: 14 May 2019 1:15

Tgt Ion: 62 Resp: 118735

Ion Ratio Lower Upper

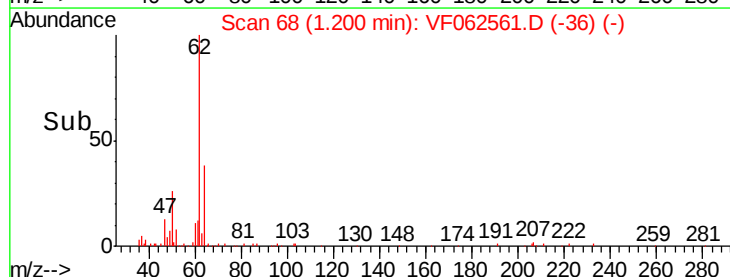
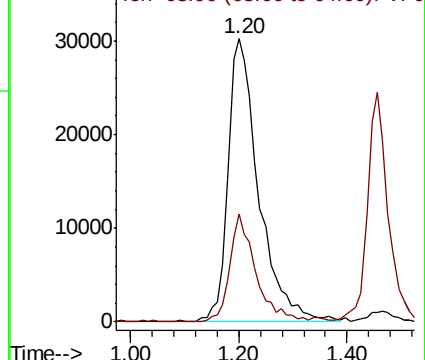
62 100

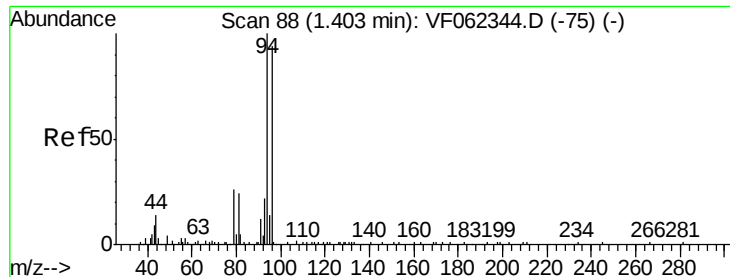
64 38.0 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0





#5

Bromomethane

Concen: 52.584 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.00 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

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ClientSampleId :

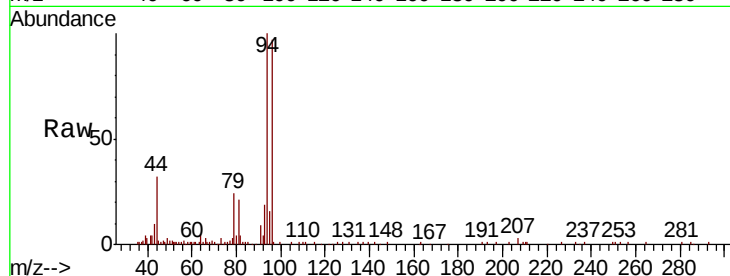
VSTDCCC050

Tot Ion: 94 Resp: 99713

Ion Ratio Lower Upper

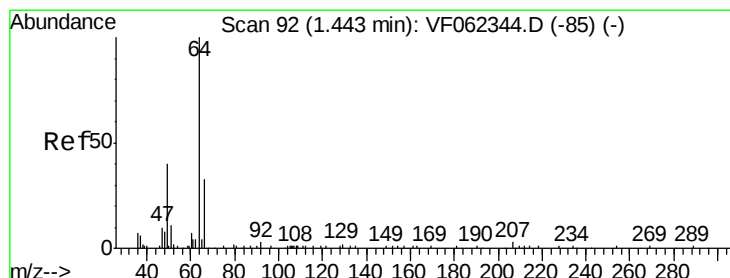
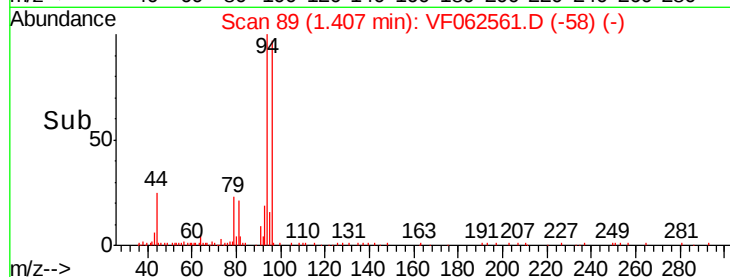
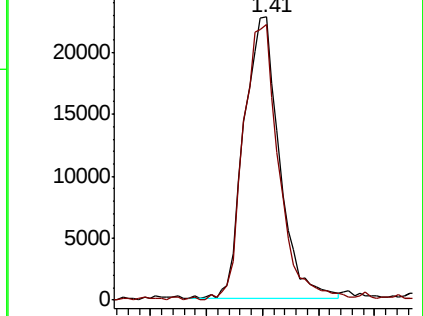
94 100

96 97.3 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 50.980 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.01 min

Lab File: VF062561.D

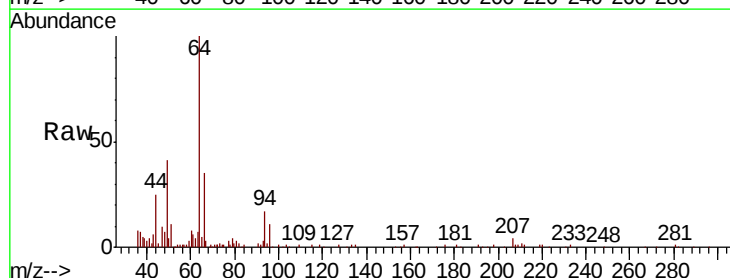
Acq: 14 May 2019 1:15

Tgt Ion: 64 Resp: 64571

Ion Ratio Lower Upper

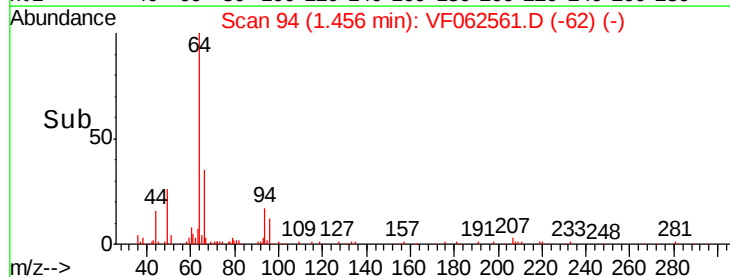
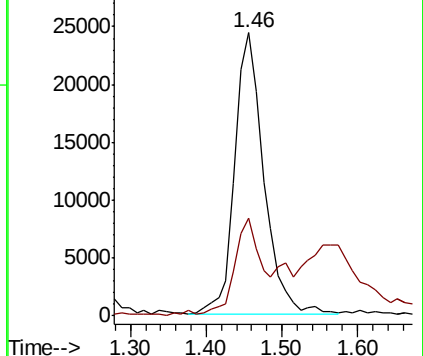
64 100

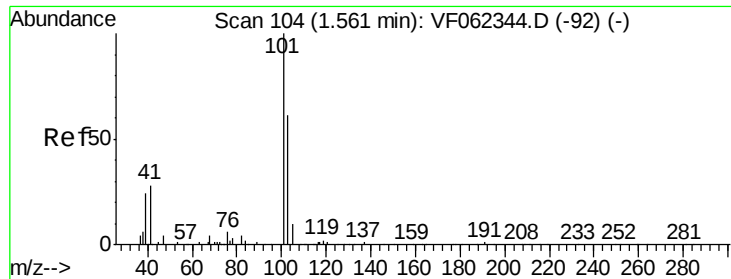
66 33.1 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



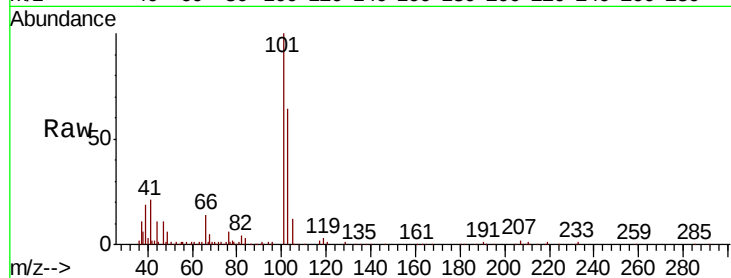


#7

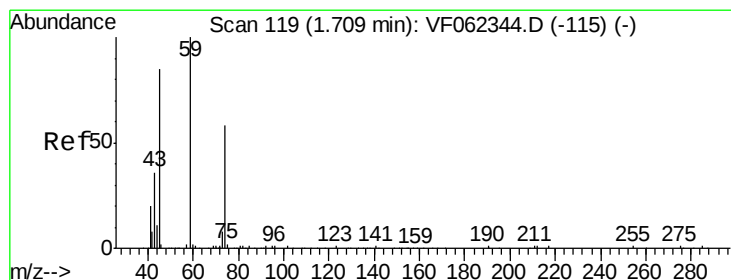
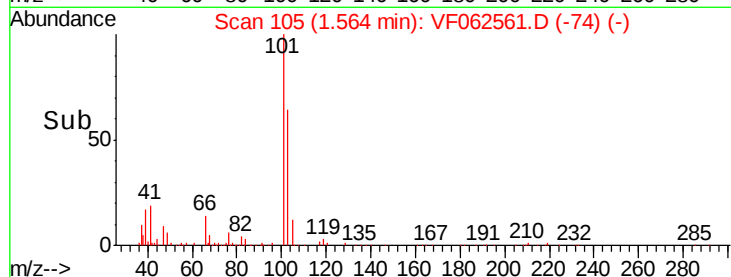
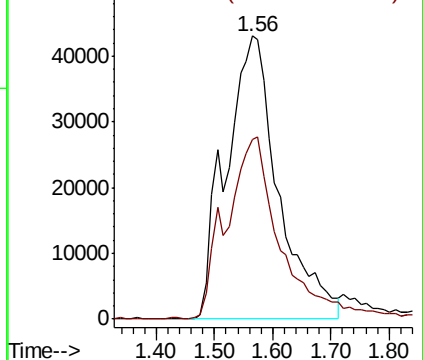
Trichlorofluoromethane
Concen: 51.799 ug/l
RT: 1.56 min Scan# 105
Delta R.T. 0.00 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

Instrument :
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Tot Ion:101 Resp: 270756
Ion Ratio Lower Upper
101 100
103 63.6 48.5 72.7



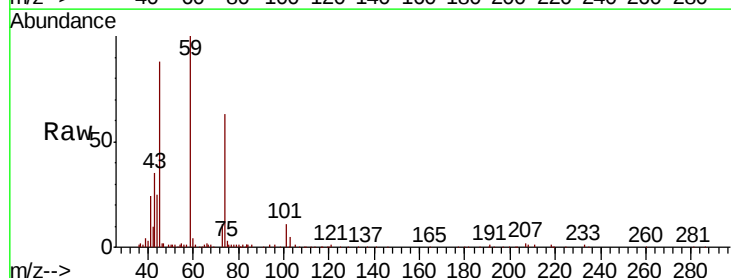
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



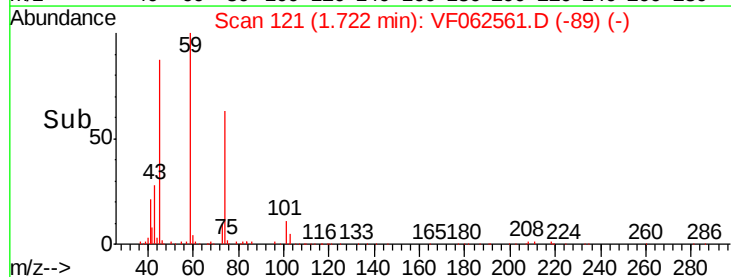
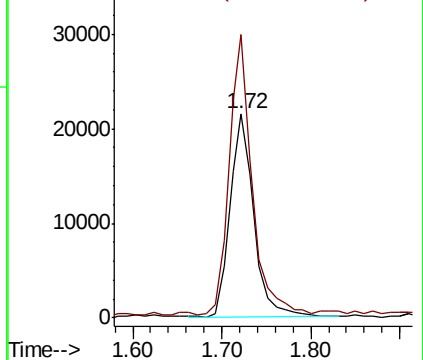
#8

Diethyl Ether
Concen: 51.328 ug/l
RT: 1.72 min Scan# 121
Delta R.T. 0.01 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

Tgt Ion: 74 Resp: 40596
Ion Ratio Lower Upper
74 100
45 133.6 73.9 221.6



Abundance Ion 74.00 (73.70 to 74.70): VF0
Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.541 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

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VSTDCCC050

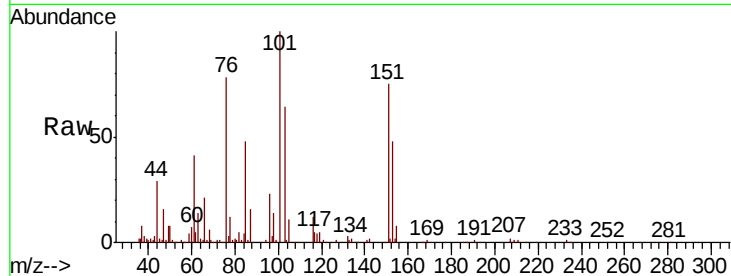
Tot Ion:101 Resp: 159779

Ion Ratio Lower Upper

101 100

85 49.0 39.5 59.3

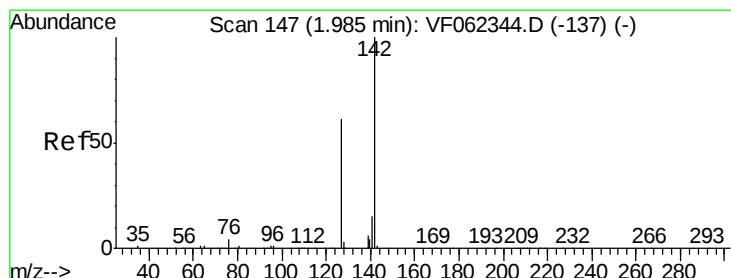
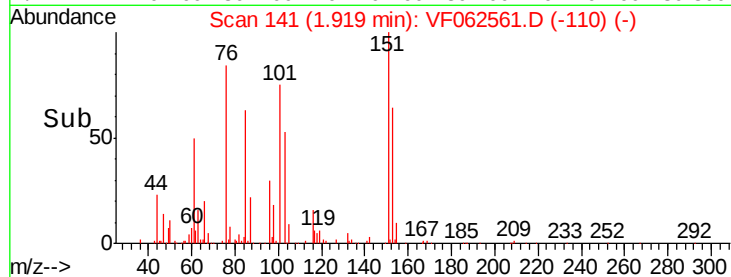
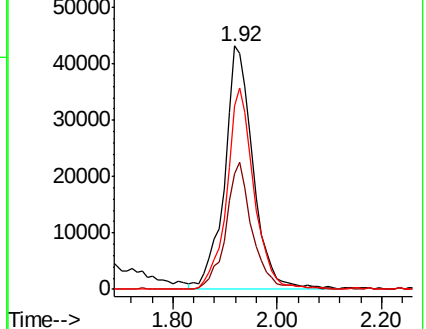
151 78.9 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.402 ug/l

RT: 2.00 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

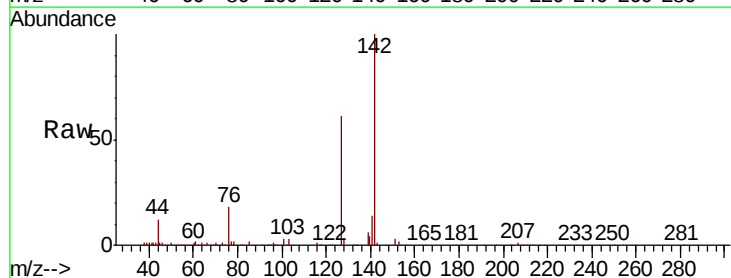
Tgt Ion:142 Resp: 198689

Ion Ratio Lower Upper

142 100

127 61.5 48.4 72.6

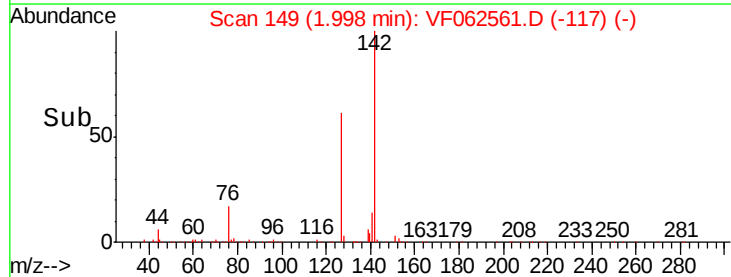
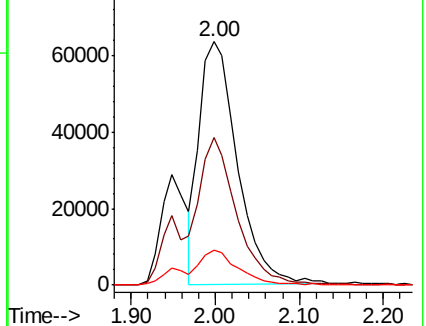
141 14.4 12.2 18.4

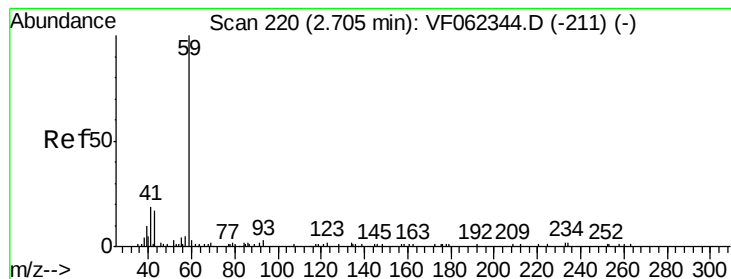


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



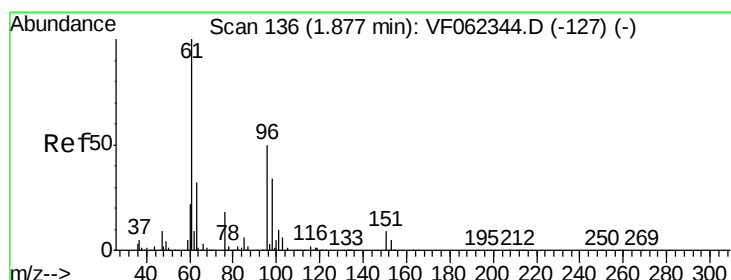
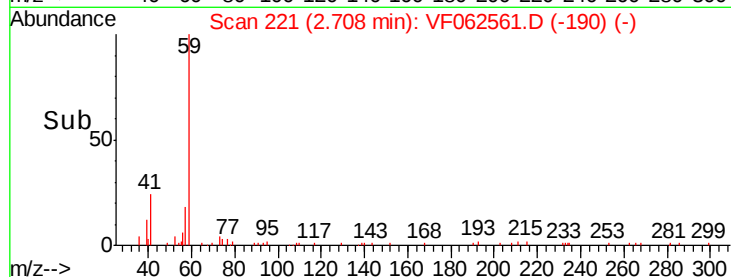
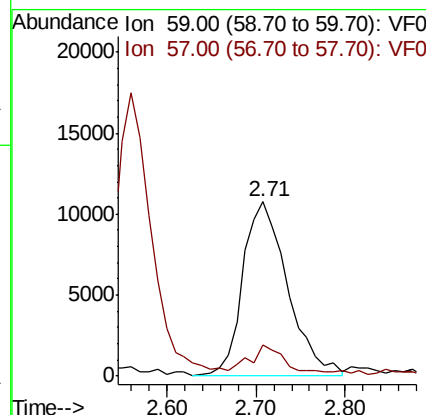
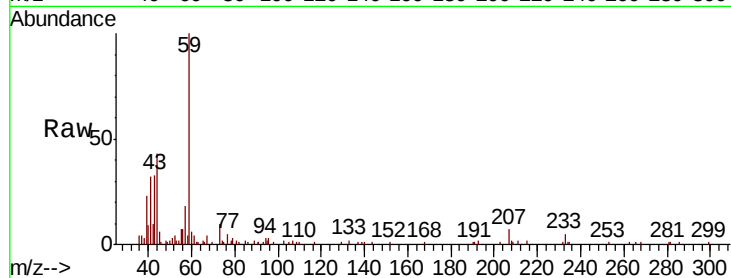


#11

Tert butyl alcohol
 Concen: 213.396 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VF062561.D
 Acq: 14 May 2019 1:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

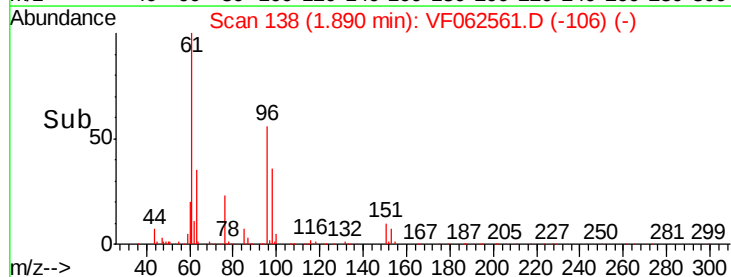
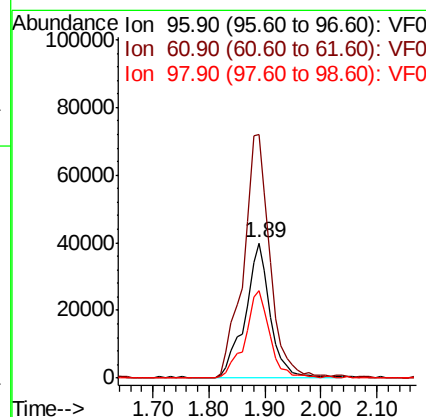
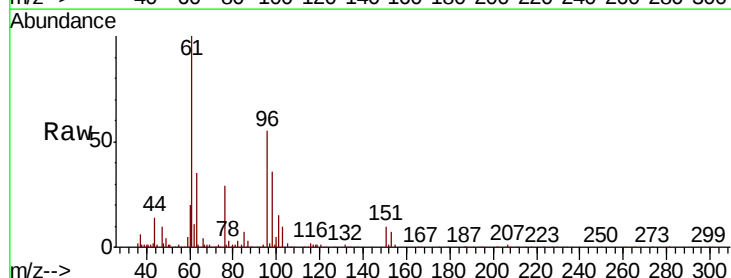
Tot Ion: 59 Resp: 37715
 Ion Ratio Lower Upper
 59 100
 57 11.2 9.3 13.9

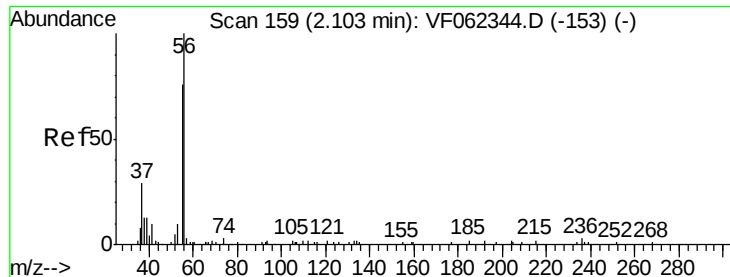


#12

1,1-Dichloroethene
 Concen: 48.812 ug/l
 RT: 1.89 min Scan# 138
 Delta R.T. 0.01 min
 Lab File: VF062561.D
 Acq: 14 May 2019 1:15

Tgt Ion: 96 Resp: 123836
 Ion Ratio Lower Upper
 96 100
 61 179.8 163.2 244.8
 98 64.3 55.2 82.8





#13

Acrolein

Concen: 246.608 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

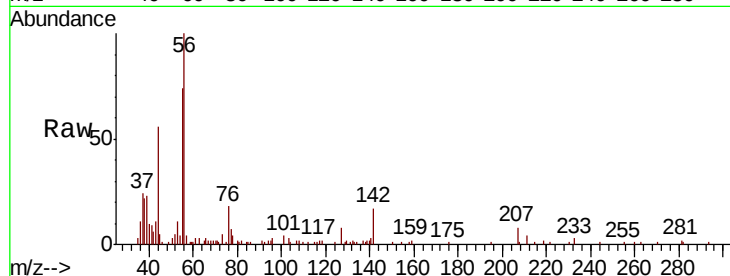
VSTDCCC050

Tot Ion: 56 Resp: 26972

Ion Ratio Lower Upper

56 100

55 79.2 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.11

12000

10000

8000

6000

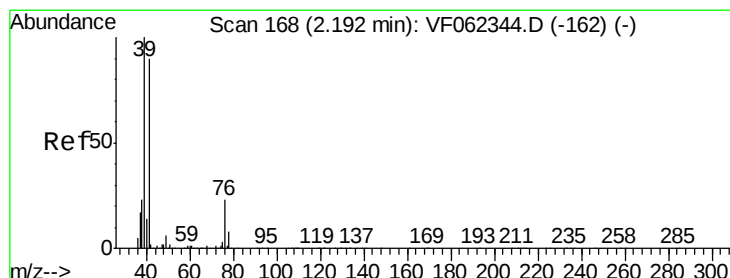
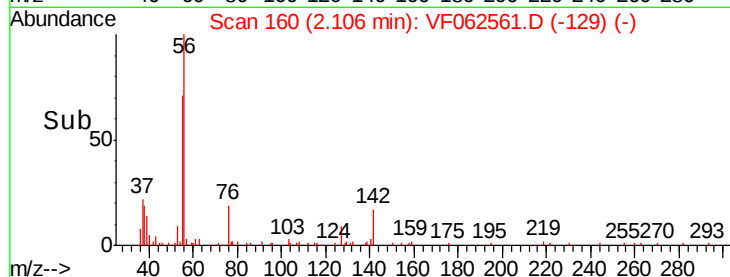
4000

2000

0

Time-->

2.00 2.10 2.20 2.30



#14

Allyl chloride

Concen: 86.953 ug/l

RT: 2.21 min Scan# 171

Delta R.T. 0.02 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

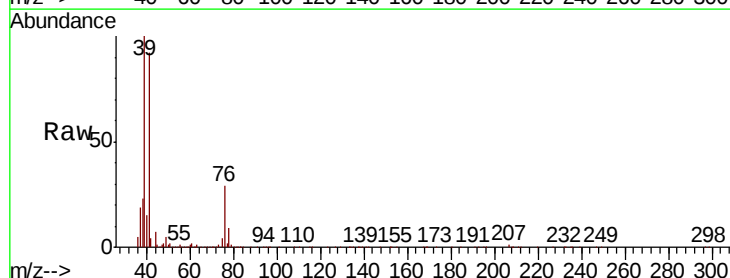
Tgt Ion: 41 Resp: 194866

Ion Ratio Lower Upper

41 100

39 102.8 90.8 136.2

76 31.2 22.2 33.4



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 75.90 (75.60 to 76.60): VF0

120000

100000

80000

60000

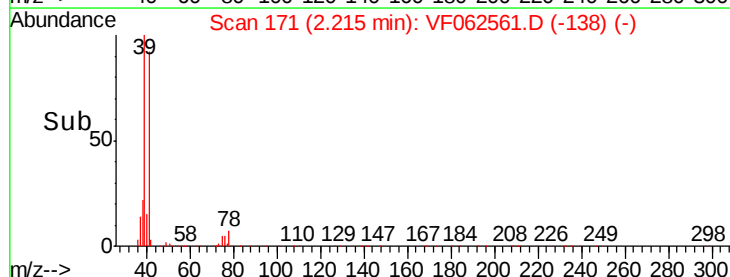
40000

20000

0

Time-->

2.20 2.40





#15

Acrylonitrile

Concen: 277.718 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

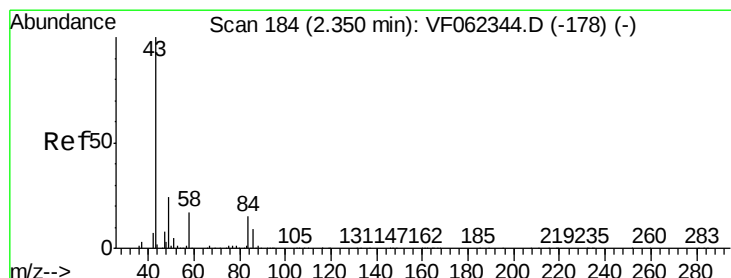
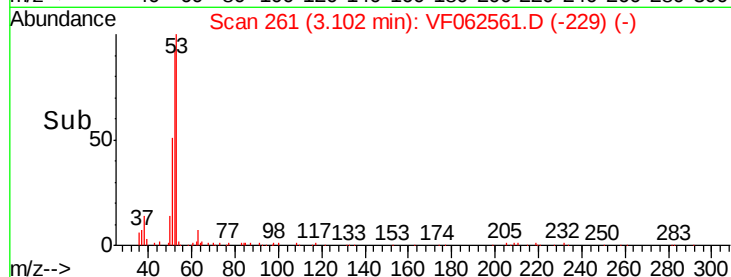
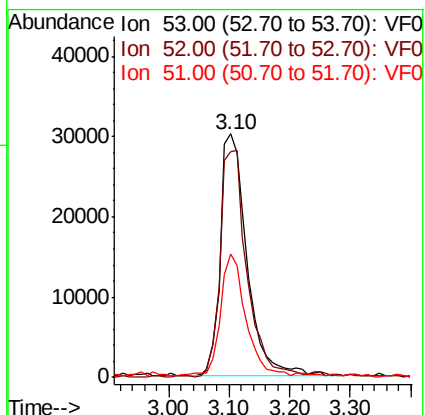
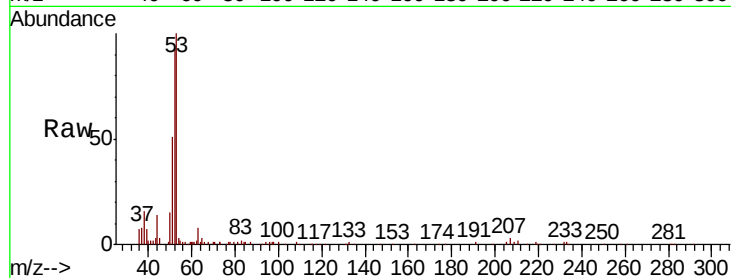
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 92976

Ion	Ratio	Lower	Upper
53	100		
52	94.2	77.2	115.8
51	47.2	40.6	61.0



#16

Acetone

Concen: 202.910 ug/l

RT: 2.36 min Scan# 186

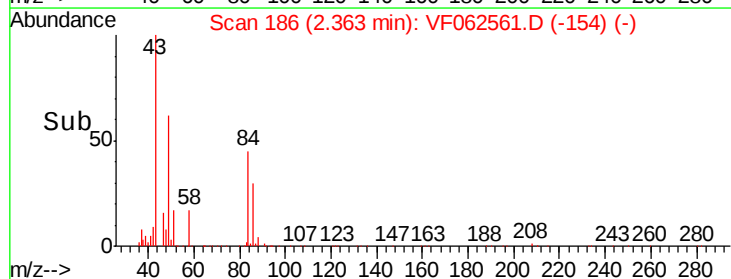
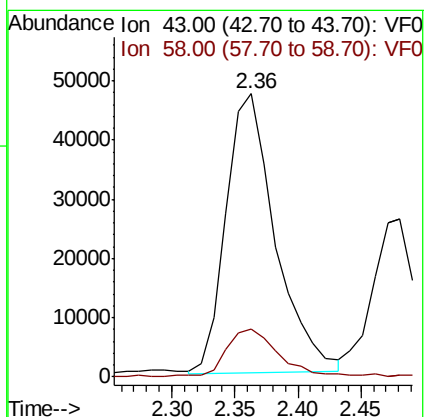
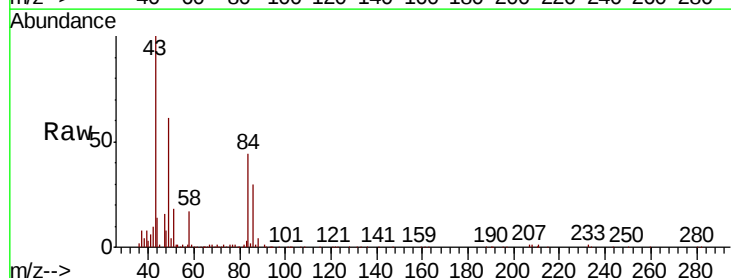
Delta R.T. 0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Tgt Ion: 43 Resp: 128360

Ion	Ratio	Lower	Upper
43	100		
58	17.0	13.1	19.7

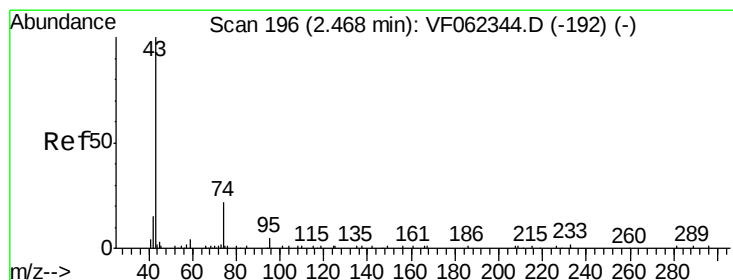
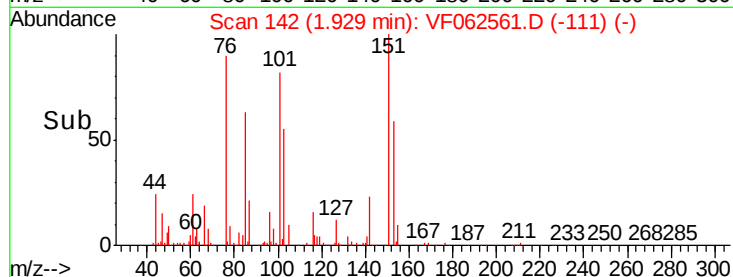
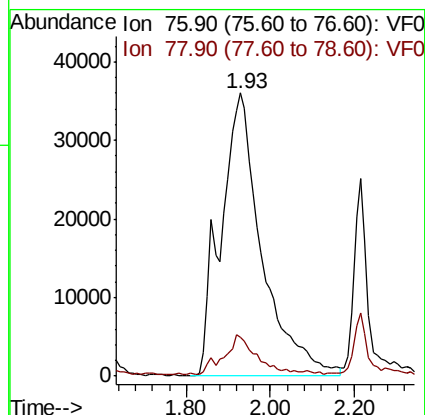
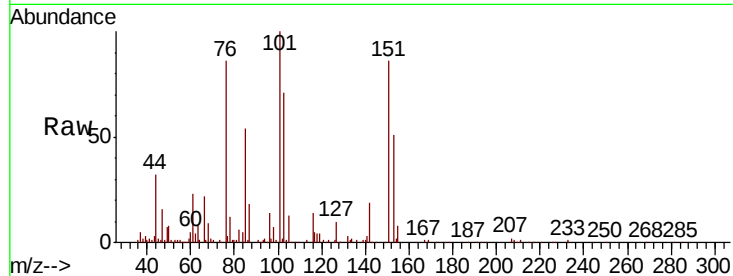




#17
Carbon Disulfide
Concen: 44.099 ug/l
RT: 1.93 min Scan# 142
Delta R.T. 0.00 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

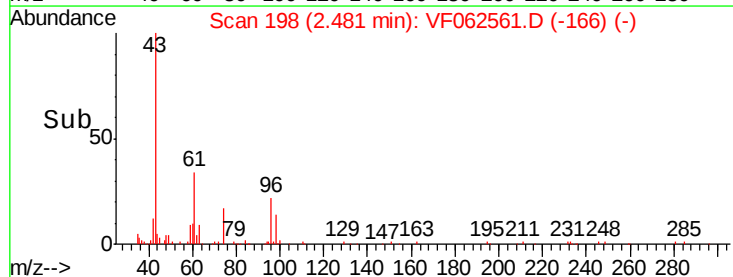
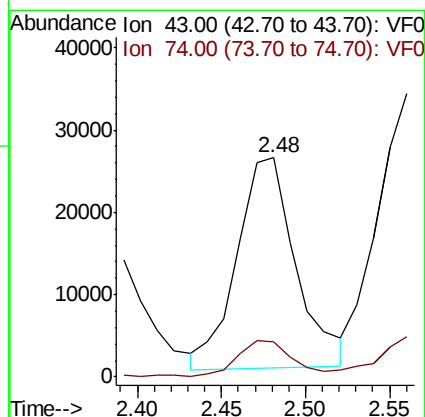
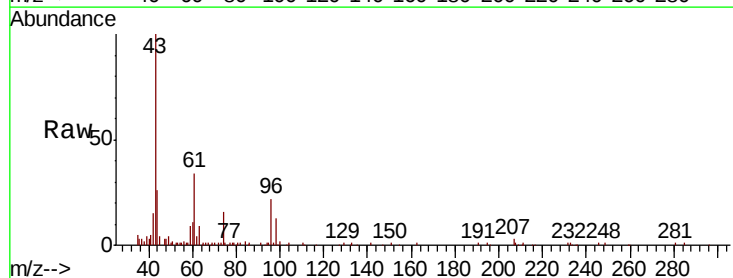
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

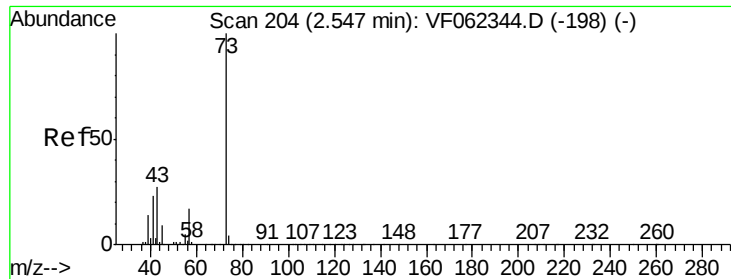
Tot Ion: 76 Resp: 243944
Ion Ratio Lower Upper
76 100
78 12.5 9.0 13.4



#18
Methyl Acetate
Concen: 54.648 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.01 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

Tgt Ion: 43 Resp: 62709
Ion Ratio Lower Upper
43 100
74 16.3 15.0 22.4

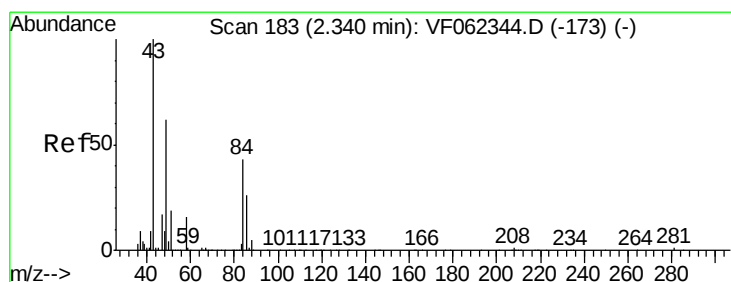
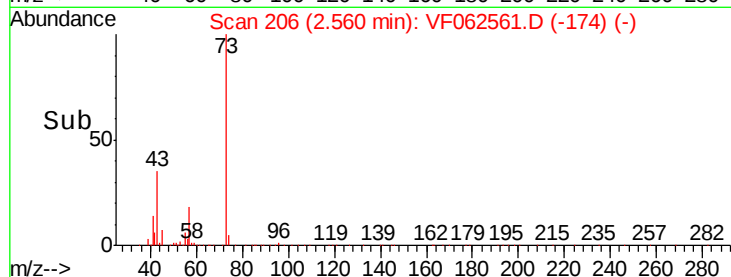
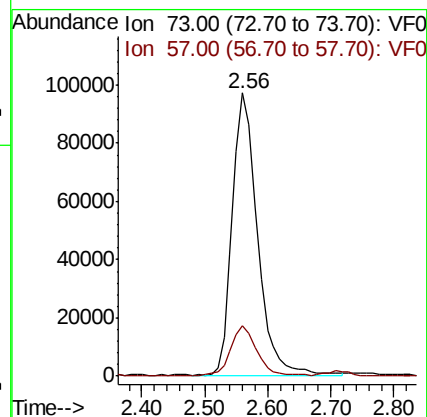
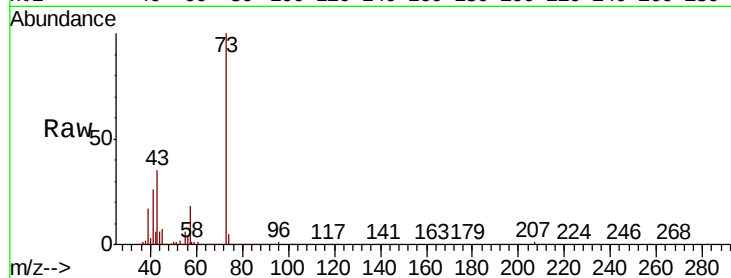




#19
Methyl tert-butyl Ether
Concen: 51.420 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.01 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

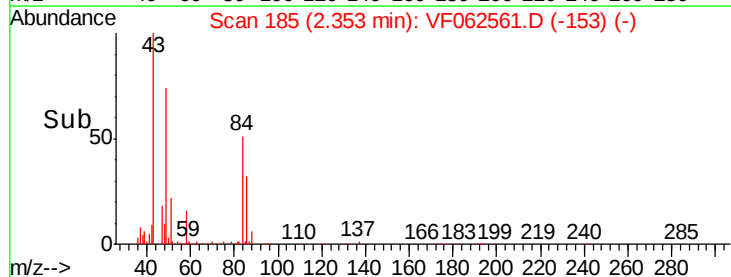
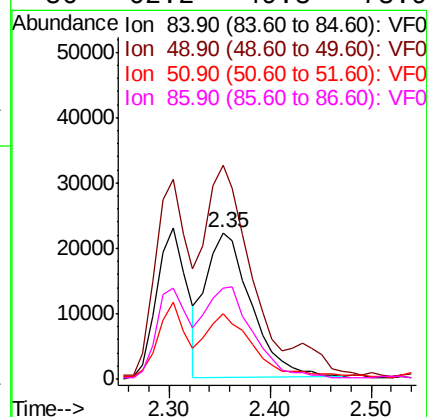
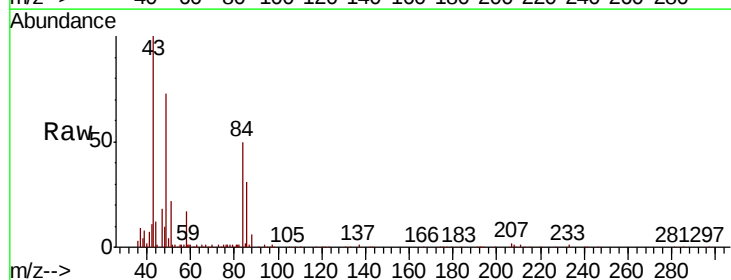
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

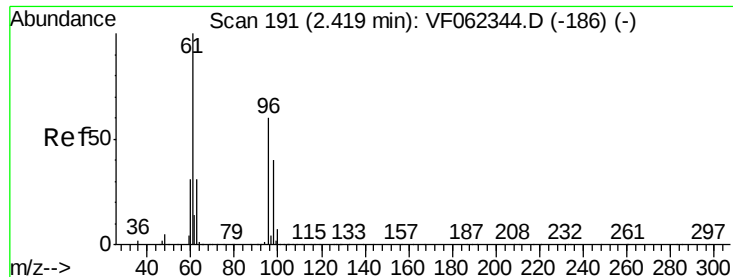
Tot Ion: 73 Resp: 269284
Ion Ratio Lower Upper
73 100
57 17.8 13.7 20.5



#20
Methylene Chloride
Concen: 30.350 ug/l
RT: 2.35 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

Tgt Ion: 84 Resp: 69463
Ion Ratio Lower Upper
84 100
49 143.0 117.5 176.3
51 42.4 37.0 55.4
86 62.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 46.376 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.02 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

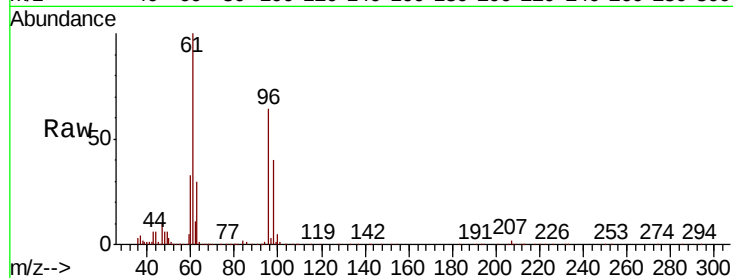
Tot Ion: 96 Resp: 112097

Ion Ratio Lower Upper

96 100

61 157.3 133.2 199.8

98 62.1 53.1 79.7

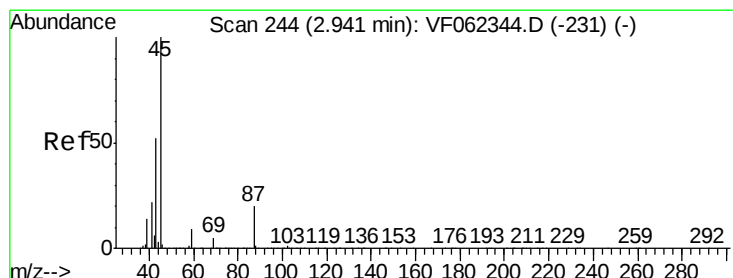
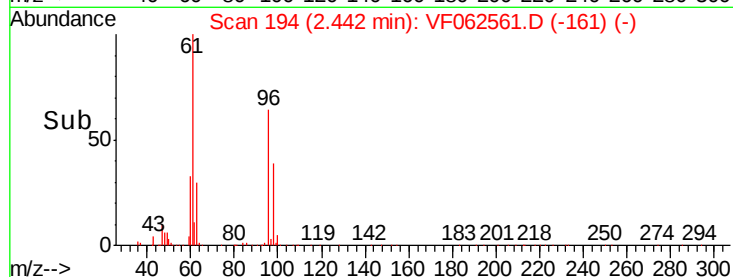
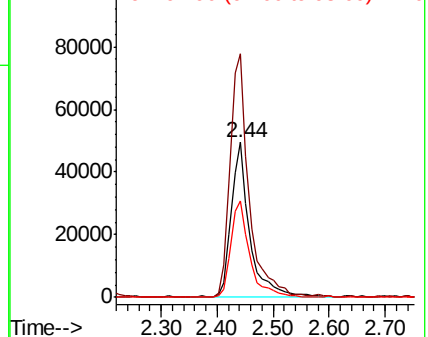


Abundance

Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 52.902 ug/l

RT: 2.95 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Tgt Ion: 45 Resp: 370534

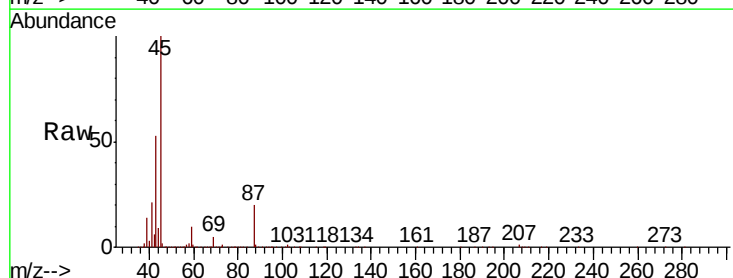
Ion Ratio Lower Upper

45 100

43 51.8 41.4 62.0

87 20.4 15.8 23.6

59 9.9 7.2 10.8



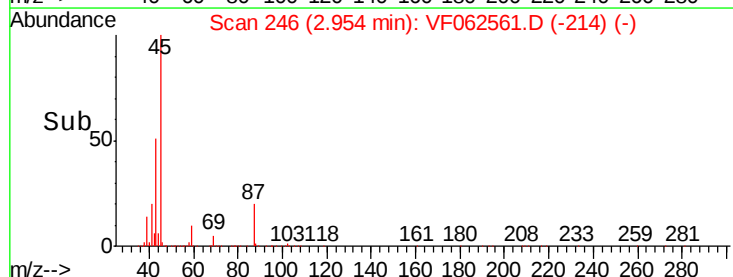
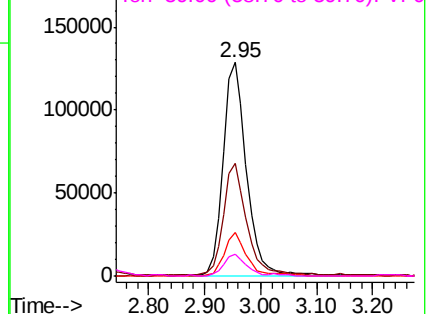
Abundance

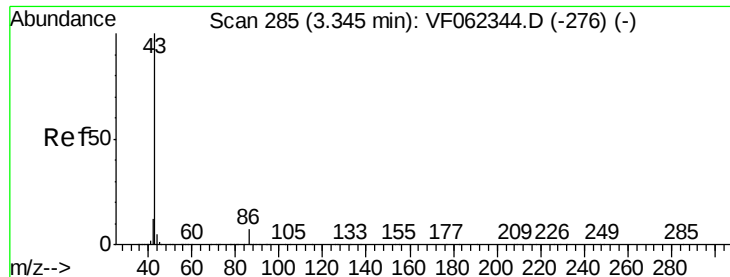
Ion 45.00 (44.70 to 45.70): VF0

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: 250.589 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.02 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

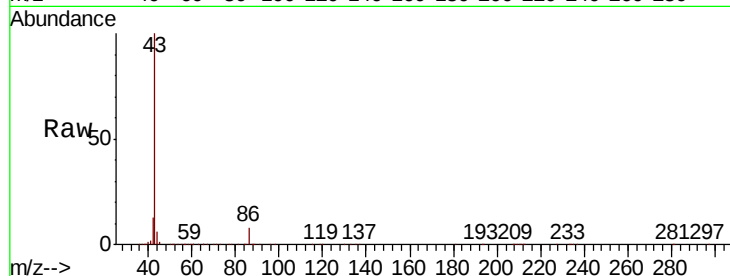
VSTDCCC050

Tot Ion: 43 Resp: 782264

Ion Ratio Lower Upper

43 100

86 7.6 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.37

300000

250000

200000

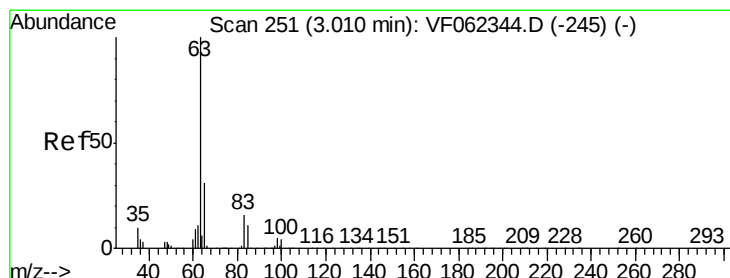
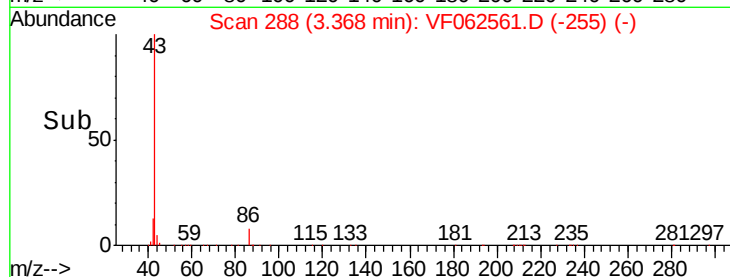
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 54.249 ug/l

RT: 3.03 min Scan# 254

Delta R.T. 0.02 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

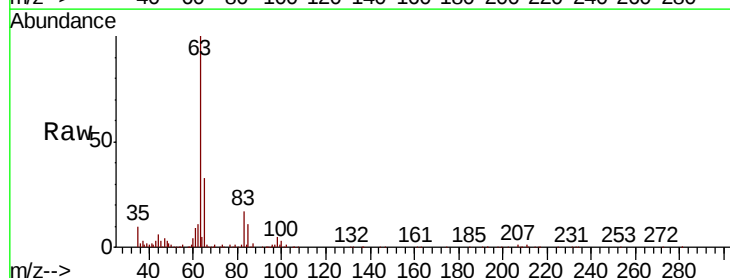
Tgt Ion: 63 Resp: 229648

Ion Ratio Lower Upper

63 100

98 4.7 2.6 8.0

100 2.8 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

100000

80000

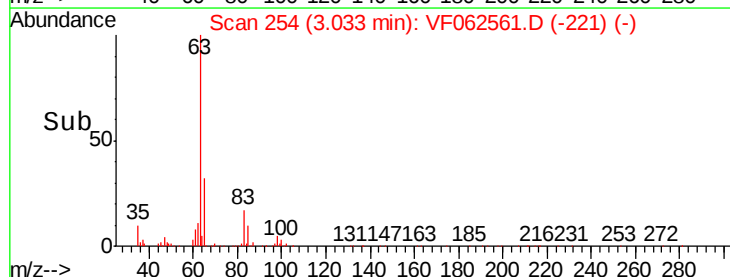
60000

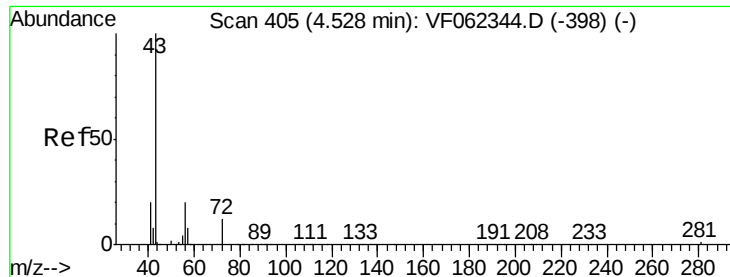
40000

20000

0

Time-->

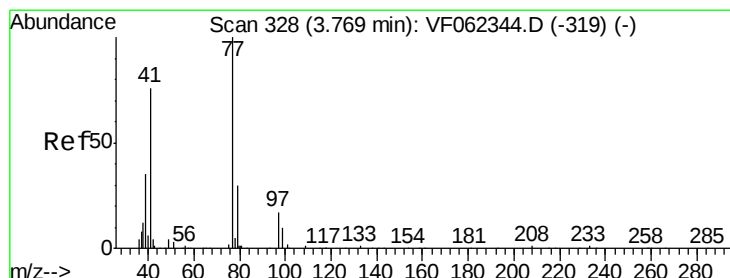
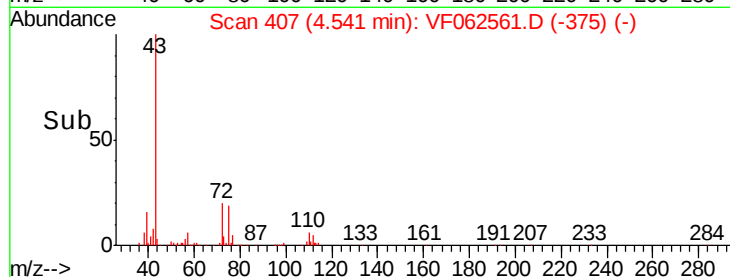
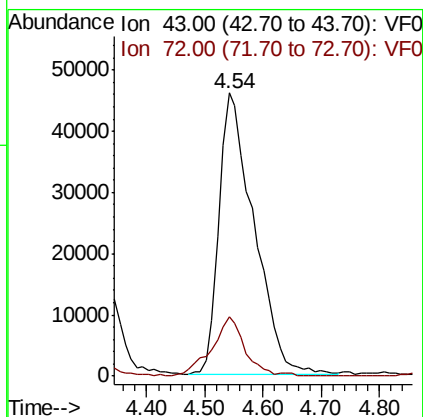
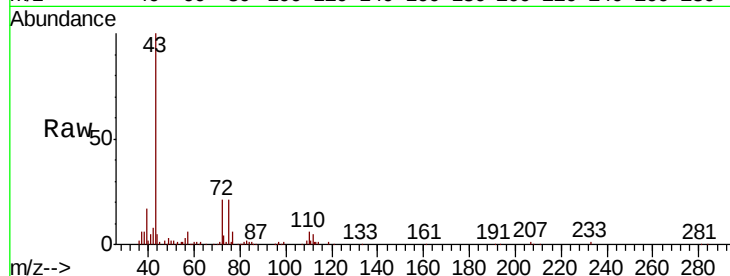




#25
2-Butanone
Concen: 241.874 ug/l
RT: 4.54 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

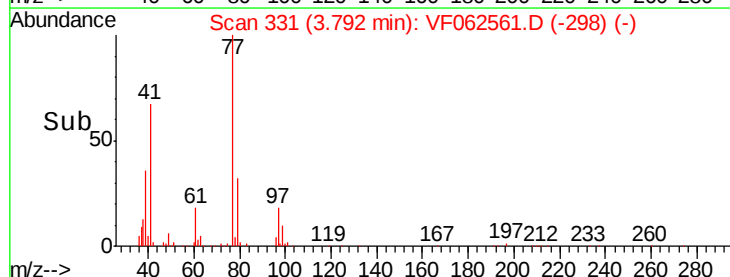
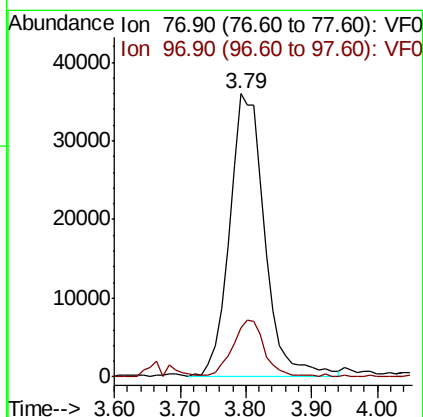
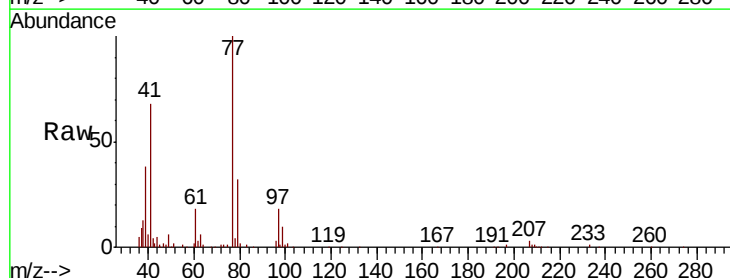
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

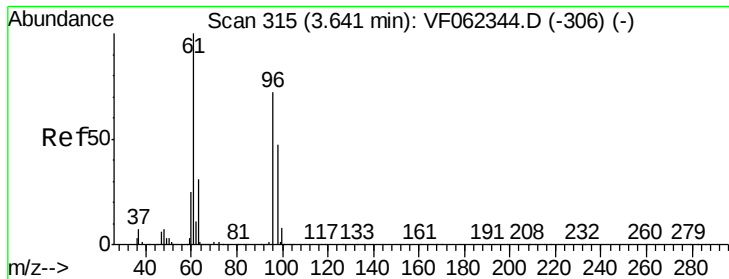
Tot Ion: 43 Resp: 192229
Ion Ratio Lower Upper
43 100
72 21.2 14.2 21.4



#26
2,2-Dichloropropane
Concen: 57.111 ug/l
RT: 3.79 min Scan# 331
Delta R.T. 0.02 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

Tgt Ion: 77 Resp: 135010
Ion Ratio Lower Upper
77 100
97 18.4 9.5 28.5



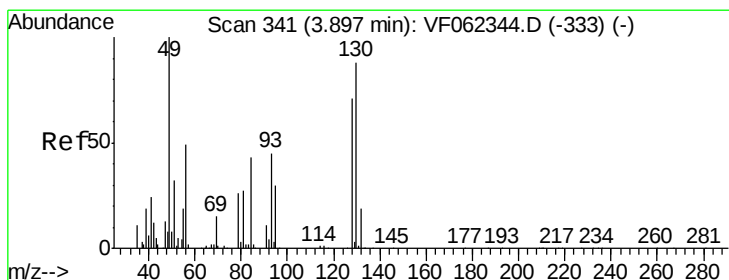
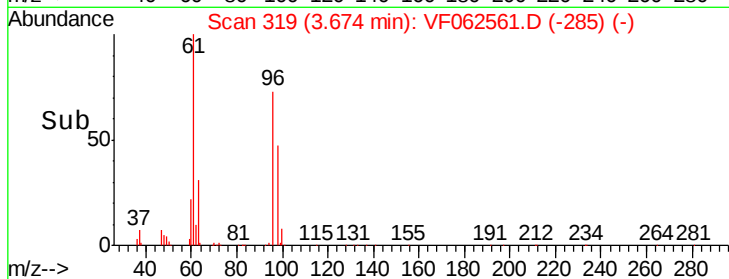
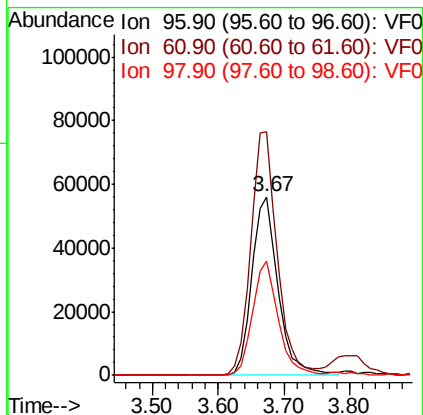
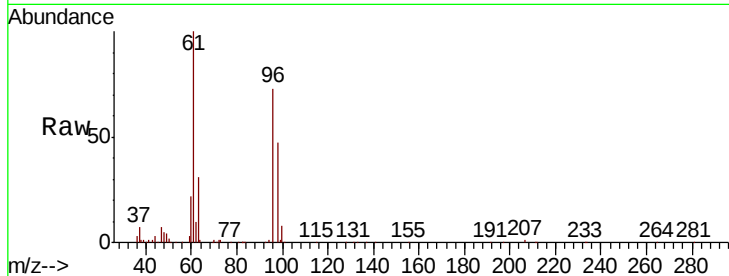


#27

cis-1,2-Dichloroethene
Concen: 52.125 ug/l
RT: 3.67 min Scan# 319
Delta R.T. 0.03 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

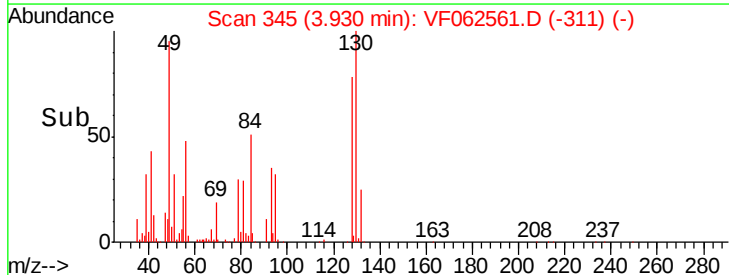
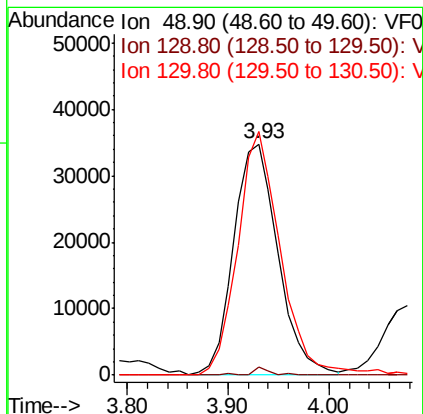
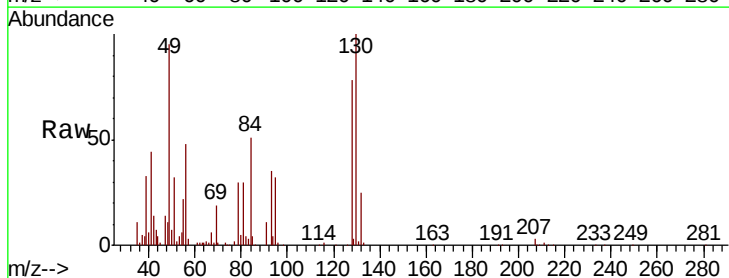
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.7	0.0	263.0
98	62.3	0.0	130.8

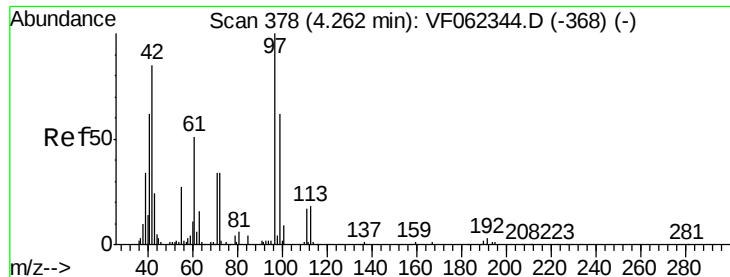


#28

Bromochloromethane
Concen: 54.936 ug/l
RT: 3.93 min Scan# 345
Delta R.T. 0.03 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	2.2
130	103.4	79.4	119.0





#29

Tetrahydrofuran

Concen: 228.211 ug/l

RT: 4.29 min Scan# 382

Delta R.T. 0.03 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

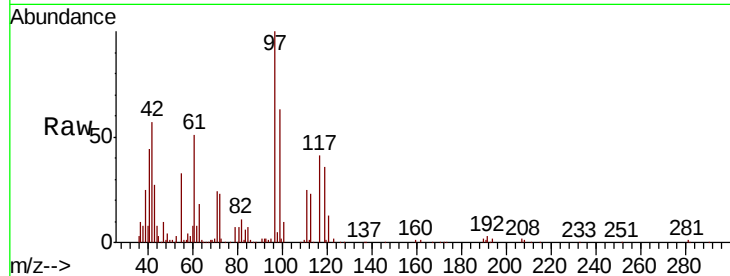
Tot Ion: 42 Resp: 83357

Ion Ratio Lower Upper

42 100

72 37.9 31.4 47.0

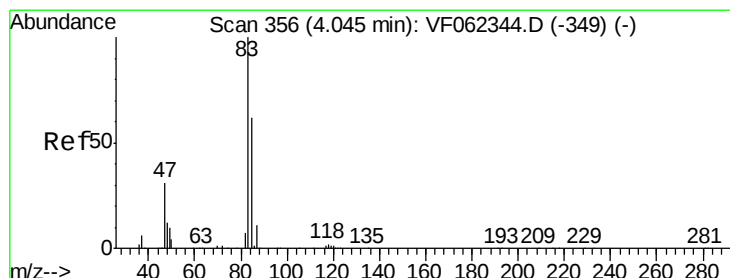
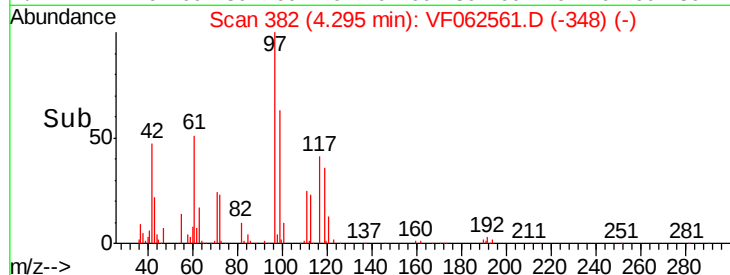
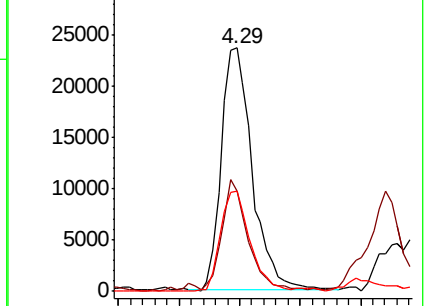
71 39.9 31.7 47.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 53.188 ug/l

RT: 4.08 min Scan# 360

Delta R.T. 0.03 min

Lab File: VF062561.D

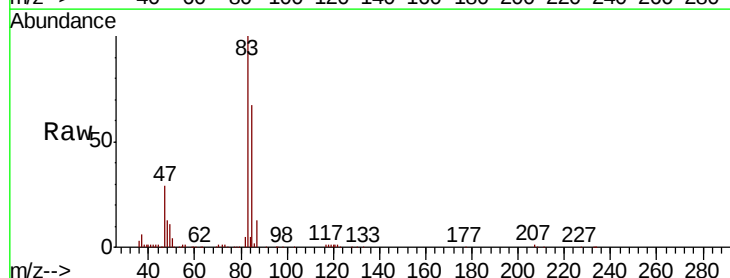
Acq: 14 May 2019 1:15

Tgt Ion: 83 Resp: 304187

Ion Ratio Lower Upper

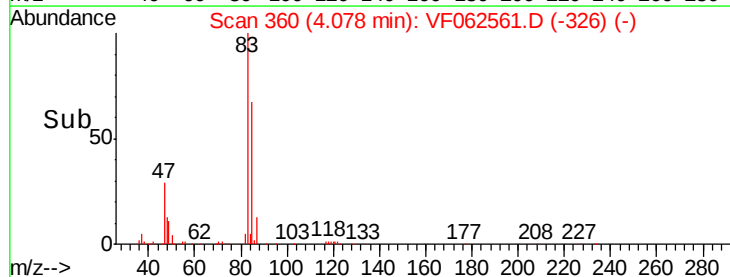
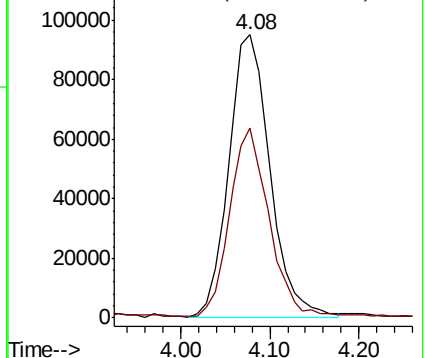
83 100

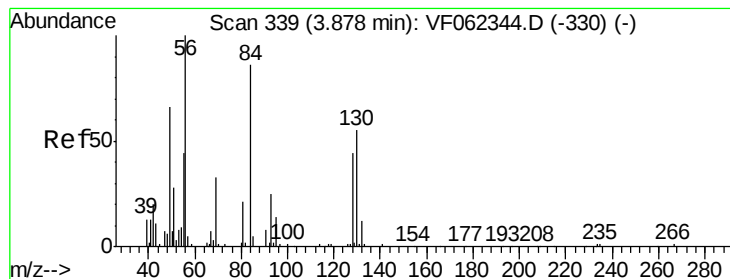
85 67.1 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0





#31

Cyclohexane

Concen: 26.843 ug/l

RT: 3.90 min Scan# 342

Delta R.T. 0.02 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

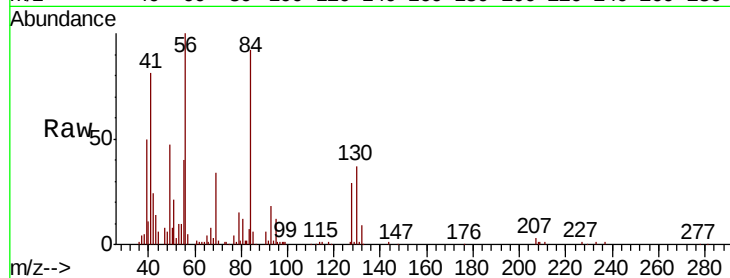
Tot Ion: 56 Resp: 90700

Ion Ratio Lower Upper

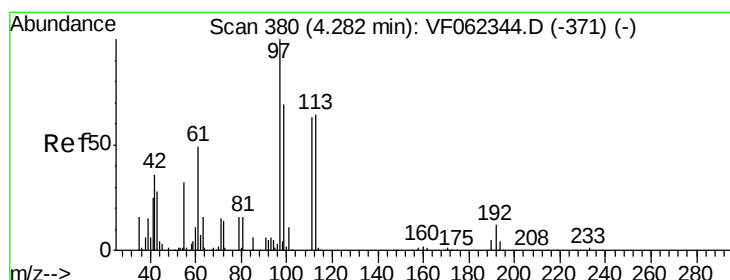
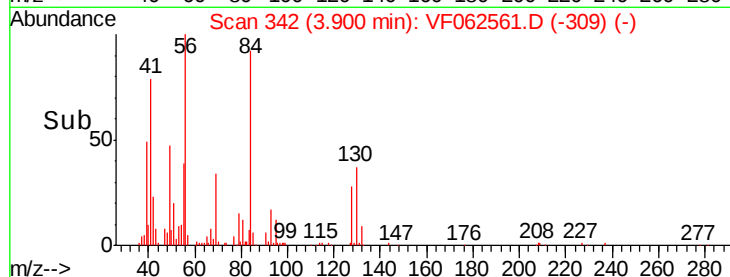
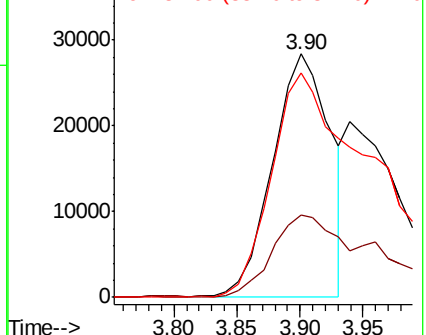
56 100

69 33.7 26.4 39.6

84 91.9 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 54.630 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.03 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

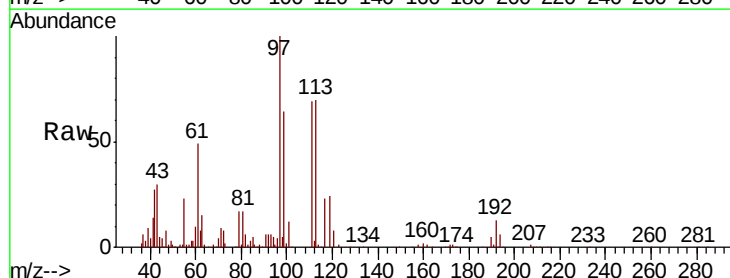
Tgt Ion: 97 Resp: 267772

Ion Ratio Lower Upper

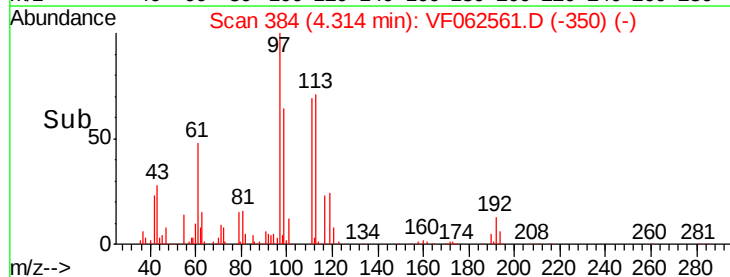
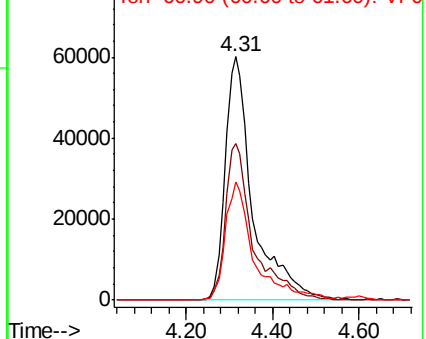
97 100

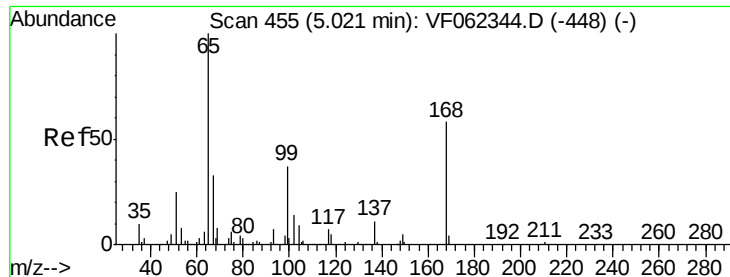
99 64.3 52.6 78.8

61 50.0 39.4 59.0



Abundance Ion 96.90 (96.60 to 97.60): VF0
Ion 98.90 (98.60 to 99.60): VF0
Ion 60.90 (60.60 to 61.60): VF0





#33

1,2-Dichloroethane-d4

Concen: 53.793 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.03 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

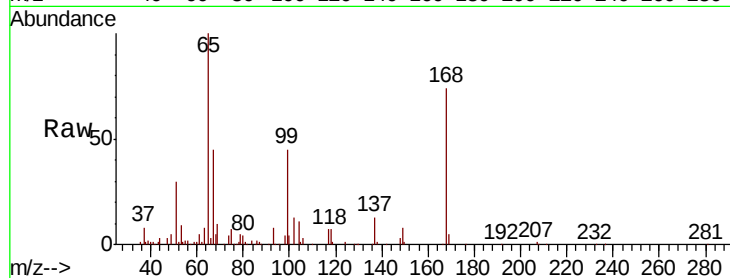
VSTDCCC050

Tot Ion: 65 Resp: 168218

Ion Ratio Lower Upper

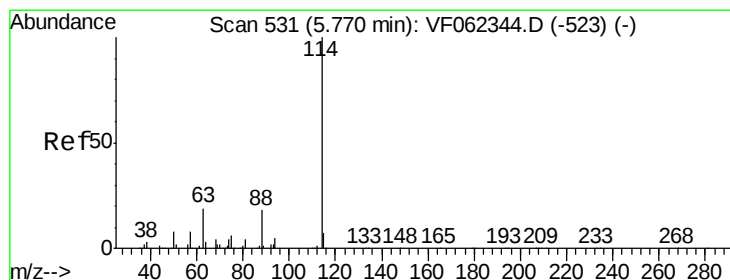
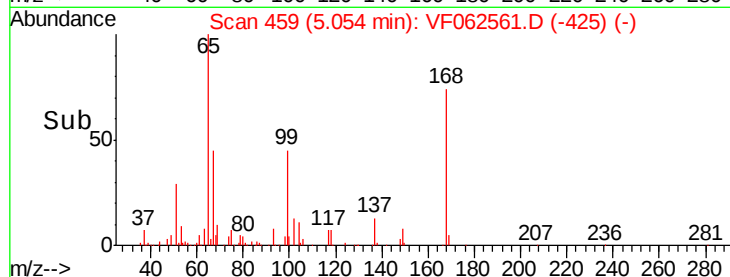
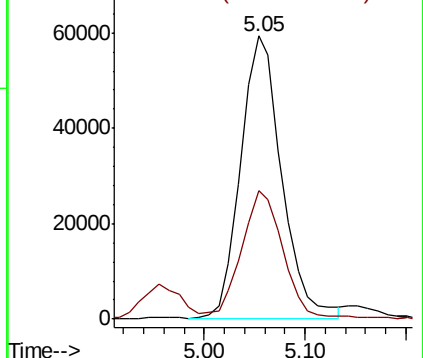
65 100

67 45.3 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 535

Delta R.T. 0.03 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

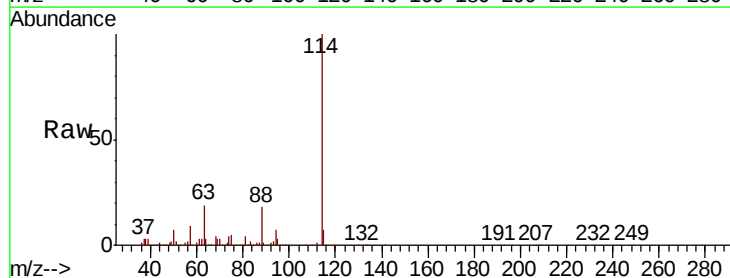
Tgt Ion: 114 Resp: 450830

Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.4

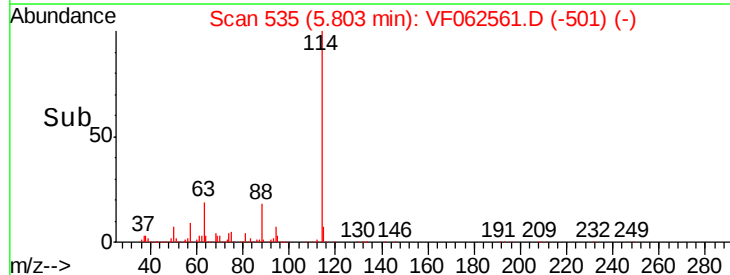
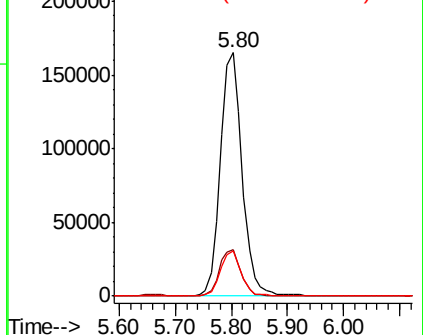
88 18.3 0.0 36.4

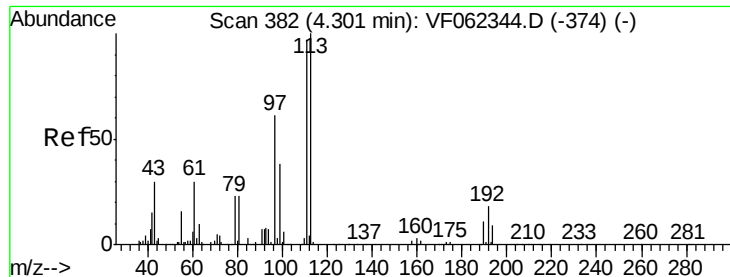


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0





#35

Dibromofluoromethane

Concen: 53.095 ug/l

RT: 4.33 min Scan# 386

Delta R.T. 0.03 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

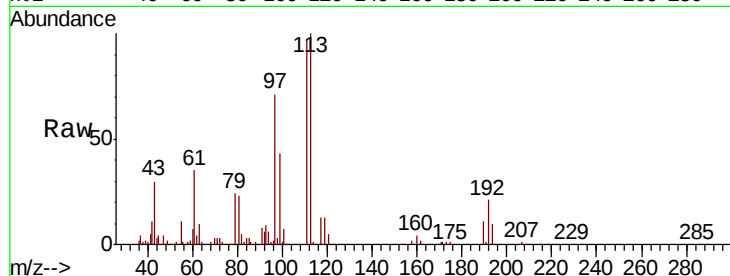
Tot Ion:113 Resp: 190700

Ion Ratio Lower Upper

113 100

111 101.2 79.4 119.0

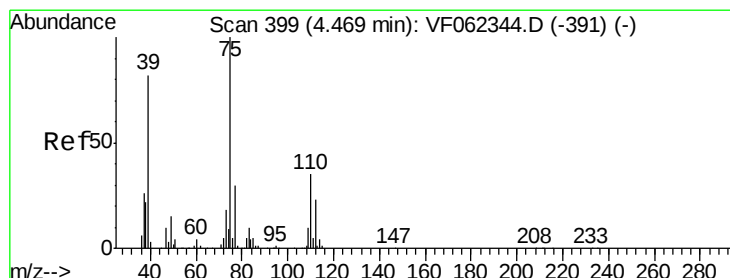
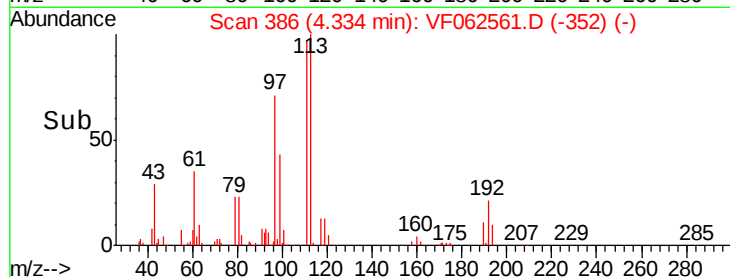
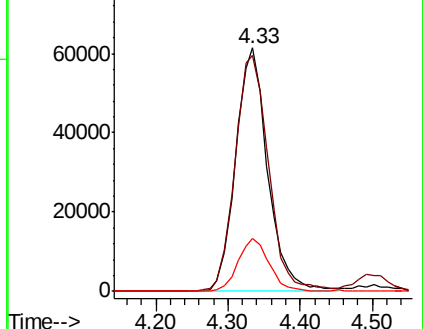
192 21.2 16.0 24.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.462 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.03 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

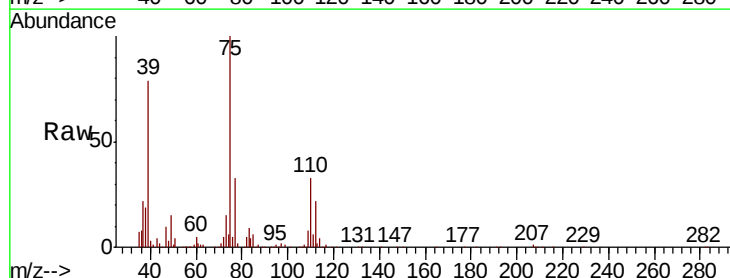
Tgt Ion: 75 Resp: 195427

Ion Ratio Lower Upper

75 100

110 34.0 17.2 51.5

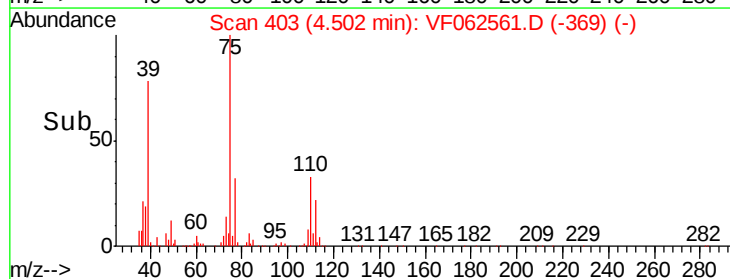
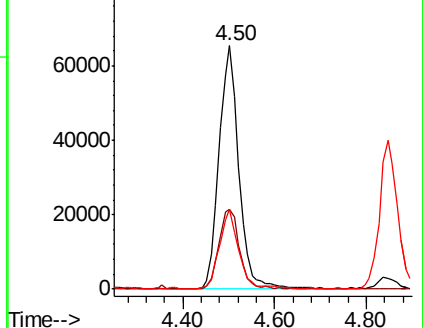
77 32.0 25.2 37.8

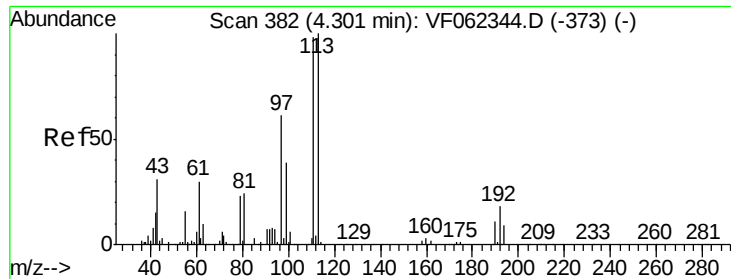


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0

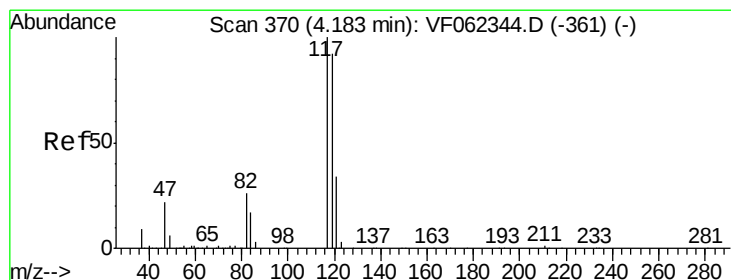
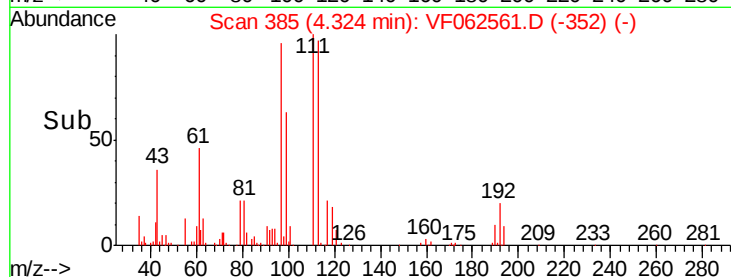
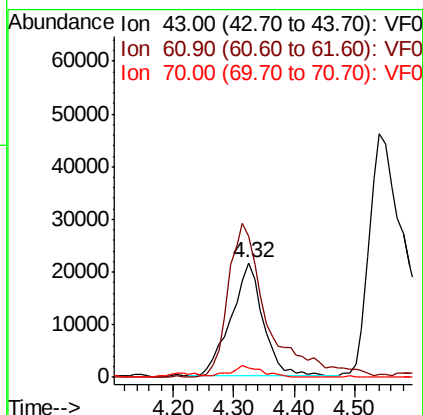
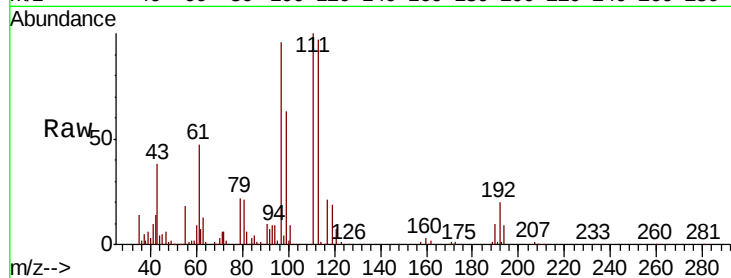




#37
Ethyl Acetate
Concen: 53.088 ug/l
RT: 4.32 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

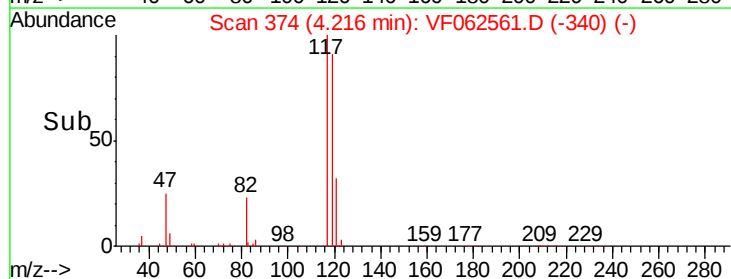
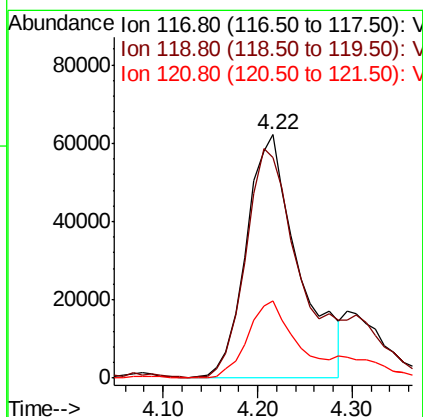
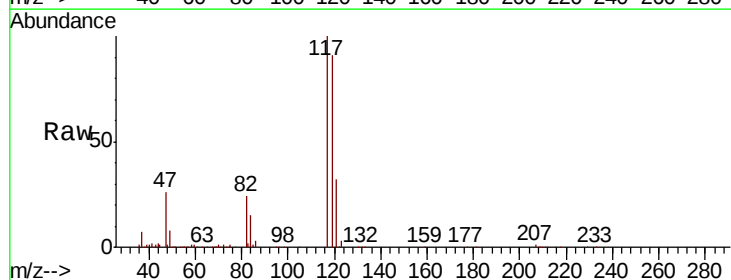
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

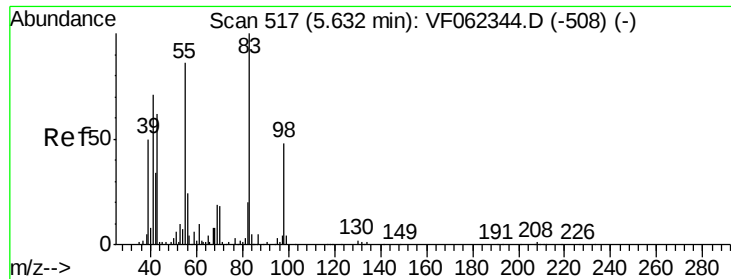
Tot Ion: 43 Resp: 79571
Ion Ratio Lower Upper
43 100
61 168.1 0.0 0.0#
70 10.2 8.2 12.2



#38
Carbon Tetrachloride
Concen: 59.763 ug/l
RT: 4.22 min Scan# 374
Delta R.T. 0.03 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

Tgt Ion: 117 Resp: 237888
Ion Ratio Lower Upper
117 100
119 90.5 73.4 110.2
121 31.6 27.4 41.0

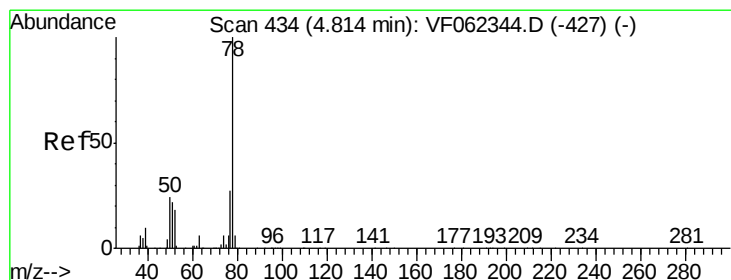
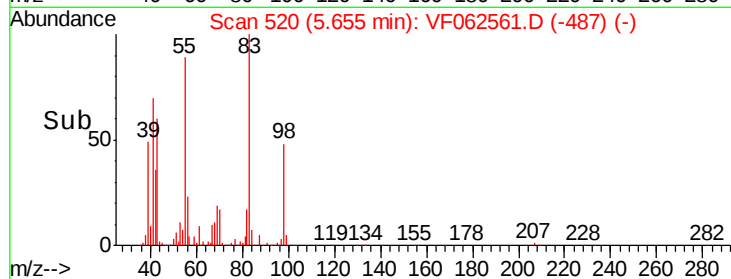
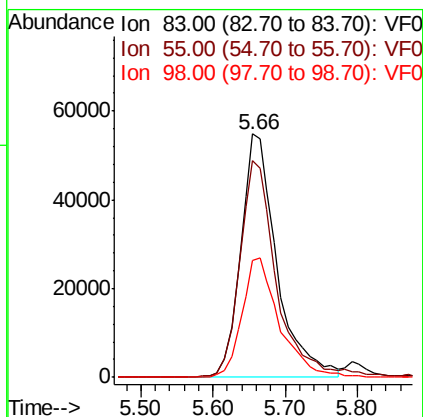
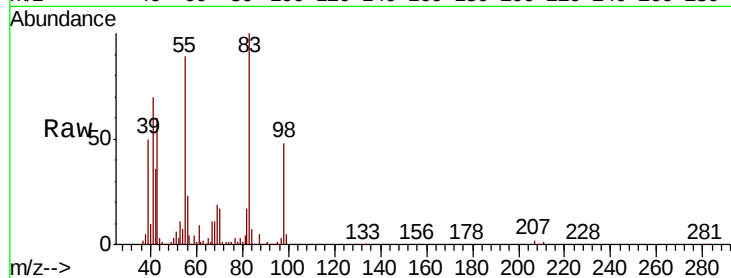




#39
Methvlcvclohexane
Concen: 49.239 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.02 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

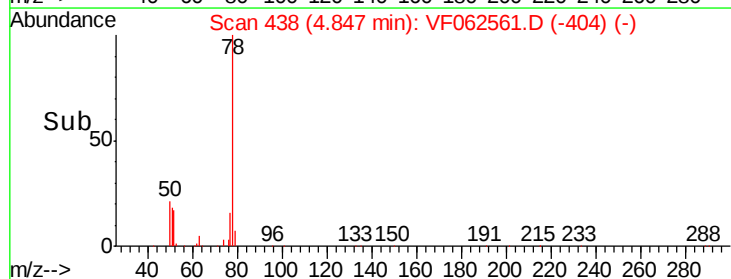
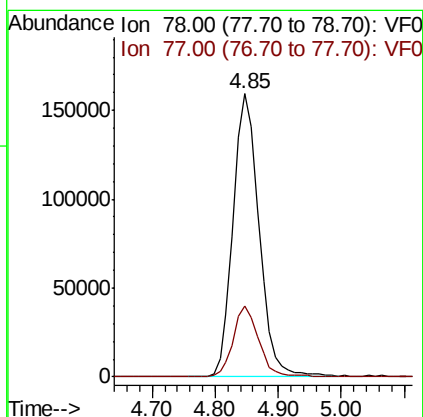
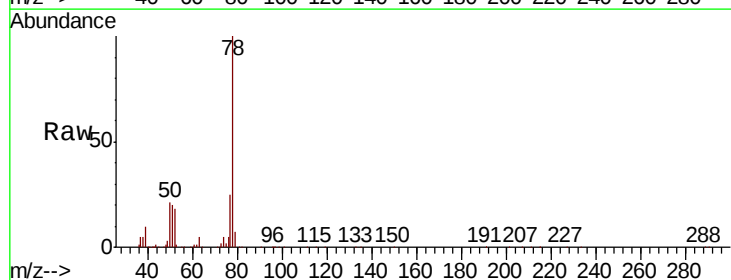
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

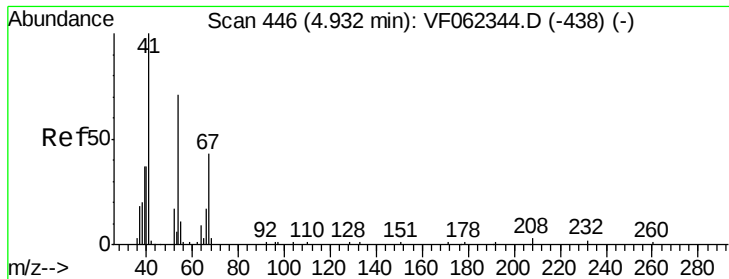
Tot Ion: 83 Resp: 191246
Ion Ratio Lower Upper
83 100
55 88.6 69.0 103.6
98 48.1 38.6 58.0



#40
Benzene
Concen: 53.291 ug/l
RT: 4.85 min Scan# 438
Delta R.T. 0.03 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

Tgt Ion: 78 Resp: 454470
Ion Ratio Lower Upper
78 100
77 25.1 21.6 32.4





#41

Methacrylonitrile

Concen: 46.304 ug/l

RT: 4.96 min Scan# 449

Delta R.T. 0.02 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 42999

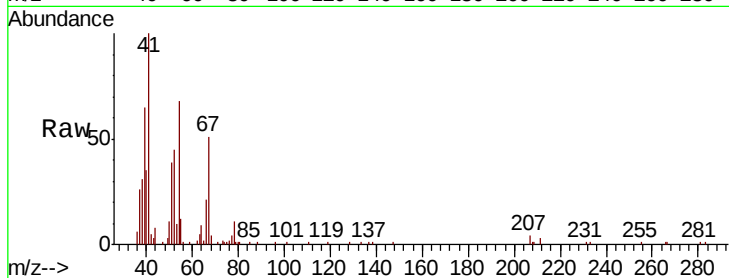
Ion Ratio Lower Upper

41 100

39 67.3 54.3 81.5

67 46.2 37.8 56.8

52 71.8 58.2 87.4

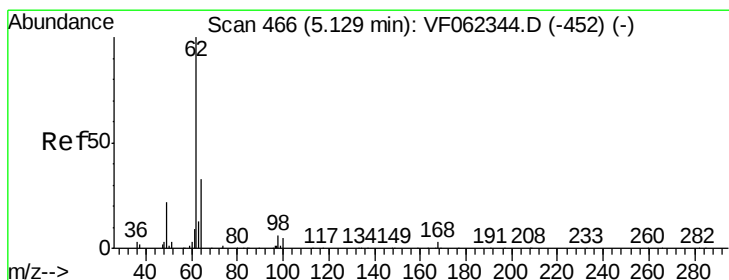
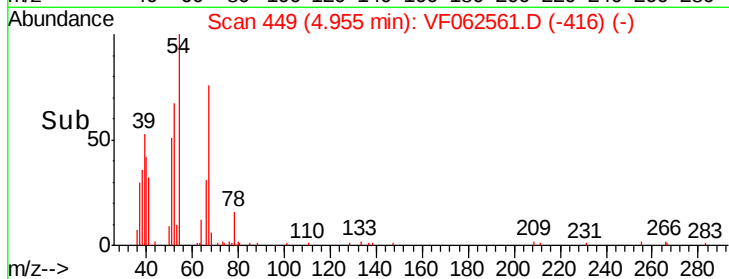
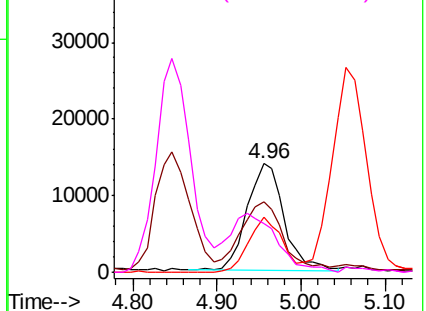


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 53.885 ug/l

RT: 5.15 min Scan# 469

Delta R.T. 0.02 min

Lab File: VF062561.D

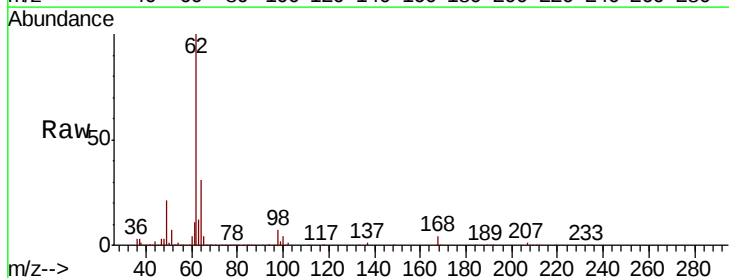
Acq: 14 May 2019 1:15

Tgt Ion: 62 Resp: 192194

Ion Ratio Lower Upper

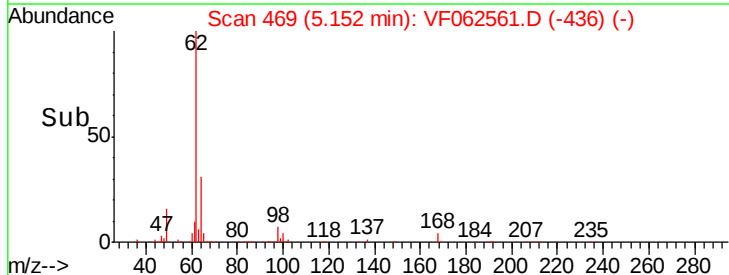
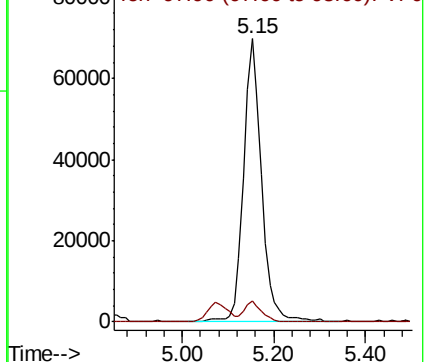
62 100

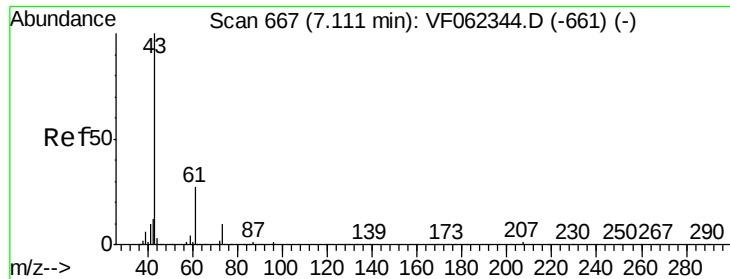
98 6.8 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



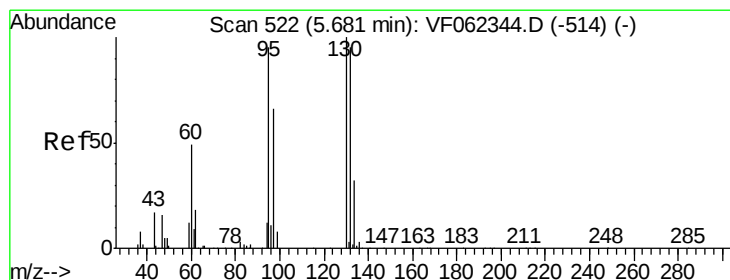
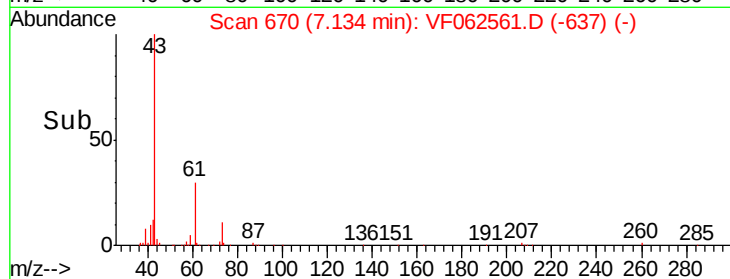
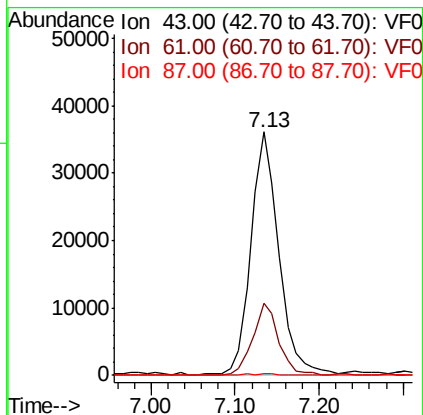
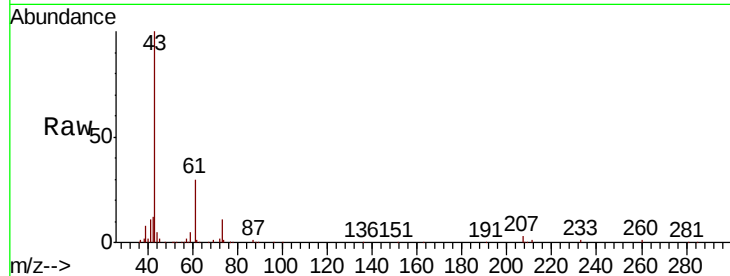


#43

Isopropyl Acetate
 Concen: 48.044 ug/l
 RT: 7.13 min Scan# 670
 Delta R.T. 0.02 min
 Lab File: VF062561.D
 Acq: 14 May 2019 1:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

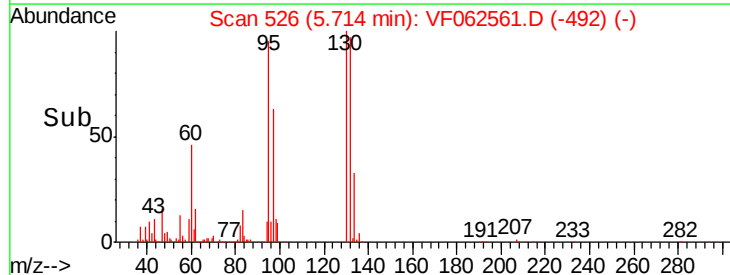
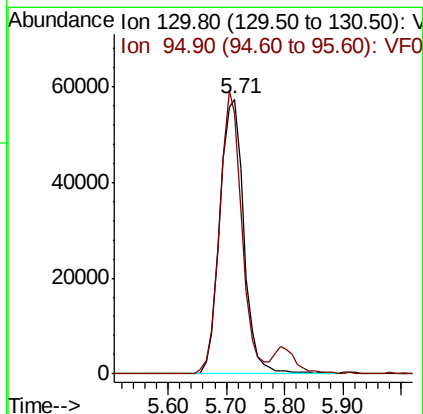
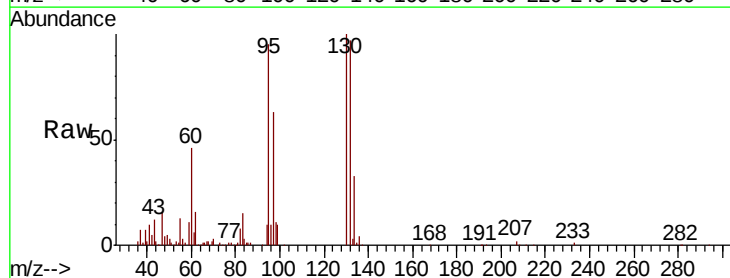
Tot Ion	43	Resp	84632
Ion Ratio	Lower	Upper	
43	100		
61	27.3	22.8	34.2
87	0.6	0.6	1.0#



#44

Trichloroethene
 Concen: 52.536 ug/l
 RT: 5.71 min Scan# 526
 Delta R.T. 0.03 min
 Lab File: VF062561.D
 Acq: 14 May 2019 1:15

Tgt Ion	130	Resp	164585
Ion Ratio	Lower	Upper	
130	100		
95	94.3	0.0	189.0





#45

1,2-Dichloropropane

Concen: 54.268 ug/l

RT: 6.43 min Scan# 599

Delta R.T. 0.03 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

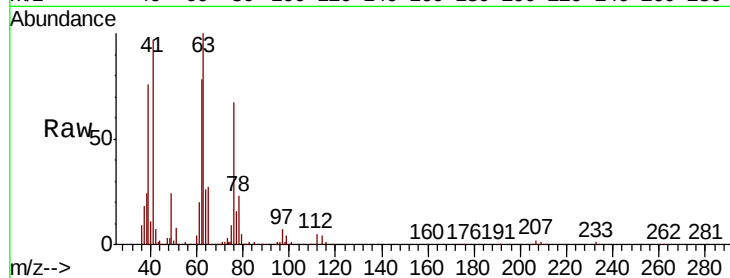
VSTDCCC050

Tot Ion: 63 Resp: 104827

Ion Ratio Lower Upper

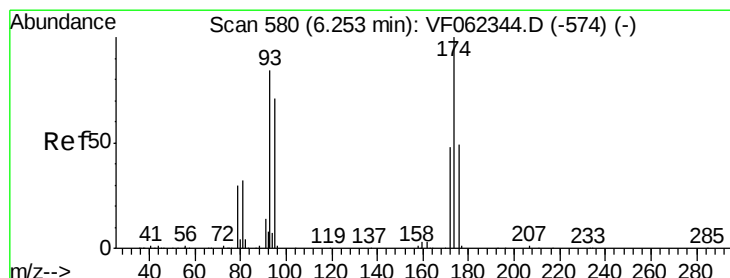
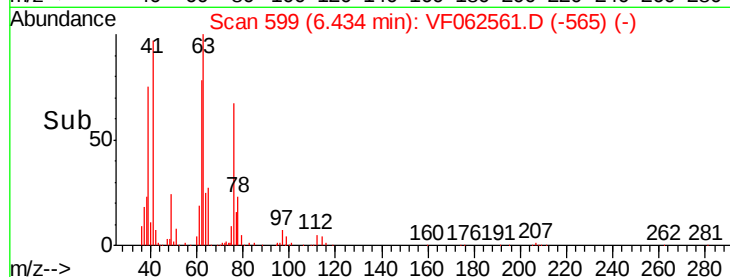
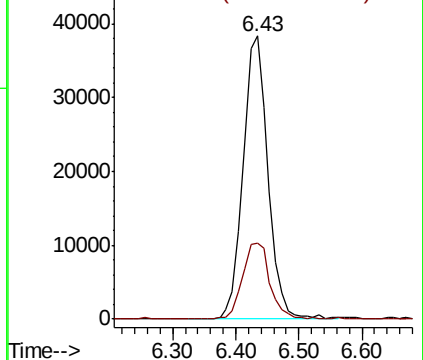
63 100

65 27.1 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0



#46

Dibromomethane

Concen: 52.786 ug/l

RT: 6.29 min Scan# 584

Delta R.T. 0.03 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

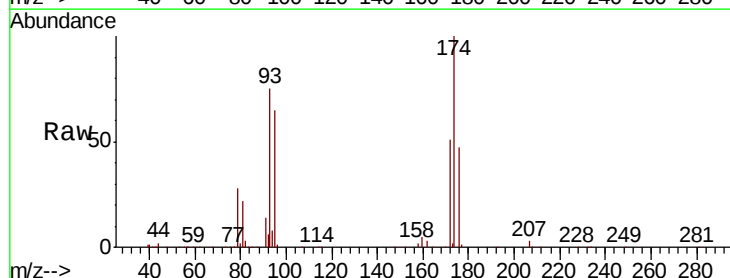
Tgt Ion: 93 Resp: 84540

Ion Ratio Lower Upper

93 100

95 83.3 68.4 102.6

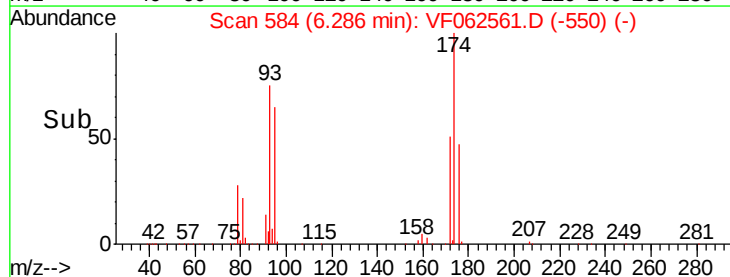
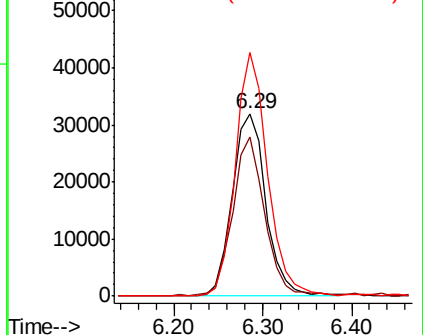
174 126.5 99.6 149.4

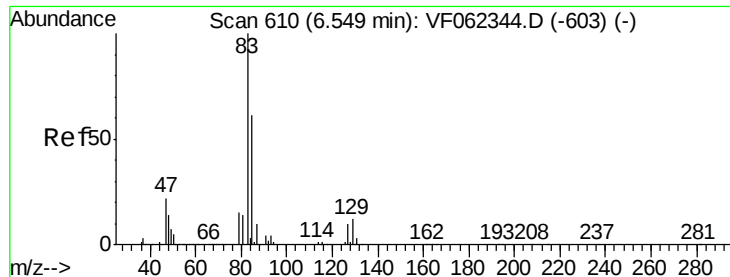


Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.426 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.02 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

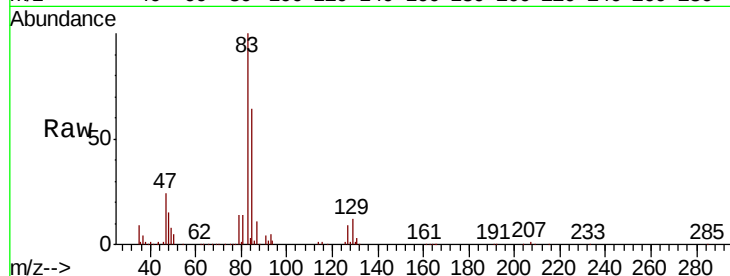
Tot Ion: 83 Resp: 217934

Ion Ratio Lower Upper

83 100

85 64.1 49.1 73.7

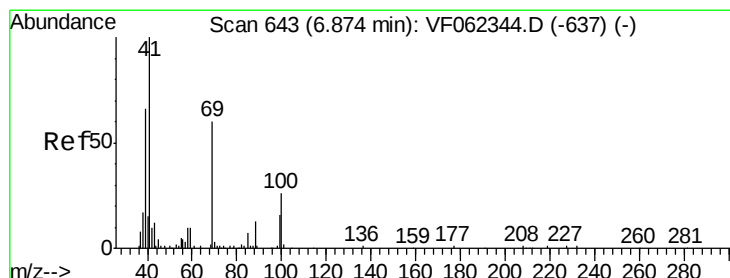
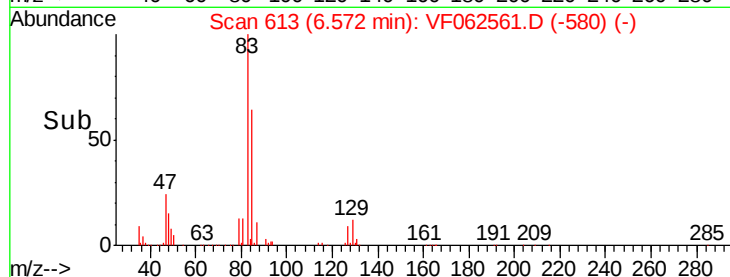
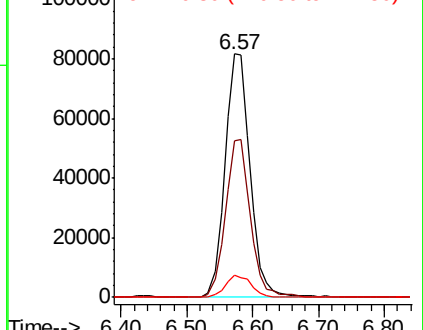
127 9.4 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 46.411 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.02 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

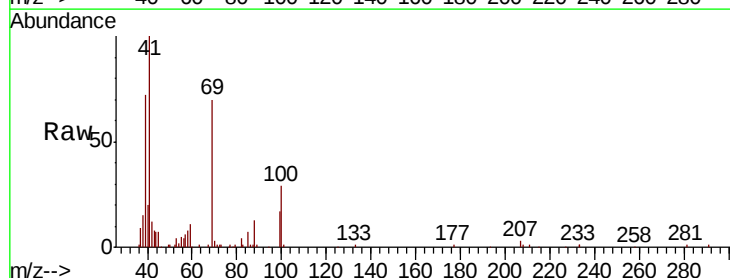
Tgt Ion: 41 Resp: 57775

Ion Ratio Lower Upper

41 100

69 68.7 48.6 72.8

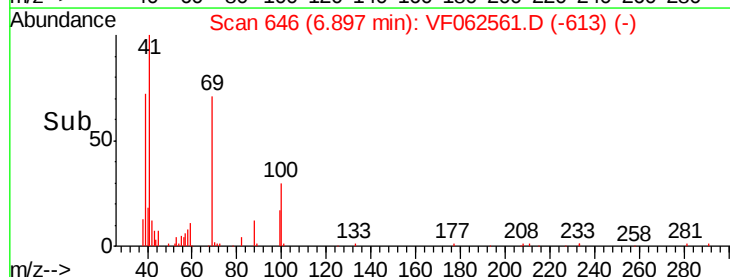
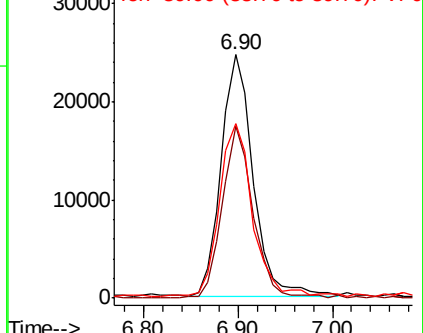
39 74.7 56.1 84.1

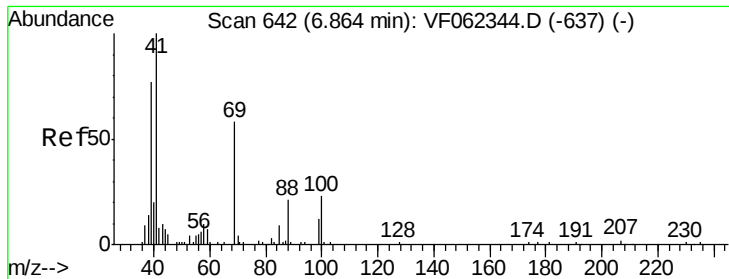


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

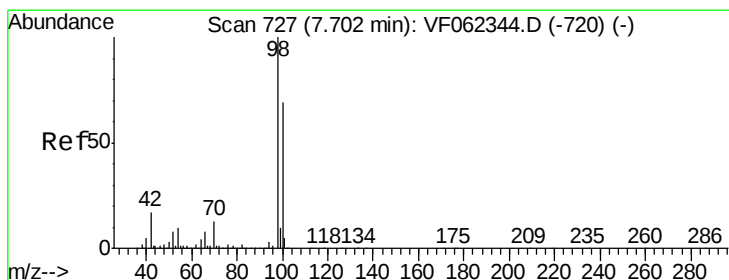
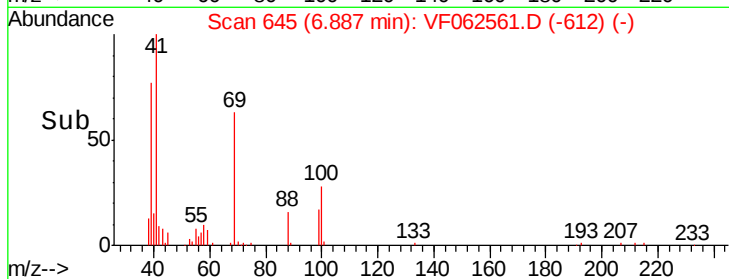
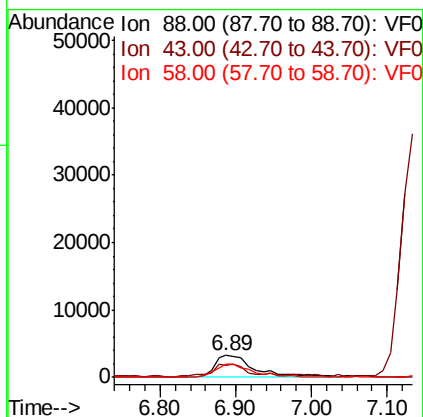
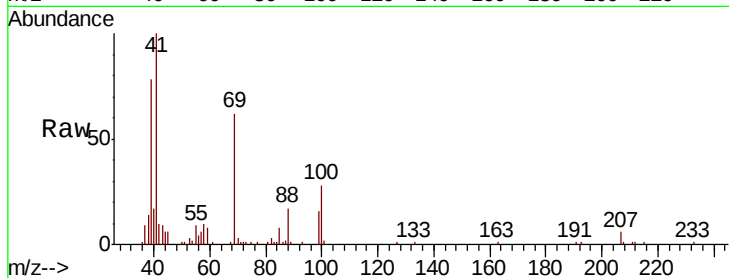




#49
1,4-Dioxane
Concen: 969.283 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.02 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

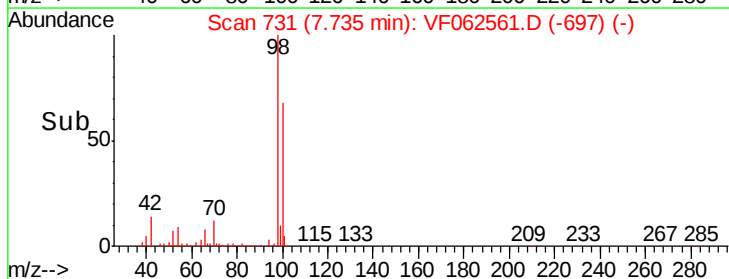
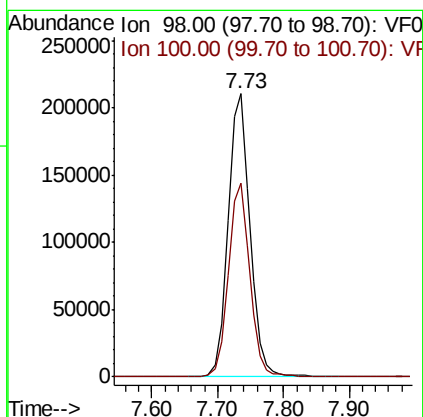
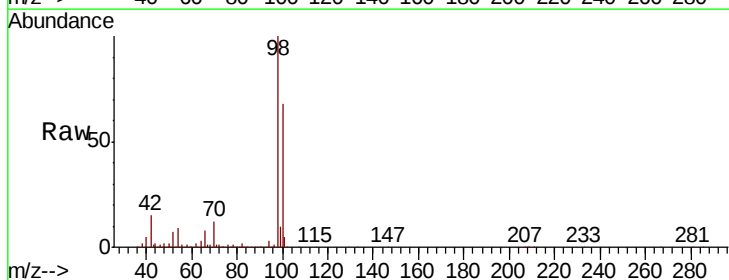
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

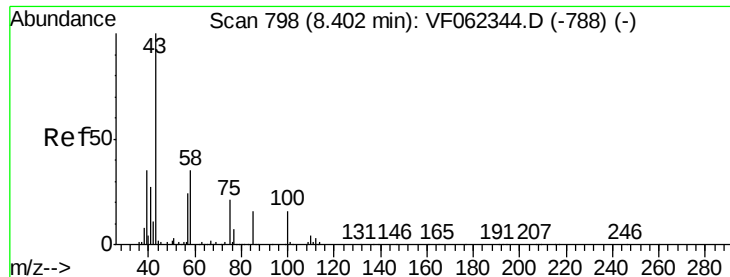
Tot Ion: 88 Resp: 12415
Ion Ratio Lower Upper
88 100
43 56.3 55.6 83.4
58 53.5 52.8 79.2



#50
Toluene-d8
Concen: 56.420 ug/l
RT: 7.73 min Scan# 731
Delta R.T. 0.03 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

Tgt Ion: 98 Resp: 490525
Ion Ratio Lower Upper
98 100
100 67.4 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 260.939 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.02 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

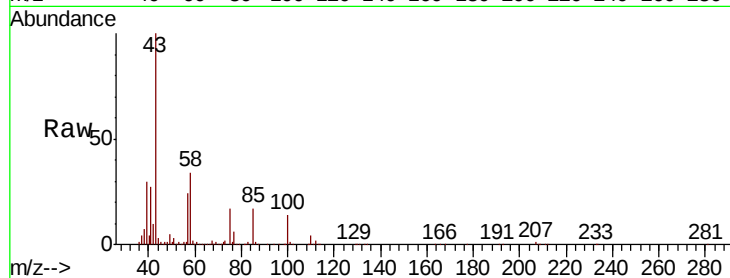
VSTDCCC050

Tot Ion: 43 Resp: 348300

Ion Ratio Lower Upper

43 100

58 34.3 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

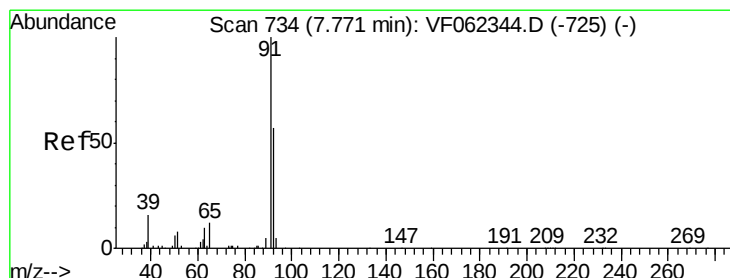
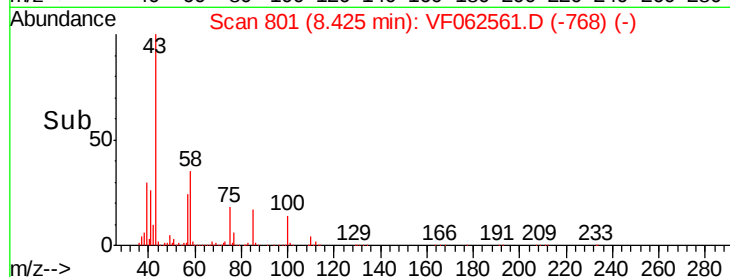
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 52.347 ug/l

RT: 7.80 min Scan# 738

Delta R.T. 0.03 min

Lab File: VF062561.D

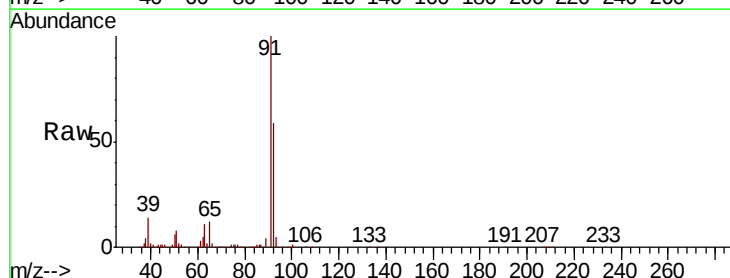
Acq: 14 May 2019 1:15

Tgt Ion: 92 Resp: 275403

Ion Ratio Lower Upper

92 100

91 170.8 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.80

200000

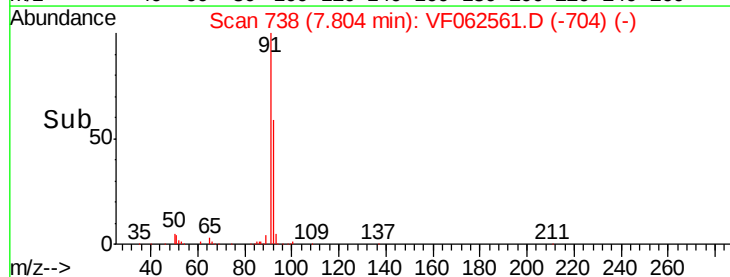
150000

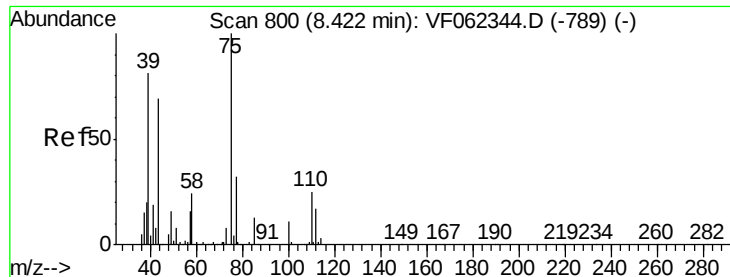
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.262 ug/l

RT: 8.44 min Scan# 803

Delta R.T. 0.02 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

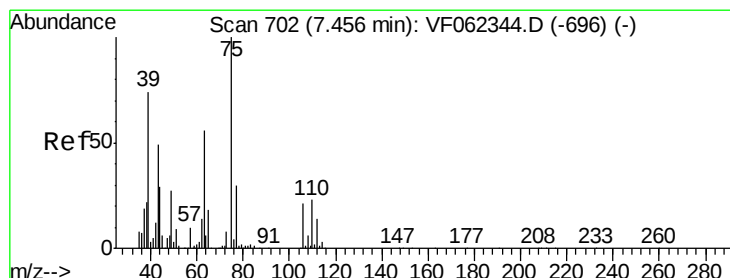
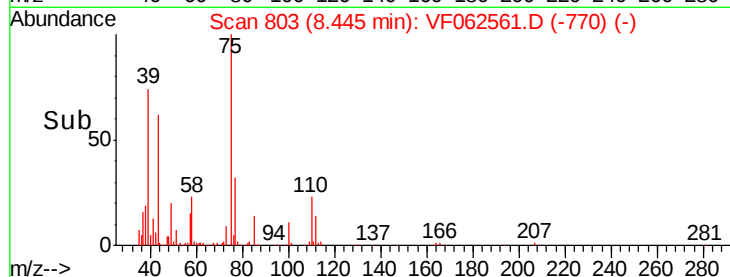
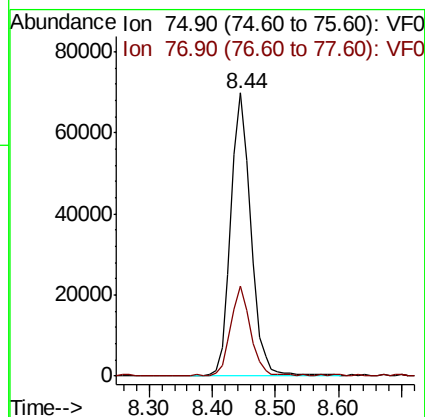
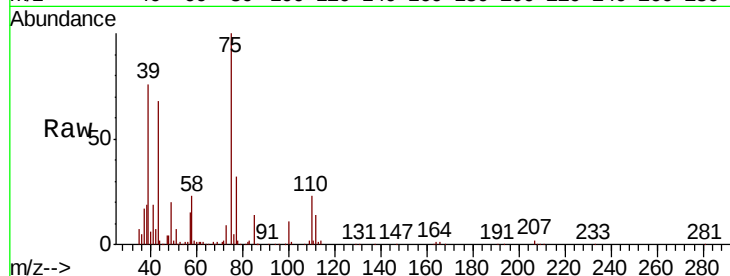
VSTDCCC050

Tot Ion: 75 Resp: 155247

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 51.912 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.02 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

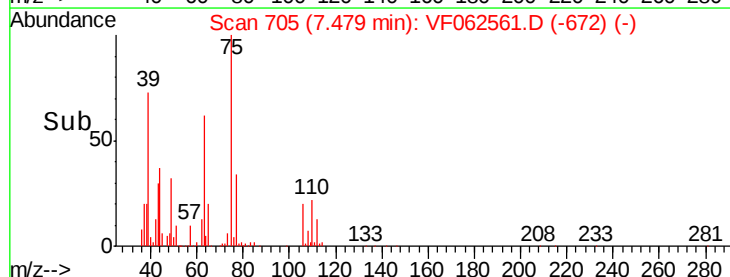
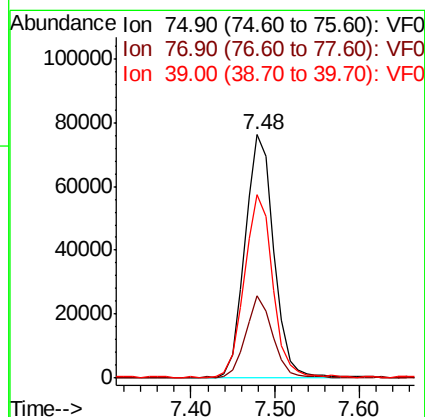
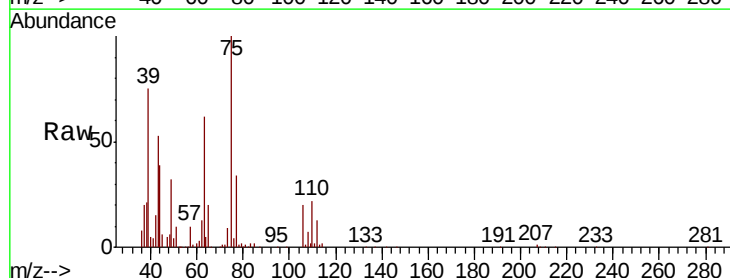
Tgt Ion: 75 Resp: 182972

Ion Ratio Lower Upper

75 100

77 33.8 24.0 36.0

39 74.6 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 56.261 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.02 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 93964

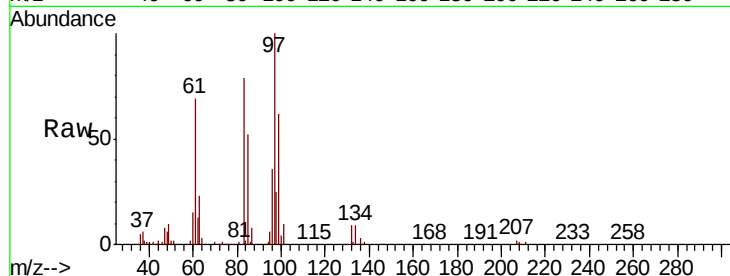
Ion Ratio Lower Upper

97 100

83 79.2 68.5 102.7

85 51.9 45.4 68.2

99 61.9 52.7 79.1

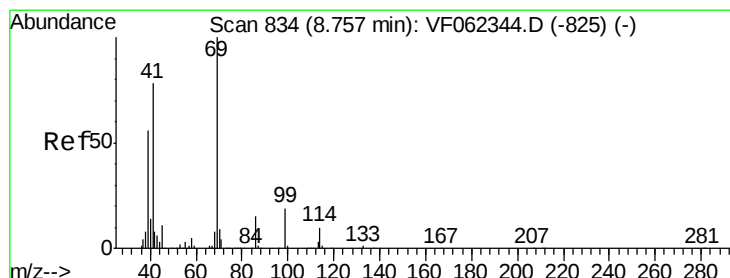
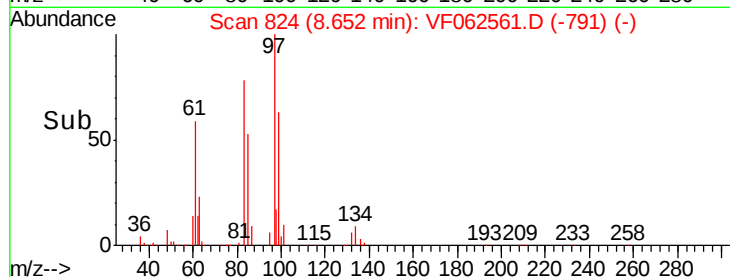
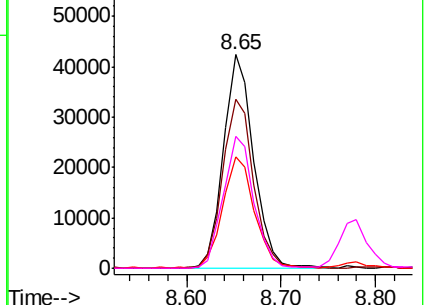


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 50.177 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.02 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

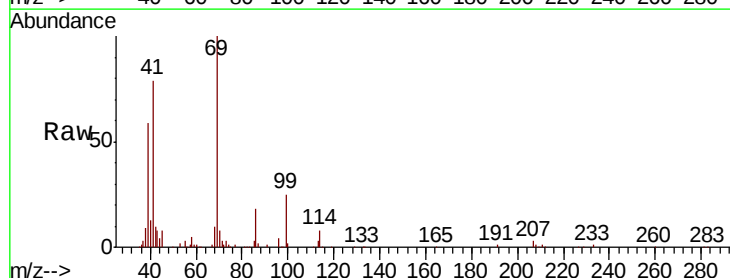
Tgt Ion: 69 Resp: 88461

Ion Ratio Lower Upper

69 100

41 83.3 66.3 99.5

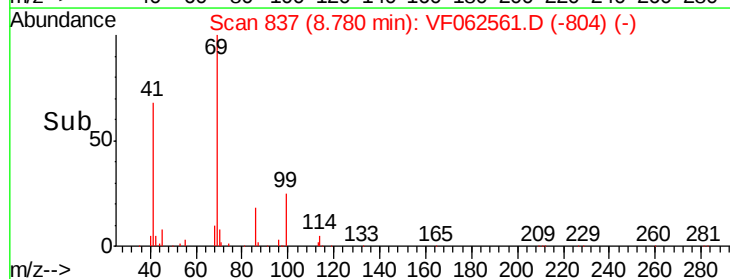
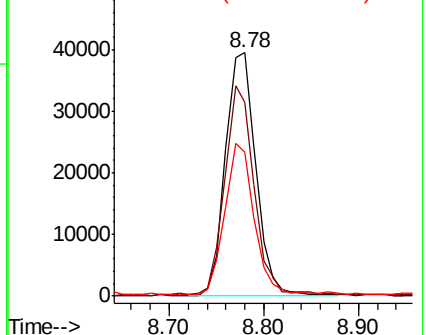
39 59.3 50.1 75.1

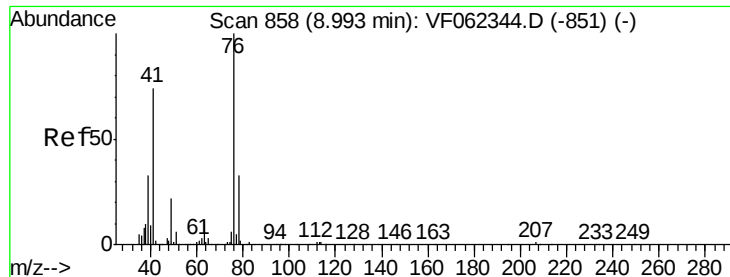


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 54.817 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.02 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

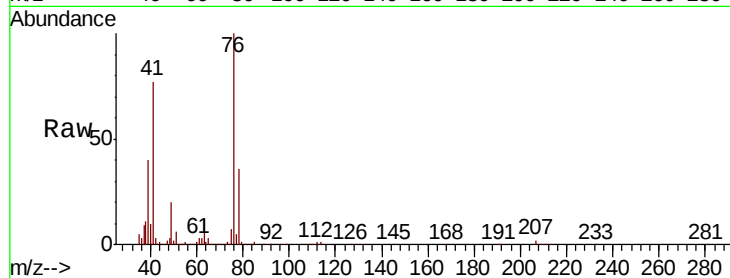
VSTDCCC050

Tot Ion: 76 Resp: 138290

Ion Ratio Lower Upper

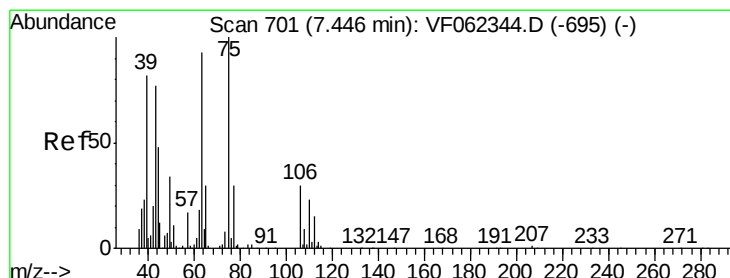
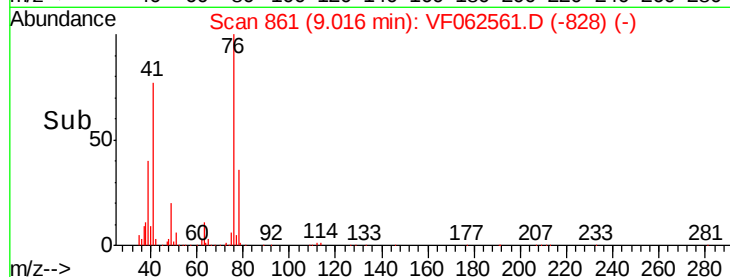
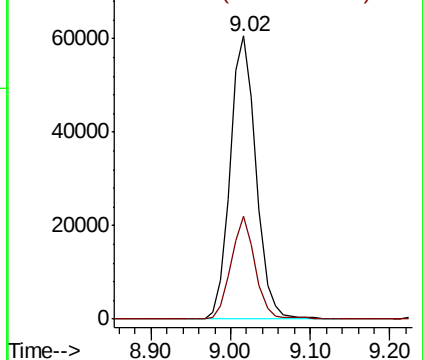
76 100

78 33.8 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 237.894 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.02 min

Lab File: VF062561.D

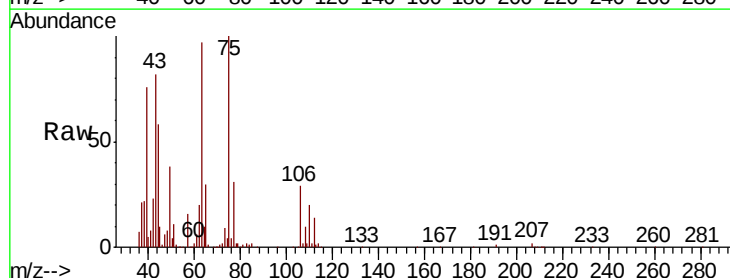
Acq: 14 May 2019 1:15

Tgt Ion: 63 Resp: 126092

Ion Ratio Lower Upper

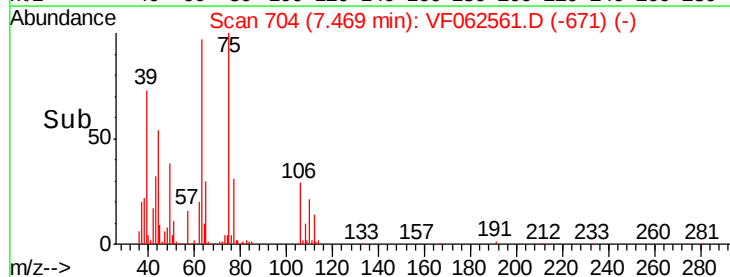
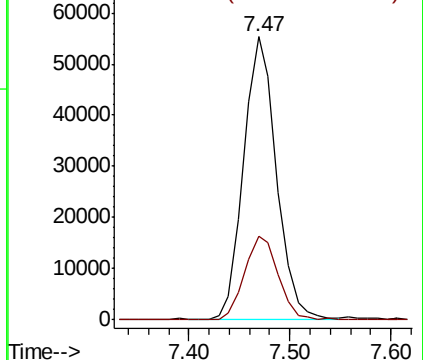
63 100

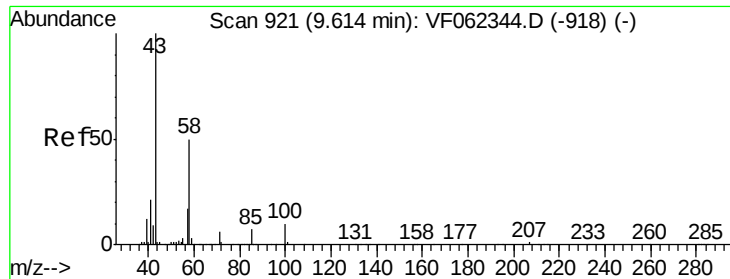
106 30.4 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

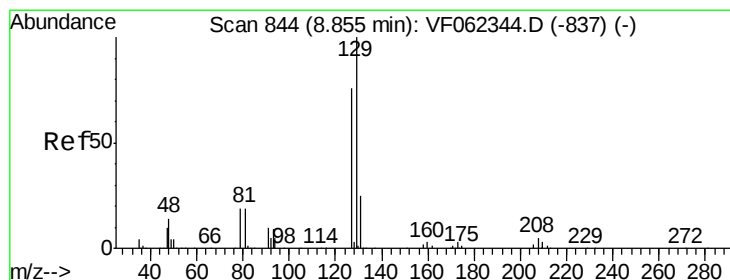
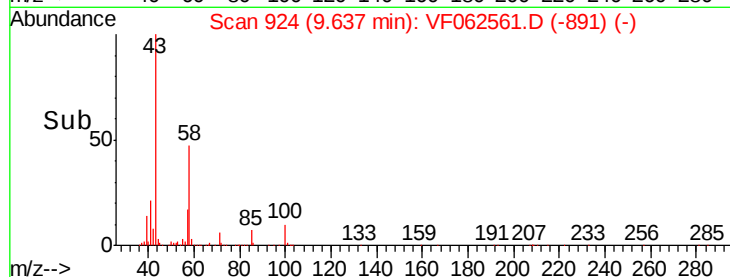
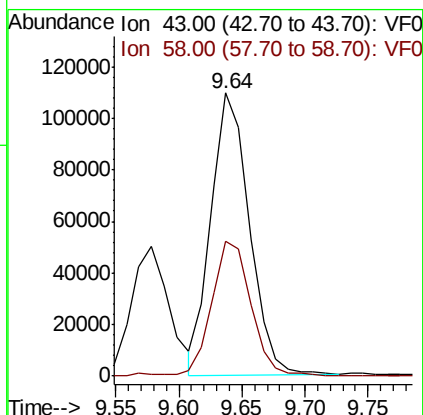
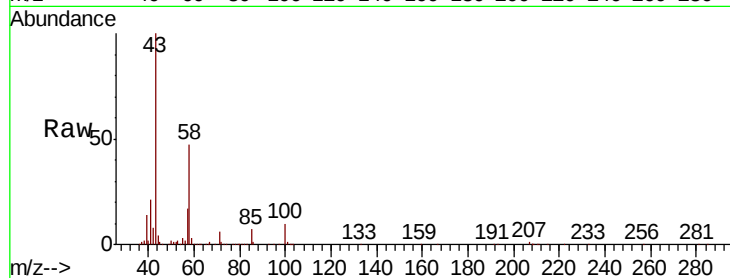




#59
2-Hexanone
Concen: 249.183 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.02 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

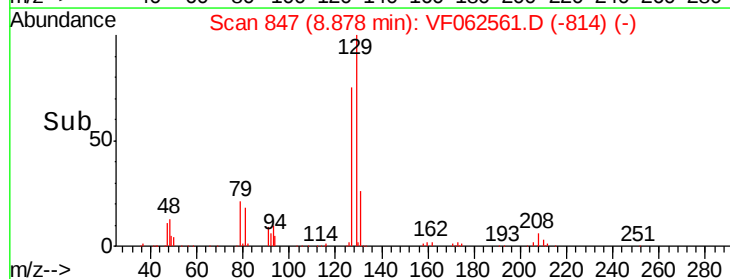
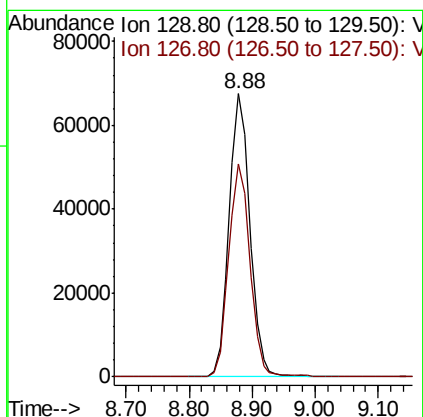
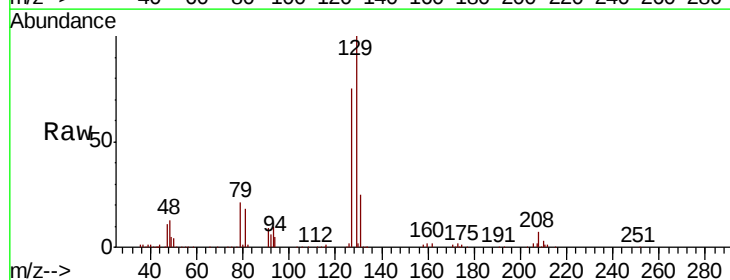
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

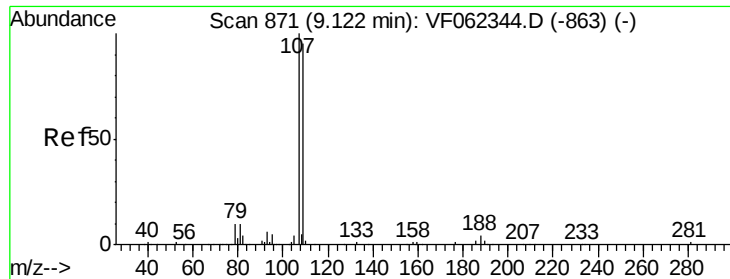
Tot Ion: 43 Resp: 230032
Ion Ratio Lower Upper
43 100
58 49.3 24.3 73.0



#60
Dibromochloromethane
Concen: 56.374 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.02 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

Tgt Ion: 129 Resp: 153989
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.3

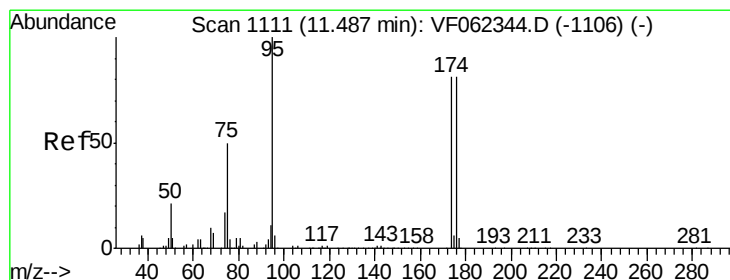
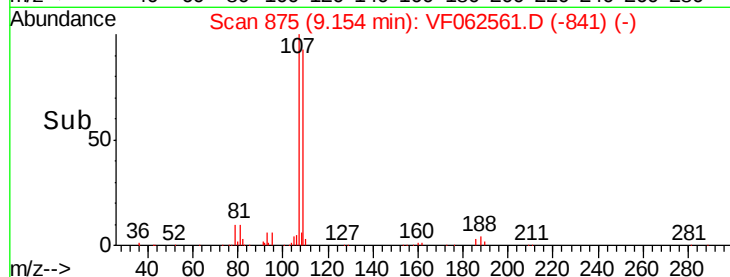
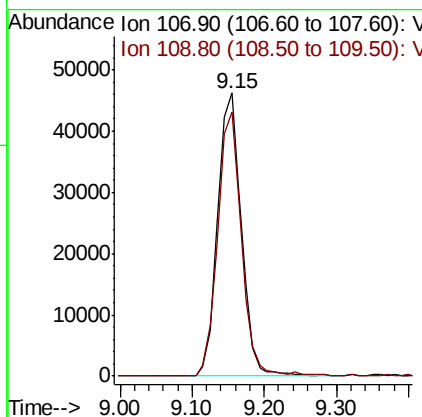
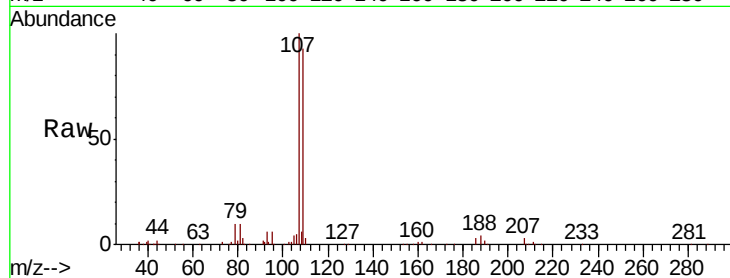




#61
 1,2-Dibromoethane
 Concen: 53.317 ug/l
 RT: 9.15 min Scan# 875
 Delta R.T. 0.03 min
 Lab File: VF062561.D
 Acq: 14 May 2019 1:15

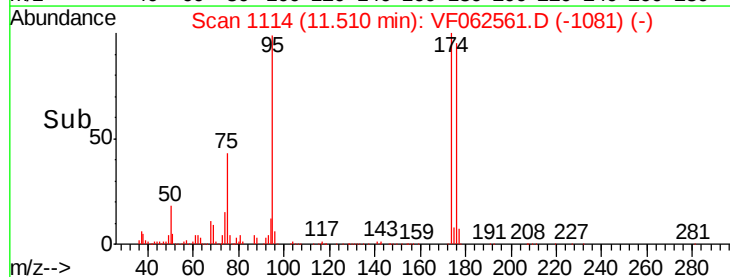
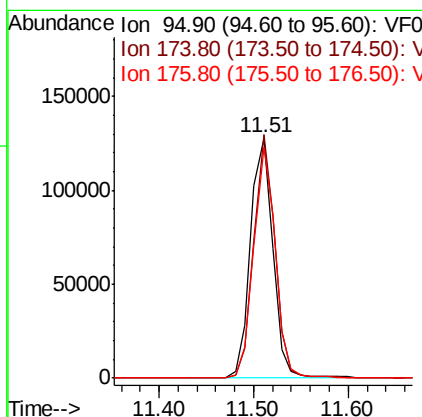
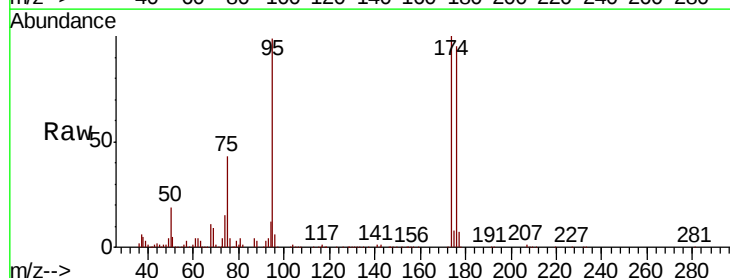
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

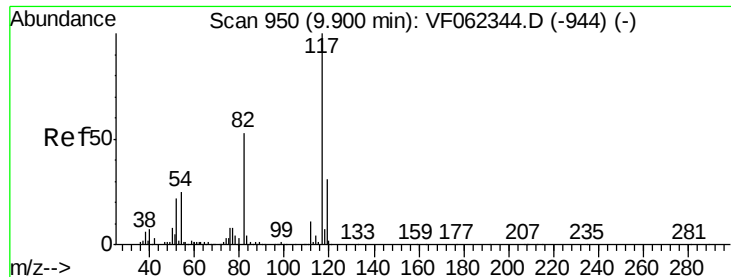
Tot Ion:107 Resp: 104657
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 53.516 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.02 min
 Lab File: VF062561.D
 Acq: 14 May 2019 1:15

Tgt Ion: 95 Resp: 209918
 Ion Ratio Lower Upper
 95 100
 174 96.1 0.0 191.8
 176 94.5 0.0 193.2

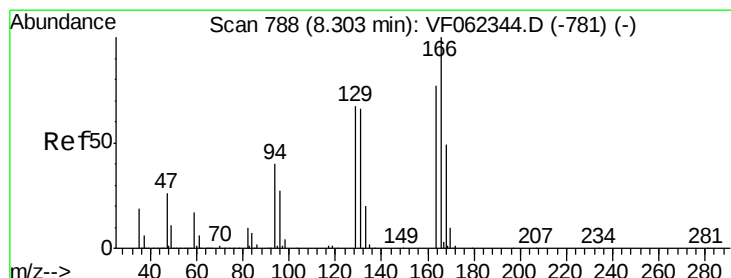
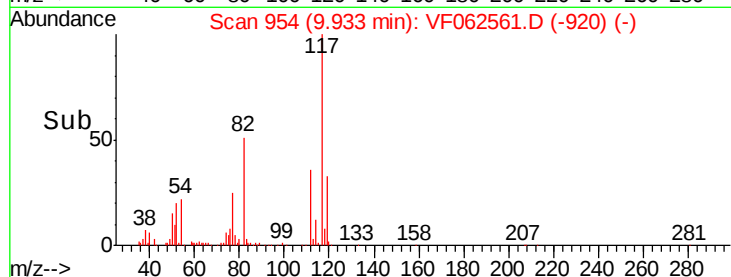
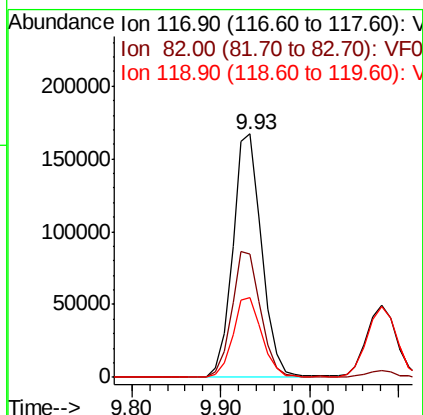
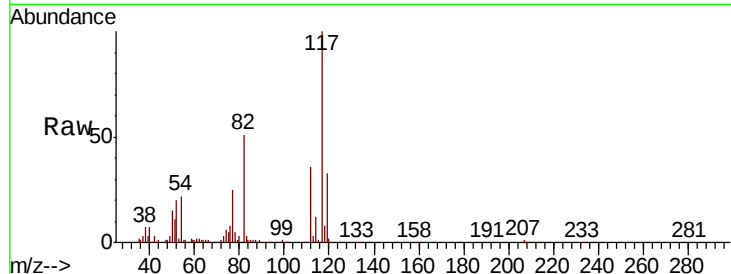




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.03 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

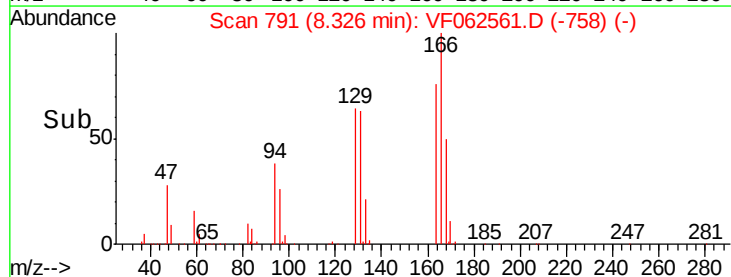
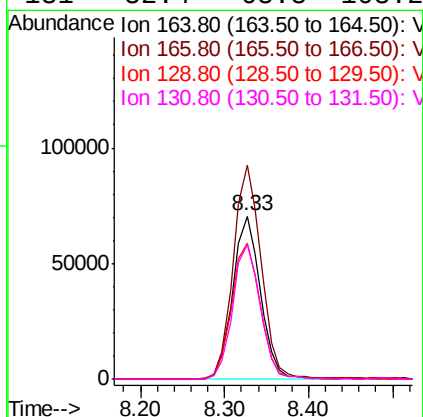
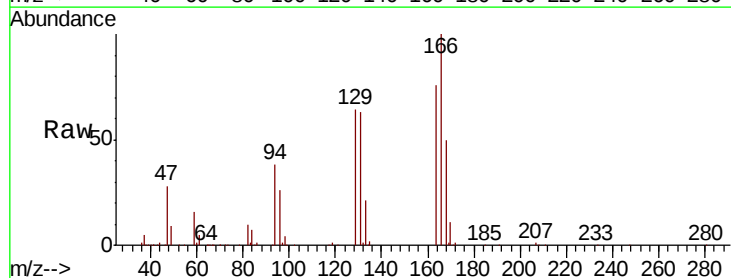
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

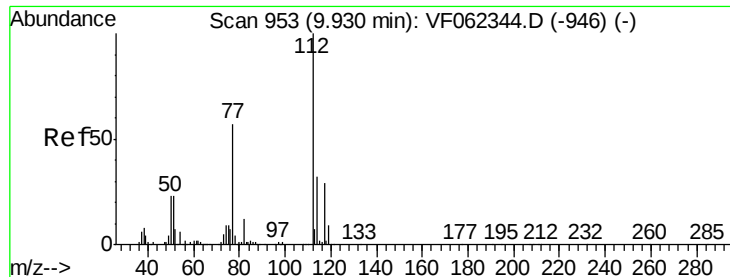
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	42.2	63.2
119	32.7	25.0	37.4



#64
Tetrachloroethene
Concen: 52.361 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.02 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	104.2	156.4
129	83.8	69.6	104.4
131	82.4	68.8	103.2

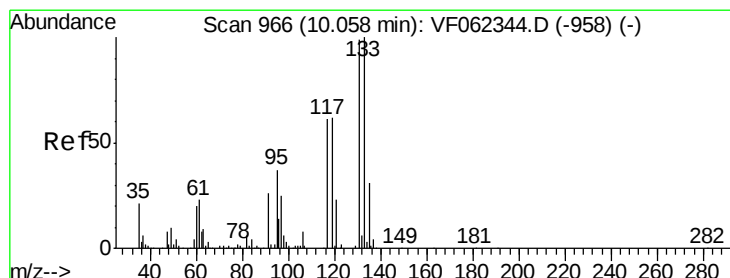
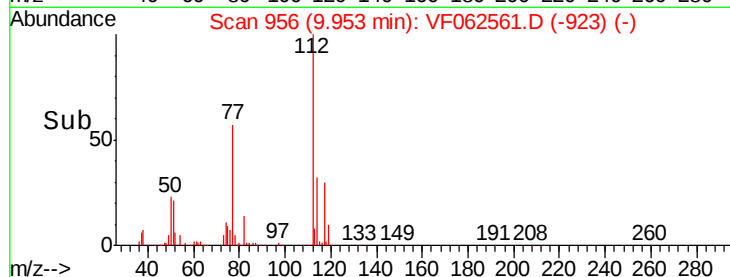
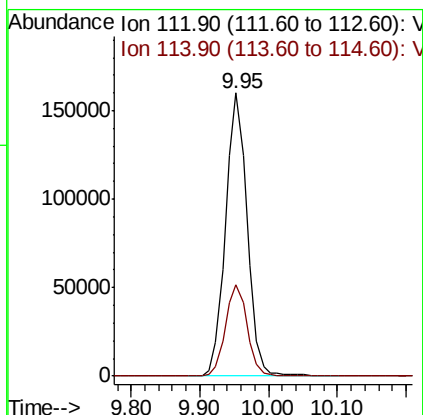
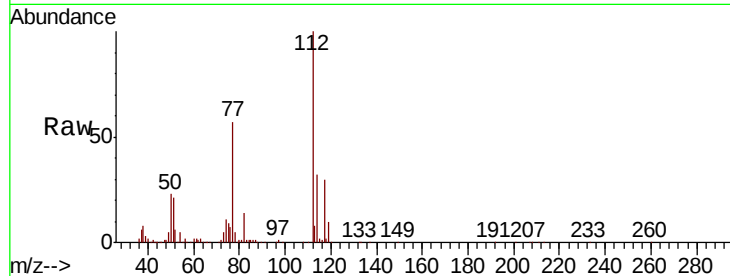




#65
Chlorobenzene
Concen: 55.492 ug/l
RT: 9.95 min Scan# 956
Delta R.T. 0.02 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

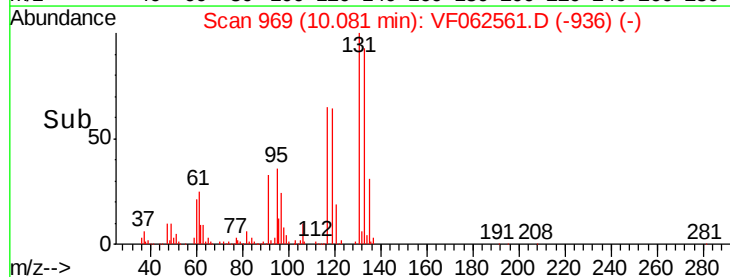
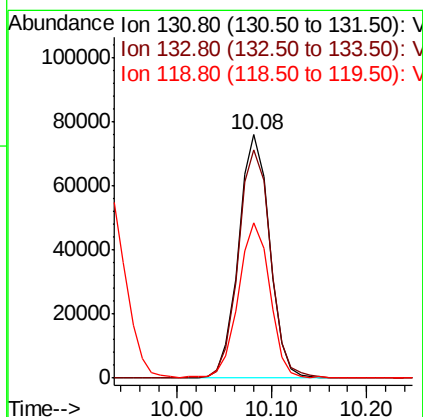
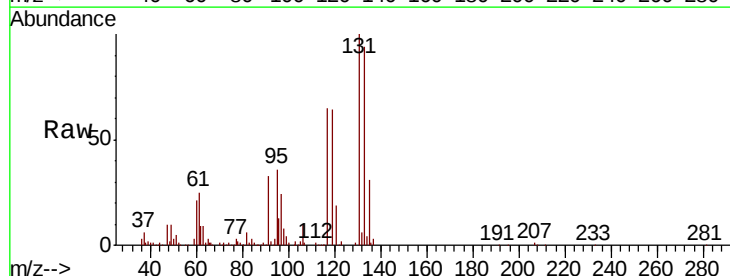
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

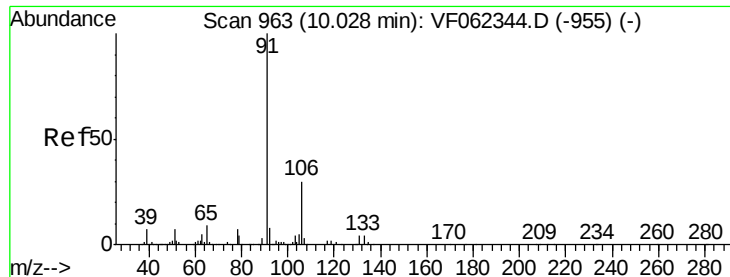
Tot Ion:112 Resp: 348682
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 54.587 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.02 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

Tgt Ion:131 Resp: 173030
Ion Ratio Lower Upper
131 100
133 97.1 50.2 150.7
119 64.9 31.6 95.0





#67

Ethyl Benzene

Concen: 54.692 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.02 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

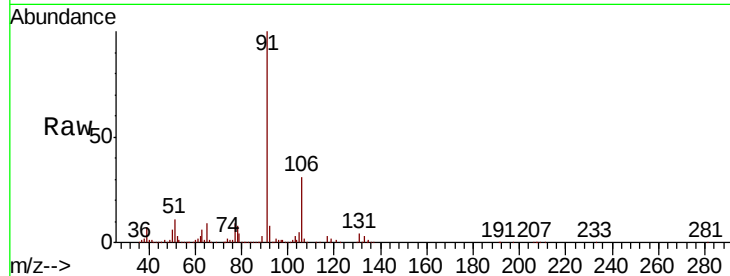
VSTDCCC050

Tot Ion: 91 Resp: 601760

Ion Ratio Lower Upper

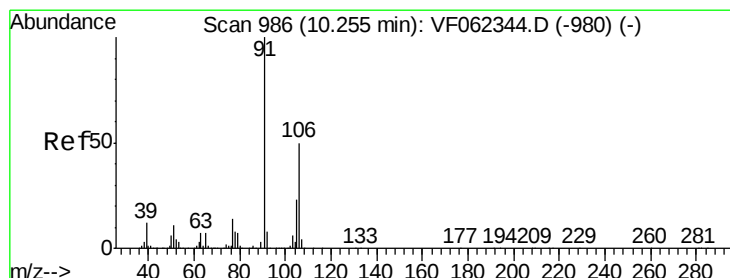
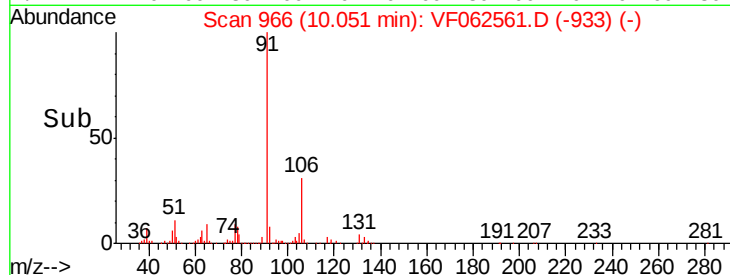
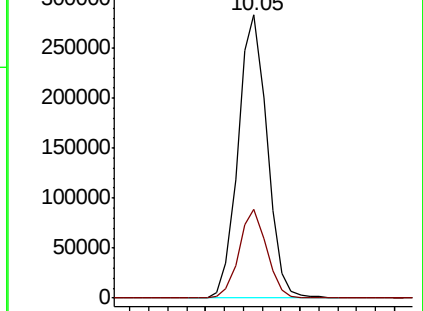
91 100

106 31.5 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 109.335 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.02 min

Lab File: VF062561.D

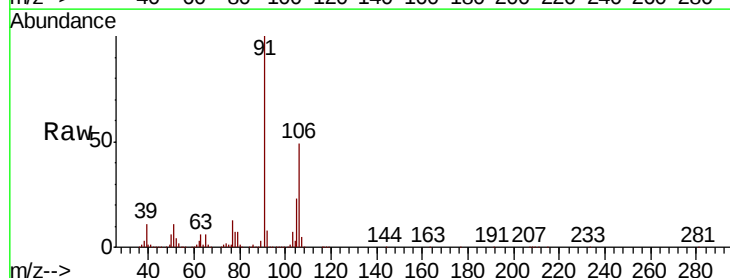
Acq: 14 May 2019 1:15

Tgt Ion: 106 Resp: 443861

Ion Ratio Lower Upper

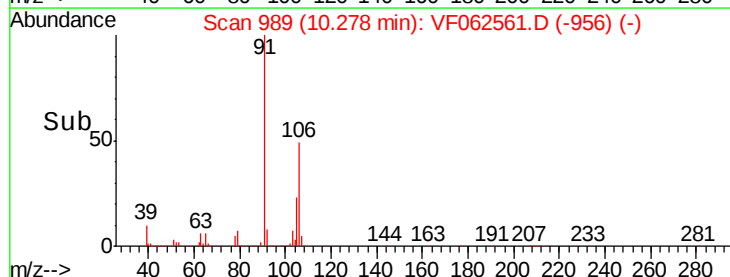
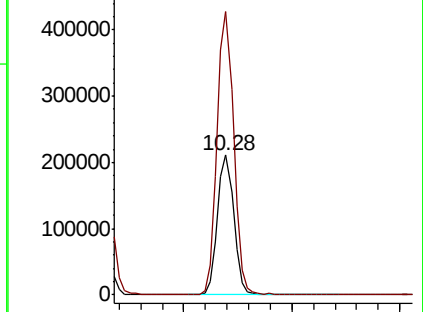
106 100

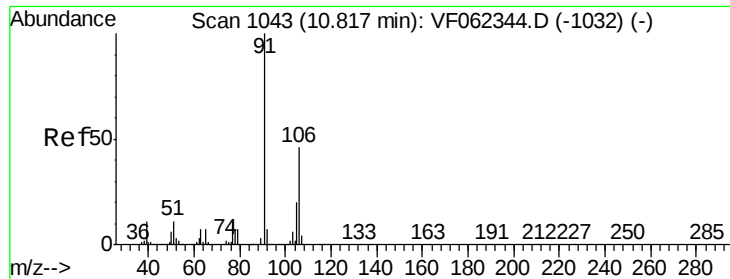
91 203.9 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

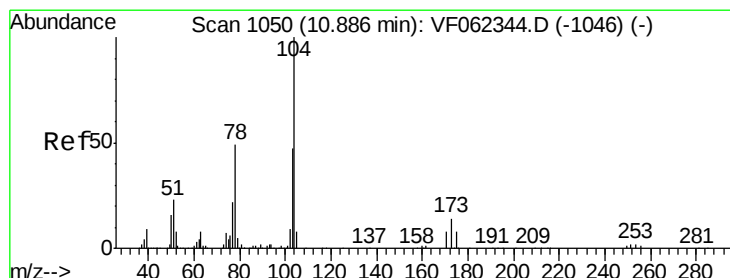
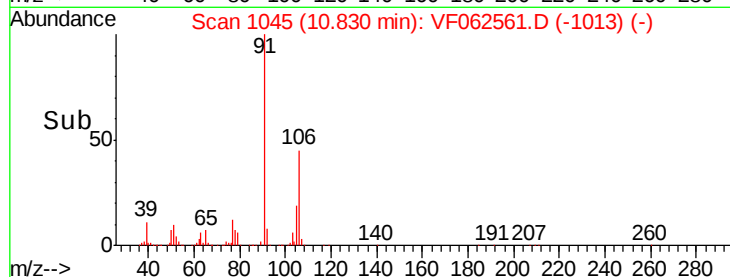
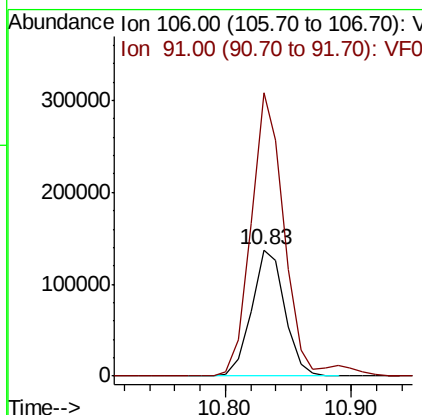
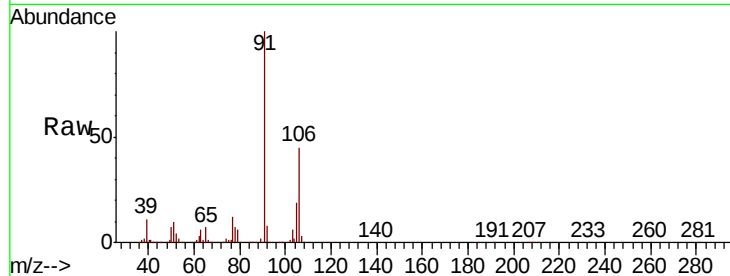




#69
o-Xylene
Concen: 57.372 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

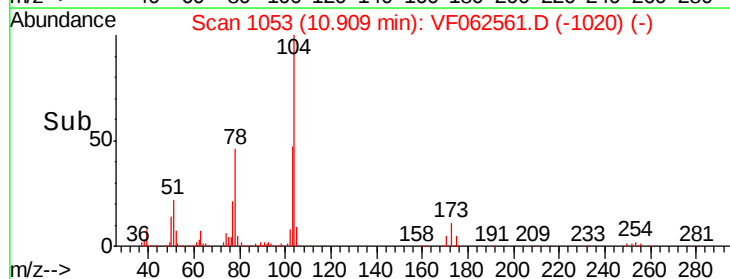
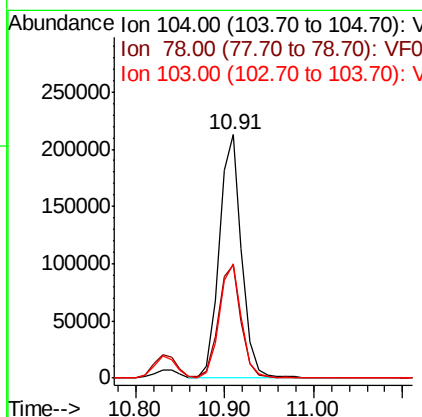
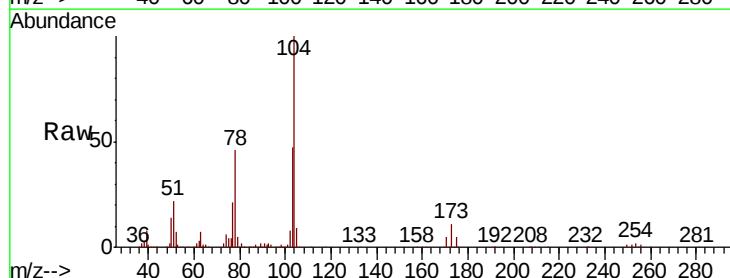
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

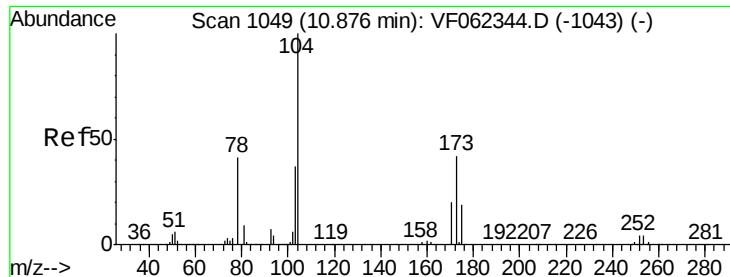
Tot Ion:106 Resp: 251675
Ion Ratio Lower Upper
106 100
91 219.7 111.3 333.8



#70
Styrene
Concen: 56.661 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.02 min
Lab File: VF062561.D
Acq: 14 May 2019 1:15

Tgt Ion:104 Resp: 372513
Ion Ratio Lower Upper
104 100
78 47.4 39.5 59.3
103 47.2 38.4 57.6





#71

Bromoform

Concen: 53.616 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

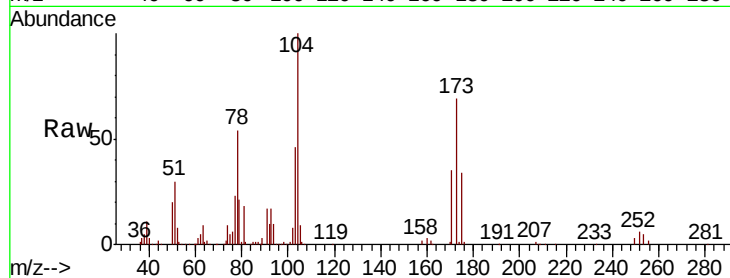
Tot Ion:173 Resp: 93109

Ion Ratio Lower Upper

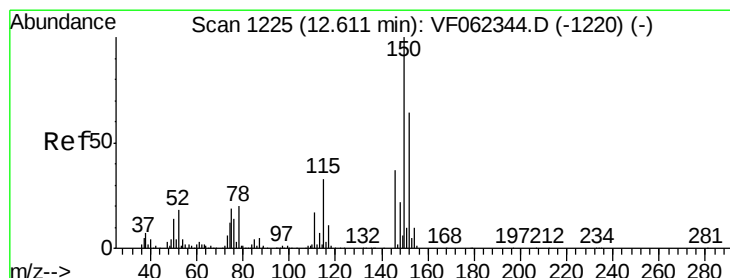
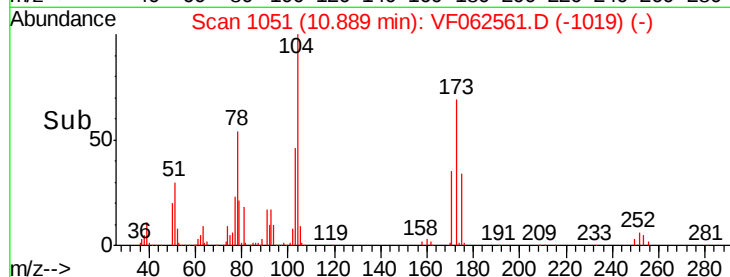
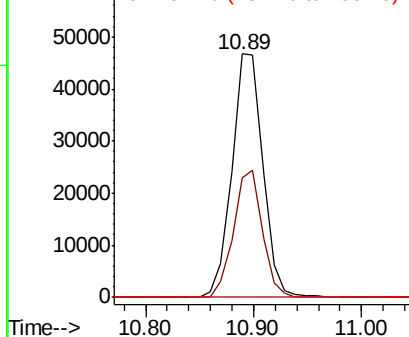
173 100

175 48.5 23.8 71.2

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

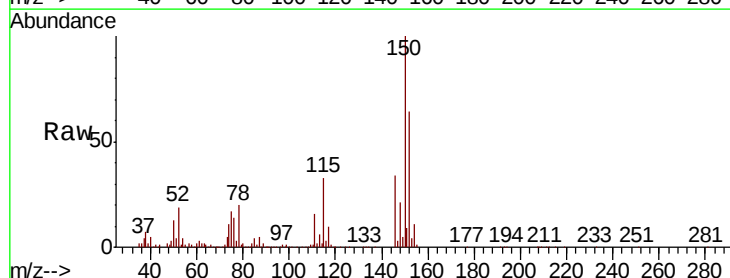
Tgt Ion:152 Resp: 237460

Ion Ratio Lower Upper

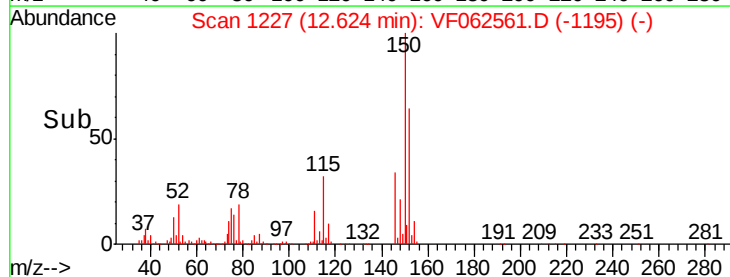
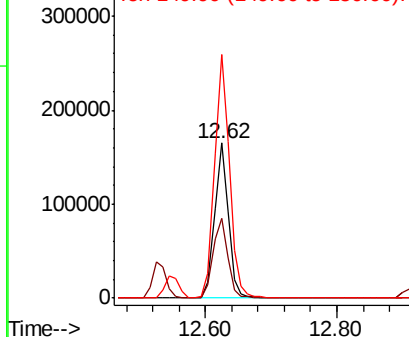
152 100

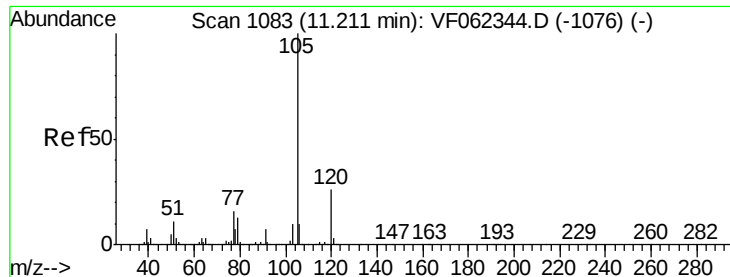
115 53.7 26.4 79.2

150 169.1 0.0 335.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.846 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

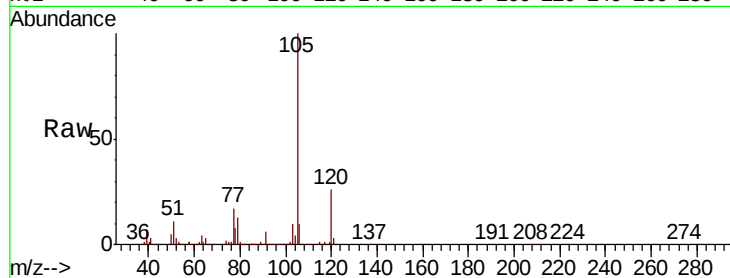
VSTDCCC050

Tot Ion:105 Resp: 772091

Ion Ratio Lower Upper

105 100

120 26.0 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

400000

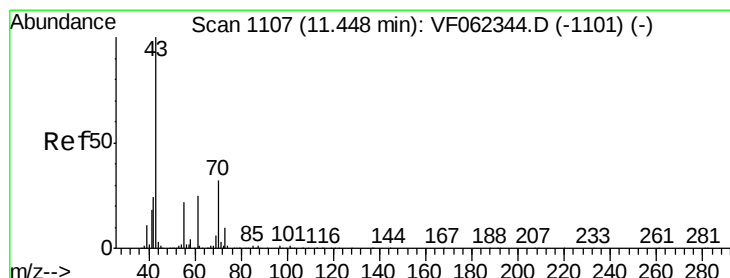
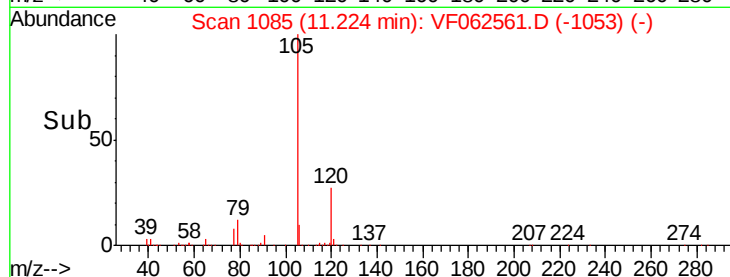
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 51.180 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Tgt Ion: 43 Resp: 154678

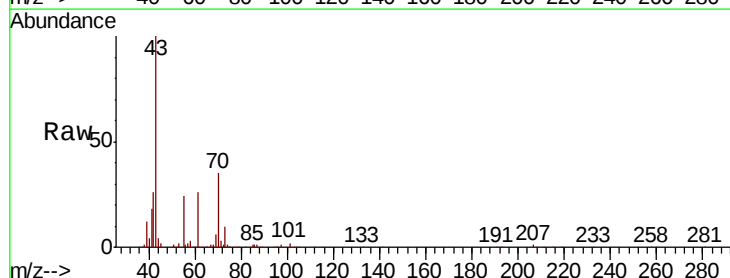
Ion Ratio Lower Upper

43 100

70 35.1 26.5 39.7

55 23.4 17.8 26.6

61 24.6 20.2 30.2



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

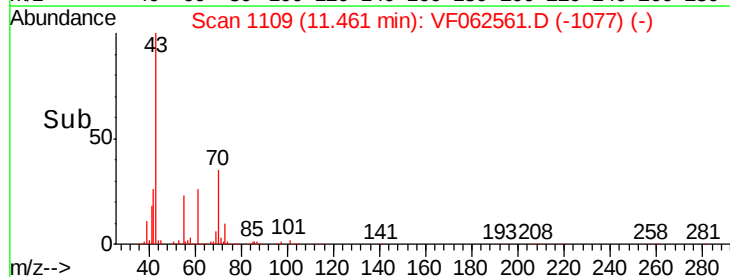
150000

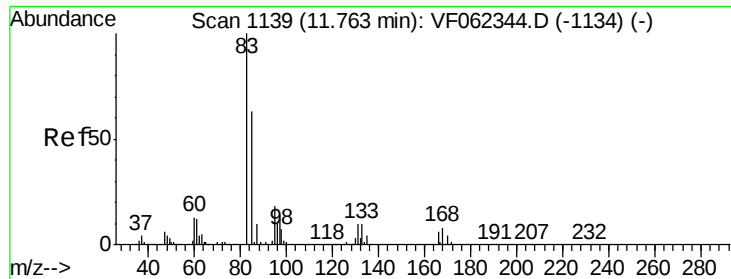
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.711 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.02 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

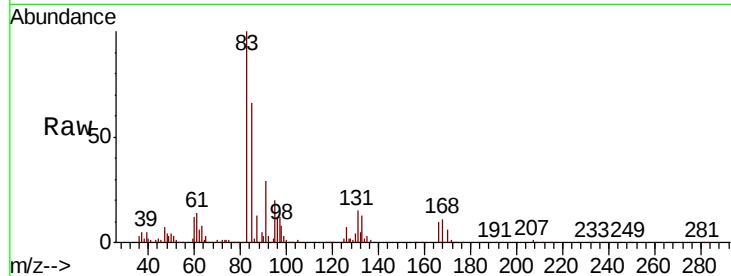
Tot Ion: 83 Resp: 122797

Ion Ratio Lower Upper

83 100

131 12.2 5.8 17.4

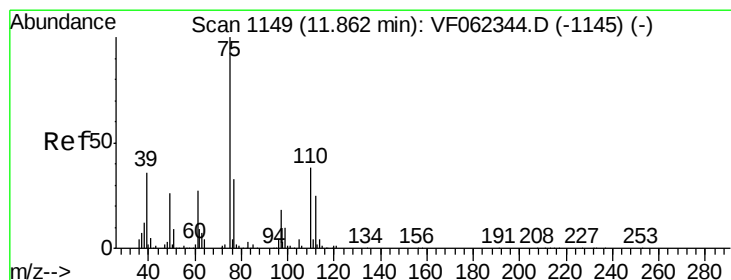
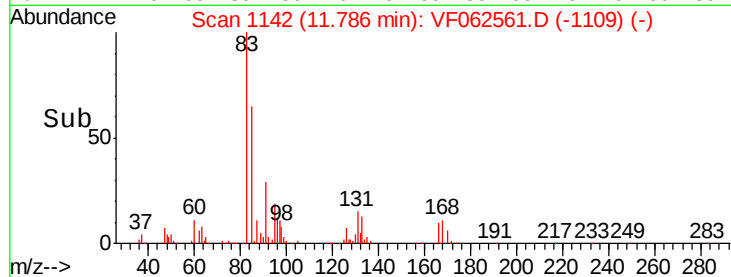
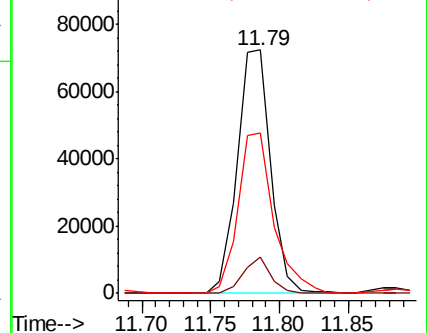
85 70.9 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 54.804 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. 0.02 min

Lab File: VF062561.D

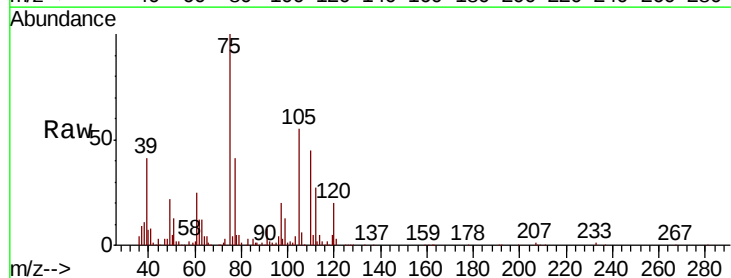
Acq: 14 May 2019 1:15

Tgt Ion: 75 Resp: 92161

Ion Ratio Lower Upper

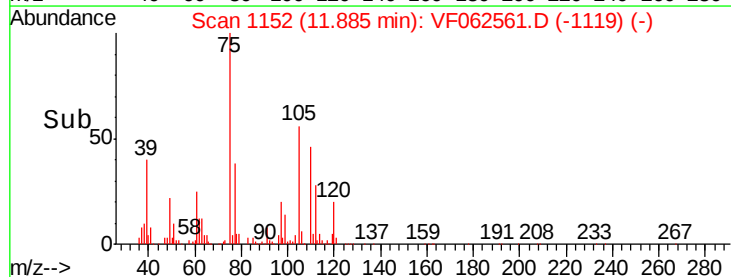
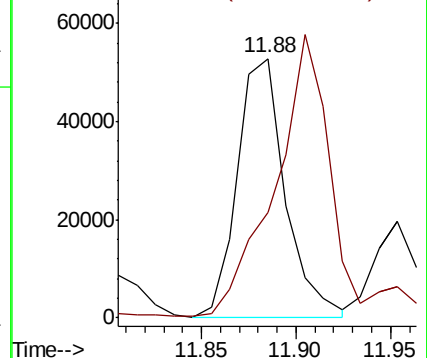
75 100

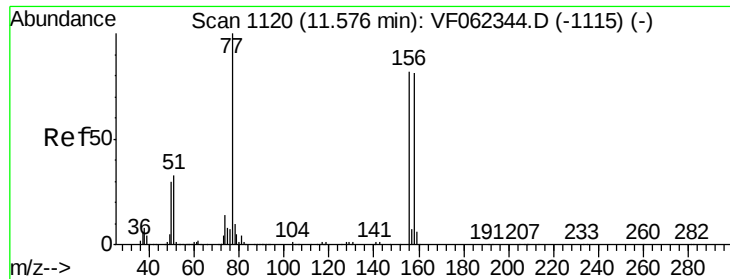
77 131.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 54.277 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

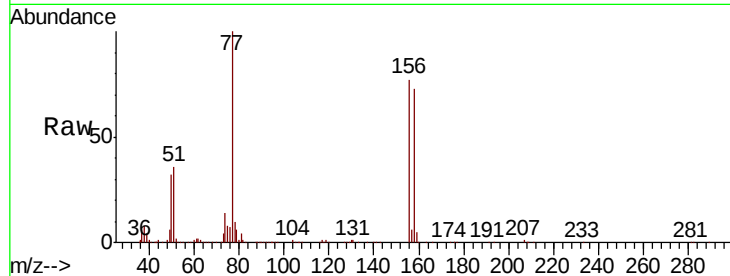
Tot Ion:156 Resp: 200533

Ion Ratio Lower Upper

156 100

77 125.8 64.8 194.3

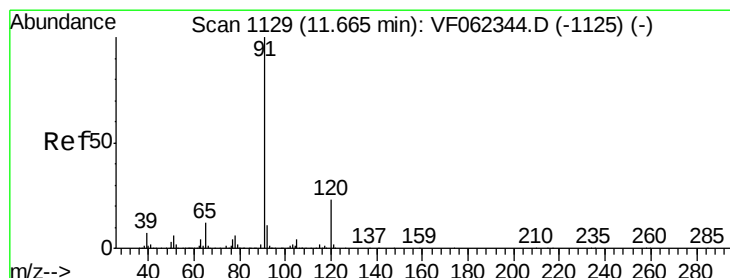
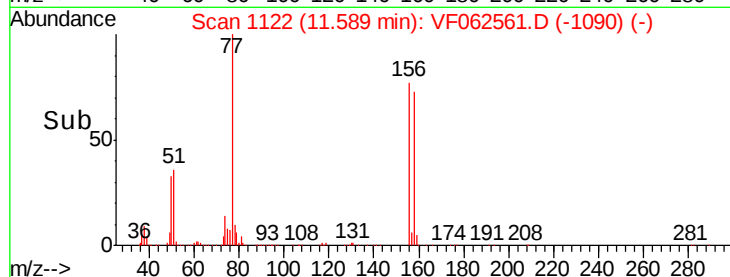
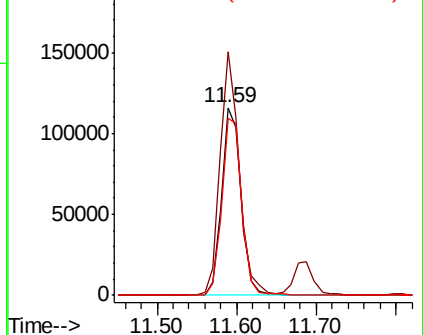
158 96.7 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.989 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.02 min

Lab File: VF062561.D

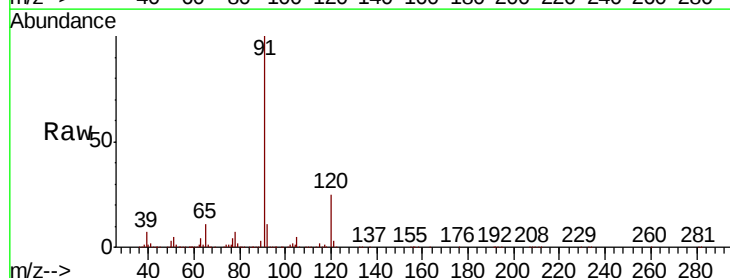
Acq: 14 May 2019 1:15

Tgt Ion: 91 Resp: 809173

Ion Ratio Lower Upper

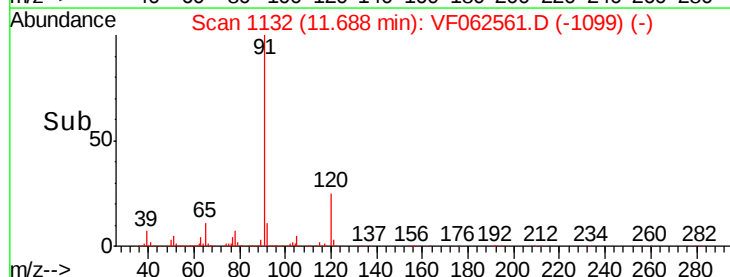
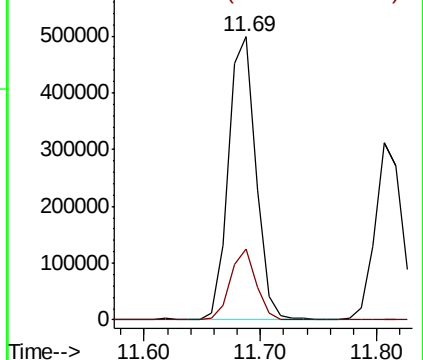
91 100

120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

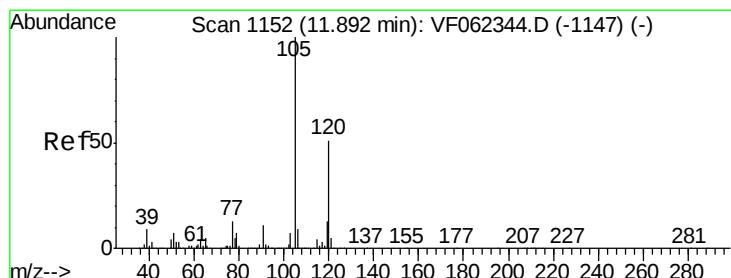
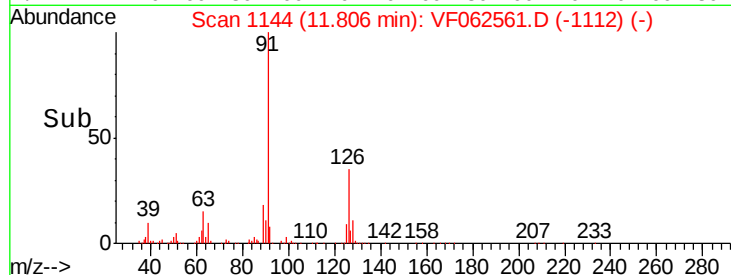
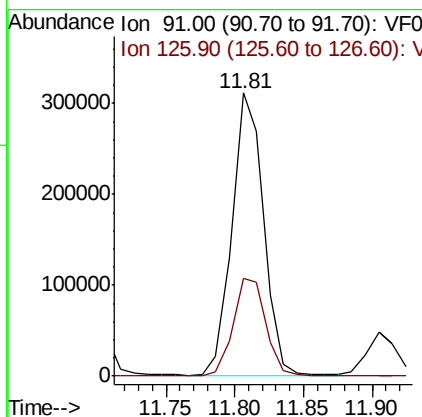
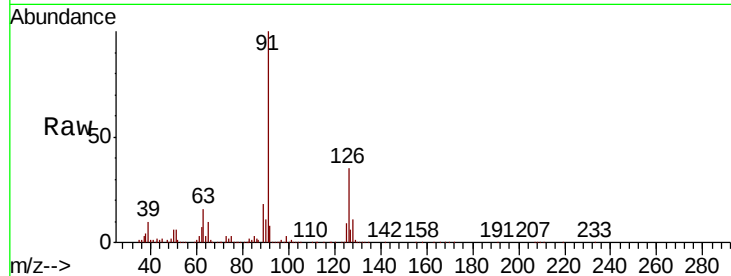




#79
 2-Chlorotoluene
 Concen: 53.054 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VF062561.D
 Acq: 14 May 2019 1:15

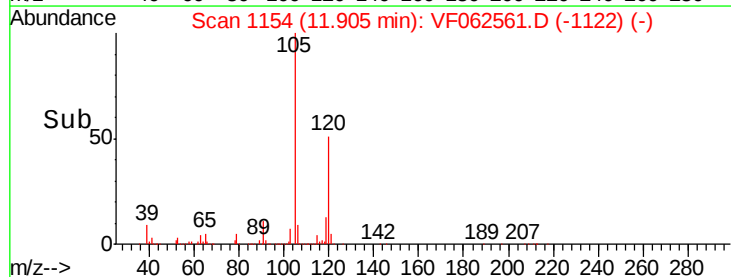
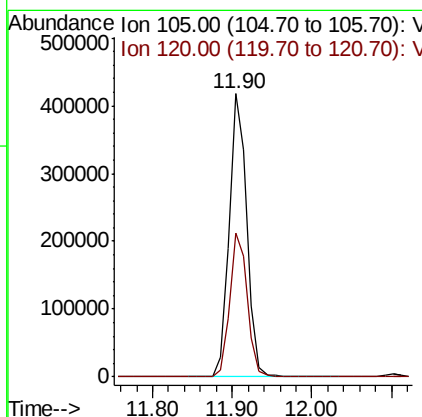
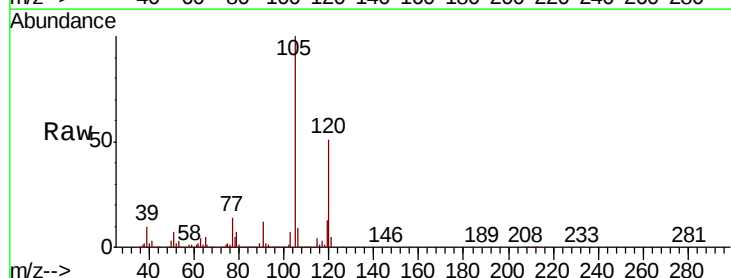
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

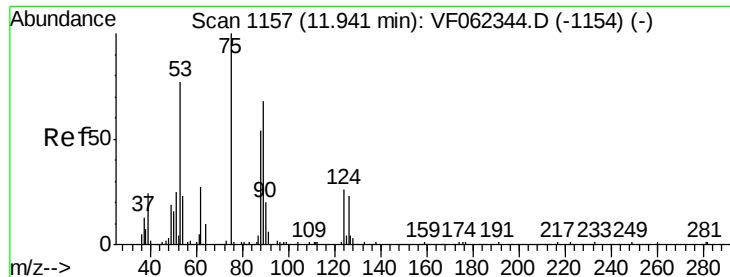
Tot Ion: 91 Resp: 494441
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 52.848 ug/l
 RT: 11.90 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: VF062561.D
 Acq: 14 May 2019 1:15

Tgt Ion: 105 Resp: 652081
 Ion Ratio Lower Upper
 105 100
 120 50.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 71.943 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

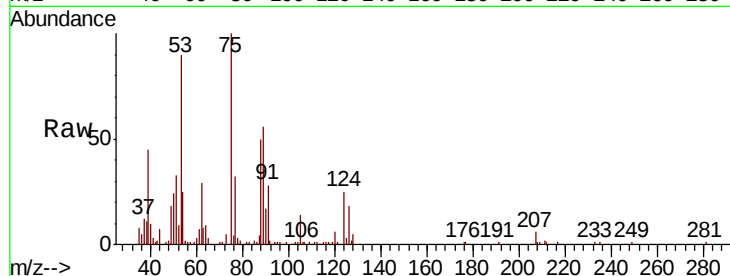
Tot Ion: 75 Resp: 45476

Ion Ratio Lower Upper

75 100

53 59.0 71.9 107.9#

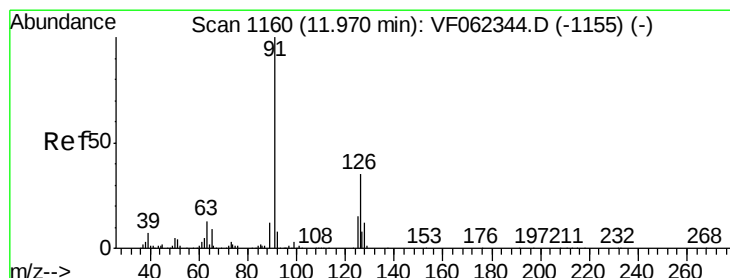
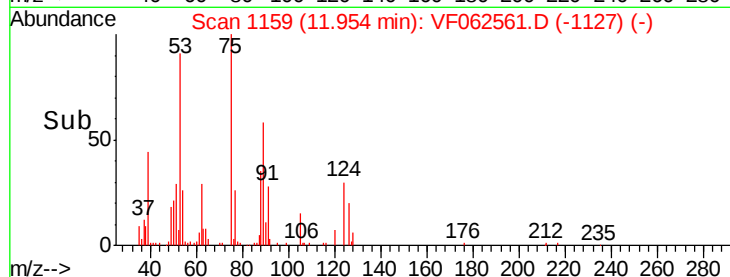
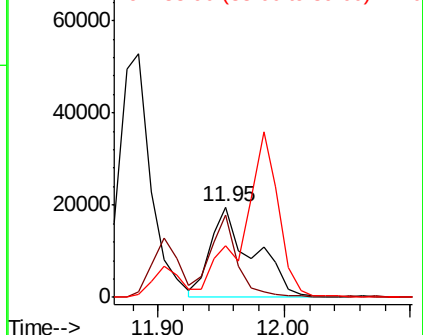
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 52.364 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF062561.D

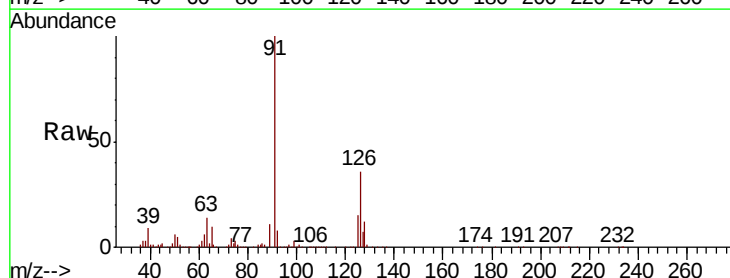
Acq: 14 May 2019 1:15

Tgt Ion: 91 Resp: 481996

Ion Ratio Lower Upper

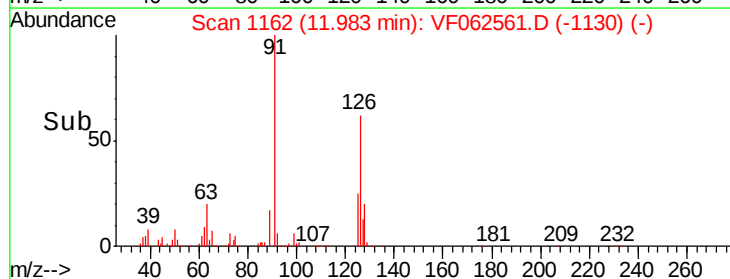
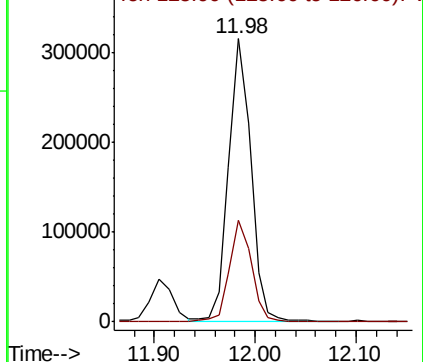
91 100

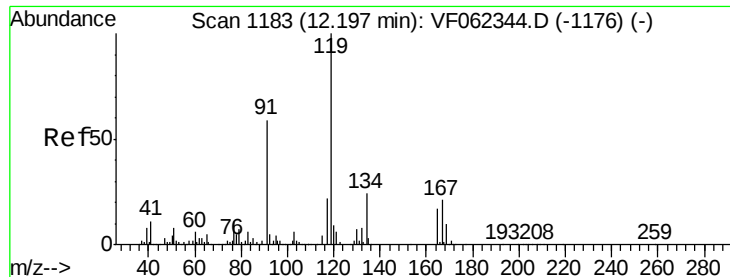
126 35.9 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

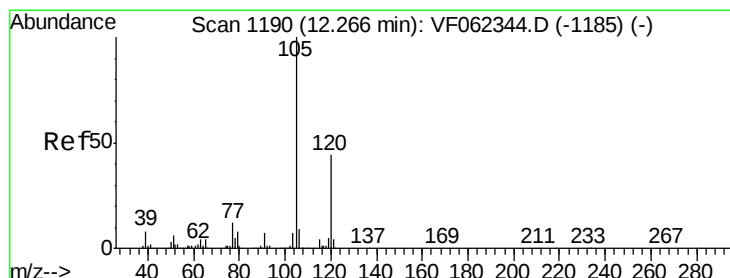
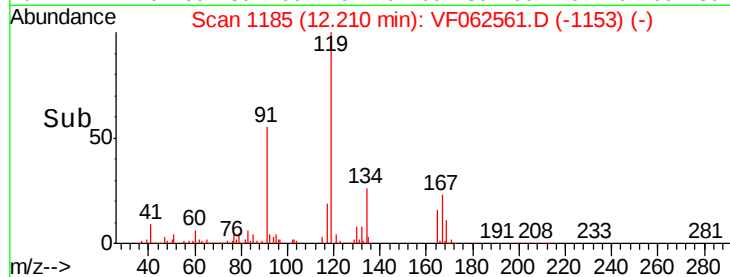
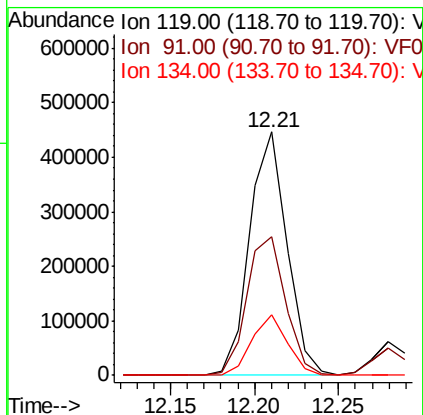
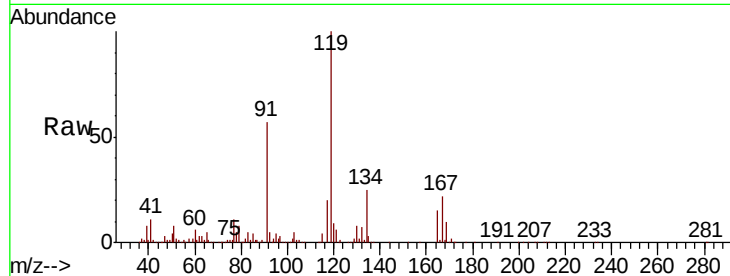




#83
 tert-Butylbenzene
 Concen: 53.035 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: VF062561.D
 Acq: 14 May 2019 1:15

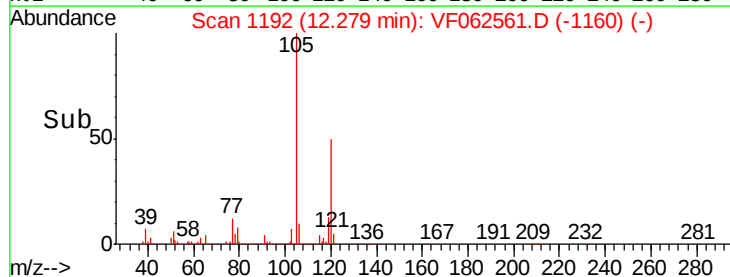
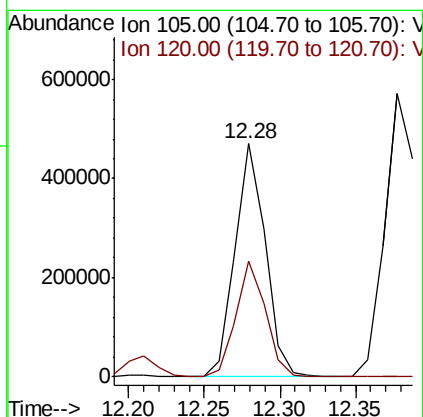
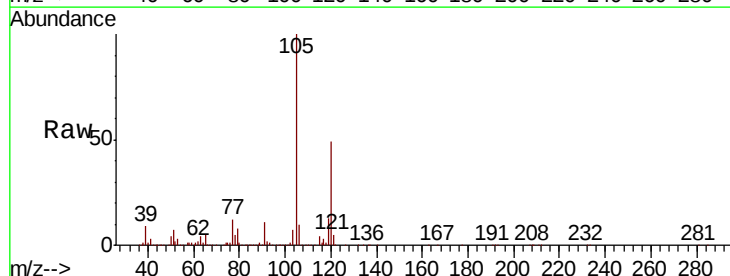
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

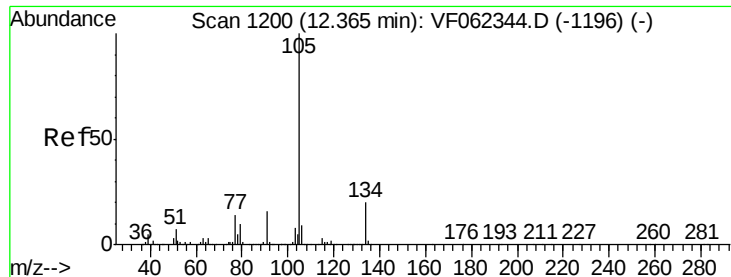
Tot Ion:119 Resp: 687723
 Ion Ratio Lower Upper
 119 100
 91 59.3 30.4 91.3
 134 24.1 11.9 35.7



#84
 1,2,4-Trimethylbenzene
 Concen: 54.462 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF062561.D
 Acq: 14 May 2019 1:15

Tgt Ion:105 Resp: 657631
 Ion Ratio Lower Upper
 105 100
 120 48.5 22.6 67.7





#85

sec-Butylbenzene

Concen: 54.712 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

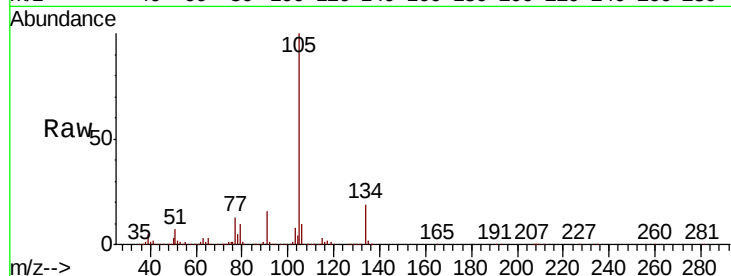
VSTDCCC050

Tot Ion:105 Resp: 863563

Ion Ratio Lower Upper

105 100

134 20.1 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.38

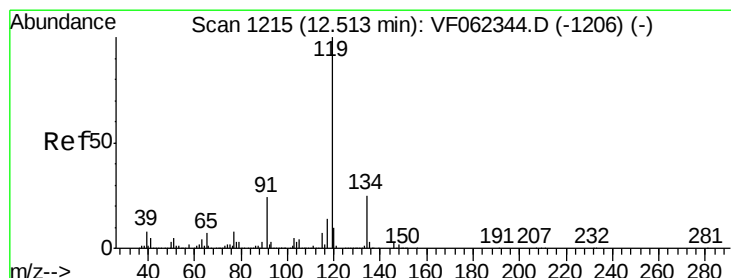
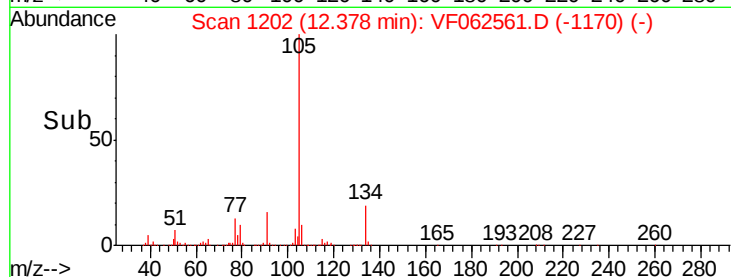
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 54.066 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

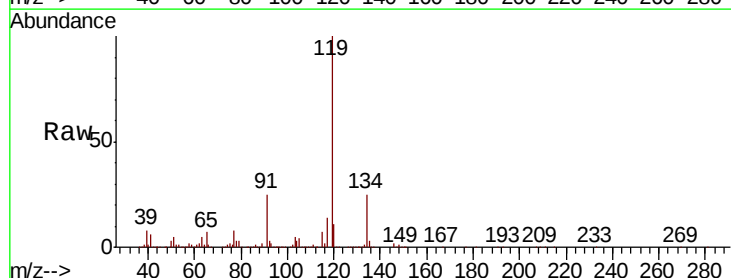
Tgt Ion:119 Resp: 792856

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.7

91 24.3 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.53

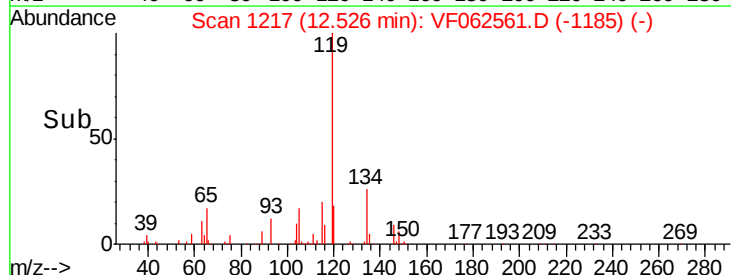
600000

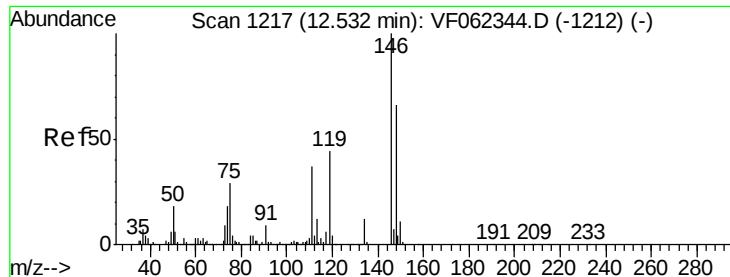
400000

200000

0

Time-->

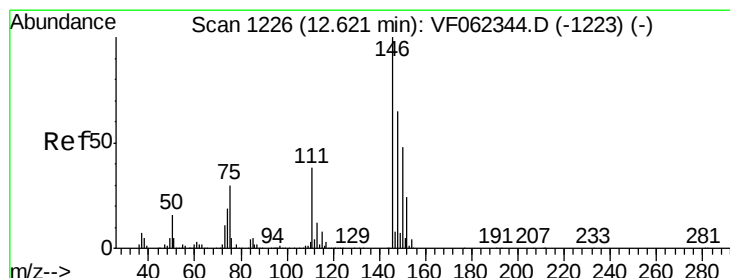
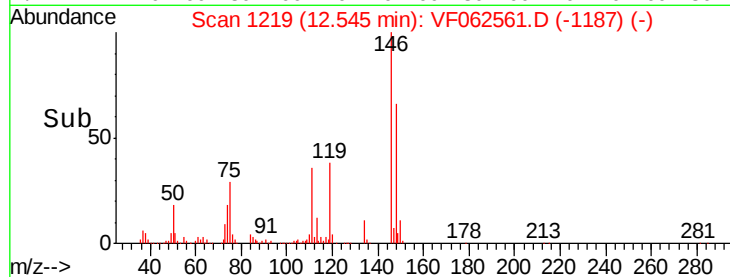
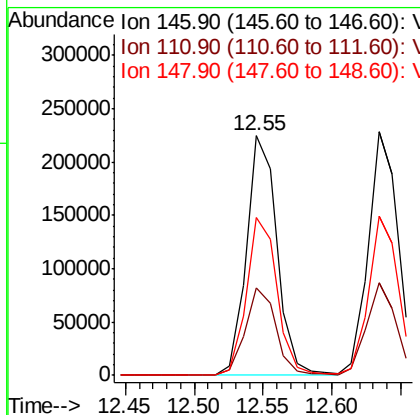
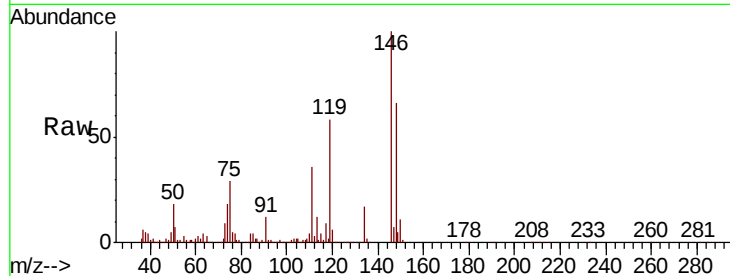




#87
 1,3-Dichlorobenzene
 Concen: 51.836 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062561.D
 Acq: 14 May 2019 1:15

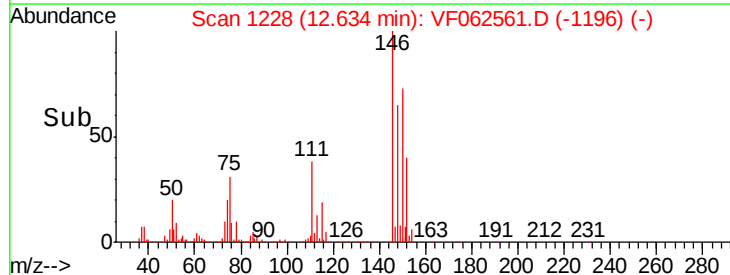
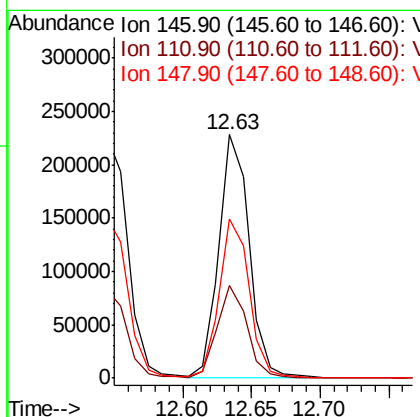
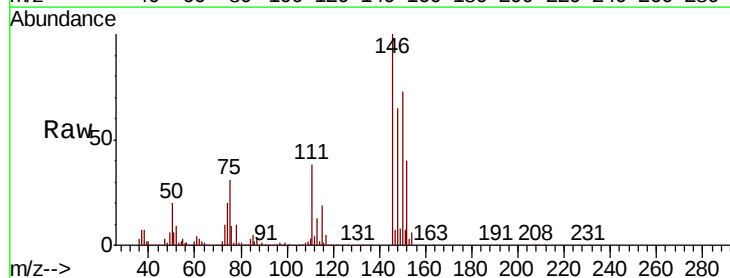
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

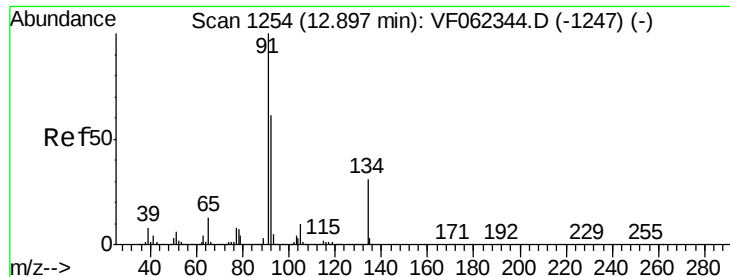
Tot Ion:146 Resp: 349771
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.3 54.8
 148 66.3 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 53.302 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF062561.D
 Acq: 14 May 2019 1:15

Tgt Ion:146 Resp: 347133
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.8 56.3
 148 65.7 32.2 96.6





#89

n-Butylbenzene

Concen: 53.556 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

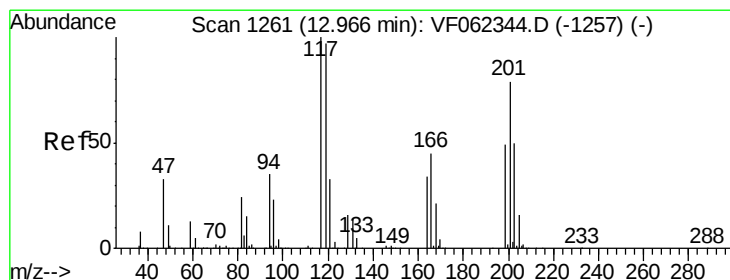
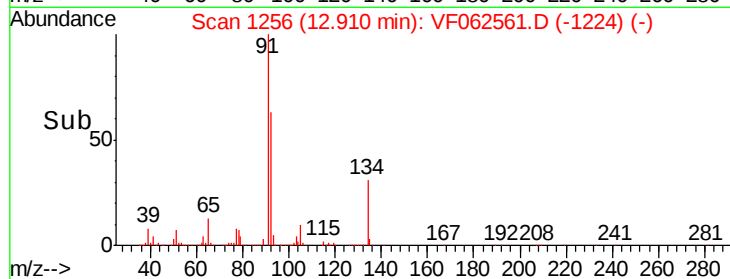
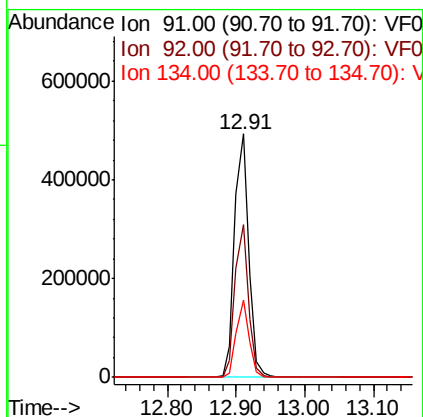
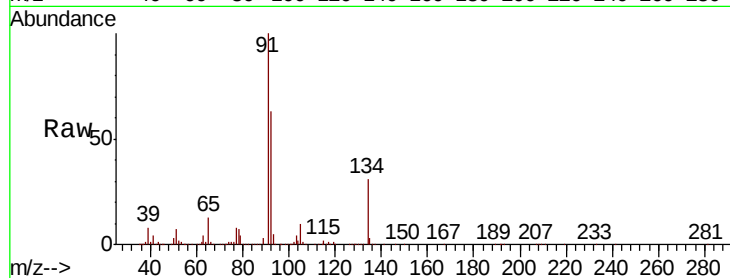
Tot Ion: 91 Resp: 698742

Ion Ratio Lower Upper

91 100

92 60.2 30.0 90.0

134 28.6 14.1 42.4



#90

Hexachloroethane

Concen: 54.700 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062561.D

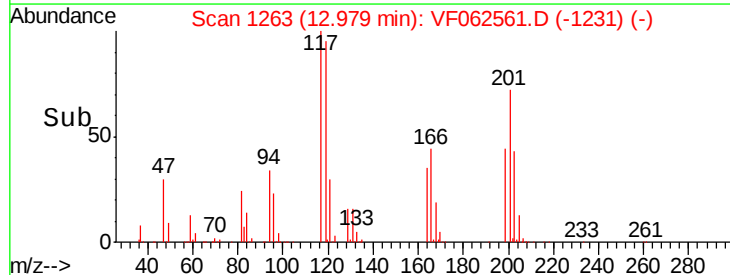
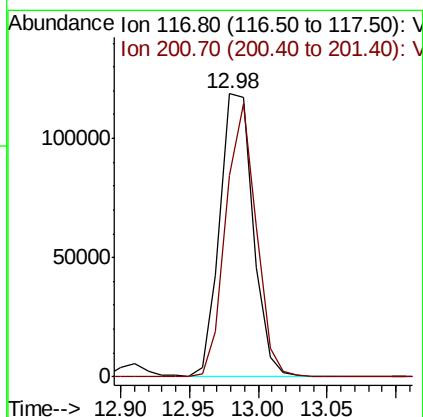
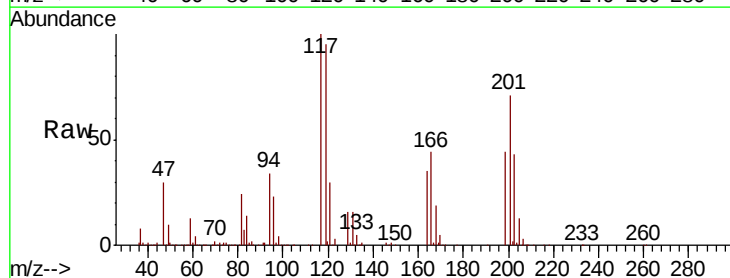
Acq: 14 May 2019 1:15

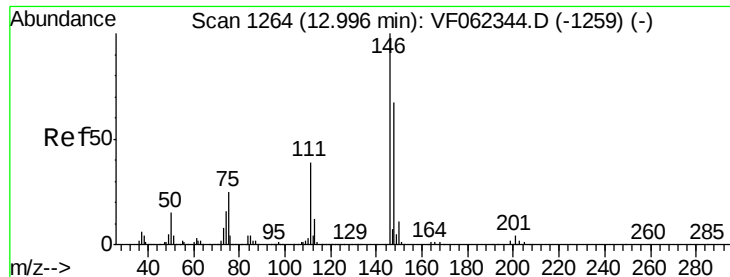
Tgt Ion: 117 Resp: 200288

Ion Ratio Lower Upper

117 100

201 88.1 46.2 138.5





#91

1,2-Dichlorobenzene

Concen: 55.153 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

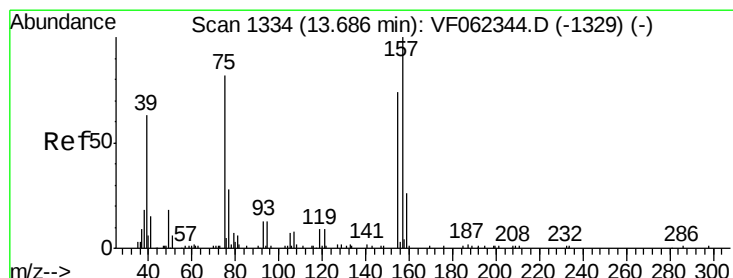
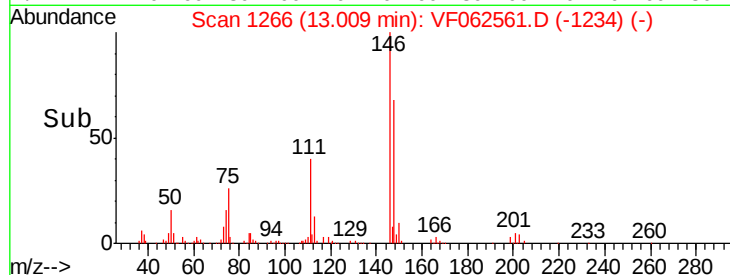
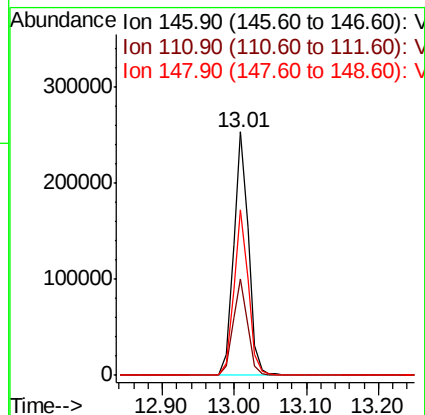
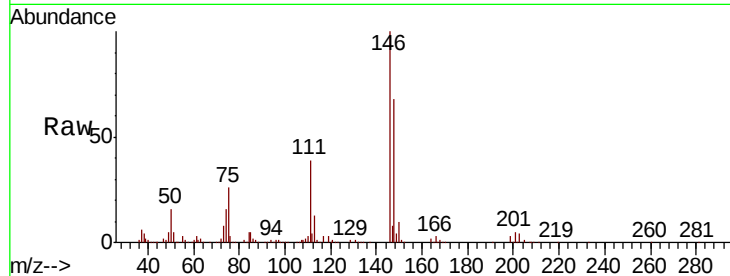
Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	360210
Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	60.0
148	66.7	33.1	99.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.250 ug/l

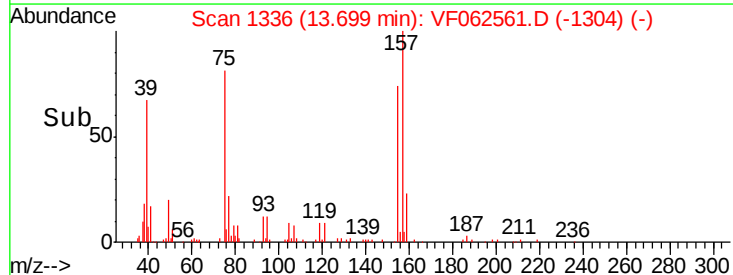
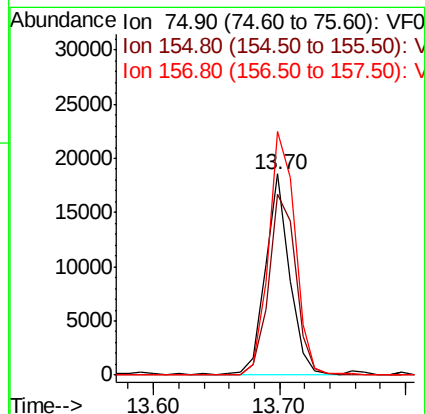
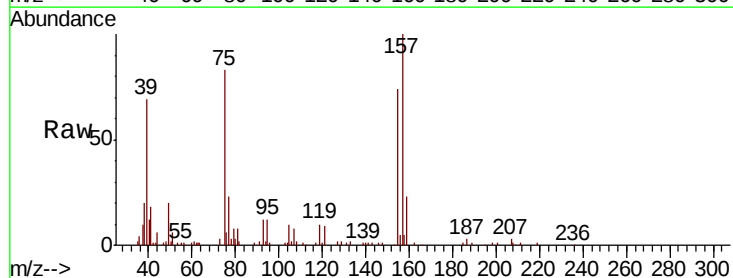
RT: 13.70 min Scan# 1336

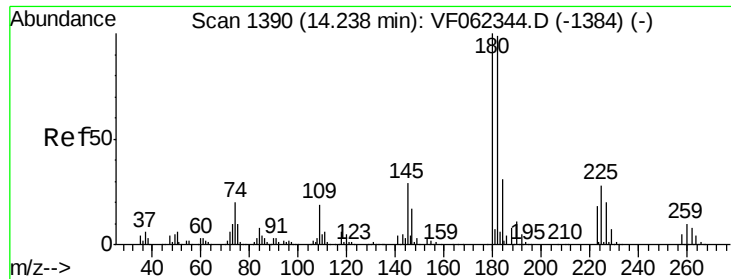
Delta R.T. 0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Tgt Ion:	75	Resp:	24814
Ion	Ratio	Lower	Upper
75	100		
155	100.9	51.8	155.4
157	133.2	67.3	201.8

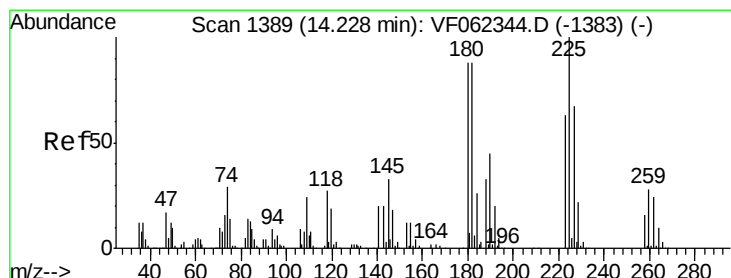
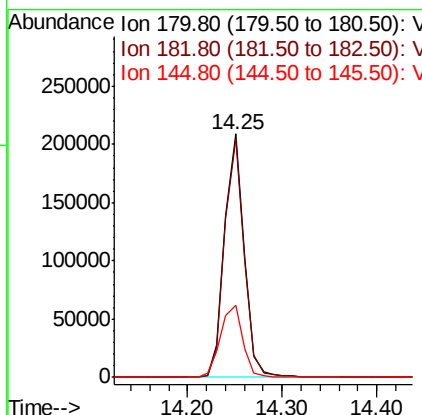
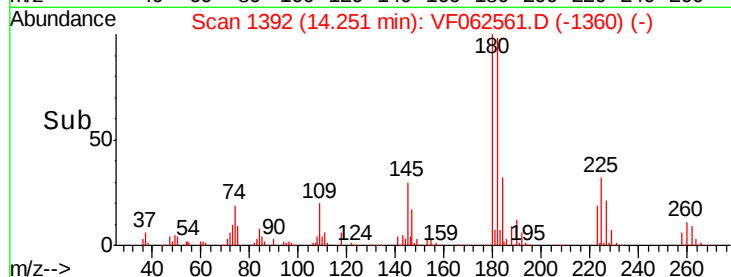
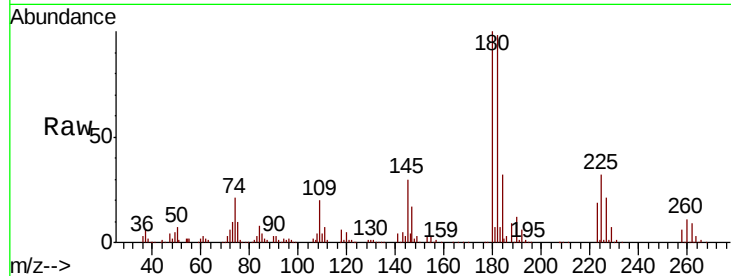




#93
 1,2,4-Trichlorobenzene
 Concen: 51.527 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF062561.D
 Acq: 14 May 2019 1:15

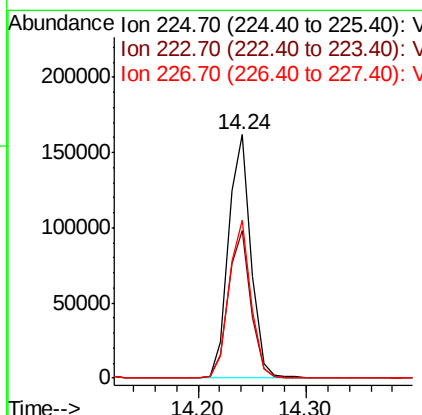
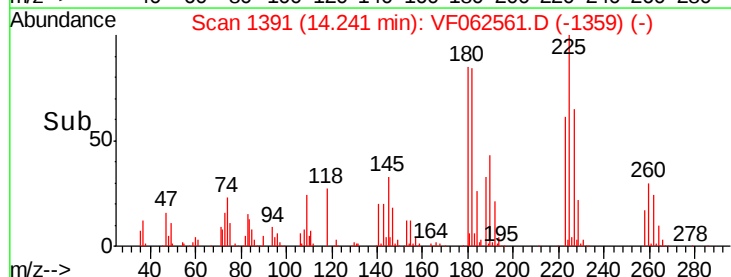
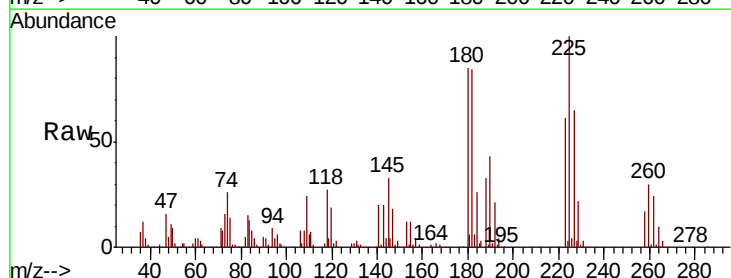
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

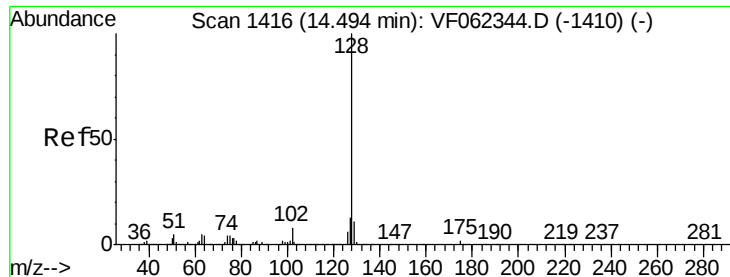
Tot Ion:180 Resp: 301850
 Ion Ratio Lower Upper
 180 100
 182 97.4 49.0 147.0
 145 33.8 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 53.411 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062561.D
 Acq: 14 May 2019 1:15

Tgt Ion:225 Resp: 233205
 Ion Ratio Lower Upper
 225 100
 223 61.0 31.9 95.5
 227 64.1 33.1 99.5





#95

Naphthalene

Concen: 54.434 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Instrument :

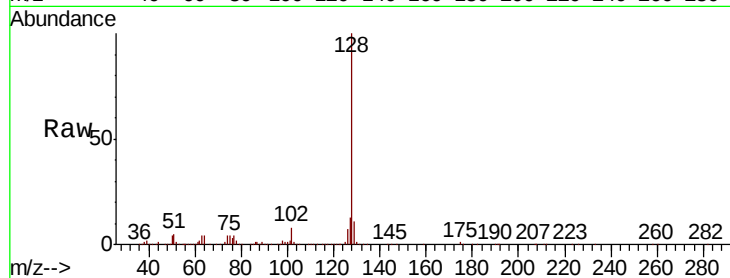
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 479406

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.5	15.7
129	11.1	8.6	12.8

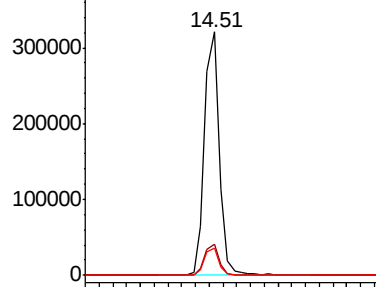


Abundance

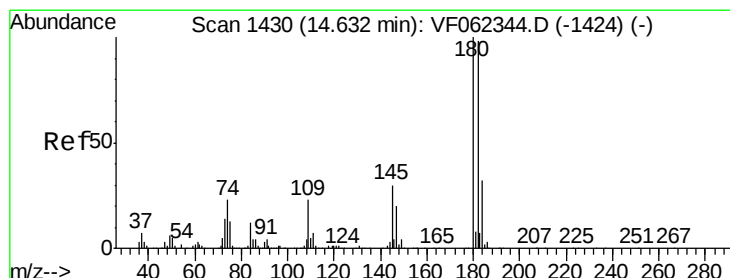
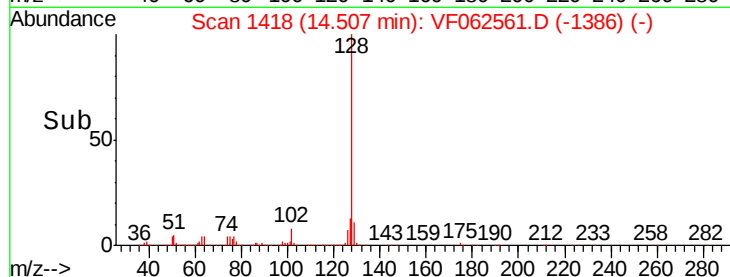
Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 52.188 ug/l

RT: 14.64 min Scan# 1432

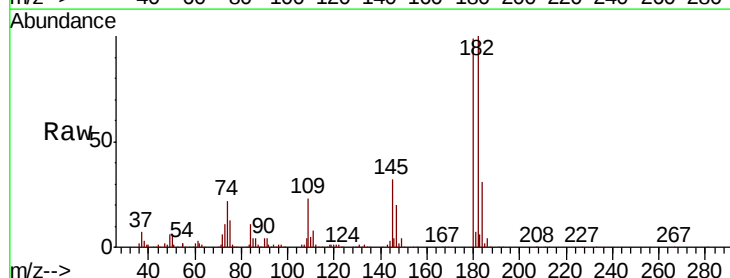
Delta R.T. 0.01 min

Lab File: VF062561.D

Acq: 14 May 2019 1:15

Tgt Ion:180 Resp: 296184

Ion	Ratio	Lower	Upper
180	100		
182	99.2	49.4	148.0
145	30.2	14.8	44.3

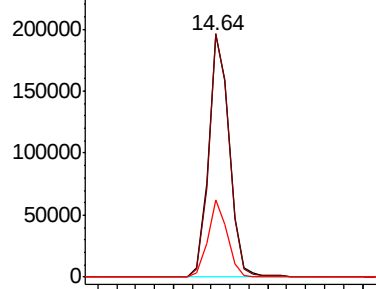


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

