

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031219\
 Data File : VF061904.D
 Acq On : 12 Mar 2019 13:47
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 13 01:55:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	312637	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	453031	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	400123	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	212939	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	124501	54.68	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	109.36%	
35) Dibromofluoromethane	4.09	113	170575	53.95	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	107.90%	
50) Toluene-d8	7.54	98	498983	53.10	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	106.20%	
62) 4-Bromofluorobenzene	11.40	95	195184	53.02	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	106.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	170941	44.536	ug/l	92
3) Chloromethane	1.09	50	169207	45.488	ug/l	100
4) Vinyl Chloride	1.14	62	165136	46.765	ug/l	94
5) Bromomethane	1.32	94	115657	48.059	ug/l	99
6) Chloroethane	1.39	64	82427	49.106	ug/l	100
7) Trichlorofluoromethane	1.48	101	215580	49.986	ug/l	96
8) Diethyl Ether	1.62	74	48024	48.967	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	146094	49.883	ug/l	99
10) Methyl Iodide	1.90	142	207279	37.191	ug/l	94
11) Tert butyl alcohol	2.56	59	31751	245.699	ug/l #	91
12) 1,1-Dichloroethene	1.79	96	129729	48.518	ug/l	92
13) Acrolein	1.99	56	41440	253.076	ug/l	93
14) Allyl chloride	2.09	41	163135	55.382	ug/l	95
15) Acrylonitrile	2.94	53	99178	241.020	ug/l	97
16) Acetone	2.23	43	149344	313.145	ug/l	93
17) Carbon Disulfide	1.80	76	284843	34.224	ug/l	96
18) Methyl Acetate	2.41	43	49154	53.595	ug/l	97
19) Methyl tert-butyl Ether	2.41	73	225724	49.904	ug/l	100
20) Methylene Chloride	2.17	84	54444	17.085	ug/l	98
21) trans-1,2-Dichloroethene	2.30	96	137156	54.503	ug/l	98
22) Diisopropyl ether	2.79	45	398758	52.041	ug/l	98
23) Vinyl Acetate	3.17	43	829960	242.463	ug/l	100
24) 1,1-Dichloroethane	2.86	63	237048	51.759	ug/l	100
25) 2-Butanone	4.31	43	232031	239.185	ug/l	92
26) 2,2-Dichloropropane	3.58	77	104558	51.141	ug/l	98
27) cis-1,2-Dichloroethene	3.46	96	170592	48.930	ug/l	97
28) Bromochloromethane	3.69	49	101509	50.846	ug/l #	90
29) Tetrahydrofuran	4.05	42	96696	231.125	ug/l	97
30) Chloroform	3.84	83	264373	50.538	ug/l	96
31) Cyclohexane	3.68	56	134912	28.124	ug/l	99
32) 1,1,1-Trichloroethane	4.08	97	150095	46.549	ug/l	99
36) 1,1-Dichloropropene	4.26	75	219601	51.316	ug/l	96
37) Ethyl Acetate	4.09	43	82663	46.021	ug/l	90
38) Carbon Tetrachloride	3.97	117	156755	51.745	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	254981	50.445	ug/l	97
40) Benzene	4.61	78	567208	50.708	ug/l	99
41) Methacrylonitrile	4.73	41	46217	46.963	ug/l #	87
42) 1,2-Dichloroethane	4.93	62	137845	49.449	ug/l	98
43) Isopropyl Acetate	6.94	43	97054	43.834	ug/l #	95
44) Trichloroethene	5.48	130	170154	48.948	ug/l	97
45) 1,2-Dichloropropane	6.22	63	136592	51.352	ug/l	94
46) Dibromomethane	6.07	93	80594	48.143	ug/l	98
47) Bromodichloromethane	6.37	83	186116	50.324	ug/l	95
48) Methyl methacrylate	6.70	41	65797	46.956	ug/l	93
49) 1,4-Dioxane	6.69	88	12523	977.628	ug/l #	82
51) 4-Methyl-2-Pentanone	8.24	43	362491	236.882	ug/l	95
52) Toluene	7.61	92	332722	50.281	ug/l	96
53) t-1,3-Dichloropropene	8.26	75	149427	48.947	ug/l	99
54) cis-1,3-Dichloropropene	7.28	75	214583	50.960	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	92904	48.728	ug/l	96
56) Ethyl methacrylate	8.61	69	103935	48.370	ug/l	99
57) 1,3-Dichloropropane	8.83	76	152608	48.944	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	85066	250.261	ug/l	92
59) 2-Hexanone	9.47	43	277061	250.972	ug/l	98
60) Dibromochloromethane	8.69	129	130637	48.075	ug/l	99
61) 1,2-Dibromoethane	8.97	107	100679	48.019	ug/l	94
64) Tetrachloroethene	8.13	164	145649	47.373	ug/l	97
65) Chlorobenzene	9.78	112	369903	48.119	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.92	131	149740	50.276	ug/l	99
67) Ethyl Benzene	9.89	91	634411	49.792	ug/l	97
68) m/p-Xylenes	10.11	106	470509	96.396	ug/l	93
69) o-Xylene	10.70	106	254760	48.471	ug/l	99
70) Styrene	10.77	104	339179	45.855	ug/l	98
71) Bromoform	10.76	173	73962	46.986	ug/l	94
73) Isopropylbenzene	11.11	105	735535	50.174	ug/l	98
74) N-amyl acetate	11.36	43	164254	48.670	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	117640	48.283	ug/l	91
76) 1,2,3-Trichloropropane	11.78	75	78963	47.485	ug/l	97
77) Bromobenzene	11.48	156	165646	46.951	ug/l	90
78) n-propylbenzene	11.58	91	795468	48.050	ug/l	97
79) 2-Chlorotoluene	11.71	91	460886	48.695	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	560220	47.598	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	50430	66.321	ug/l	94
82) 4-Chlorotoluene	11.89	91	467384	48.278	ug/l	95
83) tert-Butylbenzene	12.12	119	614796	49.192	ug/l	91
84) 1,2,4-Trimethylbenzene	12.19	105	571851	49.562	ug/l	100
85) sec-Butylbenzene	12.29	105	816563	50.207	ug/l	98
86) p-Isopropyltoluene	12.45	119	698485	50.525	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	330379	49.316	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	317769	49.173	ug/l	95
89) n-Butylbenzene	12.84	91	658933	49.874	ug/l	98
90) Hexachloroethane	12.90	117	170840	51.341	ug/l	89
91) 1,2-Dichlorobenzene	12.93	146	309681	48.791	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	19845	47.138	ug/l	93

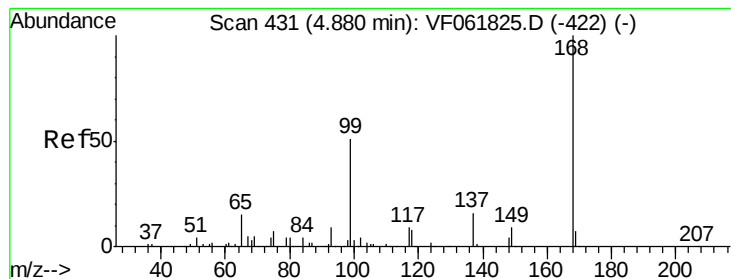
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031219\
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QLast Update : Tue Mar 05 04:50:44 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	216784	48.718	ug/l	95
94) Hexachlorobutadiene	14.18	225	142426	46.235	ug/l	99
95) Naphthalene	14.44	128	393318	49.628	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	206406	50.239	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

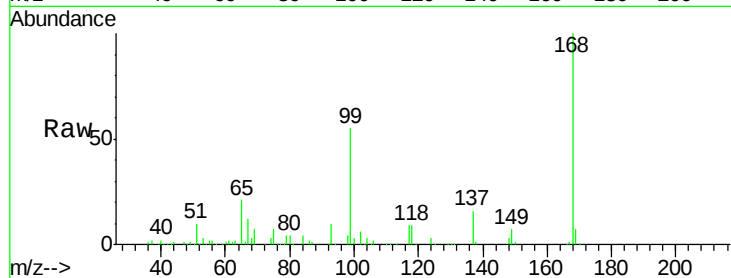
VSTDCCC050

Tot Ion:168 Resp: 312637

Ion Ratio Lower Upper

168 100

99 54.6 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

100000

80000

60000

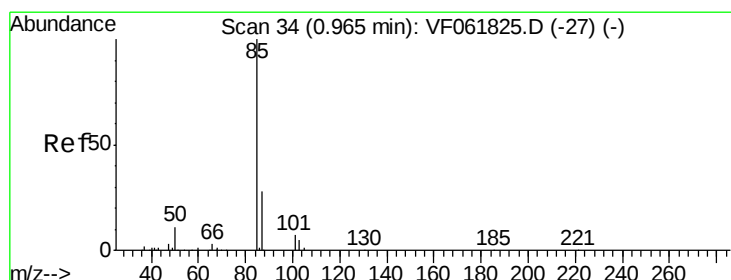
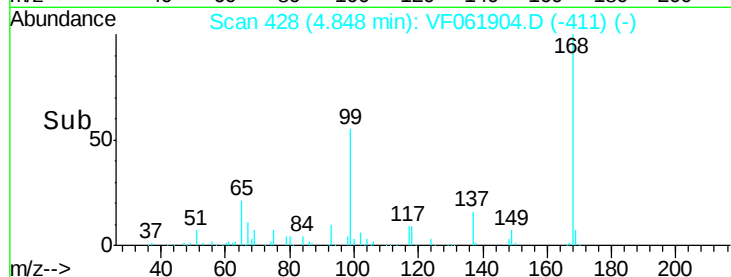
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 44.536 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061904.D

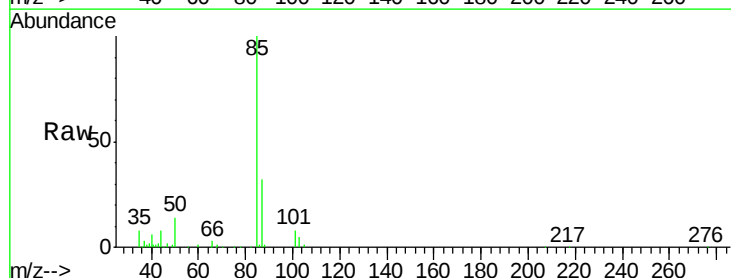
Acq: 12 Mar 2019 13:47

Tgt Ion: 85 Resp: 170941

Ion Ratio Lower Upper

85 100

87 32.3 14.1 42.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

30000

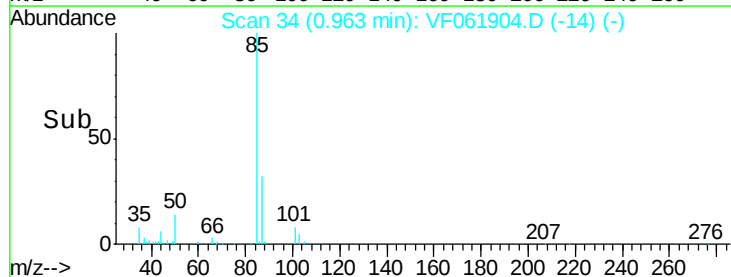
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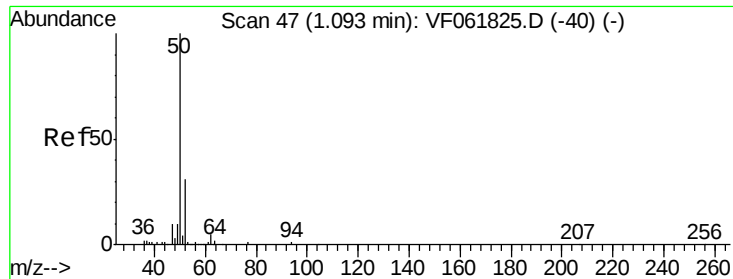
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Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 45.488 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

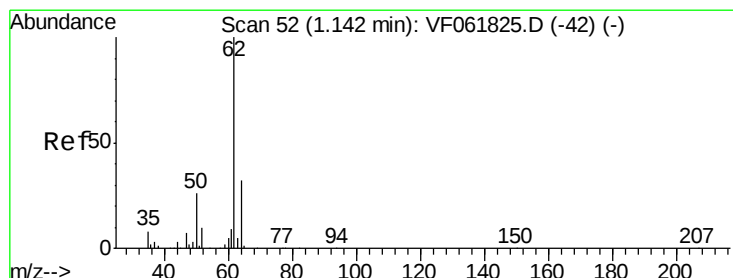
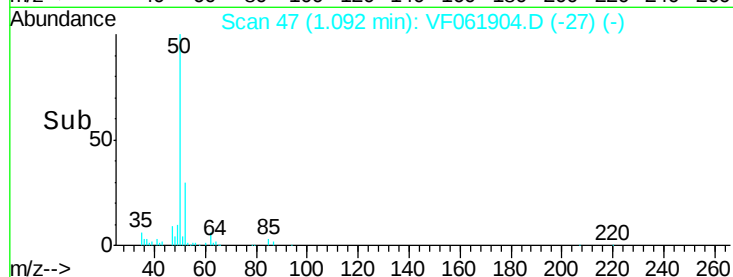
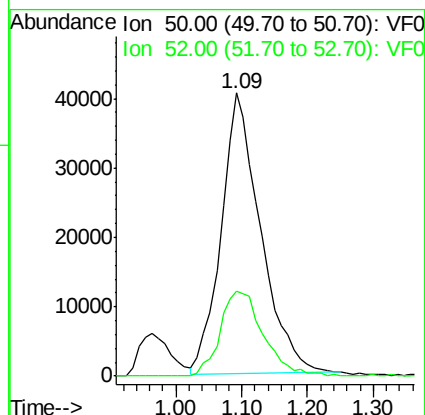
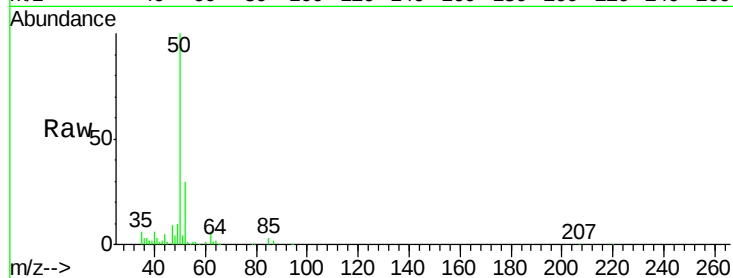
VSTDCCC050

Tot Ion: 50 Resp: 169207

Ion Ratio Lower Upper

50 100

52 29.9 23.8 35.8



#4

Vinyl Chloride

Concen: 46.765 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061904.D

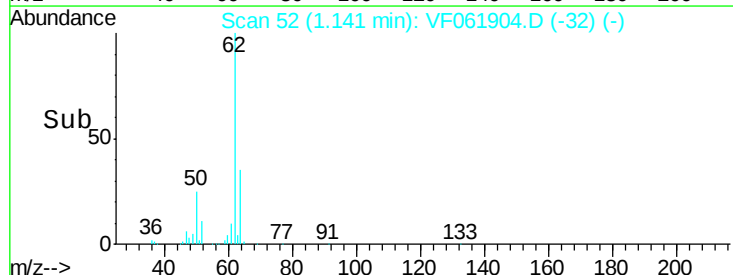
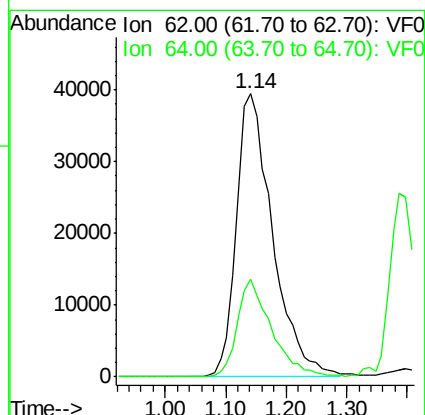
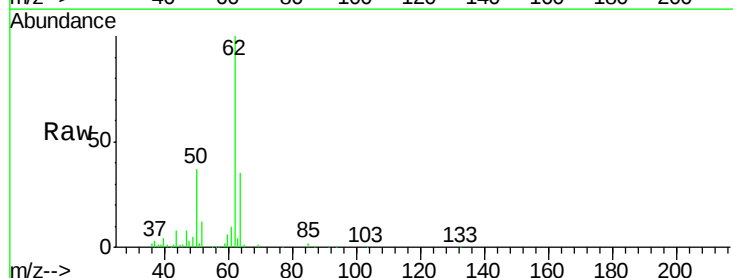
Acq: 12 Mar 2019 13:47

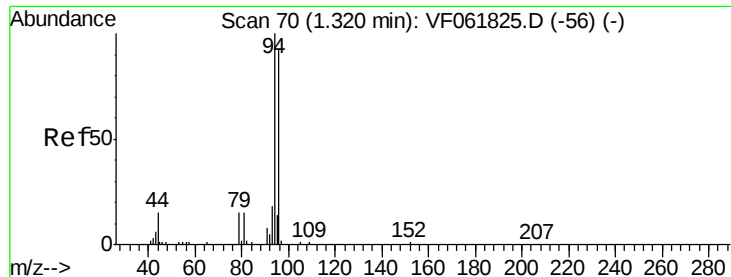
Tgt Ion: 62 Resp: 165136

Ion Ratio Lower Upper

62 100

64 34.7 25.2 37.8





#5

Bromomethane

Concen: 48.059 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

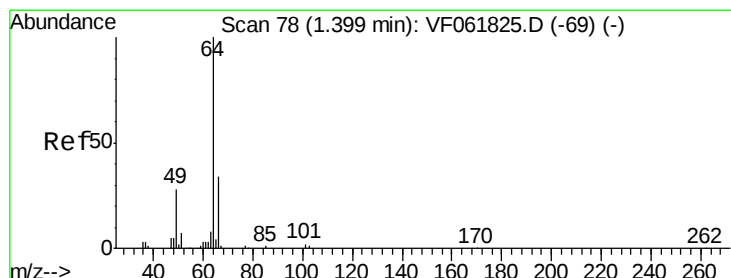
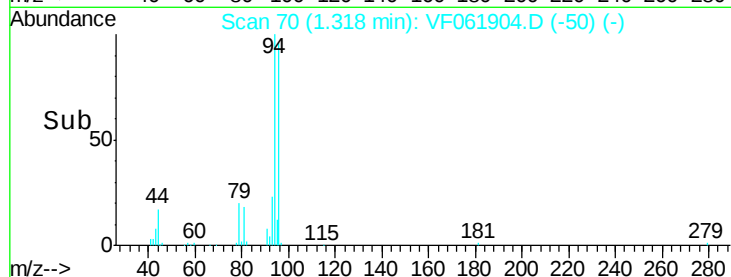
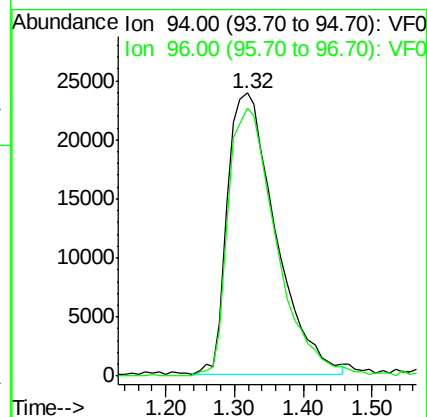
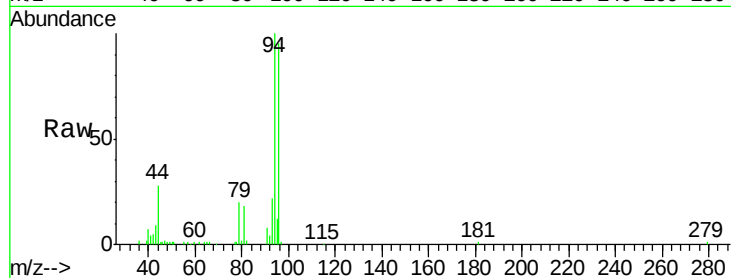
VSTDCCC050

Tot Ion: 94 Resp: 115657

Ion Ratio Lower Upper

94 100

96 94.9 75.2 112.8



#6

Chloroethane

Concen: 49.106 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061904.D

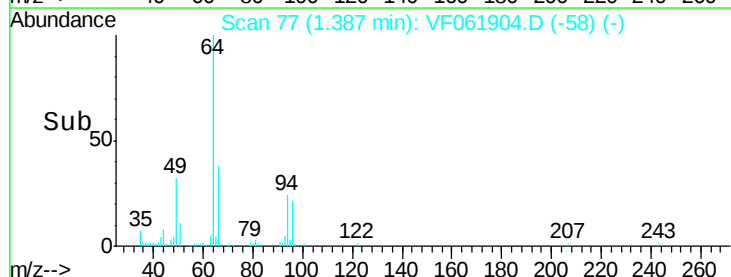
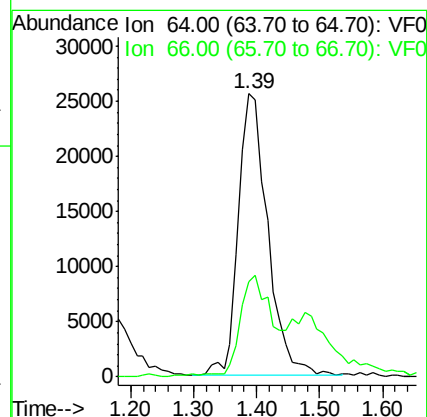
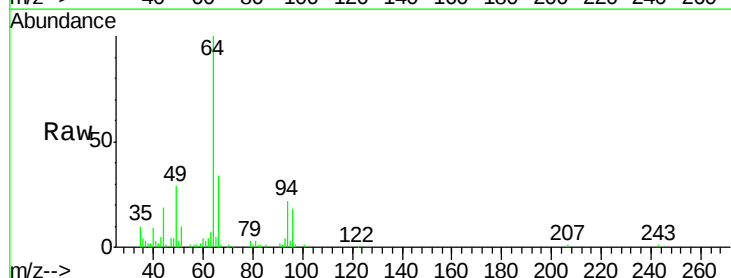
Acq: 12 Mar 2019 13:47

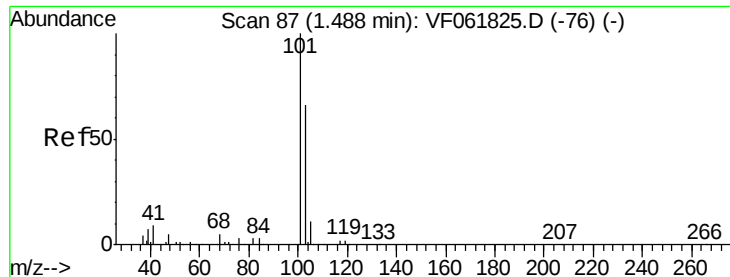
Tgt Ion: 64 Resp: 82427

Ion Ratio Lower Upper

64 100

66 33.6 27.0 40.4



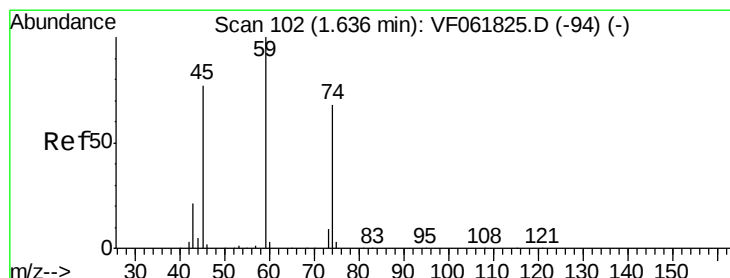
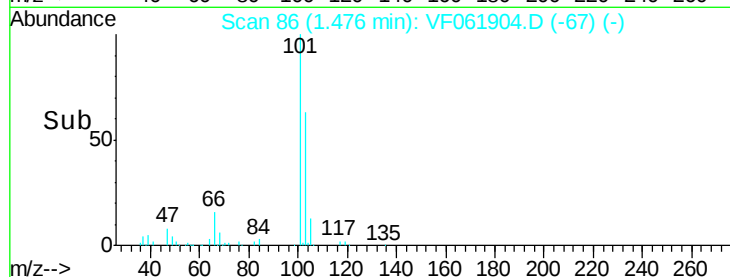
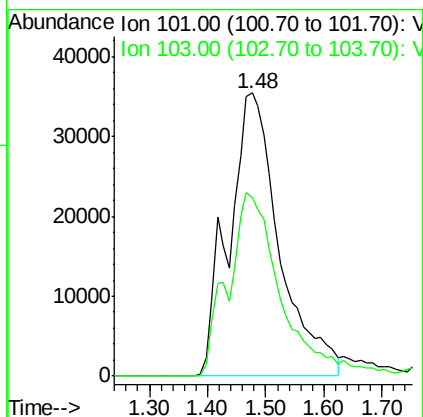
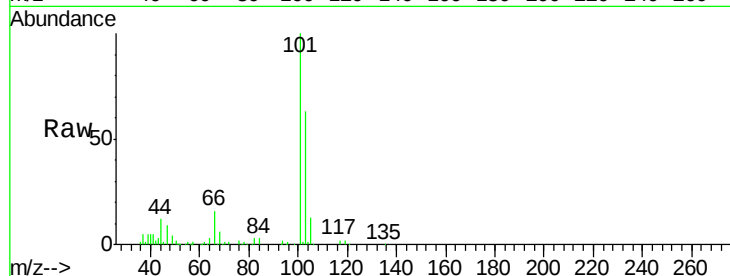


#7

Trichlorofluoromethane
Concen: 49.986 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.01 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

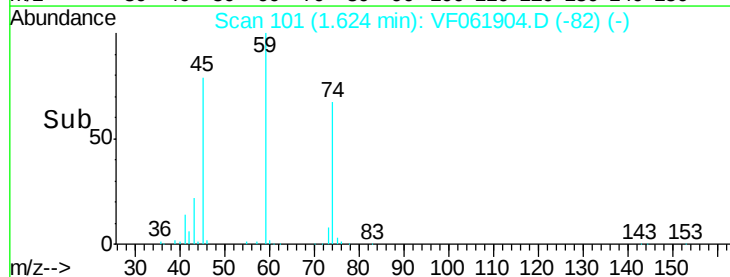
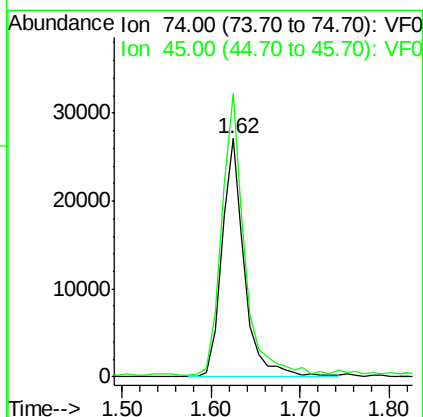
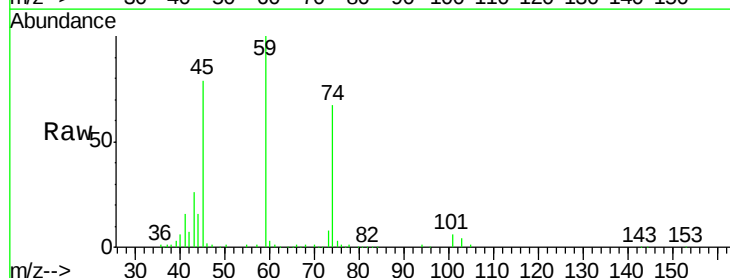
Tot Ion:101 Resp: 215580
Ion Ratio Lower Upper
101 100
103 63.0 52.8 79.2

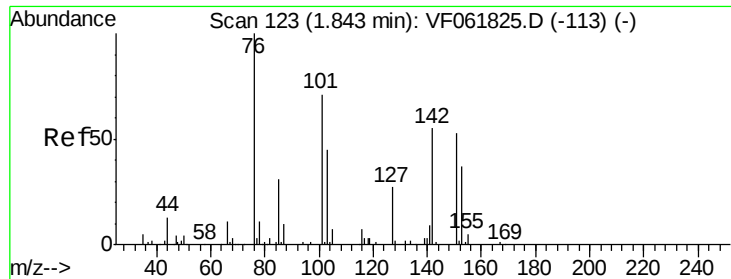


#8

Diethyl Ether
Concen: 48.967 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Tgt Ion: 74 Resp: 48024
Ion Ratio Lower Upper
74 100
45 118.8 57.2 171.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.883 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

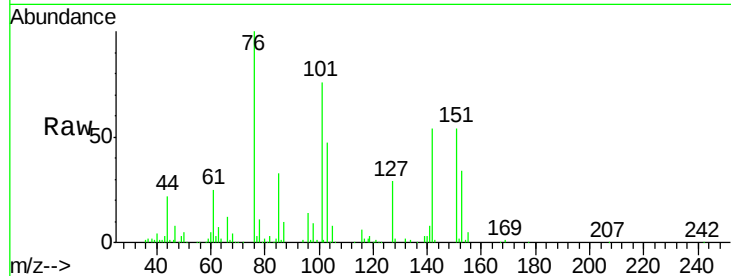
Tot Ion:101 Resp: 146094

Ion Ratio Lower Upper

101 100

85 44.1 34.0 51.0

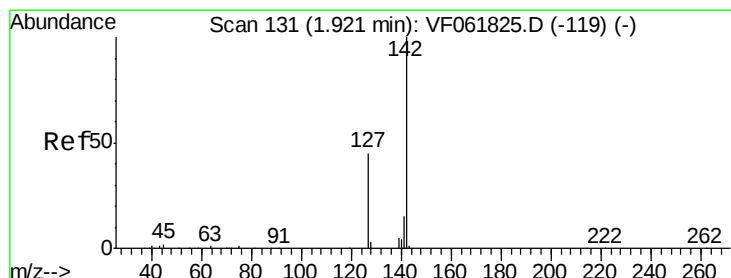
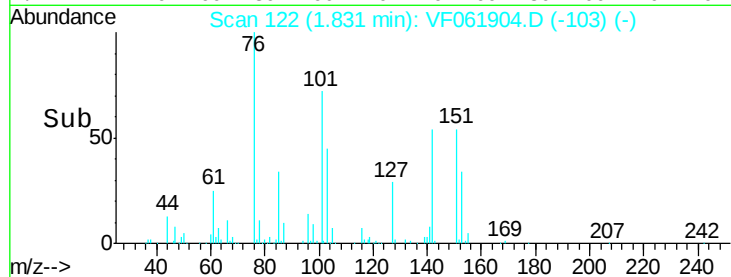
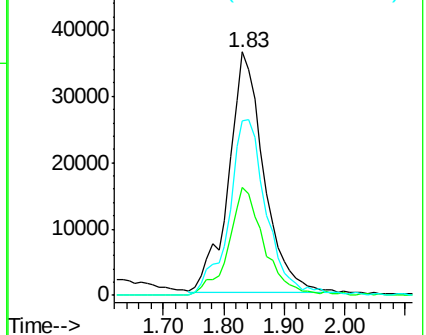
151 71.6 57.3 85.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 37.191 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

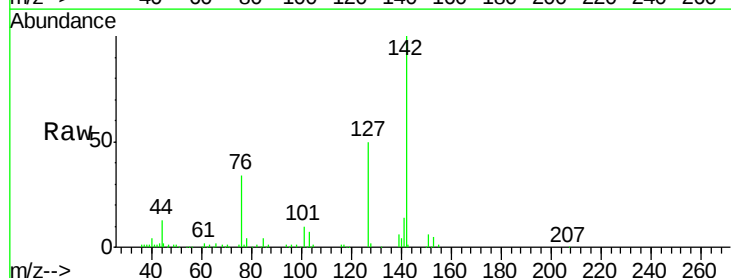
Tgt Ion:142 Resp: 207279

Ion Ratio Lower Upper

142 100

127 49.5 35.8 53.6

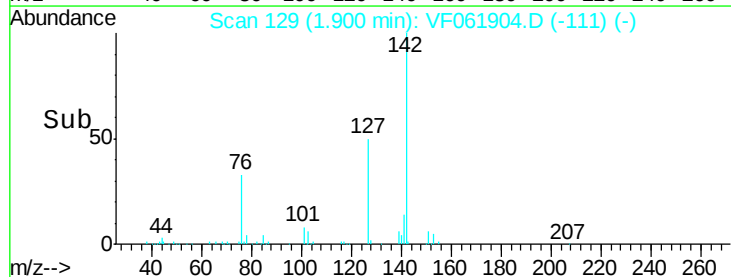
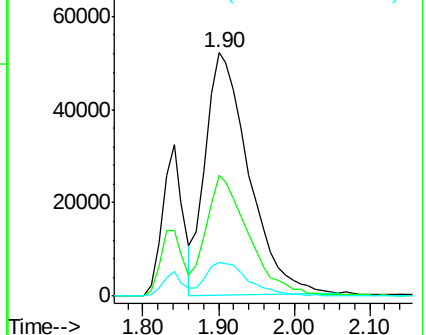
141 14.0 11.7 17.5

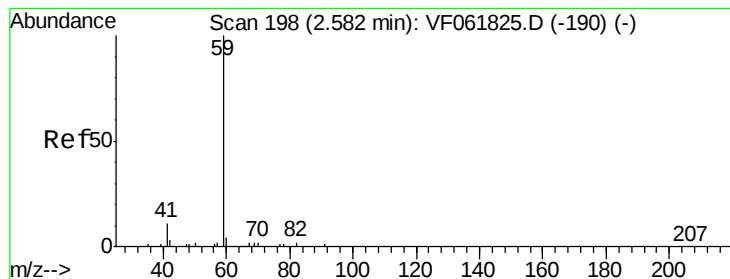


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



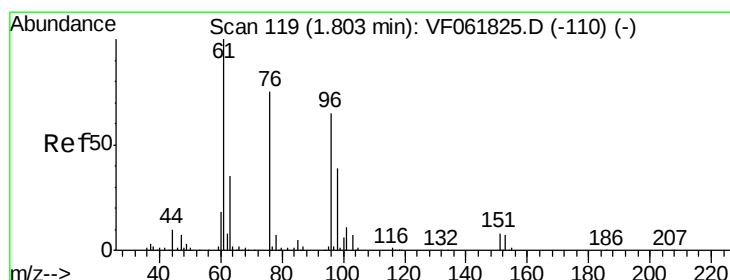
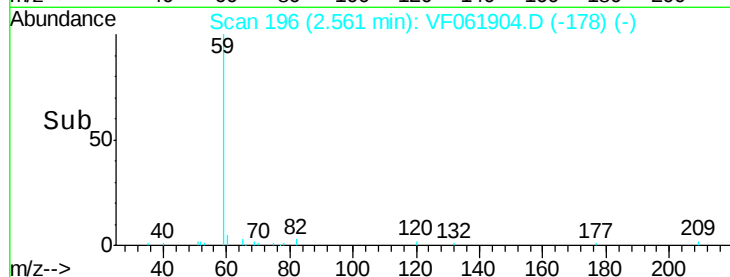
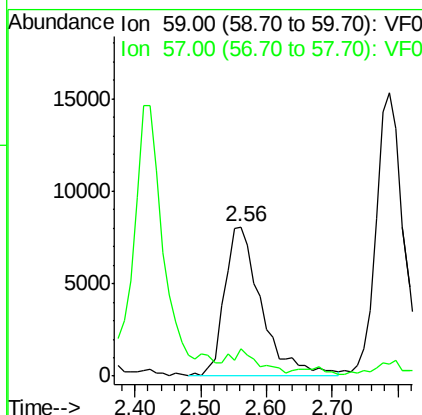
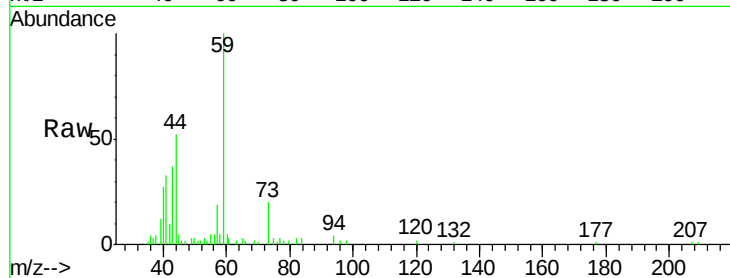


#11

Tert butyl alcohol
Concen: 245.699 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

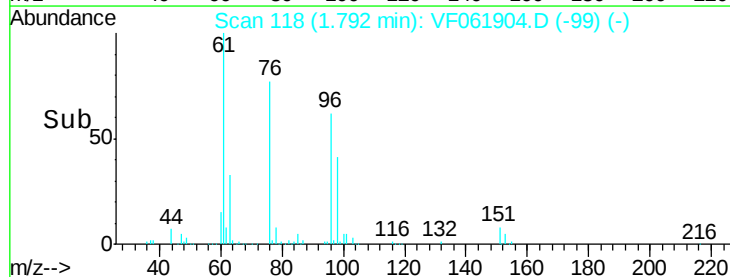
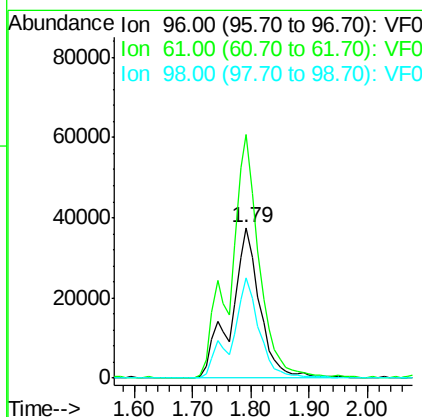
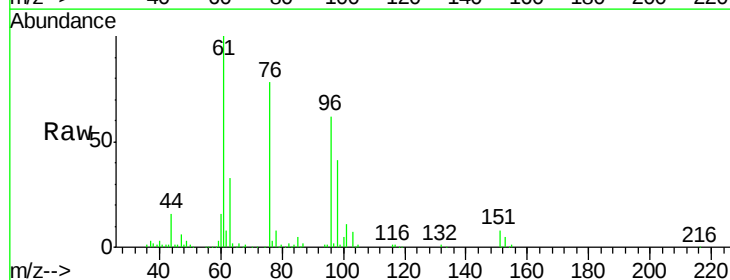
Tot Ion: 59 Resp: 31751
Ion Ratio Lower Upper
59 100
57 18.6 11.8 17.6#

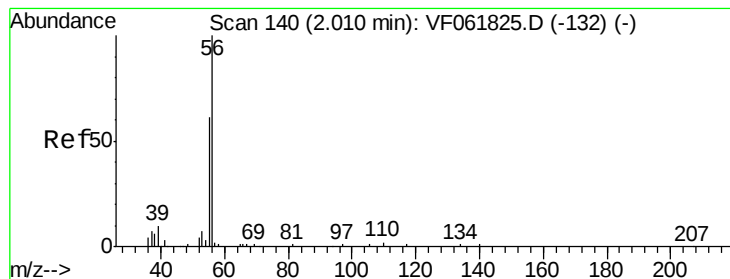


#12

1,1-Dichloroethene
Concen: 48.518 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Tgt Ion: 96 Resp: 129729
Ion Ratio Lower Upper
96 100
61 161.7 122.5 183.7
98 66.5 47.1 70.7





#13

Acrolein

Concen: 253.076 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

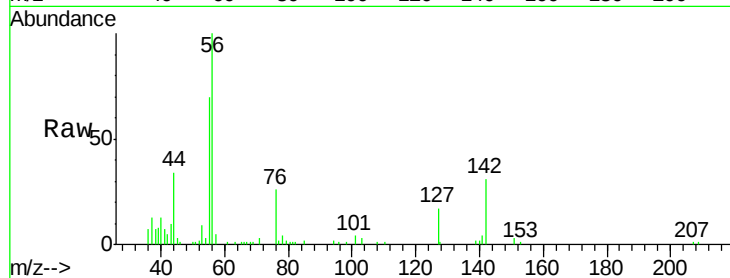
VSTDCCC050

Tot Ion: 56 Resp: 41440

Ion Ratio Lower Upper

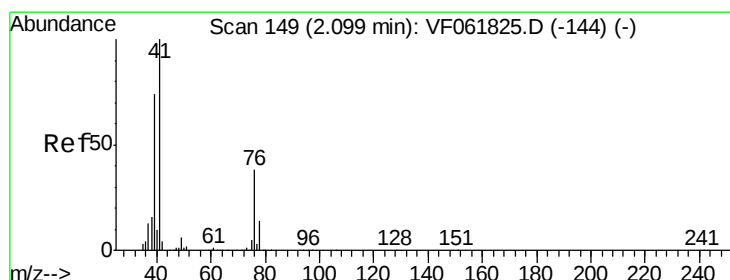
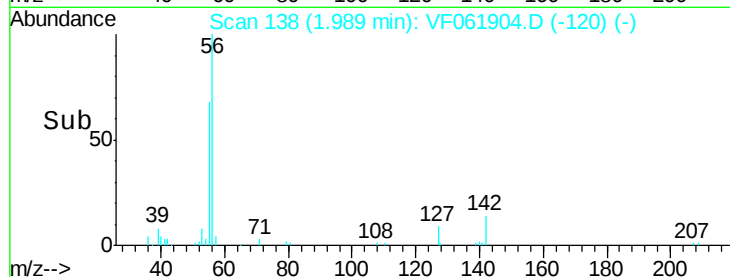
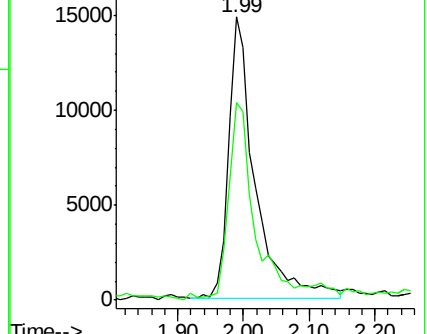
56 100

55 69.8 51.3 76.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 55.382 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

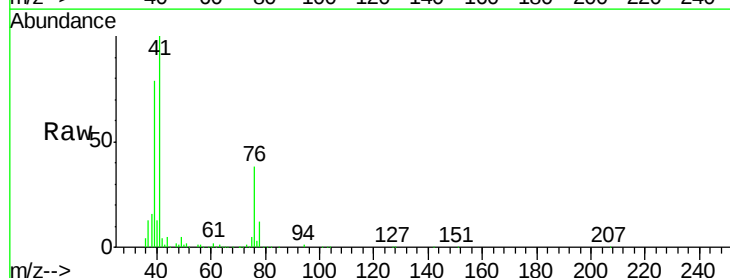
Tgt Ion: 41 Resp: 163135

Ion Ratio Lower Upper

41 100

39 79.4 59.6 89.4

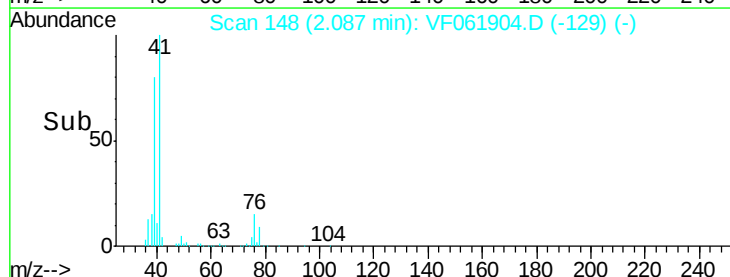
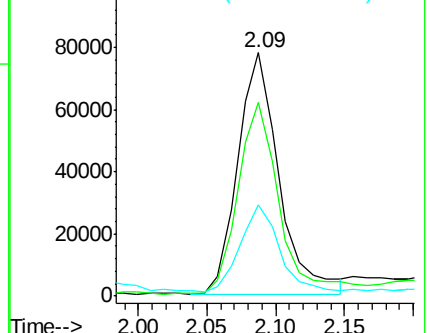
76 37.6 32.3 48.5

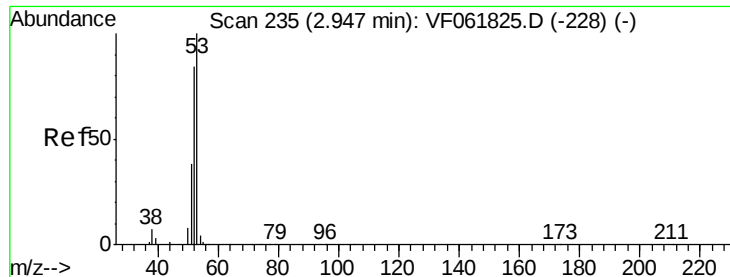


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 241.020 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

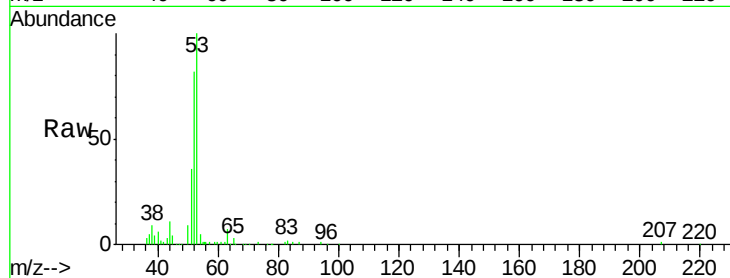
Tot Ion: 53 Resp: 99178

Ion Ratio Lower Upper

53 100

52 82.2 67.4 101.0

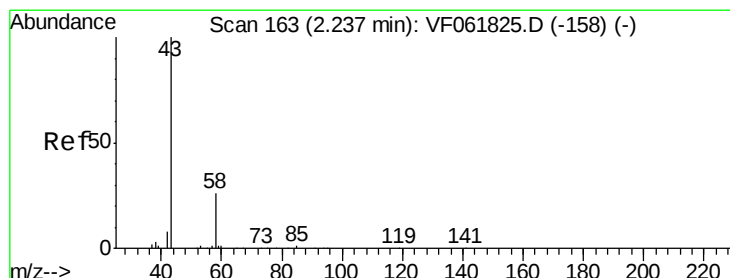
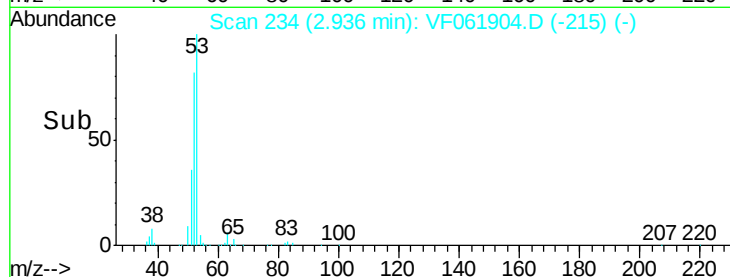
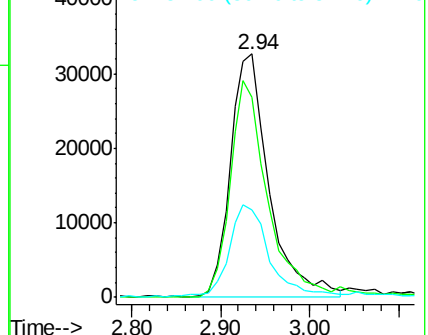
51 36.1 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 313.145 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061904.D

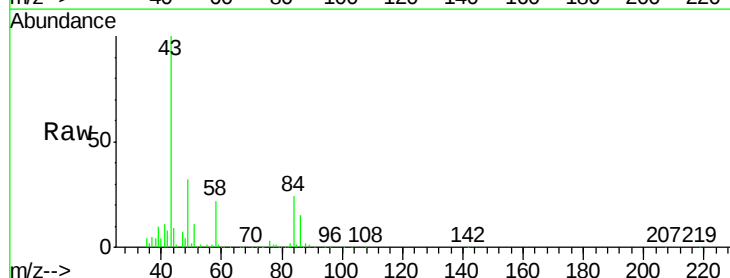
Acq: 12 Mar 2019 13:47

Tgt Ion: 43 Resp: 149344

Ion Ratio Lower Upper

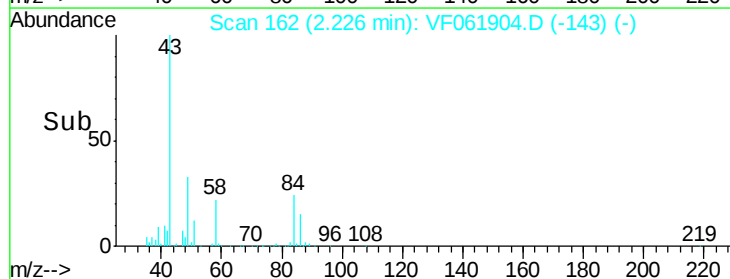
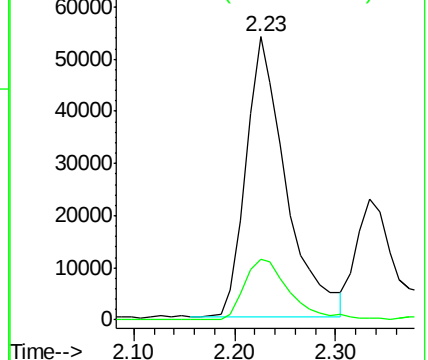
43 100

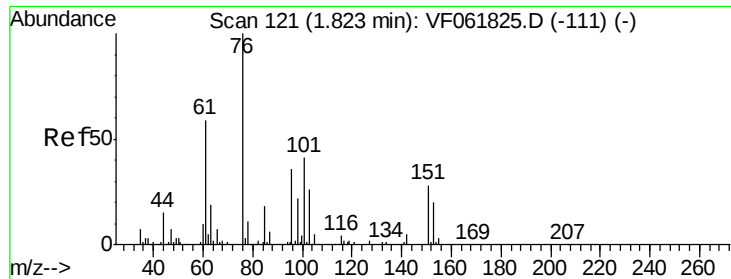
58 21.6 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

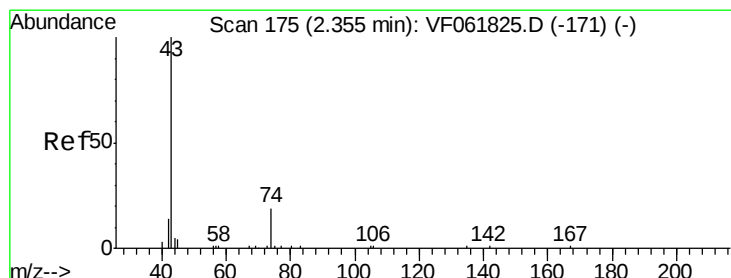
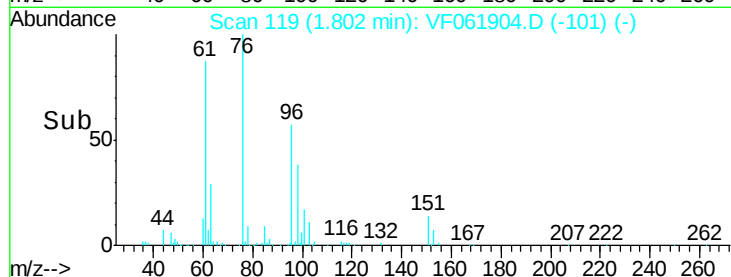
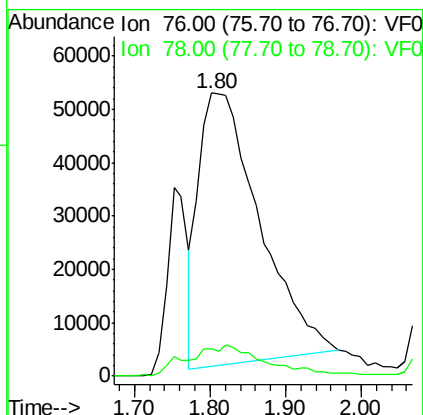
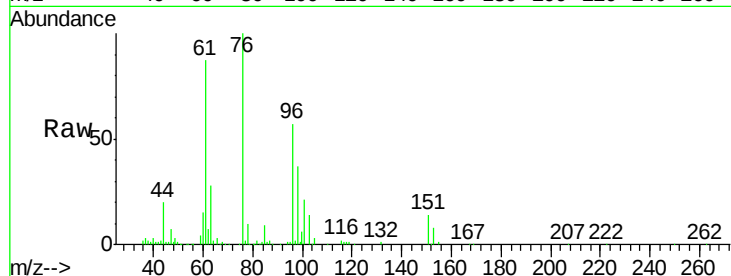




#17
Carbon Disulfide
Concen: 34.224 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

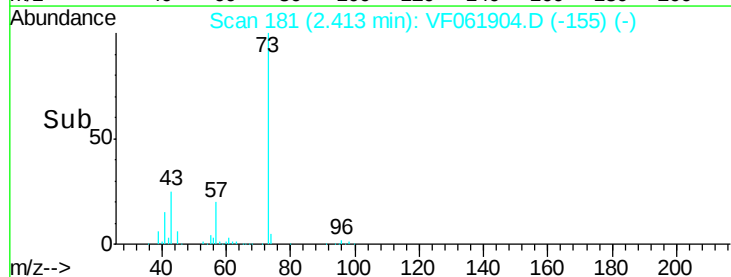
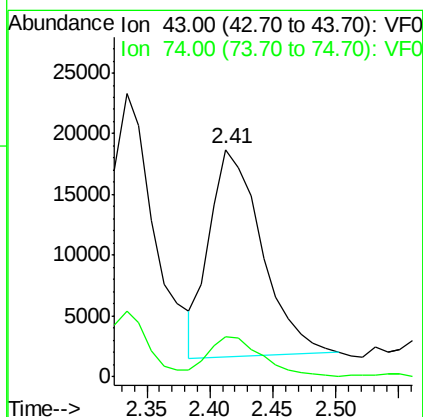
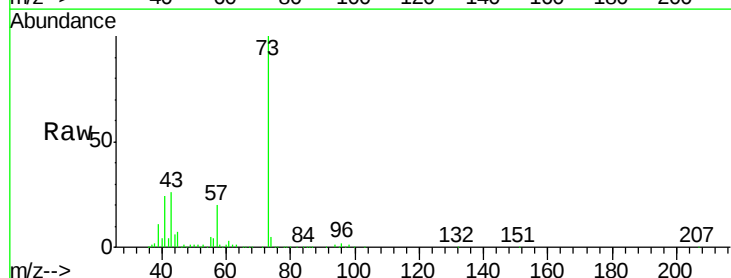
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

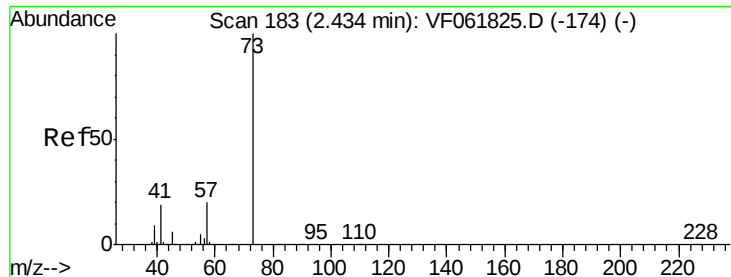
Tot Ion: 76 Resp: 284843
Ion Ratio Lower Upper
76 100
78 9.8 9.1 13.7



#18
Methyl Acetate
Concen: 53.595 ug/l
RT: 2.41 min Scan# 181
Delta R.T. 0.06 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Tgt Ion: 43 Resp: 49154
Ion Ratio Lower Upper
43 100
74 17.6 13.2 19.8



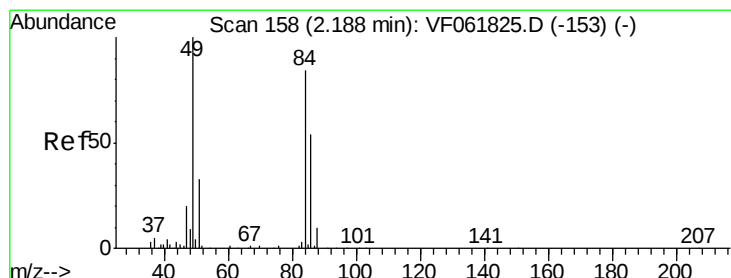
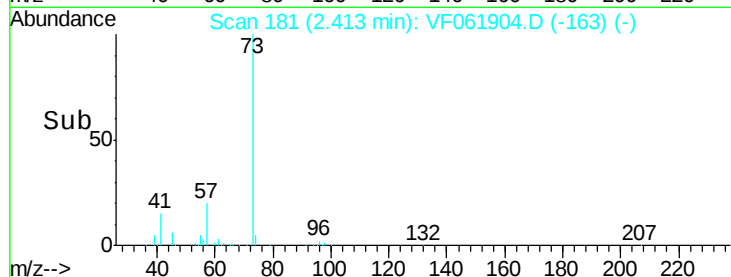
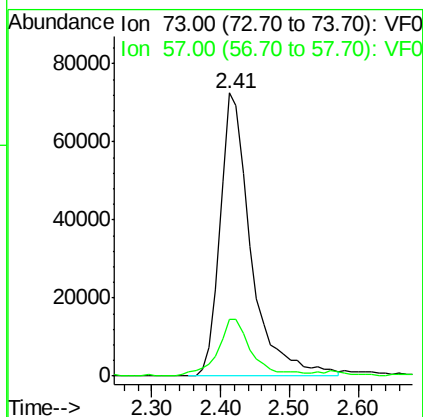
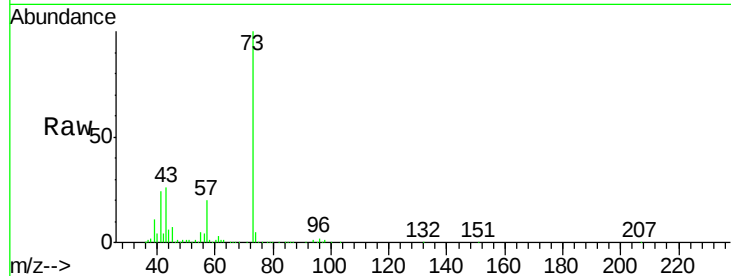


#19

Methyl tert-butyl Ether
 Concen: 49.904 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VF061904.D
 Acq: 12 Mar 2019 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

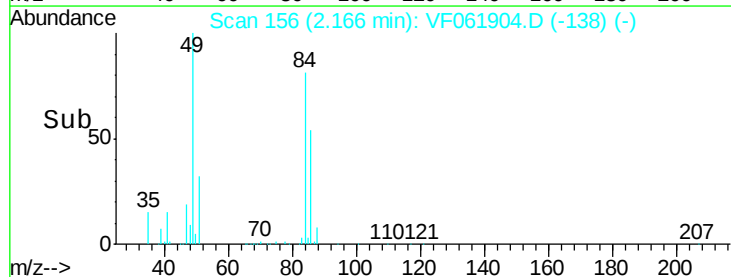
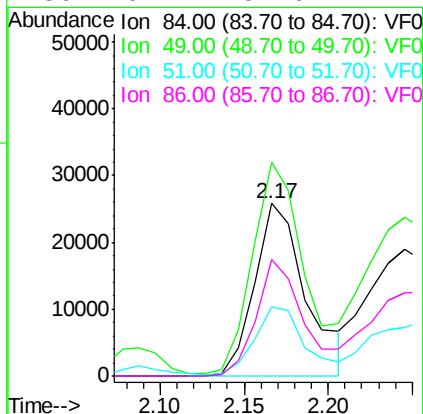
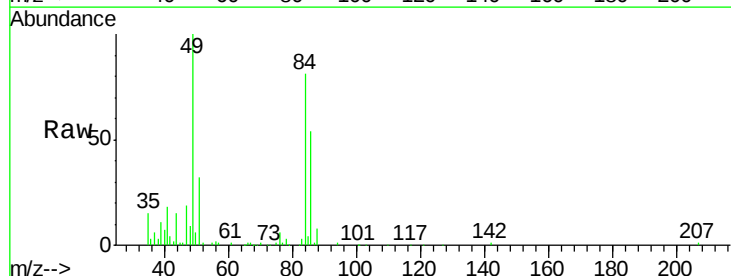
Tot Ion: 73 Resp: 225724
 Ion Ratio Lower Upper
 73 100
 57 20.2 16.1 24.1

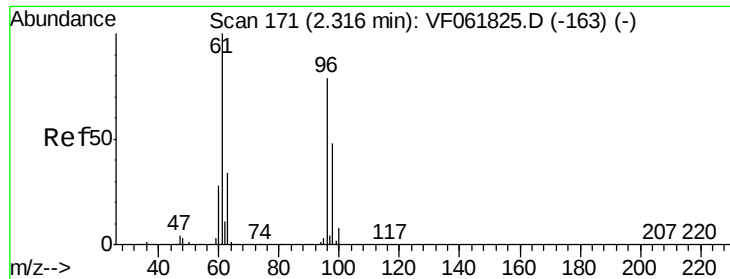


#20

Methylene Chloride
 Concen: 17.085 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.02 min
 Lab File: VF061904.D
 Acq: 12 Mar 2019 13:47

Tgt Ion: 84 Resp: 54444
 Ion Ratio Lower Upper
 84 100
 49 123.7 96.8 145.2
 51 40.1 31.8 47.6
 86 67.1 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 54.503 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

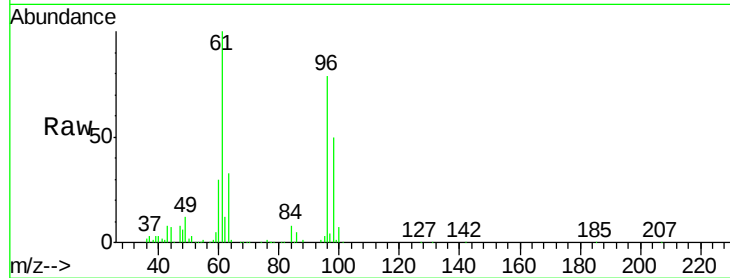
Tot Ion: 96 Resp: 137156

Ion Ratio Lower Upper

96 100

61 127.1 101.0 151.6

98 63.9 48.8 73.2

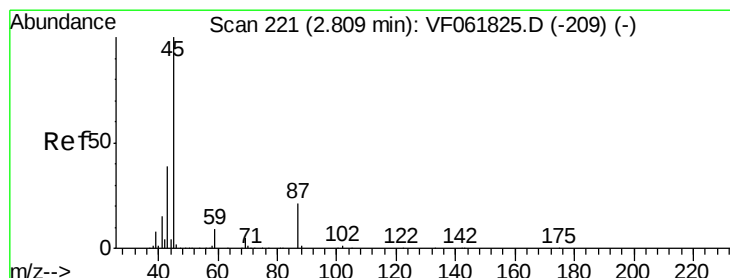
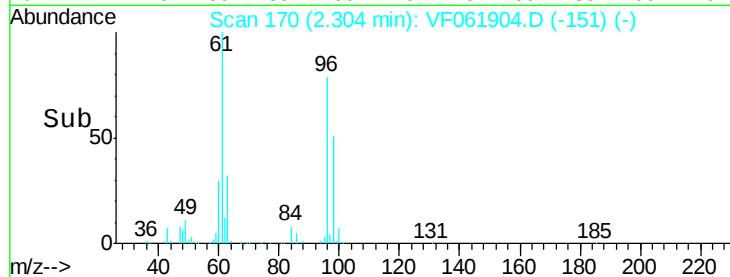
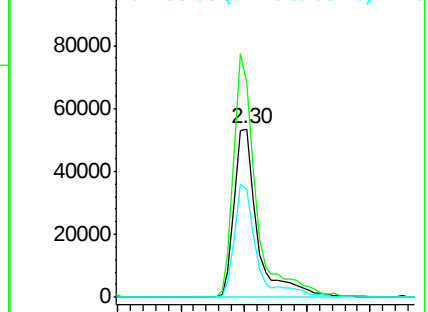


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 52.041 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Tgt Ion: 45 Resp: 398758

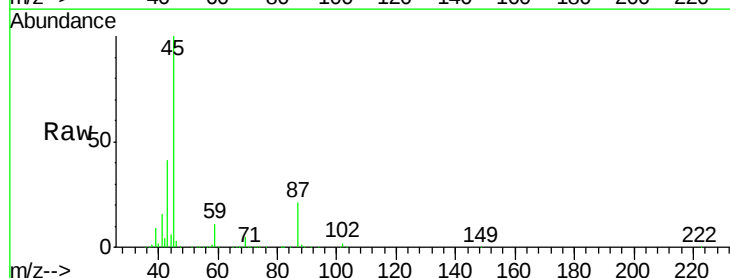
Ion Ratio Lower Upper

45 100

43 41.0 31.8 47.8

87 20.9 17.1 25.7

59 11.2 7.8 11.6



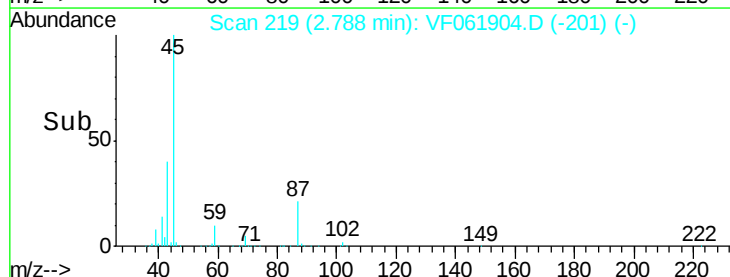
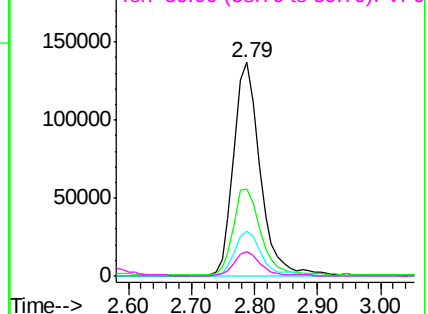
Abundance

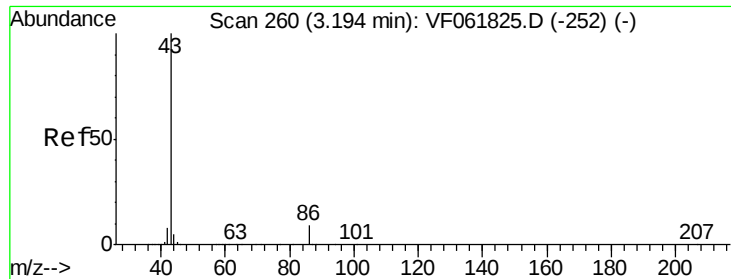
Ion 45.00 (44.70 to 45.70): VF0

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: 242.463 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

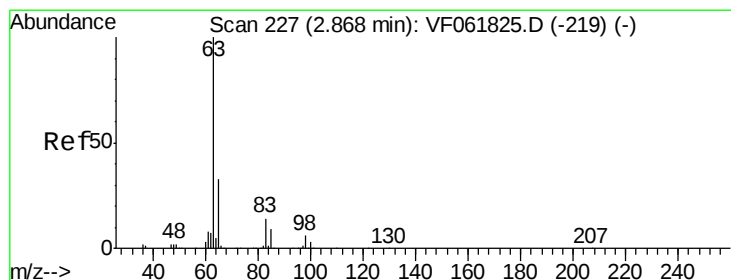
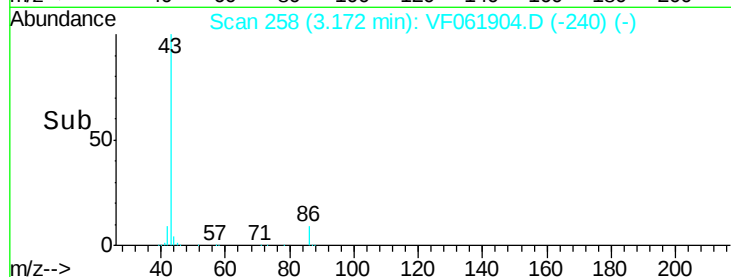
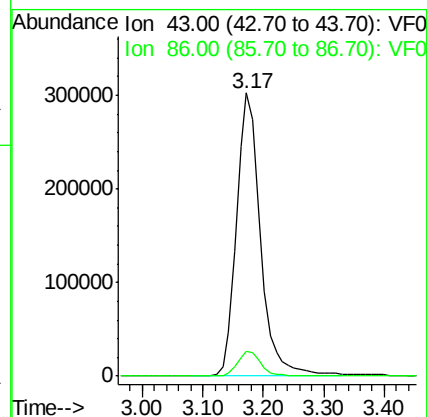
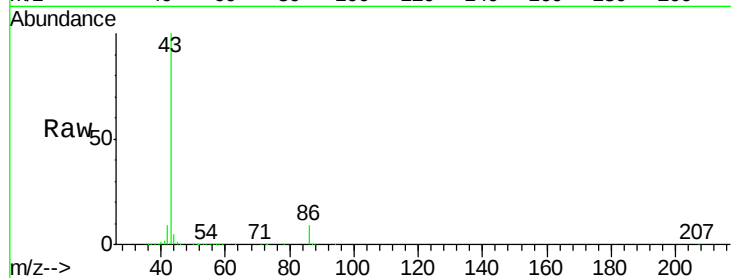
VSTDCCC050

Tot Ion: 43 Resp: 829960

Ion Ratio Lower Upper

43 100

86 8.6 7.0 10.4



#24

1,1-Dichloroethane

Concen: 51.759 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

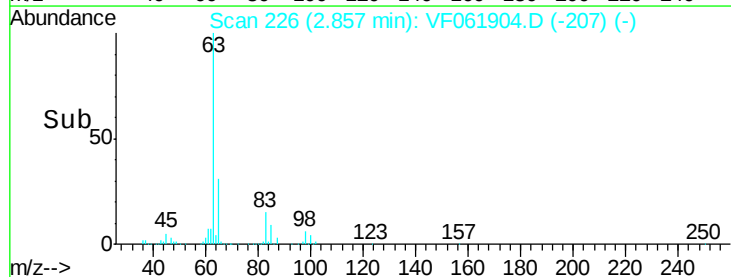
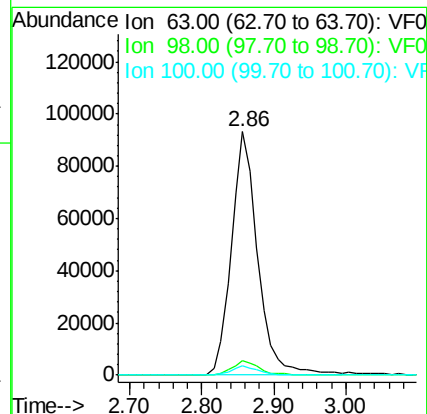
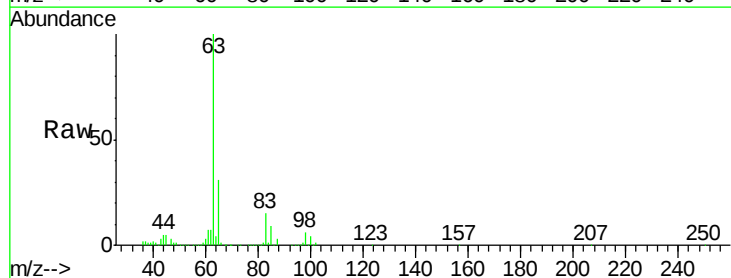
Tgt Ion: 63 Resp: 237048

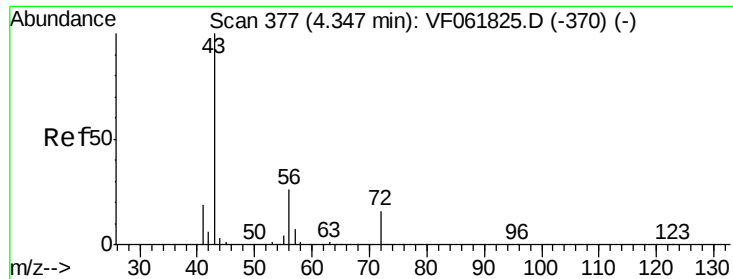
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 3.6 1.8 5.3





#25

2-Butanone

Concen: 239.185 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.04 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

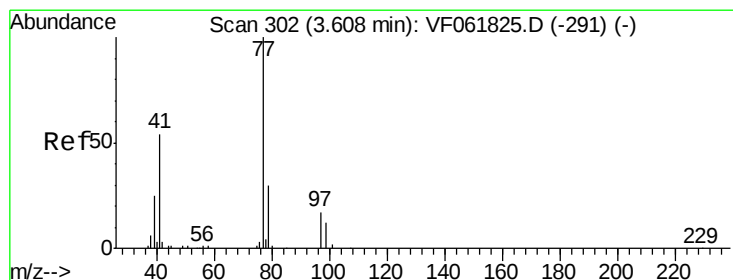
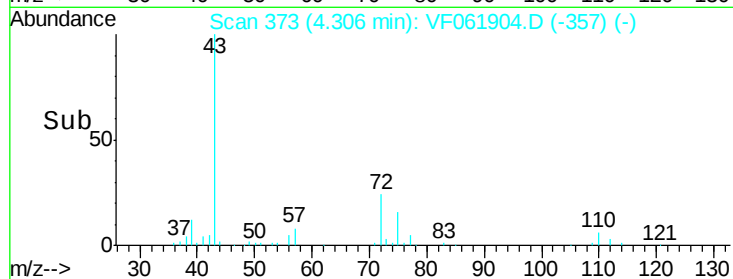
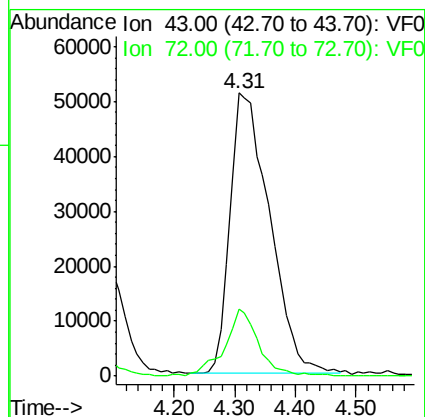
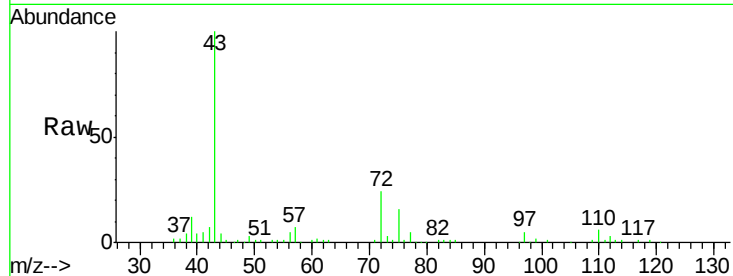
VSTDCCC050

Tot Ion: 43 Resp: 232031

Ion Ratio Lower Upper

43 100

72 23.9 16.2 24.4



#26

2,2-Dichloropropane

Concen: 51.141 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.03 min

Lab File: VF061904.D

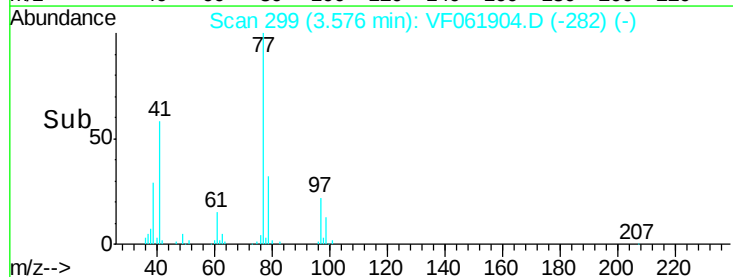
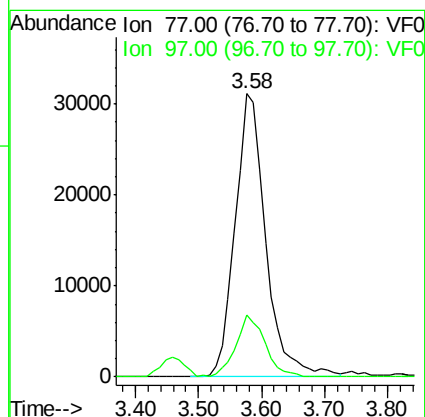
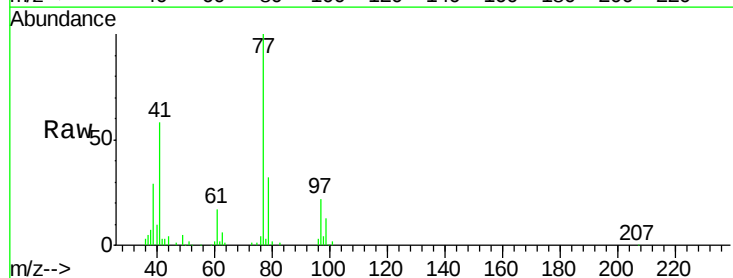
Acq: 12 Mar 2019 13:47

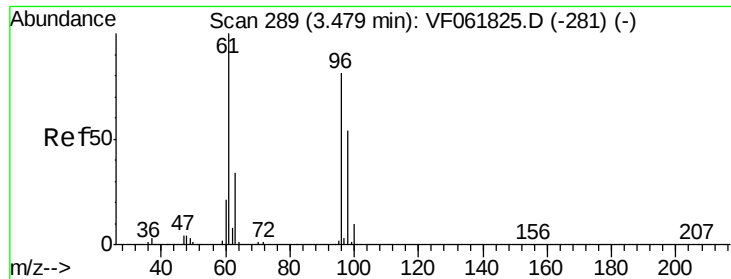
Tgt Ion: 77 Resp: 104558

Ion Ratio Lower Upper

77 100

97 21.7 10.4 31.4



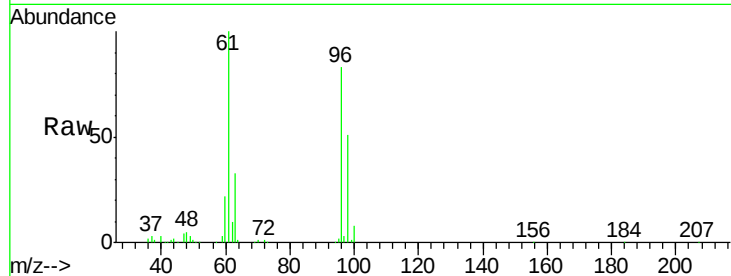


#27

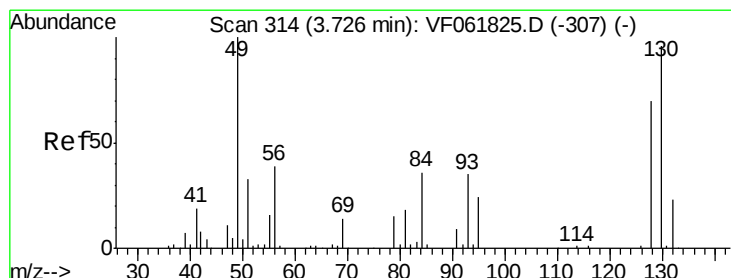
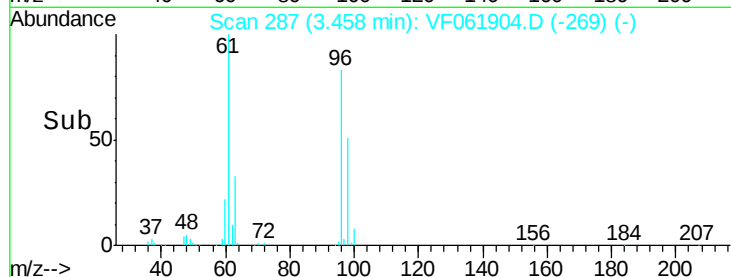
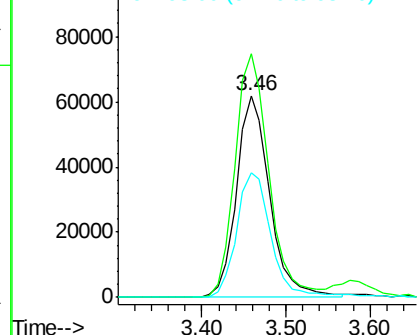
cis-1,2-Dichloroethene
 Concen: 48.930 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.02 min
 Lab File: VF061904.D
 Acq: 12 Mar 2019 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	96	Resp	170592
Ion	Ratio	Lower	Upper
96	100		
61	120.8	0.0	245.8
98	61.8	0.0	132.6



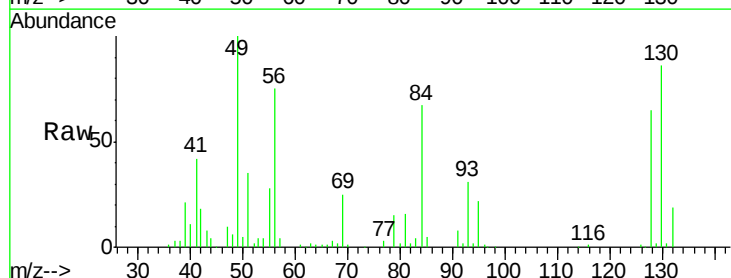
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



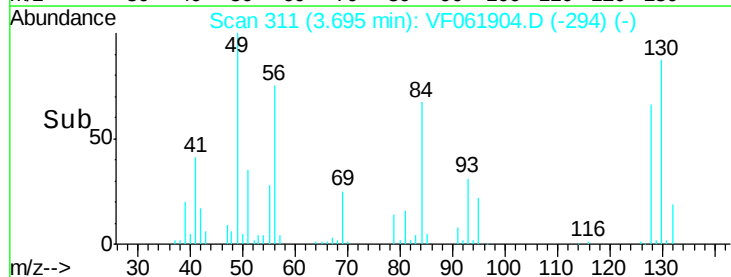
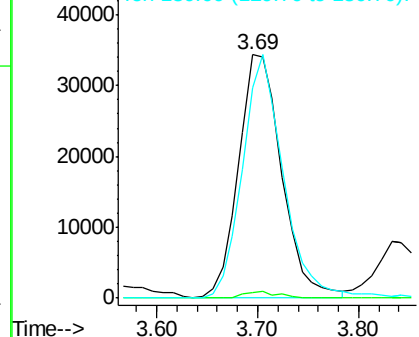
#28

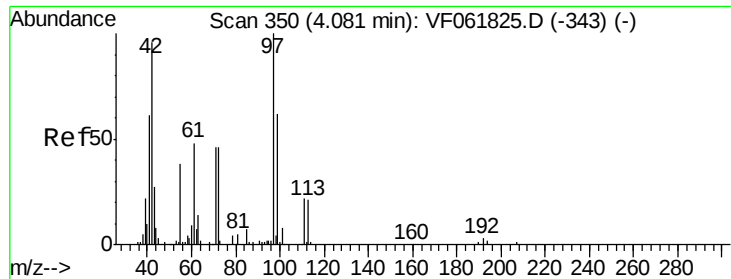
Bromochloromethane
 Concen: 50.846 ug/l
 RT: 3.69 min Scan# 311
 Delta R.T. -0.03 min
 Lab File: VF061904.D
 Acq: 12 Mar 2019 13:47

Tgt Ion	49	Resp	101509
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	0.0#
130	86.3	76.9	115.3



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V

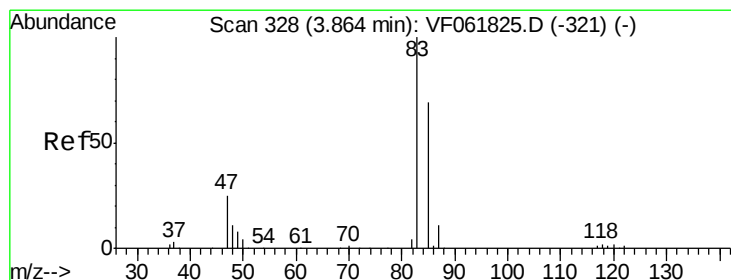
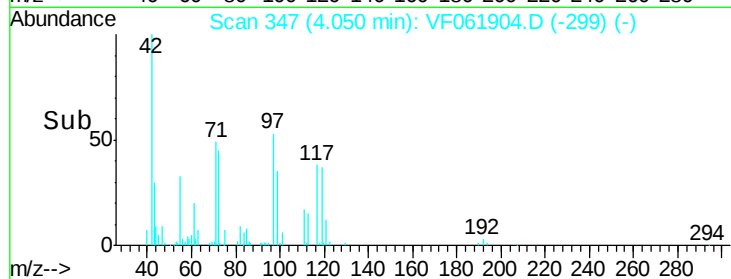
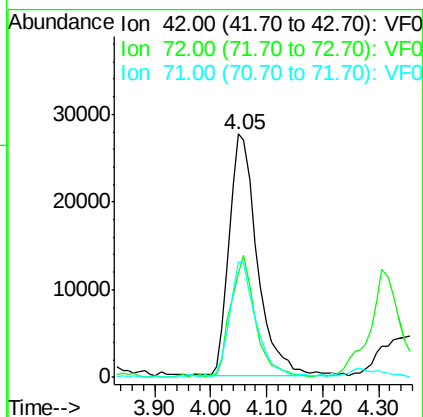
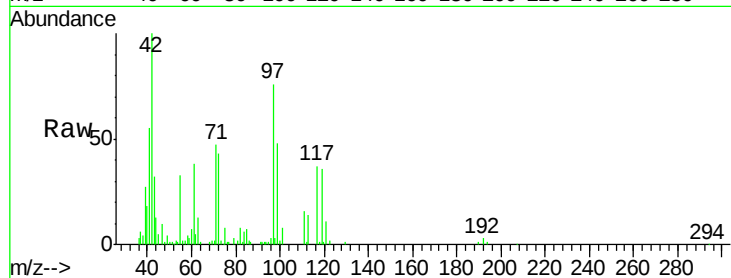




#29
Tetrahydrofuran
Concen: 231.125 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.03 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

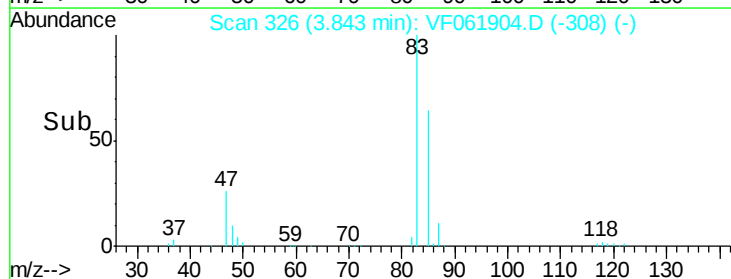
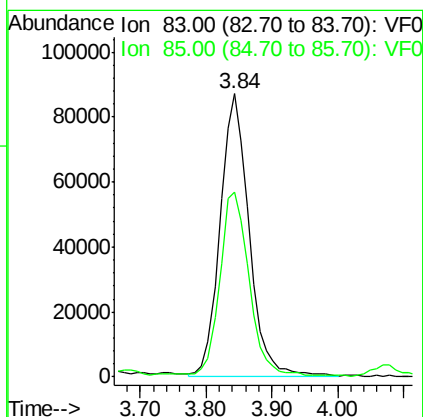
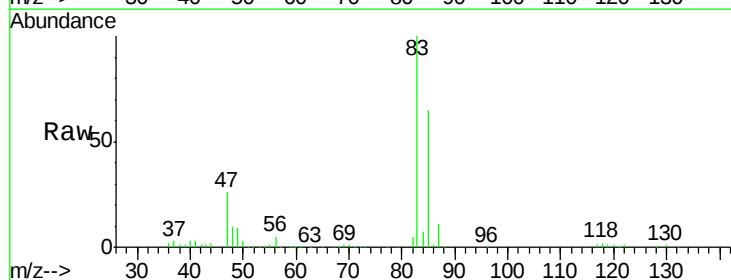
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

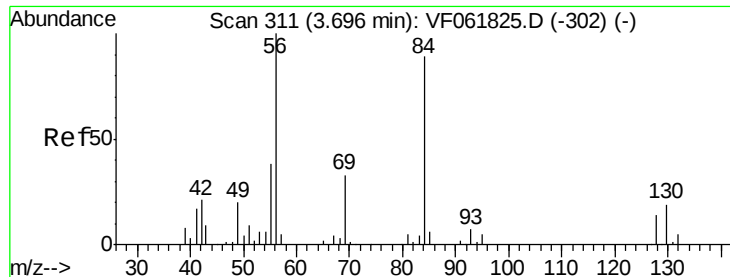
Tot Ion: 42 Resp: 96696
Ion Ratio Lower Upper
42 100
72 44.5 34.4 51.6
71 45.2 34.6 52.0



#30
Chloroform
Concen: 50.538 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Tgt Ion: 83 Resp: 264373
Ion Ratio Lower Upper
83 100
85 65.5 55.3 82.9

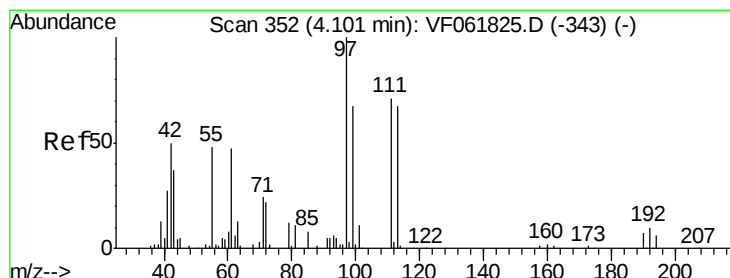
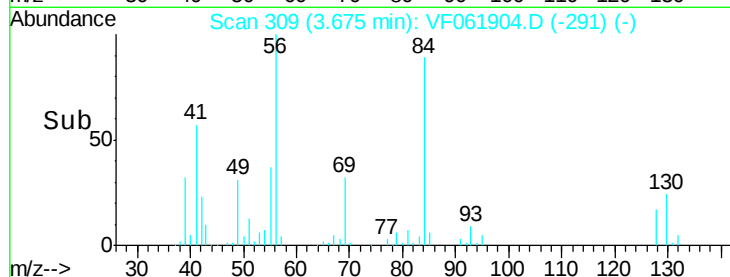
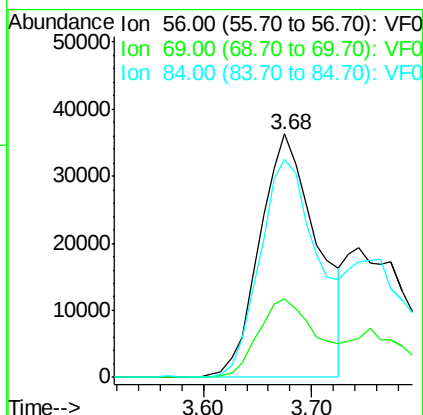
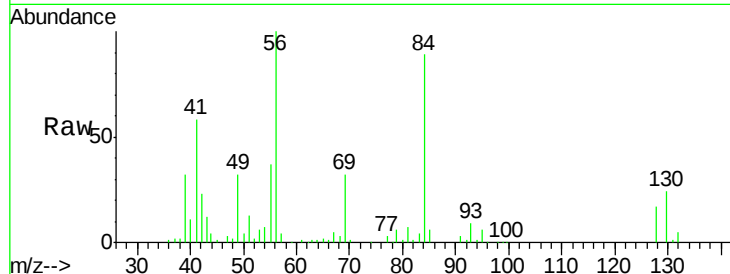




#31
Cyclohexane
Concen: 28.124 ug/l
RT: 3.68 min Scan# 309
Delta R.T. -0.02 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

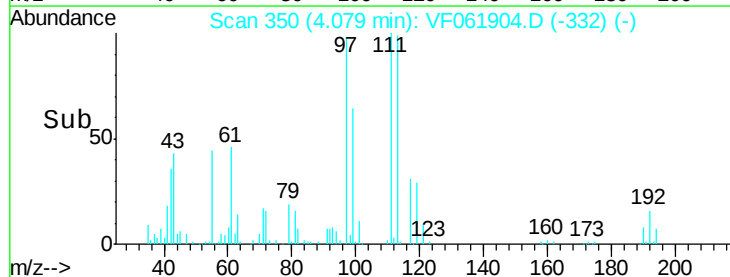
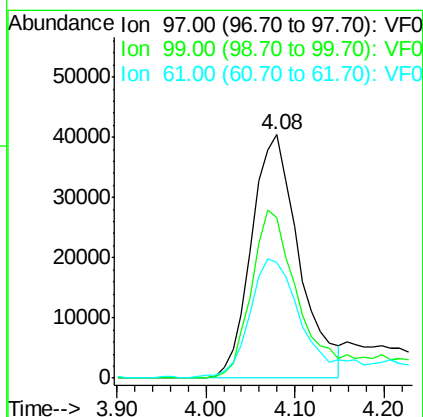
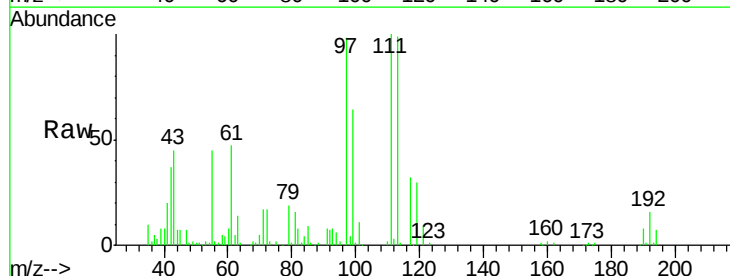
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

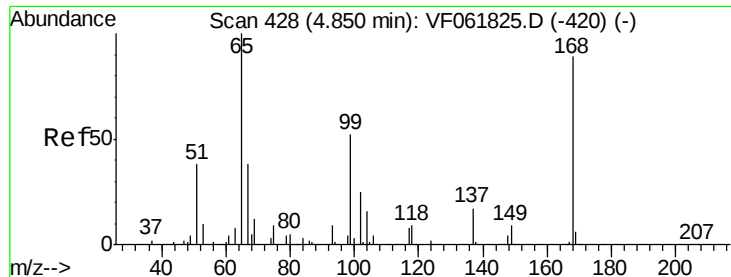
Tot Ion: 56 Resp: 134912
Ion Ratio Lower Upper
56 100
69 32.3 26.0 39.0
84 89.4 71.0 106.6



#32
1,1,1-Trichloroethane
Concen: 46.549 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.02 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Tgt Ion: 97 Resp: 150095
Ion Ratio Lower Upper
97 100
99 65.8 53.8 80.8
61 47.6 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 54.683 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

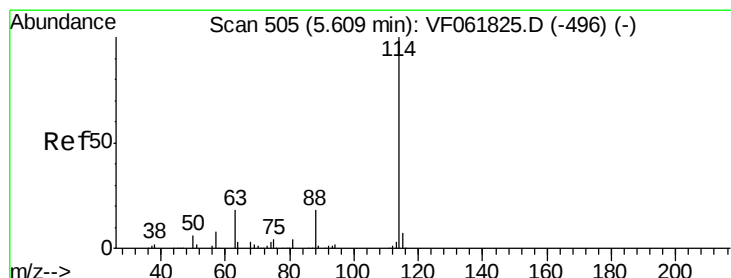
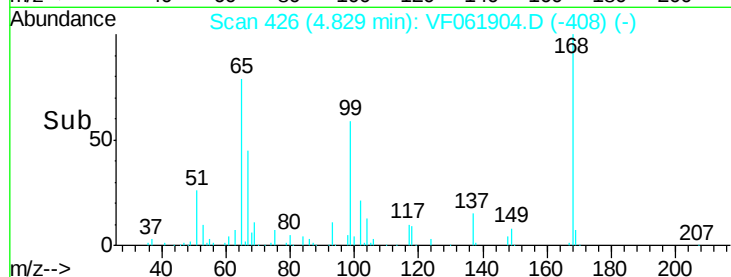
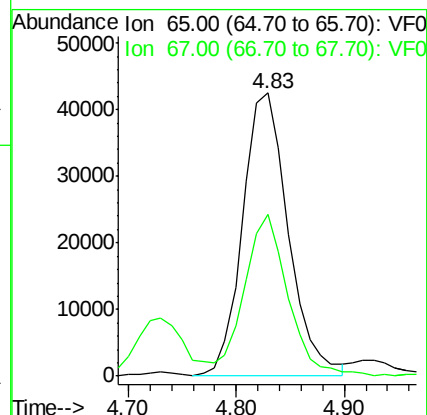
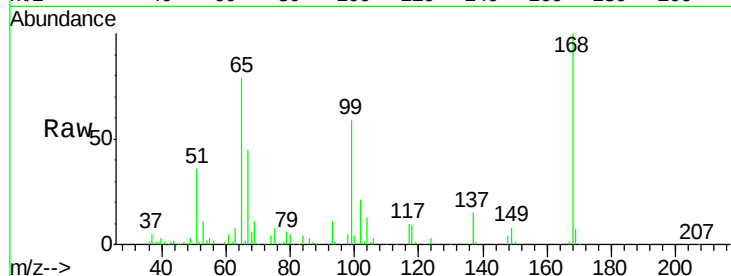
VSTDCCC050

Tot Ion: 65 Resp: 124501

Ion Ratio Lower Upper

65 100

67 56.9 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

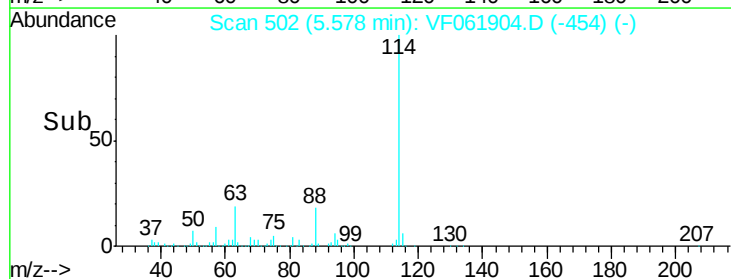
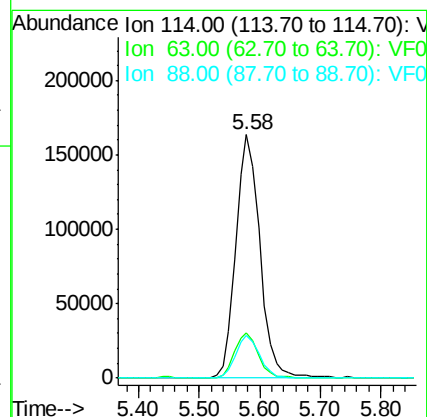
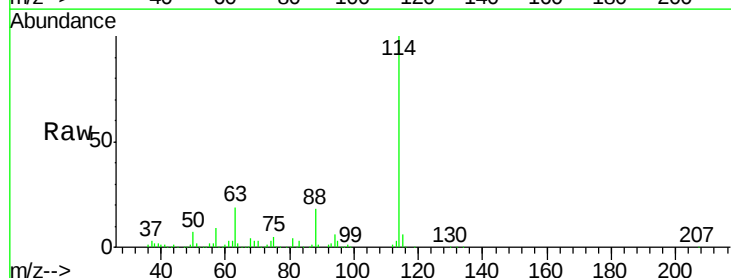
Tgt Ion: 114 Resp: 453031

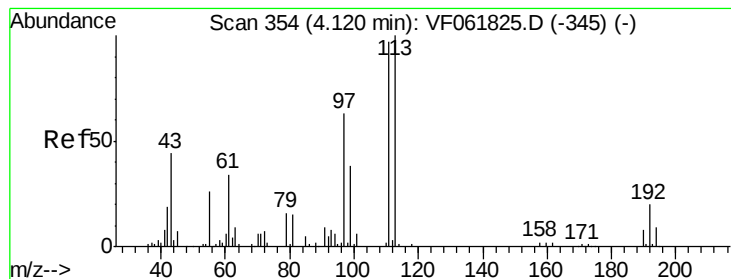
Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.6

88 17.8 0.0 35.6





#35

Dibromofluoromethane

Concen: 53.953 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

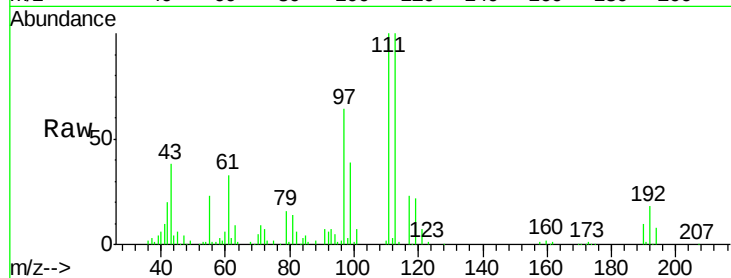
Tot Ion:113 Resp: 170575

Ion Ratio Lower Upper

113 100

111 100.0 77.6 116.4

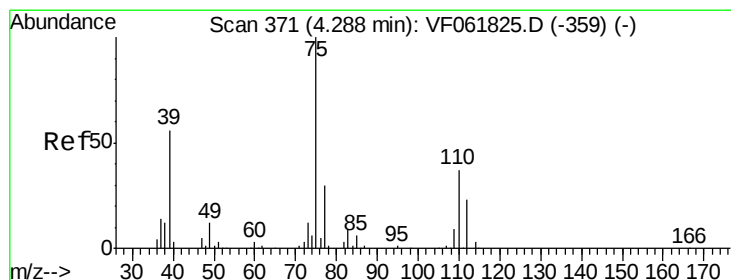
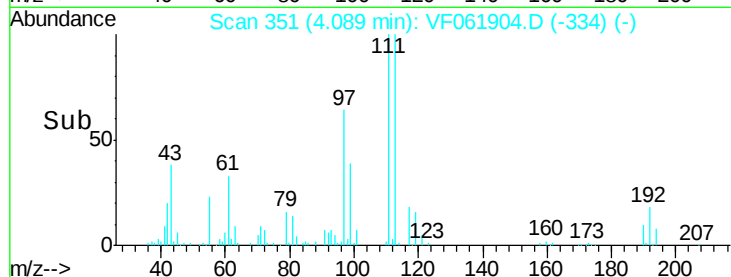
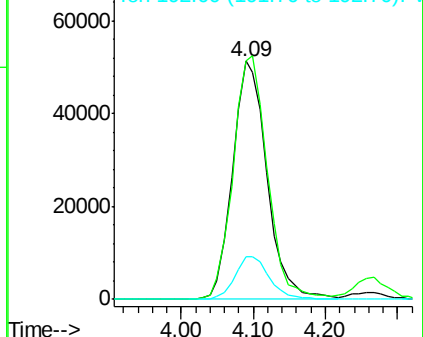
192 18.3 15.9 23.9



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 51.316 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.03 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

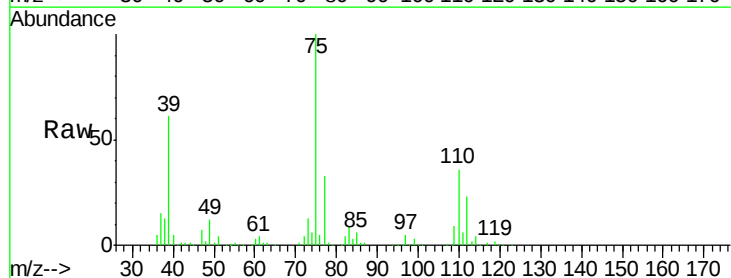
Tgt Ion: 75 Resp: 219601

Ion Ratio Lower Upper

75 100

110 35.6 18.6 55.6

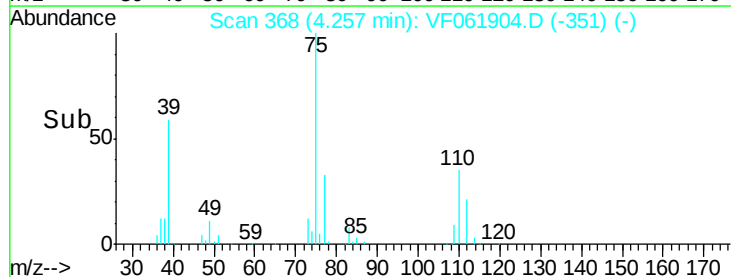
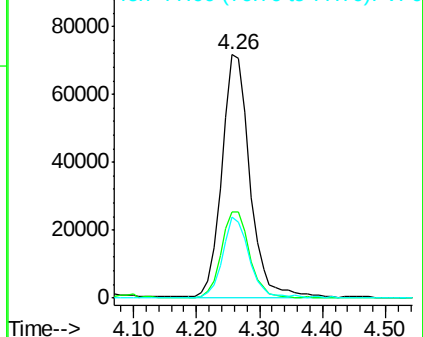
77 33.1 24.2 36.2

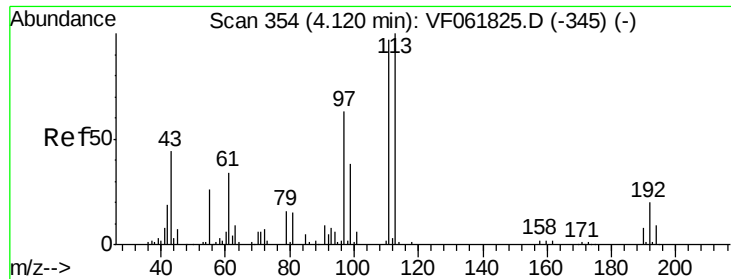


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

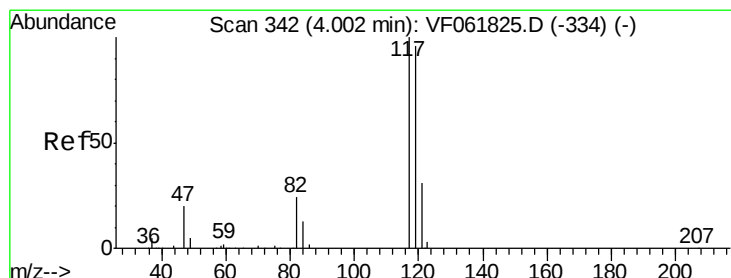
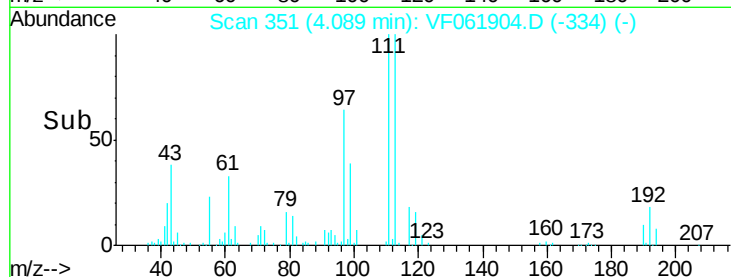
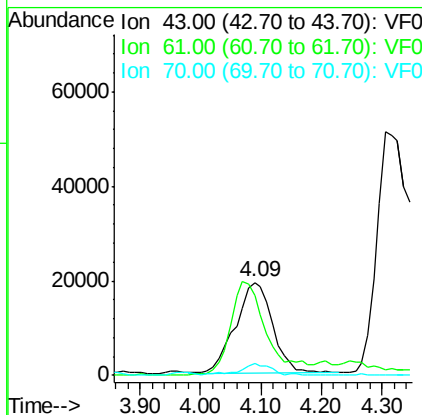
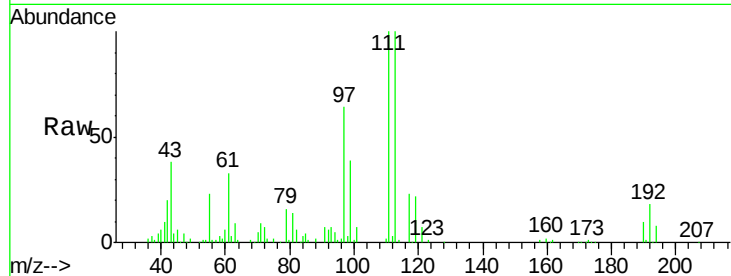




#37
Ethyl Acetate
Concen: 46.021 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.03 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

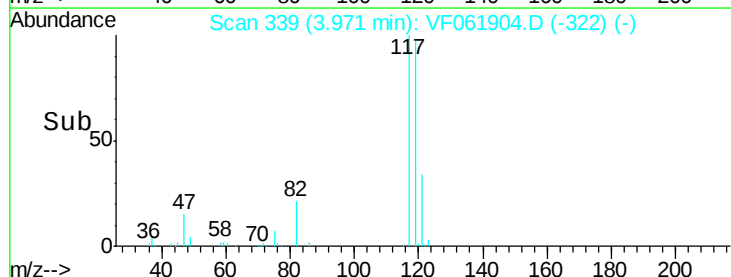
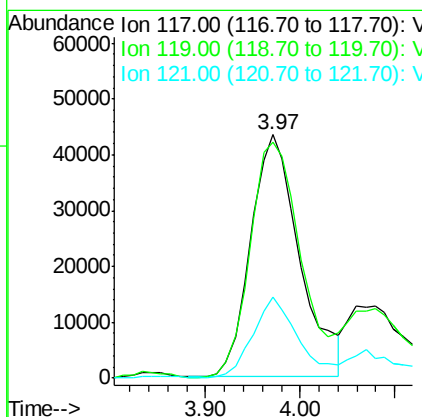
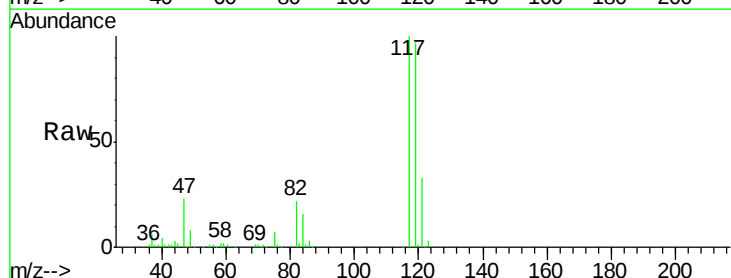
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

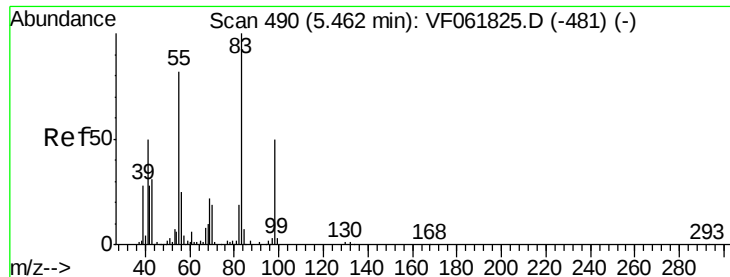
Tot Ion: 43 Resp: 82663
Ion Ratio Lower Upper
43 100
61 85.3 60.7 91.1
70 12.8 10.6 15.8



#38
Carbon Tetrachloride
Concen: 51.745 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.03 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Tgt Ion: 117 Resp: 156755
Ion Ratio Lower Upper
117 100
119 97.0 76.6 114.8
121 33.5 24.4 36.6

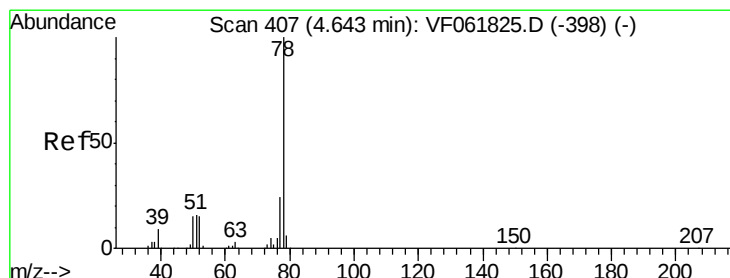
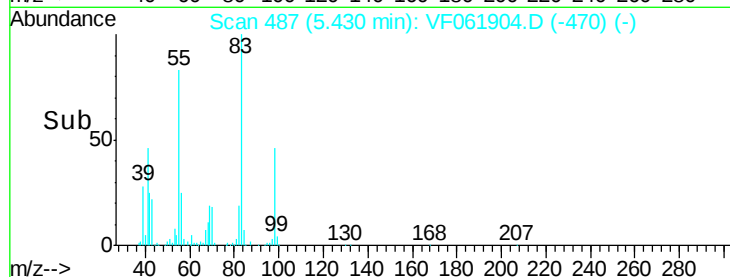
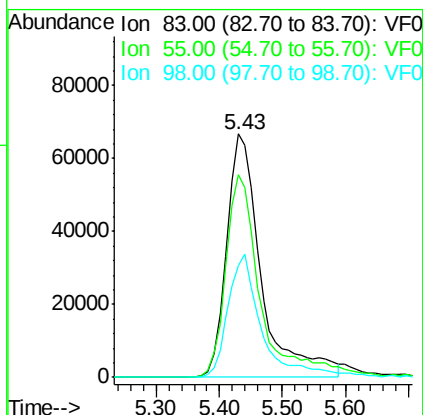
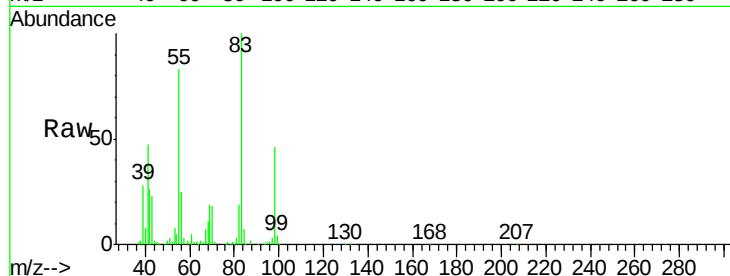




#39
Methvlcvclohexane
Concen: 50.445 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.03 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

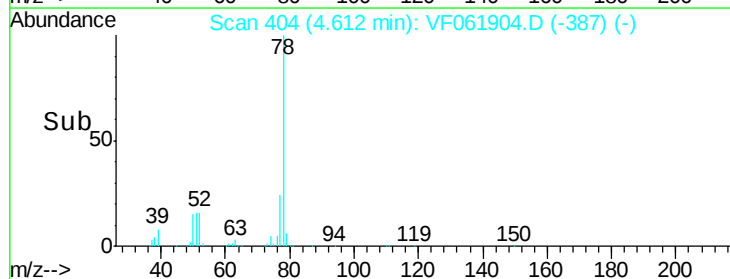
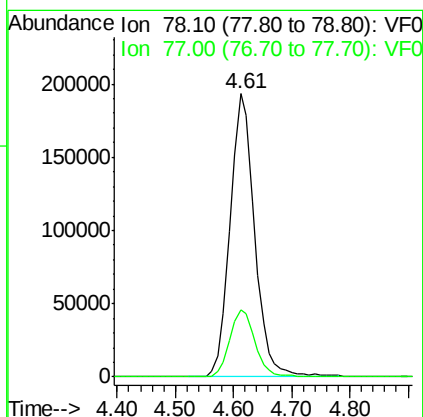
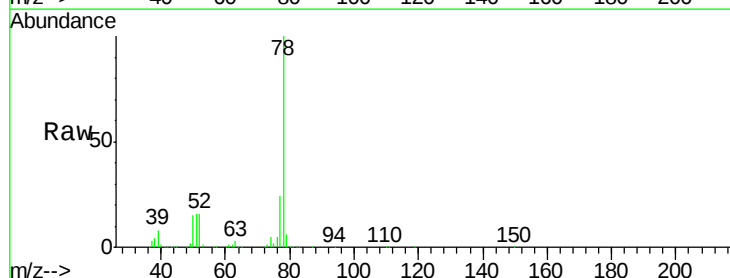
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

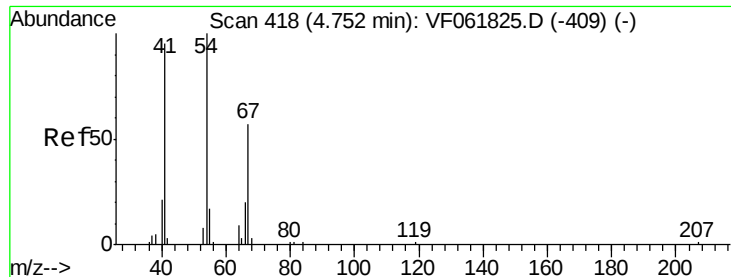
Tot Ion: 83 Resp: 254981
Ion Ratio Lower Upper
83 100
55 83.4 66.0 99.0
98 46.1 39.8 59.6



#40
Benzene
Concen: 50.708 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.03 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Tgt Ion: 78 Resp: 567208
Ion Ratio Lower Upper
78 100
77 23.8 19.5 29.3

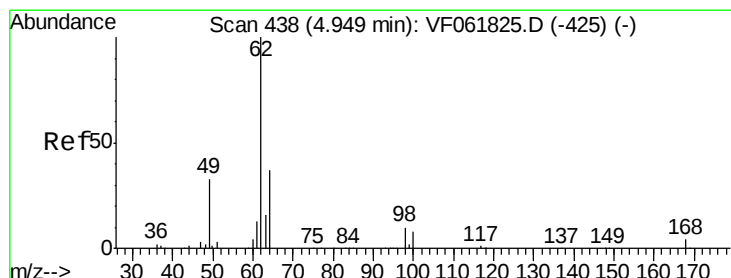
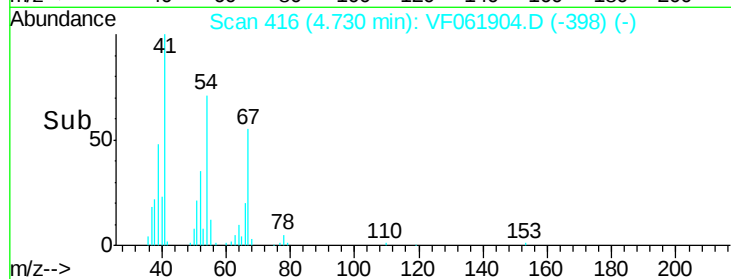
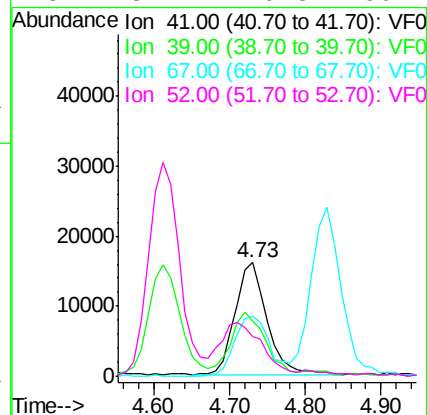
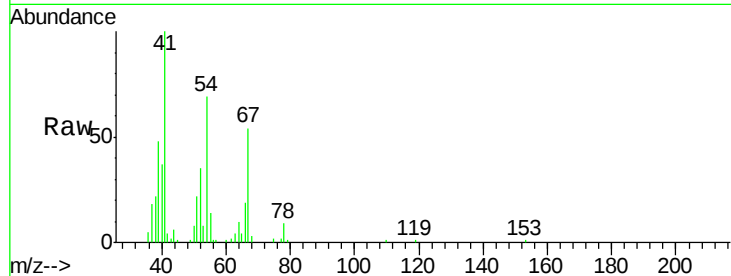




#41
Methacrylonitrile
Concen: 46.963 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.02 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

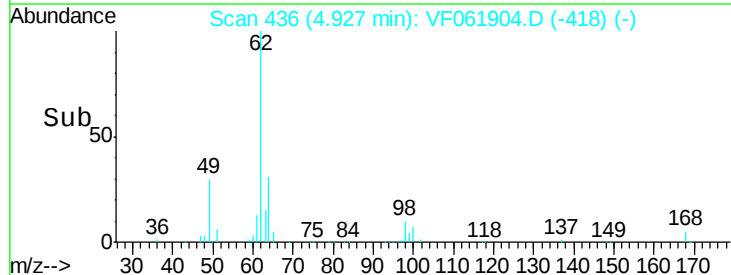
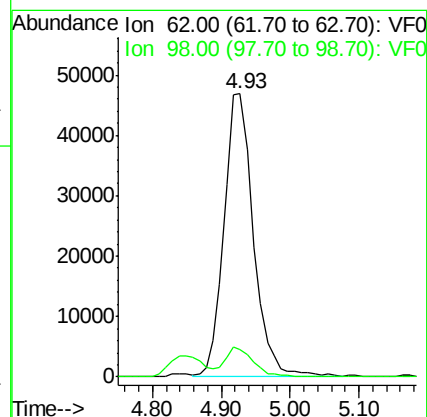
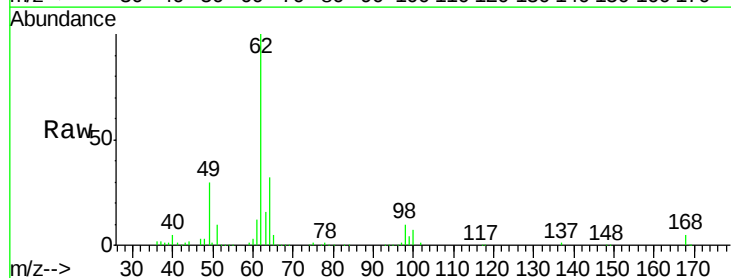
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

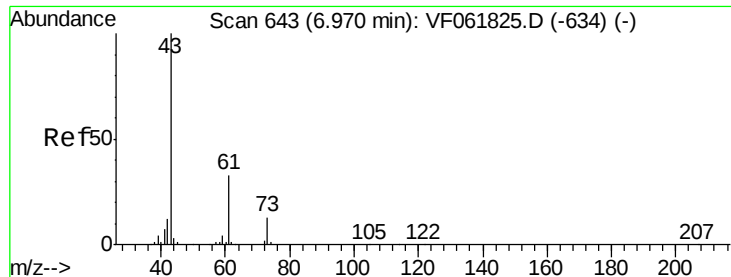
Tot Ion:	41	Resp:	46217
Ion	Ratio	Lower	Upper
41	100		
39	48.3	43.0	64.6
67	53.5	47.8	71.8
52	34.7	40.5	60.7#



#42
1,2-Dichloroethane
Concen: 49.449 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Tgt Ion:	62	Resp:	137845
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	21.0



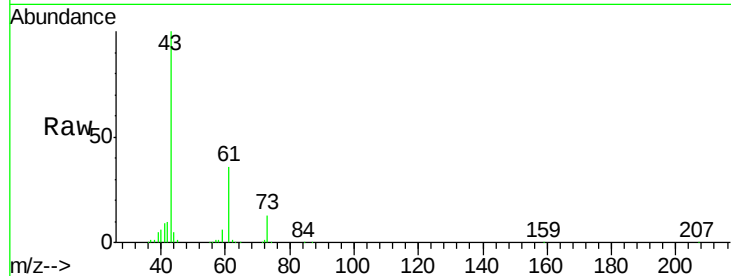


#43

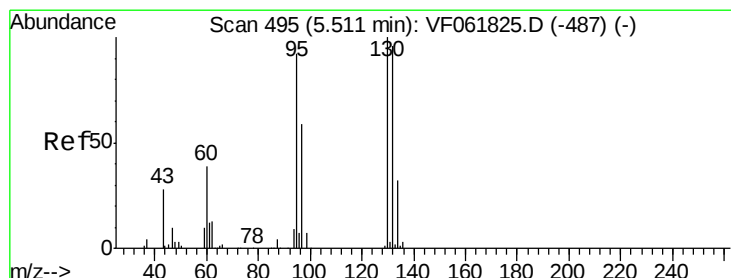
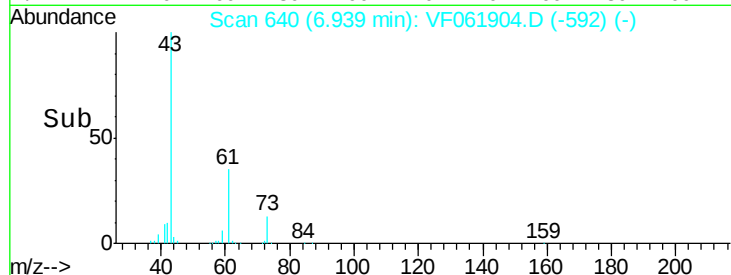
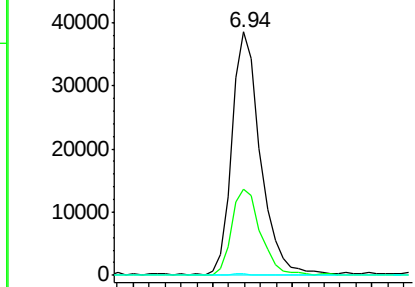
Isopropyl Acetate
 Concen: 43.834 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.03 min
 Lab File: VF061904.D
 Acq: 12 Mar 2019 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 97054
 Ion Ratio Lower Upper
 43 100
 61 35.5 26.1 39.1
 87 0.5 0.0 0.0#



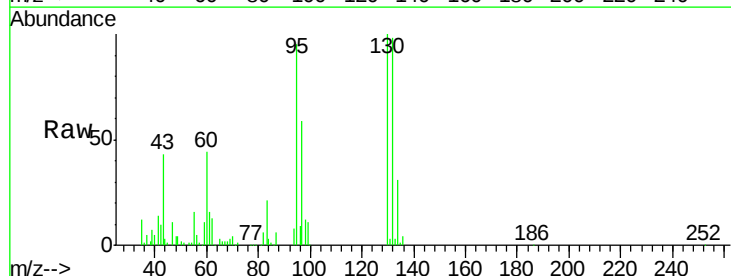
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



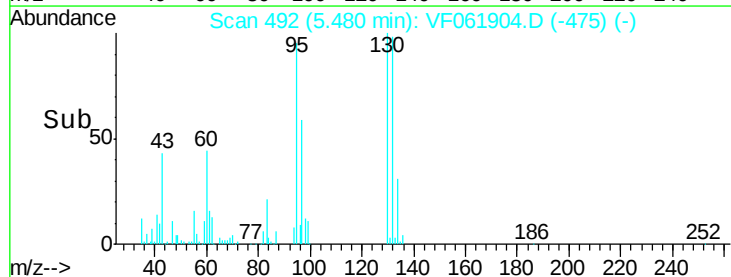
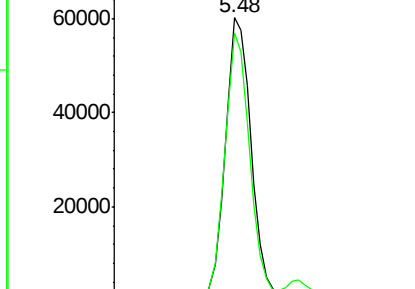
#44

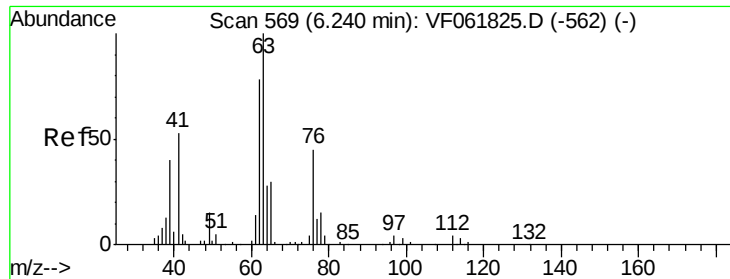
Trichloroethene
 Concen: 48.948 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.03 min
 Lab File: VF061904.D
 Acq: 12 Mar 2019 13:47

Tgt Ion: 130 Resp: 170154
 Ion Ratio Lower Upper
 130 100
 95 94.7 0.0 184.0



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





#45

1,2-Dichloropropane

Concen: 51.352 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

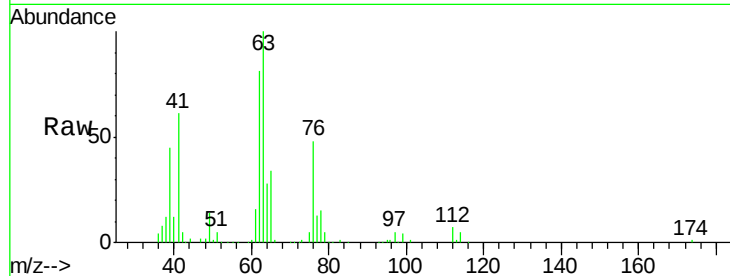
VSTDCCC050

Tot Ion: 63 Resp: 136592

Ion Ratio Lower Upper

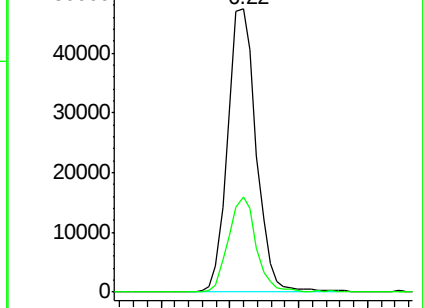
63 100

65 33.5 24.0 36.0

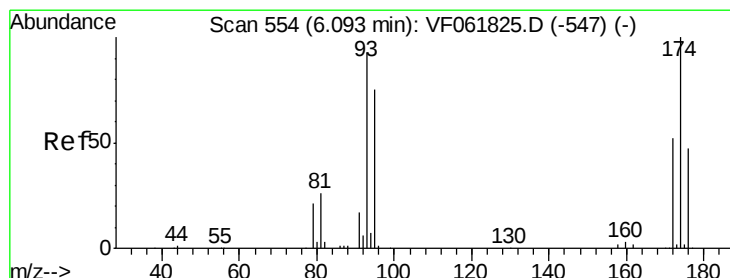
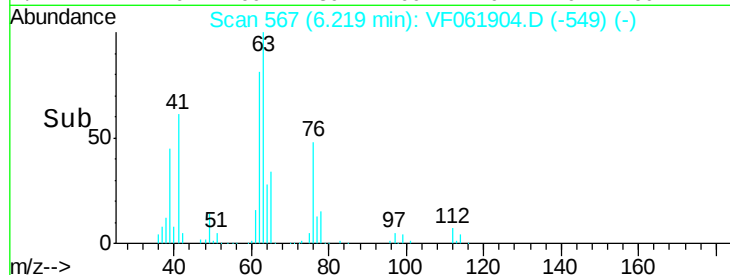


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



Time-->



#46

Dibromomethane

Concen: 48.143 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

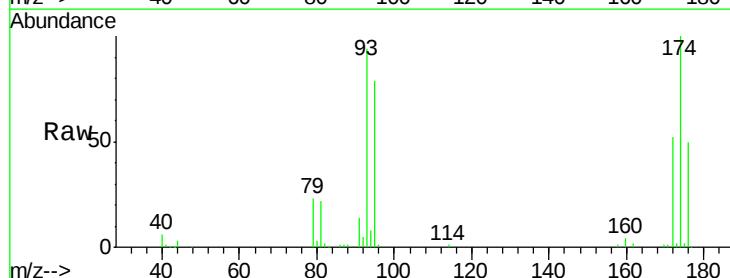
Tgt Ion: 93 Resp: 80594

Ion Ratio Lower Upper

93 100

95 83.2 64.4 96.6

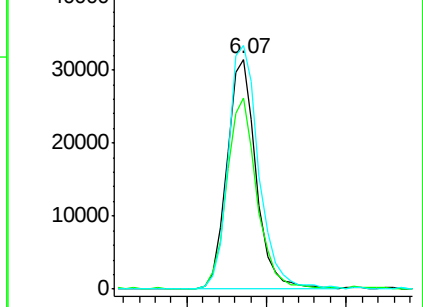
174 105.9 85.8 128.6



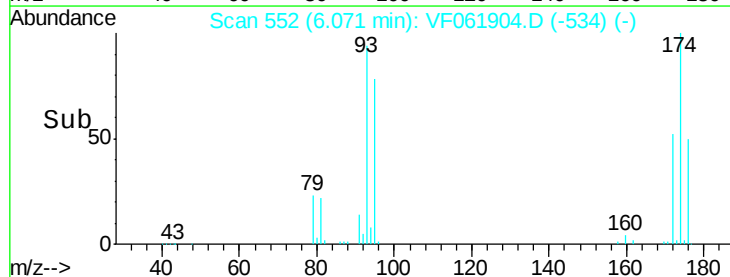
Abundance Ion 93.00 (92.70 to 93.70): VF0

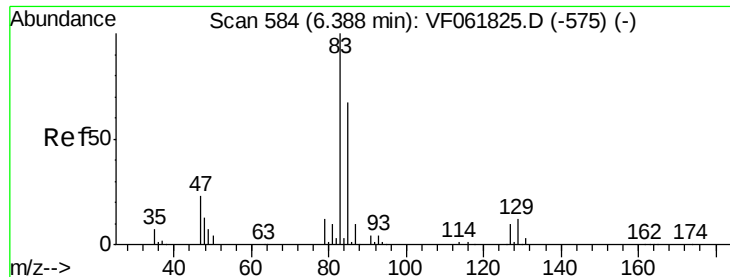
Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V



Time-->





#47

Bromodichloromethane

Concen: 50.324 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

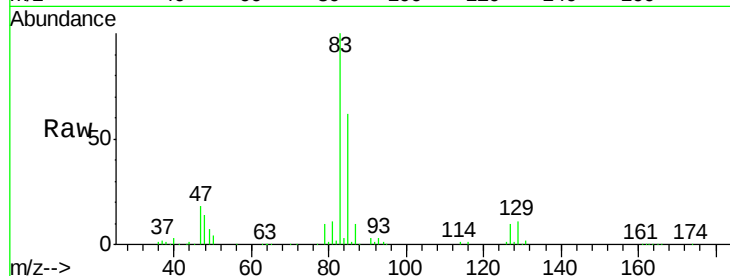
Tot Ion: 83 Resp: 186116

Ion Ratio Lower Upper

83 100

85 62.3 53.6 80.4

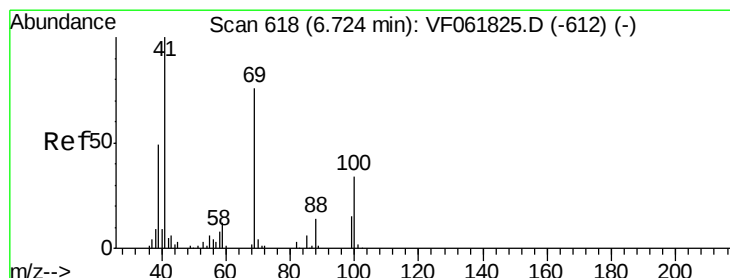
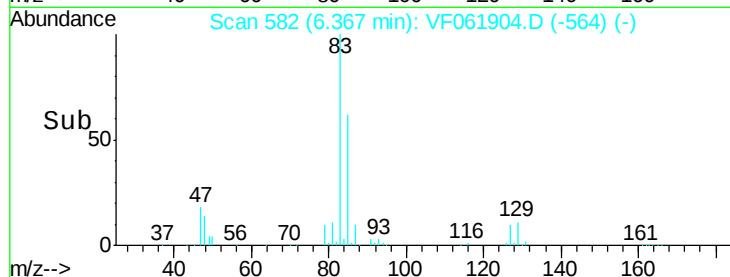
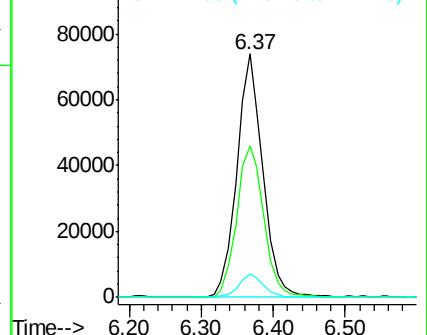
127 9.7 8.1 12.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 46.956 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

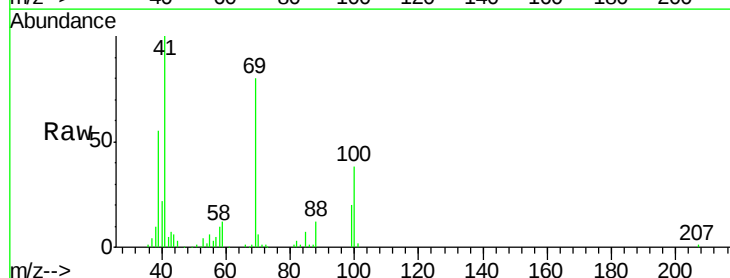
Tgt Ion: 41 Resp: 65797

Ion Ratio Lower Upper

41 100

69 80.5 60.4 90.6

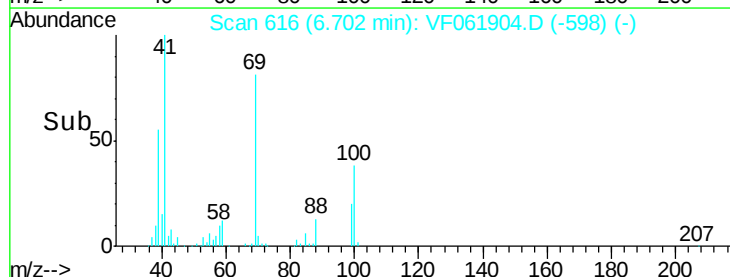
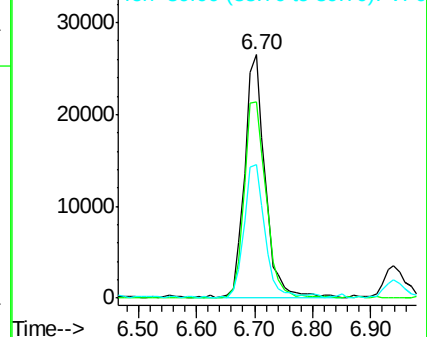
39 54.8 39.7 59.5



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: 977.628 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

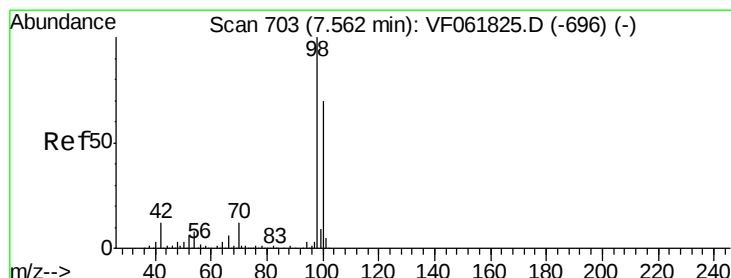
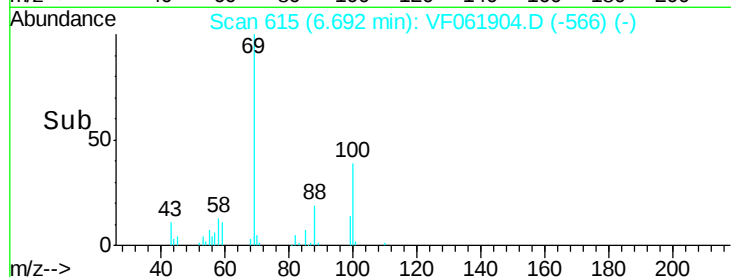
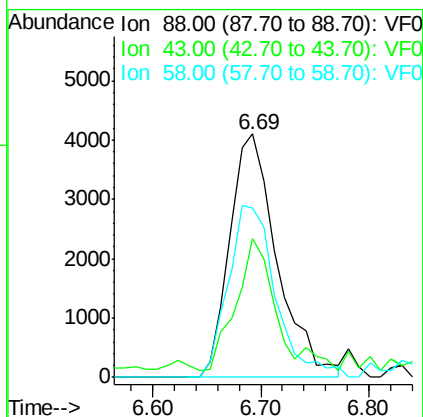
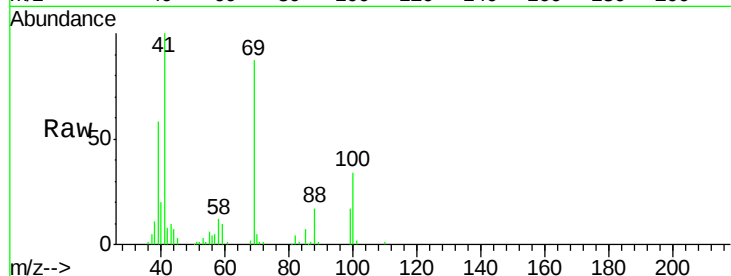
Tot Ion: 88 Resp: 12523

Ion Ratio Lower Upper

88 100

43 57.0 28.4 42.6#

58 69.8 50.7 76.1



#50

Toluene-d8

Concen: 53.100 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061904.D

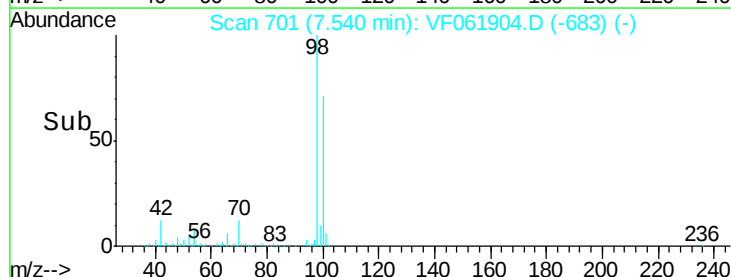
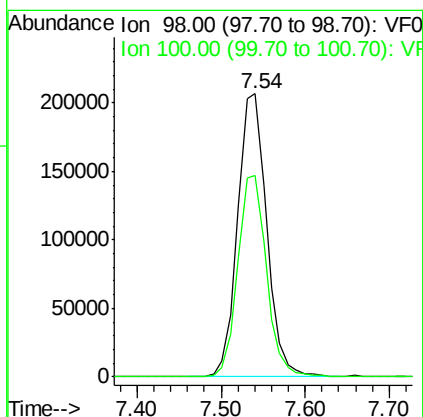
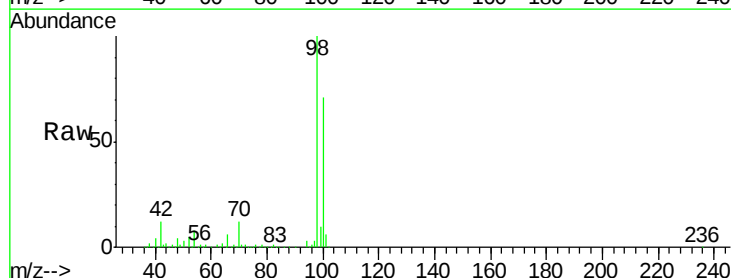
Acq: 12 Mar 2019 13:47

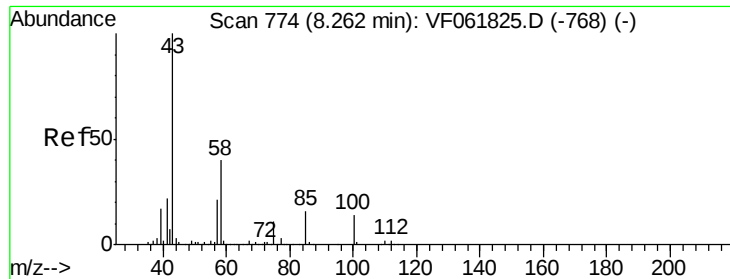
Tgt Ion: 98 Resp: 498983

Ion Ratio Lower Upper

98 100

100 71.3 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 236.882 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

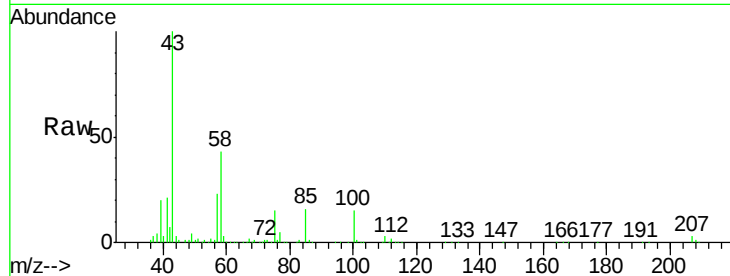
VSTDCCC050

Tot Ion: 43 Resp: 362491

Ion Ratio Lower Upper

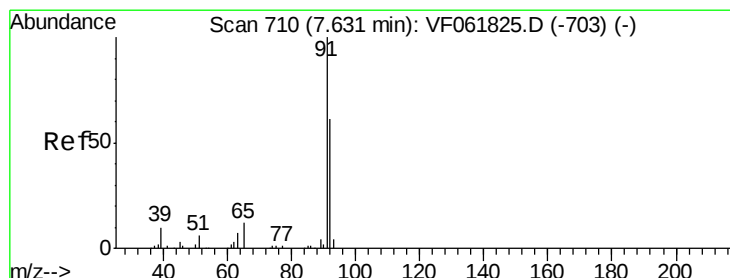
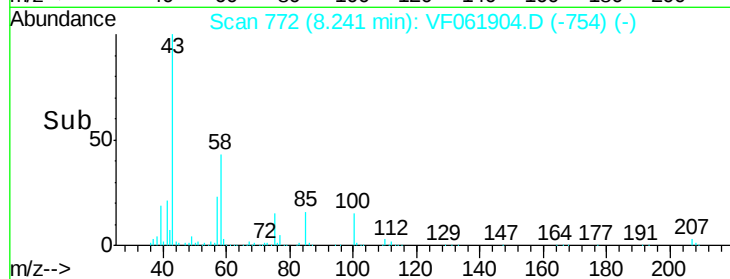
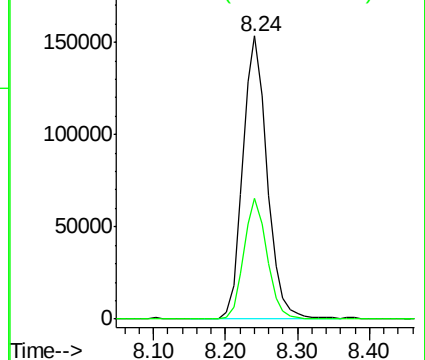
43 100

58 42.7 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 50.281 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061904.D

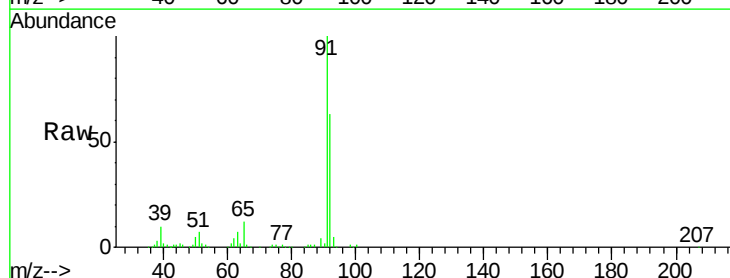
Acq: 12 Mar 2019 13:47

Tgt Ion: 92 Resp: 332722

Ion Ratio Lower Upper

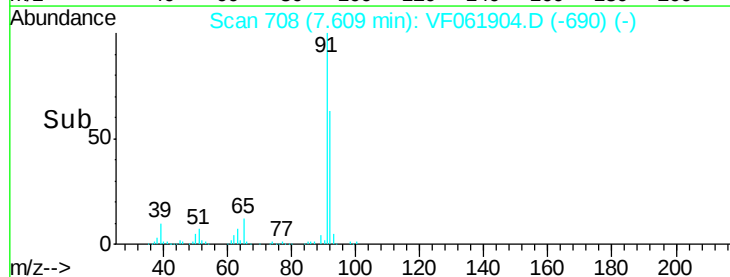
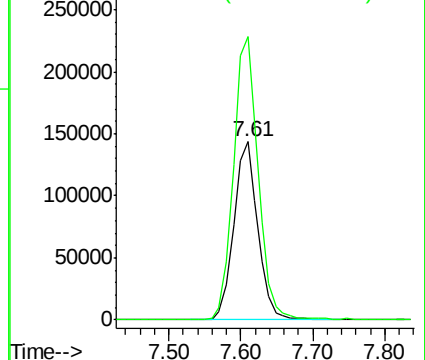
92 100

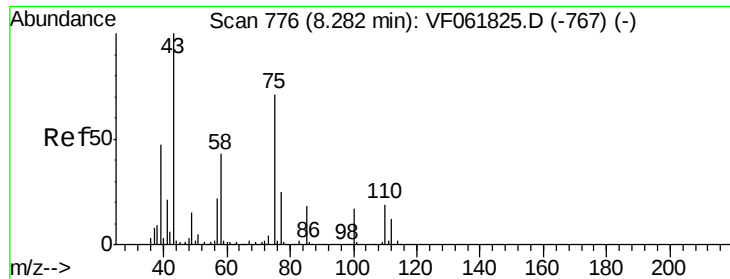
91 159.2 132.0 198.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 48.947 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

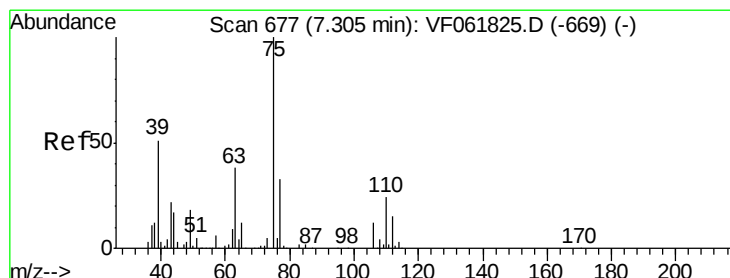
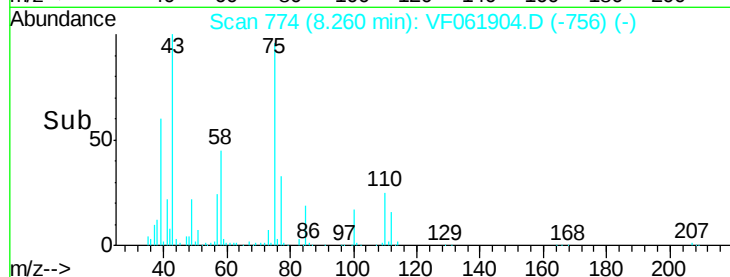
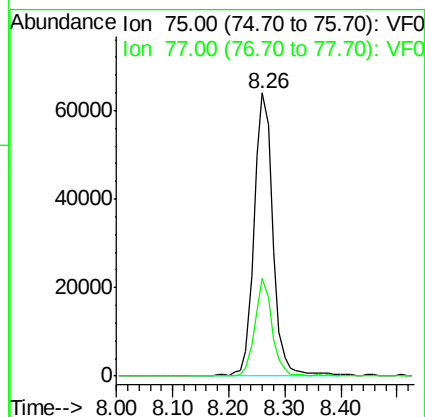
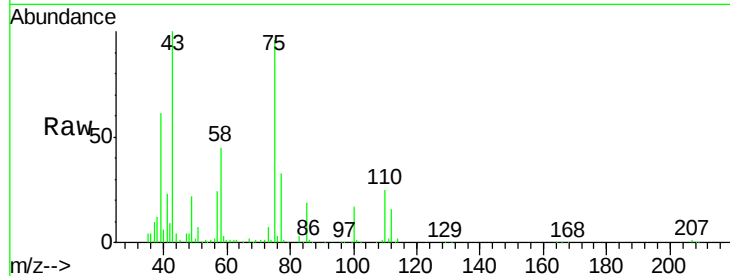
VSTDCCC050

Tot Ion: 75 Resp: 149427

Ion Ratio Lower Upper

75 100

77 34.5 28.0 42.0



#54

cis-1,3-Dichloropropene

Concen: 50.960 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

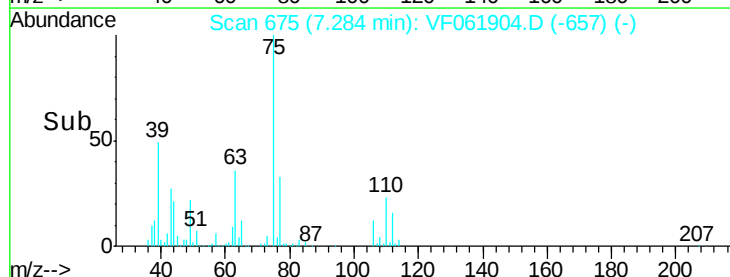
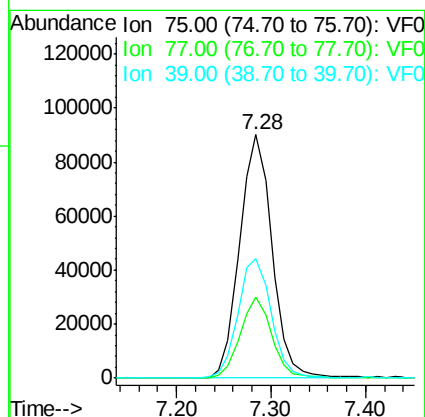
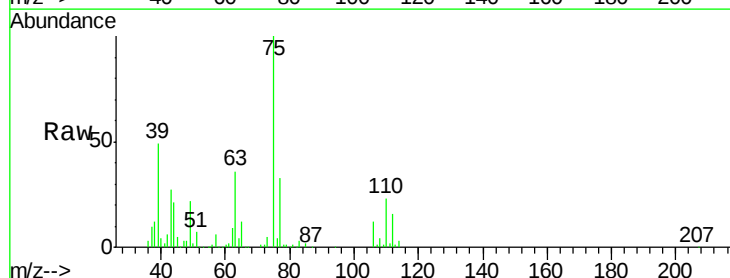
Tgt Ion: 75 Resp: 214583

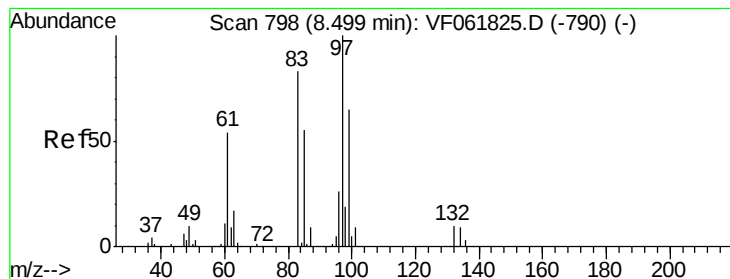
Ion Ratio Lower Upper

75 100

77 33.1 26.3 39.5

39 49.2 40.8 61.2





#55

1,1,2-Trichloroethane

Concen: 48.728 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 92904

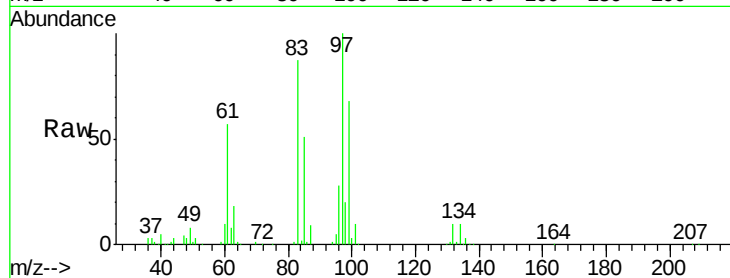
Ion Ratio Lower Upper

97 100

83 86.5 66.5 99.7

85 51.3 44.2 66.2

99 67.7 51.8 77.6

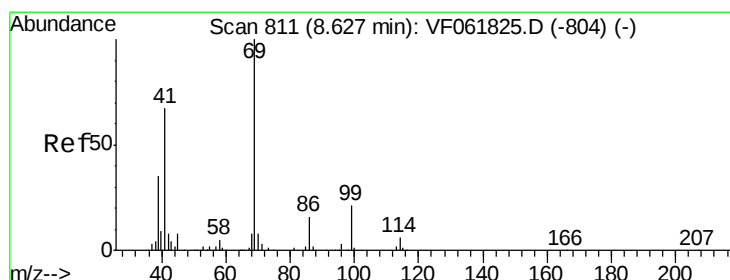
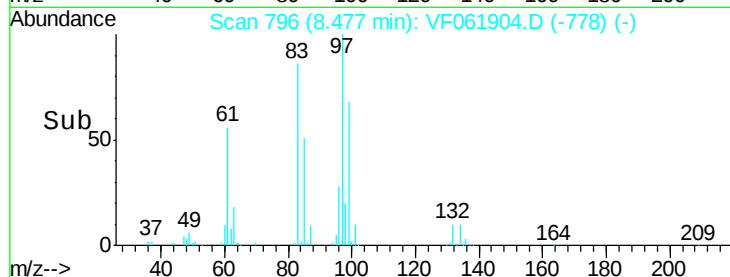
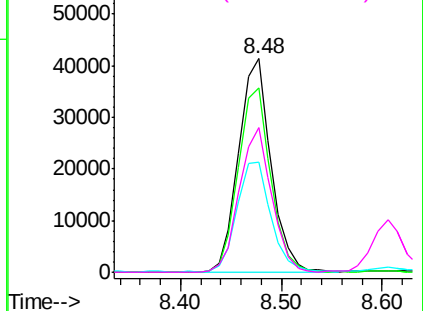


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 48.370 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

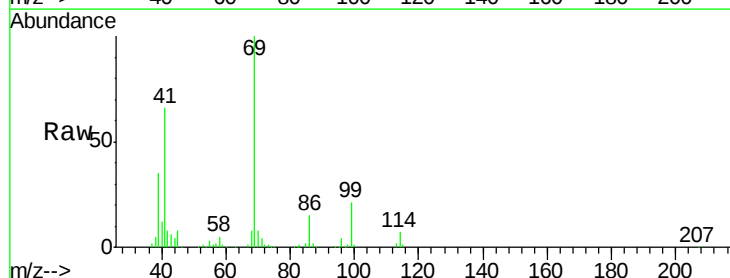
Tgt Ion: 69 Resp: 103935

Ion Ratio Lower Upper

69 100

41 66.2 53.9 80.9

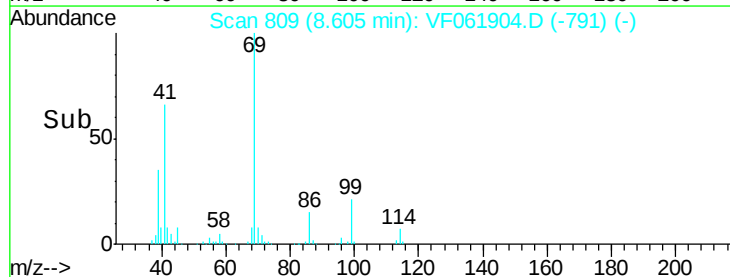
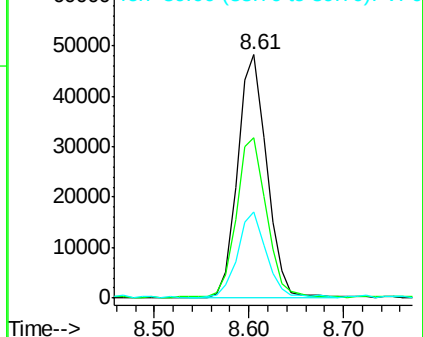
39 35.1 28.3 42.5

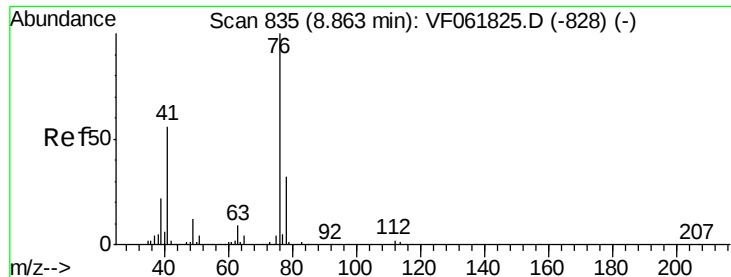


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 48.944 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.03 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

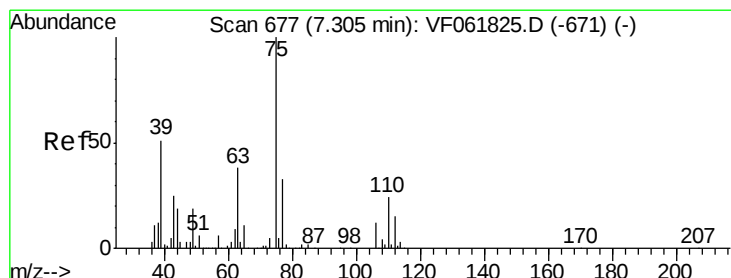
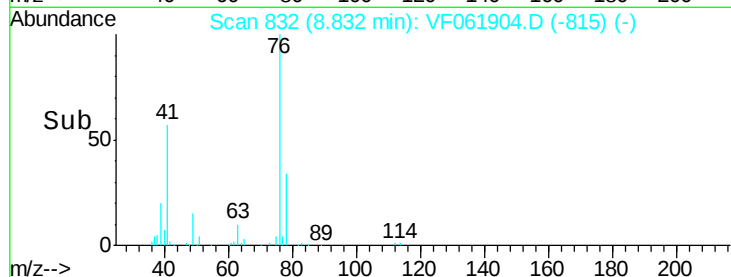
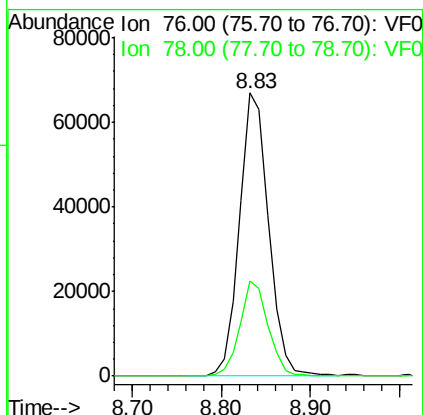
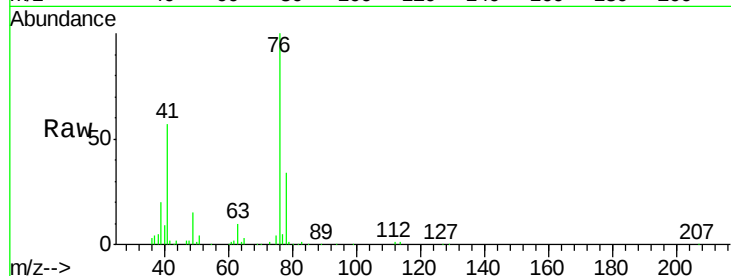
VSTDCCC050

Tot Ion: 76 Resp: 152608

Ion Ratio Lower Upper

76 100

78 33.6 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 250.261 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061904.D

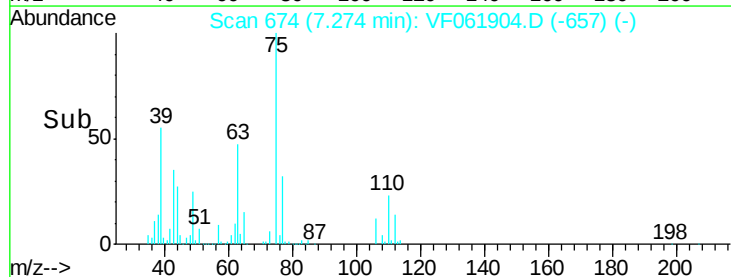
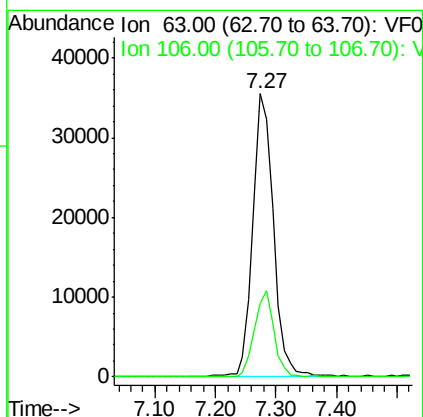
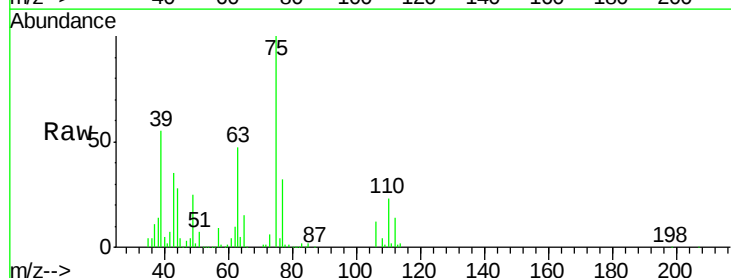
Acq: 12 Mar 2019 13:47

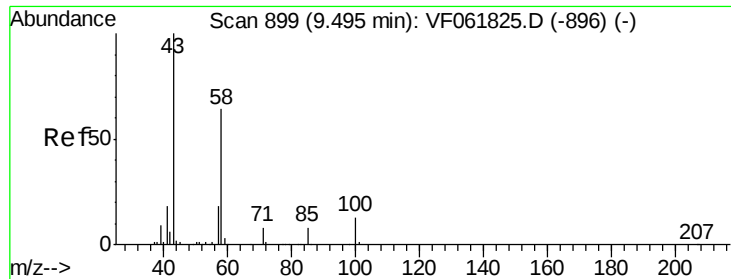
Tgt Ion: 63 Resp: 85066

Ion Ratio Lower Upper

63 100

106 25.9 24.3 36.5

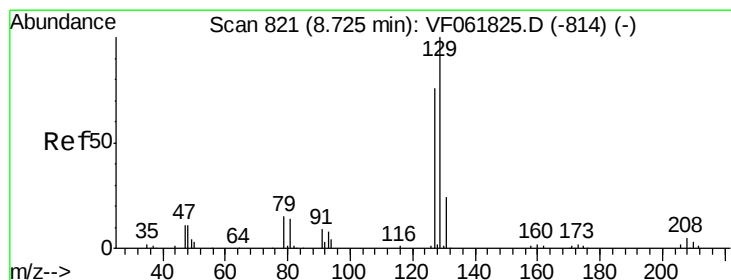
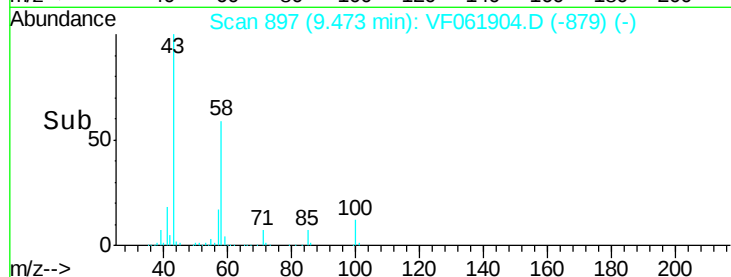
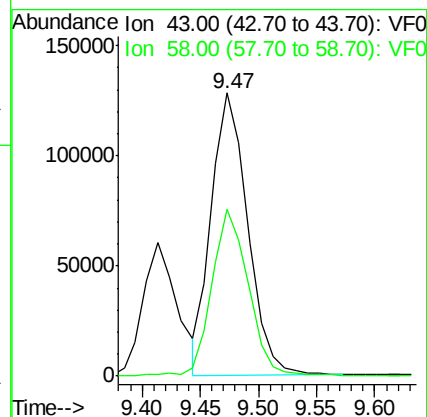
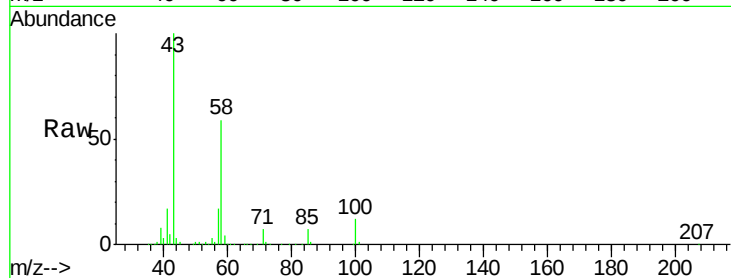




#59
2-Hexanone
Concen: 250.972 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

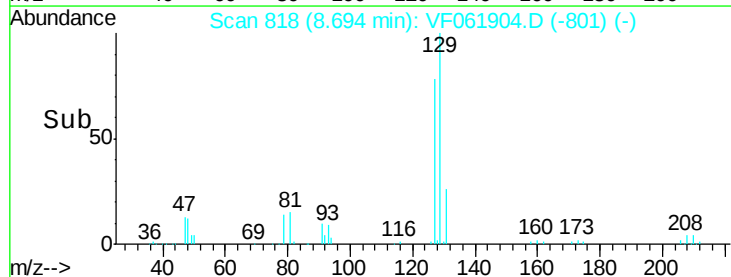
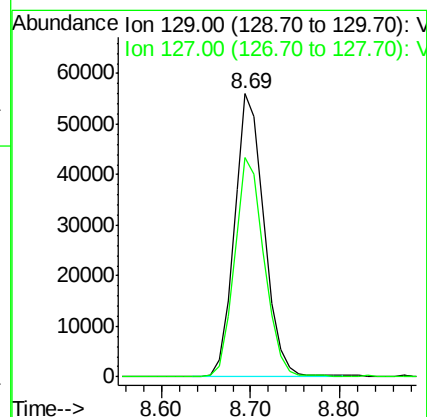
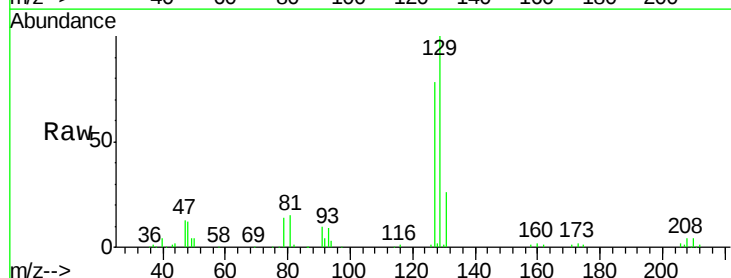
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

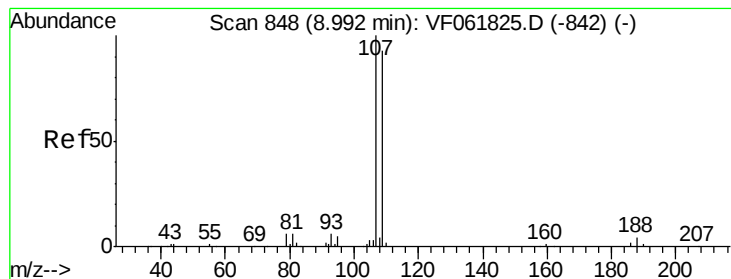
Tot Ion: 43 Resp: 277061
Ion Ratio Lower Upper
43 100
58 58.9 28.8 86.4



#60
Dibromochloromethane
Concen: 48.075 ug/l
RT: 8.69 min Scan# 818
Delta R.T. -0.03 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Tgt Ion: 129 Resp: 130637
Ion Ratio Lower Upper
129 100
127 77.7 38.2 114.6





#61

1,2-Dibromoethane

Concen: 48.019 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

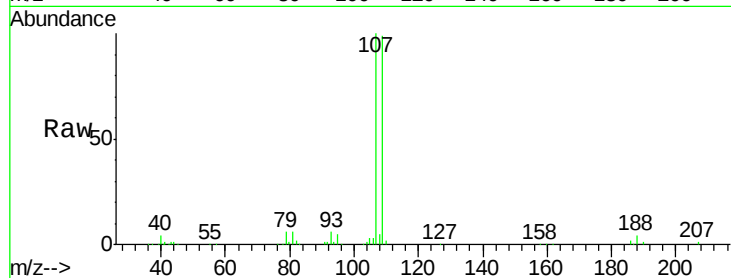
VSTDCCC050

Tot Ion:107 Resp: 100679

Ion Ratio Lower Upper

107 100

109 99.4 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.97

50000

40000

30000

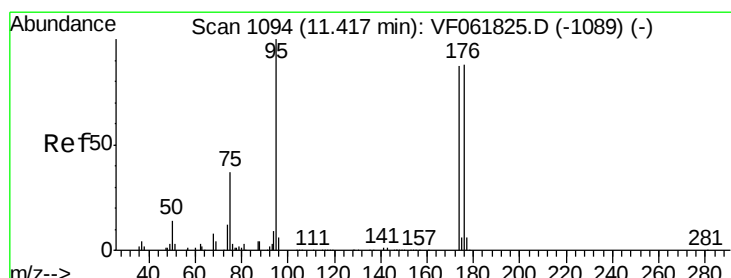
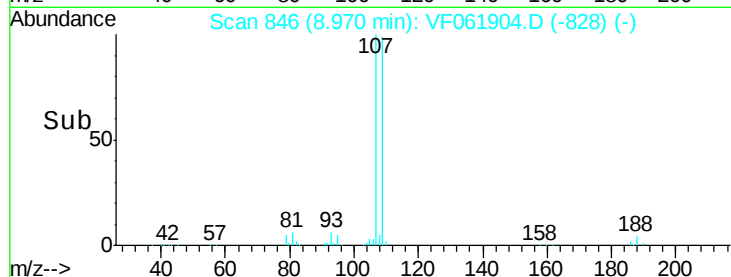
20000

10000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 53.024 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

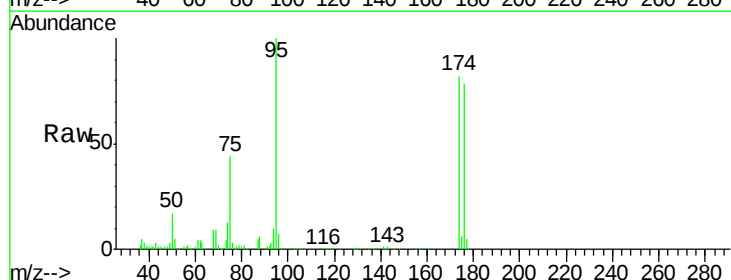
Tgt Ion: 95 Resp: 195184

Ion Ratio Lower Upper

95 100

174 81.5 0.0 174.0

176 77.7 0.0 175.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.40

150000

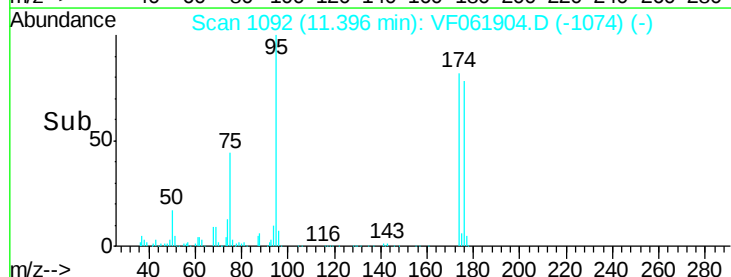
100000

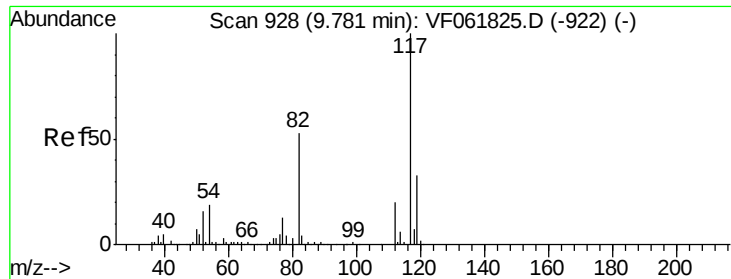
50000

0

Time-->

11.30 11.40 11.50

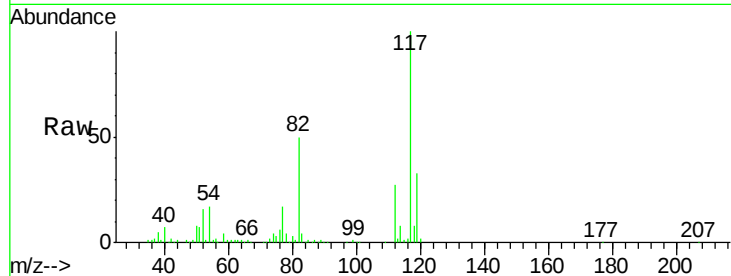




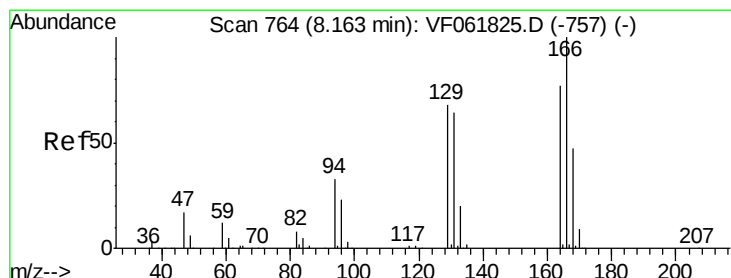
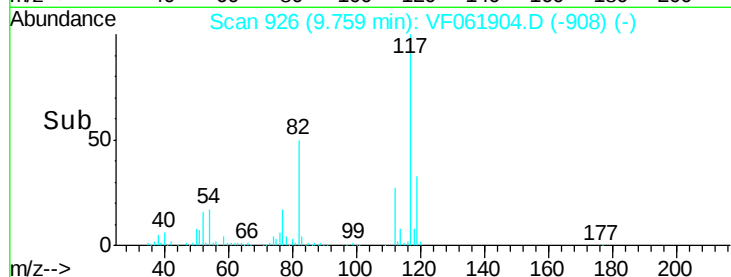
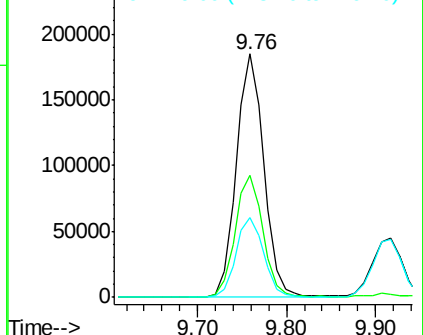
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 400123
Ion Ratio Lower Upper
117 100
82 50.1 42.6 63.8
119 32.7 26.0 39.0

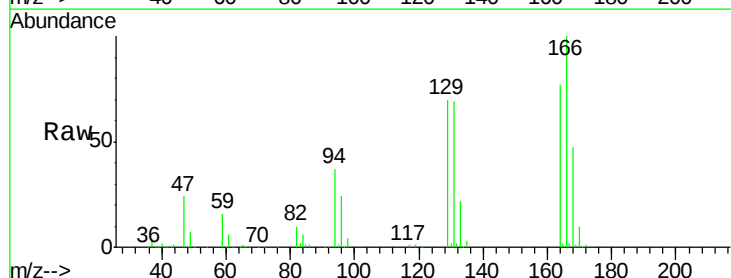


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

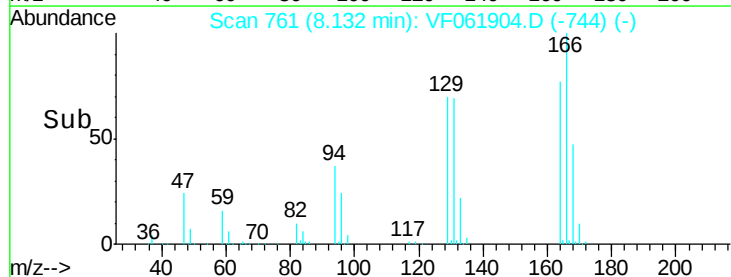
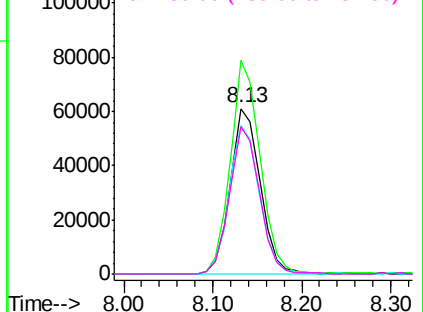


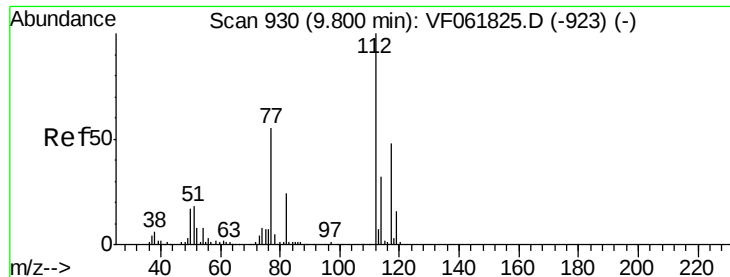
#64
Tetrachloroethene
Concen: 47.373 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.03 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Tgt Ion:164 Resp: 145649
Ion Ratio Lower Upper
164 100
166 129.3 103.4 155.0
129 89.9 69.9 104.9
131 89.2 66.4 99.6



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

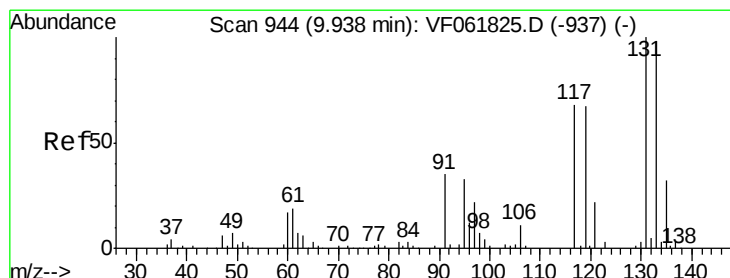
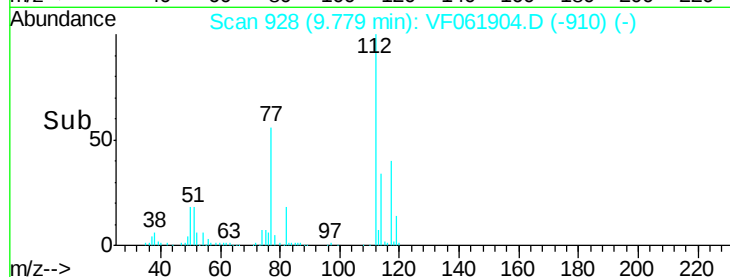
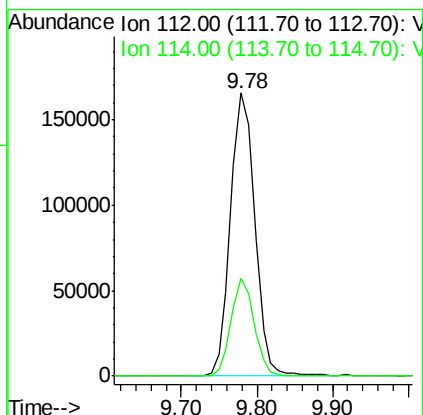
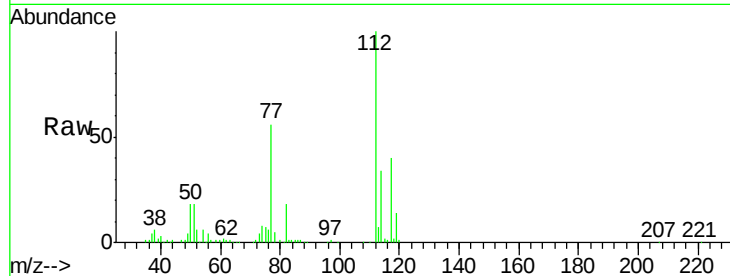




#65
Chlorobenzene
Concen: 48.119 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.02 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

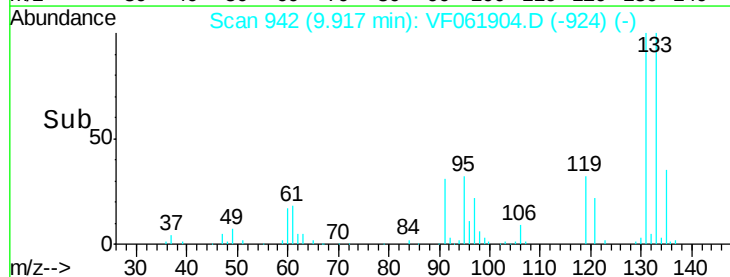
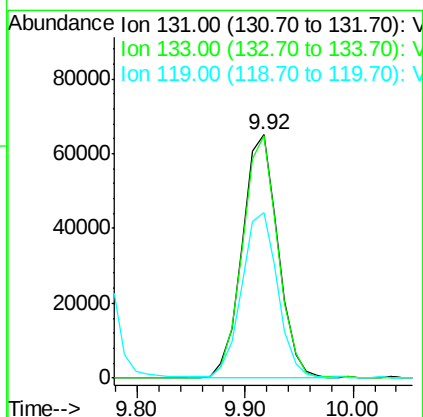
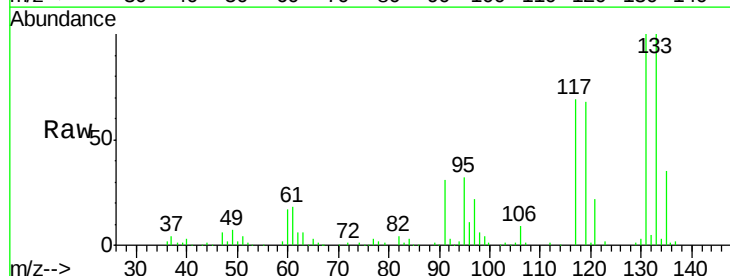
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

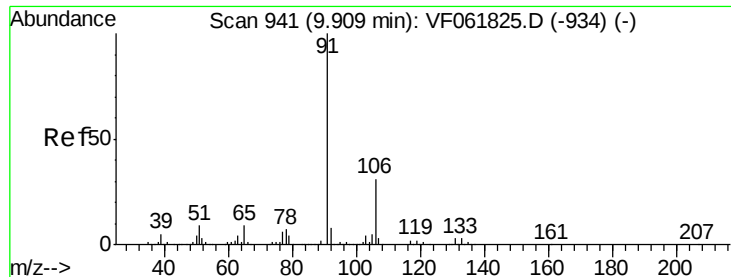
Tot Ion:112 Resp: 369903
Ion Ratio Lower Upper
112 100
114 34.4 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 50.276 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Tgt Ion:131 Resp: 149740
Ion Ratio Lower Upper
131 100
133 99.6 48.9 146.7
119 67.9 33.6 100.8





#67

Ethyl Benzene

Concen: 49.792 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

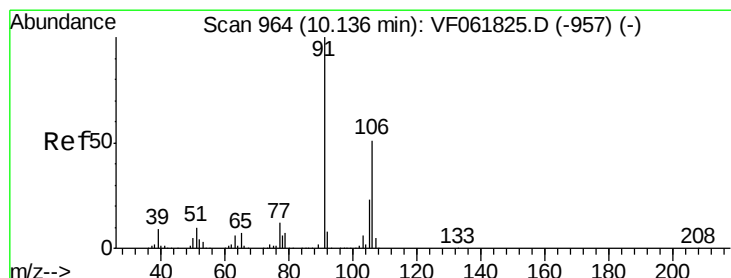
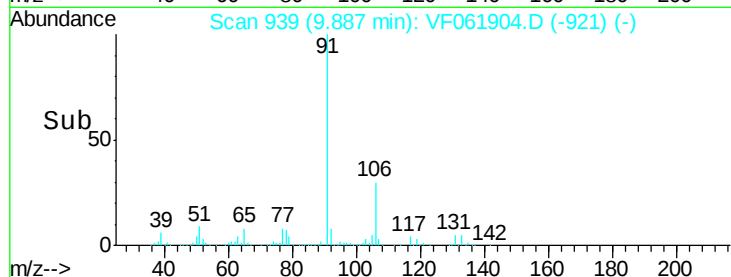
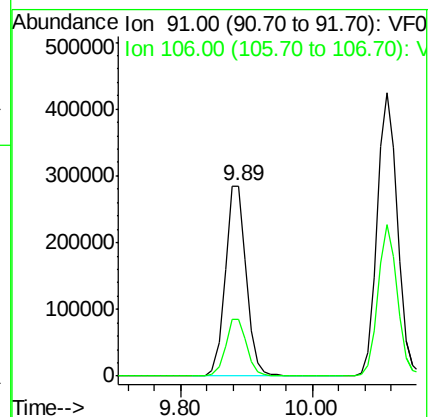
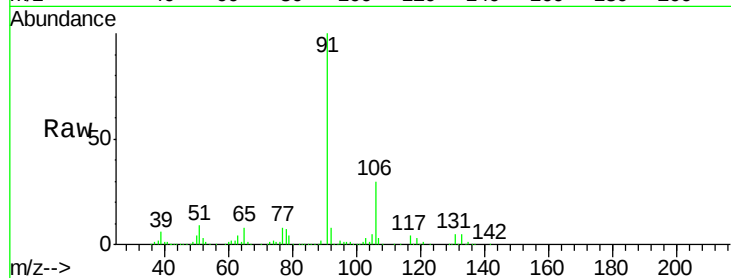
VSTDCCC050

Tot Ion: 91 Resp: 634411

Ion Ratio Lower Upper

91 100

106 29.7 25.0 37.4



#68

m/p-Xylenes

Concen: 96.396 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF061904.D

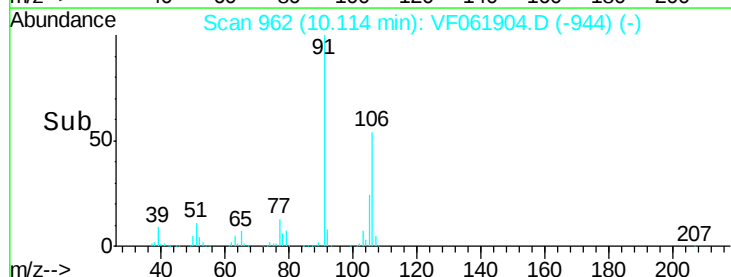
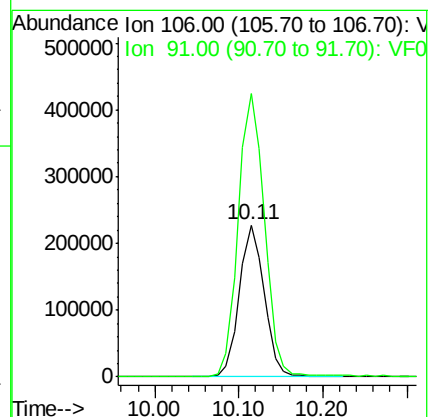
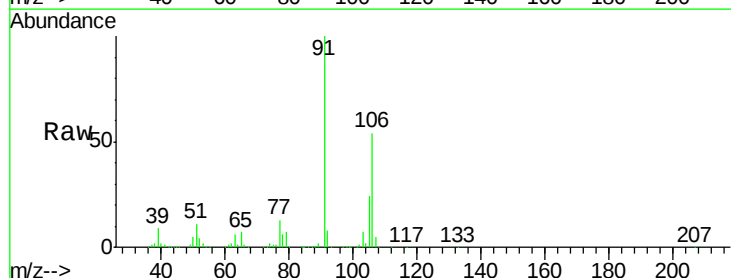
Acq: 12 Mar 2019 13:47

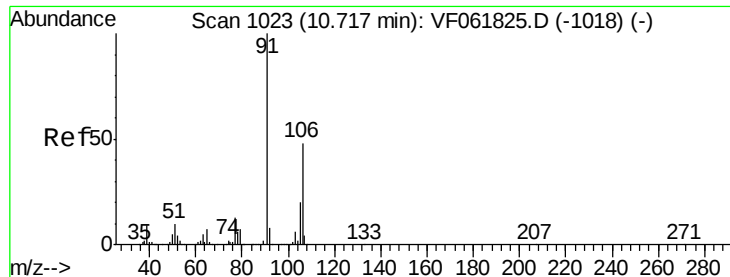
Tgt Ion: 106 Resp: 470509

Ion Ratio Lower Upper

106 100

91 186.6 157.5 236.3

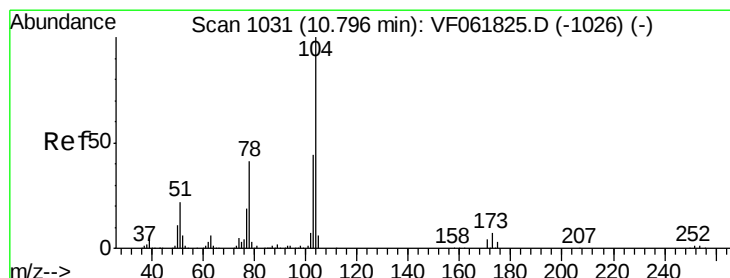
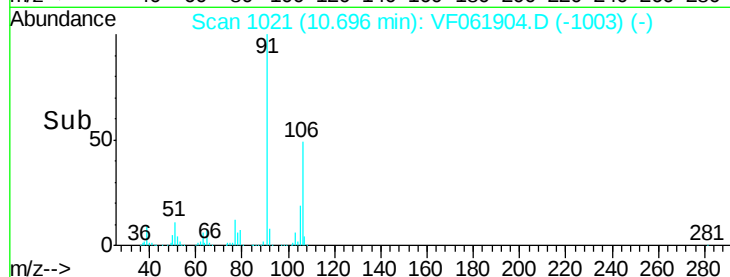
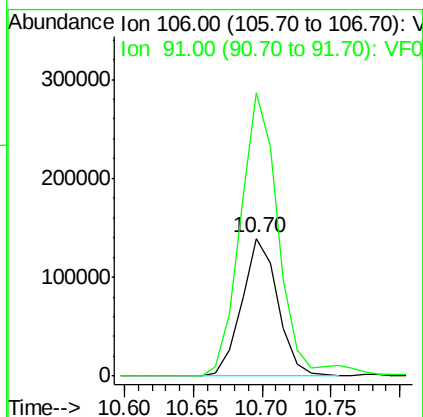
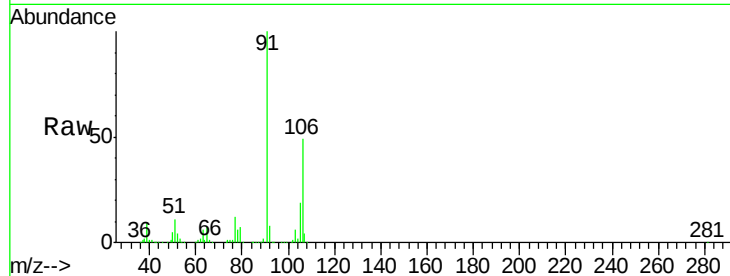




#69
o-Xylene
Concen: 48.471 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

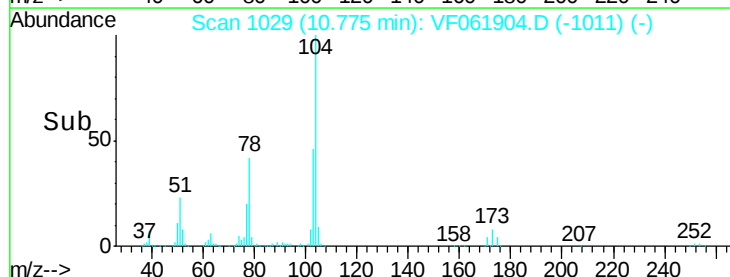
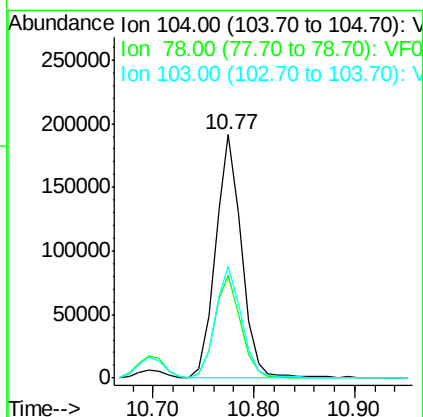
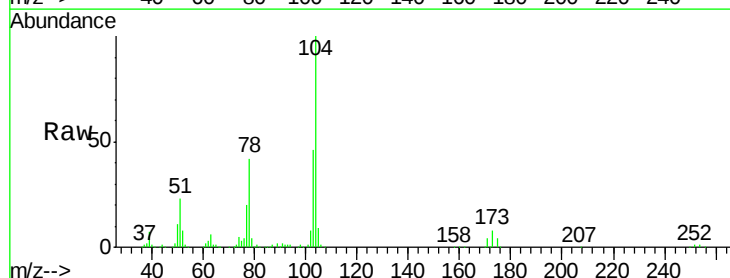
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

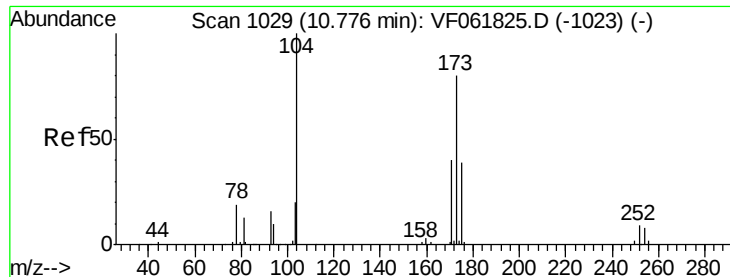
Tot Ion:106 Resp: 254760
Ion Ratio Lower Upper
106 100
91 205.4 103.5 310.3



#70
Styrene
Concen: 45.855 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Tgt Ion:104 Resp: 339179
Ion Ratio Lower Upper
104 100
78 42.5 33.3 49.9
103 46.1 35.4 53.0





#71

Bromoform

Concen: 46.986 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

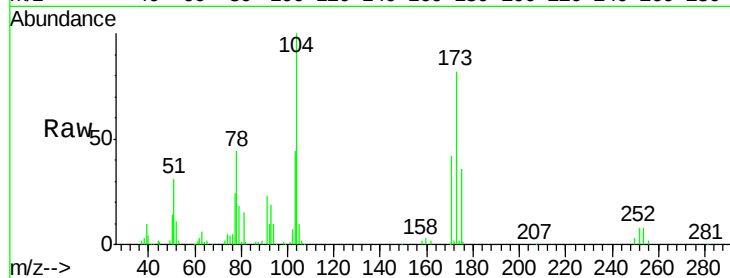
Tot Ion:173 Resp: 73962

Ion Ratio Lower Upper

173 100

175 44.2 24.5 73.5

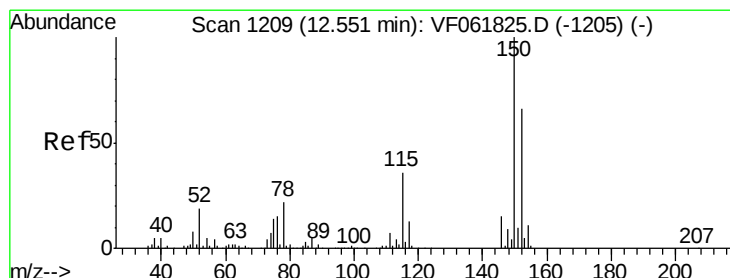
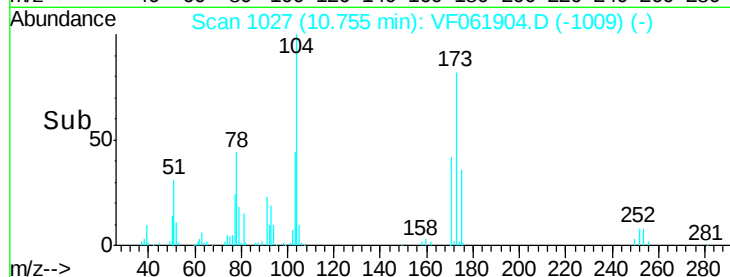
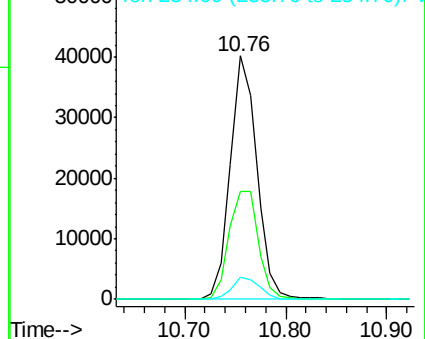
254 9.2 8.0 12.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

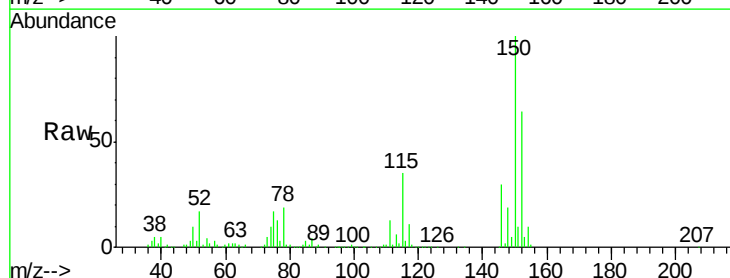
Tgt Ion:152 Resp: 212939

Ion Ratio Lower Upper

152 100

115 55.3 27.7 83.1

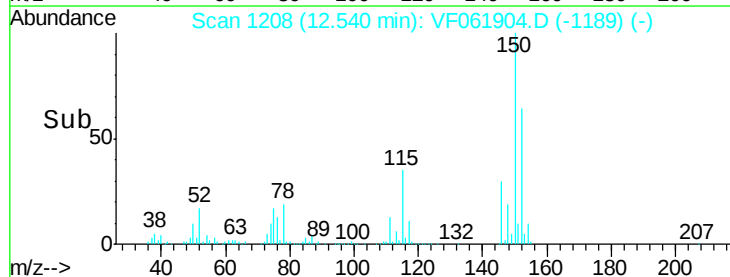
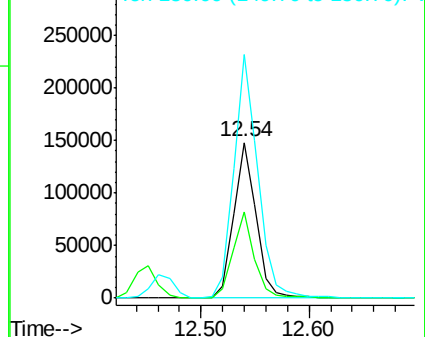
150 156.5 0.0 304.2

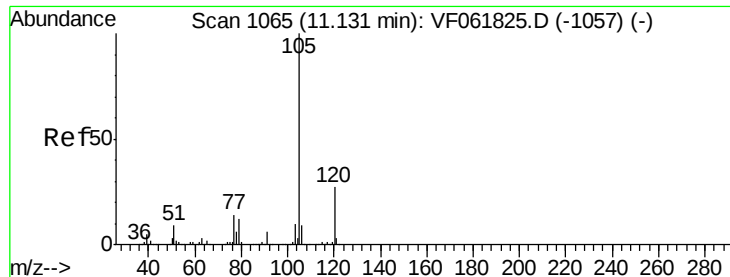


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 50.174 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

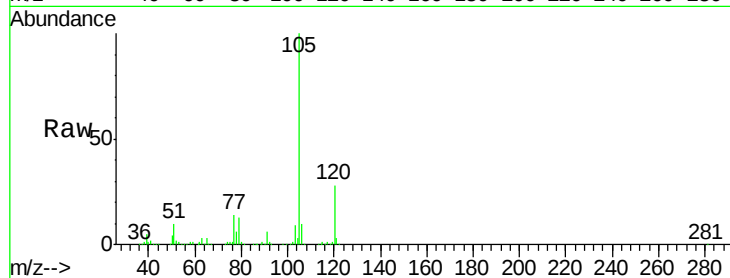
VSTDCCC050

Tot Ion:105 Resp: 735535

Ion Ratio Lower Upper

105 100

120 28.2 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.11

400000

300000

200000

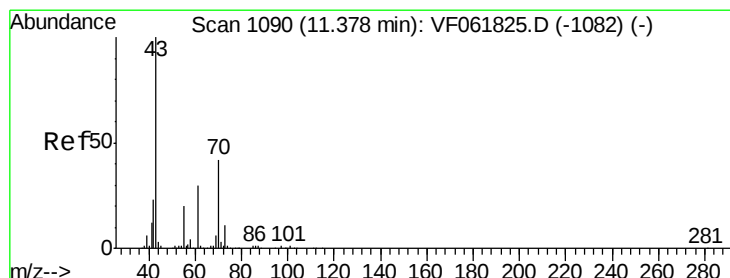
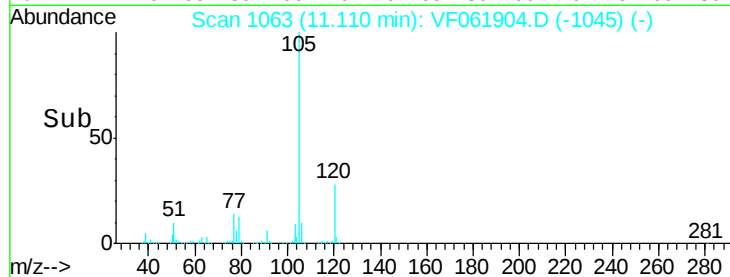
100000

0

Time-->

11.00

11.20



#74

N-ethyl acetate

Concen: 48.670 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Tgt Ion: 43 Resp: 164254

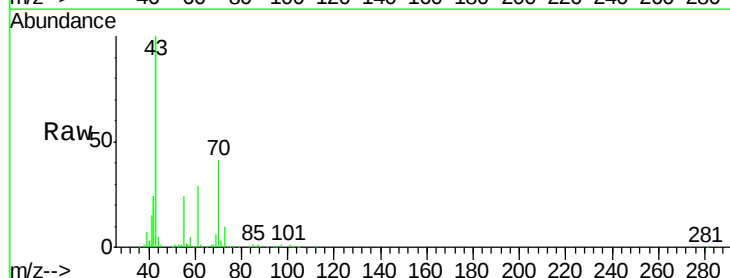
Ion Ratio Lower Upper

43 100

70 41.2 33.4 50.0

55 24.0 16.3 24.5

61 29.1 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

150000

100000

50000

0

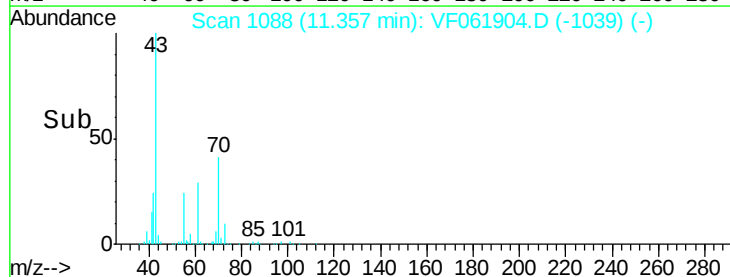
Time-->

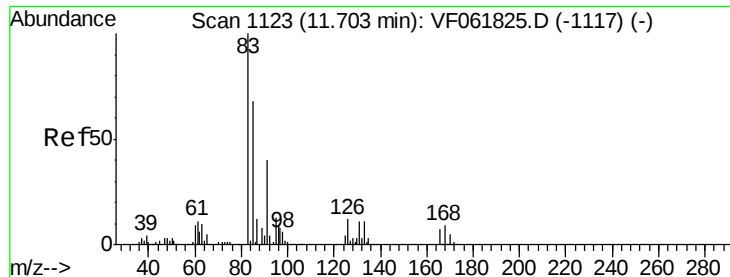
11.20

11.30

11.40

11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 48.283 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

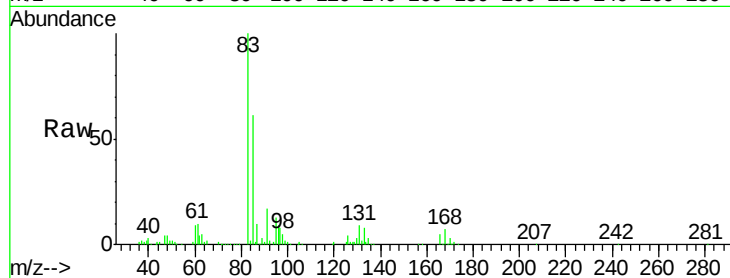
Tot Ion: 83 Resp: 117640

Ion Ratio Lower Upper

83 100

131 9.2 5.5 16.7

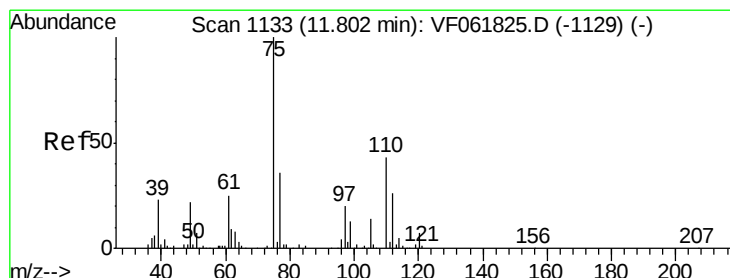
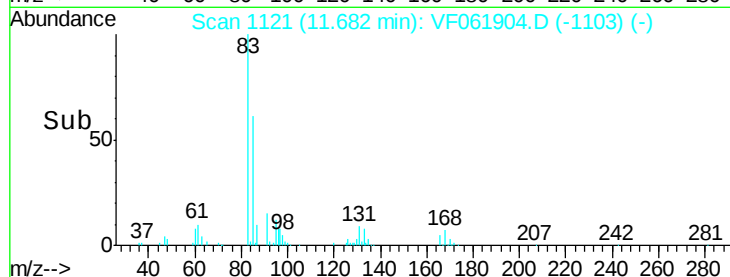
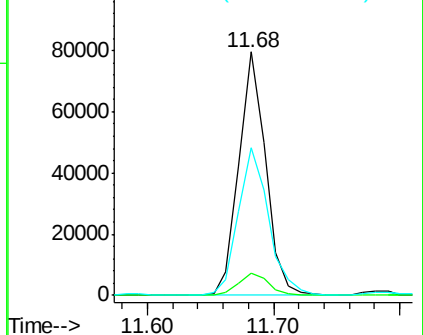
85 60.5 34.2 102.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 47.485 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF061904.D

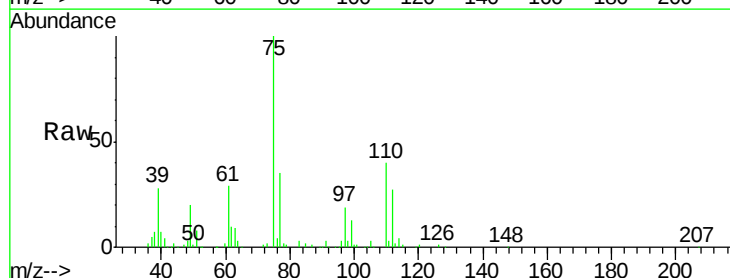
Acq: 12 Mar 2019 13:47

Tgt Ion: 75 Resp: 78963

Ion Ratio Lower Upper

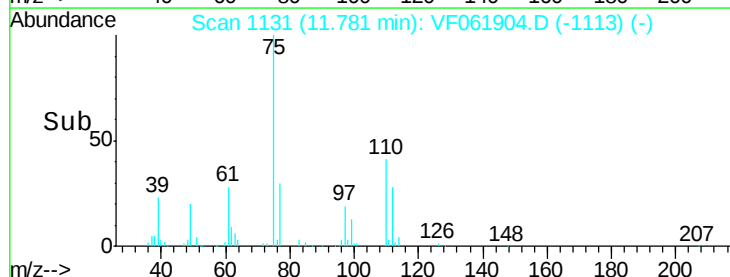
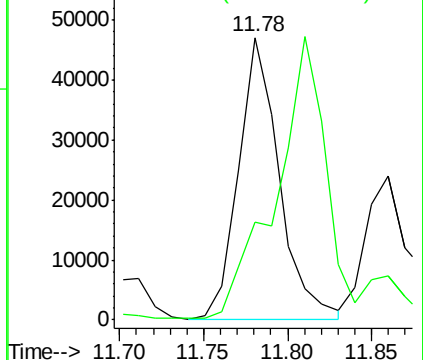
75 100

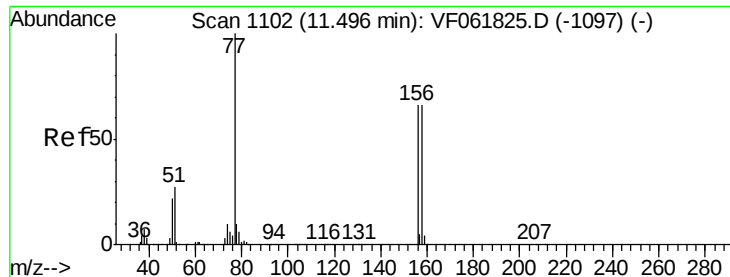
77 34.5 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 46.951 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

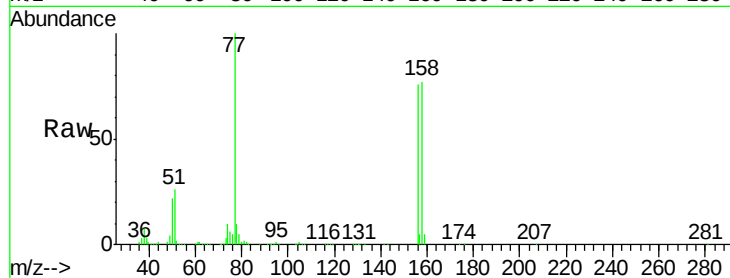
Tot Ion:156 Resp: 165646

Ion Ratio Lower Upper

156 100

77 132.4 75.7 227.1

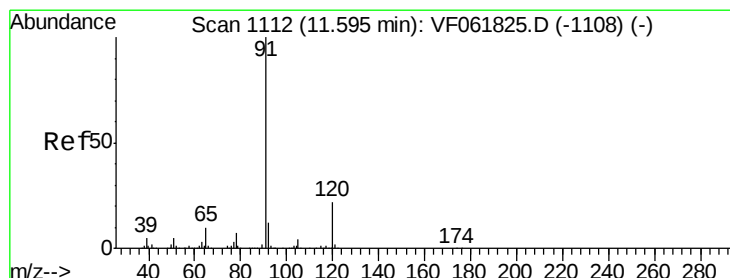
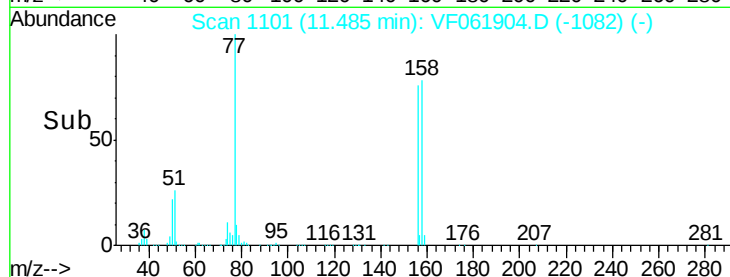
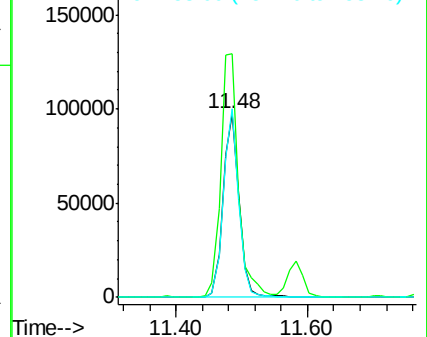
158 102.6 50.0 150.1



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 48.050 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF061904.D

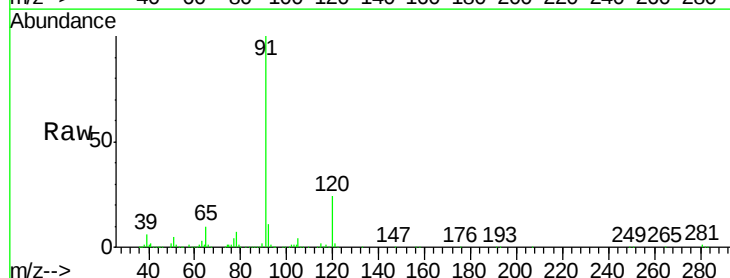
Acq: 12 Mar 2019 13:47

Tgt Ion: 91 Resp: 795468

Ion Ratio Lower Upper

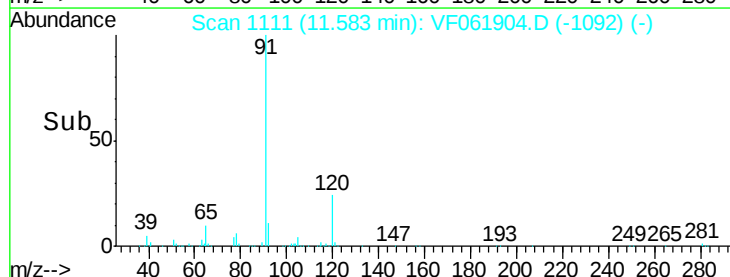
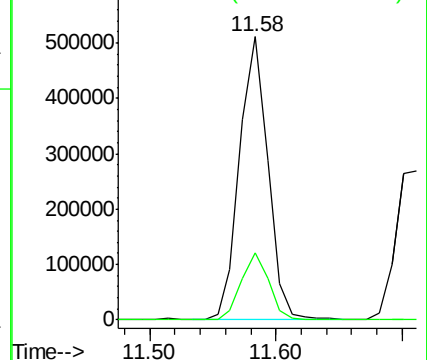
91 100

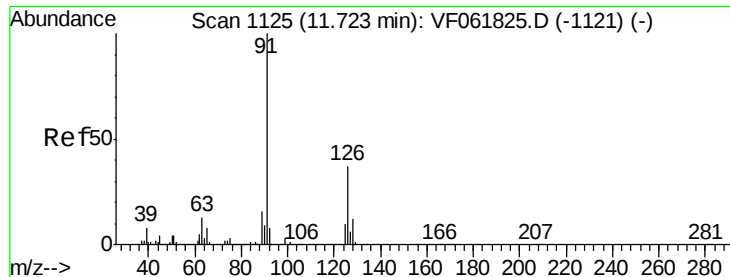
120 23.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

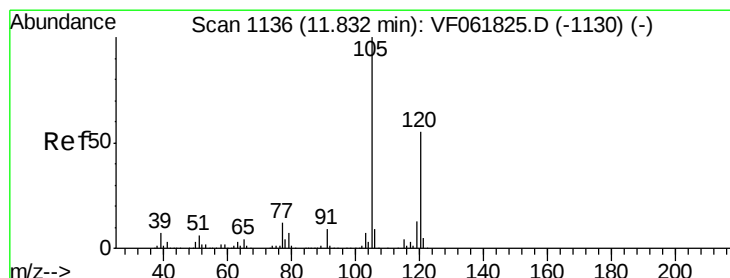
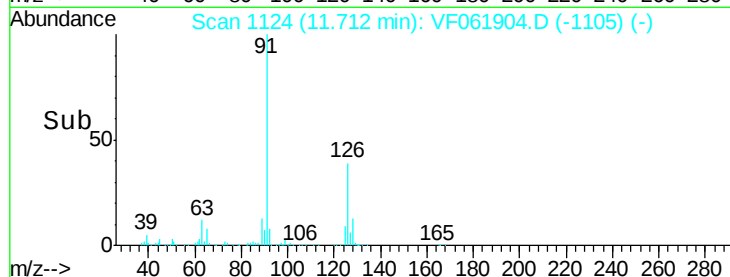
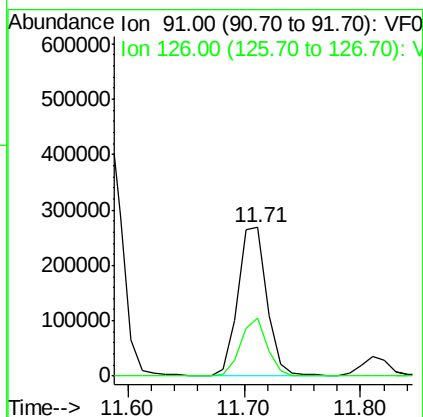
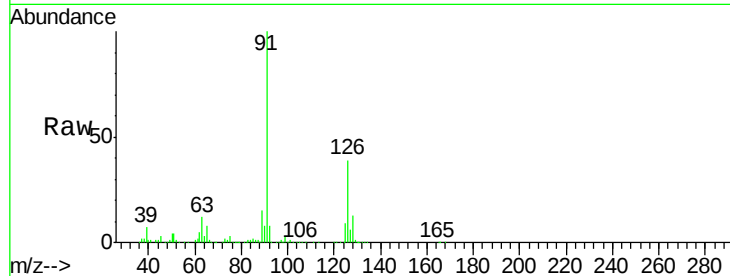




#79
 2-Chlorotoluene
 Concen: 48.695 ug/l
 RT: 11.71 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: VF061904.D
 Acq: 12 Mar 2019 13:47

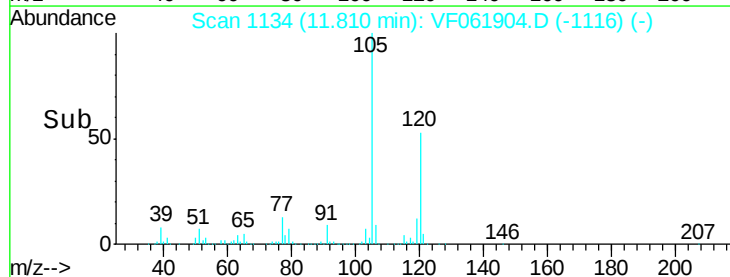
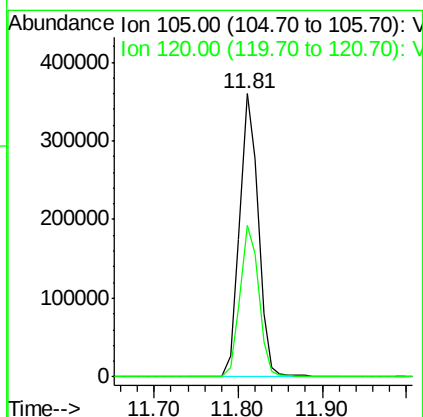
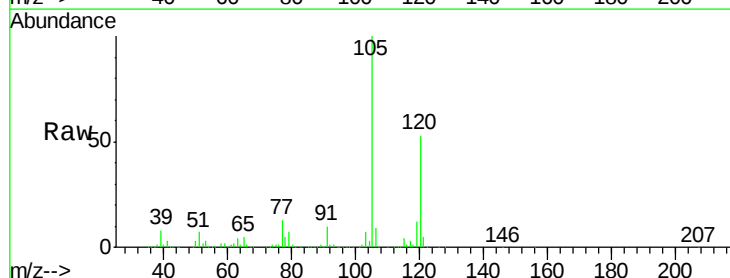
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 460886
 Ion Ratio Lower Upper
 91 100
 126 39.2 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 47.598 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.02 min
 Lab File: VF061904.D
 Acq: 12 Mar 2019 13:47

Tgt Ion: 105 Resp: 560220
 Ion Ratio Lower Upper
 105 100
 120 53.5 27.4 82.2





#81

trans-1,4-Dichloro-2-butene

Concen: 66.321 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

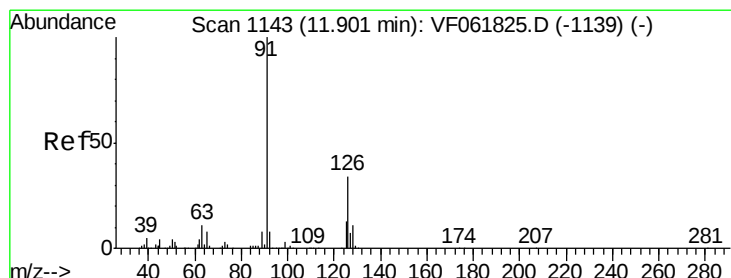
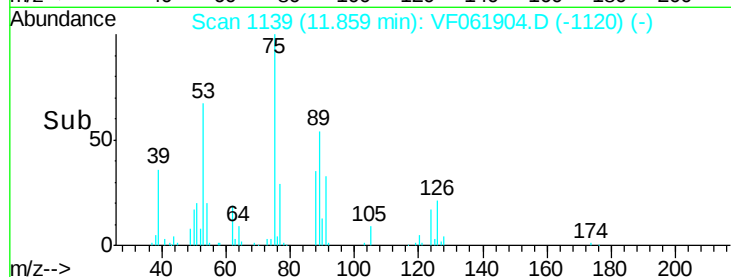
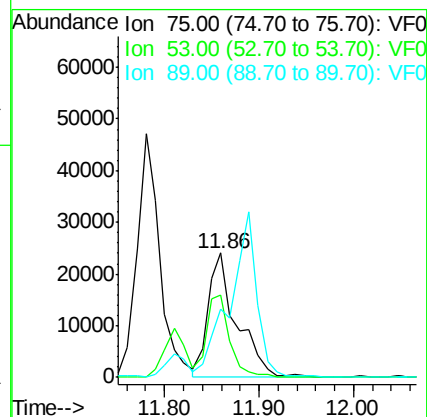
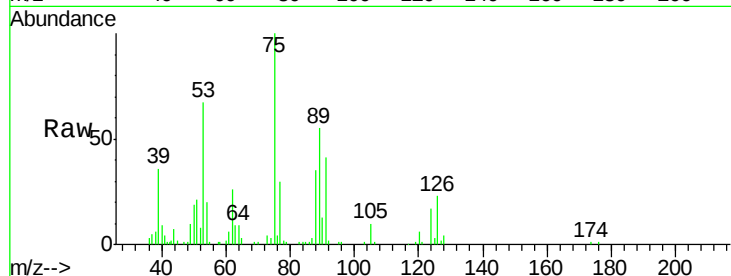
Tot Ion: 75 Resp: 50430

Ion Ratio Lower Upper

75 100

53 66.8 58.6 88.0

89 54.6 41.4 62.0



#82

4-Chlorotoluene

Concen: 48.278 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF061904.D

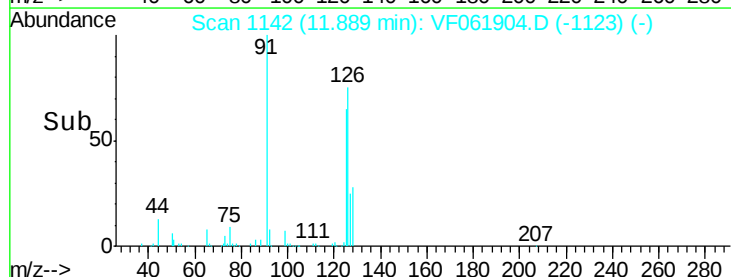
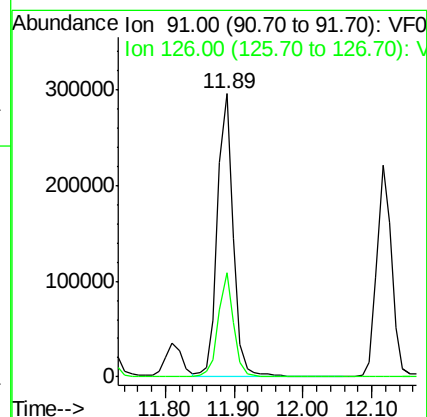
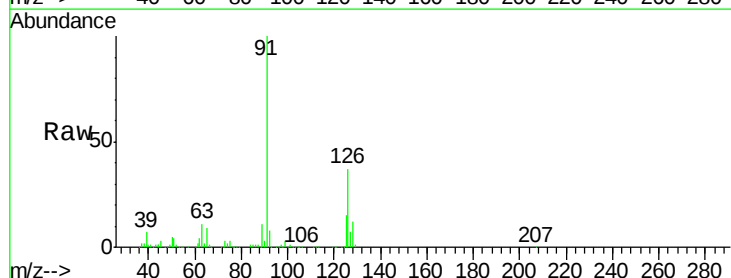
Acq: 12 Mar 2019 13:47

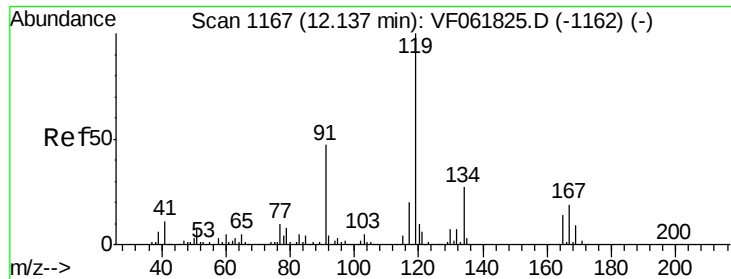
Tgt Ion: 91 Resp: 467384

Ion Ratio Lower Upper

91 100

126 36.9 17.0 50.9

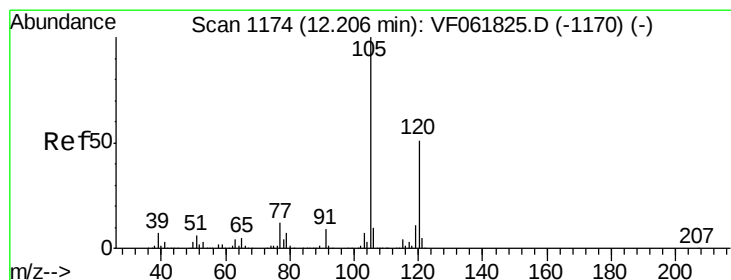
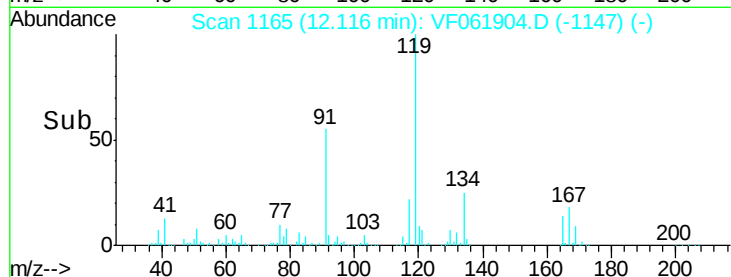
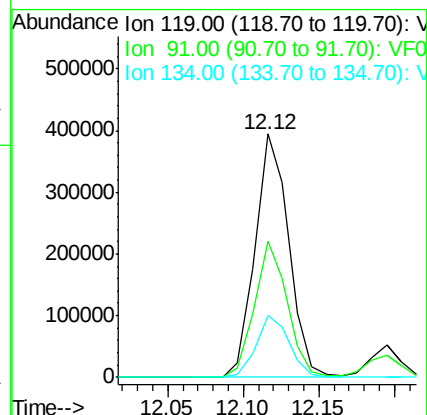
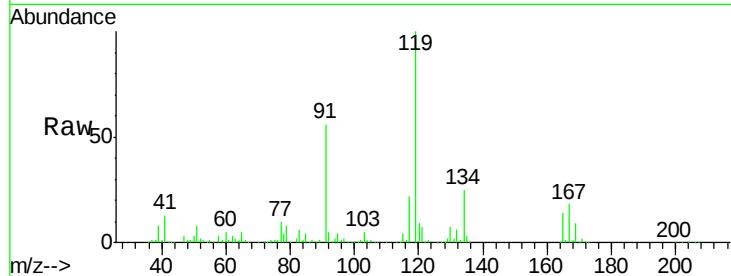




#83
tert-Butylbenzene
Concen: 49.192 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.02 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

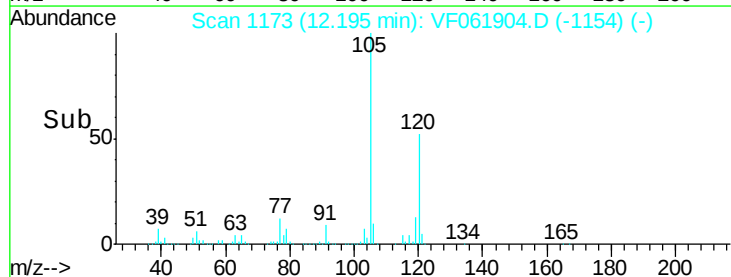
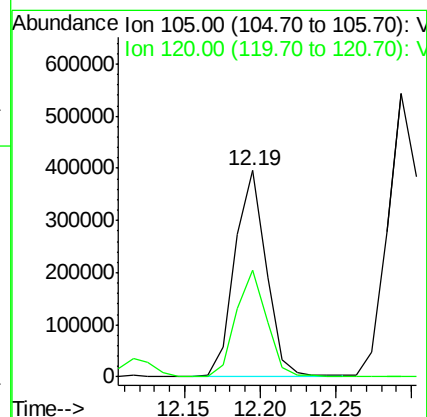
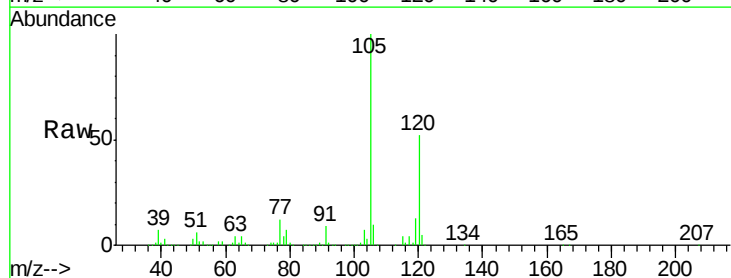
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

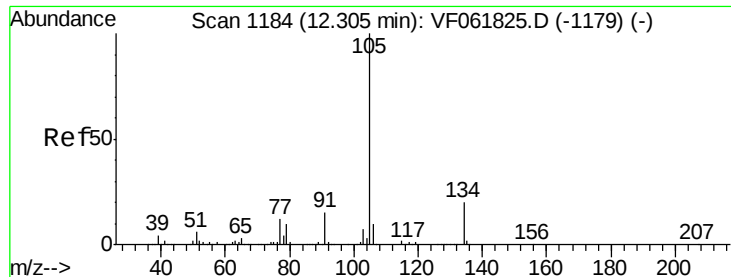
Tot Ion:119 Resp: 614796
Ion Ratio Lower Upper
119 100
91 55.9 23.5 70.5
134 25.5 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 49.562 ug/l
RT: 12.19 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Tgt Ion:105 Resp: 571851
Ion Ratio Lower Upper
105 100
120 51.9 25.8 77.4





#85

sec-Butylbenzene

Concen: 50.207 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

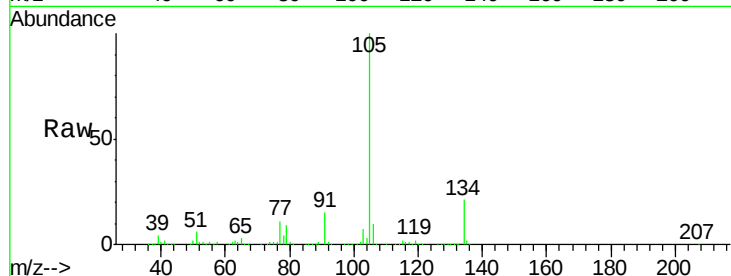
VSTDCCC050

Tot Ion:105 Resp: 816563

Ion Ratio Lower Upper

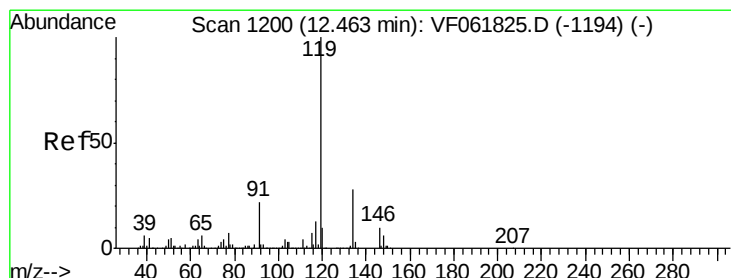
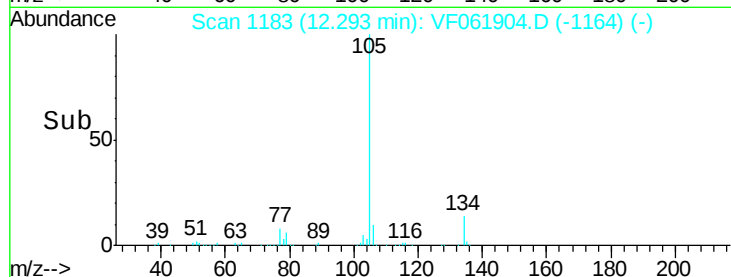
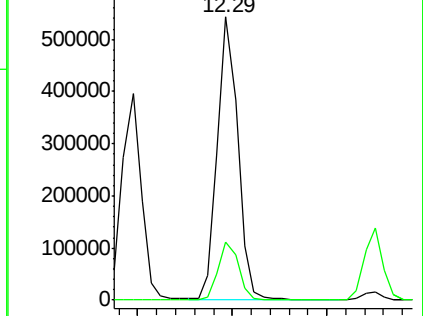
105 100

134 20.6 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.525 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

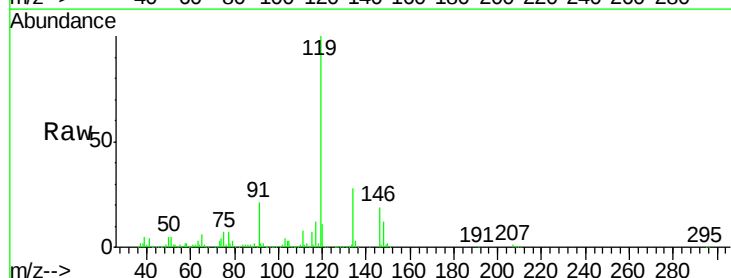
Tgt Ion:119 Resp: 698485

Ion Ratio Lower Upper

119 100

134 28.5 14.0 42.0

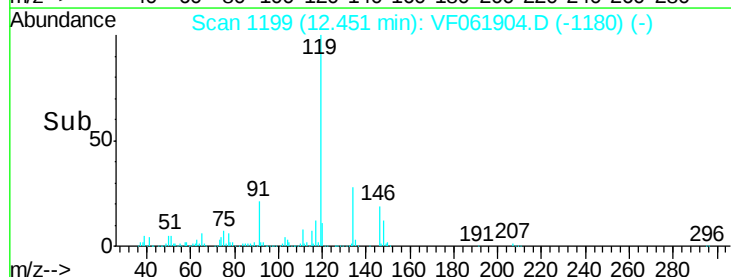
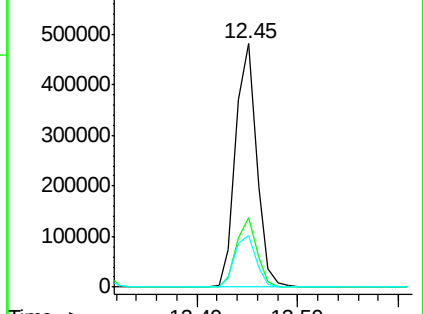
91 21.1 11.1 33.3

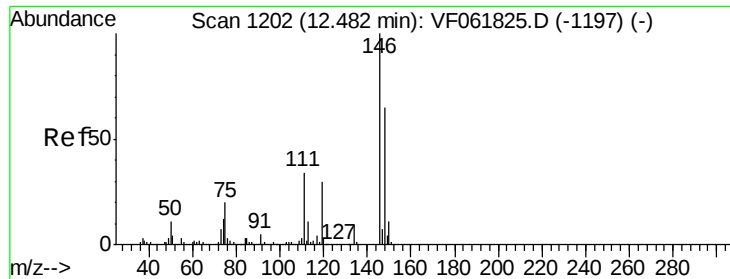


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

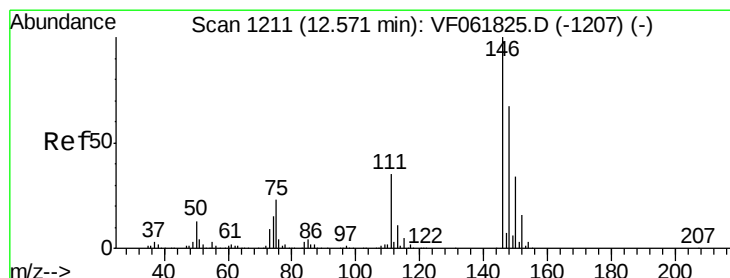
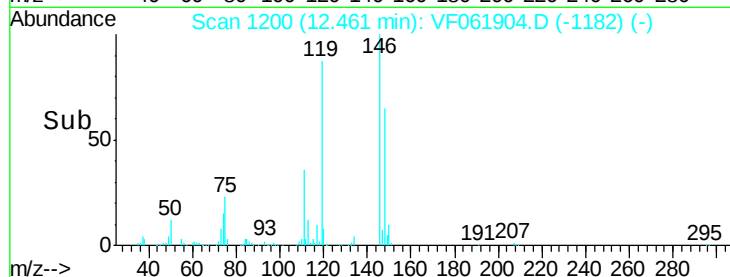
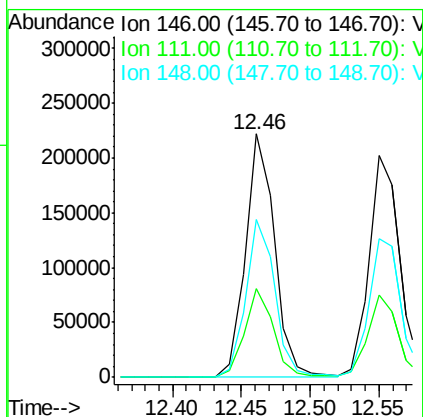
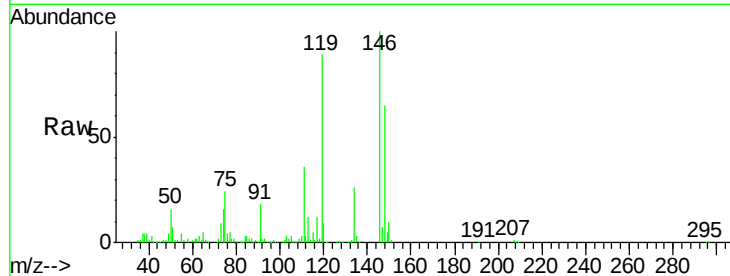




#87
 1,3-Dichlorobenzene
 Concen: 49.316 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF061904.D
 Acq: 12 Mar 2019 13:47

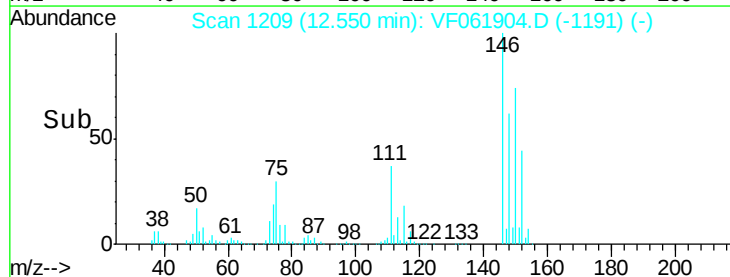
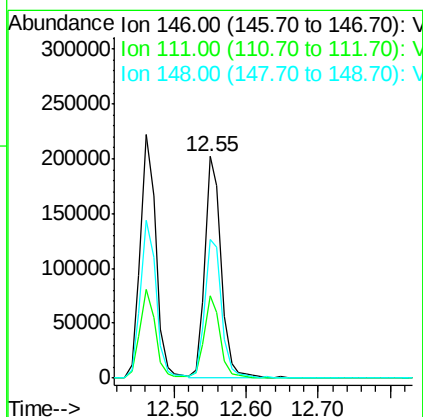
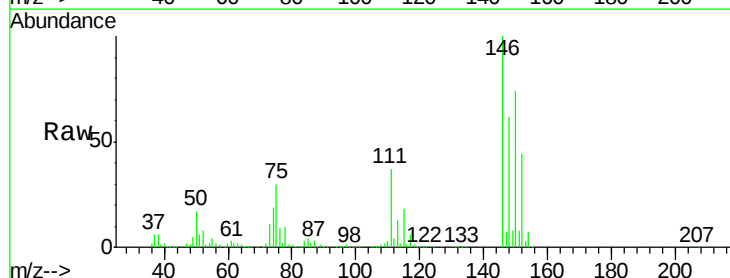
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

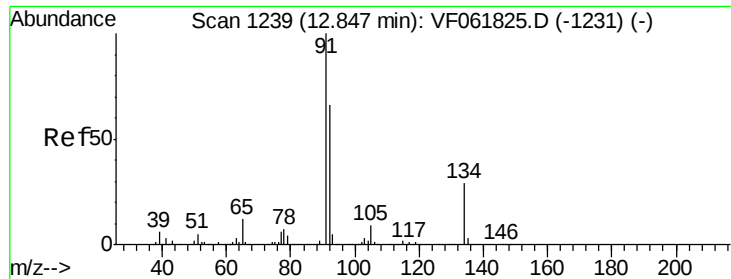
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.0	51.0
148	64.6	32.5	97.5



#88
 1,4-Dichlorobenzene
 Concen: 49.173 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF061904.D
 Acq: 12 Mar 2019 13:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	17.6	52.9
148	62.5	33.5	100.4





#89

n-Butylbenzene

Concen: 49.874 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF061904.D

Acq: 12 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

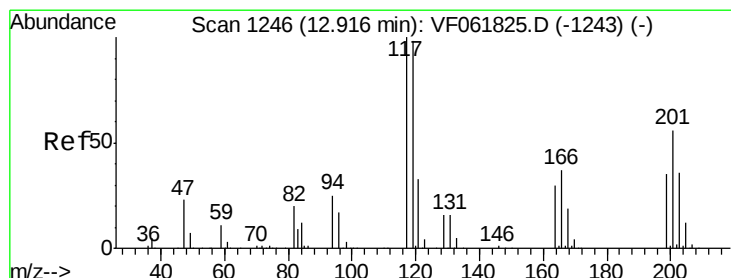
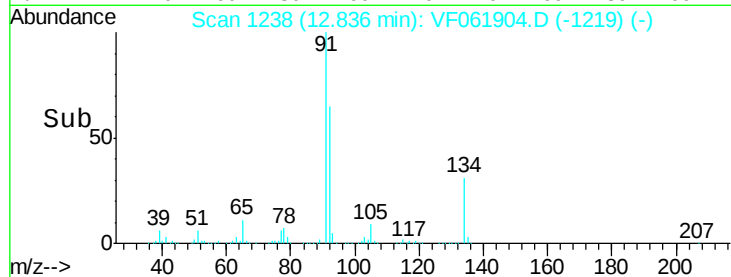
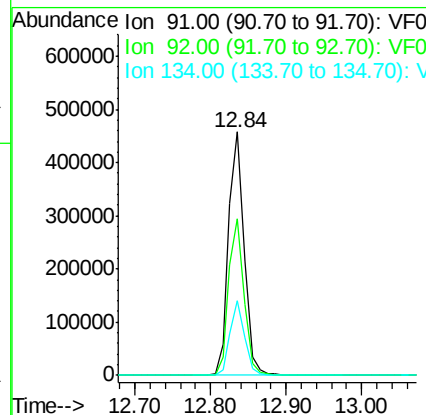
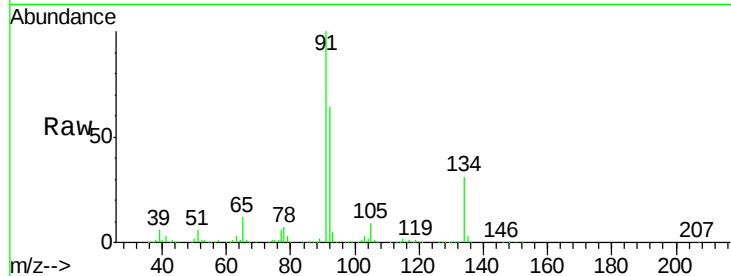
Tot Ion: 91 Resp: 658933

Ion Ratio Lower Upper

91 100

92 64.4 32.9 98.6

134 30.6 14.5 43.6



#90

Hexachloroethane

Concen: 51.341 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VF061904.D

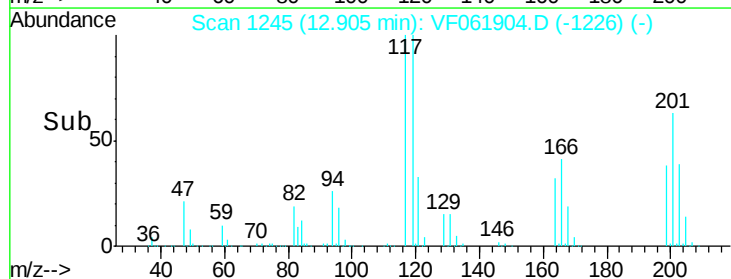
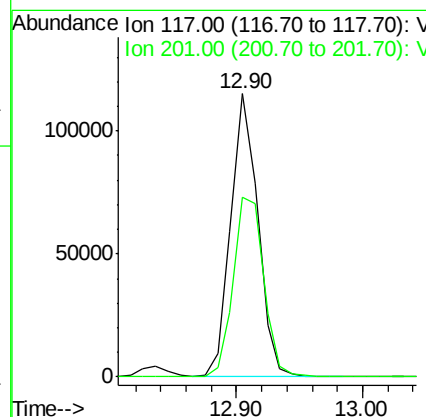
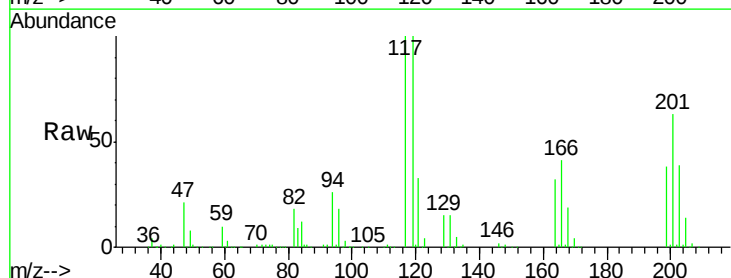
Acq: 12 Mar 2019 13:47

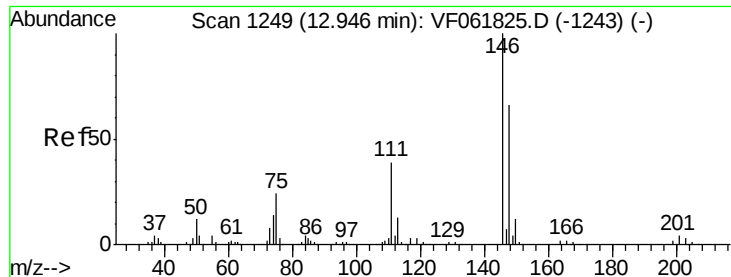
Tgt Ion: 117 Resp: 170840

Ion Ratio Lower Upper

117 100

201 63.5 27.8 83.4

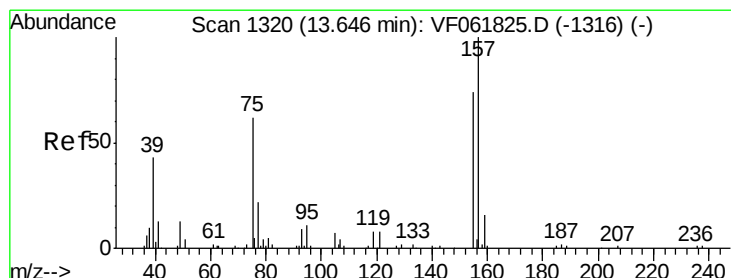
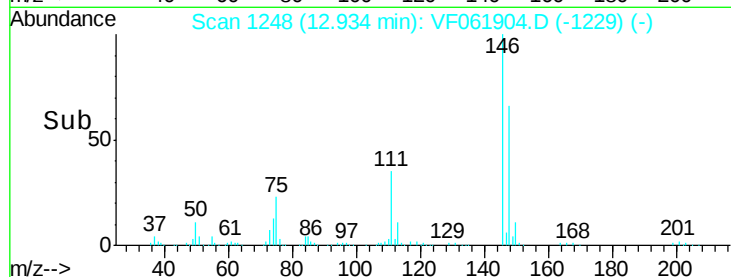
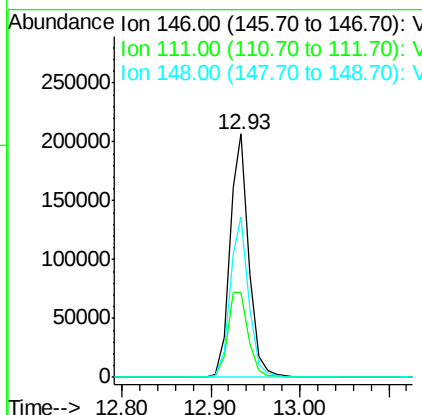
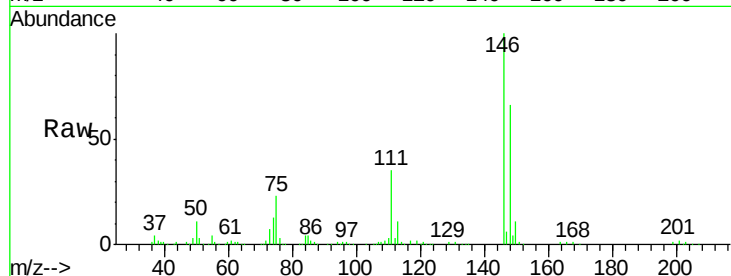




#91
 1,2-Dichlorobenzene
 Concen: 48.791 ug/l
 RT: 12.93 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061904.D
 Acq: 12 Mar 2019 13:47

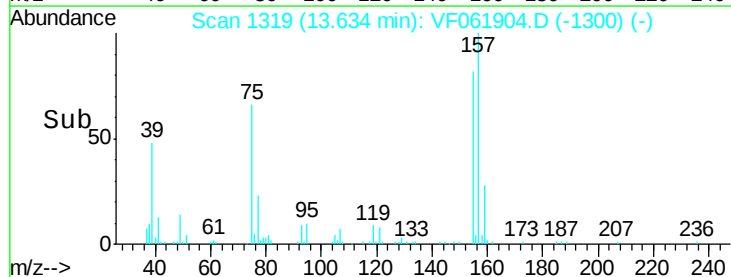
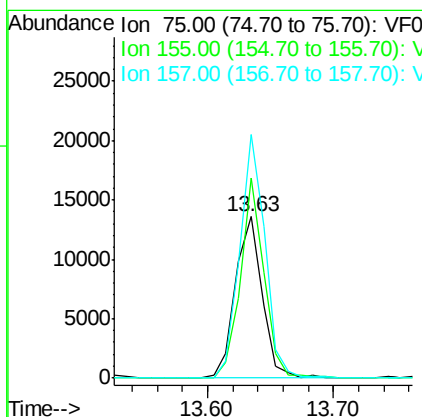
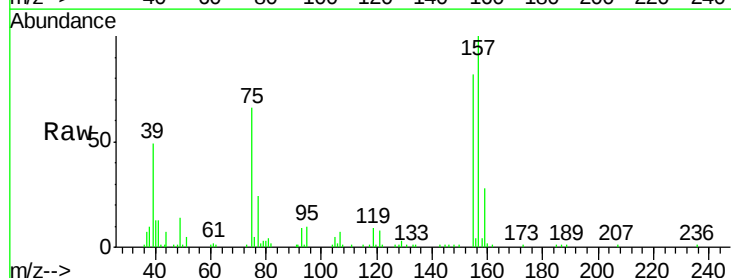
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

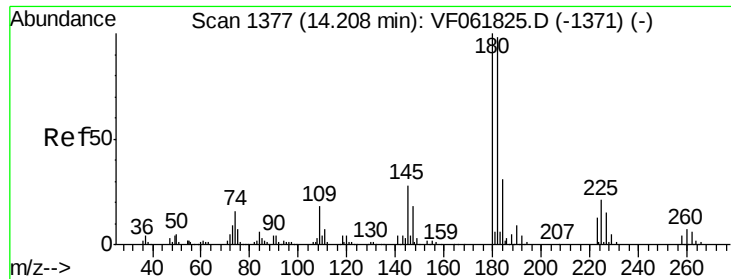
Tot Ion:146 Resp: 309681
 Ion Ratio Lower Upper
 146 100
 111 35.1 19.4 58.4
 148 65.7 33.0 98.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.138 ug/l
 RT: 13.63 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061904.D
 Acq: 12 Mar 2019 13:47

Tgt Ion: 75 Resp: 19845
 Ion Ratio Lower Upper
 75 100
 155 123.6 59.8 179.4
 157 150.7 81.2 243.4

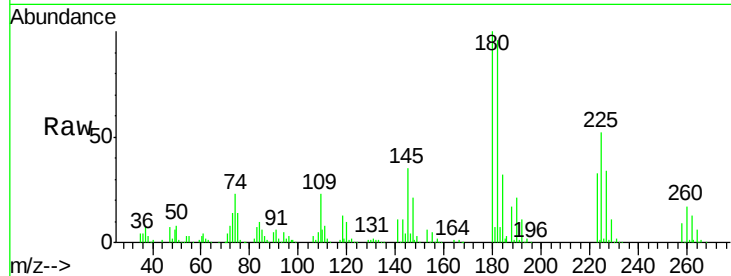




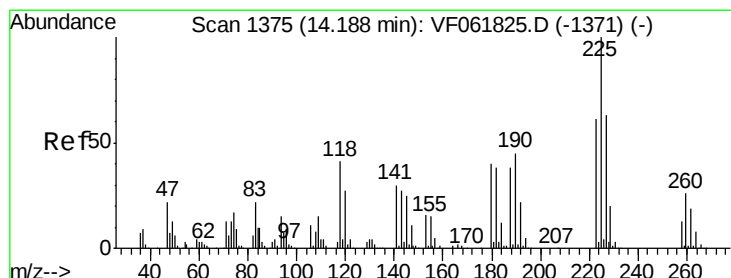
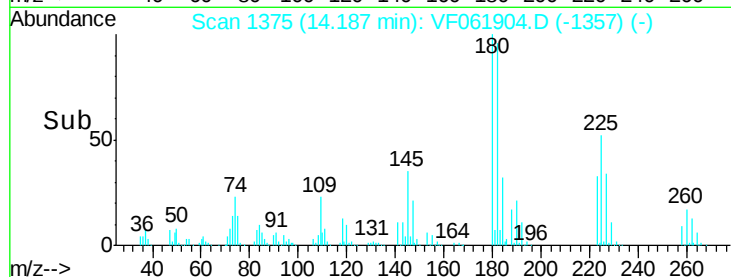
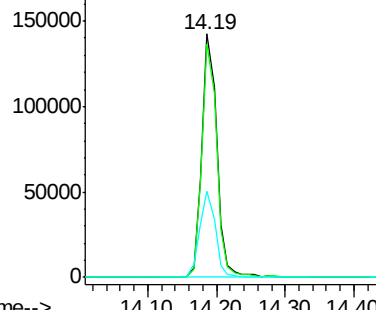
#93
 1,2,4-Trichlorobenzene
 Concen: 48.718 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061904.D
 Acq: 12 Mar 2019 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 216784
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.0 147.2
 145 35.2 14.1 42.4

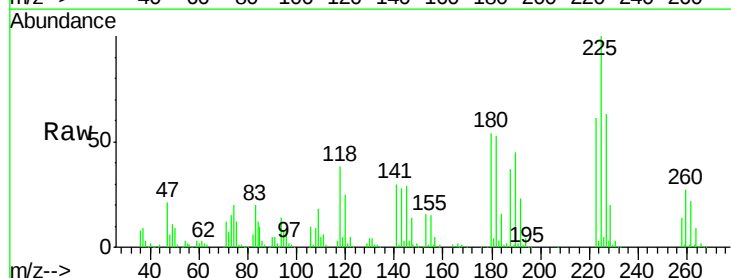


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

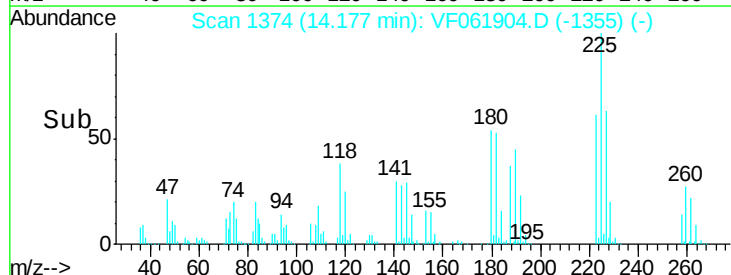
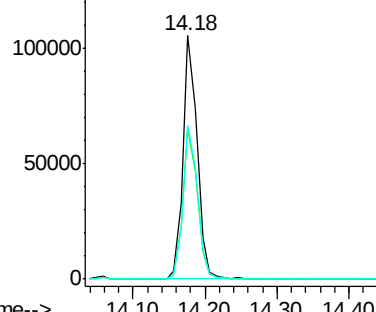


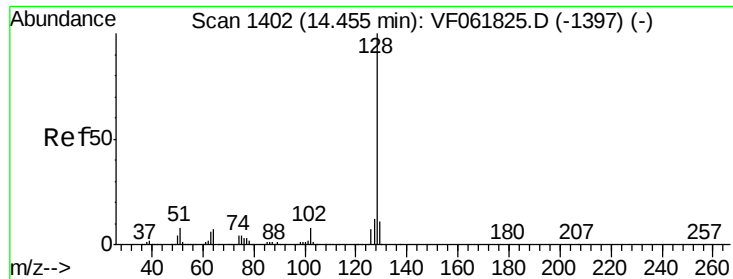
#94
 Hexachlorobutadiene
 Concen: 46.235 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061904.D
 Acq: 12 Mar 2019 13:47

Tgt Ion:225 Resp: 142426
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.3 90.9
 227 63.1 31.3 93.8



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

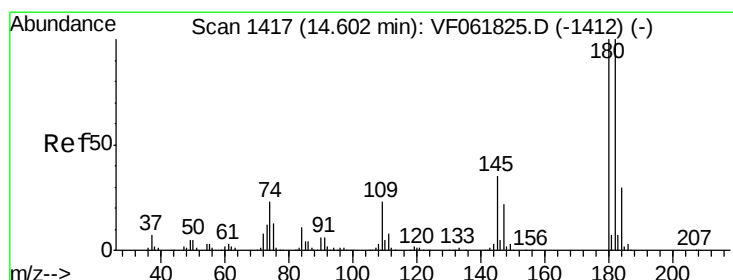
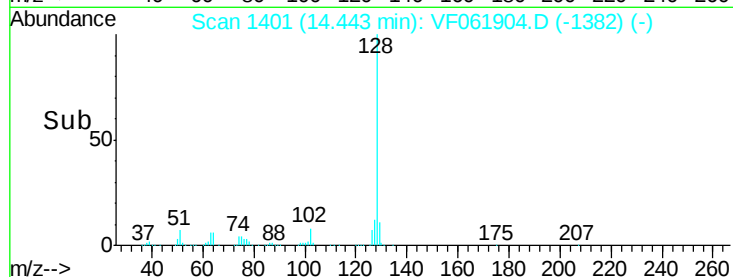
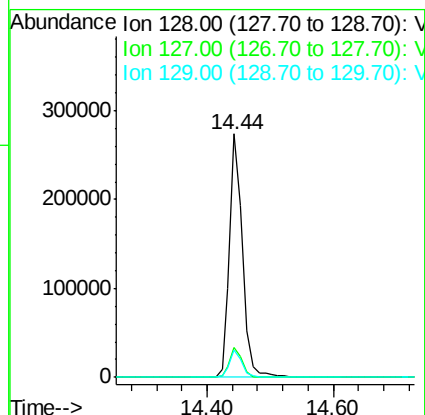
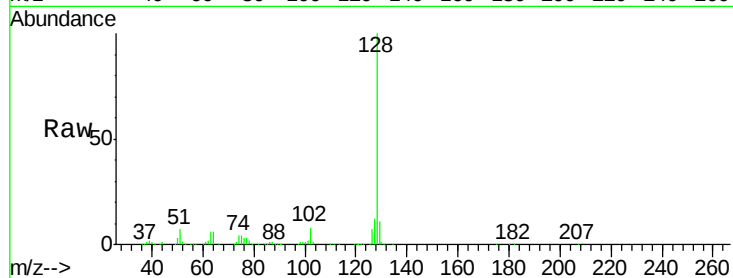




#95
Naphthalene
Concen: 49.628 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 393318
Ion Ratio Lower Upper
128 100
127 12.3 9.3 13.9
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.239 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF061904.D
Acq: 12 Mar 2019 13:47

Tgt Ion:180 Resp: 206406
Ion Ratio Lower Upper
180 100
182 92.4 50.2 150.7
145 31.9 17.5 52.5

