

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031419\
 Data File : VF061937.D
 Acq On : 14 Mar 2019 14:11
 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 15 01:15:47 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	4.86	168	302490	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	450613	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	379247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	199816	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	113391	51.47	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.94%	
35) Dibromofluoromethane	4.10	113	164721	52.38	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.76%	
50) Toluene-d8	7.54	98	485332	51.92	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.40	95	172169	47.02	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	166037	44.710	ug/l	93
3) Chloromethane	1.10	50	181948	50.554	ug/l	95
4) Vinyl Chloride	1.13	62	177079	51.829	ug/l	98
5) Bromomethane	1.31	94	119884	51.487	ug/l	97
6) Chloroethane	1.39	64	85837	52.853	ug/l	100
7) Trichlorofluoromethane	1.47	101	215046	51.535	ug/l	97
8) Diethyl Ether	1.63	74	48246	50.844	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	149863	52.886	ug/l	99
10) Methyl Iodide	1.91	142	205262	38.065	ug/l	96
11) Tert butyl alcohol	2.56	59	30829	246.567	ug/l	98
12) 1,1-Dichloroethene	1.79	96	133943	51.775	ug/l	91
13) Acrolein	2.00	56	41702	263.219	ug/l	98
14) Allyl chloride	2.09	41	169314	59.408	ug/l	96
15) Acrylonitrile	2.94	53	103759	260.611	ug/l	97
16) Acetone	2.23	43	140169	303.766	ug/l	99
17) Carbon Disulfide	1.82	76	293450	36.441	ug/l	98
18) Methyl Acetate	2.34	43	61059	66.494	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	227125	51.898	ug/l	96
20) Methylene Chloride	2.18	84	50879	16.301	ug/l	97
21) trans-1,2-Dichloroethene	2.31	96	138495	56.881	ug/l	91
22) Diisopropyl ether	2.79	45	400356	54.002	ug/l	97
23) Vinyl Acetate	3.17	43	891281	269.111	ug/l	100
24) 1,1-Dichloroethane	2.87	63	229229	51.730	ug/l	99
25) 2-Butanone	4.33	43	252798	269.333	ug/l #	90
26) 2,2-Dichloropropane	3.59	77	107623	54.406	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	176422	52.300	ug/l	99
28) Bromochloromethane	3.71	49	98821	51.160	ug/l #	94
29) Tetrahydrofuran	4.06	42	100963	249.419	ug/l	98
30) Chloroform	3.84	83	258897	51.151	ug/l	95
31) Cyclohexane	3.69	56	146408	31.545	ug/l	99
32) 1,1,1-Trichloroethane	4.08	97	180678	57.913	ug/l	97
36) 1,1-Dichloropropene	4.27	75	212001	49.806	ug/l	98
37) Ethyl Acetate	4.10	43	84479	47.284	ug/l	100
38) Carbon Tetrachloride	3.98	117	150555	49.965	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031419\
 Data File : VF061937.D
 Acq On : 14 Mar 2019 14:11
 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 15 01:15:47 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)
39) Methylcyclohexane	5.45	83	255263	50.772	ug/l	96
40) Benzene	4.62	78	574314	51.618	ug/l	98
41) Methacrylonitrile	4.73	41	51033	52.135	ug/l	97
42) 1,2-Dichloroethane	4.93	62	140149	50.545	ug/l	98
43) Isopropyl Acetate	6.95	43	107501	48.813	ug/l #	96
44) Trichloroethene	5.49	130	174032	50.333	ug/l	100
45) 1,2-Dichloropropane	6.22	63	135406	51.180	ug/l	95
46) Dibromomethane	6.07	93	84300	50.627	ug/l	96
47) Bromodichloromethane	6.38	83	188750	51.310	ug/l	96
48) Methyl methacrylate	6.71	41	70690	50.718	ug/l	90
49) 1,4-Dioxane	6.69	88	13037	1023.215	ug/l #	81
51) 4-Methyl-2-Pentanone	8.25	43	393079	258.250	ug/l	96
52) Toluene	7.61	92	320091	48.632	ug/l	98
53) t-1,3-Dichloropropene	8.27	75	157052	51.721	ug/l	95
54) cis-1,3-Dichloropropene	7.29	75	210125	50.169	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	94245	49.696	ug/l	97
56) Ethyl methacrylate	8.61	69	103599	48.473	ug/l	99
57) 1,3-Dichloropropane	8.84	76	157996	50.944	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.29	63	81936	242.346	ug/l	95
59) 2-Hexanone	9.48	43	288342	262.593	ug/l	100
60) Dibromochloromethane	8.71	129	130537	48.295	ug/l	96
61) 1,2-Dibromoethane	8.98	107	102848	49.317	ug/l	98
64) Tetrachloroethene	8.14	164	146502	50.273	ug/l	95
65) Chlorobenzene	9.79	112	369675	50.736	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	148148	52.479	ug/l	97
67) Ethyl Benzene	9.89	91	622123	51.515	ug/l	98
68) m/p-Xylenes	10.13	106	464207	100.340	ug/l	98
69) o-Xylene	10.71	106	265187	53.232	ug/l	99
70) Styrene	10.78	104	357976	51.060	ug/l	98
71) Bromoform	10.77	173	73664	49.373	ug/l	95
73) Isopropylbenzene	11.12	105	701719	51.011	ug/l	98
74) N-amyl acetate	11.37	43	171264	54.079	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	118095	51.653	ug/l	93
76) 1,2,3-Trichloropropane	11.78	75	81509	52.235	ug/l	89
77) Bromobenzene	11.49	156	164680	49.742	ug/l	96
78) n-propylbenzene	11.58	91	791123	50.926	ug/l	99
79) 2-Chlorotoluene	11.71	91	446890	50.317	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	578600	52.388	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	51357	71.975	ug/l	90
82) 4-Chlorotoluene	11.89	91	457988	50.415	ug/l	97
83) tert-Butylbenzene	12.13	119	626661	53.435	ug/l	94
84) 1,2,4-Trimethylbenzene	12.20	105	555481	51.305	ug/l	99
85) sec-Butylbenzene	12.29	105	822593	53.900	ug/l	99
86) p-Isopropyltoluene	12.45	119	696202	53.667	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	319402	50.809	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	312734	51.572	ug/l	98
89) n-Butylbenzene	12.84	91	656919	52.987	ug/l	99
90) Hexachloroethane	12.91	117	162432	52.020	ug/l	97
91) 1,2-Dichlorobenzene	12.94	146	294652	49.472	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	18773	47.489	ug/l	89

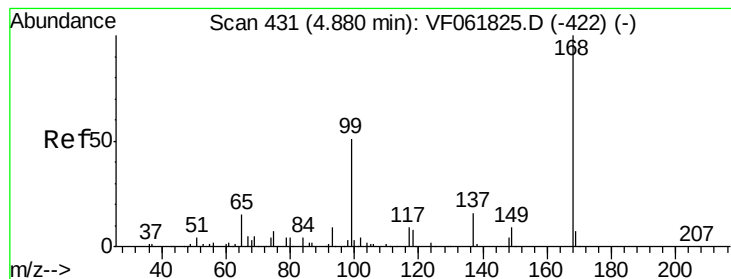
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031419\
Data File : VF061937.D
Acq On : 14 Mar 2019 14:11
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Quant Time: Mar 15 01:15:47 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)
93) 1,2,4-Trichlorobenzene	14.19	180	205109	49.122	ug/l	94
94) Hexachlorobutadiene	14.18	225	135923	47.022	ug/l	97
95) Naphthalene	14.44	128	401957	54.049	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	204271	52.985	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

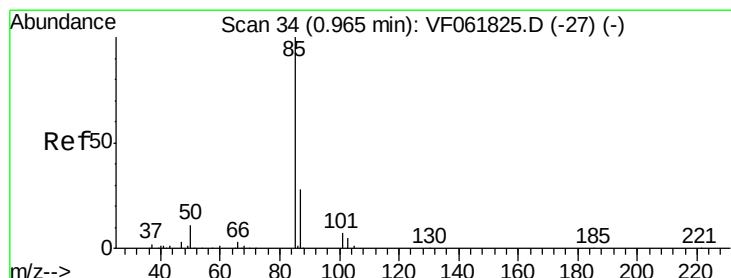
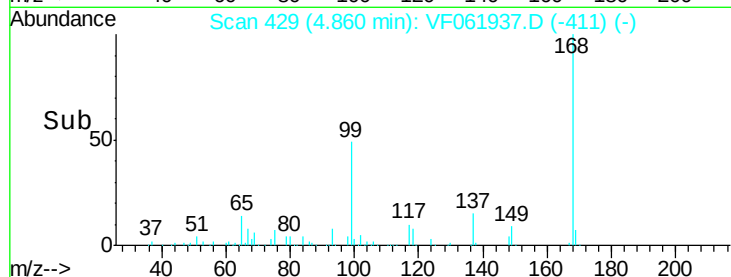
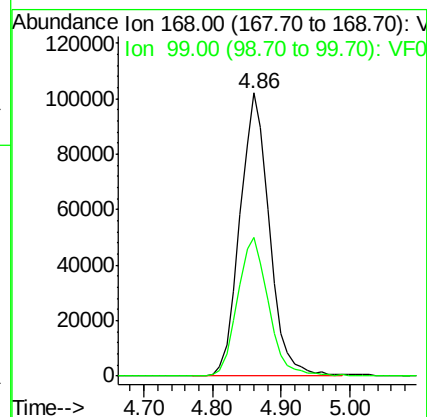
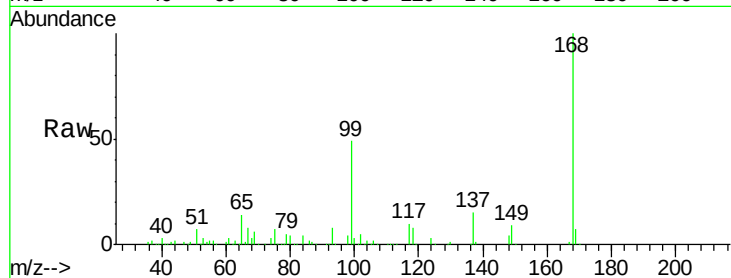
VSTDCCC050

Tot Ion:168 Resp: 302490

Ion Ratio Lower Upper

168 100

99 49.2 40.8 61.2



#2

Dichlorodifluoromethane

Concen: 44.710 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061937.D

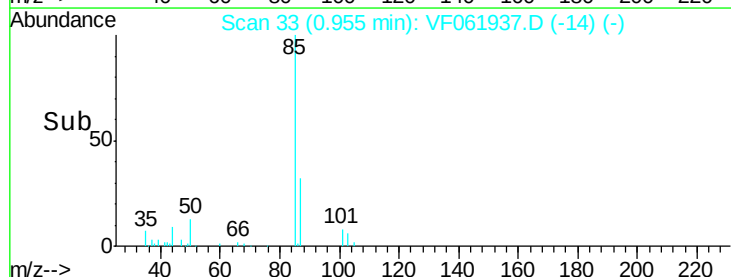
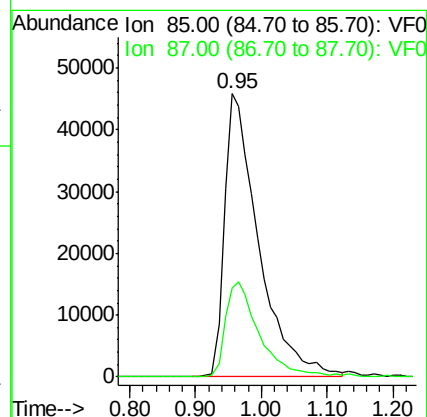
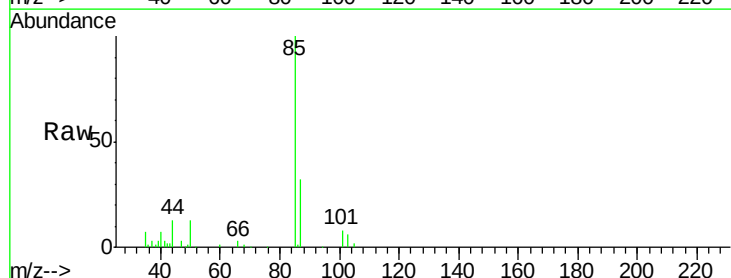
Acq: 14 Mar 2019 14:11

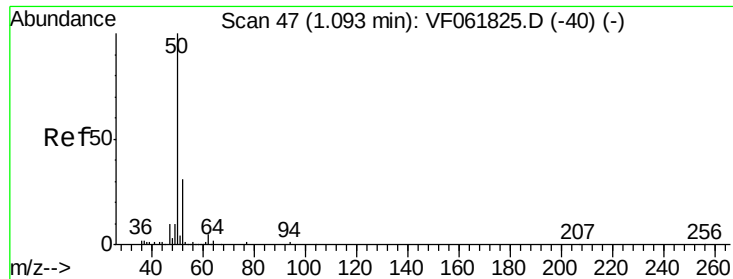
Tgt Ion: 85 Resp: 166037

Ion Ratio Lower Upper

85 100

87 31.6 14.1 42.2

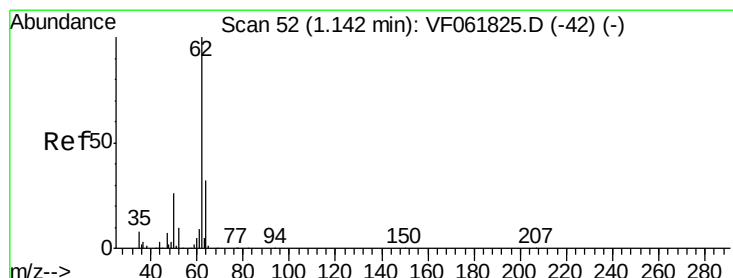
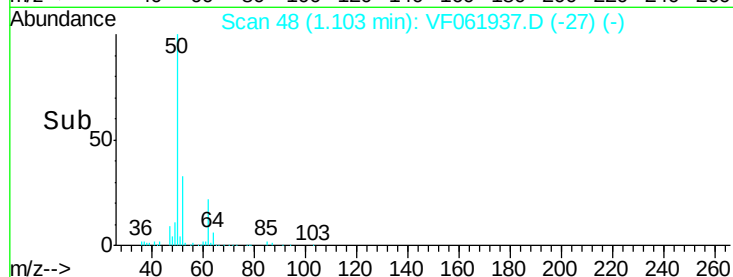
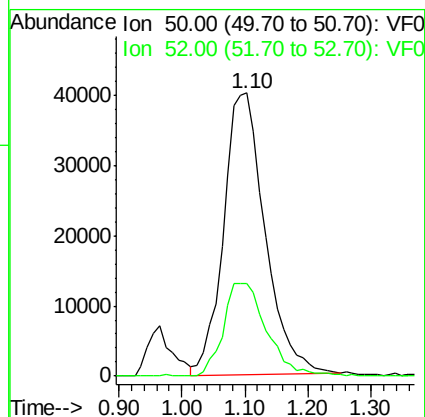
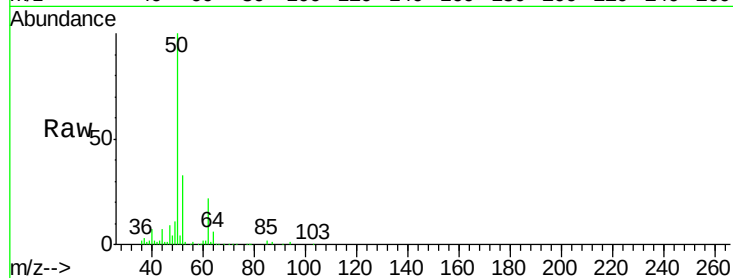




#3
Chloromethane
Concen: 50.554 ug/l
RT: 1.10 min Scan# 48
Delta R.T. 0.01 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

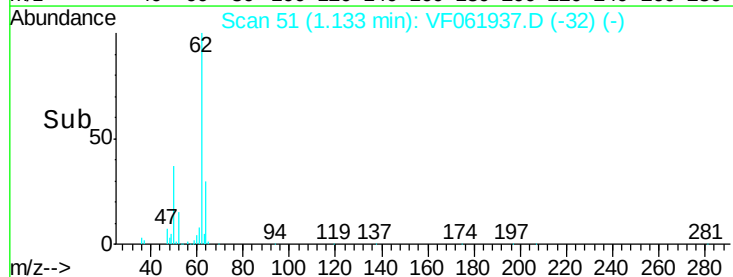
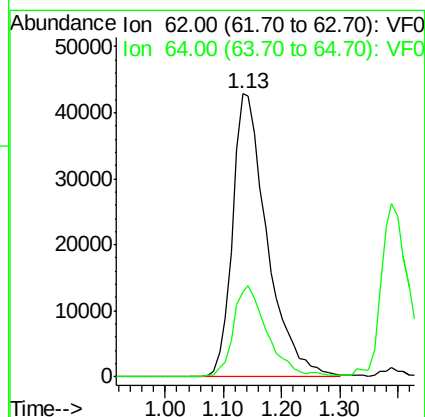
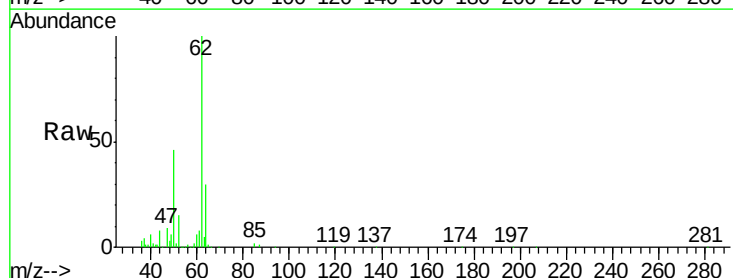
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

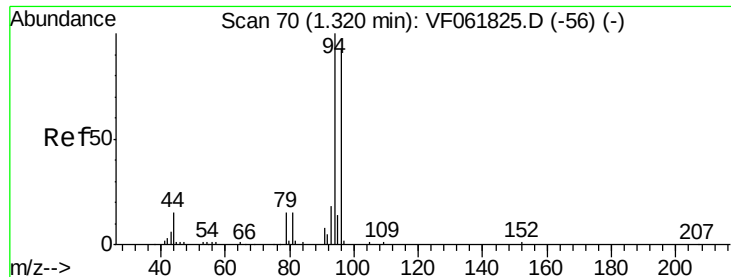
Tot Ion: 50 Resp: 181948
Ion Ratio Lower Upper
50 100
52 32.6 23.8 35.8



#4
Vinyl Chloride
Concen: 51.829 ug/l
RT: 1.13 min Scan# 51
Delta R.T. -0.01 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

Tgt Ion: 62 Resp: 177079
Ion Ratio Lower Upper
62 100
64 30.2 25.2 37.8





#5

Bromomethane

Concen: 51.487 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

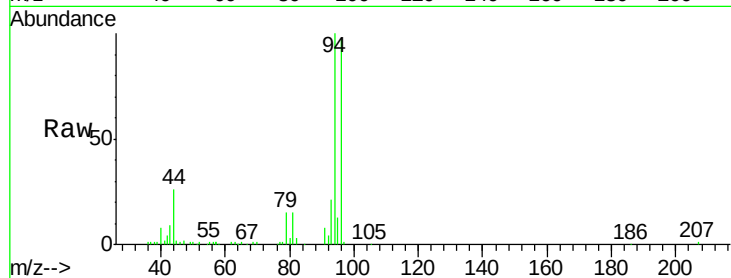
VSTDCCC050

Tot Ion: 94 Resp: 119884

Ion Ratio Lower Upper

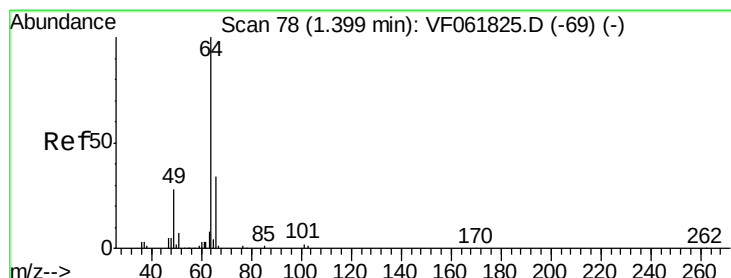
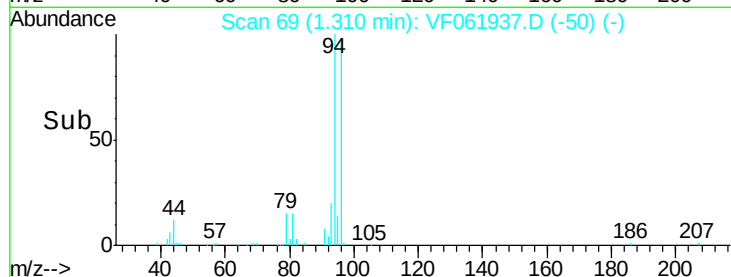
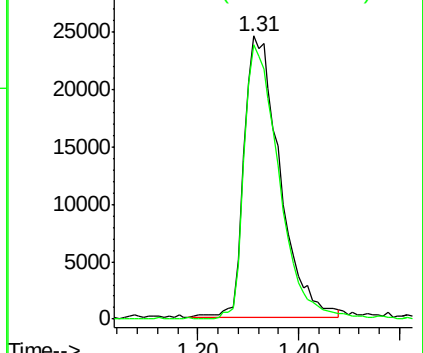
94 100

96 96.8 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 52.853 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061937.D

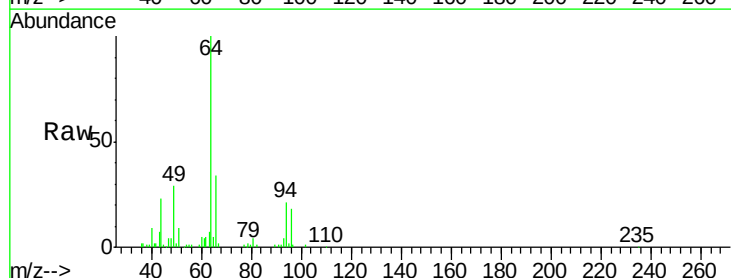
Acq: 14 Mar 2019 14:11

Tgt Ion: 64 Resp: 85837

Ion Ratio Lower Upper

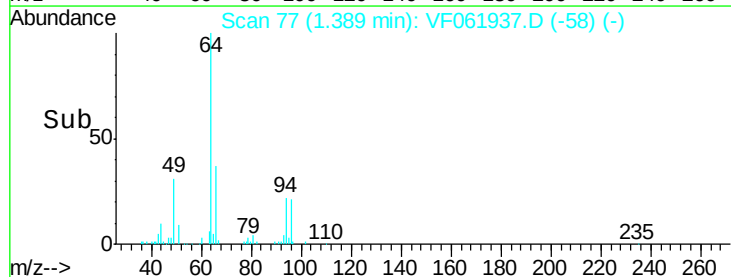
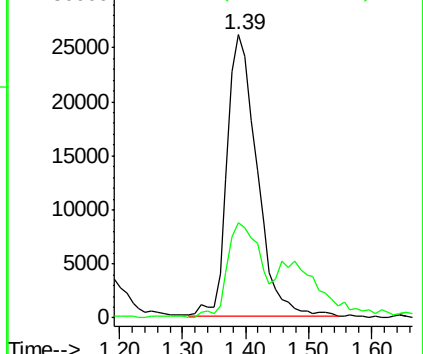
64 100

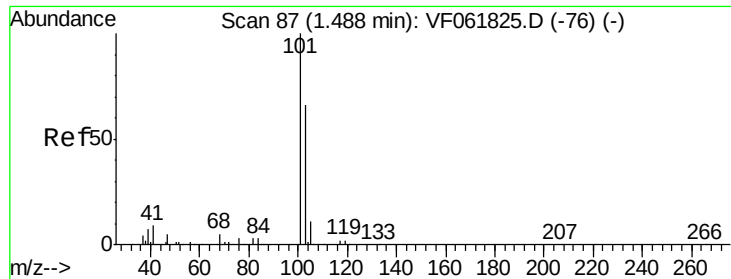
66 33.8 27.0 40.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 51.535 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

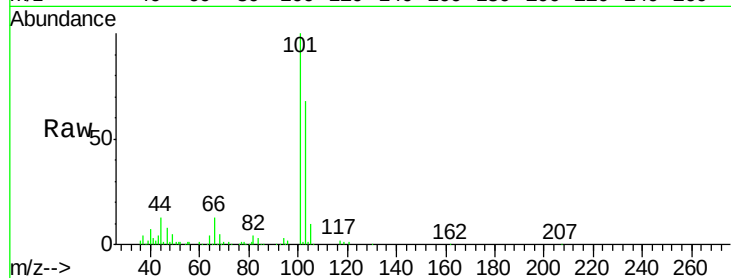
VSTDCCC050

Tot Ion:101 Resp: 215046

Ion Ratio Lower Upper

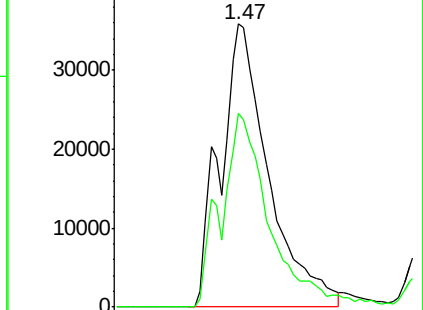
101 100

103 68.3 52.8 79.2

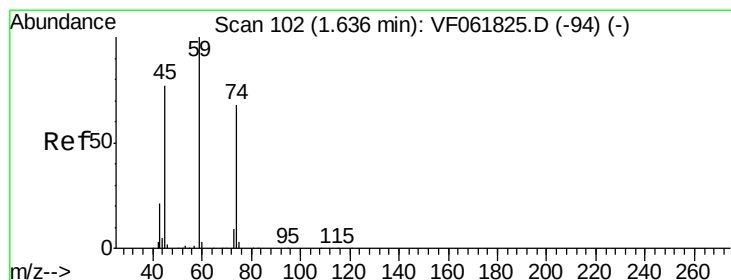
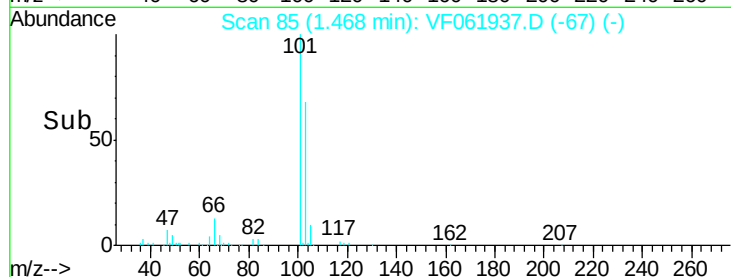


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



Time--> 1.30 1.40 1.50 1.60 1.70



#8

Diethyl Ether

Concen: 50.844 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061937.D

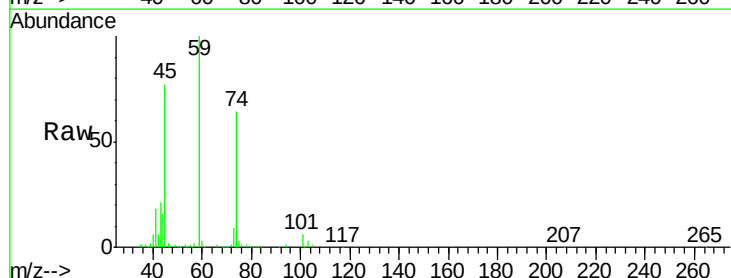
Acq: 14 Mar 2019 14:11

Tgt Ion: 74 Resp: 48246

Ion Ratio Lower Upper

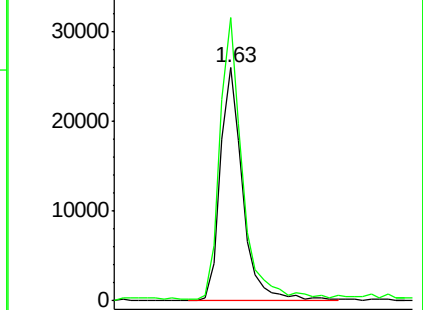
74 100

45 121.5 57.2 171.6

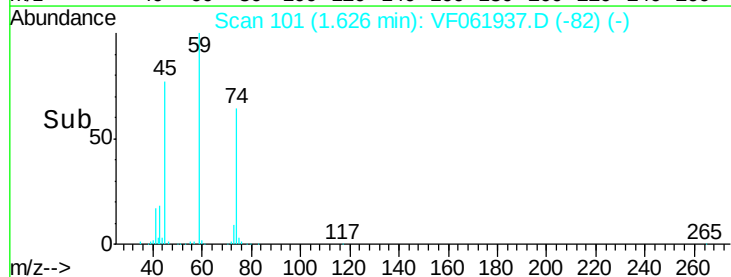


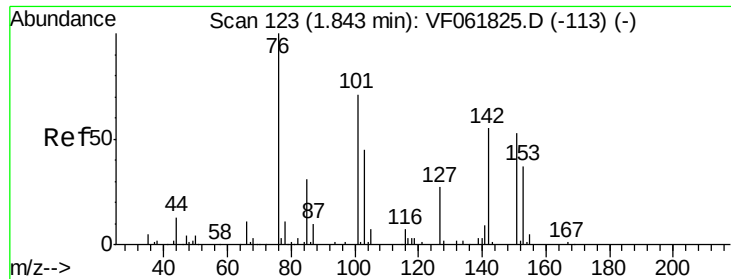
Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



Time--> 1.50 1.60 1.70 1.80





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.886 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

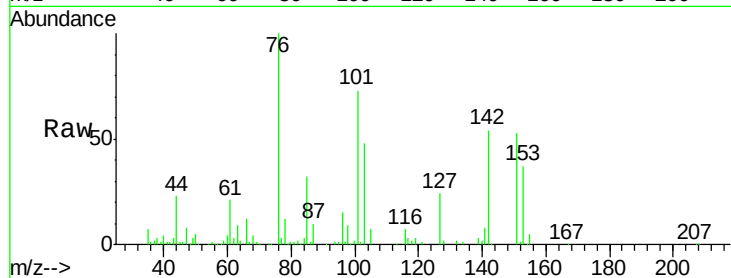
Tot Ion:101 Resp: 149863

Ion Ratio Lower Upper

101 100

85 43.3 34.0 51.0

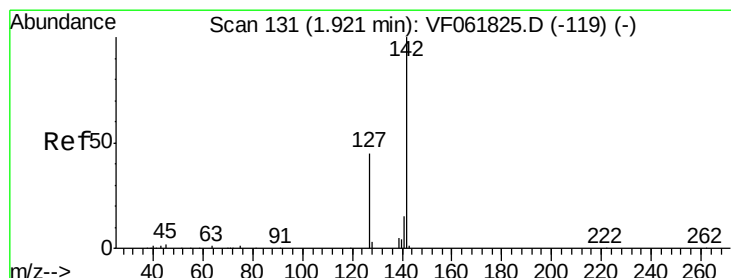
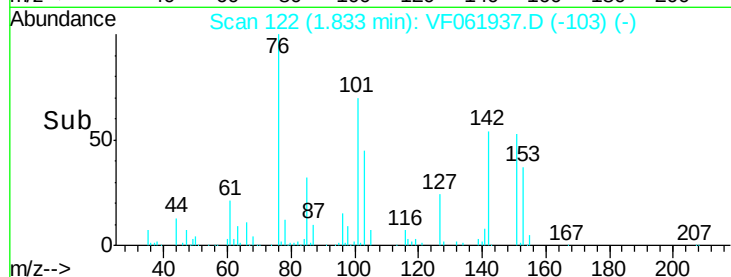
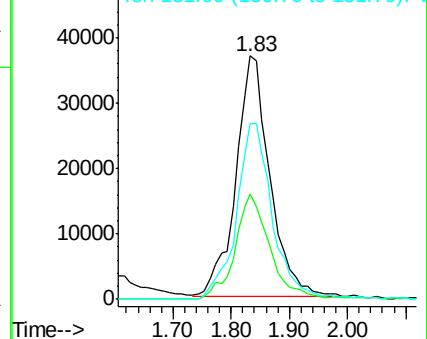
151 71.9 57.3 85.9



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: 38.065 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

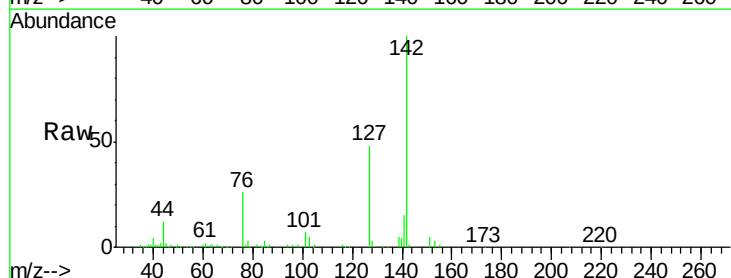
Tgt Ion:142 Resp: 205262

Ion Ratio Lower Upper

142 100

127 48.1 35.8 53.6

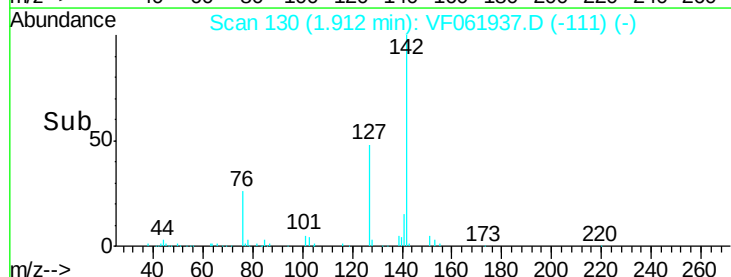
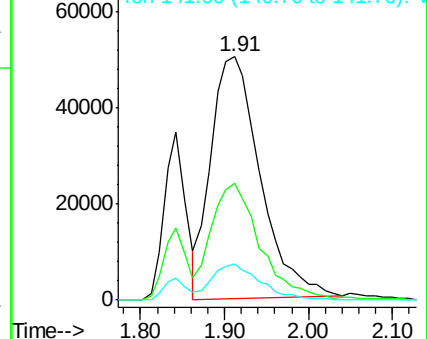
141 14.8 11.7 17.5

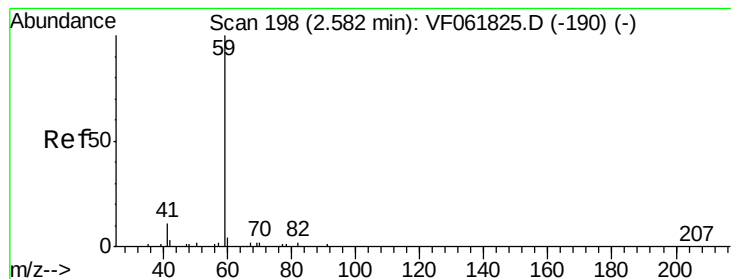


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



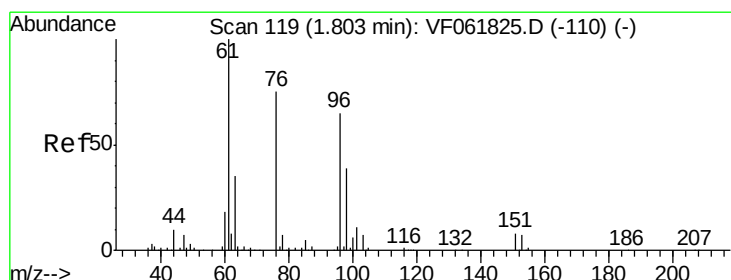
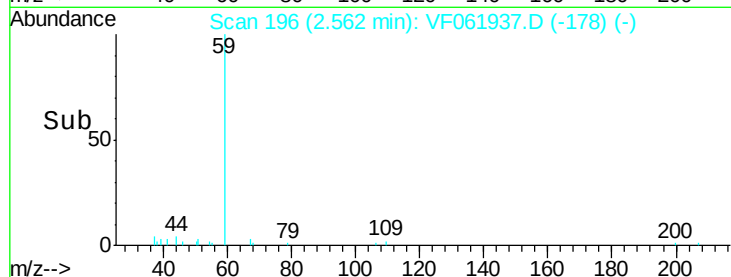
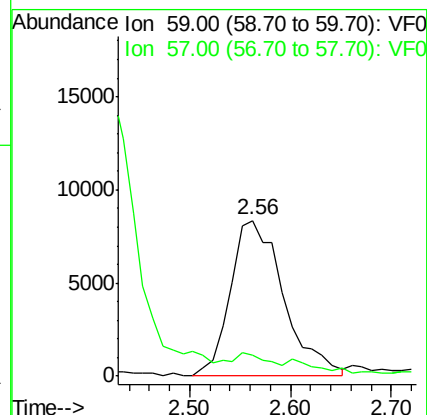
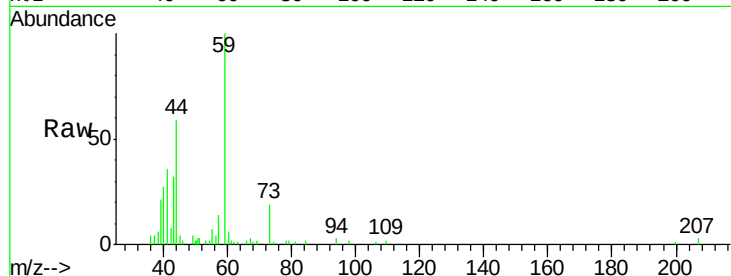


#11

Tert butyl alcohol
Concen: 246.567 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

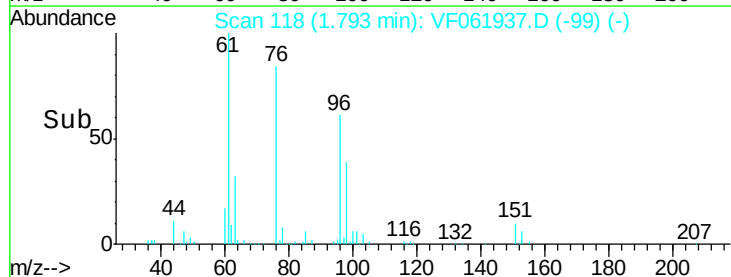
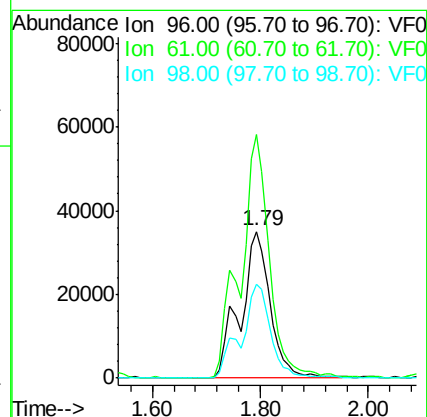
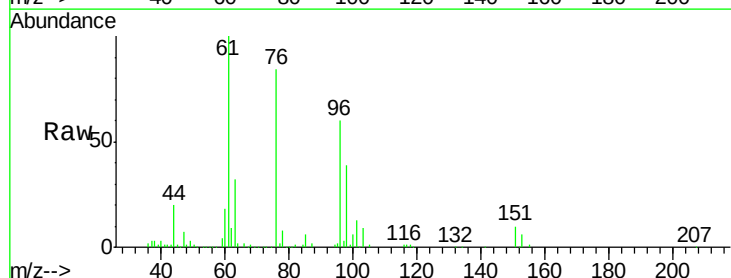
Tot Ion: 59 Resp: 30829
Ion Ratio Lower Upper
59 100
57 13.9 11.8 17.6

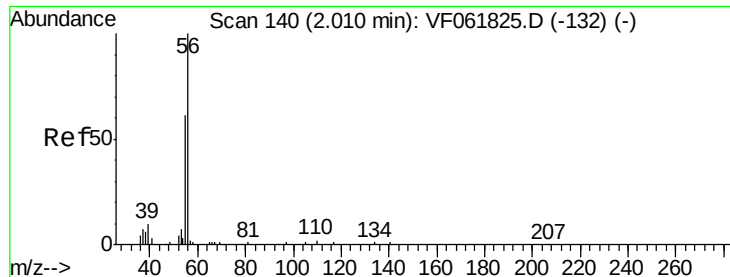


#12

1,1-Dichloroethene
Concen: 51.775 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

Tgt Ion: 96 Resp: 133943
Ion Ratio Lower Upper
96 100
61 166.2 122.5 183.7
98 64.2 47.1 70.7





#13

Acrolein

Concen: 263.219 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

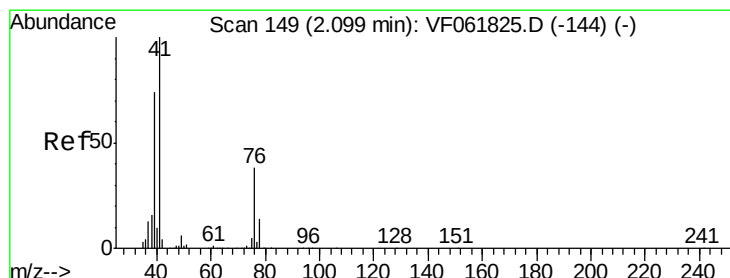
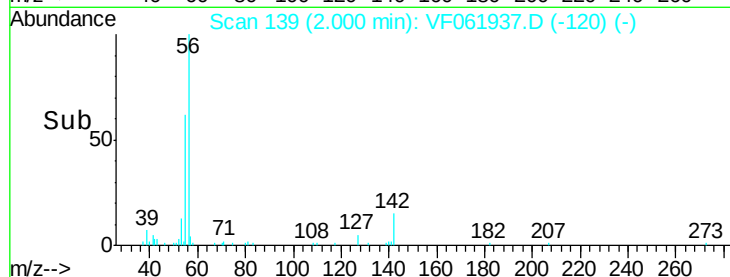
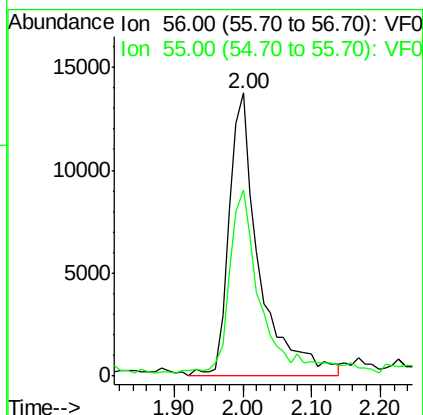
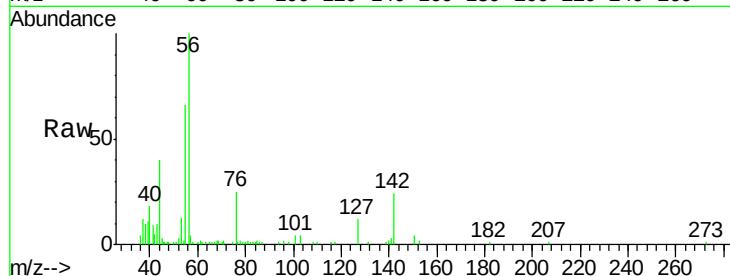
VSTDCCC050

Tot Ion: 56 Resp: 41702

Ion Ratio Lower Upper

56 100

55 65.6 51.3 76.9



#14

Allyl chloride

Concen: 59.408 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

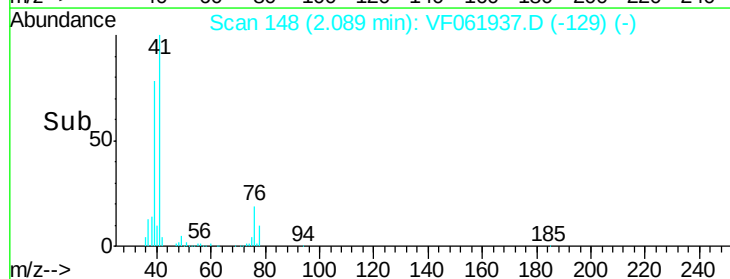
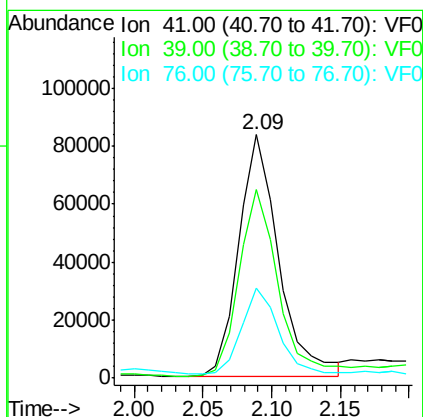
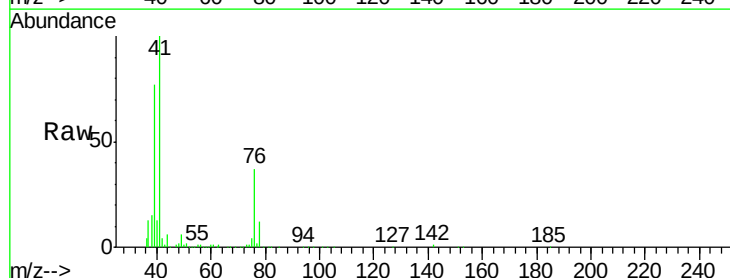
Tgt Ion: 41 Resp: 169314

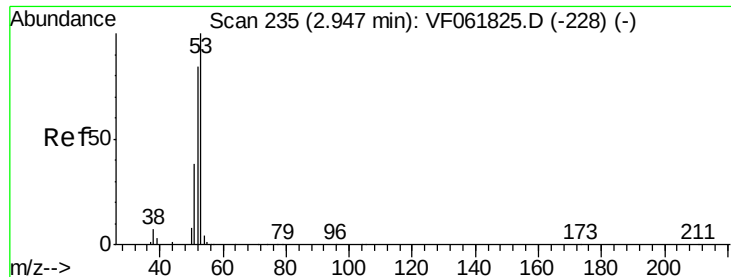
Ion Ratio Lower Upper

41 100

39 77.4 59.6 89.4

76 37.1 32.3 48.5





#15

Acrylonitrile

Concen: 260.611 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

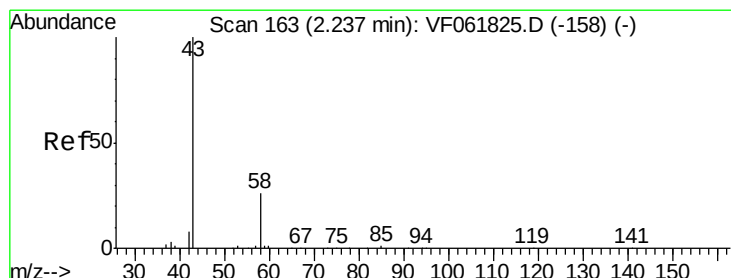
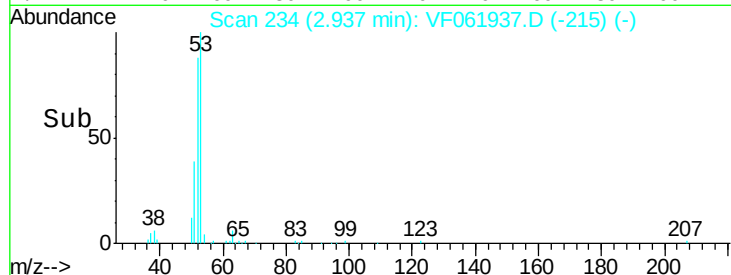
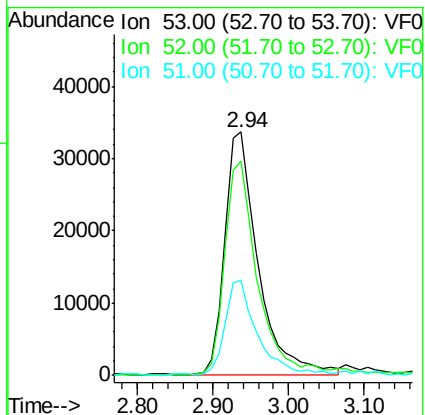
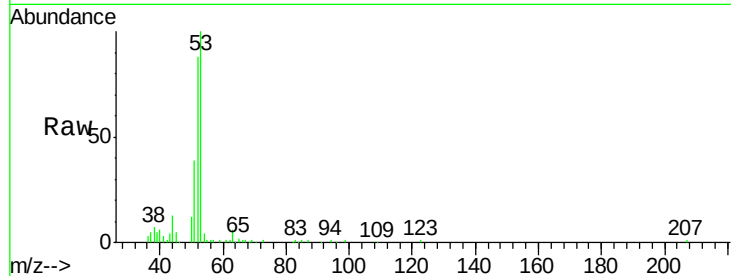
Tot Ion: 53 Resp: 103759

Ion Ratio Lower Upper

53 100

52 87.8 67.4 101.0

51 38.9 30.7 46.1



#16

Acetone

Concen: 303.766 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061937.D

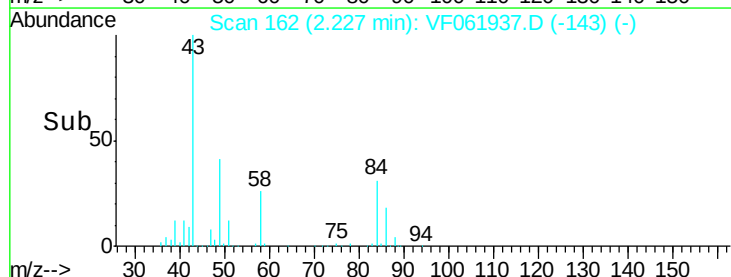
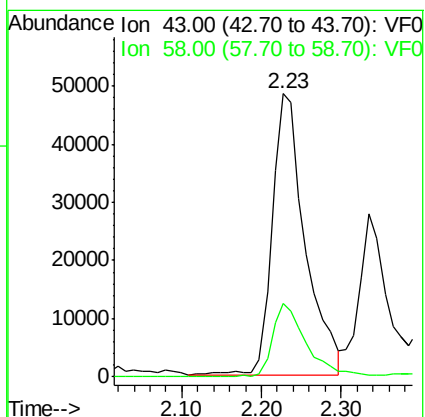
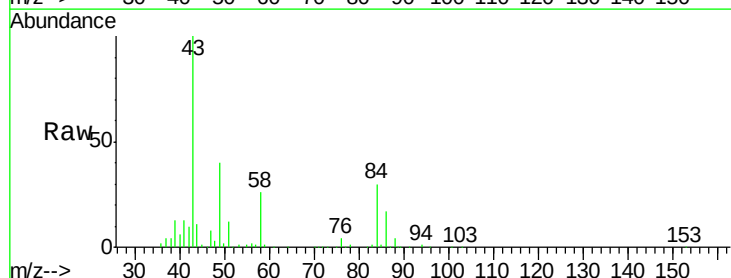
Acq: 14 Mar 2019 14:11

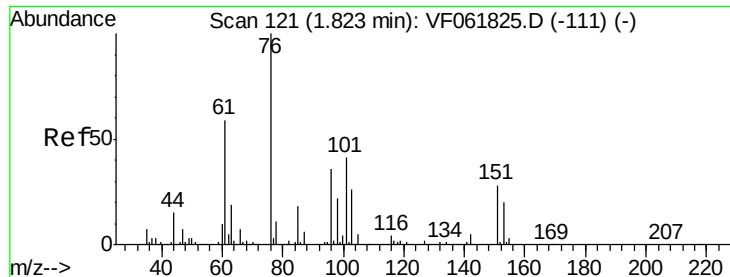
Tgt Ion: 43 Resp: 140169

Ion Ratio Lower Upper

43 100

58 25.8 20.3 30.5

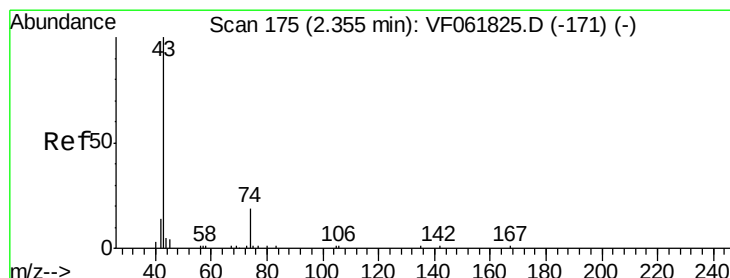
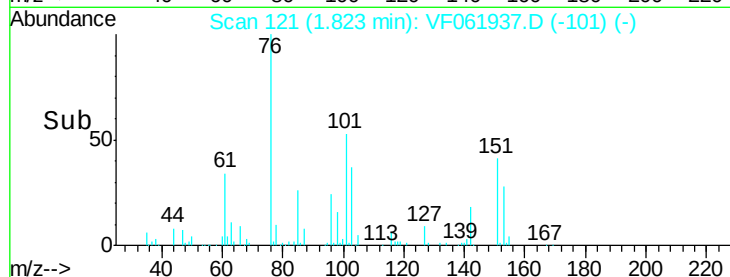
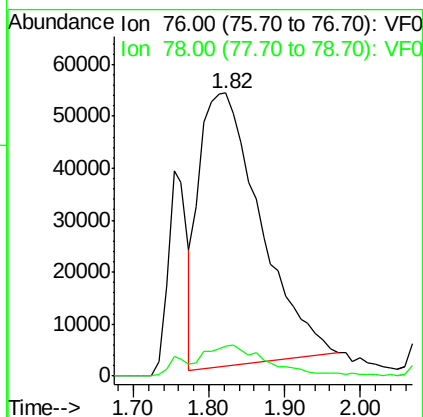
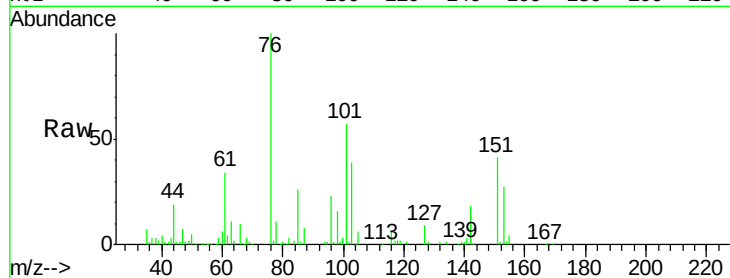




#17
Carbon Disulfide
Concen: 36.441 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

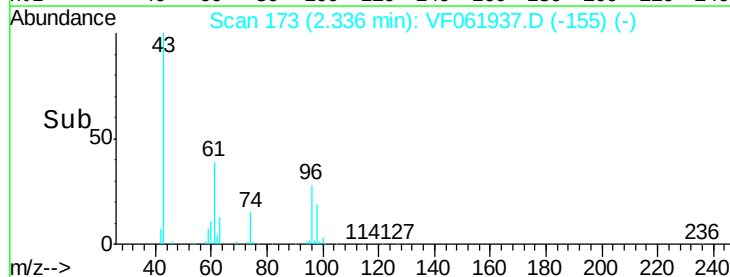
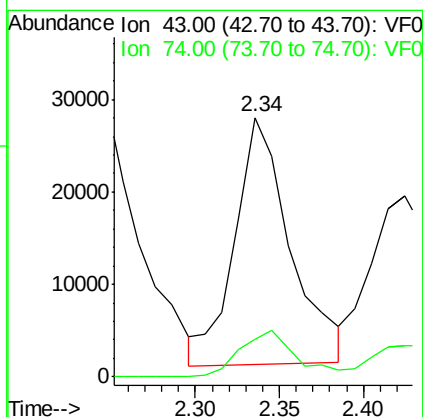
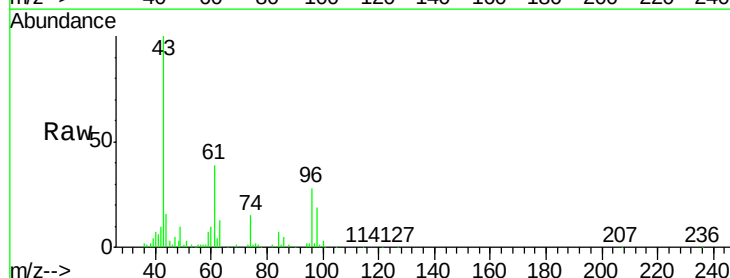
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

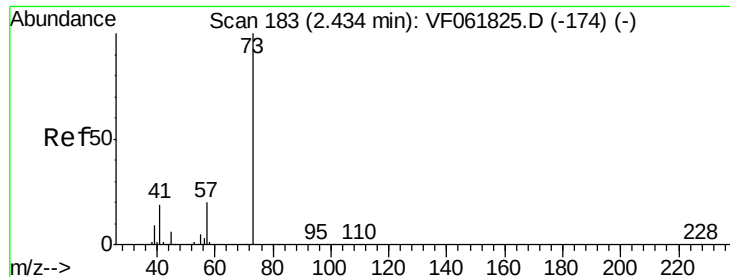
Tot Ion: 76 Resp: 293450
Ion Ratio Lower Upper
76 100
78 10.7 9.1 13.7



#18
Methyl Acetate
Concen: 66.494 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.02 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

Tgt Ion: 43 Resp: 61059
Ion Ratio Lower Upper
43 100
74 14.6 13.2 19.8

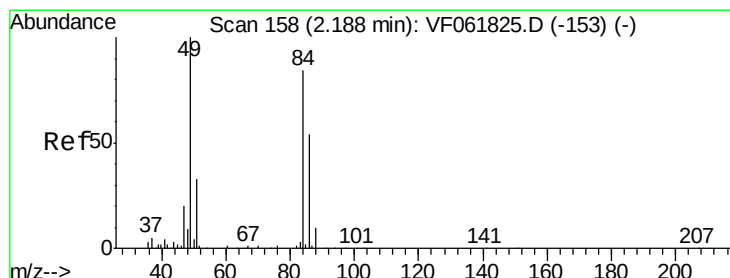
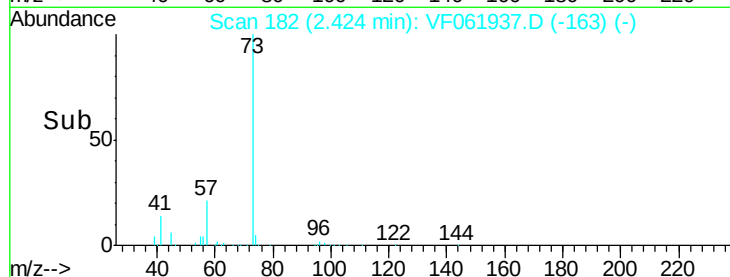
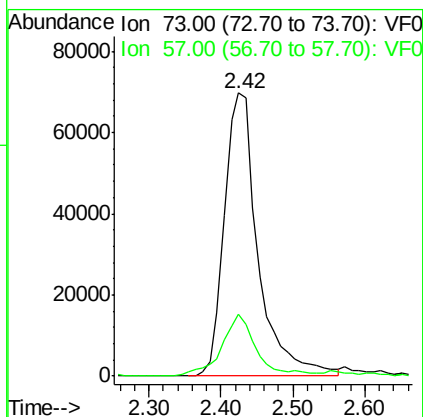
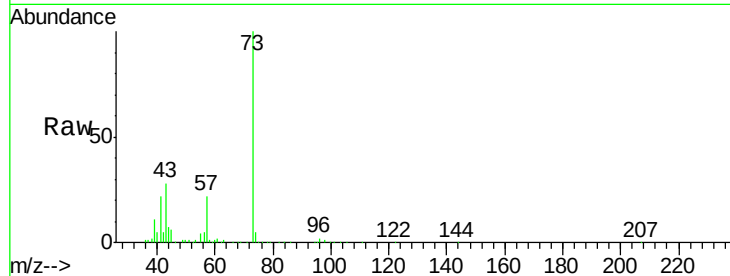




#19
Methyl tert-butyl Ether
Concen: 51.898 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

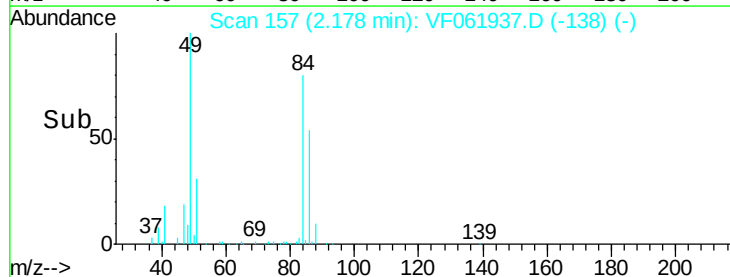
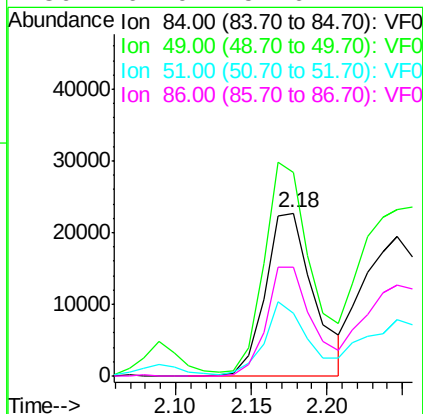
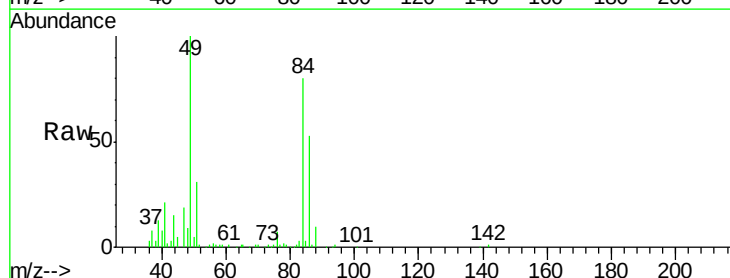
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

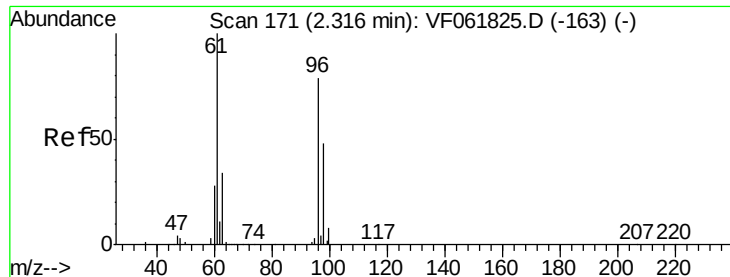
Tot Ion: 73 Resp: 227125
Ion Ratio Lower Upper
73 100
57 21.8 16.1 24.1



#20
Methylene Chloride
Concen: 16.301 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

Tgt Ion: 84 Resp: 50879
Ion Ratio Lower Upper
84 100
49 125.3 96.8 145.2
51 38.4 31.8 47.6
86 67.0 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 56.881 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

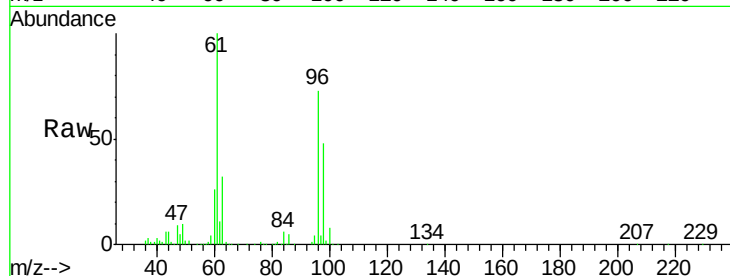
Tot Ion: 96 Resp: 138495

Ion Ratio Lower Upper

96 100

61 137.4 101.0 151.6

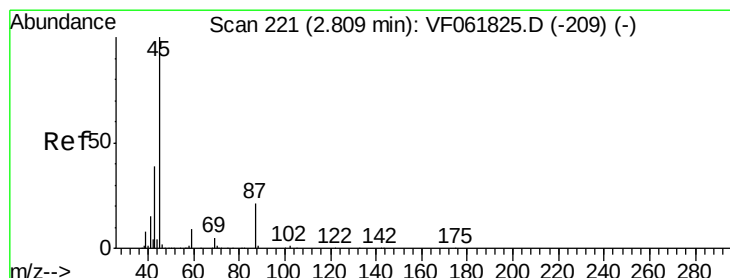
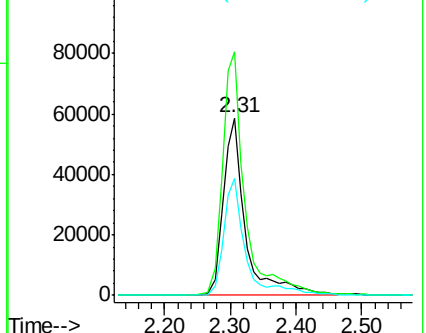
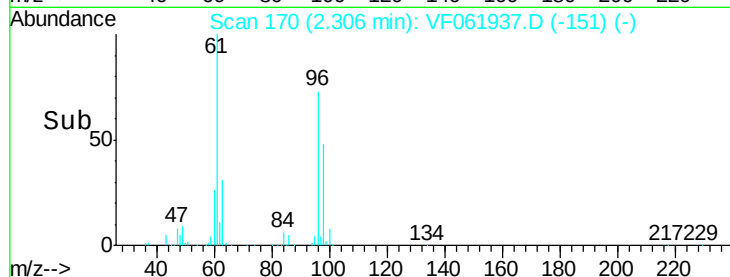
98 66.1 48.8 73.2



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: 54.002 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Tgt Ion: 45 Resp: 400356

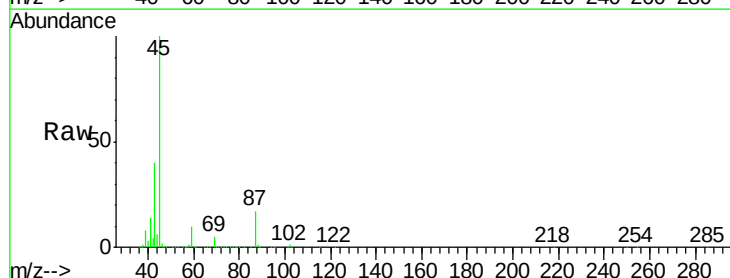
Ion Ratio Lower Upper

45 100

43 40.3 31.8 47.8

87 17.3 17.1 25.7

59 10.4 7.8 11.6

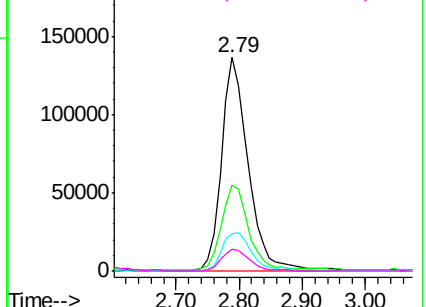
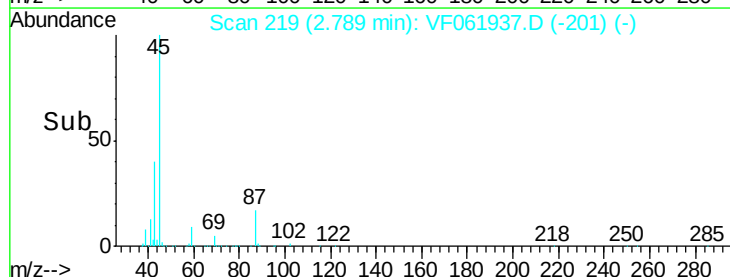


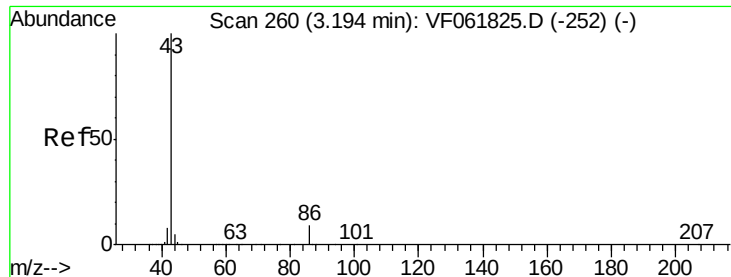
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 269.111 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

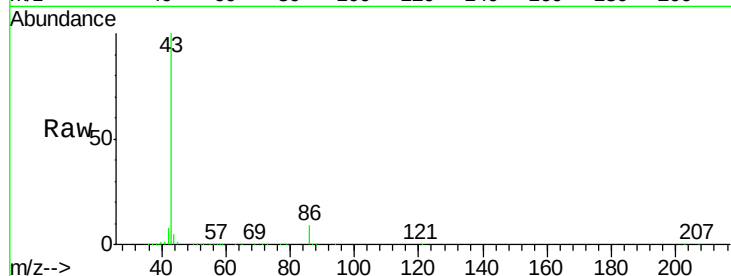
VSTDCCC050

Tot Ion: 43 Resp: 891281

Ion Ratio Lower Upper

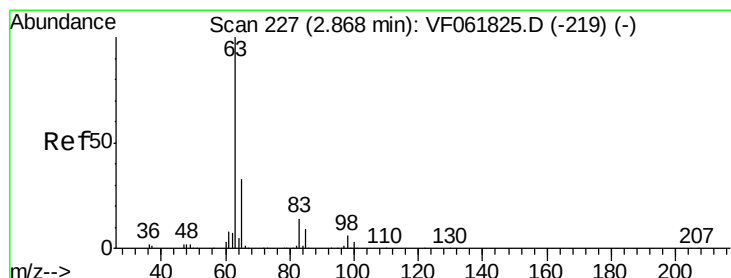
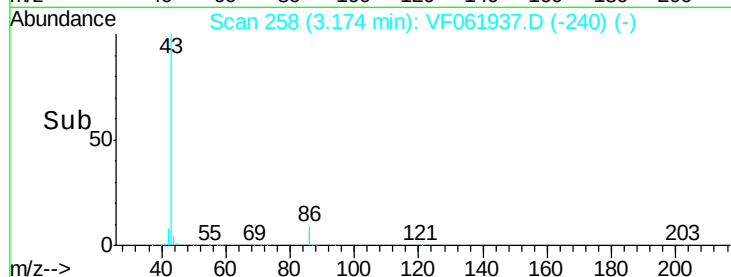
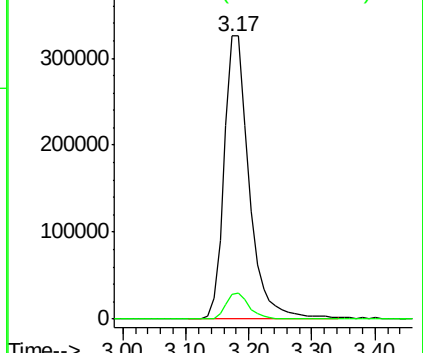
43 100

86 8.8 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 51.730 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

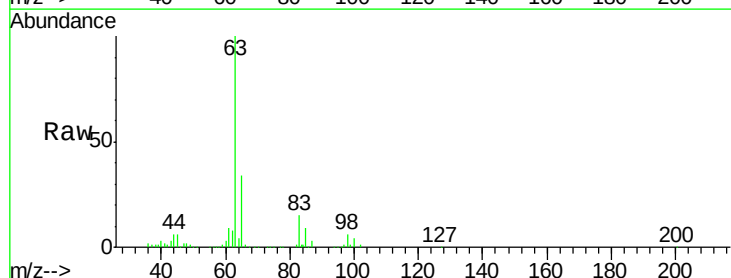
Tgt Ion: 63 Resp: 229229

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

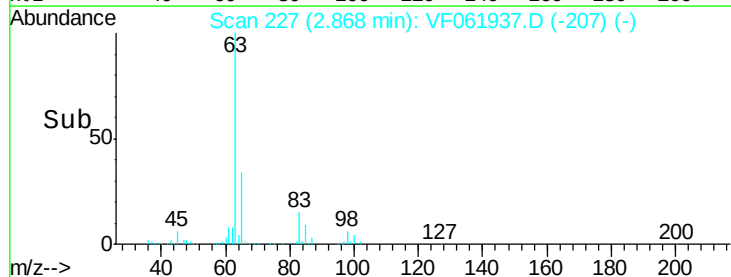
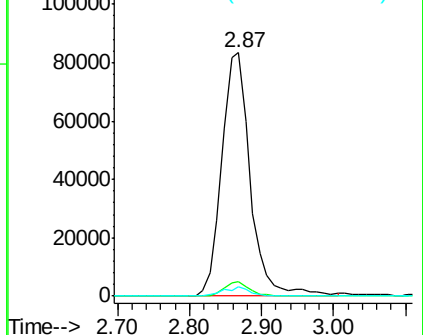
100 4.1 1.8 5.3

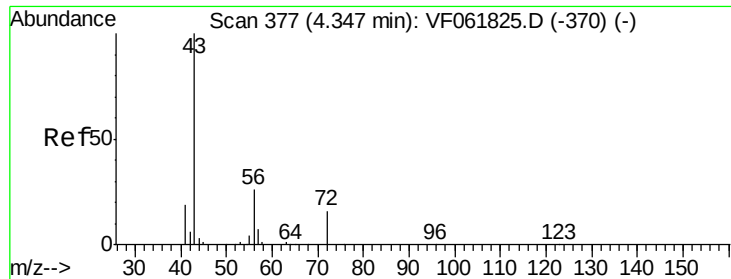


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 269.333 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

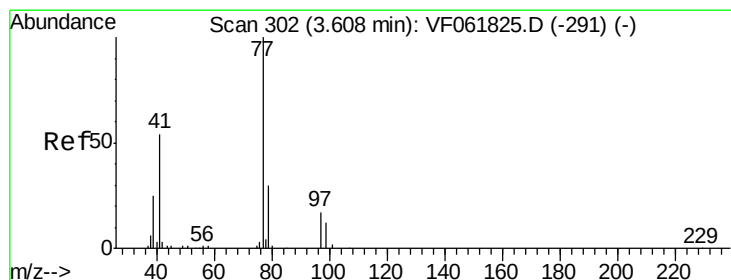
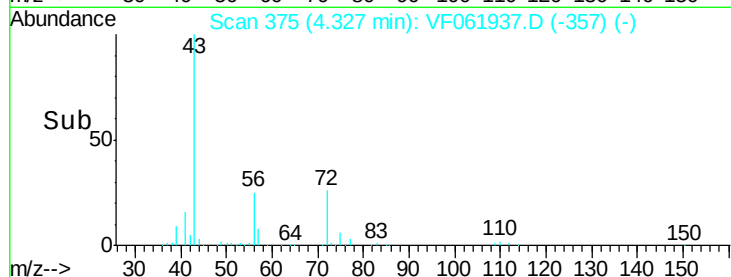
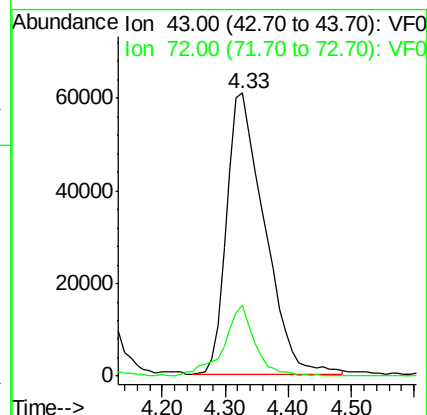
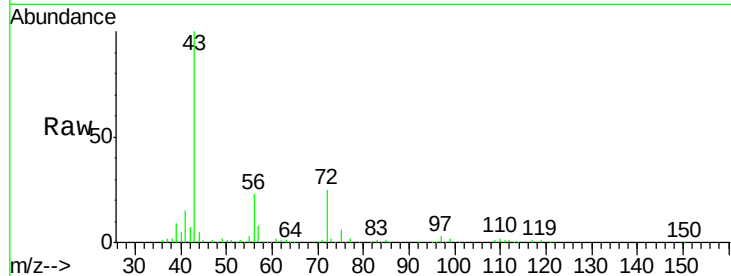
VSTDCCC050

Tot Ion: 43 Resp: 252798

Ion Ratio Lower Upper

43 100

72 25.1 16.2 24.4#



#26

2,2-Dichloropropane

Concen: 54.406 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.02 min

Lab File: VF061937.D

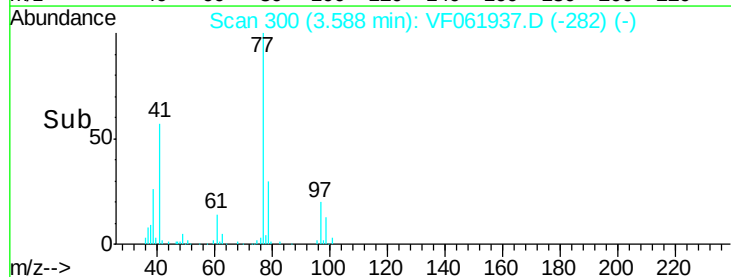
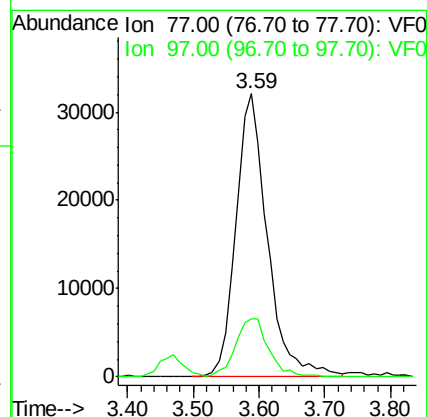
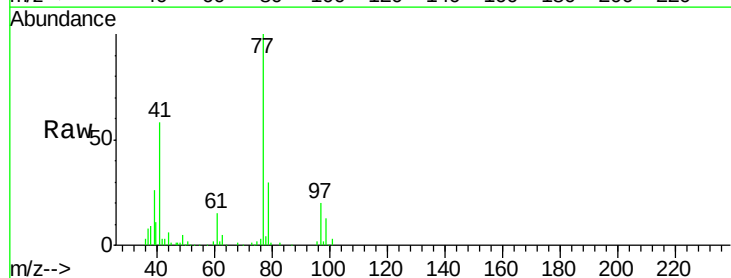
Acq: 14 Mar 2019 14:11

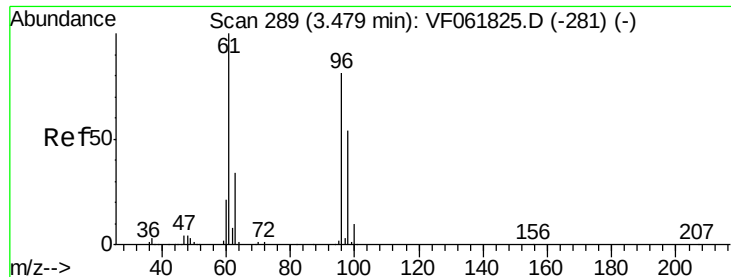
Tgt Ion: 77 Resp: 107623

Ion Ratio Lower Upper

77 100

97 20.4 10.4 31.4



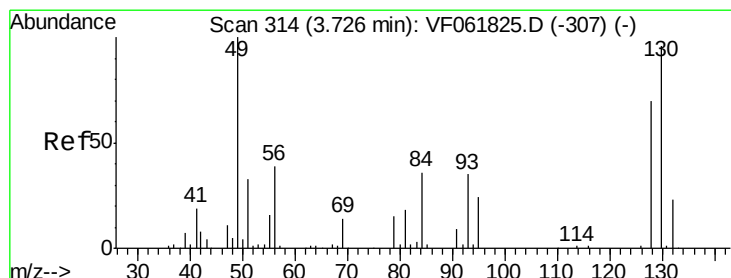
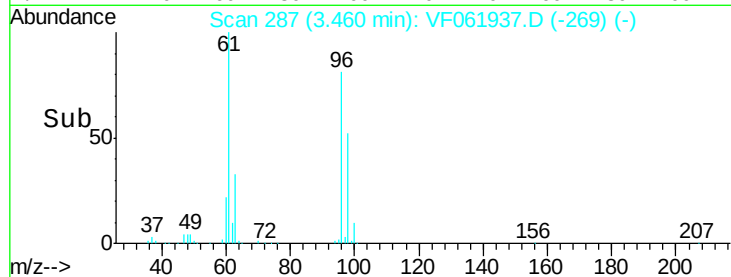
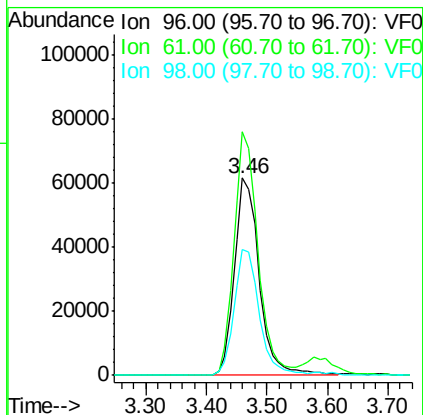
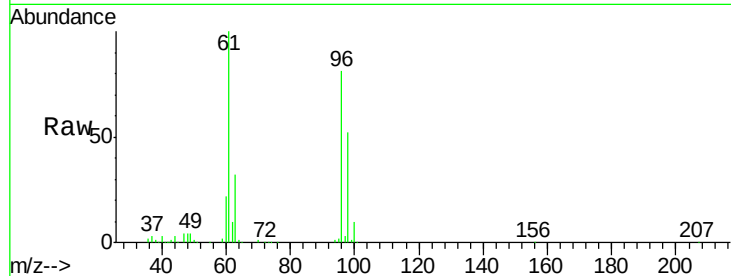


#27

cis-1,2-Dichloroethene
 Concen: 52.300 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.02 min
 Lab File: VF061937.D
 Acq: 14 Mar 2019 14:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

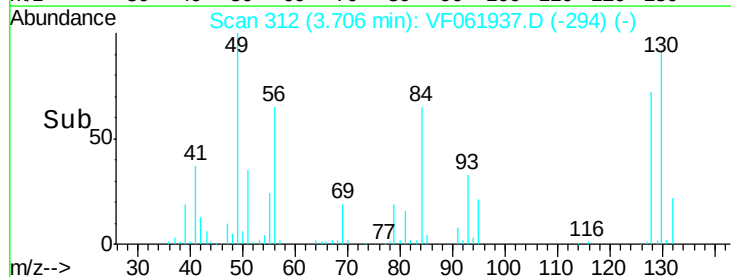
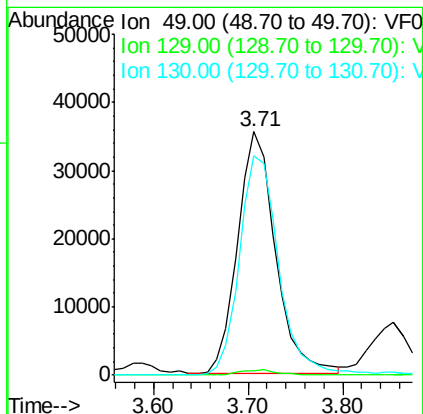
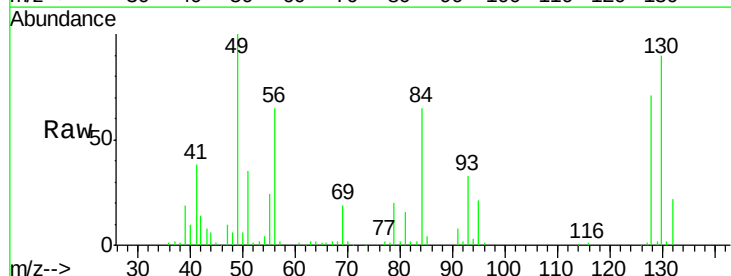
Tot Ion: 96 Resp: 176422
 Ion Ratio Lower Upper
 96 100
 61 123.6 0.0 245.8
 98 64.1 0.0 132.6

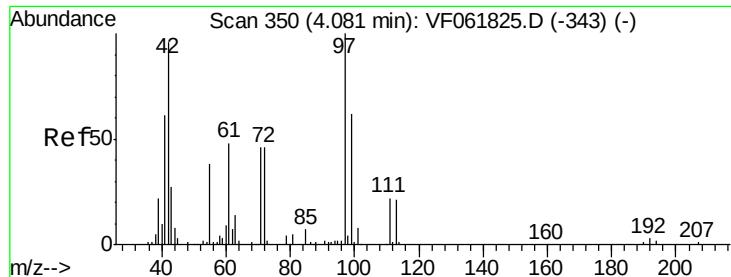


#28

Bromochloromethane
 Concen: 51.160 ug/l
 RT: 3.71 min Scan# 312
 Delta R.T. -0.02 min
 Lab File: VF061937.D
 Acq: 14 Mar 2019 14:11

Tgt Ion: 49 Resp: 98821
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 0.0#
 130 90.2 76.9 115.3





#29

Tetrahydrofuran

Concen: 249.419 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

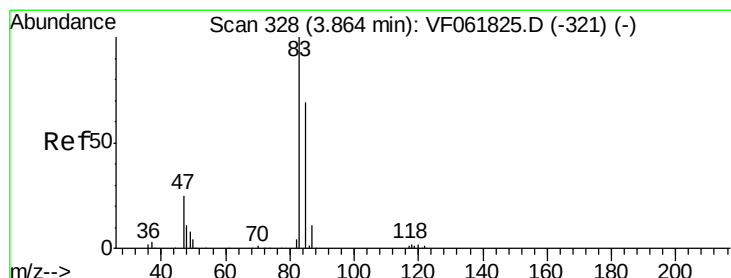
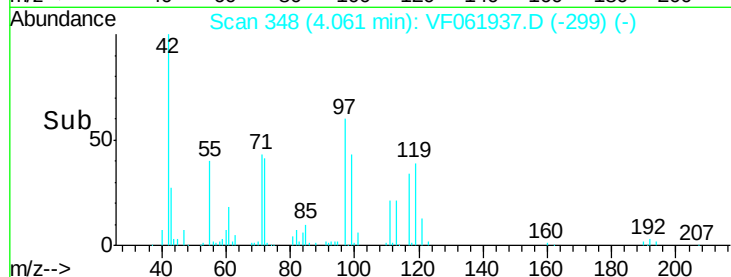
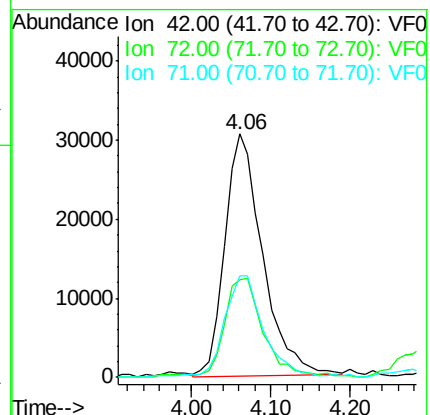
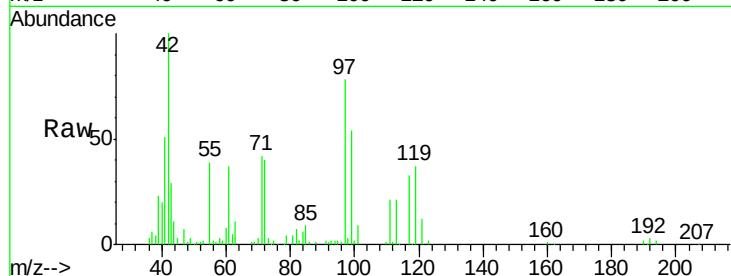
Tot Ion: 42 Resp: 100963

Ion Ratio Lower Upper

42 100

72 41.7 34.4 51.6

71 44.3 34.6 52.0



#30

Chloroform

Concen: 51.151 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.02 min

Lab File: VF061937.D

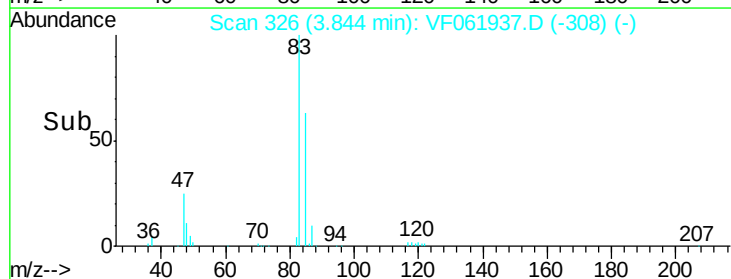
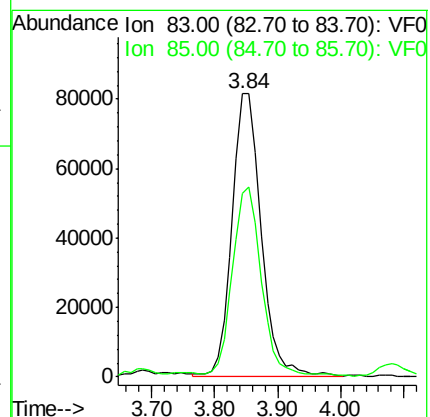
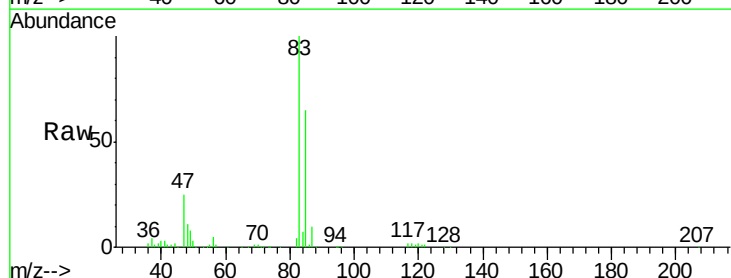
Acq: 14 Mar 2019 14:11

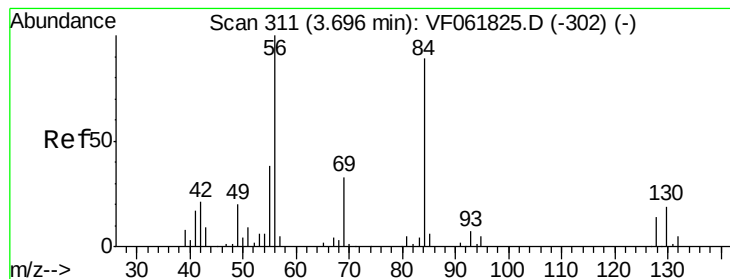
Tgt Ion: 83 Resp: 258897

Ion Ratio Lower Upper

83 100

85 65.0 55.3 82.9





#31

Cyclohexane

Concen: 31.545 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

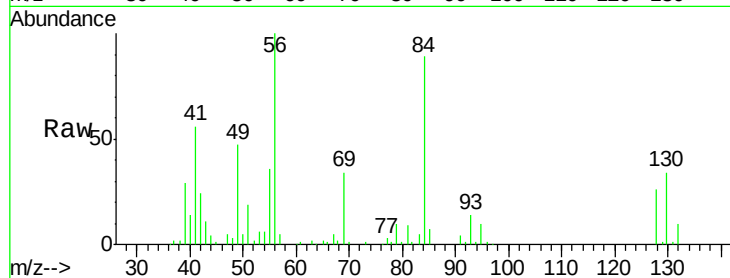
Tot Ion: 56 Resp: 146408

Ion Ratio Lower Upper

56 100

69 34.0 26.0 39.0

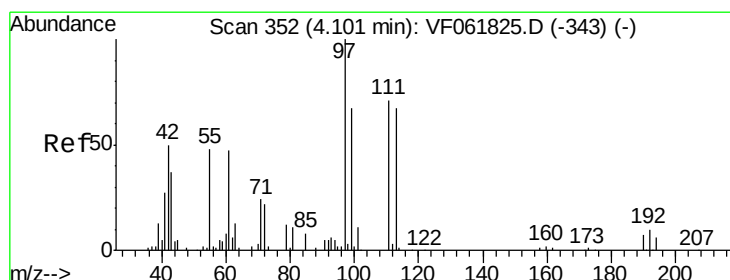
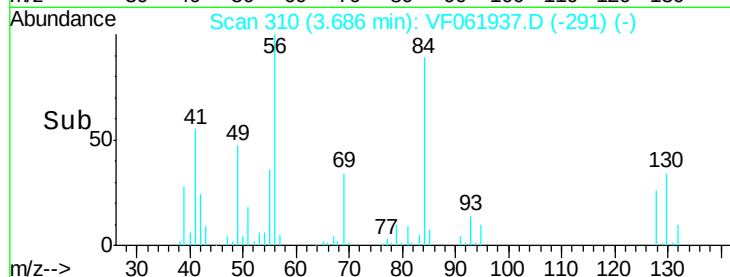
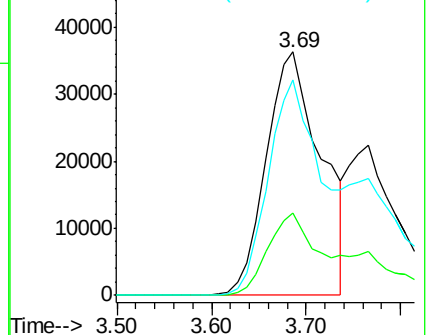
84 88.6 71.0 106.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 57.913 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

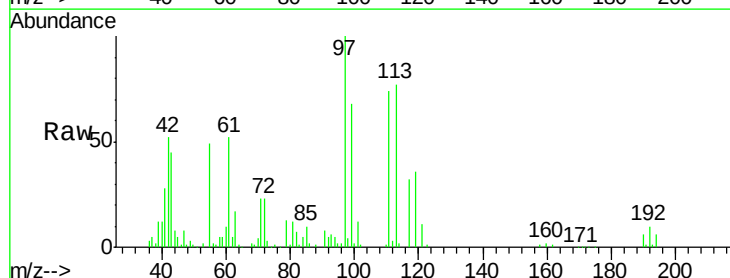
Tgt Ion: 97 Resp: 180678

Ion Ratio Lower Upper

97 100

99 67.6 53.8 80.8

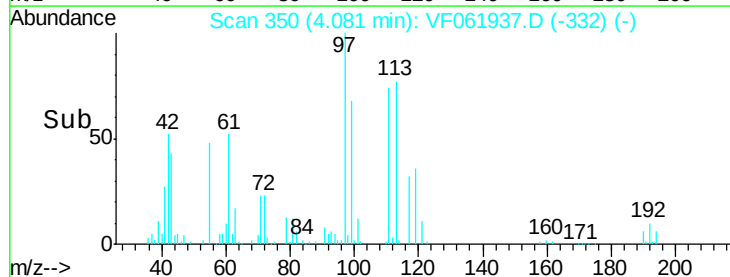
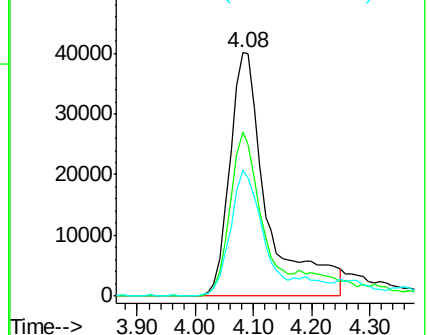
61 51.5 37.9 56.9

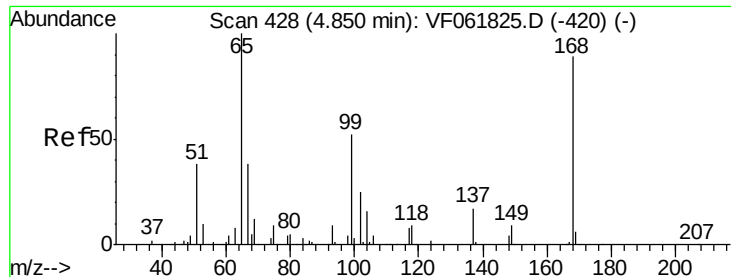


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

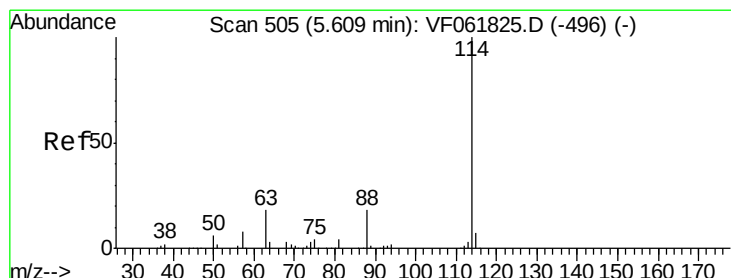
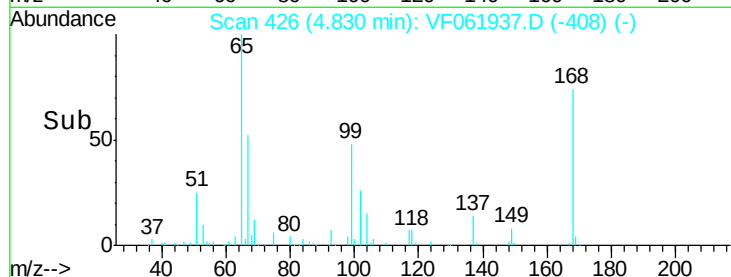
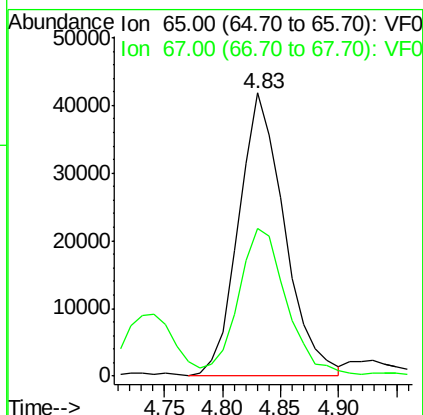
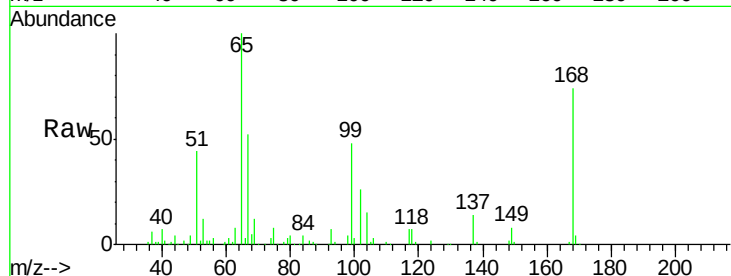




#33
 1,2-Dichloroethane-d4
 Concen: 51.474 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: VF061937.D
 Acq: 14 Mar 2019 14:11

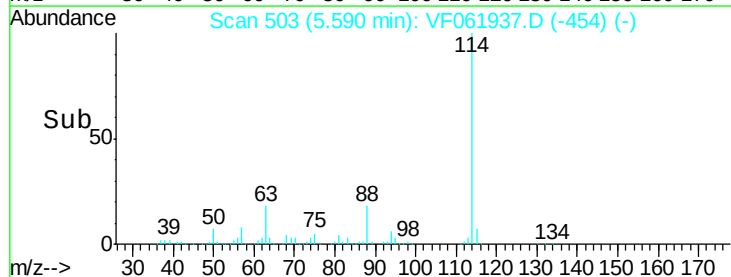
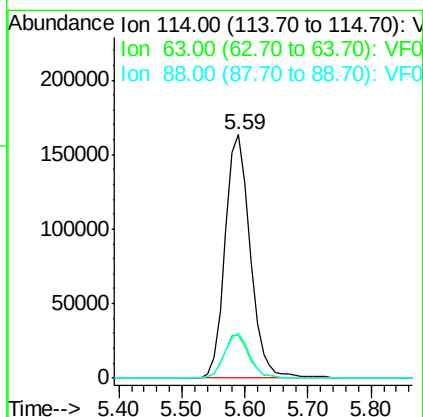
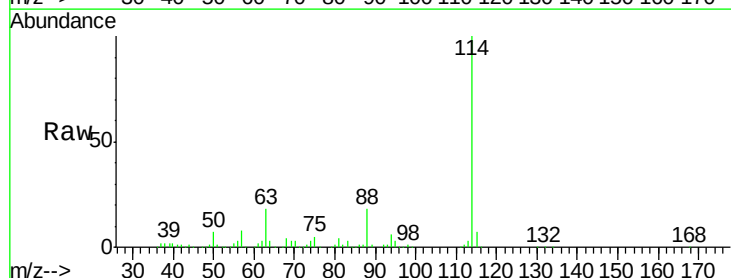
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

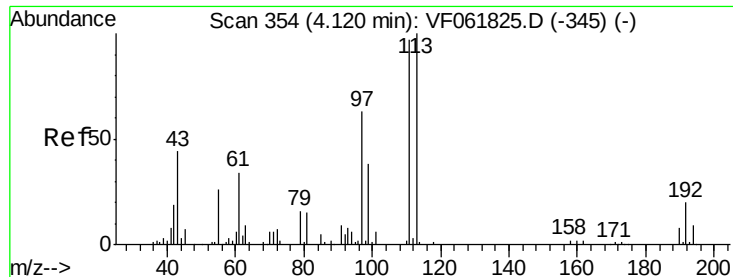
Tot Ion: 65 Resp: 113391
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061937.D
 Acq: 14 Mar 2019 14:11

Tgt Ion: 114 Resp: 450613
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.6
 88 18.4 0.0 35.6





#35

Dibromofluoromethane

Concen: 52.381 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

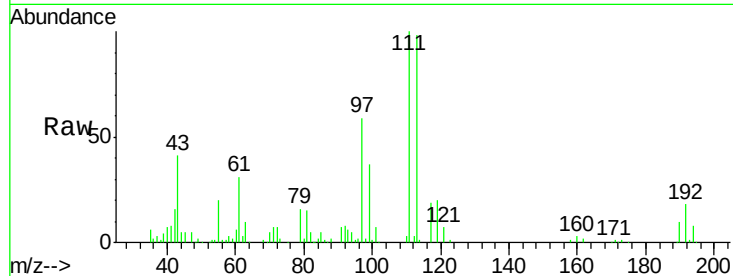
Tot Ion:113 Resp: 164721

Ion Ratio Lower Upper

113 100

111 102.3 77.6 116.4

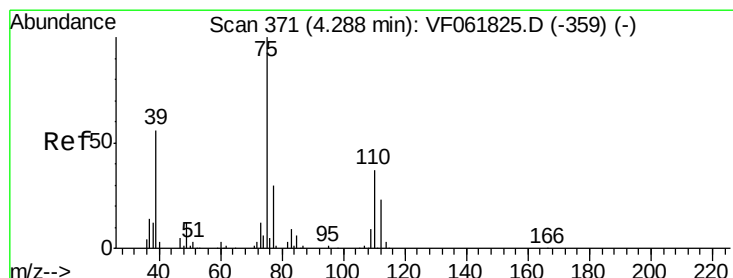
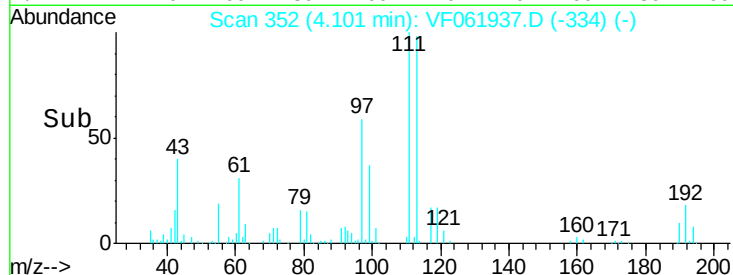
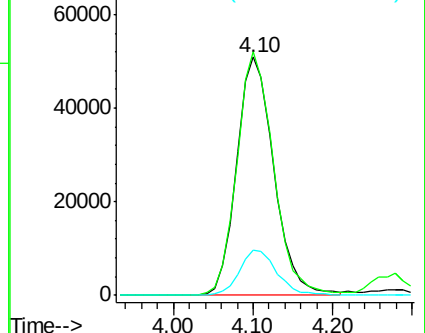
192 19.6 15.9 23.9



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: 49.806 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

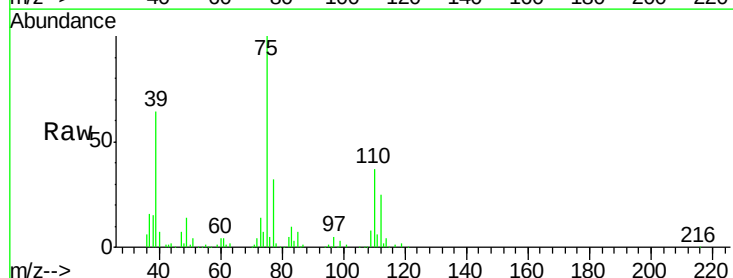
Tgt Ion: 75 Resp: 212001

Ion Ratio Lower Upper

75 100

110 37.1 18.6 55.6

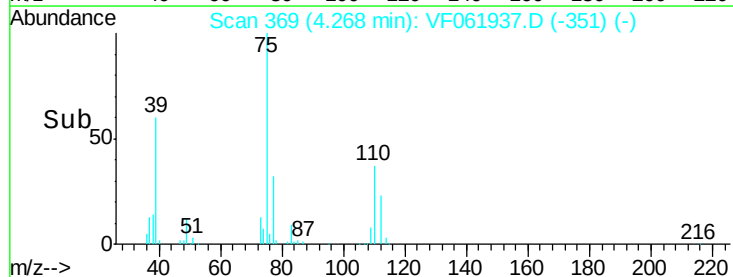
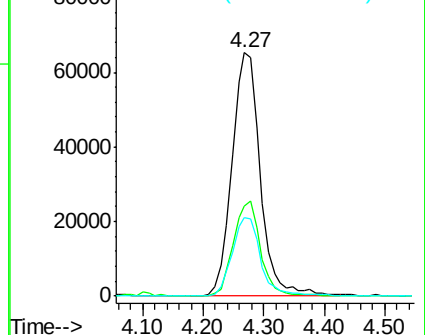
77 32.2 24.2 36.2

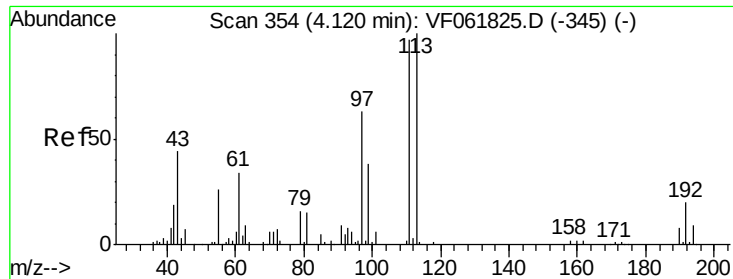


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

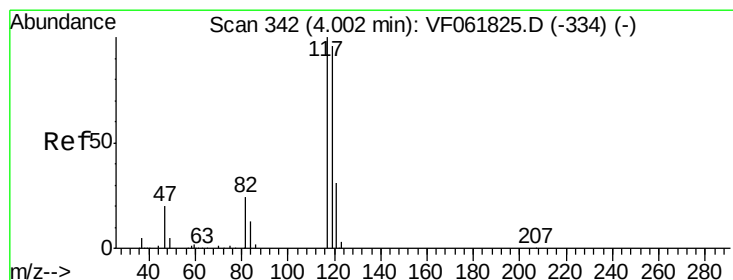
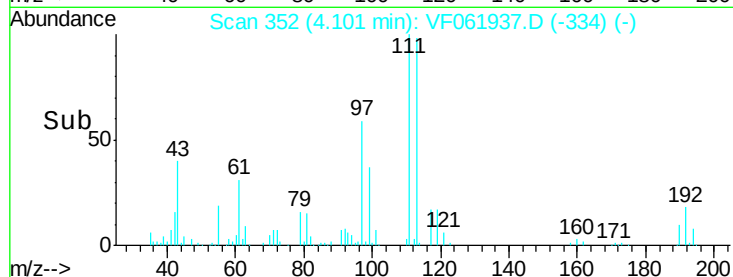
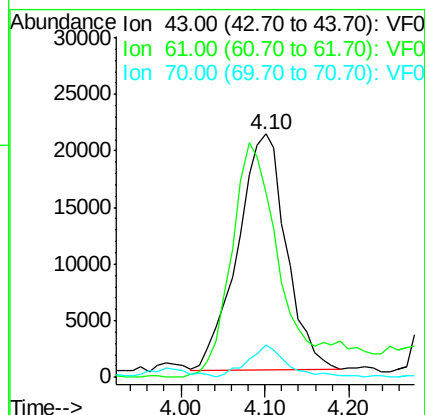
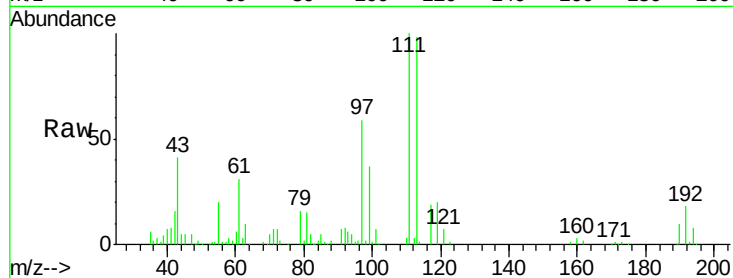




#37
Ethyl Acetate
Concen: 47.284 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.02 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

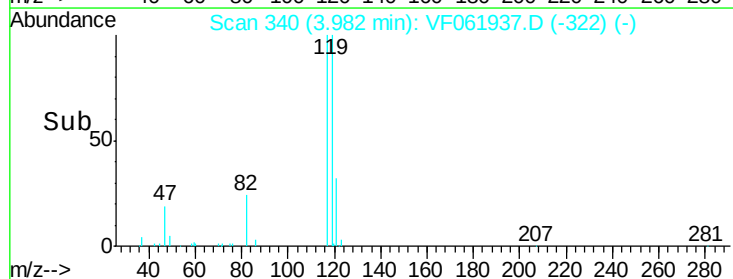
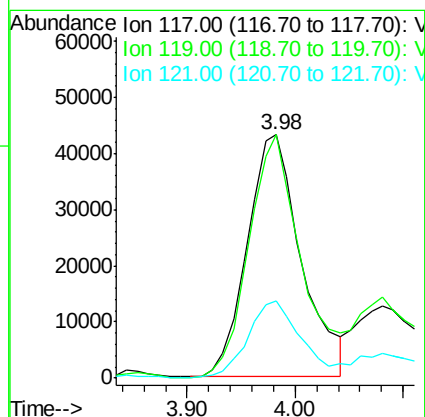
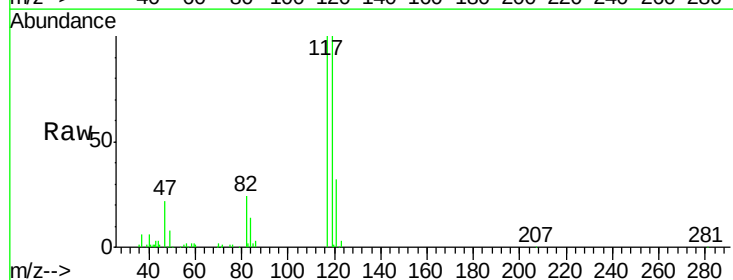
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

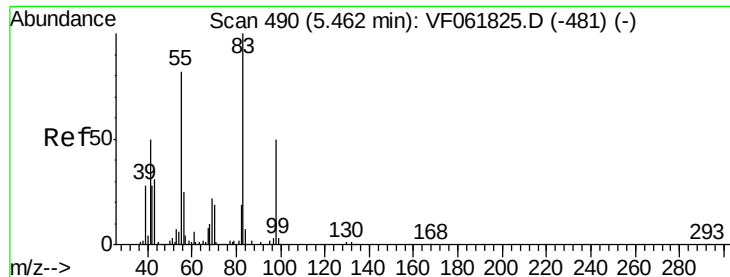
Tot Ion: 43 Resp: 84479
Ion Ratio Lower Upper
43 100
61 75.9 60.7 91.1
70 13.2 10.6 15.8



#38
Carbon Tetrachloride
Concen: 49.965 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

Tgt Ion: 117 Resp: 150555
Ion Ratio Lower Upper
117 100
119 99.8 76.6 114.8
121 31.8 24.4 36.6

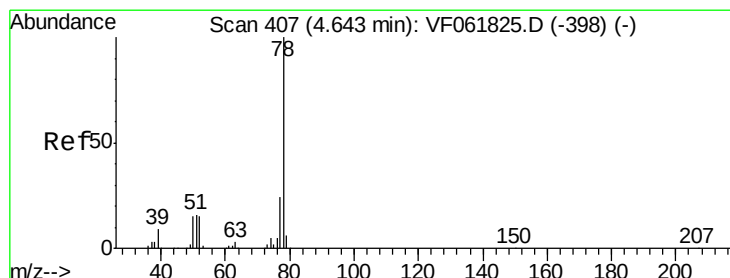
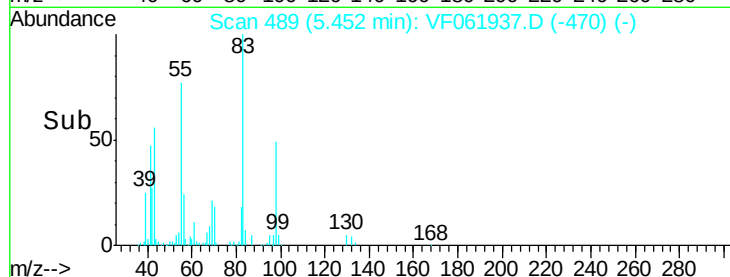
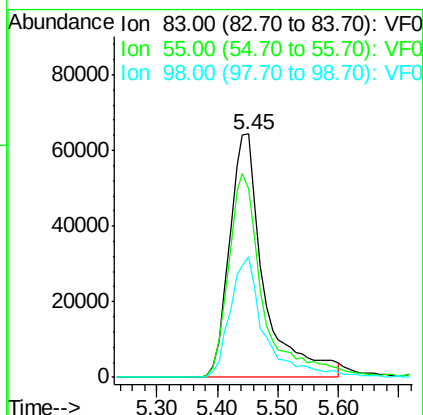
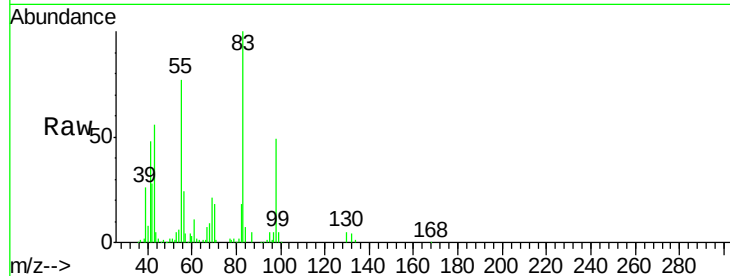




#39
Methvlcvclohexane
Concen: 50.772 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

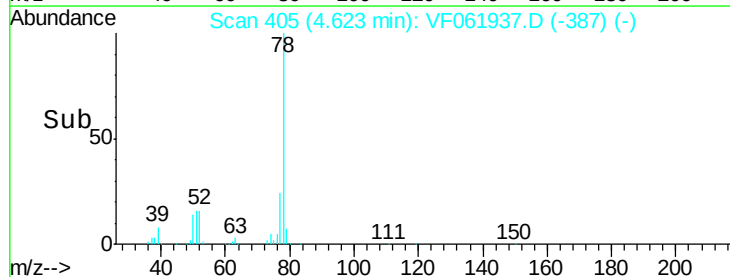
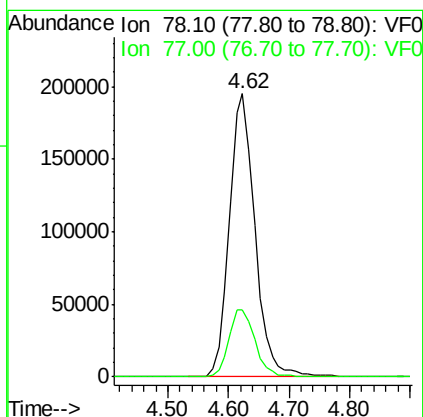
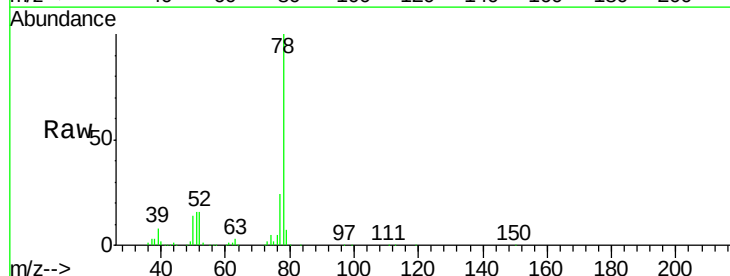
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

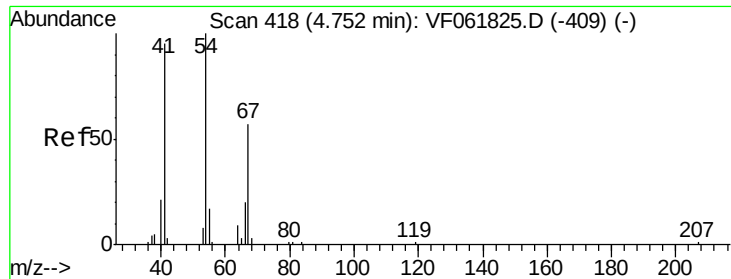
Tot Ion: 83 Resp: 255263
Ion Ratio Lower Upper
83 100
55 77.3 66.0 99.0
98 49.4 39.8 59.6



#40
Benzene
Concen: 51.618 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.02 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

Tgt Ion: 78 Resp: 574314
Ion Ratio Lower Upper
78 100
77 23.6 19.5 29.3

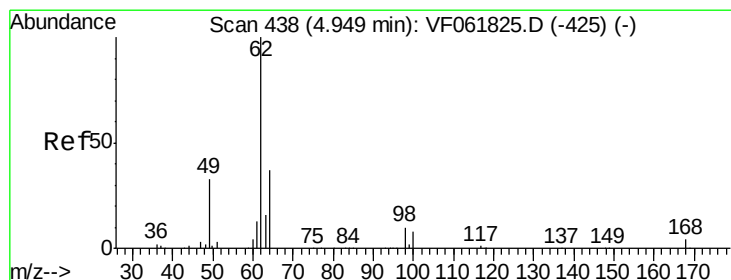
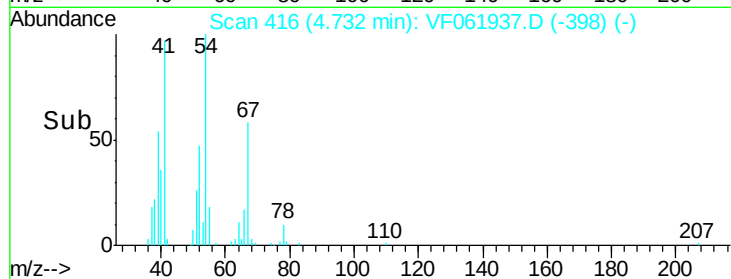
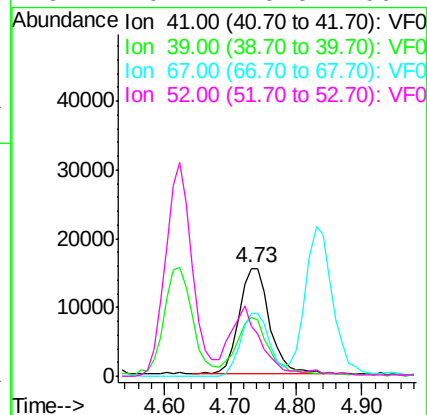
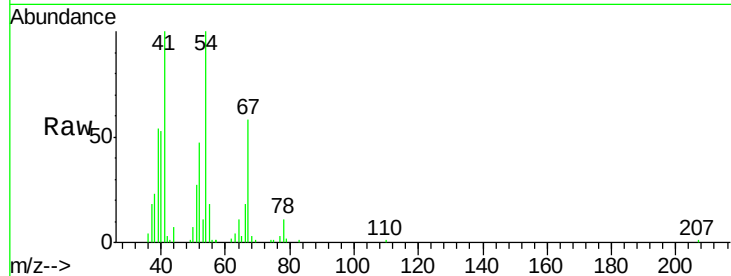




#41
Methacrylonitrile
Concen: 52.135 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.02 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

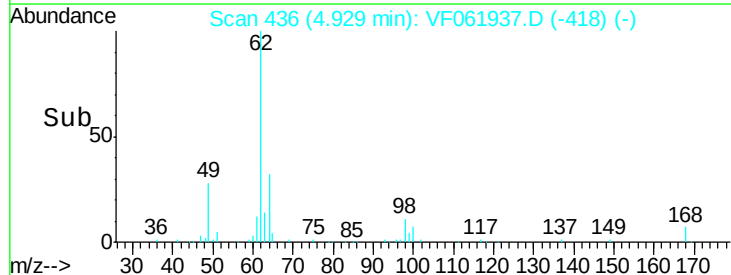
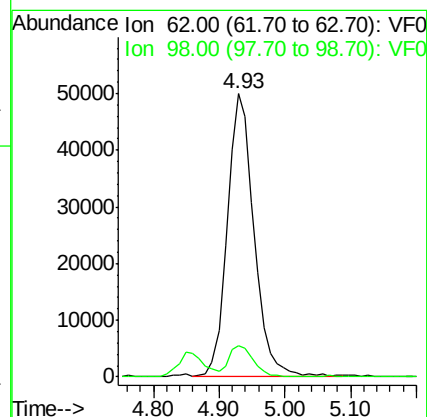
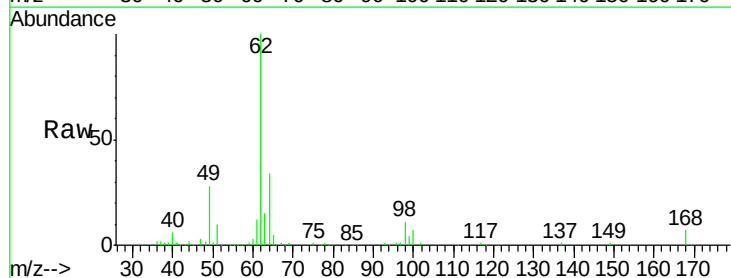
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

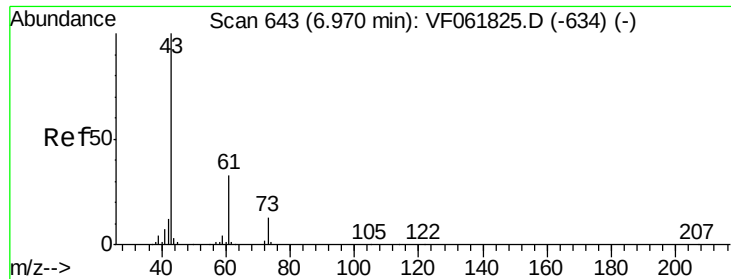
Tot Ion:	41	Resp:	51033
Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.0	64.6
67	57.7	47.8	71.8
52	46.7	40.5	60.7



#42
1,2-Dichloroethane
Concen: 50.545 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

Tgt Ion:	62	Resp:	140149
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	21.0

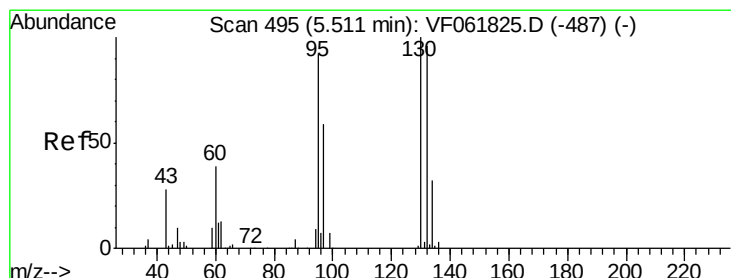
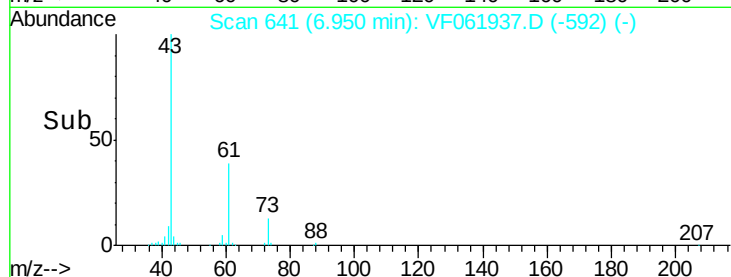
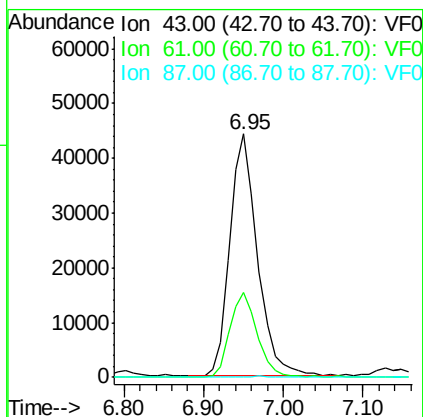
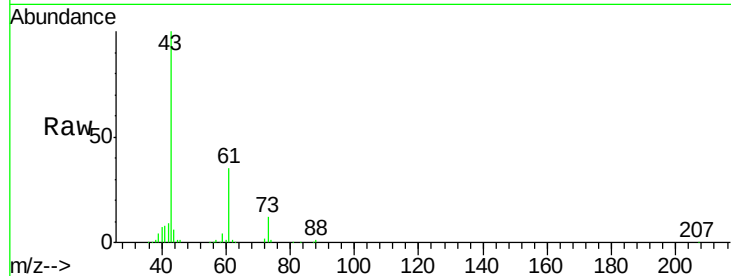




#43
Isopropyl Acetate
Concen: 48.813 ug/l
RT: 6.95 min Scan# 641
Delta R.T. -0.02 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

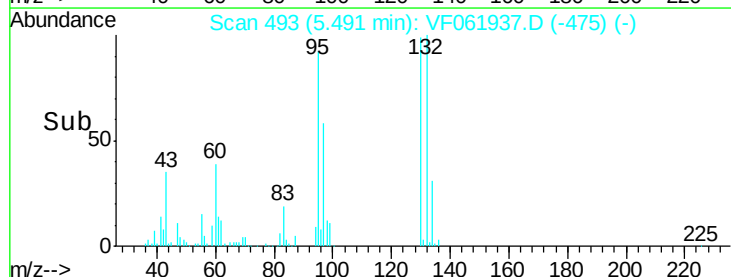
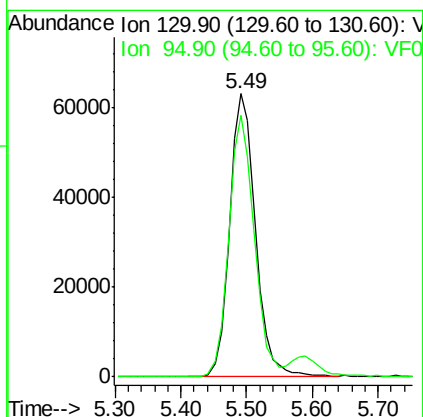
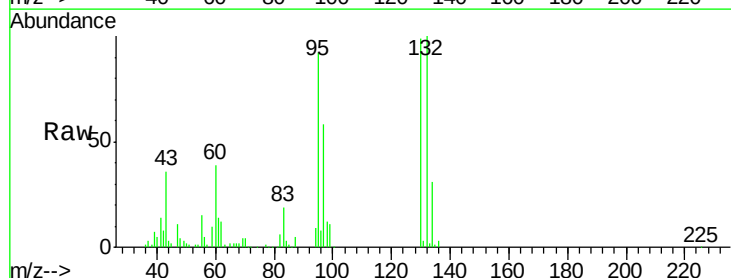
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

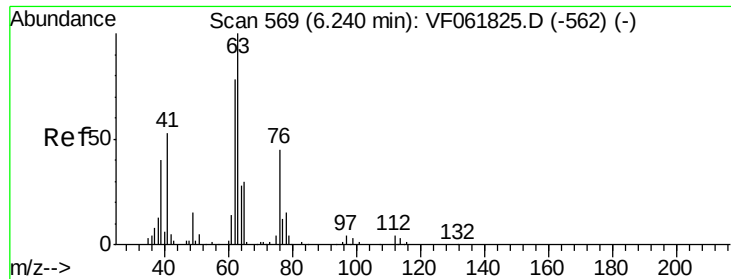
Tot Ion: 43 Resp: 107501
Ion Ratio Lower Upper
43 100
61 35.0 26.1 39.1
87 0.3 0.0 0.0#



#44
Trichloroethene
Concen: 50.333 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.02 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

Tgt Ion:130 Resp: 174032
Ion Ratio Lower Upper
130 100
95 92.3 0.0 184.0





#45

1,2-Dichloropropane

Concen: 51.180 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

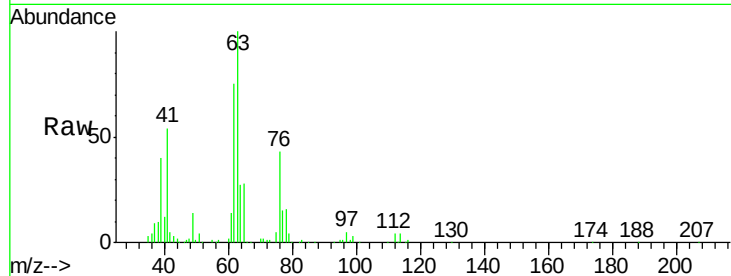
VSTDCCC050

Tot Ion: 63 Resp: 135406

Ion Ratio Lower Upper

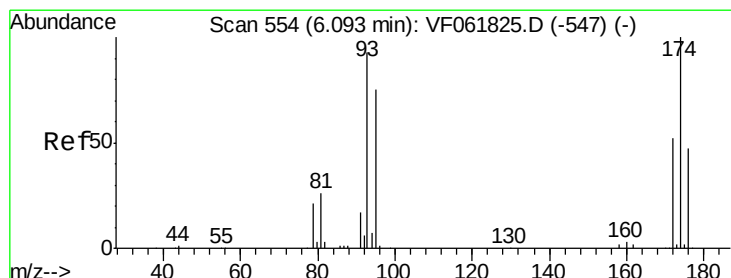
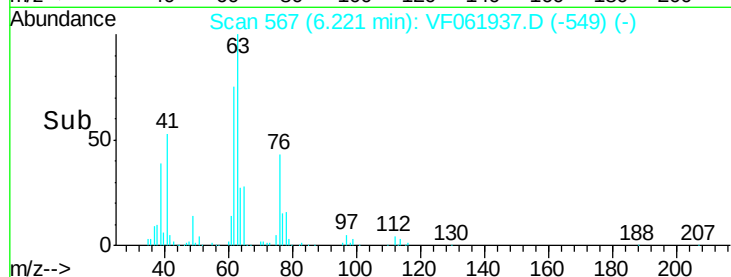
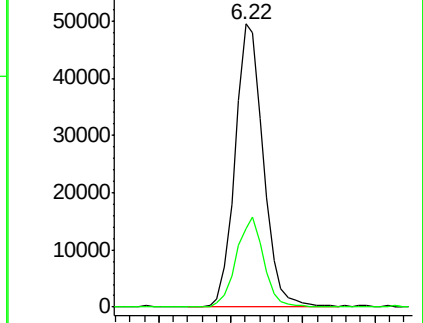
63 100

65 27.6 24.0 36.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 50.627 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

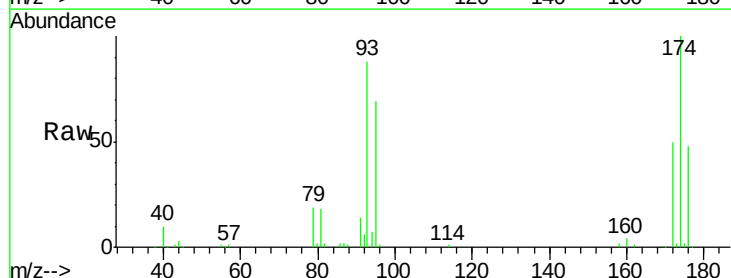
Tgt Ion: 93 Resp: 84300

Ion Ratio Lower Upper

93 100

95 79.3 64.4 96.6

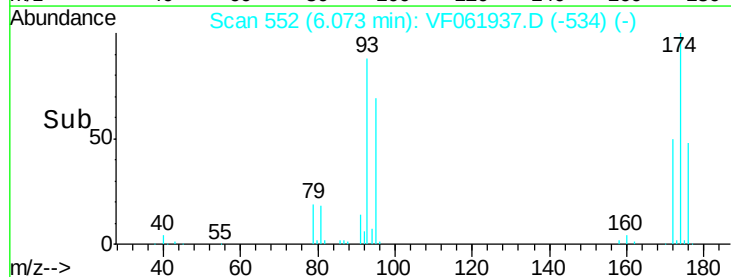
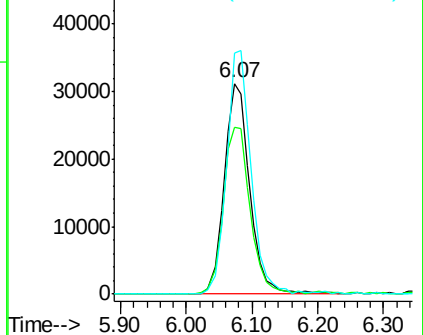
174 114.2 85.8 128.6

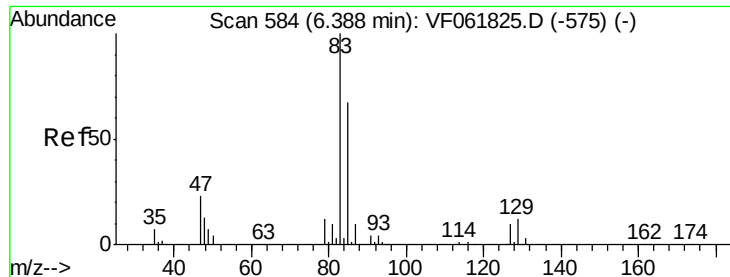


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 51.310 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

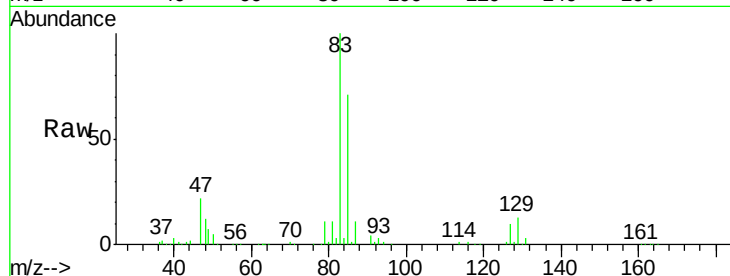
Tot Ion: 83 Resp: 188750

Ion Ratio Lower Upper

83 100

85 70.9 53.6 80.4

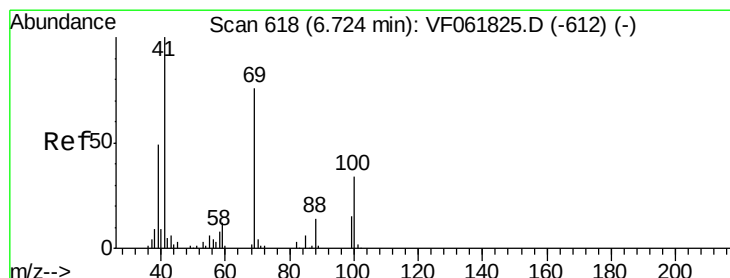
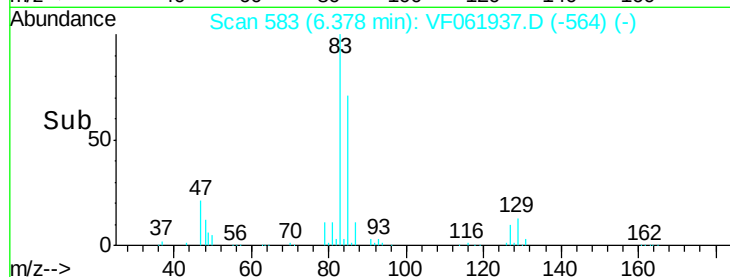
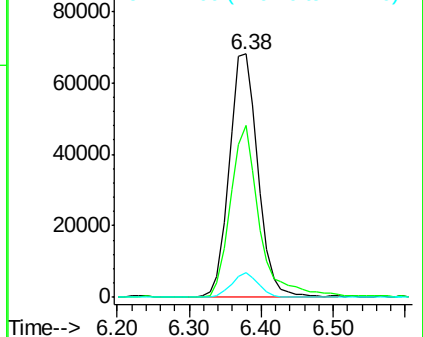
127 10.1 8.1 12.1



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: 50.718 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

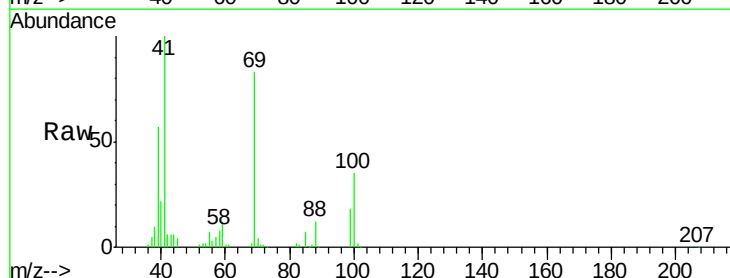
Tgt Ion: 41 Resp: 70690

Ion Ratio Lower Upper

41 100

69 83.3 60.4 90.6

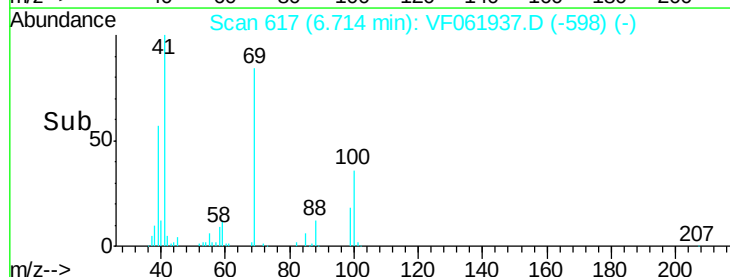
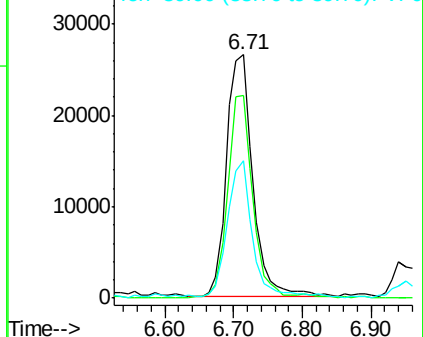
39 56.7 39.7 59.5

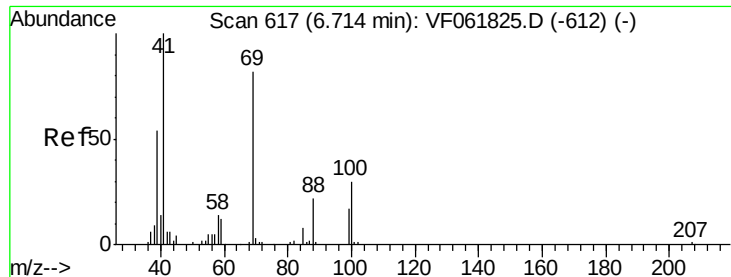


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

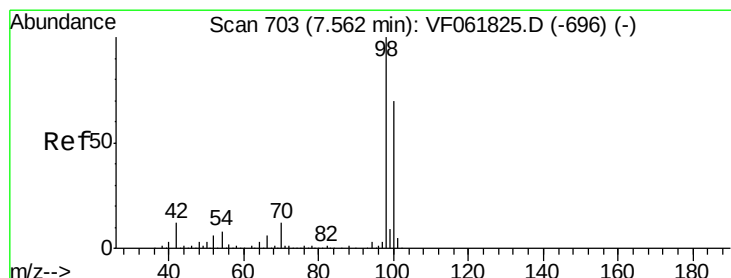
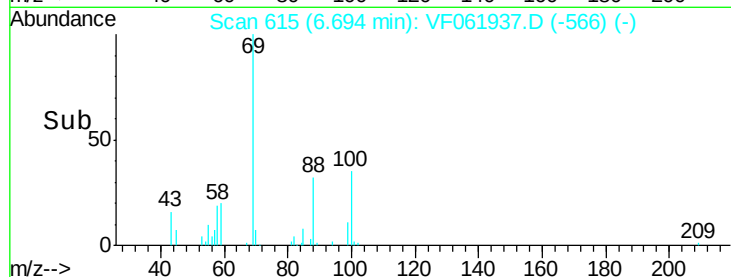
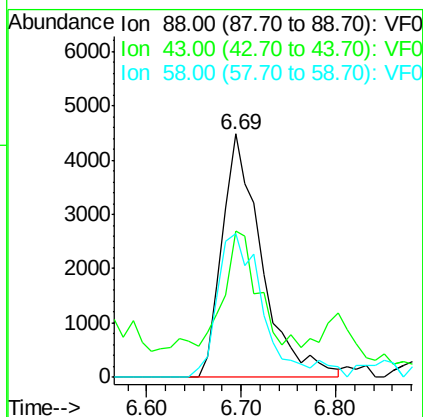
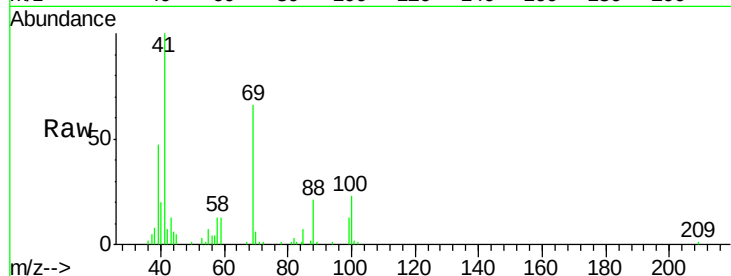




#49
1,4-Dioxane
Concen: 1023.215 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.02 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

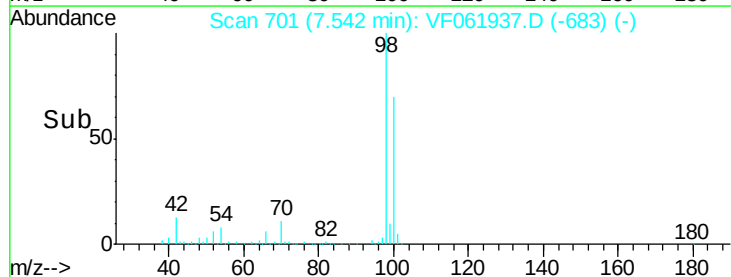
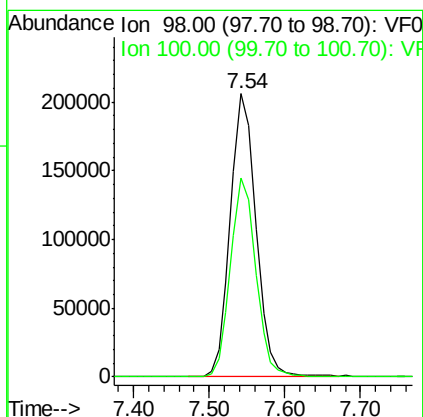
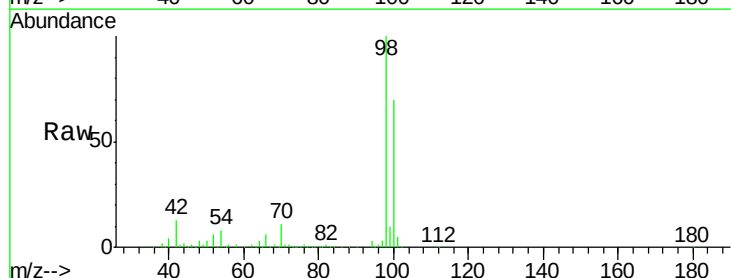
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

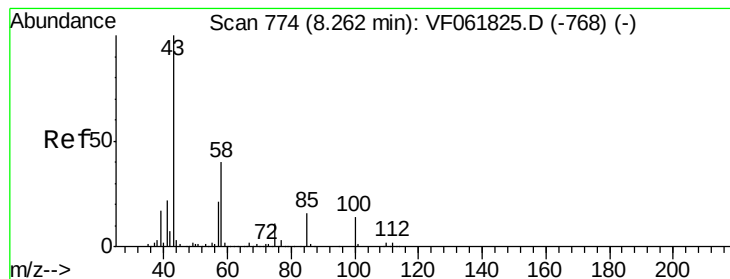
Tot Ion: 88 Resp: 13037
Ion Ratio Lower Upper
88 100
43 60.3 28.4 42.6#
58 59.1 50.7 76.1



#50
Toluene-d8
Concen: 51.924 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

Tgt Ion: 98 Resp: 485332
Ion Ratio Lower Upper
98 100
100 70.1 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 258.250 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

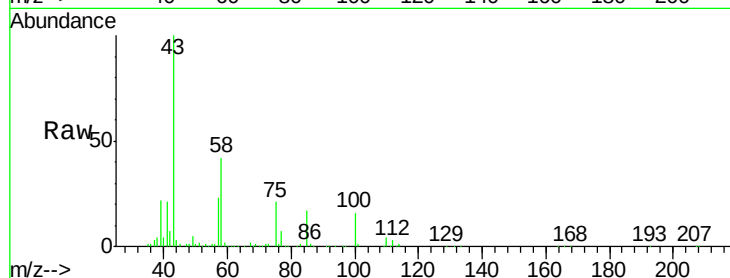
VSTDCCC050

Tot Ion: 43 Resp: 393079

Ion Ratio Lower Upper

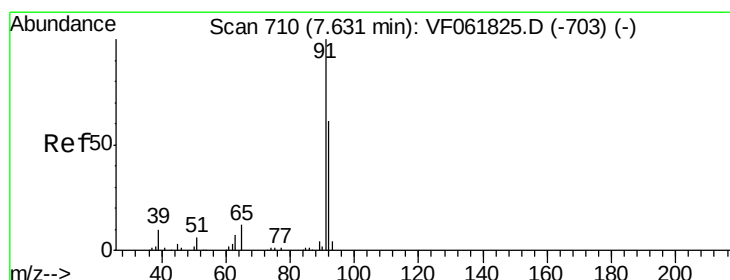
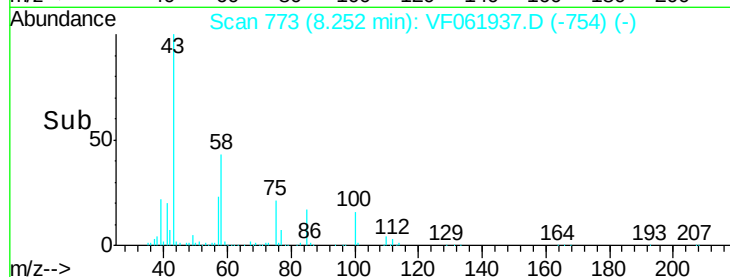
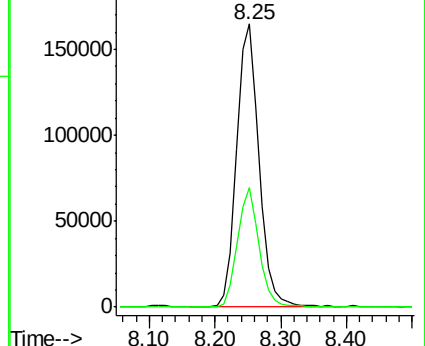
43 100

58 42.4 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: 48.632 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061937.D

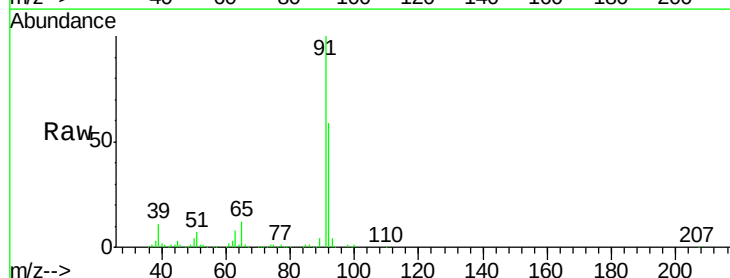
Acq: 14 Mar 2019 14:11

Tgt Ion: 92 Resp: 320091

Ion Ratio Lower Upper

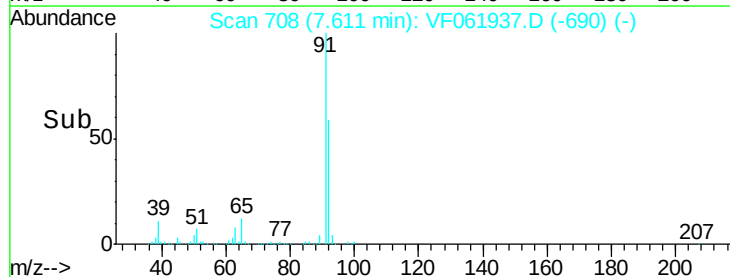
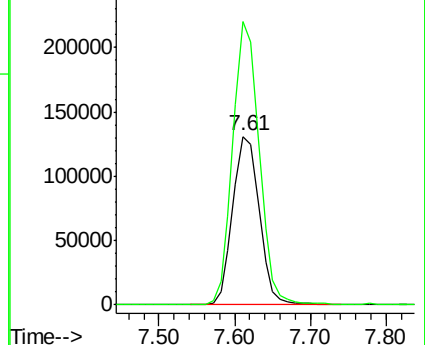
92 100

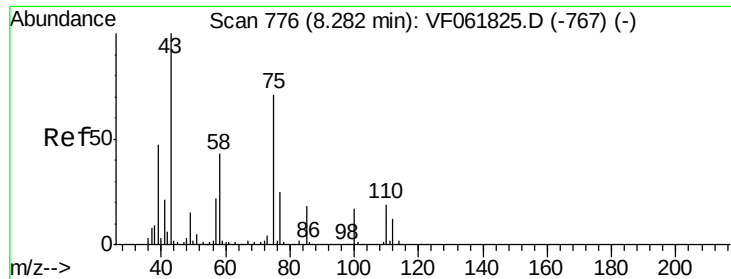
91 168.1 132.0 198.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

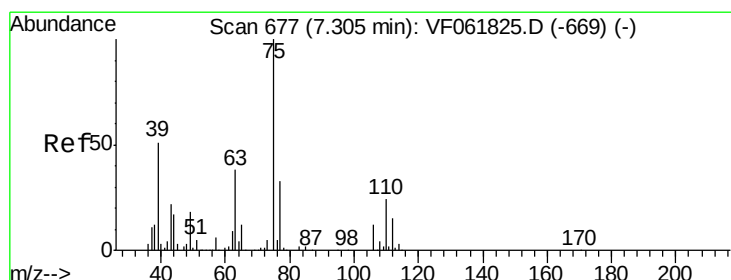
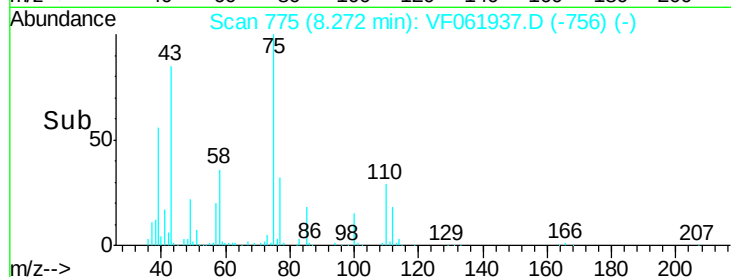
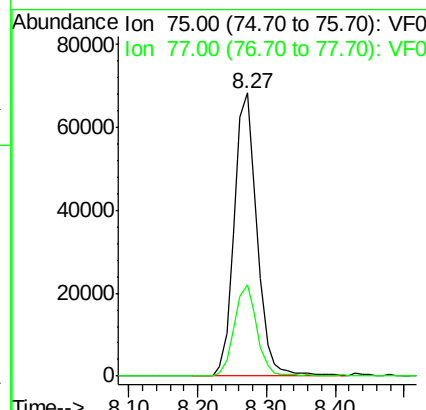
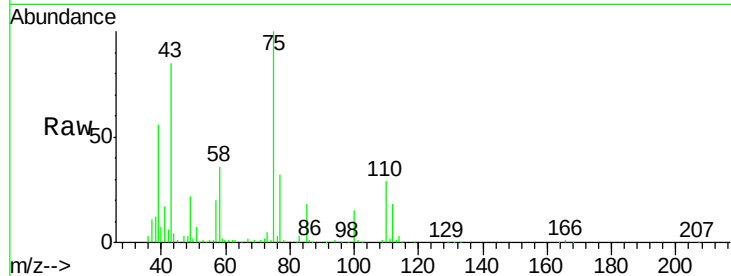




#53
t-1,3-Dichloropropene
Concen: 51.721 ug/l
RT: 8.27 min Scan# 775
Delta R.T. -0.01 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

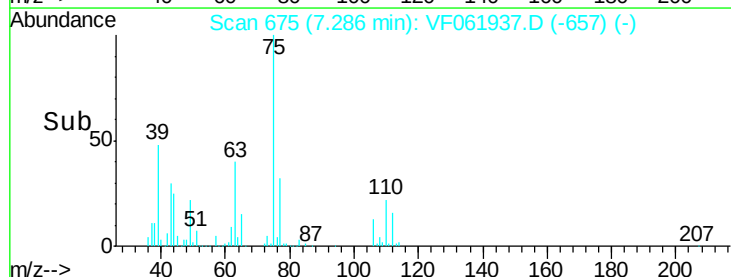
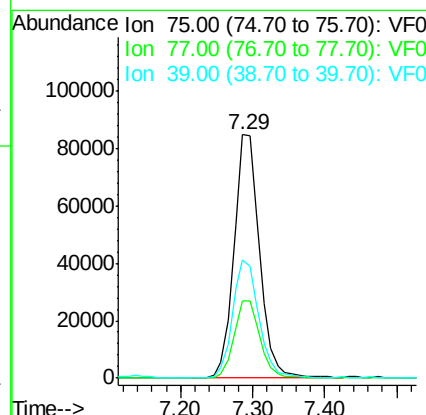
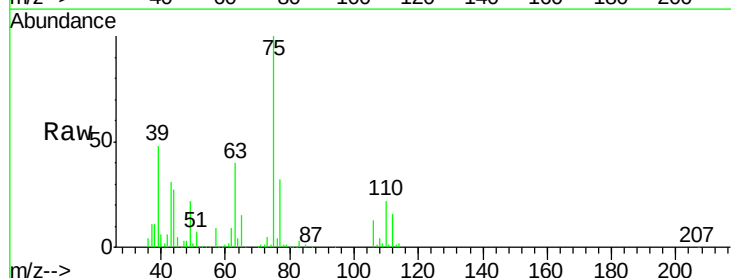
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

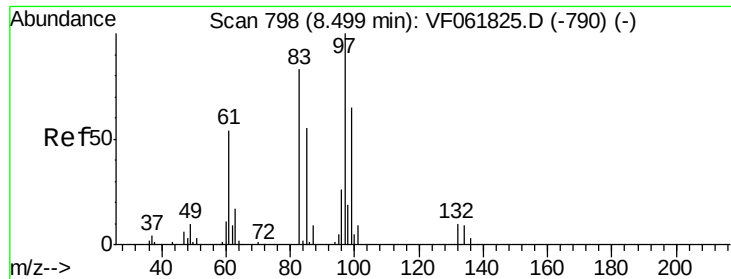
Tot Ion: 75 Resp: 157052
Ion Ratio Lower Upper
75 100
77 32.3 28.0 42.0



#54
cis-1,3-Dichloropropene
Concen: 50.169 ug/l
RT: 7.29 min Scan# 675
Delta R.T. -0.02 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

Tgt Ion: 75 Resp: 210125
Ion Ratio Lower Upper
75 100
77 31.7 26.3 39.5
39 48.4 40.8 61.2





#55

1,1,2-Trichloroethane

Concen: 49.696 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 94245

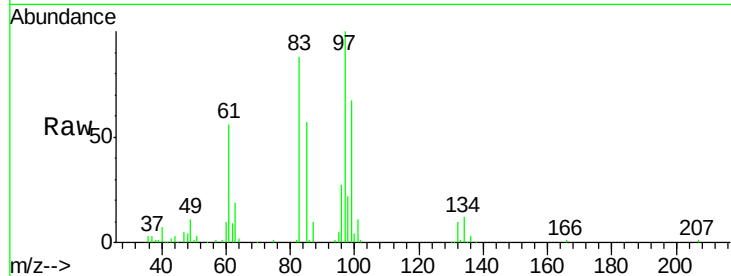
Ion Ratio Lower Upper

97 100

83 87.6 66.5 99.7

85 56.7 44.2 66.2

99 66.5 51.8 77.6

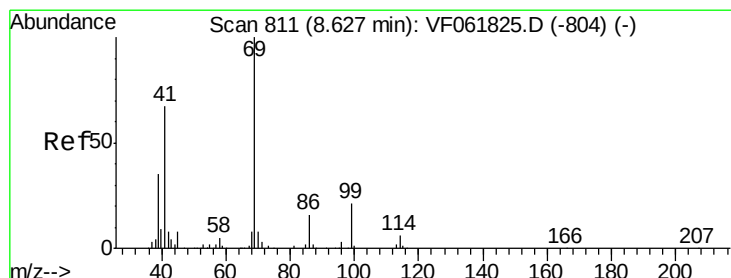
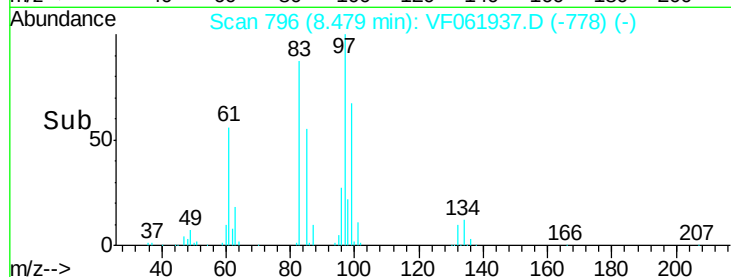
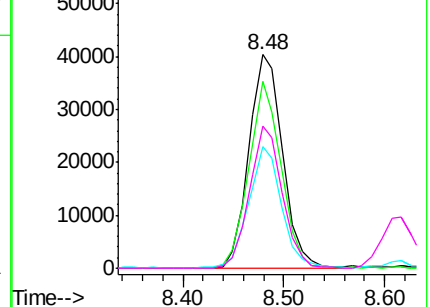


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 48.473 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

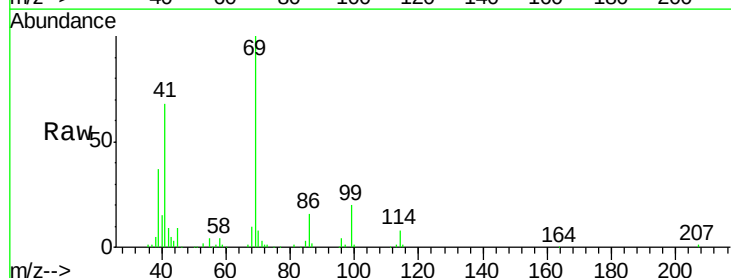
Tgt Ion: 69 Resp: 103599

Ion Ratio Lower Upper

69 100

41 67.6 53.9 80.9

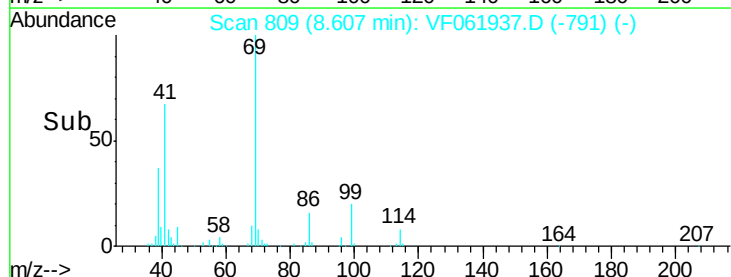
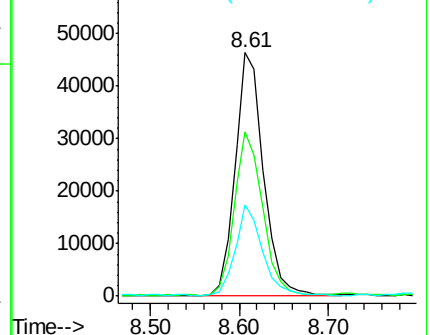
39 37.4 28.3 42.5

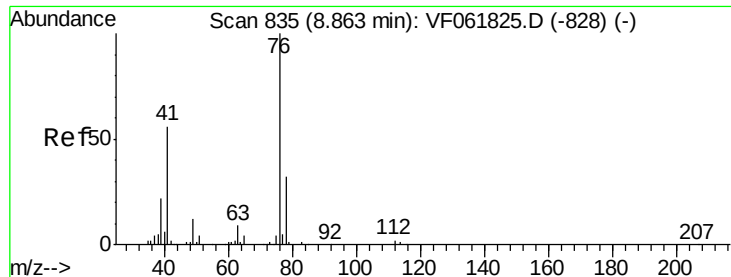


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 50.944 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

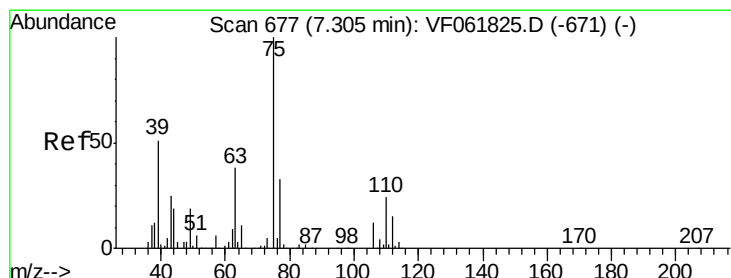
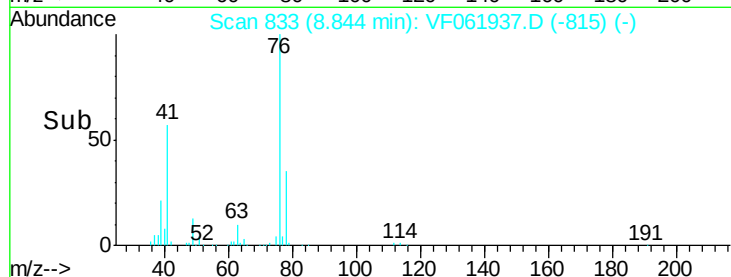
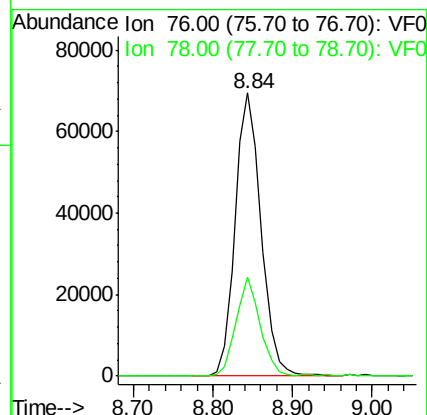
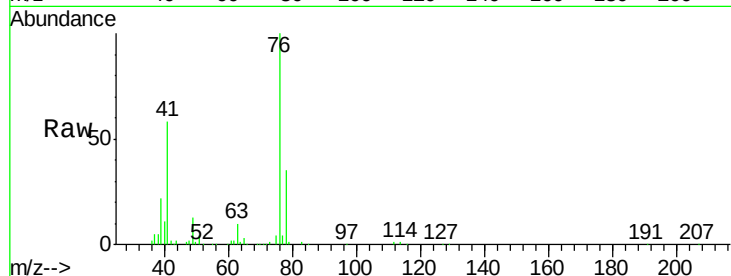
VSTDCCC050

Tot Ion: 76 Resp: 157996

Ion Ratio Lower Upper

76 100

78 34.8 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 242.346 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF061937.D

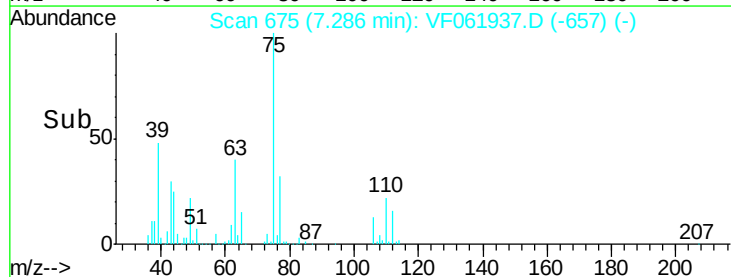
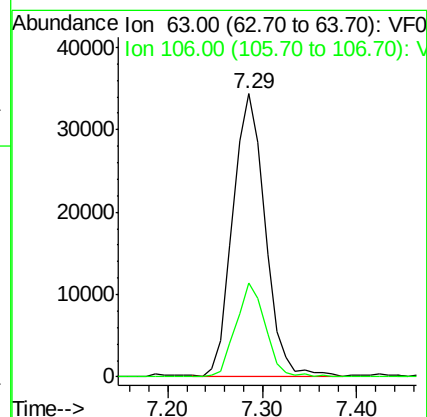
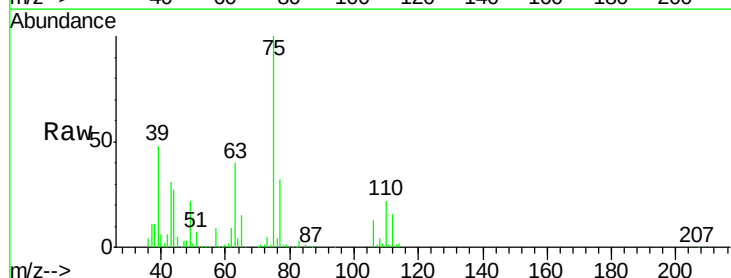
Acq: 14 Mar 2019 14:11

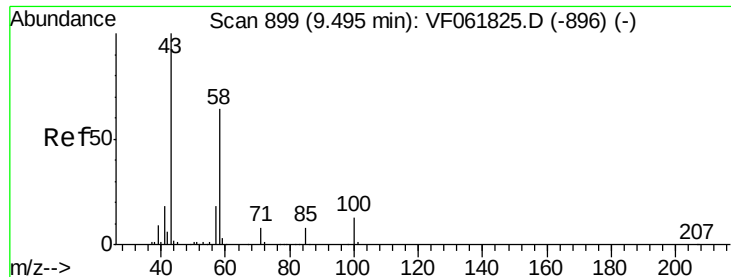
Tgt Ion: 63 Resp: 81936

Ion Ratio Lower Upper

63 100

106 33.3 24.3 36.5

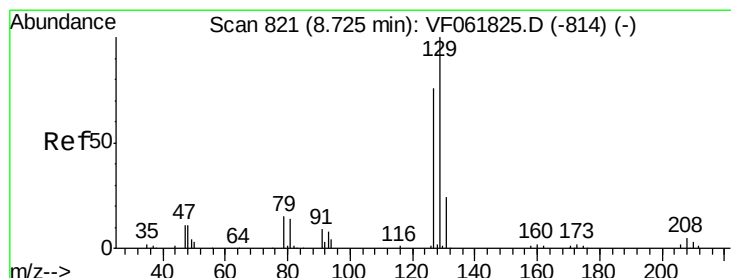
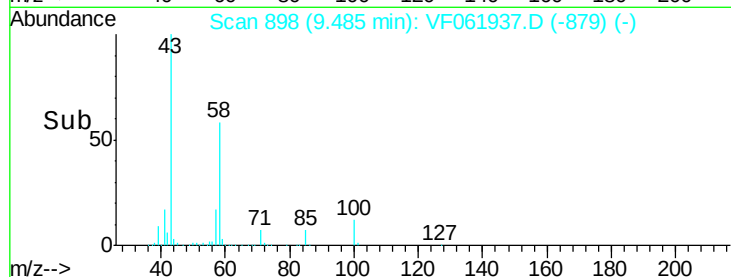
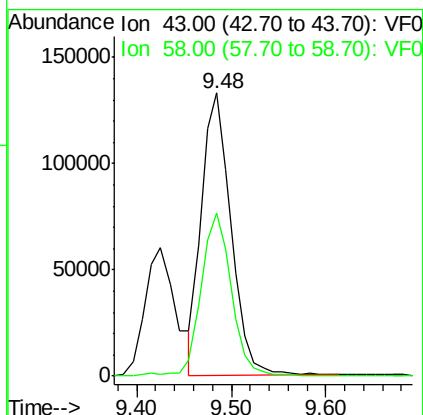
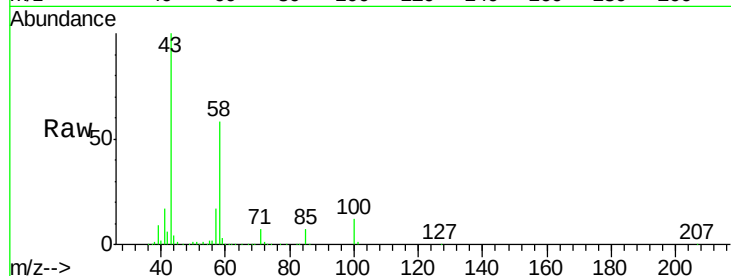




#59
2-Hexanone
Concen: 262.593 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

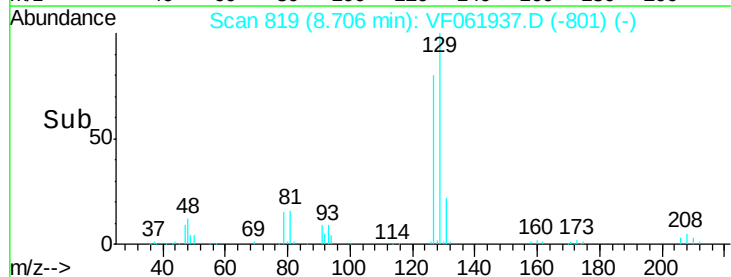
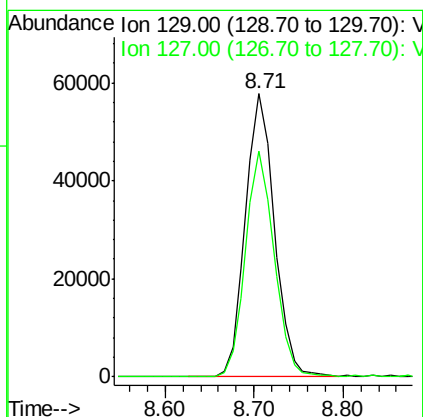
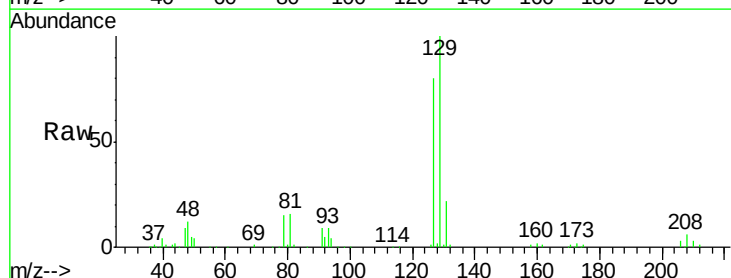
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

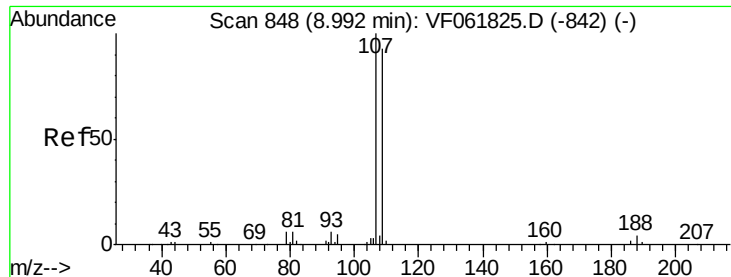
Tot Ion: 43 Resp: 288342
Ion Ratio Lower Upper
43 100
58 57.6 28.8 86.4



#60
Dibromochloromethane
Concen: 48.295 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.02 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

Tgt Ion: 129 Resp: 130537
Ion Ratio Lower Upper
129 100
127 79.6 38.2 114.6





#61

1,2-Dibromoethane

Concen: 49.317 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

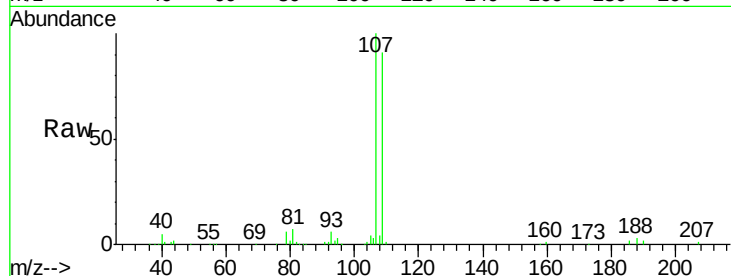
VSTDCCC050

Tot Ion:107 Resp: 102848

Ion Ratio Lower Upper

107 100

109 91.3 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.98

50000

40000

30000

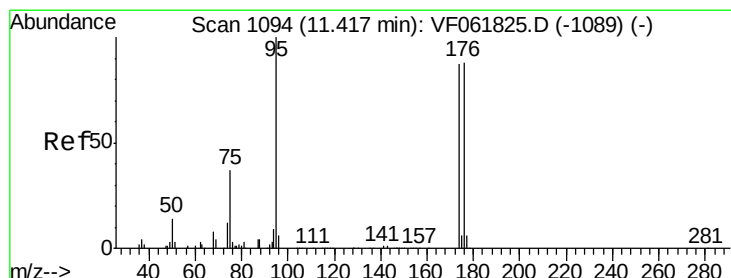
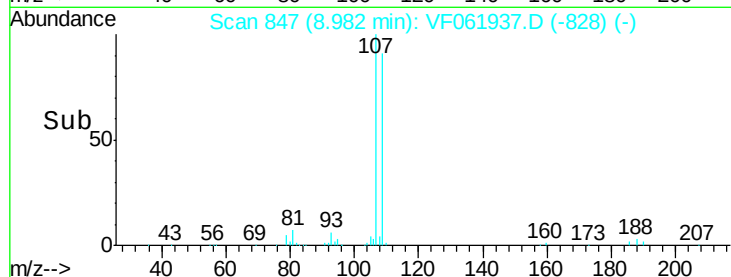
20000

10000

0

8.90 9.00 9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 47.022 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

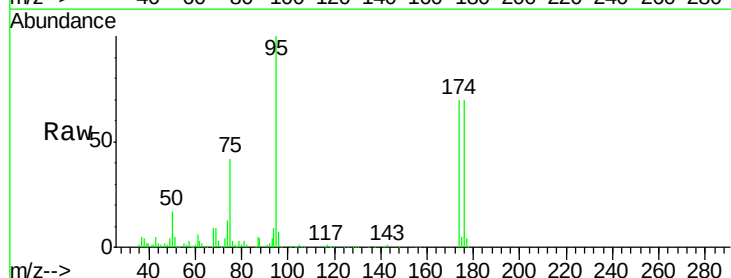
Tgt Ion: 95 Resp: 172169

Ion Ratio Lower Upper

95 100

174 69.9 0.0 174.0

176 69.5 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

120000

100000

80000

60000

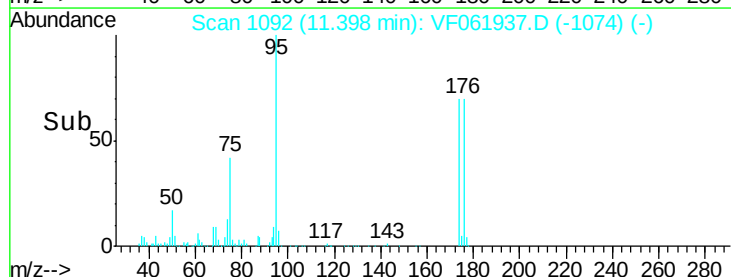
40000

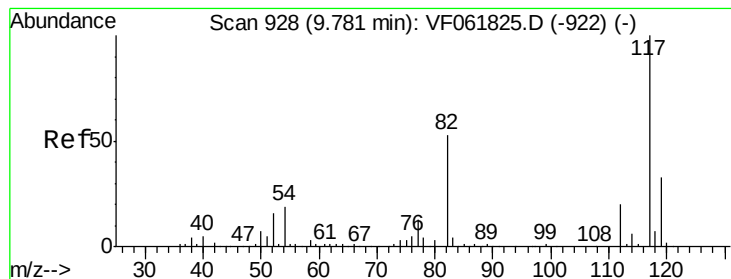
20000

0

11.30 11.40 11.50

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

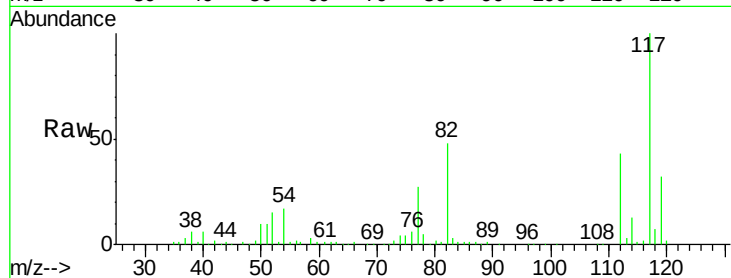
Tot Ion:117 Resp: 379247

Ion Ratio Lower Upper

117 100

82 48.3 42.6 63.8

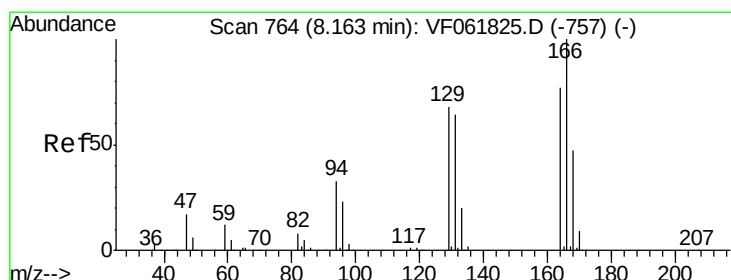
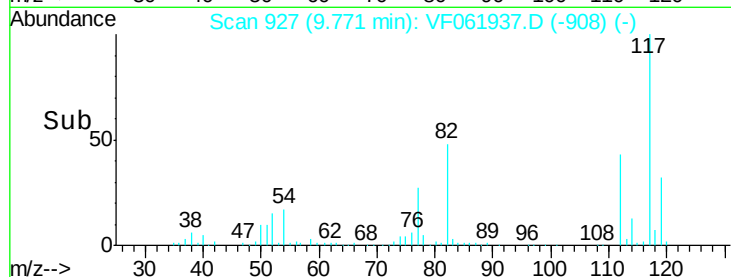
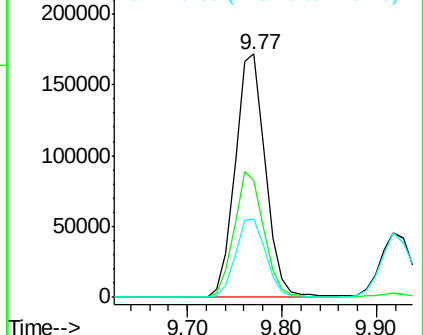
119 32.4 26.0 39.0



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: 50.273 ug/l

RT: 8.14 min Scan# 762

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Tgt Ion:164 Resp: 146502

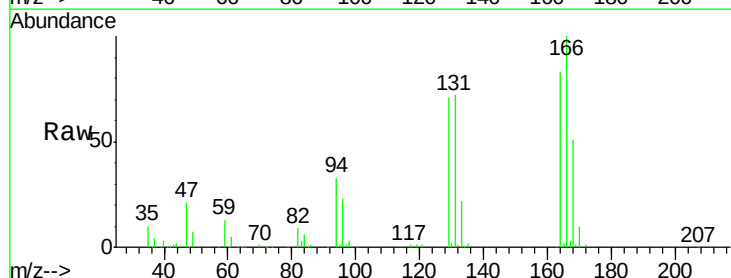
Ion Ratio Lower Upper

164 100

166 120.3 103.4 155.0

129 85.3 69.9 104.9

131 86.4 66.4 99.6

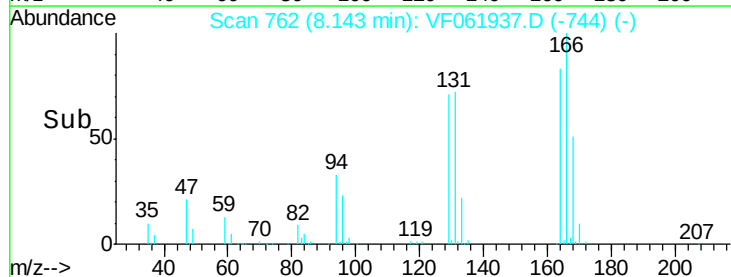
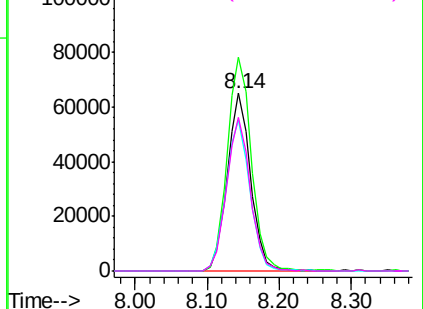


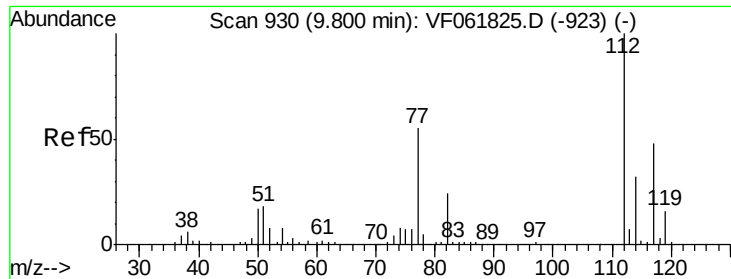
Abundance Ion 163.85 (163.55 to 164.55): V

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: 50.736 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

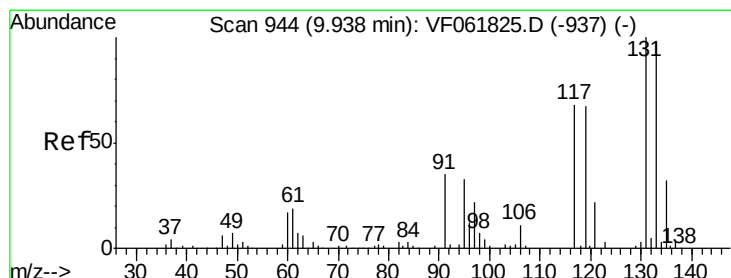
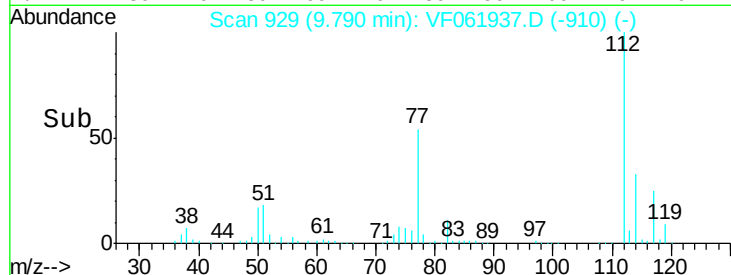
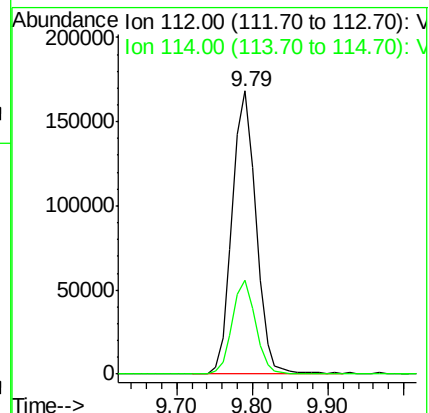
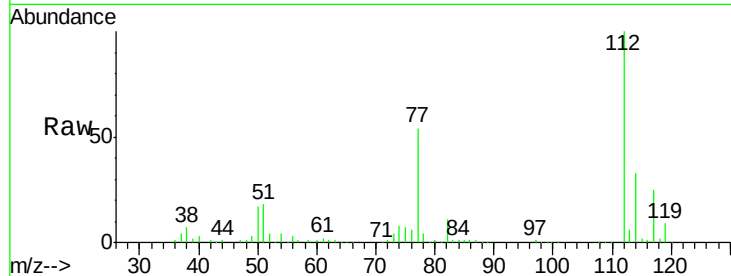
VSTDCCC050

Tot Ion:112 Resp: 369675

Ion Ratio Lower Upper

112 100

114 33.3 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 52.479 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

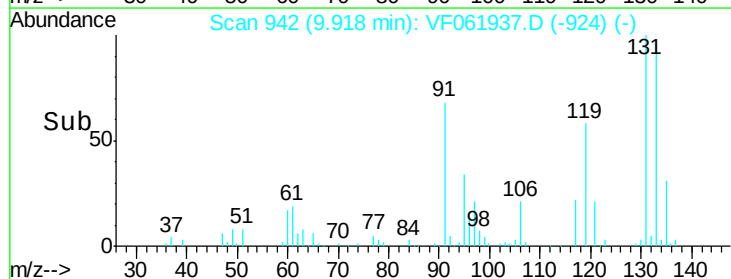
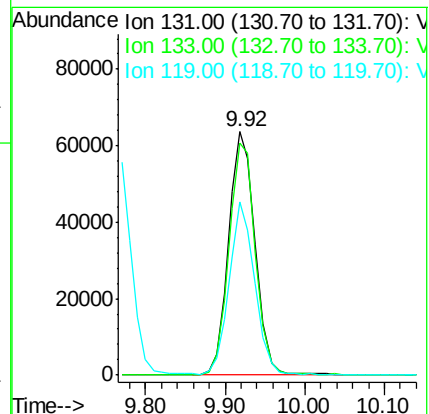
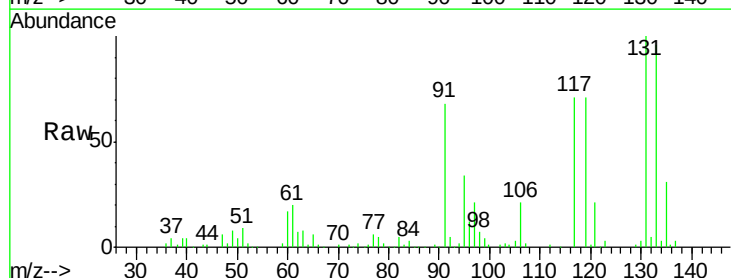
Tgt Ion:131 Resp: 148148

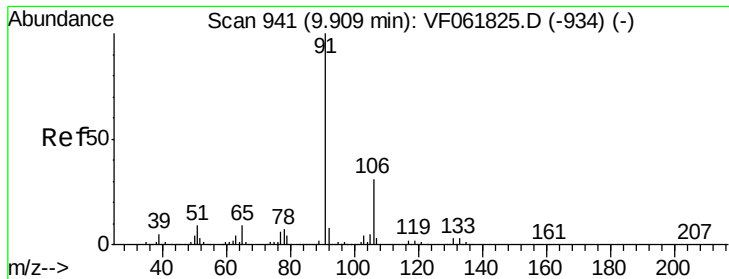
Ion Ratio Lower Upper

131 100

133 95.5 48.9 146.7

119 71.4 33.6 100.8





#67

Ethyl Benzene

Concen: 51.515 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

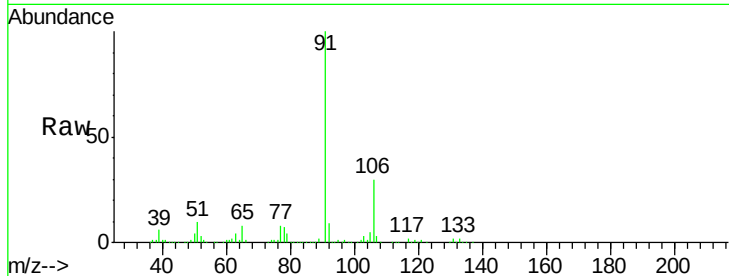
VSTDCCC050

Tot Ion: 91 Resp: 622123

Ion Ratio Lower Upper

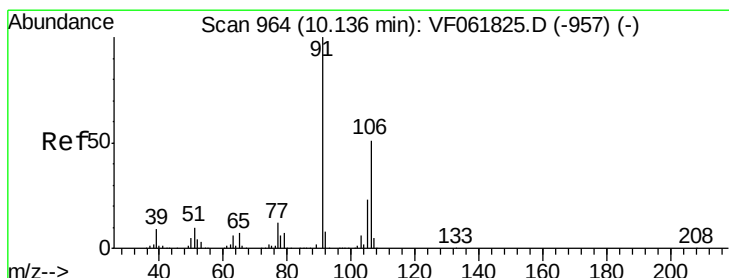
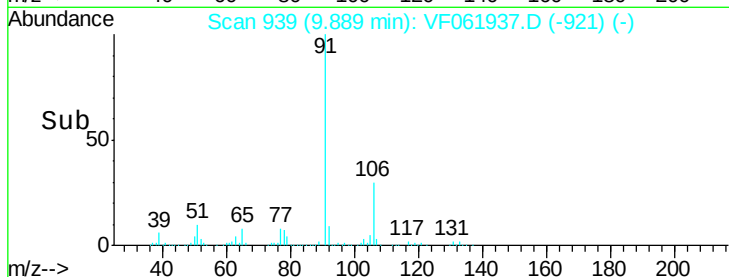
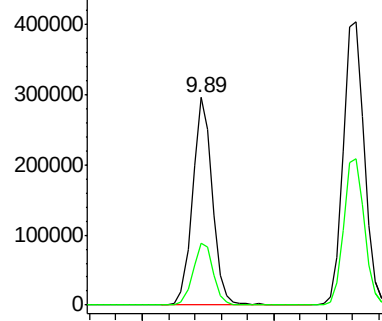
91 100

106 30.1 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 100.340 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF061937.D

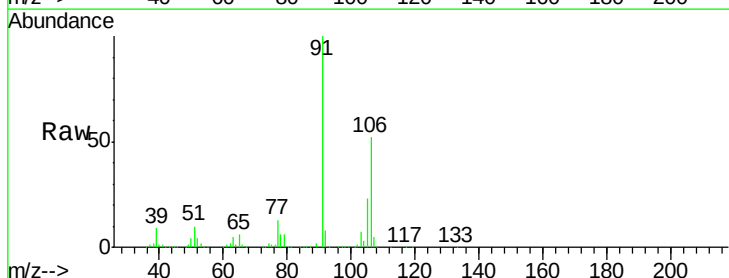
Acq: 14 Mar 2019 14:11

Tgt Ion: 106 Resp: 464207

Ion Ratio Lower Upper

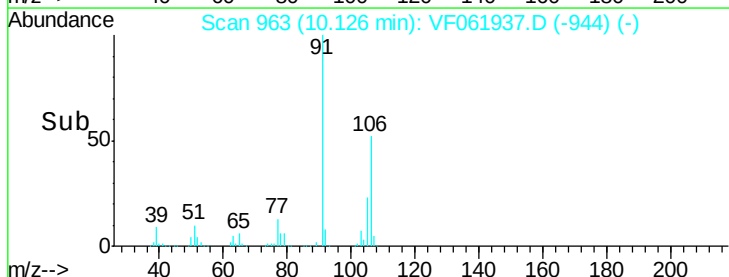
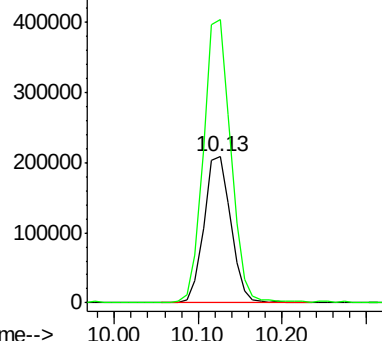
106 100

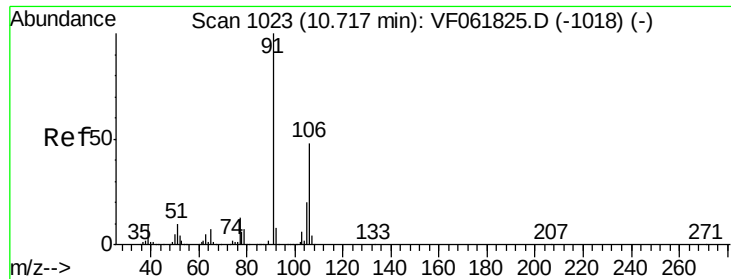
91 193.5 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

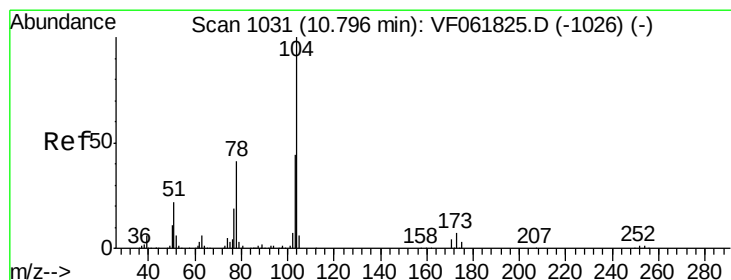
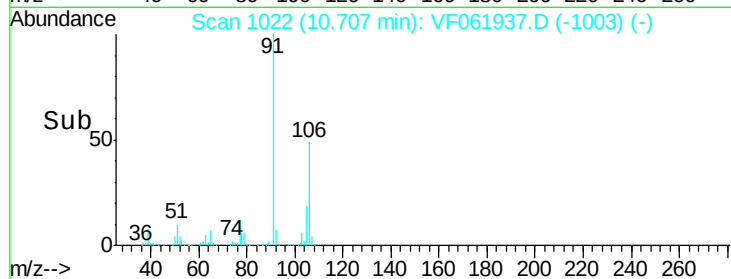
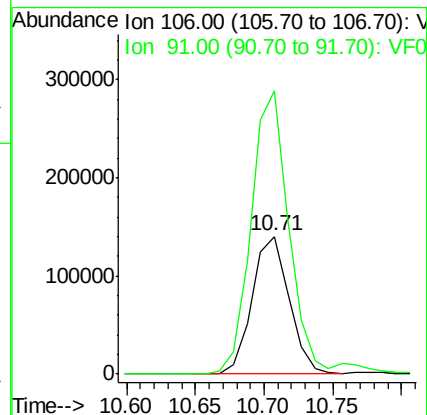
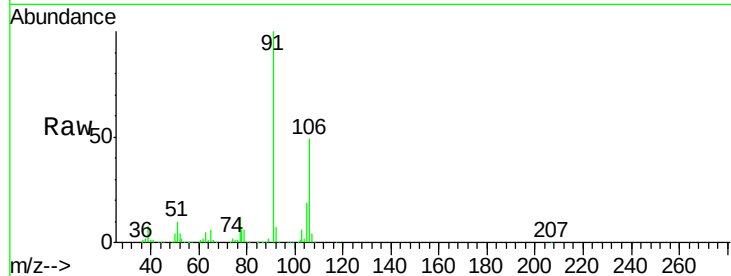




#69
o-Xylene
Concen: 53.232 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

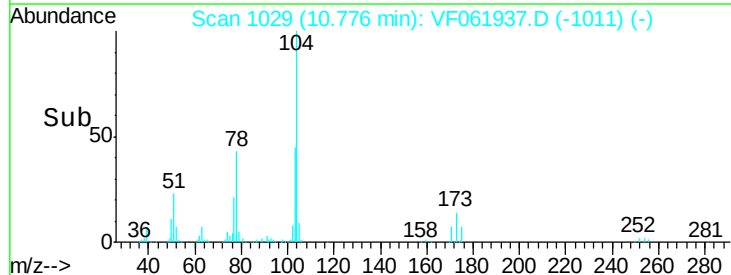
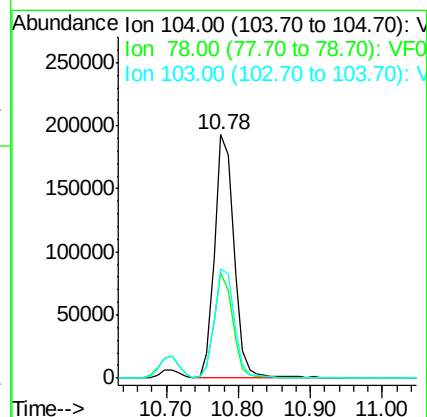
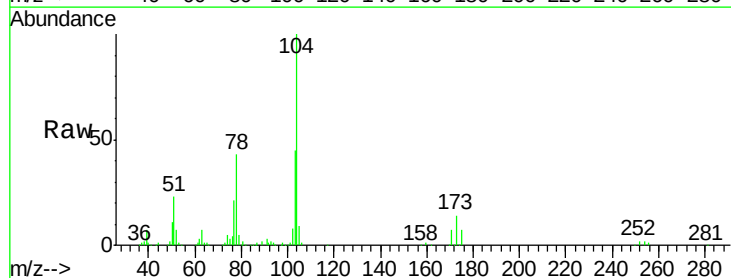
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

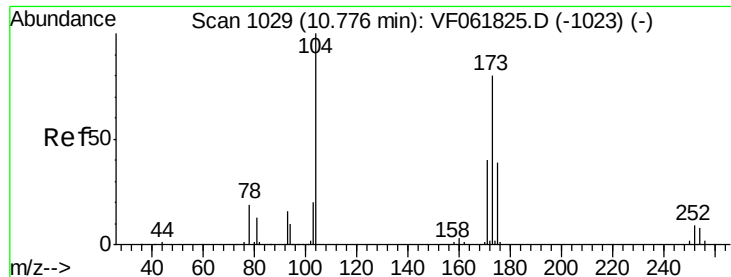
Tot Ion:106 Resp: 265187
Ion Ratio Lower Upper
106 100
91 205.5 103.5 310.3



#70
Styrene
Concen: 51.060 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

Tgt Ion:104 Resp: 357976
Ion Ratio Lower Upper
104 100
78 43.1 33.3 49.9
103 45.1 35.4 53.0





#71

Bromoform

Concen: 49.373 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

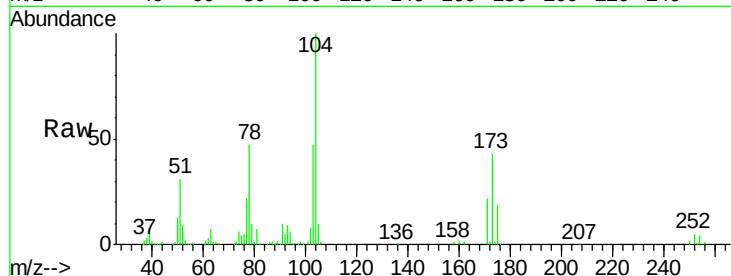
Tot Ion:173 Resp: 73664

Ion Ratio Lower Upper

173 100

175 45.0 24.5 73.5

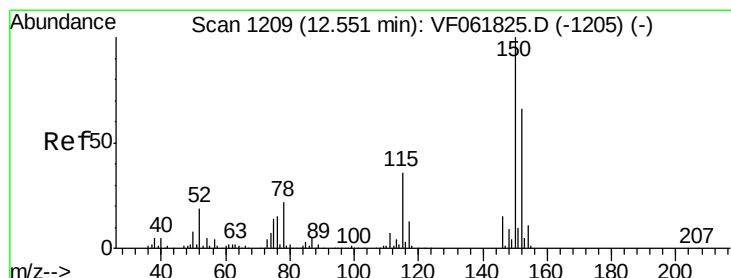
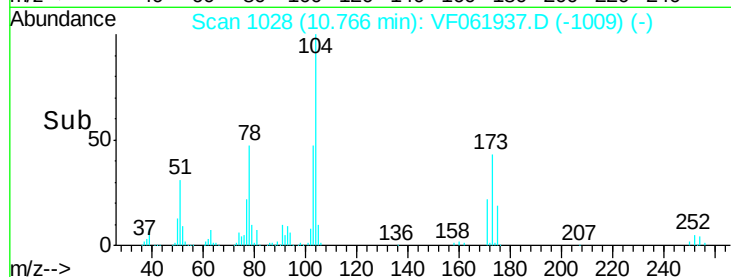
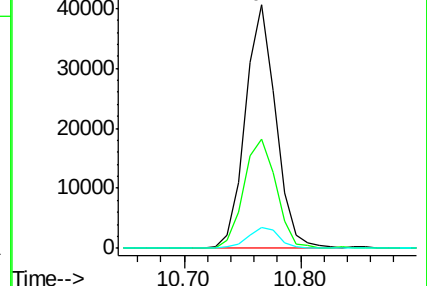
254 8.6 8.0 12.0



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: VF061937.D

Acq: 14 Mar 2019 14:11

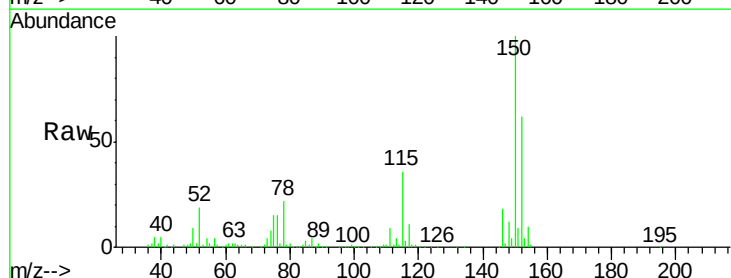
Tgt Ion:152 Resp: 199816

Ion Ratio Lower Upper

152 100

115 57.7 27.7 83.1

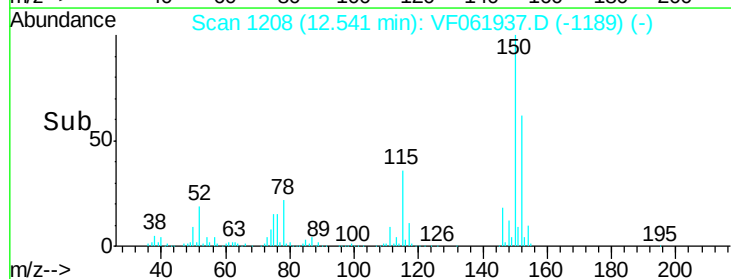
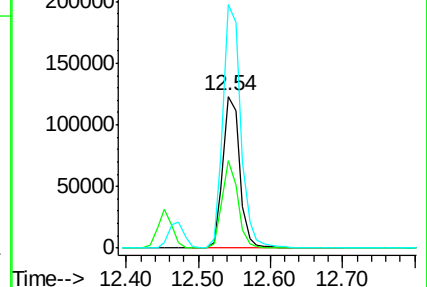
150 160.3 0.0 304.2

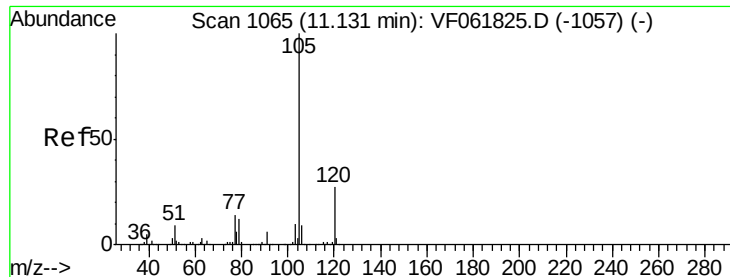


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 51.011 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

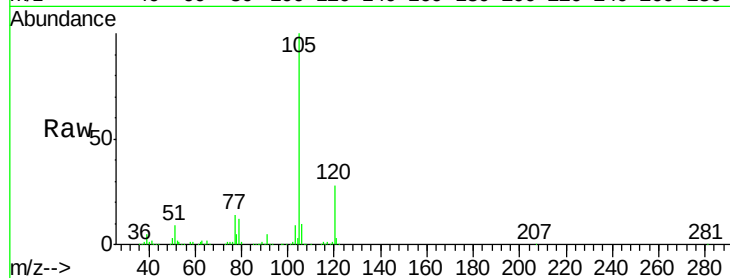
VSTDCCC050

Tot Ion:105 Resp: 701719

Ion Ratio Lower Upper

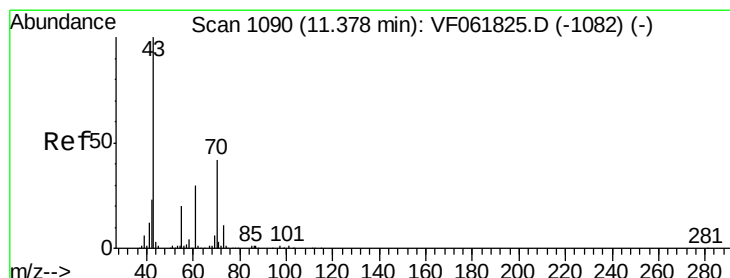
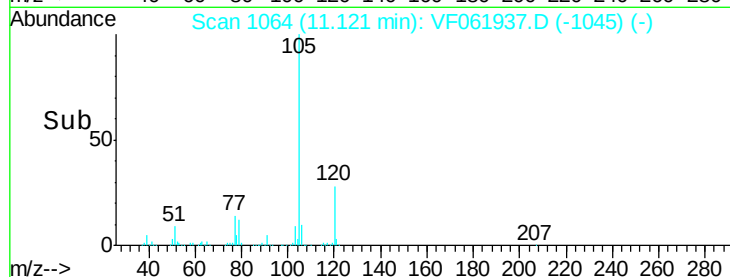
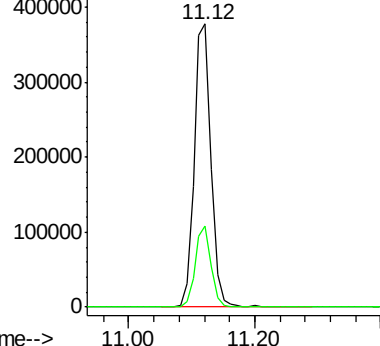
105 100

120 28.4 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.079 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Tgt Ion: 43 Resp: 171264

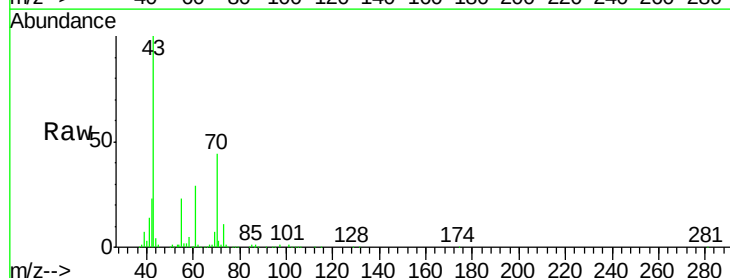
Ion Ratio Lower Upper

43 100

70 44.2 33.4 50.0

55 22.6 16.3 24.5

61 29.2 24.0 36.0

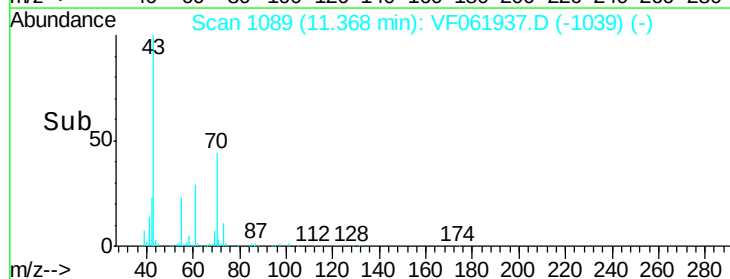
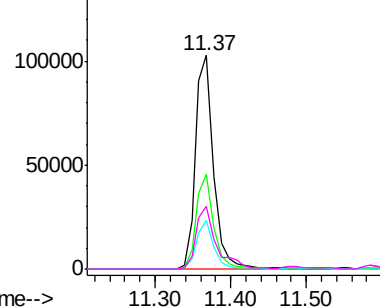


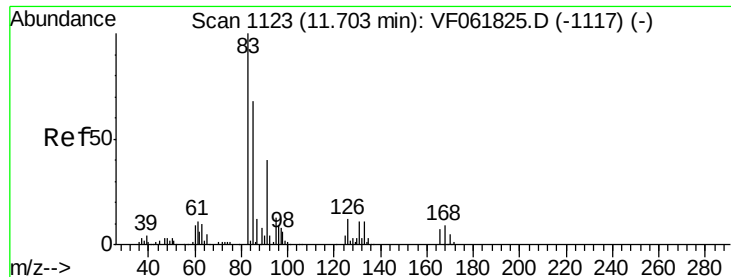
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 51.653 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

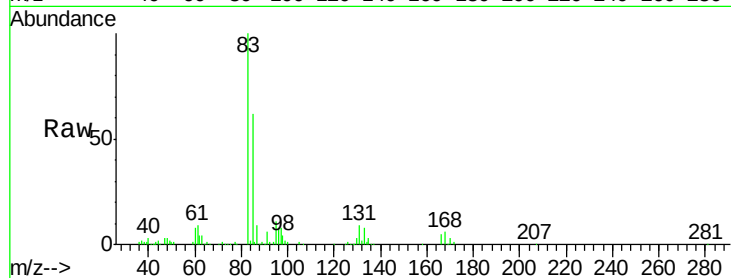
Tot Ion: 83 Resp: 118095

Ion Ratio Lower Upper

83 100

131 8.8 5.5 16.7

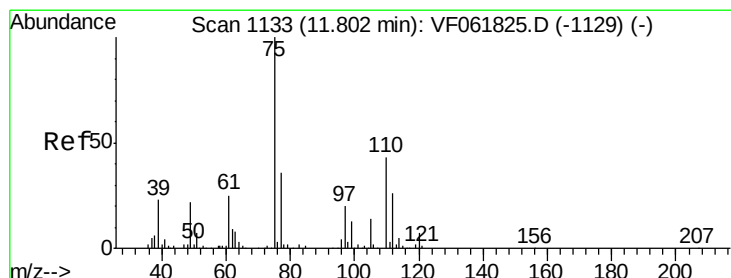
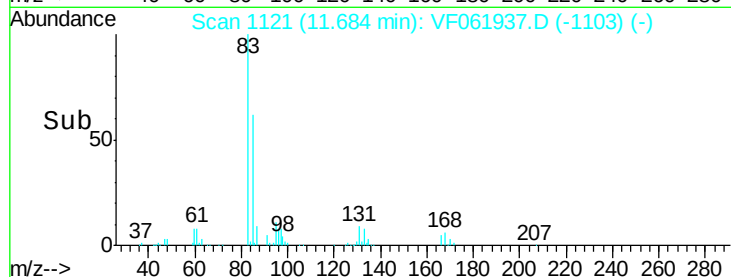
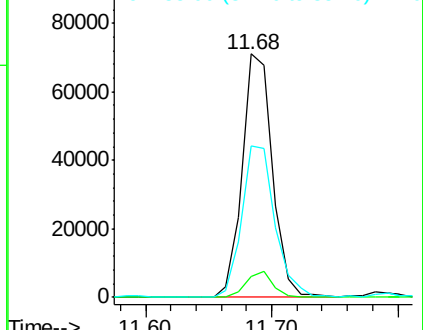
85 62.4 34.2 102.6



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: 52.235 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF061937.D

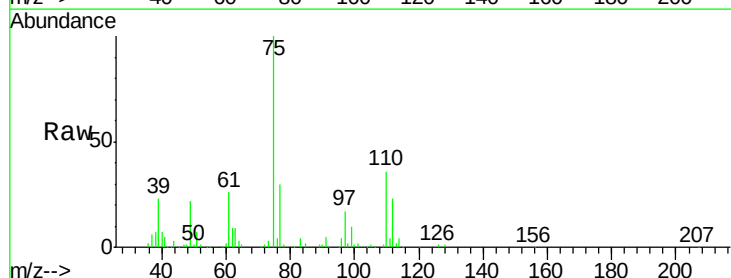
Acq: 14 Mar 2019 14:11

Tgt Ion: 75 Resp: 81509

Ion Ratio Lower Upper

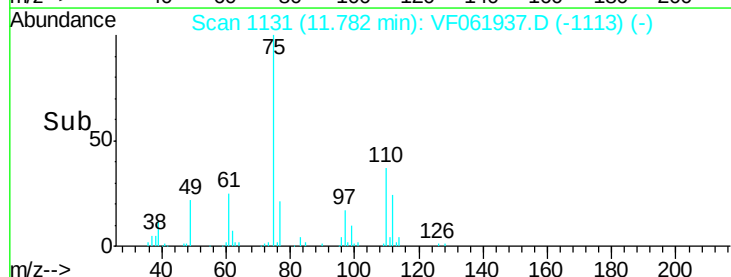
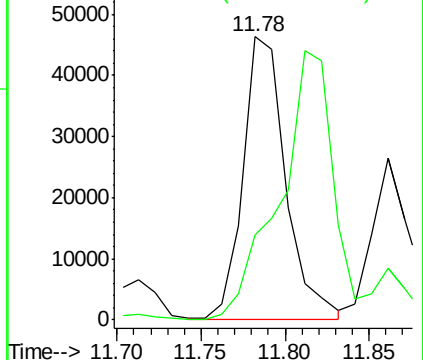
75 100

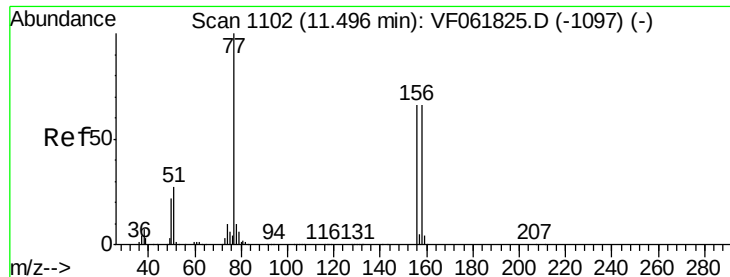
77 30.0 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 49.742 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

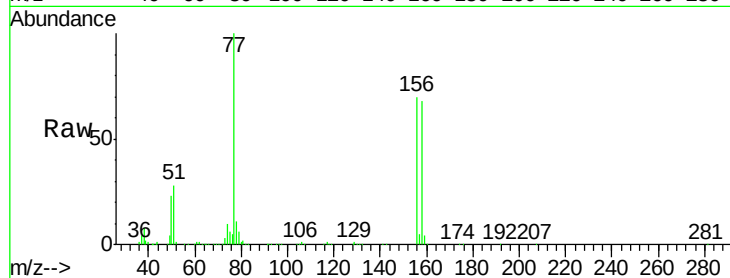
Tot Ion:156 Resp: 164680

Ion Ratio Lower Upper

156 100

77 143.7 75.7 227.1

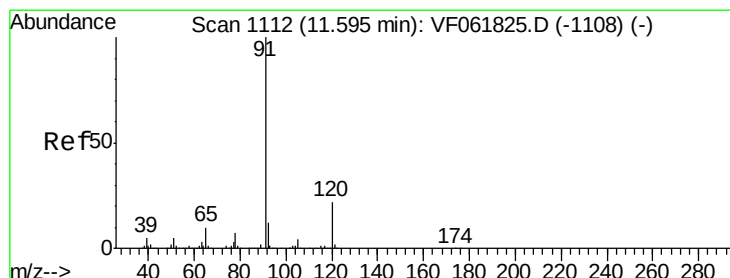
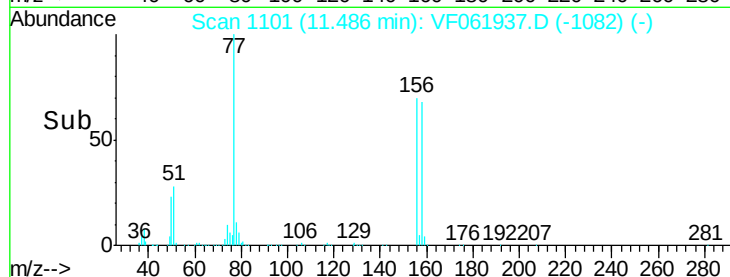
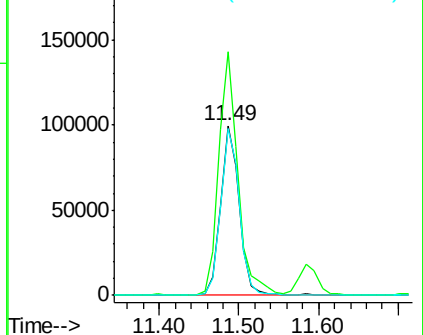
158 98.3 50.0 150.1



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: 50.926 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF061937.D

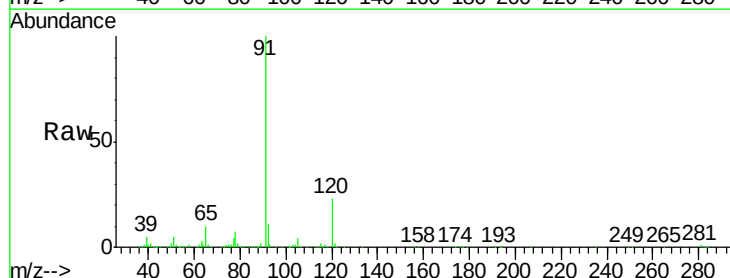
Acq: 14 Mar 2019 14:11

Tgt Ion: 91 Resp: 791123

Ion Ratio Lower Upper

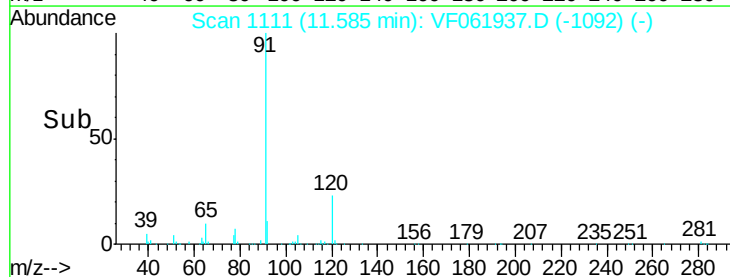
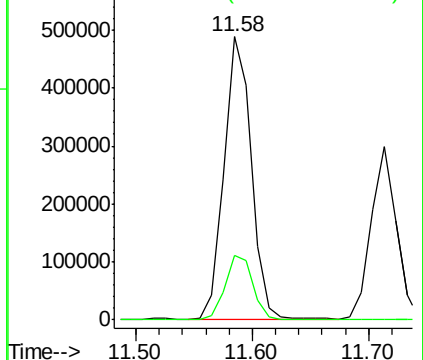
91 100

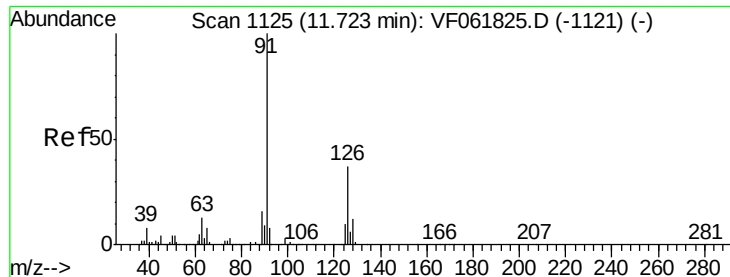
120 22.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

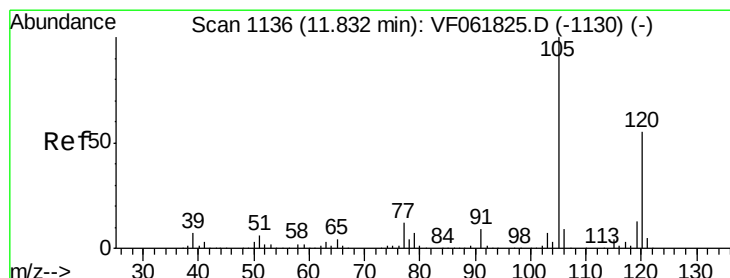
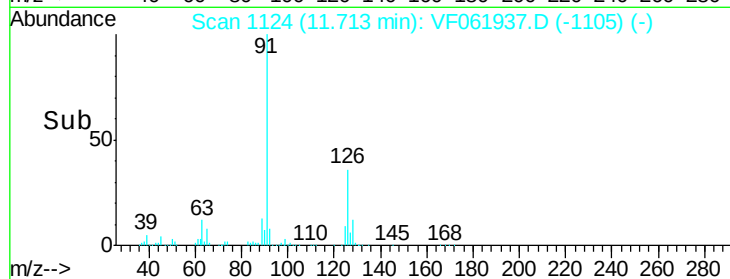
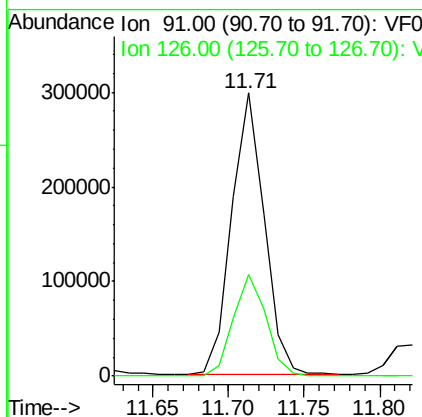
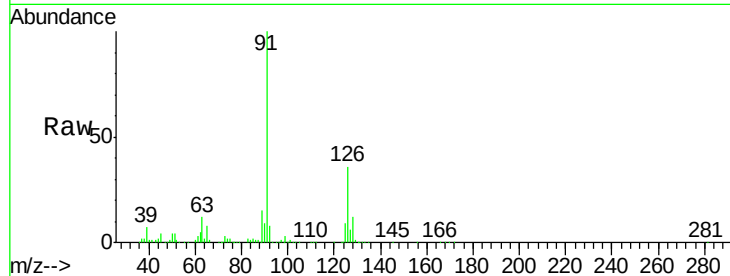




#79
 2-Chlorotoluene
 Concen: 50.317 ug/l
 RT: 11.71 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: VF061937.D
 Acq: 14 Mar 2019 14:11

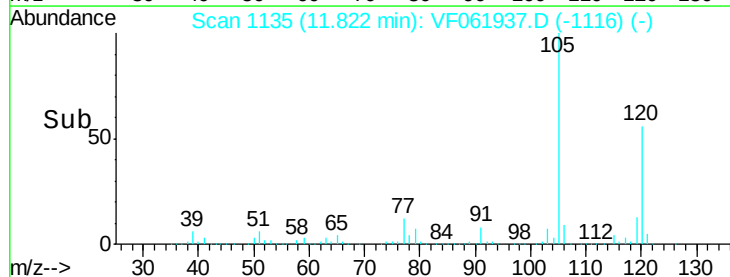
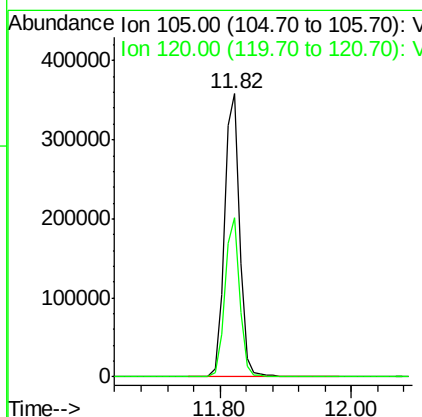
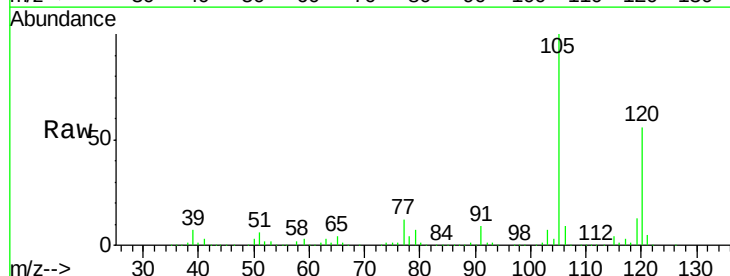
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

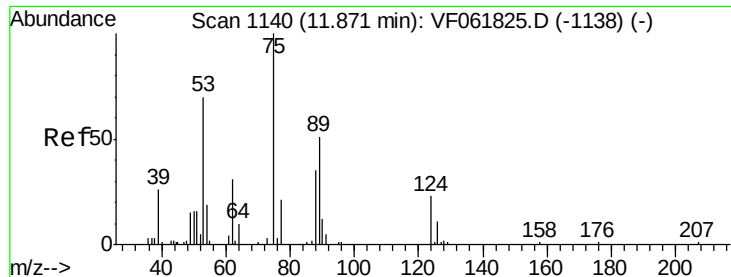
Tot Ion: 91 Resp: 446890
 Ion Ratio Lower Upper
 91 100
 126 35.8 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 52.388 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VF061937.D
 Acq: 14 Mar 2019 14:11

Tgt Ion: 105 Resp: 578600
 Ion Ratio Lower Upper
 105 100
 120 56.2 27.4 82.2





#81

trans-1,4-Dichloro-2-butene

Concen: 71.975 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

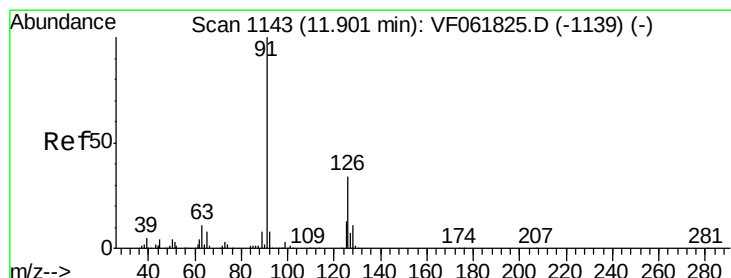
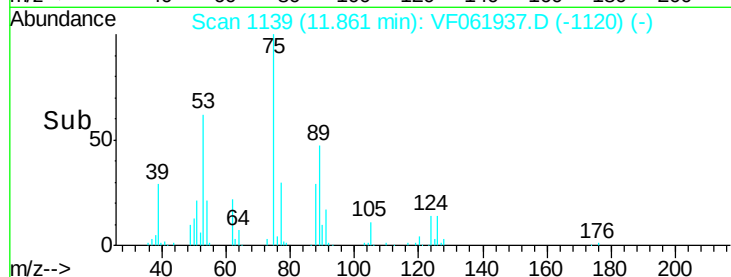
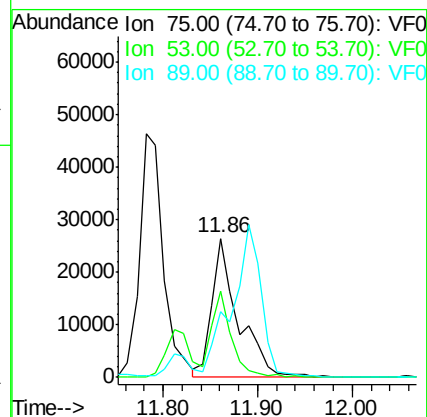
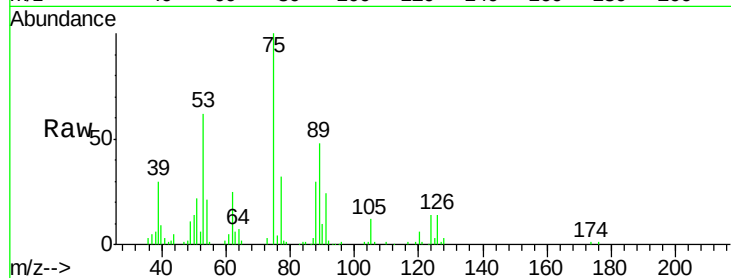
Tot Ion: 75 Resp: 51357

Ion Ratio Lower Upper

75 100

53 62.3 58.6 88.0

89 47.5 41.4 62.0



#82

4-Chlorotoluene

Concen: 50.415 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF061937.D

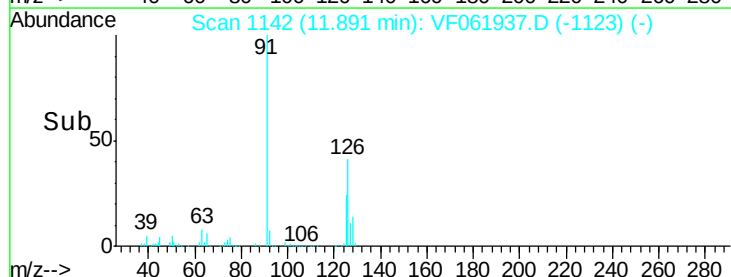
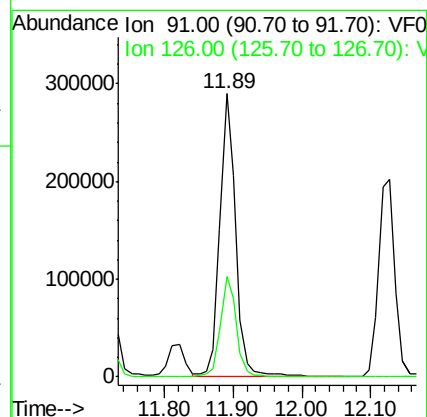
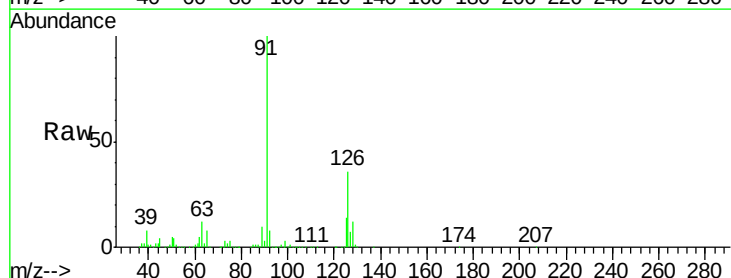
Acq: 14 Mar 2019 14:11

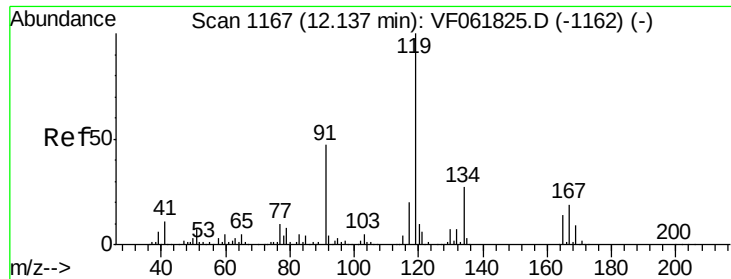
Tgt Ion: 91 Resp: 457988

Ion Ratio Lower Upper

91 100

126 35.6 17.0 50.9

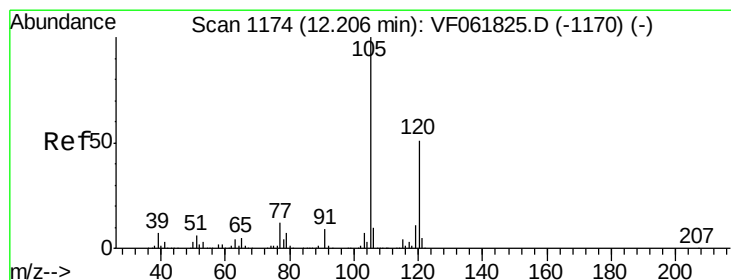
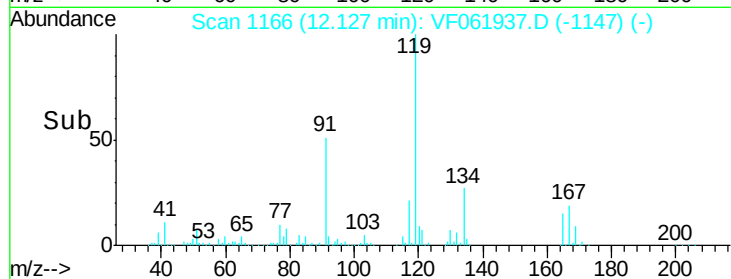
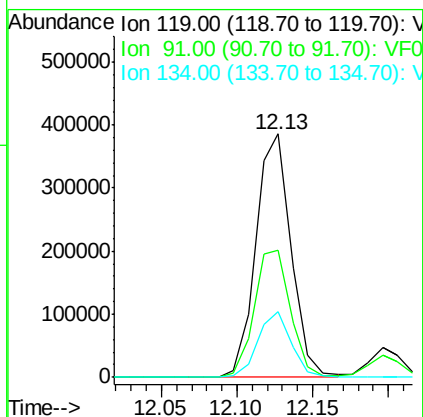
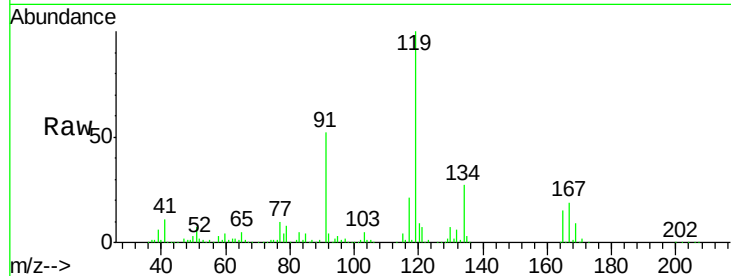




#83
 tert-Butylbenzene
 Concen: 53.435 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: VF061937.D
 Acq: 14 Mar 2019 14:11

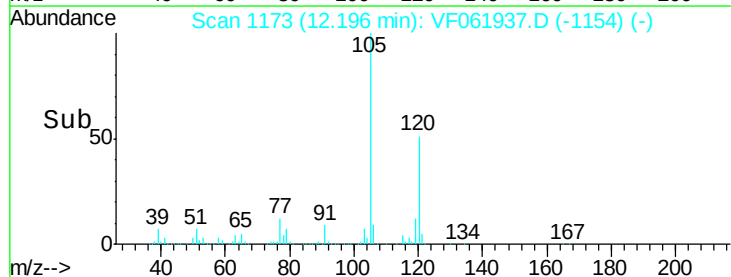
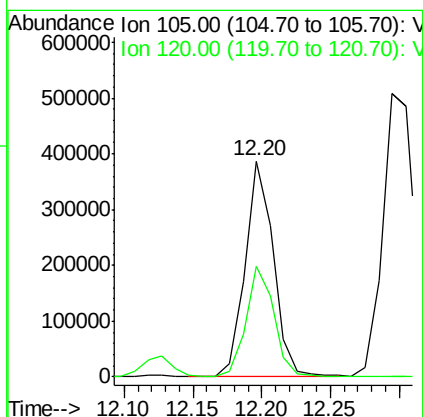
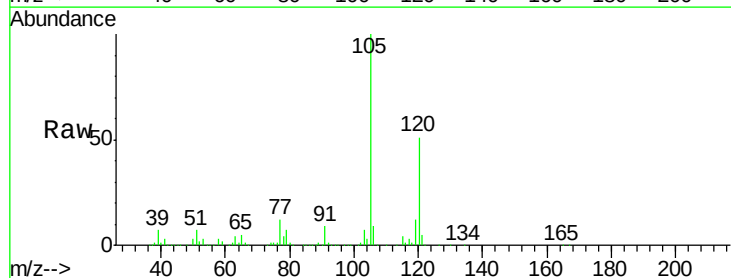
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

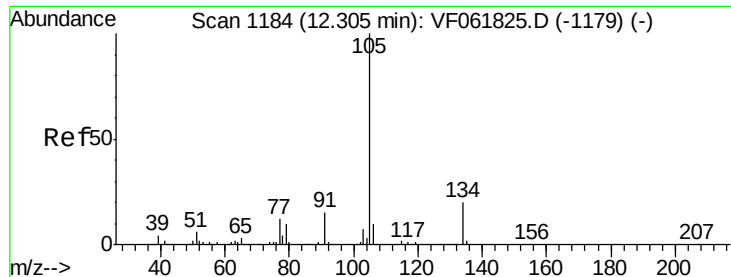
Tot Ion:119 Resp: 626661
 Ion Ratio Lower Upper
 119 100
 91 52.5 23.5 70.5
 134 26.9 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 51.305 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF061937.D
 Acq: 14 Mar 2019 14:11

Tgt Ion:105 Resp: 555481
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.8 77.4





#85

sec-Butylbenzene

Concen: 53.900 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

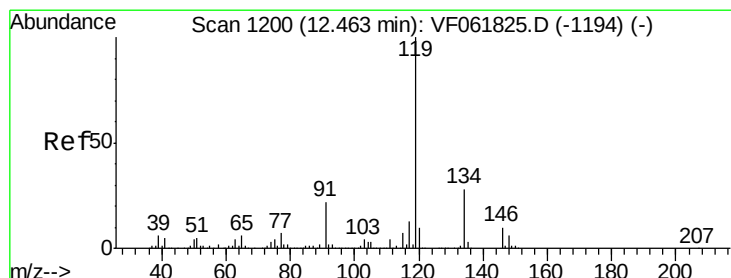
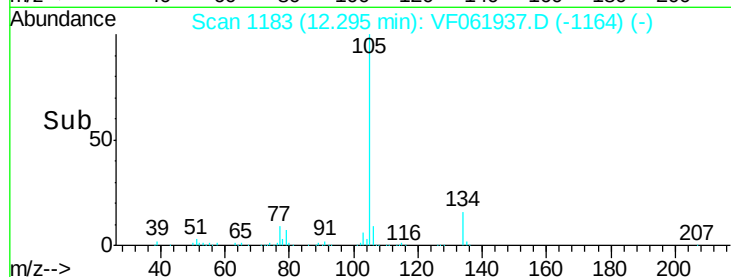
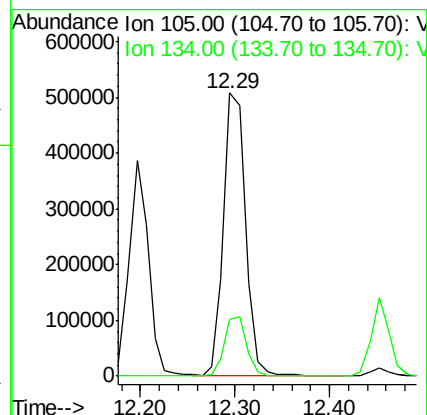
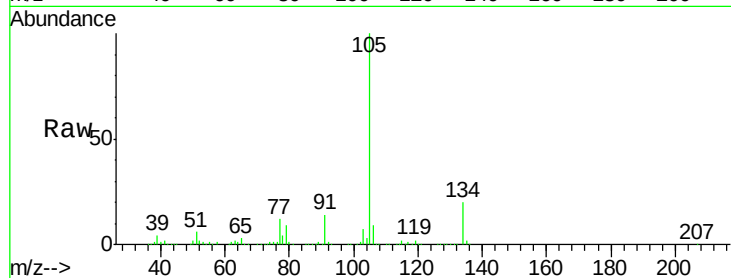
VSTDCCC050

Tot Ion:105 Resp: 822593

Ion Ratio Lower Upper

105 100

134 20.1 9.8 29.5



#86

p-Isopropyltoluene

Concen: 53.667 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061937.D

Acq: 14 Mar 2019 14:11

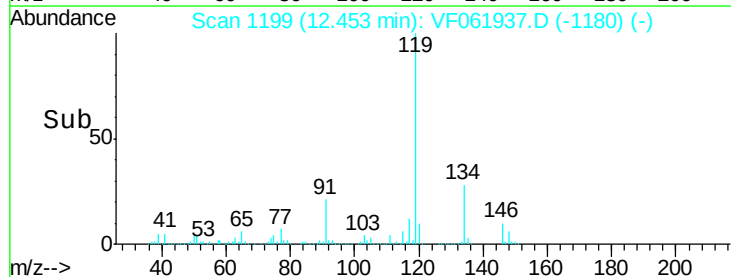
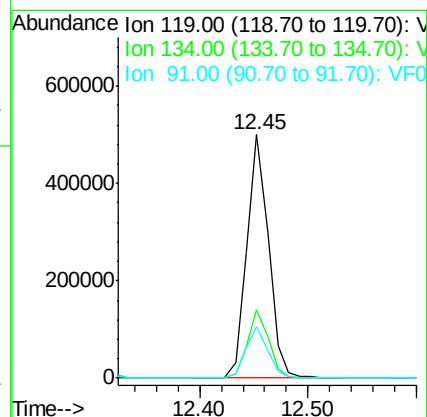
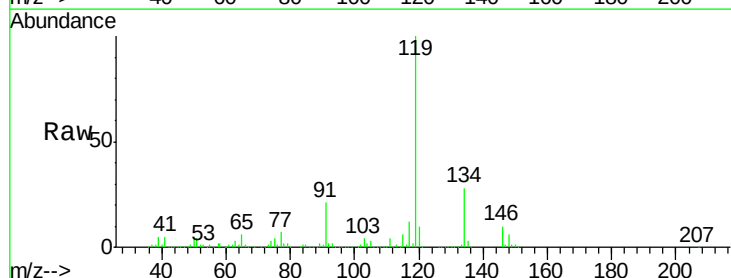
Tgt Ion:119 Resp: 696202

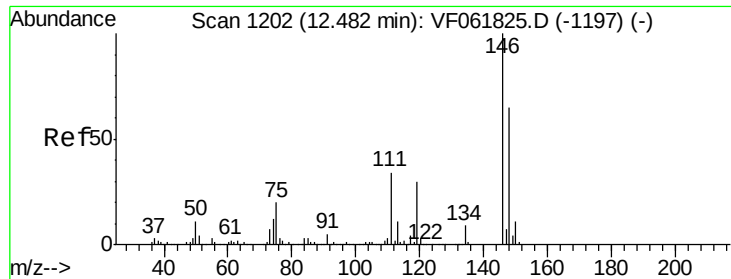
Ion Ratio Lower Upper

119 100

134 28.1 14.0 42.0

91 20.9 11.1 33.3

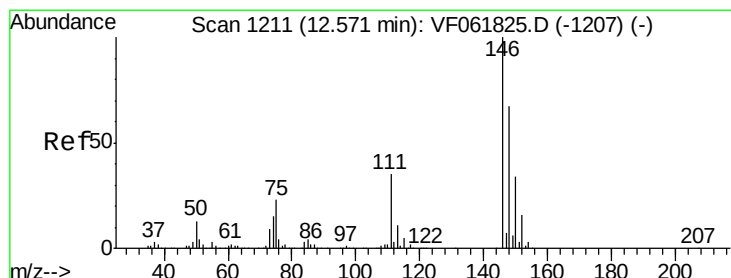
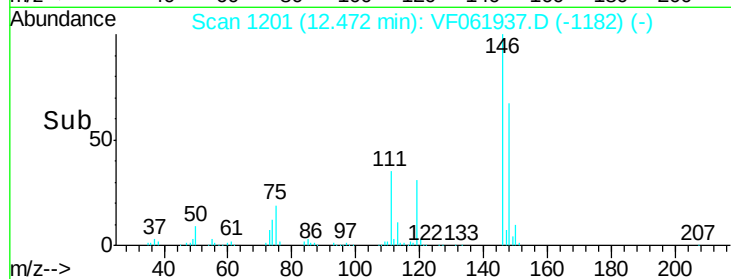
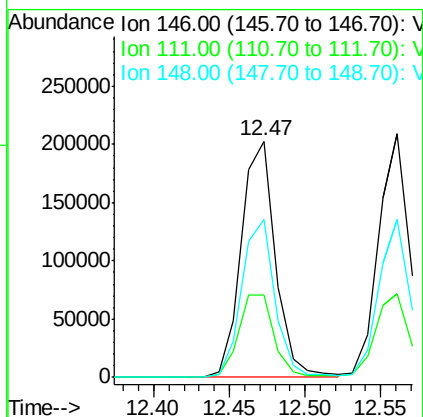
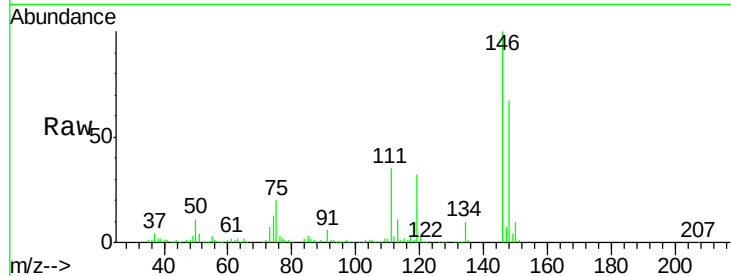




#87
 1,3-Dichlorobenzene
 Concen: 50.809 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF061937.D
 Acq: 14 Mar 2019 14:11

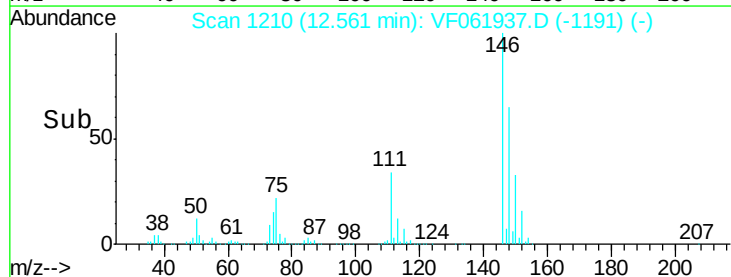
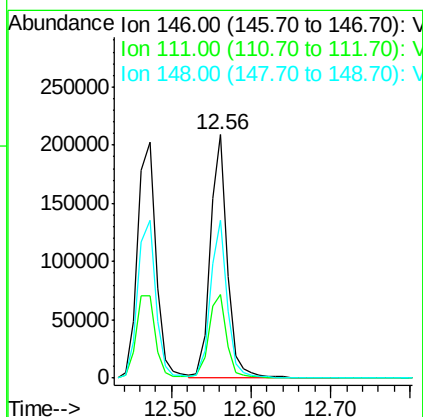
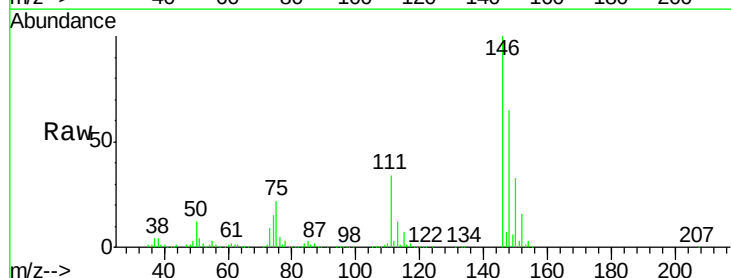
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

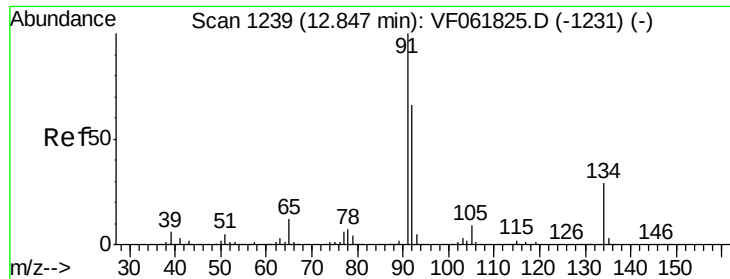
Tot Ion:146 Resp: 319402
 Ion Ratio Lower Upper
 146 100
 111 34.6 17.0 51.0
 148 66.5 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 51.572 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF061937.D
 Acq: 14 Mar 2019 14:11

Tgt Ion:146 Resp: 312734
 Ion Ratio Lower Upper
 146 100
 111 34.4 17.6 52.9
 148 65.0 33.5 100.4

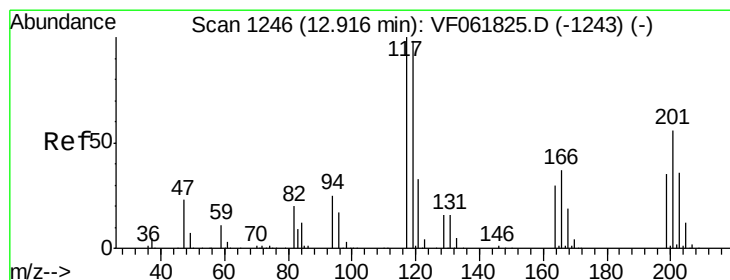
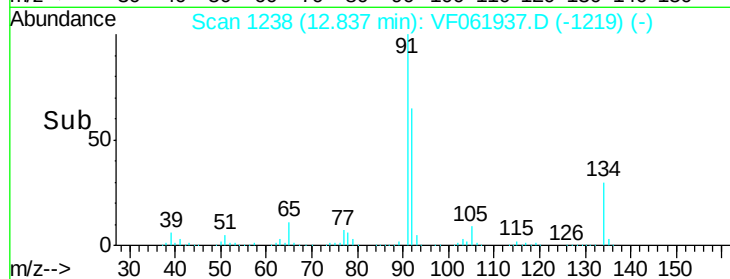
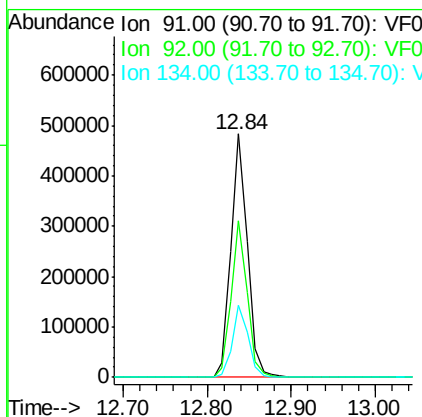
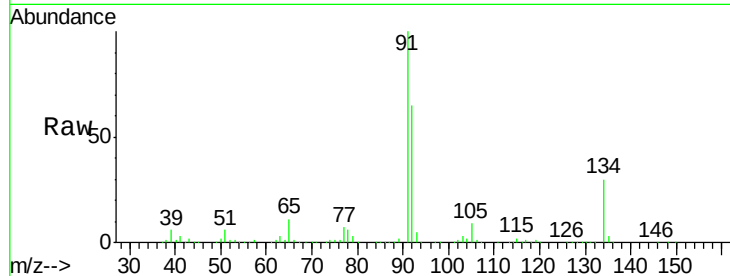




#89
n-Butylbenzene
Concen: 52.987 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

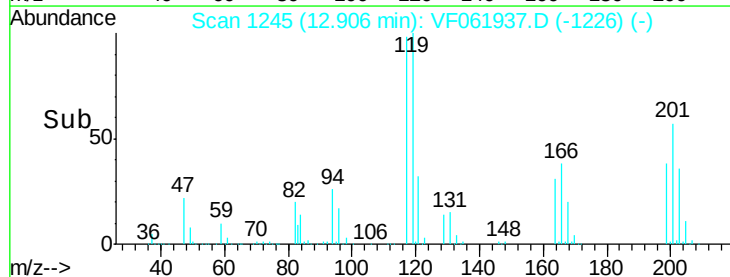
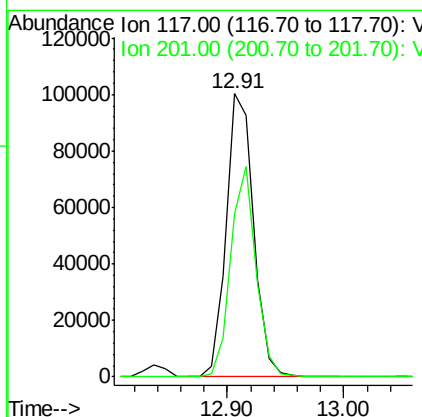
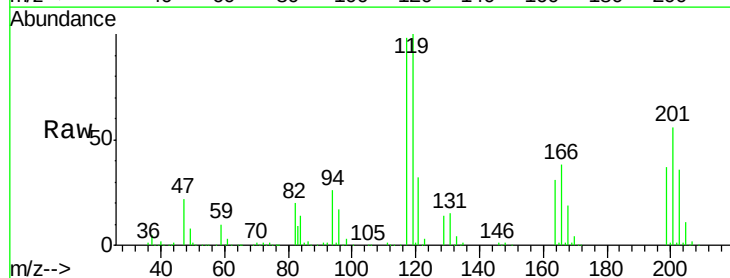
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

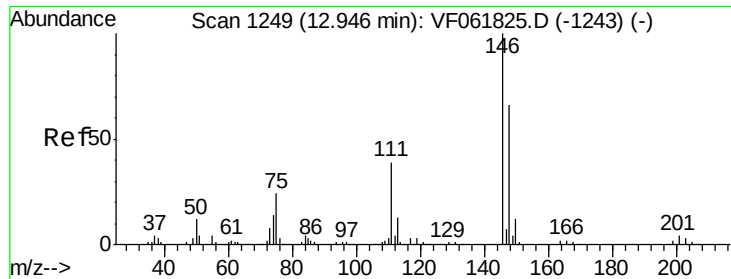
Tot Ion: 91 Resp: 656919
Ion Ratio Lower Upper
91 100
92 64.5 32.9 98.6
134 29.6 14.5 43.6



#90
Hexachloroethane
Concen: 52.020 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

Tgt Ion: 117 Resp: 162432
Ion Ratio Lower Upper
117 100
201 57.5 27.8 83.4

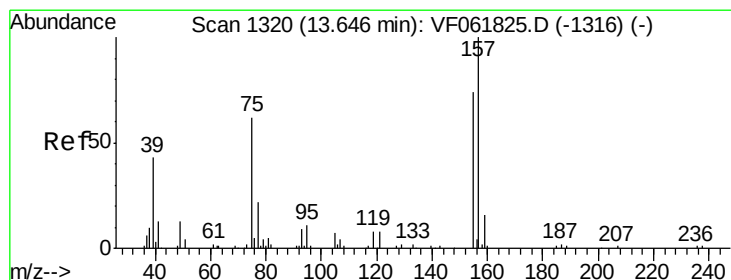
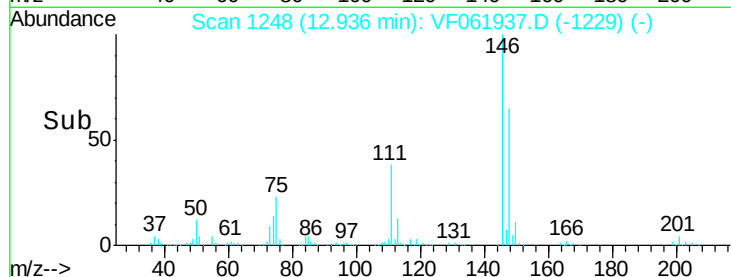
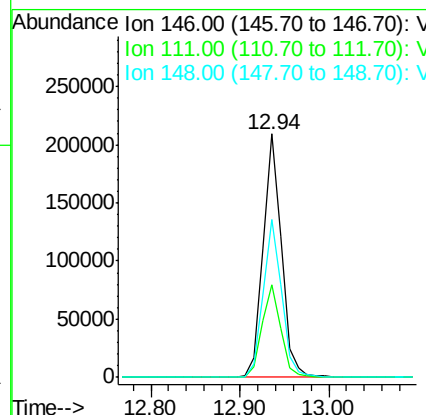
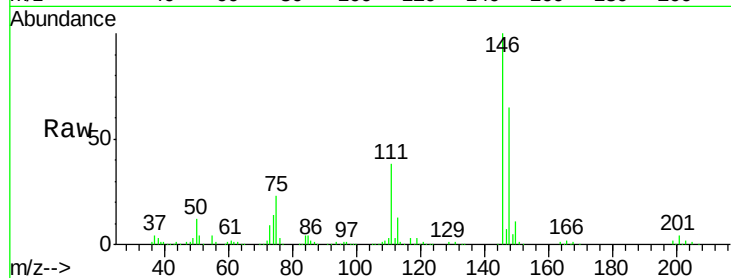




#91
 1,2-Dichlorobenzene
 Concen: 49.472 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061937.D
 Acq: 14 Mar 2019 14:11

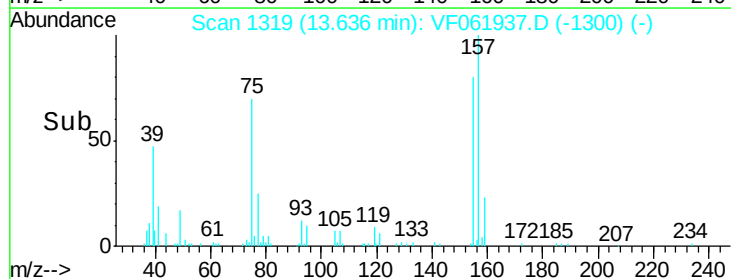
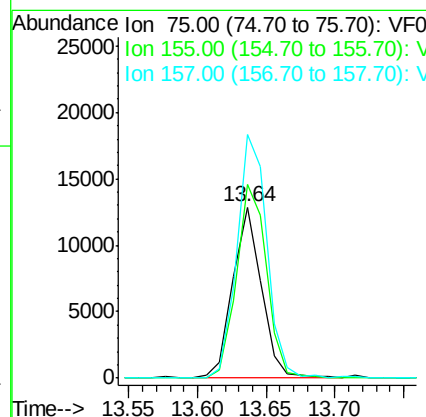
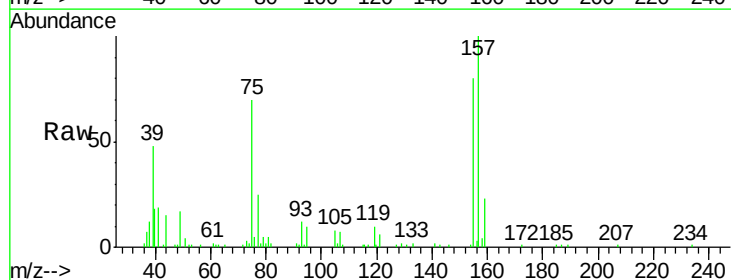
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

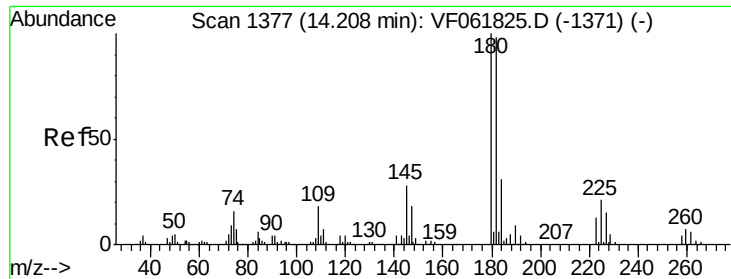
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.4
148	64.9	33.0	98.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.489 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061937.D
 Acq: 14 Mar 2019 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	113.3	59.8	179.4
157	142.2	81.2	243.4

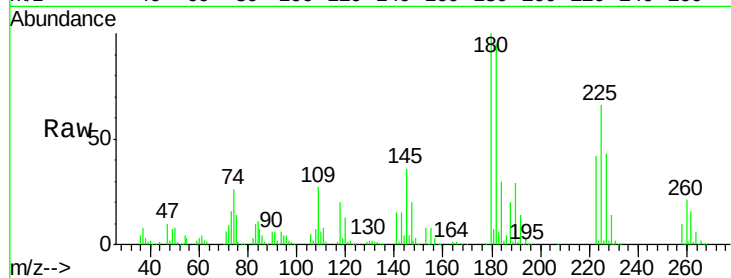




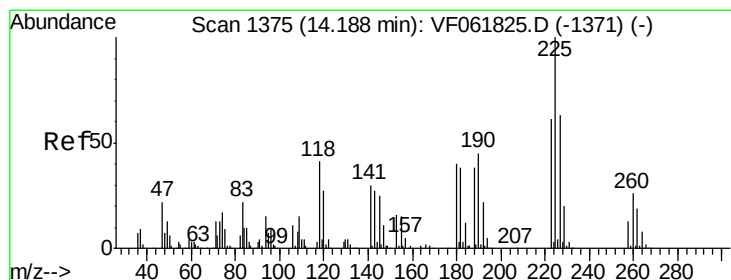
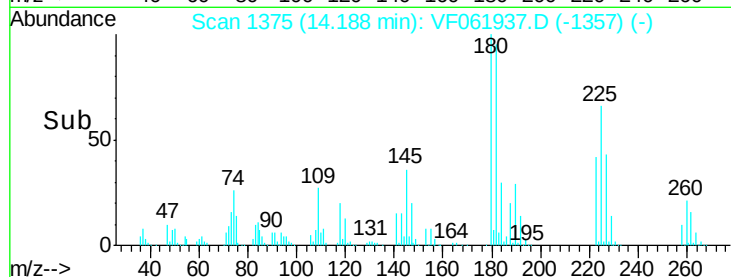
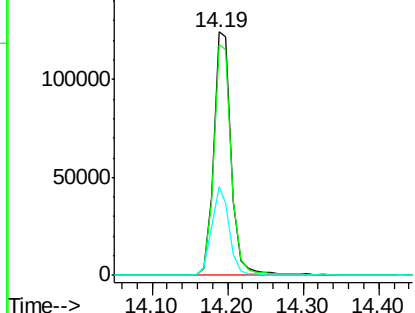
#93
 1,2,4-Trichlorobenzene
 Concen: 49.122 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061937.D
 Acq: 14 Mar 2019 14:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 205109
 Ion Ratio Lower Upper
 180 100
 182 95.0 49.0 147.2
 145 36.3 14.1 42.4

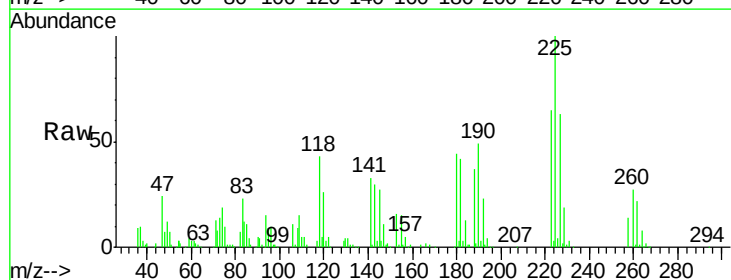


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

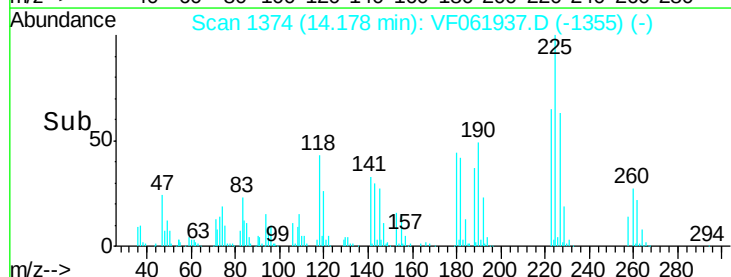
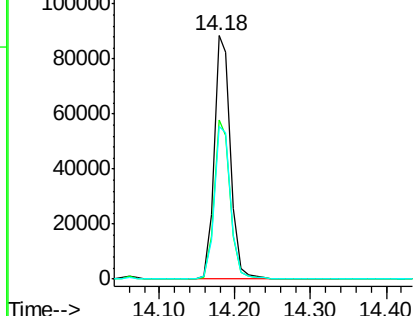


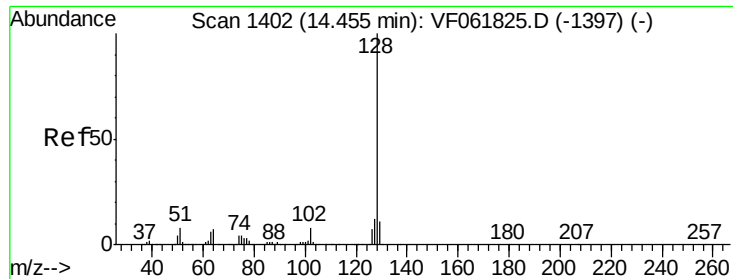
#94
 Hexachlorobutadiene
 Concen: 47.022 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061937.D
 Acq: 14 Mar 2019 14:11

Tgt Ion:225 Resp: 135923
 Ion Ratio Lower Upper
 225 100
 223 65.4 30.3 90.9
 227 62.5 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

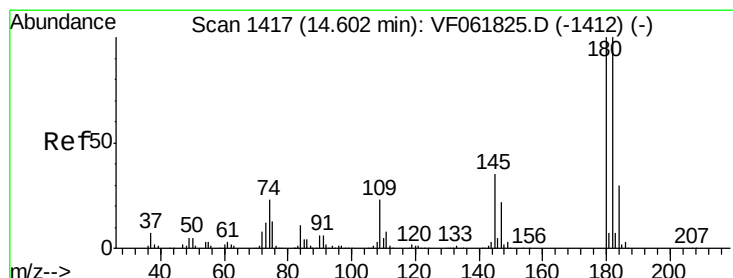
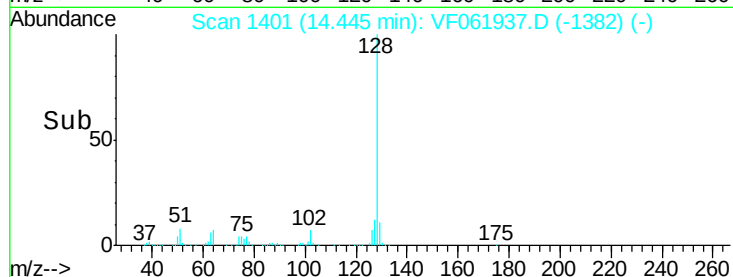
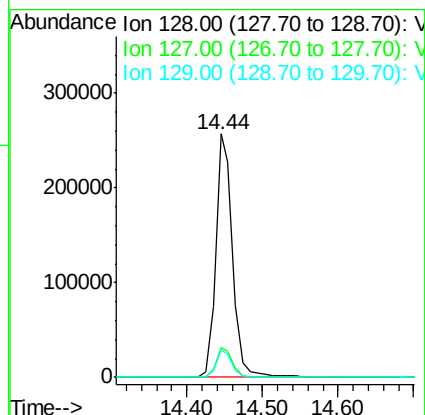
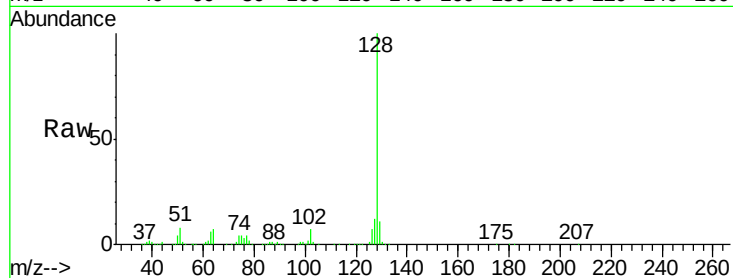




#95
Naphthalene
Concen: 54.049 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 401957
Ion Ratio Lower Upper
128 100
127 12.1 9.3 13.9
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 52.985 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF061937.D
Acq: 14 Mar 2019 14:11

Tgt Ion:180 Resp: 204271
Ion Ratio Lower Upper
180 100
182 95.7 50.2 150.7
145 34.1 17.5 52.5

