

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030819\
 Data File : VF061861.D
 Acq On : 8 Mar 2019 13:27
 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 09 00:43:34 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	4.84	168	313803	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	487856	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.74	117	409072	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	225104	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.81	65	126585	55.39	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	110.78%	
35) Dibromofluoromethane	4.08	113	179306	52.67	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	105.34%	
50) Toluene-d8	7.53	98	523366	51.72	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	11.39	95	203264	51.28	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	102.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	178246	46.267	ug/l	94
3) Chloromethane	1.09	50	178487	47.804	ug/l	95
4) Vinyl Chloride	1.14	62	171758	48.459	ug/l	97
5) Bromomethane	1.32	94	127998	52.990	ug/l	100
6) Chloroethane	1.37	64	93687	55.607	ug/l	96
7) Trichlorofluoromethane	1.47	101	233239	53.880	ug/l	99
8) Diethyl Ether	1.62	74	50219	51.015	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.82	101	156251	53.152	ug/l	99
10) Methyl Iodide	1.88	142	216492	38.700	ug/l	99
11) Tert butyl alcohol	2.56	59	31602	243.638	ug/l	96
12) 1,1-Dichloroethene	1.78	96	129735	48.340	ug/l	96
13) Acrolein	1.98	56	41776	254.180	ug/l	99
14) Allyl chloride	2.08	41	208649	70.570	ug/l	95
15) Acrylonitrile	2.92	53	105027	254.286	ug/l	99
16) Acetone	2.22	43	144981	302.867	ug/l	100
17) Carbon Disulfide	1.82	76	308777	36.961	ug/l	95
18) Methyl Acetate	2.33	43	50129	54.364	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	226420	49.872	ug/l	99
20) Methylene Chloride	2.17	84	57624	18.336	ug/l	96
21) trans-1,2-Dichloroethene	2.29	96	138313	54.759	ug/l	89
22) Diisopropyl ether	2.78	45	388967	50.575	ug/l	97
23) Vinyl Acetate	3.17	43	864913	251.735	ug/l	98
24) 1,1-Dichloroethane	2.85	63	234984	51.117	ug/l	99
25) 2-Butanone	4.30	43	240963	247.469	ug/l	96
26) 2,2-Dichloropropane	3.57	77	117864	57.435	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	174788	49.948	ug/l	99
28) Bromochloromethane	3.69	49	104613	52.206	ug/l #	89
29) Tetrahydrofuran	4.05	42	99076	235.934	ug/l	98
30) Chloroform	3.83	83	268974	51.226	ug/l	95
31) Cyclohexane	3.67	56	239110	49.661	ug/l	99
32) 1,1,1-Trichloroethane	4.06	97	199110	61.520	ug/l	100
36) 1,1-Dichloropropene	4.25	75	220127	47.767	ug/l	98
37) Ethyl Acetate	4.07	43	87982	45.486	ug/l #	89
38) Carbon Tetrachloride	3.96	117	171321	52.516	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	257442	47.297	ug/l	96
40) Benzene	4.61	78	558072	46.330	ug/l	100
41) Methacrylonitrile	4.72	41	47900	45.199	ug/l	94
42) 1,2-Dichloroethane	4.91	62	138330	46.081	ug/l	100
43) Isopropyl Acetate	6.93	43	102599	43.031	ug/l #	95
44) Trichloroethene	5.47	130	173754	46.416	ug/l	97
45) 1,2-Dichloropropane	6.20	63	133552	46.625	ug/l	99
46) Dibromomethane	6.06	93	81910	45.437	ug/l	96
47) Bromodichloromethane	6.35	83	188004	47.205	ug/l	99
48) Methyl methacrylate	6.69	41	67785	44.921	ug/l	94
49) 1,4-Dioxane	6.68	88	11448	829.910	ug/l	86
51) 4-Methyl-2-Pentanone	8.23	43	362898	220.220	ug/l	97
52) Toluene	7.60	92	324866	45.589	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	151301	46.023	ug/l	95
54) cis-1,3-Dichloropropene	7.27	75	213708	47.129	ug/l	98
55) 1,1,2-Trichloroethane	8.46	97	93490	45.535	ug/l	97
56) Ethyl methacrylate	8.59	69	112511	48.624	ug/l	97
57) 1,3-Dichloropropane	8.83	76	156393	46.577	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	105555	288.372	ug/l	97
59) 2-Hexanone	9.47	43	273682	230.215	ug/l	98
60) Dibromochloromethane	8.69	129	139114	47.540	ug/l	98
61) 1,2-Dibromoethane	8.96	107	104721	46.382	ug/l	98
64) Tetrachloroethene	8.13	164	147402	46.894	ug/l	98
65) Chlorobenzene	9.77	112	372430	47.388	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.90	131	146884	48.238	ug/l	97
67) Ethyl Benzene	9.87	91	622815	47.812	ug/l	99
68) m/p-Xylenes	10.11	106	468739	93.932	ug/l	96
69) o-Xylene	10.69	106	254183	47.303	ug/l	98
70) Styrene	10.77	104	361108	47.751	ug/l	98
71) Bromoform	10.75	173	78720	48.915	ug/l	97
73) Isopropylbenzene	11.11	105	731964	47.232	ug/l	98
74) N-amyl acetate	11.35	43	160827	45.079	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	118880	46.155	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	86733	49.339	ug/l	94
77) Bromobenzene	11.48	156	170990	45.846	ug/l	82
78) n-propylbenzene	11.58	91	815590	46.603	ug/l	94
79) 2-Chlorotoluene	11.70	91	461751	46.150	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	583408	46.889	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	52285	65.044	ug/l #	89
82) 4-Chlorotoluene	11.87	91	472003	46.121	ug/l	99
83) tert-Butylbenzene	12.11	119	634957	48.060	ug/l	92
84) 1,2,4-Trimethylbenzene	12.19	105	574849	47.129	ug/l	96
85) sec-Butylbenzene	12.29	105	821987	47.810	ug/l	97
86) p-Isopropyltoluene	12.44	119	726807	49.732	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	338764	47.835	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	328517	48.089	ug/l	99
89) n-Butylbenzene	12.83	91	666672	47.733	ug/l	97
90) Hexachloroethane	12.90	117	170971	48.603	ug/l	82
91) 1,2-Dichlorobenzene	12.92	146	303693	45.262	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.62	75	20310	45.755	ug/l	69

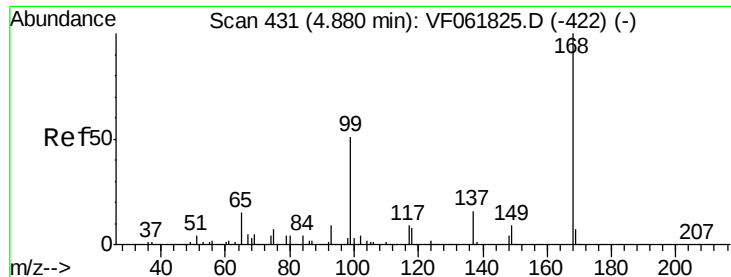
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	228100	48.491	ug/l	97
94) Hexachlorobutadiene	14.17	225	153693	47.197	ug/l	97
95) Naphthalene	14.44	128	402459	48.037	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	213909	49.251	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

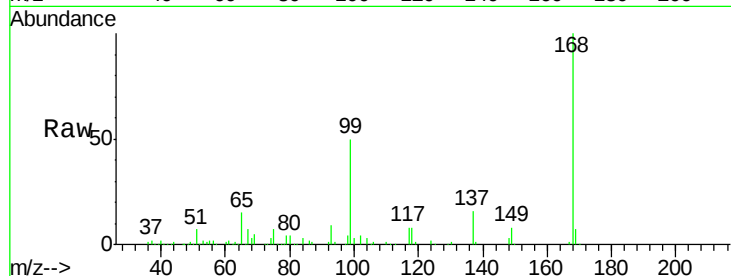
VSTDCCC050

Tot Ion:168 Resp: 313803

Ion Ratio Lower Upper

168 100

99 50.0 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

120000

100000

80000

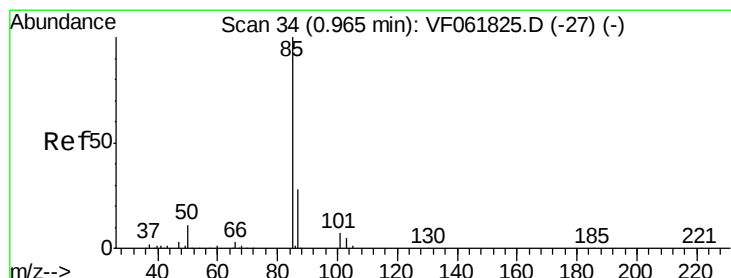
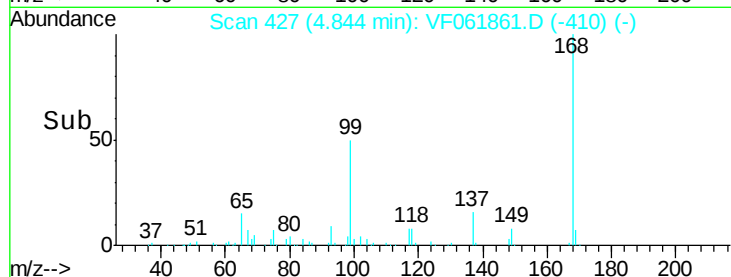
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 46.267 ug/l

RT: 0.95 min Scan# 32

Delta R.T. -0.02 min

Lab File: VF061861.D

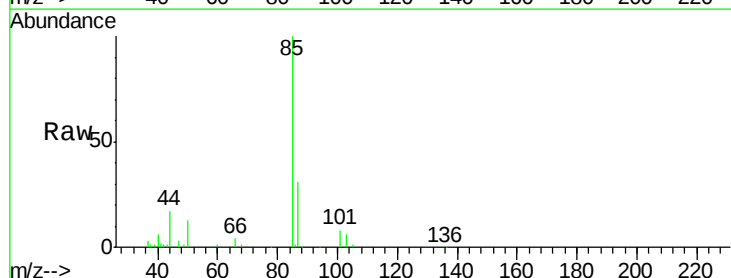
Acq: 8 Mar 2019 13:27

Tgt Ion: 85 Resp: 178246

Ion Ratio Lower Upper

85 100

87 31.2 14.1 42.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

60000

50000

40000

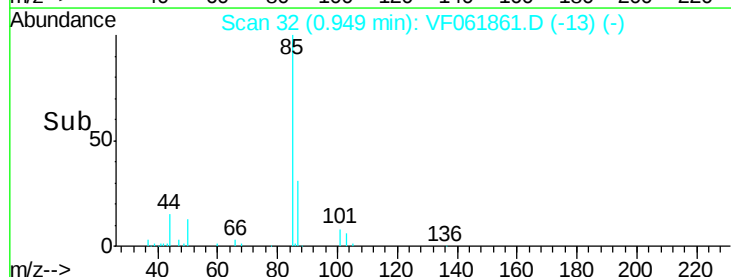
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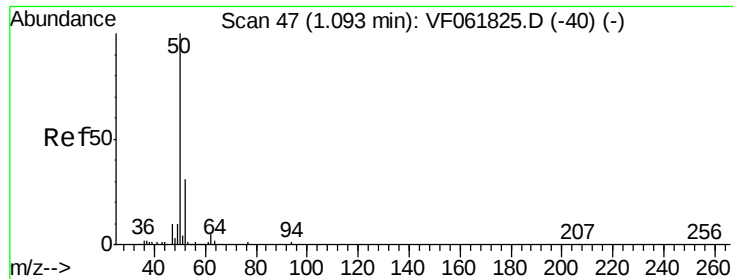
20000

10000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 47.804 ug/l

RT: 1.09 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

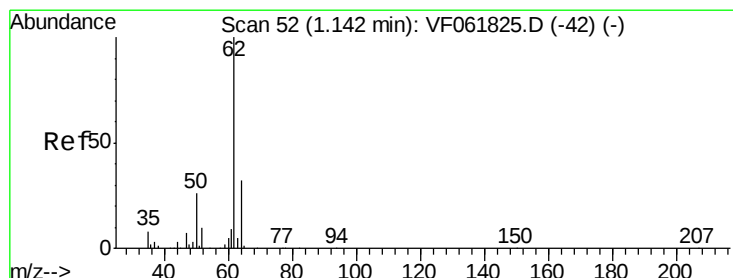
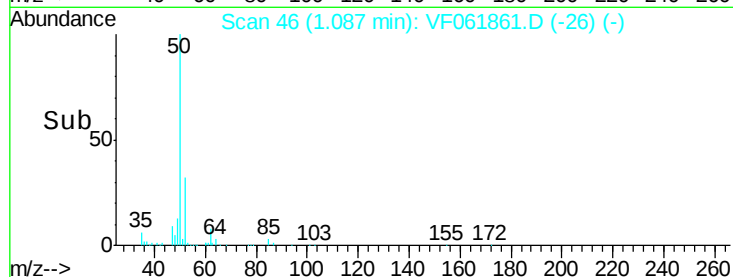
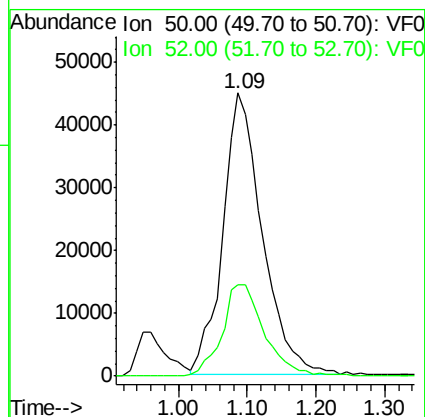
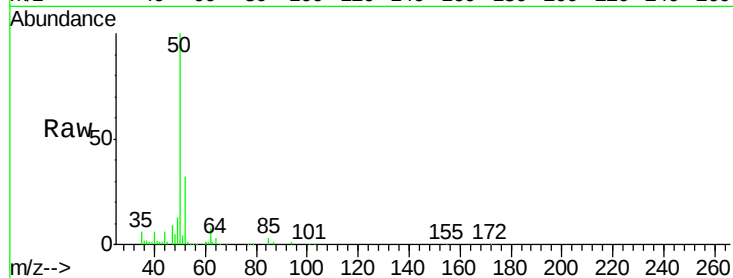
VSTDCCC050

Tot Ion: 50 Resp: 178487

Ion Ratio Lower Upper

50 100

52 32.3 23.8 35.8



#4

Vinyl Chloride

Concen: 48.459 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061861.D

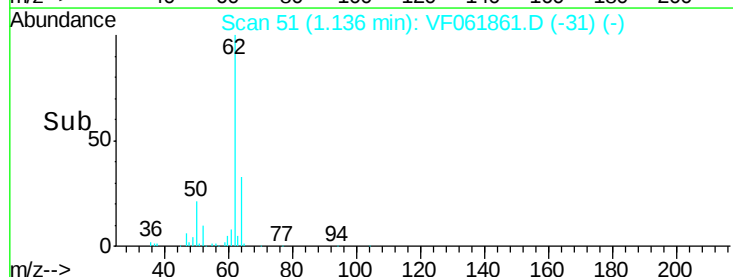
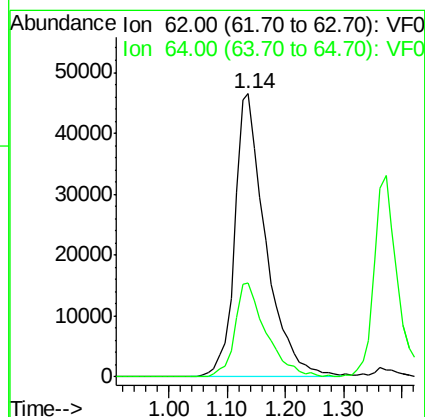
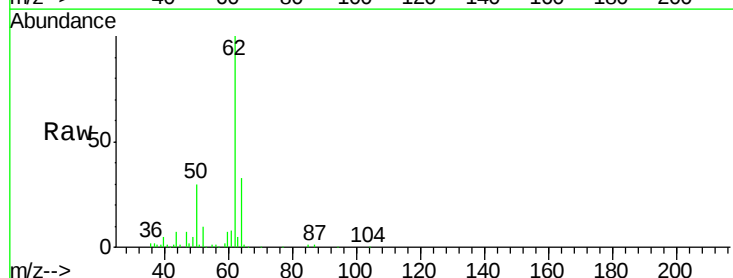
Acq: 8 Mar 2019 13:27

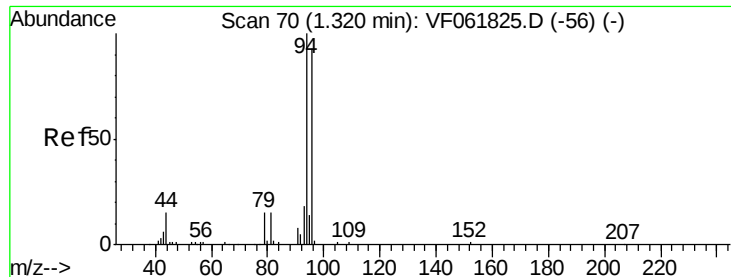
Tgt Ion: 62 Resp: 171758

Ion Ratio Lower Upper

62 100

64 33.2 25.2 37.8





#5

Bromomethane

Concen: 52.990 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

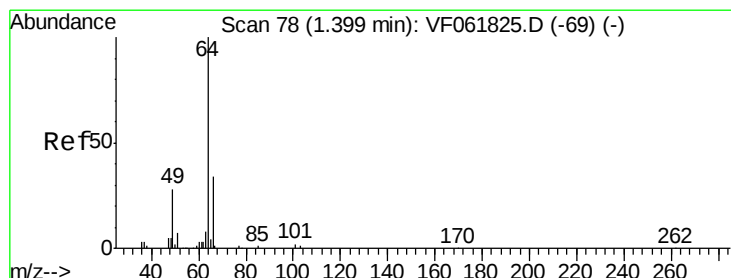
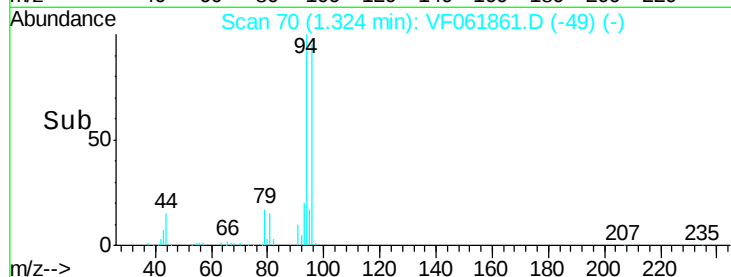
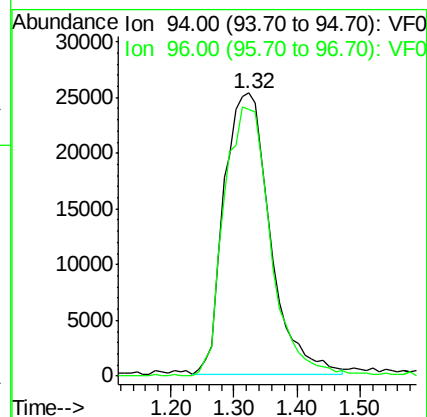
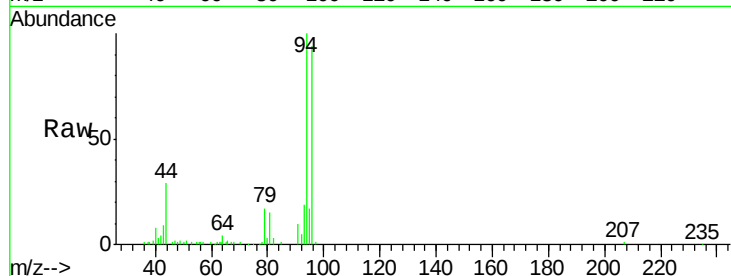
VSTDCCC050

Tot Ion: 94 Resp: 127998

Ion Ratio Lower Upper

94 100

96 94.0 75.2 112.8



#6

Chloroethane

Concen: 55.607 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.03 min

Lab File: VF061861.D

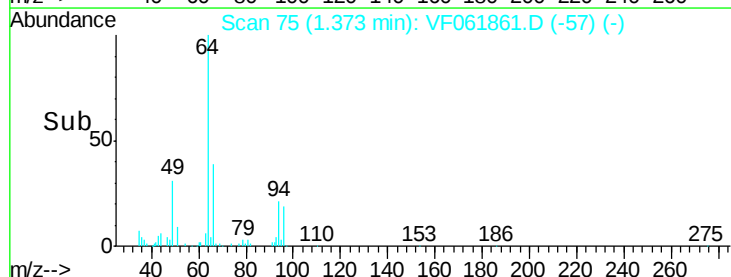
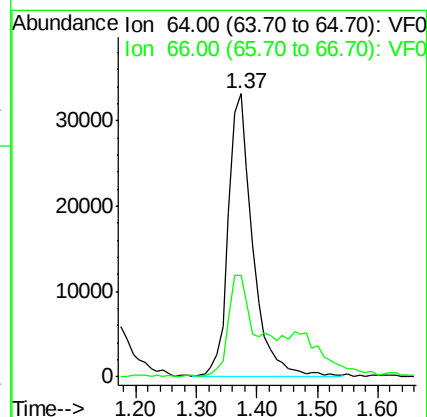
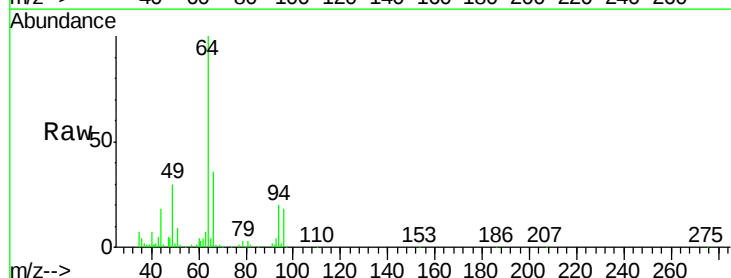
Acq: 8 Mar 2019 13:27

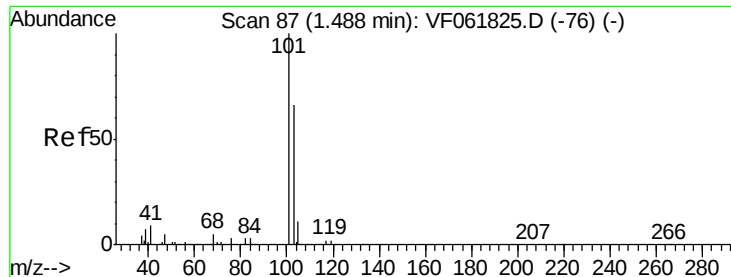
Tgt Ion: 64 Resp: 93687

Ion Ratio Lower Upper

64 100

66 36.0 27.0 40.4



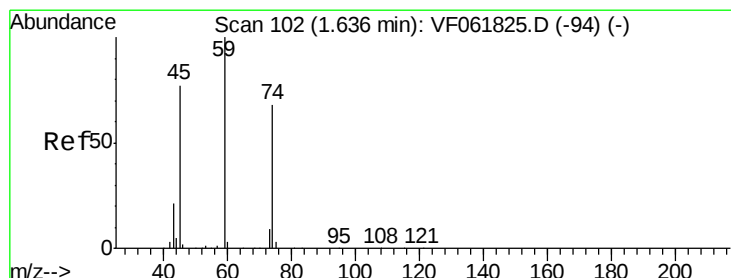
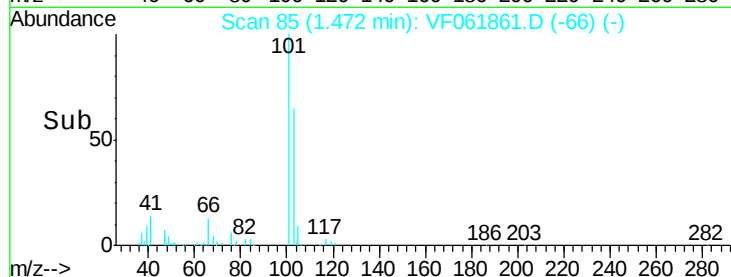
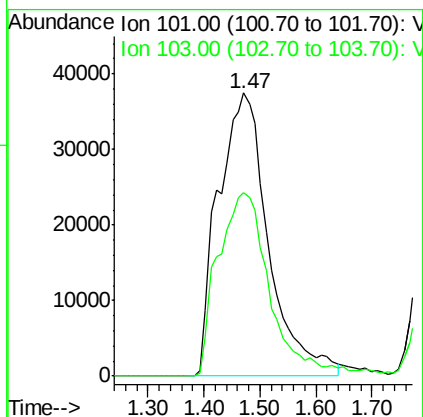
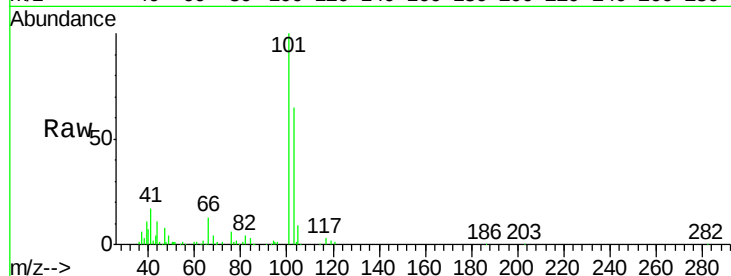


#7

Trichlorofluoromethane
Concen: 53.880 ug/l
RT: 1.47 min Scan# 85
Delta R.T. -0.02 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

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ClientSampleId :
VSTDCCC050

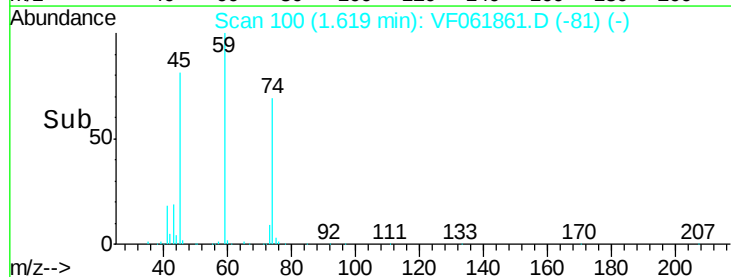
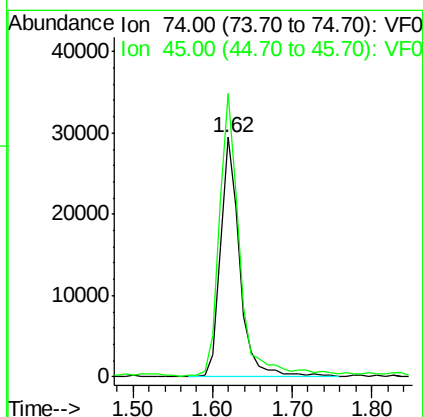
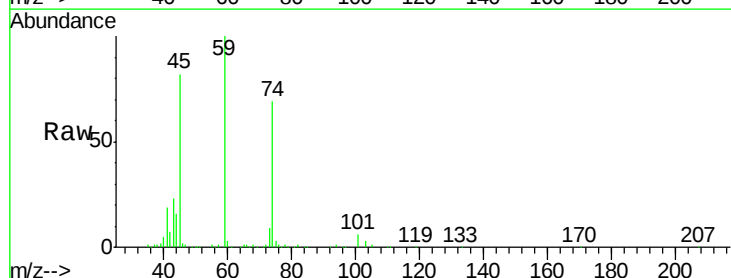
Tot Ion:101 Resp: 233239
Ion Ratio Lower Upper
101 100
103 65.0 52.8 79.2

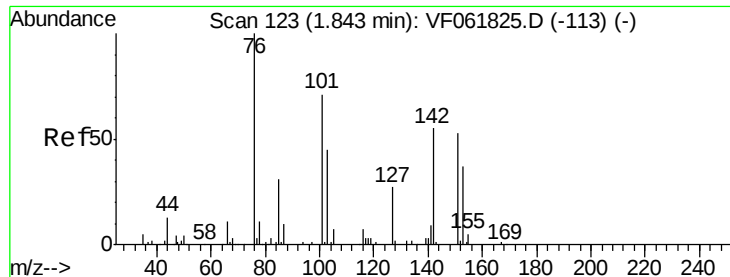


#8

Diethyl Ether
Concen: 51.015 ug/l
RT: 1.62 min Scan# 100
Delta R.T. -0.02 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion: 74 Resp: 50219
Ion Ratio Lower Upper
74 100
45 118.1 57.2 171.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.152 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

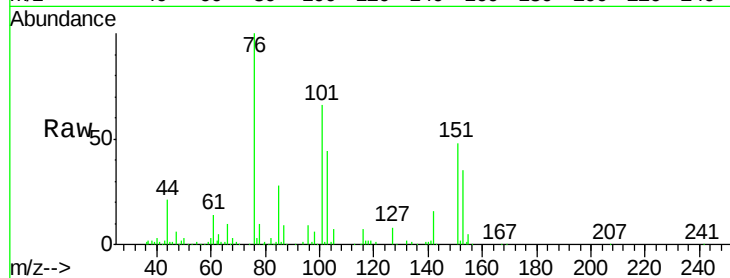
Tot Ion:101 Resp: 156251

Ion Ratio Lower Upper

101 100

85 41.9 34.0 51.0

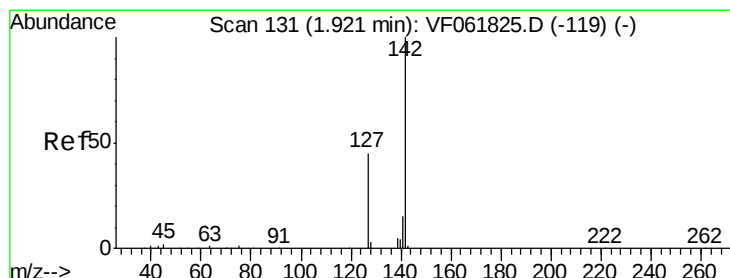
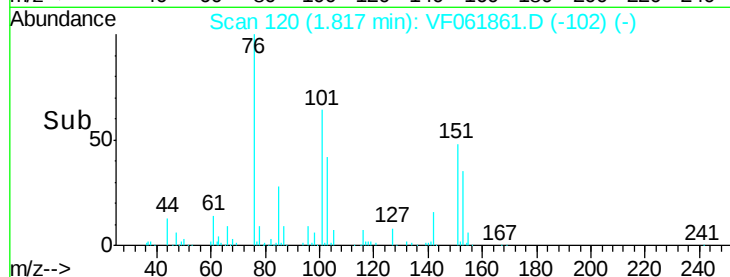
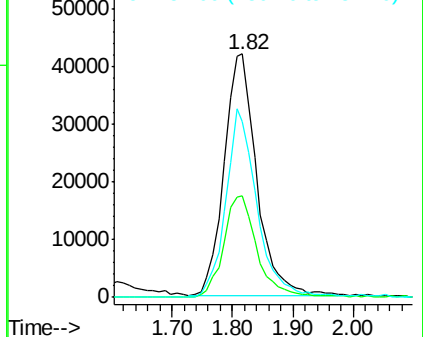
151 72.0 57.3 85.9



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: 38.700 ug/l

RT: 1.88 min Scan# 126

Delta R.T. -0.05 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

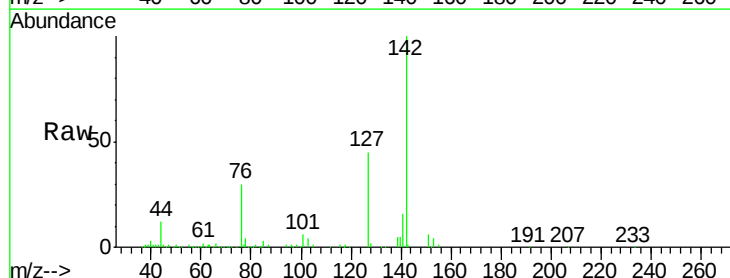
Tgt Ion:142 Resp: 216492

Ion Ratio Lower Upper

142 100

127 45.4 35.8 53.6

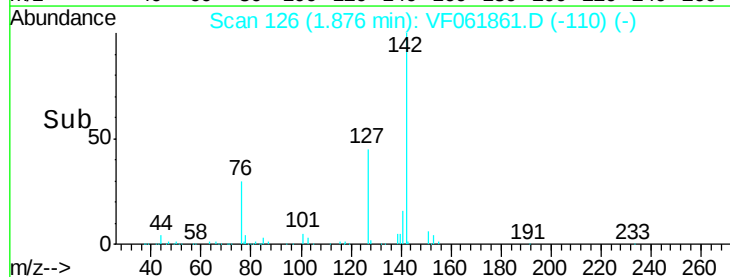
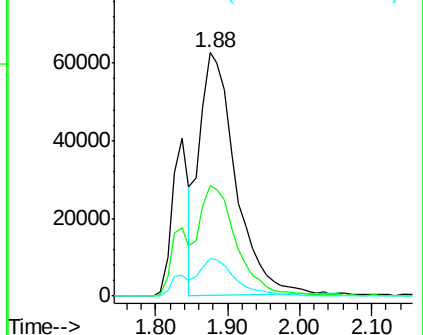
141 15.6 11.7 17.5

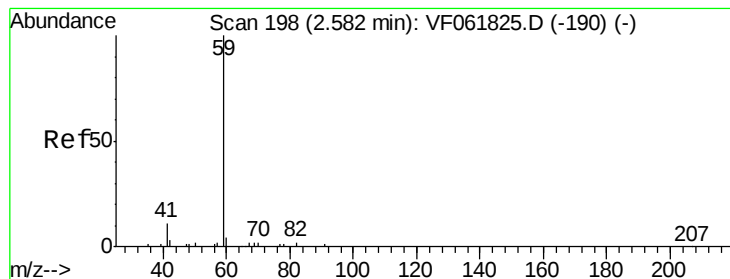


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



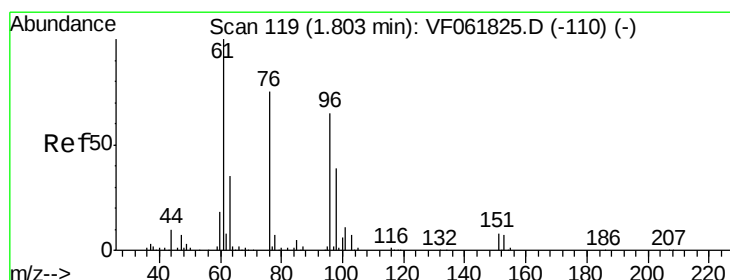
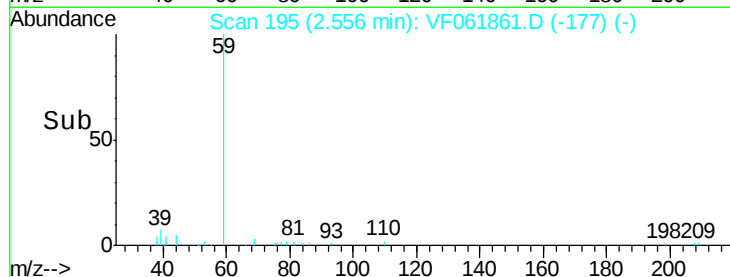
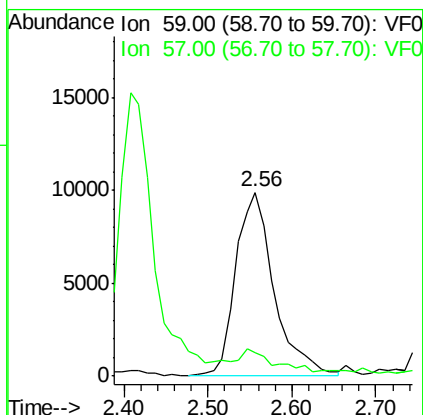
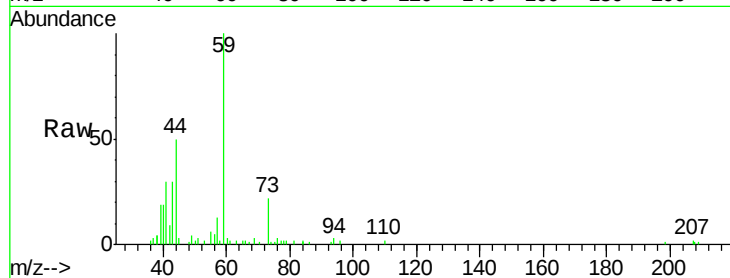


#11

Tert butyl alcohol
Concen: 243.638 ug/l
RT: 2.56 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

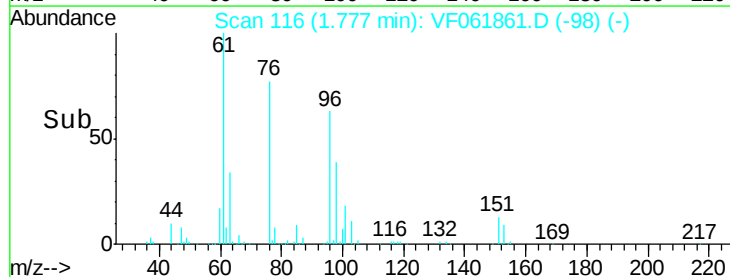
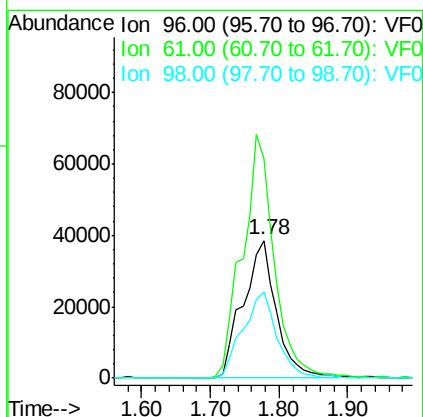
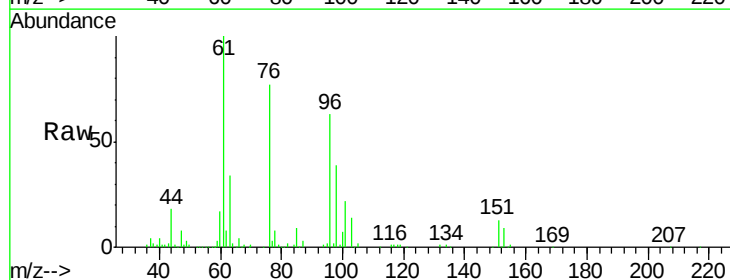
Tot Ion: 59 Resp: 31602
Ion Ratio Lower Upper
59 100
57 13.1 11.8 17.6

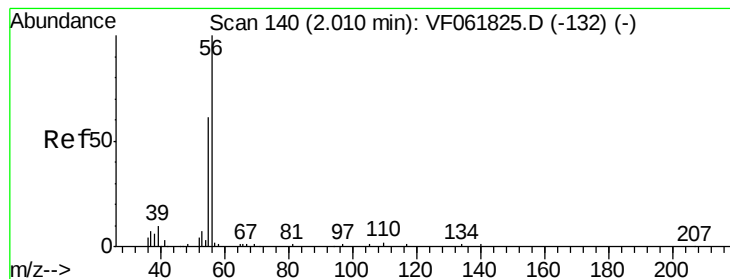


#12

1,1-Dichloroethene
Concen: 48.340 ug/l
RT: 1.78 min Scan# 116
Delta R.T. -0.03 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion: 96 Resp: 129735
Ion Ratio Lower Upper
96 100
61 158.8 122.5 183.7
98 62.3 47.1 70.7





#13

Acrolein

Concen: 254.180 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

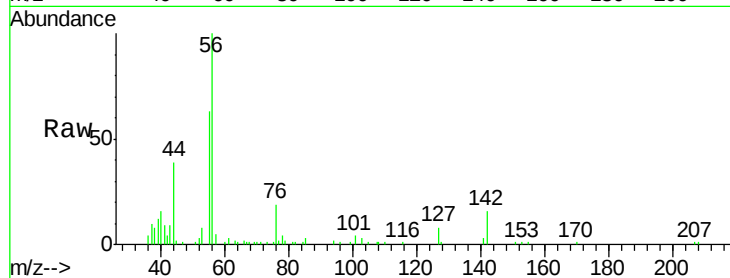
VSTDCCC050

Tot Ion: 56 Resp: 41776

Ion Ratio Lower Upper

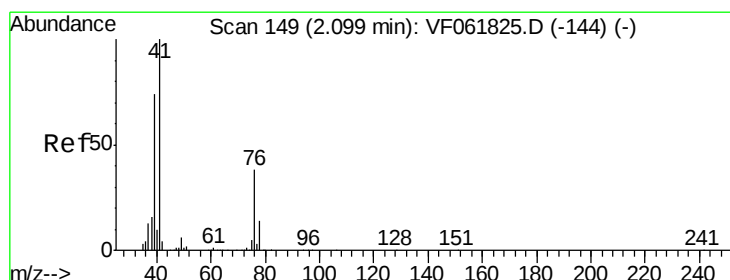
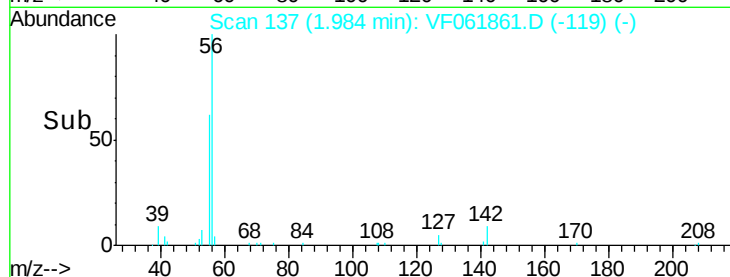
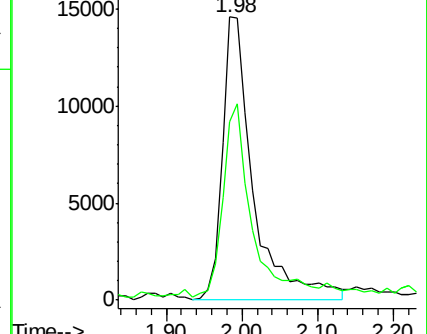
56 100

55 63.1 51.3 76.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 70.570 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.02 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

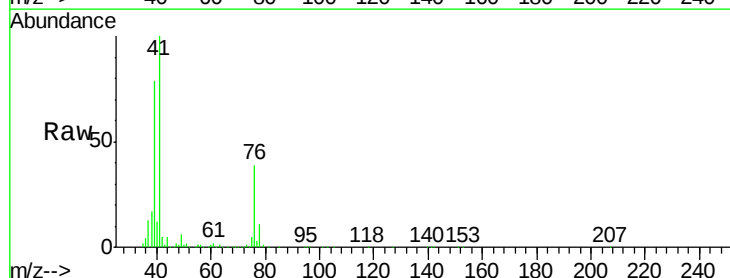
Tgt Ion: 41 Resp: 208649

Ion Ratio Lower Upper

41 100

39 79.3 59.6 89.4

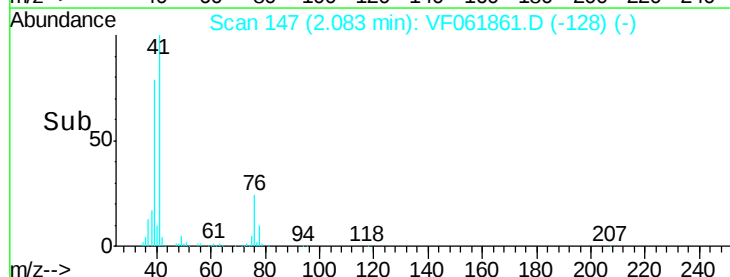
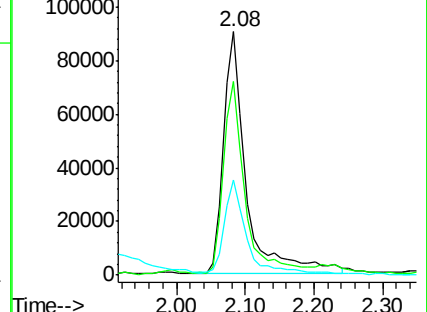
76 39.0 32.3 48.5

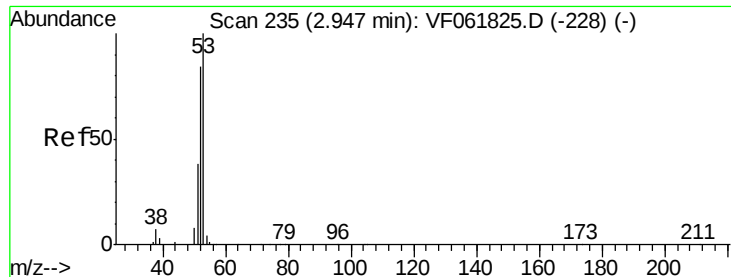


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 254.286 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

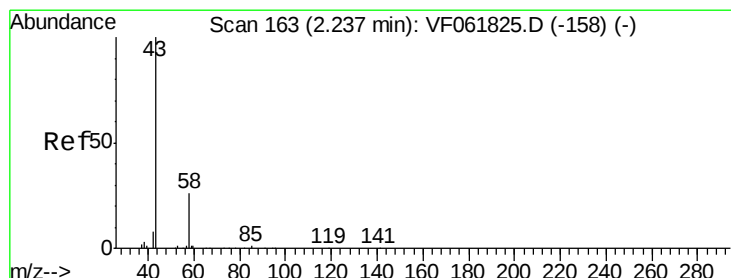
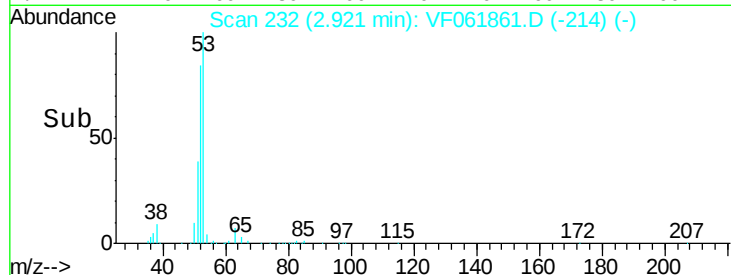
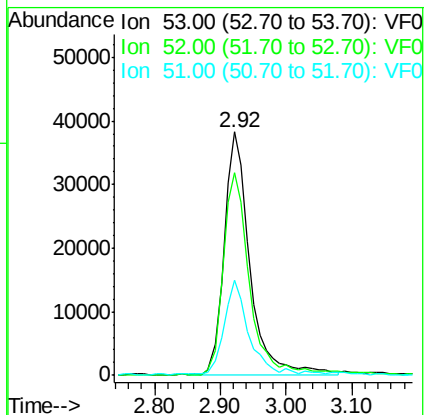
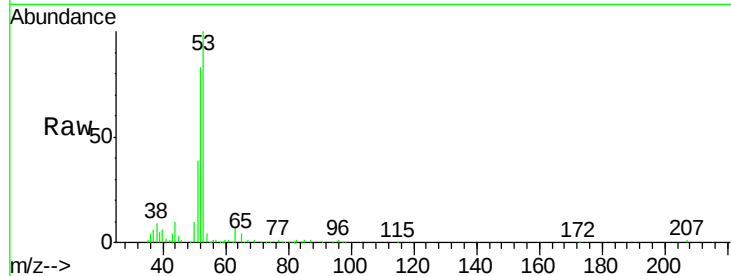
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 105027

Ion	Ratio	Lower	Upper
53	100		
52	83.4	67.4	101.0
51	39.2	30.7	46.1



#16

Acetone

Concen: 302.867 ug/l

RT: 2.22 min Scan# 161

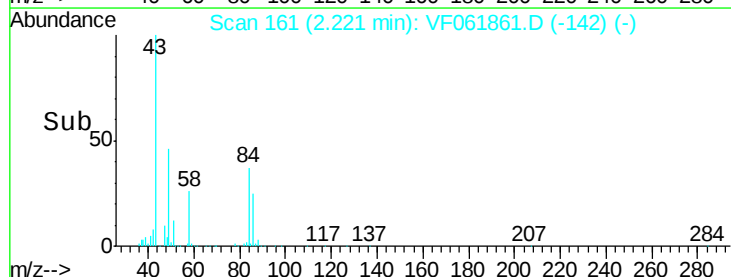
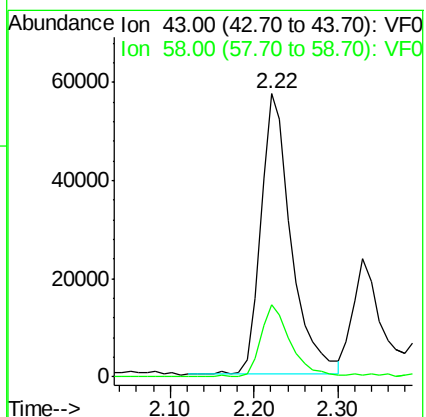
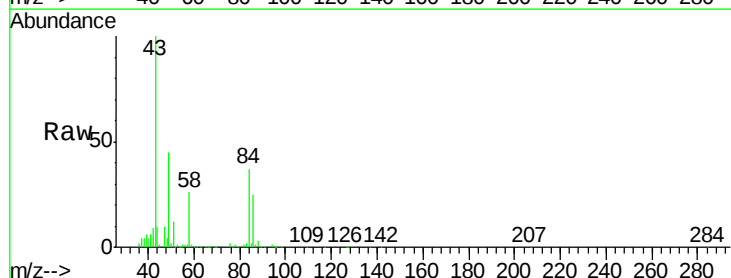
Delta R.T. -0.02 min

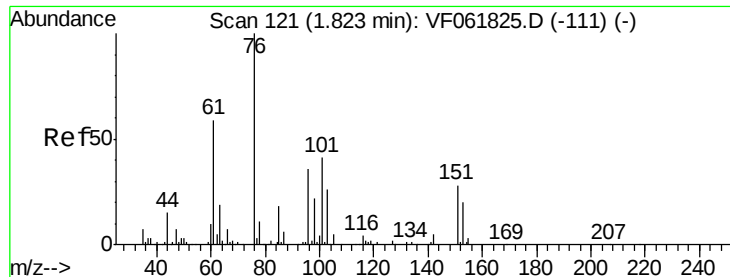
Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Tgt Ion: 43 Resp: 144981

Ion	Ratio	Lower	Upper
43	100		
58	25.5	20.3	30.5

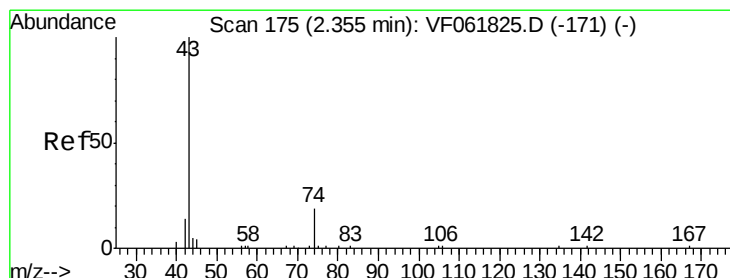
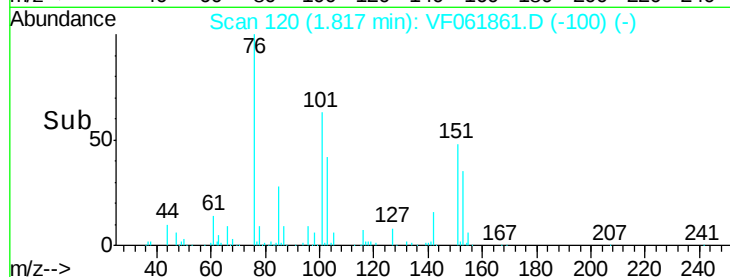
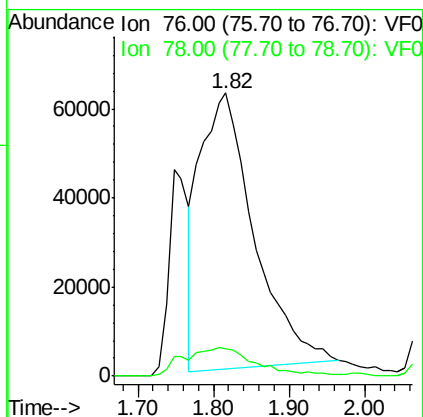
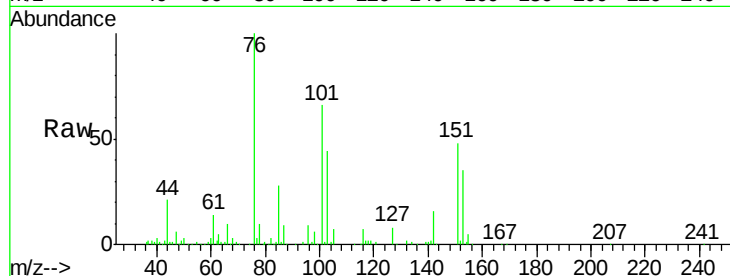




#17
Carbon Disulfide
Concen: 36.961 ug/l
RT: 1.82 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

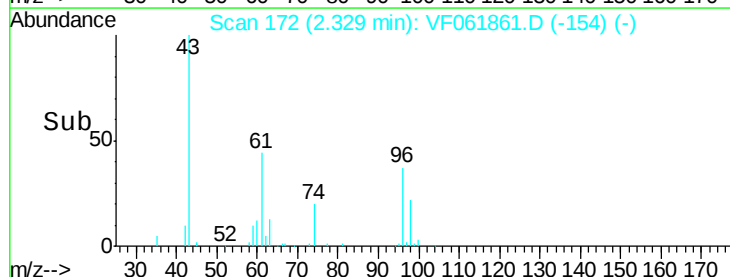
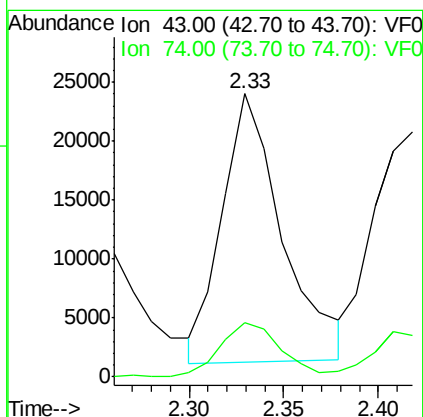
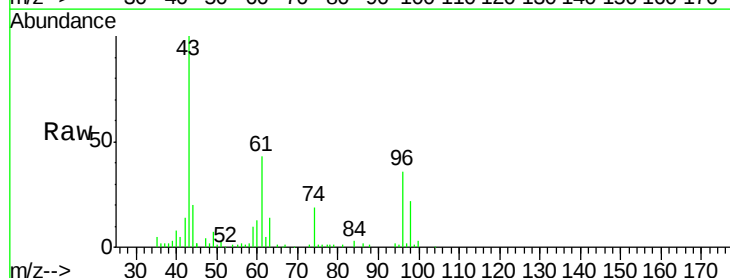
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

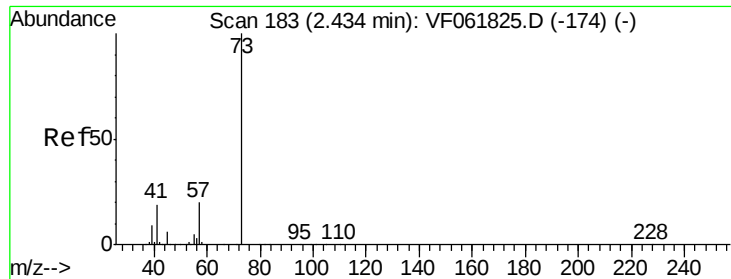
Tot Ion: 76 Resp: 308777
Ion Ratio Lower Upper
76 100
78 9.7 9.1 13.7



#18
Methyl Acetate
Concen: 54.364 ug/l
RT: 2.33 min Scan# 172
Delta R.T. -0.03 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion: 43 Resp: 50129
Ion Ratio Lower Upper
43 100
74 19.2 13.2 19.8



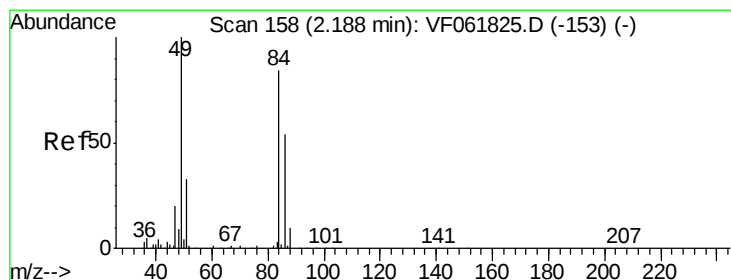
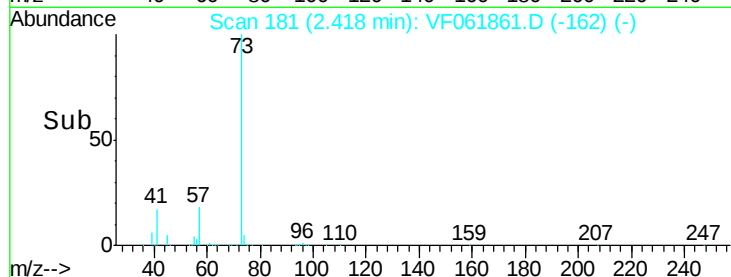
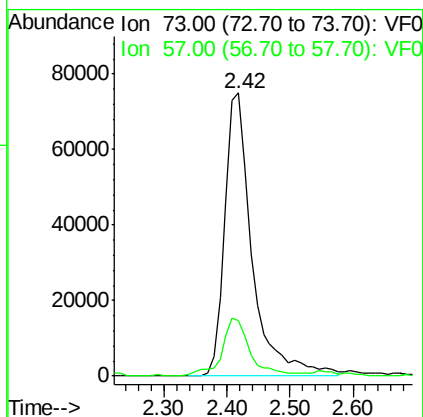
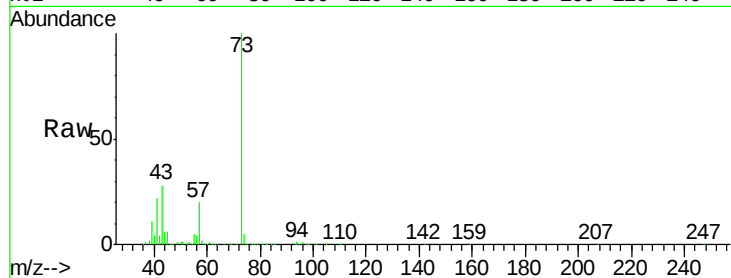


#19

Methyl tert-butyl Ether
 Concen: 49.872 ug/l
 RT: 2.42 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

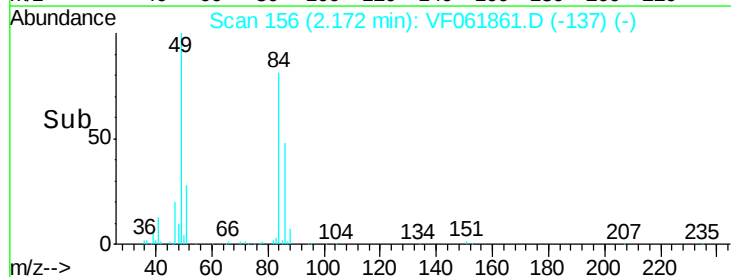
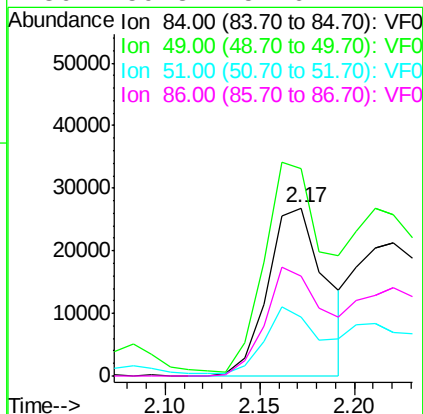
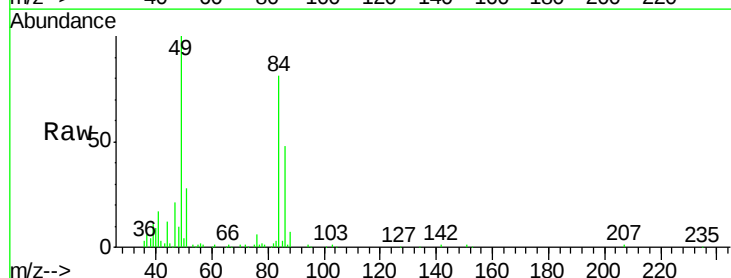
Tot Ion: 73 Resp: 226420
 Ion Ratio Lower Upper
 73 100
 57 19.5 16.1 24.1

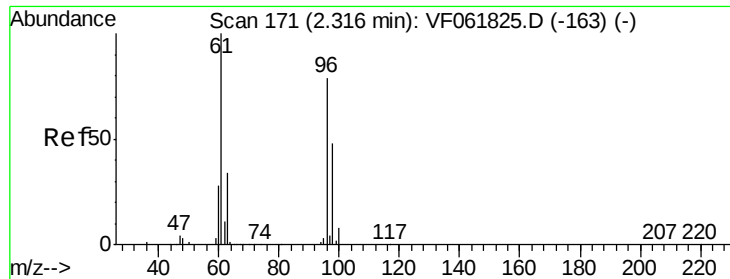


#20

Methylene Chloride
 Concen: 18.336 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.02 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Tgt Ion: 84 Resp: 57624
 Ion Ratio Lower Upper
 84 100
 49 123.5 96.8 145.2
 51 34.9 31.8 47.6
 86 59.3 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 54.759 ug/l

RT: 2.29 min Scan# 168

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

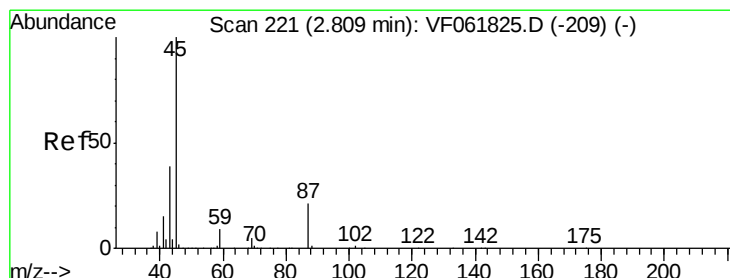
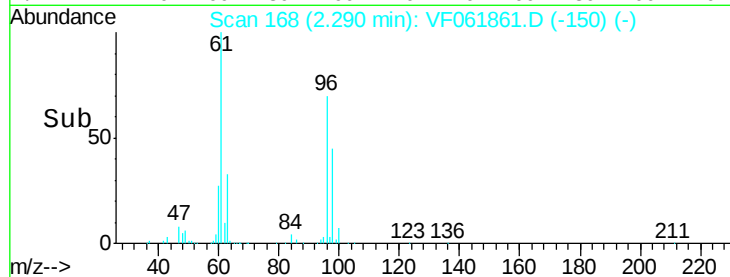
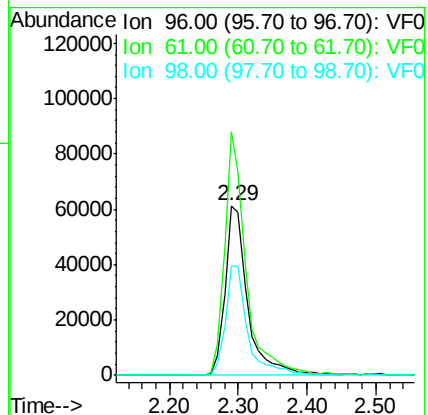
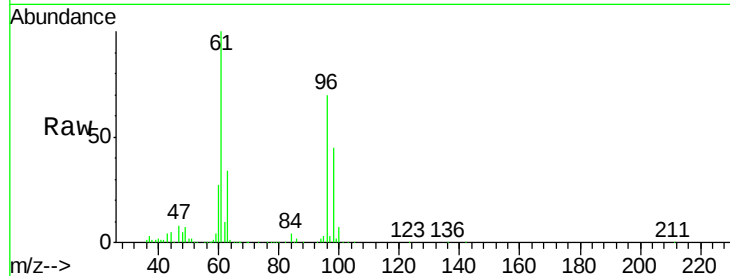
Tot Ion: 96 Resp: 138313

Ion Ratio Lower Upper

96 100

61 143.5 101.0 151.6

98 64.1 48.8 73.2



#22

Diisopropyl ether

Concen: 50.575 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Tgt Ion: 45 Resp: 388967

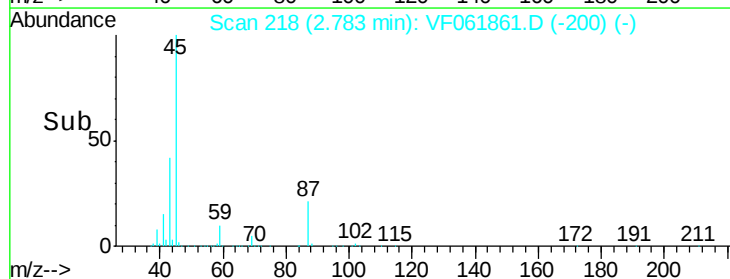
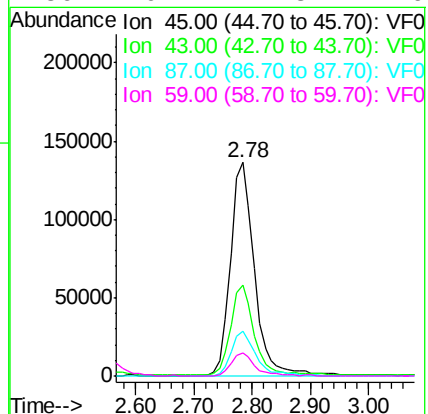
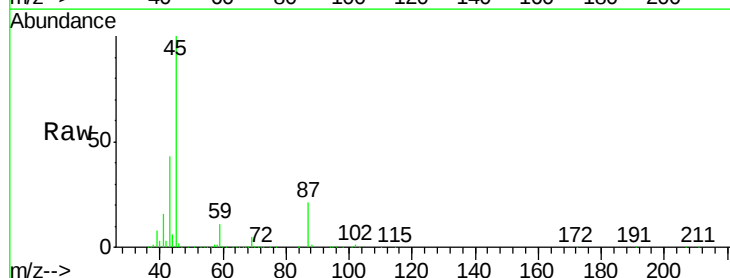
Ion Ratio Lower Upper

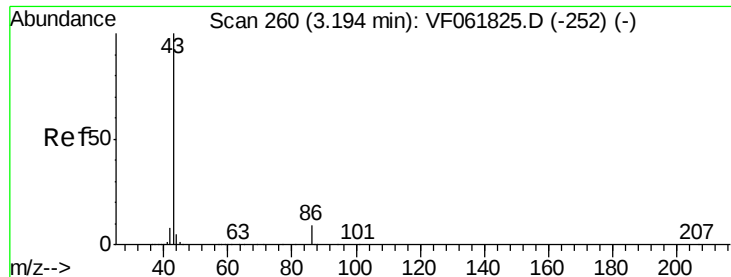
45 100

43 42.8 31.8 47.8

87 21.2 17.1 25.7

59 10.7 7.8 11.6





#23

Vinyl Acetate

Concen: 251.735 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

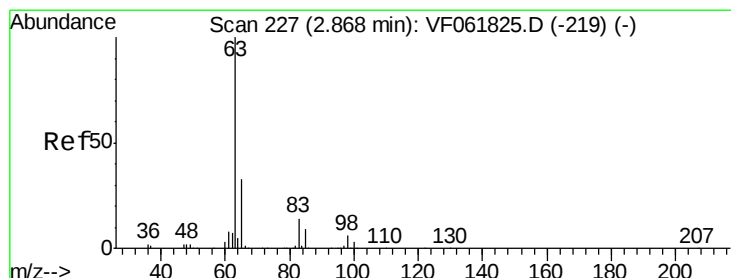
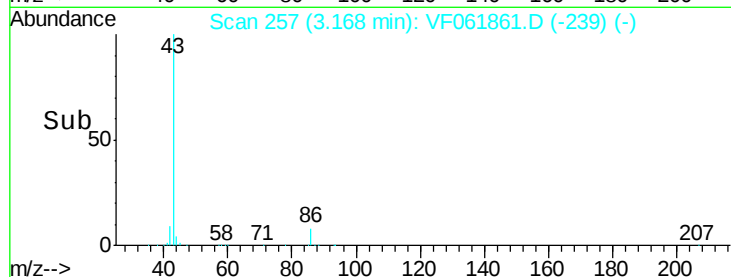
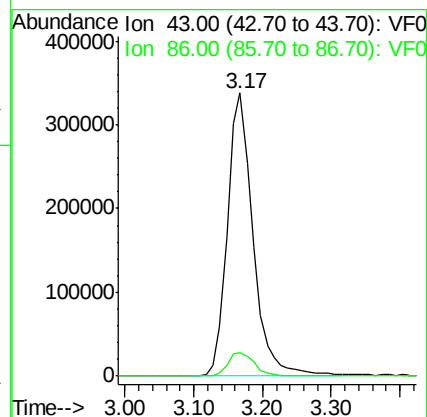
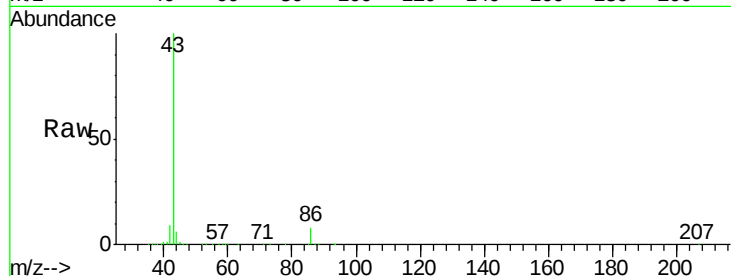
VSTDCCC050

Tot Ion: 43 Resp: 864913

Ion Ratio Lower Upper

43 100

86 8.1 7.0 10.4



#24

1,1-Dichloroethane

Concen: 51.117 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.02 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

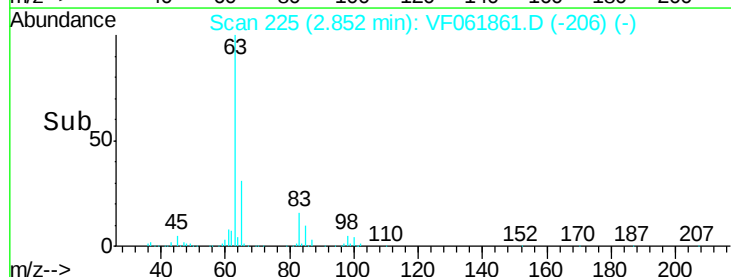
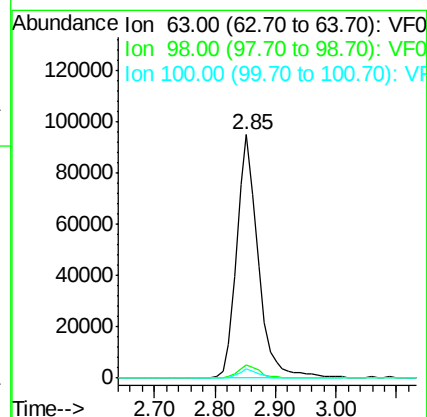
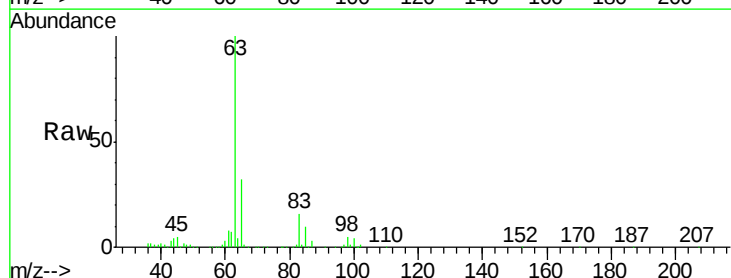
Tgt Ion: 63 Resp: 234984

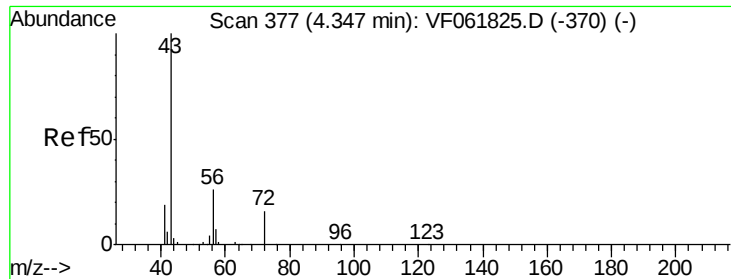
Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.6

100 3.8 1.8 5.3





#25

2-Butanone

Concen: 247.469 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.05 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

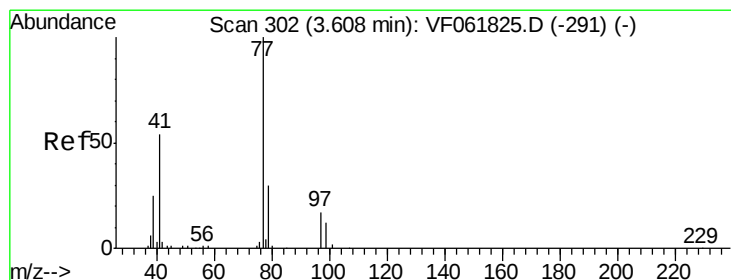
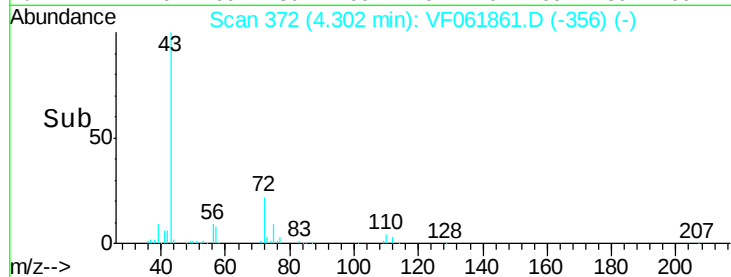
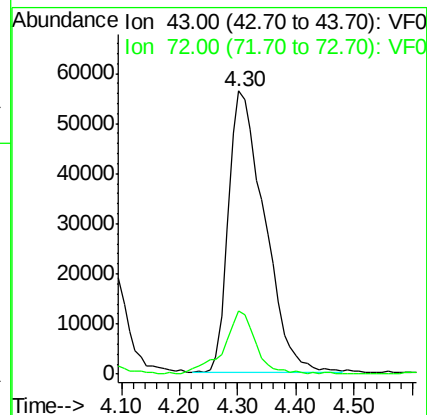
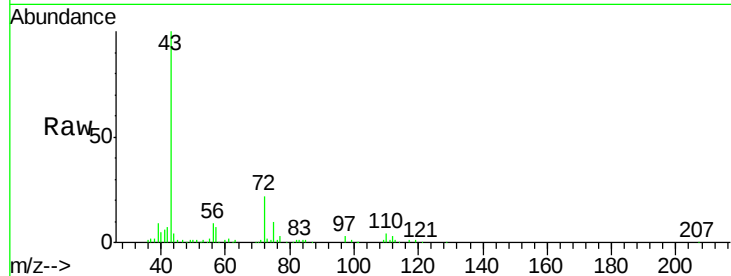
VSTDCCC050

Tot Ion: 43 Resp: 240963

Ion Ratio Lower Upper

43 100

72 22.3 16.2 24.4



#26

2,2-Dichloropropane

Concen: 57.435 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.04 min

Lab File: VF061861.D

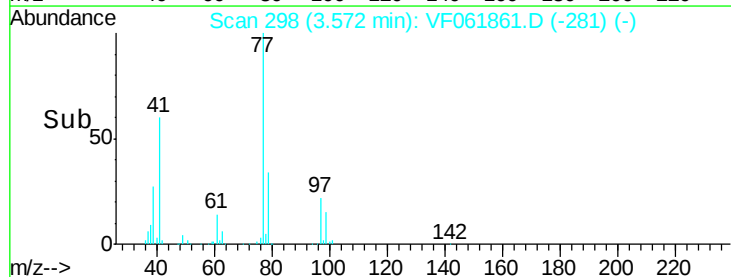
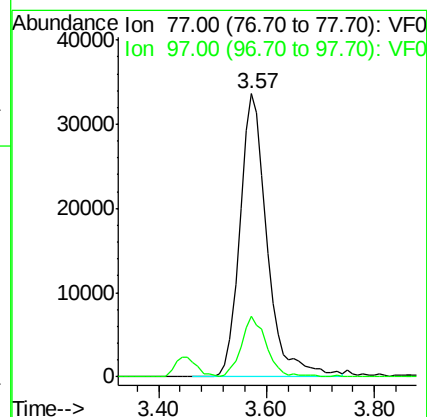
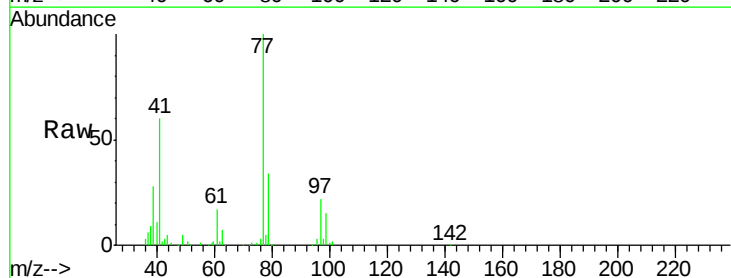
Acq: 8 Mar 2019 13:27

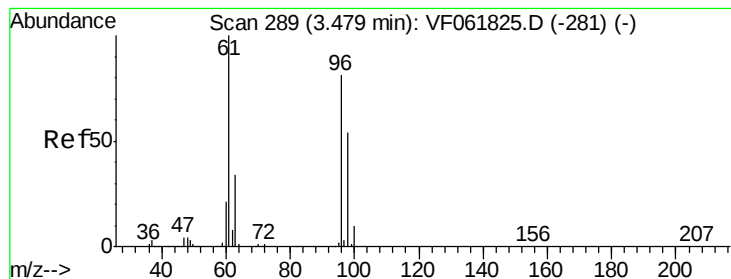
Tgt Ion: 77 Resp: 117864

Ion Ratio Lower Upper

77 100

97 21.5 10.4 31.4



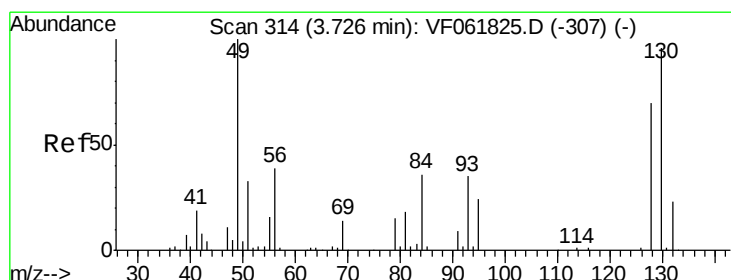
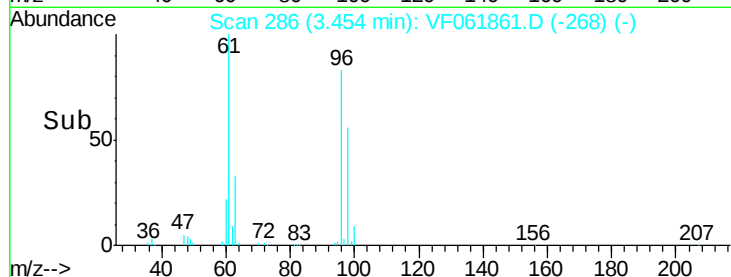
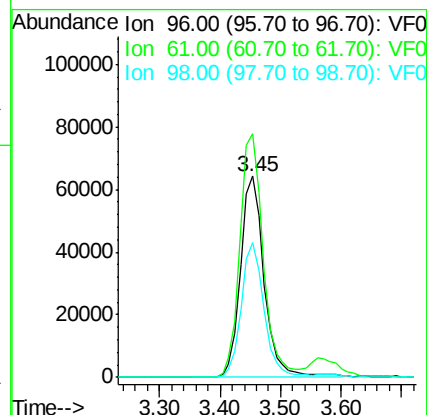
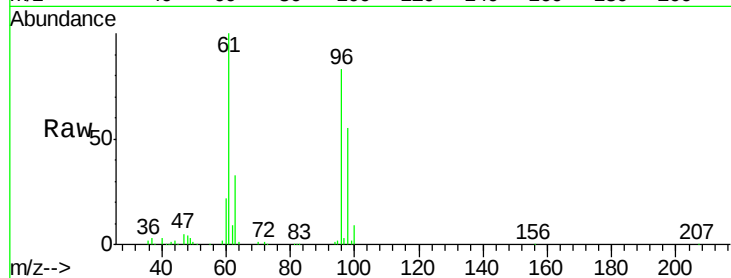


#27

cis-1,2-Dichloroethene
Concen: 49.948 ug/l
RT: 3.45 min Scan# 286
Delta R.T. -0.03 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

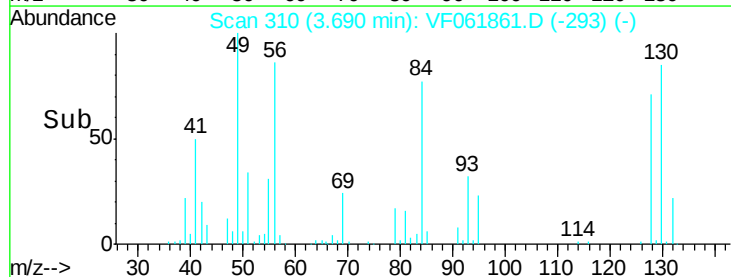
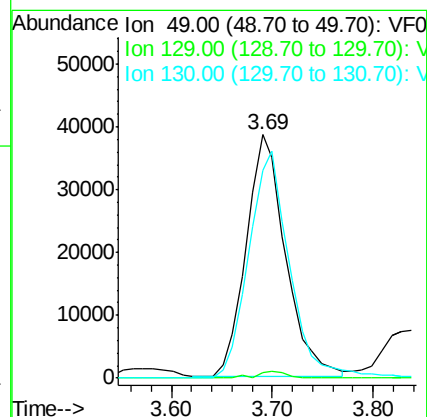
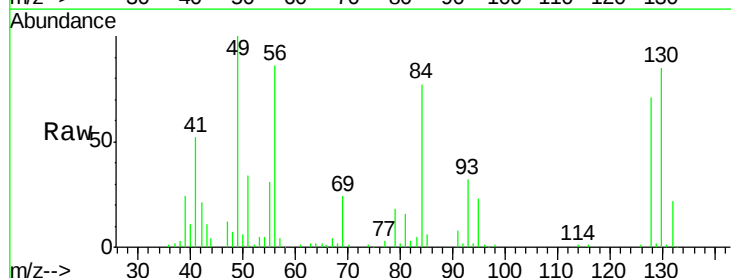
Tot Ion: 96 Resp: 174788
Ion Ratio Lower Upper
96 100
61 121.2 0.0 245.8
98 67.2 0.0 132.6

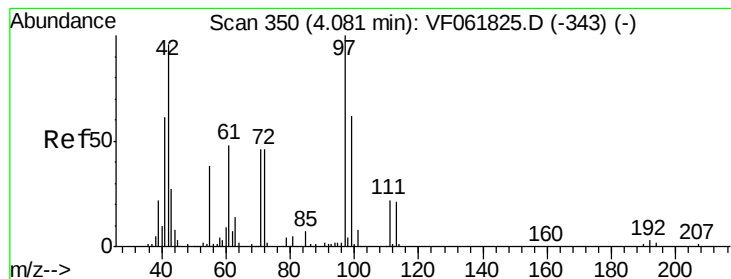


#28

Bromochloromethane
Concen: 52.206 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion: 49 Resp: 104613
Ion Ratio Lower Upper
49 100
129 2.3 0.0 0.0#
130 85.1 76.9 115.3





#29

Tetrahydrofuran

Concen: 235.934 ug/l

RT: 4.05 min Scan# 346

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

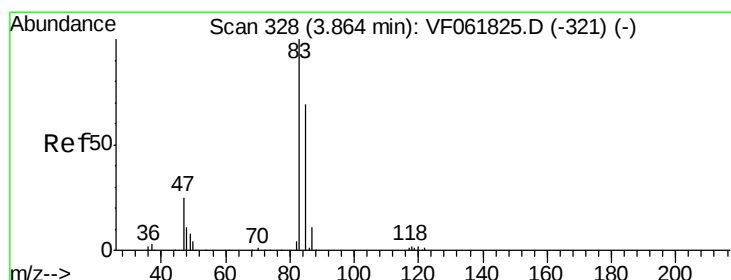
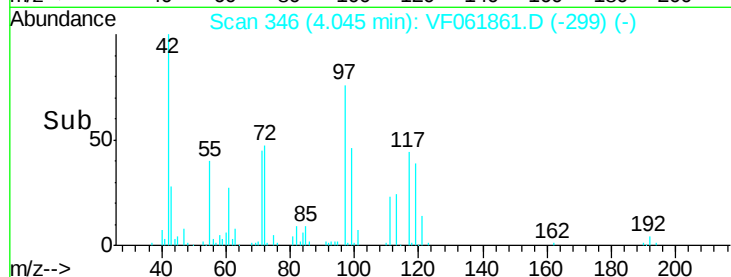
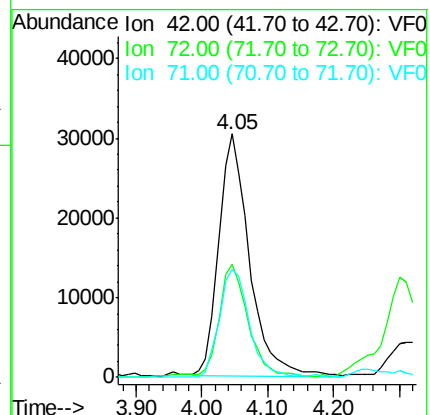
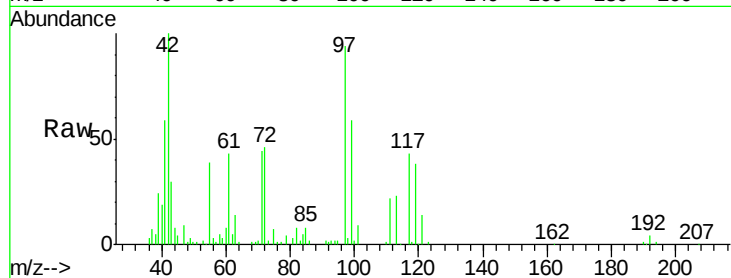
Tot Ion: 42 Resp: 99076

Ion Ratio Lower Upper

42 100

72 45.1 34.4 51.6

71 43.9 34.6 52.0



#30

Chloroform

Concen: 51.226 ug/l

RT: 3.83 min Scan# 324

Delta R.T. -0.04 min

Lab File: VF061861.D

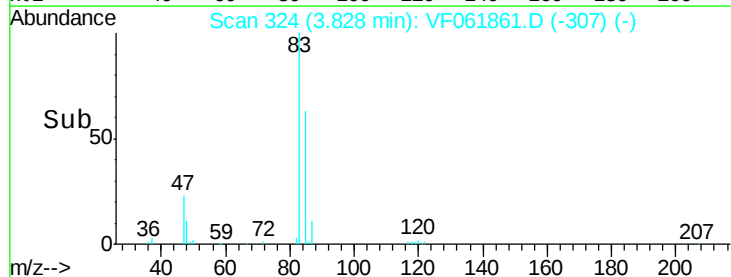
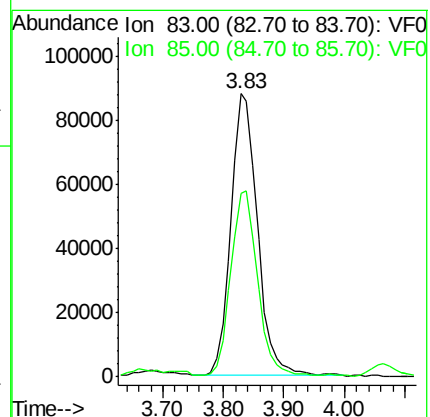
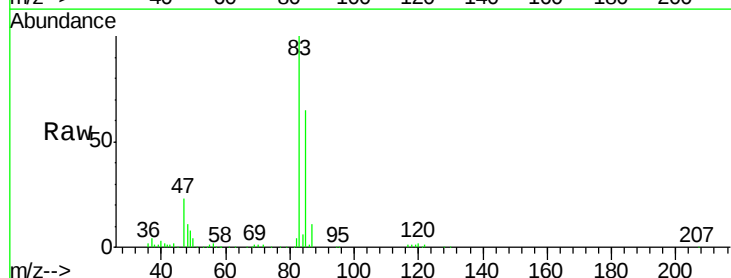
Acq: 8 Mar 2019 13:27

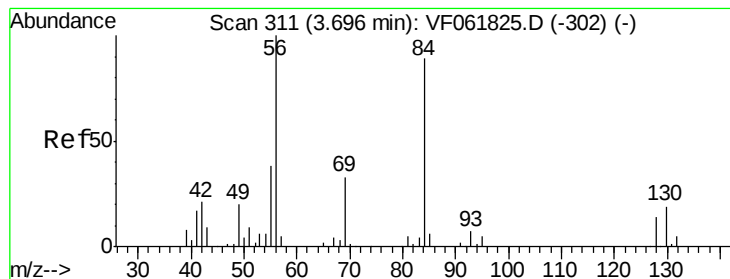
Tgt Ion: 83 Resp: 268974

Ion Ratio Lower Upper

83 100

85 64.8 55.3 82.9





#31

Cyclohexane

Concen: 49.661 ug/l

RT: 3.67 min Scan# 308

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

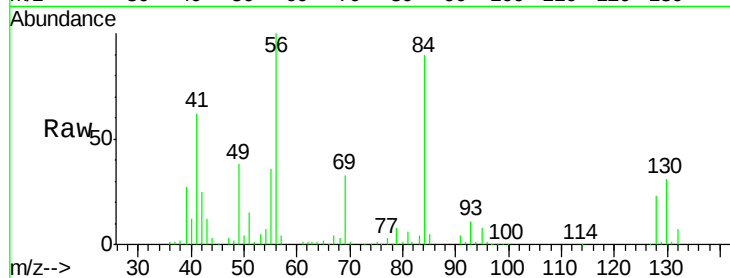
Tot Ion: 56 Resp: 239110

Ion Ratio Lower Upper

56 100

69 32.9 26.0 39.0

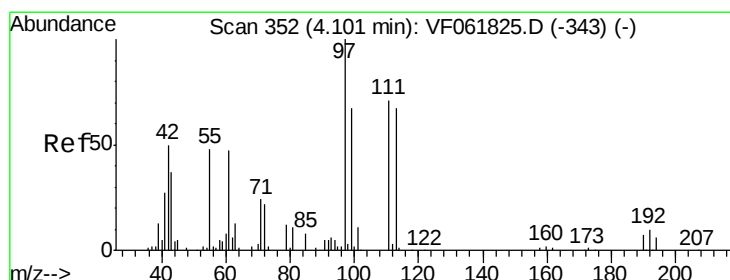
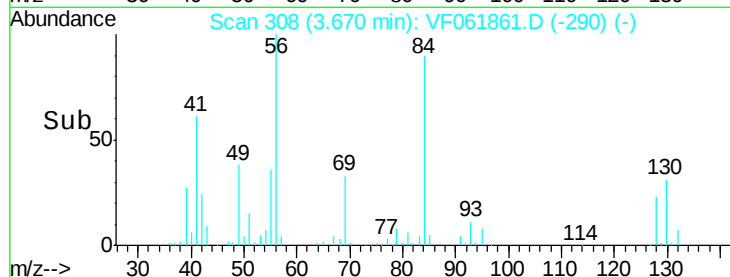
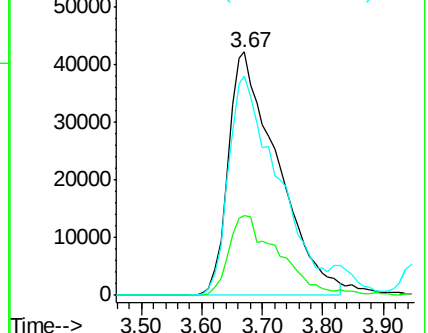
84 90.2 71.0 106.6



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: 61.520 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

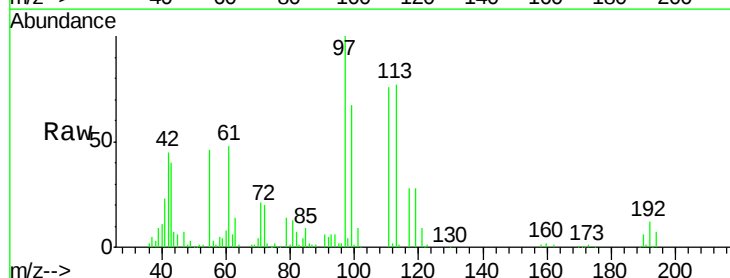
Tgt Ion: 97 Resp: 199110

Ion Ratio Lower Upper

97 100

99 67.4 53.8 80.8

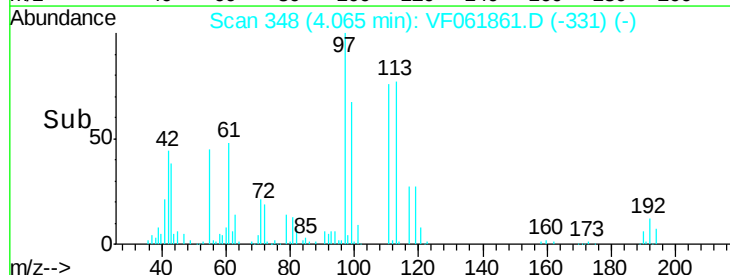
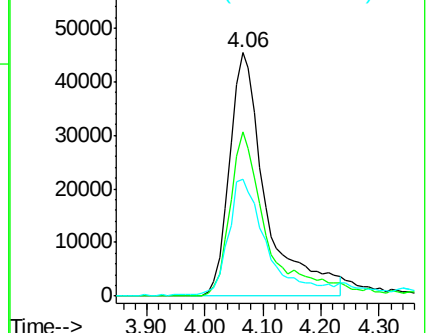
61 48.0 37.9 56.9

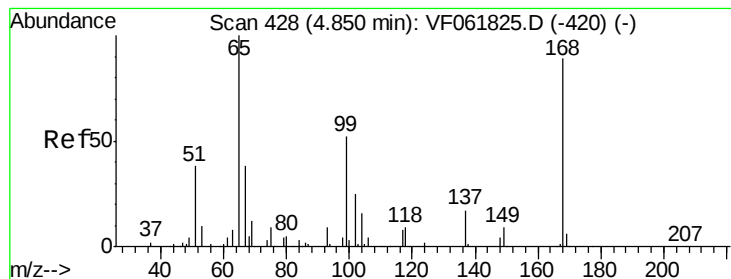


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 55.392 ug/l

RT: 4.81 min Scan# 424

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampled :

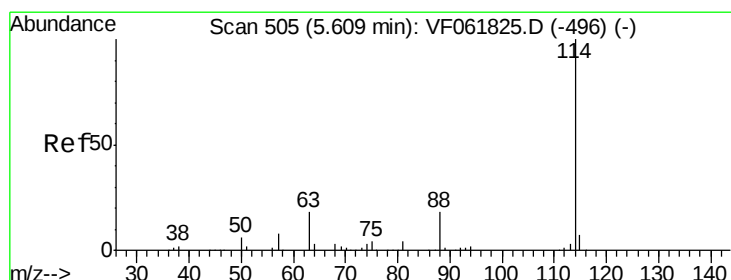
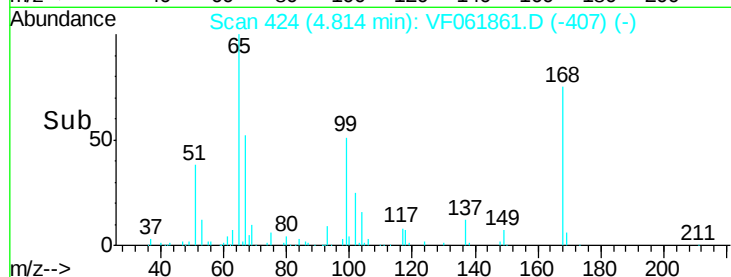
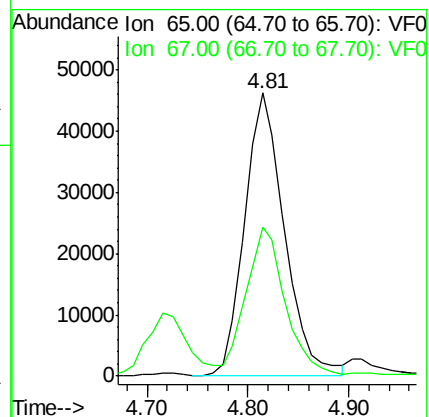
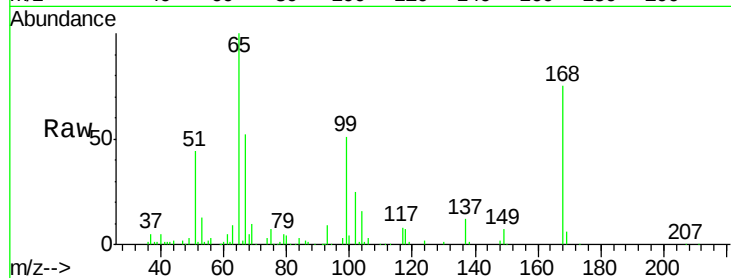
VSTDCCC050

Tot Ion: 65 Resp: 126585

Ion Ratio Lower Upper

65 100

67 52.4 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

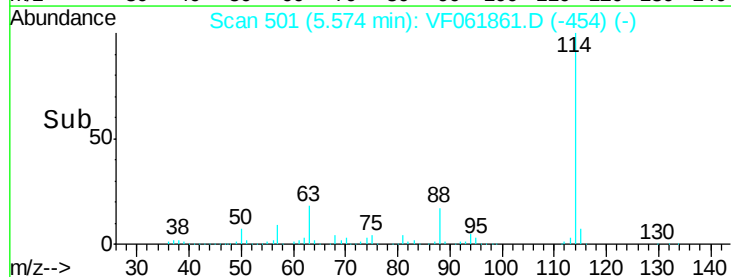
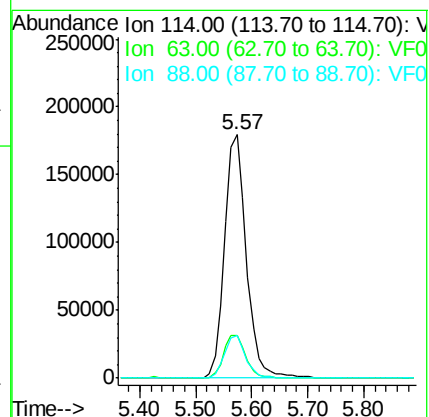
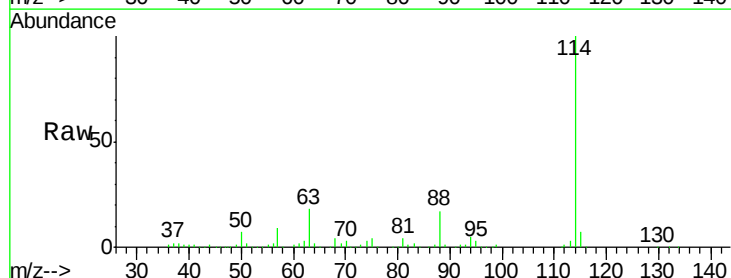
Tgt Ion: 114 Resp: 487856

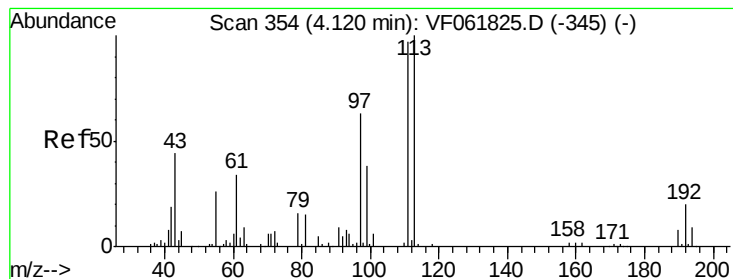
Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.6

88 17.5 0.0 35.6





#35

Dibromofluoromethane

Concen: 52.666 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

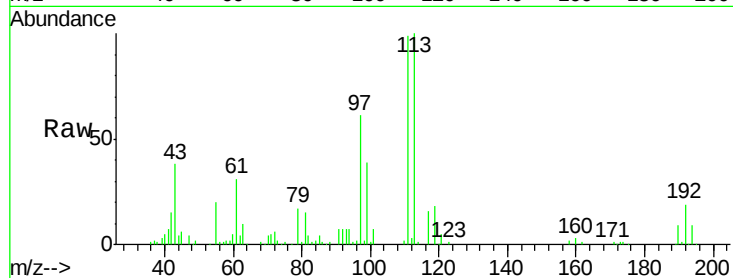
Tot Ion:113 Resp: 179306

Ion Ratio Lower Upper

113 100

111 99.3 77.6 116.4

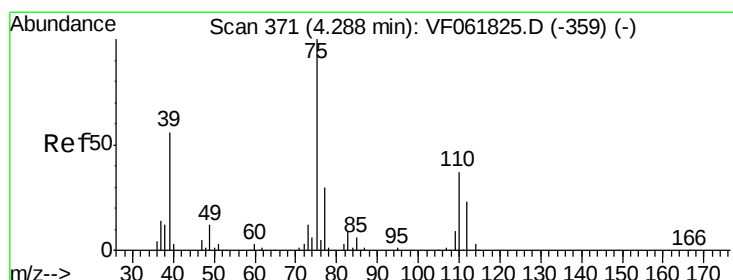
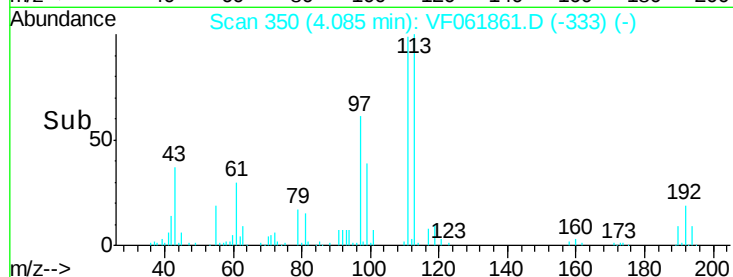
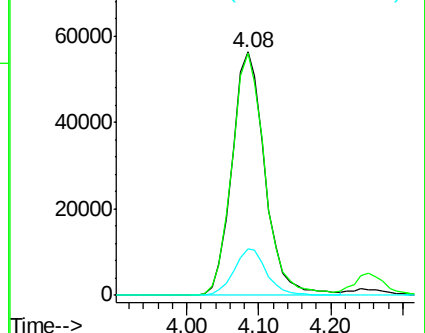
192 19.2 15.9 23.9



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: 47.767 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

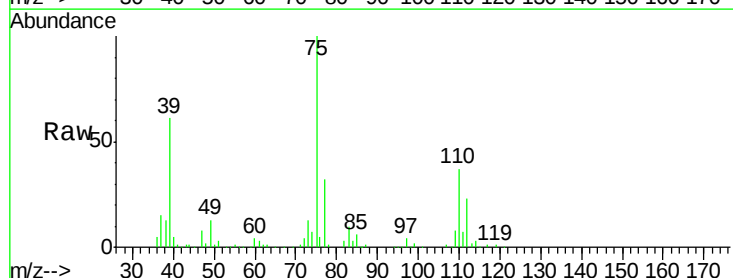
Tgt Ion: 75 Resp: 220127

Ion Ratio Lower Upper

75 100

110 37.2 18.6 55.6

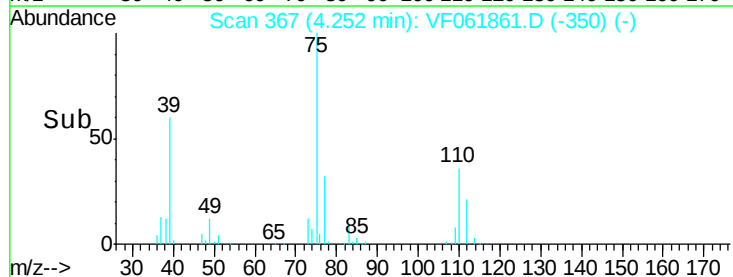
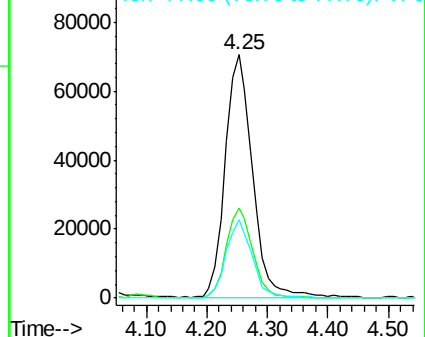
77 32.0 24.2 36.2

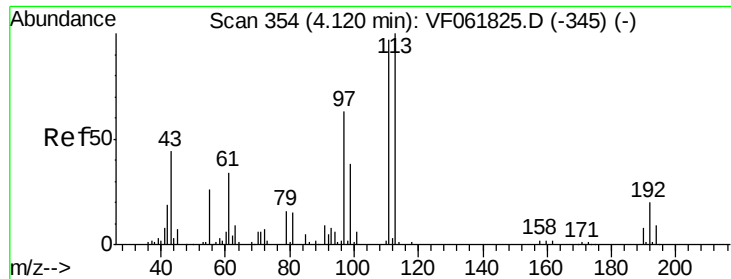


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

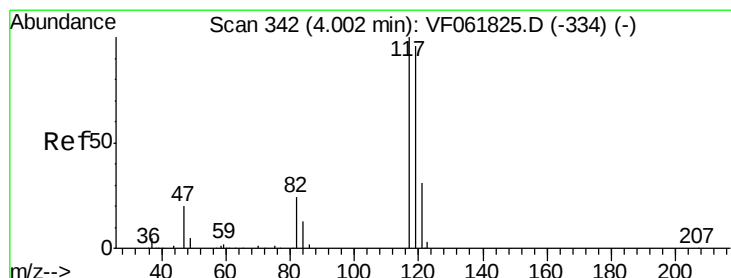
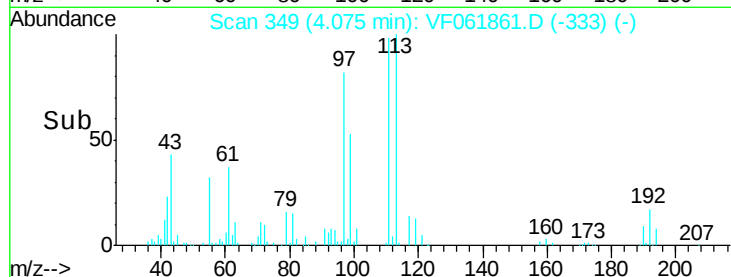
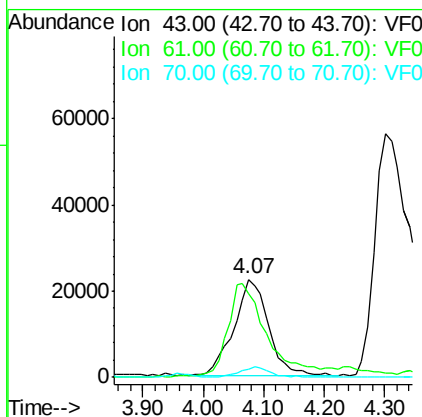
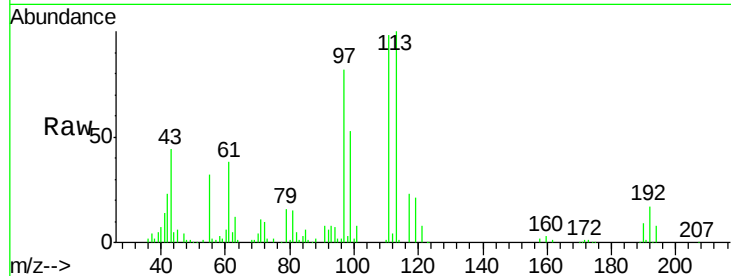




#37
Ethyl Acetate
Concen: 45.486 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.05 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

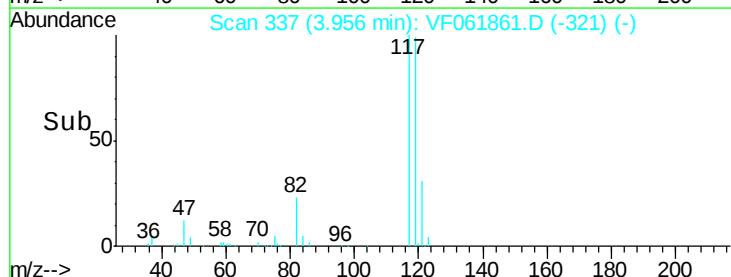
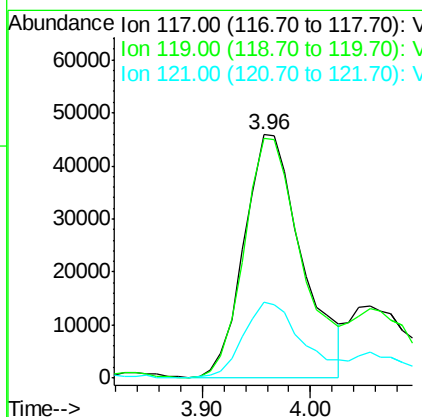
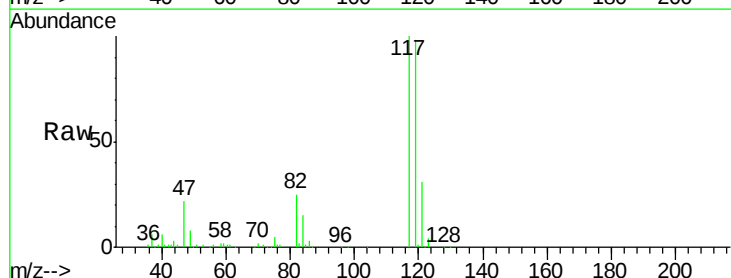
Instrument :
MSVOA_F
ClientSampled :
VSTDCCC050

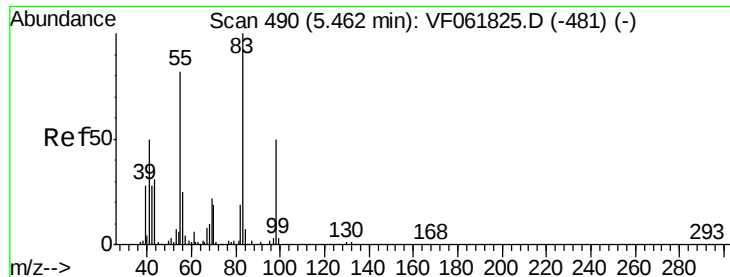
Tot Ion: 43 Resp: 87982
Ion Ratio Lower Upper
43 100
61 85.4 60.7 91.1
70 8.8 10.6 15.8#



#38
Carbon Tetrachloride
Concen: 52.516 ug/l
RT: 3.96 min Scan# 337
Delta R.T. -0.05 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion: 117 Resp: 171321
Ion Ratio Lower Upper
117 100
119 98.4 76.6 114.8
121 31.3 24.4 36.6

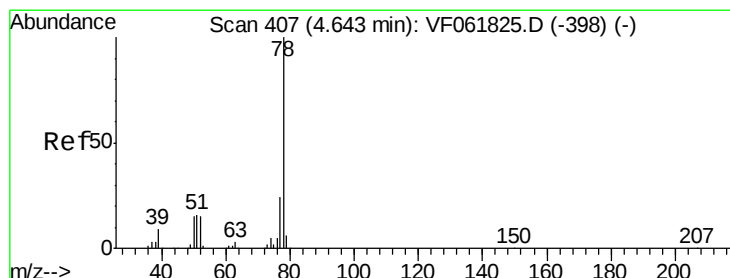
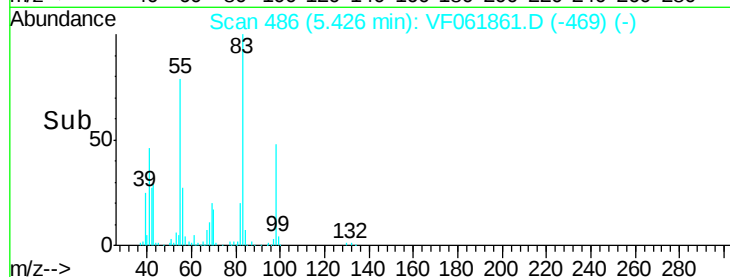
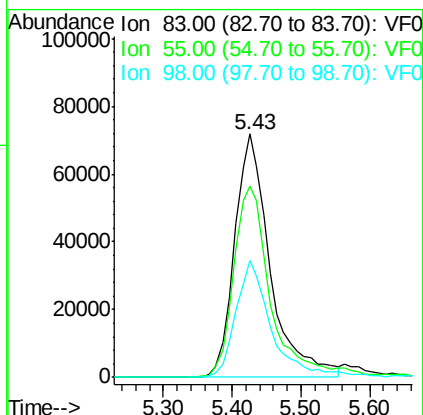
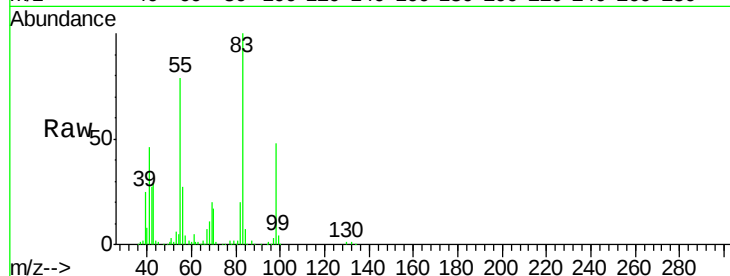




#39
Methvlcvclohexane
Concen: 47.297 ug/l
RT: 5.43 min Scan# 486
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

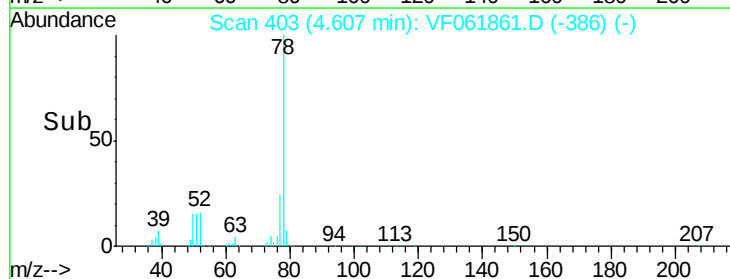
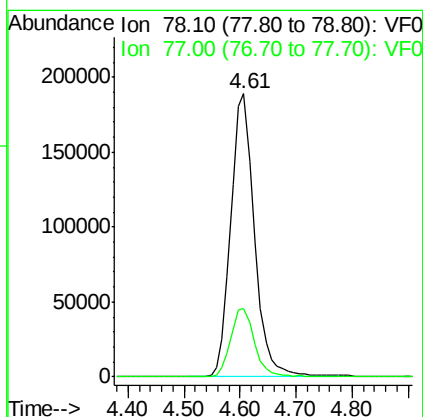
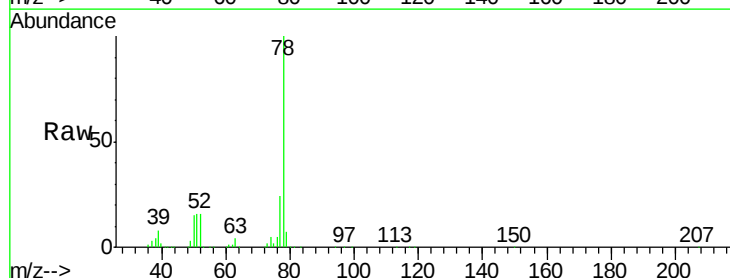
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

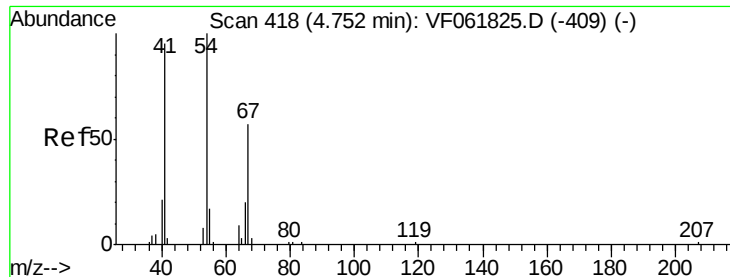
Tot Ion: 83 Resp: 257442
Ion Ratio Lower Upper
83 100
55 78.7 66.0 99.0
98 48.0 39.8 59.6



#40
Benzene
Concen: 46.330 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion: 78 Resp: 558072
Ion Ratio Lower Upper
78 100
77 24.3 19.5 29.3

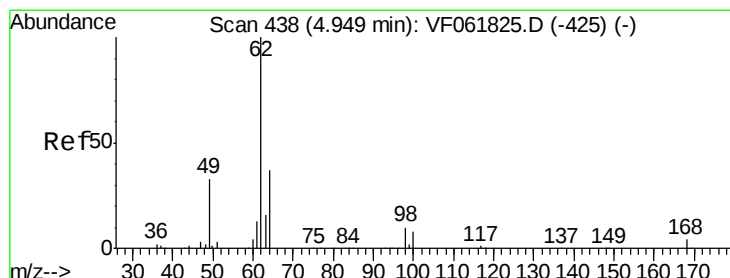
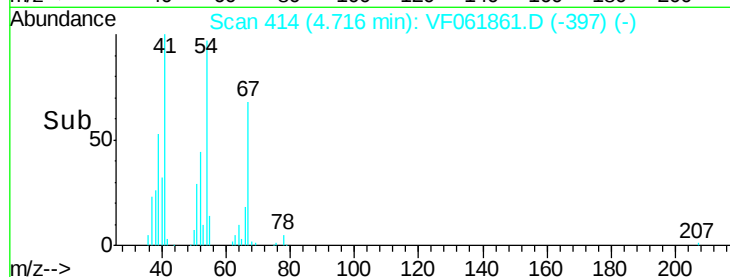
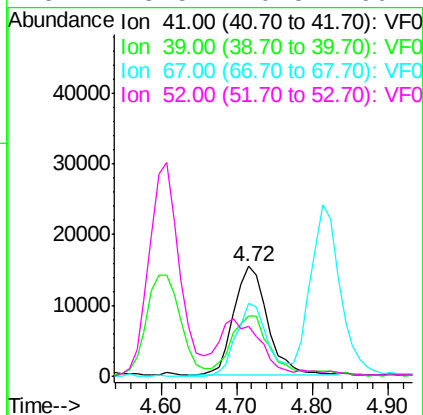
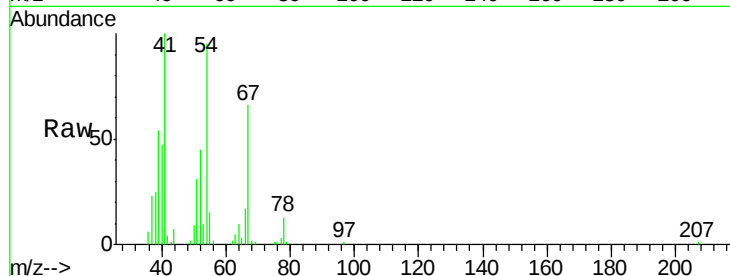




#41
Methacrylonitrile
Concen: 45.199 ug/l
RT: 4.72 min Scan# 414
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

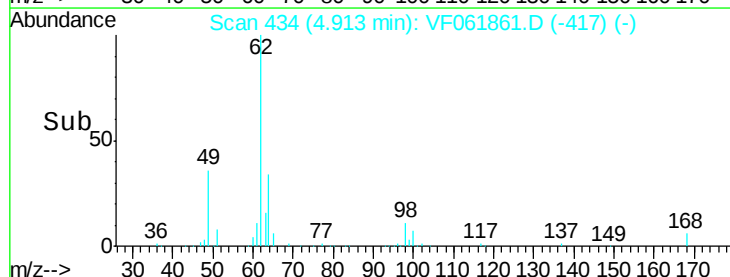
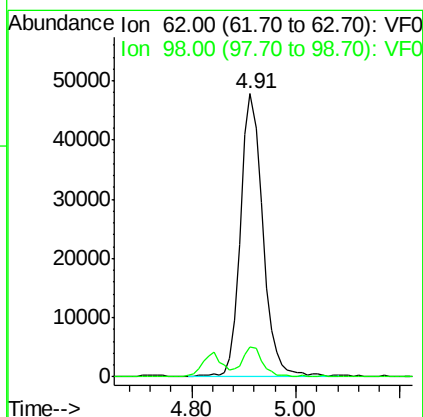
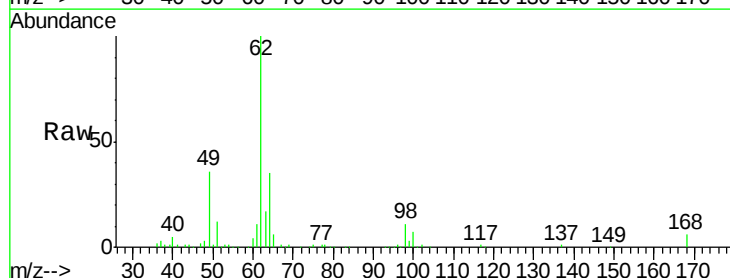
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

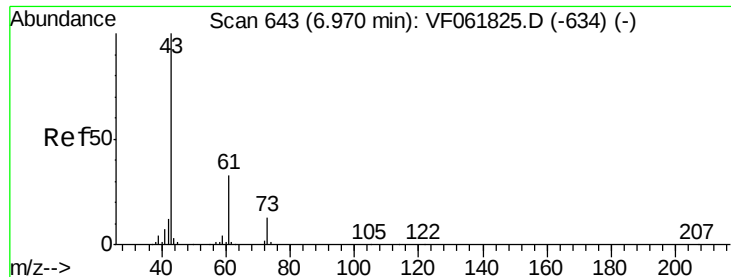
Tot Ion:	41	Resp:	47900
Ion	Ratio	Lower	Upper
41	100		
39	54.3	43.0	64.6
67	66.3	47.8	71.8
52	45.5	40.5	60.7



#42
1,2-Dichloroethane
Concen: 46.081 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion:	62	Resp:	138330
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.0





#43

Isopropyl Acetate

Concen: 43.031 ug/l

RT: 6.93 min Scan# 639

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

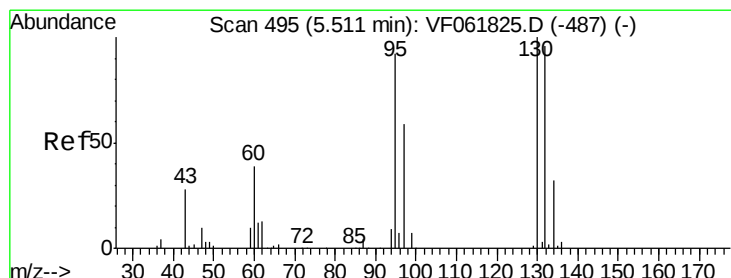
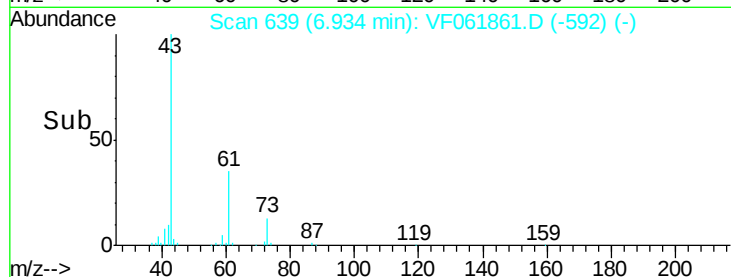
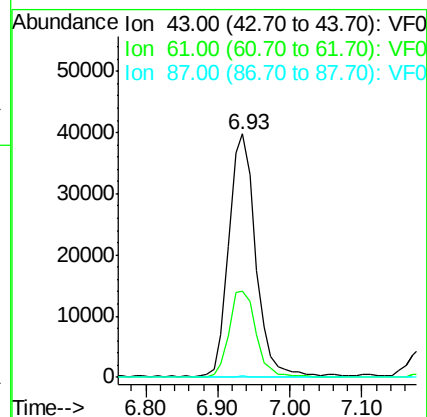
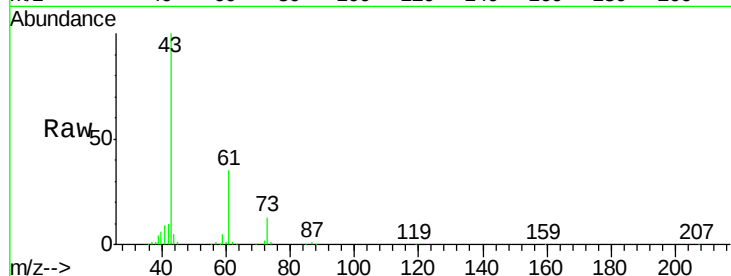
Tot Ion: 43 Resp: 102599

Ion Ratio Lower Upper

43 100

61 35.1 26.1 39.1

87 0.7 0.0 0.0#



#44

Trichloroethene

Concen: 46.416 ug/l

RT: 5.47 min Scan# 491

Delta R.T. -0.04 min

Lab File: VF061861.D

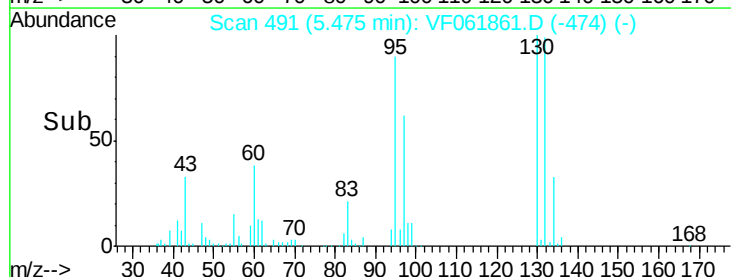
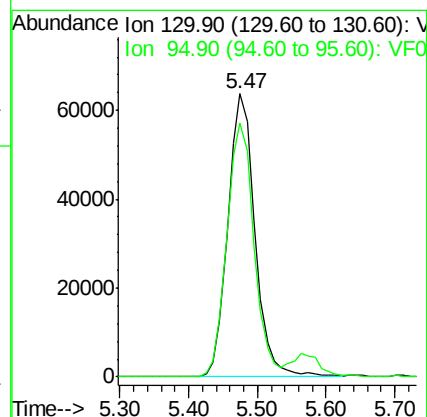
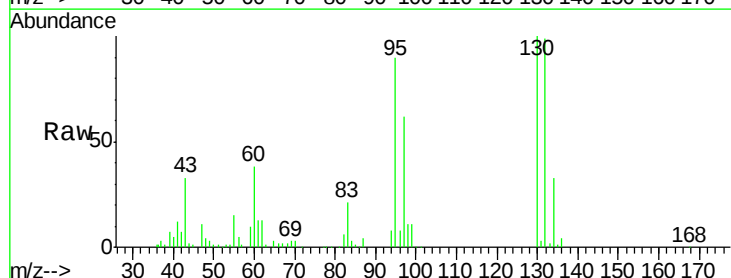
Acq: 8 Mar 2019 13:27

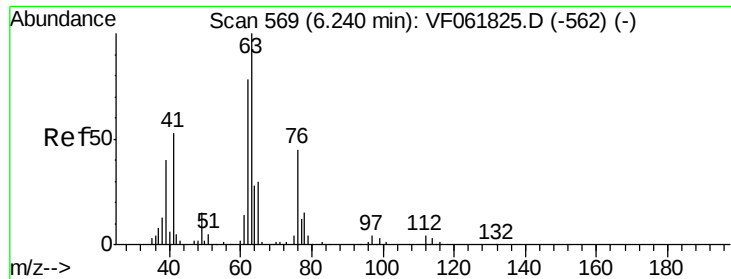
Tgt Ion:130 Resp: 173754

Ion Ratio Lower Upper

130 100

95 89.6 0.0 184.0





#45

1,2-Dichloropropane

Concen: 46.625 ug/l

RT: 6.20 min Scan# 565

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

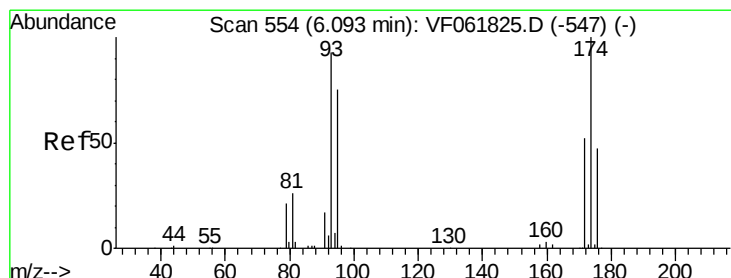
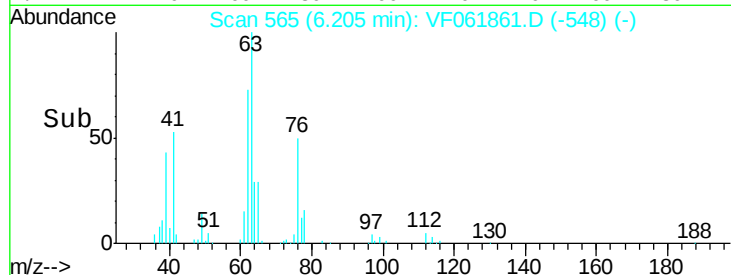
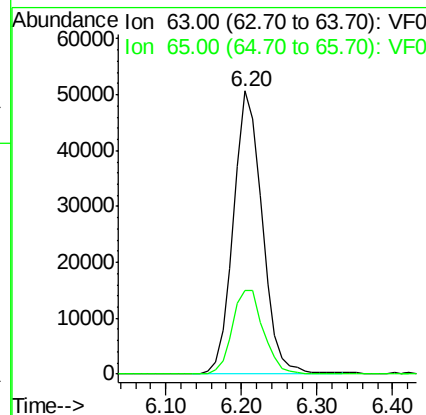
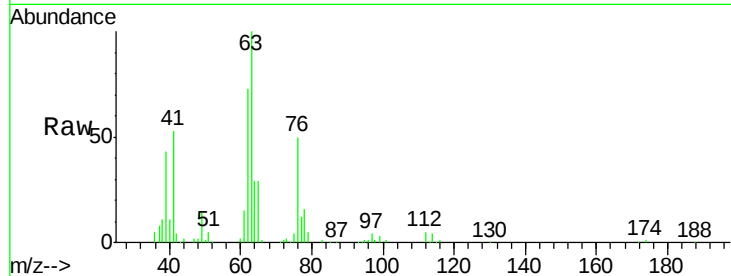
VSTDCCC050

Tot Ion: 63 Resp: 133552

Ion Ratio Lower Upper

63 100

65 29.4 24.0 36.0



#46

Dibromomethane

Concen: 45.437 ug/l

RT: 6.06 min Scan# 550

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

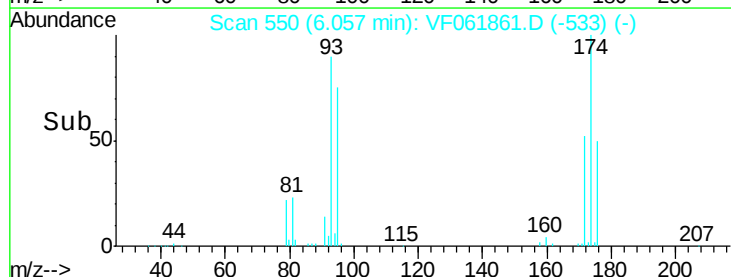
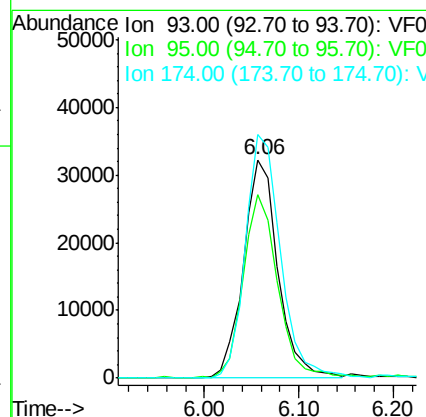
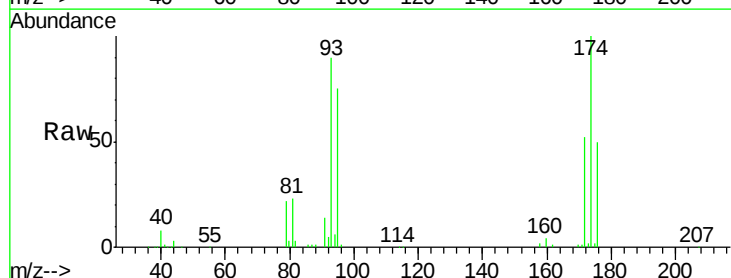
Tgt Ion: 93 Resp: 81910

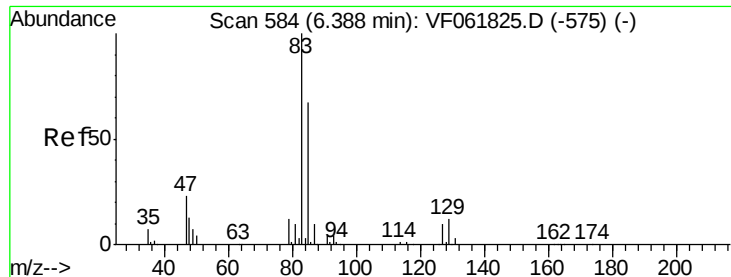
Ion Ratio Lower Upper

93 100

95 84.2 64.4 96.6

174 111.7 85.8 128.6

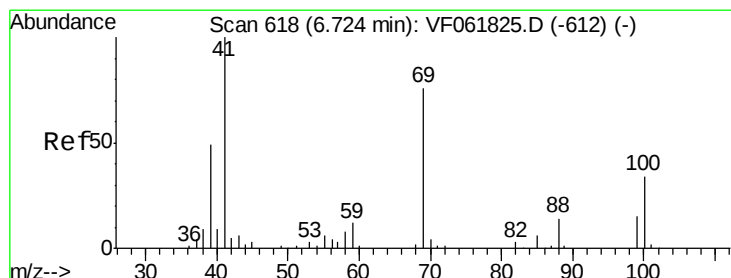
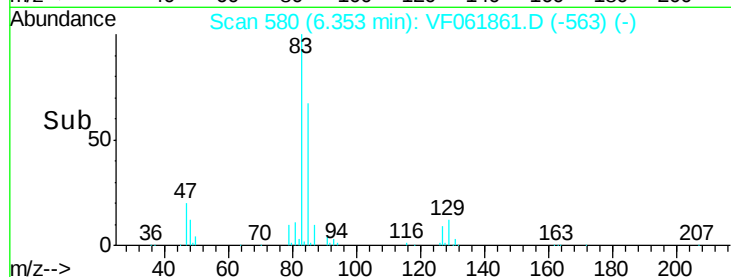
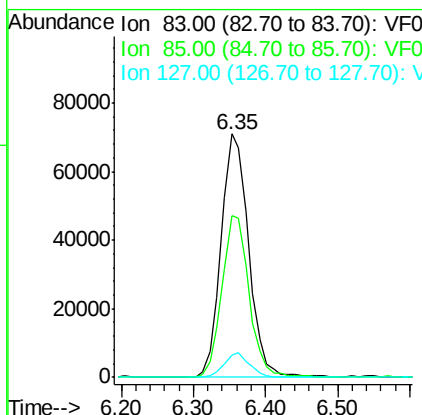
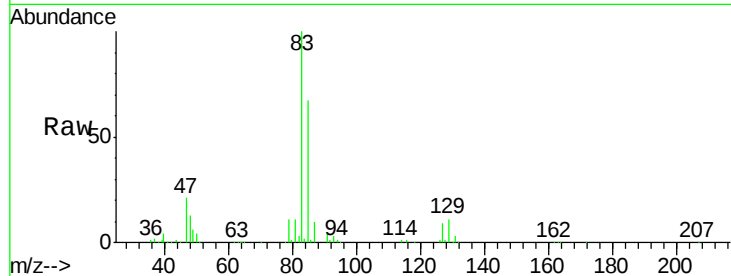




#47
Bromodichloromethane
Concen: 47.205 ug/l
RT: 6.35 min Scan# 580
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

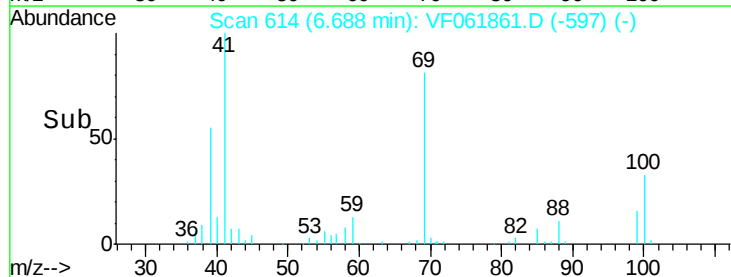
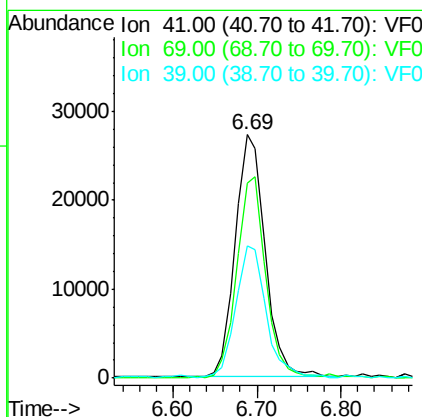
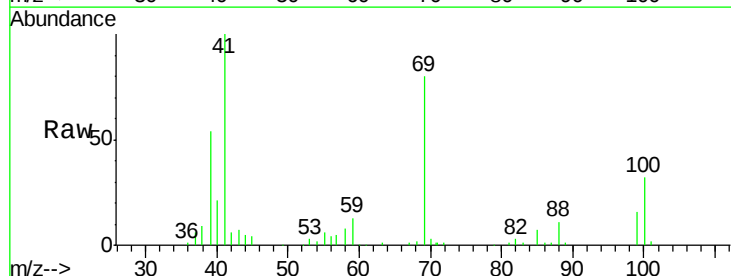
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

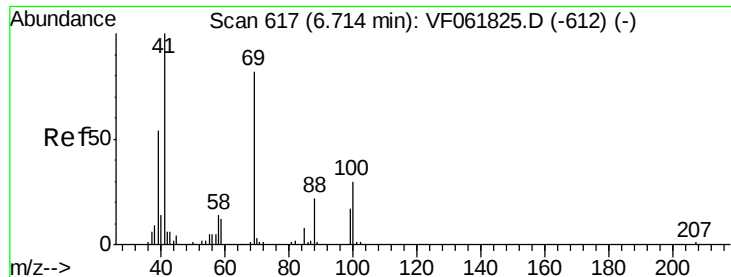
Tot Ion: 83 Resp: 188004
Ion Ratio Lower Upper
83 100
85 66.6 53.6 80.4
127 9.0 8.1 12.1



#48
Methyl methacrylate
Concen: 44.921 ug/l
RT: 6.69 min Scan# 614
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion: 41 Resp: 67785
Ion Ratio Lower Upper
41 100
69 80.1 60.4 90.6
39 54.2 39.7 59.5





#49

1,4-Dioxane

Concen: 829.910 ug/l

RT: 6.68 min Scan# 613

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

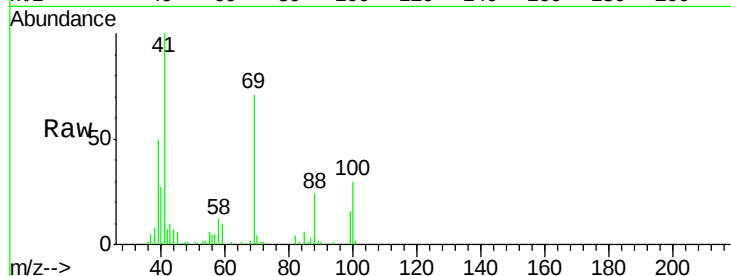
Tot Ion: 88 Resp: 11448

Ion Ratio Lower Upper

88 100

43 42.1 28.4 42.6

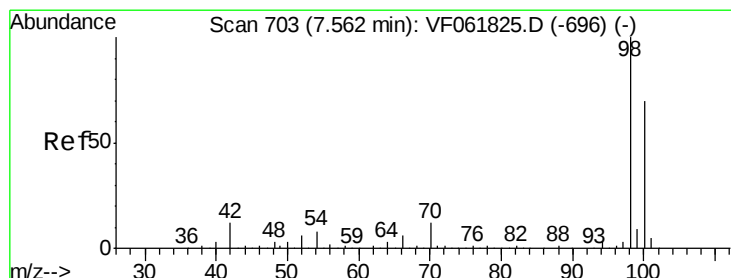
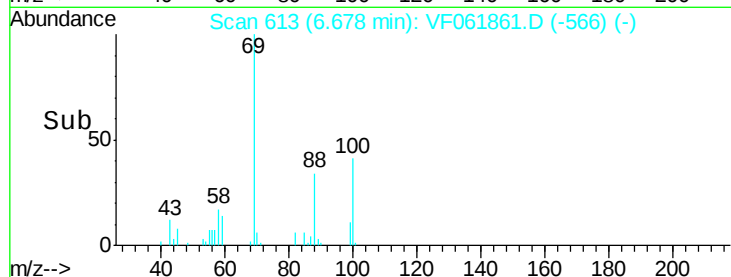
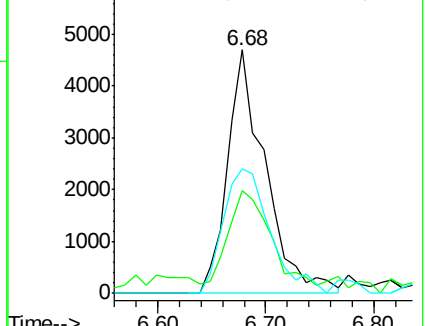
58 51.2 50.7 76.1



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 51.719 ug/l

RT: 7.53 min Scan# 699

Delta R.T. -0.04 min

Lab File: VF061861.D

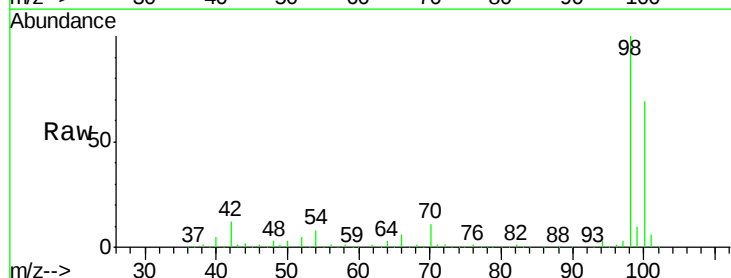
Acq: 8 Mar 2019 13:27

Tgt Ion: 98 Resp: 523366

Ion Ratio Lower Upper

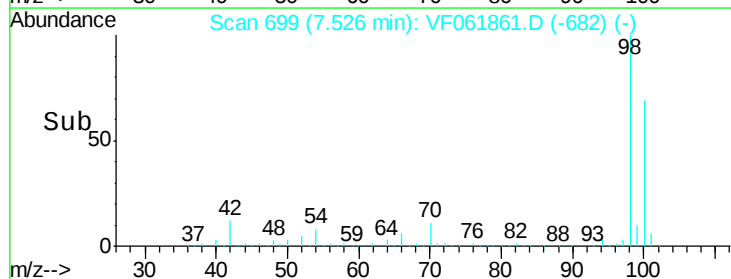
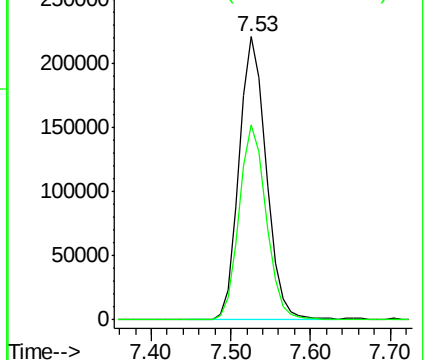
98 100

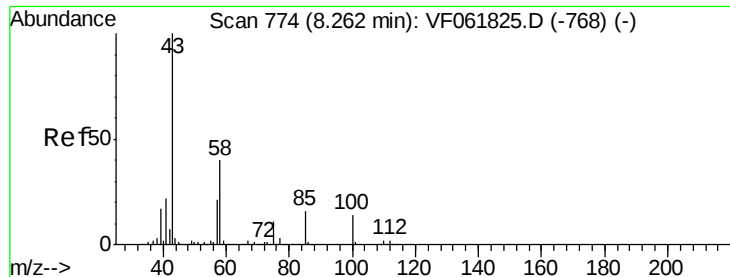
100 68.8 56.0 84.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 220.220 ug/l

RT: 8.23 min Scan# 770

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

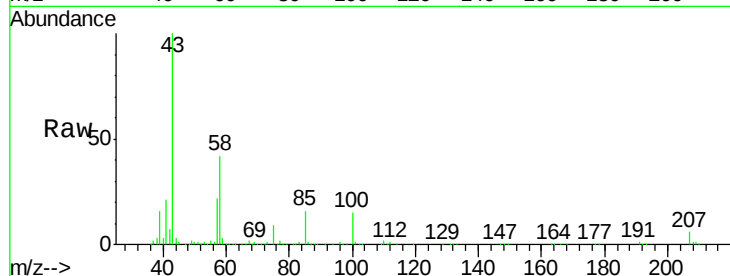
VSTDCCC050

Tot Ion: 43 Resp: 362898

Ion Ratio Lower Upper

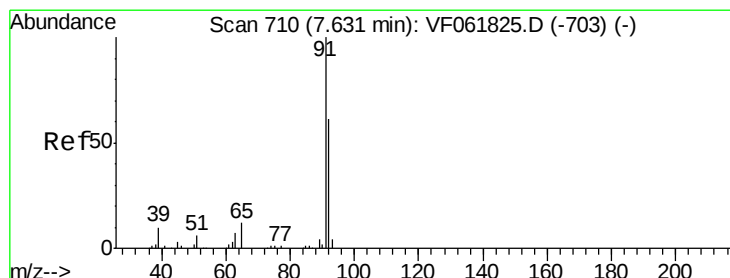
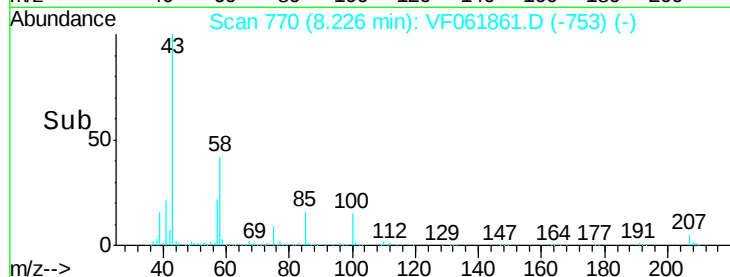
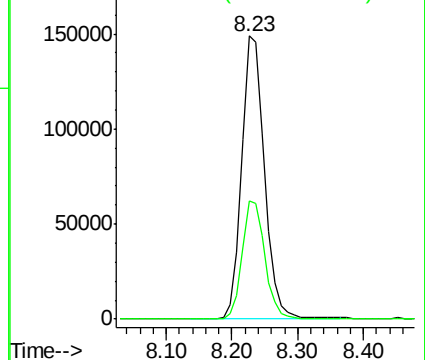
43 100

58 41.8 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: 45.589 ug/l

RT: 7.60 min Scan# 706

Delta R.T. -0.04 min

Lab File: VF061861.D

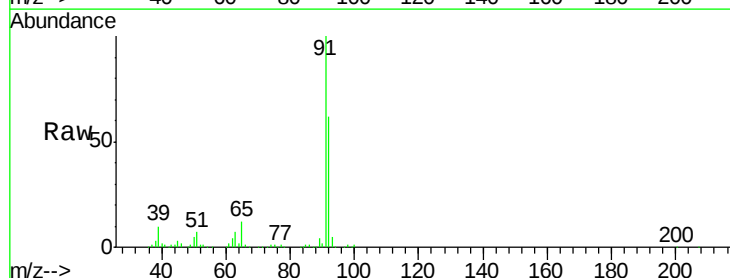
Acq: 8 Mar 2019 13:27

Tgt Ion: 92 Resp: 324866

Ion Ratio Lower Upper

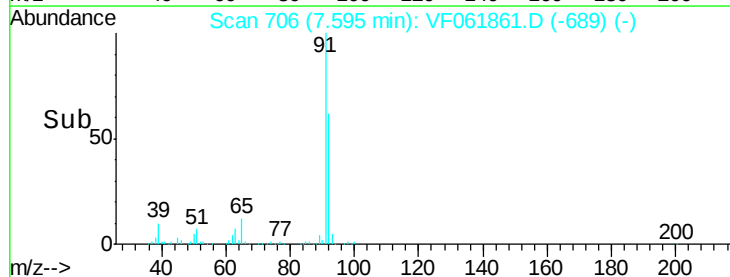
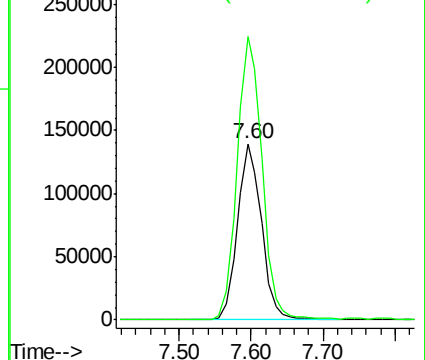
92 100

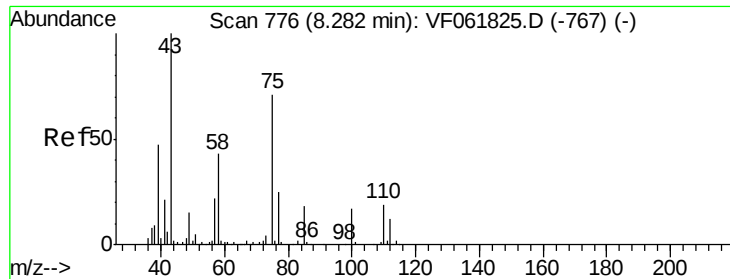
91 160.7 132.0 198.0



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: 46.023 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

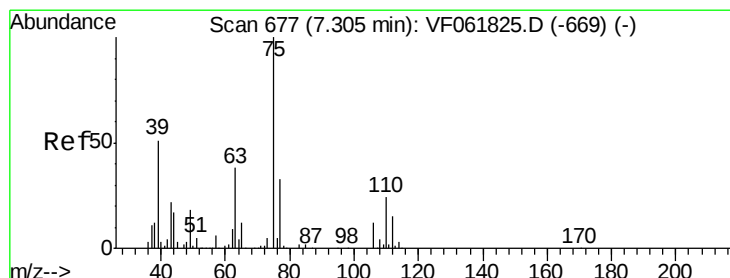
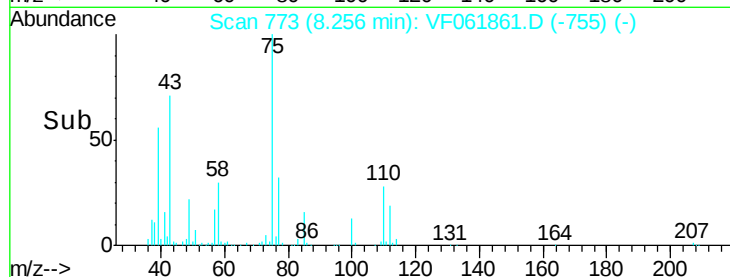
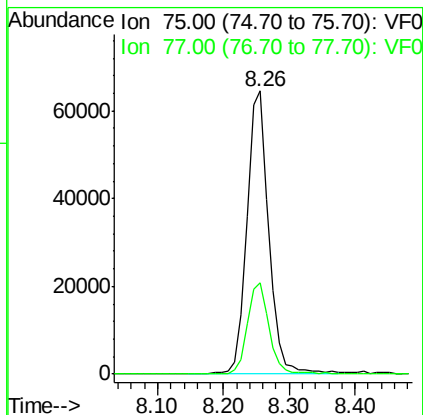
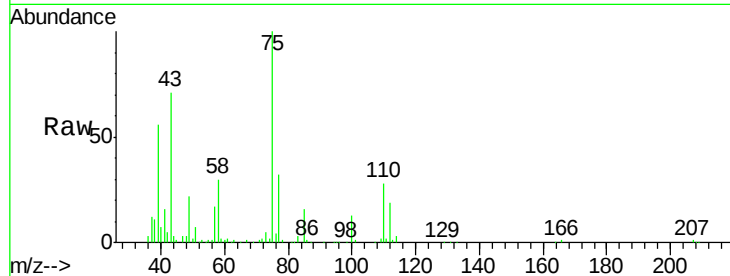
VSTDCCC050

Tot Ion: 75 Resp: 151301

Ion Ratio Lower Upper

75 100

77 32.1 28.0 42.0



#54

cis-1,3-Dichloropropene

Concen: 47.129 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

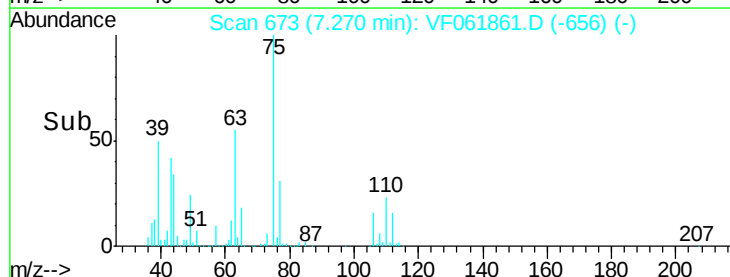
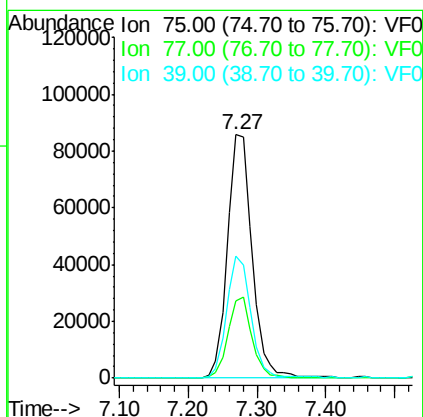
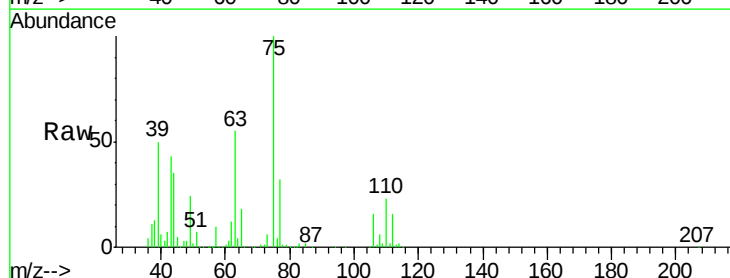
Tgt Ion: 75 Resp: 213708

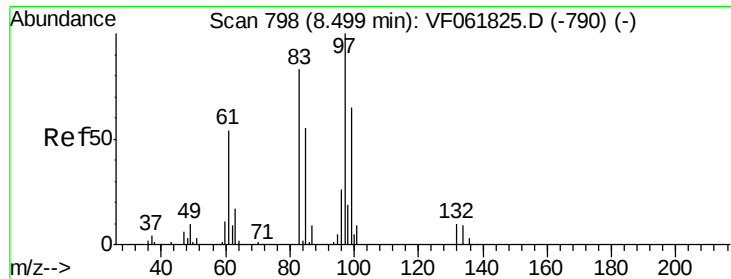
Ion Ratio Lower Upper

75 100

77 31.5 26.3 39.5

39 49.9 40.8 61.2





#55

1,1,2-Trichloroethane

Concen: 45.535 ug/l

RT: 8.46 min Scan# 794

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 93490

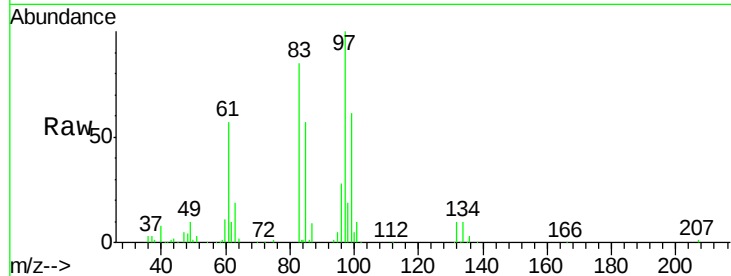
Ion Ratio Lower Upper

97 100

83 85.2 66.5 99.7

85 57.3 44.2 66.2

99 61.4 51.8 77.6

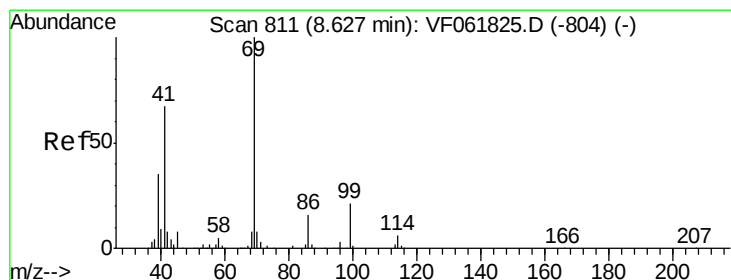
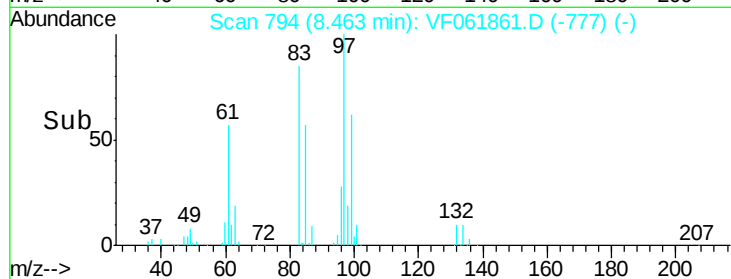
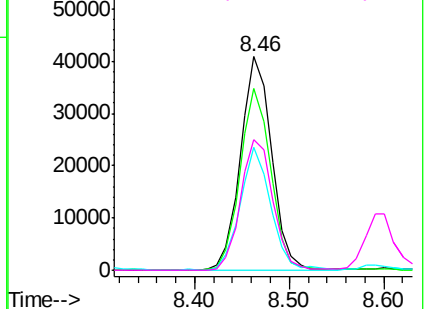


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 48.624 ug/l

RT: 8.59 min Scan# 807

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

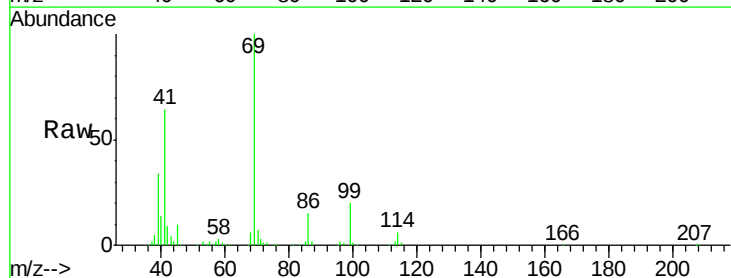
Tgt Ion: 69 Resp: 112511

Ion Ratio Lower Upper

69 100

41 64.4 53.9 80.9

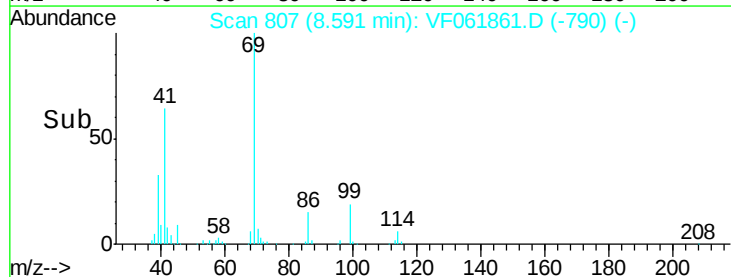
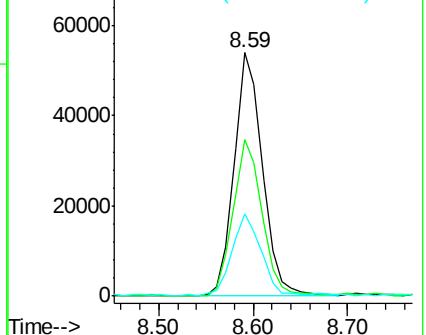
39 33.8 28.3 42.5

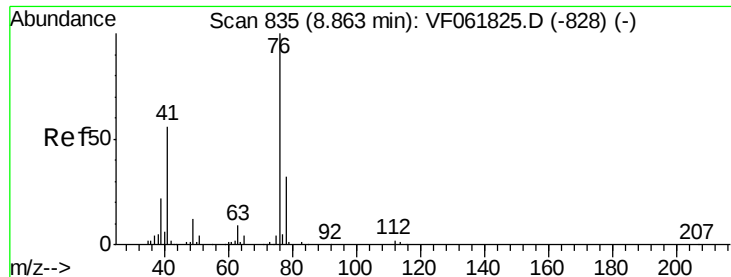


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 46.577 ug/l

RT: 8.83 min Scan# 831

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

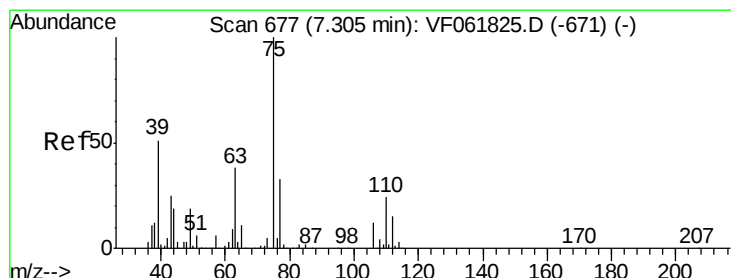
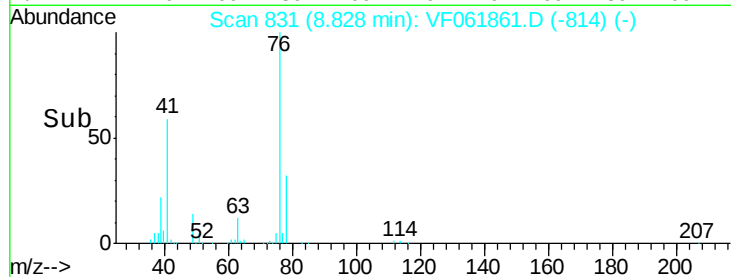
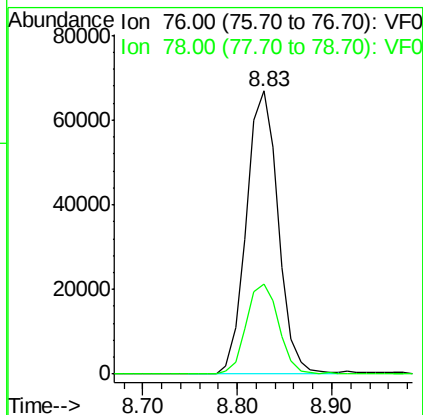
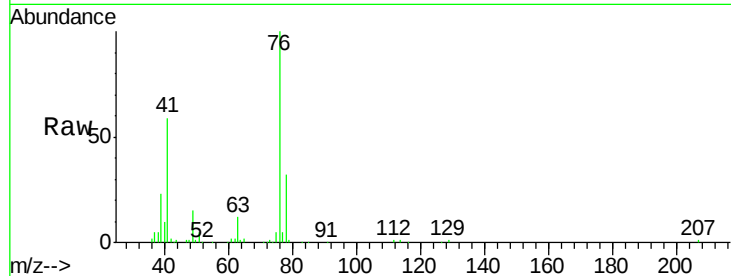
VSTDCCC050

Tot Ion: 76 Resp: 156393

Ion Ratio Lower Upper

76 100

78 31.7 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 288.372 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.04 min

Lab File: VF061861.D

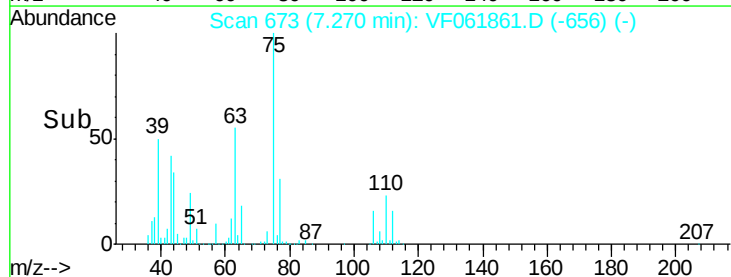
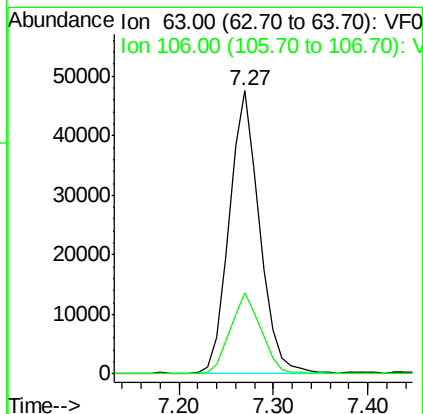
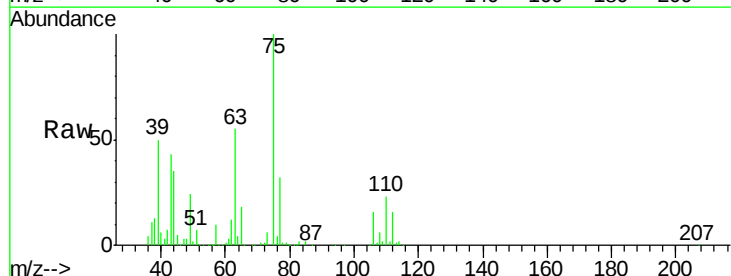
Acq: 8 Mar 2019 13:27

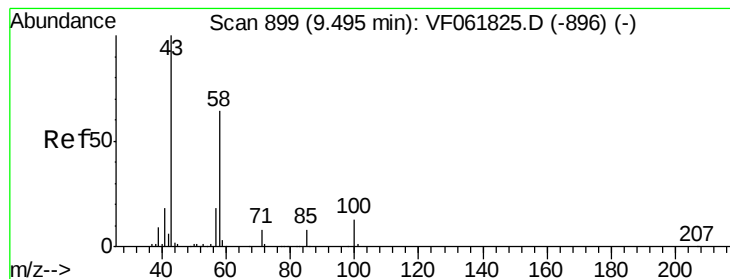
Tgt Ion: 63 Resp: 105555

Ion Ratio Lower Upper

63 100

106 28.7 24.3 36.5





#59

2-Hexanone

Concen: 230.215 ug/l

RT: 9.47 min Scan# 896

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

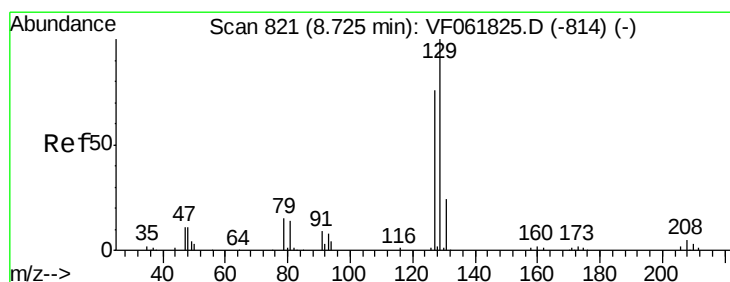
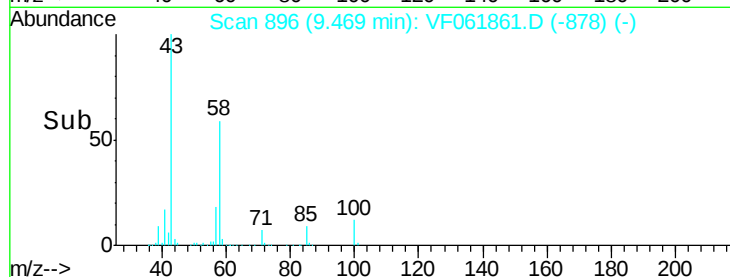
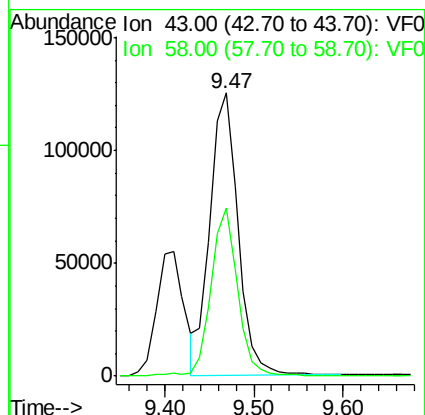
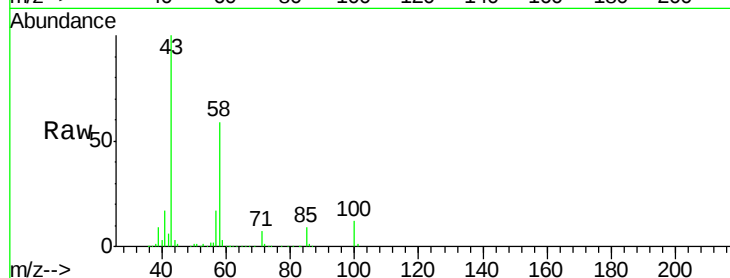
VSTDCCC050

Tot Ion: 43 Resp: 273682

Ion Ratio Lower Upper

43 100

58 59.3 28.8 86.4



#60

Dibromochloromethane

Concen: 47.540 ug/l

RT: 8.69 min Scan# 817

Delta R.T. -0.04 min

Lab File: VF061861.D

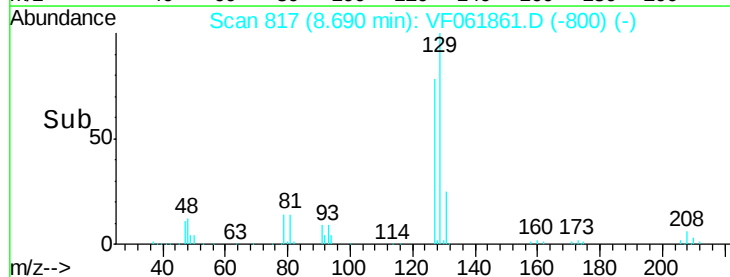
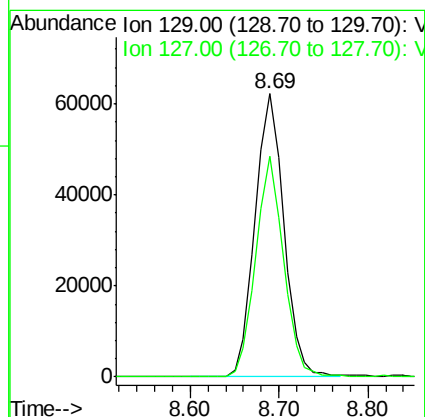
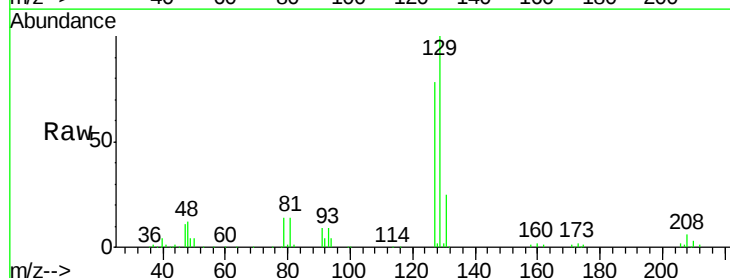
Acq: 8 Mar 2019 13:27

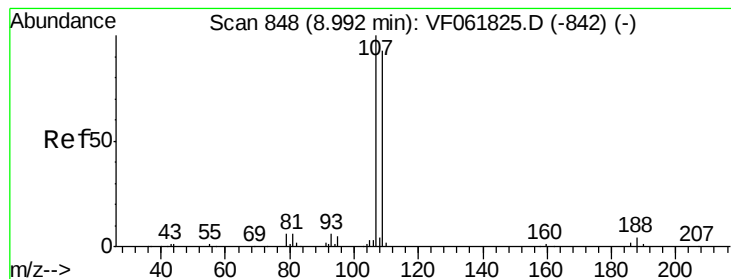
Tgt Ion: 129 Resp: 139114

Ion Ratio Lower Upper

129 100

127 77.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 46.382 ug/l

RT: 8.96 min Scan# 844

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

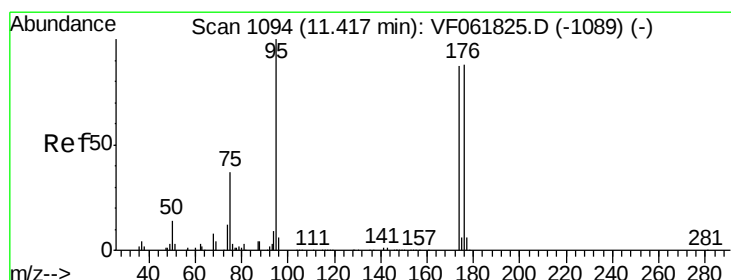
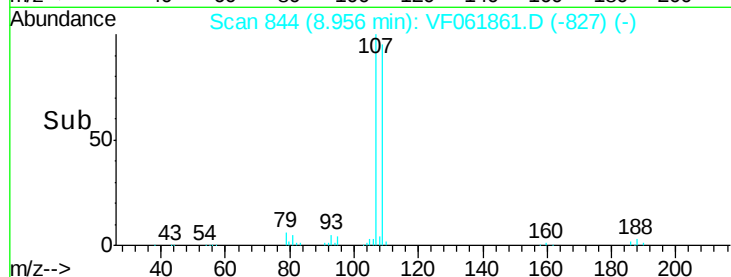
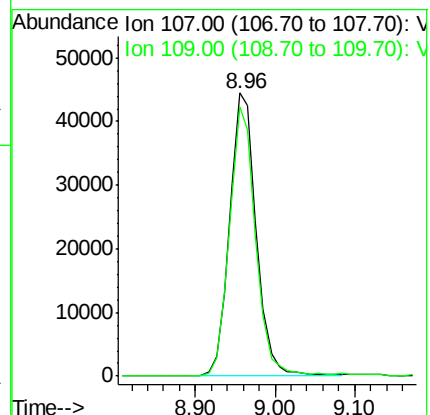
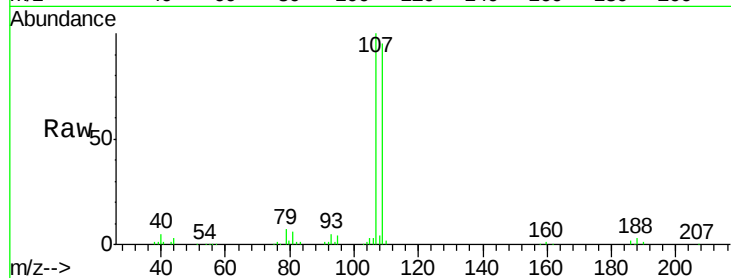
VSTDCCC050

Tot Ion:107 Resp: 104721

Ion Ratio Lower Upper

107 100

109 95.1 74.6 112.0



#62

4-Bromofluorobenzene

Concen: 51.277 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

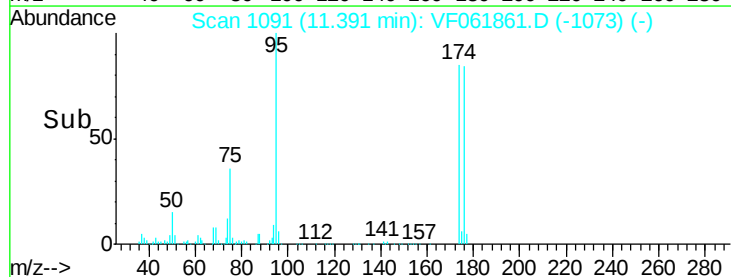
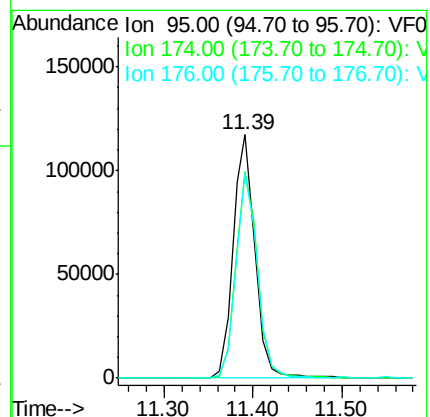
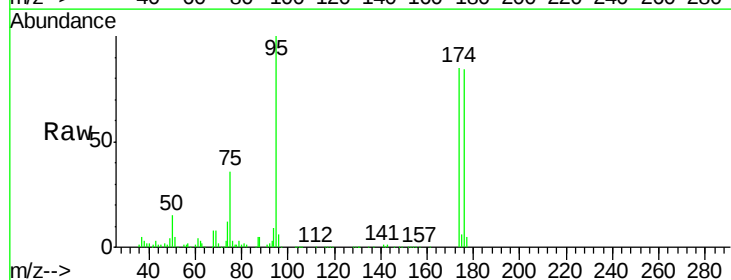
Tgt Ion: 95 Resp: 203264

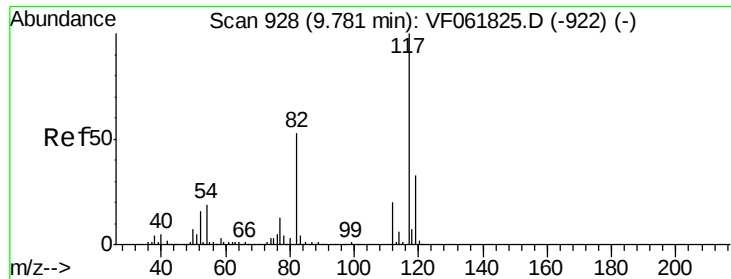
Ion Ratio Lower Upper

95 100

174 84.7 0.0 174.0

176 84.5 0.0 175.2

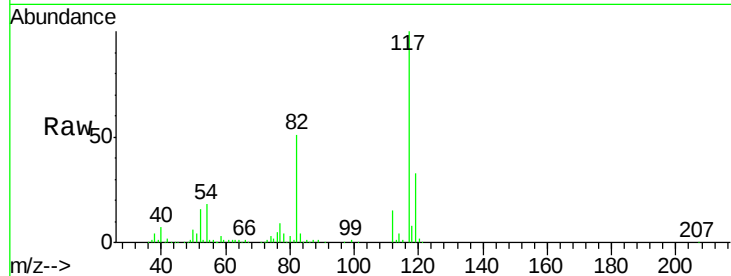




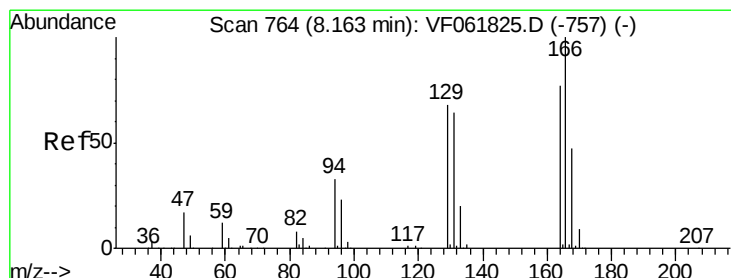
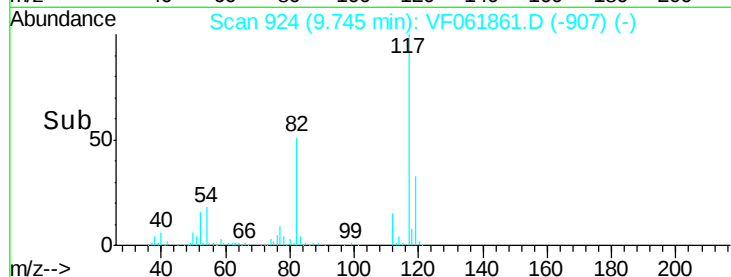
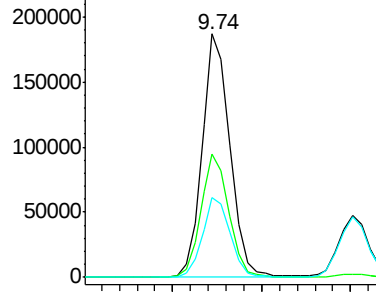
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.74 min Scan# 924
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 409072
Ion Ratio Lower Upper
117 100
82 50.7 42.6 63.8
119 32.9 26.0 39.0

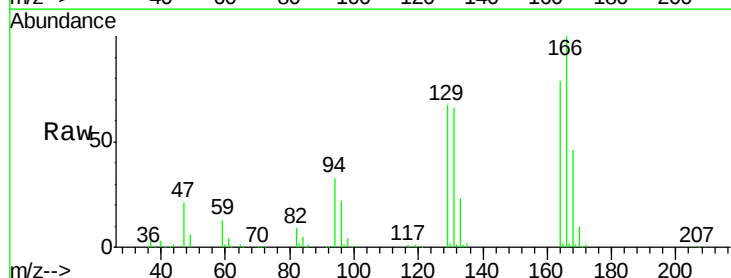


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

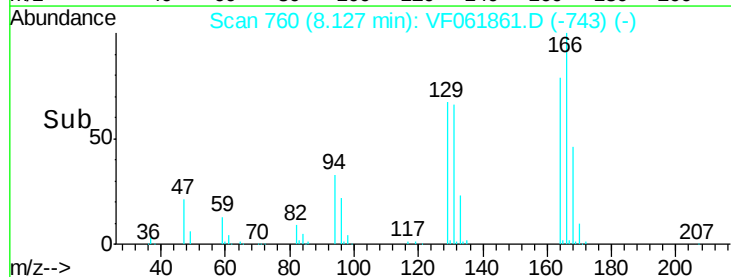
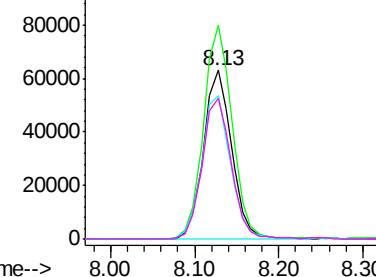


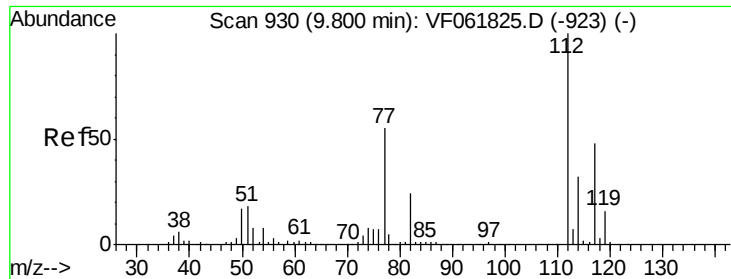
#64
Tetrachloroethene
Concen: 46.894 ug/l
RT: 8.13 min Scan# 760
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion:164 Resp: 147402
Ion Ratio Lower Upper
164 100
166 126.8 103.4 155.0
129 85.0 69.9 104.9
131 83.4 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

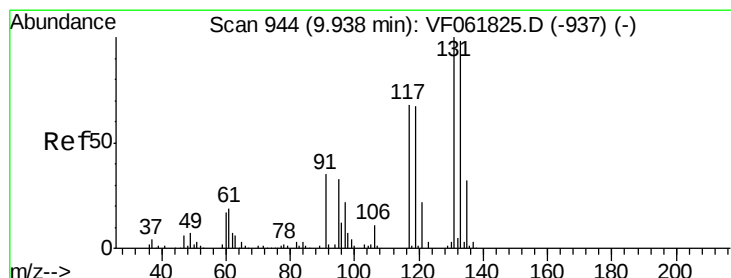
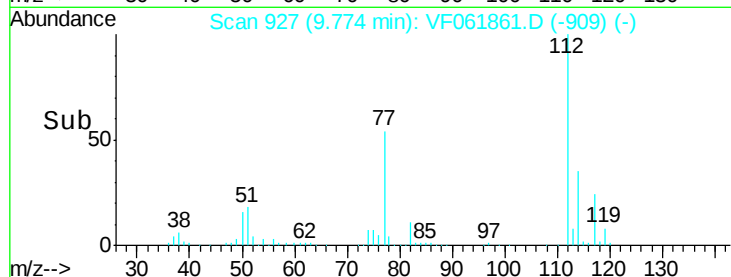
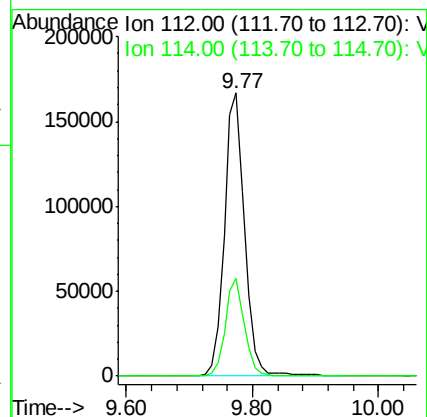
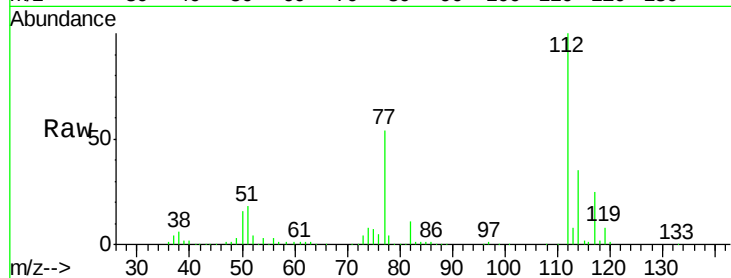




#65
Chlorobenzene
Concen: 47.388 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

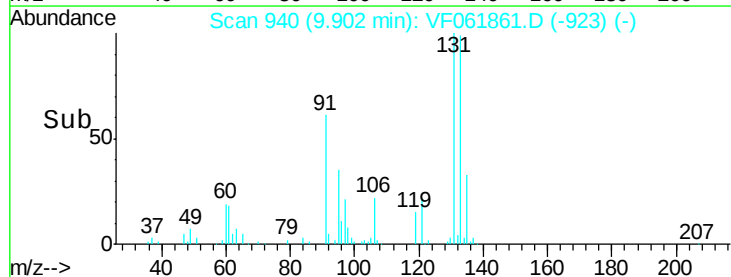
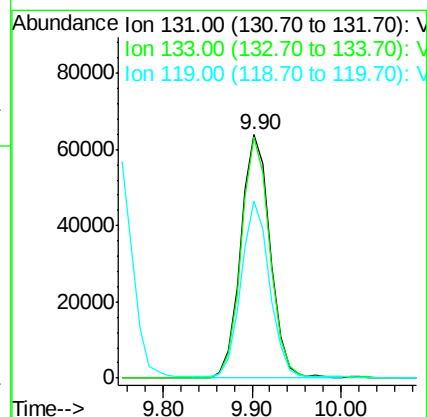
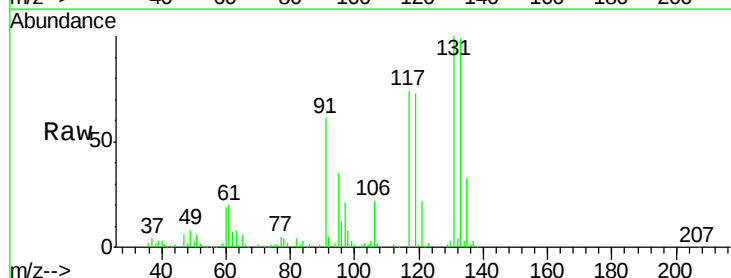
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

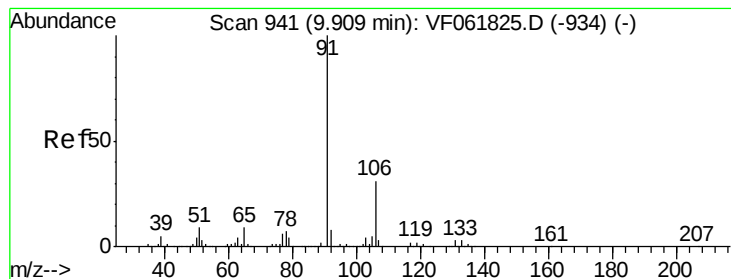
Tot Ion:112 Resp: 372430
Ion Ratio Lower Upper
112 100
114 34.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 48.238 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion:131 Resp: 146884
Ion Ratio Lower Upper
131 100
133 98.8 48.9 146.7
119 72.9 33.6 100.8





#67

Ethyl Benzene

Concen: 47.812 ug/l

RT: 9.87 min Scan# 937

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

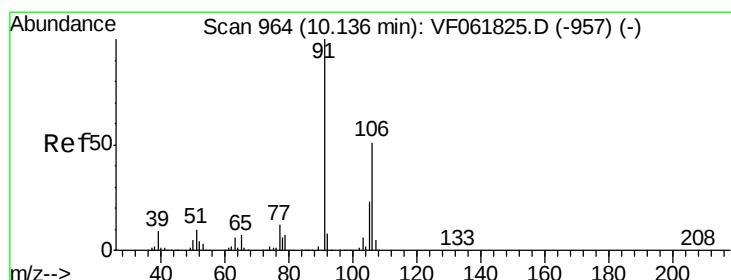
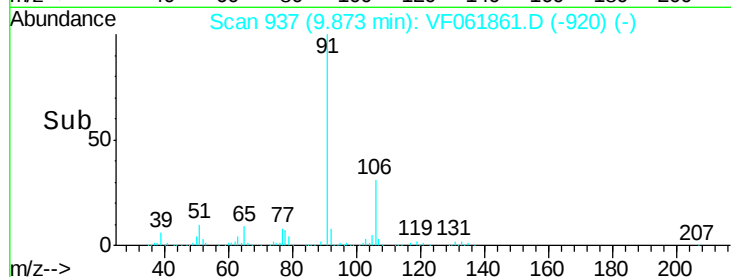
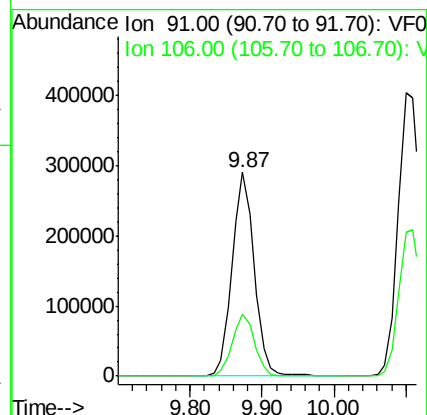
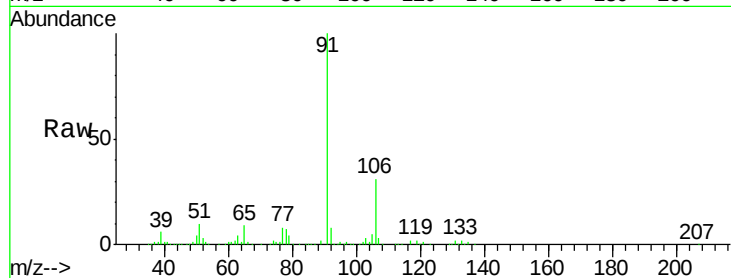
VSTDCCC050

Tot Ion: 91 Resp: 622815

Ion Ratio Lower Upper

91 100

106 30.7 25.0 37.4



#68

m/p-Xylenes

Concen: 93.932 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF061861.D

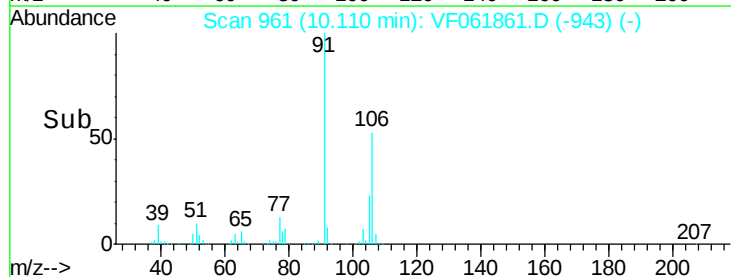
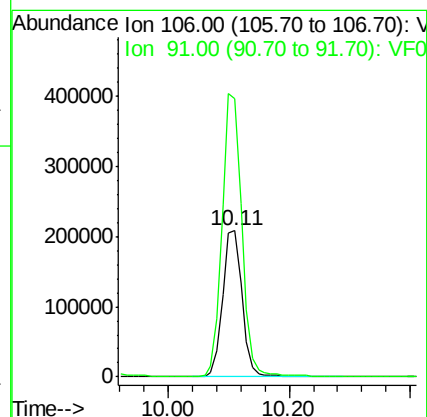
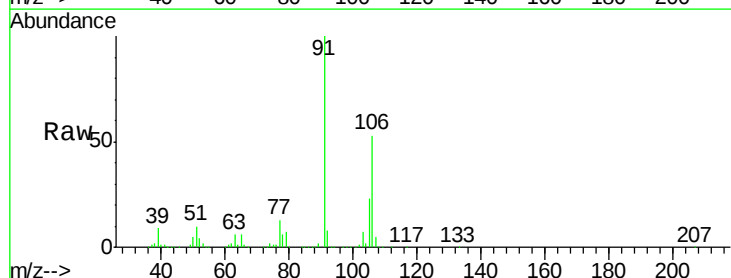
Acq: 8 Mar 2019 13:27

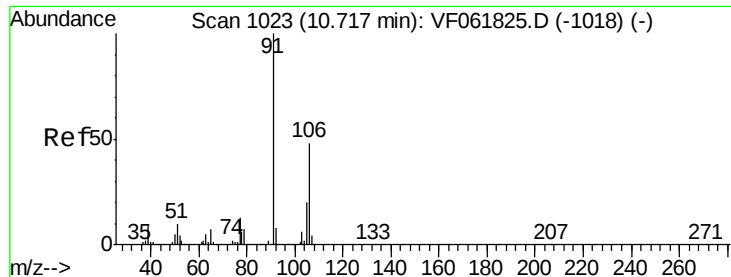
Tgt Ion: 106 Resp: 468739

Ion Ratio Lower Upper

106 100

91 190.3 157.5 236.3

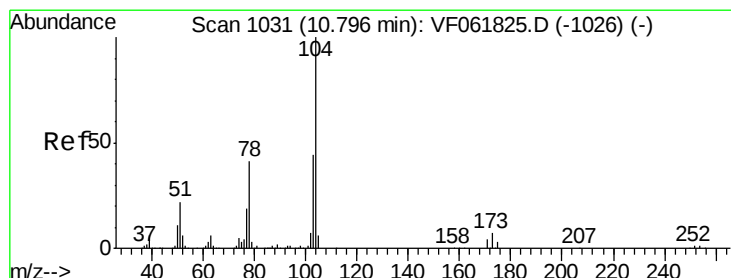
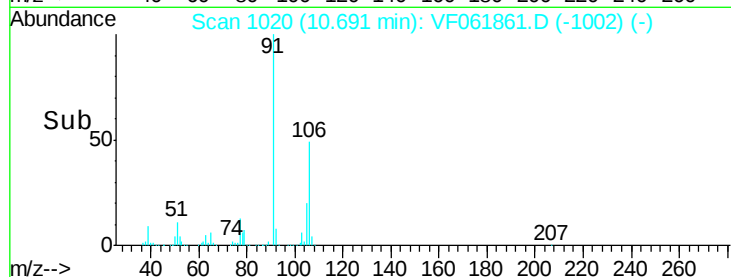
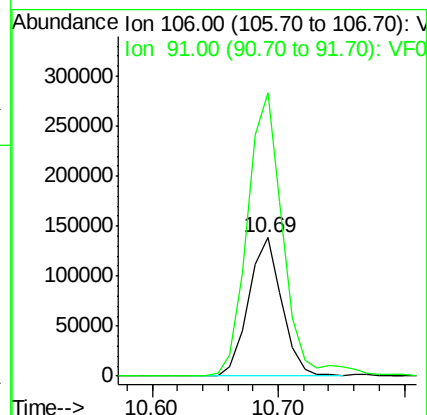
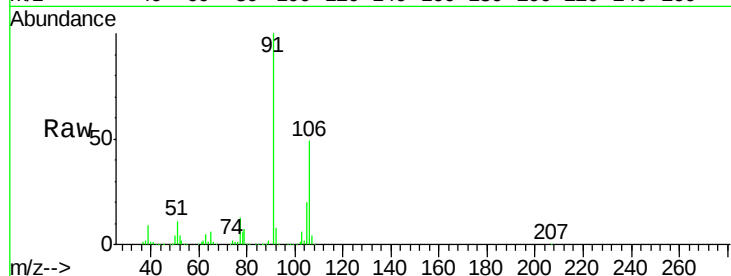




#69
o-Xylene
Concen: 47.303 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

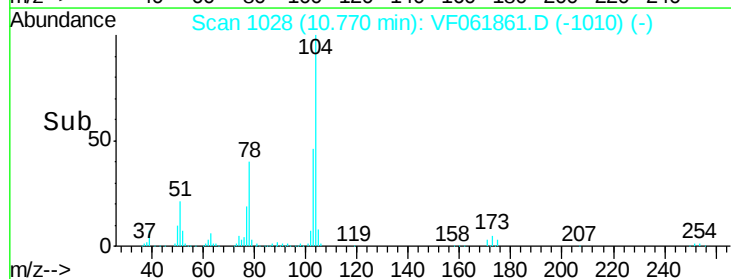
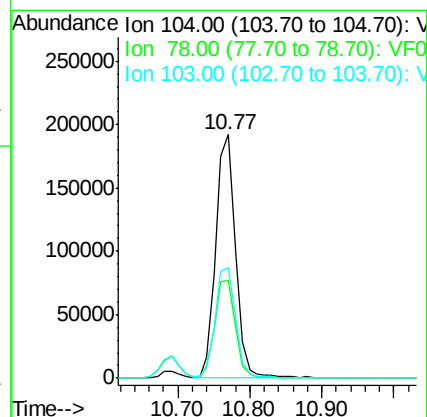
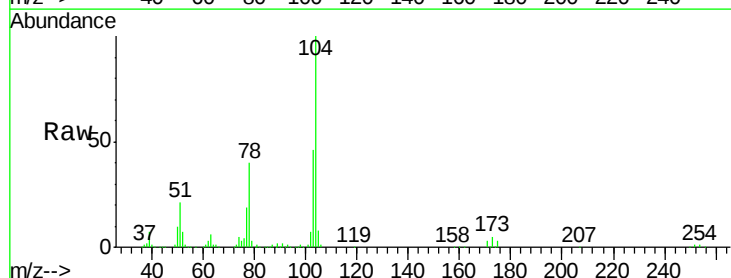
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

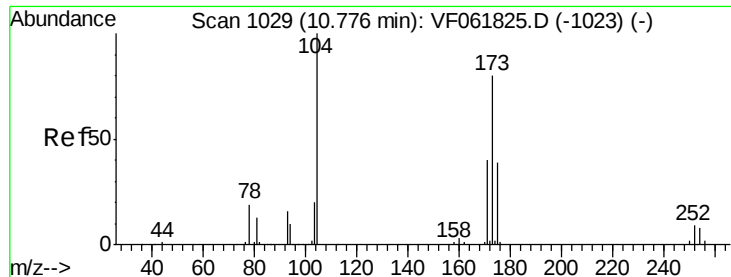
Tot Ion:106 Resp: 254183
Ion Ratio Lower Upper
106 100
91 204.2 103.5 310.3



#70
Styrene
Concen: 47.751 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.03 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion:104 Resp: 361108
Ion Ratio Lower Upper
104 100
78 40.4 33.3 49.9
103 45.6 35.4 53.0





#71

Bromoform

Concen: 48.915 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

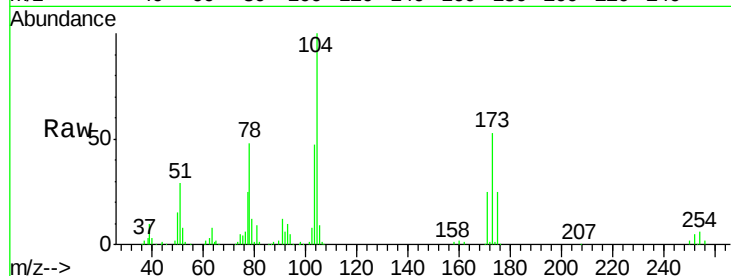
Tot Ion:173 Resp: 78720

Ion Ratio Lower Upper

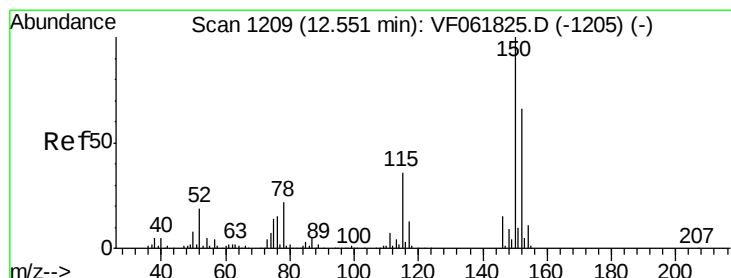
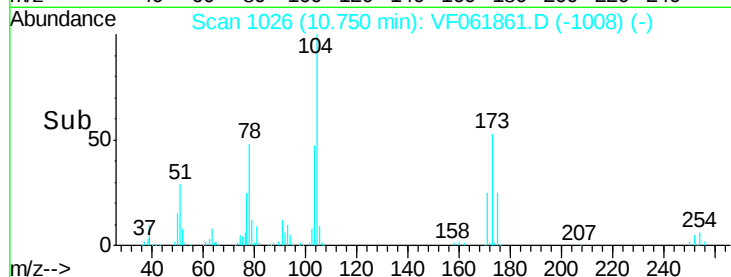
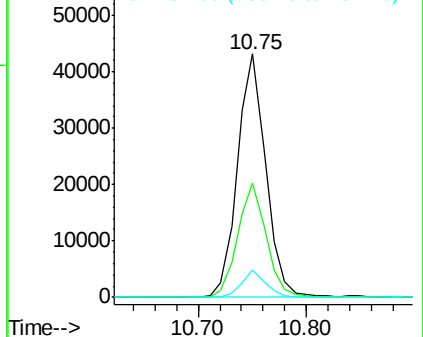
173 100

175 46.9 24.5 73.5

254 11.1 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# 1207

Delta R.T. -0.02 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

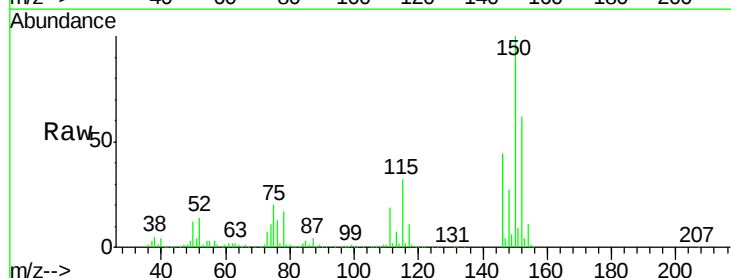
Tgt Ion:152 Resp: 225104

Ion Ratio Lower Upper

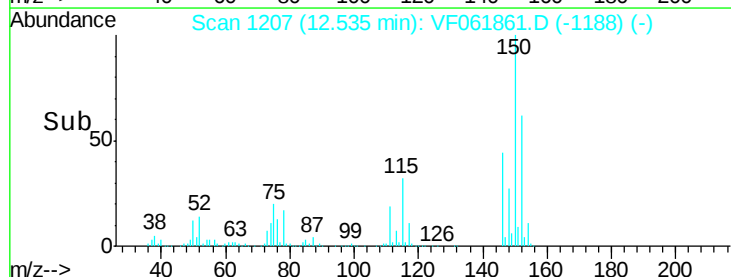
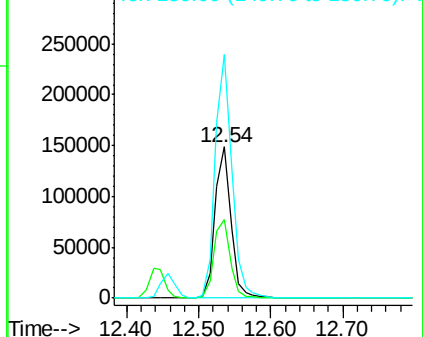
152 100

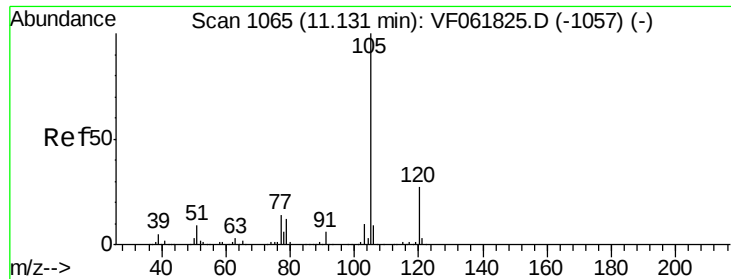
115 51.5 27.7 83.1

150 161.0 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: 47.232 ug/l

RT: 11.11 min Scan# 1062

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

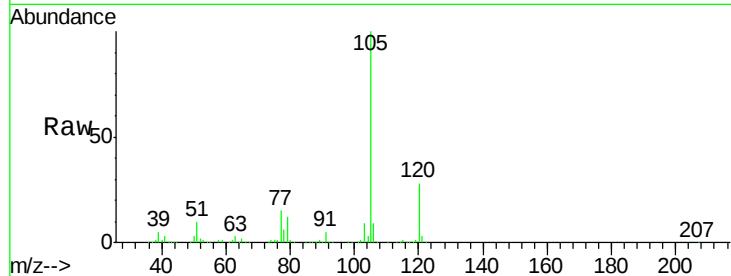
VSTDCCC050

Tot Ion:105 Resp: 731964

Ion Ratio Lower Upper

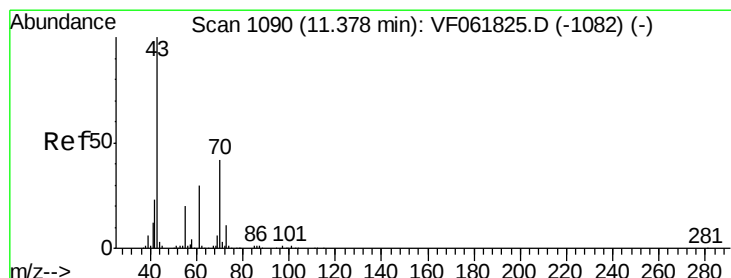
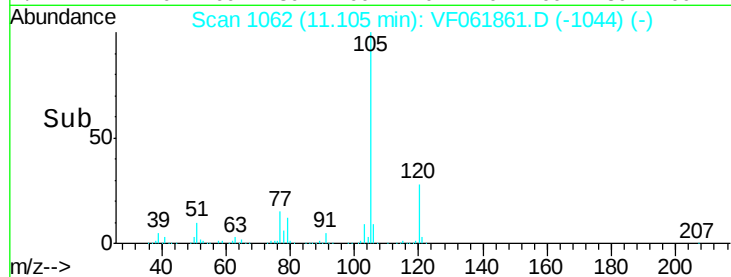
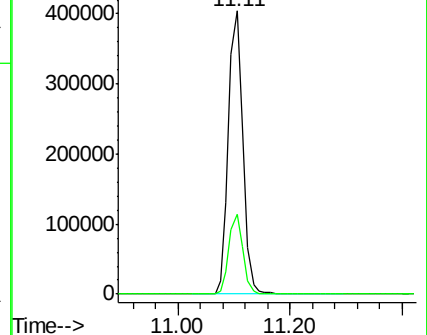
105 100

120 28.3 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: 45.079 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Tgt Ion: 43 Resp: 160827

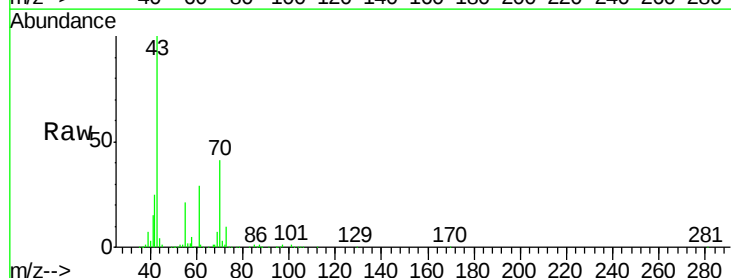
Ion Ratio Lower Upper

43 100

70 40.8 33.4 50.0

55 21.4 16.3 24.5

61 29.1 24.0 36.0

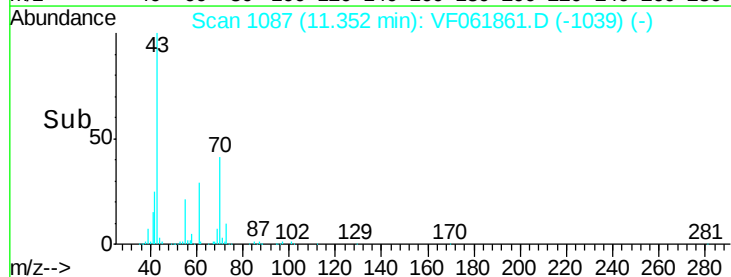
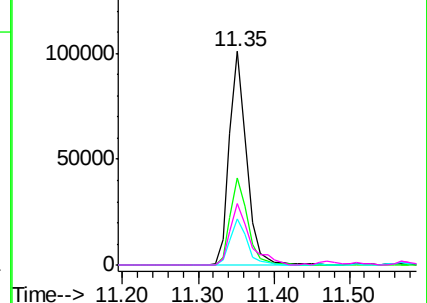


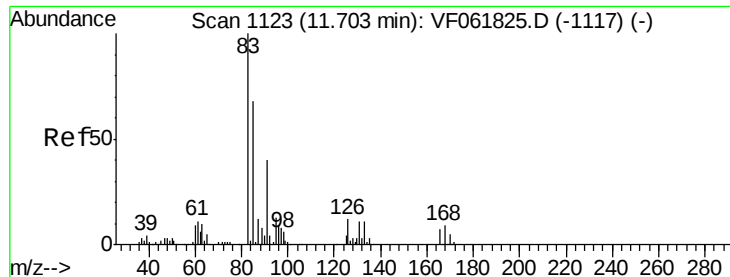
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.155 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

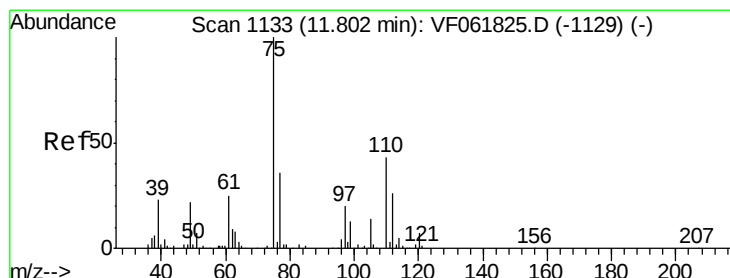
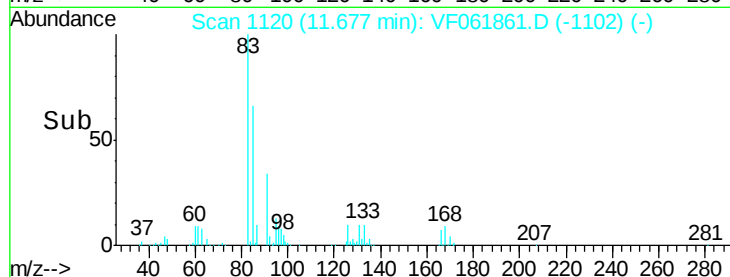
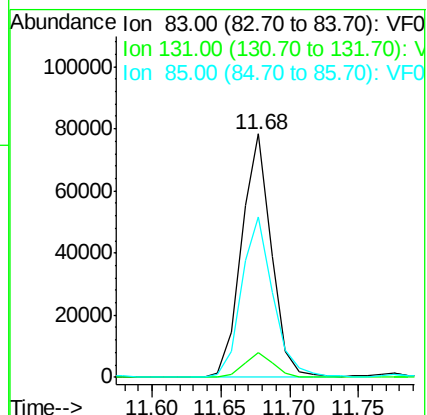
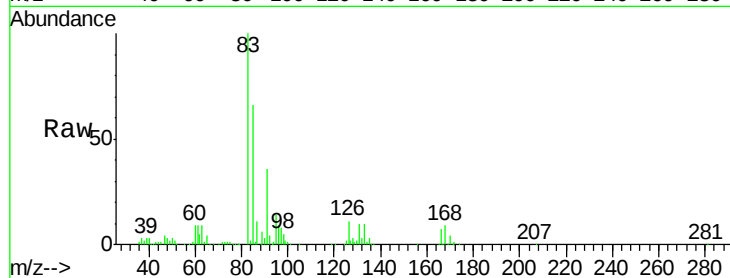
Tot Ion: 83 Resp: 118880

Ion Ratio Lower Upper

83 100

131 9.9 5.5 16.7

85 65.9 34.2 102.6



#76

1,2,3-Trichloropropane

Concen: 49.339 ug/l

RT: 11.78 min Scan# 1130

Delta R.T. -0.03 min

Lab File: VF061861.D

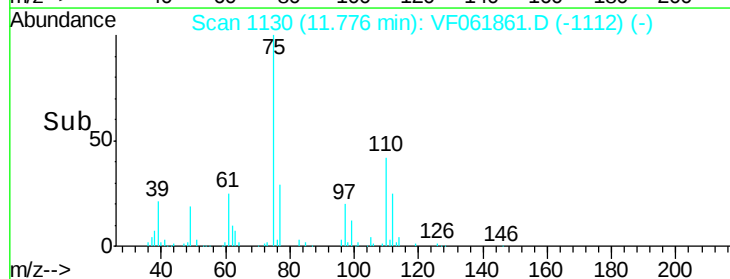
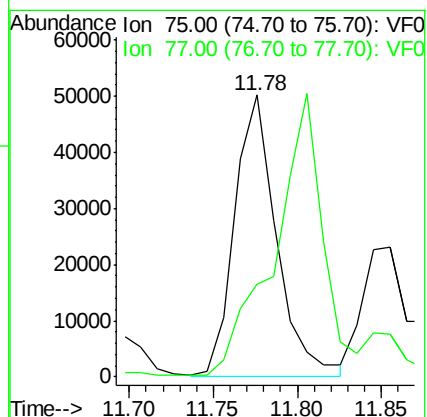
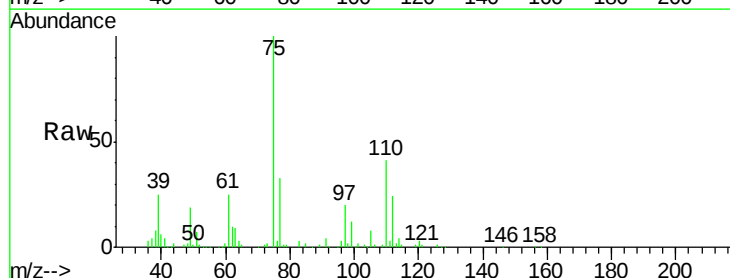
Acq: 8 Mar 2019 13:27

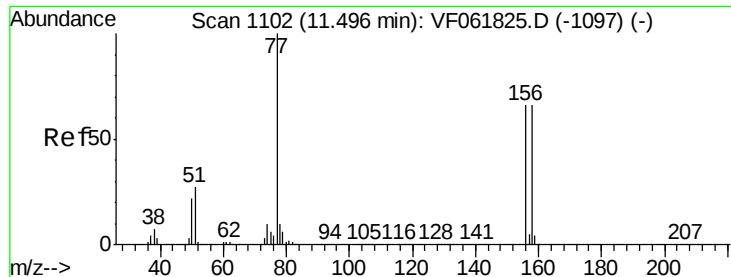
Tgt Ion: 75 Resp: 86733

Ion Ratio Lower Upper

75 100

77 32.9 18.1 54.4





#77

Bromobenzene

Concen: 45.846 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.02 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

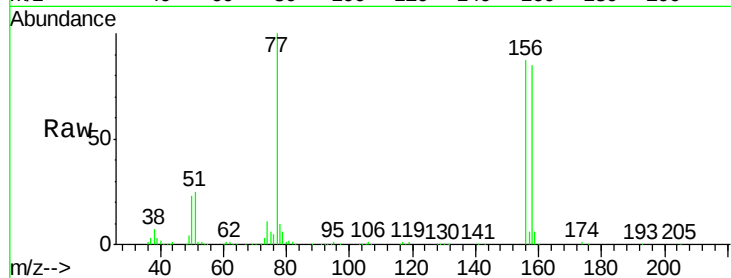
Tot Ion:156 Resp: 170990

Ion Ratio Lower Upper

156 100

77 115.5 75.7 227.1

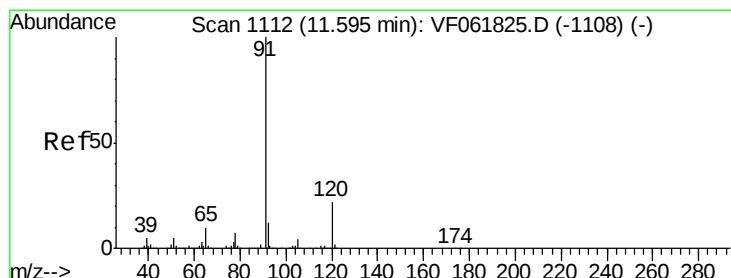
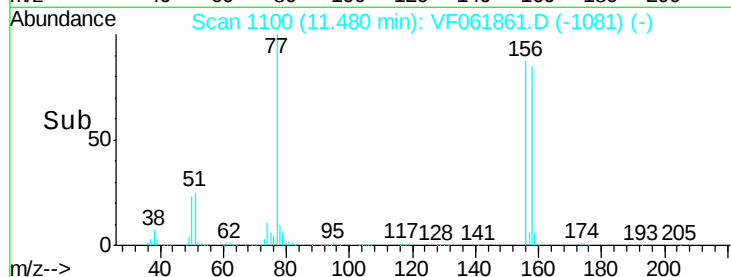
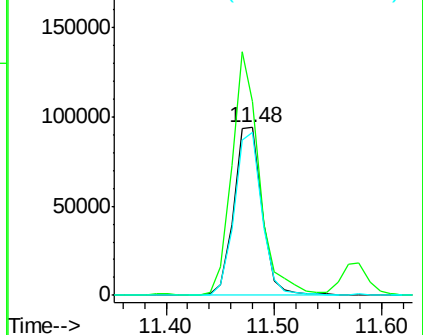
158 97.6 50.0 150.1



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 46.603 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF061861.D

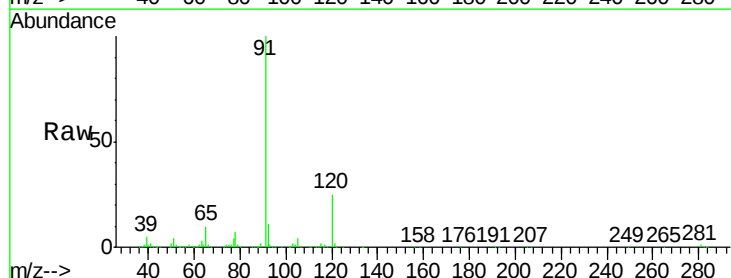
Acq: 8 Mar 2019 13:27

Tgt Ion: 91 Resp: 815590

Ion Ratio Lower Upper

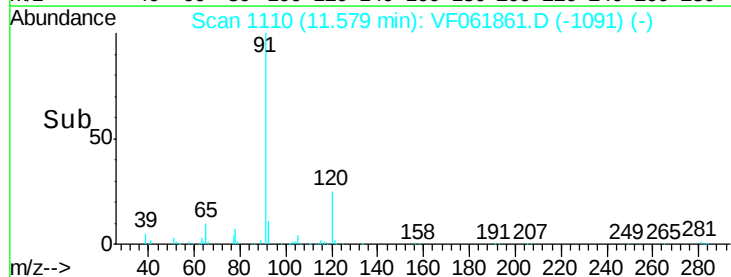
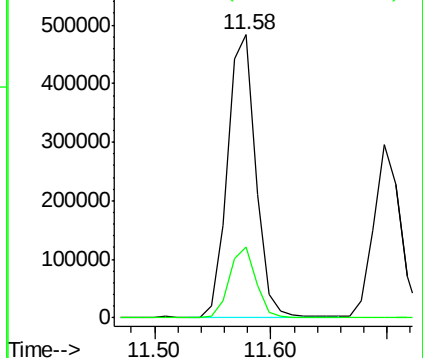
91 100

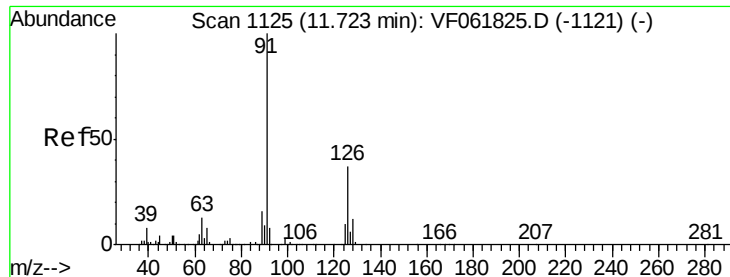
120 25.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

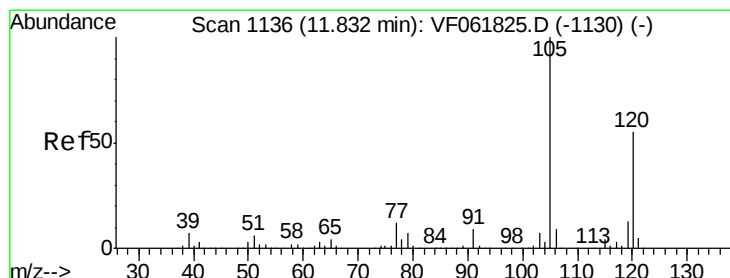
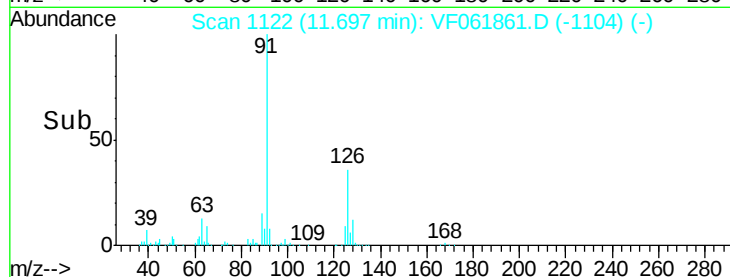
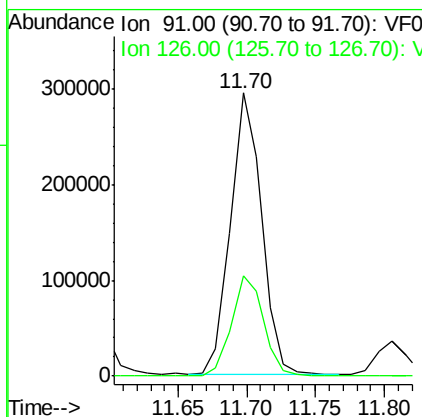
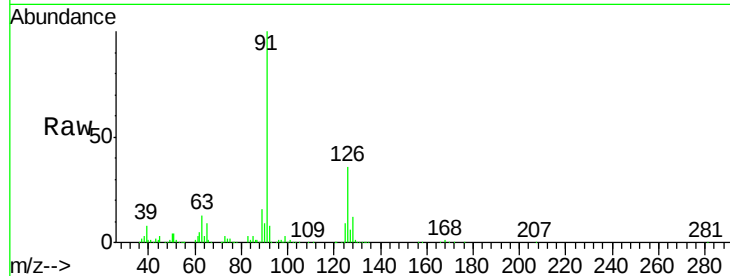




#79
 2-Chlorotoluene
 Concen: 46.150 ug/l
 RT: 11.70 min Scan# 1122
 Delta R.T. -0.03 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

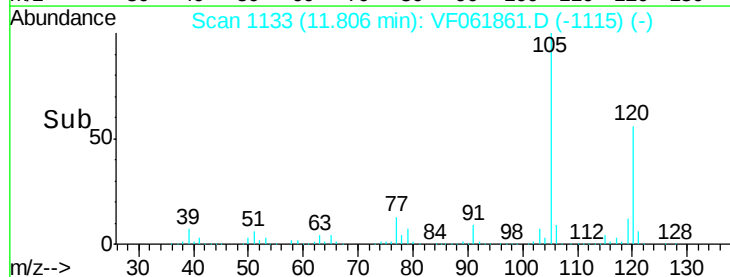
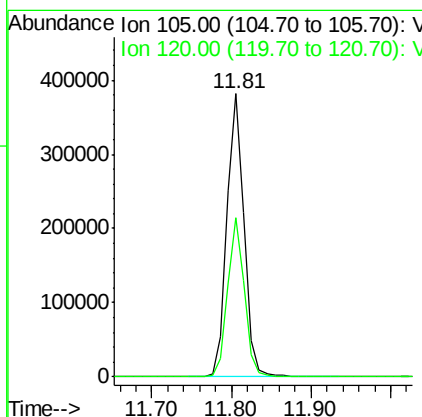
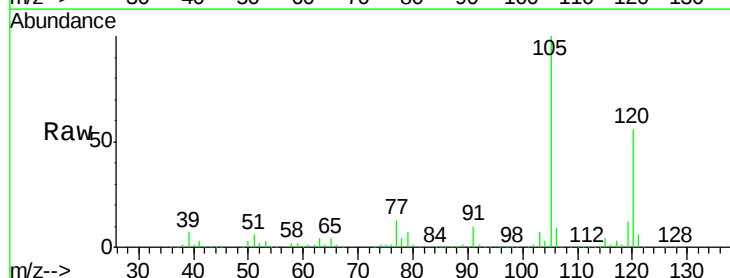
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

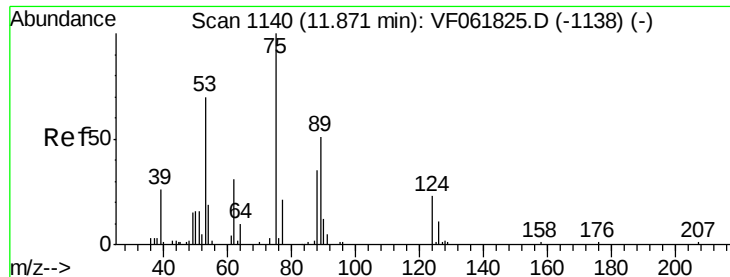
Tot Ion: 91 Resp: 461751
 Ion Ratio Lower Upper
 91 100
 126 35.5 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 46.889 ug/l
 RT: 11.81 min Scan# 1133
 Delta R.T. -0.03 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Tgt Ion: 105 Resp: 583408
 Ion Ratio Lower Upper
 105 100
 120 56.1 27.4 82.2





#81

trans-1,4-Dichloro-2-butene

Concen: 65.044 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

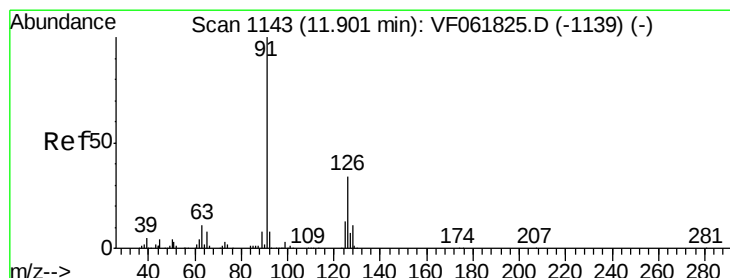
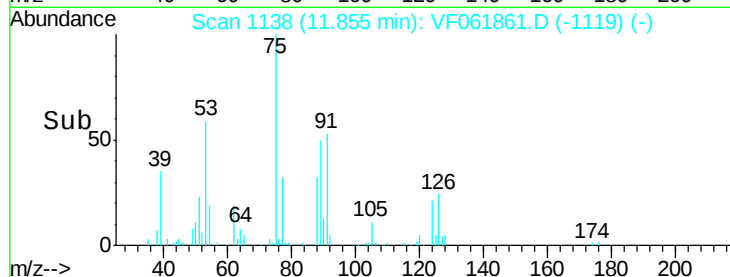
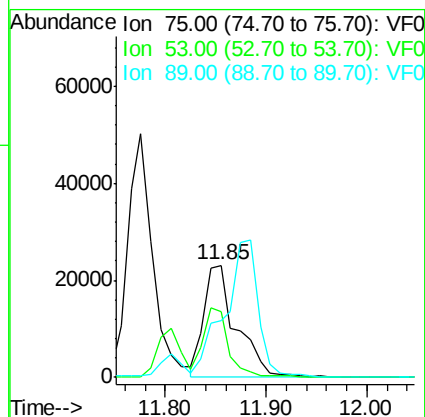
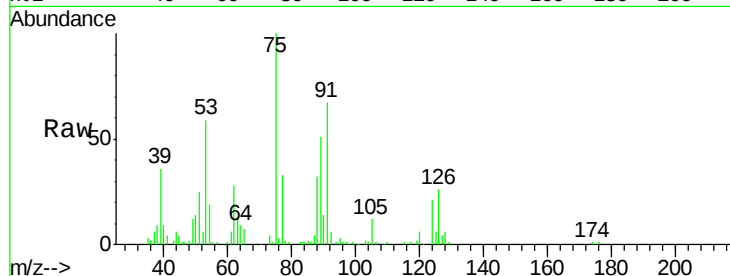
Tot Ion: 75 Resp: 52285

Ion Ratio Lower Upper

75 100

53 58.5 58.6 88.0#

89 50.6 41.4 62.0



#82

4-Chlorotoluene

Concen: 46.121 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.03 min

Lab File: VF061861.D

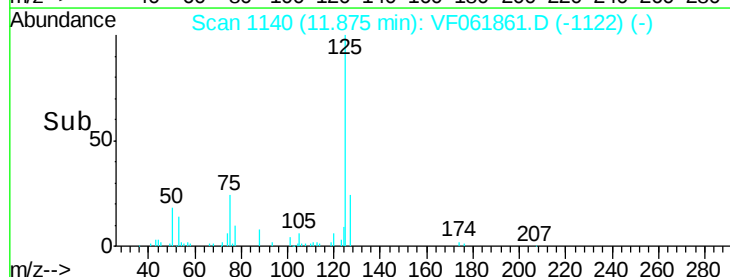
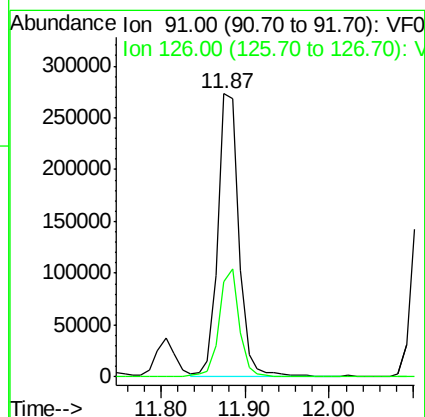
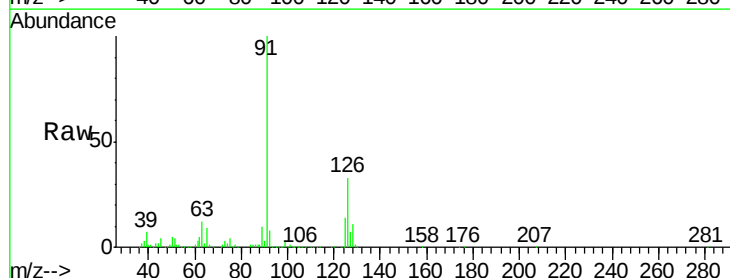
Acq: 8 Mar 2019 13:27

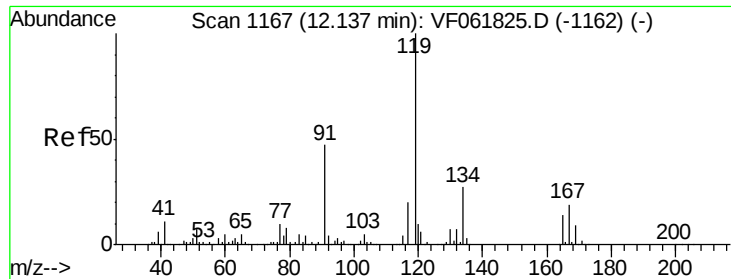
Tgt Ion: 91 Resp: 472003

Ion Ratio Lower Upper

91 100

126 33.4 17.0 50.9

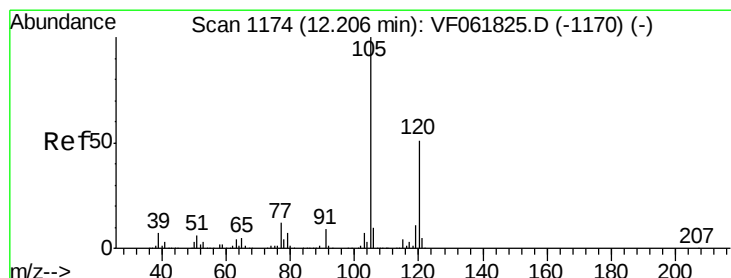
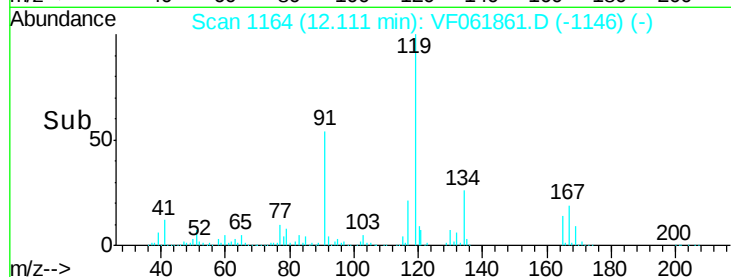
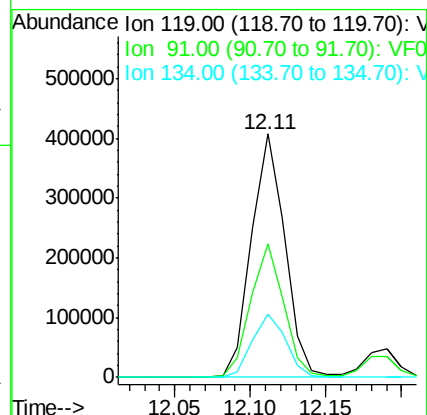
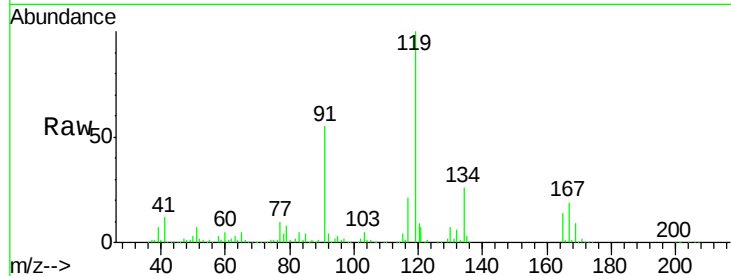




#83
tert-Butylbenzene
Concen: 48.060 ug/l
RT: 12.11 min Scan# 1164
Delta R.T. -0.03 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

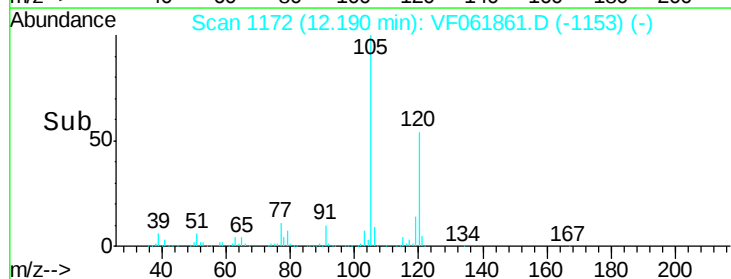
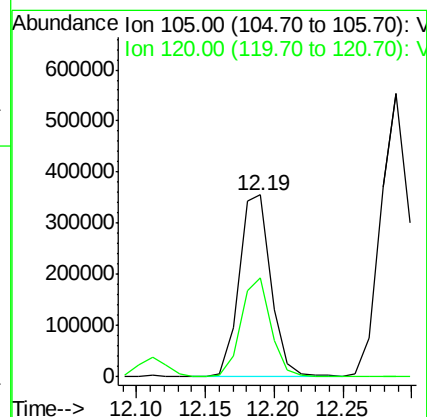
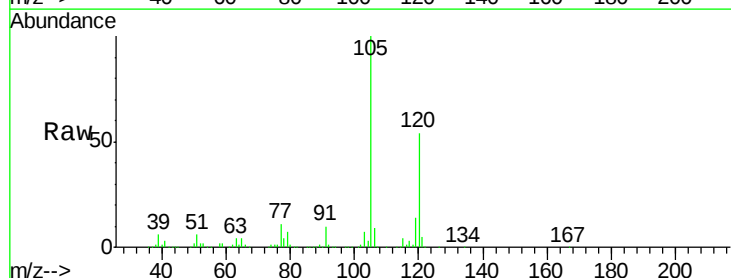
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

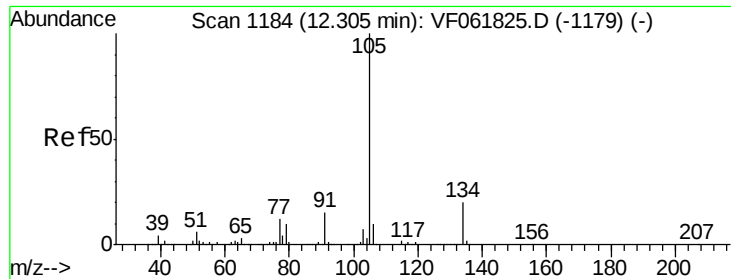
Tot Ion:119 Resp: 634957
Ion Ratio Lower Upper
119 100
91 54.6 23.5 70.5
134 26.0 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 47.129 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion:105 Resp: 574849
Ion Ratio Lower Upper
105 100
120 54.4 25.8 77.4





#85

sec-Butylbenzene

Concen: 47.810 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

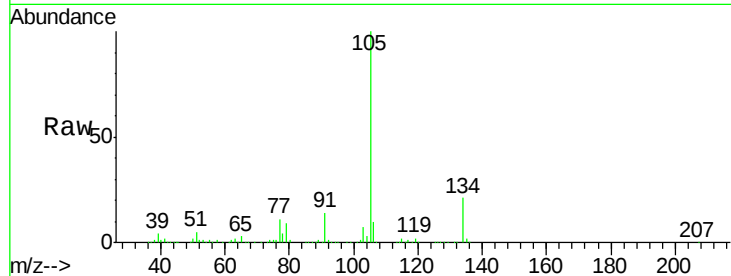
VSTDCCC050

Tot Ion:105 Resp: 821987

Ion Ratio Lower Upper

105 100

134 21.3 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.29

600000

500000

400000

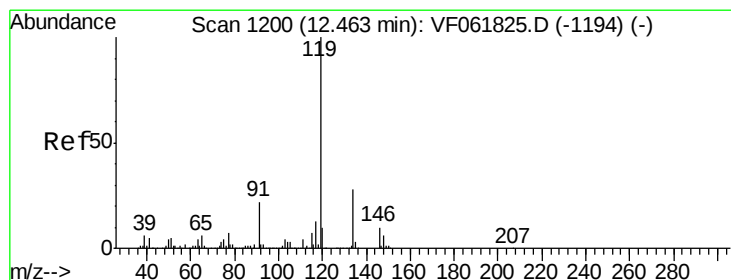
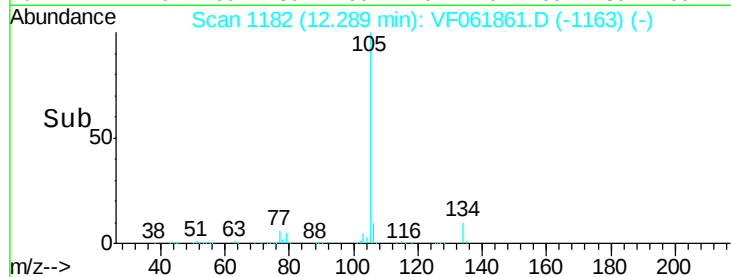
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.732 ug/l

RT: 12.44 min Scan# 1197

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

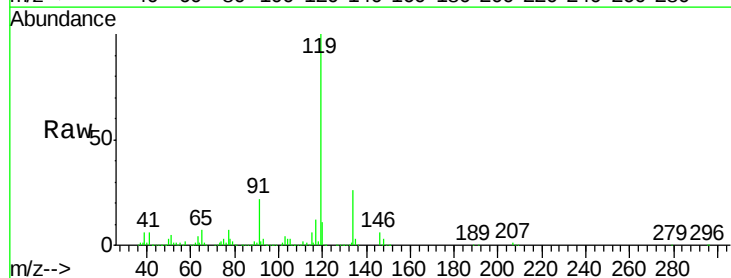
Tgt Ion:119 Resp: 726807

Ion Ratio Lower Upper

119 100

134 26.3 14.0 42.0

91 21.8 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.44

600000

500000

400000

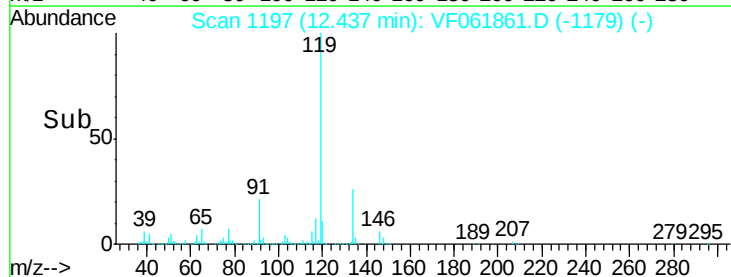
300000

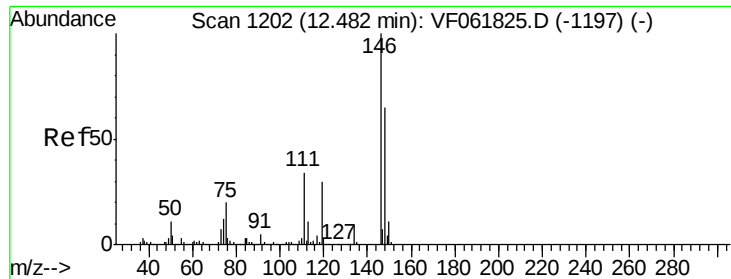
200000

100000

0

Time-->

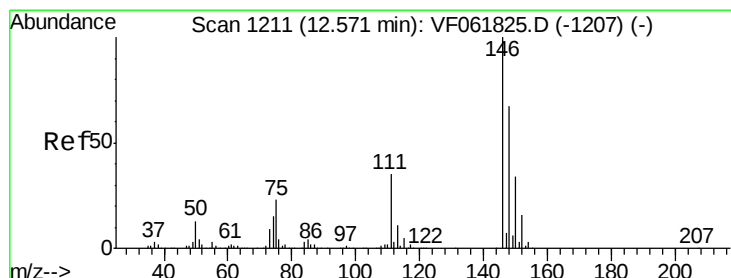
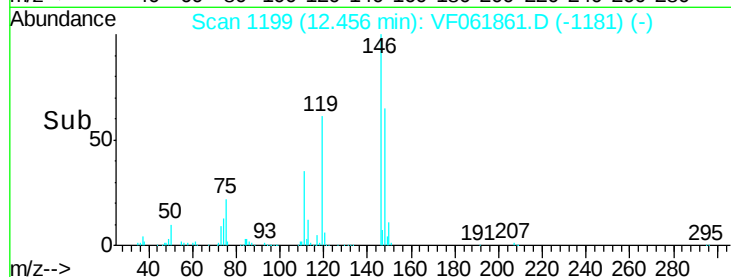
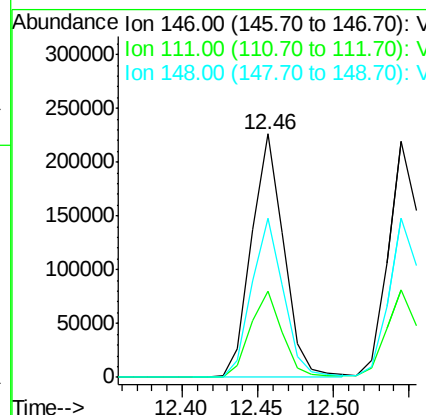
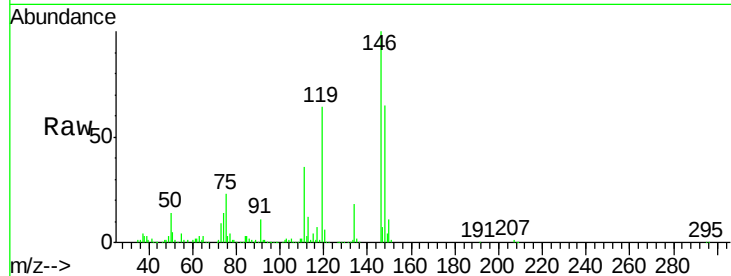




#87
 1,3-Dichlorobenzene
 Concen: 47.835 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

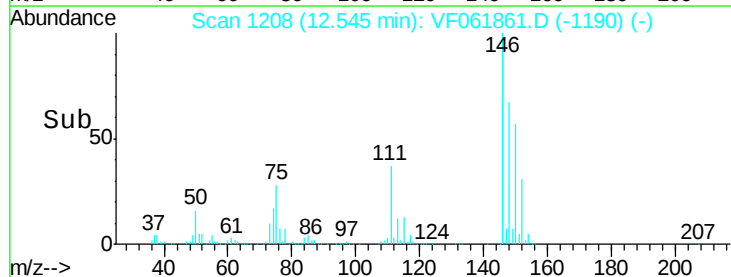
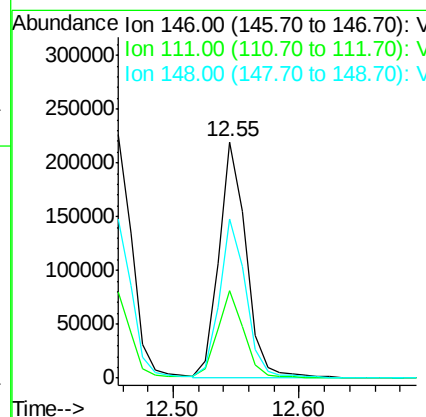
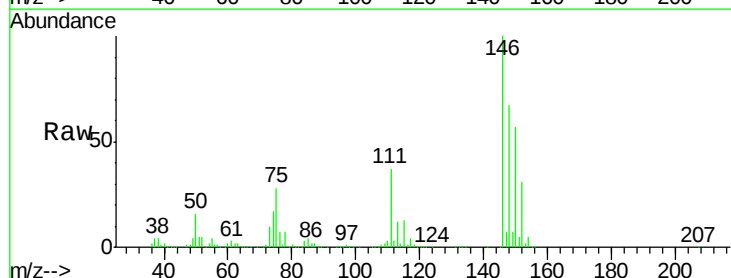
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

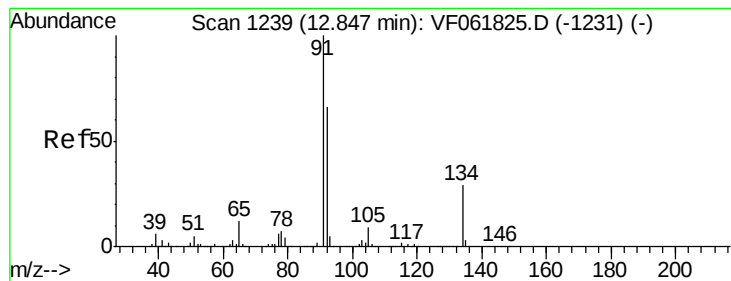
Tot Ion:146 Resp: 338764
 Ion Ratio Lower Upper
 146 100
 111 35.5 17.0 51.0
 148 65.1 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 48.089 ug/l
 RT: 12.55 min Scan# 1208
 Delta R.T. -0.03 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Tgt Ion:146 Resp: 328517
 Ion Ratio Lower Upper
 146 100
 111 37.1 17.6 52.9
 148 67.2 33.5 100.4





#89

n-Butylbenzene

Concen: 47.733 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

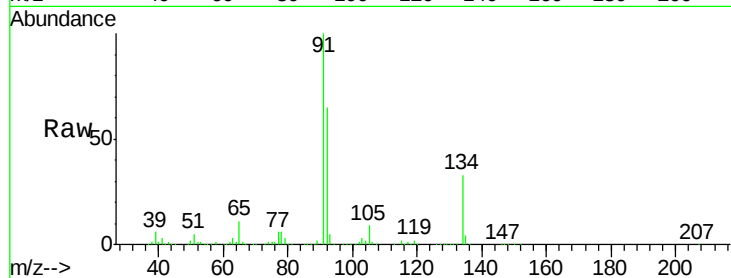
Tot Ion: 91 Resp: 666672

Ion Ratio Lower Upper

91 100

92 65.0 32.9 98.6

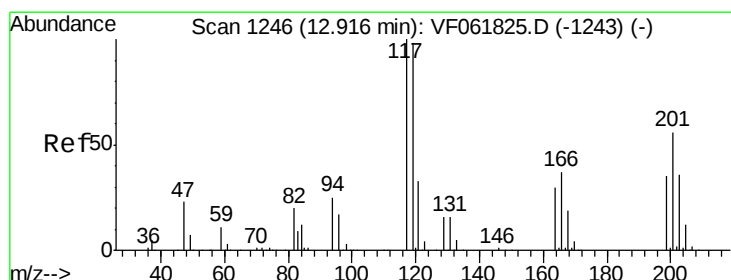
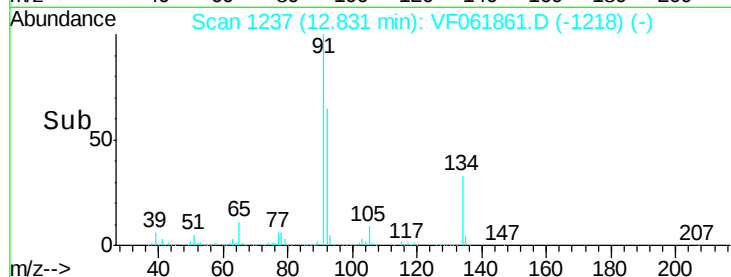
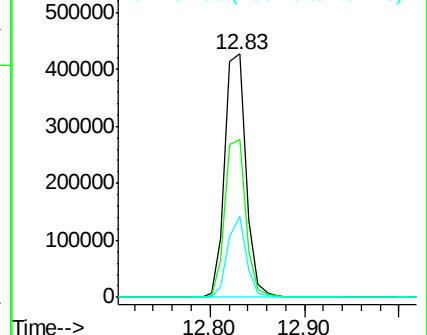
134 33.1 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 48.603 ug/l

RT: 12.90 min Scan# 1244

Delta R.T. -0.02 min

Lab File: VF061861.D

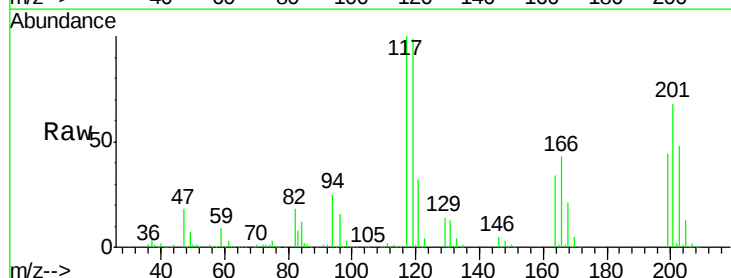
Acq: 8 Mar 2019 13:27

Tgt Ion: 117 Resp: 170971

Ion Ratio Lower Upper

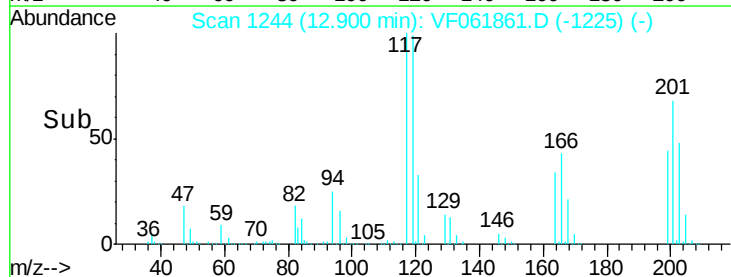
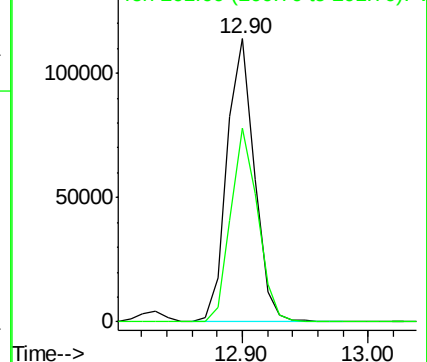
117 100

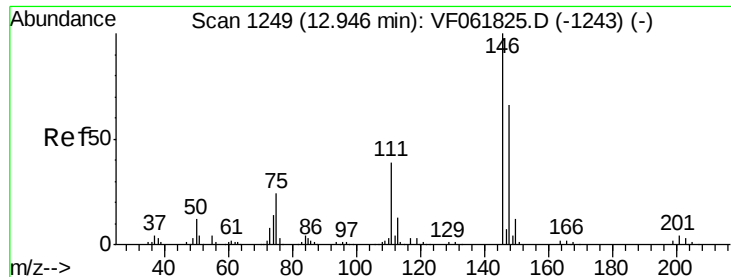
201 68.4 27.8 83.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 45.262 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

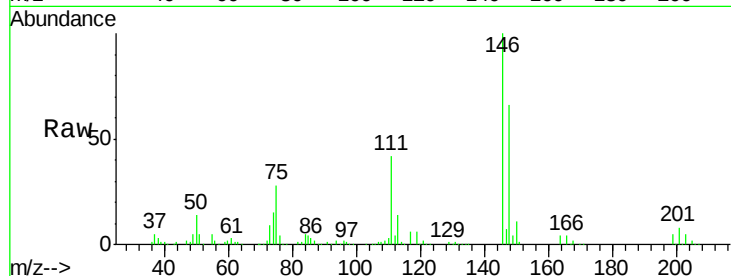
Tot Ion:146 Resp: 303693

Ion Ratio Lower Upper

146 100

111 42.0 19.4 58.4

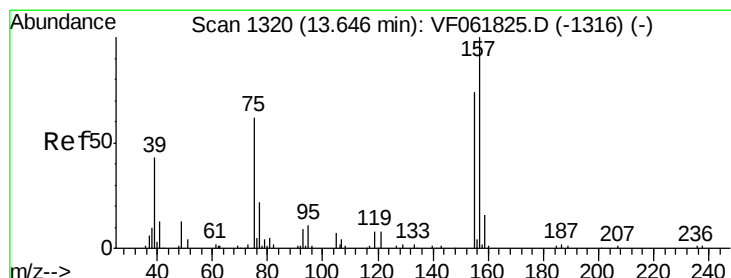
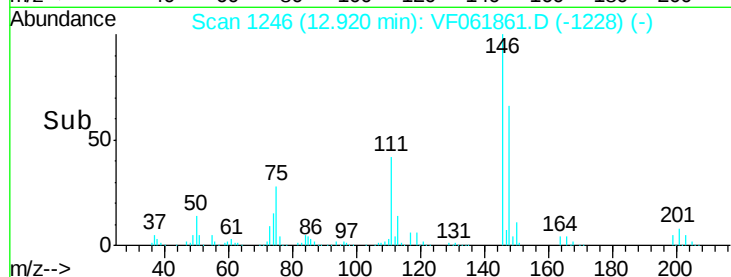
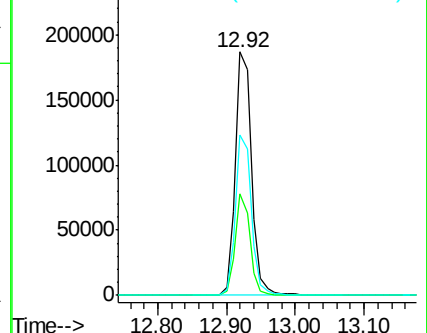
148 65.8 33.0 98.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.755 ug/l

RT: 13.62 min Scan# 1317

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

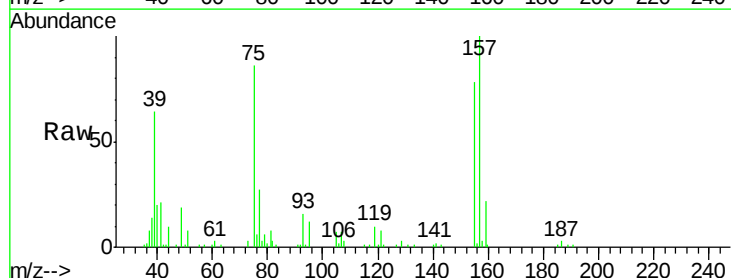
Tgt Ion: 75 Resp: 20310

Ion Ratio Lower Upper

75 100

155 91.1 59.8 179.4

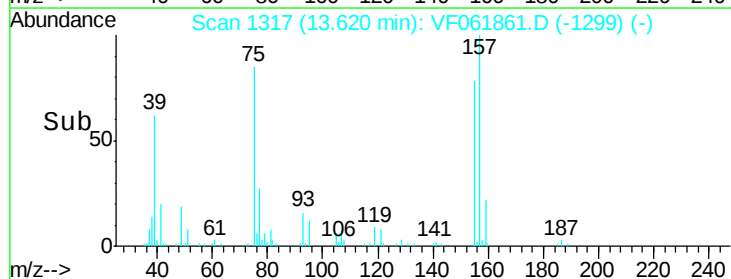
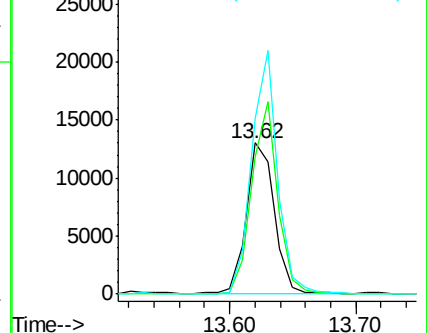
157 116.2 81.2 243.4

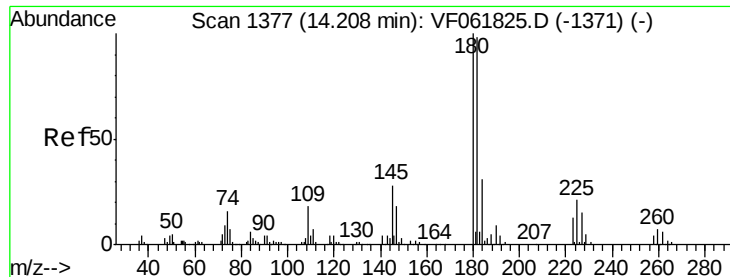


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

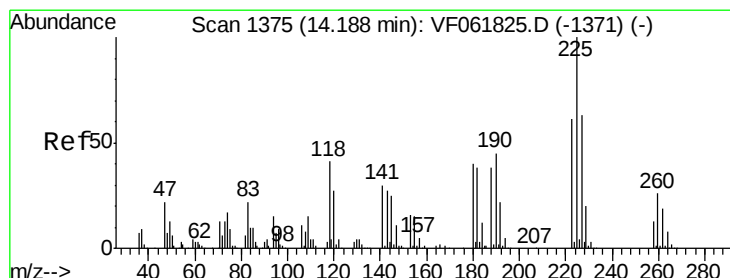
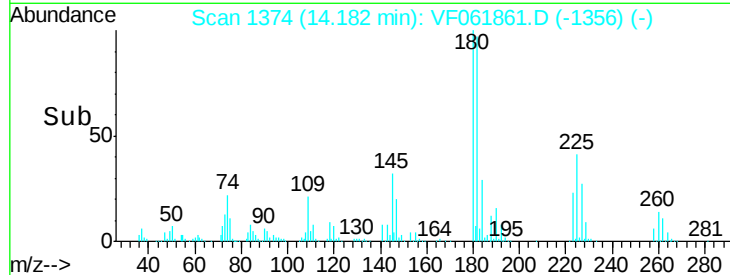
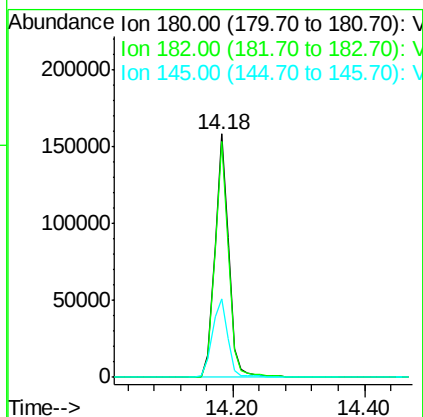
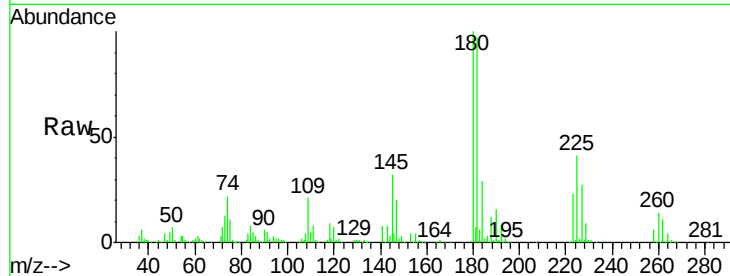




#93
 1,2,4-Trichlorobenzene
 Concen: 48.491 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

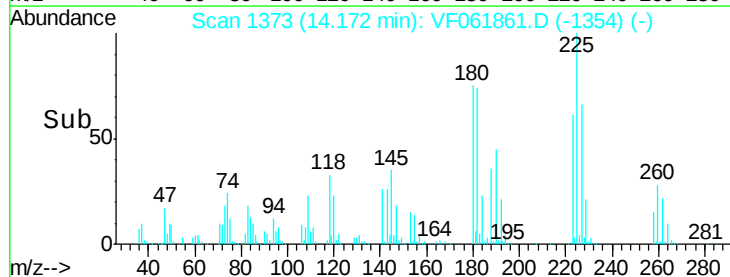
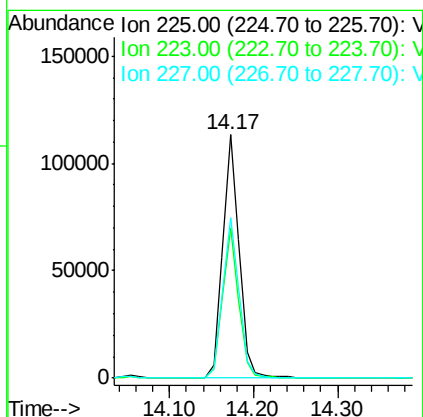
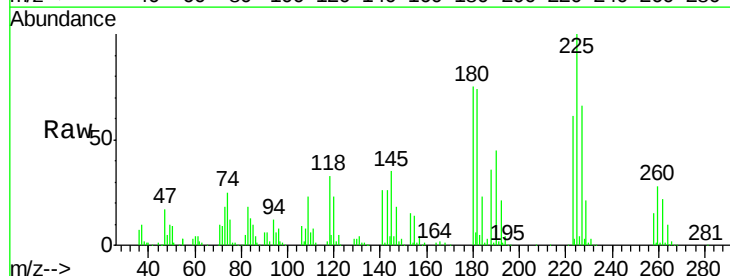
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

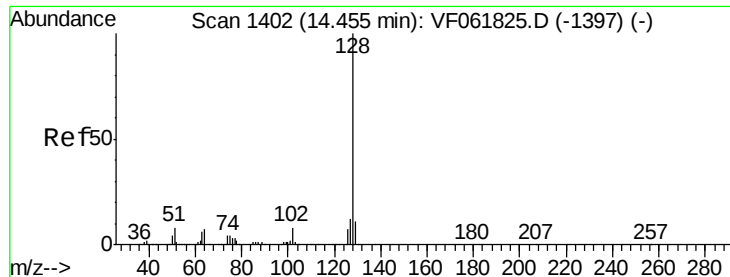
Tot Ion:180 Resp: 228100
 Ion Ratio Lower Upper
 180 100
 182 96.9 49.0 147.2
 145 32.3 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 47.197 ug/l
 RT: 14.17 min Scan# 1373
 Delta R.T. -0.02 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Tgt Ion:225 Resp: 153693
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.3 90.9
 227 65.7 31.3 93.8





#95

Naphthalene

Concen: 48.037 ug/l

RT: 14.44 min Scan# 1400

Delta R.T. -0.02 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

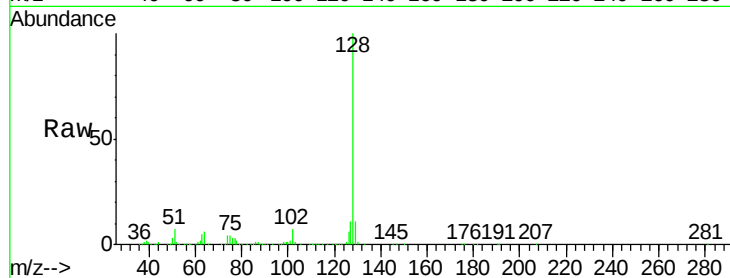
Tot Ion:128 Resp: 402459

Ion Ratio Lower Upper

128 100

127 11.5 9.3 13.9

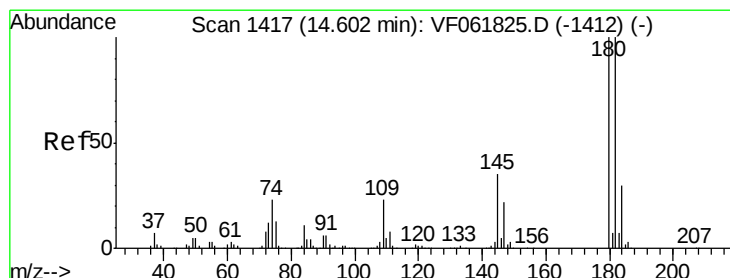
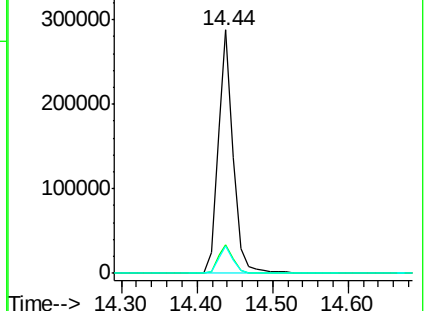
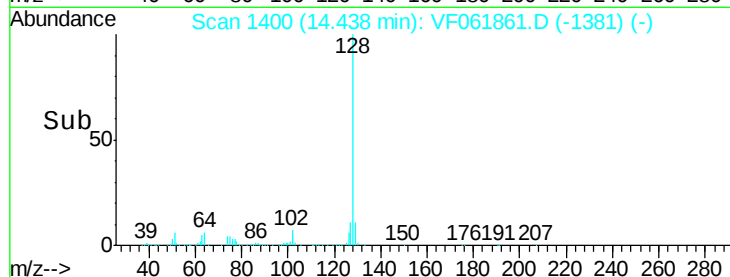
129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.251 ug/l

RT: 14.59 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

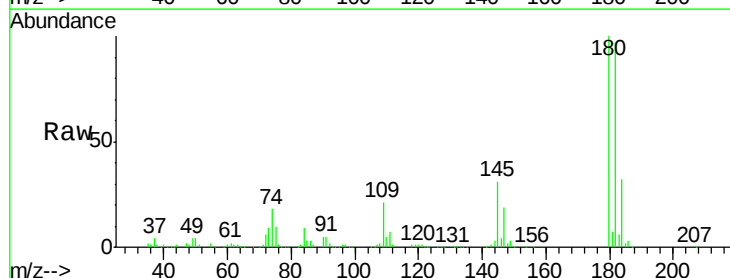
Tgt Ion:180 Resp: 213909

Ion Ratio Lower Upper

180 100

182 96.7 50.2 150.7

145 31.2 17.5 52.5



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

