

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059310.D
 Acq On : 26 Jun 2018 11:43
 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: Jun 27 02:18:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	297556	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	464369	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	474601	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	271561	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.99	65	175886	45.75	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	91.50%	
35) Dibromofluoromethane	4.27	113	151005	44.50	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	89.00%	
50) Toluene-d8	7.69	98	392450	46.72	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	93.44%	
62) 4-Bromofluorobenzene	11.49	95	218688	46.15	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	92.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	123978	45.604	ug/l	98
3) Chloromethane	1.08	50	89202	48.841	ug/l	96
4) Vinyl Chloride	1.14	62	93680	52.109	ug/l	95
5) Bromomethane	1.33	94	63455	63.505	ug/l	93
6) Chloroethane	1.42	64	49613	54.792	ug/l	90
7) Trichlorofluoromethane	1.48	101	68799	19.353	ug/l	92
8) Diethyl Ether	1.69	74	45839	50.288	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.88	101	106069	51.115	ug/l	91
10) Methyl Iodide	1.95	142	198010	52.327	ug/l	98
11) Tert butyl alcohol	2.66	59	48399	189.107	ug/l	97
12) 1,1-Dichloroethene	1.84	96	92803	52.901	ug/l	83
13) Acrolein	2.08	56	31881	262.185	ug/l	88
14) Allyl chloride	2.18	41	172025	52.238	ug/l	91
15) Acrylonitrile	3.05	53	101857	225.999	ug/l	96
16) Acetone	2.31	43	250637	261.517	ug/l	96
17) Carbon Disulfide	1.83	76	216069	52.361	ug/l #	93
18) Methyl Acetate	2.43	43	83679	48.183	ug/l	96
19) Methyl tert-butyl Ether	2.52	73	307150	46.940	ug/l #	92
20) Methylene Chloride	2.26	84	109635	51.000	ug/l #	90
21) trans-1,2-Dichloroethene	2.40	96	92718	49.546	ug/l	93
22) Diisopropyl ether	2.91	45	368469	50.529	ug/l	96
23) Vinyl Acetate	3.31	43	1105614	238.067	ug/l	98
24) 1,1-Dichloroethane	2.98	63	218298	48.282	ug/l	97
25) 2-Butanone	4.47	43	283517	243.719	ug/l	94
26) 2,2-Dichloropropane	3.74	77	156460	50.173	ug/l	100
27) cis-1,2-Dichloroethene	3.61	96	134961	47.501	ug/l	90
28) Bromochloromethane	3.86	49	86915	50.063	ug/l	97
29) Tetrahydrofuran	4.23	42	119164	240.665	ug/l	98
30) Chloroform	4.01	83	307350	46.957	ug/l	97
31) Cyclohexane	3.84	56	142186	48.006	ug/l	90
32) 1,1,1-Trichloroethane	4.25	97	226569	47.302	ug/l	97
36) 1,1-Dichloropropene	4.43	75	190328	46.918	ug/l	97
37) Ethyl Acetate	4.26	43	121182	46.597	ug/l #	62
38) Carbon Tetrachloride	4.15	117	263494	51.469	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	179953	50.059	ug/l	97
40) Benzene	4.79	78	415755	46.224	ug/l	99
41) Methacrylonitrile	4.90	41	61727	44.608	ug/l	93
42) 1,2-Dichloroethane	5.09	62	229048	43.580	ug/l	100
43) Isopropyl Acetate	7.08	43	153513	45.432	ug/l #	90
44) Trichloroethene	5.65	130	143141	46.392	ug/l	93
45) 1,2-Dichloropropane	6.37	63	124097	48.291	ug/l	99
46) Dibromomethane	6.23	93	102585	45.993	ug/l	97
47) Bromodichloromethane	6.52	83	253595	46.969	ug/l	99
48) Methyl methacrylate	6.85	41	106214	46.901	ug/l	96
49) 1,4-Dioxane	6.84	88	10560	868.331	ug/l #	82
51) 4-Methyl-2-Pentanone	8.38	43	568612	227.143	ug/l	100
52) Toluene	7.75	92	300814	44.695	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	236530	48.061	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	252453	47.225	ug/l	99
55) 1,1,2-Trichloroethane	8.61	97	121328	46.429	ug/l	94
56) Ethyl methacrylate	8.73	69	152149	47.001	ug/l	99
57) 1,3-Dichloropropane	8.98	76	204528	45.637	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.75	63	54241	223.416	ug/l	100
59) 2-Hexanone	9.61	43	460331	244.394	ug/l	98
60) Dibromochloromethane	8.84	129	190518	47.225	ug/l	94
61) 1,2-Dibromoethane	9.11	107	145561	45.930	ug/l	96
64) Tetrachloroethene	8.28	164	142723	46.366	ug/l	98
65) Chlorobenzene	9.91	112	411598	46.802	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.04	131	171579	45.109	ug/l	96
67) Ethyl Benzene	10.01	91	703741	47.170	ug/l	97
68) m/p-Xylenes	10.25	106	489848	92.248	ug/l	98
69) o-Xylene	10.81	106	270800	45.593	ug/l	94
70) Styrene	10.88	104	406477	44.926	ug/l	99
71) Bromoform	10.87	173	115294	44.224	ug/l	99
73) Isopropylbenzene	11.20	105	790117	49.943	ug/l	98
74) N-amyl acetate	11.44	43	283591	49.397	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	181849	45.513	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	137134	45.500	ug/l	92
77) Bromobenzene	11.58	156	212758	48.472	ug/l	86
78) n-propylbenzene	11.67	91	916654	48.245	ug/l	98
79) 2-Chlorotoluene	11.80	91	555860	47.886	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	673355	48.589	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	83088	46.318	ug/l	91
82) 4-Chlorotoluene	11.97	91	591863	47.603	ug/l	95
83) tert-Butylbenzene	12.20	119	696199	50.229	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	686916	47.064	ug/l	100
85) sec-Butylbenzene	12.37	105	882355	48.026	ug/l	96
86) p-Isopropyltoluene	12.53	119	763198	49.499	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	387249	53.786	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	379932	48.469	ug/l	96
89) n-Butylbenzene	12.90	91	753253	48.125	ug/l	98
90) Hexachloroethane	12.98	117	189809	49.393	ug/l	89
91) 1,2-Dichlorobenzene	13.01	146	377552	47.381	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	41336	46.670	ug/l	81

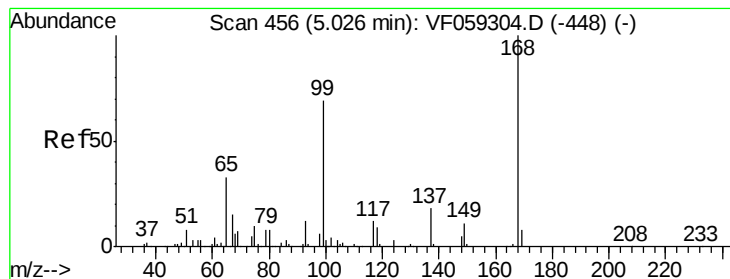
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	280724	47.645	ug/l	98
94) Hexachlorobutadiene	14.24	225	164842	50.088	ug/l	95
95) Naphthalene	14.51	128	602191	48.849	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	270062	48.385	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

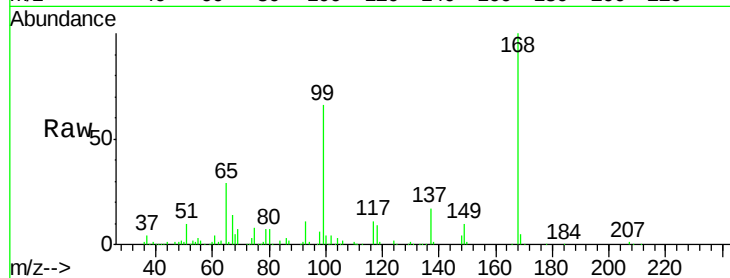
VSTDCCC050

Tot Ion:168 Resp: 297556

Ion Ratio Lower Upper

168 100

99 66.2 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

100000

80000

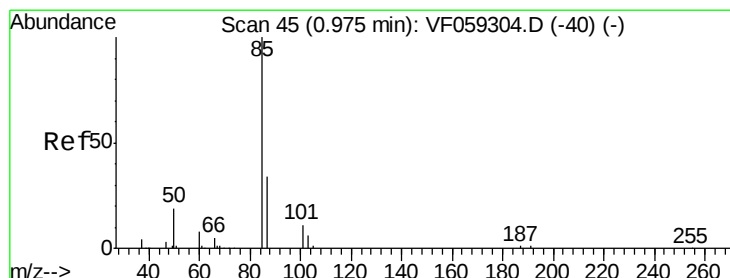
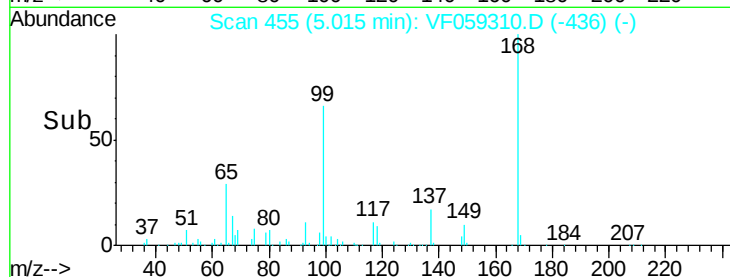
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.604 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059310.D

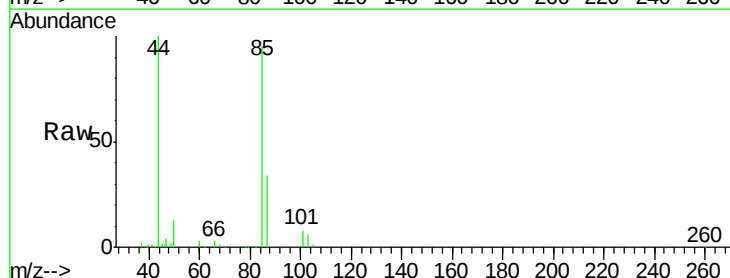
Acq: 26 Jun 2018 11:43

Tgt Ion: 85 Resp: 123978

Ion Ratio Lower Upper

85 100

87 35.4 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

40000

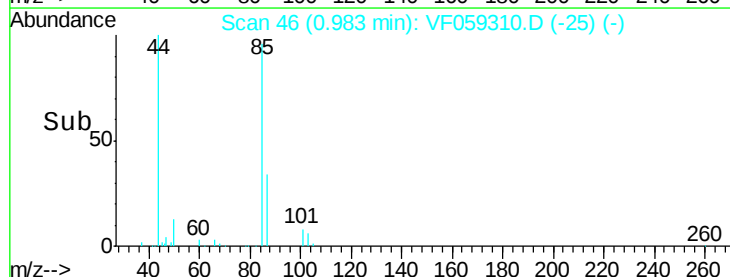
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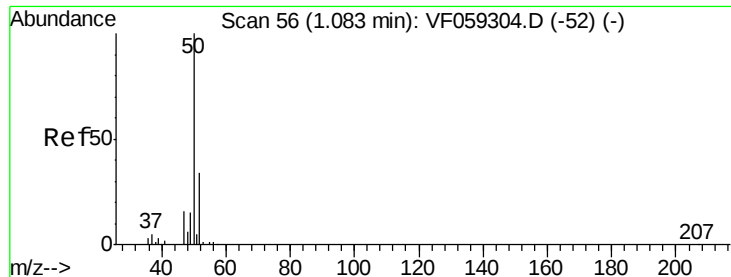
20000

10000

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Time-->





#3

Chloromethane

Concen: 48.841 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

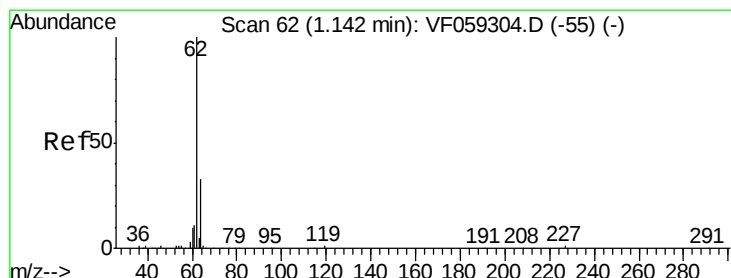
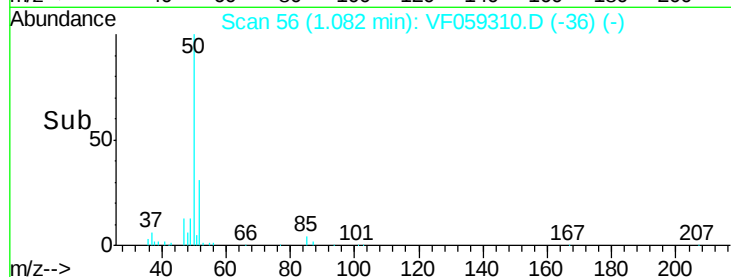
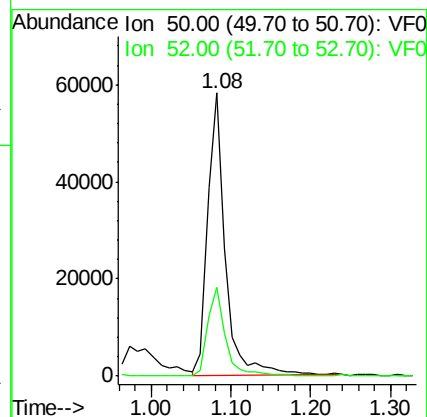
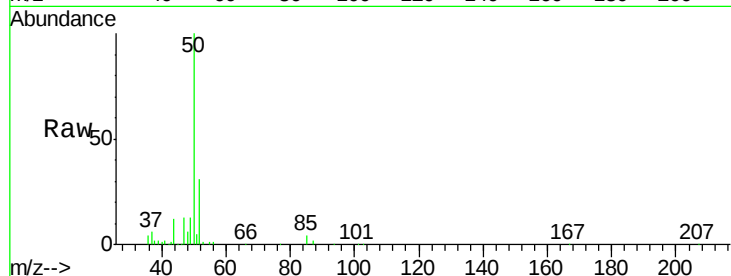
VSTDCCC050

Tot Ion: 50 Resp: 89202

Ion Ratio Lower Upper

50 100

52 31.3 26.7 40.1



#4

Vinyl Chloride

Concen: 52.109 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059310.D

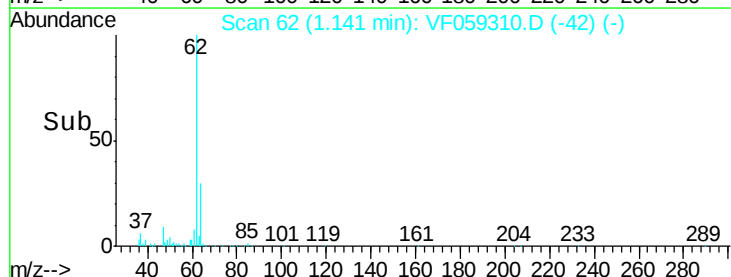
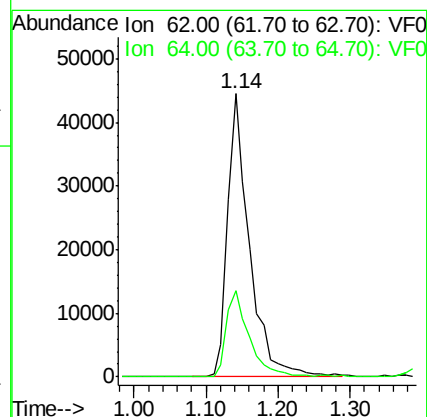
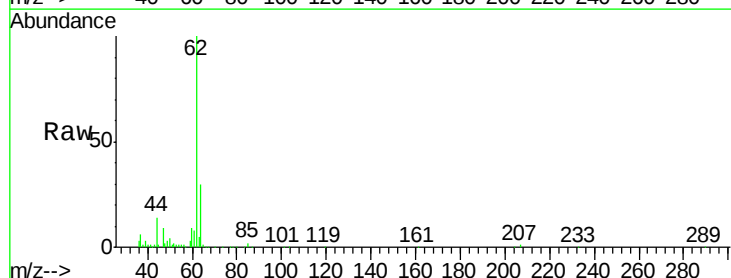
Acq: 26 Jun 2018 11:43

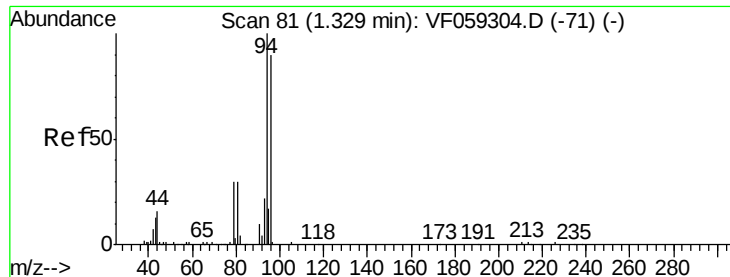
Tgt Ion: 62 Resp: 93680

Ion Ratio Lower Upper

62 100

64 30.3 26.3 39.5





#5

Bromomethane

Concen: 63.505 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

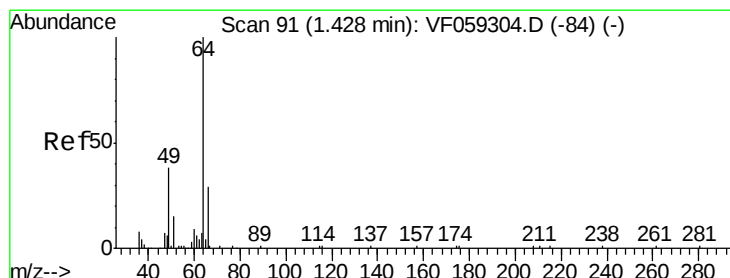
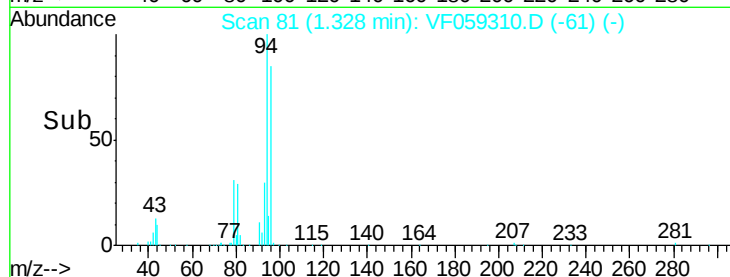
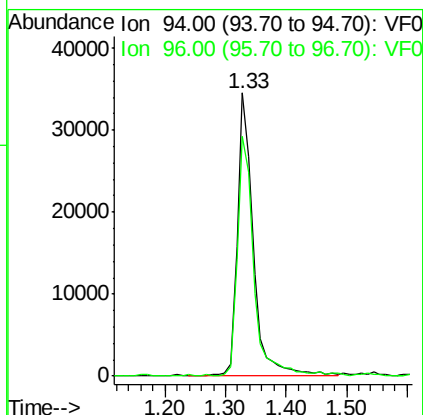
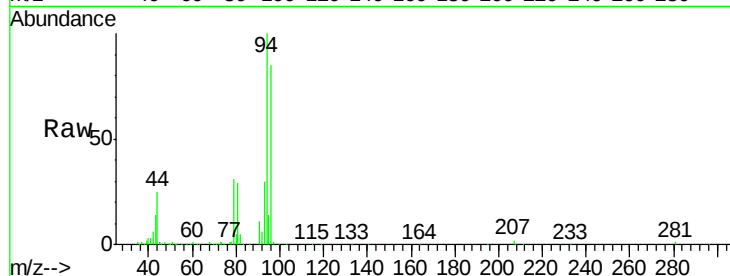
VSTDCCC050

Tot Ion: 94 Resp: 63455

Ion Ratio Lower Upper

94 100

96 84.7 73.4 110.0



#6

Chloroethane

Concen: 54.792 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059310.D

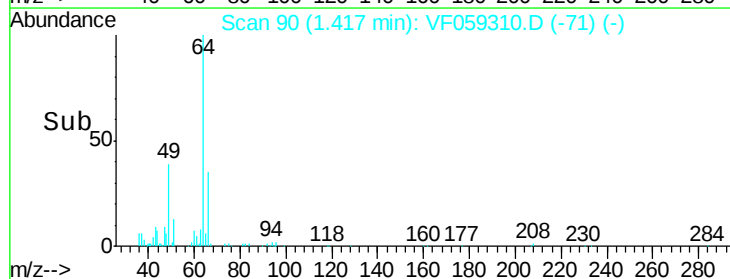
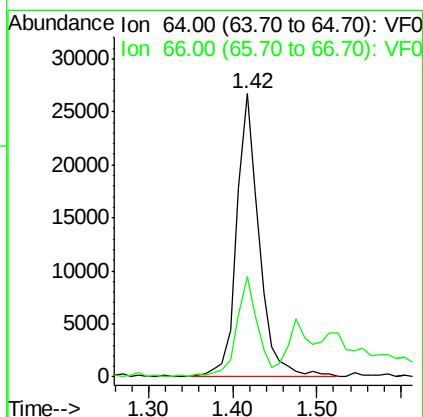
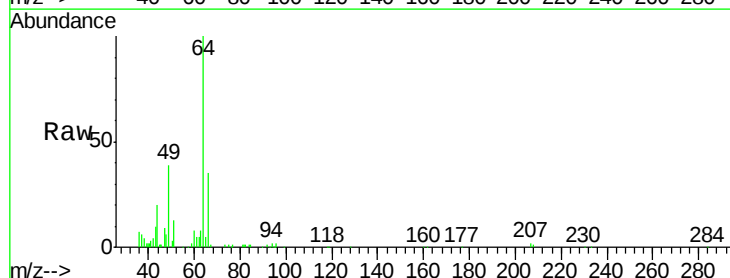
Acq: 26 Jun 2018 11:43

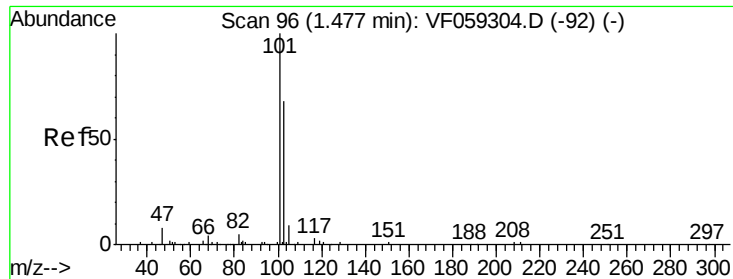
Tgt Ion: 64 Resp: 49613

Ion Ratio Lower Upper

64 100

66 35.4 23.9 35.9





#7

Trichlorofluoromethane

Concen: 19.353 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

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ClientSampleId :

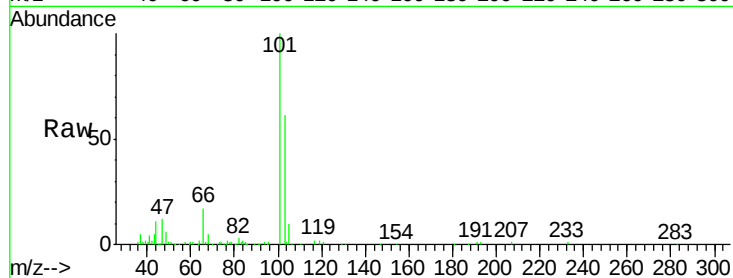
VSTDCCC050

Tot Ion:101 Resp: 68799

Ion Ratio Lower Upper

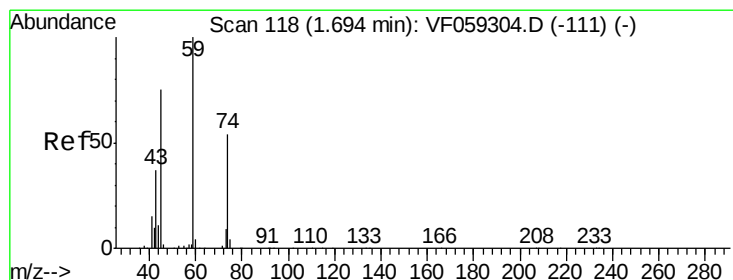
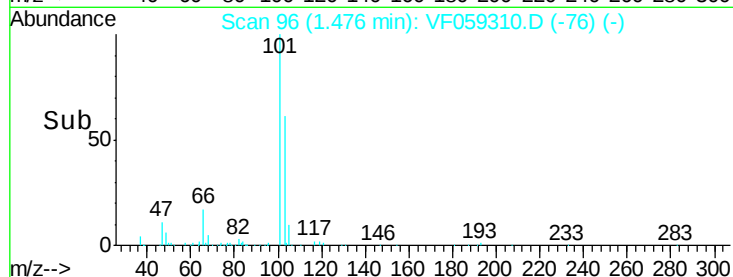
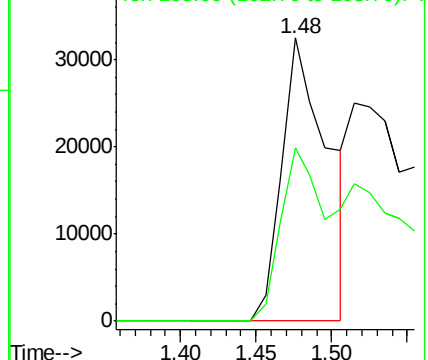
101 100

103 61.4 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 50.288 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059310.D

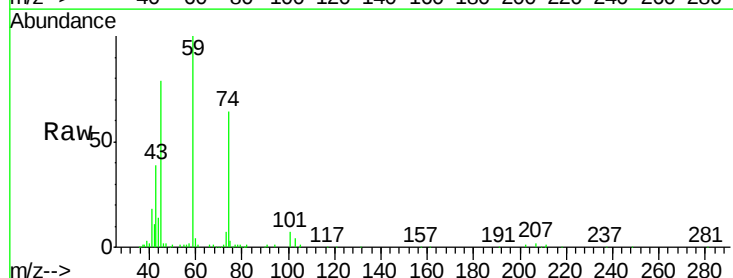
Acq: 26 Jun 2018 11:43

Tgt Ion: 74 Resp: 45839

Ion Ratio Lower Upper

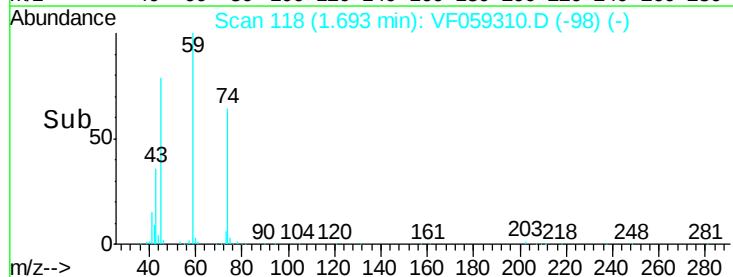
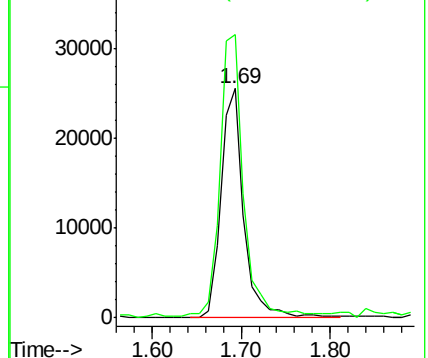
74 100

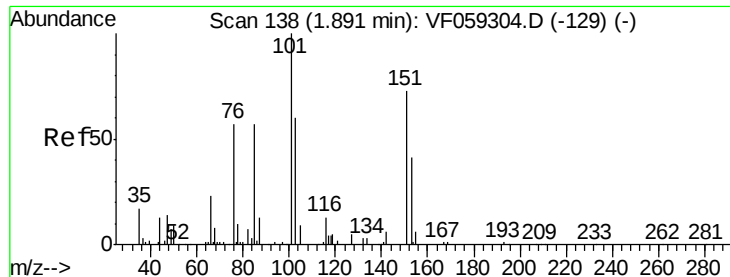
45 123.5 70.0 210.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.115 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

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VSTDCCC050

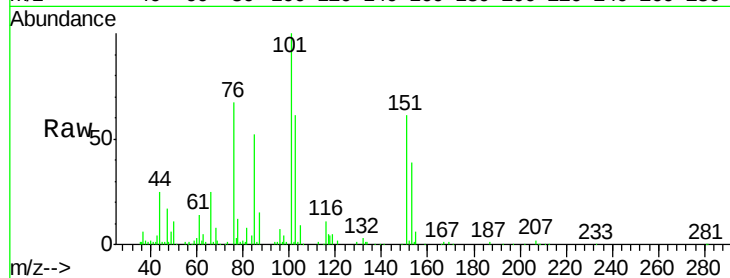
Tot Ion:101 Resp: 106069

Ion Ratio Lower Upper

101 100

85 51.7 44.5 66.7

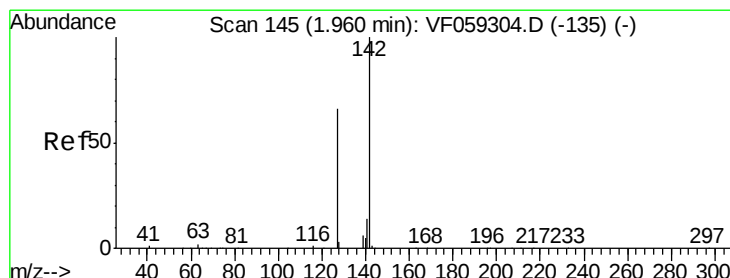
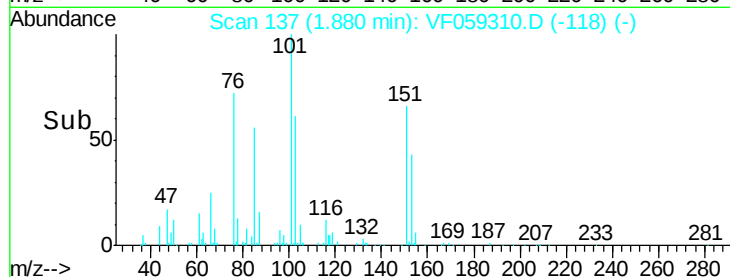
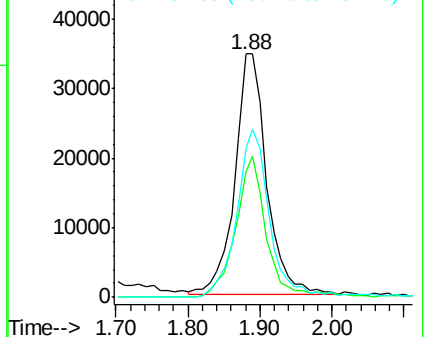
151 61.3 56.8 85.2



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: 52.327 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

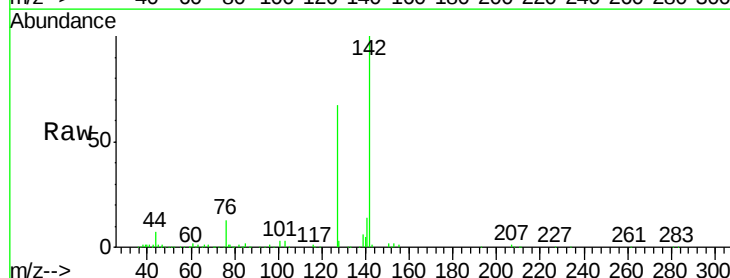
Tgt Ion:142 Resp: 198010

Ion Ratio Lower Upper

142 100

127 67.2 52.5 78.7

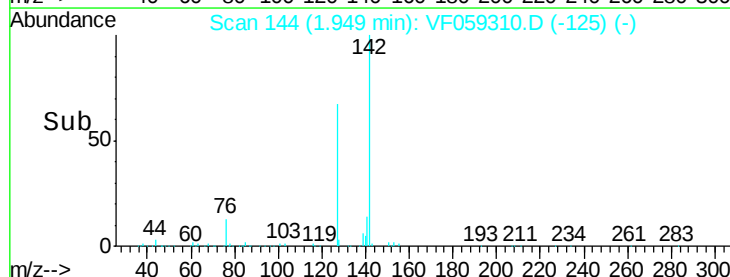
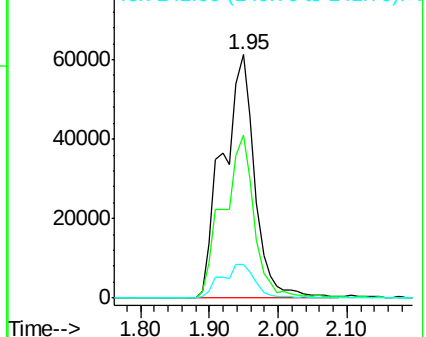
141 13.6 11.5 17.3

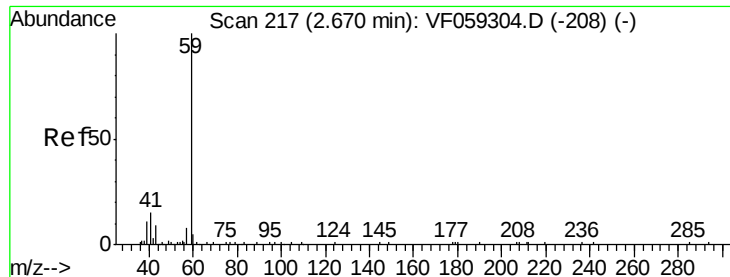


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



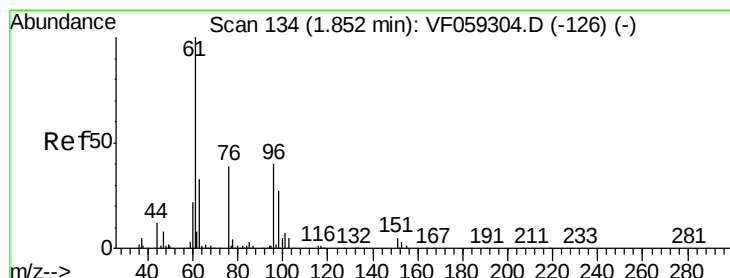
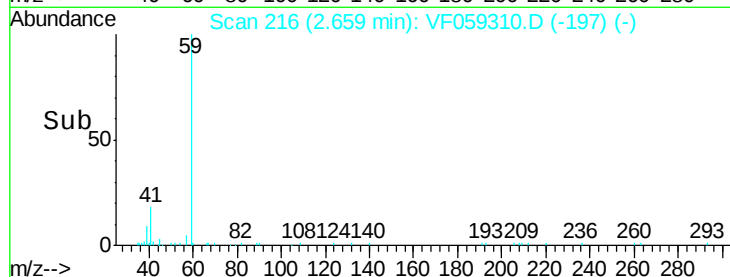
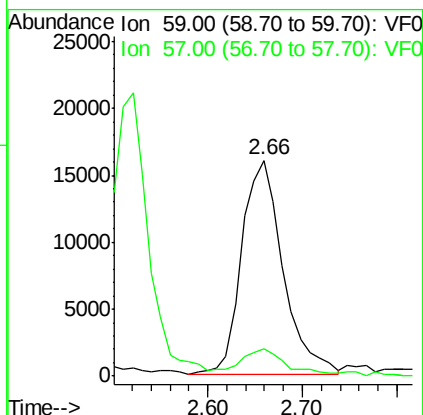
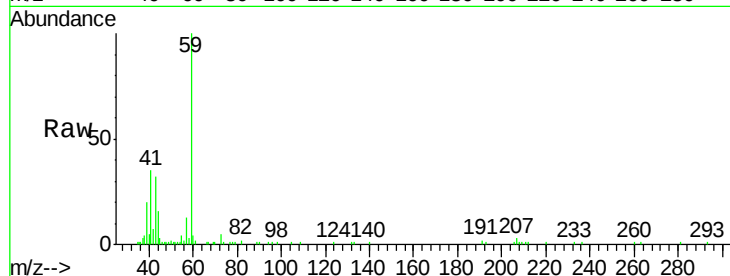


#11

Tert butyl alcohol
 Concen: 189.107 ug/l
 RT: 2.66 min Scan# 216
 Delta R.T. -0.01 min
 Lab File: VF059310.D
 Acq: 26 Jun 2018 11:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

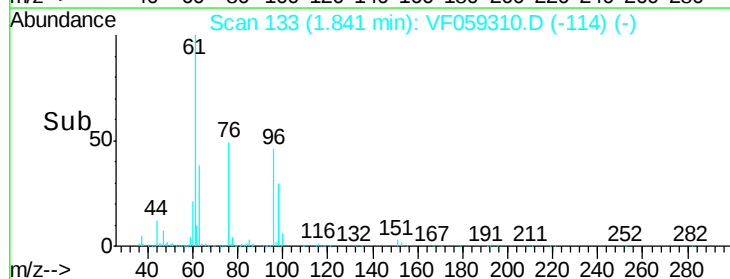
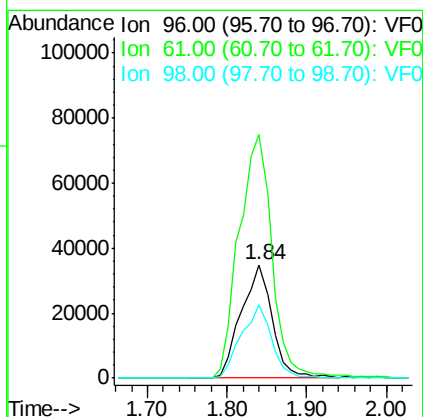
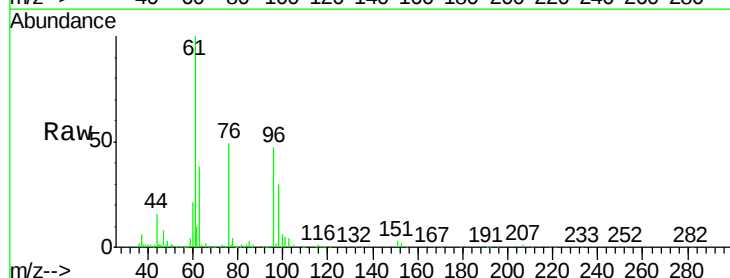
Tot Ion: 59 Resp: 48399
 Ion Ratio Lower Upper
 59 100
 57 12.6 11.0 16.4

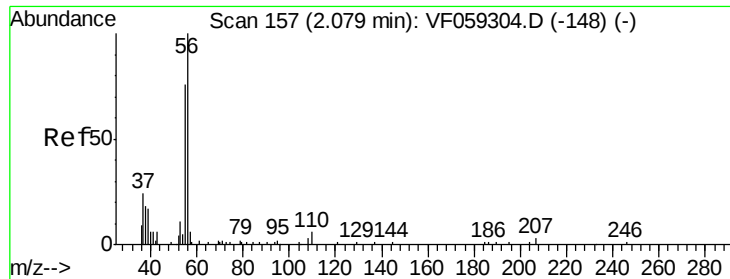


#12

1,1-Dichloroethene
 Concen: 52.901 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VF059310.D
 Acq: 26 Jun 2018 11:43

Tgt Ion: 96 Resp: 92803
 Ion Ratio Lower Upper
 96 100
 61 214.7 201.1 301.7
 98 64.3 53.9 80.9





#13

Acrolein

Concen: 262.185 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

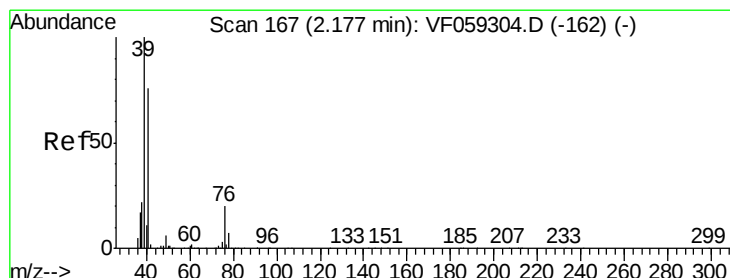
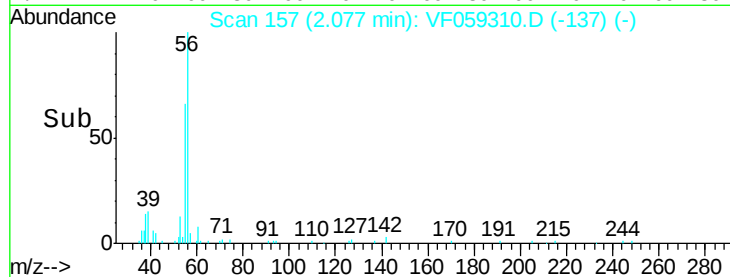
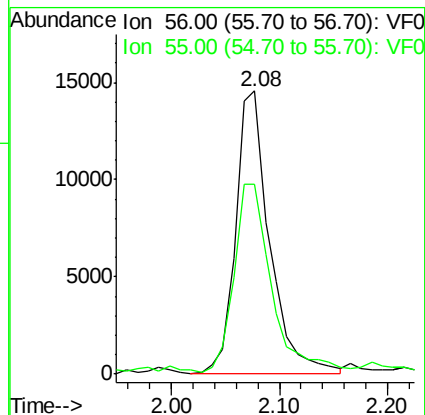
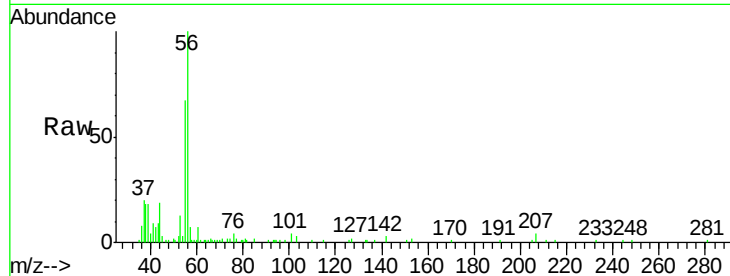
VSTDCCC050

Tot Ion: 56 Resp: 31881

Ion Ratio Lower Upper

56 100

55 67.3 62.4 93.6



#14

Allyl chloride

Concen: 52.238 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

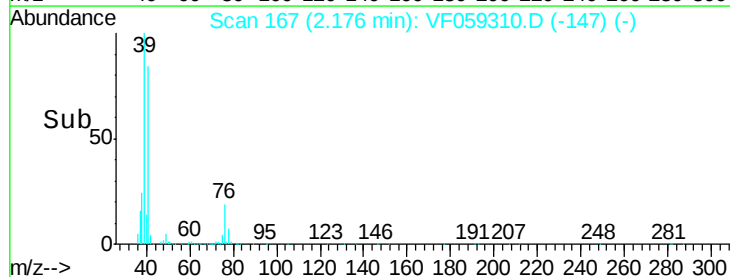
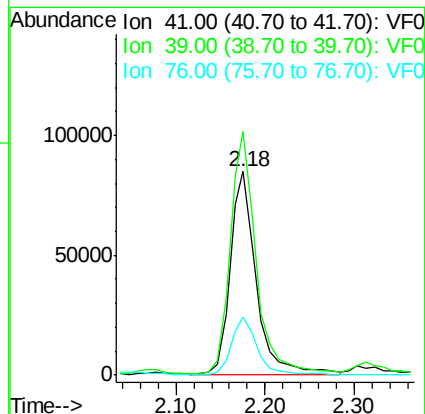
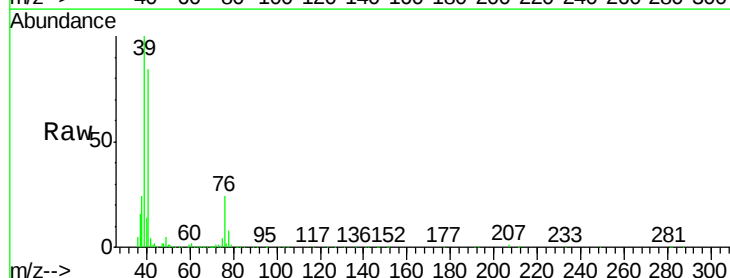
Tgt Ion: 41 Resp: 172025

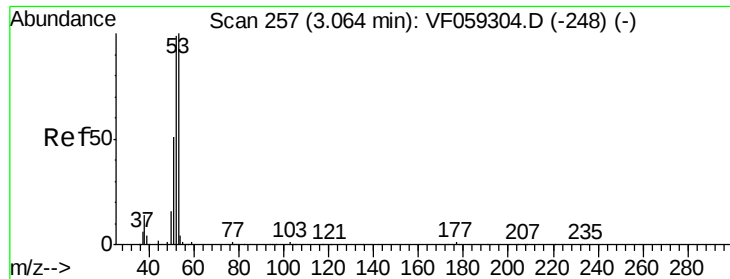
Ion Ratio Lower Upper

41 100

39 119.6 105.6 158.4

76 28.2 21.6 32.4





#15

Acrylonitrile

Concen: 225.999 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

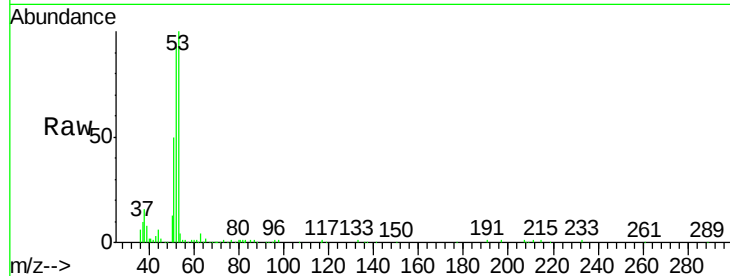
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 101857

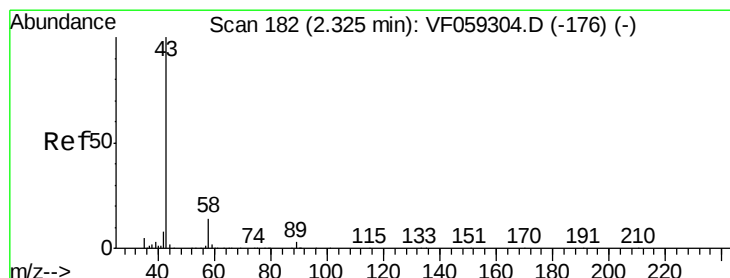
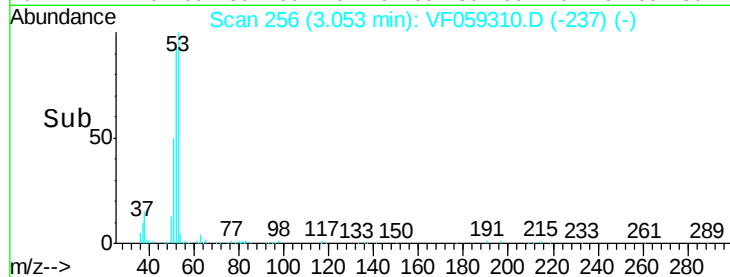
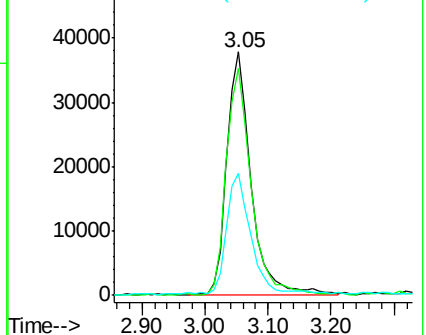
Ion	Ratio	Lower	Upper
53	100		
52	93.2	79.2	118.8
51	50.1	40.9	61.3



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 261.517 ug/l

RT: 2.31 min Scan# 181

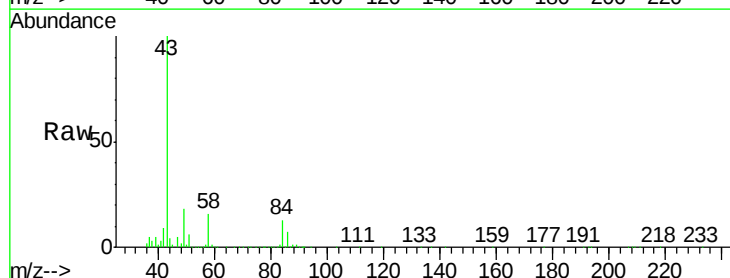
Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

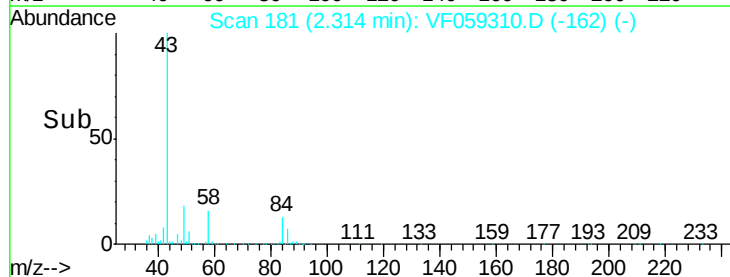
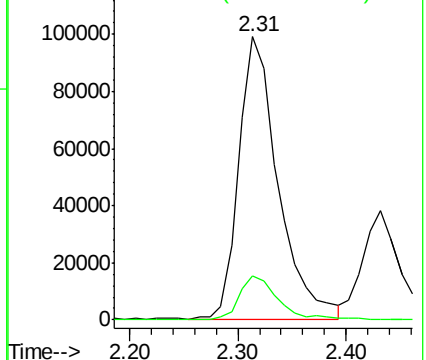
Tgt Ion: 43 Resp: 250637

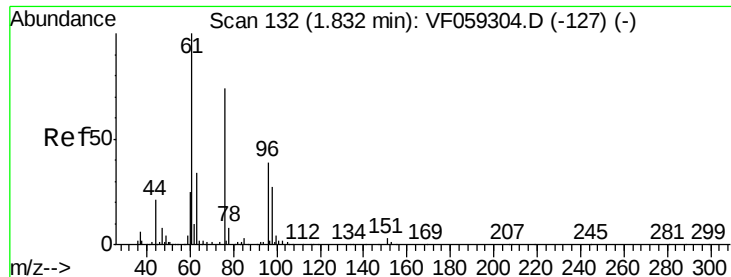
Ion	Ratio	Lower	Upper
43	100		
58	15.7	11.4	17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

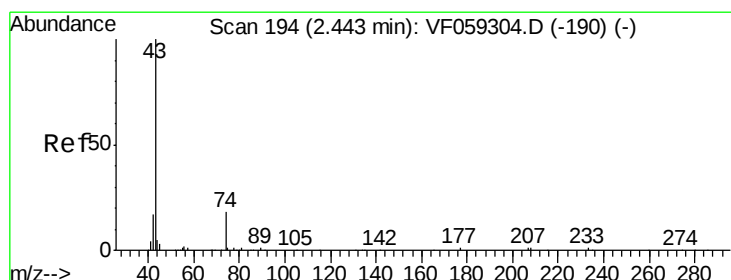
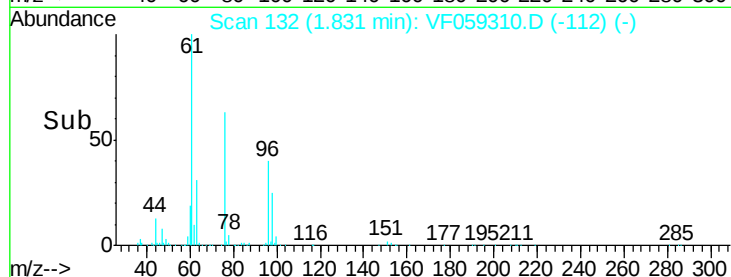
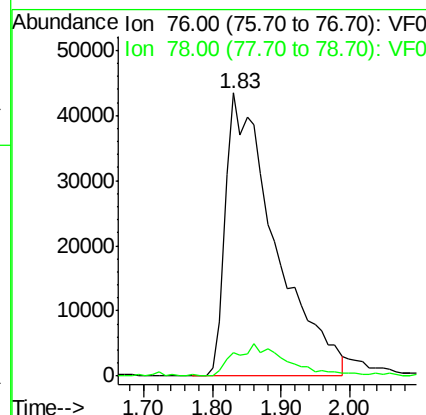
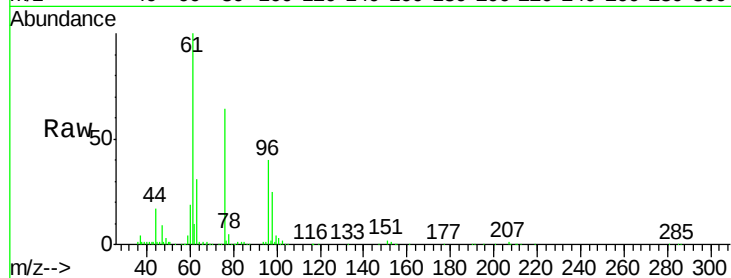




#17
Carbon Disulfide
Concen: 52.361 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

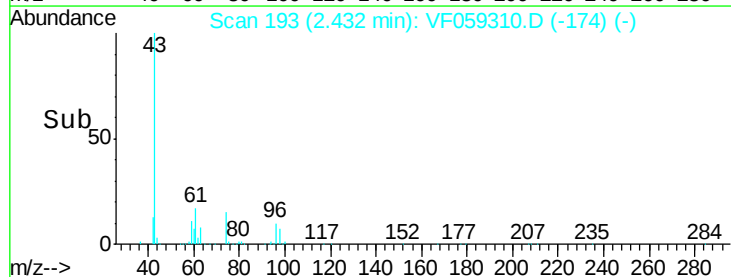
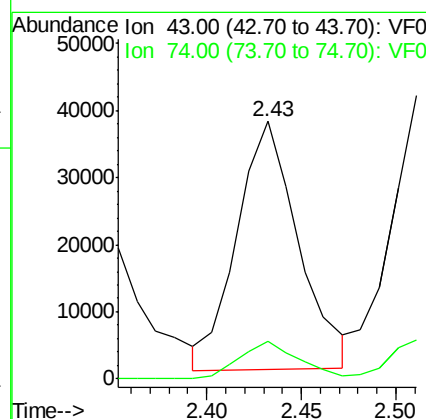
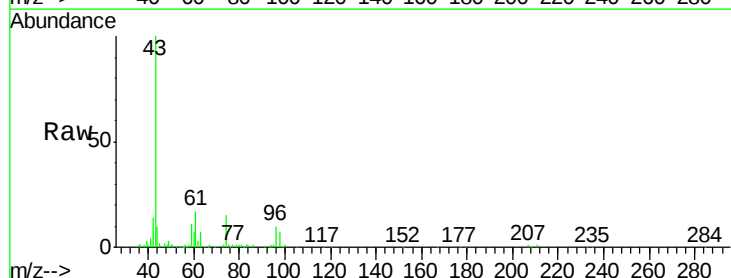
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

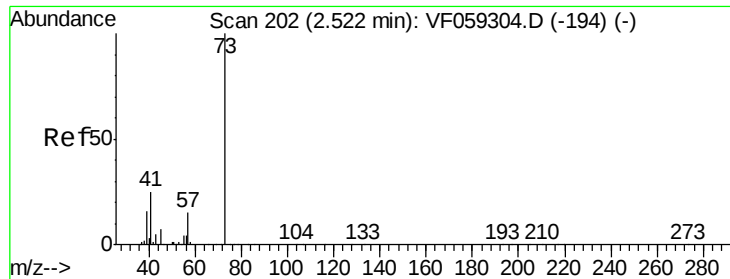
Tot Ion: 76 Resp: 216069
Ion Ratio Lower Upper
76 100
78 8.4 8.9 13.3#



#18
Methyl Acetate
Concen: 48.183 ug/l
RT: 2.43 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion: 43 Resp: 83679
Ion Ratio Lower Upper
43 100
74 14.7 13.3 19.9

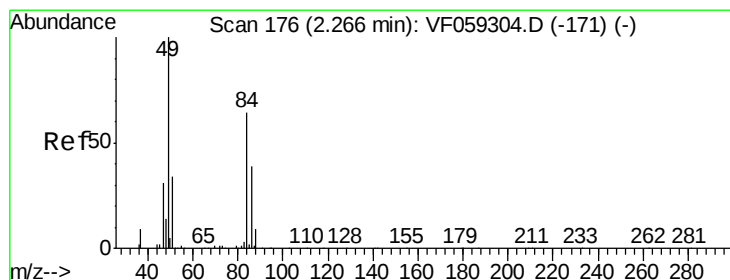
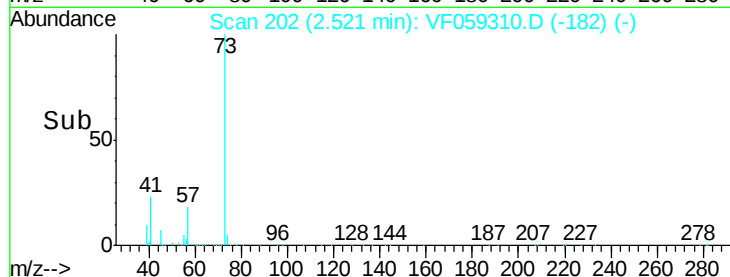
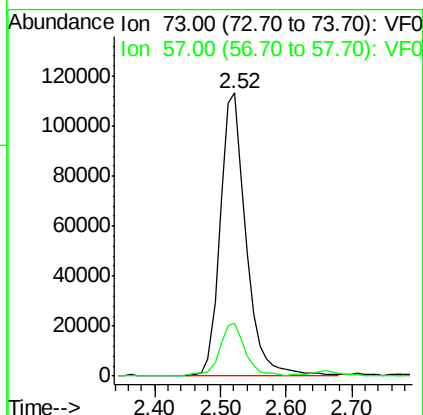
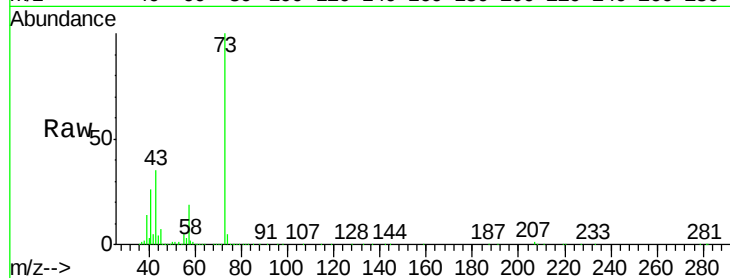




#19
Methvl tert-butvl Ether
Concen: 46.940 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

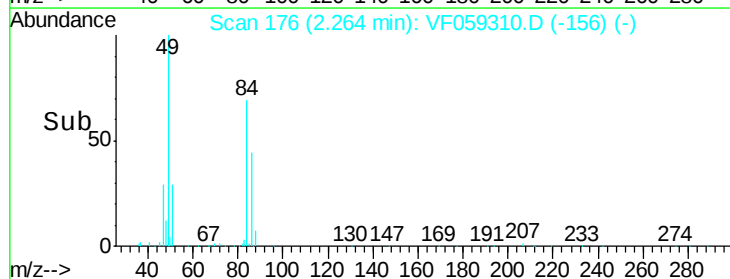
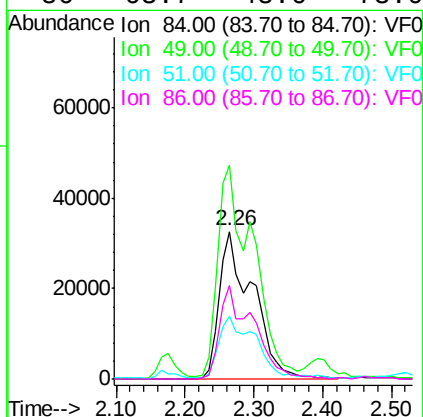
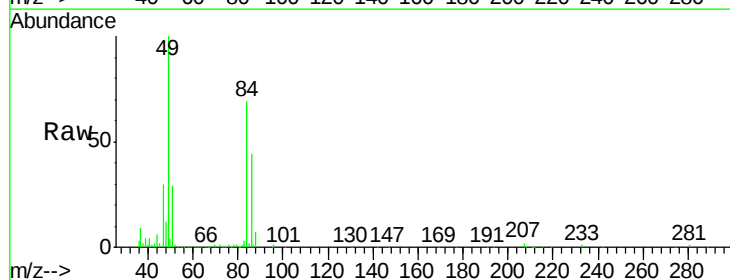
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

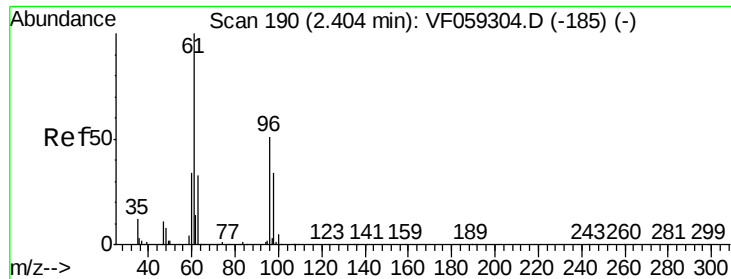
Tot Ion: 73 Resp: 307150
Ion Ratio Lower Upper
73 100
57 18.7 12.3 18.5#



#20
Methylene Chloride
Concen: 51.000 ug/l
RT: 2.26 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion: 84 Resp: 109635
Ion Ratio Lower Upper
84 100
49 144.6 126.5 189.7
51 42.2 42.9 64.3#
86 63.7 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 49.546 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

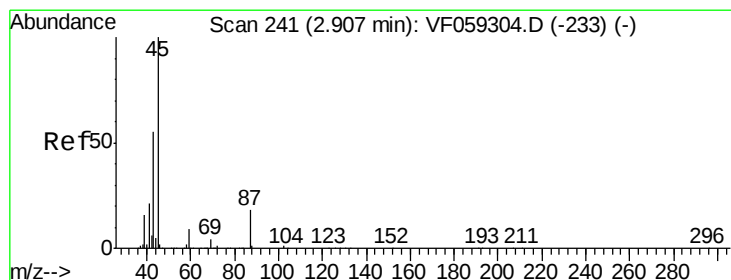
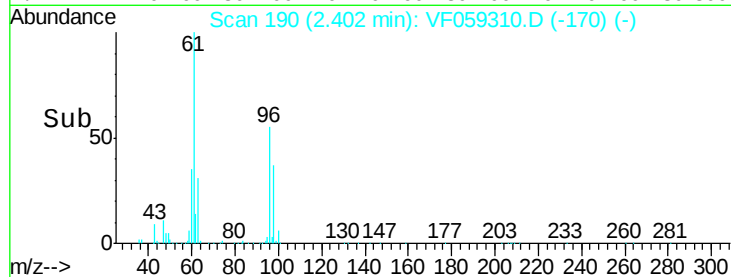
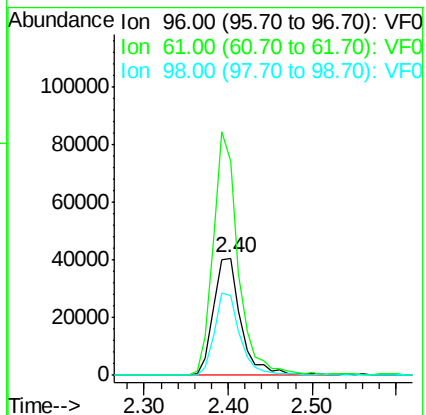
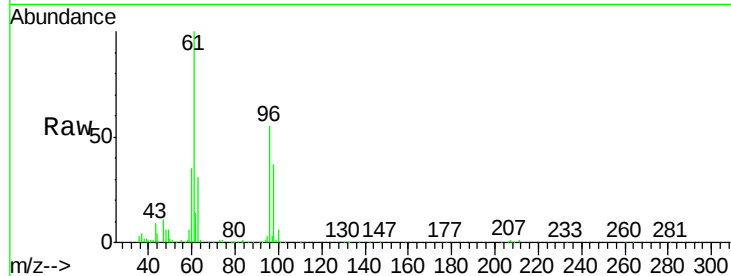
Tot Ion: 96 Resp: 92718

Ion Ratio Lower Upper

96 100

61 182.6 157.4 236.2

98 68.1 53.7 80.5



#22

Diisopropyl ether

Concen: 50.529 ug/l

RT: 2.91 min Scan# 241

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Tgt Ion: 45 Resp: 368469

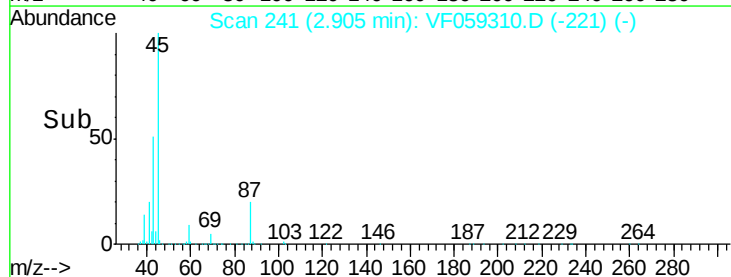
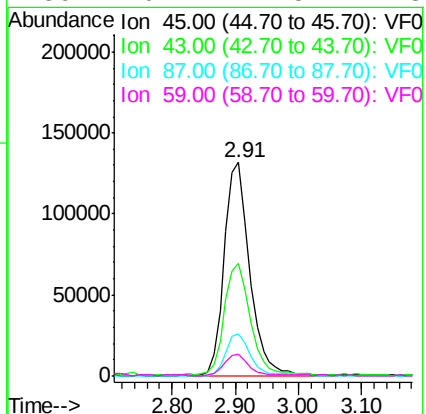
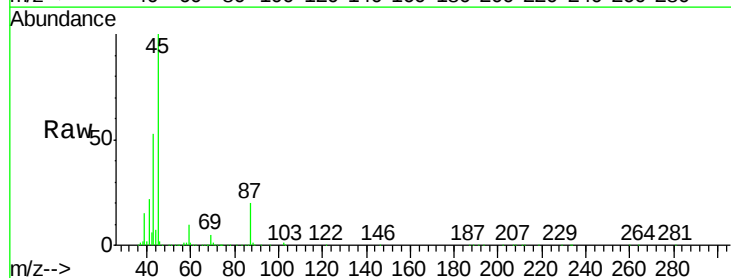
Ion Ratio Lower Upper

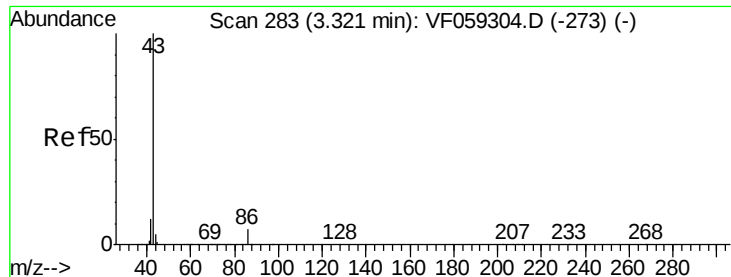
45 100

43 52.5 44.6 66.8

87 20.0 14.3 21.5

59 10.1 7.5 11.3





#23

Vinyl Acetate

Concen: 238.067 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

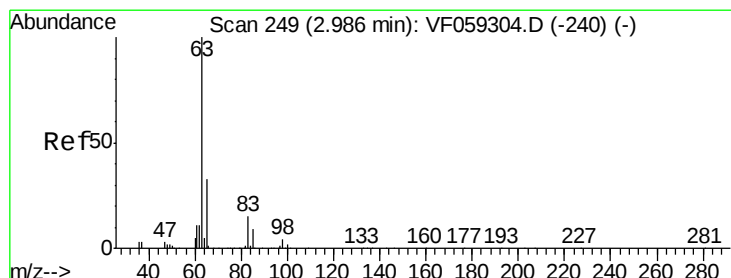
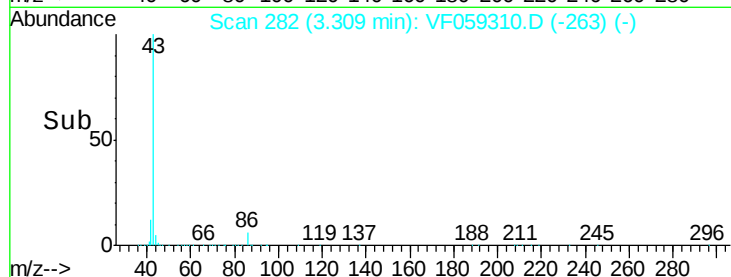
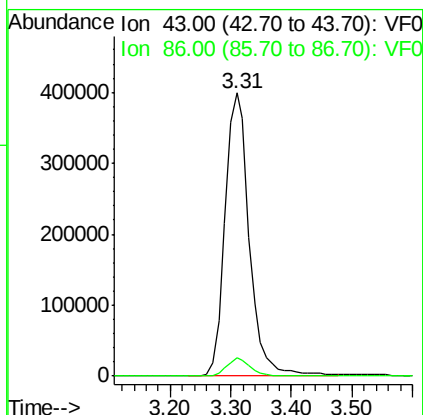
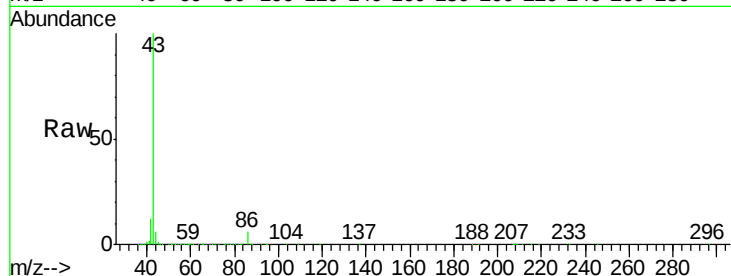
VSTDCCC050

Tot Ion: 43 Resp: 1105614

Ion Ratio Lower Upper

43 100

86 6.3 5.8 8.6



#24

1,1-Dichloroethane

Concen: 48.282 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

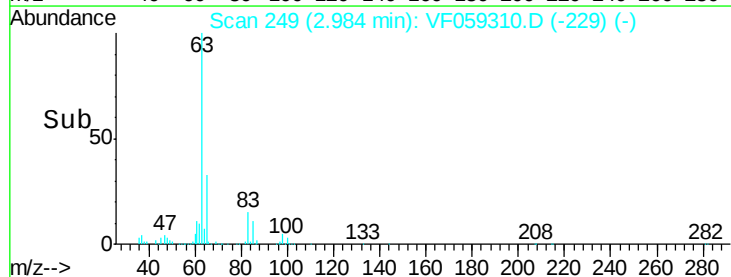
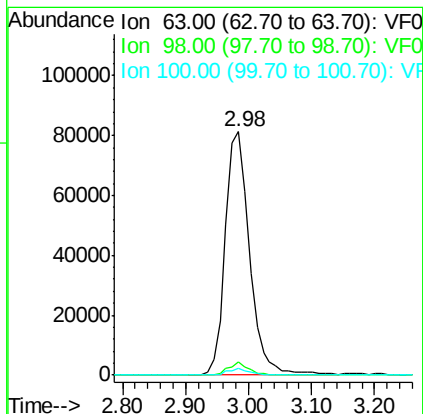
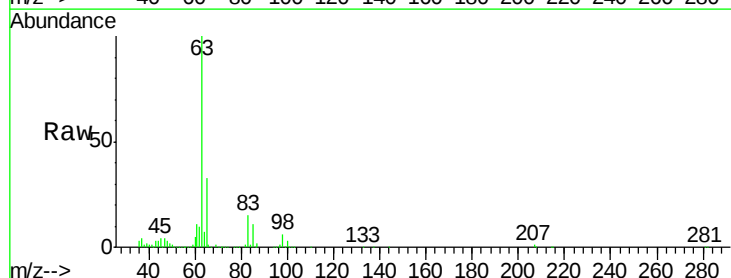
Tgt Ion: 63 Resp: 218298

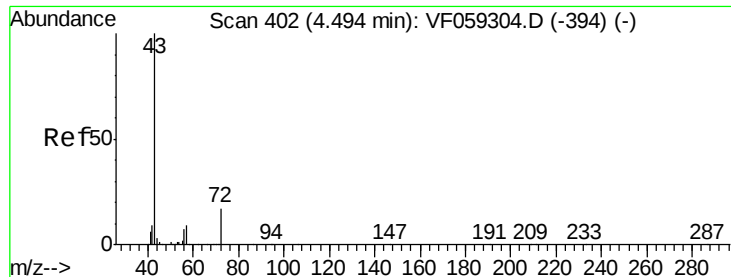
Ion Ratio Lower Upper

63 100

98 5.6 2.0 6.0

100 2.6 1.3 3.9





#25

2-Butanone

Concen: 243.719 ug/l

RT: 4.47 min Scan# 400

Delta R.T. -0.02 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

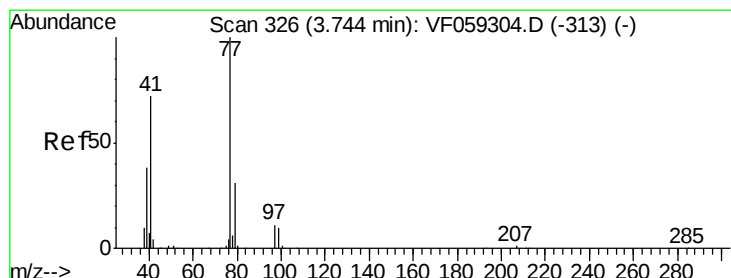
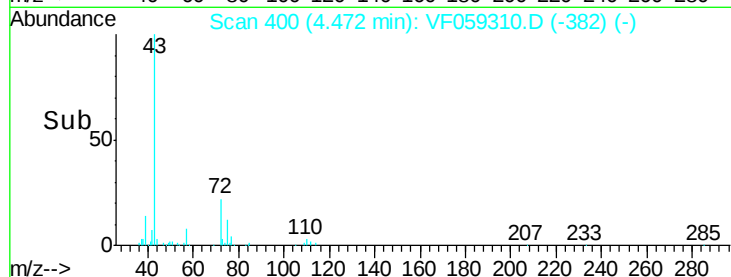
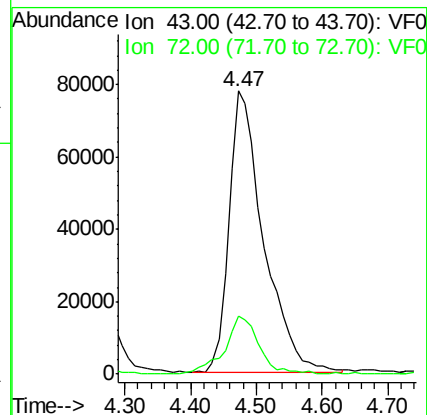
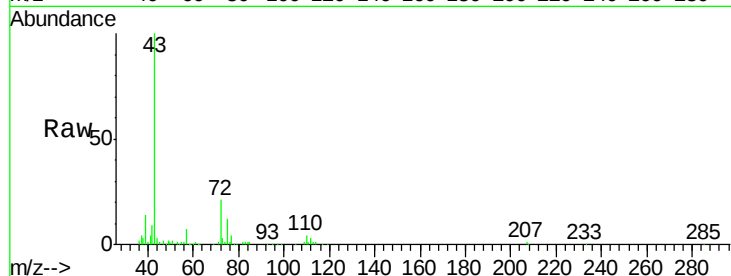
VSTDCCC050

Tot Ion: 43 Resp: 283517

Ion Ratio Lower Upper

43 100

72 20.6 14.4 21.6



#26

2,2-Dichloropropane

Concen: 50.173 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059310.D

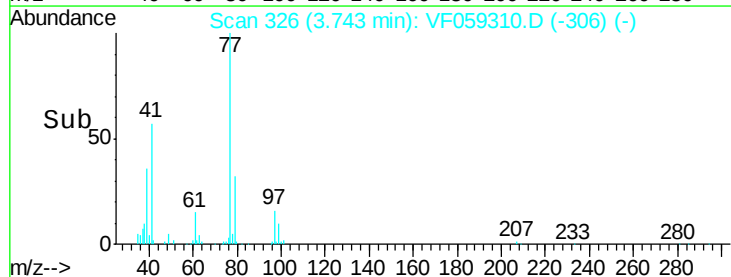
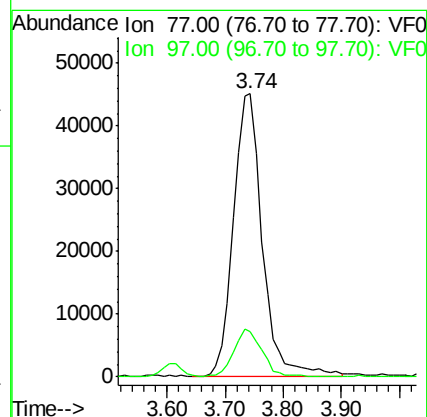
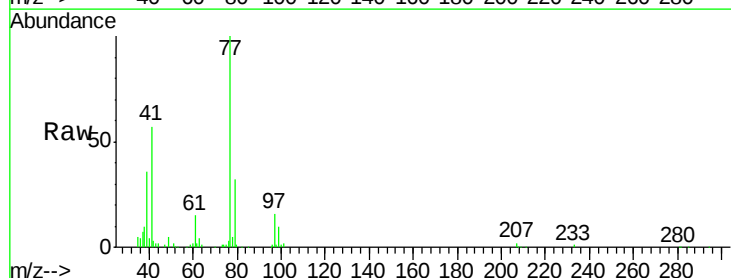
Acq: 26 Jun 2018 11:43

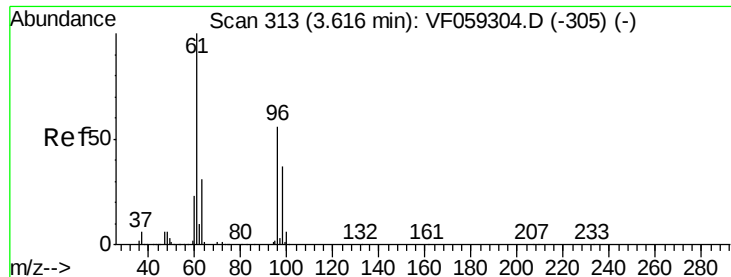
Tgt Ion: 77 Resp: 156460

Ion Ratio Lower Upper

77 100

97 15.9 8.0 23.8



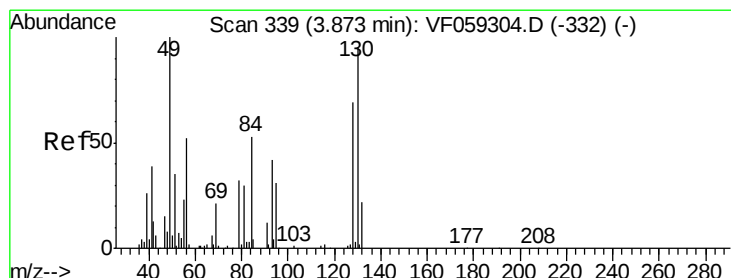
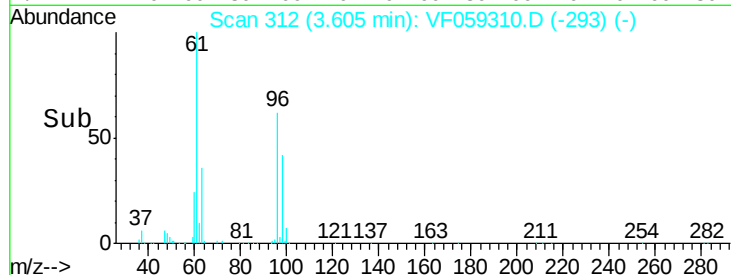
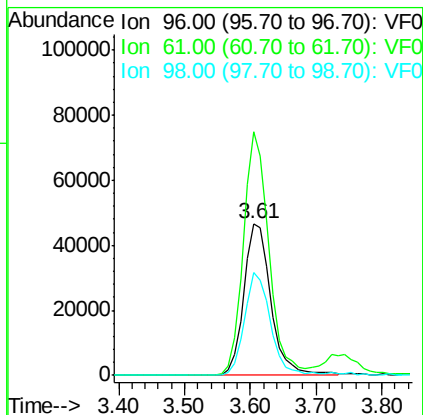
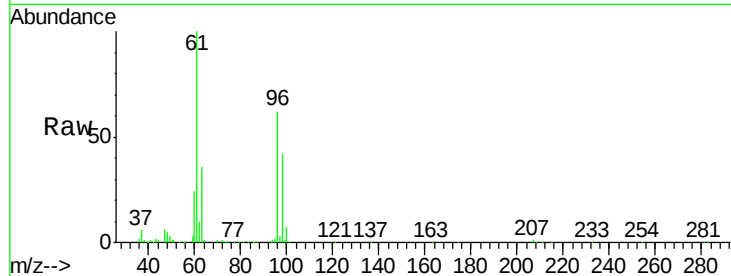


#27

cis-1,2-Dichloroethene
Concen: 47.501 ug/l
RT: 3.61 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

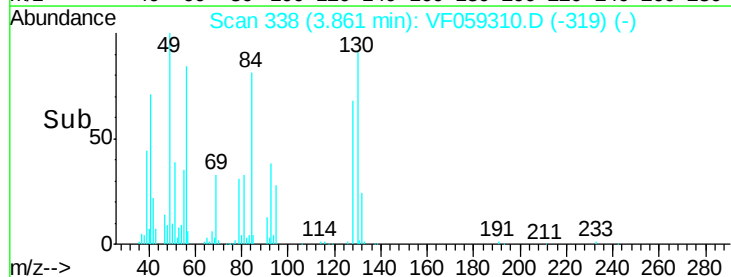
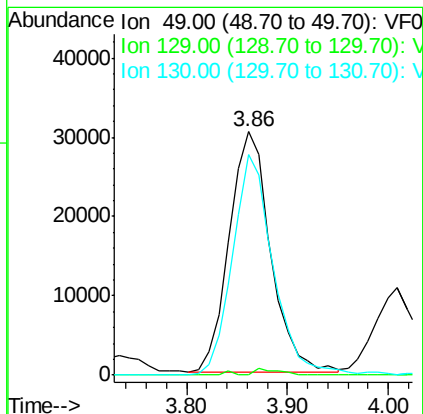
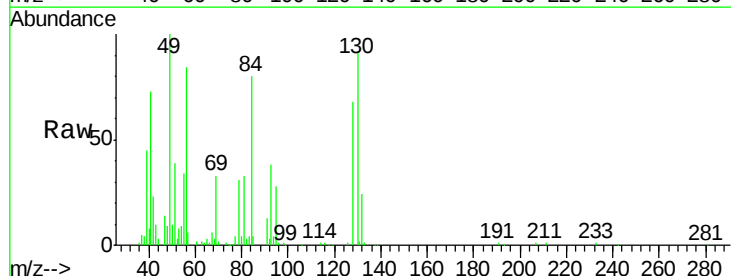
Tot Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	355.4
98	68.2	0.0	131.0

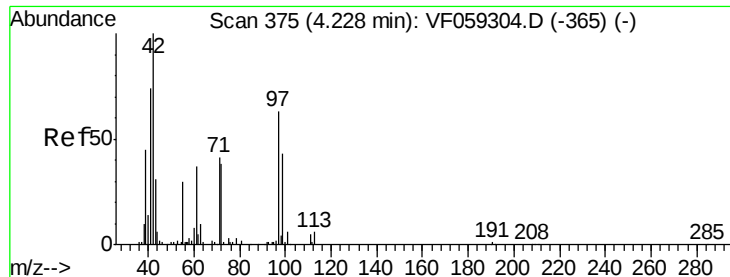


#28

Bromochloromethane
Concen: 50.063 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	90.8	75.1	112.7





#29

Tetrahydrofuran

Concen: 240.665 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

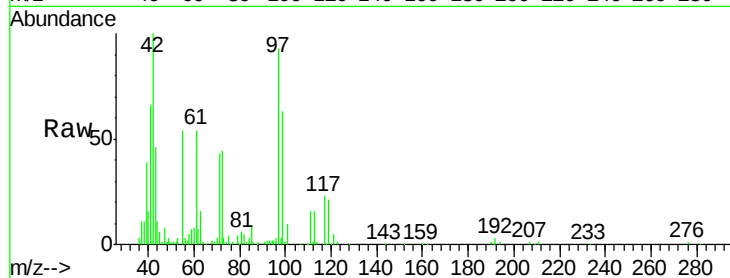
Tot Ion: 42 Resp: 119164

Ion Ratio Lower Upper

42 100

72 39.6 30.5 45.7

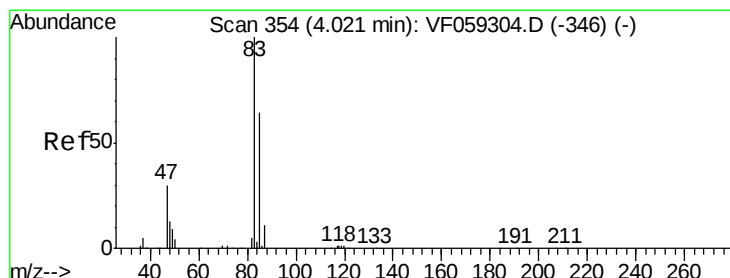
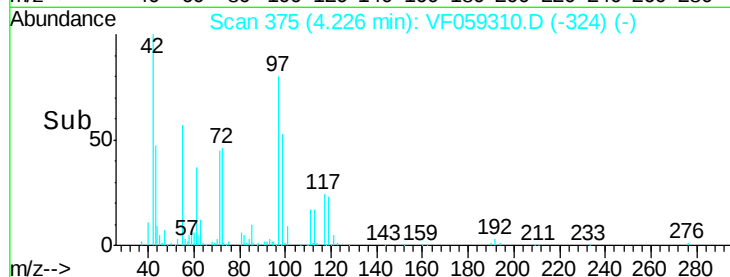
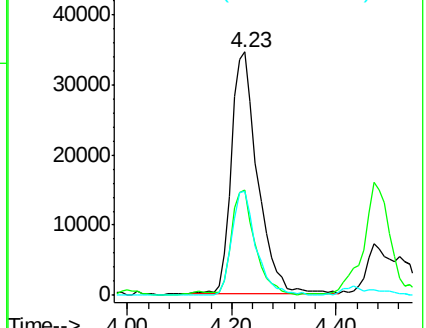
71 39.9 32.5 48.7



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 46.957 ug/l

RT: 4.01 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF059310.D

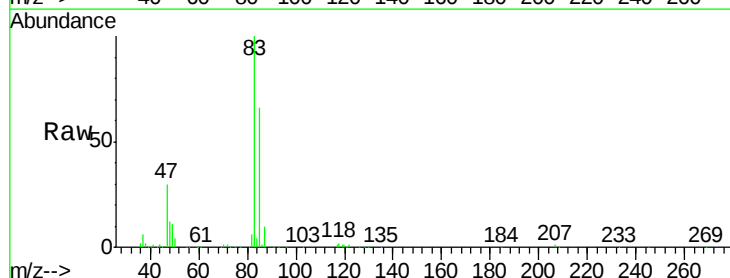
Acq: 26 Jun 2018 11:43

Tgt Ion: 83 Resp: 307350

Ion Ratio Lower Upper

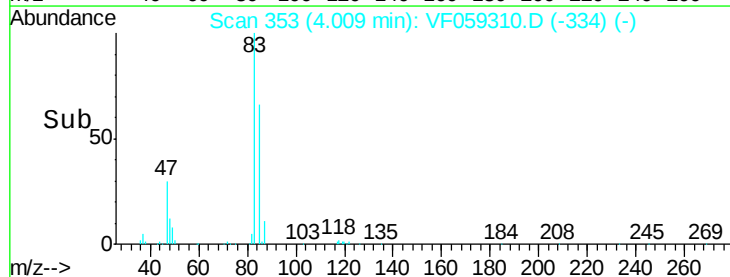
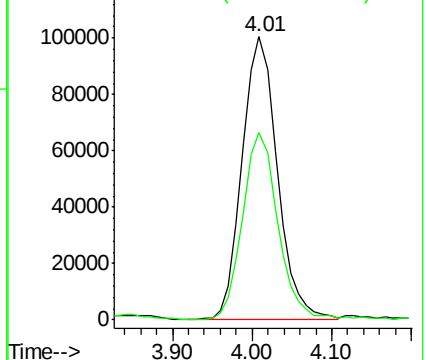
83 100

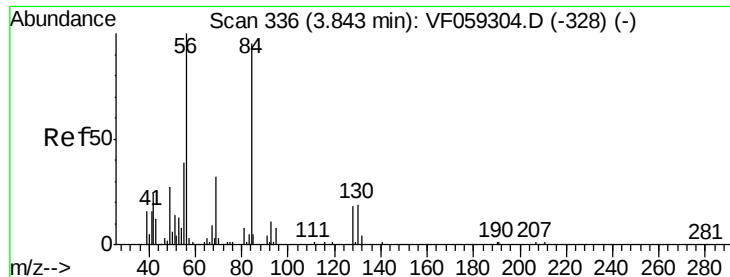
85 66.3 51.3 76.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

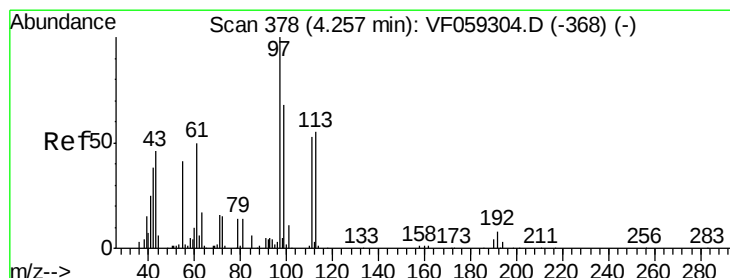
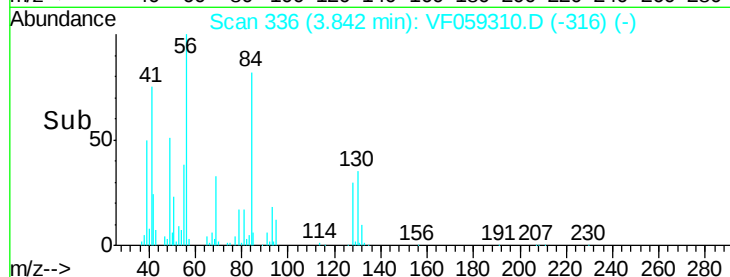
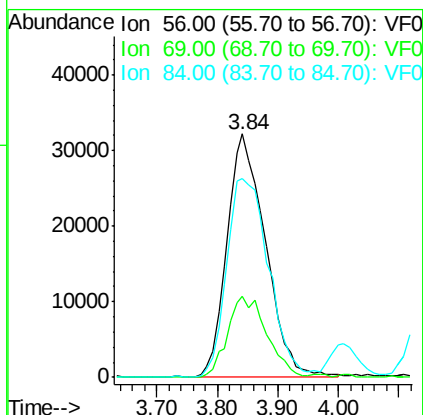
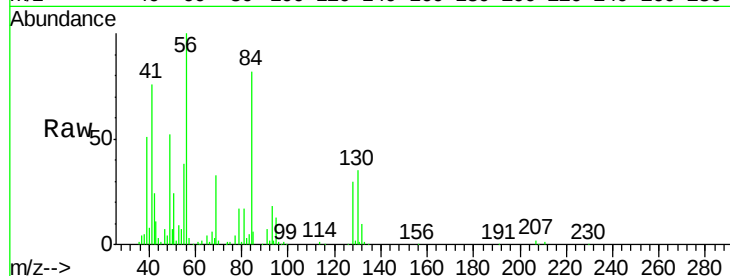




#31
Cyclohexane
Concen: 48.006 ug/l
RT: 3.84 min Scan# 336
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

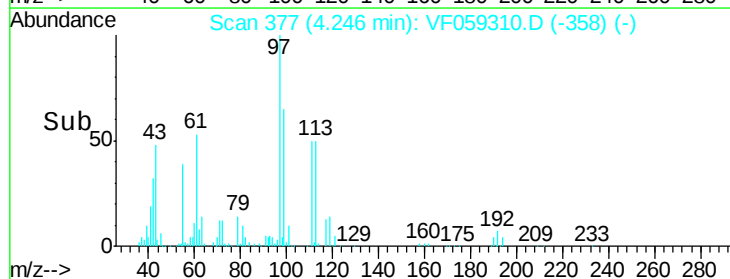
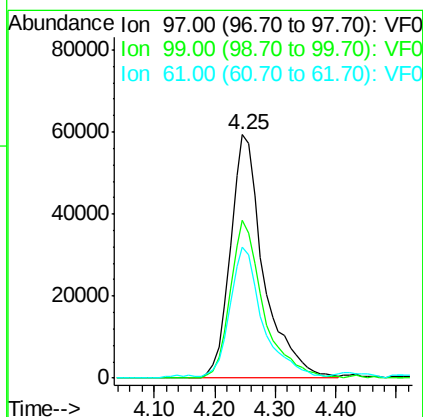
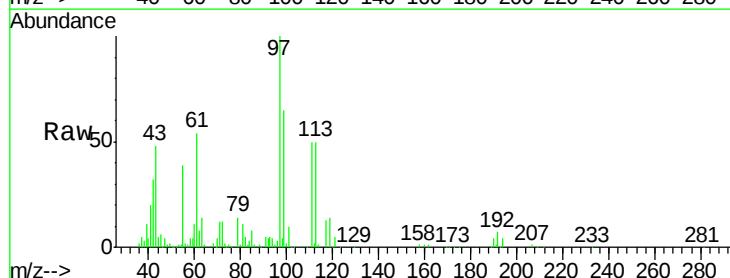
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

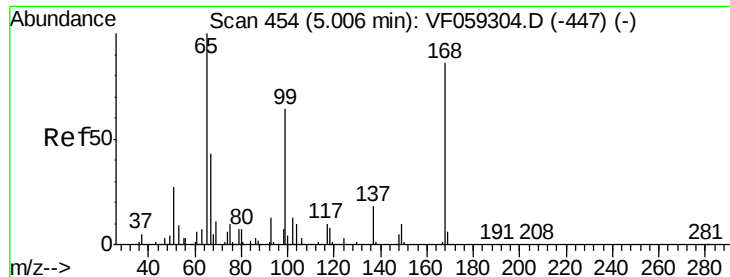
Tot Ion: 56 Resp: 142186
Ion Ratio Lower Upper
56 100
69 33.1 25.8 38.8
84 81.9 75.6 113.4



#32
1,1,1-Trichloroethane
Concen: 47.302 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion: 97 Resp: 226569
Ion Ratio Lower Upper
97 100
99 64.7 54.1 81.1
61 53.6 41.2 61.8

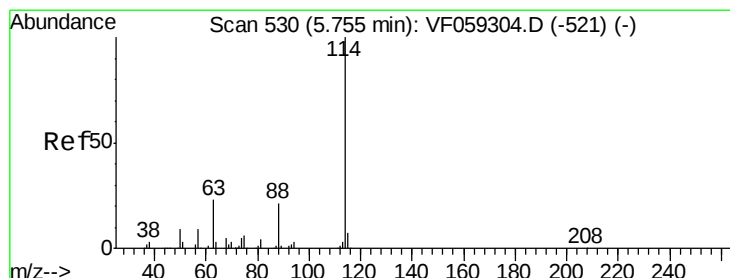
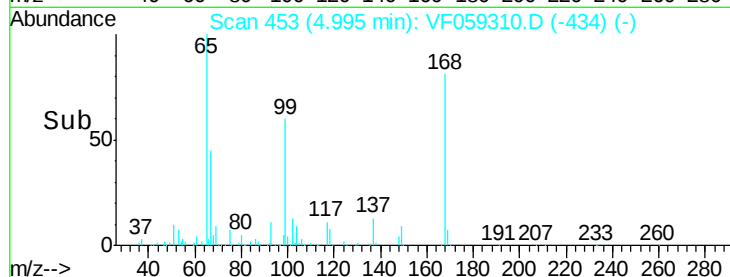
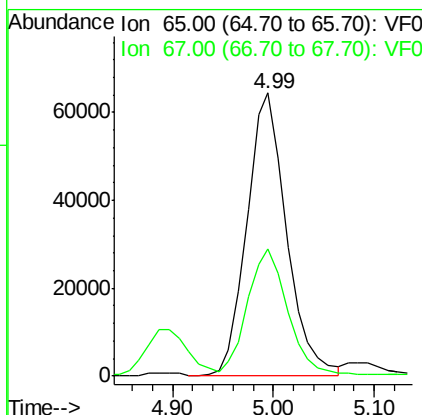
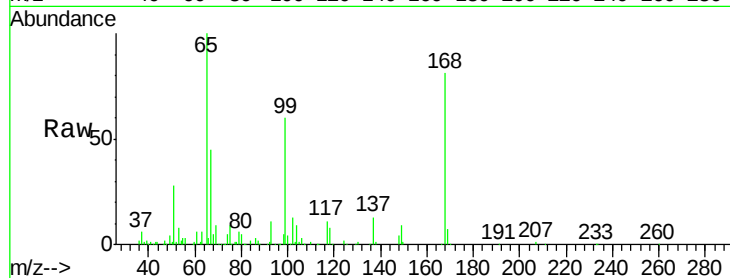




#33
 1,2-Dichloroethane-d4
 Concen: 45.751 ug/l
 RT: 4.99 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059310.D
 Acq: 26 Jun 2018 11:43

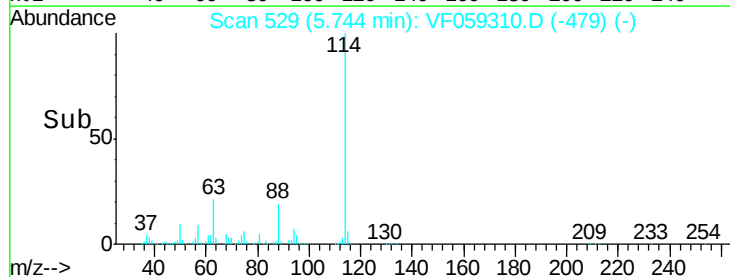
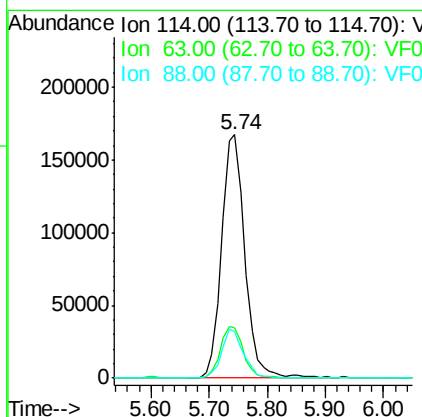
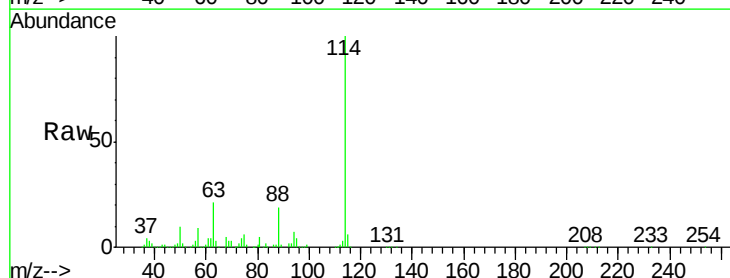
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

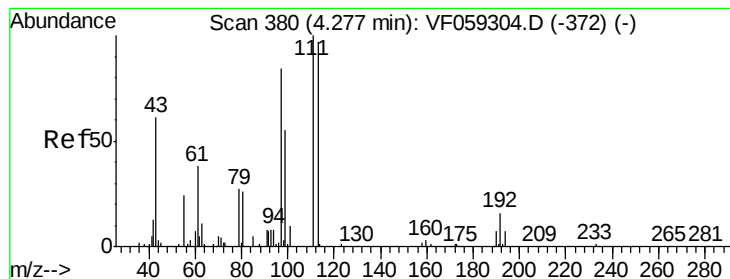
Tot Ion: 65 Resp: 175886
 Ion Ratio Lower Upper
 65 100
 67 45.1 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059310.D
 Acq: 26 Jun 2018 11:43

Tgt Ion: 114 Resp: 464369
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 45.8
 88 18.9 0.0 41.2





#35

Dibromofluoromethane

Concen: 44.505 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

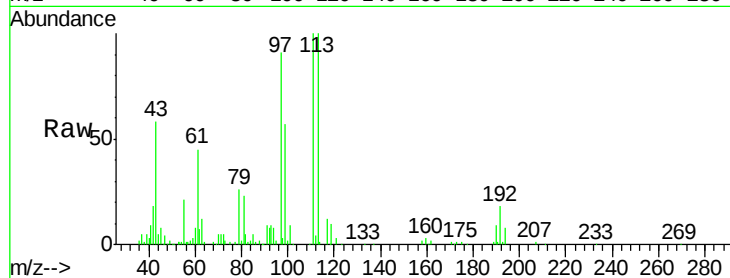
Tot Ion:113 Resp: 151005

Ion Ratio Lower Upper

113 100

111 100.0 82.1 123.1

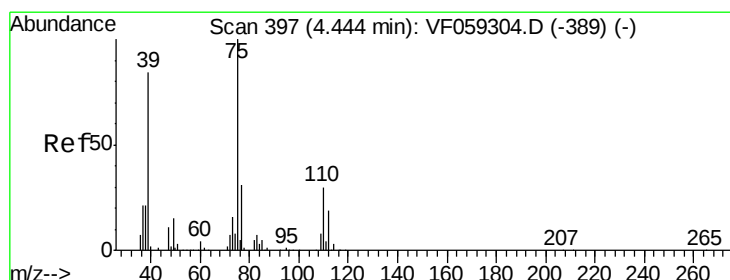
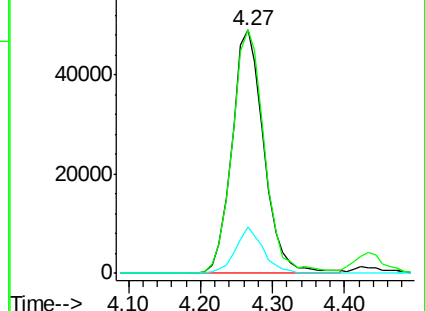
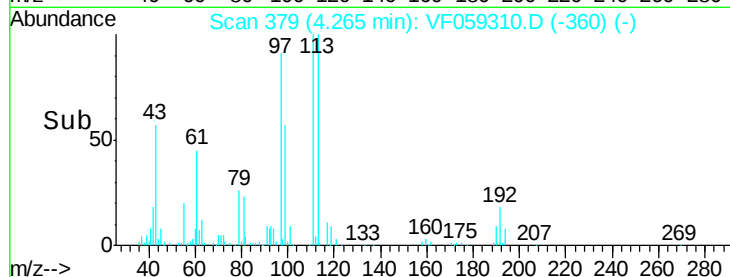
192 18.9 13.0 19.6



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: 46.918 ug/l

RT: 4.43 min Scan# 396

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

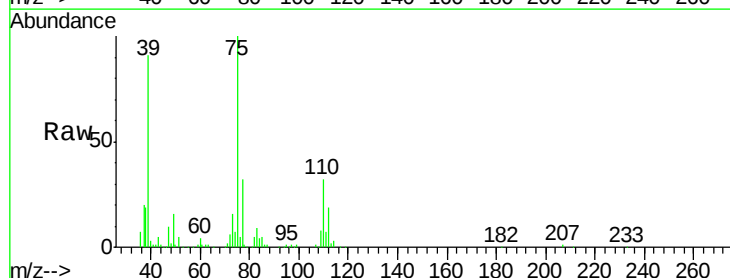
Tgt Ion: 75 Resp: 190328

Ion Ratio Lower Upper

75 100

110 31.7 14.8 44.4

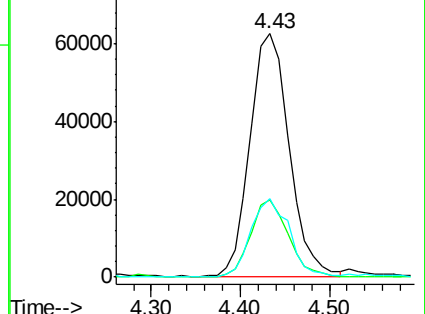
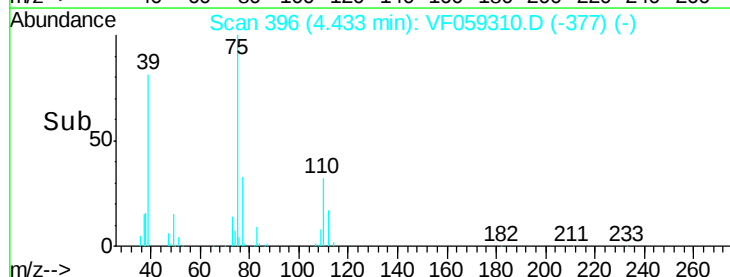
77 32.3 25.2 37.8

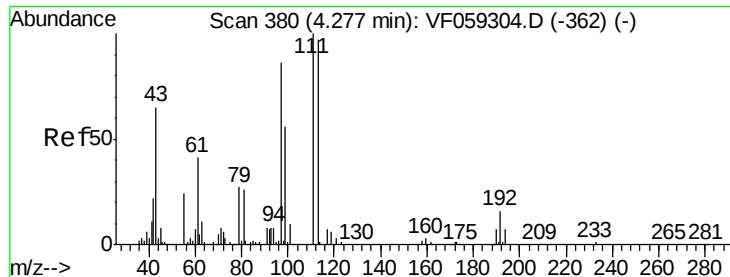


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

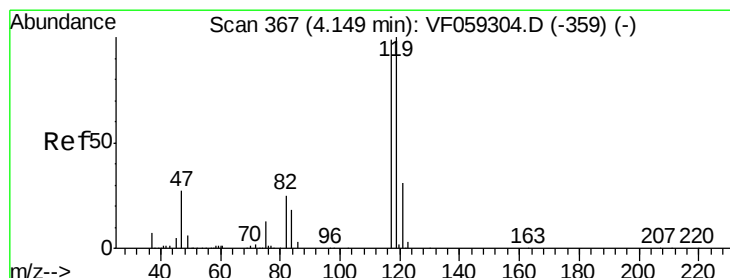
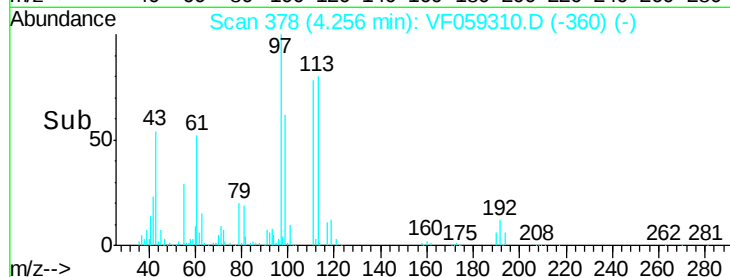
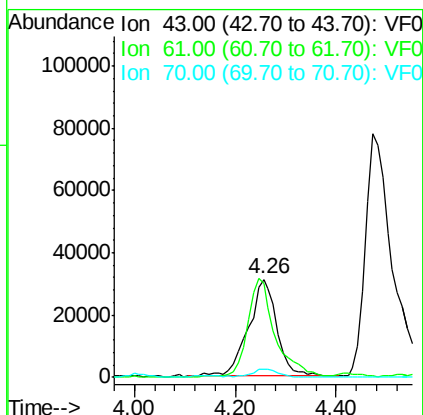
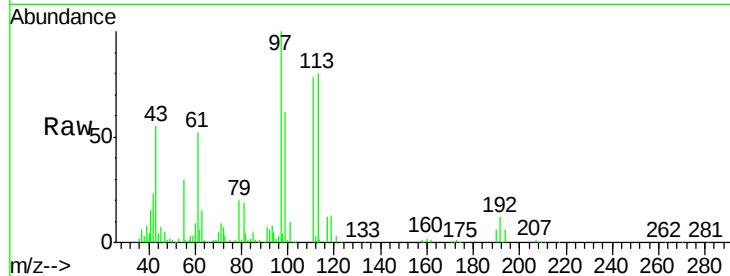




#37
Ethyl Acetate
Concen: 46.597 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

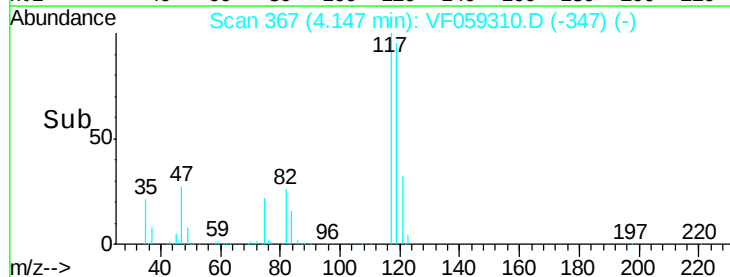
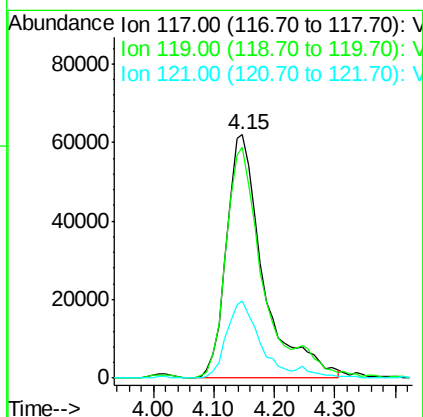
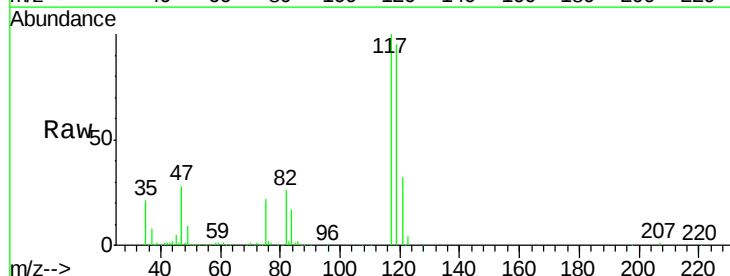
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

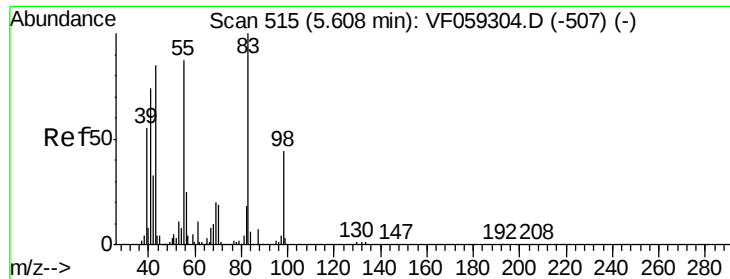
Tot Ion: 43 Resp: 121182
Ion Ratio Lower Upper
43 100
61 95.3 50.1 75.1#
70 8.7 6.2 9.4



#38
Carbon Tetrachloride
Concen: 51.469 ug/l
RT: 4.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion: 117 Resp: 263494
Ion Ratio Lower Upper
117 100
119 94.7 81.0 121.4
121 31.8 24.7 37.1

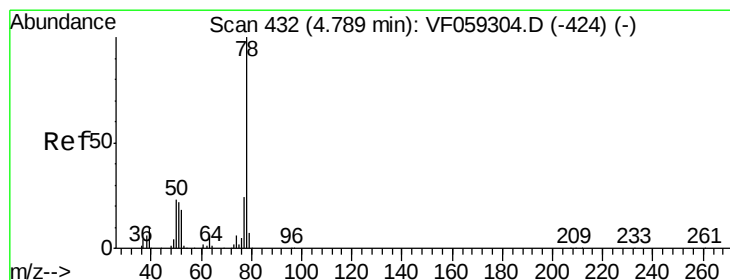
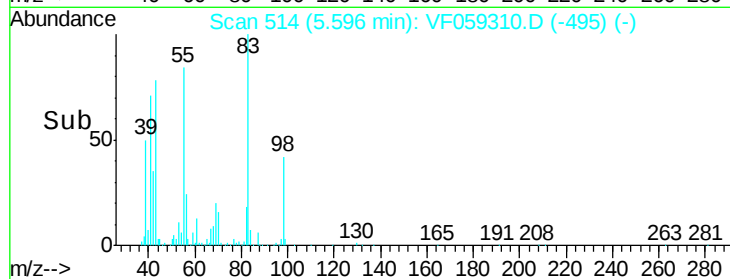
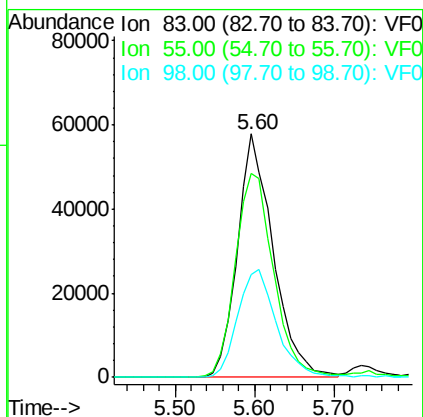
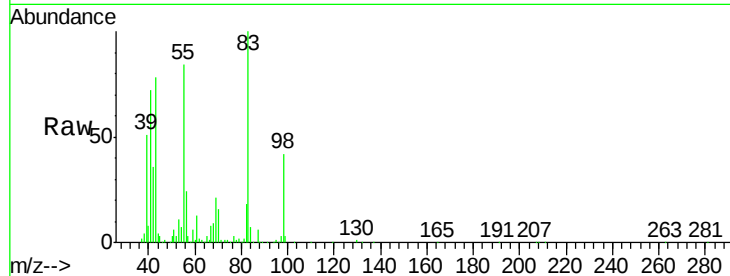




#39
Methvlcvclohexane
Concen: 50.059 ug/l
RT: 5.60 min Scan# 514
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

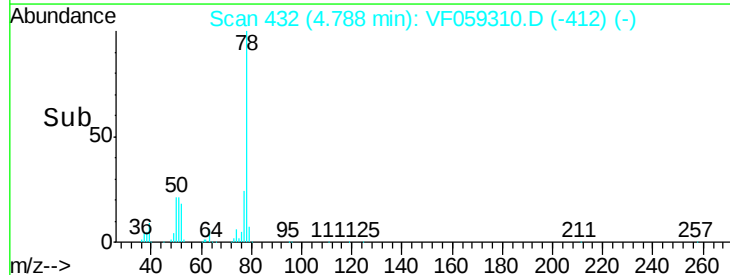
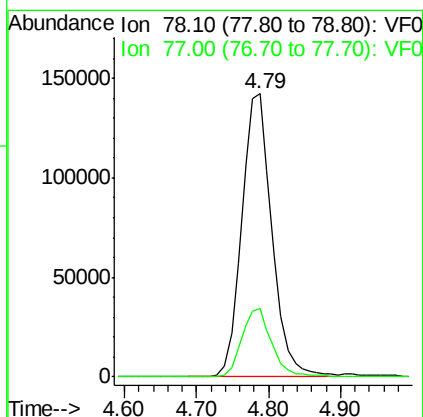
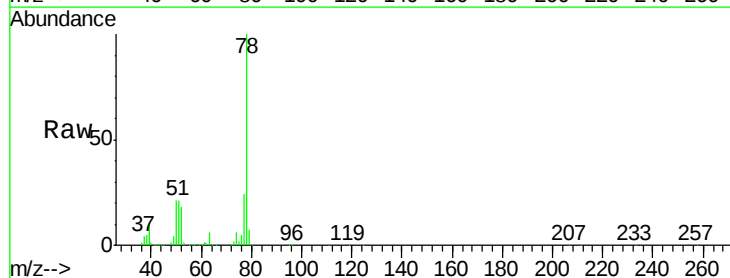
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

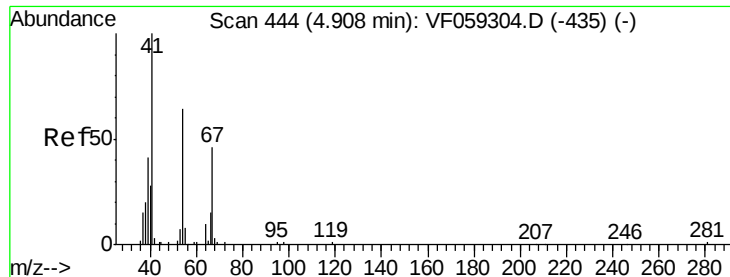
Tot Ion	83	Resp	179953
Ion	Ratio	Lower	Upper
83	100		
55	83.5	69.2	103.8
98	42.4	35.0	52.6



#40
Benzene
Concen: 46.224 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion	78	Resp	415755
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.6	29.4





#41

Methacrylonitrile

Concen: 44.608 ug/l

RT: 4.90 min Scan# 443

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 61727

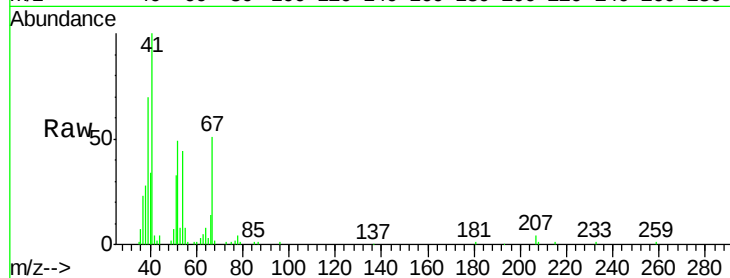
Ion Ratio Lower Upper

41 100

39 70.3 50.0 75.0

67 50.6 37.0 55.6

52 49.1 37.1 55.7

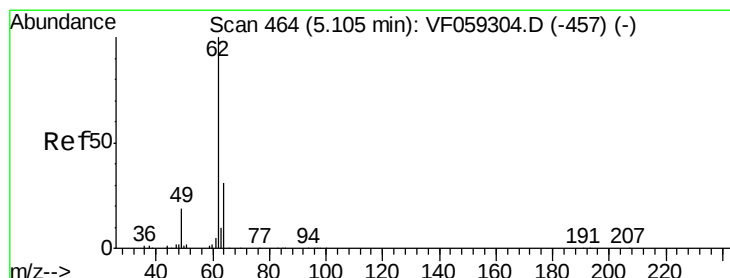
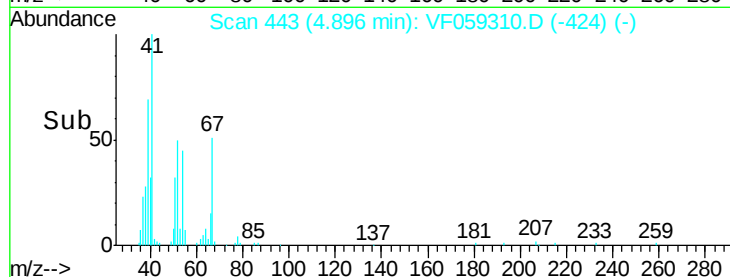
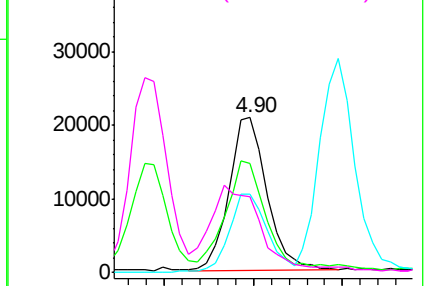


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 43.580 ug/l

RT: 5.09 min Scan# 463

Delta R.T. -0.01 min

Lab File: VF059310.D

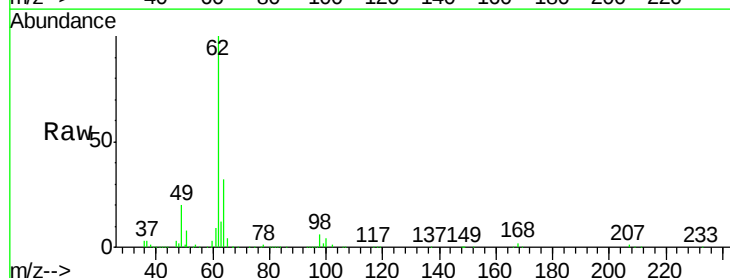
Acq: 26 Jun 2018 11:43

Tgt Ion: 62 Resp: 229048

Ion Ratio Lower Upper

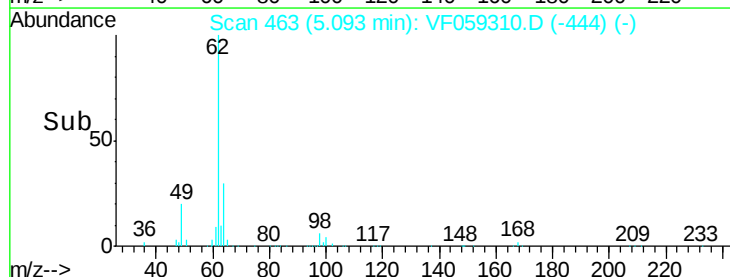
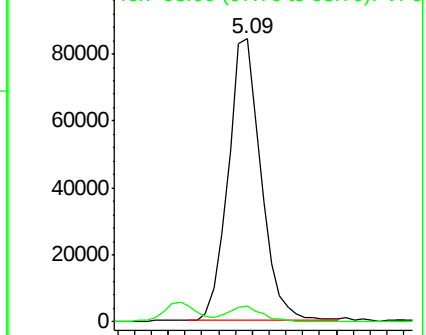
62 100

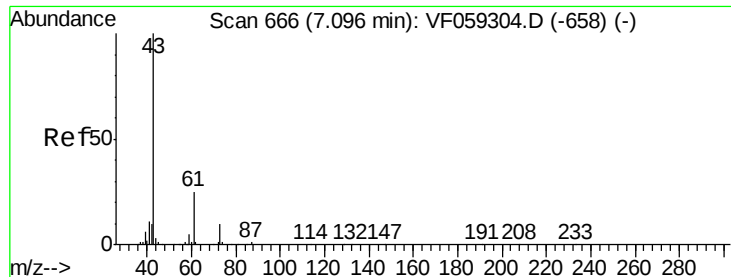
98 5.7 0.0 11.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 45.432 ug/l

RT: 7.08 min Scan# 665

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

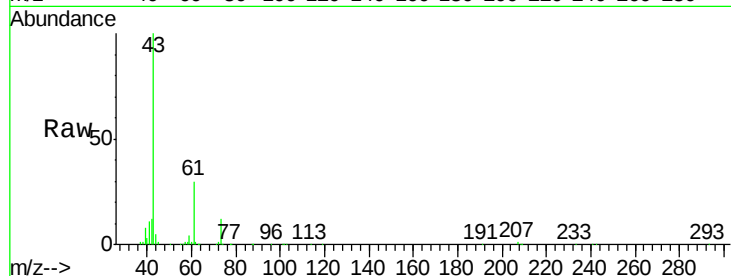
Tot Ion: 43 Resp: 153513

Ion Ratio Lower Upper

43 100

61 29.8 19.7 29.5#

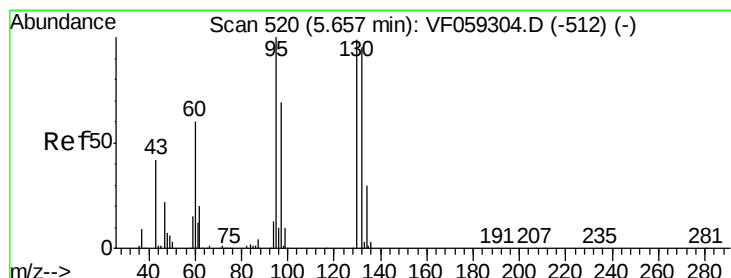
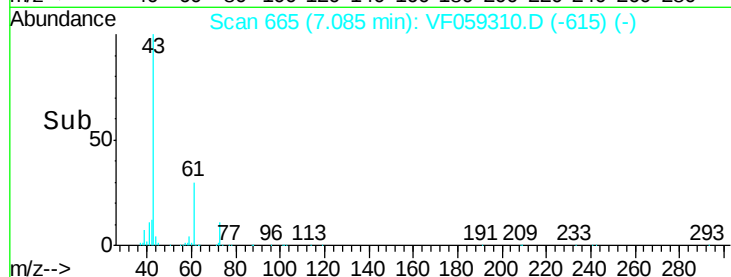
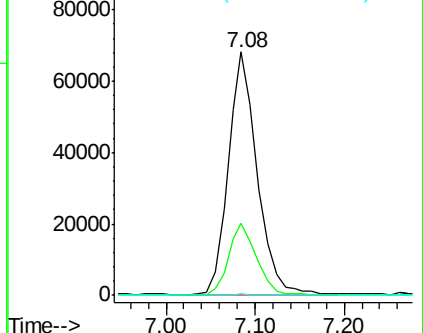
87 0.4 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 46.392 ug/l

RT: 5.65 min Scan# 519

Delta R.T. -0.01 min

Lab File: VF059310.D

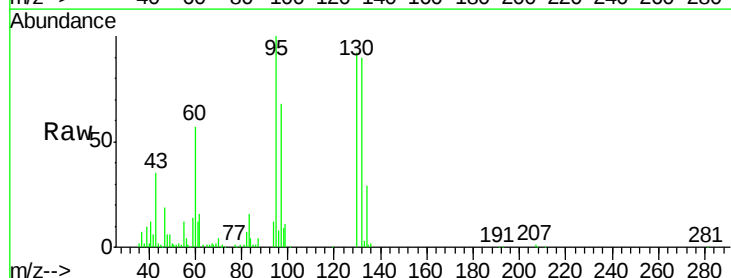
Acq: 26 Jun 2018 11:43

Tgt Ion:130 Resp: 143141

Ion Ratio Lower Upper

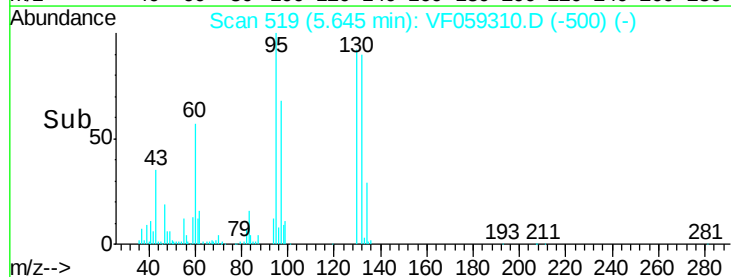
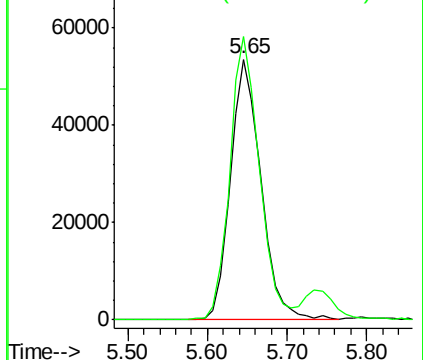
130 100

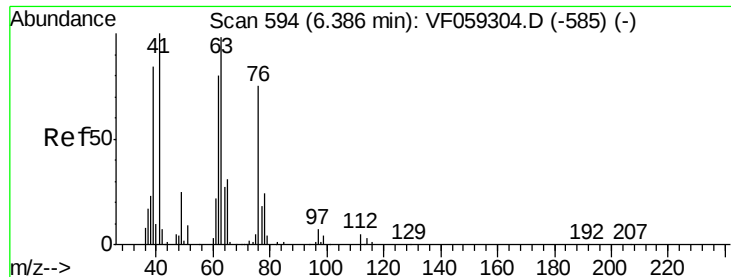
95 108.7 0.0 202.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 48.291 ug/l

RT: 6.37 min Scan# 593

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

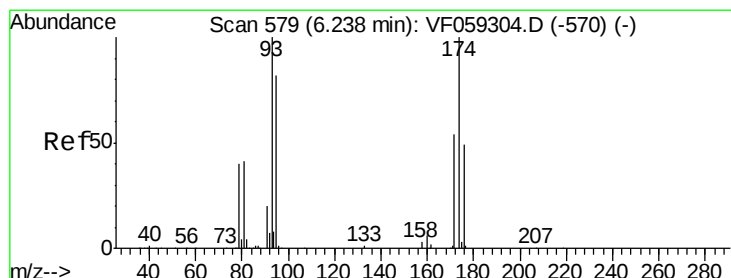
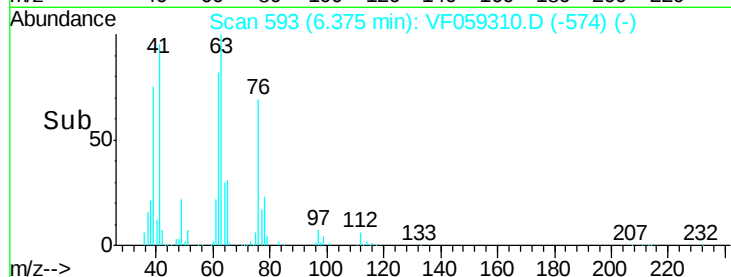
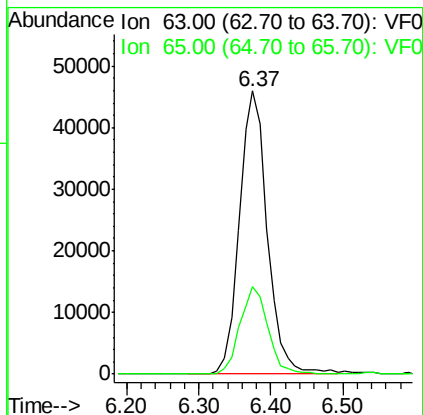
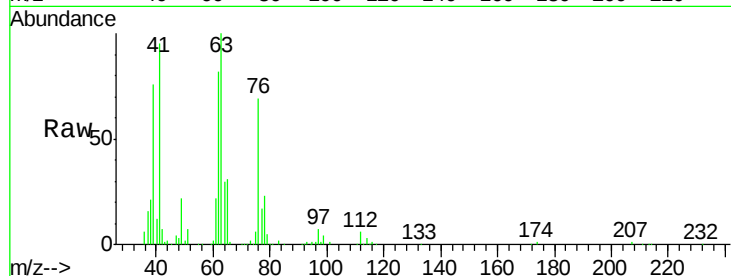
VSTDCCC050

Tot Ion: 63 Resp: 124097

Ion Ratio Lower Upper

63 100

65 31.1 25.3 37.9



#46

Dibromomethane

Concen: 45.993 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

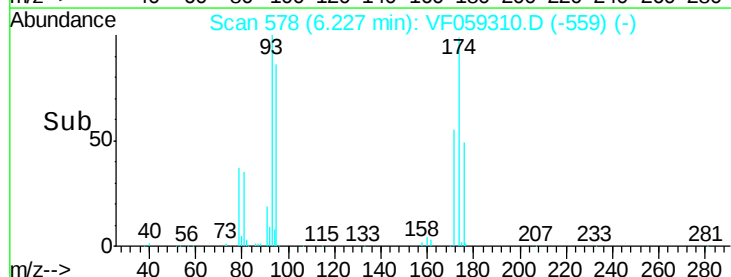
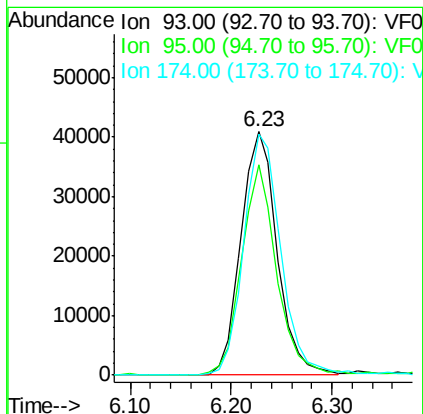
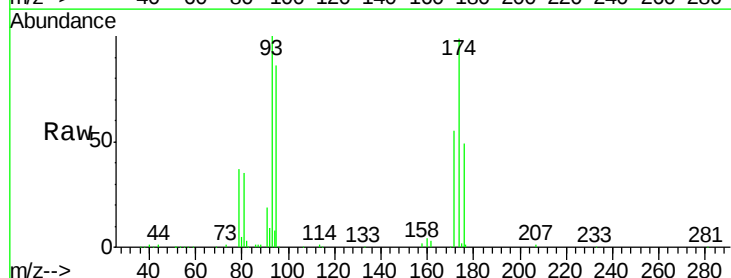
Tgt Ion: 93 Resp: 102585

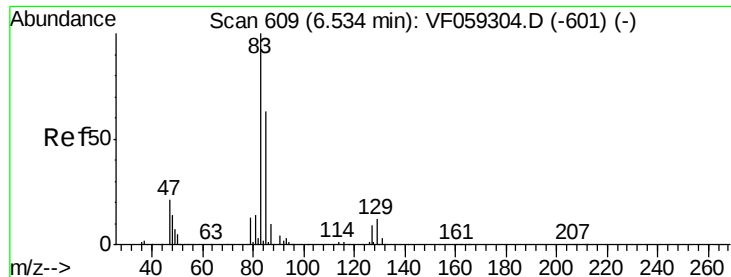
Ion Ratio Lower Upper

93 100

95 86.3 65.6 98.4

174 99.3 80.0 120.0





#47

Bromodichloromethane

Concen: 46.969 ug/l

RT: 6.52 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

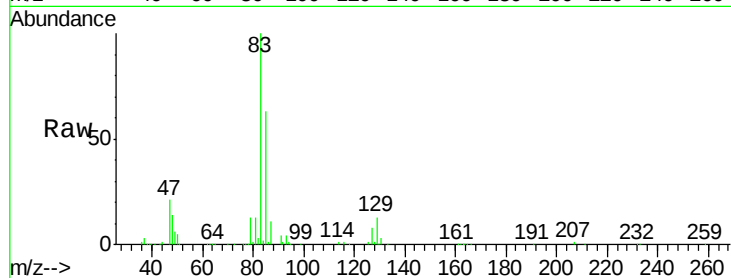
Tot Ion: 83 Resp: 253595

Ion Ratio Lower Upper

83 100

85 62.9 50.2 75.2

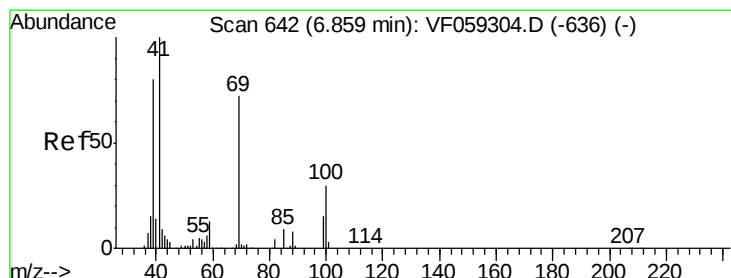
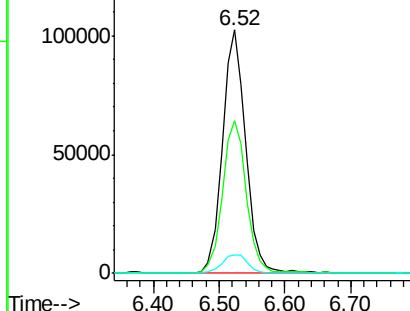
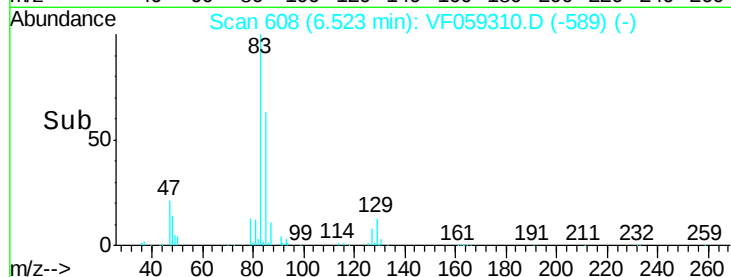
127 7.7 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 46.901 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

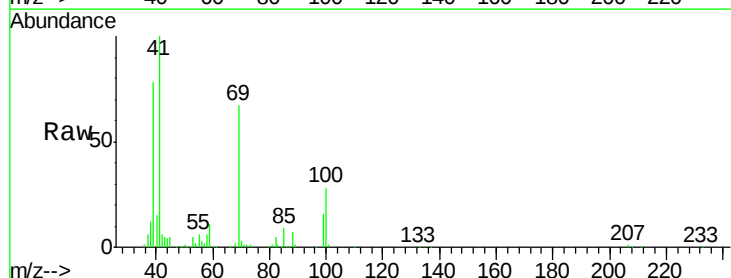
Tgt Ion: 41 Resp: 106214

Ion Ratio Lower Upper

41 100

69 67.0 57.3 85.9

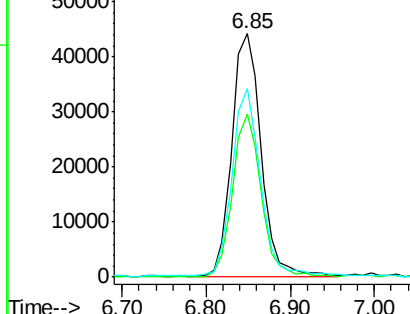
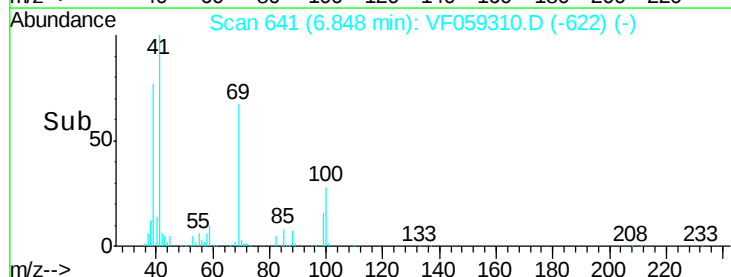
39 77.5 64.4 96.6

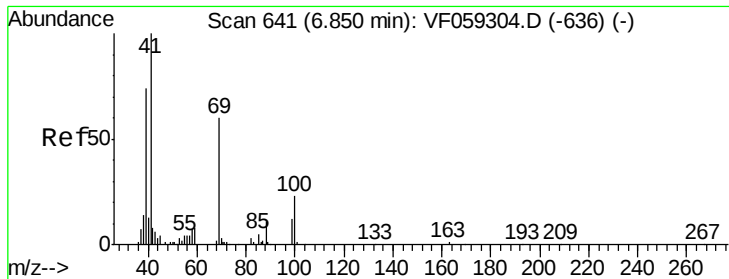


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 868.331 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

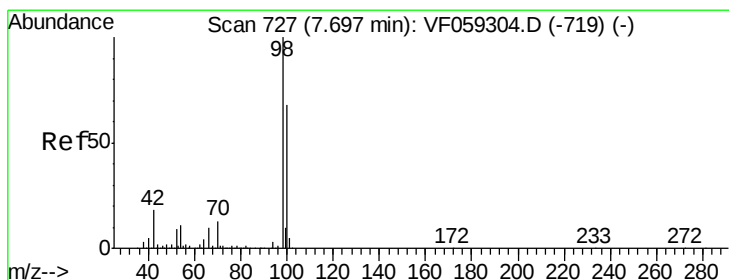
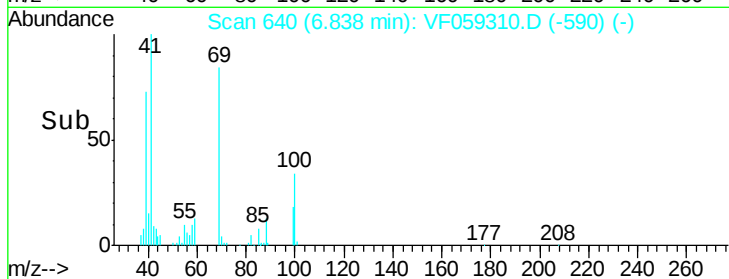
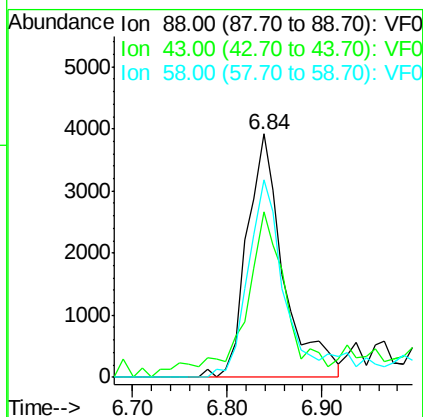
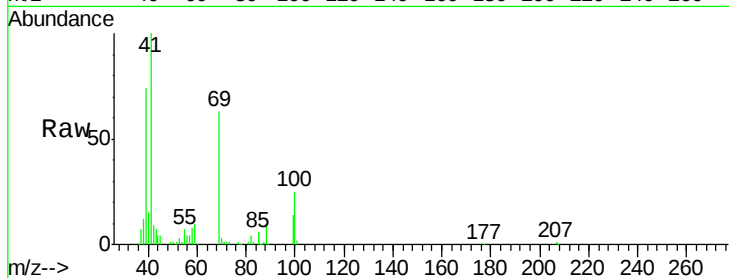
Tot Ion: 88 Resp: 10560

Ion Ratio Lower Upper

88 100

43 68.0 50.6 75.8

58 81.2 46.6 69.8#



#50

Toluene-d8

Concen: 46.716 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF059310.D

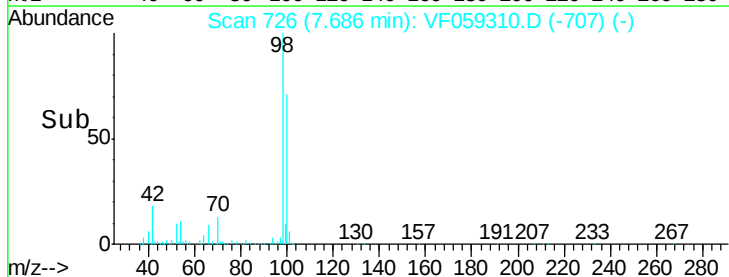
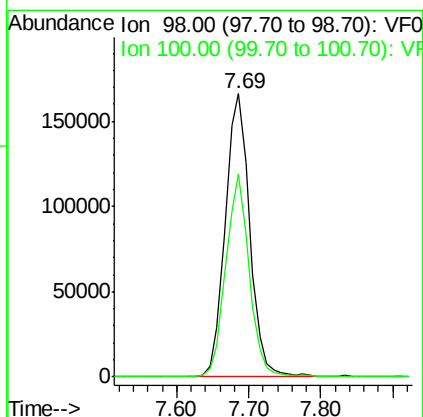
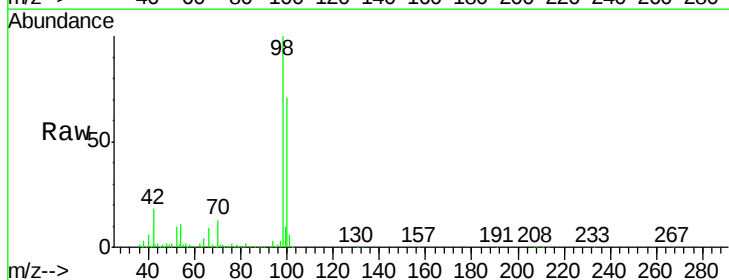
Acq: 26 Jun 2018 11:43

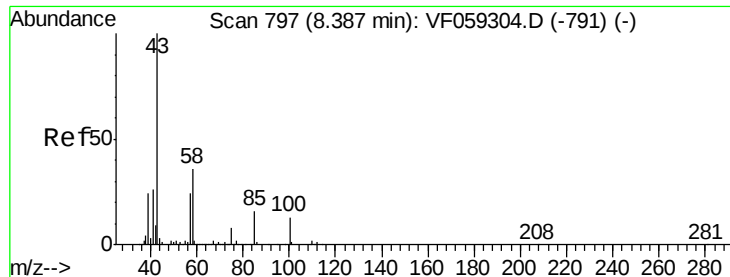
Tgt Ion: 98 Resp: 392450

Ion Ratio Lower Upper

98 100

100 71.4 54.6 82.0





#51

4-Methyl-2-Pentanone

Concen: 227.143 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

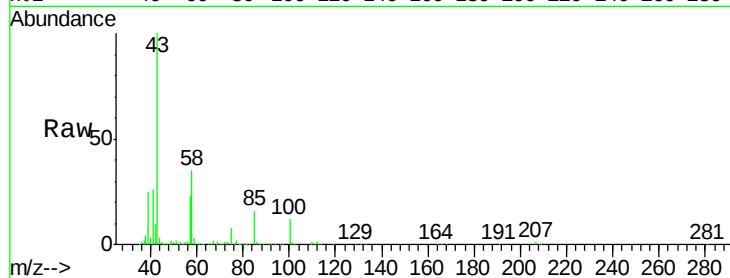
VSTDCCC050

Tot Ion: 43 Resp: 568612

Ion Ratio Lower Upper

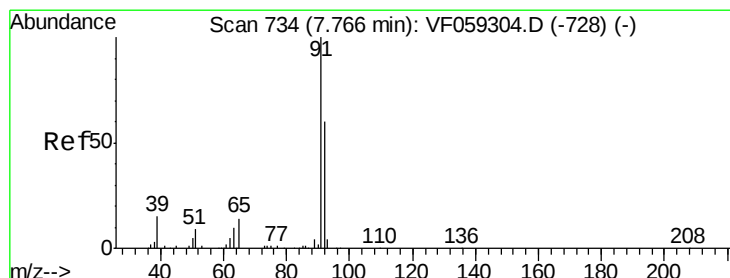
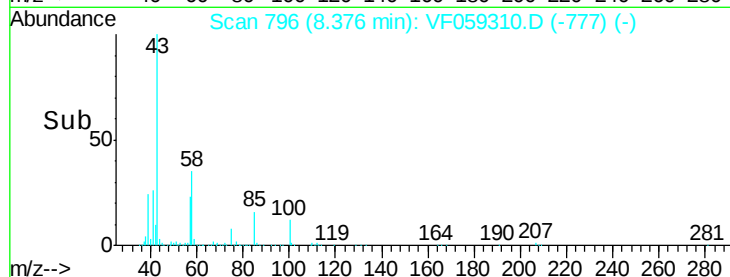
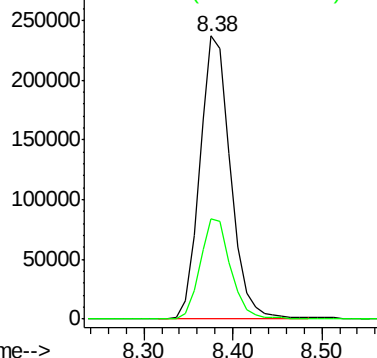
43 100

58 35.4 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 44.695 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059310.D

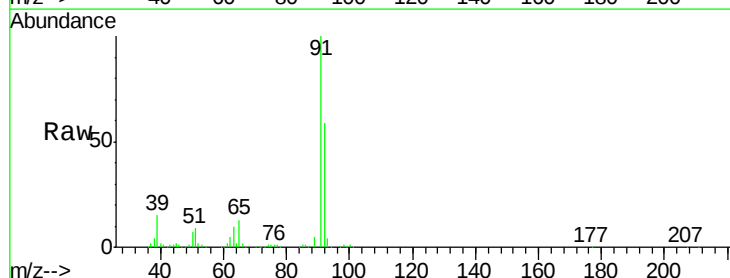
Acq: 26 Jun 2018 11:43

Tgt Ion: 92 Resp: 300814

Ion Ratio Lower Upper

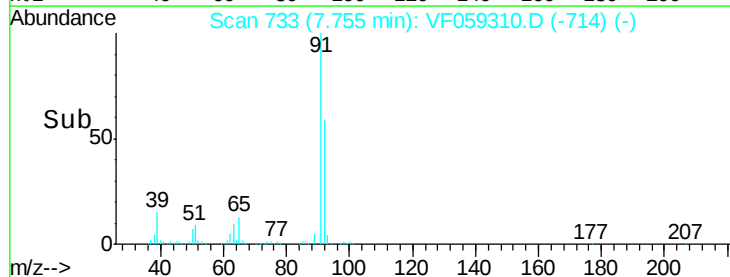
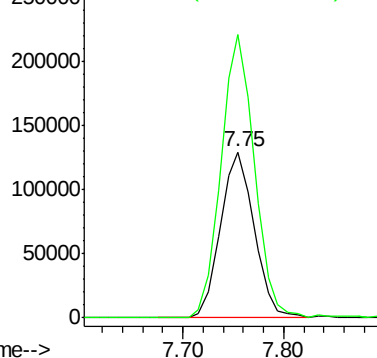
92 100

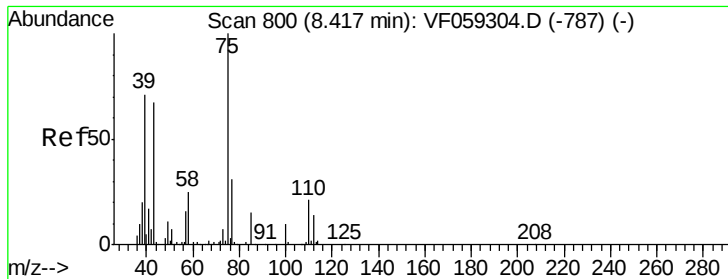
91 170.7 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 48.061 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

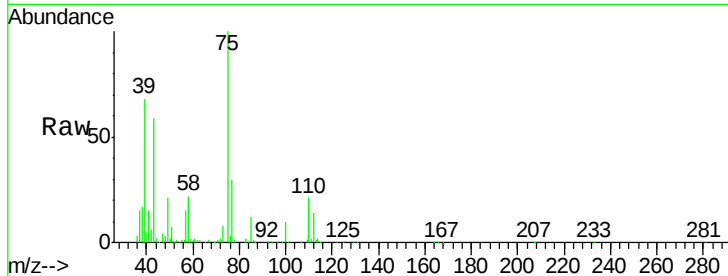
VSTDCCC050

Tot Ion: 75 Resp: 236530

Ion Ratio Lower Upper

75 100

77 30.1 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

120000

100000

80000

60000

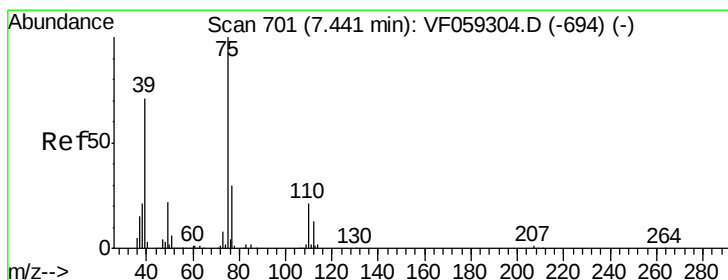
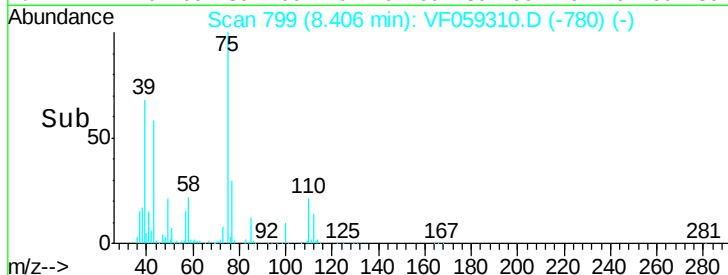
40000

20000

0

8.20 8.30 8.40 8.50 8.60

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.225 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

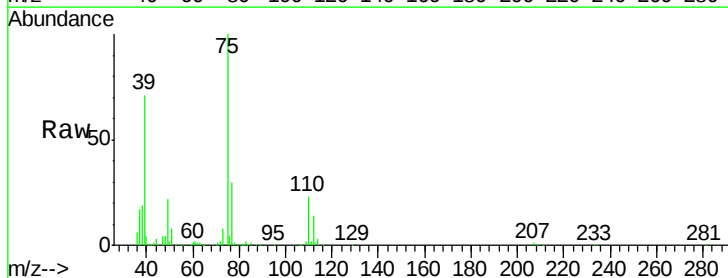
Tgt Ion: 75 Resp: 252453

Ion Ratio Lower Upper

75 100

77 30.1 24.3 36.5

39 70.6 57.2 85.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

150000

100000

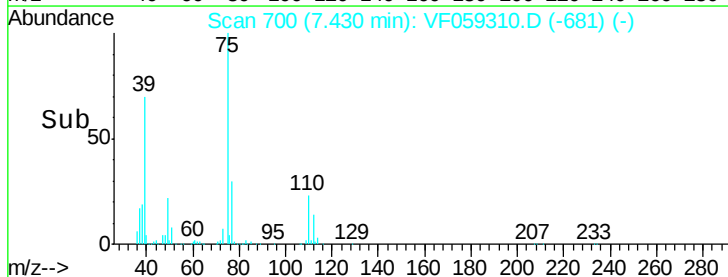
7.43

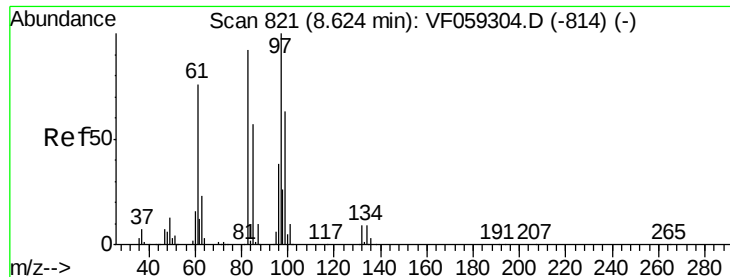
50000

0

7.30 7.40 7.50 7.60

Time-->





#55

1,1,2-Trichloroethane

Concen: 46.429 ug/l

RT: 8.61 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 121328

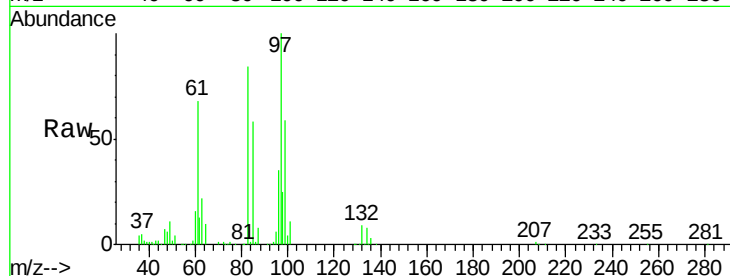
Ion Ratio Lower Upper

97 100

83 83.7 73.8 110.8

85 58.2 45.5 68.3

99 59.4 50.7 76.1

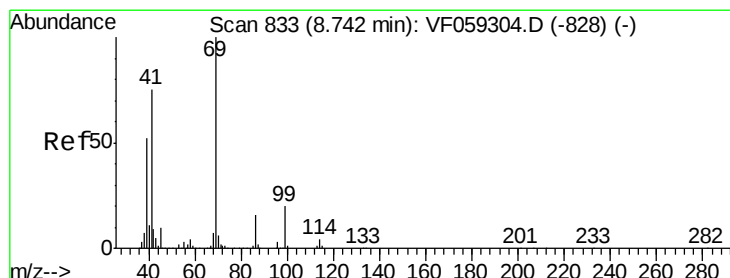
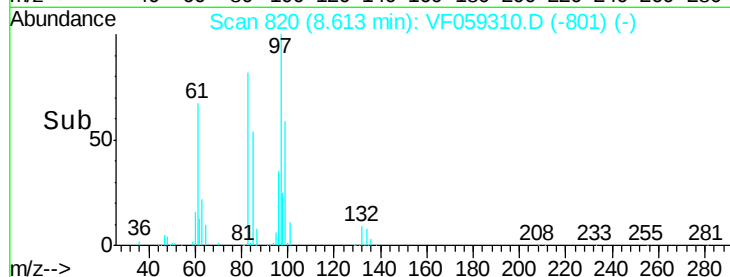
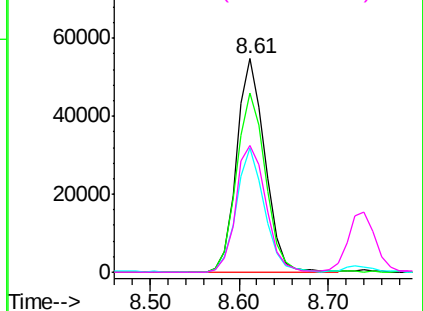


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 47.001 ug/l

RT: 8.73 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

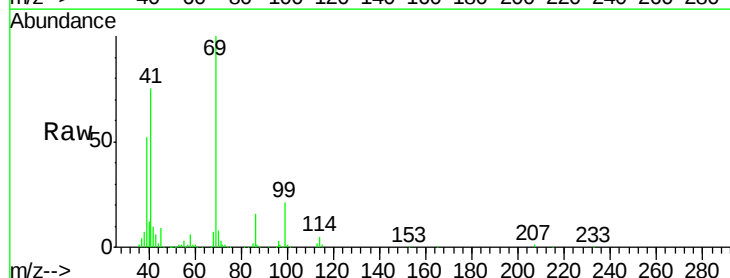
Tgt Ion: 69 Resp: 152149

Ion Ratio Lower Upper

69 100

41 74.7 60.3 90.5

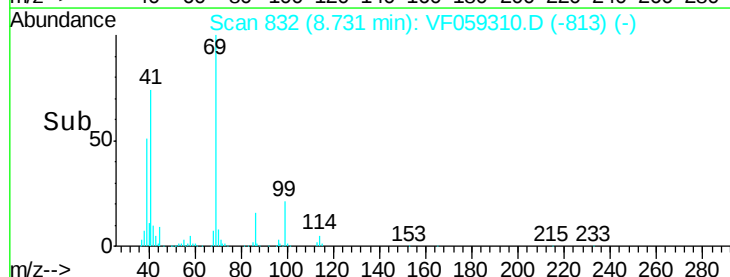
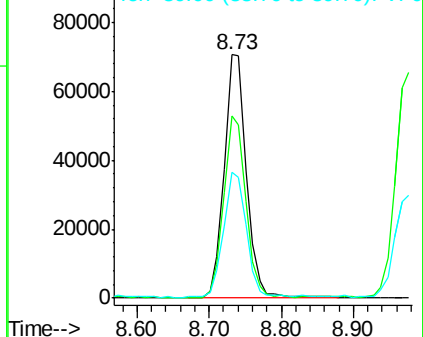
39 51.7 42.2 63.4

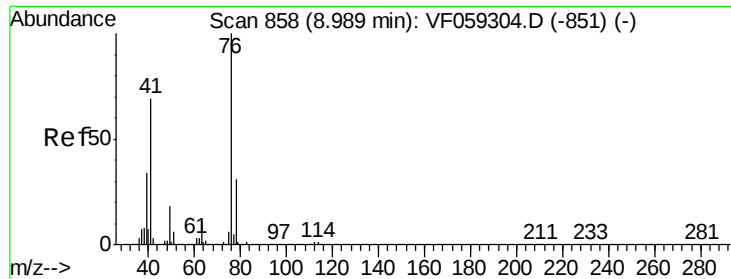


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 45.637 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

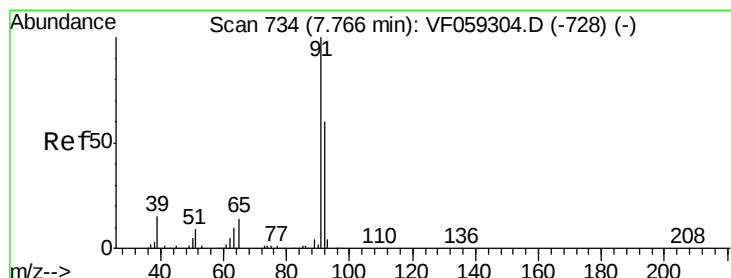
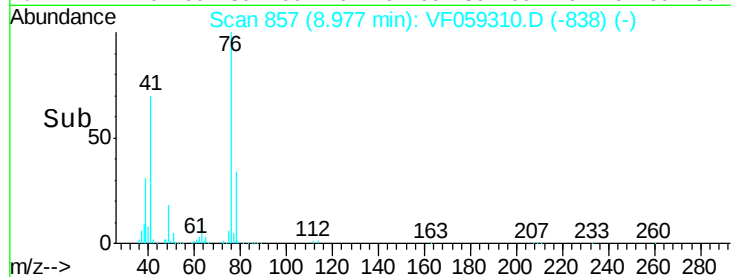
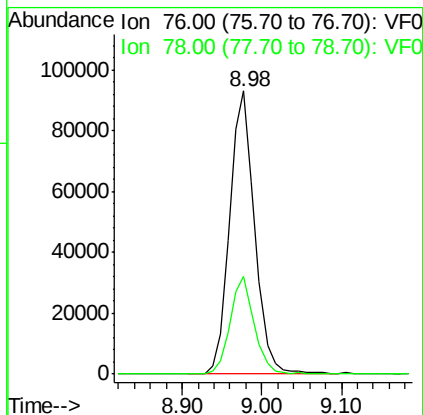
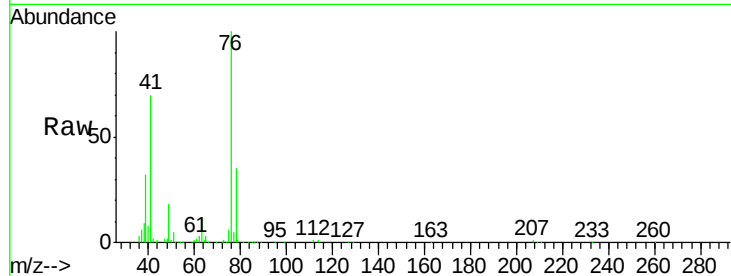
VSTDCCC050

Tot Ion: 76 Resp: 204528

Ion Ratio Lower Upper

76 100

78 34.6 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 223.416 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059310.D

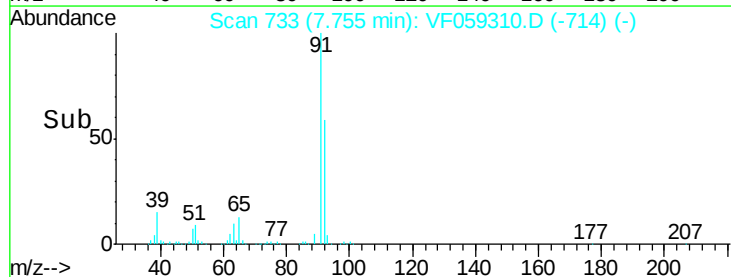
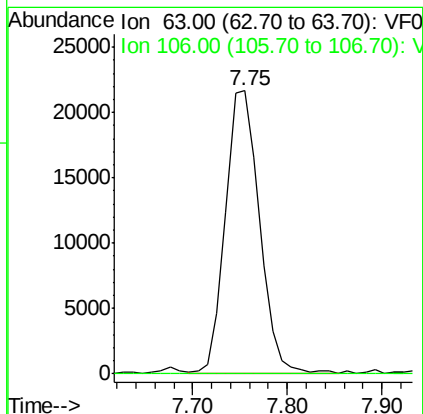
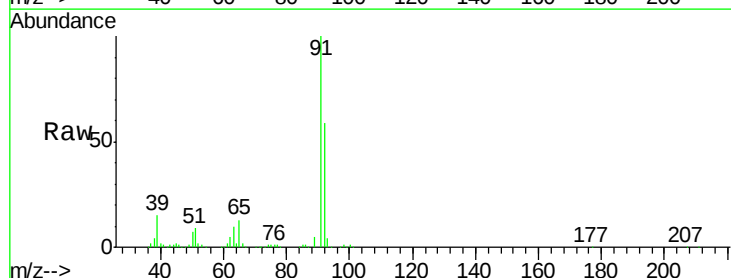
Acq: 26 Jun 2018 11:43

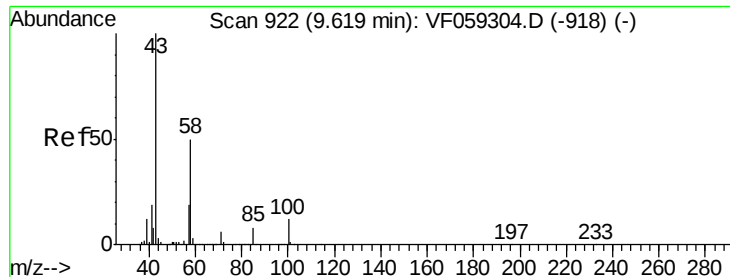
Tgt Ion: 63 Resp: 54241

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

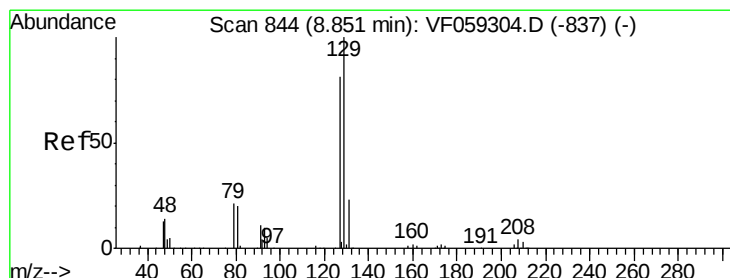
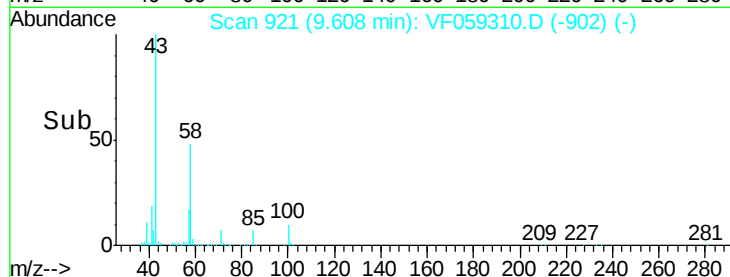
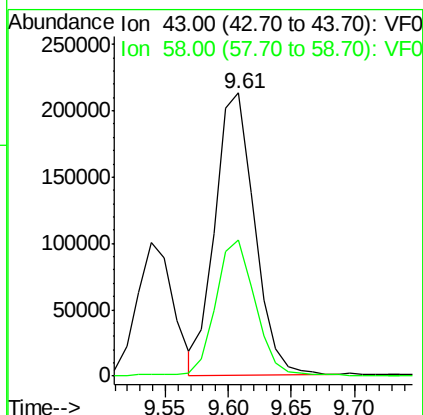
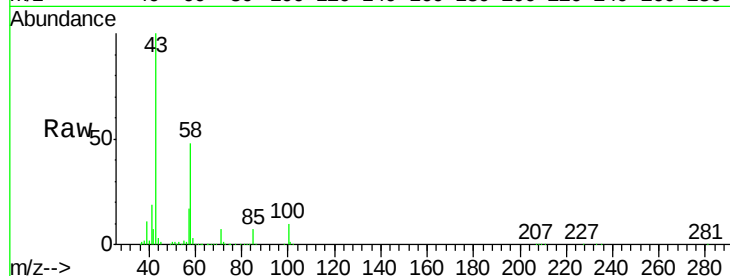




#59
2-Hexanone
Concen: 244.394 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

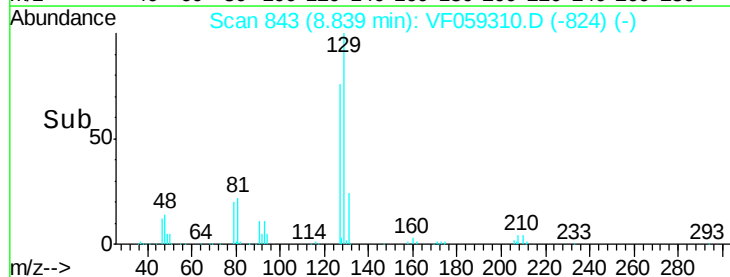
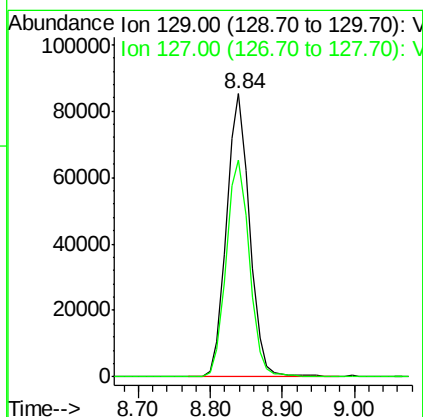
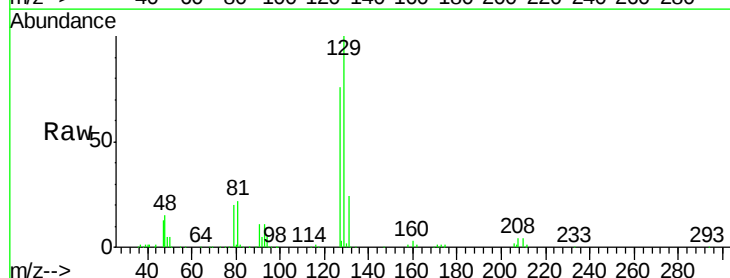
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

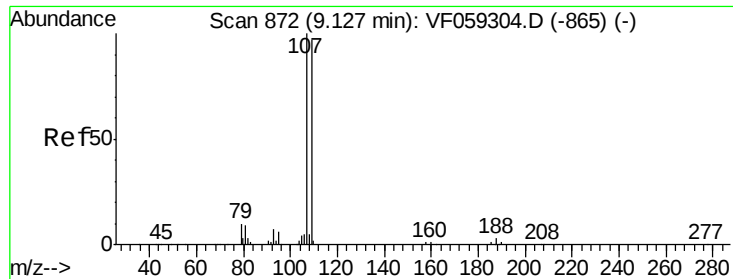
Tot Ion: 43 Resp: 460331
Ion Ratio Lower Upper
43 100
58 47.9 23.3 69.9



#60
Dibromochloromethane
Concen: 47.225 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion: 129 Resp: 190518
Ion Ratio Lower Upper
129 100
127 76.4 40.7 122.1





#61

1,2-Dibromoethane

Concen: 45.930 ug/l

RT: 9.11 min Scan# 870

Delta R.T. -0.02 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

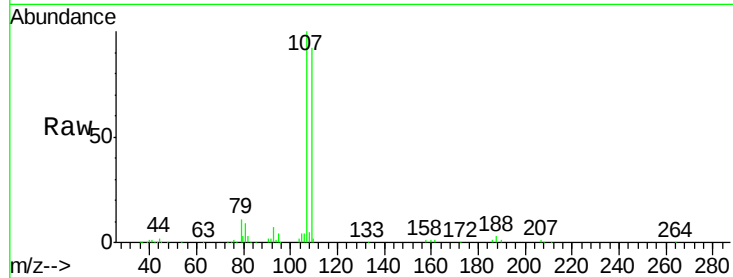
VSTDCCC050

Tot Ion:107 Resp: 145561

Ion Ratio Lower Upper

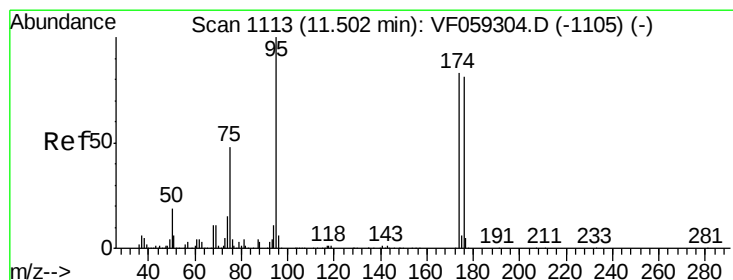
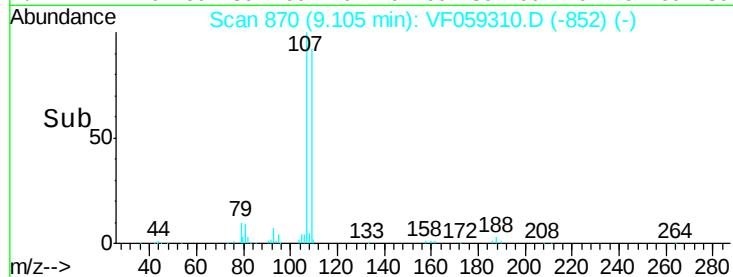
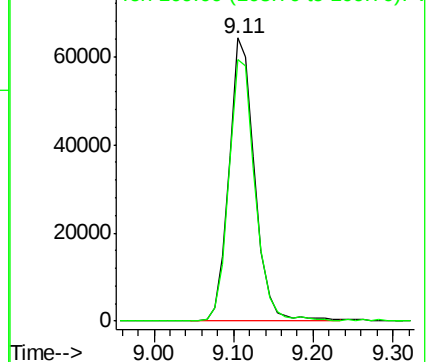
107 100

109 92.4 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.149 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

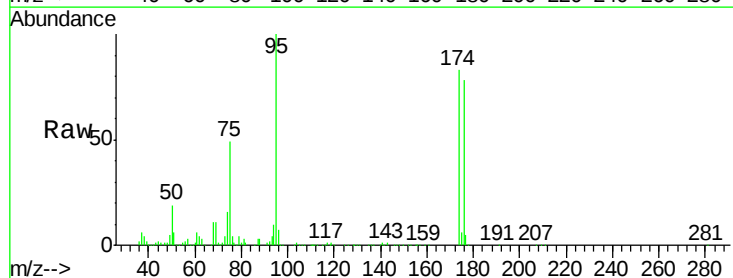
Tgt Ion: 95 Resp: 218688

Ion Ratio Lower Upper

95 100

174 82.7 0.0 165.2

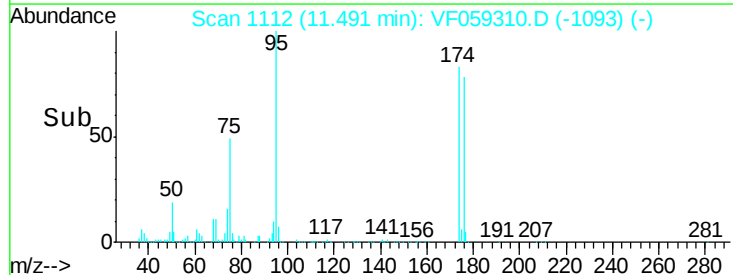
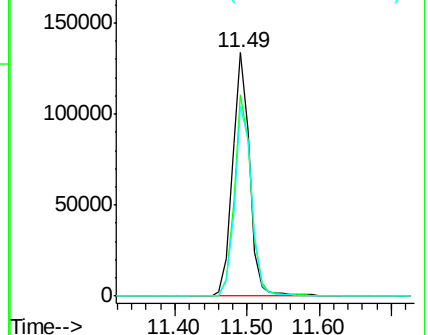
176 78.2 0.0 161.0

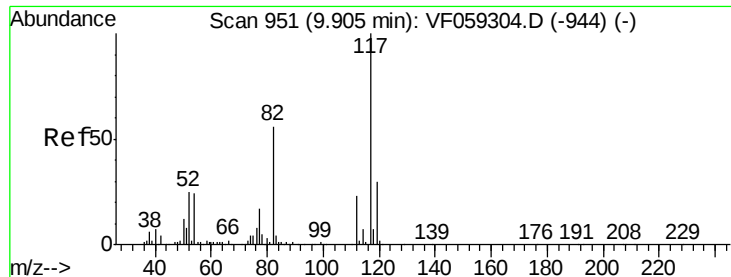


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

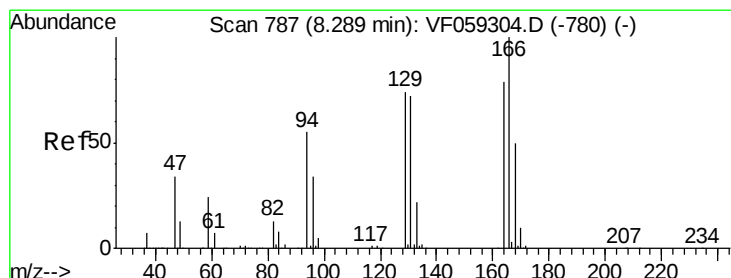
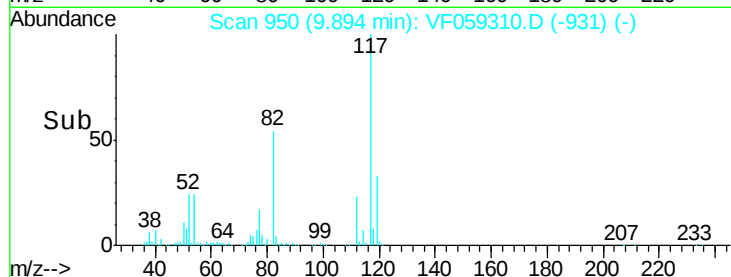
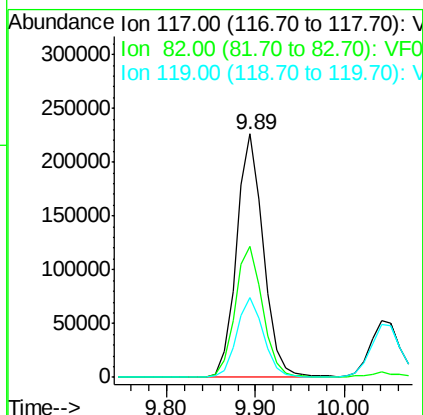
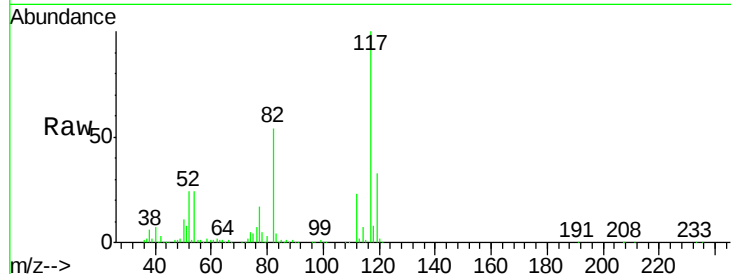




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

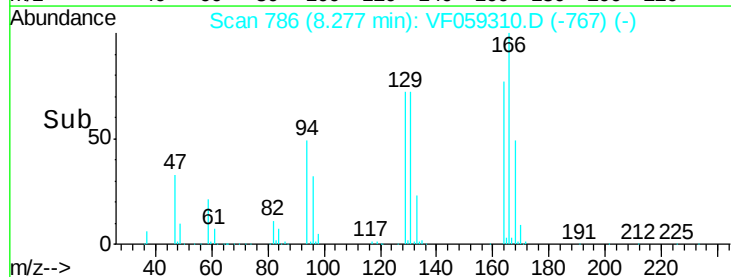
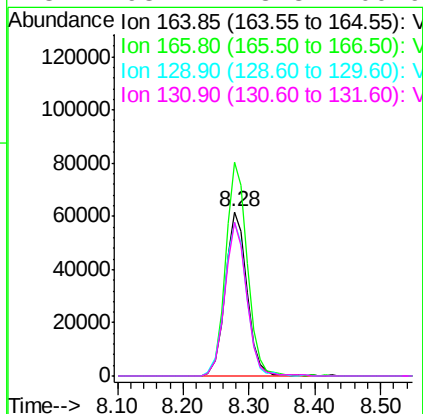
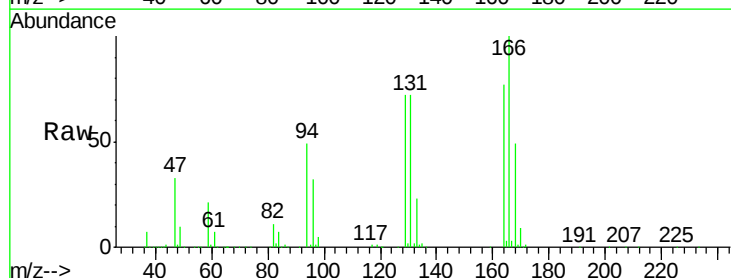
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

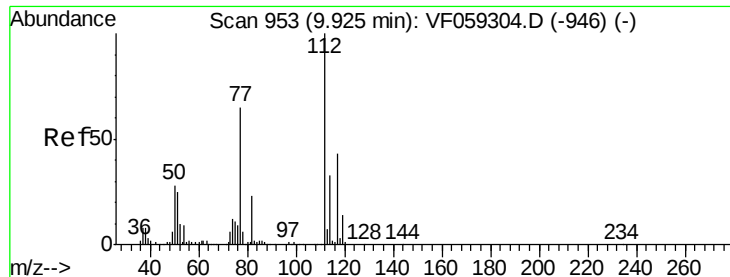
Tot Ion:117 Resp: 474601
Ion Ratio Lower Upper
117 100
82 53.9 44.6 66.8
119 32.9 24.1 36.1



#64
Tetrachloroethene
Concen: 46.366 ug/l
RT: 8.28 min Scan# 786
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion:164 Resp: 142723
Ion Ratio Lower Upper
164 100
166 129.9 101.1 151.7
129 93.4 75.0 112.4
131 93.2 73.3 109.9





#65

Chlorobenzene

Concen: 46.802 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

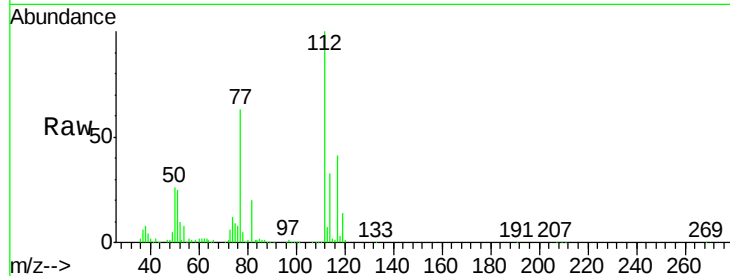
VSTDCCC050

Tot Ion:112 Resp: 411598

Ion Ratio Lower Upper

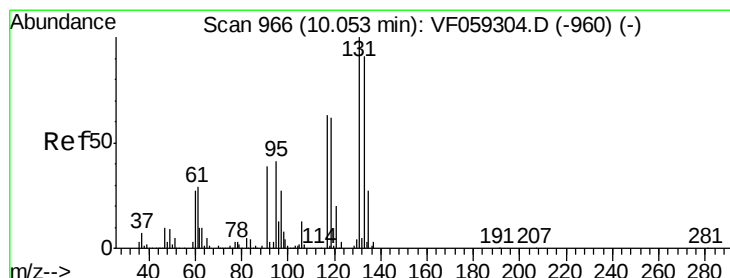
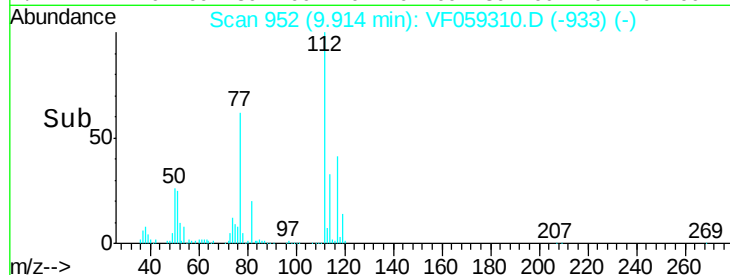
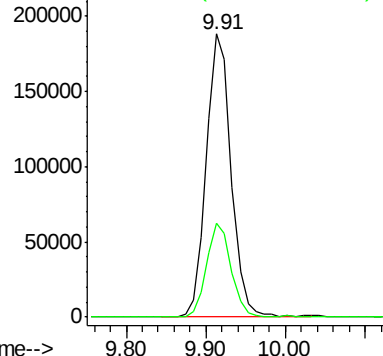
112 100

114 33.0 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 45.109 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

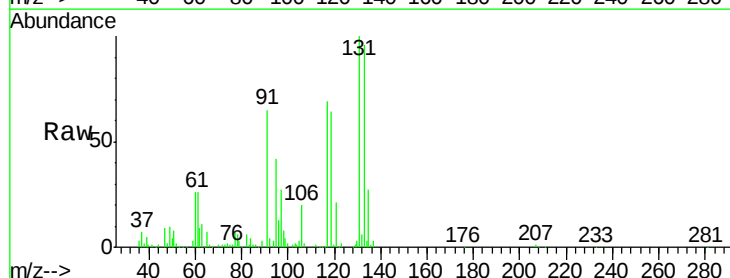
Tgt Ion:131 Resp: 171579

Ion Ratio Lower Upper

131 100

133 96.5 45.3 135.9

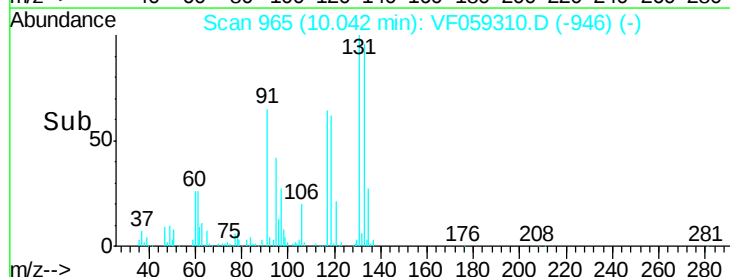
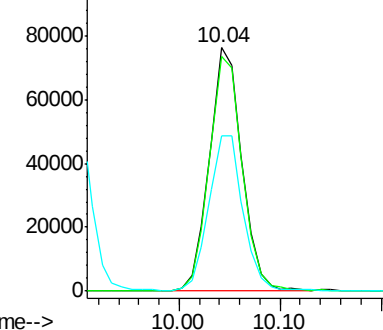
119 63.8 31.3 93.9

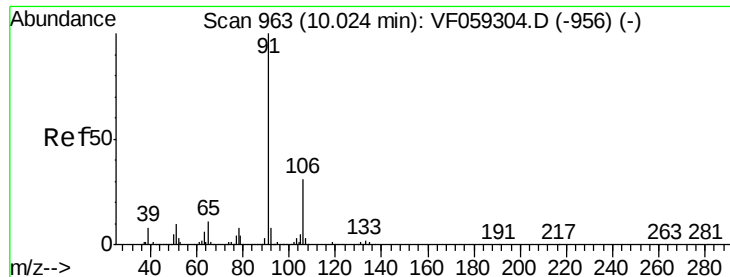


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 47.170 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

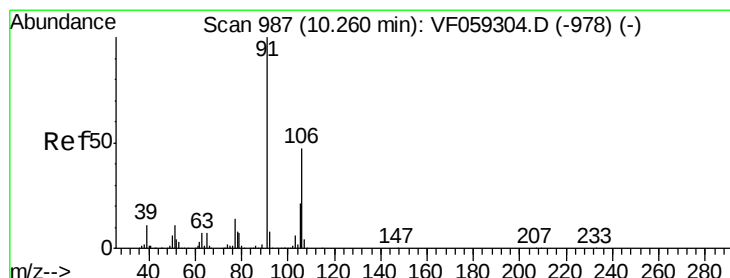
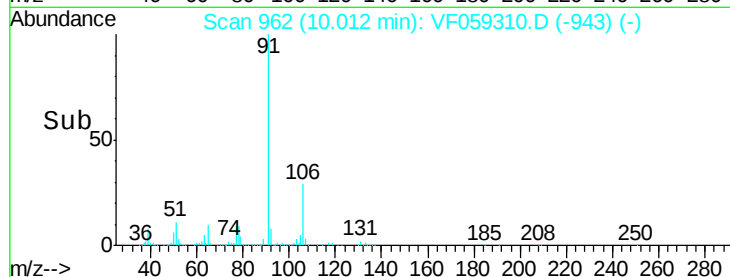
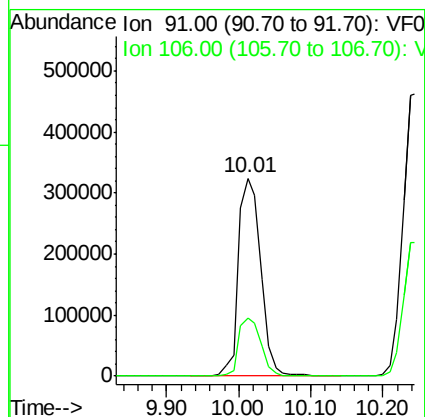
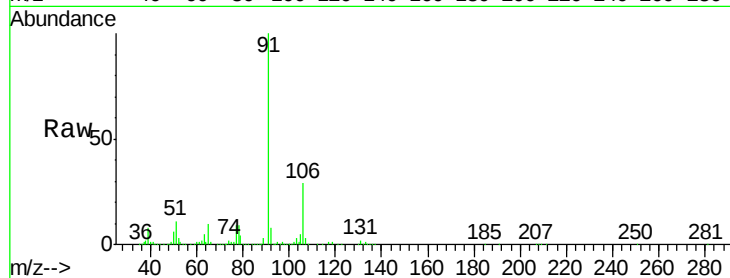
VSTDCCC050

Tot Ion: 91 Resp: 703741

Ion Ratio Lower Upper

91 100

106 29.3 24.8 37.2



#68

m/p-Xylenes

Concen: 92.248 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059310.D

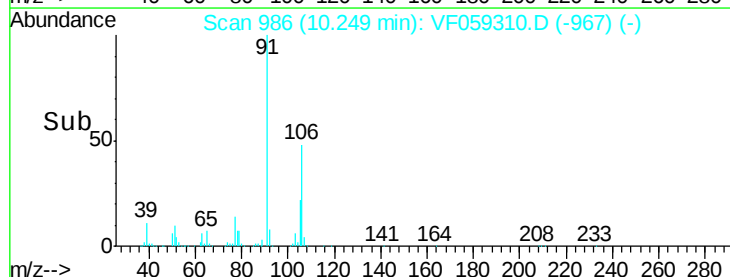
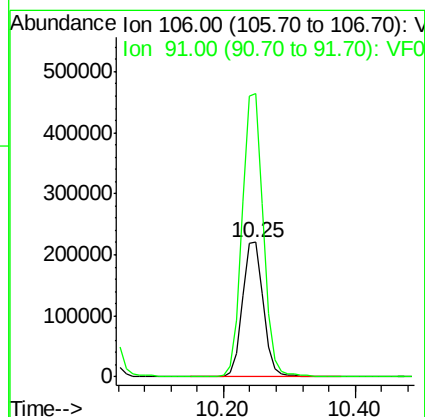
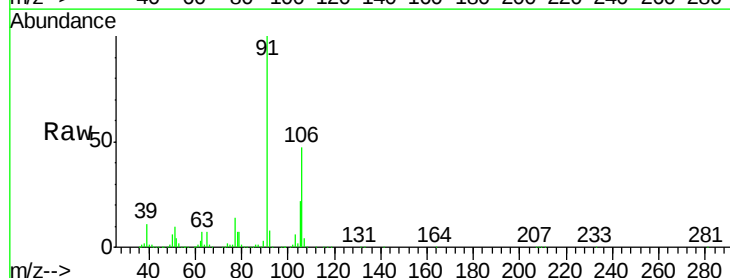
Acq: 26 Jun 2018 11:43

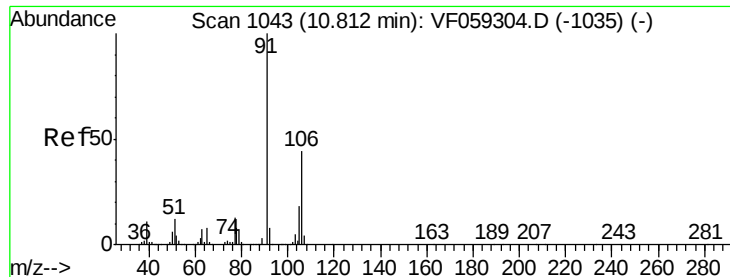
Tgt Ion: 106 Resp: 489848

Ion Ratio Lower Upper

106 100

91 210.7 170.8 256.2

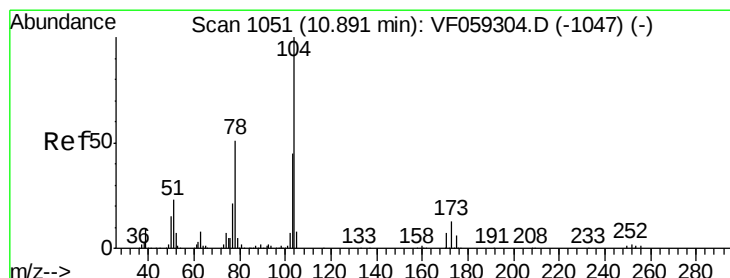
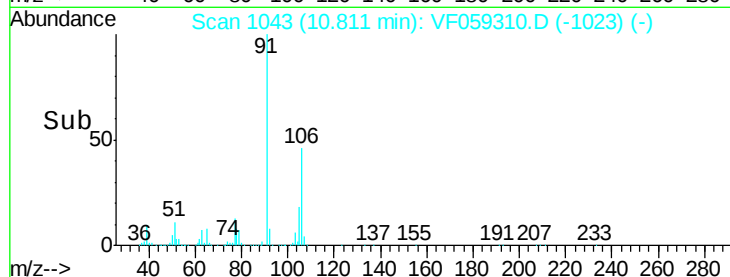
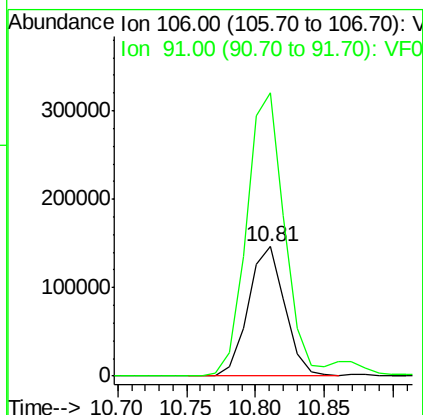
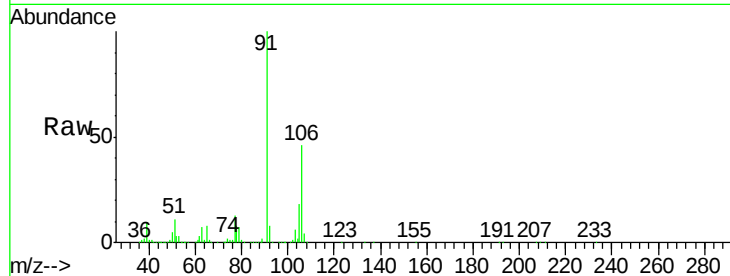




#69
o-Xylene
Concen: 45.593 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

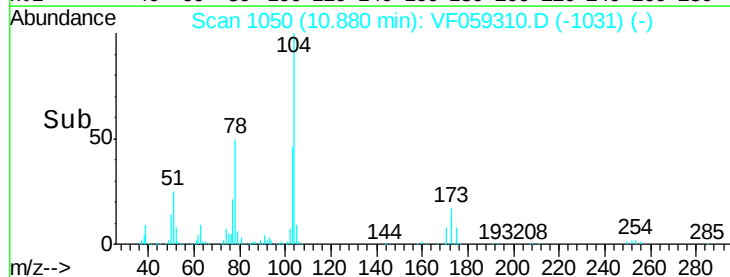
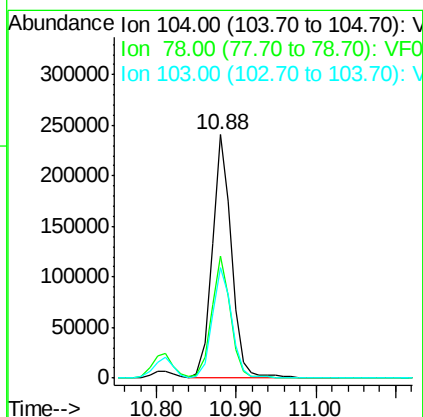
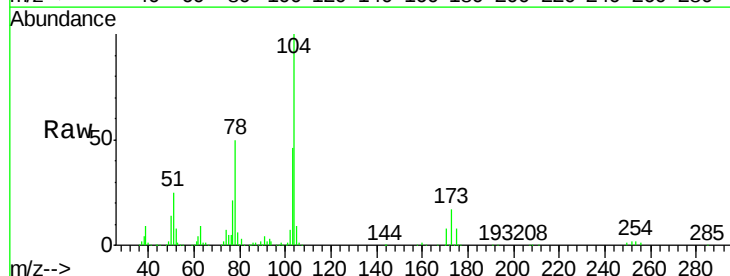
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

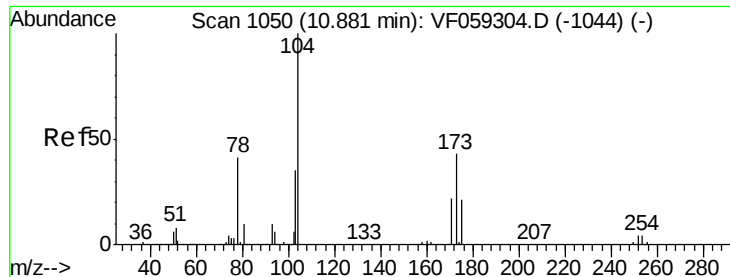
Tot Ion:106 Resp: 270800
Ion Ratio Lower Upper
106 100
91 218.4 114.6 343.6



#70
Styrene
Concen: 44.926 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion:104 Resp: 406477
Ion Ratio Lower Upper
104 100
78 50.2 40.9 61.3
103 45.6 36.5 54.7





#71

Bromoform

Concen: 44.224 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

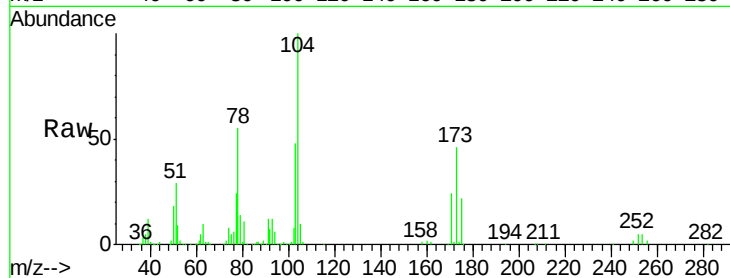
Tot Ion:173 Resp: 115294

Ion Ratio Lower Upper

173 100

175 49.0 24.8 74.3

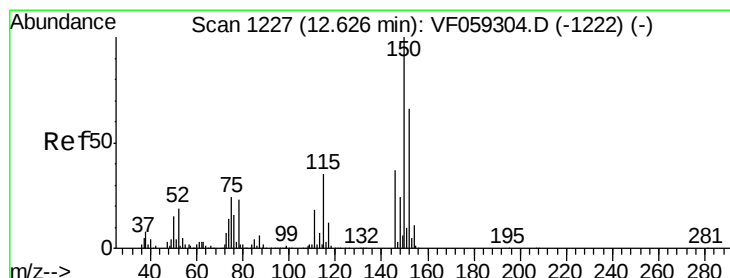
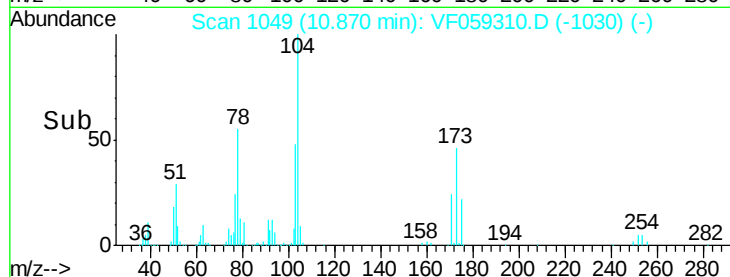
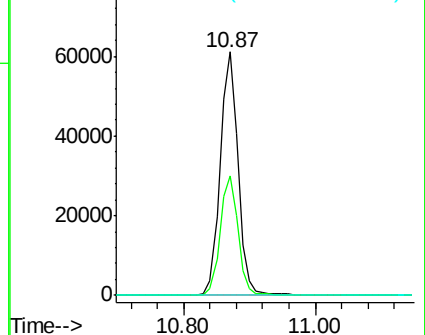
254 0.0 0.0 0.0



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: 12.61 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

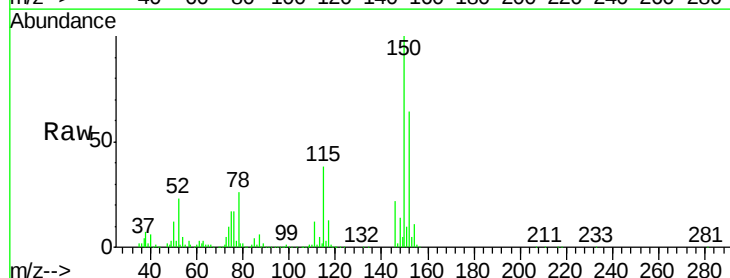
Tgt Ion:152 Resp: 271561

Ion Ratio Lower Upper

152 100

115 59.1 27.1 81.3

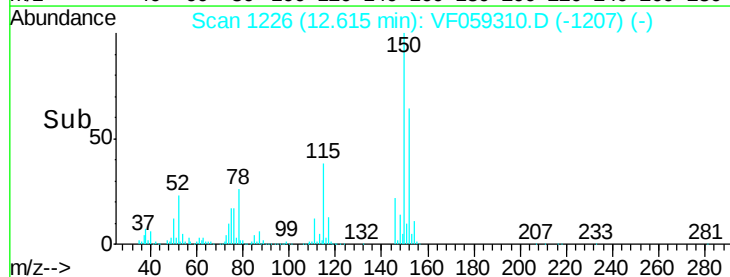
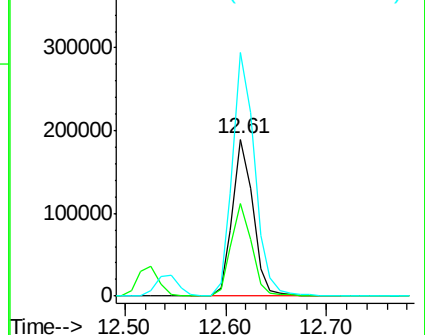
150 155.1 0.0 305.2

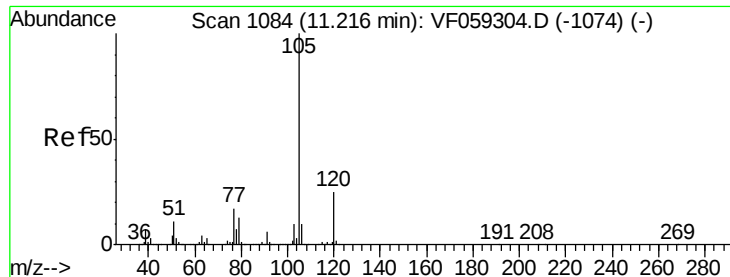


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 49.943 ug/l

RT: 11.20 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

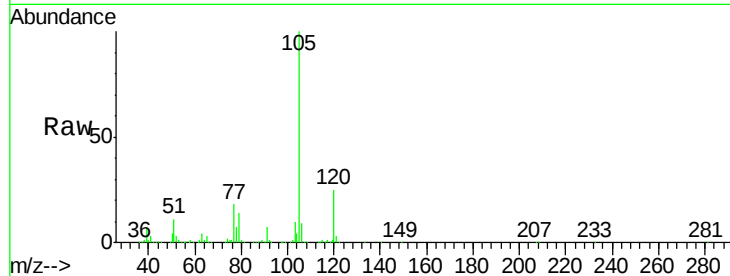
VSTDCCC050

Tot Ion:105 Resp: 790117

Ion Ratio Lower Upper

105 100

120 25.3 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.20

400000

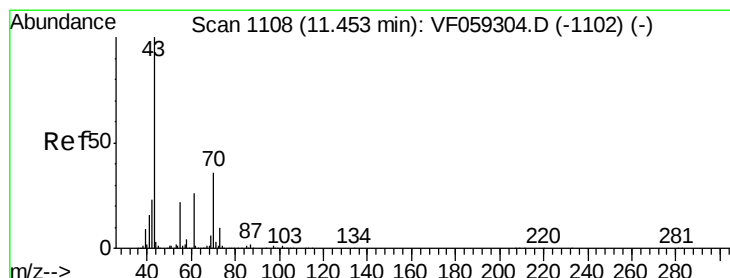
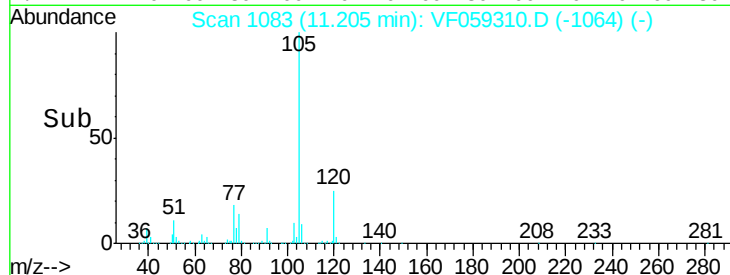
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 49.397 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Tgt Ion: 43 Resp: 283591

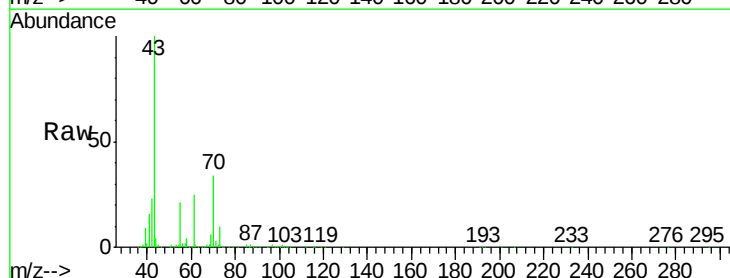
Ion Ratio Lower Upper

43 100

70 33.8 28.8 43.2

55 20.7 17.4 26.0

61 24.5 21.1 31.7



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

250000

200000

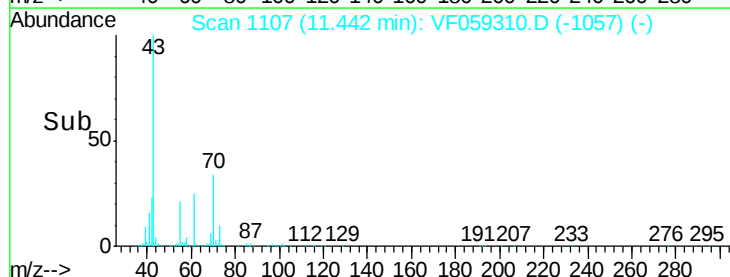
150000

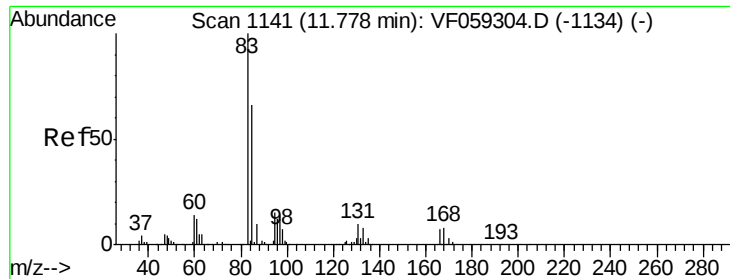
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.513 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

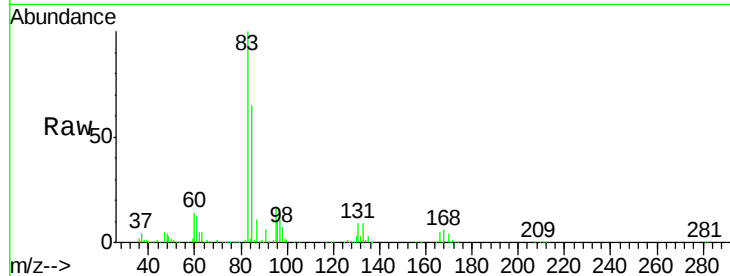
Tot Ion: 83 Resp: 181849

Ion Ratio Lower Upper

83 100

131 9.2 4.9 14.6

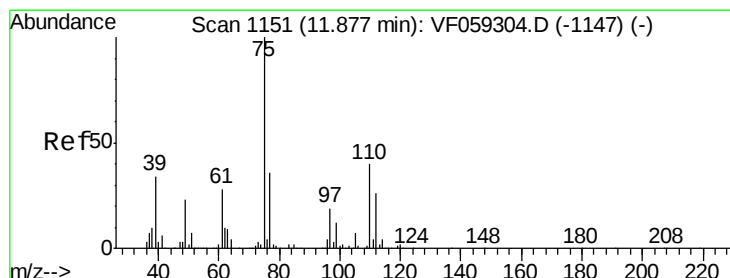
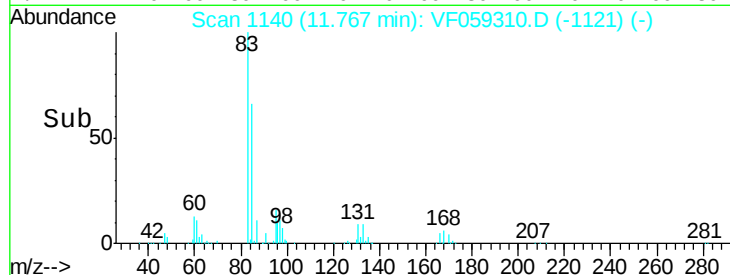
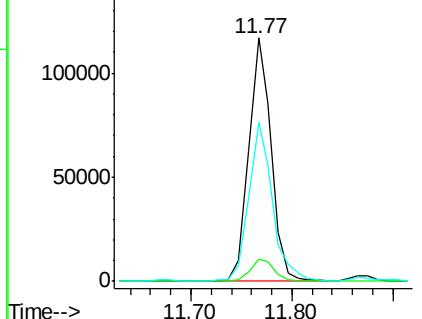
85 65.4 32.8 98.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 45.500 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF059310.D

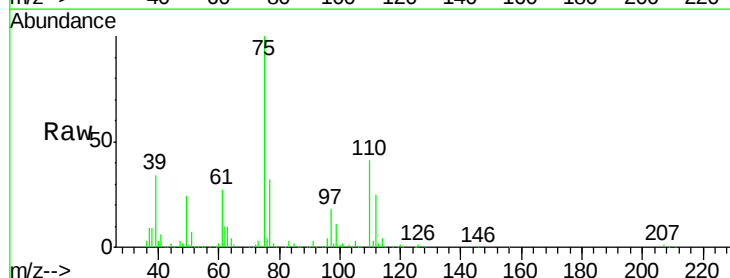
Acq: 26 Jun 2018 11:43

Tgt Ion: 75 Resp: 137134

Ion Ratio Lower Upper

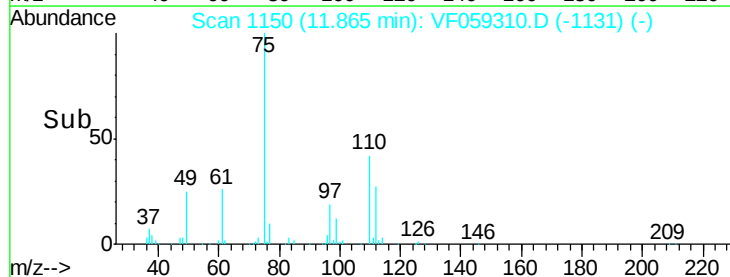
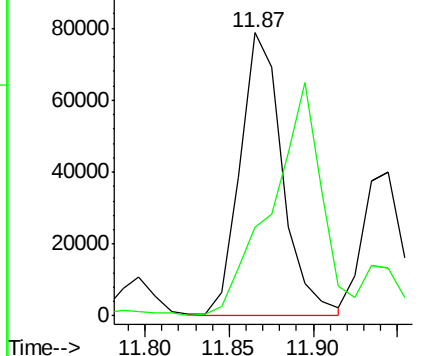
75 100

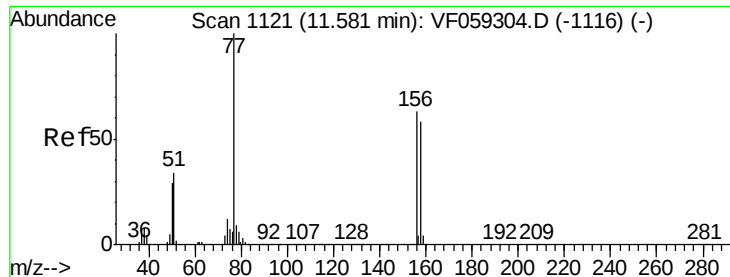
77 31.5 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.472 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

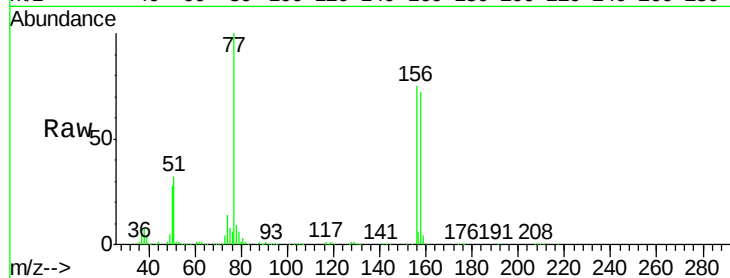
Tot Ion:156 Resp: 212758

Ion Ratio Lower Upper

156 100

77 133.1 79.7 238.9

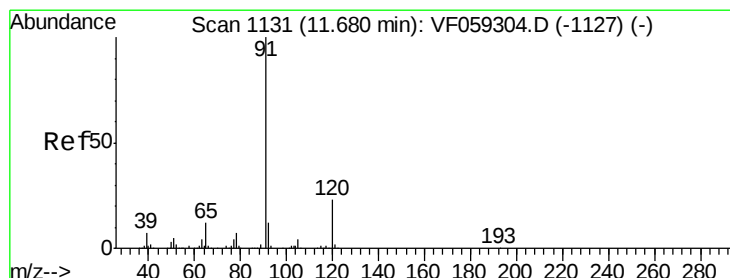
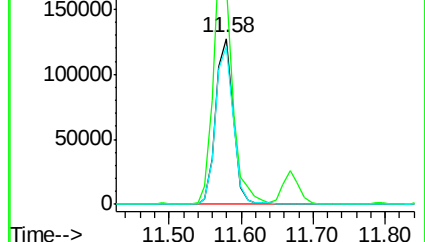
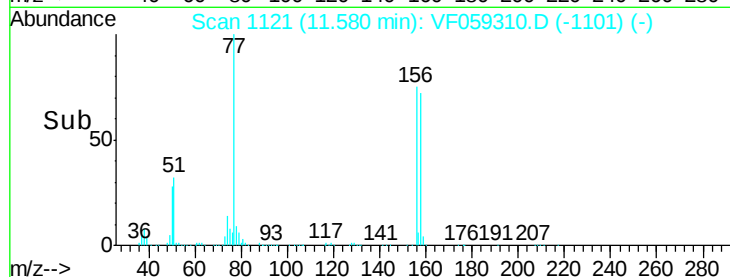
158 95.3 46.2 138.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 48.245 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF059310.D

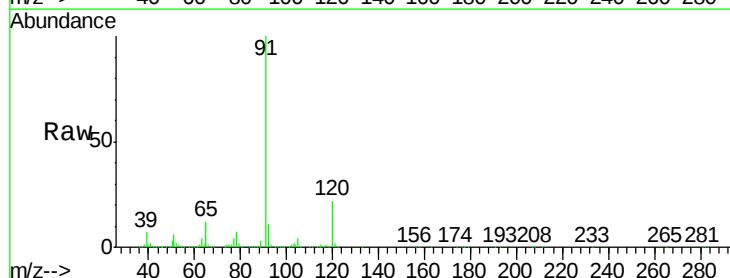
Acq: 26 Jun 2018 11:43

Tgt Ion: 91 Resp: 916654

Ion Ratio Lower Upper

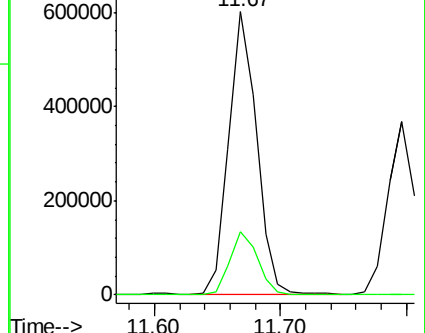
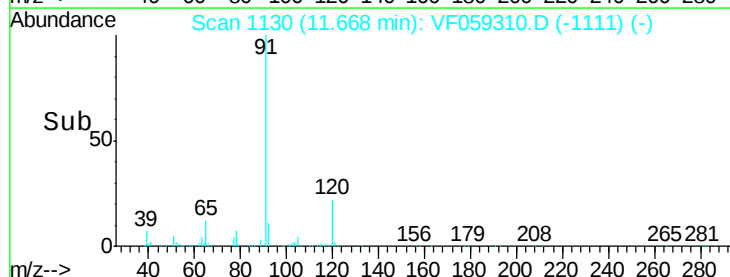
91 100

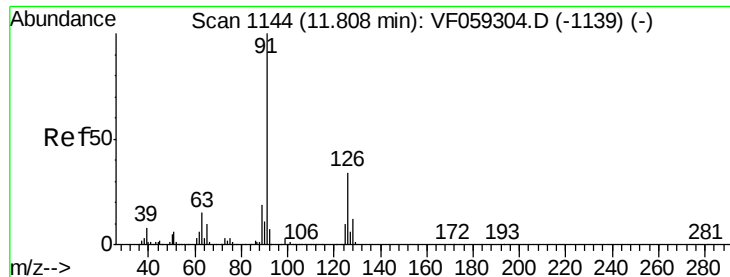
120 22.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.886 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

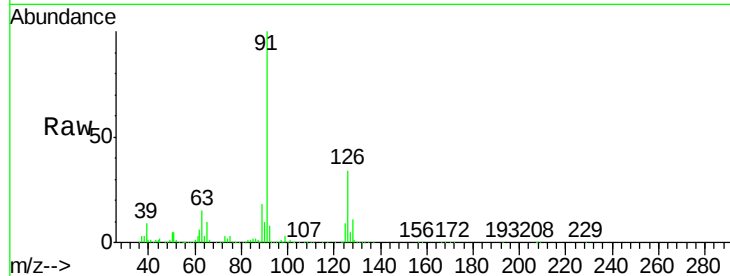
VSTDCCC050

Tot Ion: 91 Resp: 555860

Ion Ratio Lower Upper

91 100

126 33.6 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.80

400000

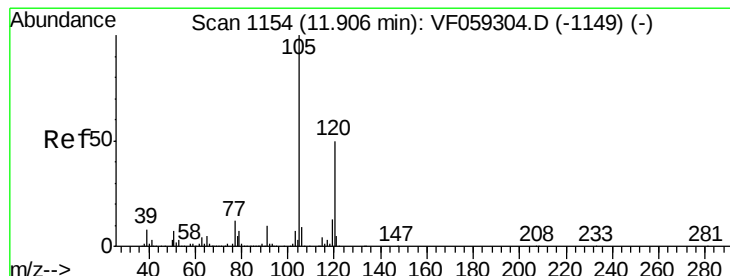
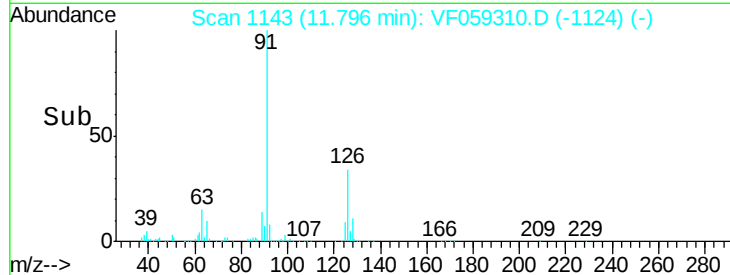
300000

200000

100000

0

Time--> 11.70 11.75 11.80 11.85



#80

1,3,5-Trimethylbenzene

Concen: 48.589 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059310.D

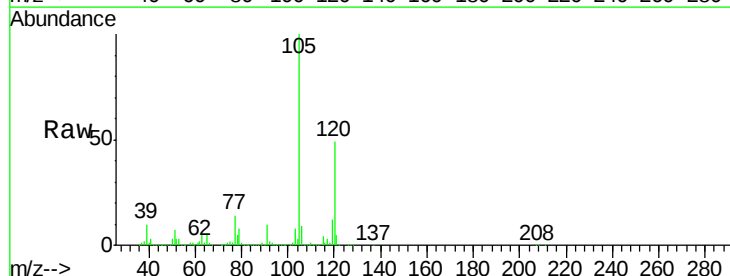
Acq: 26 Jun 2018 11:43

Tgt Ion: 105 Resp: 673355

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.89

500000

400000

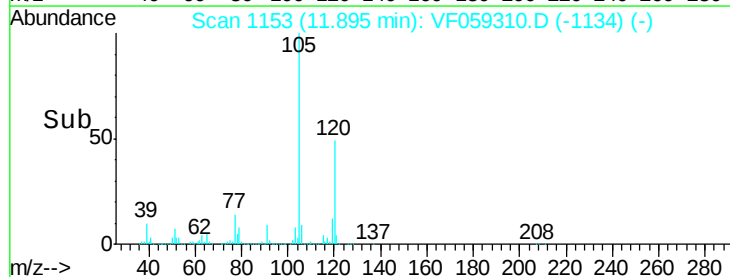
300000

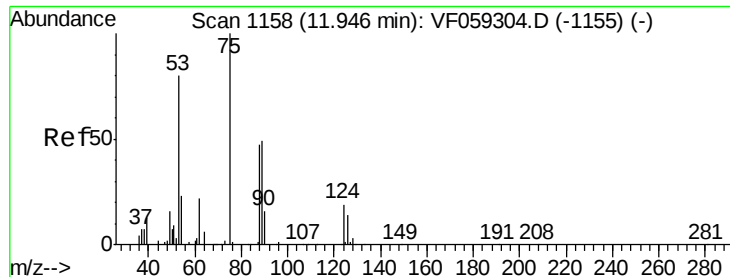
200000

100000

0

Time--> 11.80 11.90 12.00





#81

trans-1,4-Dichloro-2-butene

Concen: 46.318 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

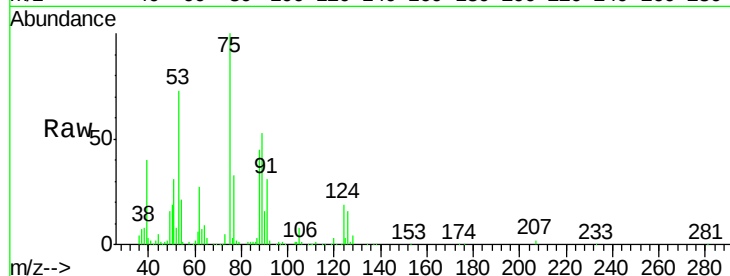
Tot Ion: 75 Resp: 83088

Ion Ratio Lower Upper

75 100

53 72.9 68.8 103.2

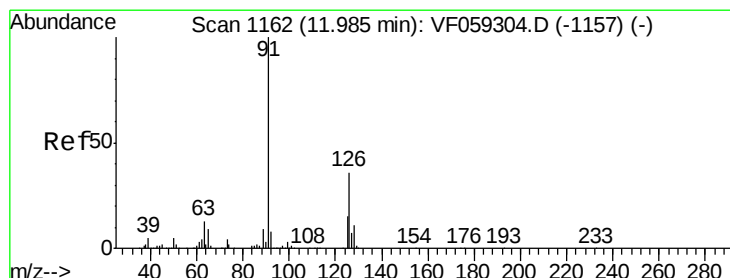
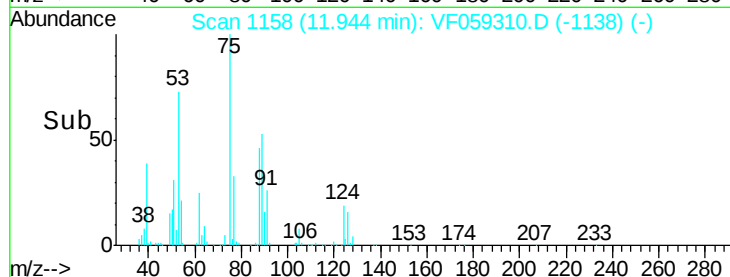
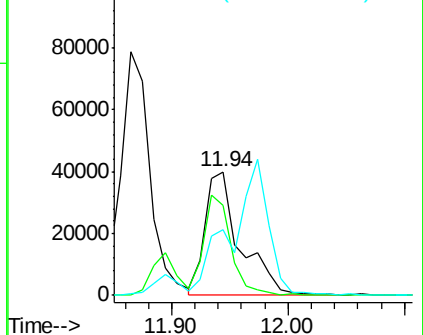
89 53.5 42.0 63.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 47.603 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF059310.D

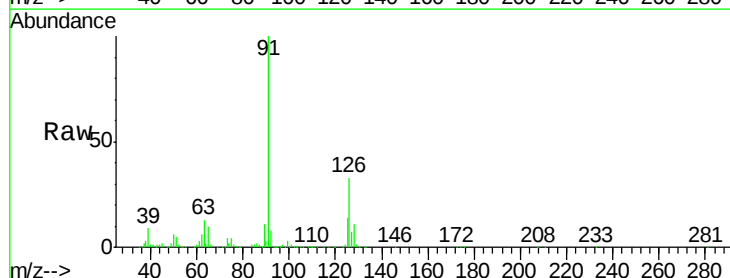
Acq: 26 Jun 2018 11:43

Tgt Ion: 91 Resp: 591863

Ion Ratio Lower Upper

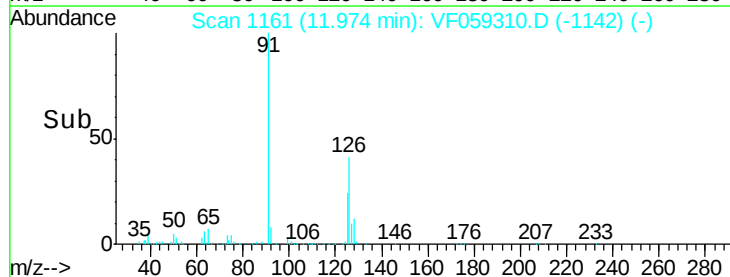
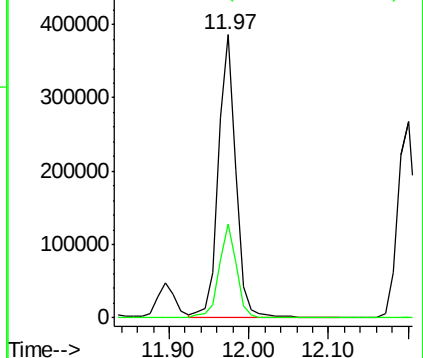
91 100

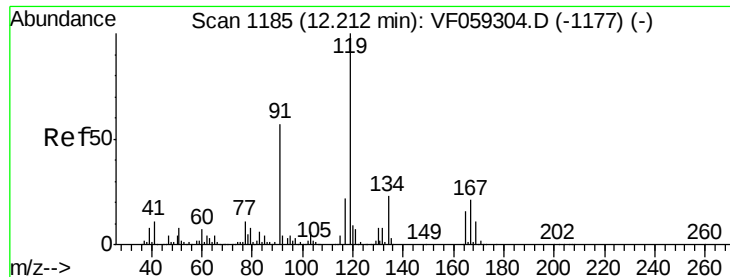
126 33.2 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

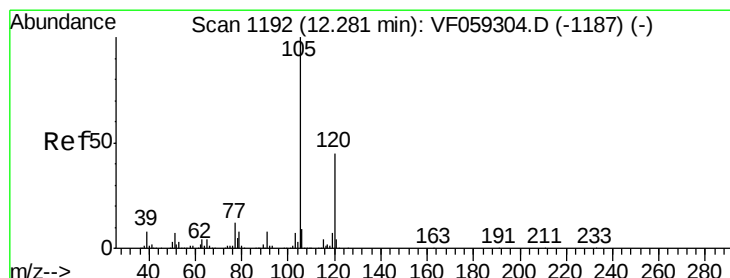
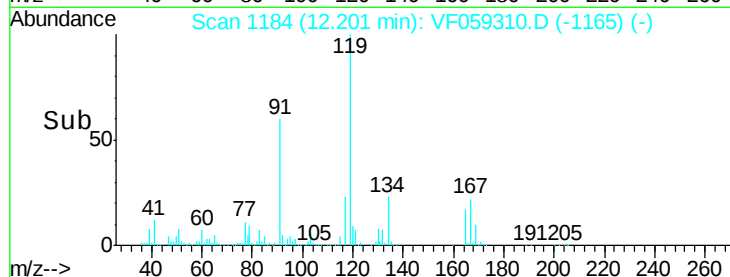
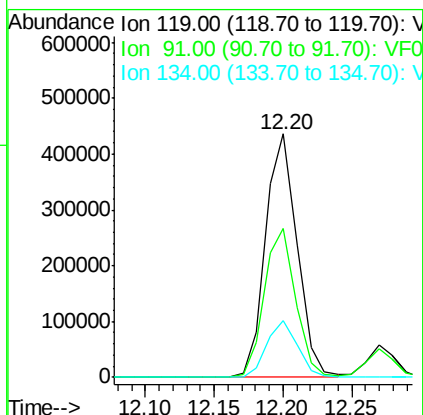
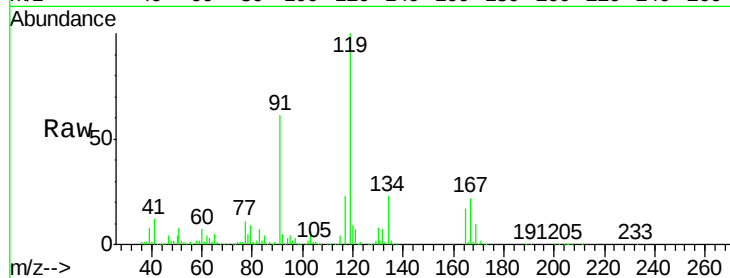




#83
tert-Butylbenzene
Concen: 50.229 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

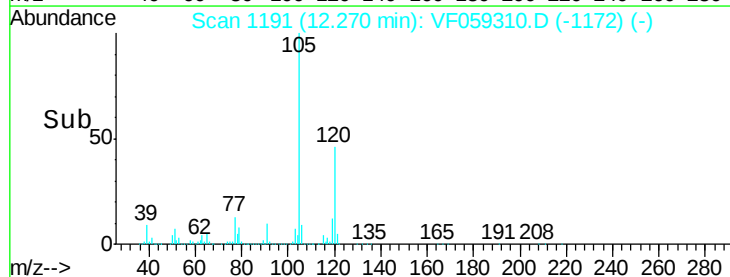
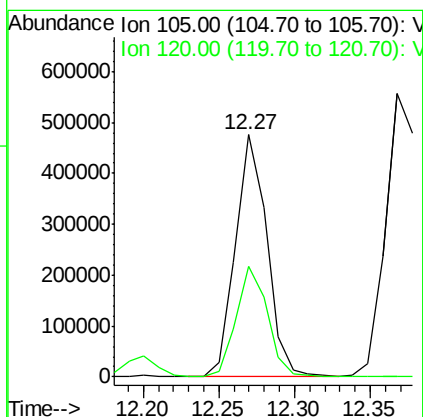
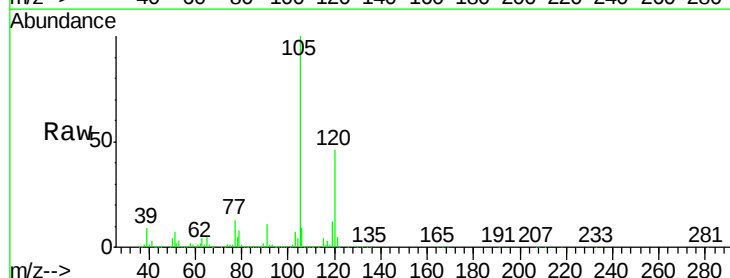
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

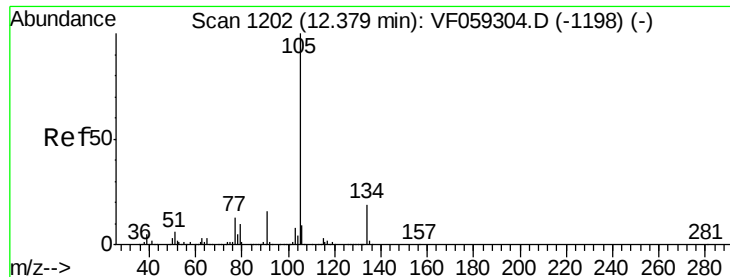
Tot Ion:119 Resp: 696199
Ion Ratio Lower Upper
119 100
91 61.2 28.4 85.2
134 23.4 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 47.064 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion:105 Resp: 686916
Ion Ratio Lower Upper
105 100
120 45.8 22.8 68.4





#85

sec-Butylbenzene

Concen: 48.026 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

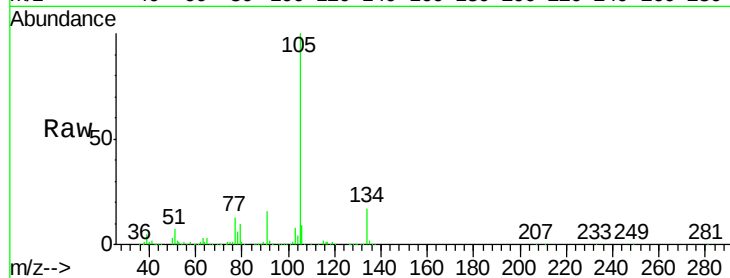
VSTDCCC050

Tot Ion:105 Resp: 882355

Ion Ratio Lower Upper

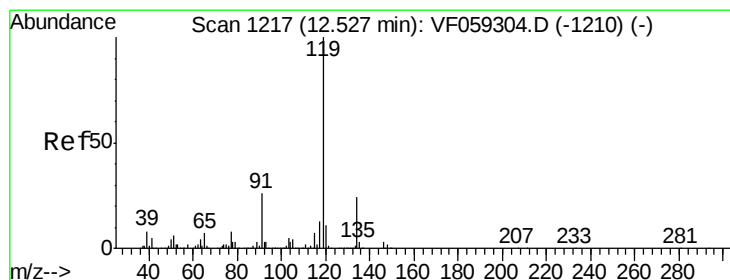
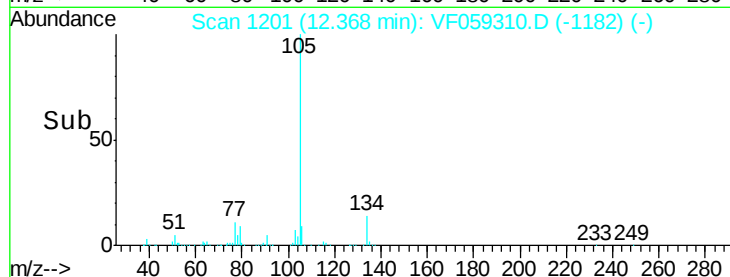
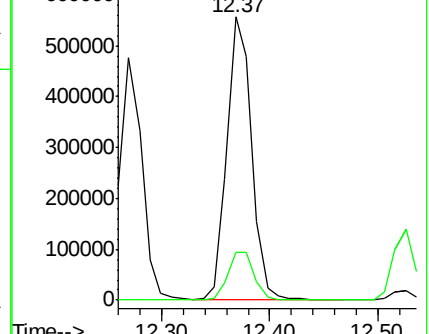
105 100

134 16.9 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.499 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

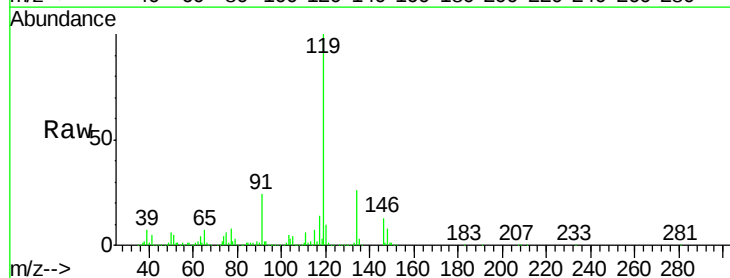
Tgt Ion:119 Resp: 763198

Ion Ratio Lower Upper

119 100

134 25.9 12.2 36.4

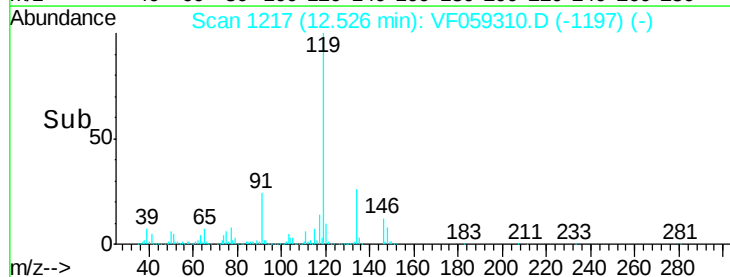
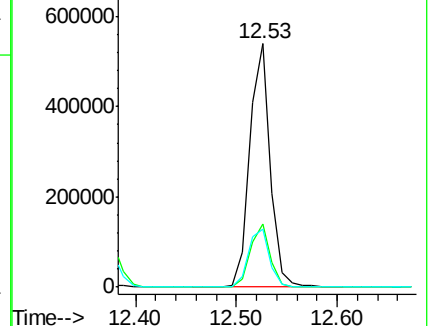
91 24.1 12.9 38.6

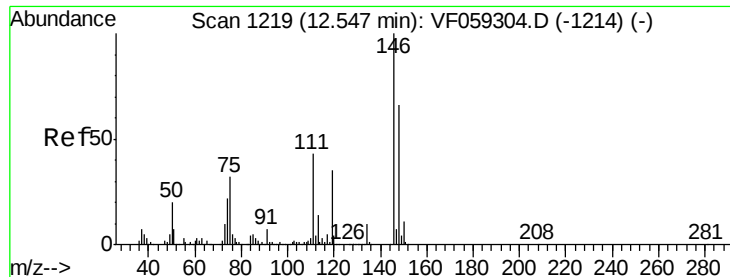


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

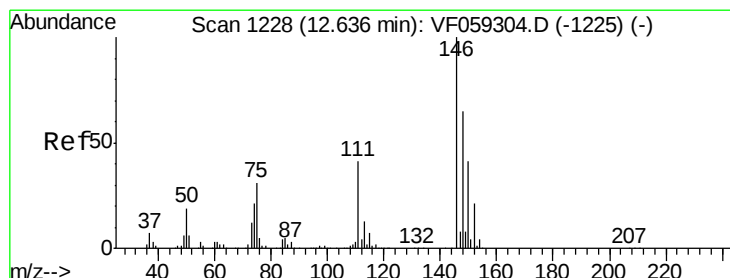
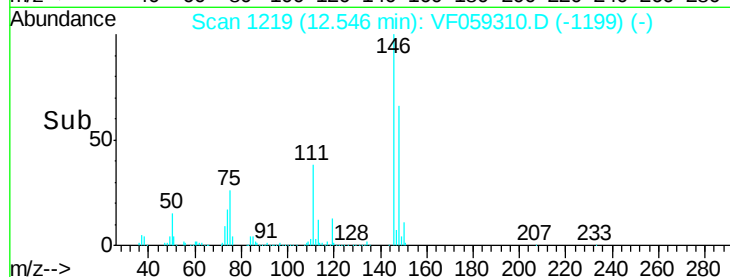
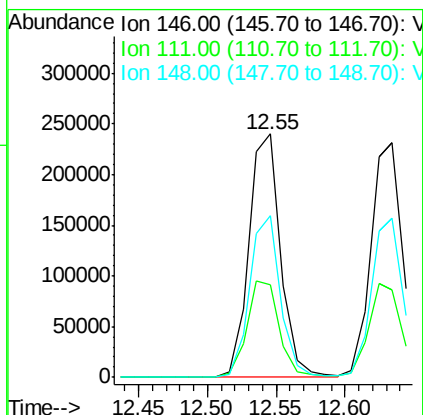
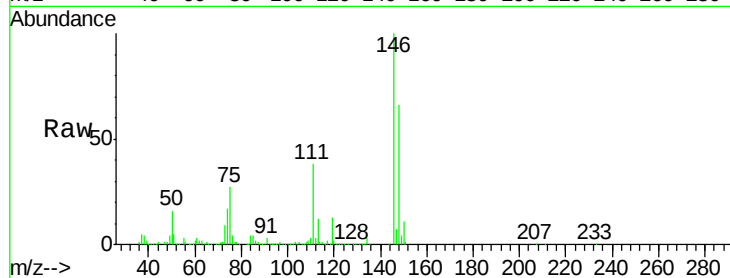




#87
 1,3-Dichlorobenzene
 Concen: 53.786 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059310.D
 Acq: 26 Jun 2018 11:43

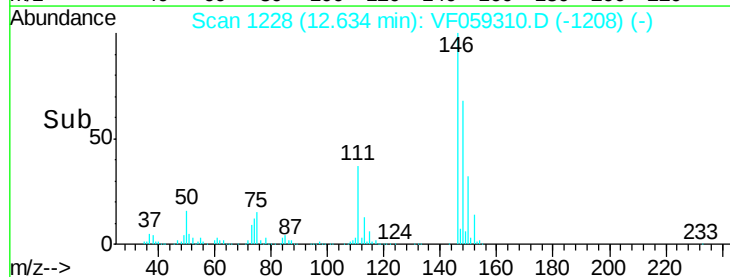
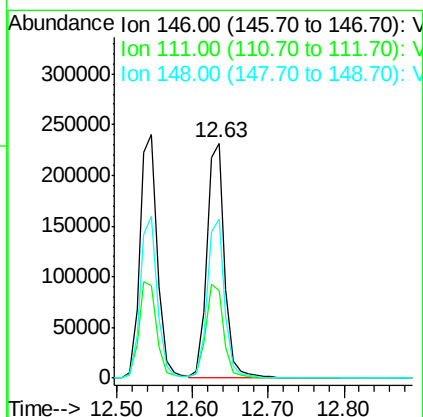
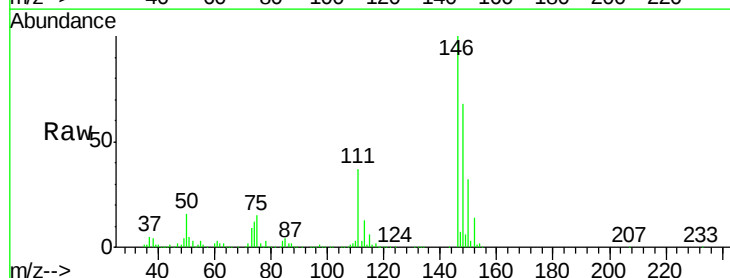
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

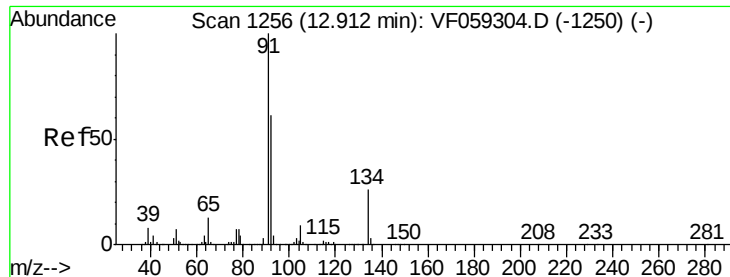
Tot Ion:146 Resp: 387249
 Ion Ratio Lower Upper
 146 100
 111 38.0 21.4 64.2
 148 66.2 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 48.469 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059310.D
 Acq: 26 Jun 2018 11:43

Tgt Ion:146 Resp: 379932
 Ion Ratio Lower Upper
 146 100
 111 37.1 20.7 62.1
 148 67.5 32.8 98.3





#89

n-Butylbenzene

Concen: 48.125 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

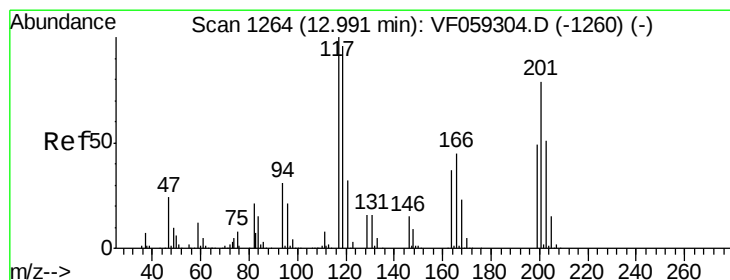
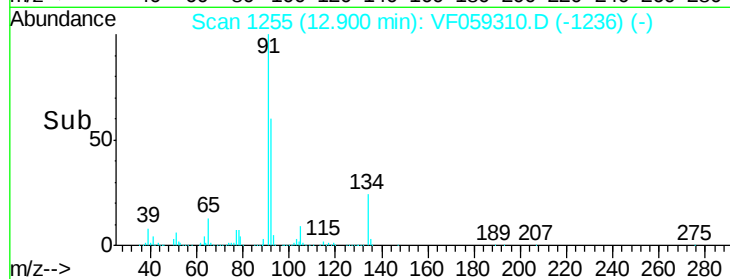
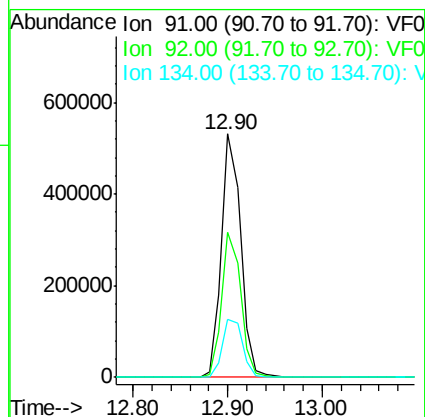
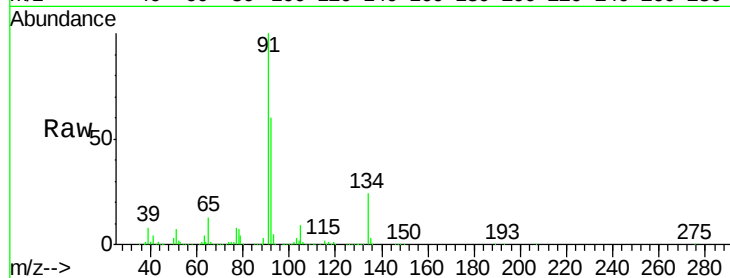
Tot Ion: 91 Resp: 753253

Ion Ratio Lower Upper

91 100

92 59.6 30.3 91.0

134 24.1 12.9 38.7



#90

Hexachloroethane

Concen: 49.393 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF059310.D

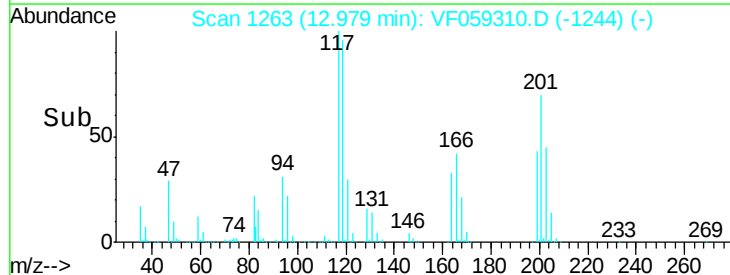
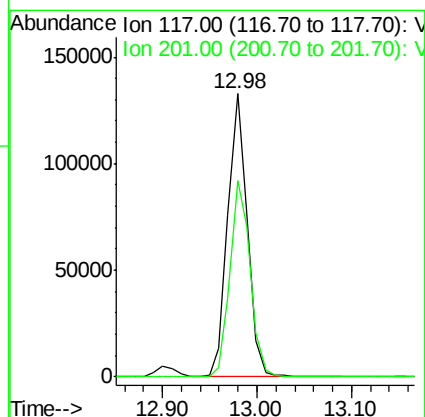
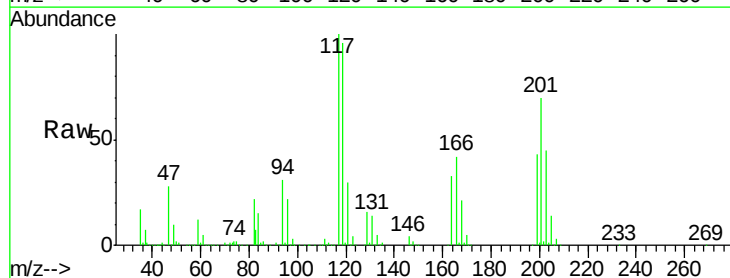
Acq: 26 Jun 2018 11:43

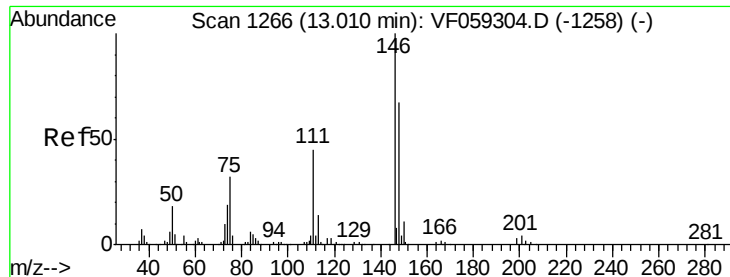
Tgt Ion: 117 Resp: 189809

Ion Ratio Lower Upper

117 100

201 69.6 39.5 118.5





#91

1,2-Dichlorobenzene

Concen: 47.381 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

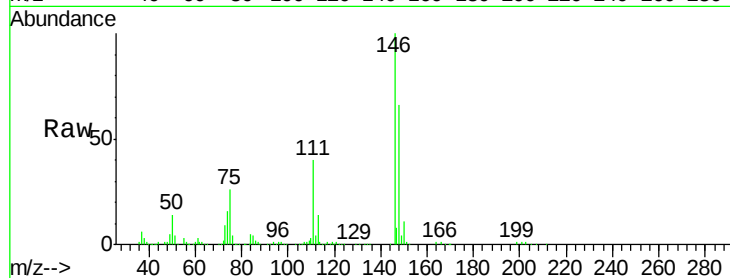
Tot Ion:146 Resp: 377552

Ion Ratio Lower Upper

146 100

111 39.7 22.7 68.0

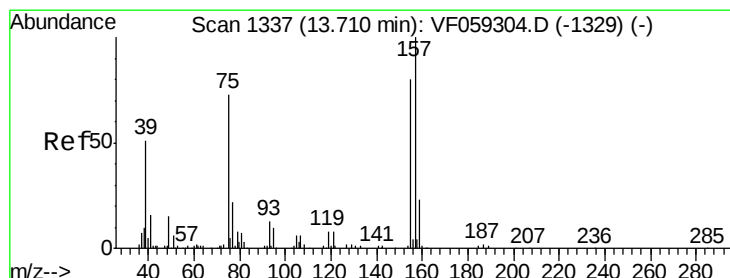
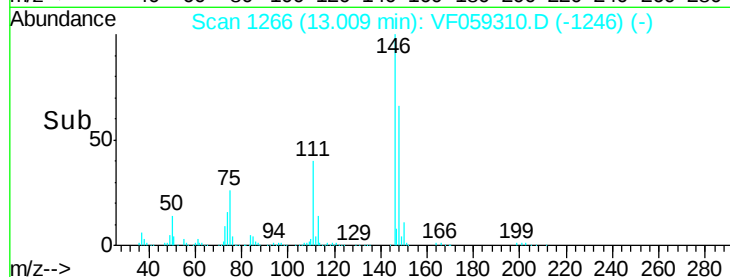
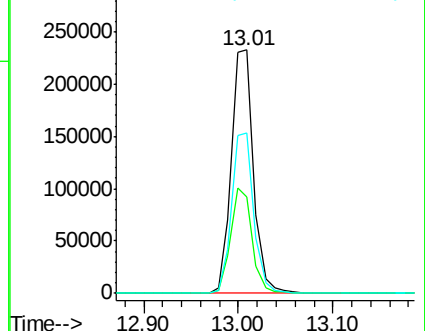
148 66.1 33.5 100.4



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: 46.670 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

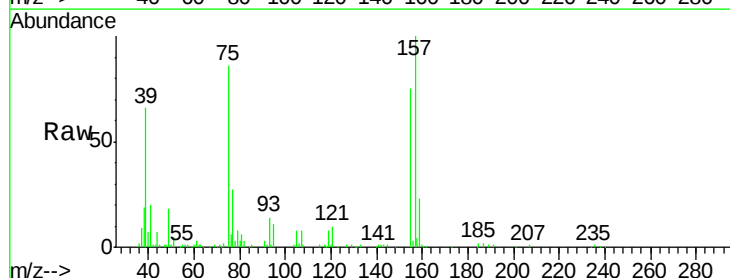
Tgt Ion: 75 Resp: 41336

Ion Ratio Lower Upper

75 100

155 86.8 54.6 163.8

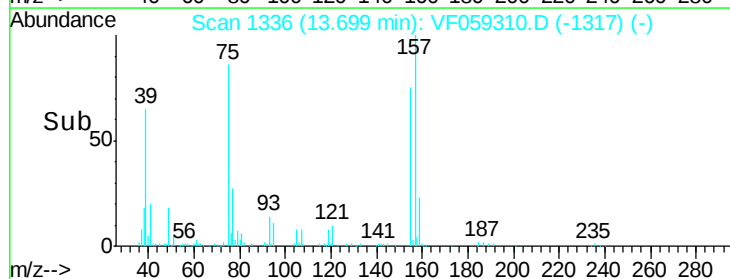
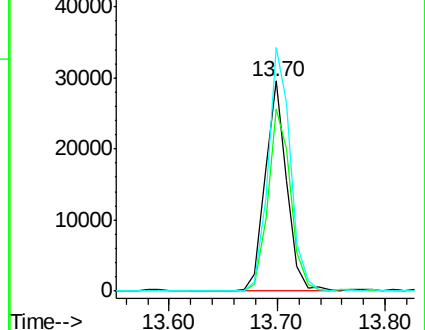
157 116.0 68.7 205.9

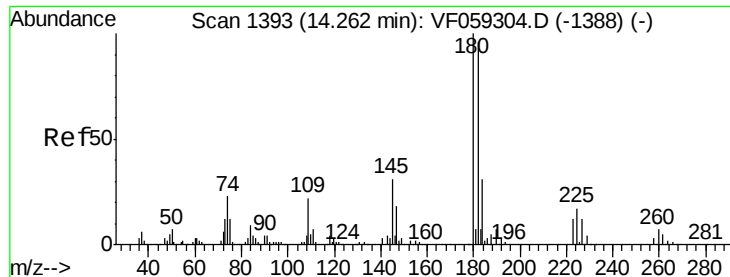


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

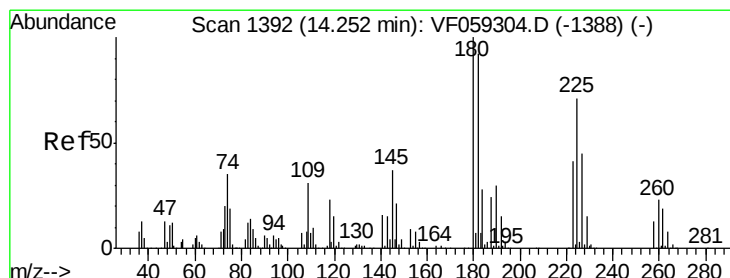
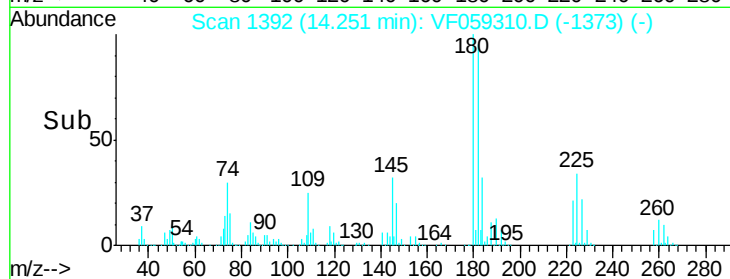
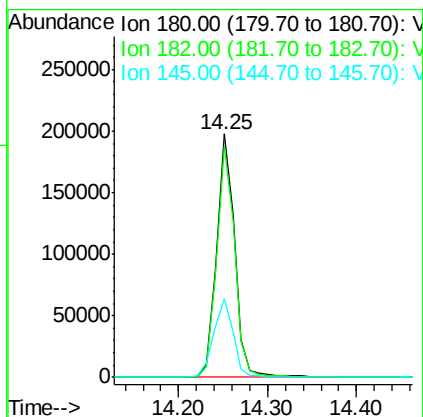
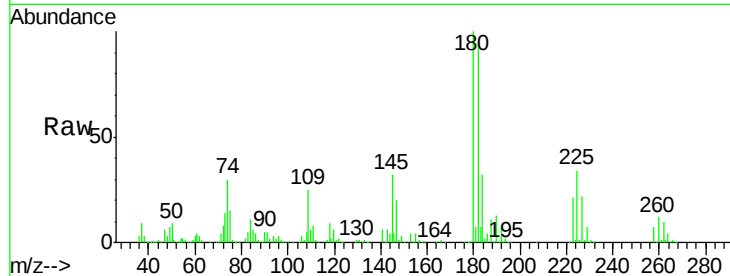




#93
1,2,4-Trichlorobenzene
Concen: 47.645 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

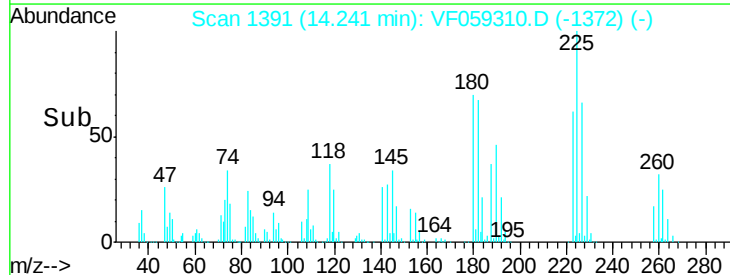
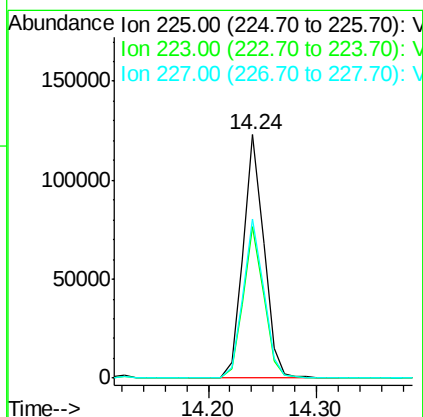
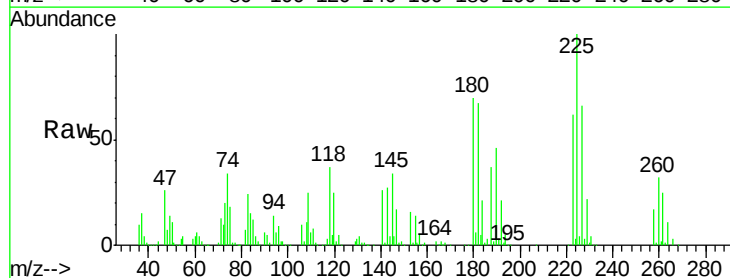
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

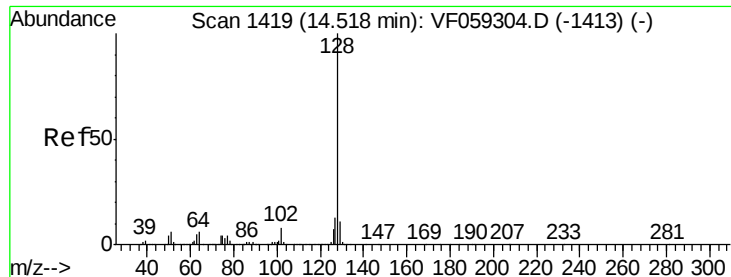
Tot Ion:180 Resp: 280724
Ion Ratio Lower Upper
180 100
182 95.0 48.1 144.3
145 32.2 15.3 45.8



#94
Hexachlorobutadiene
Concen: 50.088 ug/l
RT: 14.24 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion:225 Resp: 164842
Ion Ratio Lower Upper
225 100
223 62.2 28.9 86.8
227 65.6 31.3 93.8





#95

Naphthalene

Concen: 48.849 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

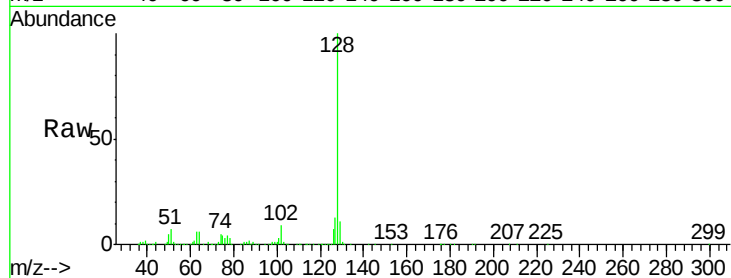
Tot Ion:128 Resp: 602191

Ion Ratio Lower Upper

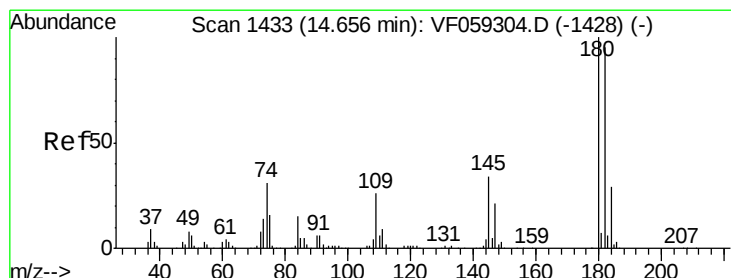
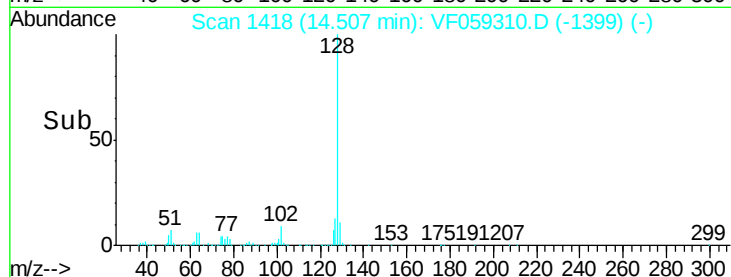
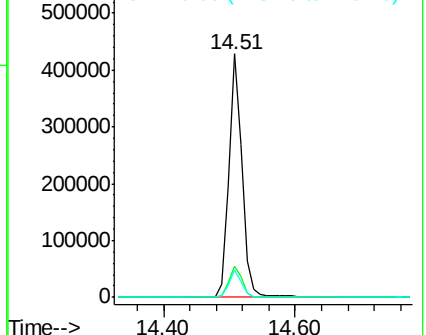
128 100

127 12.6 10.1 15.1

129 11.3 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: 48.385 ug/l

RT: 14.65 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

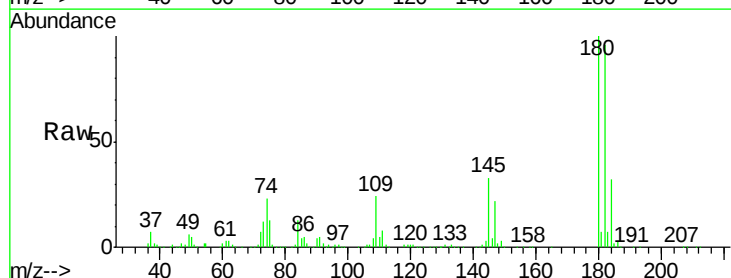
Tgt Ion:180 Resp: 270062

Ion Ratio Lower Upper

180 100

182 95.8 47.5 142.5

145 32.7 17.0 50.9



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

