

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056650.D
 Acq On : 23 Feb 2018 11:24
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 24 00:44:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 21 08:56:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.78	168	440798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.51	114	693326	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.68	117	658079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.47	152	336121	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.75	65	274846	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
35) Dibromofluoromethane	4.02	113	266666	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	7.47	98	765947	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.33	95	347375	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	203485	45.77	ug/l	96
3) Chloromethane	1.02	50	219383	44.25	ug/l	99
4) Vinyl Chloride	1.09	62	180100	51.13	ug/l	95
5) Bromomethane	1.26	94	96163	48.82	ug/l	99
6) Chloroethane	1.33	64	63087	44.57	ug/l	99
7) Trichlorofluoromethane	1.39	101	89336	24.32	ug/l	99
8) Diethyl Ether	1.59	74	69649	52.86	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.78	101	164517	52.90	ug/l	95
10) Methyl Iodide	1.81	142	138309	23.86	ug/l	95
11) Tert butyl alcohol	2.50	59	96018	266.95	ug/l #	91
12) 1,1-Dichloroethene	1.71	96	147854	51.61	ug/l	98
13) Acrolein	1.95	56	84584	219.68	ug/l	90
14) Allyl chloride	2.04	41	255508	51.88	ug/l	93
15) Acrylonitrile	2.86	53	224561	247.75	ug/l	95
16) Acetone	2.18	43	456856	291.31	ug/l	97
17) Carbon Disulfide	1.72	76	410855	55.00	ug/l	96
18) Methyl Acetate	2.29	43	144961	46.48	ug/l	93
19) Methyl tert-butyl Ether	2.37	73	437398	51.63	ug/l	100
20) Methylene Chloride	2.13	84	157065	52.61	ug/l	92
21) trans-1,2-Dichloroethene	2.26	96	161109	53.38	ug/l	86
22) Diisopropyl ether	2.73	45	553980	50.18	ug/l	98
23) Vinyl Acetate	3.11	43	2170836	241.68	ug/l	98
24) 1,1-Dichloroethane	2.80	63	325260	53.34	ug/l	99
25) 2-Butanone	4.23	43	607461	217.82	ug/l	98
26) 2,2-Dichloropropane	3.52	77	198232	58.74	ug/l	97
27) cis-1,2-Dichloroethene	3.39	96	247262	48.76	ug/l	99
28) Bromochloromethane	3.63	49	150458	48.62	ug/l	93
29) Tetrahydrofuran	3.98	42	275951	213.70	ug/l	98
30) Chloroform	3.77	83	436822	50.05	ug/l	99
31) Cyclohexane	3.63	56	291415	44.49	ug/l	92
32) 1,1,1-Trichloroethane	4.02	97	289232	54.70	ug/l	98
36) 1,1-Dichloropropene	4.19	75	319435	48.93	ug/l	97
37) Ethyl Acetate	4.02	43	248847	42.63	ug/l #	95
38) Carbon Tetrachloride	3.91	117	289877	59.65	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.38	83	333735	47.27	ug/l	98
40) Benzene	4.55	78	794860	48.01	ug/l	97
41) Methacrylonitrile	4.65	41	115004	40.59	ug/l	94
42) 1,2-Dichloroethane	4.85	62	324197	50.38	ug/l	96
43) Isopropyl Acetate	6.87	43	326870	45.68	ug/l	99
44) Trichloroethene	5.42	130	234241	48.22	ug/l	96
45) 1,2-Dichloropropane	6.14	63	225580	47.82	ug/l	98
46) Dibromomethane	6.00	93	182779	50.37	ug/l	94
47) Bromodichloromethane	6.29	83	354889	52.92	ug/l	97
48) Methyl methacrylate	6.63	41	200570	47.83	ug/l	92
49) 1,4-Dioxane	6.62	88	44490	1029.24	ug/l	98
51) 4-Methyl-2-Pentanone	8.17	43	1051553	214.82	ug/l	99
52) Toluene	7.53	92	523235	47.46	ug/l	98
53) t-1,3-Dichloropropene	8.18	75	335704	49.70	ug/l	99
54) cis-1,3-Dichloropropene	7.21	75	377448	48.02	ug/l	96
55) 1,1,2-Trichloroethane	8.39	97	208426	47.72	ug/l	96
56) Ethyl methacrylate	8.53	69	276595	48.49	ug/l	95
57) 1,3-Dichloropropane	8.76	76	352502	46.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.53	63	80470	103.77	ug/l	100
59) 2-Hexanone	9.40	43	888408	223.61	ug/l	99
60) Dibromochloromethane	8.62	129	277615	52.42	ug/l	97
61) 1,2-Dibromoethane	8.88	107	248556	49.14	ug/l	93
64) Tetrachloroethene	8.07	164	216432	45.70	ug/l	99
65) Chlorobenzene	9.70	112	628880	48.77	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.83	131	223751	50.34	ug/l	97
67) Ethyl Benzene	9.81	91	1036424	47.13	ug/l	98
68) m/p-Xylenes	10.04	106	746979	92.88	ug/l	97
69) o-Xylene	10.63	106	387880	46.46	ug/l	99
70) Styrene	10.70	104	632047	47.77	ug/l	98
71) Bromoform	10.68	173	176621	49.65	ug/l	100
73) Isopropylbenzene	11.04	105	1118317	50.51	ug/l	100
74) N-amyl acetate	11.30	43	446138	45.05	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.62	83	302499	45.16	ug/l	97
76) 1,2,3-Trichloropropane	11.71	75	234064	45.54	ug/l	100
77) Bromobenzene	11.42	156	304747	50.74	ug/l	97
78) n-propylbenzene	11.52	91	1324286	48.55	ug/l	100
79) 2-Chlorotoluene	11.64	91	771344	48.02	ug/l	98
80) 1,3,5-Trimethylbenzene	11.75	105	881479	48.05	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.79	75	140257	49.81	ug/l	97
82) 4-Chlorotoluene	11.82	91	858521	49.13	ug/l	97
83) tert-Butylbenzene	12.06	119	888955	50.04	ug/l	98
84) 1,2,4-Trimethylbenzene	12.13	105	946125	49.45	ug/l	99
85) sec-Butylbenzene	12.24	105	1202665	49.17	ug/l	94
86) p-Isopropyltoluene	12.38	119	950845	48.42	ug/l	98
87) 1,3-Dichlorobenzene	12.39	146	516304	46.75	ug/l	99
88) 1,4-Dichlorobenzene	12.48	146	514078	48.48	ug/l	99
89) n-Butylbenzene	12.77	91	1003652	55.22	ug/l	99
90) Hexachloroethane	12.84	117	206009	54.58	ug/l	94
91) 1,2-Dichlorobenzene	12.87	146	516170	48.71	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.56	75	59671	47.82	ug/l	97

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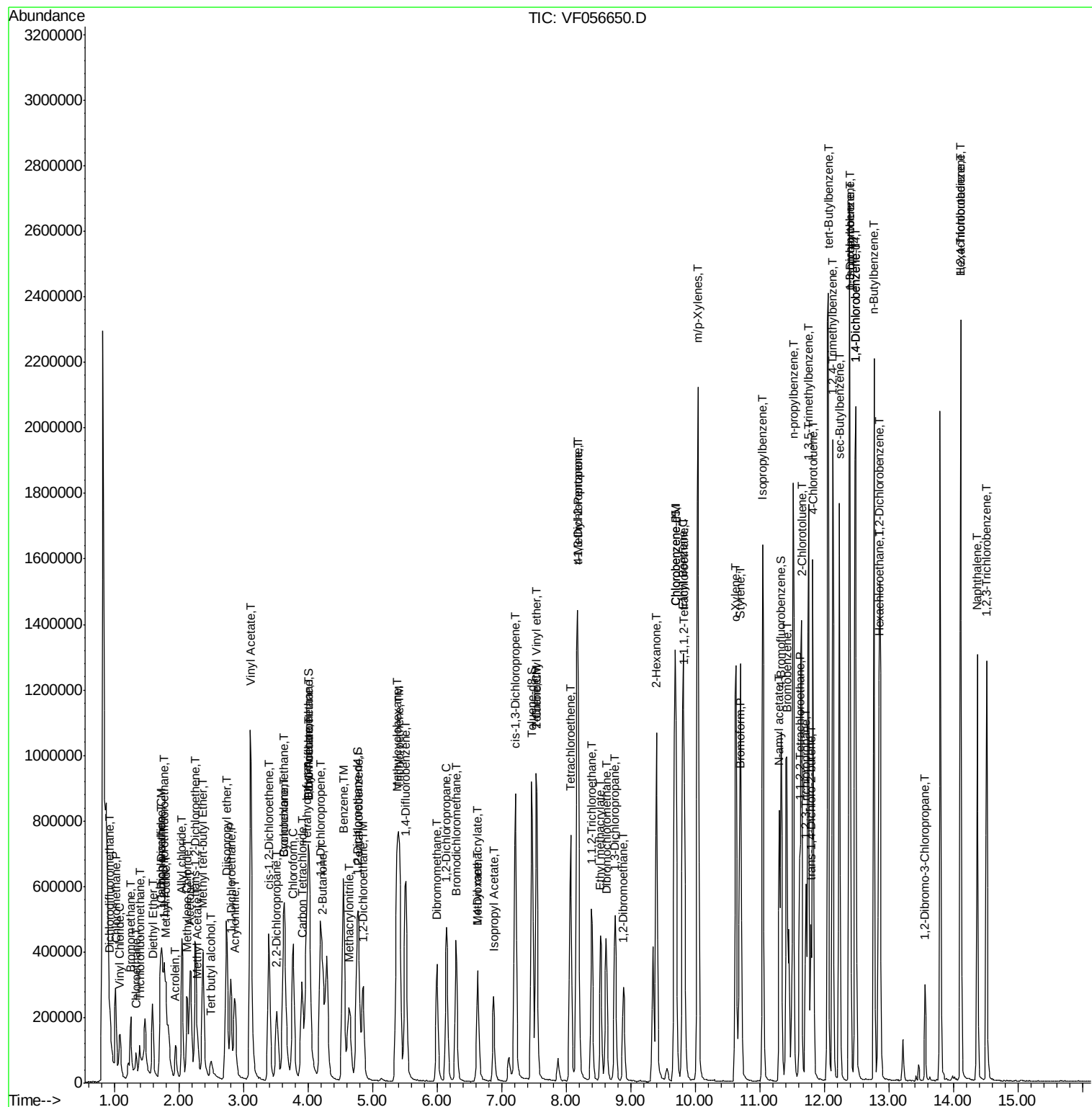
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.12	180	353191	49.10	ug/l	95
94) Hexachlorobutadiene	14.11	225	193629	47.20	ug/l	98
95) Naphthalene	14.37	128	853453	47.16	ug/l	99
96) 1,2,3-Trichlorobenzene	14.51	180	330689	47.58	ug/l	99

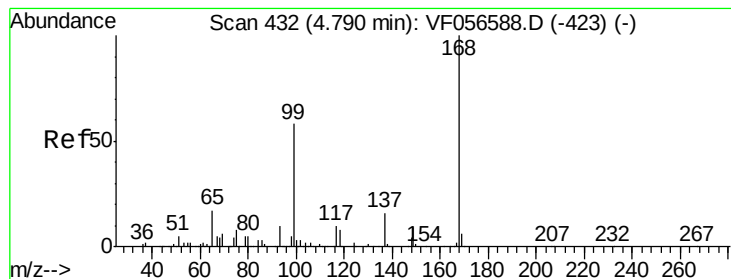
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.78 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

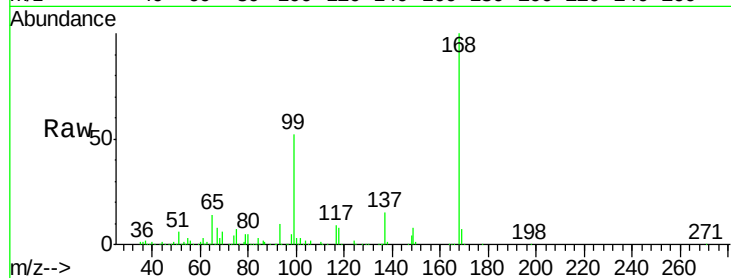
VSTDCCC050

Tgt Ion:168 Resp: 440798

Ion Ratio Lower Upper

168 100

99 52.1 46.2 69.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.78

150000

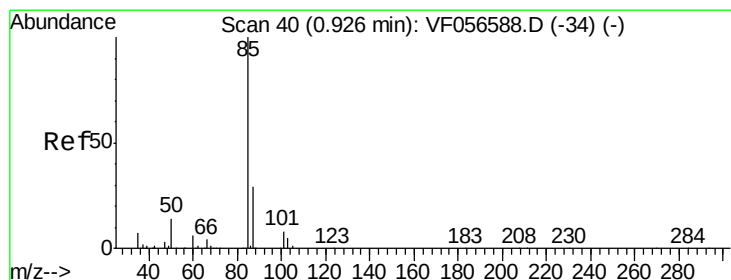
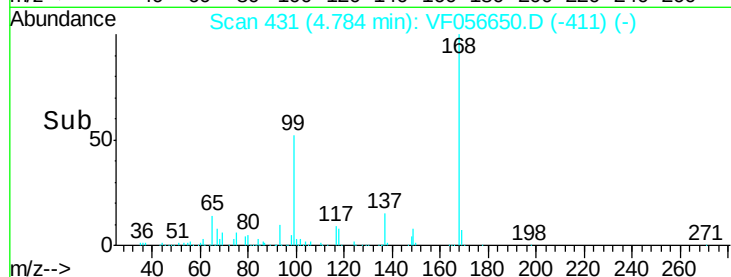
100000

50000

0

Time-->

4.60 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 45.77 ug/l

RT: 0.93 min Scan# 40

Delta R.T. 0.00 min

Lab File: VF056650.D

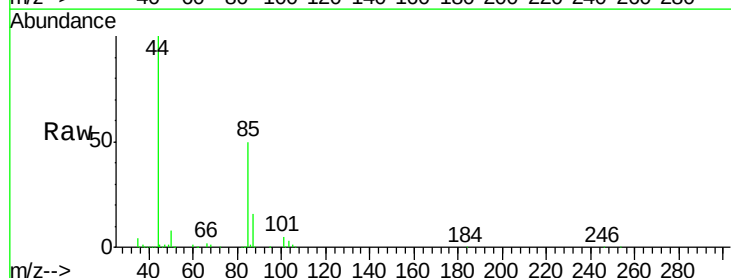
Acq: 23 Feb 2018 11:24

Tgt Ion: 85 Resp: 203485

Ion Ratio Lower Upper

85 100

87 31.8 14.7 44.1



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.93

60000

50000

40000

30000

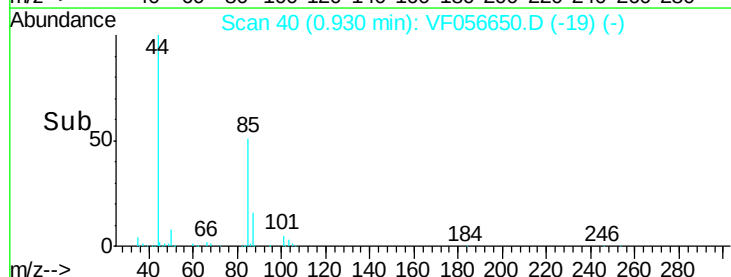
20000

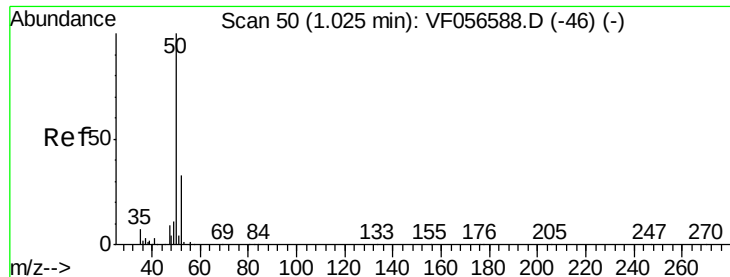
10000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 44.25 ug/l

RT: 1.02 min Scan# 49

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

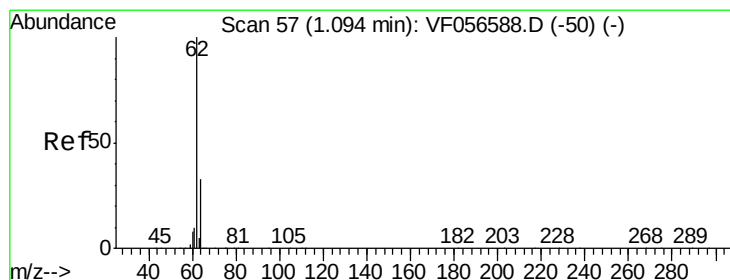
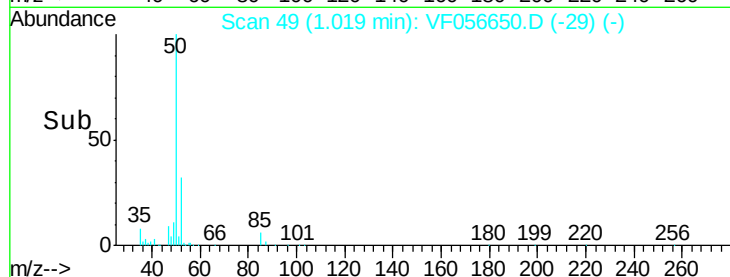
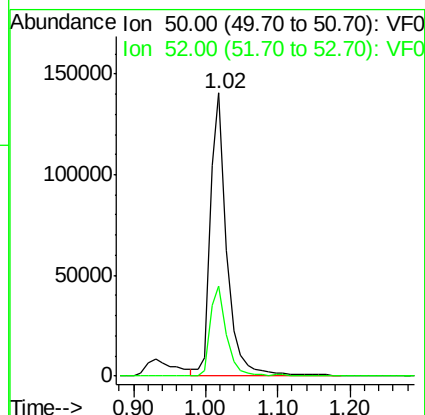
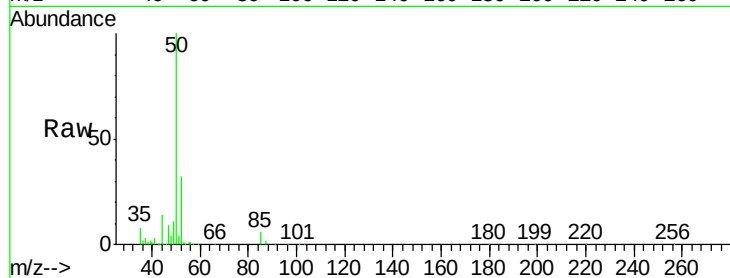
VSTDCCC050

Tgt Ion: 50 Resp: 219383

Ion Ratio Lower Upper

50 100

52 31.9 25.8 38.8



#4

Vinyl Chloride

Concen: 51.13 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF056650.D

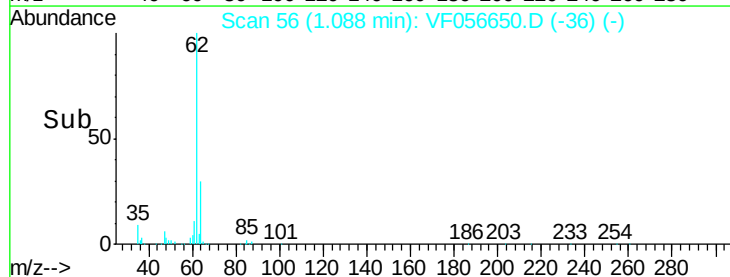
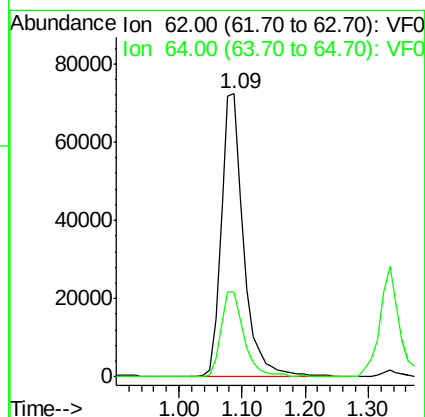
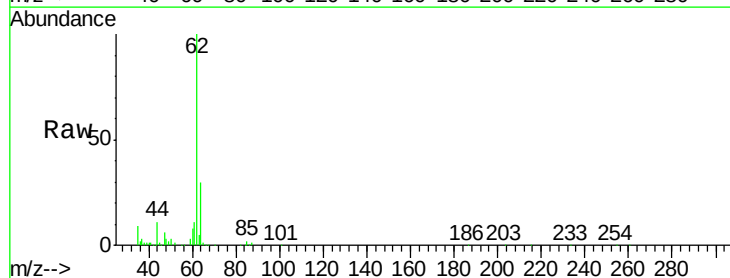
Acq: 23 Feb 2018 11:24

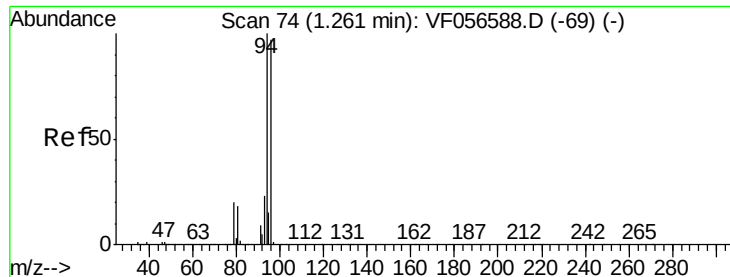
Tgt Ion: 62 Resp: 180100

Ion Ratio Lower Upper

62 100

64 30.1 26.4 39.6





#5

Bromomethane

Concen: 48.82 ug/l

RT: 1.26 min Scan# 73

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

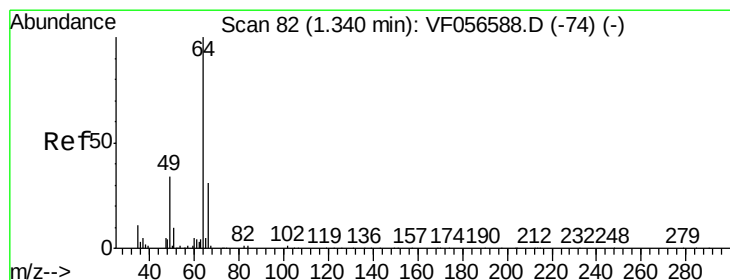
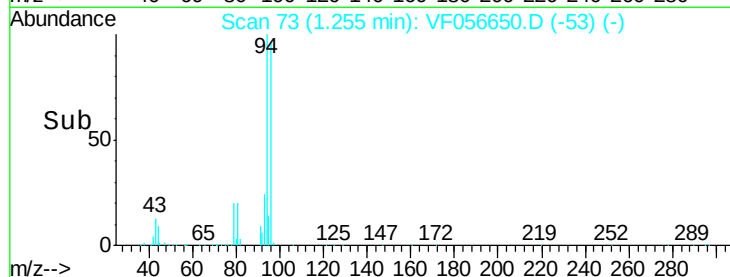
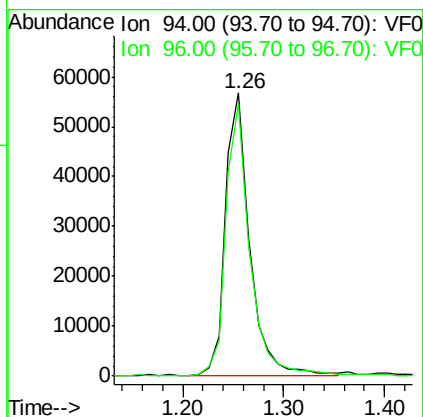
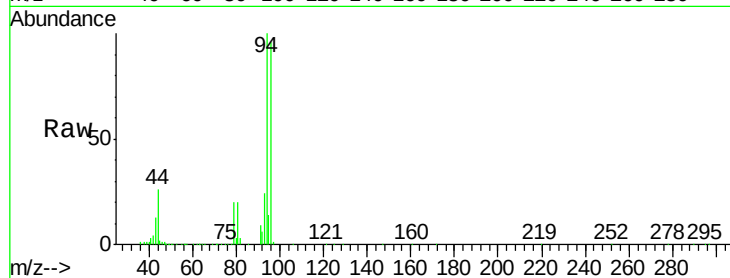
VSTDCCC050

Tgt Ion: 94 Resp: 96163

Ion Ratio Lower Upper

94 100

96 96.0 77.4 116.0



#6

Chloroethane

Concen: 44.57 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF056650.D

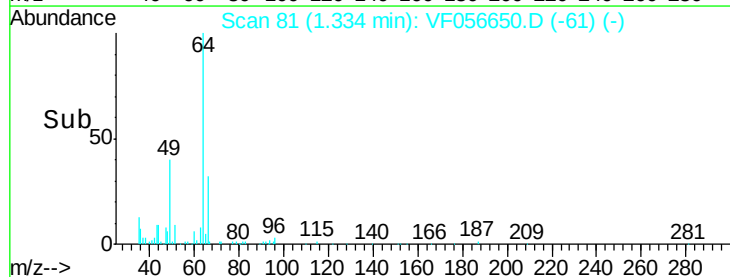
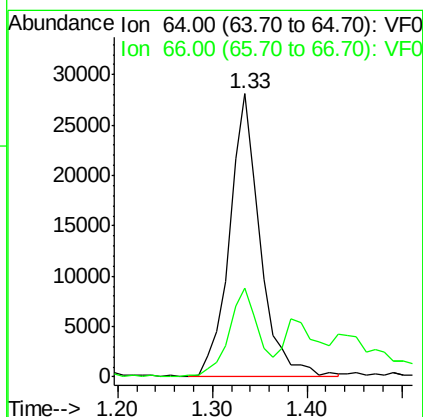
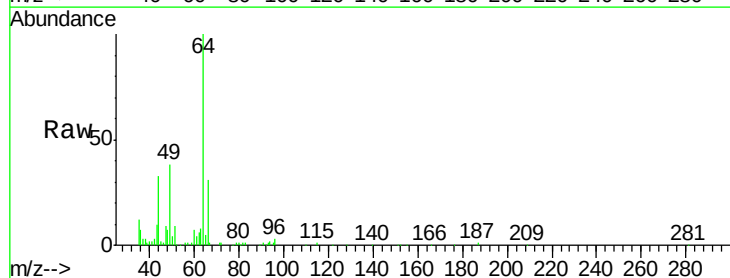
Acq: 23 Feb 2018 11:24

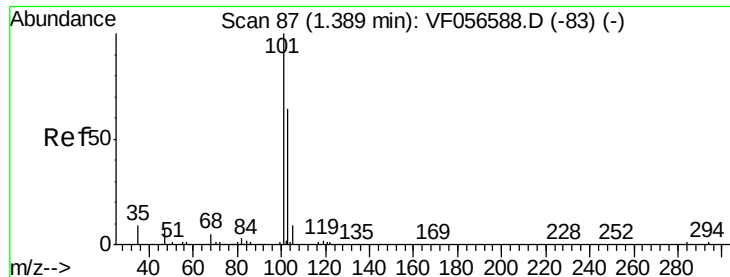
Tgt Ion: 64 Resp: 63087

Ion Ratio Lower Upper

64 100

66 31.2 25.4 38.2





#7

Trichlorofluoromethane

Concen: 24.32 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

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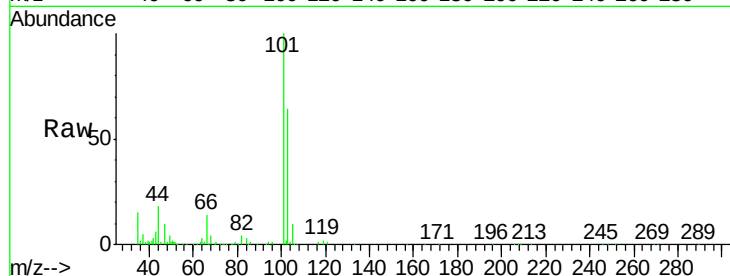
VSTDCCC050

Tgt Ion:101 Resp: 89336

Ion Ratio Lower Upper

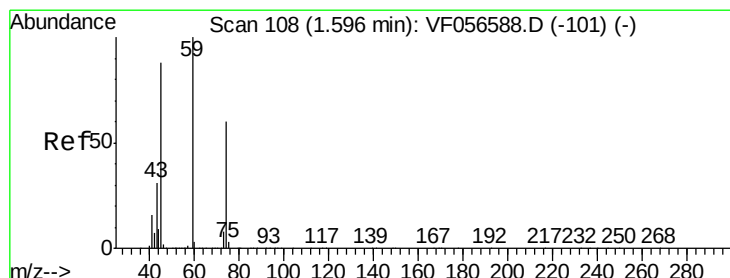
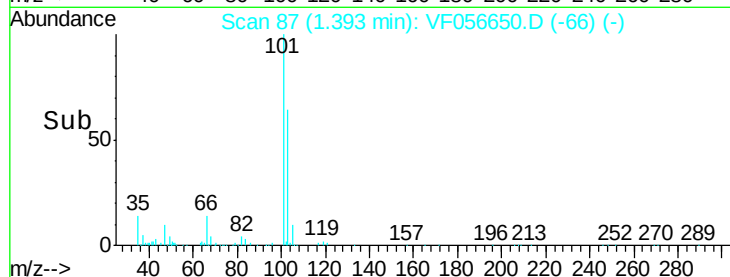
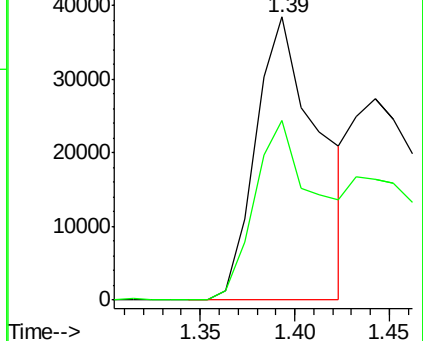
101 100

103 63.7 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 52.86 ug/l

RT: 1.59 min Scan# 107

Delta R.T. -0.01 min

Lab File: VF056650.D

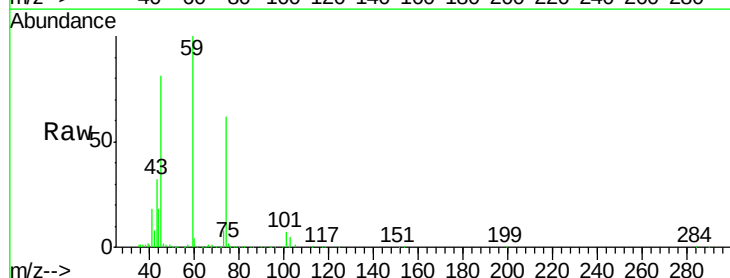
Acq: 23 Feb 2018 11:24

Tgt Ion: 74 Resp: 69649

Ion Ratio Lower Upper

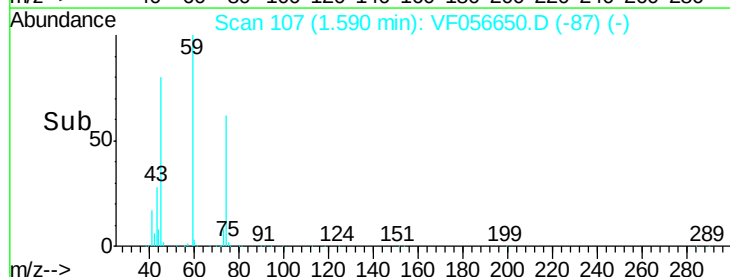
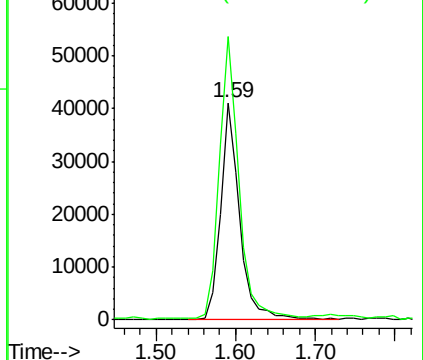
74 100

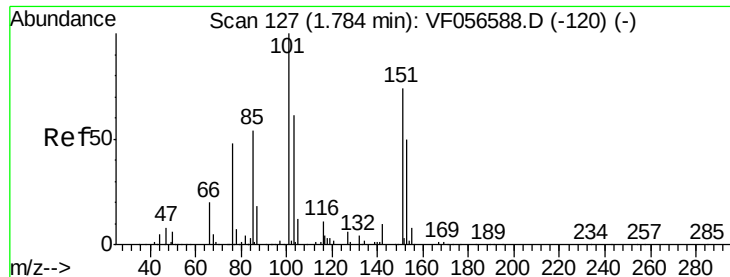
45 130.5 73.5 220.3



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: 52.90 ug/l

RT: 1.78 min Scan# 126

Delta R.T. -0.01 min

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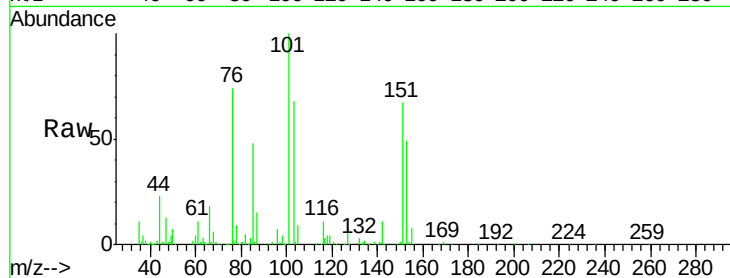
Tgt Ion:101 Resp: 164517

Ion Ratio Lower Upper

101 100

85 47.6 41.7 62.5

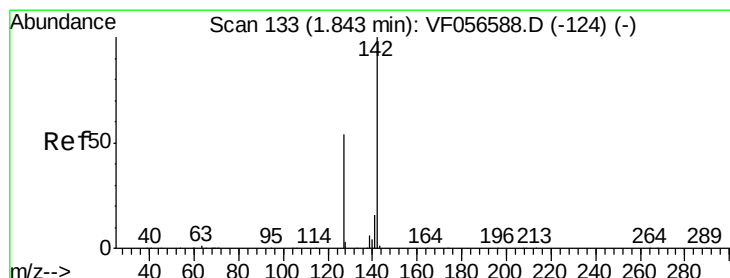
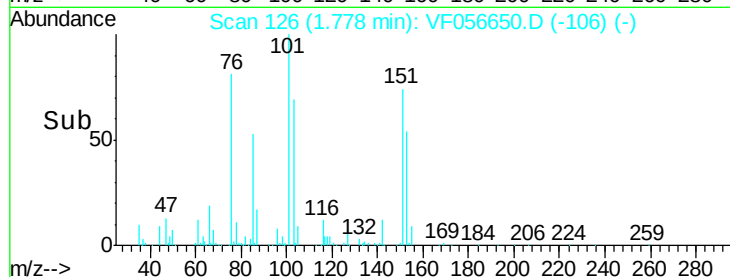
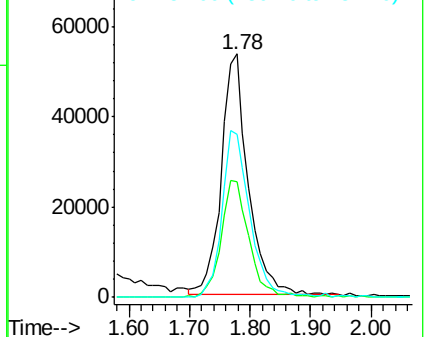
151 66.8 56.6 85.0



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: 23.86 ug/l

RT: 1.81 min Scan# 129

Delta R.T. -0.04 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

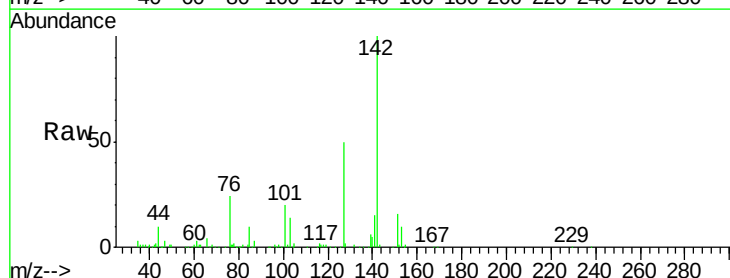
Tgt Ion:142 Resp: 138309

Ion Ratio Lower Upper

142 100

127 50.4 43.4 65.0

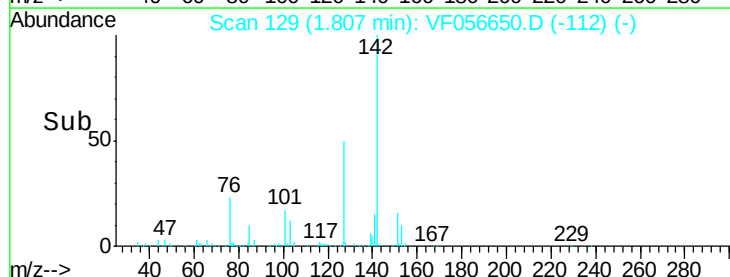
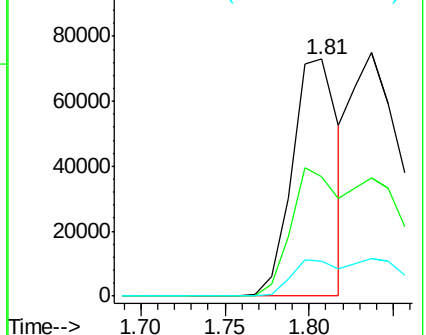
141 14.6 13.0 19.4

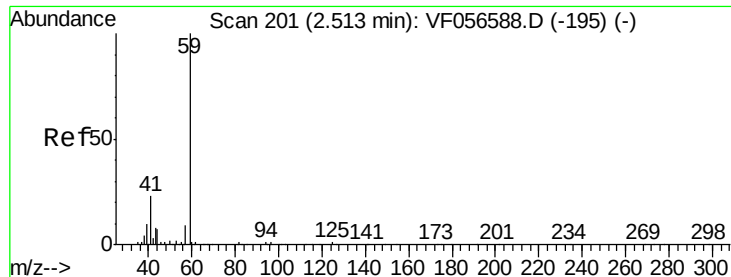


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

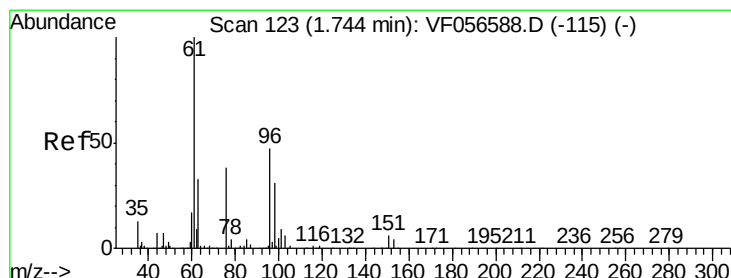
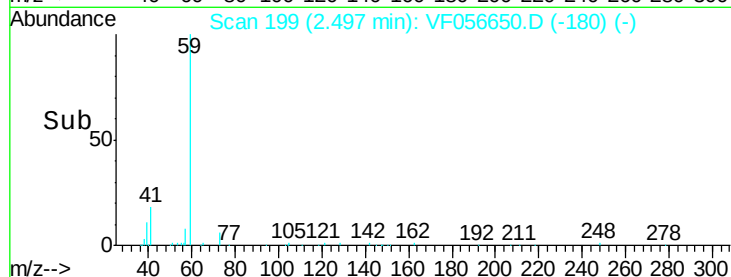
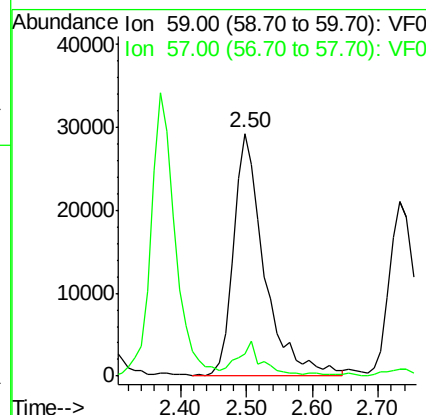
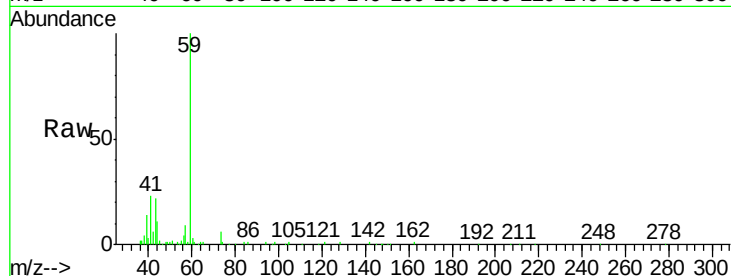




#11
Tert butyl alcohol
Concen: 266.95 ug/l
RT: 2.50 min Scan# 199
Delta R.T. -0.02 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

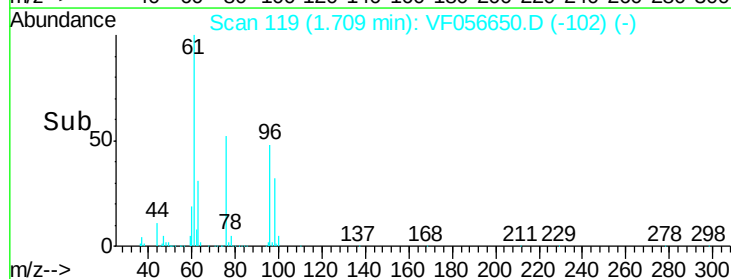
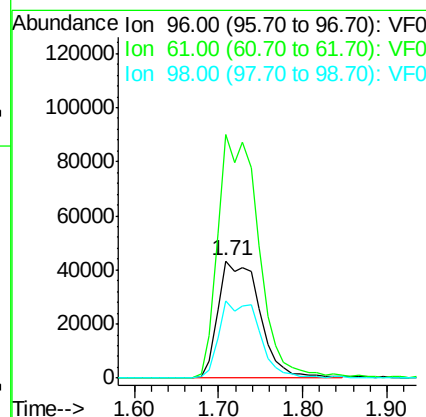
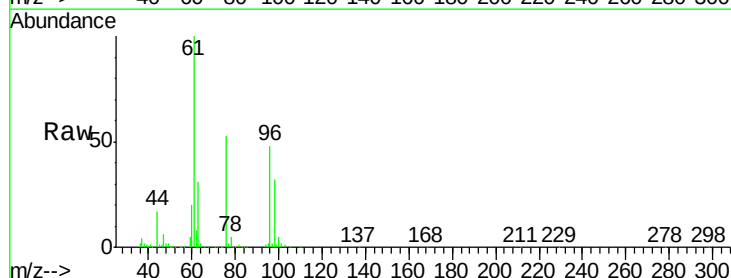
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

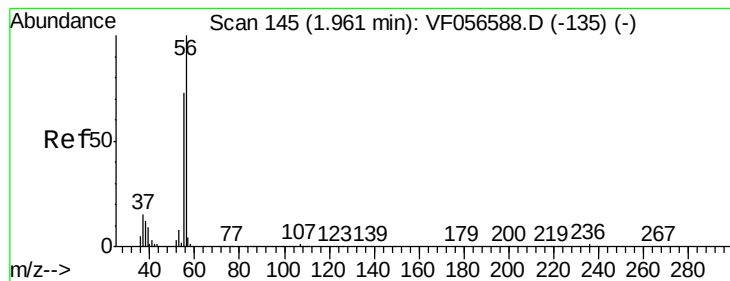
Tgt Ion: 59 Resp: 96018
Ion Ratio Lower Upper
59 100
57 9.2 10.3 15.5#



#12
1,1-Dichloroethene
Concen: 51.61 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.04 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion: 96 Resp: 147854
Ion Ratio Lower Upper
96 100
61 208.0 168.8 253.2
98 66.5 52.2 78.4





#13

Acrolein

Concen: 219.68 ug/l

RT: 1.95 min Scan# 143

Delta R.T. -0.02 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

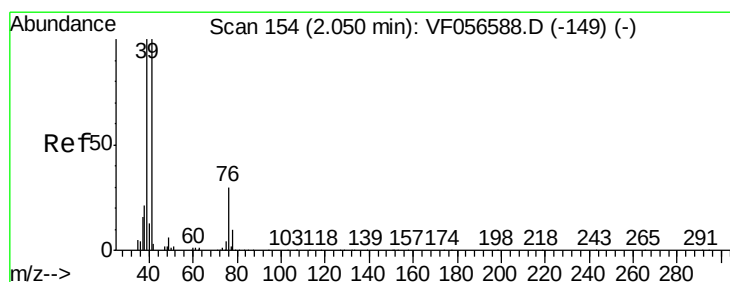
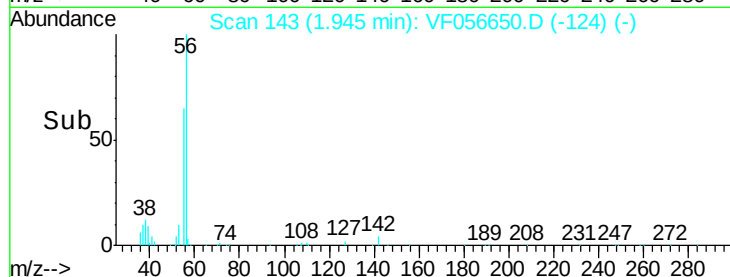
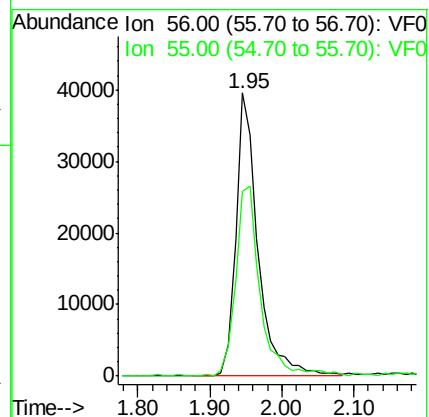
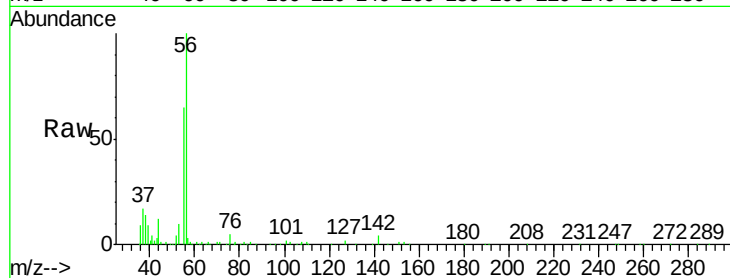
VSTDCCC050

Tgt Ion: 56 Resp: 84584

Ion Ratio Lower Upper

56 100

55 65.2 58.6 88.0



#14

Allyl chloride

Concen: 51.88 ug/l

RT: 2.04 min Scan# 153

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

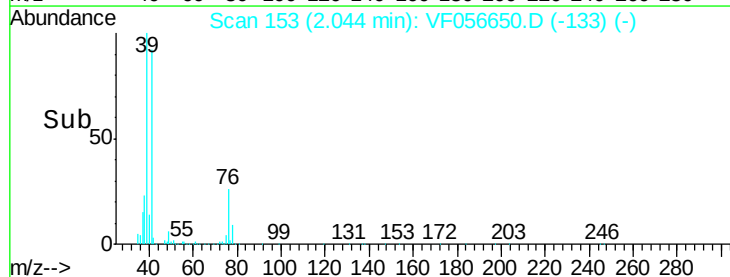
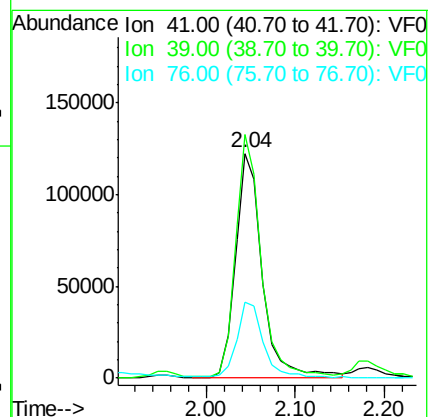
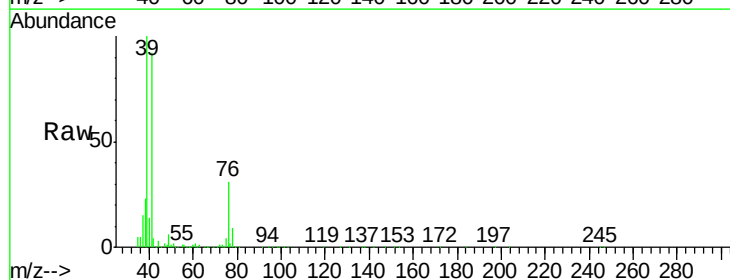
Tgt Ion: 41 Resp: 255508

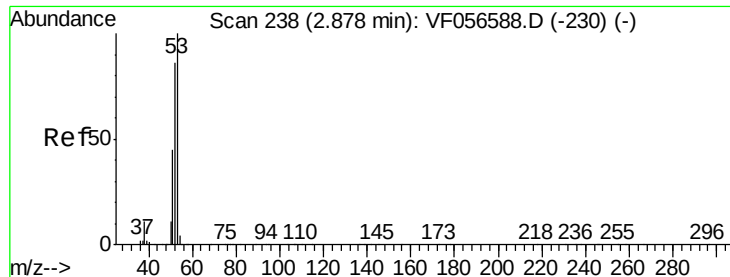
Ion Ratio Lower Upper

41 100

39 108.2 79.8 119.6

76 34.0 25.4 38.2





#15

Acrylonitrile

Concen: 247.75 ug/l

RT: 2.86 min Scan# 236

Delta R.T. -0.02 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

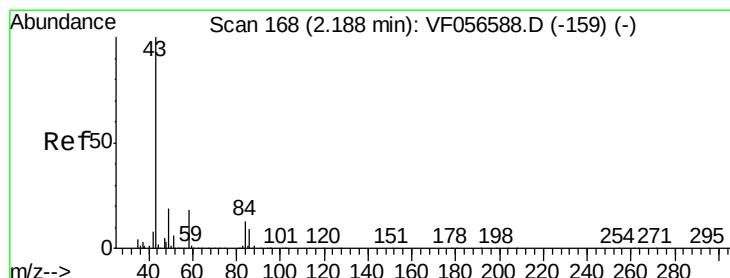
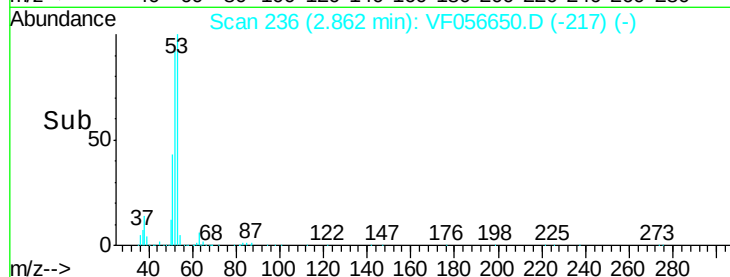
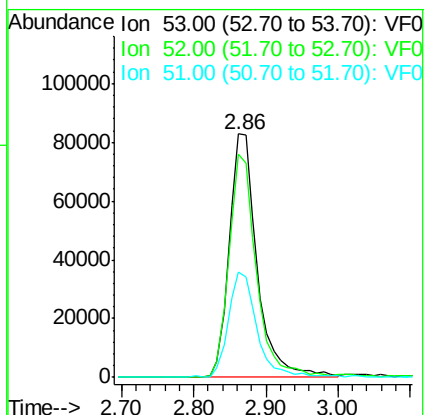
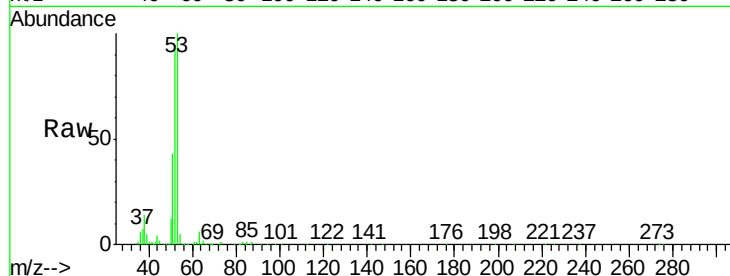
Tgt Ion: 53 Resp: 224561

Ion Ratio Lower Upper

53 100

52 91.7 68.4 102.6

51 43.4 35.8 53.6



#16

Acetone

Concen: 291.31 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF056650.D

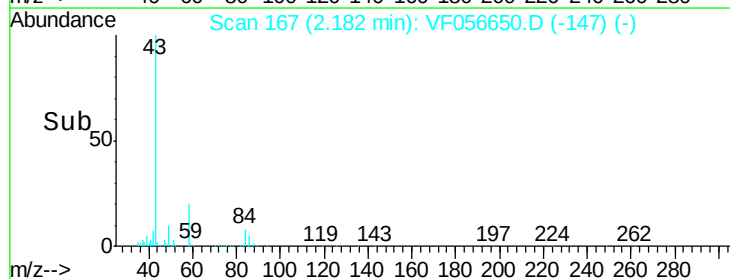
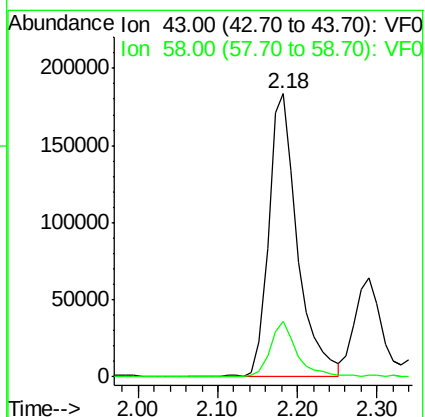
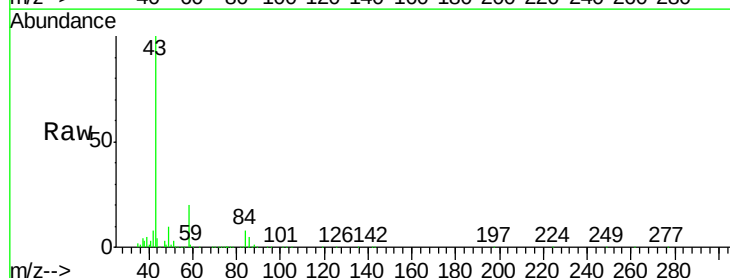
Acq: 23 Feb 2018 11:24

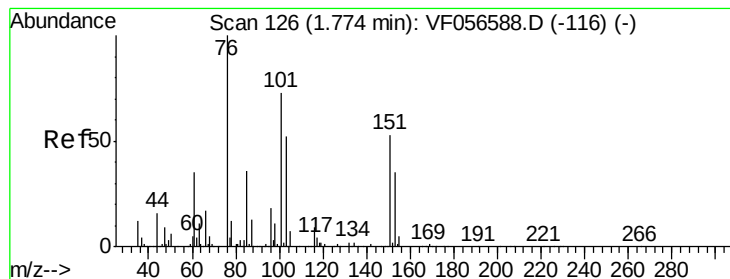
Tgt Ion: 43 Resp: 456856

Ion Ratio Lower Upper

43 100

58 19.5 14.7 22.1





#17

Carbon Disulfide

Concen: 55.00 ug/l

RT: 1.72 min Scan# 120

Delta R.T. -0.06 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

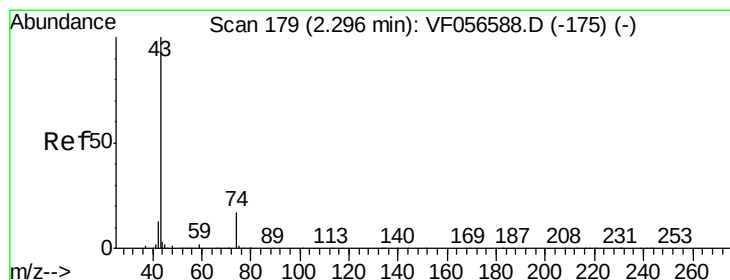
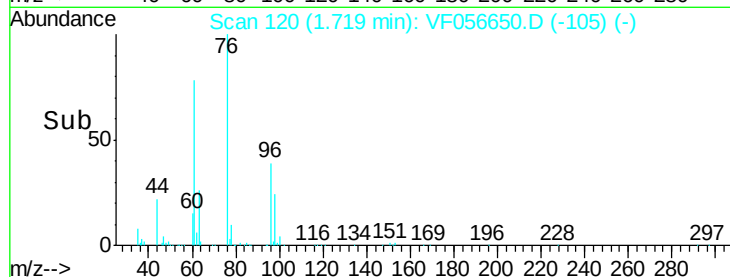
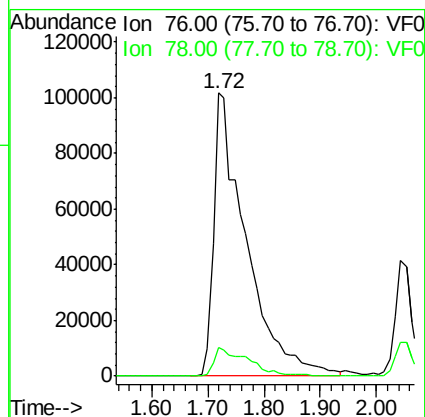
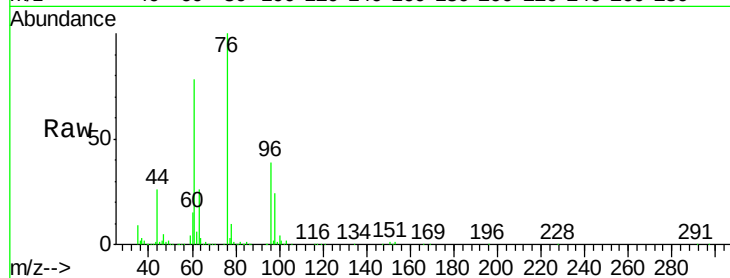
VSTDCCC050

Tgt Ion: 76 Resp: 410855

Ion Ratio Lower Upper

76 100

78 10.3 9.5 14.3



#18

Methyl Acetate

Concen: 46.48 ug/l

RT: 2.29 min Scan# 178

Delta R.T. -0.01 min

Lab File: VF056650.D

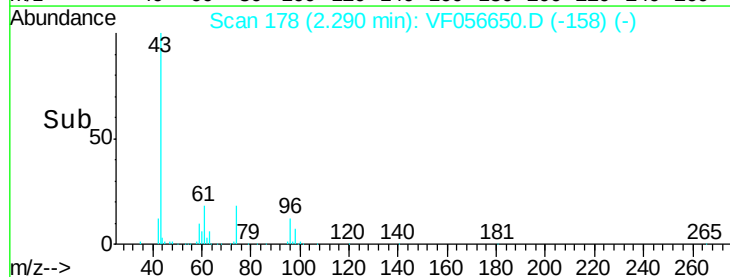
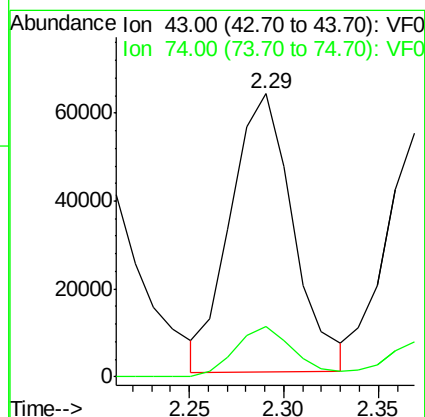
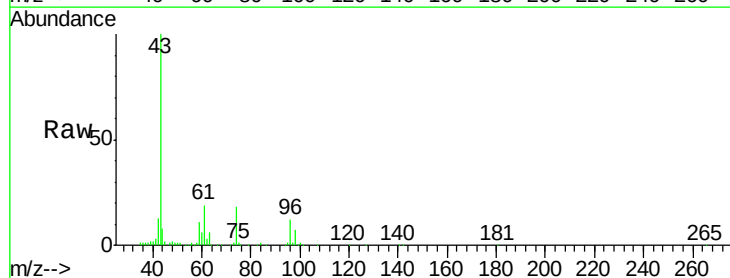
Acq: 23 Feb 2018 11:24

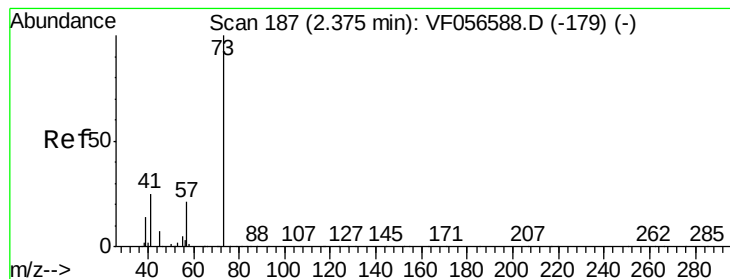
Tgt Ion: 43 Resp: 144961

Ion Ratio Lower Upper

43 100

74 17.8 12.0 18.0





#19

Methyl tert-butyl Ether

Concen: 51.63 ug/l

RT: 2.37 min Scan# 186

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

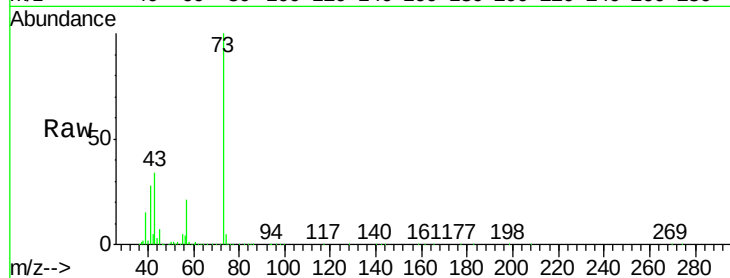
VSTDCCC050

Tgt Ion: 73 Resp: 437398

Ion Ratio Lower Upper

73 100

57 20.8 16.7 25.1



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.37

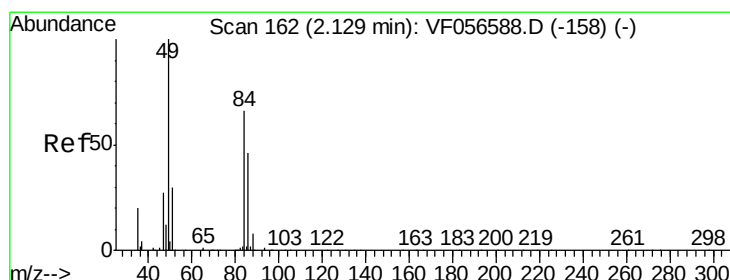
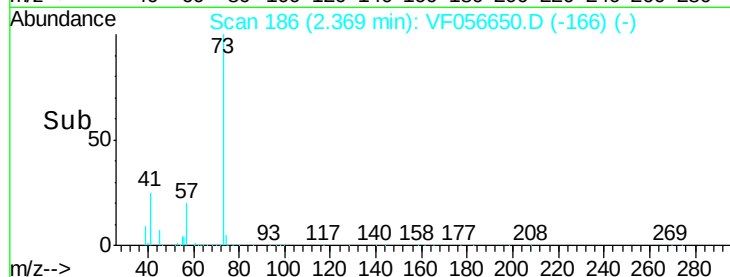
150000

100000

50000

0

Time--> 2.20 2.30 2.40 2.50 2.60



#20

Methylene Chloride

Concen: 52.61 ug/l

RT: 2.13 min Scan# 162

Delta R.T. 0.00 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion: 84 Resp: 157065

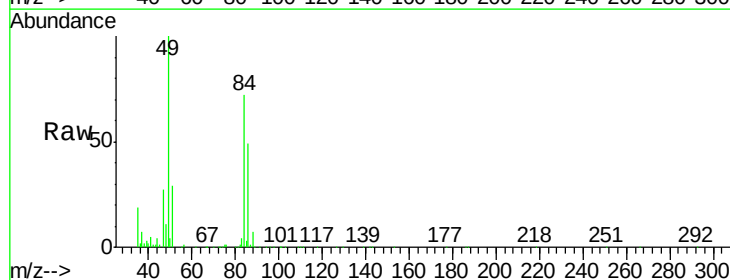
Ion Ratio Lower Upper

84 100

49 138.0 121.4 182.0

51 39.4 37.1 55.7

86 68.3 55.5 83.3



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

100000

80000

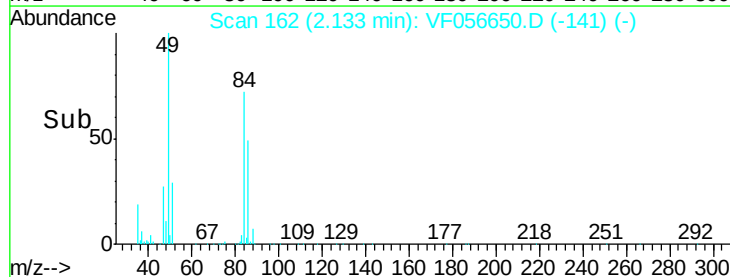
60000

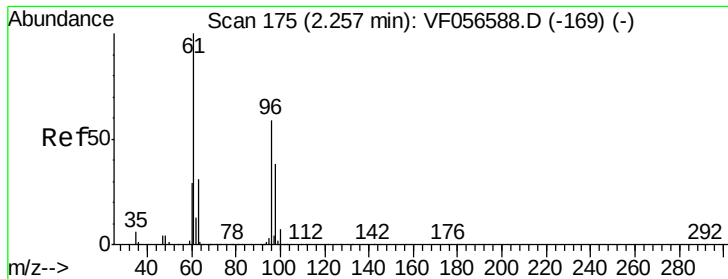
40000

20000

0

Time--> 2.00 2.10 2.20 2.30





#21

trans-1,2-Dichloroethene

Concen: 53.38 ug/l

RT: 2.26 min Scan# 175

Delta R.T. 0.00 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

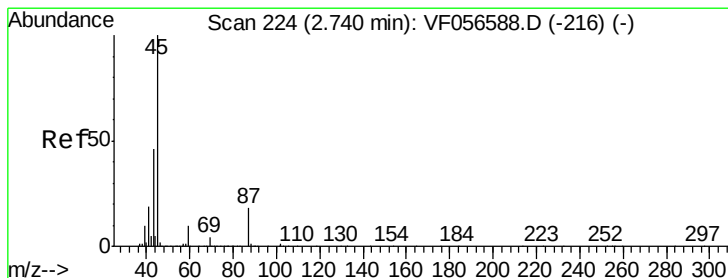
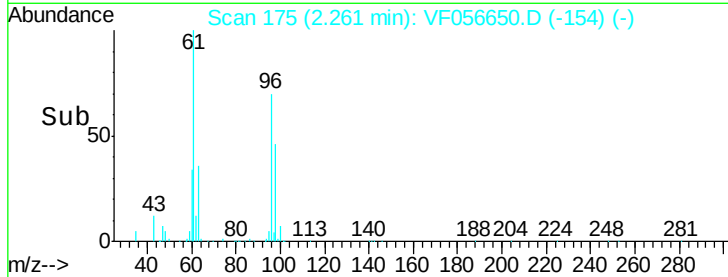
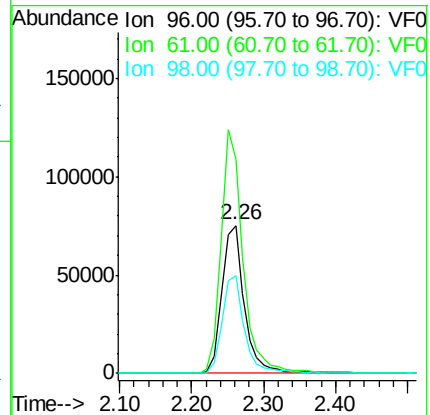
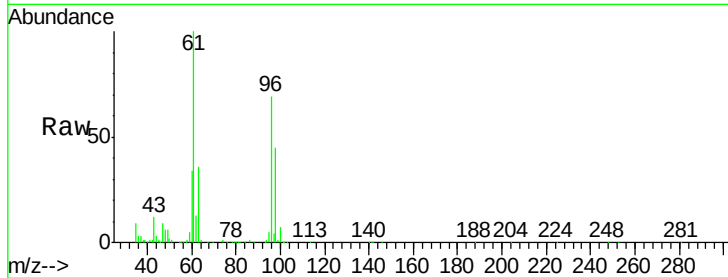
Tgt Ion: 96 Resp: 161109

Ion Ratio Lower Upper

96 100

61 144.9 136.4 204.6

98 65.9 51.4 77.0



#22

Diisopropyl ether

Concen: 50.18 ug/l

RT: 2.73 min Scan# 223

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion: 45 Resp: 553980

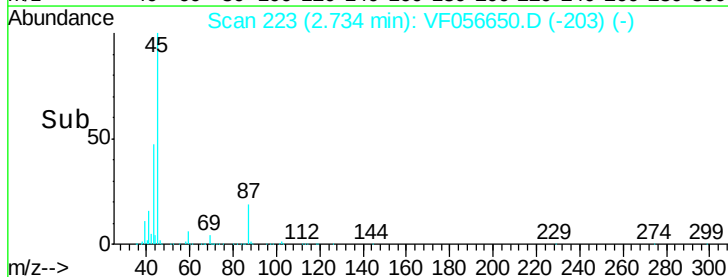
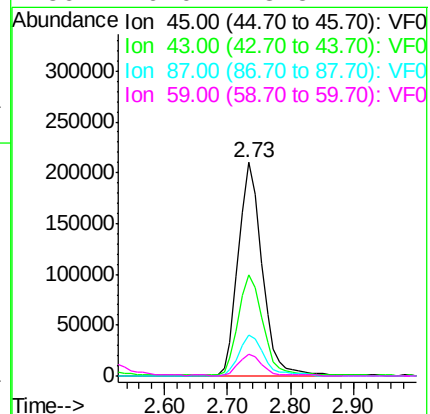
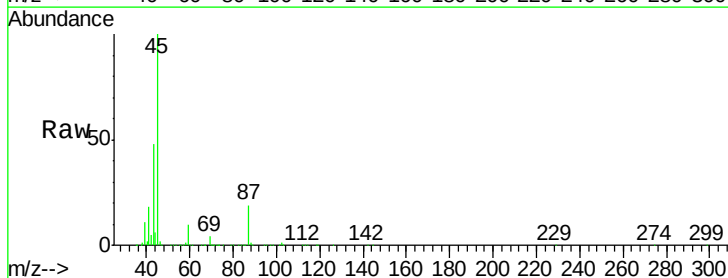
Ion Ratio Lower Upper

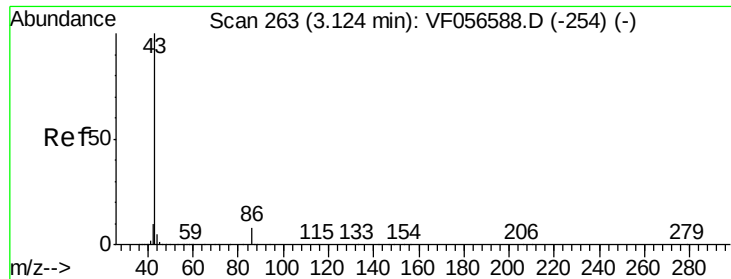
45 100

43 47.6 37.4 56.0

87 19.3 14.6 22.0

59 10.0 8.5 12.7





#23

Vinyl Acetate

Concen: 241.68 ug/l

RT: 3.11 min Scan# 261

Delta R.T. -0.02 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

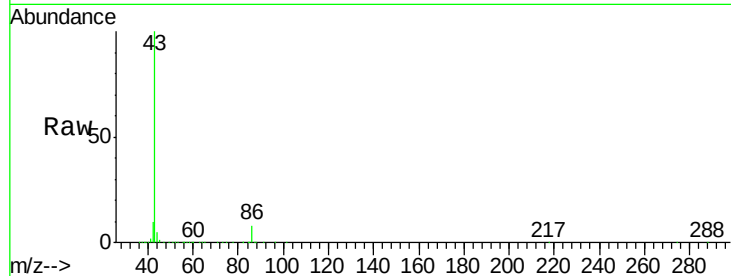
VSTDCCC050

Tgt Ion: 43 Resp: 2170836

Ion Ratio Lower Upper

43 100

86 7.6 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.11

800000

600000

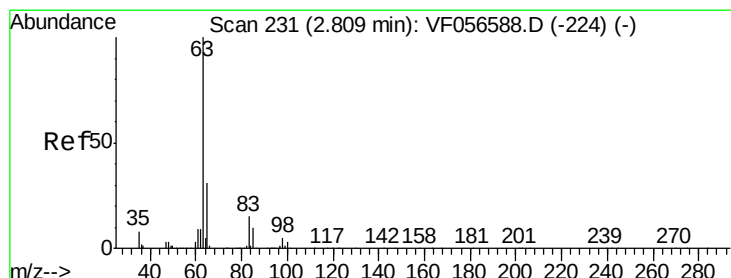
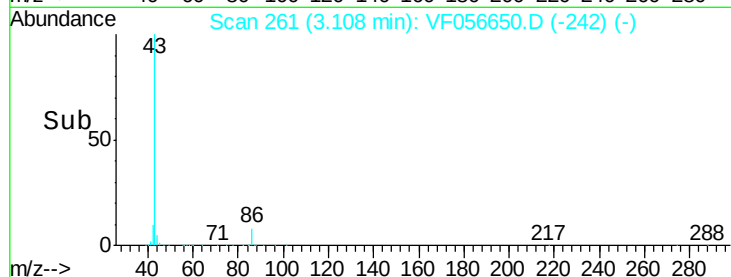
400000

200000

0

Time-->

3.00 3.10 3.20 3.30



#24

1,1-Dichloroethane

Concen: 53.34 ug/l

RT: 2.80 min Scan# 230

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

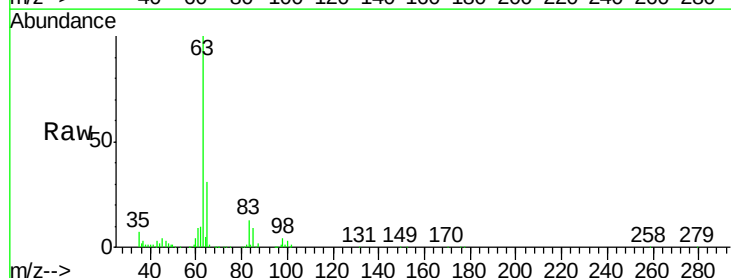
Tgt Ion: 63 Resp: 325260

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.8

100 2.7 1.6 4.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.80

150000

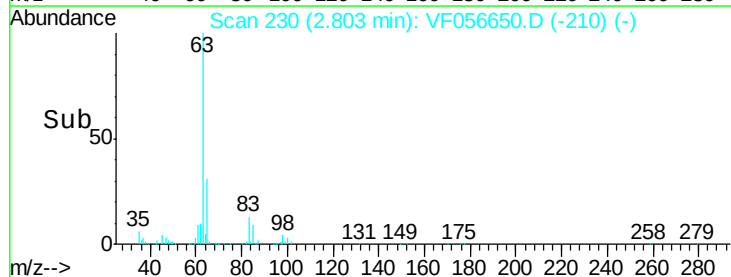
100000

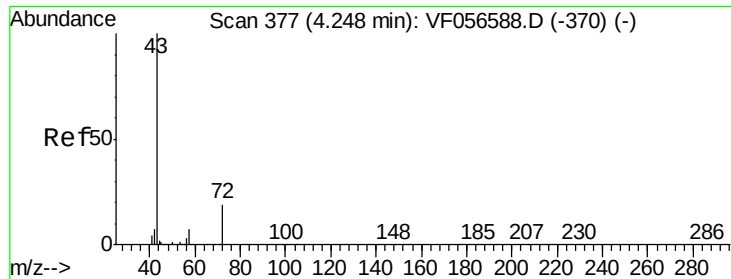
50000

0

Time-->

2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 217.82 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.02 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

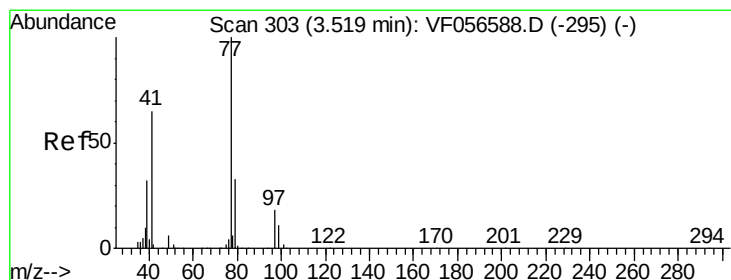
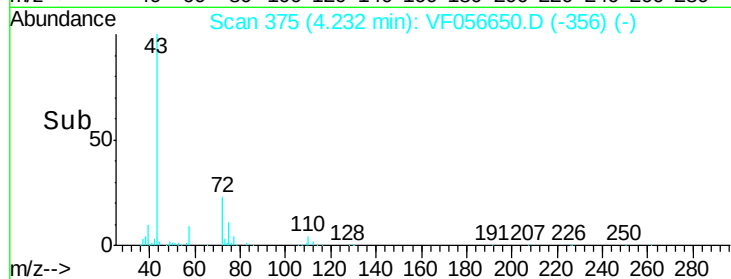
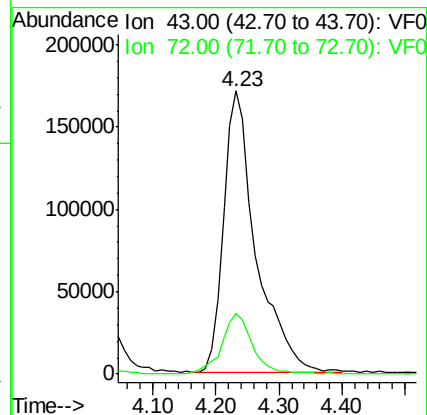
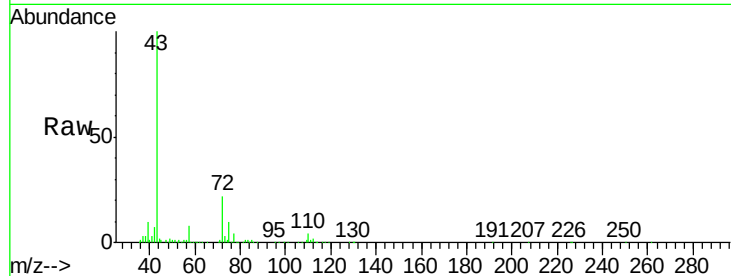
VSTDCCC050

Tgt Ion: 43 Resp: 607461

Ion Ratio Lower Upper

43 100

72 21.6 16.5 24.7



#26

2,2-Dichloropropane

Concen: 58.74 ug/l

RT: 3.52 min Scan# 303

Delta R.T. 0.00 min

Lab File: VF056650.D

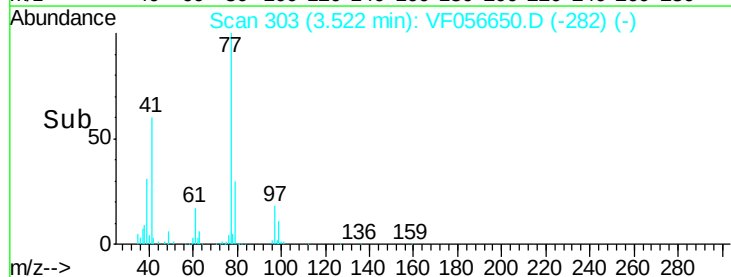
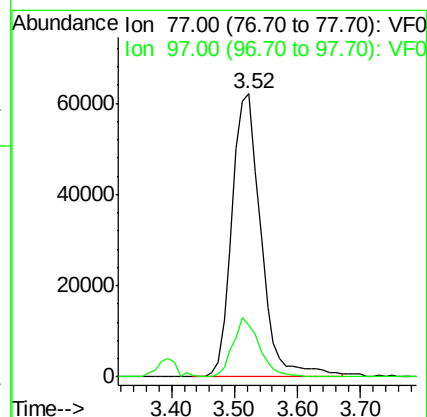
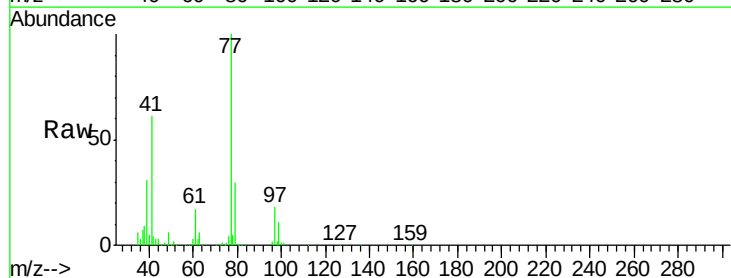
Acq: 23 Feb 2018 11:24

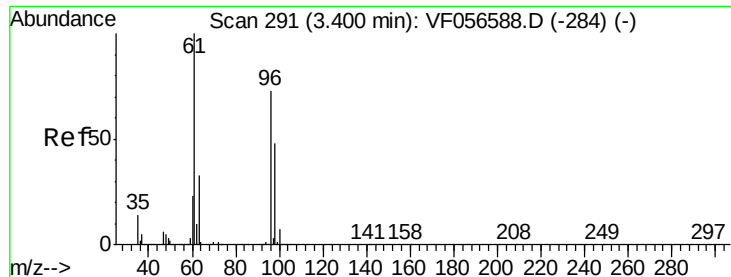
Tgt Ion: 77 Resp: 198232

Ion Ratio Lower Upper

77 100

97 18.4 9.8 29.5





#27

cis-1,2-Dichloroethene

Concen: 48.76 ug/l

RT: 3.39 min Scan# 290

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

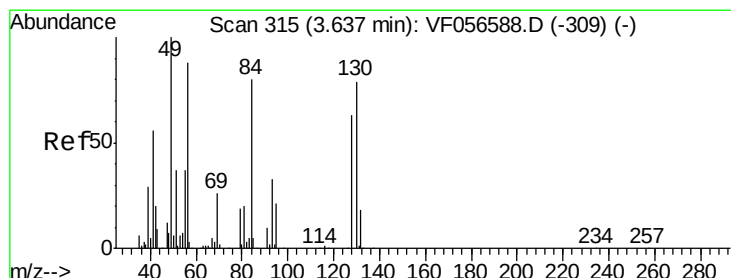
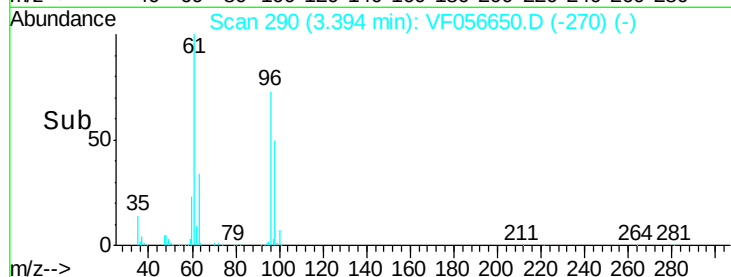
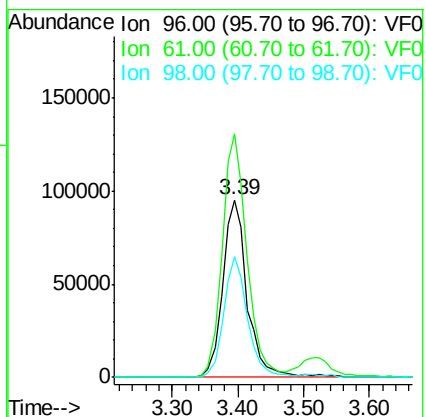
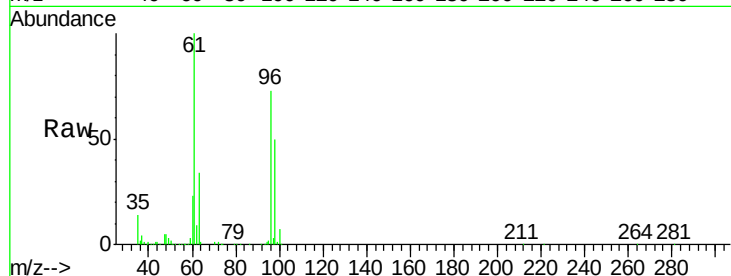
Tgt Ion: 96 Resp: 247262

Ion Ratio Lower Upper

96 100

61 137.1 0.0 272.6

98 68.3 0.0 131.6



#28

Bromochloromethane

Concen: 48.62 ug/l

RT: 3.63 min Scan# 314

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

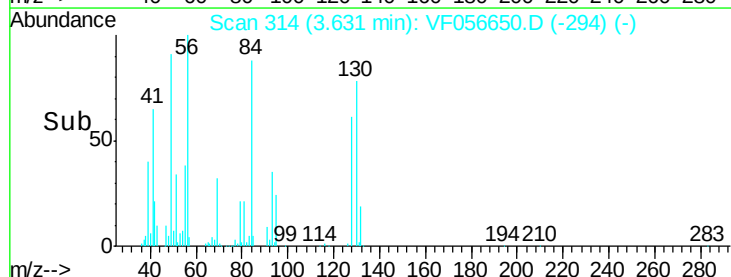
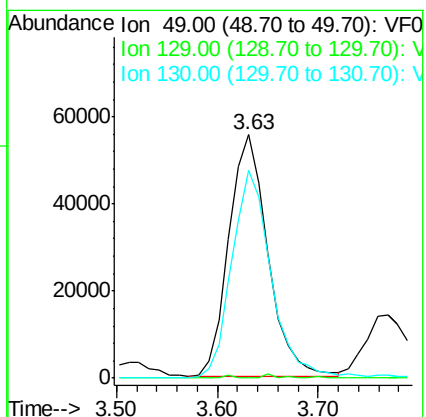
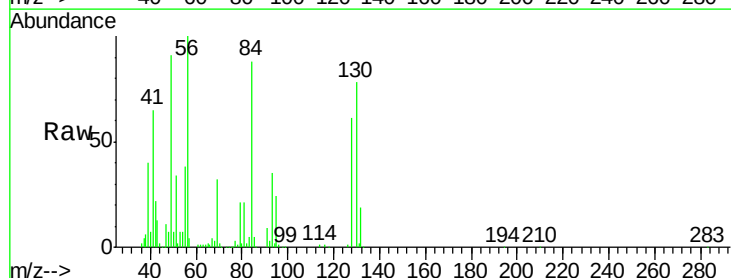
Tgt Ion: 49 Resp: 150458

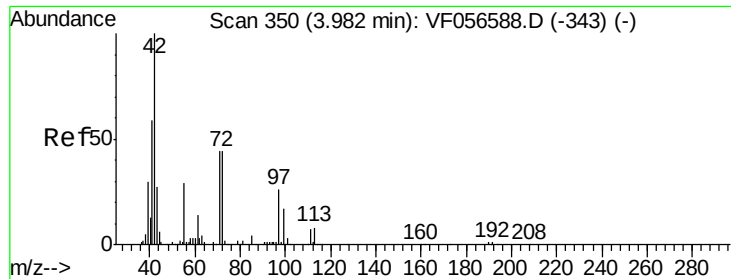
Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

130 85.4 63.4 95.0





#29

Tetrahydrofuran

Concen: 213.70 ug/l

RT: 3.98 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

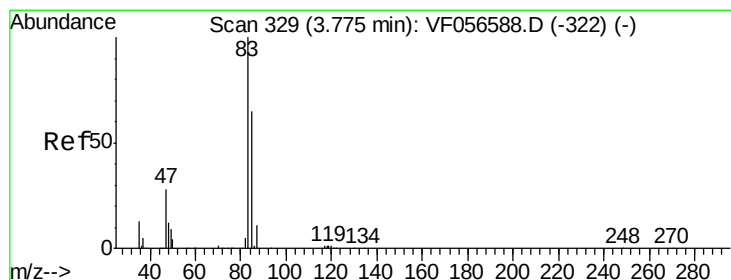
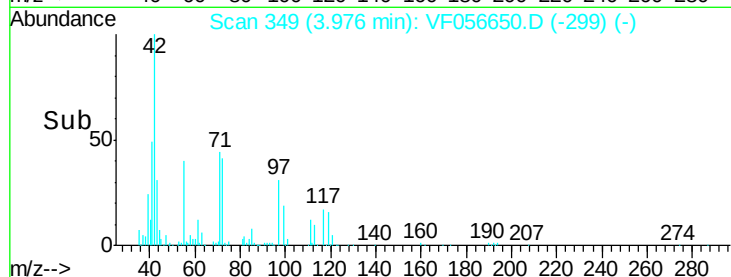
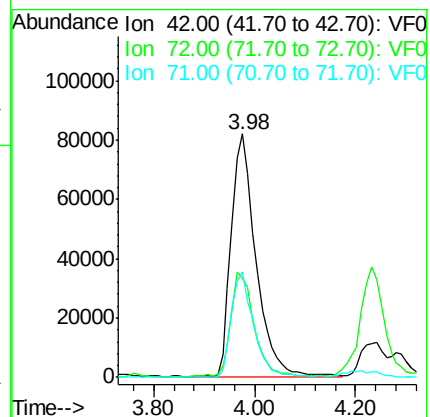
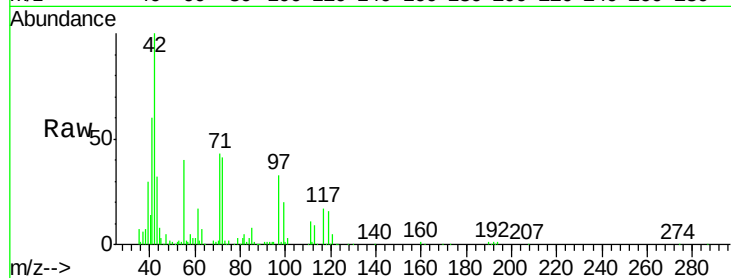
Tgt Ion: 42 Resp: 275951

Ion Ratio Lower Upper

42 100

72 42.1 34.1 51.1

71 39.5 32.8 49.2



#30

Chloroform

Concen: 50.05 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF056650.D

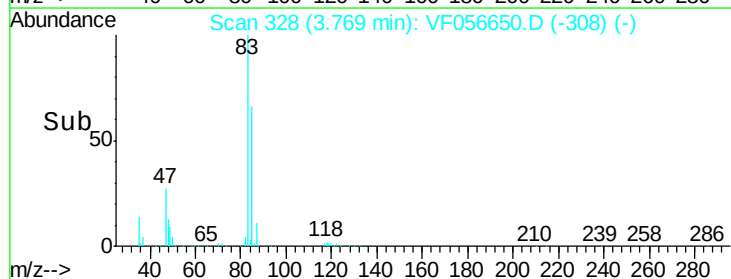
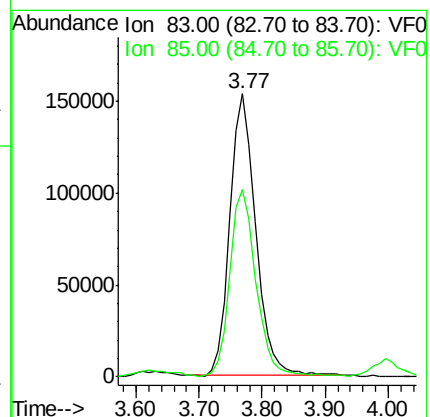
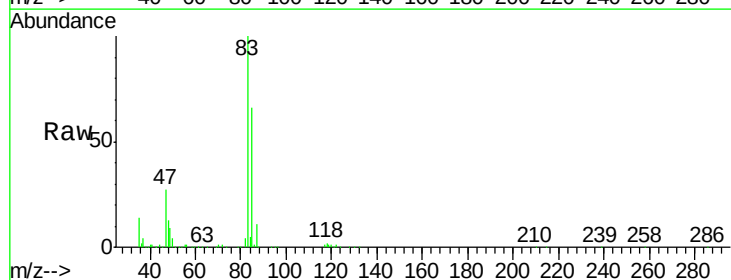
Acq: 23 Feb 2018 11:24

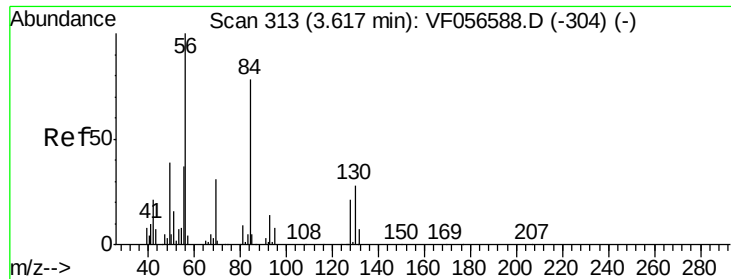
Tgt Ion: 83 Resp: 436822

Ion Ratio Lower Upper

83 100

85 66.0 52.1 78.1

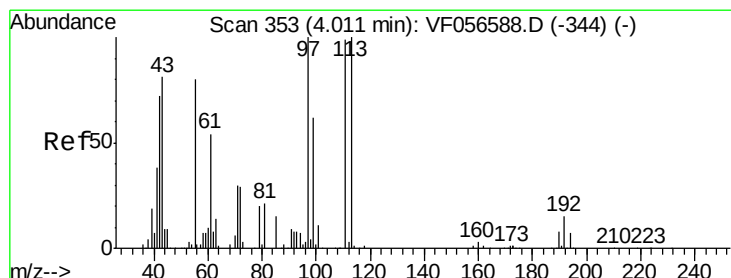
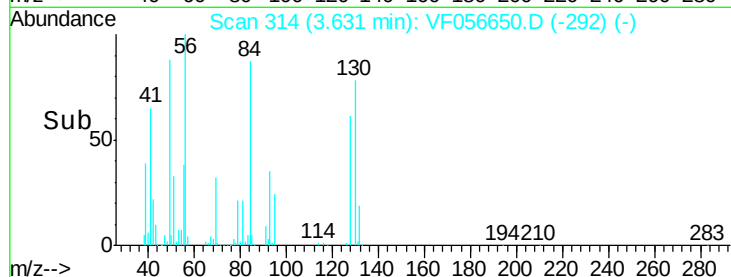
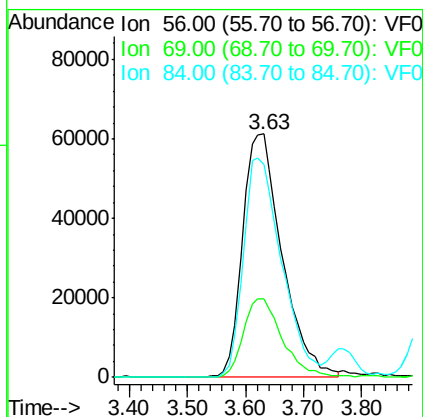
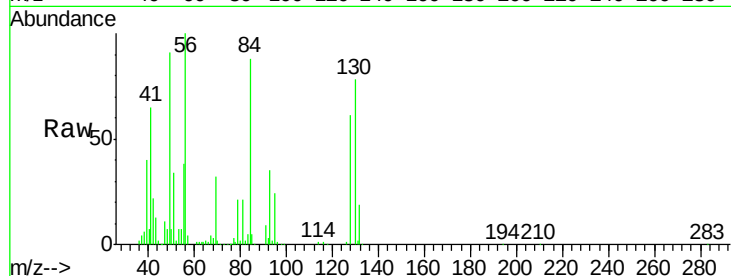




#31
Cyclohexane
Concen: 44.49 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

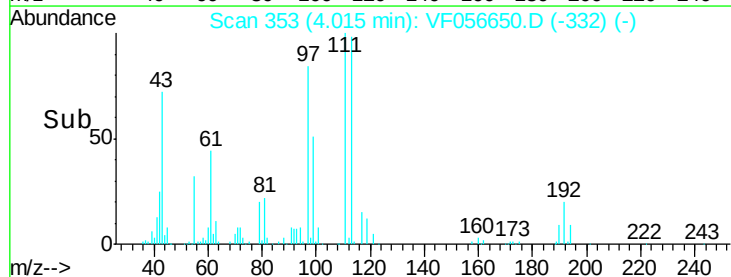
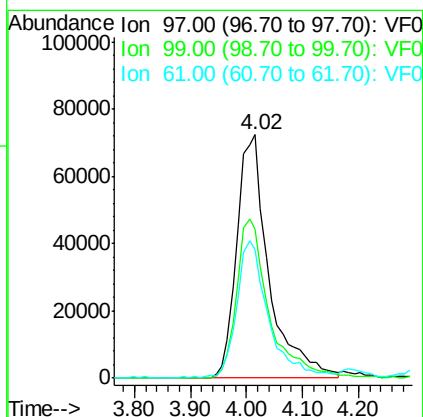
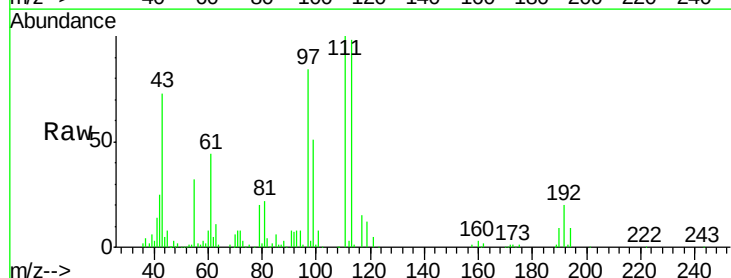
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

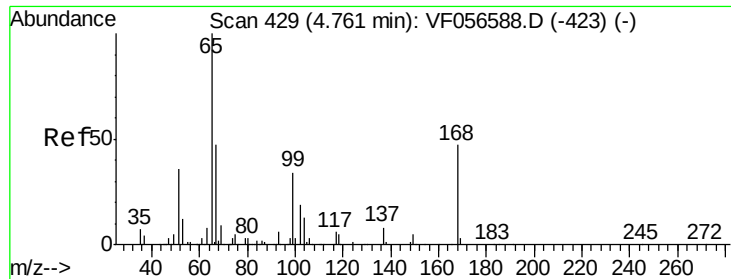
Tgt Ion: 56 Resp: 291415
Ion Ratio Lower Upper
56 100
69 32.3 24.7 37.1
84 87.6 62.9 94.3



#32
1,1,1-Trichloroethane
Concen: 54.70 ug/l
RT: 4.02 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion: 97 Resp: 289232
Ion Ratio Lower Upper
97 100
99 61.0 49.4 74.2
61 52.5 43.9 65.9





#33

1,2-Dichloroethane-d4

Concen: 51.58 ug/l

RT: 4.75 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

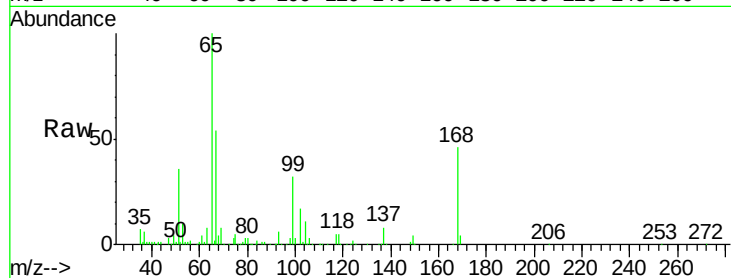
VSTDCCC050

Tgt Ion: 65 Resp: 274846

Ion Ratio Lower Upper

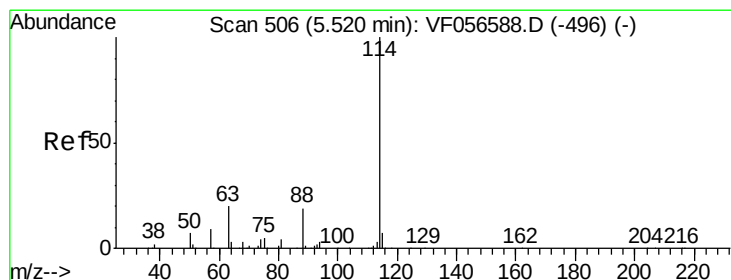
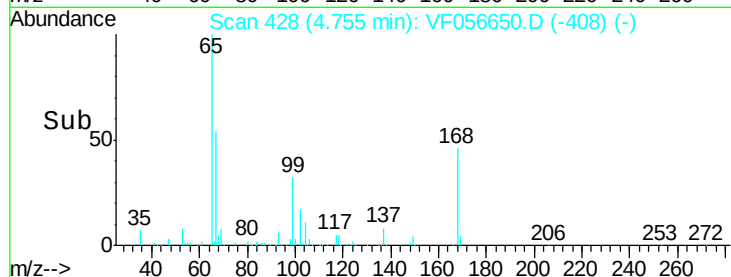
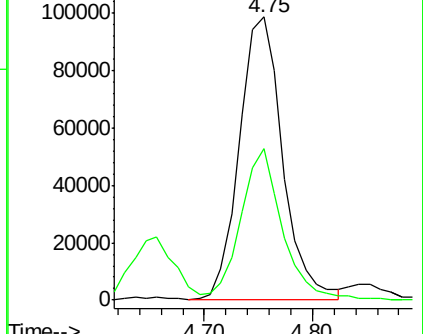
65 100

67 53.5 0.0 103.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.51 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

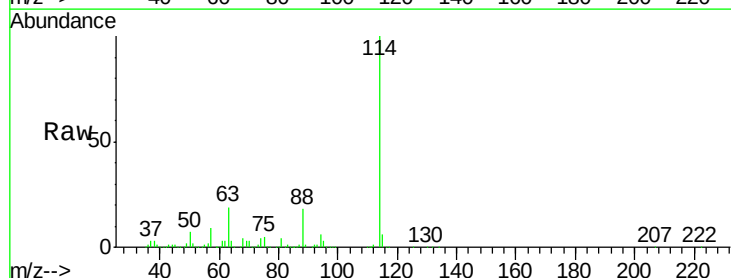
Tgt Ion: 114 Resp: 693326

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.6

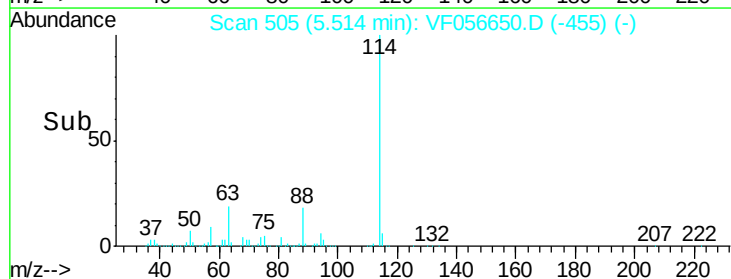
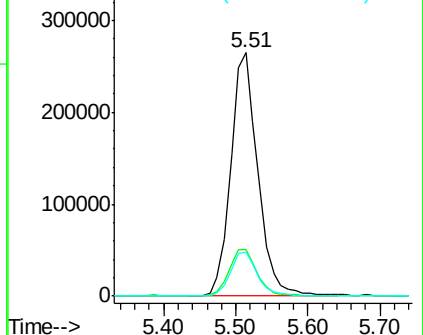
88 18.3 0.0 37.8

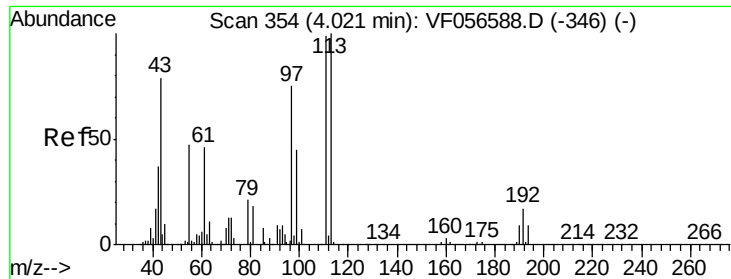


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 51.14 ug/l

RT: 4.02 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

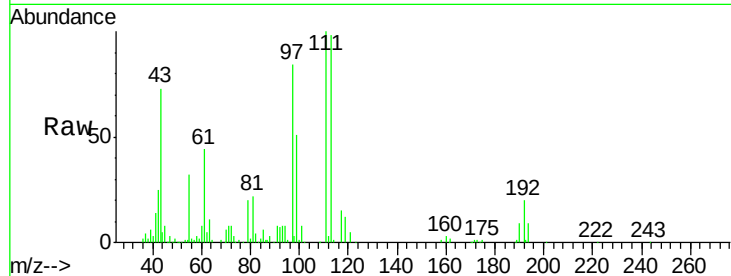
Tgt Ion: 113 Resp: 266666

Ion Ratio Lower Upper

113 100

111 101.9 79.1 118.7

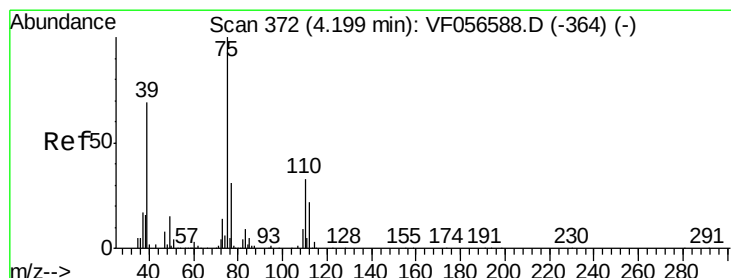
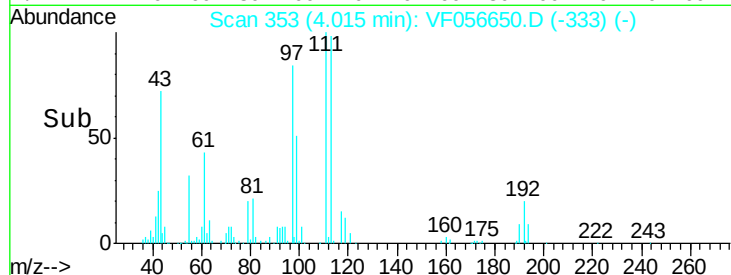
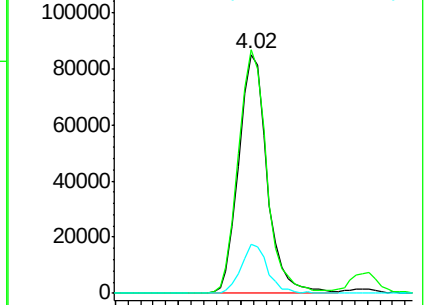
192 20.5 13.9 20.9



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 48.93 ug/l

RT: 4.19 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

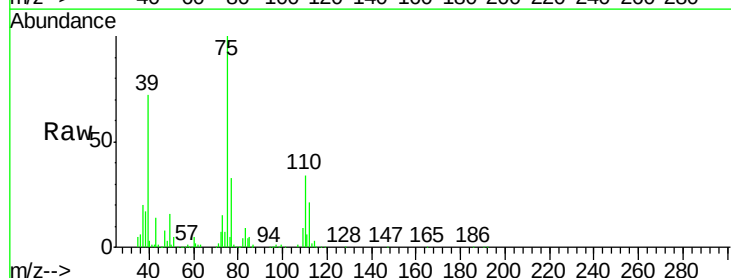
Tgt Ion: 75 Resp: 319435

Ion Ratio Lower Upper

75 100

110 34.3 16.6 49.7

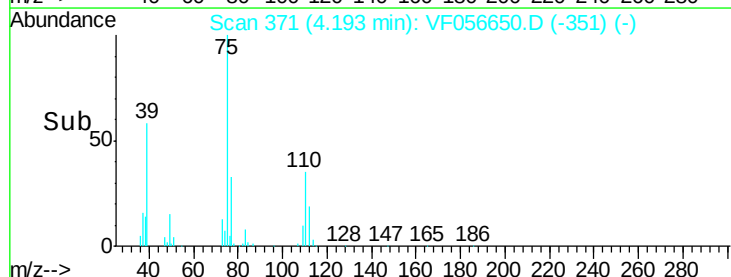
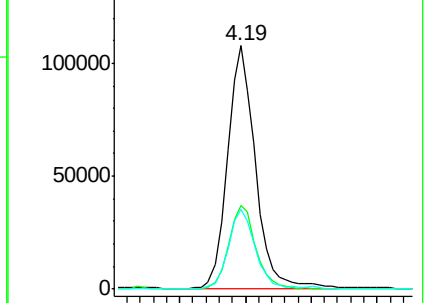
77 32.7 24.5 36.7

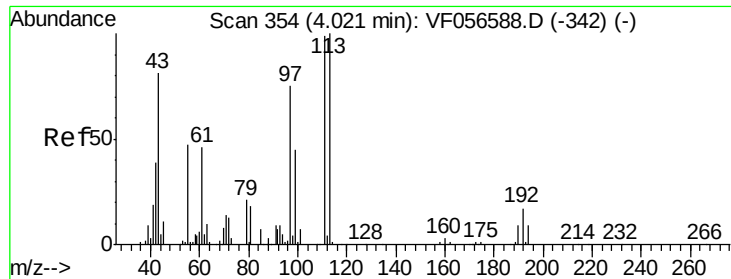


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 42.63 ug/l

RT: 4.02 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

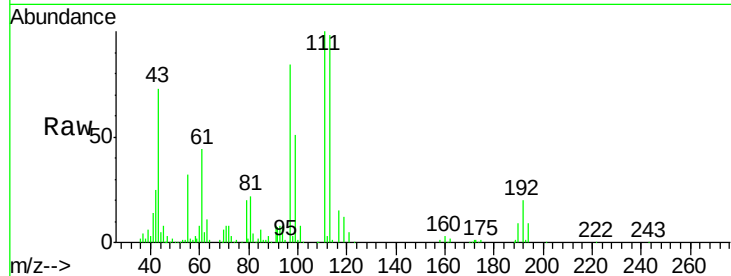
Tgt Ion: 43 Resp: 248847

Ion Ratio Lower Upper

43 100

61 60.3 45.4 68.2

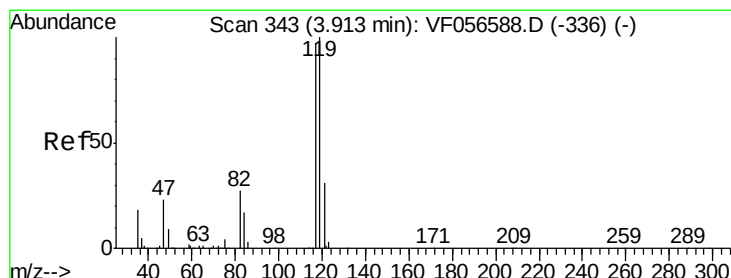
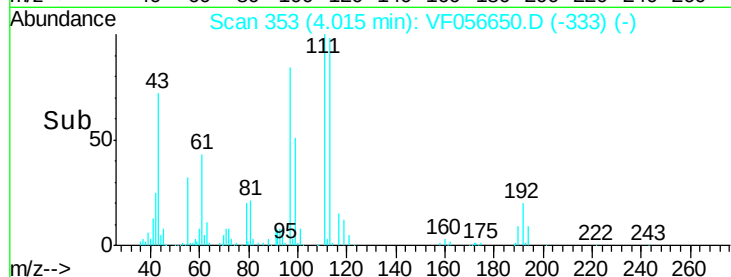
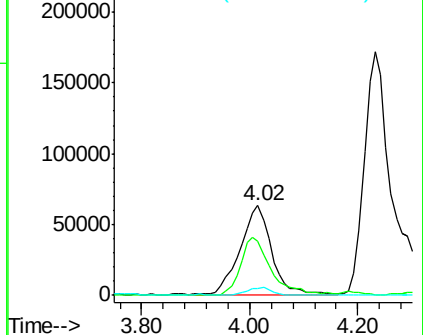
70 7.6 8.8 13.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 59.65 ug/l

RT: 3.91 min Scan# 342

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

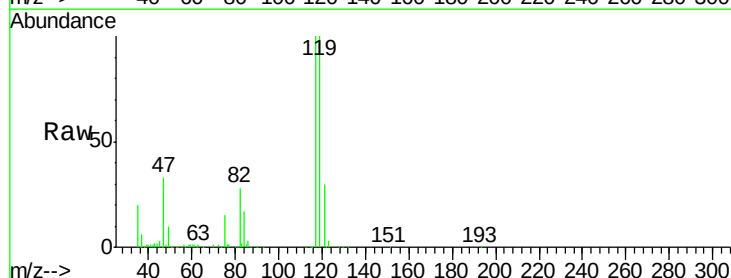
Tgt Ion: 117 Resp: 289877

Ion Ratio Lower Upper

117 100

119 99.9 82.2 123.4

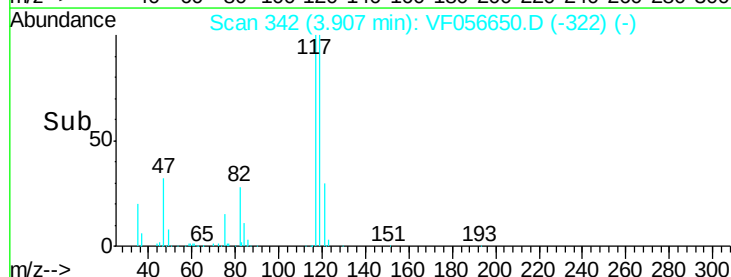
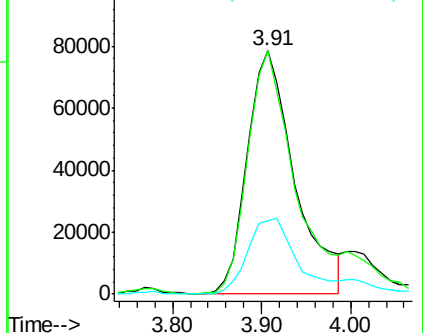
121 30.1 25.8 38.6

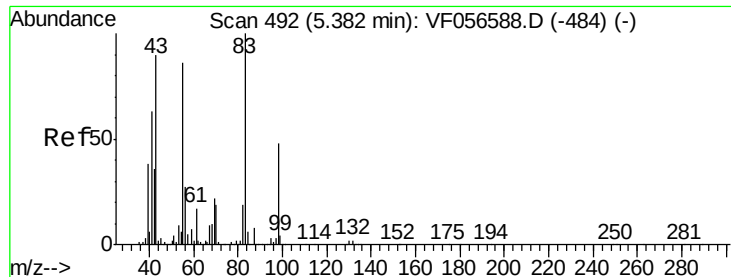


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

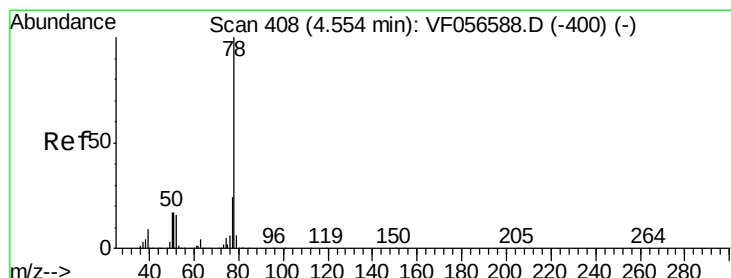
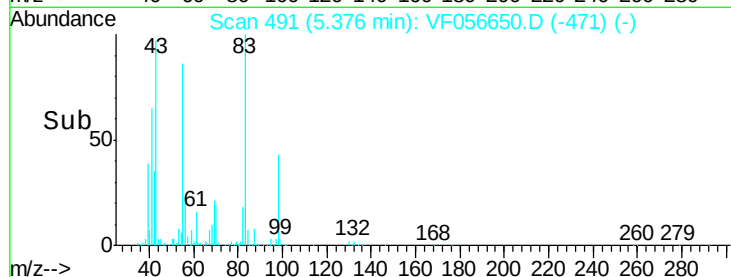
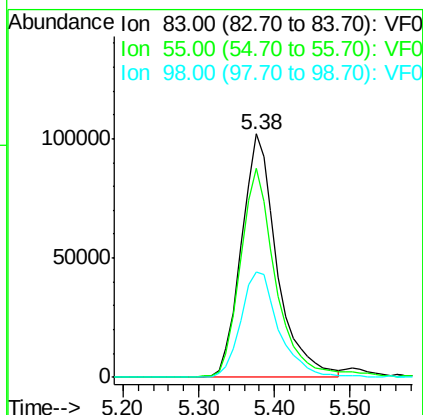
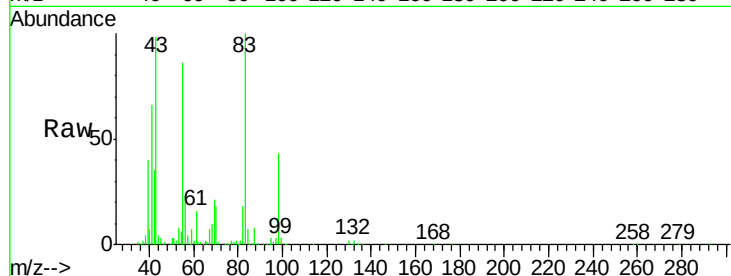




#39
Methylcyclohexane
Concen: 47.27 ug/l
RT: 5.38 min Scan# 491
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

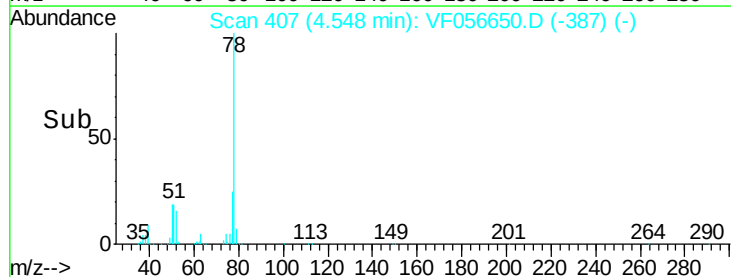
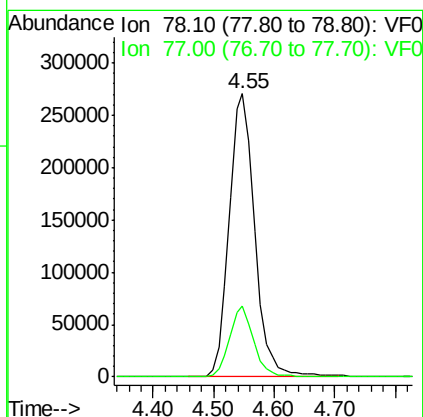
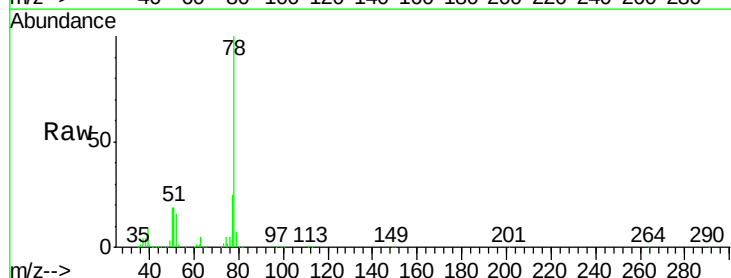
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

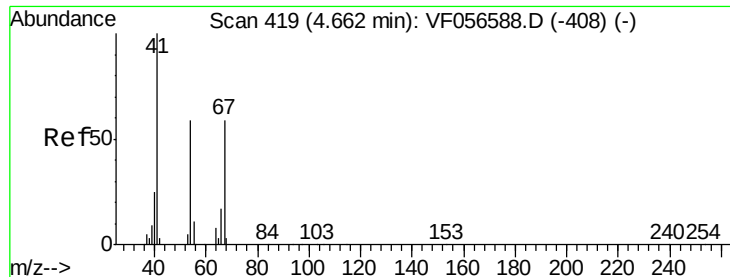
Tgt Ion: 83 Resp: 333735
Ion Ratio Lower Upper
83 100
55 86.0 68.7 103.1
98 43.1 38.0 57.0



#40
Benzene
Concen: 48.01 ug/l
RT: 4.55 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion: 78 Resp: 794860
Ion Ratio Lower Upper
78 100
77 25.2 19.0 28.6

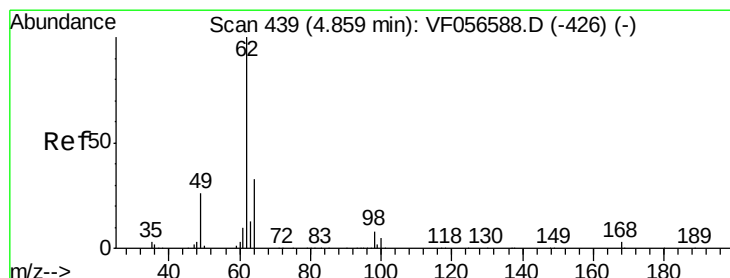
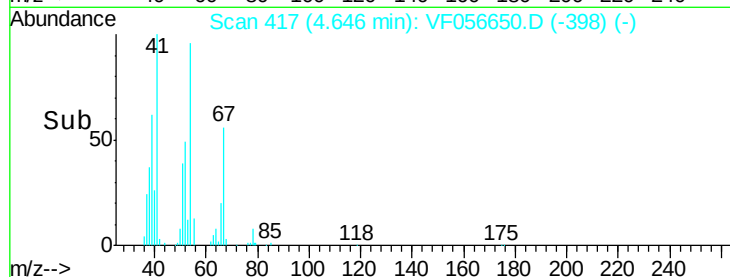
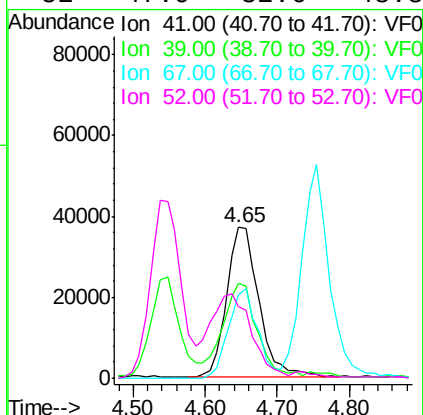
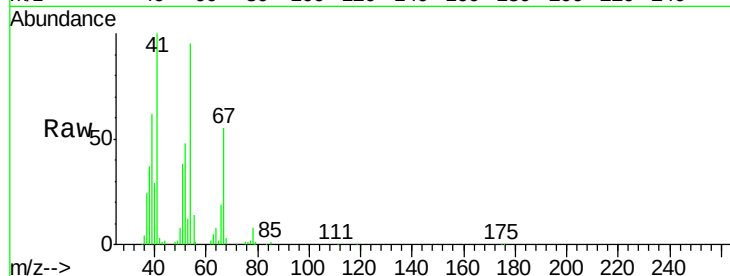




#41
Methacrylonitrile
Concen: 40.59 ug/l
RT: 4.65 min Scan# 417
Delta R.T. -0.02 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

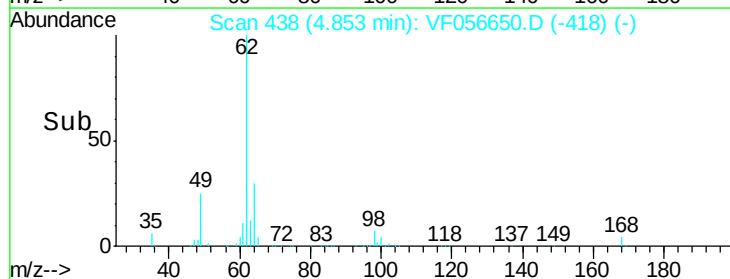
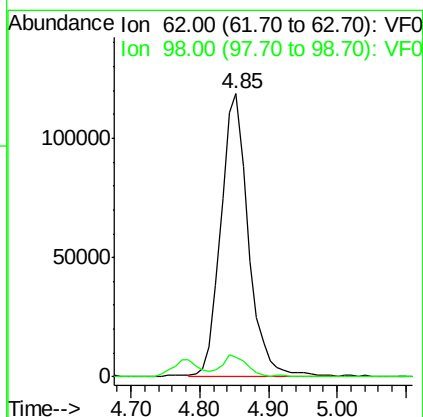
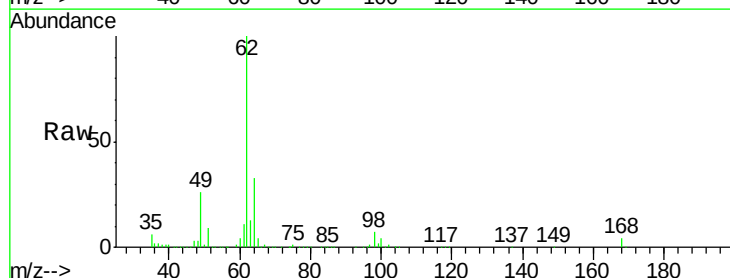
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

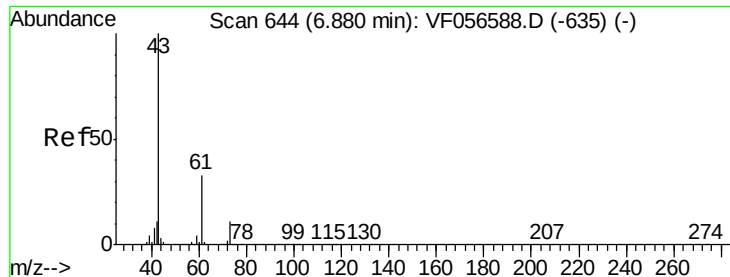
Tgt Ion:	41	Resp:	115004
Ion	Ratio	Lower	Upper
41	100		
39	62.4	48.2	72.4
67	55.3	46.9	70.3
52	47.9	32.6	48.8



#42
1,2-Dichloroethane
Concen: 50.38 ug/l
RT: 4.85 min Scan# 438
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion:	62	Resp:	324197
Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	17.0





#43

Isopropyl Acetate

Concen: 45.68 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

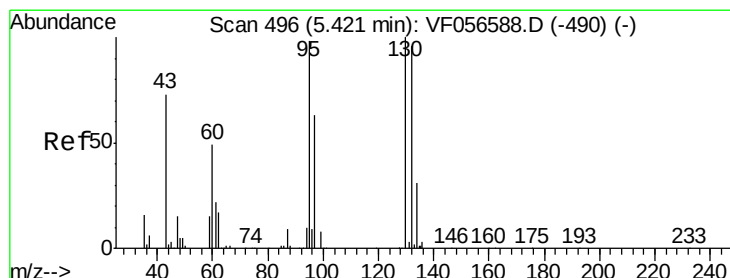
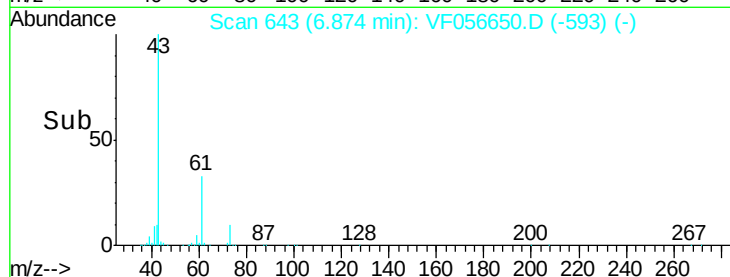
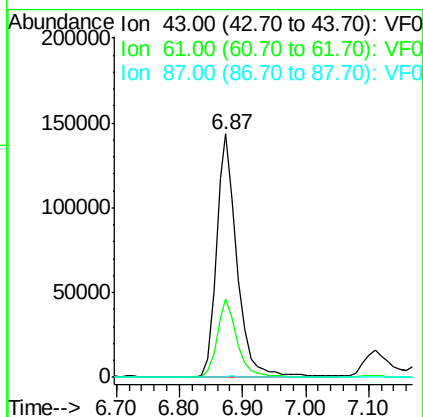
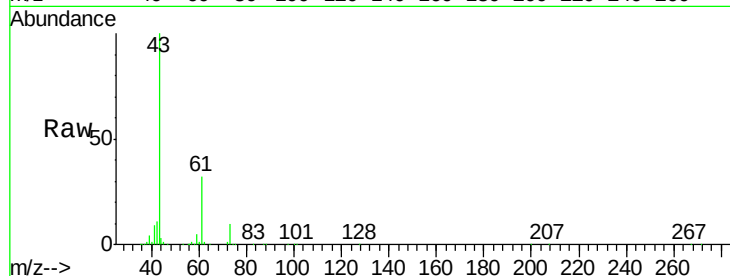
Tgt Ion: 43 Resp: 326870

Ion Ratio Lower Upper

43 100

61 32.5 26.5 39.7

87 0.2 0.2 0.4



#44

Trichloroethene

Concen: 48.22 ug/l

RT: 5.42 min Scan# 495

Delta R.T. -0.01 min

Lab File: VF056650.D

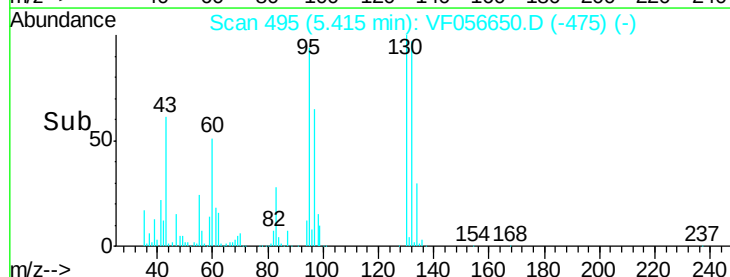
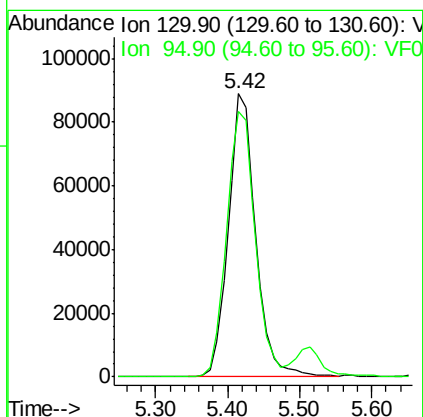
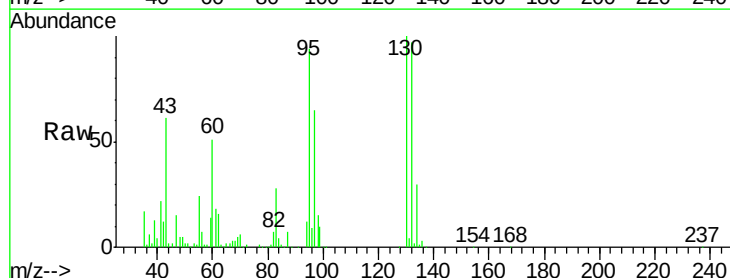
Acq: 23 Feb 2018 11:24

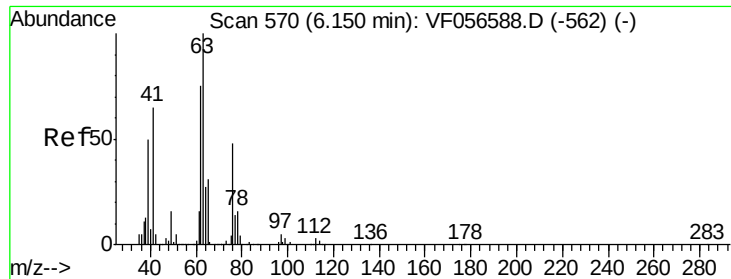
Tgt Ion: 130 Resp: 234241

Ion Ratio Lower Upper

130 100

95 94.0 0.0 195.8





#45

1,2-Dichloropropane

Concen: 47.82 ug/l

RT: 6.14 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

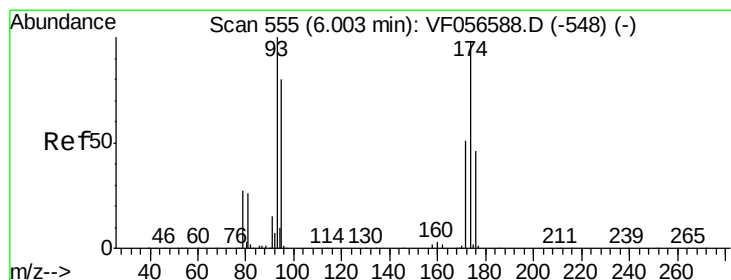
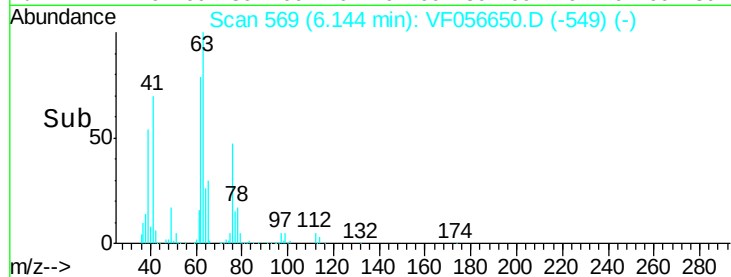
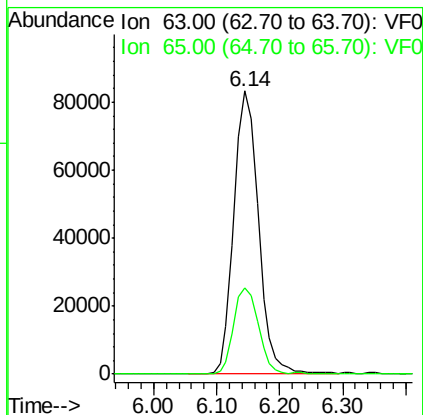
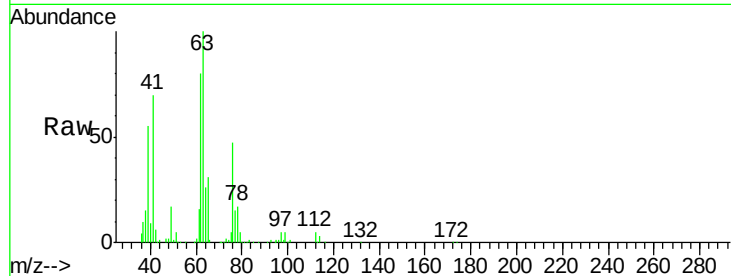
VSTDCCC050

Tgt Ion: 63 Resp: 225580

Ion Ratio Lower Upper

63 100

65 30.6 25.2 37.8



#46

Dibromomethane

Concen: 50.37 ug/l

RT: 6.00 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

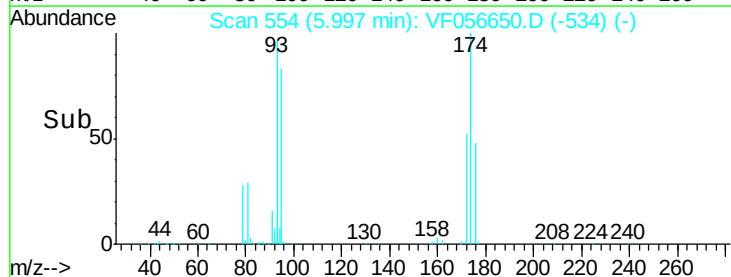
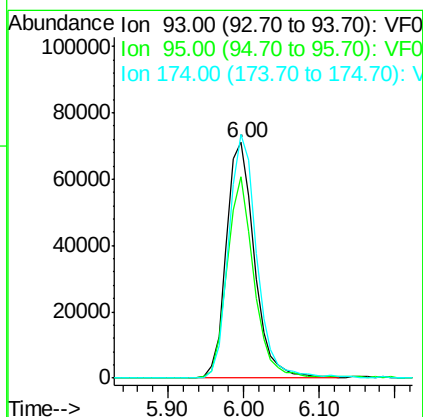
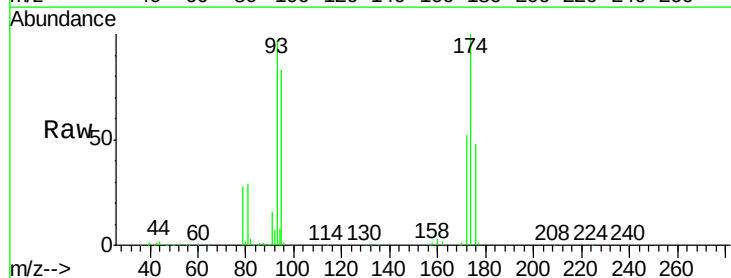
Tgt Ion: 93 Resp: 182779

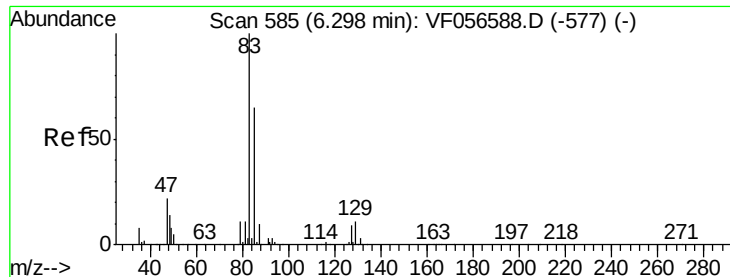
Ion Ratio Lower Upper

93 100

95 85.6 63.9 95.9

174 103.4 78.6 118.0





#47

Bromodichloromethane

Concen: 52.92 ug/l

RT: 6.29 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

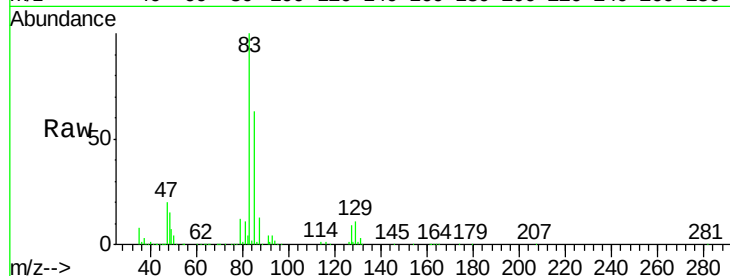
Tgt Ion: 83 Resp: 354889

Ion Ratio Lower Upper

83 100

85 62.7 52.1 78.1

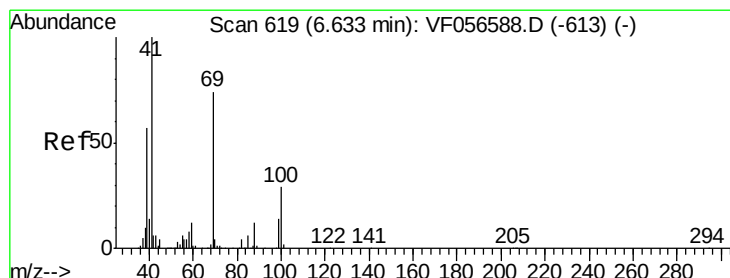
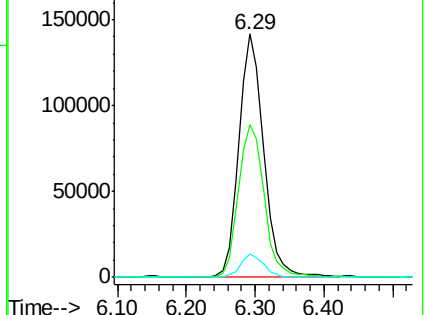
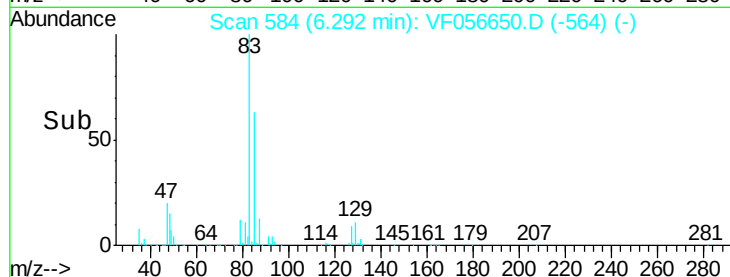
127 9.4 7.0 10.4



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: 47.83 ug/l

RT: 6.63 min Scan# 618

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

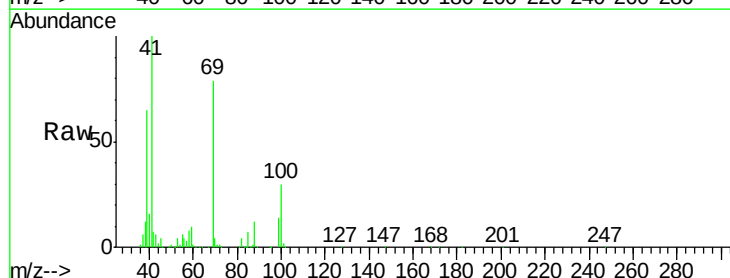
Tgt Ion: 41 Resp: 200570

Ion Ratio Lower Upper

41 100

69 78.7 58.8 88.2

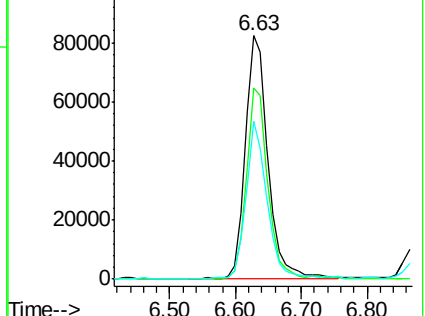
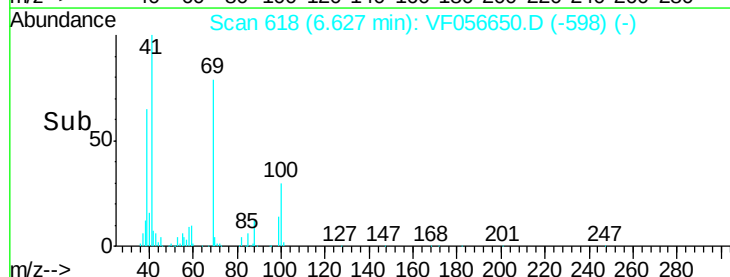
39 65.0 46.1 69.1

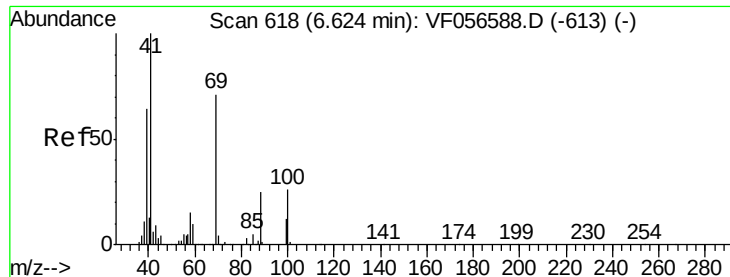


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1029.24 ug/l

RT: 6.62 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

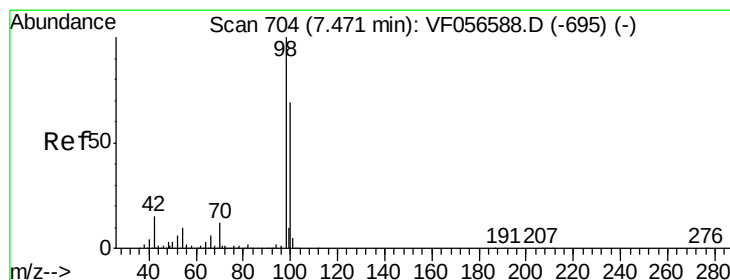
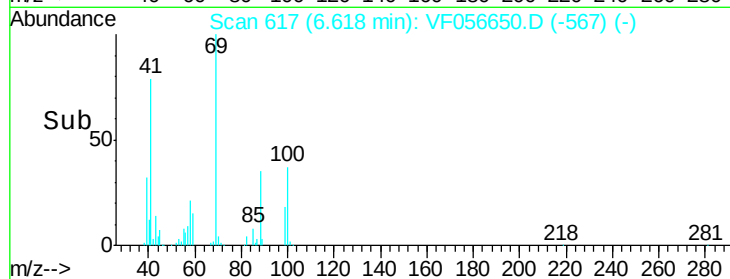
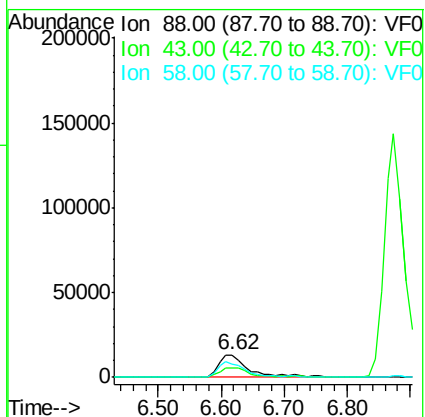
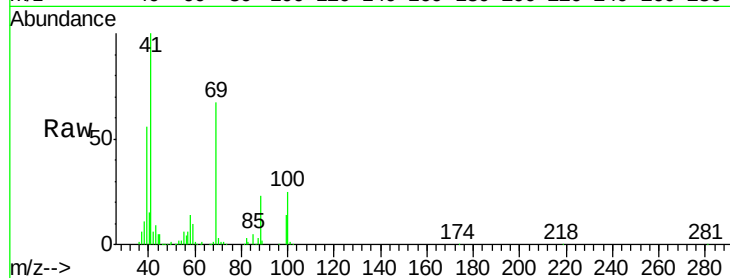
Tgt Ion: 88 Resp: 44490

Ion Ratio Lower Upper

88 100

43 40.3 30.8 46.2

58 60.9 49.8 74.6



#50

Toluene-d8

Concen: 49.00 ug/l

RT: 7.47 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF056650.D

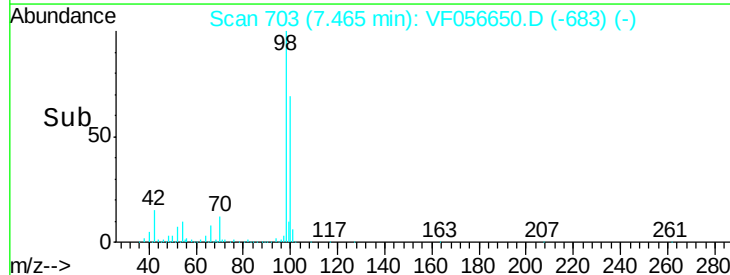
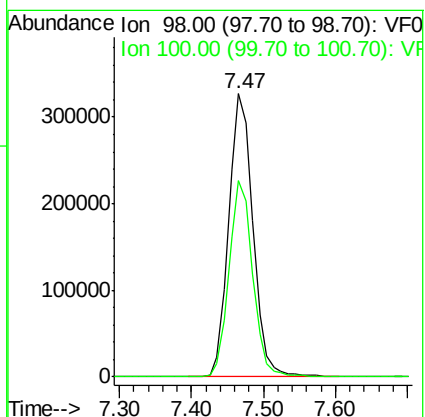
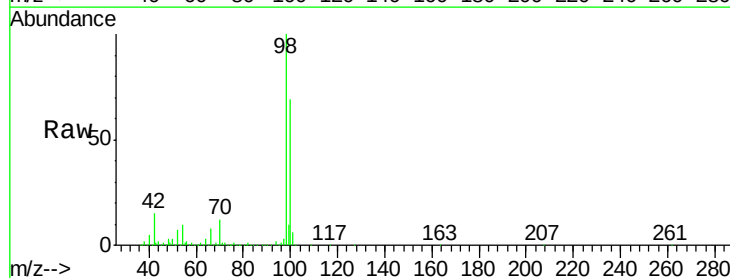
Acq: 23 Feb 2018 11:24

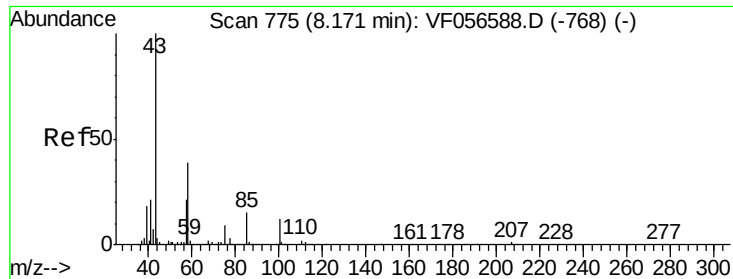
Tgt Ion: 98 Resp: 765947

Ion Ratio Lower Upper

98 100

100 69.2 55.4 83.0

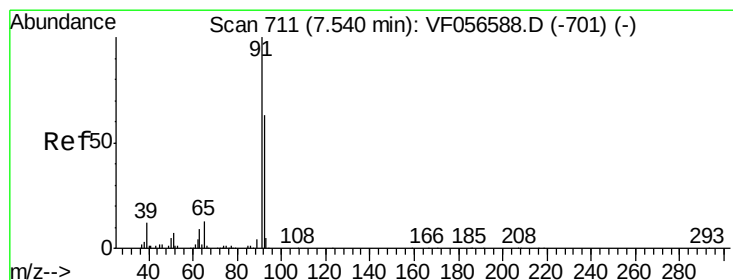
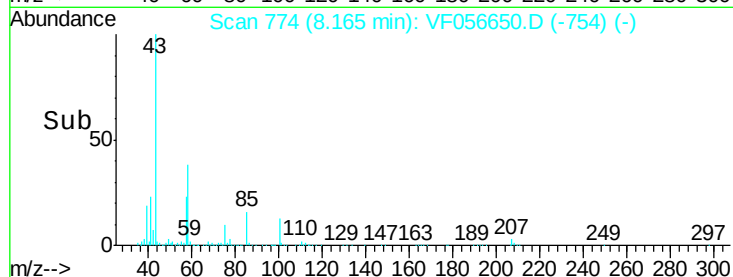
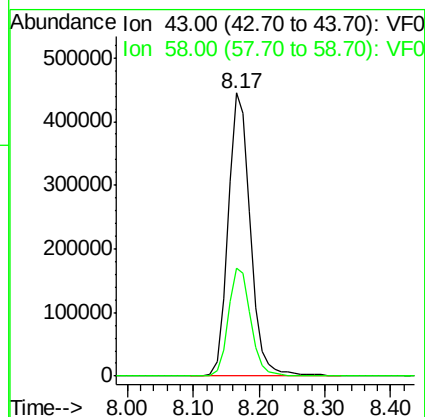
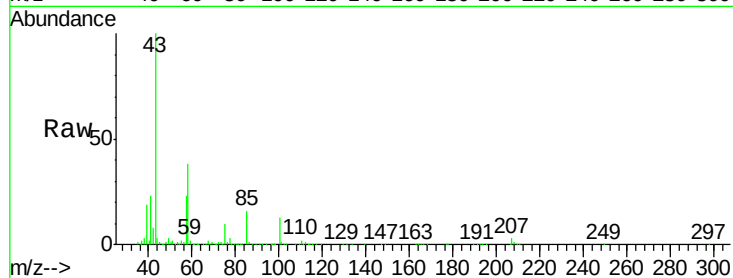




#51
 4-Methyl-2-Pentanone
 Concen: 214.82 ug/l
 RT: 8.17 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

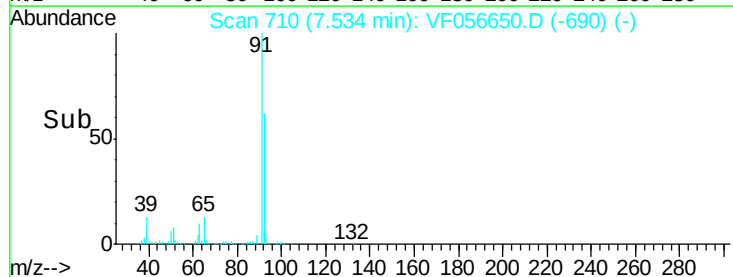
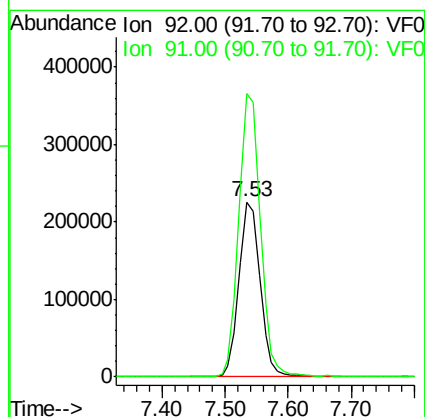
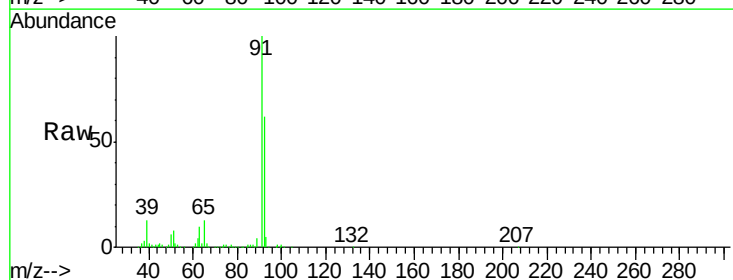
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

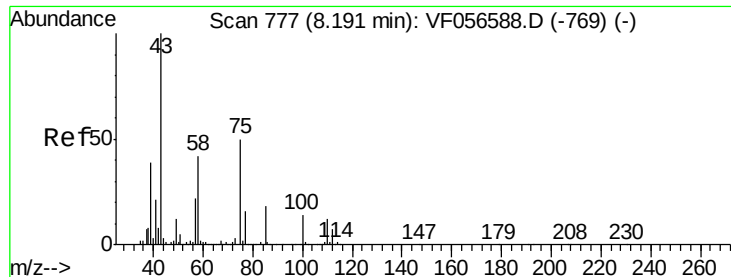
Tgt Ion: 43 Resp: 1051553
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.9 46.3



#52
 Toluene
 Concen: 47.46 ug/l
 RT: 7.53 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

Tgt Ion: 92 Resp: 523235
 Ion Ratio Lower Upper
 92 100
 91 162.0 127.2 190.8

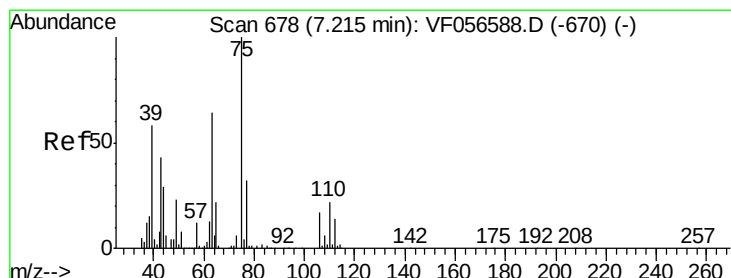
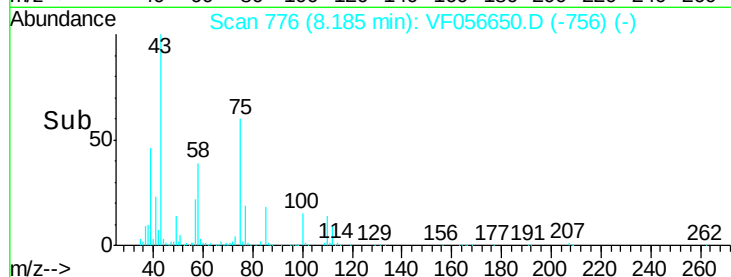
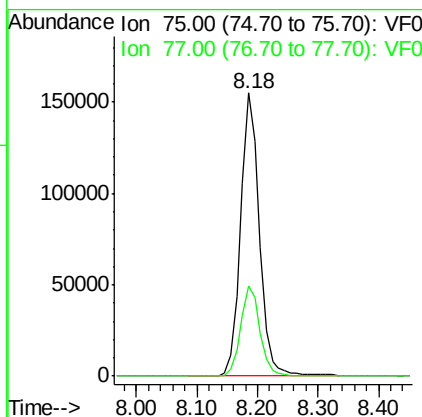
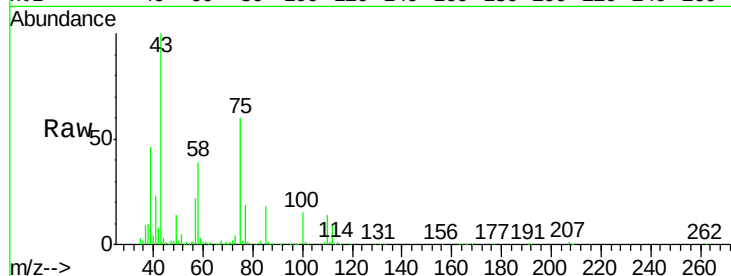




#53
t-1,3-Dichloropropene
Concen: 49.70 ug/l
RT: 8.18 min Scan# 776
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

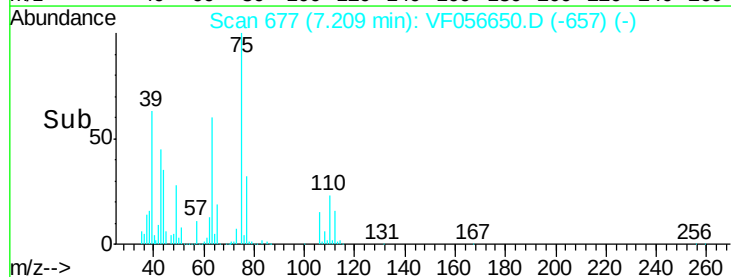
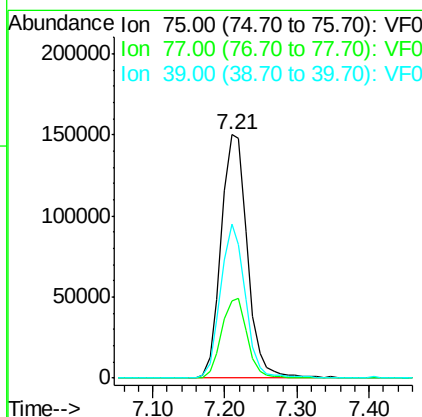
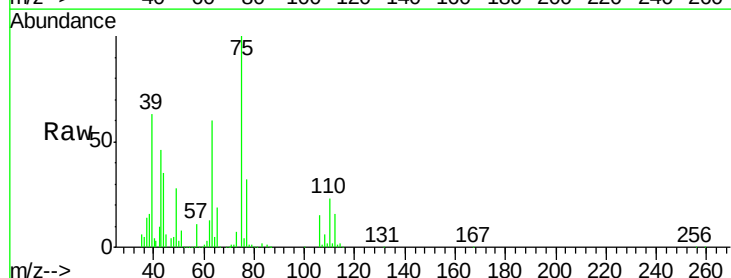
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

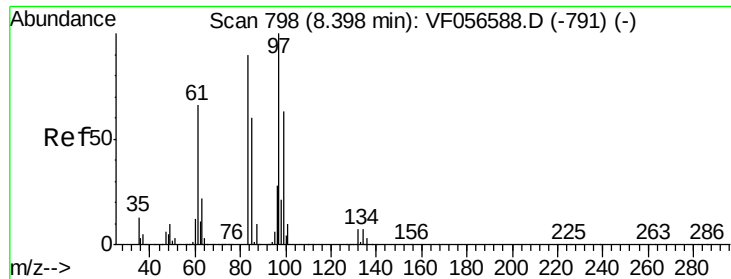
Tgt Ion: 75 Resp: 335704
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 48.02 ug/l
RT: 7.21 min Scan# 677
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion: 75 Resp: 377448
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5
39 63.4 47.0 70.6





#55

1,1,2-Trichloroethane

Concen: 47.72 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

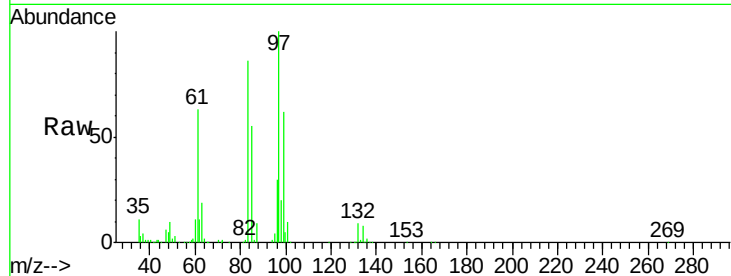
Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion:	97	Resp:	208426
Ion	Ratio	Lower	Upper
97	100		
83	86.1	71.8	107.8
85	55.2	48.0	72.0
99	61.5	50.2	75.2

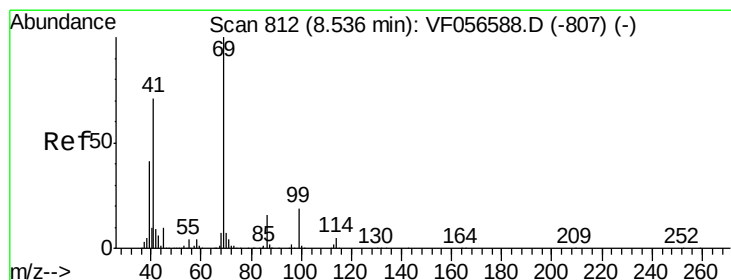
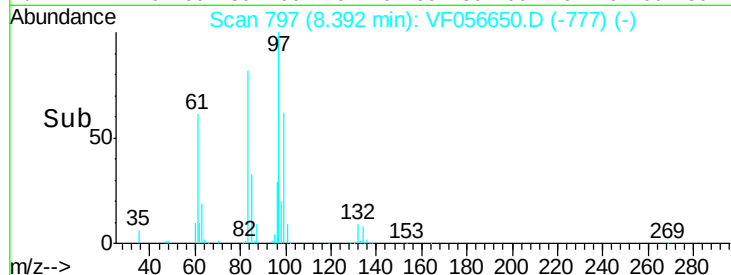
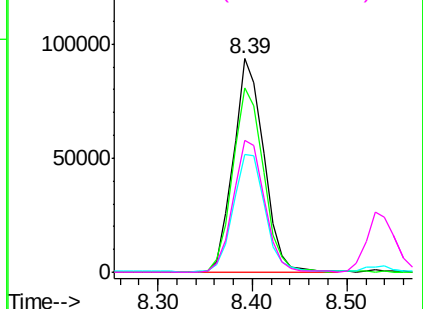


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 48.49 ug/l

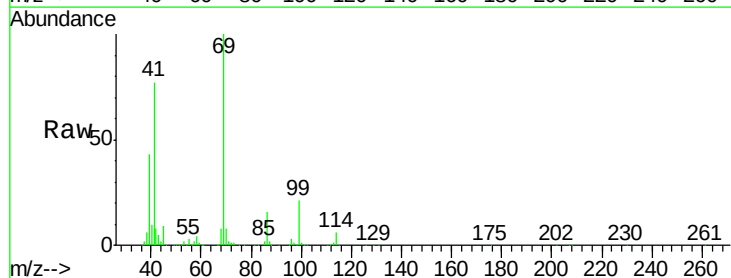
RT: 8.53 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

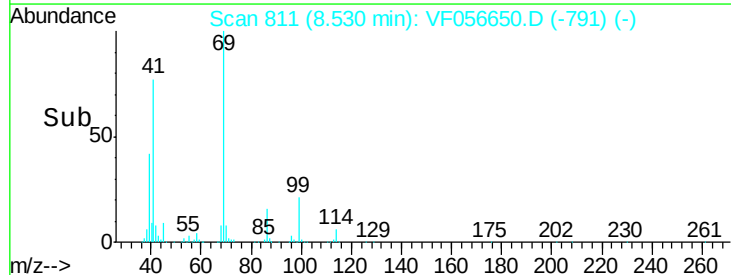
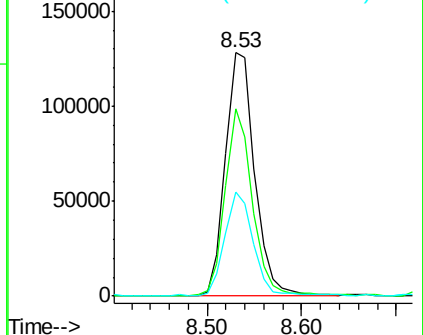
Tgt Ion:	69	Resp:	276595
Ion	Ratio	Lower	Upper
69	100		
41	77.2	57.2	85.8
39	42.7	33.0	49.6

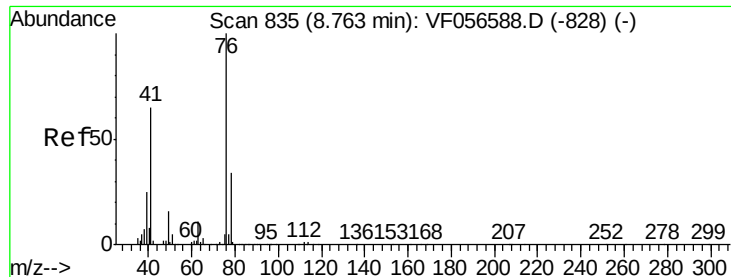


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 46.41 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

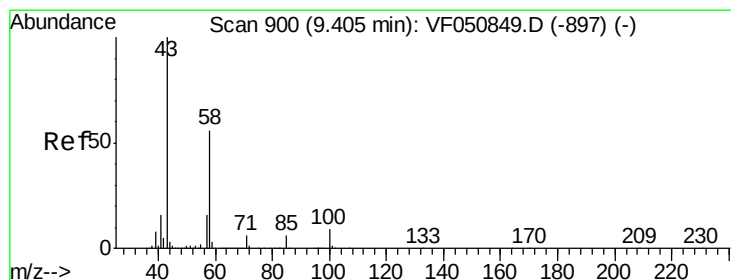
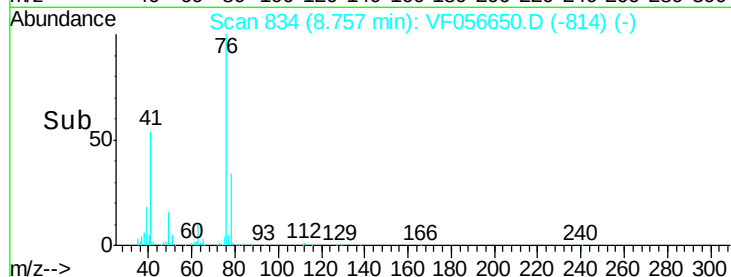
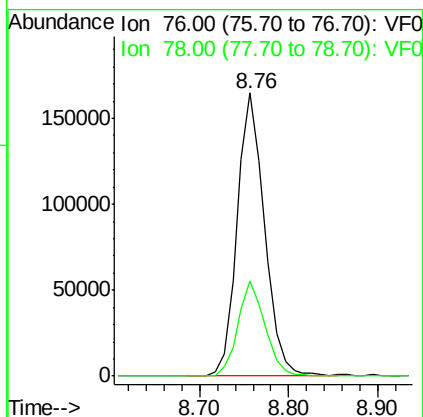
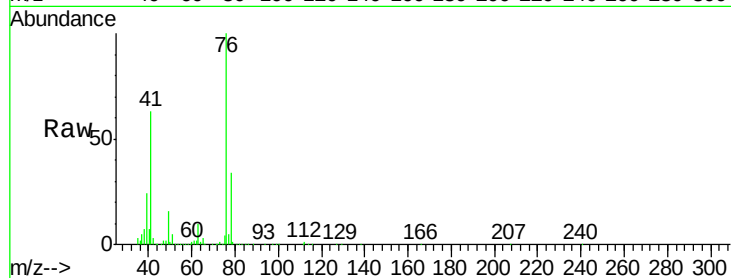
VSTDCCC050

Tgt Ion: 76 Resp: 352502

Ion Ratio Lower Upper

76 100

78 33.8 27.0 40.6



#58

2-Chloroethyl Vinyl ether

Concen: 103.77 ug/l

RT: 7.53 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF056650.D

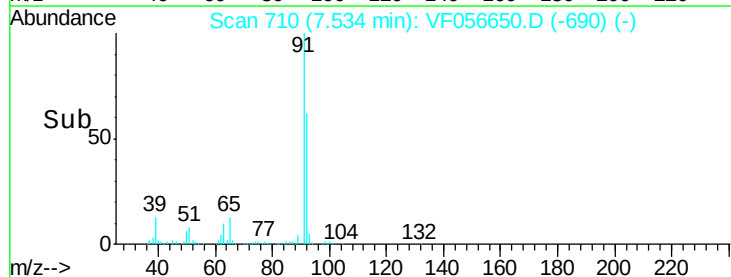
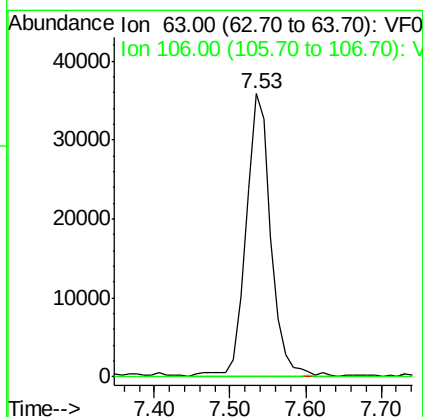
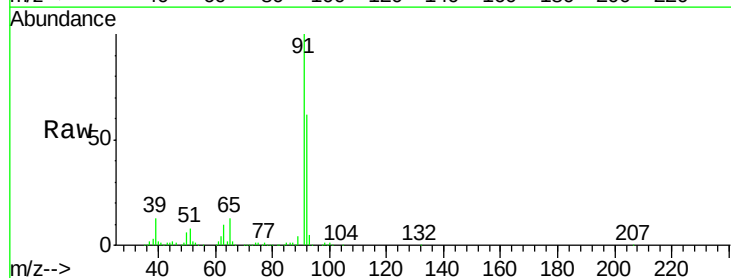
Acq: 23 Feb 2018 11:24

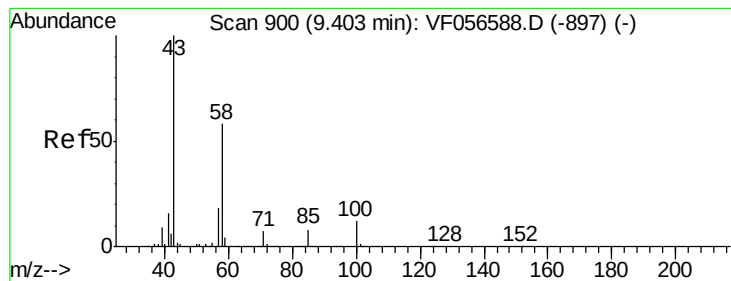
Tgt Ion: 63 Resp: 80470

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 223.61 ug/l

RT: 9.40 min Scan# 899

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

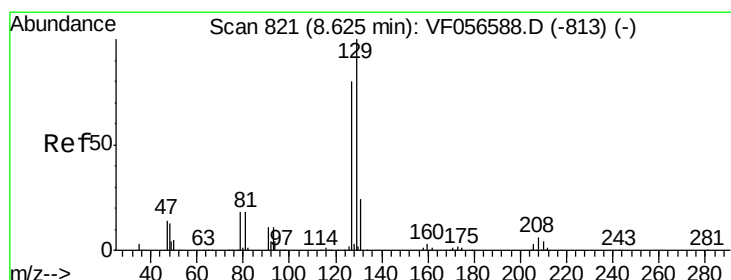
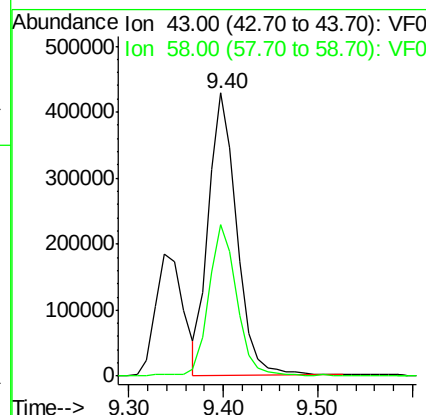
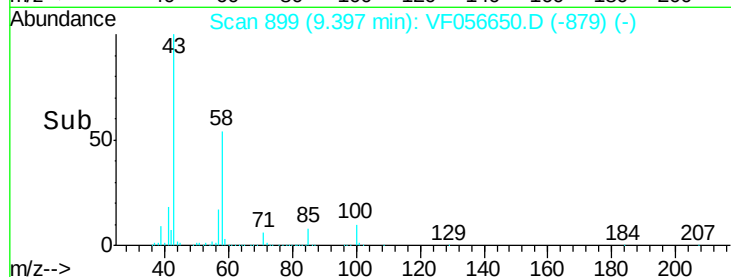
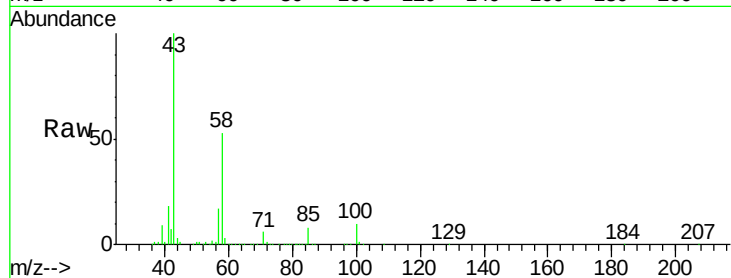
VSTDCCC050

Tgt Ion: 43 Resp: 888408

Ion Ratio Lower Upper

43 100

58 53.5 26.6 79.7



#60

Dibromochloromethane

Concen: 52.42 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF056650.D

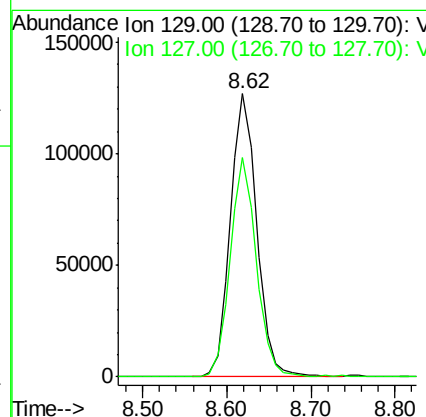
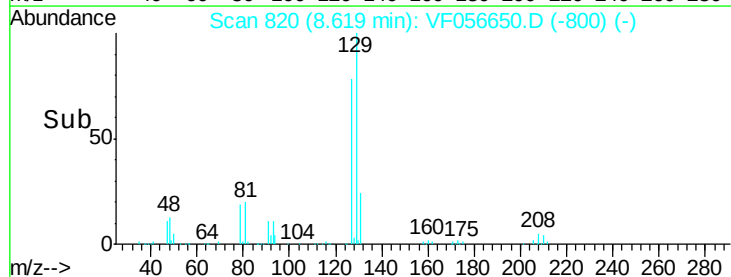
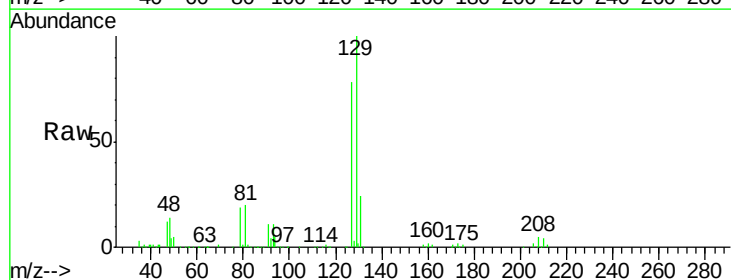
Acq: 23 Feb 2018 11:24

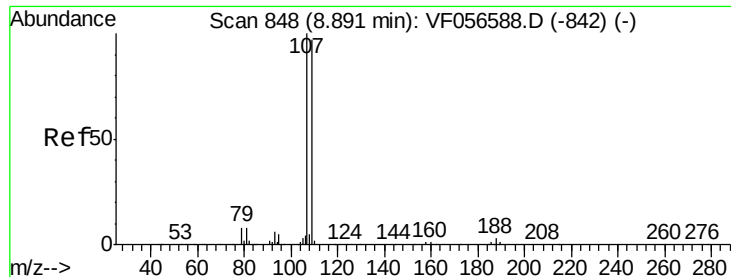
Tgt Ion: 129 Resp: 277615

Ion Ratio Lower Upper

129 100

127 77.7 40.2 120.5





#61

1,2-Dibromoethane

Concen: 49.14 ug/l

RT: 8.88 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

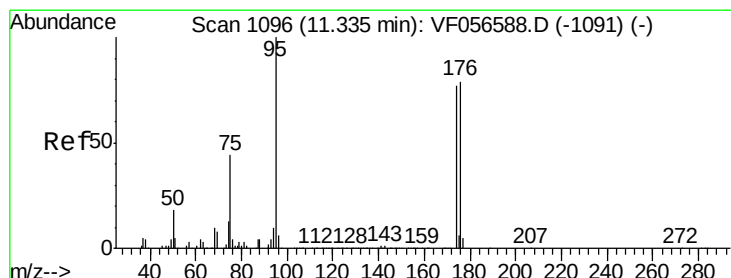
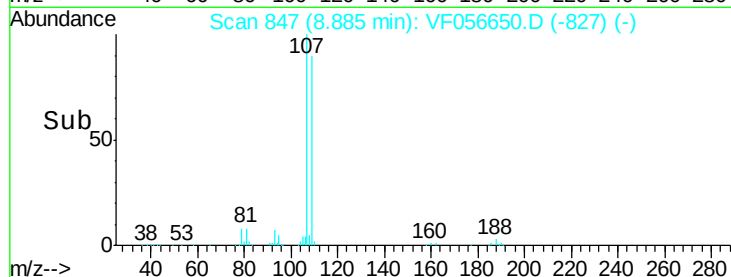
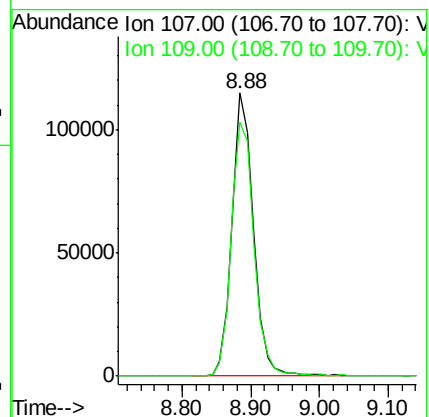
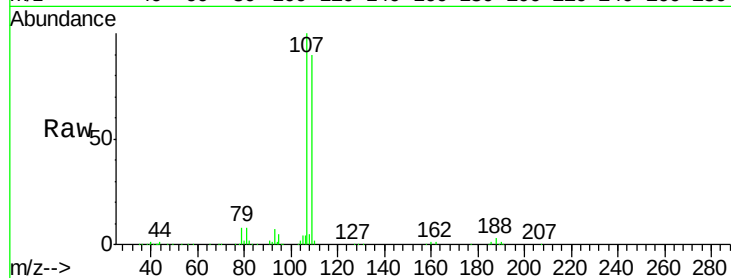
VSTDCCC050

Tgt Ion: 107 Resp: 248556

Ion Ratio Lower Upper

107 100

109 89.7 77.4 116.0



#62

4-Bromofluorobenzene

Concen: 48.86 ug/l

RT: 11.33 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

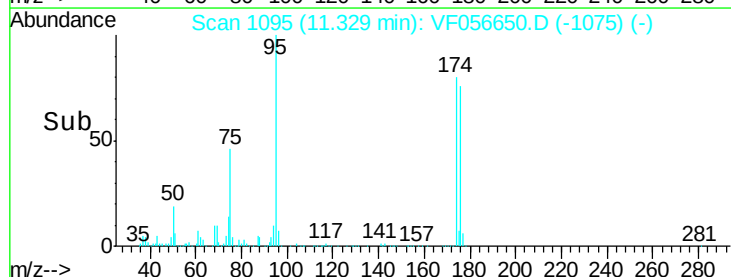
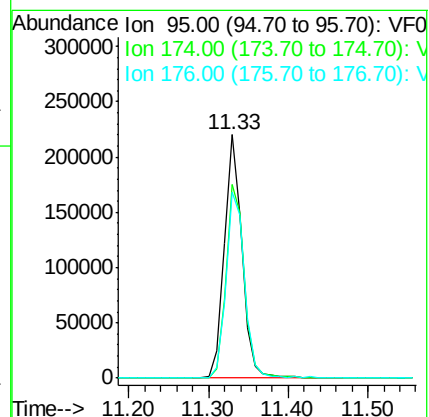
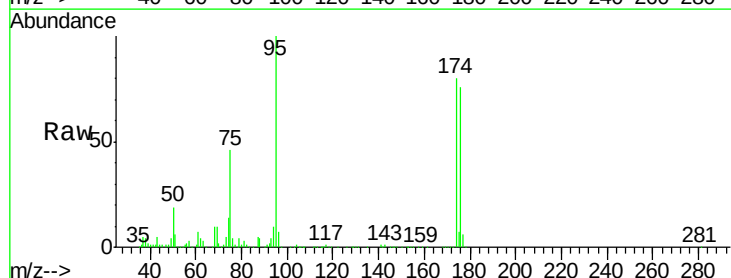
Tgt Ion: 95 Resp: 347375

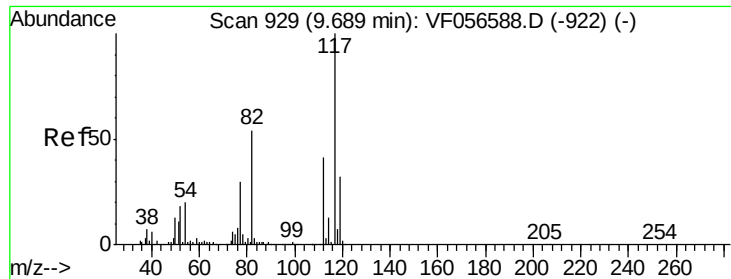
Ion Ratio Lower Upper

95 100

174 79.5 0.0 154.2

176 76.3 0.0 157.2

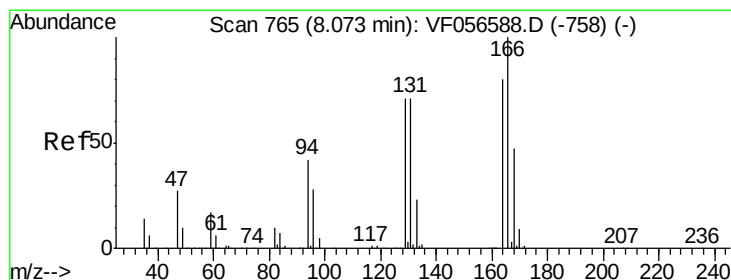
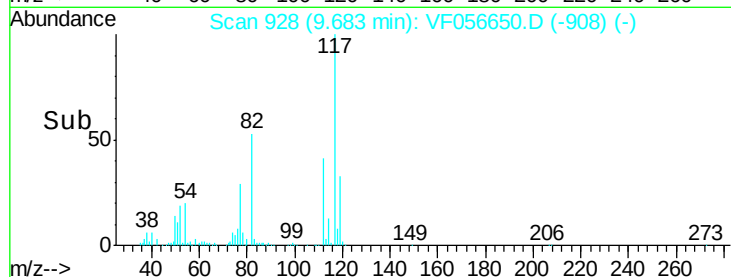
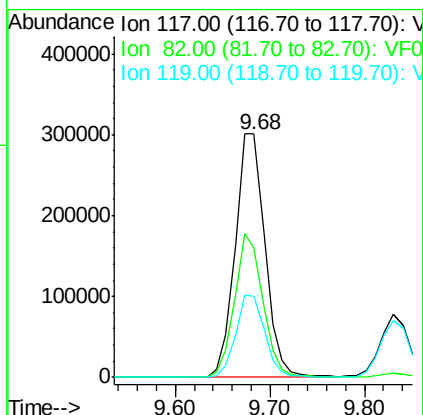
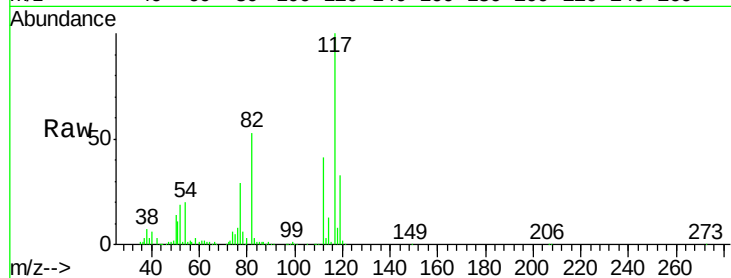




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.68 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

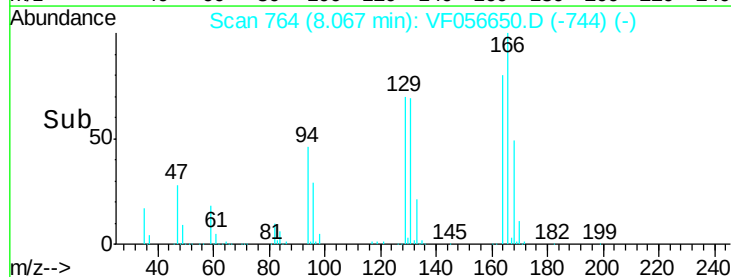
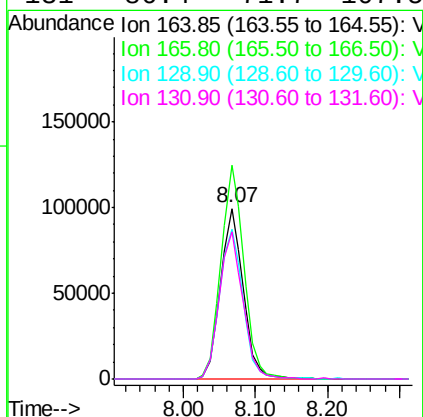
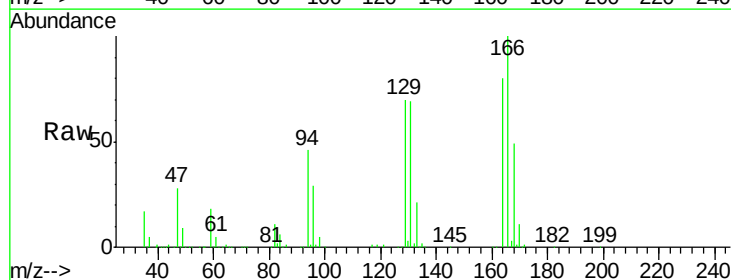
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

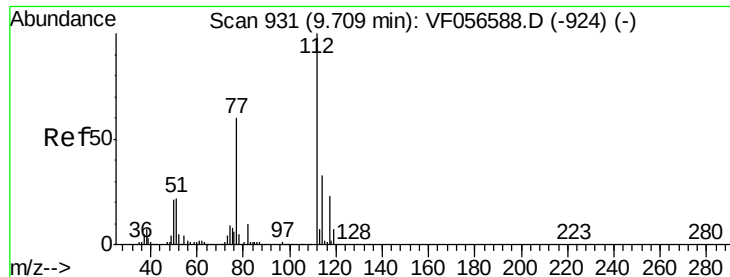
Tgt Ion:117 Resp: 658079
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.6
119 33.1 25.5 38.3



#64
Tetrachloroethene
Concen: 45.70 ug/l
RT: 8.07 min Scan# 764
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion:164 Resp: 216432
Ion Ratio Lower Upper
164 100
166 125.4 100.3 150.5
129 87.8 71.4 107.0
131 86.4 71.7 107.5

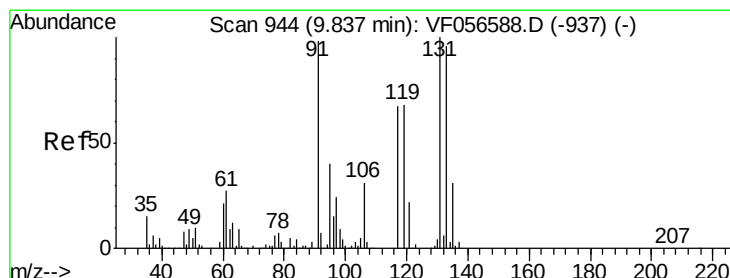
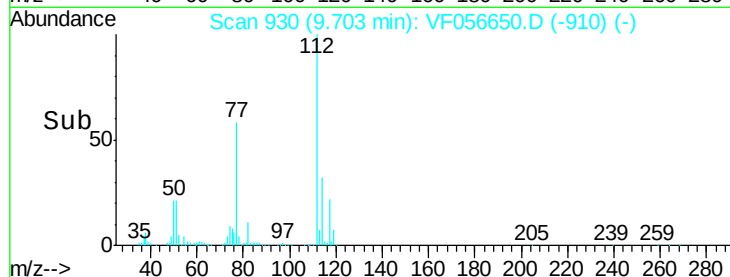
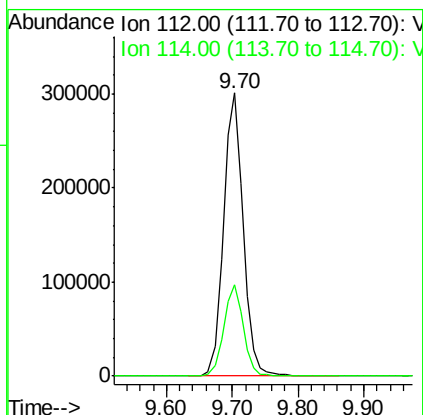
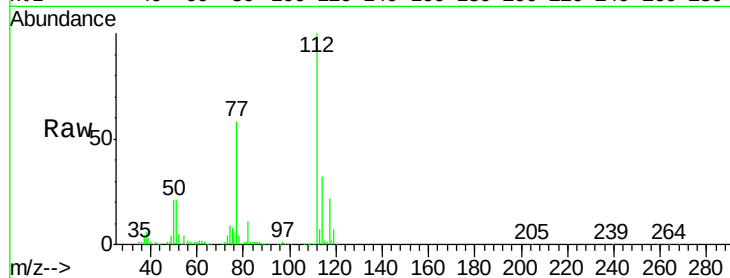




#65
Chlorobenzene
Concen: 48.77 ug/l
RT: 9.70 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

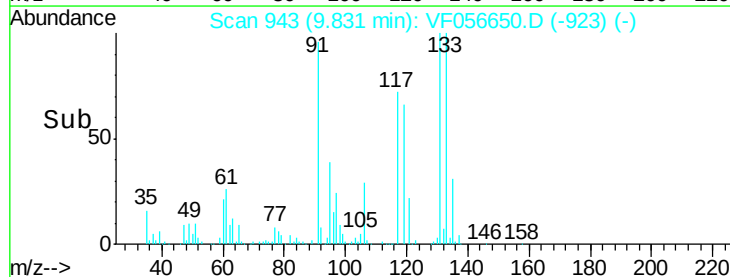
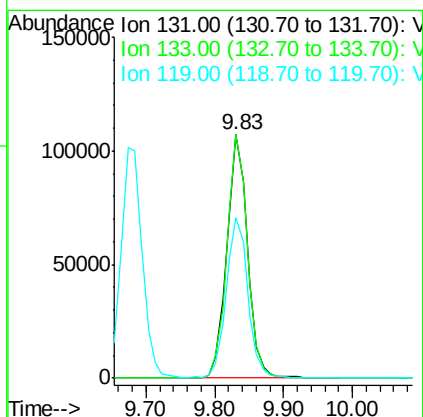
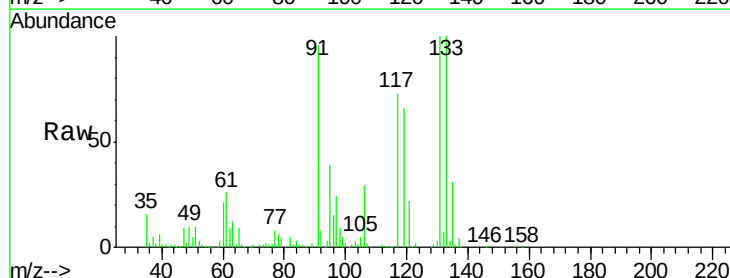
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

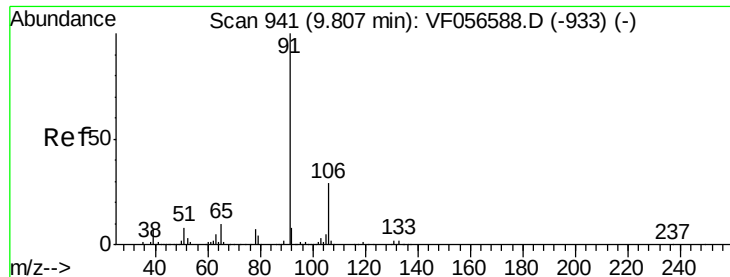
Tgt Ion:112 Resp: 628880
Ion Ratio Lower Upper
112 100
114 32.4 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.34 ug/l
RT: 9.83 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion:131 Resp: 223751
Ion Ratio Lower Upper
131 100
133 99.9 48.2 144.6
119 66.0 34.0 101.8

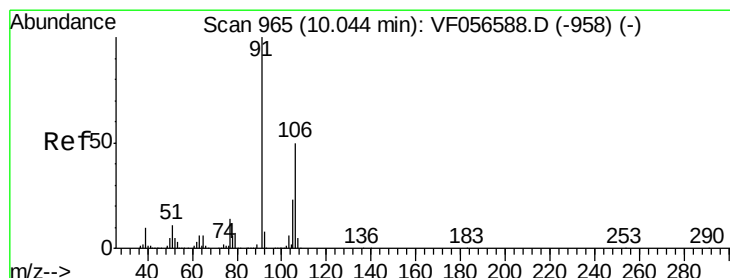
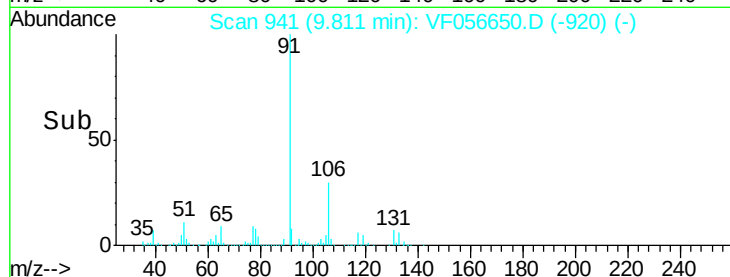
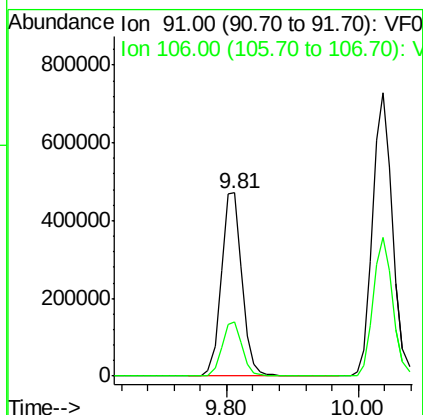
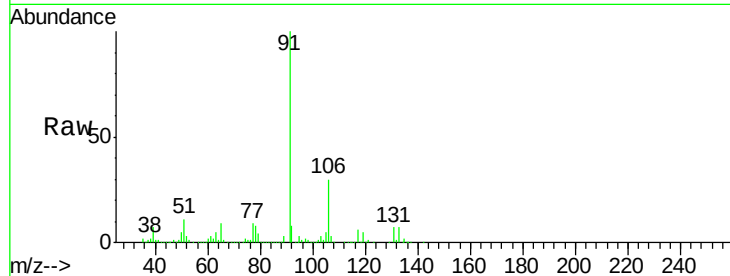




#67
Ethyl Benzene
Concen: 47.13 ug/l
RT: 9.81 min Scan# 941
Delta R.T. 0.00 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

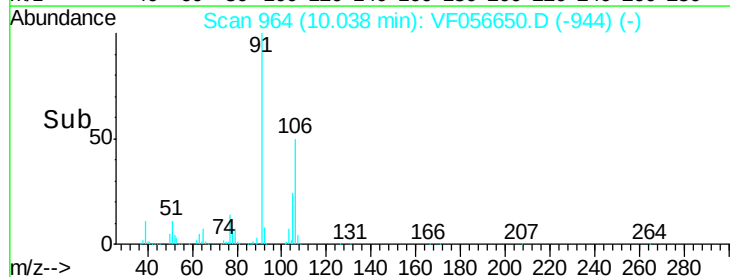
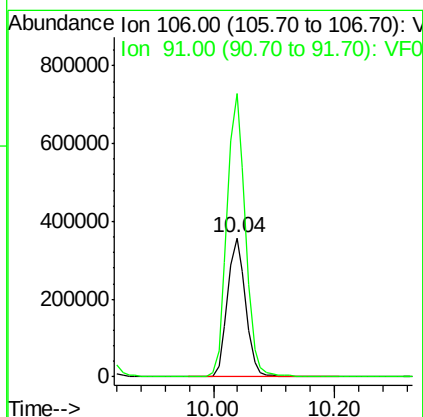
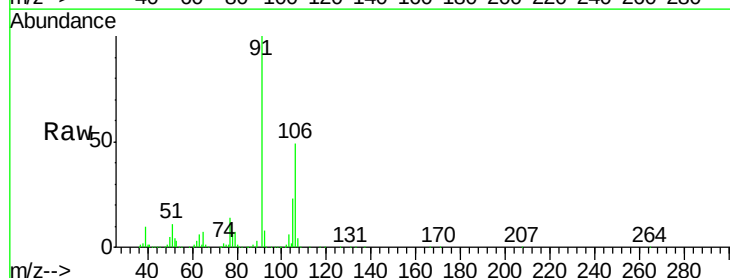
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

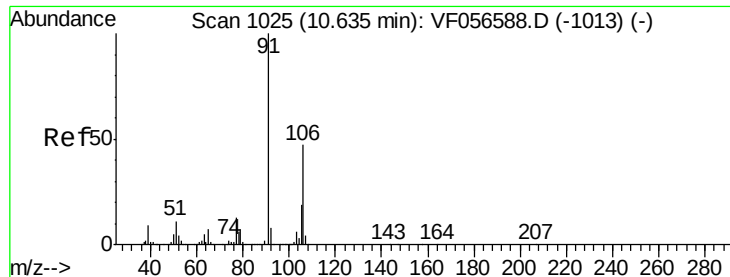
Tgt Ion: 91 Resp: 1036424
Ion Ratio Lower Upper
91 100
106 29.8 23.2 34.8



#68
m/p-Xylenes
Concen: 92.88 ug/l
RT: 10.04 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion: 106 Resp: 746979
Ion Ratio Lower Upper
106 100
91 203.3 159.2 238.8

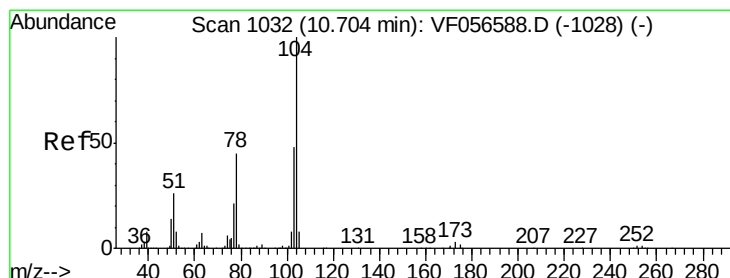
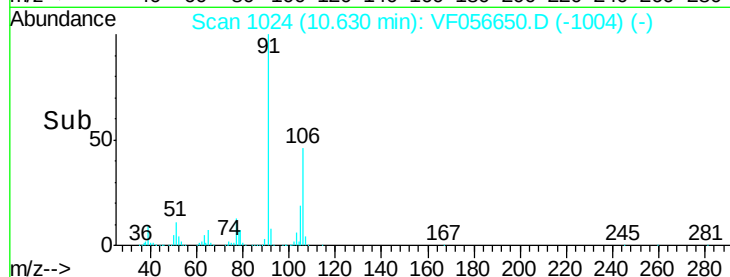
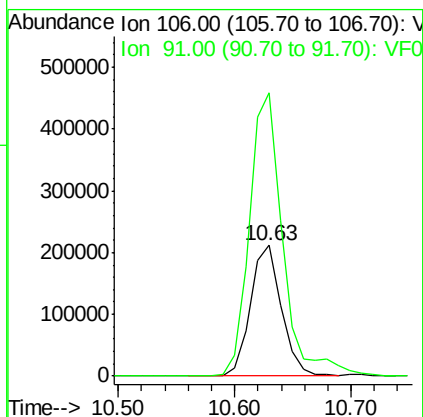
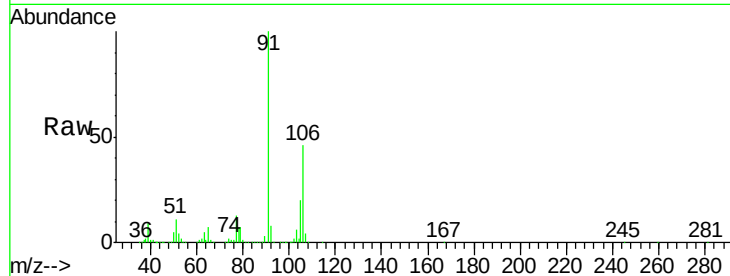




#69
o-Xylene
Concen: 46.46 ug/l
RT: 10.63 min Scan# 1024
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

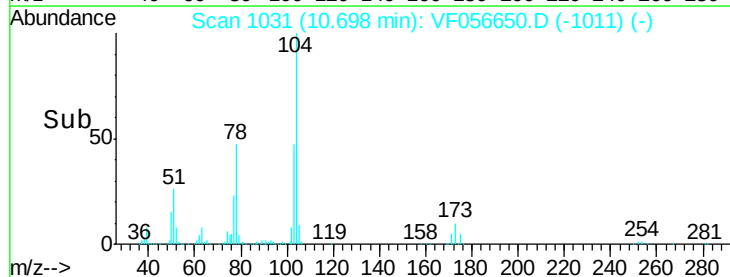
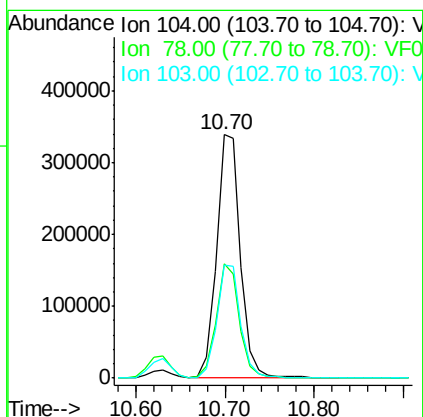
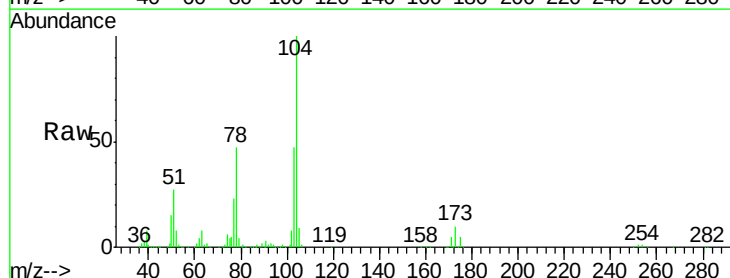
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

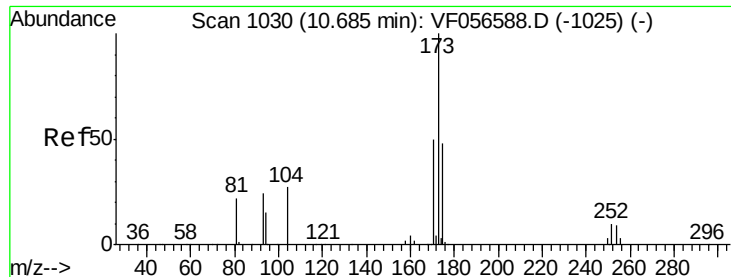
Tgt Ion:106 Resp: 387880
Ion Ratio Lower Upper
106 100
91 216.9 107.6 322.8



#70
Styrene
Concen: 47.77 ug/l
RT: 10.70 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion:104 Resp: 632047
Ion Ratio Lower Upper
104 100
78 47.0 36.4 54.6
103 46.6 38.7 58.1

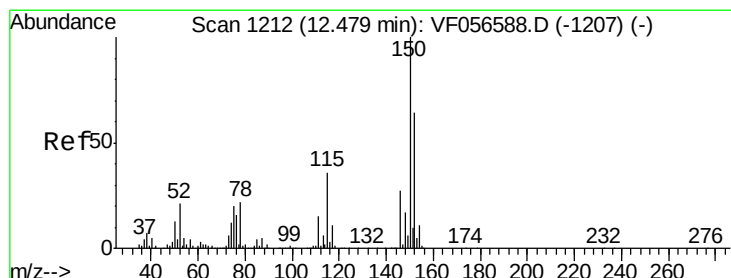
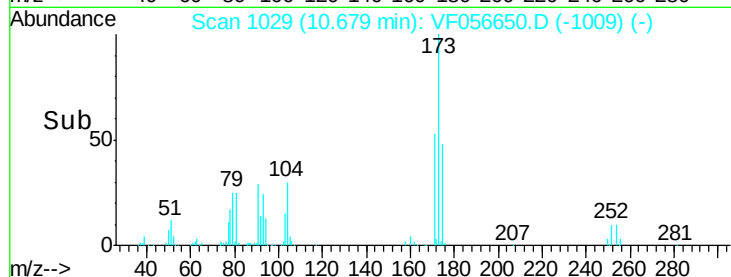
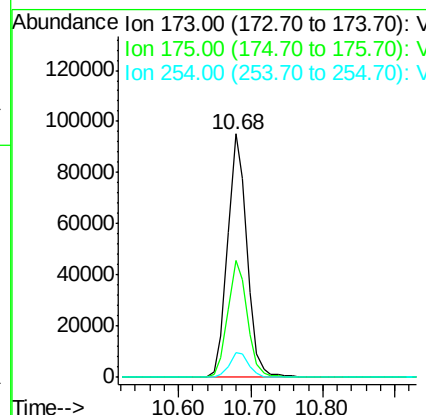
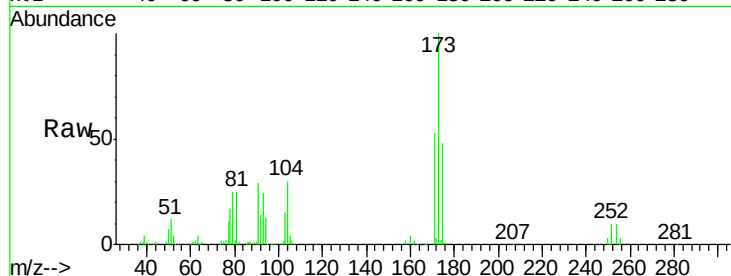




#71
Bromoform
Concen: 49.65 ug/l
RT: 10.68 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

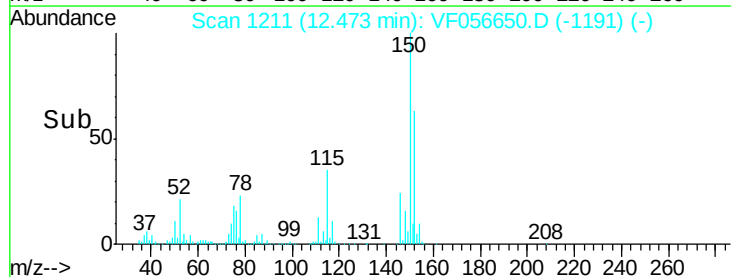
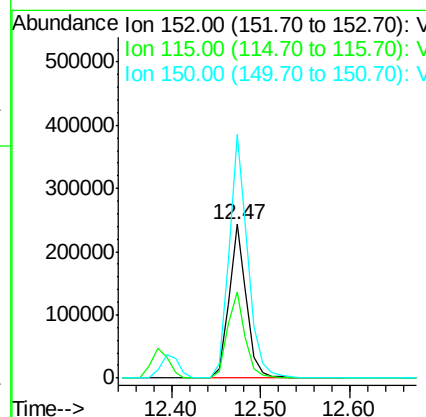
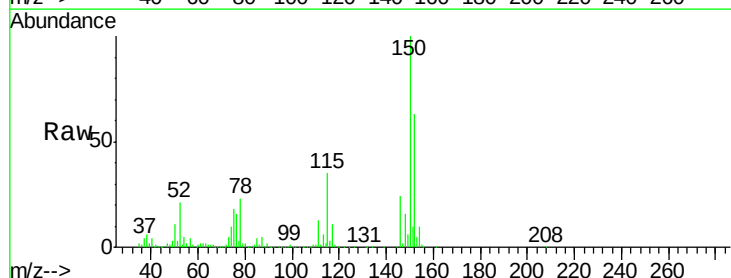
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

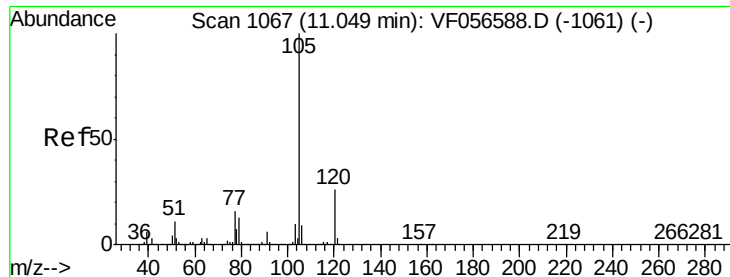
Tgt Ion:173 Resp: 176621
Ion Ratio Lower Upper
173 100
175 47.9 24.0 72.0
254 10.3 7.5 11.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.47 min Scan# 1211
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion:152 Resp: 336121
Ion Ratio Lower Upper
152 100
115 55.8 28.1 84.3
150 158.5 0.0 315.6





#73

Isopropylbenzene

Concen: 50.51 ug/l

RT: 11.04 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

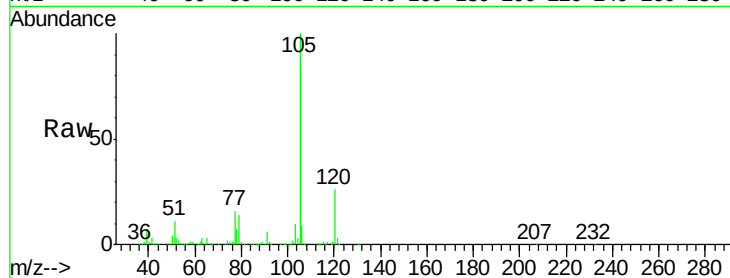
VSTDCCC050

Tgt Ion:105 Resp: 1118317

Ion Ratio Lower Upper

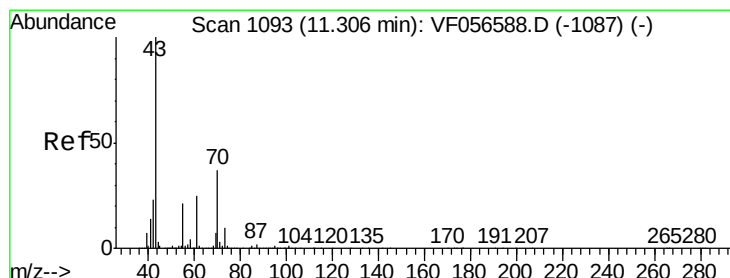
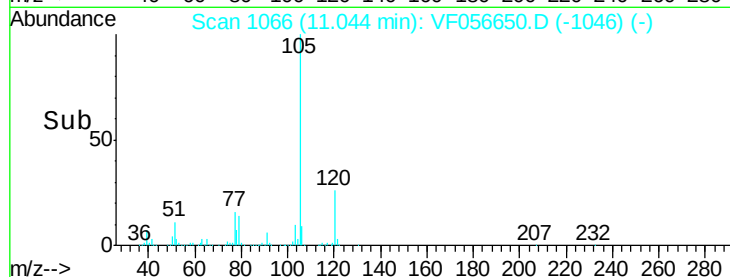
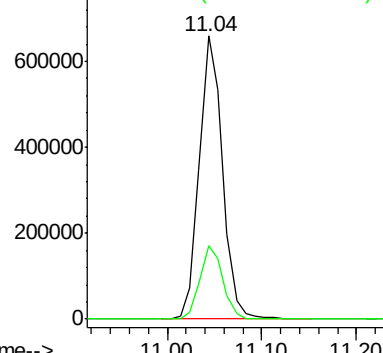
105 100

120 26.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.05 ug/l

RT: 11.30 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion: 43 Resp: 446138

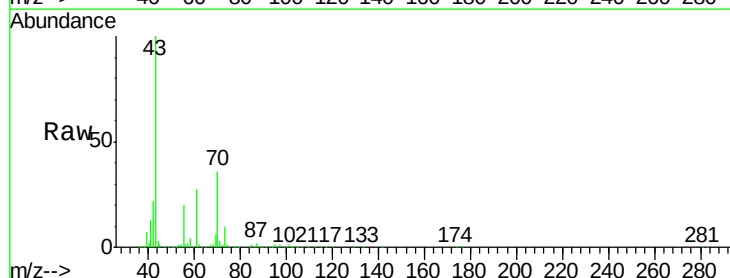
Ion Ratio Lower Upper

43 100

70 36.0 29.5 44.3

55 20.2 17.0 25.4

61 27.3 20.0 30.0

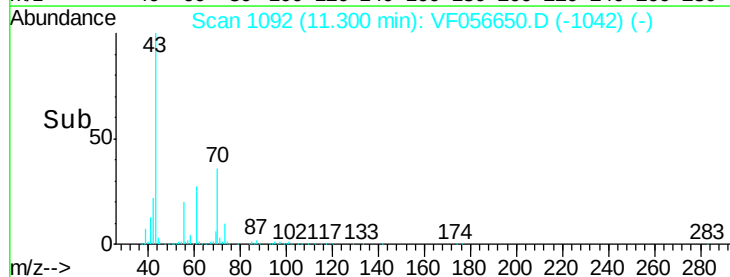
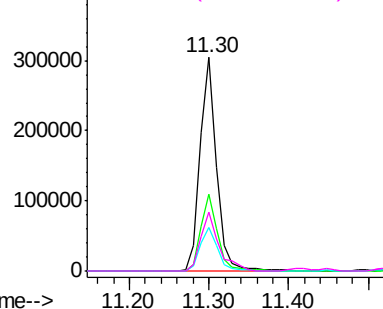


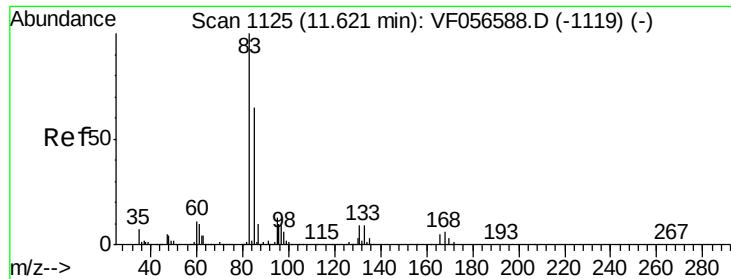
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.16 ug/l

RT: 11.62 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

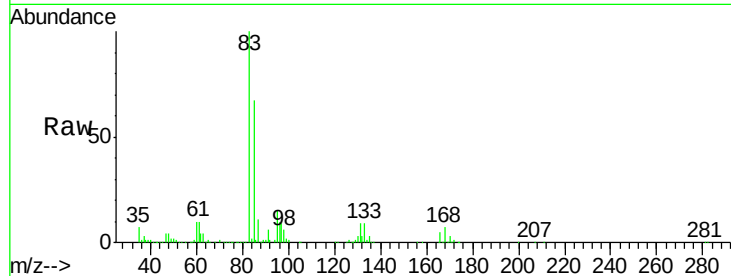
Tgt Ion: 83 Resp: 302499

Ion Ratio Lower Upper

83 100

131 9.5 4.5 13.4

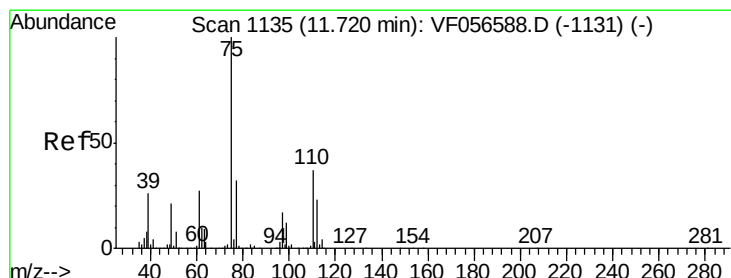
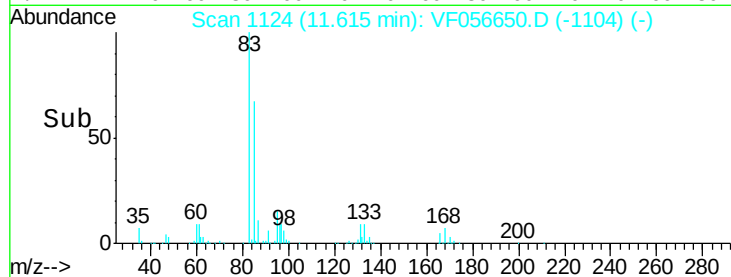
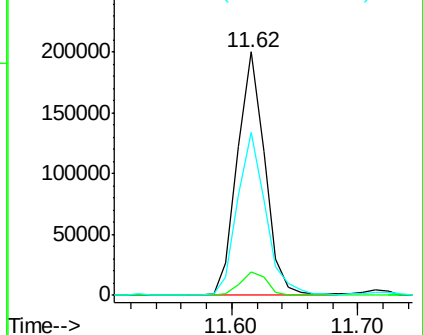
85 66.9 32.4 97.2



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: 45.54 ug/l

RT: 11.71 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF056650.D

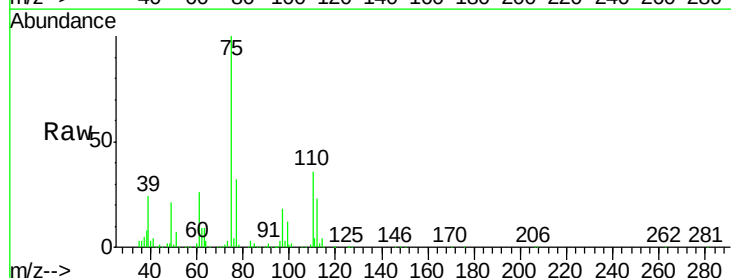
Acq: 23 Feb 2018 11:24

Tgt Ion: 75 Resp: 234064

Ion Ratio Lower Upper

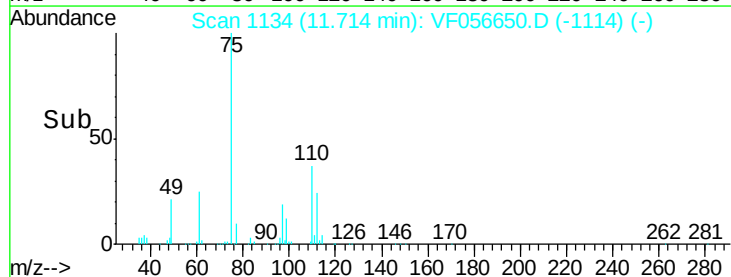
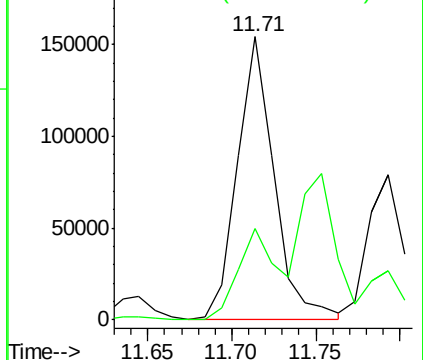
75 100

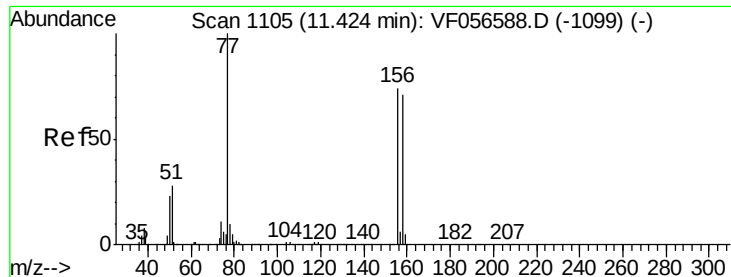
77 32.3 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 50.74 ug/l

RT: 11.42 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

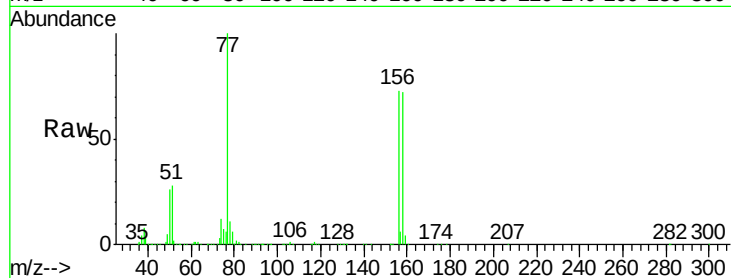
Tgt Ion:156 Resp: 304747

Ion Ratio Lower Upper

156 100

77 137.2 67.3 201.8

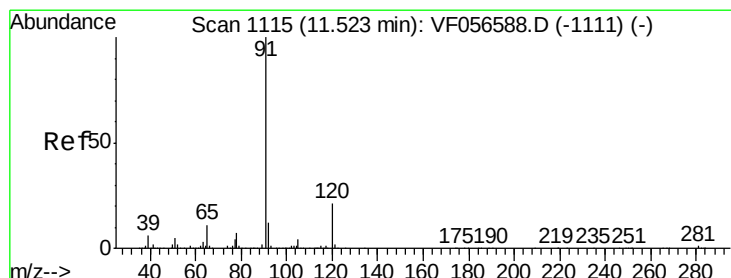
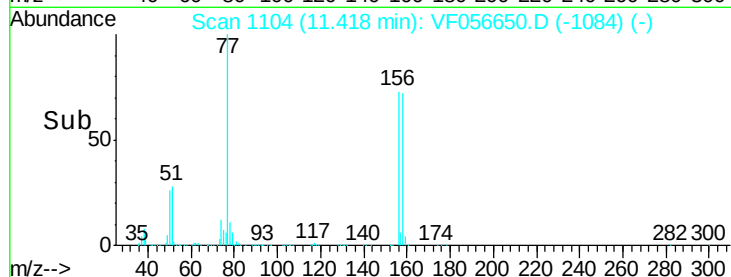
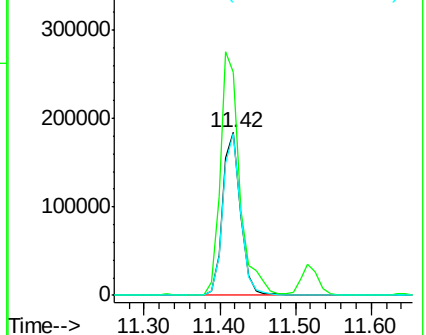
158 99.2 48.0 144.2



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: 48.55 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF056650.D

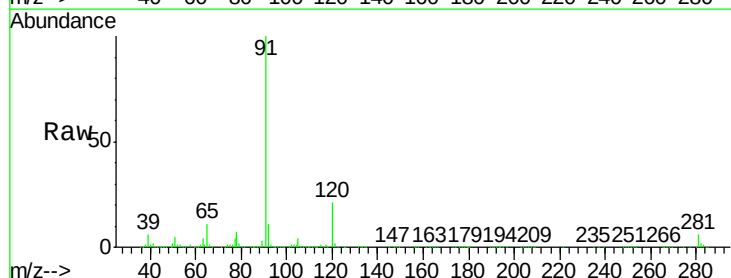
Acq: 23 Feb 2018 11:24

Tgt Ion: 91 Resp: 1324286

Ion Ratio Lower Upper

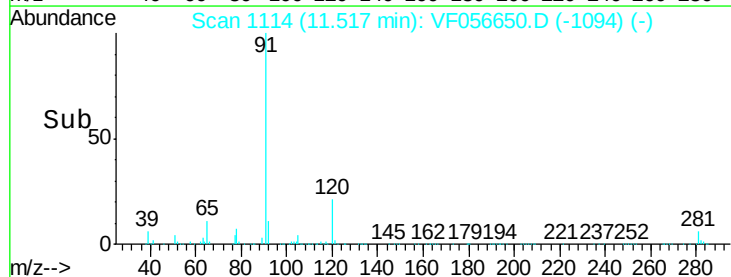
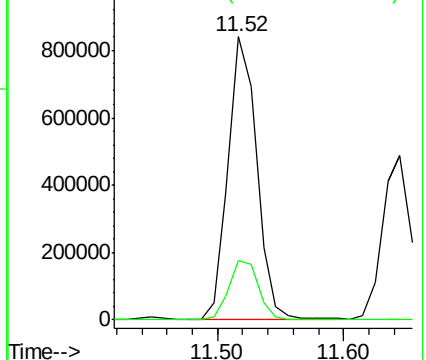
91 100

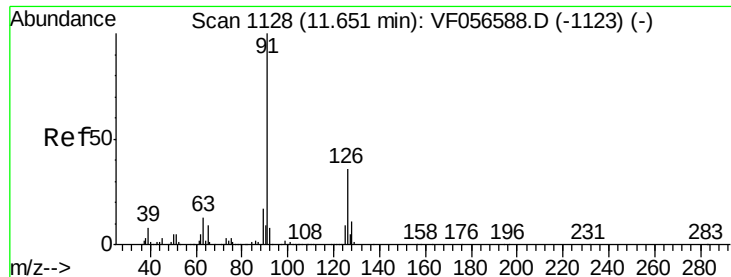
120 21.1 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.02 ug/l

RT: 11.64 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

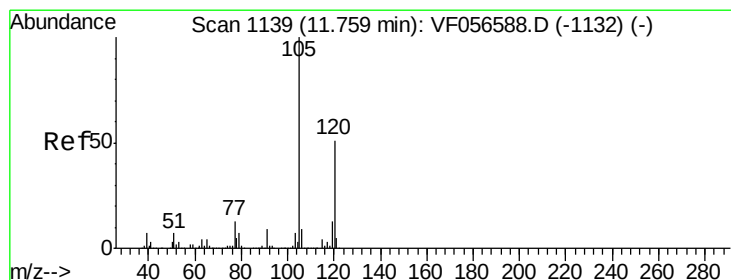
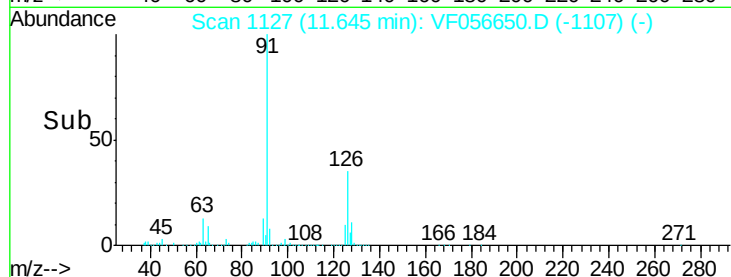
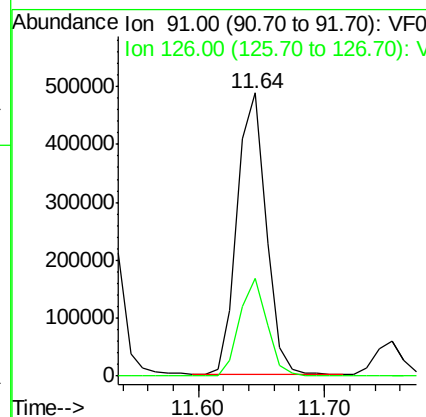
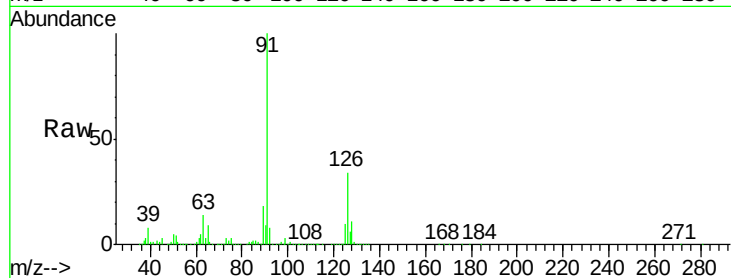
VSTDCCC050

Tgt Ion: 91 Resp: 771344

Ion Ratio Lower Upper

91 100

126 34.3 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 48.05 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF056650.D

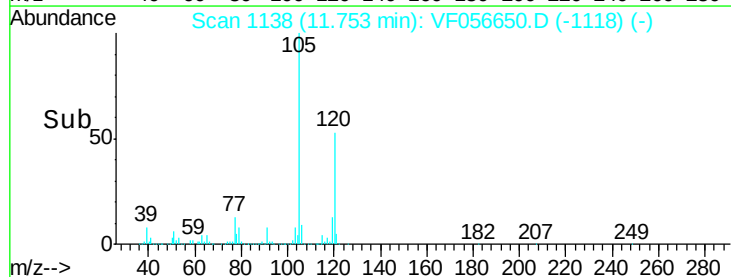
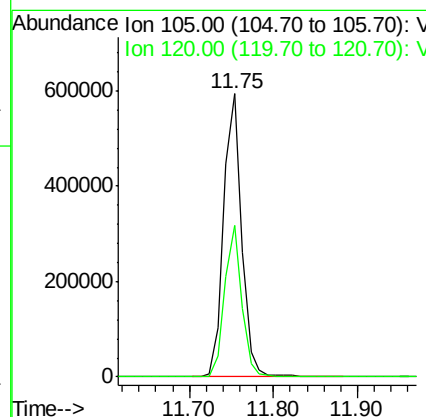
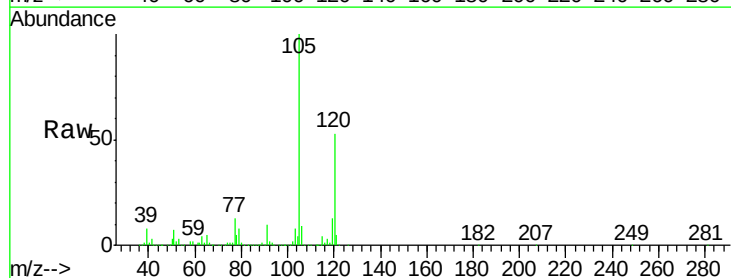
Acq: 23 Feb 2018 11:24

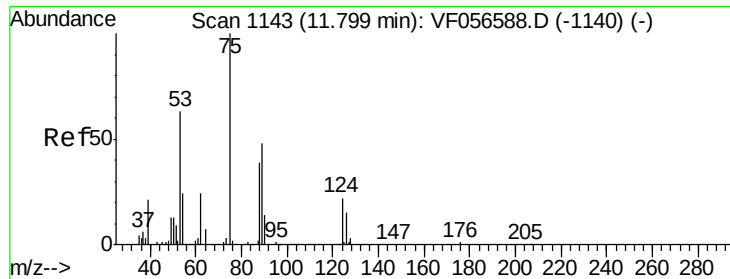
Tgt Ion: 105 Resp: 881479

Ion Ratio Lower Upper

105 100

120 53.5 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.81 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

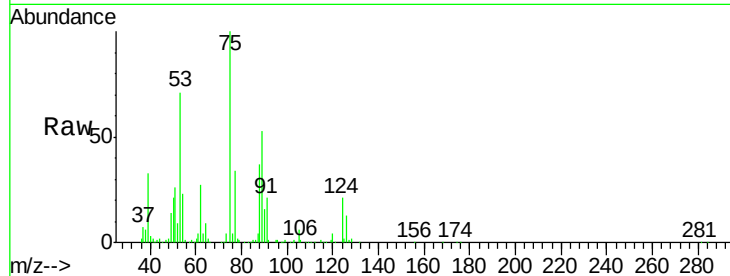
Tgt Ion: 75 Resp: 140257

Ion Ratio Lower Upper

75 100

53 70.9 55.4 83.0

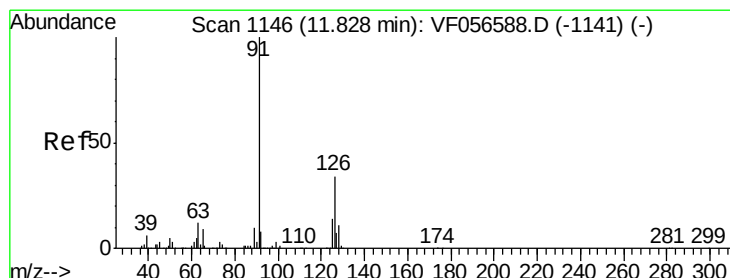
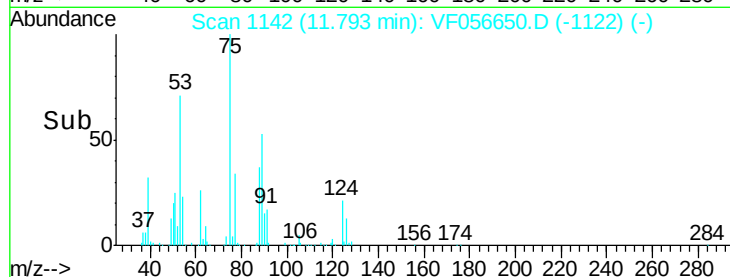
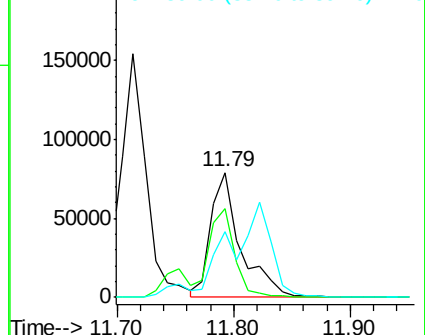
89 52.8 40.4 60.6



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: 49.13 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VF056650.D

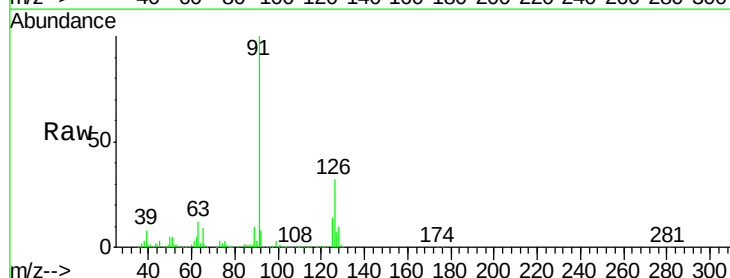
Acq: 23 Feb 2018 11:24

Tgt Ion: 91 Resp: 858521

Ion Ratio Lower Upper

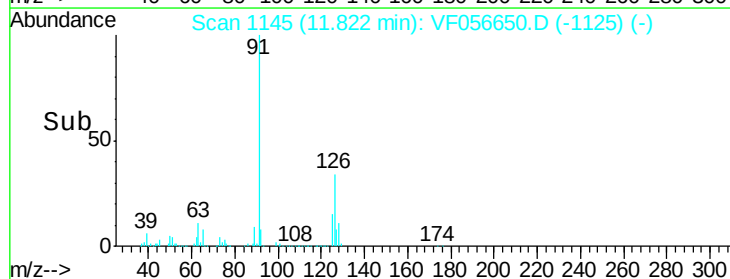
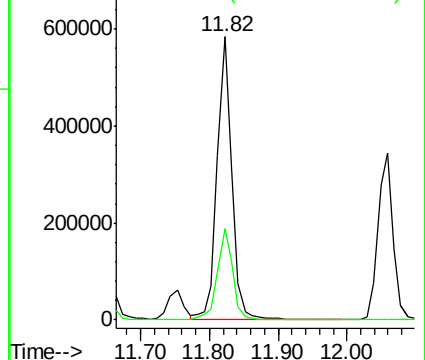
91 100

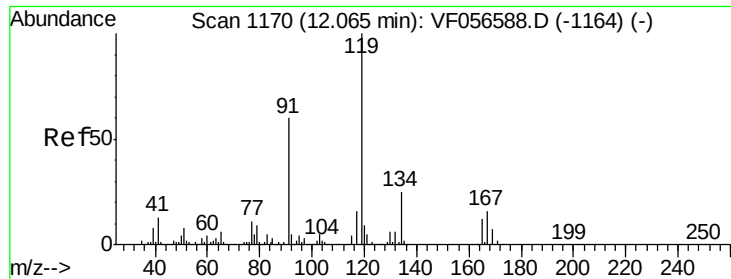
126 32.3 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

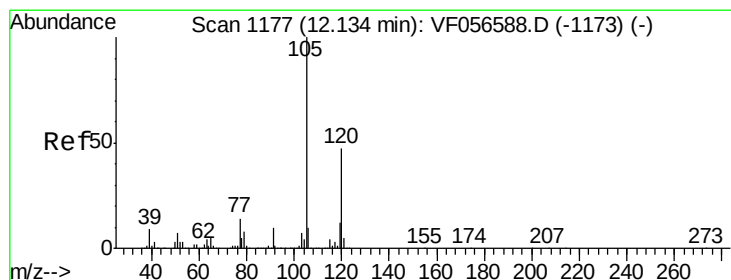
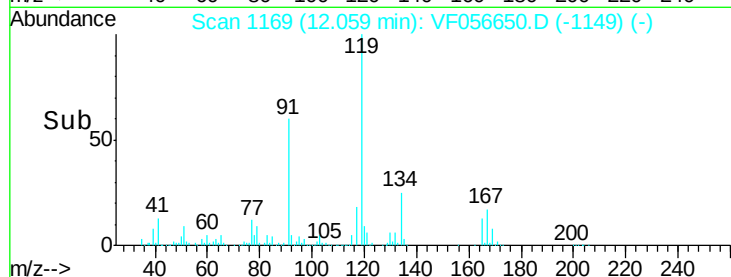
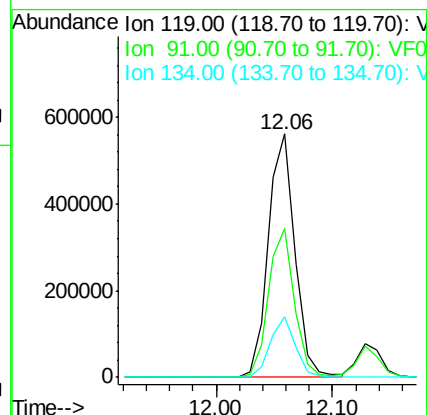
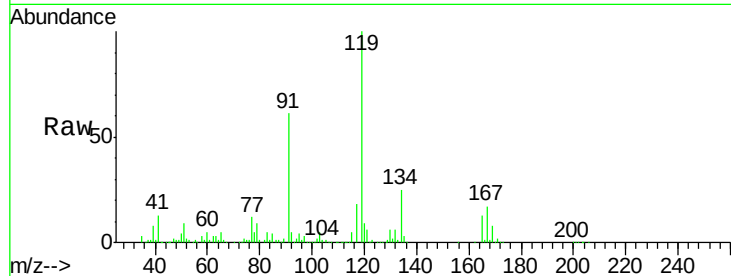




#83
 tert-Butylbenzene
 Concen: 50.04 ug/l
 RT: 12.06 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

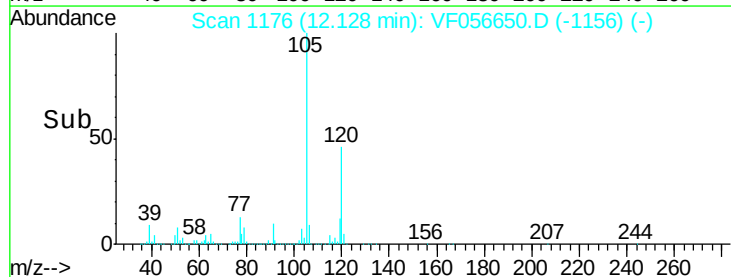
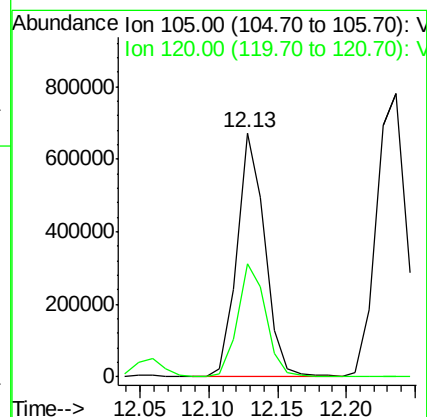
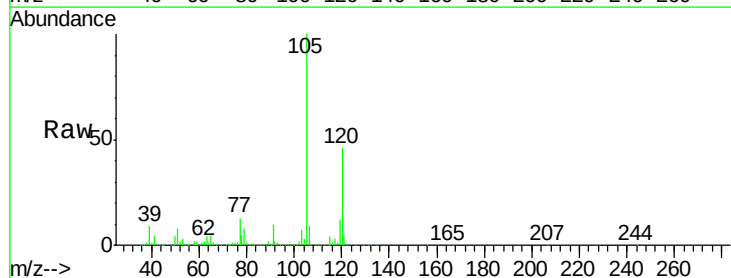
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

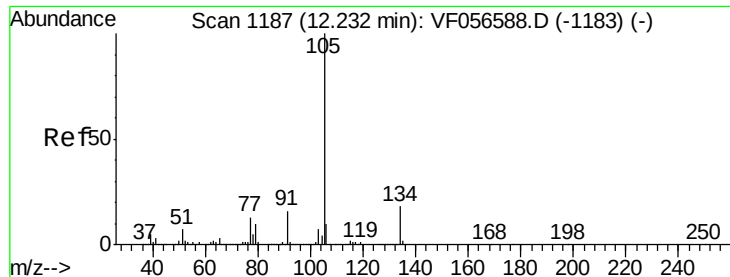
Tgt Ion:119 Resp: 888955
 Ion Ratio Lower Upper
 119 100
 91 61.2 29.8 89.4
 134 25.0 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 49.45 ug/l
 RT: 12.13 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

Tgt Ion:105 Resp: 946125
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.5 70.5





#85

sec-Butylbenzene

Concen: 49.17 ug/l

RT: 12.24 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

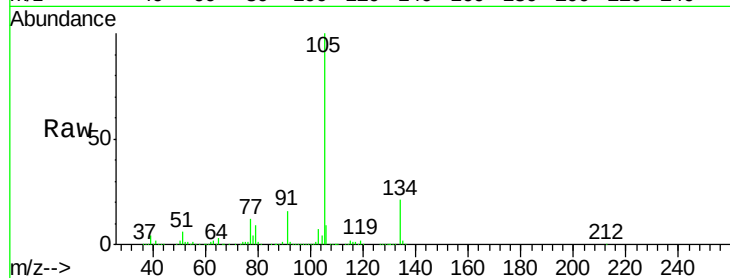
VSTDCCC050

Tgt Ion:105 Resp: 1202665

Ion Ratio Lower Upper

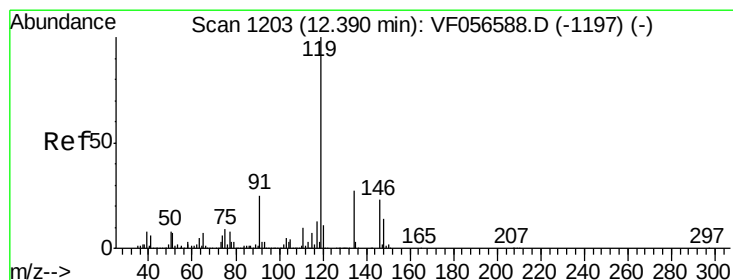
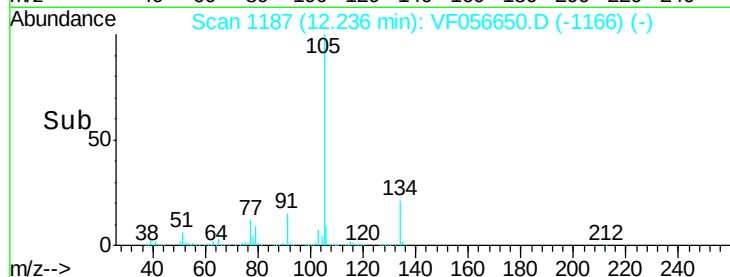
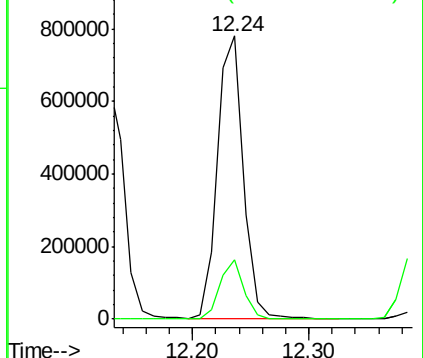
105 100

134 20.8 9.1 27.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.42 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

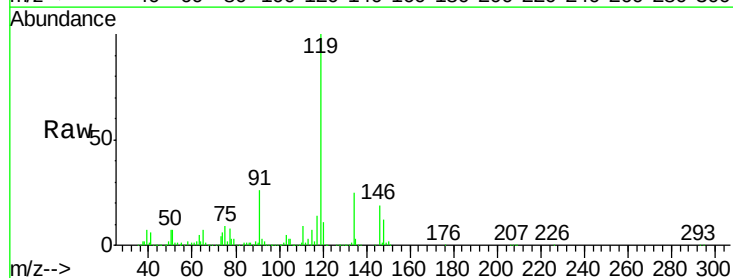
Tgt Ion:119 Resp: 950845

Ion Ratio Lower Upper

119 100

134 25.0 13.4 40.2

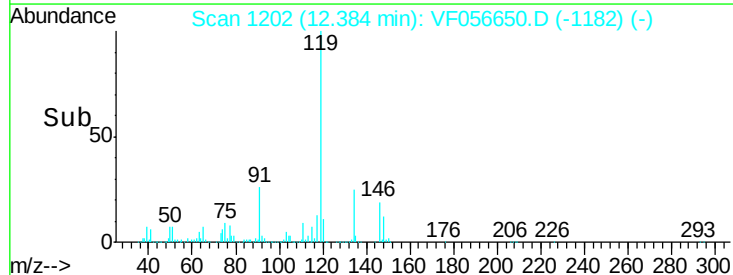
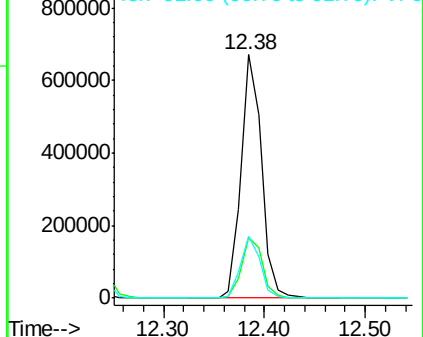
91 25.6 12.7 38.0

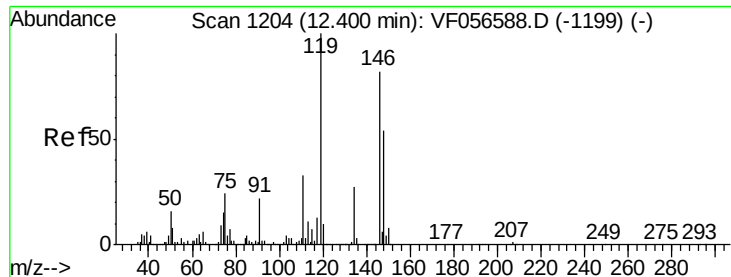


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 46.75 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

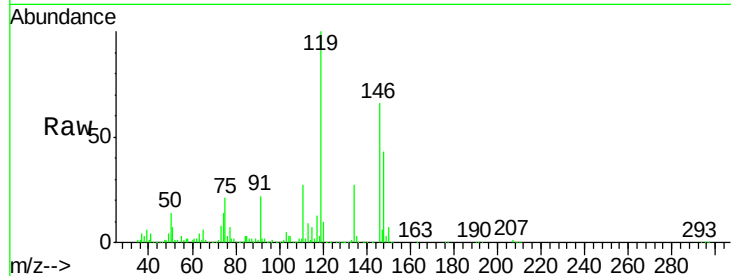
Tgt Ion:146 Resp: 516304

Ion Ratio Lower Upper

146 100

111 41.0 20.0 60.0

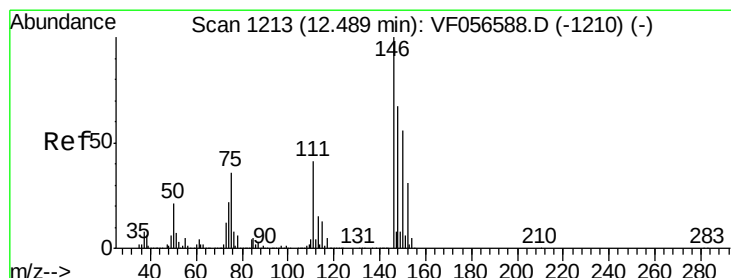
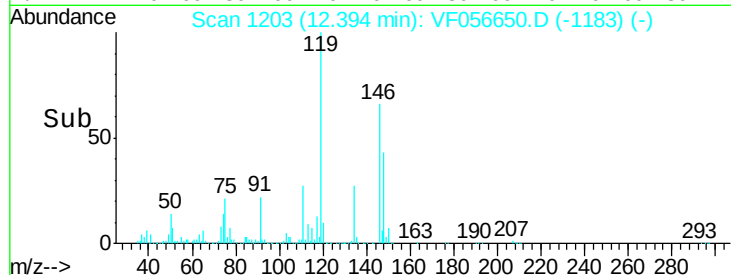
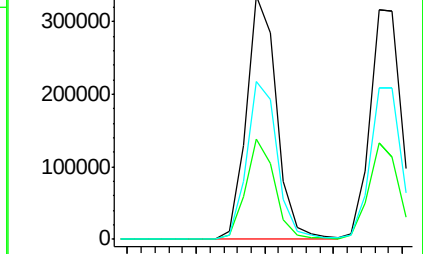
148 65.0 32.6 97.7



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



#88

1,4-Dichlorobenzene

Concen: 48.48 ug/l

RT: 12.48 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

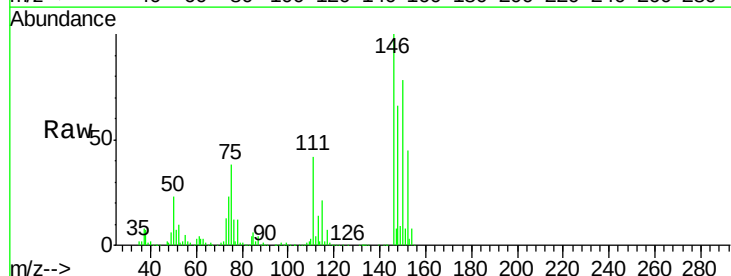
Tgt Ion:146 Resp: 514078

Ion Ratio Lower Upper

146 100

111 41.9 20.6 61.9

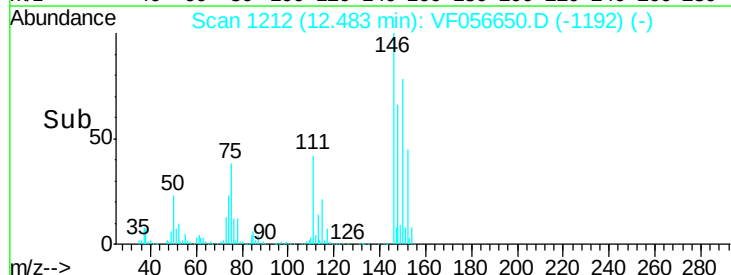
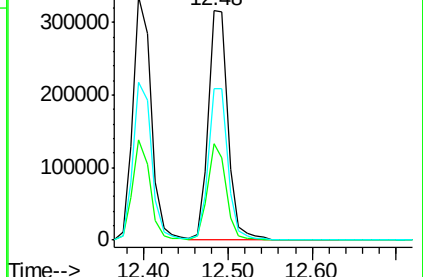
148 66.0 33.4 100.2

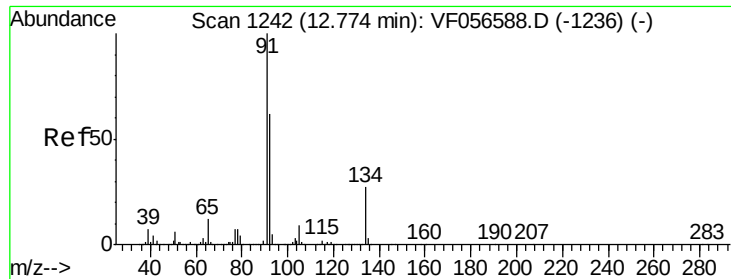


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

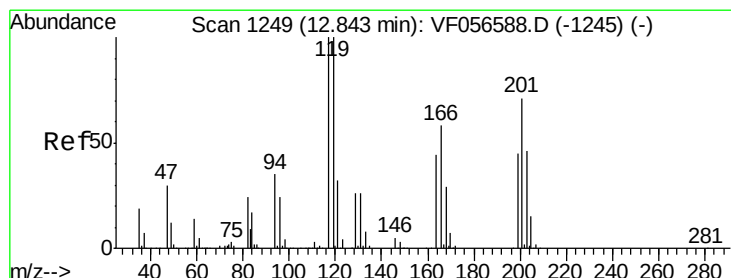
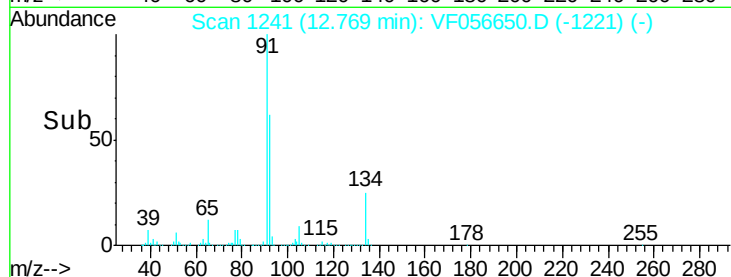
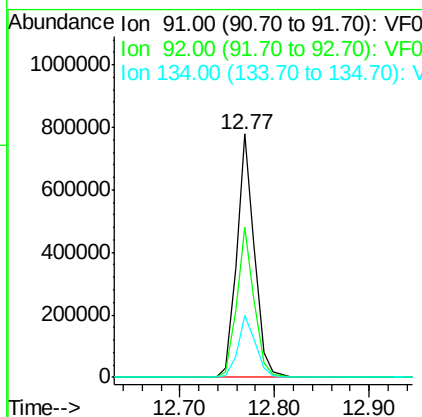
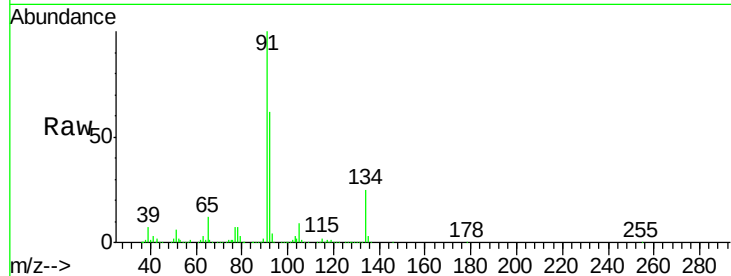




#89
n-Butylbenzene
Concen: 55.22 ug/l
RT: 12.77 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

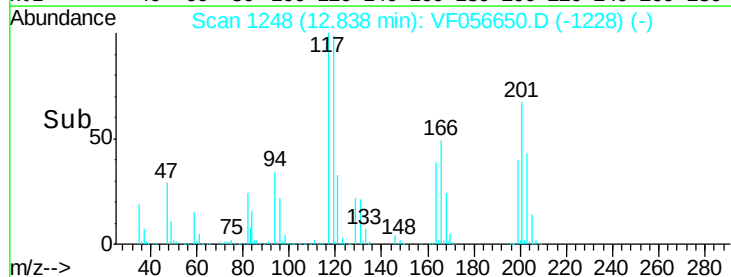
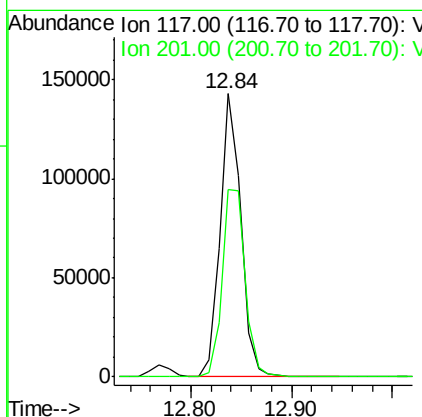
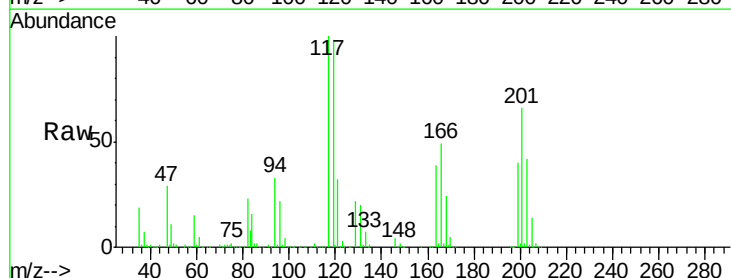
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

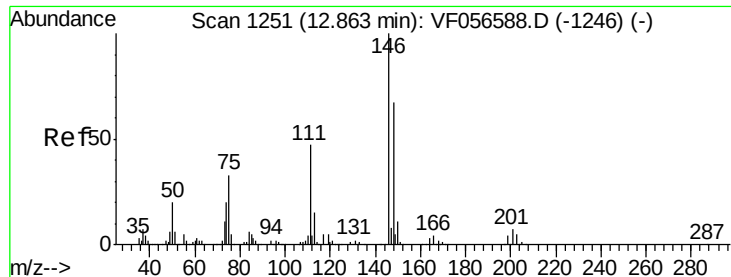
Tgt Ion: 91 Resp: 1003652
Ion Ratio Lower Upper
91 100
92 61.7 30.9 92.7
134 25.2 13.7 41.0



#90
Hexachloroethane
Concen: 54.58 ug/l
RT: 12.84 min Scan# 1248
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion: 117 Resp: 206009
Ion Ratio Lower Upper
117 100
201 66.2 35.4 106.2





#91

1,2-Dichlorobenzene

Concen: 48.71 ug/l

RT: 12.87 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

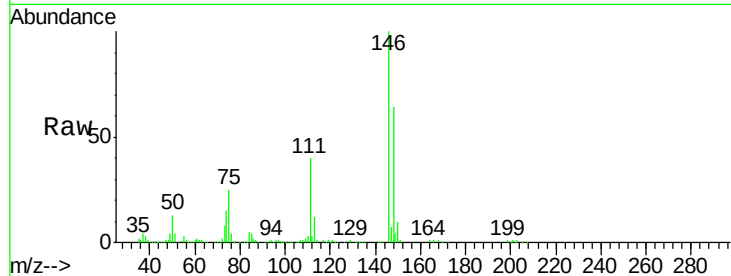
Tgt Ion:146 Resp: 516170

Ion Ratio Lower Upper

146 100

111 40.0 23.4 70.3

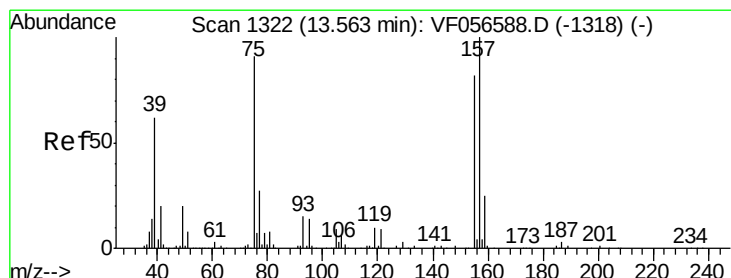
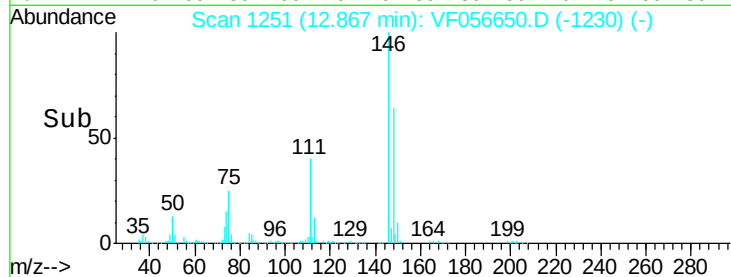
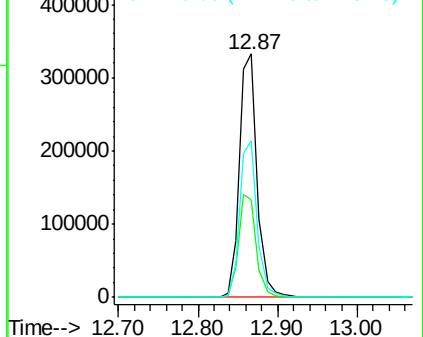
148 64.3 33.6 100.6



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: 47.82 ug/l

RT: 13.56 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

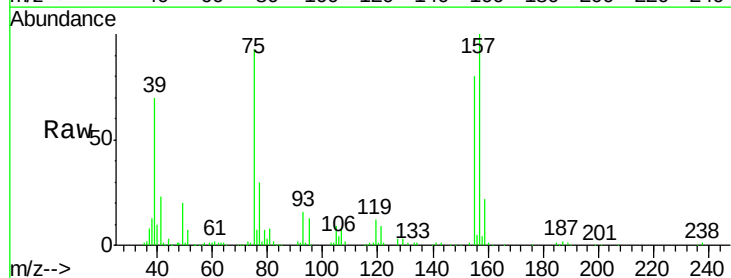
Tgt Ion: 75 Resp: 59671

Ion Ratio Lower Upper

75 100

155 86.9 45.1 135.3

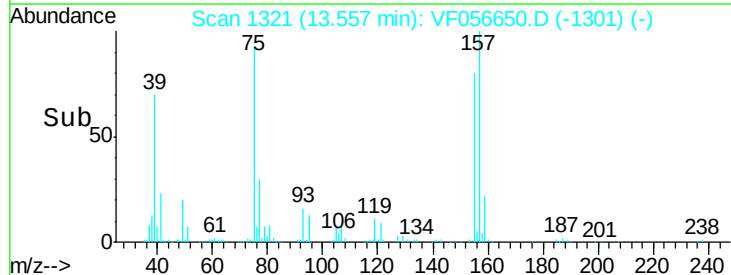
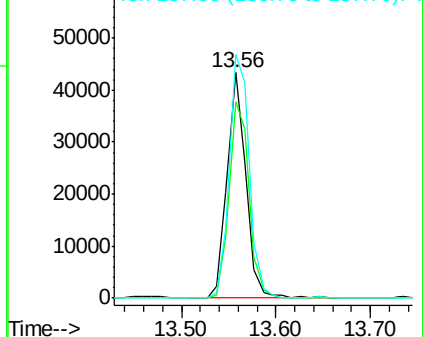
157 108.0 54.9 164.8

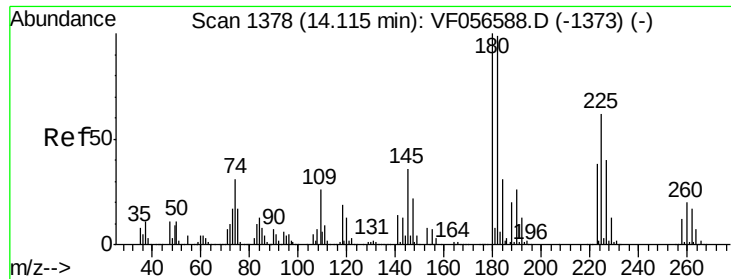


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

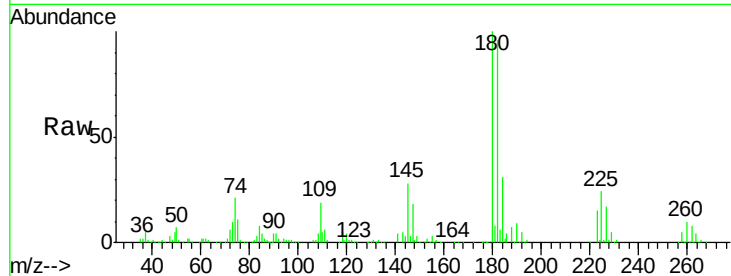




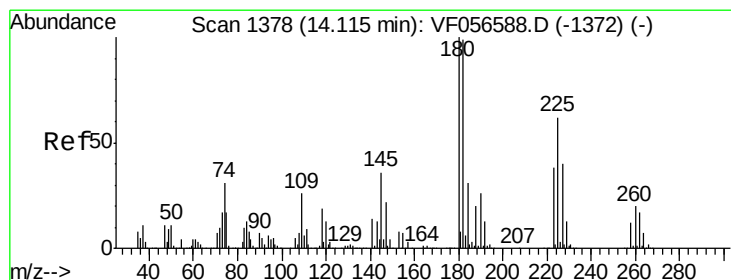
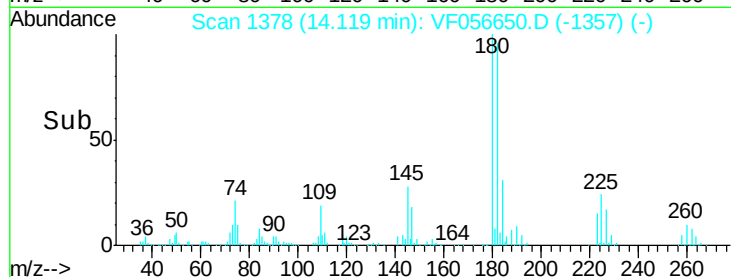
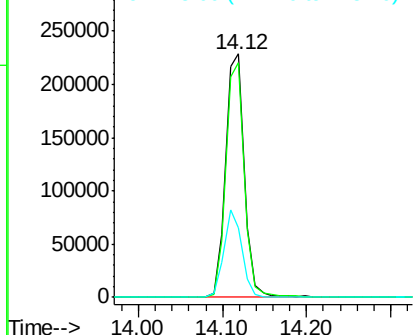
#93
 1,2,4-Trichlorobenzene
 Concen: 49.10 ug/l
 RT: 14.12 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 353191
 Ion Ratio Lower Upper
 180 100
 182 96.4 49.5 148.5
 145 28.3 17.8 53.5

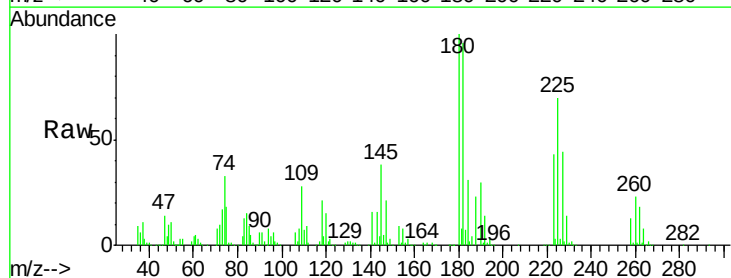


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

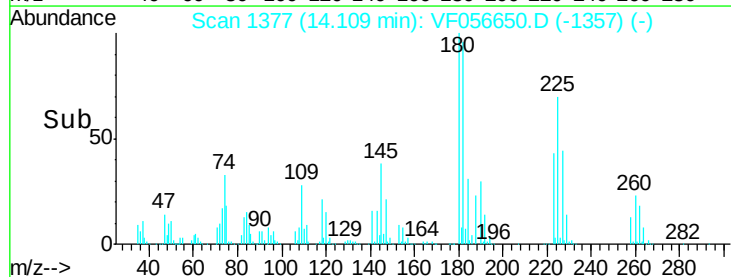
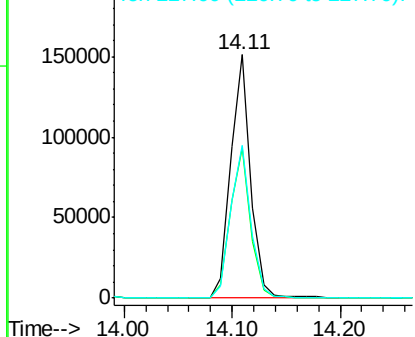


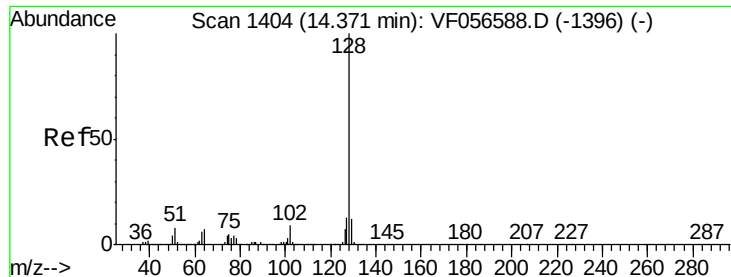
#94
 Hexachlorobutadiene
 Concen: 47.20 ug/l
 RT: 14.11 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

Tgt Ion:225 Resp: 193629
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.1 93.3
 227 62.6 32.1 96.3



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

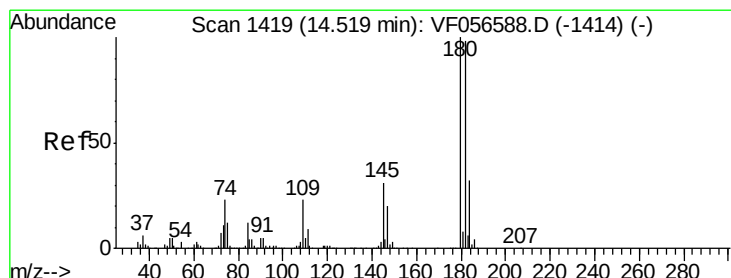
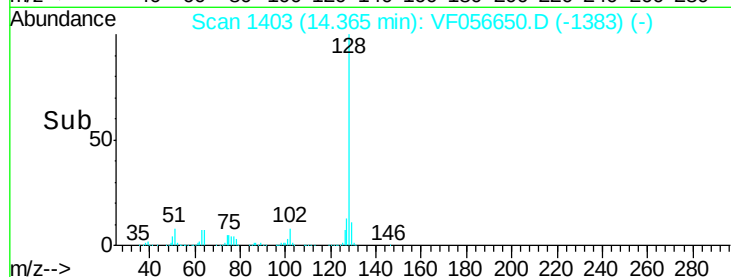
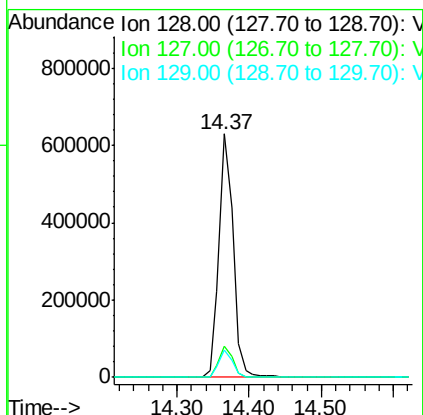
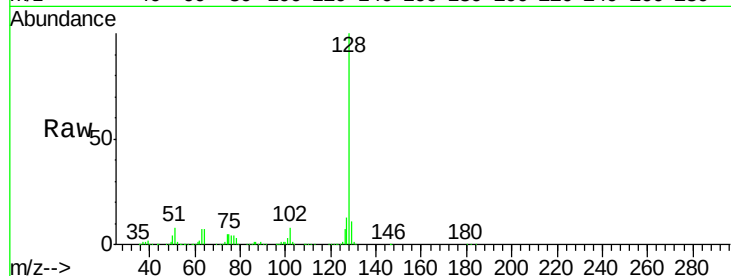




#95
Naphthalene
Concen: 47.16 ug/l
RT: 14.37 min Scan# 1403
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 853453
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.1 9.4 14.0



#96
1,2,3-Trichlorobenzene
Concen: 47.58 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion:180 Resp: 330689
Ion Ratio Lower Upper
180 100
182 97.1 49.0 147.2
145 31.9 15.4 46.1

