

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF060618\
 Data File : VF058114.D
 Acq On : 6 Jun 2018 18:37
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 07 05:59:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 05:56:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	346958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	580402	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	552801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	307817	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	441303	102.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	204.64%	
35) Dibromofluoromethane	4.29	113	394499	91.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	183.28%	
50) Toluene-d8	7.71	98	1133790	88.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	177.74%	
62) 4-Bromofluorobenzene	11.51	95	570138	89.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	178.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	385077	91.90	ug/l	99
3) Chloromethane	1.08	50	282431	85.08	ug/l	99
4) Vinyl Chloride	1.15	62	274307	98.97	ug/l	98
5) Bromomethane	1.34	94	156638	99.81	ug/l	97
6) Chloroethane	1.42	64	116975	99.08	ug/l	91
7) Trichlorofluoromethane	1.48	101	129042	30.65	ug/l	98
8) Diethyl Ether	1.70	74	104096	101.53	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.90	101	258921	99.79	ug/l	98
10) Methyl Iodide	1.96	142	337326	73.12	ug/l	96
11) Tert butyl alcohol	2.68	59	139285	564.88	ug/l	97
12) 1,1-Dichloroethene	1.85	96	230468	102.08	ug/l	90
13) Acrolein	2.08	56	111000	692.03	ug/l	95
14) Allyl chloride	2.18	41	433471	100.43	ug/l	100
15) Acrylonitrile	3.07	53	301264	528.51	ug/l	96
16) Acetone	2.33	43	526625	557.72	ug/l	95
17) Carbon Disulfide	1.83	76	228682	35.30	ug/l	99
18) Methyl Acetate	2.44	43	176178	100.05	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	737850	104.36	ug/l	99
20) Methylene Chloride	2.27	84	130124	56.29	ug/l	95
21) trans-1,2-Dichloroethene	2.40	96	244106	100.16	ug/l	95
22) Diisopropyl ether	2.92	45	897696	106.24	ug/l	95
23) Vinyl Acetate	3.32	43	2900256	468.48	ug/l	99
24) 1,1-Dichloroethane	3.00	63	544914	104.11	ug/l	99
25) 2-Butanone	4.50	43	784382	512.10	ug/l	98
26) 2,2-Dichloropropane	3.76	77	365532	98.82	ug/l	92
27) cis-1,2-Dichloroethene	3.63	96	381292	94.08	ug/l	96
28) Bromochloromethane	3.88	49	231996	100.33	ug/l	# 95
29) Tetrahydrofuran	4.24	42	346701	490.37	ug/l	96
30) Chloroform	4.03	83	749693	95.48	ug/l	93
31) Cyclohexane	3.85	56	444520	90.24	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	548029	98.33	ug/l	98
36) 1,1-Dichloropropene	4.46	75	537506	91.57	ug/l	98
37) Ethyl Acetate	4.28	43	343300	99.18	ug/l	97
38) Carbon Tetrachloride	4.16	117	656332	105.24	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	544522	89.77	ug/l	99
40) Benzene	4.80	78	1243159	90.45	ug/l	98
41) Methacrylonitrile	4.92	41	176713	100.81	ug/l	94
42) 1,2-Dichloroethane	5.12	62	592949	100.47	ug/l	98
43) Isopropyl Acetate	7.11	43	485723	103.51	ug/l #	94
44) Trichloroethene	5.67	130	386561	90.30	ug/l	98
45) 1,2-Dichloropropane	6.40	63	357553	89.49	ug/l	95
46) Dibromomethane	6.25	93	289678	96.05	ug/l	96
47) Bromodichloromethane	6.54	83	630344	94.73	ug/l	99
48) Methyl methacrylate	6.87	41	301717	101.72	ug/l	96
49) 1,4-Dioxane	6.85	88	36023	1759.98	ug/l	94
51) 4-Methyl-2-Pentanone	8.40	43	1523121	467.56	ug/l	98
52) Toluene	7.78	92	874575	89.63	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	603799	94.98	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	695164	95.18	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	333601	94.03	ug/l	95
56) Ethyl methacrylate	8.76	69	445334	99.26	ug/l	97
57) 1,3-Dichloropropane	9.00	76	571224	92.48	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	141461	456.05	ug/l	100
59) 2-Hexanone	9.63	43	1213665	475.79	ug/l	100
60) Dibromochloromethane	8.86	129	496467	98.42	ug/l	99
61) 1,2-Dibromoethane	9.14	107	403323	95.29	ug/l	96
64) Tetrachloroethene	8.30	164	390158	93.50	ug/l	94
65) Chlorobenzene	9.94	112	1052967	94.01	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	419501	95.82	ug/l	98
67) Ethyl Benzene	10.03	91	1773751	90.10	ug/l	99
68) m/p-Xylenes	10.27	106	1271264	174.18	ug/l	95
69) o-Xylene	10.82	106	737225	92.74	ug/l	98
70) Styrene	10.90	104	1085905	91.10	ug/l	98
71) Bromoform	10.89	173	308429	102.44	ug/l #	95
73) Isopropylbenzene	11.23	105	1958211	89.58	ug/l	96
74) N-amyl acetate	11.46	43	747129	91.65	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	490428	93.66	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	368319	96.40	ug/l	100
77) Bromobenzene	11.59	156	516023	94.73	ug/l	93
78) n-propylbenzene	11.69	91	2268658	86.86	ug/l	96
79) 2-Chlorotoluene	11.81	91	1344716	87.15	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	1574498	86.88	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	248637	102.75	ug/l	98
82) 4-Chlorotoluene	11.99	91	1456527	89.51	ug/l	99
83) tert-Butylbenzene	12.21	119	1555861	85.84	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	1596145	84.90	ug/l	98
85) sec-Butylbenzene	12.39	105	2104490	85.72	ug/l	95
86) p-Isopropyltoluene	12.54	119	1776051	86.78	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	899793	89.60	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	908461	94.23	ug/l	97
89) n-Butylbenzene	12.92	91	1727698	80.99	ug/l	94
90) Hexachloroethane	12.99	117	463064	93.81	ug/l	88
91) 1,2-Dichlorobenzene	13.02	146	901979	92.53	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	105642	105.78	ug/l	89

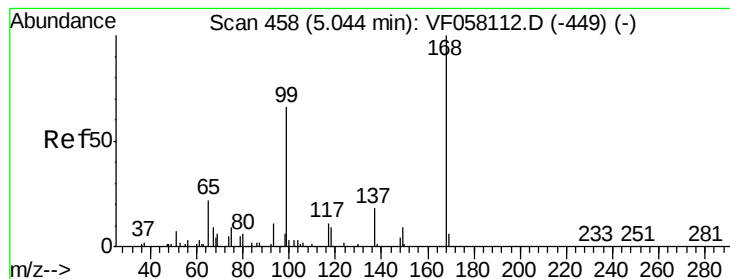
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	639936	93.60	ug/l	94
94) Hexachlorobutadiene	14.25	225	362051	91.72	ug/l	96
95) Naphthalene	14.52	128	1476629	101.17	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	616275	95.67	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

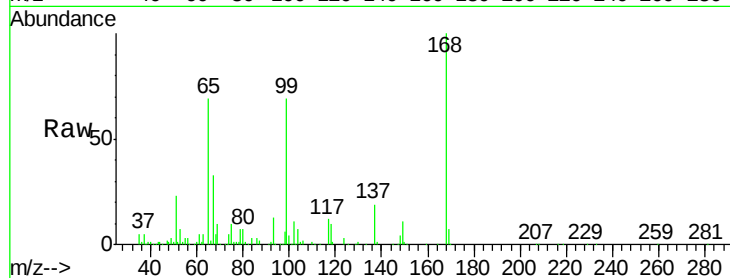
VSTDIC100

Tgt Ion:168 Resp: 346958

Ion Ratio Lower Upper

168 100

99 69.4 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

120000

100000

80000

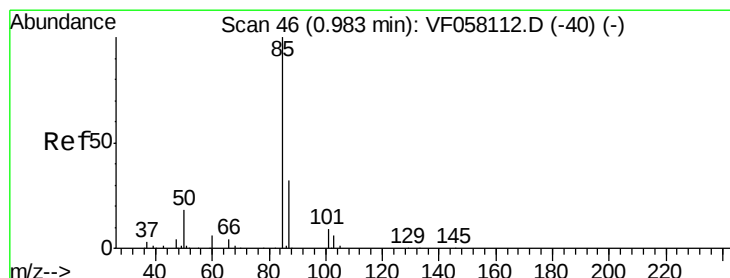
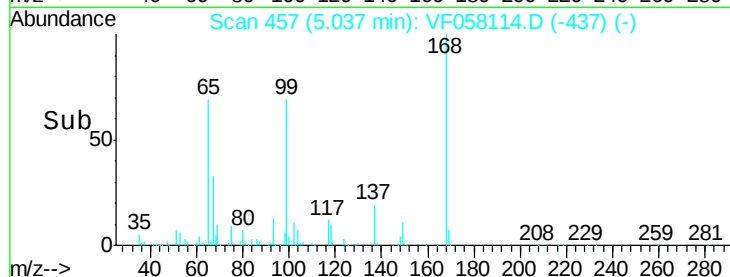
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 91.90 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF058114.D

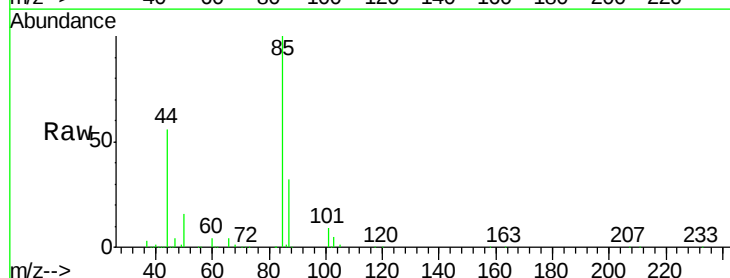
Acq: 6 Jun 2018 18:37

Tgt Ion: 85 Resp: 385077

Ion Ratio Lower Upper

85 100

87 31.7 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

100000

80000

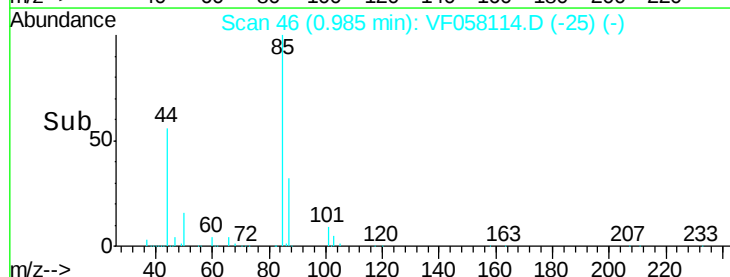
60000

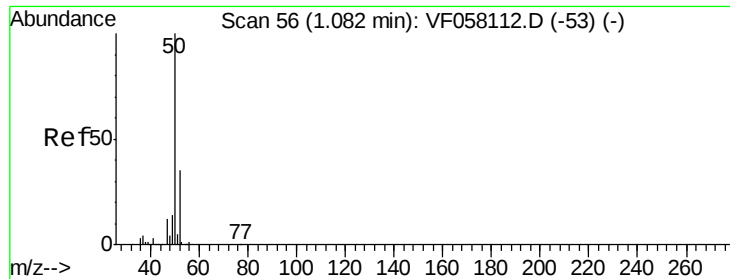
40000

20000

0

Time-->





#3

Chloromethane

Concen: 85.08 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

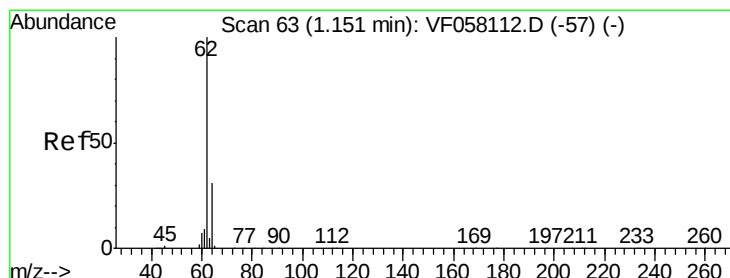
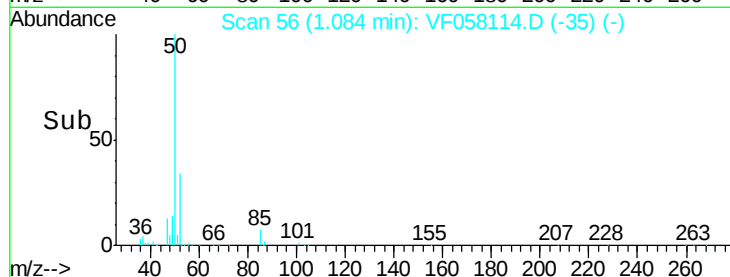
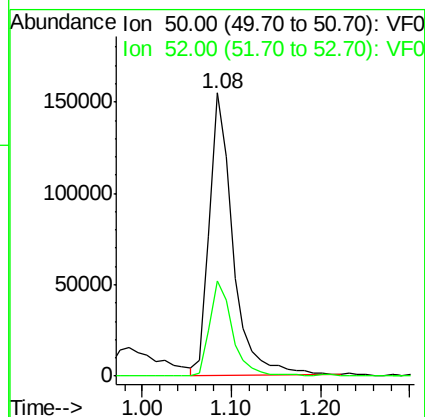
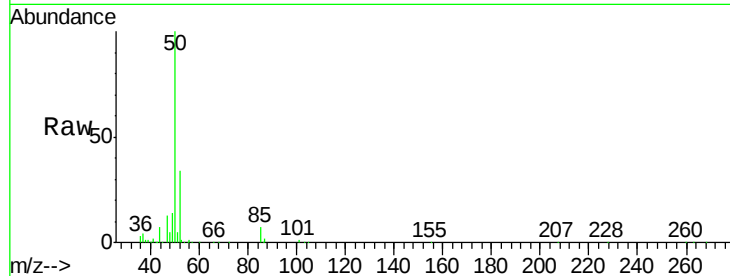
VSTDIC100

Tgt Ion: 50 Resp: 282431

Ion Ratio Lower Upper

50 100

52 33.6 27.3 40.9



#4

Vinyl Chloride

Concen: 98.97 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF058114.D

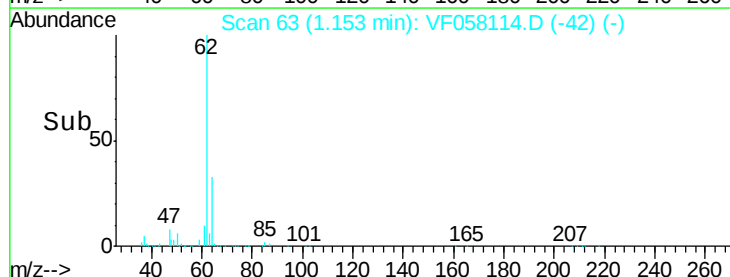
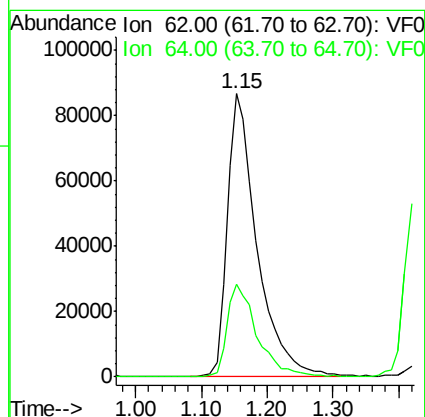
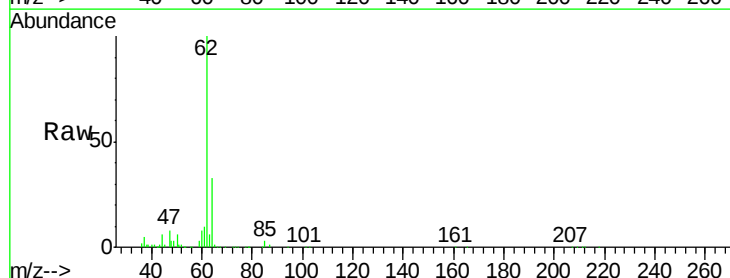
Acq: 6 Jun 2018 18:37

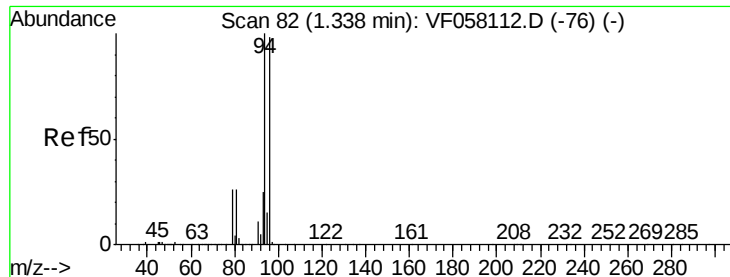
Tgt Ion: 62 Resp: 274307

Ion Ratio Lower Upper

62 100

64 32.5 25.0 37.6





#5

Bromomethane

Concen: 99.81 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

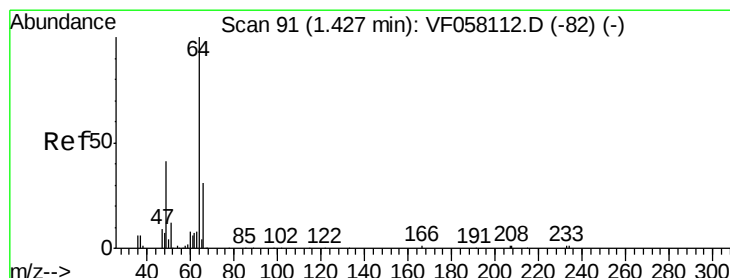
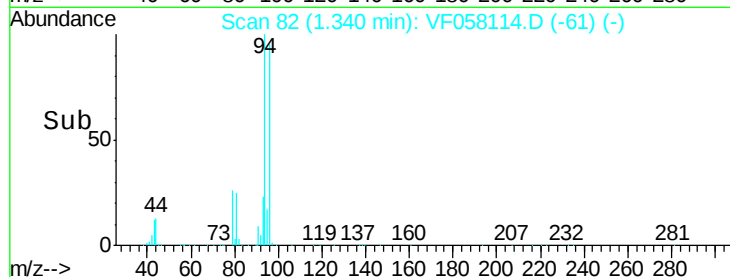
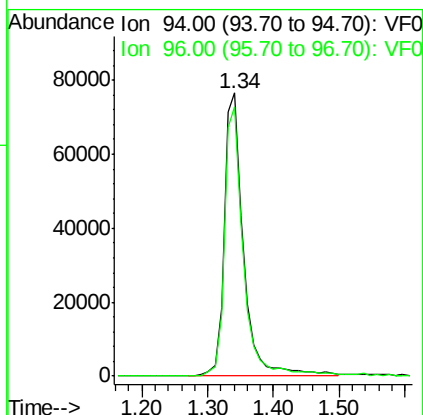
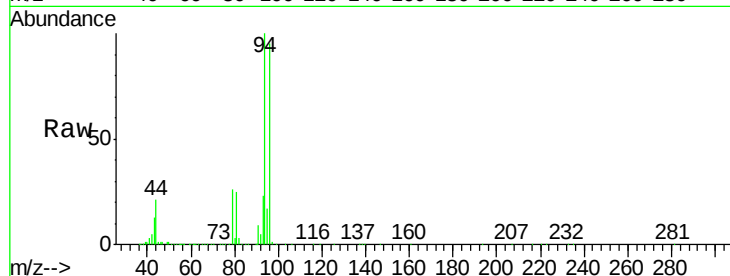
VSTDIC100

Tgt Ion: 94 Resp: 156638

Ion Ratio Lower Upper

94 100

96 95.3 78.6 117.8



#6

Chloroethane

Concen: 99.08 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF058114.D

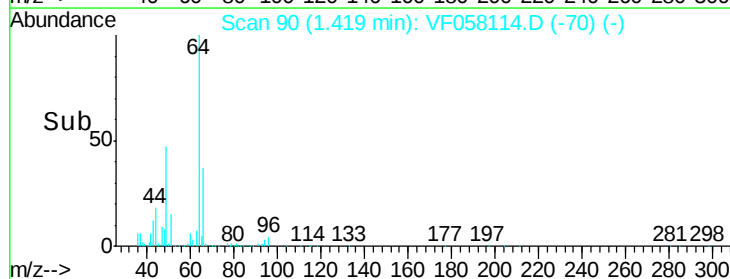
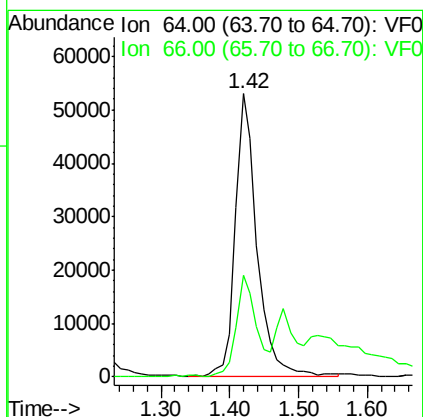
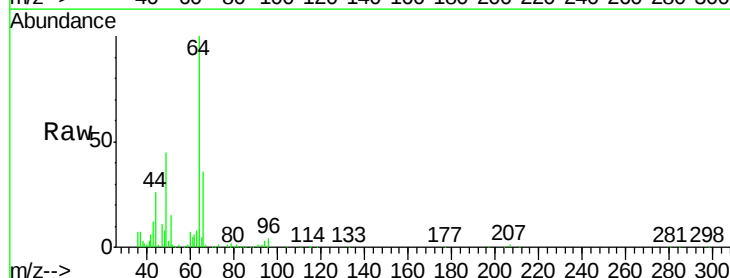
Acq: 6 Jun 2018 18:37

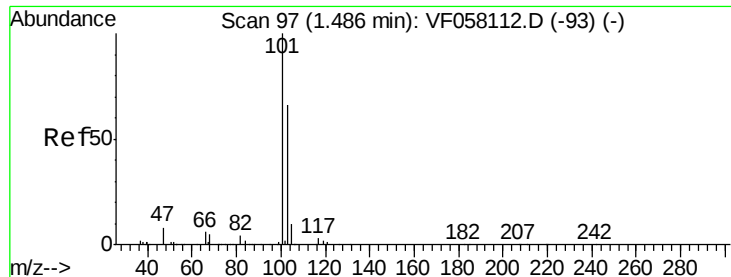
Tgt Ion: 64 Resp: 116975

Ion Ratio Lower Upper

64 100

66 35.8 24.9 37.3





#7

Trichlorofluoromethane

Concen: 30.65 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

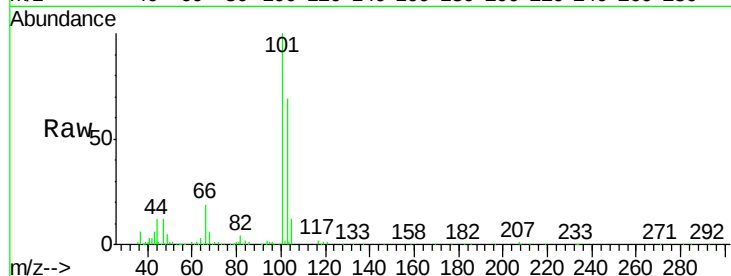
VSTDIC100

Tgt Ion:101 Resp: 129042

Ion Ratio Lower Upper

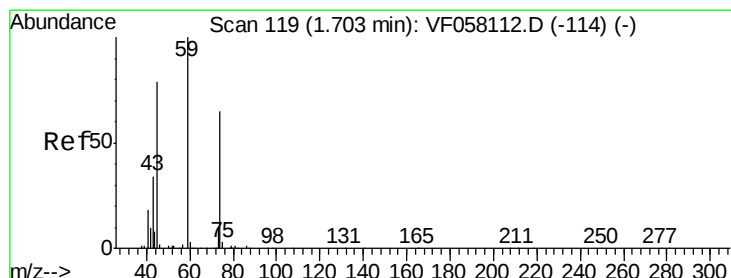
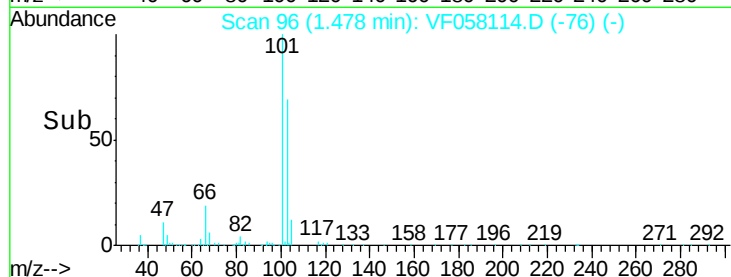
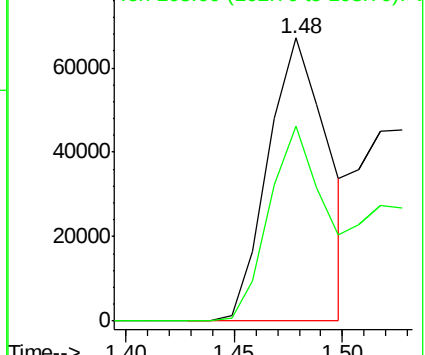
101 100

103 68.7 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 101.53 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF058114.D

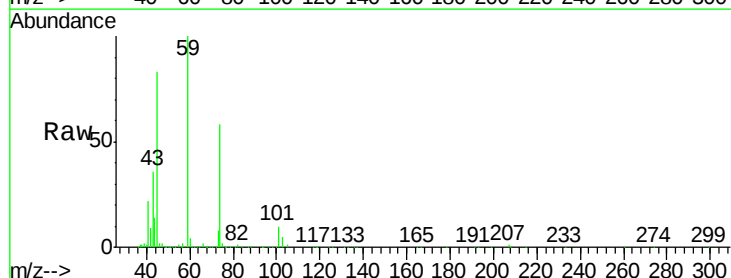
Acq: 6 Jun 2018 18:37

Tgt Ion: 74 Resp: 104096

Ion Ratio Lower Upper

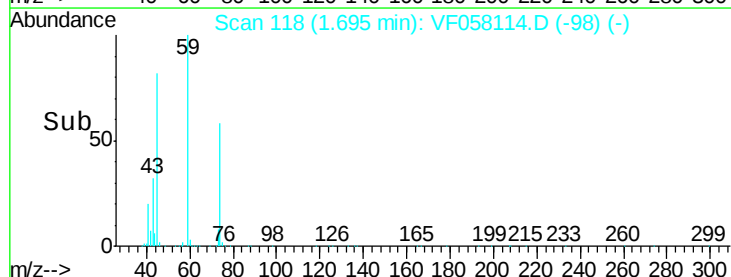
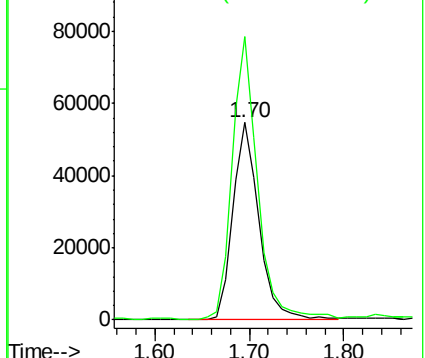
74 100

45 143.6 61.5 184.4



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: 99.79 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

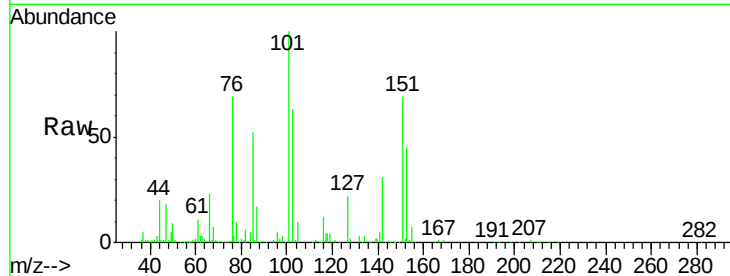
Tgt Ion:101 Resp: 258921

Ion Ratio Lower Upper

101 100

85 51.8 42.2 63.4

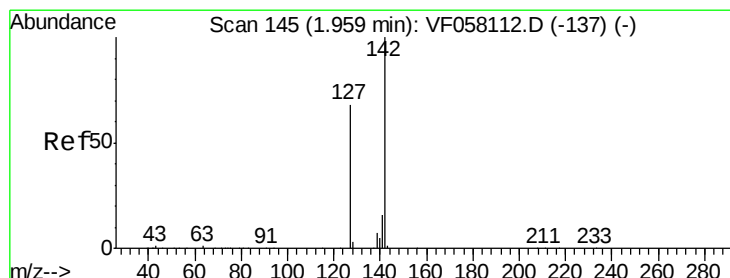
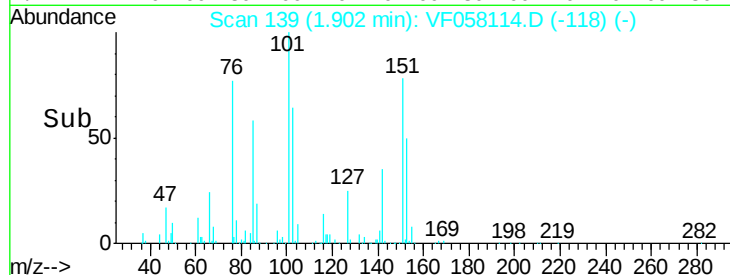
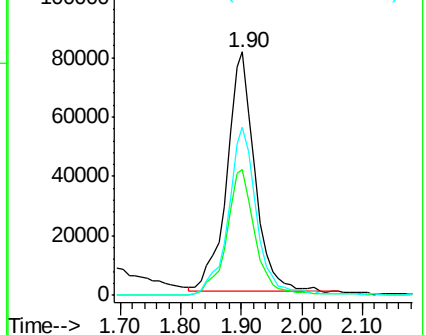
151 68.9 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 73.12 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

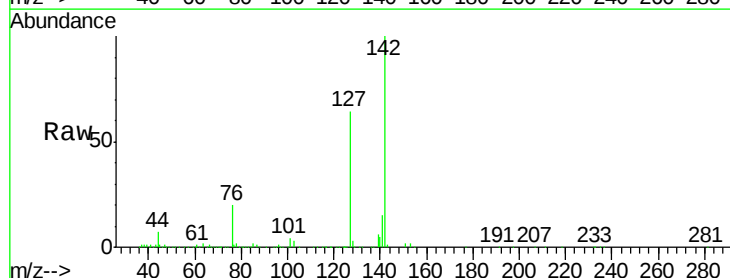
Tgt Ion:142 Resp: 337326

Ion Ratio Lower Upper

142 100

127 64.4 54.1 81.1

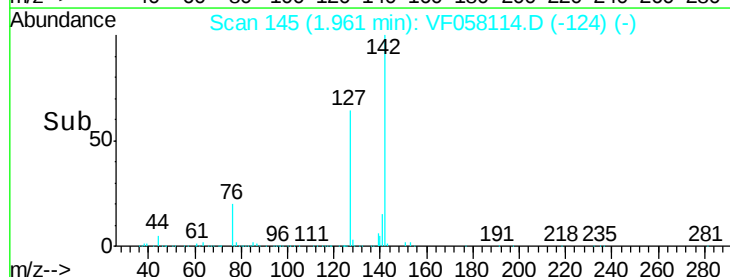
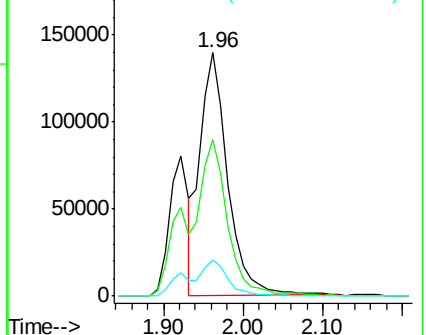
141 15.0 13.0 19.4

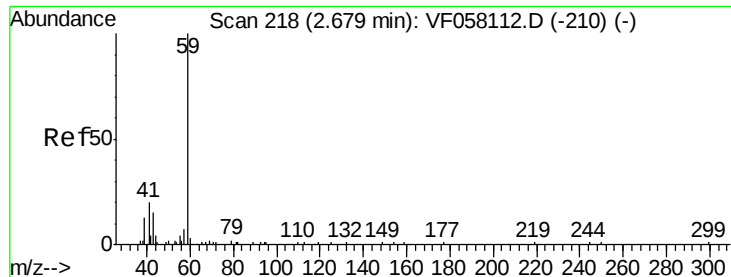


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



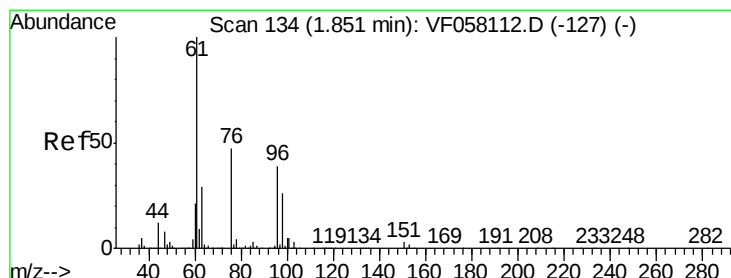
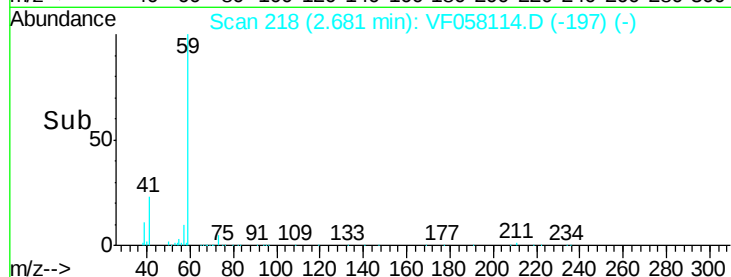
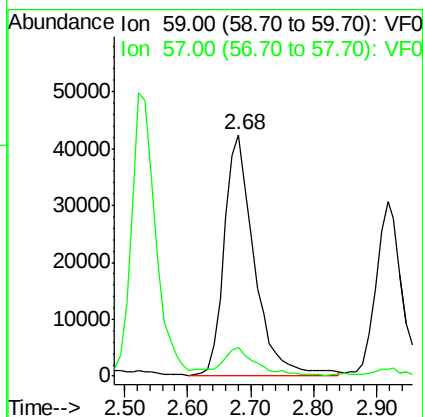
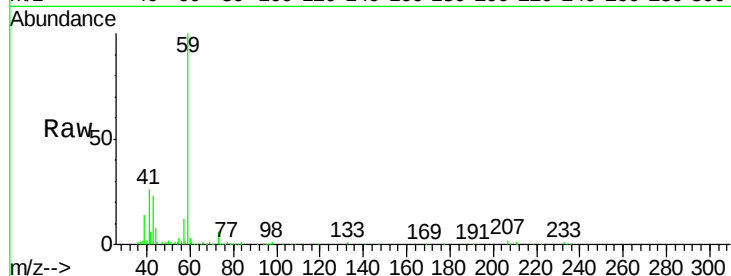


#11

Tert butyl alcohol
Concen: 564.88 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF058114.D
Acq: 6 Jun 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

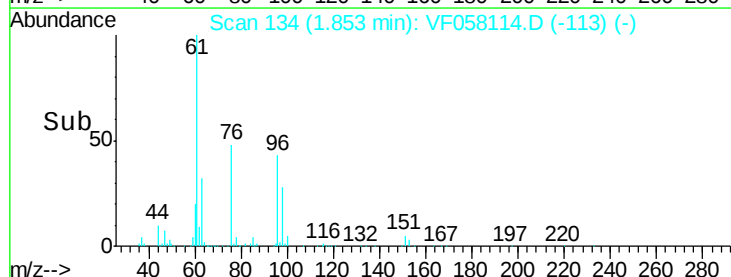
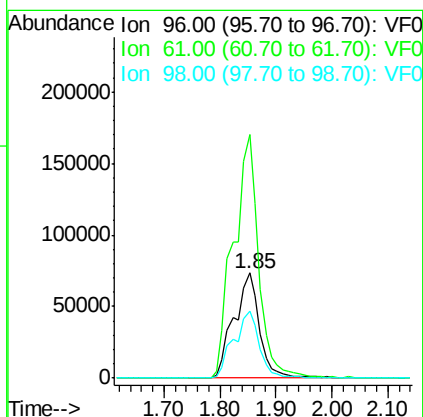
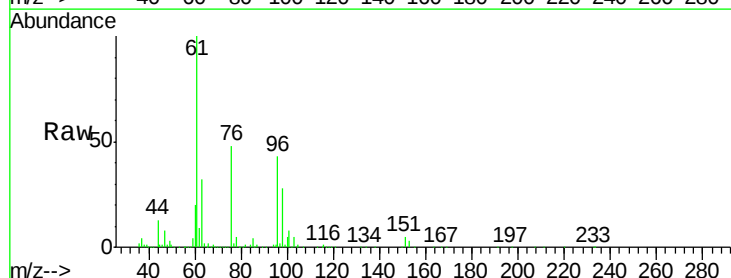
Tgt Ion: 59 Resp: 139285
Ion Ratio Lower Upper
59 100
57 11.9 8.7 13.1

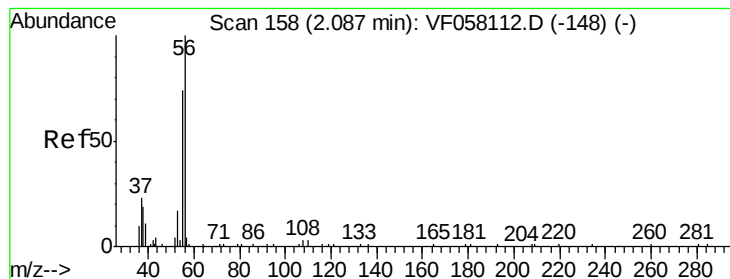


#12

1,1-Dichloroethene
Concen: 102.08 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF058114.D
Acq: 6 Jun 2018 18:37

Tgt Ion: 96 Resp: 230468
Ion Ratio Lower Upper
96 100
61 232.0 203.0 304.4
98 64.3 52.7 79.1





#13

Acrolein

Concen: 692.03 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

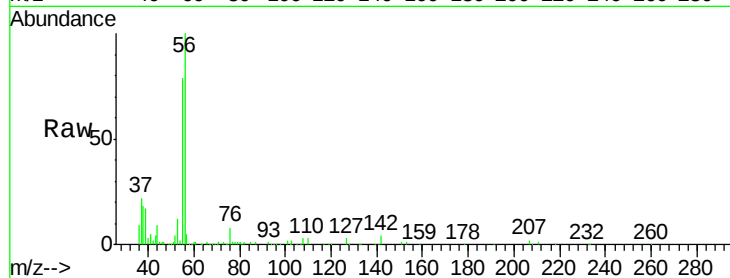
VSTDIC100

Tgt Ion: 56 Resp: 111000

Ion Ratio Lower Upper

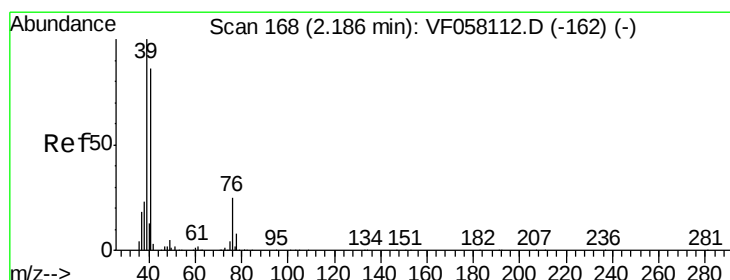
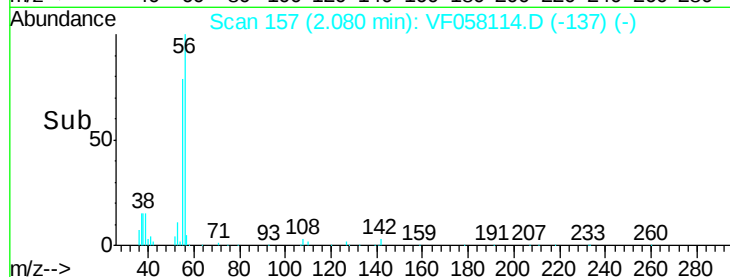
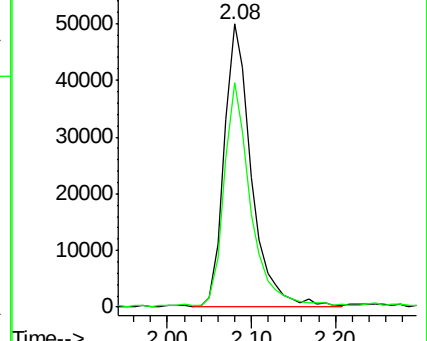
56 100

55 79.2 60.0 90.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 100.43 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

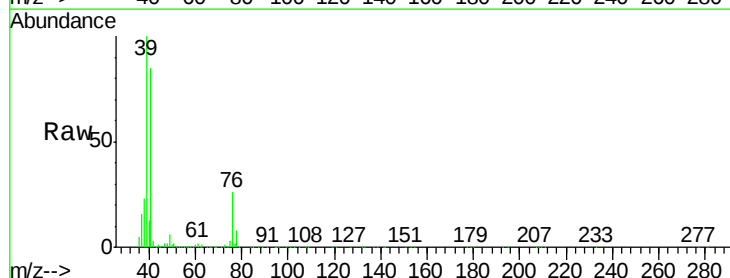
Tgt Ion: 41 Resp: 433471

Ion Ratio Lower Upper

41 100

39 117.2 93.5 140.3

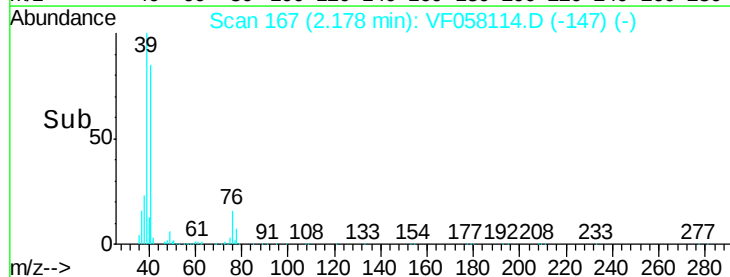
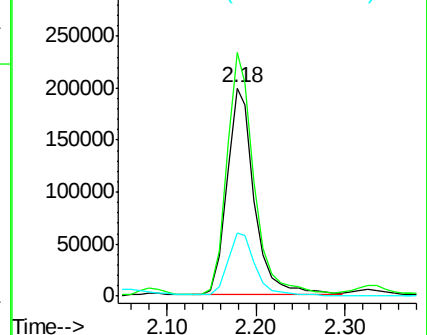
76 30.3 23.9 35.9

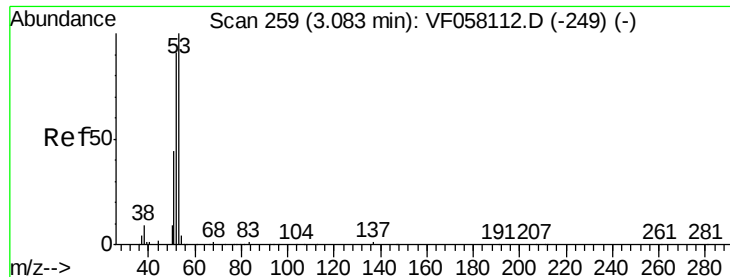


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 528.51 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

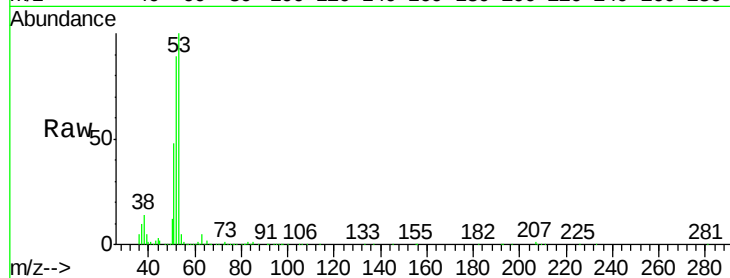
Tgt Ion: 53 Resp: 301264

Ion Ratio Lower Upper

53 100

52 88.7 73.2 109.8

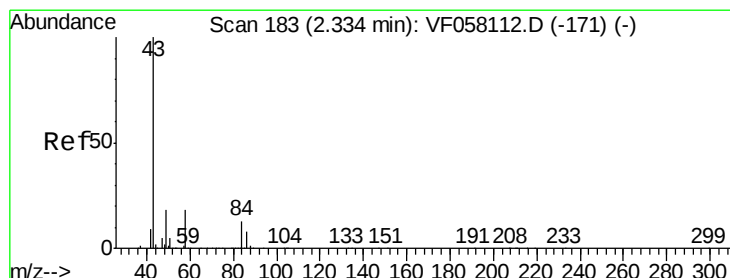
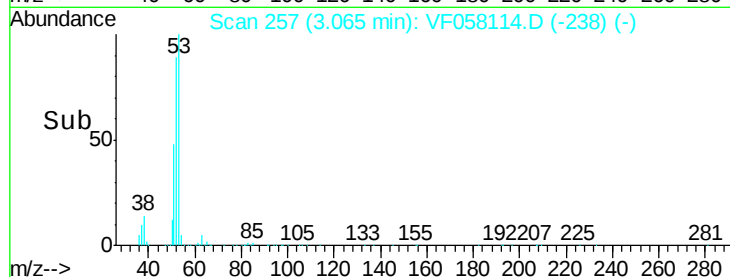
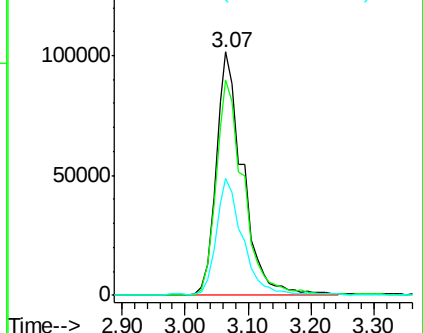
51 48.0 35.6 53.4



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 557.72 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF058114.D

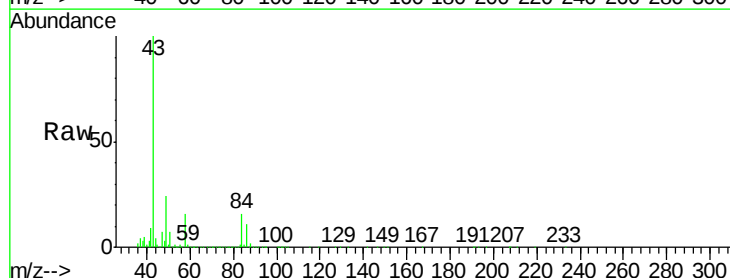
Acq: 6 Jun 2018 18:37

Tgt Ion: 43 Resp: 526625

Ion Ratio Lower Upper

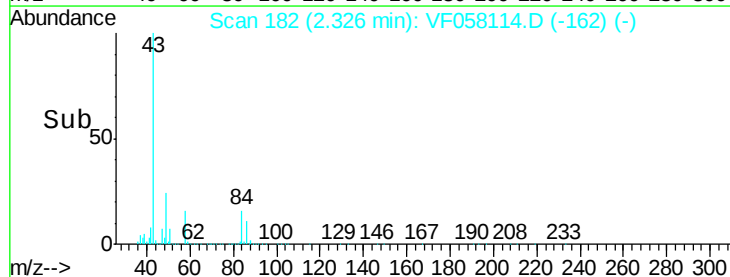
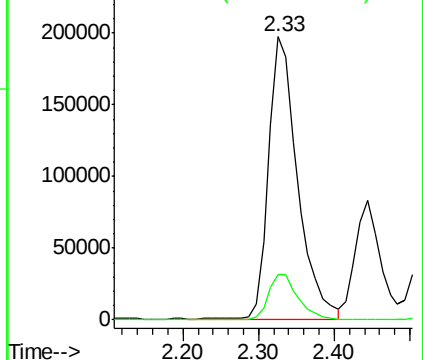
43 100

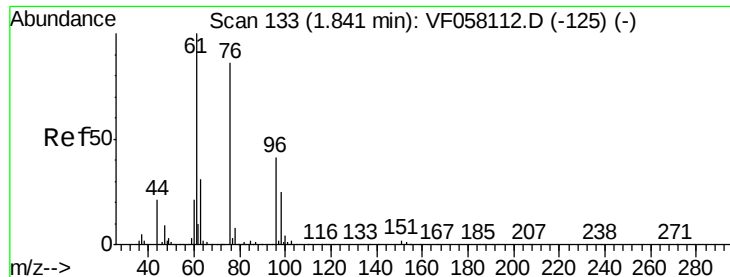
58 16.0 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 35.30 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

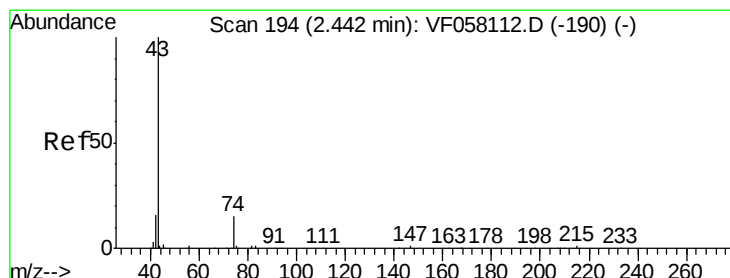
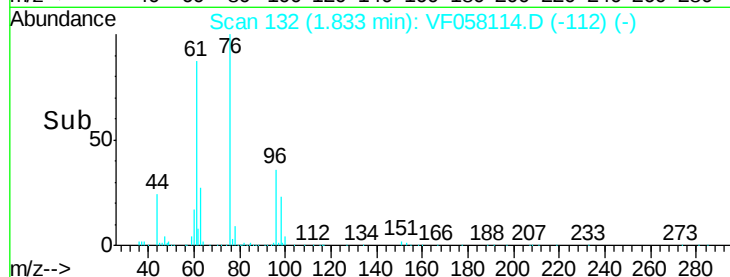
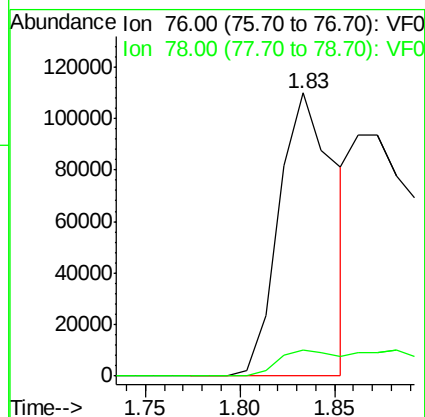
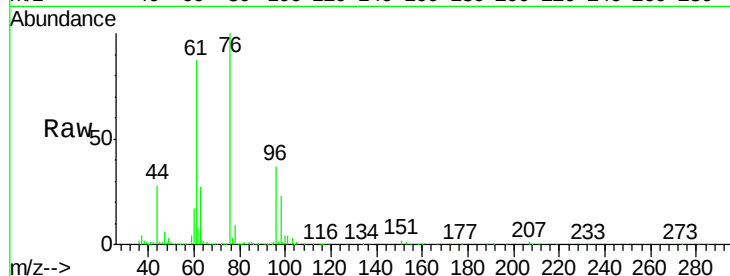
VSTDIC100

Tgt Ion: 76 Resp: 228682

Ion Ratio Lower Upper

76 100

78 9.4 7.8 11.8



#18

Methyl Acetate

Concen: 100.05 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF058114.D

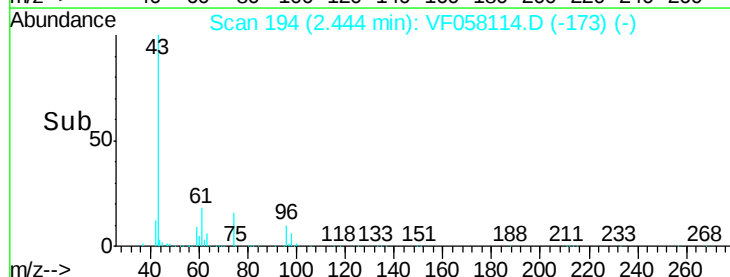
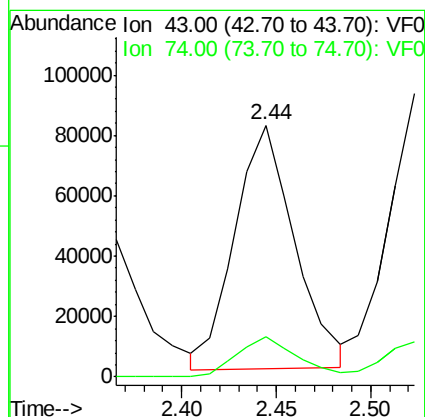
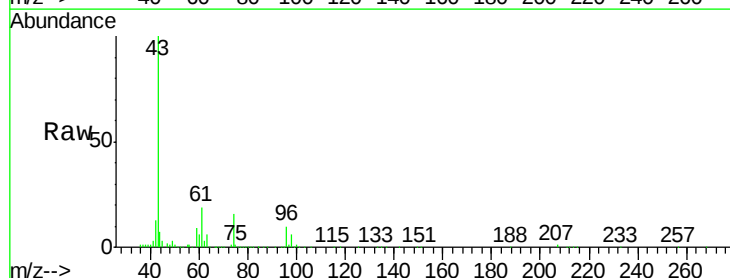
Acq: 6 Jun 2018 18:37

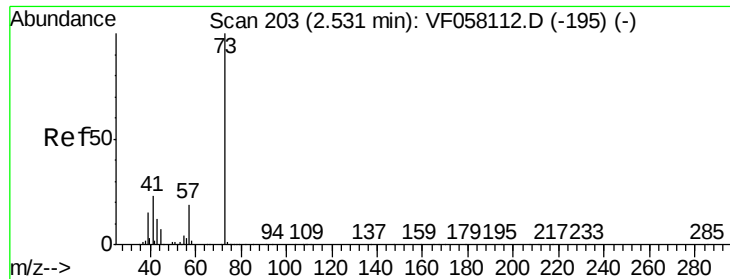
Tgt Ion: 43 Resp: 176178

Ion Ratio Lower Upper

43 100

74 16.0 10.9 16.3



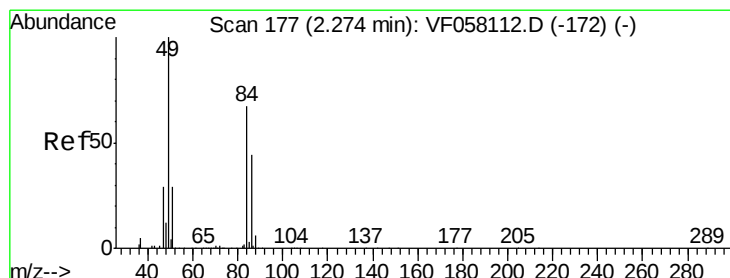
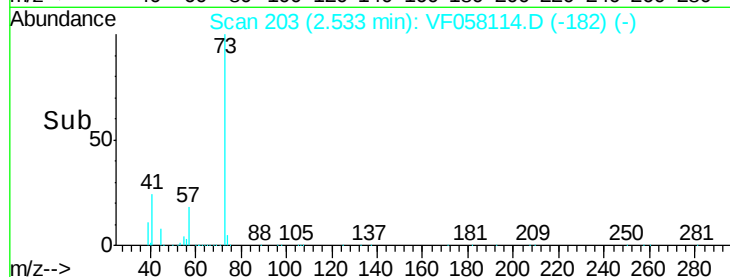
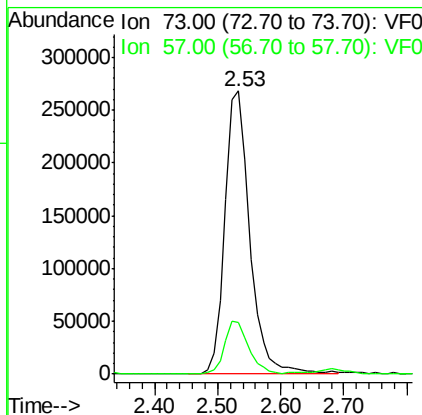
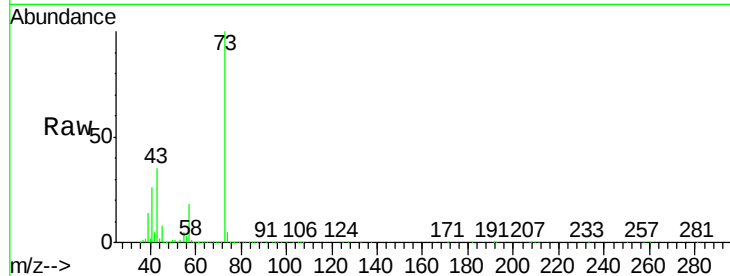


#19

Methyl tert-butyl Ether
Concen: 104.36 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF058114.D
Acq: 6 Jun 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

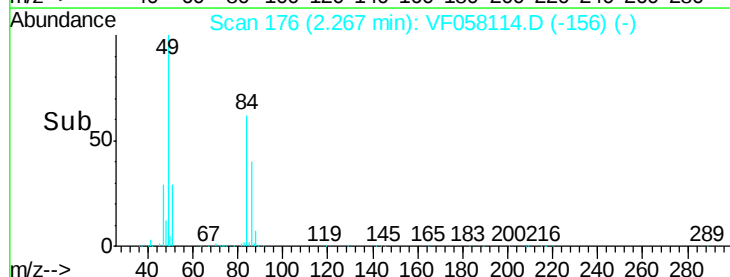
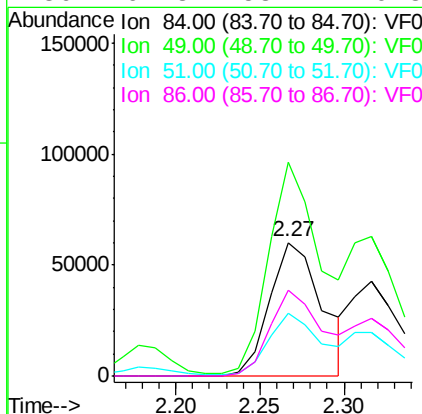
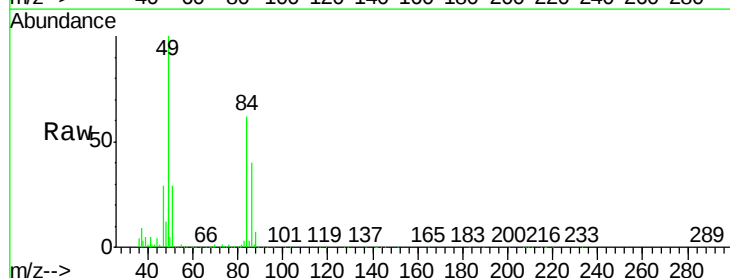
Tgt Ion: 73 Resp: 737850
Ion Ratio Lower Upper
73 100
57 18.1 15.0 22.4

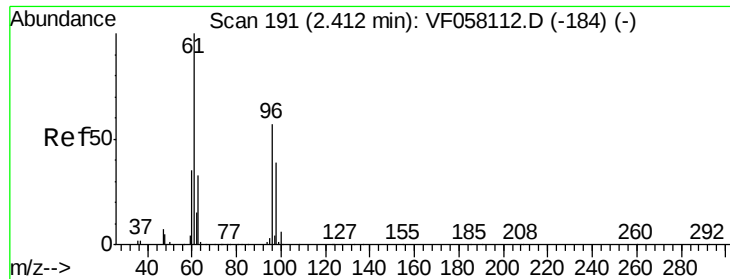


#20

Methylene Chloride
Concen: 56.29 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF058114.D
Acq: 6 Jun 2018 18:37

Tgt Ion: 84 Resp: 130124
Ion Ratio Lower Upper
84 100
49 160.3 121.0 181.4
51 46.7 35.8 53.6
86 64.3 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 100.16 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

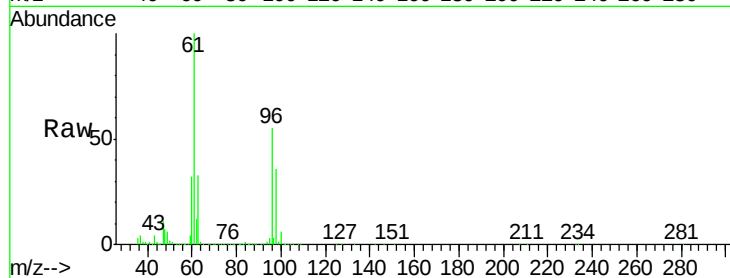
Tgt Ion: 96 Resp: 244106

Ion Ratio Lower Upper

96 100

61 181.5 139.4 209.2

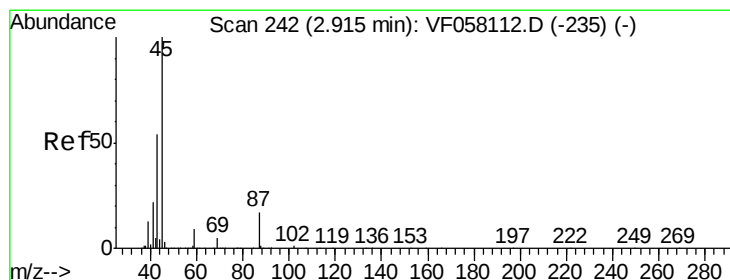
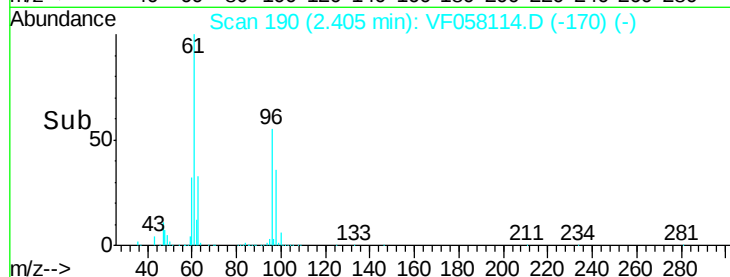
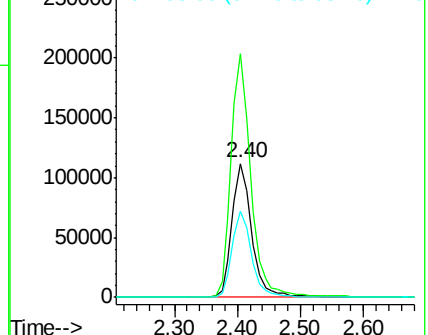
98 64.5 54.0 81.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 106.24 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Tgt Ion: 45 Resp: 897696

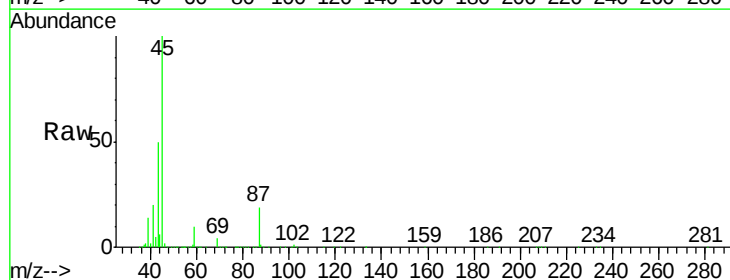
Ion Ratio Lower Upper

45 100

43 50.3 43.2 64.8

87 19.5 13.8 20.6

59 9.7 7.5 11.3

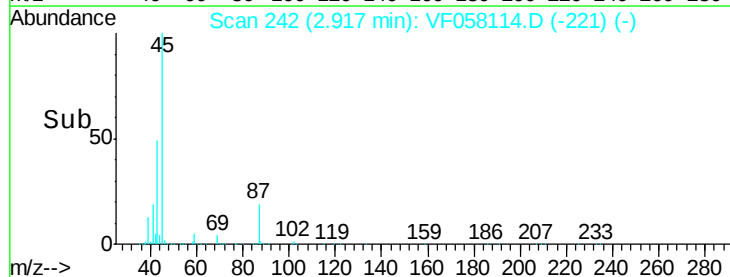
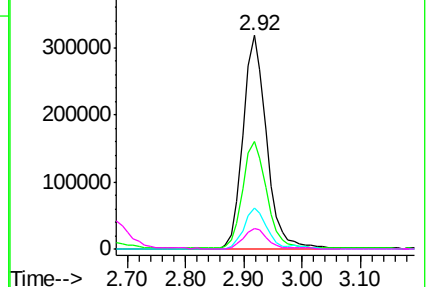


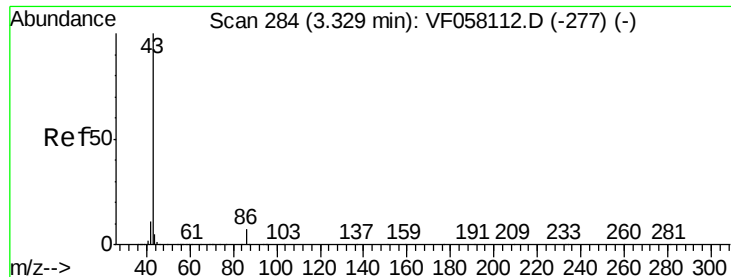
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 468.48 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

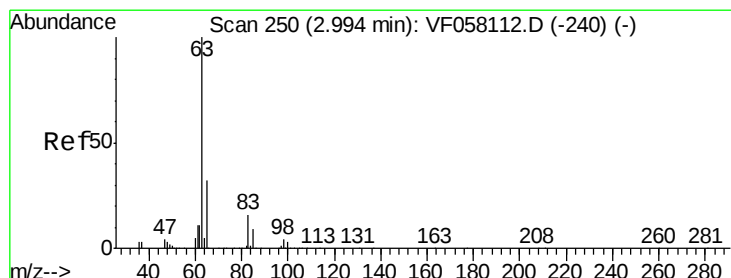
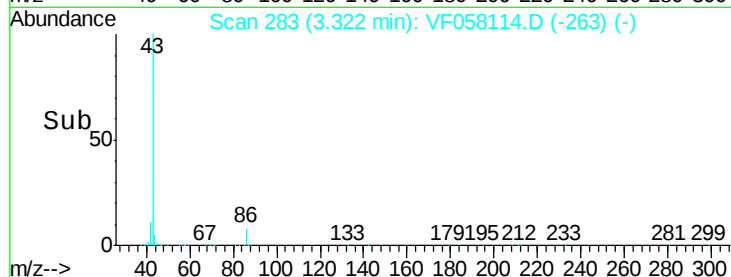
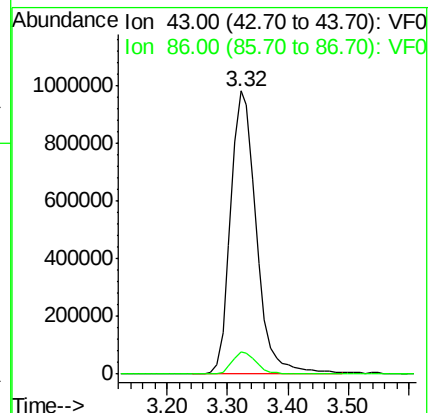
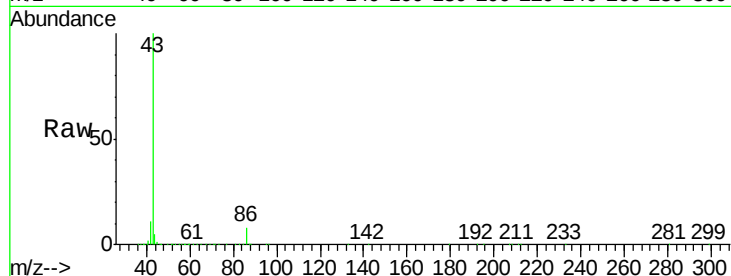
VSTDIC100

Tgt Ion: 43 Resp: 2900256

Ion Ratio Lower Upper

43 100

86 7.8 6.0 9.0



#24

1,1-Dichloroethane

Concen: 104.11 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

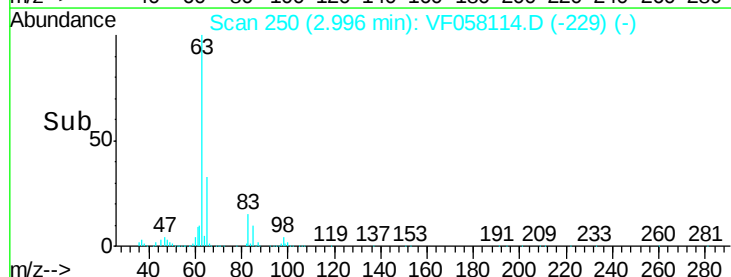
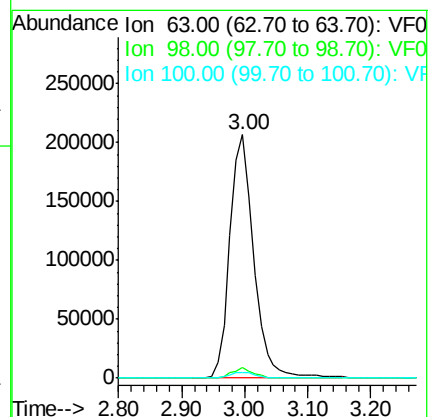
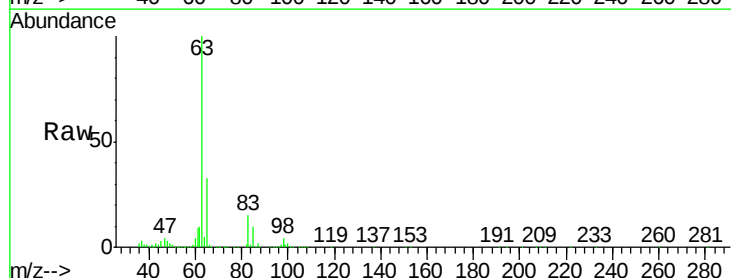
Tgt Ion: 63 Resp: 544914

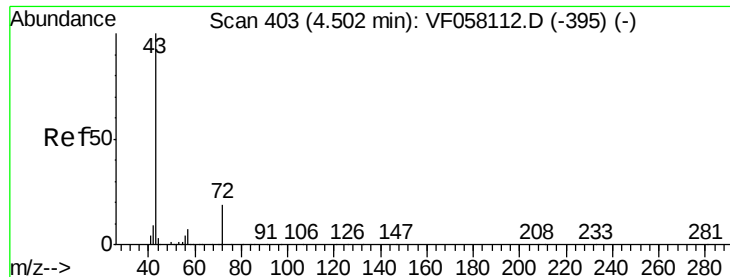
Ion Ratio Lower Upper

63 100

98 4.2 2.0 6.0

100 2.5 1.4 4.0





#25

2-Butanone

Concen: 512.10 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

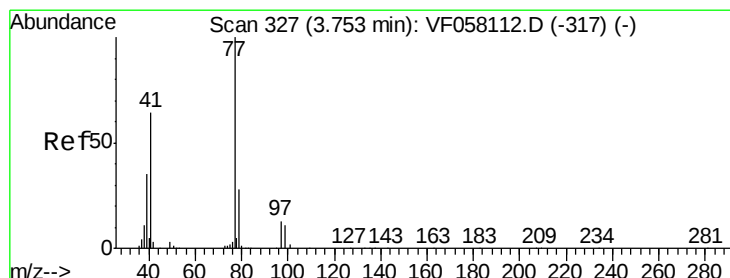
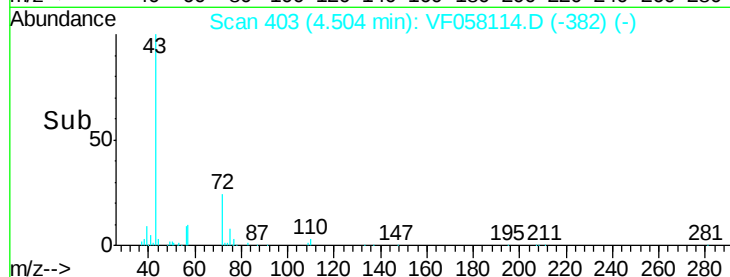
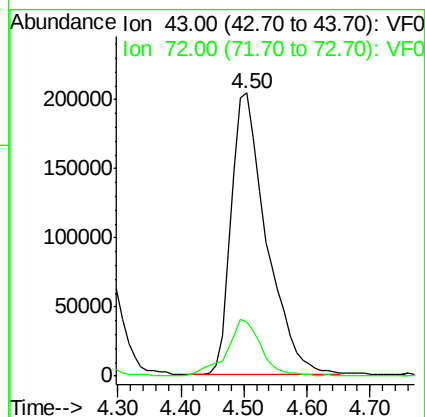
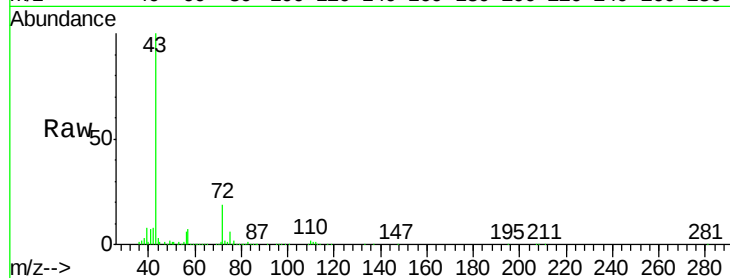
VSTDIC100

Tgt Ion: 43 Resp: 784382

Ion Ratio Lower Upper

43 100

72 19.0 16.1 24.1



#26

2,2-Dichloropropane

Concen: 98.82 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF058114.D

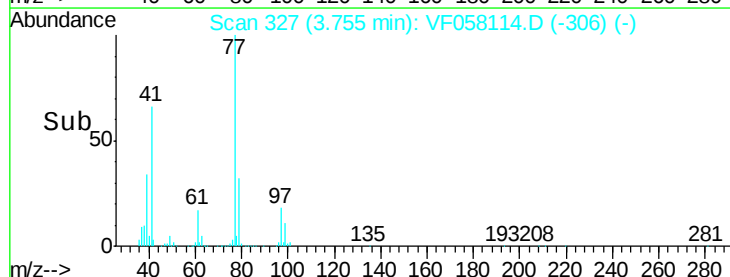
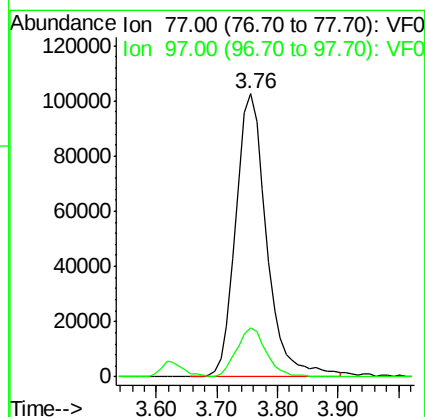
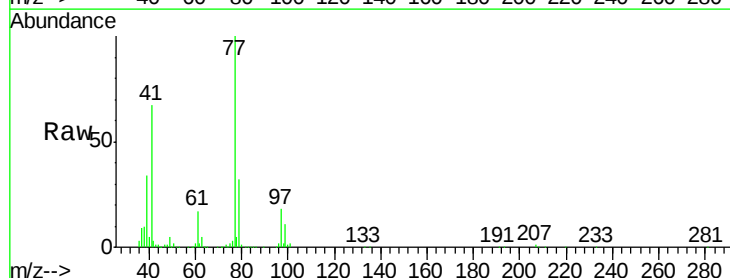
Acq: 6 Jun 2018 18:37

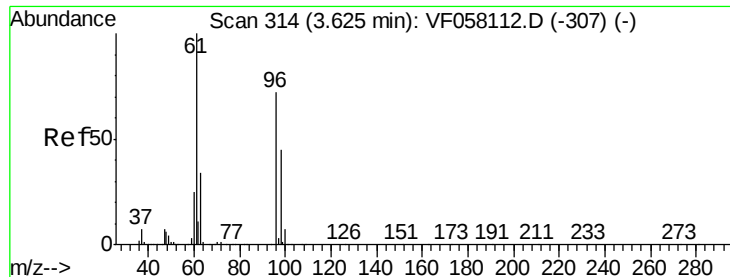
Tgt Ion: 77 Resp: 365532

Ion Ratio Lower Upper

77 100

97 17.6 7.2 21.6



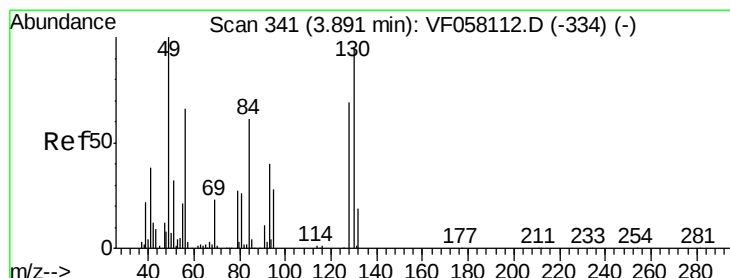
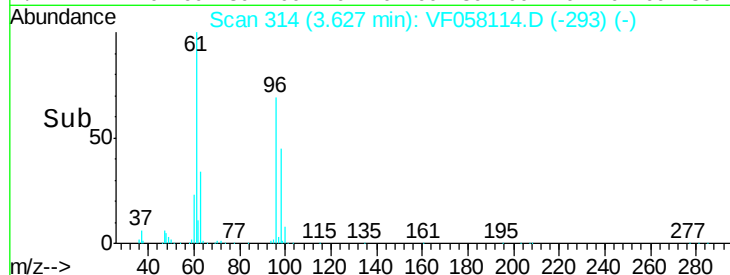
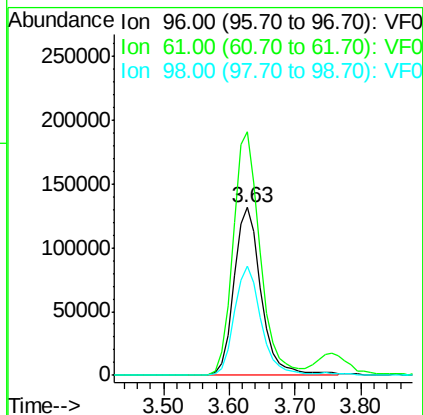
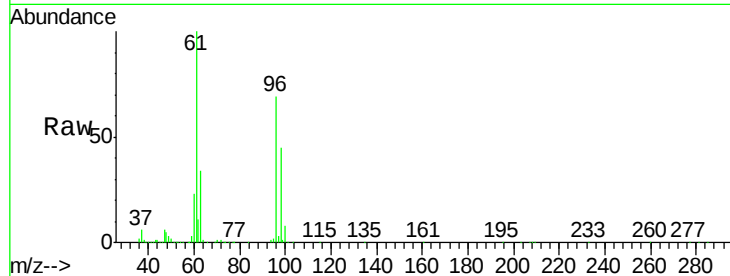


#27

cis-1,2-Dichloroethene
 Concen: 94.08 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. 0.00 min
 Lab File: VF058114.D
 Acq: 6 Jun 2018 18:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

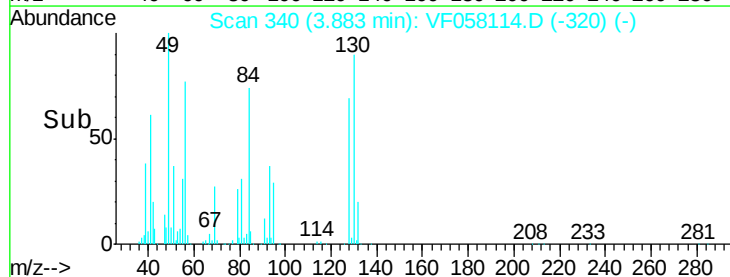
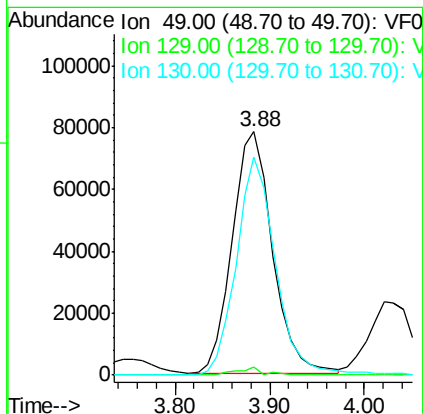
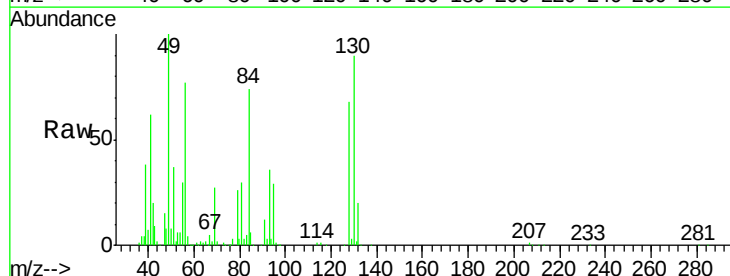
Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.9	0.0	278.6
98	65.1	0.0	125.2

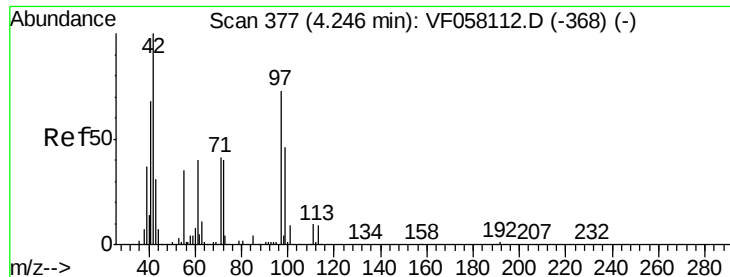


#28

Bromochloromethane
 Concen: 100.33 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VF058114.D
 Acq: 6 Jun 2018 18:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	0.0#
130	89.6	75.8	113.8





#29

Tetrahydrofuran

Concen: 490.37 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

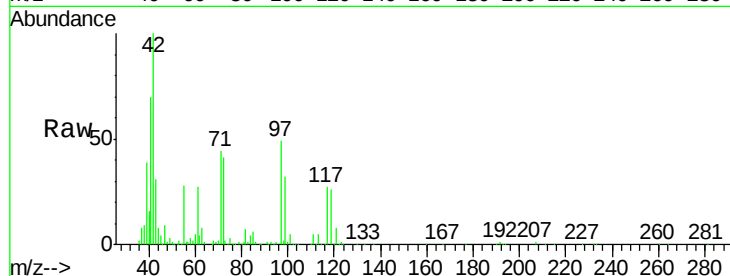
Tgt Ion: 42 Resp: 346701

Ion Ratio Lower Upper

42 100

72 41.6 30.5 45.7

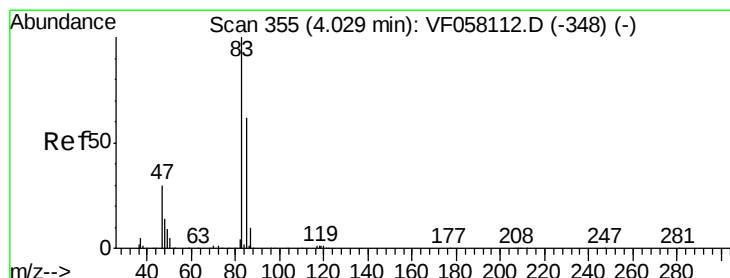
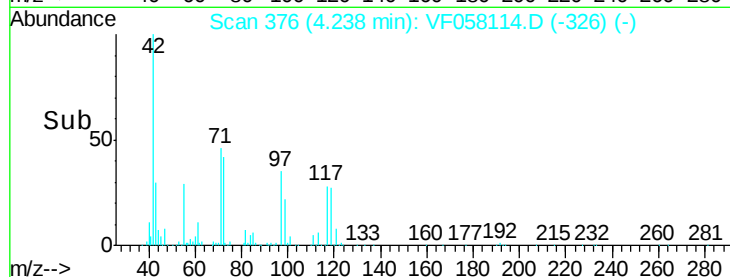
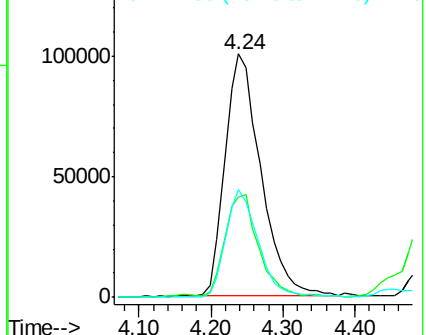
71 40.4 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 95.48 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF058114.D

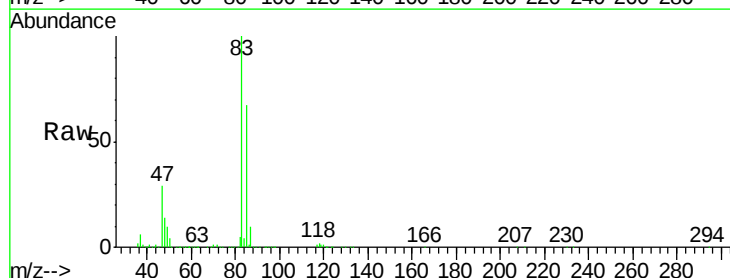
Acq: 6 Jun 2018 18:37

Tgt Ion: 83 Resp: 749693

Ion Ratio Lower Upper

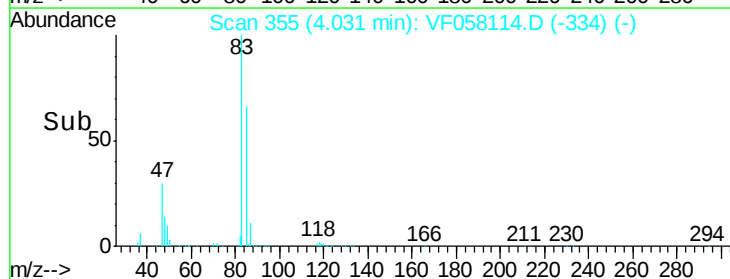
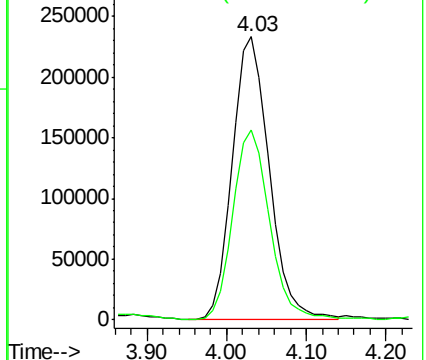
83 100

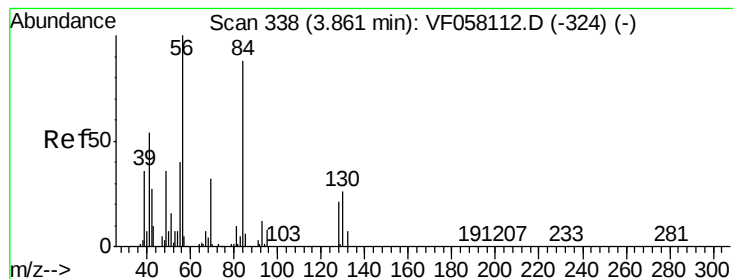
85 66.9 49.5 74.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 90.24 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

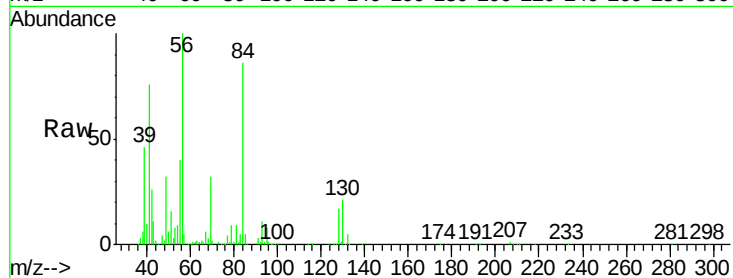
Tgt Ion: 56 Resp: 444520

Ion Ratio Lower Upper

56 100

69 32.0 25.9 38.9

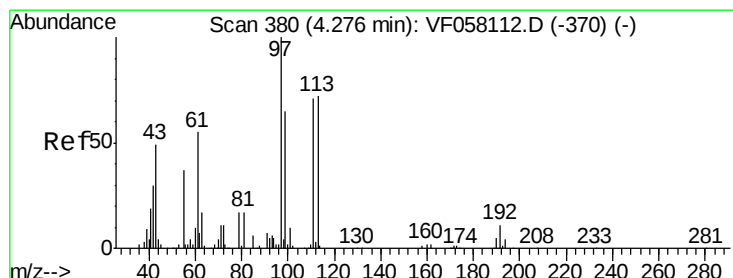
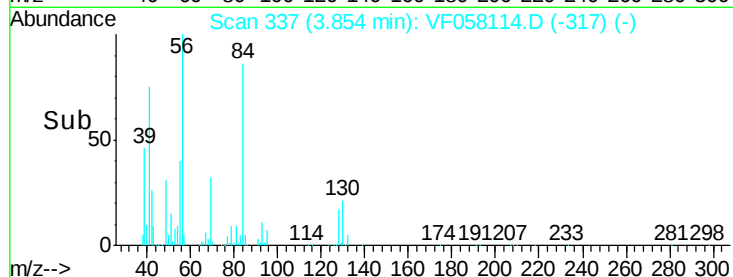
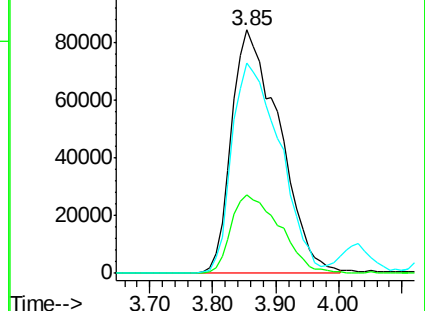
84 86.2 70.3 105.5



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 98.33 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

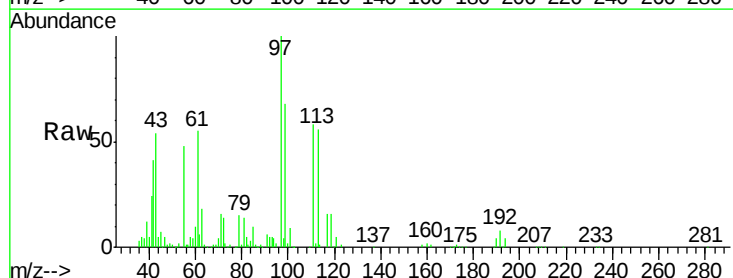
Tgt Ion: 97 Resp: 548029

Ion Ratio Lower Upper

97 100

99 67.8 52.0 78.0

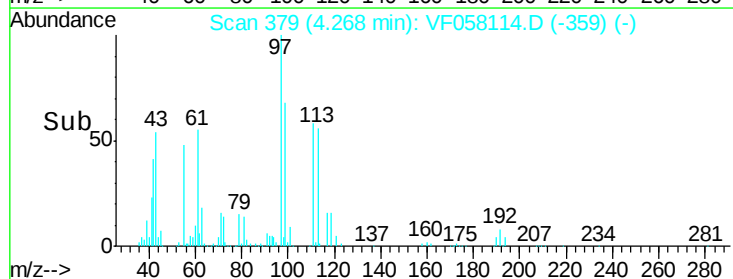
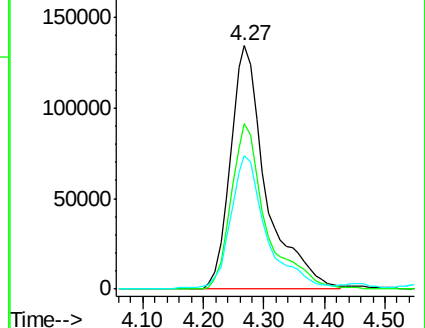
61 54.9 44.3 66.5

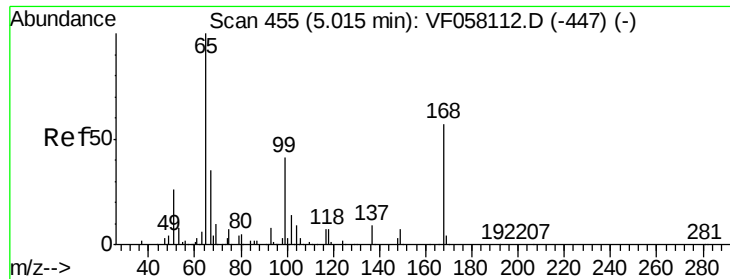


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

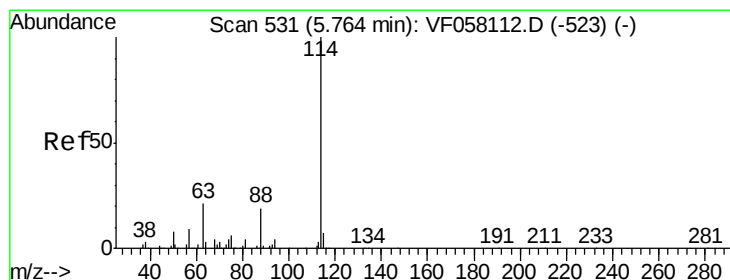
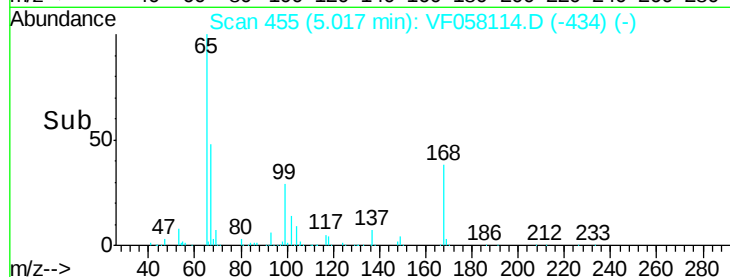
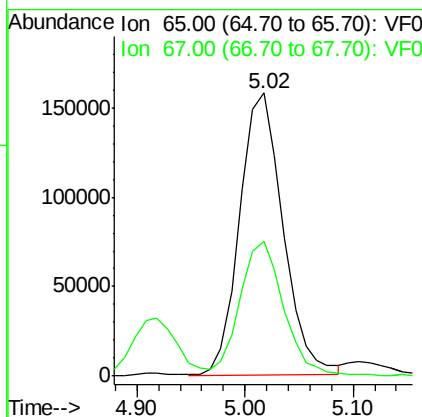
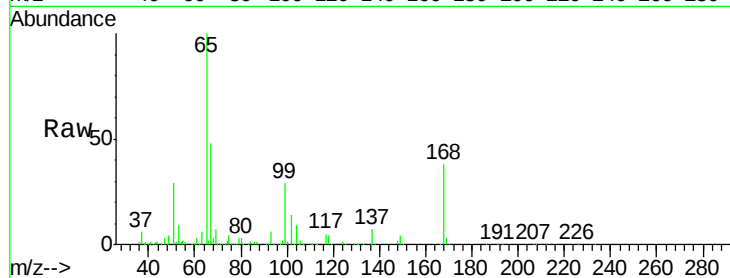




#33
 1,2-Dichloroethane-d4
 Concen: 102.32 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF058114.D
 Acq: 6 Jun 2018 18:37

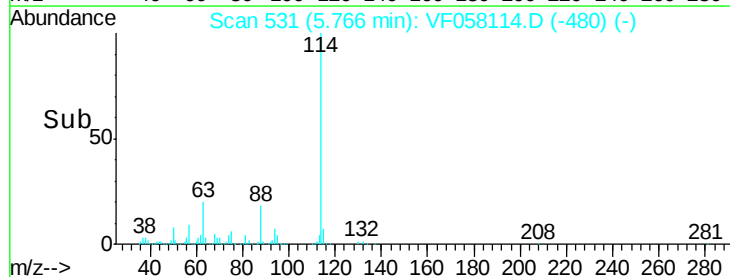
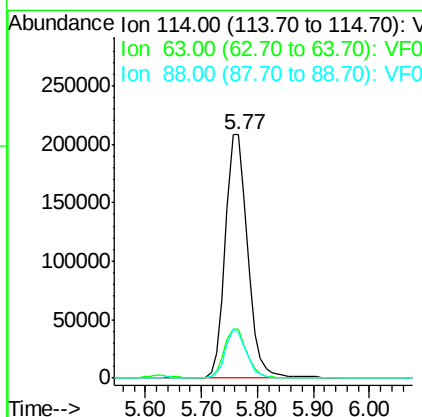
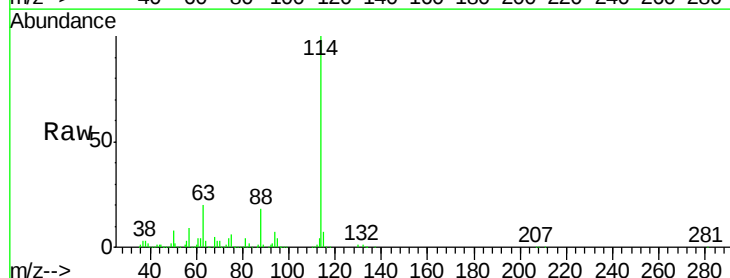
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tgt Ion: 65 Resp: 441303
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF058114.D
 Acq: 6 Jun 2018 18:37

Tgt Ion: 114 Resp: 580402
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.6
 88 18.3 0.0 38.8





#35

Dibromofluoromethane

Concen: 91.64 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

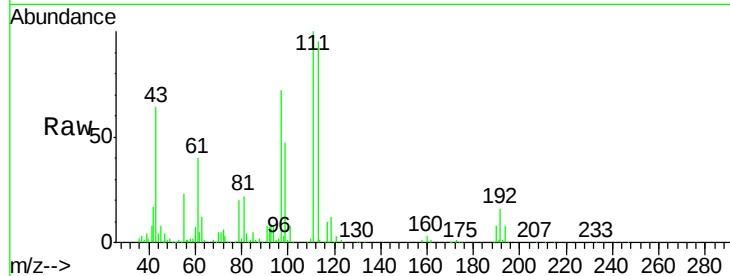
Tgt Ion:113 Resp: 394499

Ion Ratio Lower Upper

113 100

111 105.1 81.3 121.9

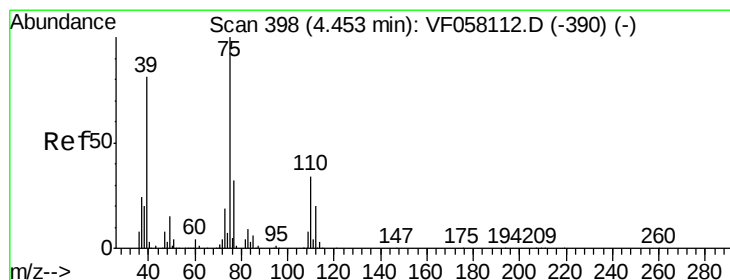
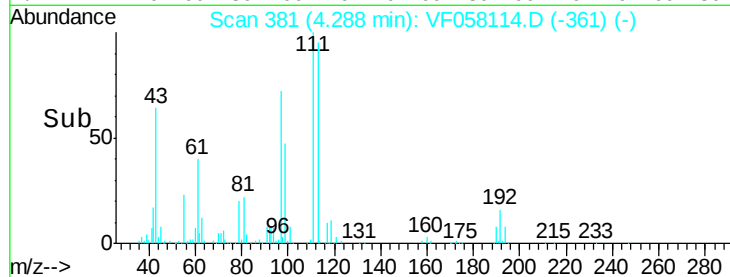
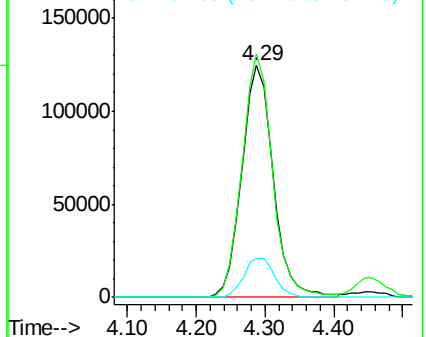
192 16.9 12.7 19.1



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: 91.57 ug/l

RT: 4.46 min Scan# 398

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

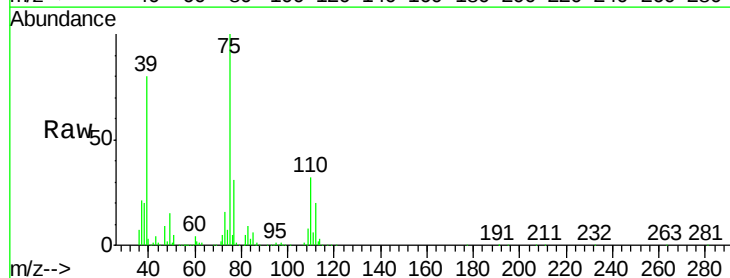
Tgt Ion: 75 Resp: 537506

Ion Ratio Lower Upper

75 100

110 32.4 17.0 50.9

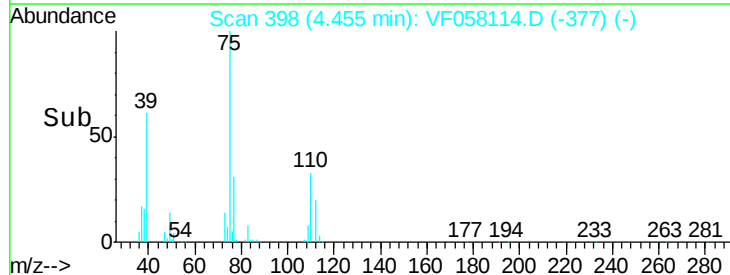
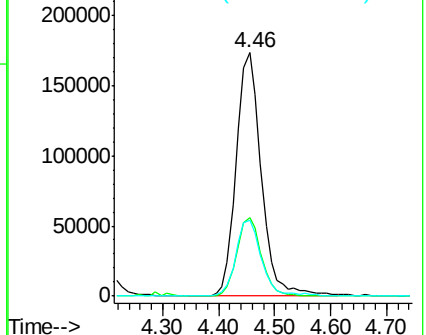
77 30.9 25.3 37.9

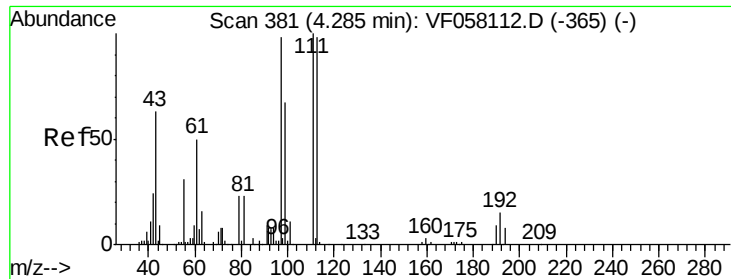


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

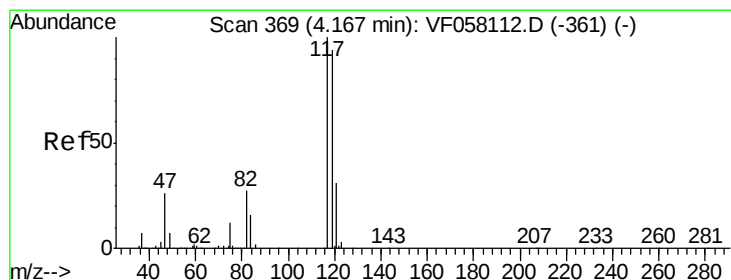
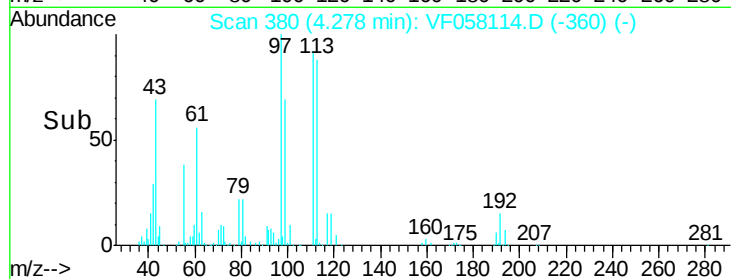
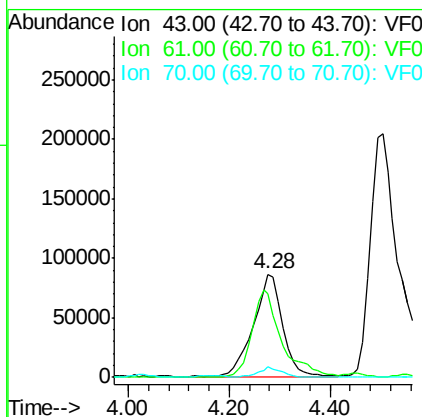
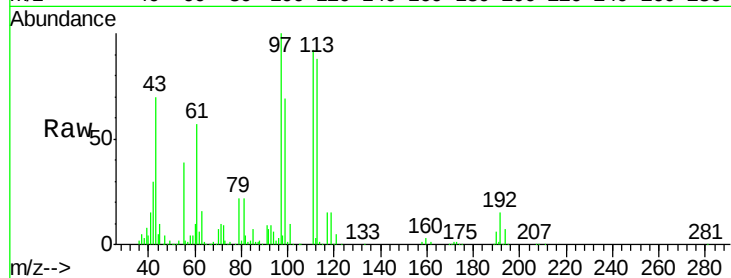




#37
Ethyl Acetate
Concen: 99.18 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF058114.D
Acq: 6 Jun 2018 18:37

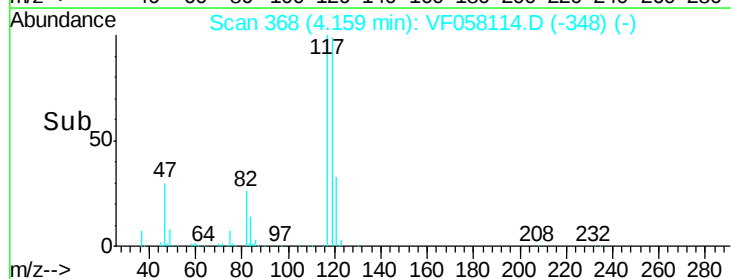
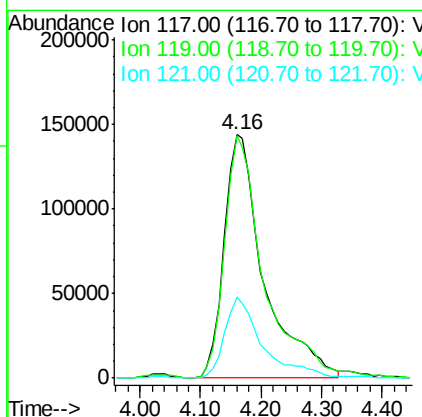
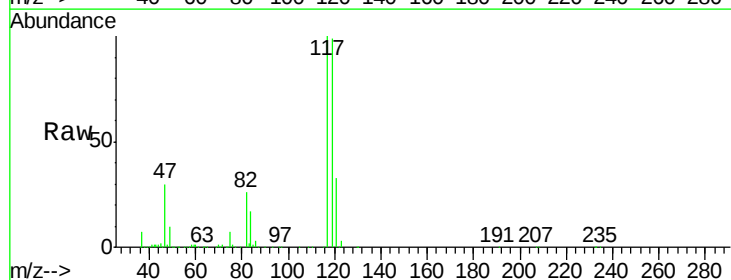
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

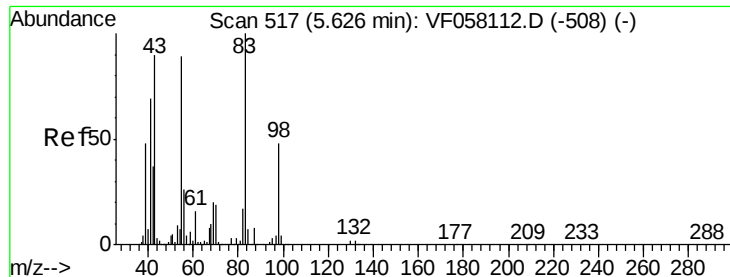
Tgt Ion: 43 Resp: 343300
Ion Ratio Lower Upper
43 100
61 81.2 63.0 94.4
70 9.9 7.5 11.3



#38
Carbon Tetrachloride
Concen: 105.24 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF058114.D
Acq: 6 Jun 2018 18:37

Tgt Ion: 117 Resp: 656332
Ion Ratio Lower Upper
117 100
119 99.4 75.7 113.5
121 33.2 24.8 37.2

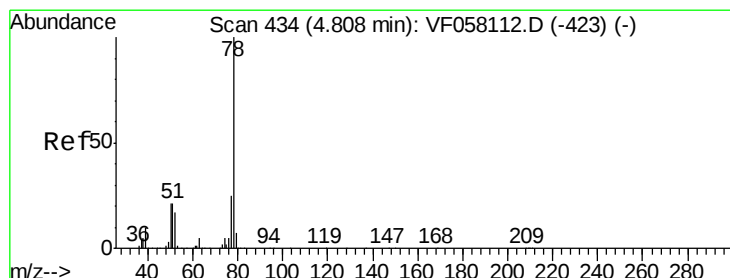
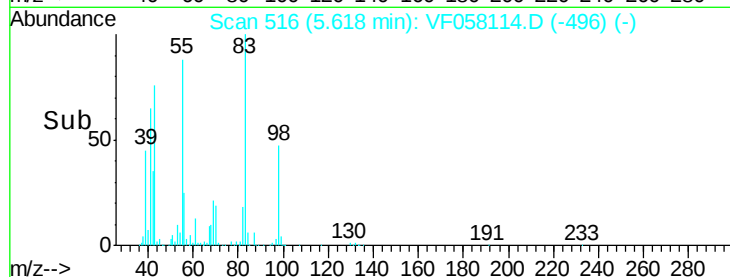
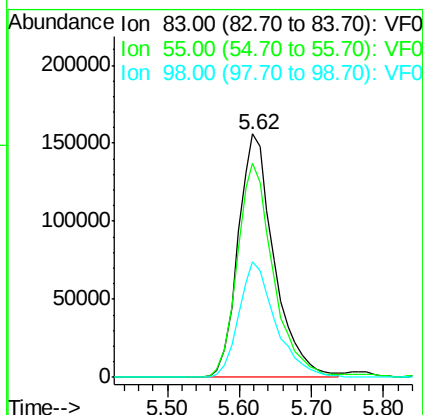
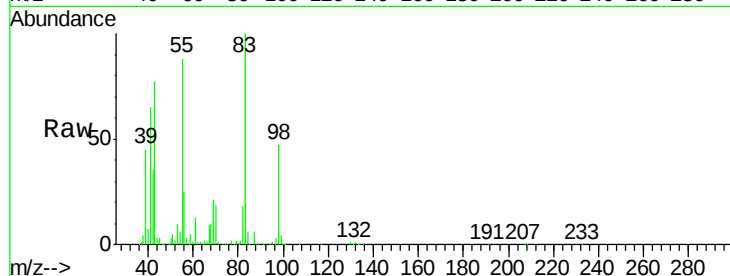




#39
Methylcyclohexane
Concen: 89.77 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF058114.D
Acq: 6 Jun 2018 18:37

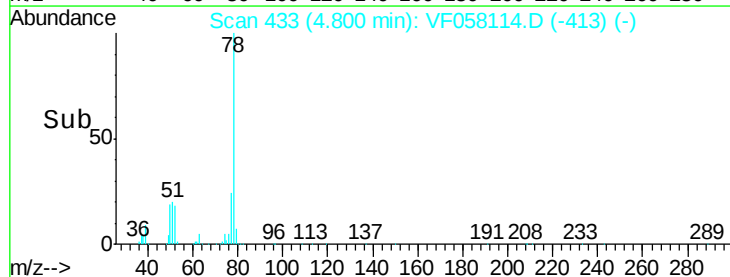
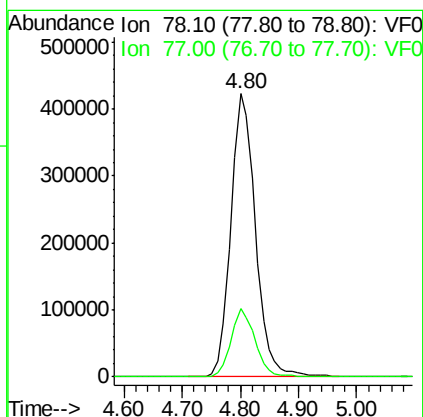
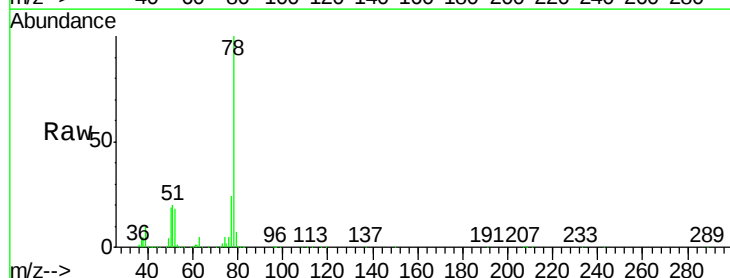
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

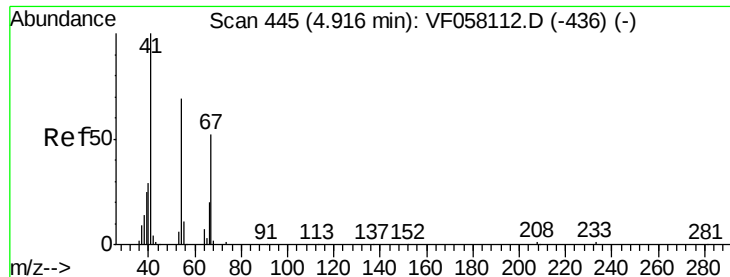
Tgt Ion: 83 Resp: 544522
Ion Ratio Lower Upper
83 100
55 87.7 71.0 106.4
98 47.3 38.1 57.1



#40
Benzene
Concen: 90.45 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF058114.D
Acq: 6 Jun 2018 18:37

Tgt Ion: 78 Resp: 1243159
Ion Ratio Lower Upper
78 100
77 24.1 20.2 30.2





#41

Methacrylonitrile

Concen: 100.81 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 176713

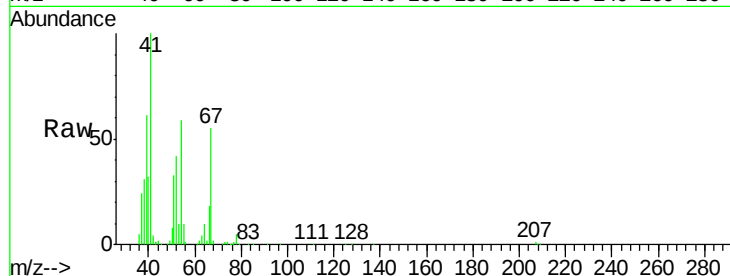
Ion Ratio Lower Upper

41 100

39 61.0 53.0 79.4

67 55.0 41.0 61.6

52 42.1 36.8 55.2

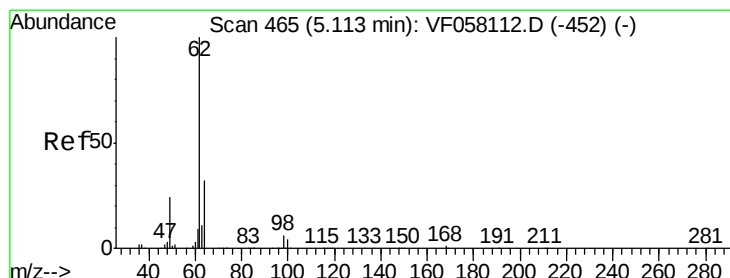
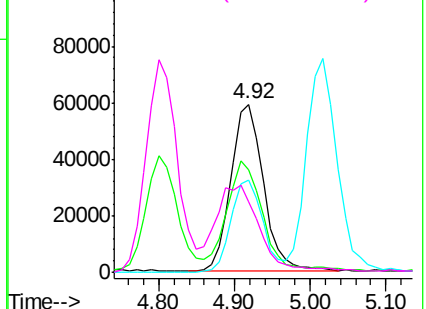
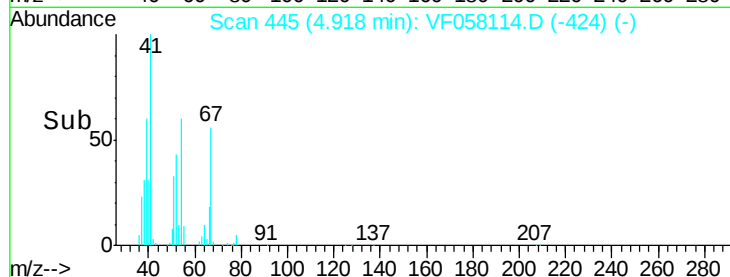


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 100.47 ug/l

RT: 5.12 min Scan# 465

Delta R.T. 0.00 min

Lab File: VF058114.D

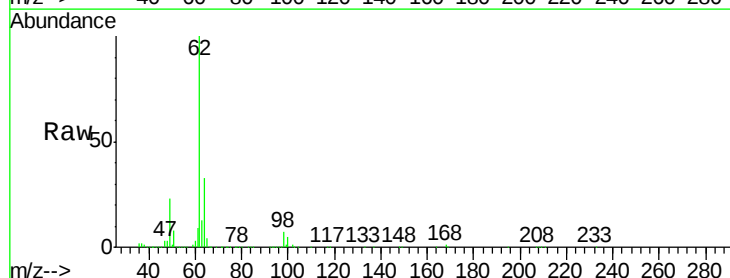
Acq: 6 Jun 2018 18:37

Tgt Ion: 62 Resp: 592949

Ion Ratio Lower Upper

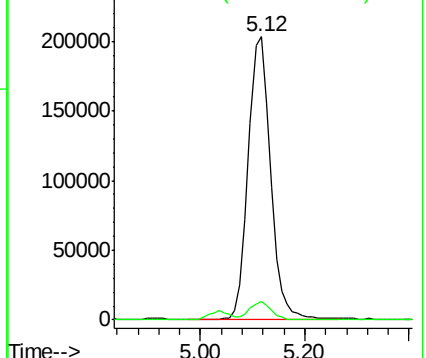
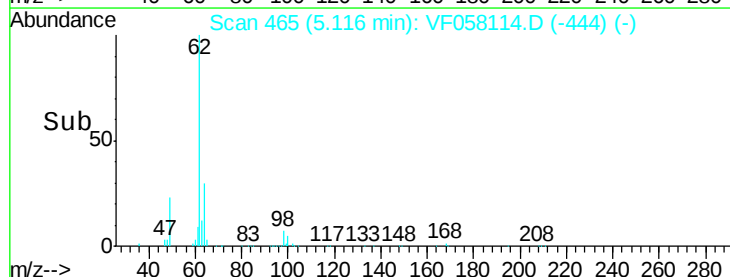
62 100

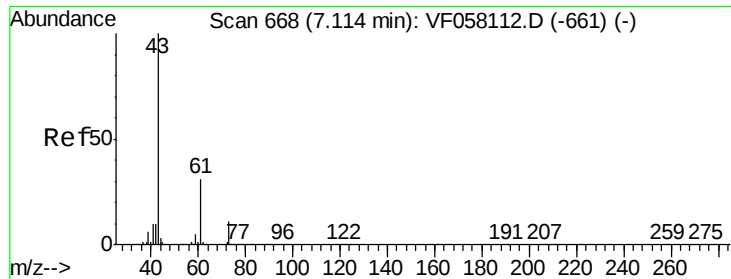
98 6.7 0.0 11.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

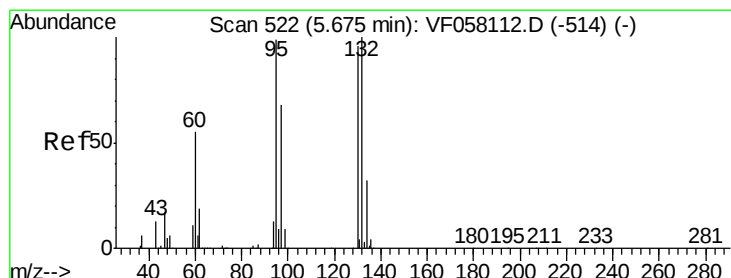
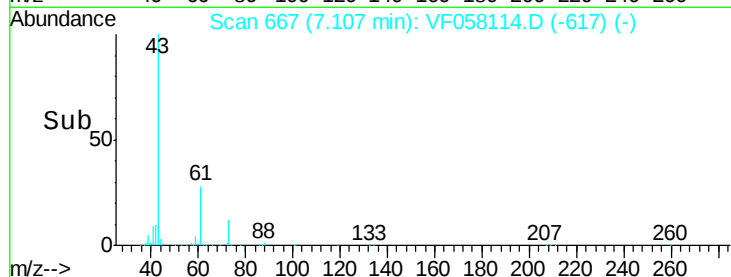
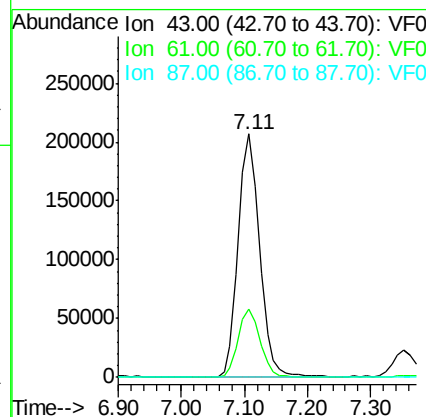
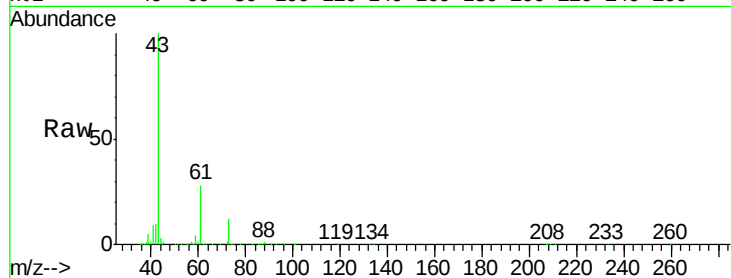




#43
Isopropyl Acetate
Concen: 103.51 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF058114.D
Acq: 6 Jun 2018 18:37

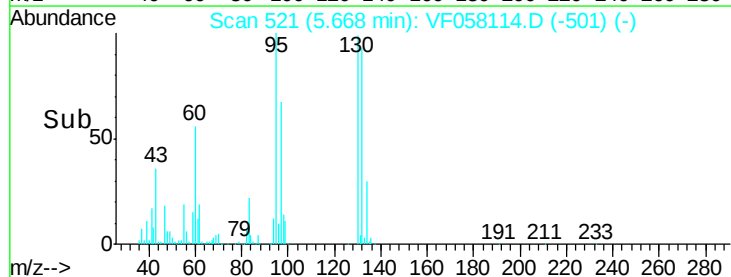
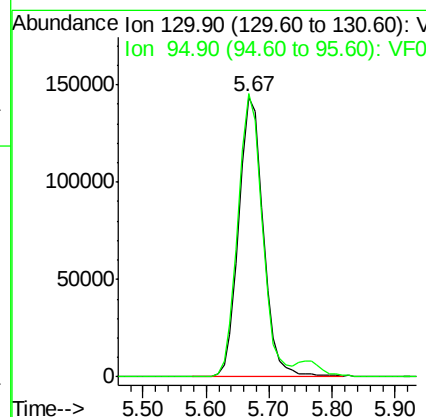
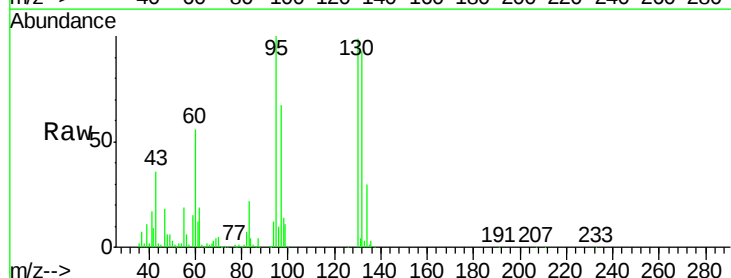
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

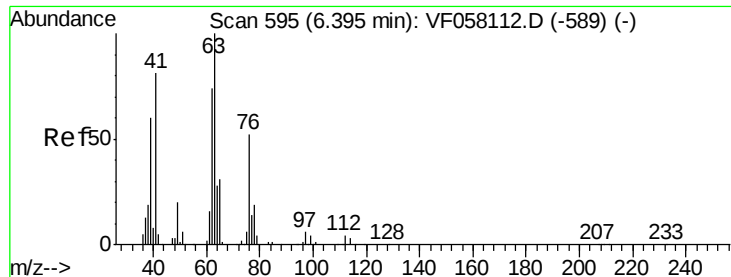
Tgt Ion: 43 Resp: 485723
Ion Ratio Lower Upper
43 100
61 28.1 25.1 37.7
87 0.4 0.2 0.4#



#44
Trichloroethene
Concen: 90.30 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF058114.D
Acq: 6 Jun 2018 18:37

Tgt Ion: 130 Resp: 386561
Ion Ratio Lower Upper
130 100
95 101.2 0.0 206.8





#45

1,2-Dichloropropane

Concen: 89.49 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

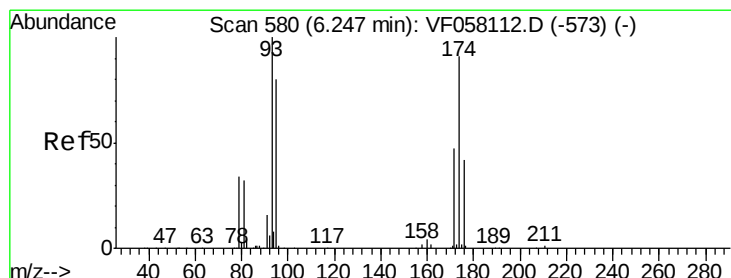
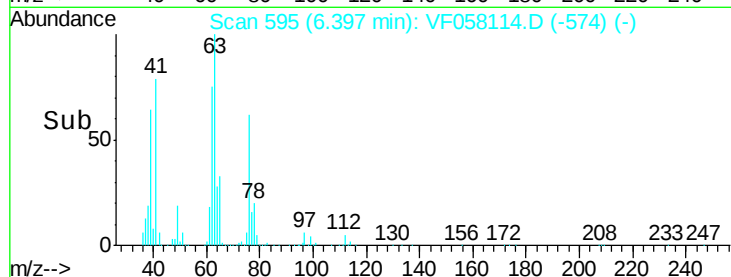
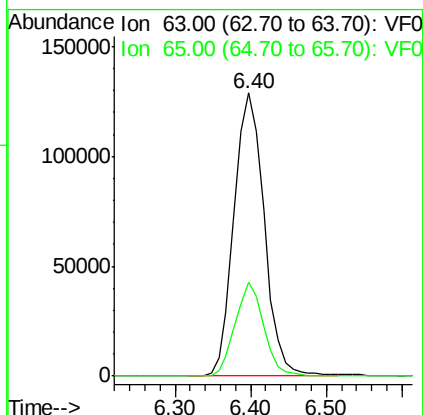
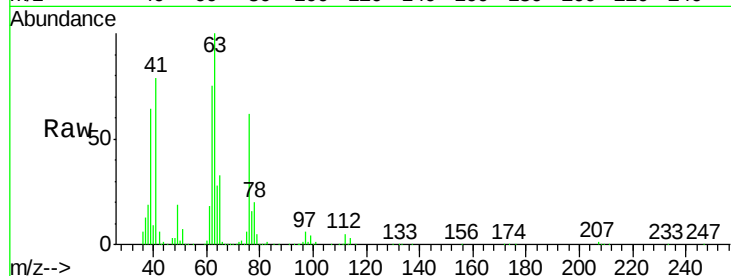
VSTDIC100

Tgt Ion: 63 Resp: 357553

Ion Ratio Lower Upper

63 100

65 33.4 24.6 37.0



#46

Dibromomethane

Concen: 96.05 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

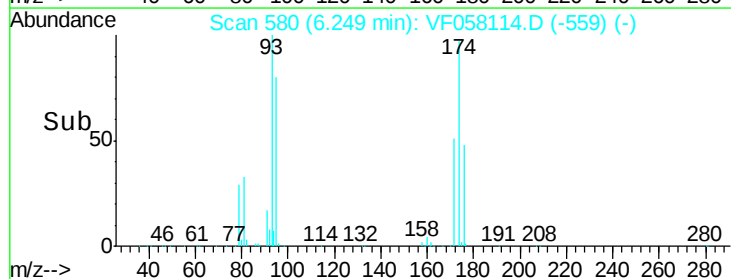
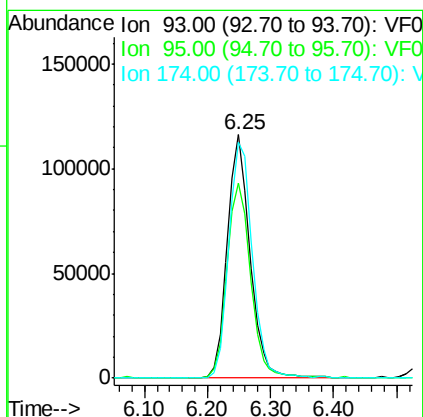
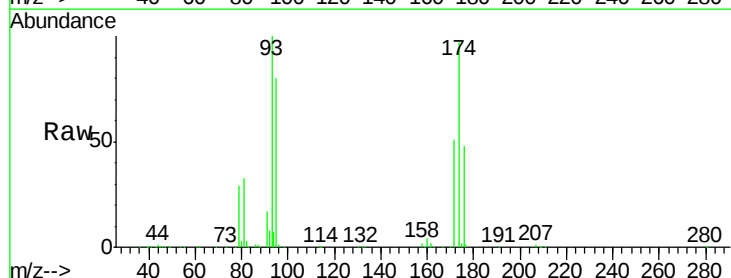
Tgt Ion: 93 Resp: 289678

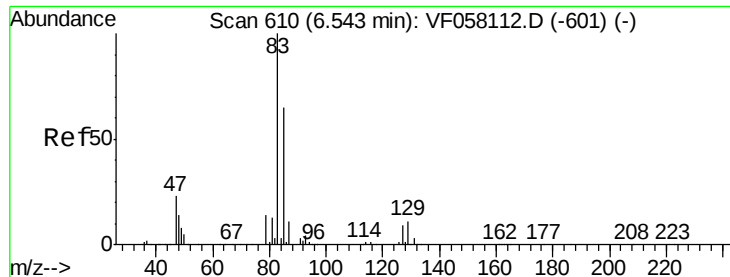
Ion Ratio Lower Upper

93 100

95 80.2 64.2 96.4

174 97.2 72.7 109.1





#47

Bromodichloromethane

Concen: 94.73 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

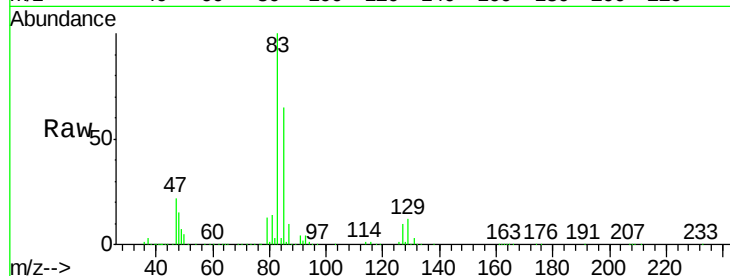
Tgt Ion: 83 Resp: 630344

Ion Ratio Lower Upper

83 100

85 65.1 51.6 77.4

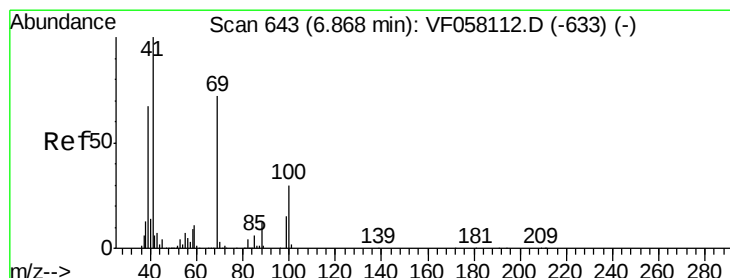
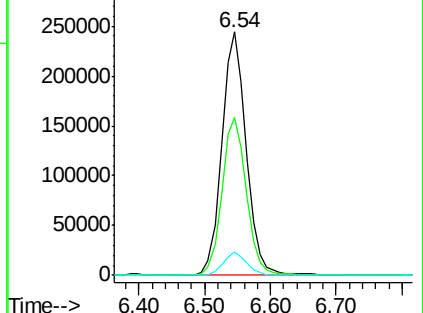
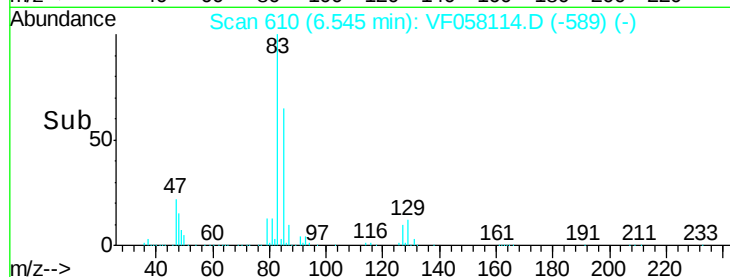
127 9.6 7.2 10.8



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: 101.72 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

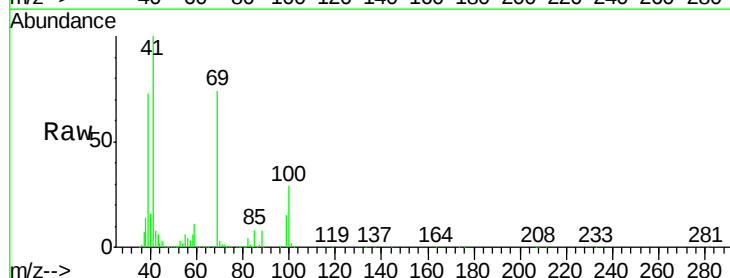
Tgt Ion: 41 Resp: 301717

Ion Ratio Lower Upper

41 100

69 73.9 57.2 85.8

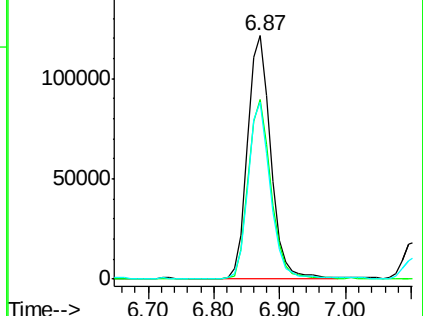
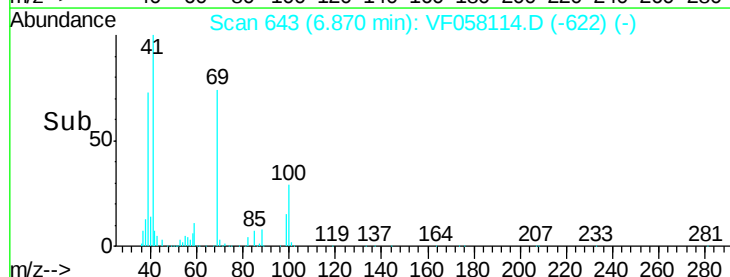
39 72.8 54.3 81.5

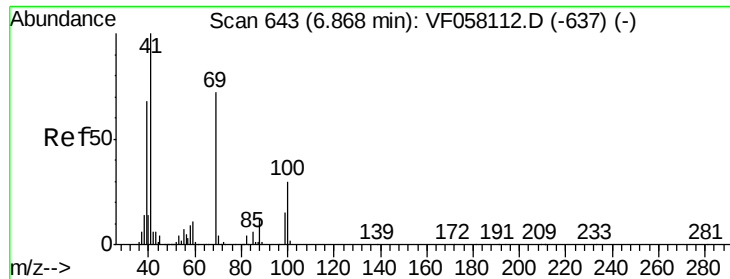


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

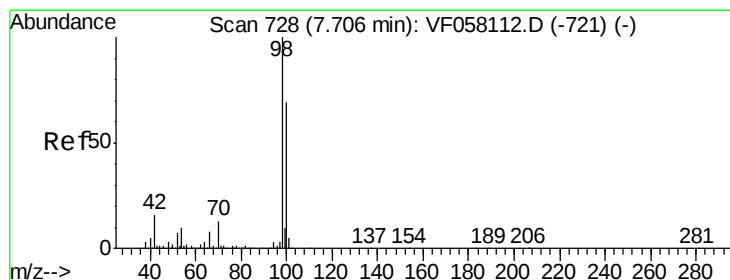
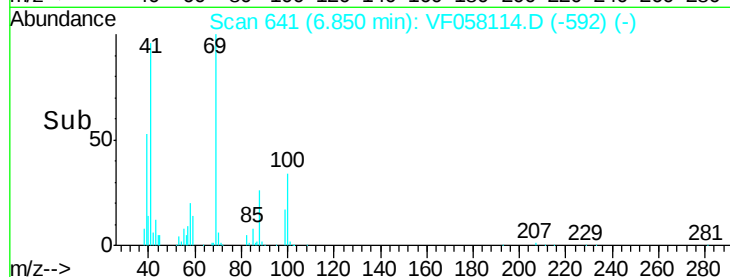
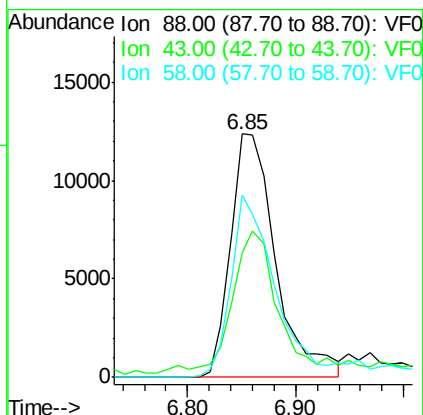
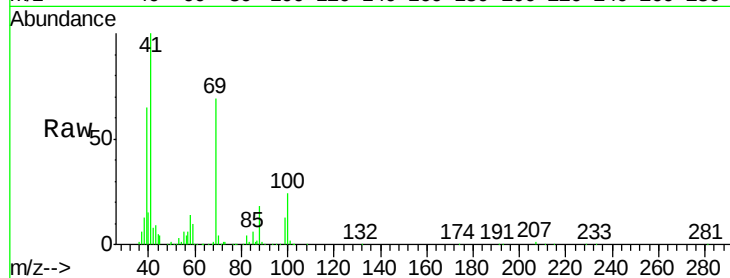




#49
 1,4-Dioxane
 Concen: 1759.98 ug/l
 RT: 6.85 min Scan# 641
 Delta R.T. -0.02 min
 Lab File: VF058114.D
 Acq: 6 Jun 2018 18:37

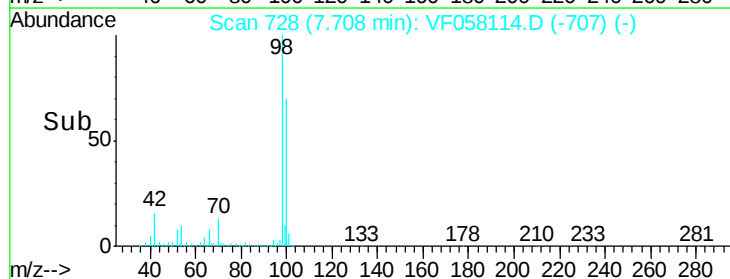
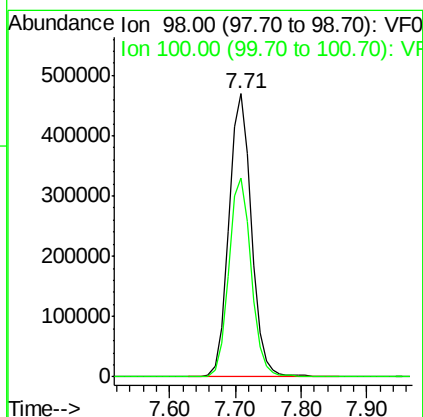
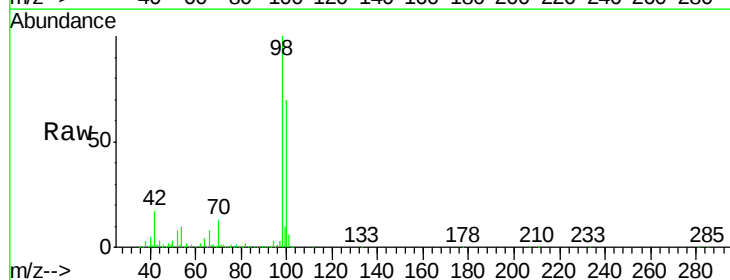
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

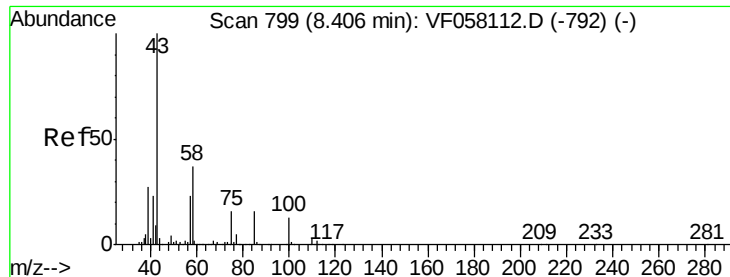
Tgt Ion: 88 Resp: 36023
 Ion Ratio Lower Upper
 88 100
 43 51.2 47.8 71.8
 58 74.9 59.4 89.0



#50
 Toluene-d8
 Concen: 88.87 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VF058114.D
 Acq: 6 Jun 2018 18:37

Tgt Ion: 98 Resp: 1133790
 Ion Ratio Lower Upper
 98 100
 100 70.2 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 467.56 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

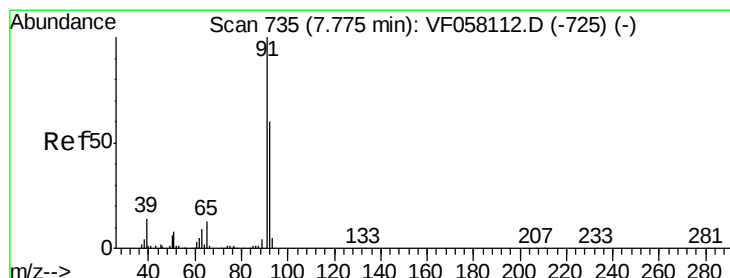
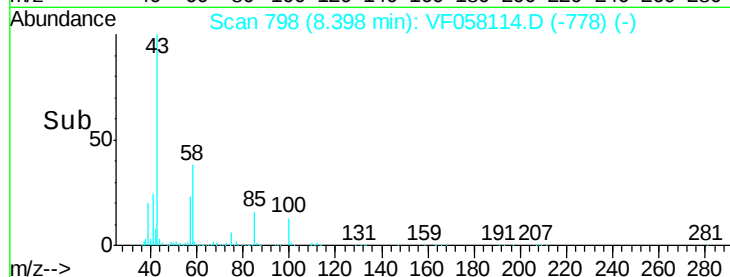
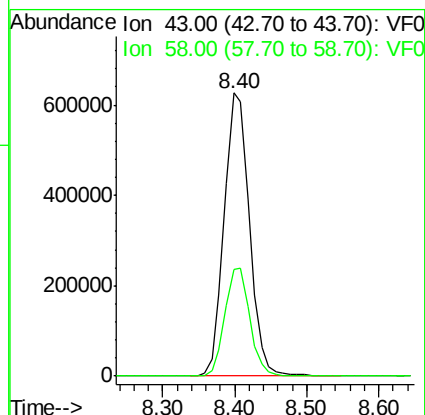
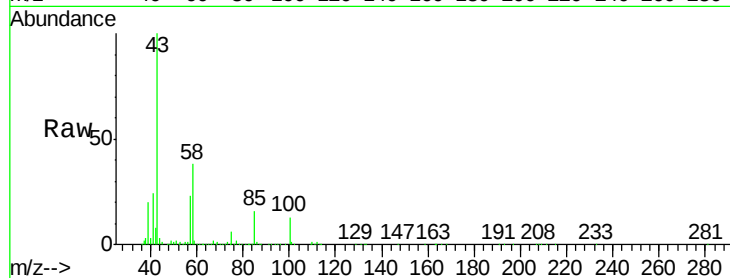
VSTDIC100

Tgt Ion: 43 Resp: 1523121

Ion Ratio Lower Upper

43 100

58 37.7 29.4 44.0



#52

Toluene

Concen: 89.63 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF058114.D

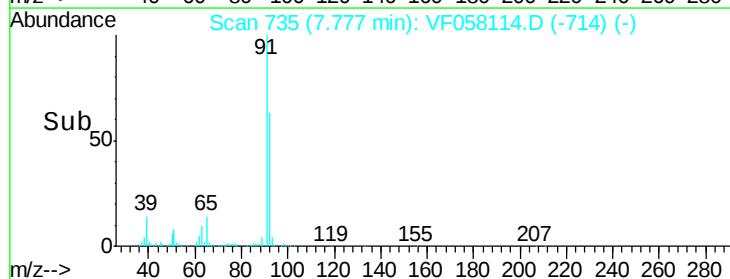
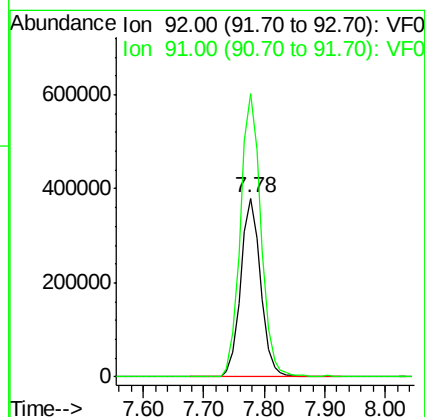
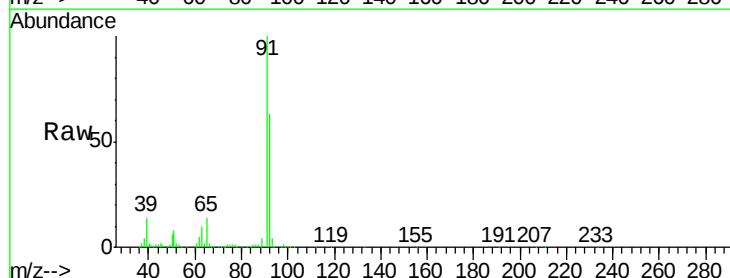
Acq: 6 Jun 2018 18:37

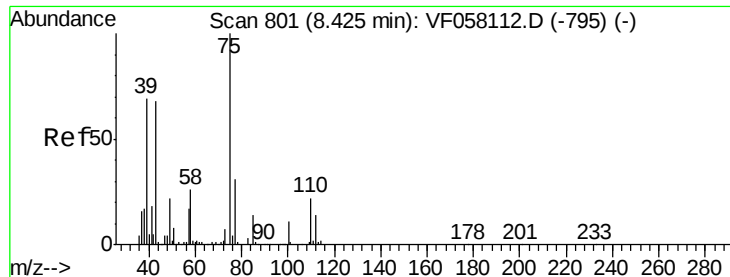
Tgt Ion: 92 Resp: 874575

Ion Ratio Lower Upper

92 100

91 158.6 132.9 199.3





#53

t-1,3-Dichloropropene

Concen: 94.98 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

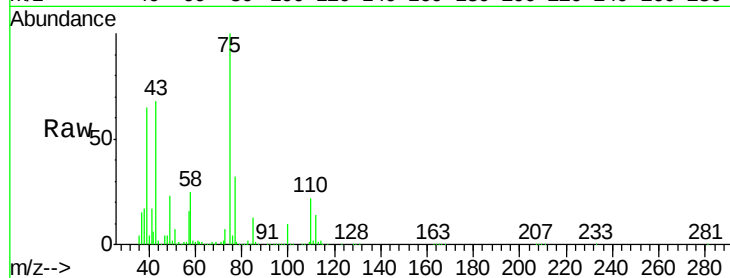
VSTDIC100

Tgt Ion: 75 Resp: 603799

Ion Ratio Lower Upper

75 100

77 32.2 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.43

250000

200000

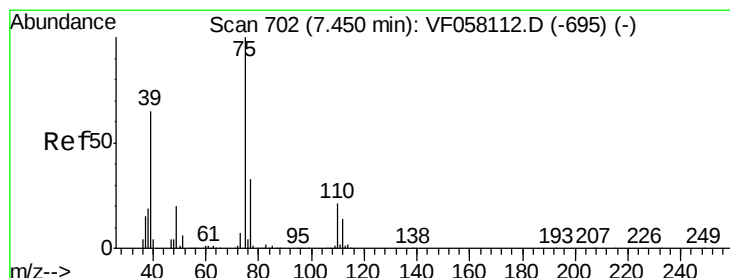
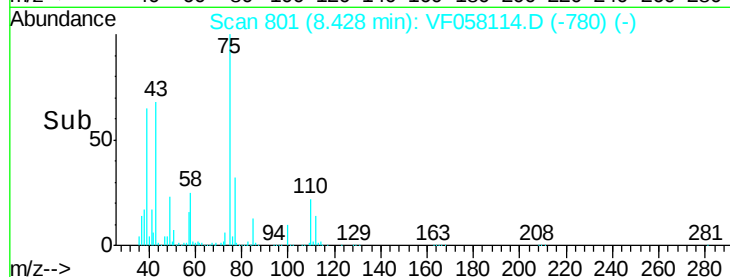
150000

100000

50000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#54

cis-1,3-Dichloropropene

Concen: 95.18 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

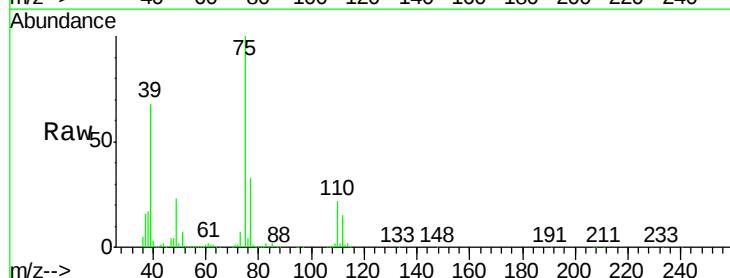
Tgt Ion: 75 Resp: 695164

Ion Ratio Lower Upper

75 100

77 33.3 26.3 39.5

39 67.9 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.45

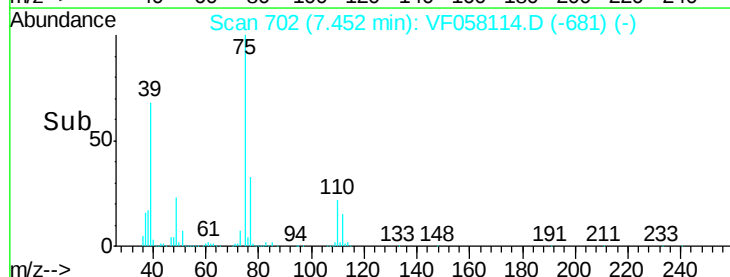
300000

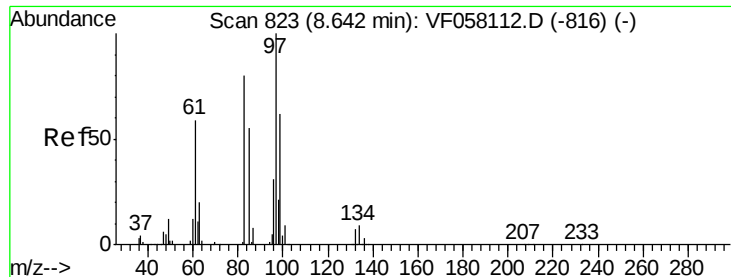
200000

100000

0

Time--> 7.30 7.40 7.50 7.60





#55

1,1,2-Trichloroethane

Concen: 94.03 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 333601

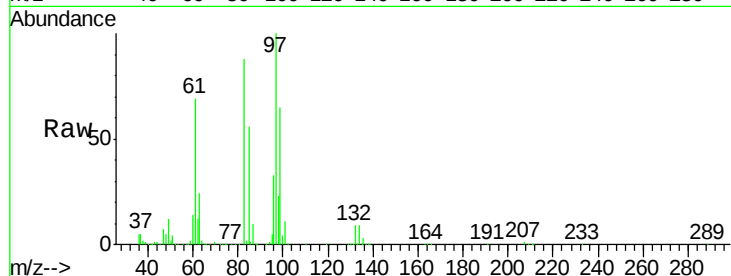
Ion Ratio Lower Upper

97 100

83 88.2 64.3 96.5

85 56.1 43.8 65.8

99 64.7 49.8 74.8

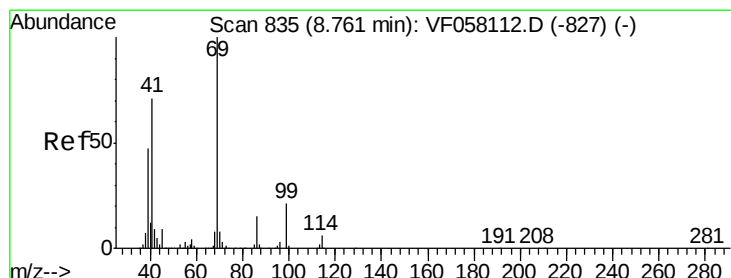
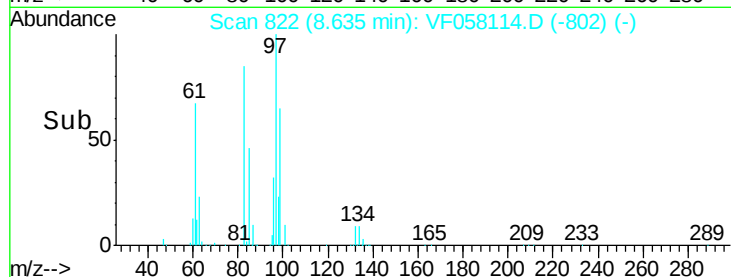
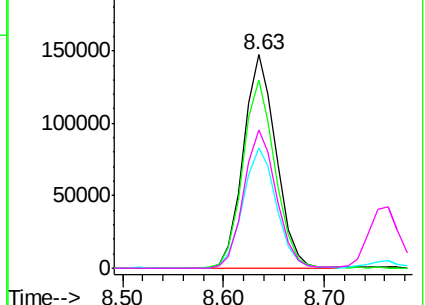


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 99.26 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

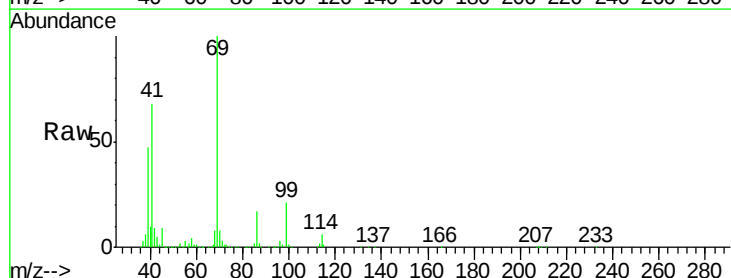
Tgt Ion: 69 Resp: 445334

Ion Ratio Lower Upper

69 100

41 67.7 56.9 85.3

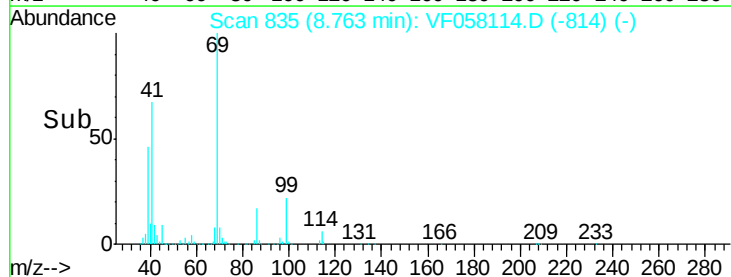
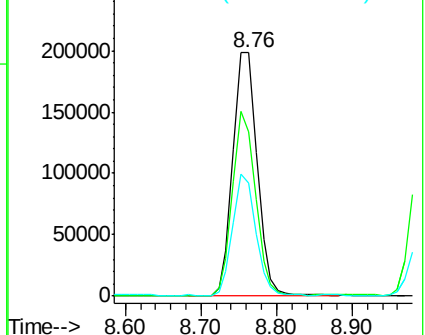
39 46.6 38.0 57.0

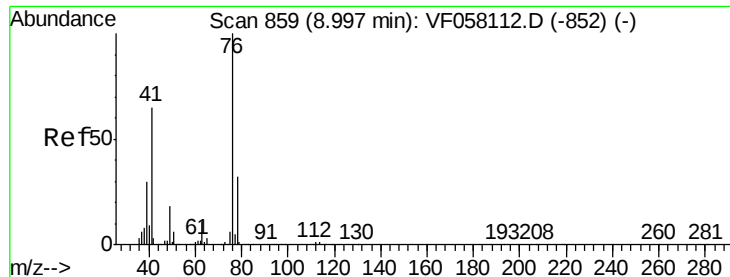


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

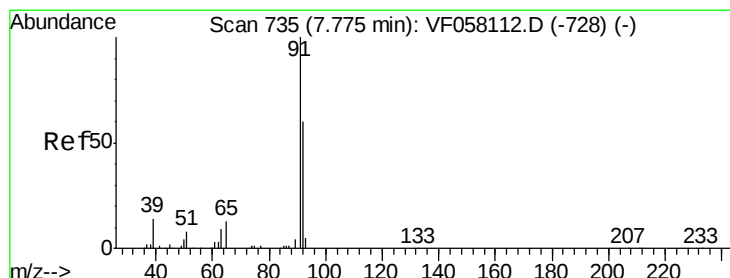
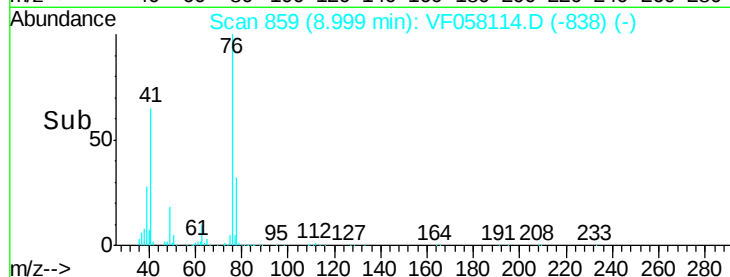
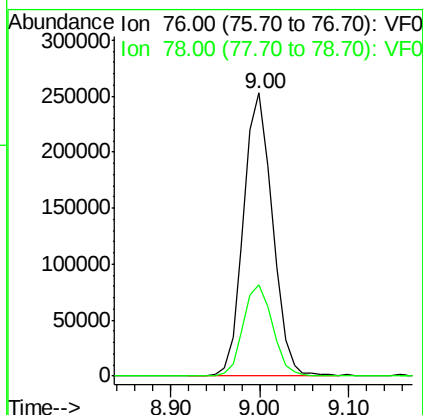
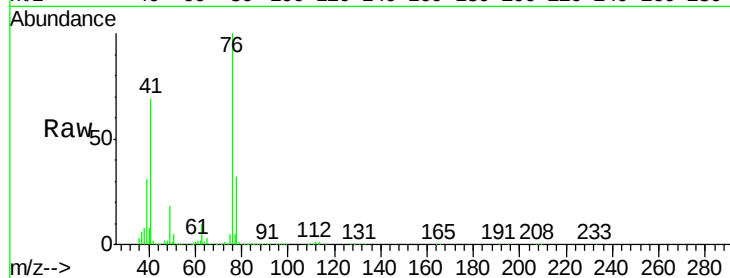




#57
 1,3-Dichloropropane
 Concen: 92.48 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VF058114.D
 Acq: 6 Jun 2018 18:37

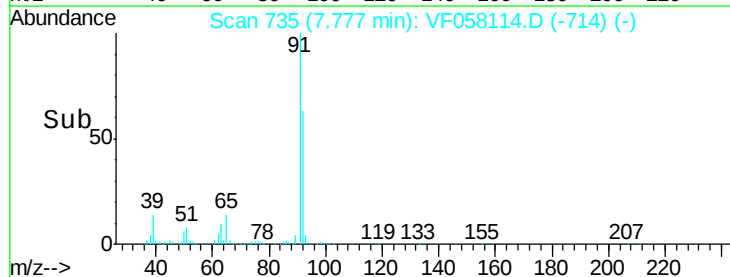
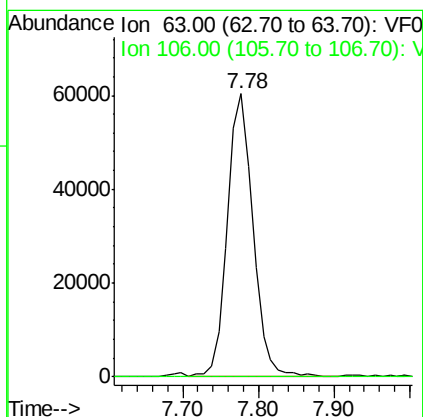
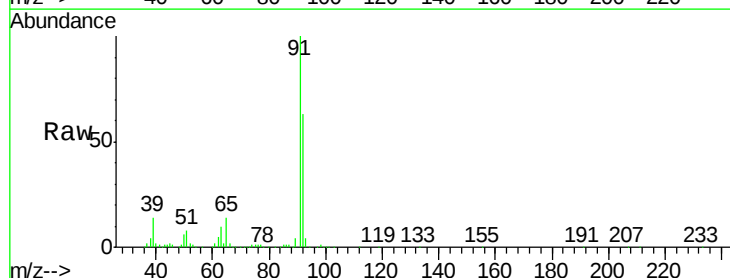
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

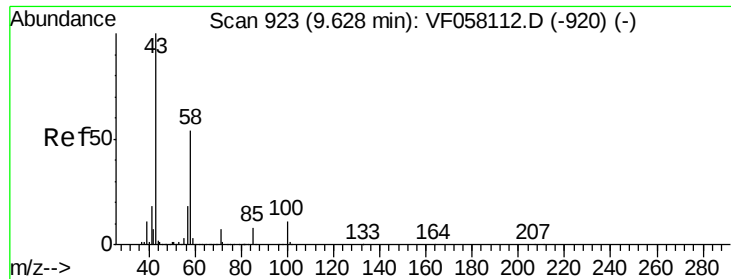
Tgt Ion: 76 Resp: 571224
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 456.05 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VF058114.D
 Acq: 6 Jun 2018 18:37

Tgt Ion: 63 Resp: 141461
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

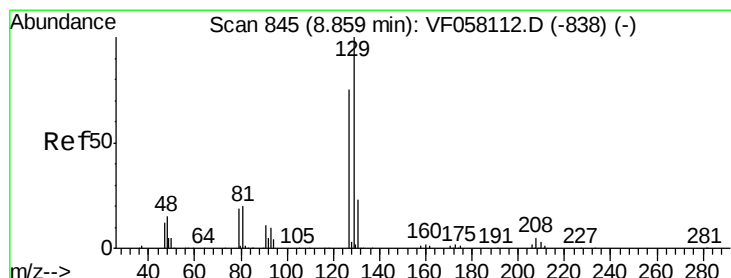
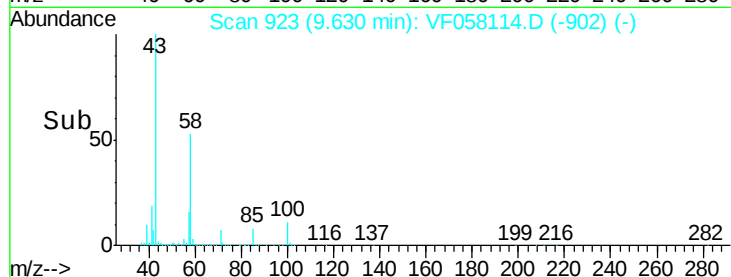
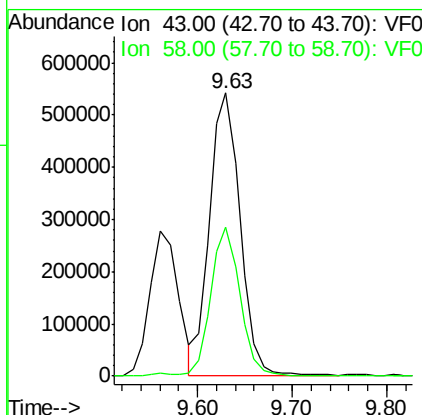
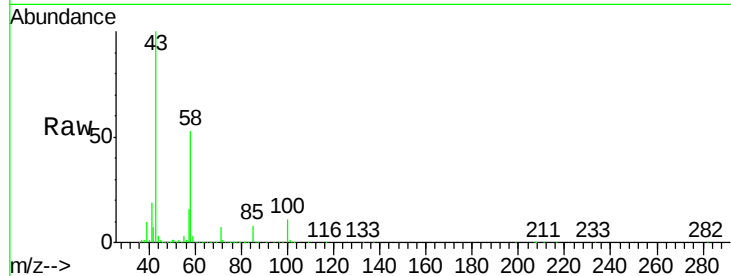




#59
 2-Hexanone
 Concen: 475.79 ug/l
 RT: 9.63 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VF058114.D
 Acq: 6 Jun 2018 18:37

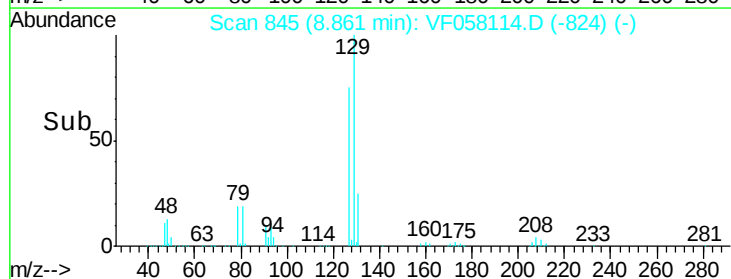
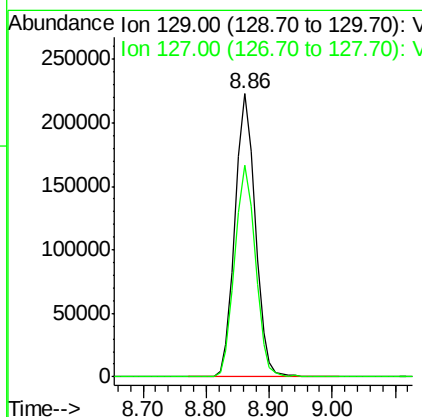
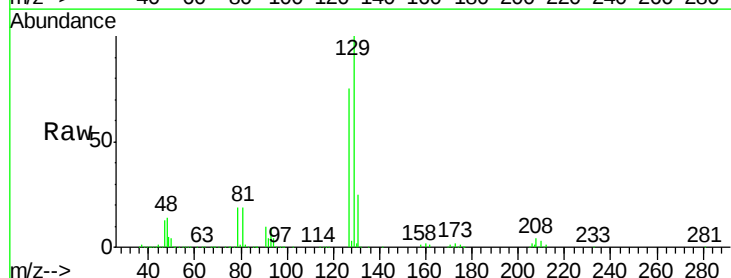
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

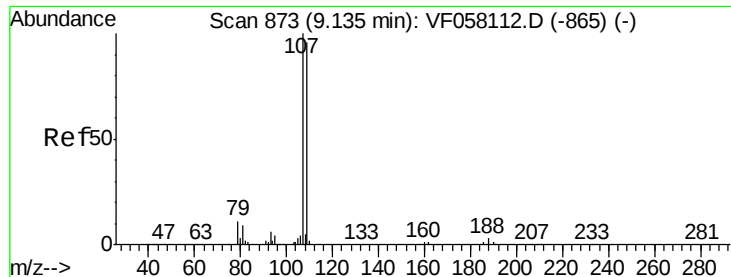
Tgt Ion: 43 Resp: 1213665
 Ion Ratio Lower Upper
 43 100
 58 52.6 26.3 78.8



#60
 Dibromochloromethane
 Concen: 98.42 ug/l
 RT: 8.86 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: VF058114.D
 Acq: 6 Jun 2018 18:37

Tgt Ion: 129 Resp: 496467
 Ion Ratio Lower Upper
 129 100
 127 74.8 37.6 112.9

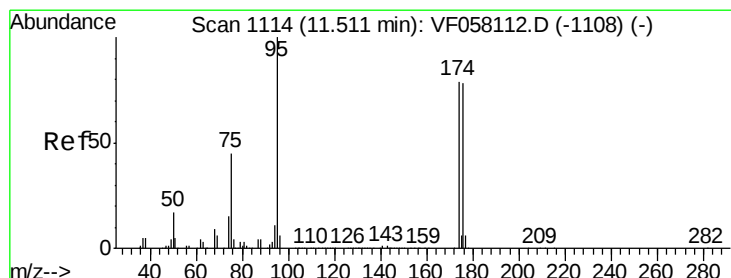
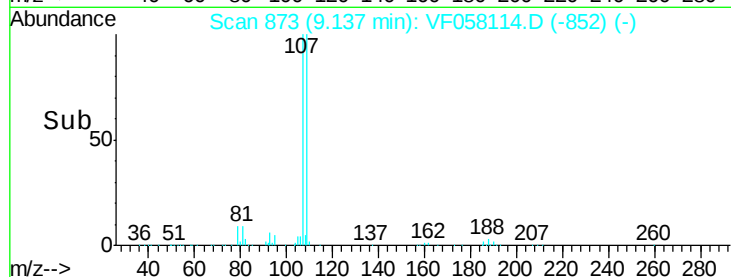
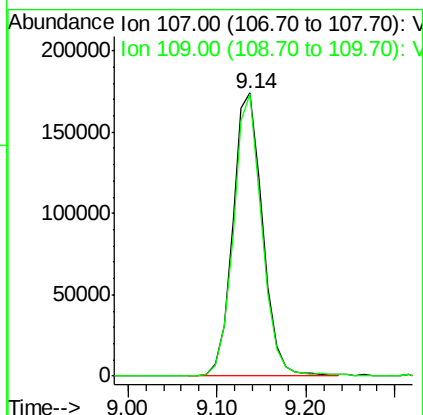
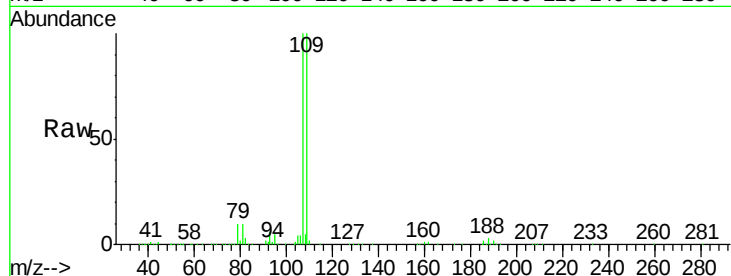




#61
 1,2-Dibromoethane
 Concen: 95.29 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VF058114.D
 Acq: 6 Jun 2018 18:37

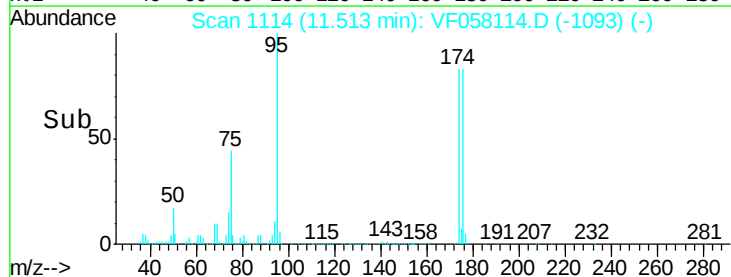
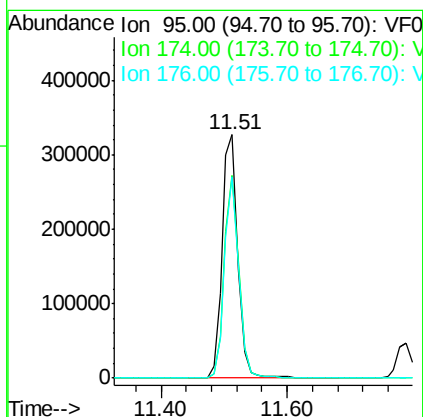
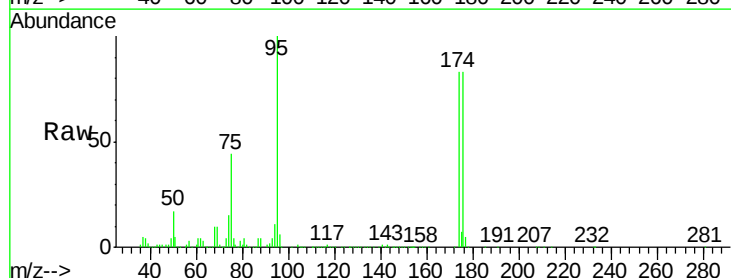
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

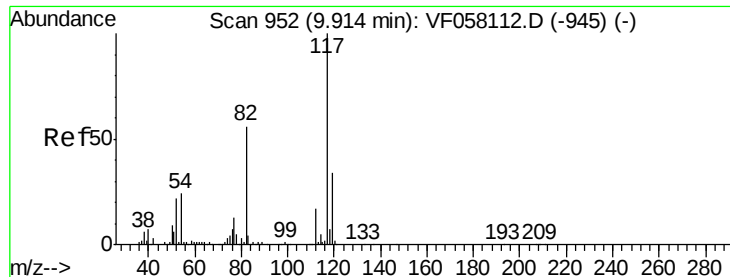
Tgt Ion: 107 Resp: 403323
 Ion Ratio Lower Upper
 107 100
 109 99.6 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 89.32 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF058114.D
 Acq: 6 Jun 2018 18:37

Tgt Ion: 95 Resp: 570138
 Ion Ratio Lower Upper
 95 100
 174 83.2 0.0 157.8
 176 82.8 0.0 155.8

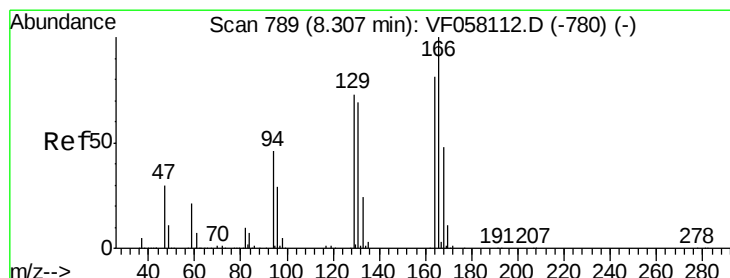
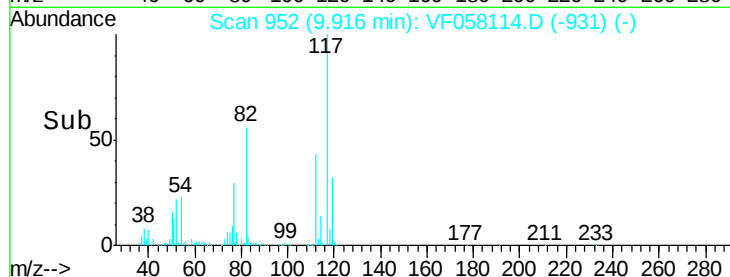
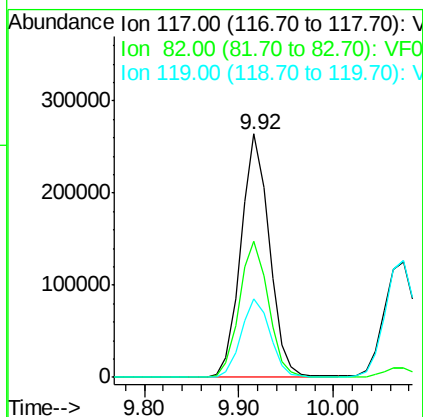
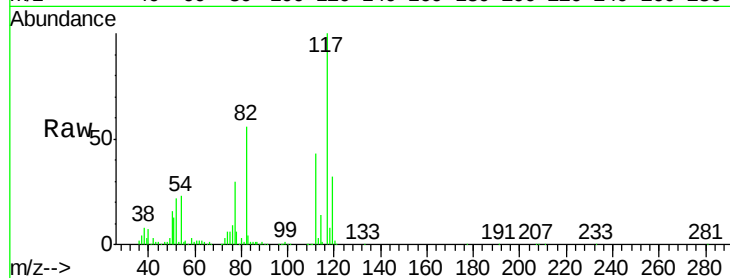




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF058114.D
Acq: 6 Jun 2018 18:37

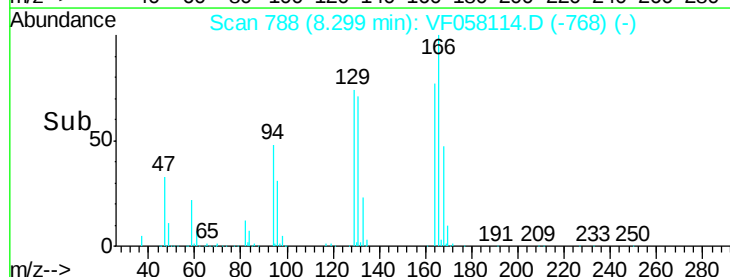
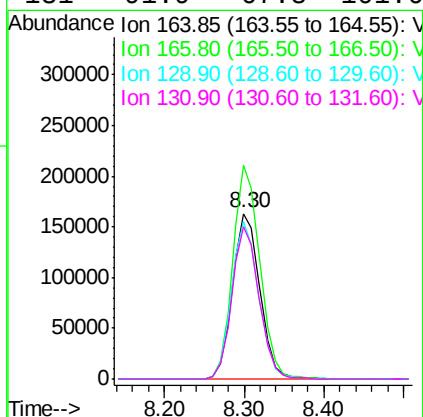
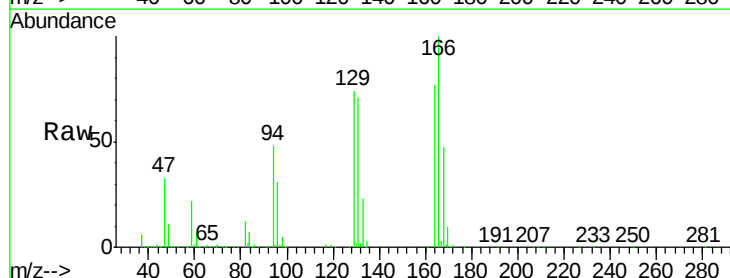
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

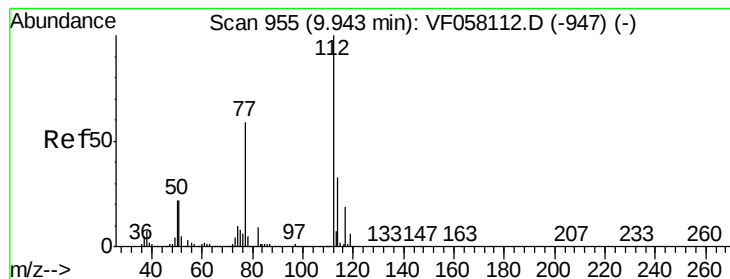
Tgt Ion:117 Resp: 552801
Ion Ratio Lower Upper
117 100
82 56.2 45.2 67.8
119 32.4 27.5 41.3



#64
Tetrachloroethene
Concen: 93.50 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF058114.D
Acq: 6 Jun 2018 18:37

Tgt Ion:164 Resp: 390158
Ion Ratio Lower Upper
164 100
166 129.3 98.2 147.4
129 95.3 71.6 107.4
131 91.9 67.8 101.6





#65

Chlorobenzene

Concen: 94.01 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

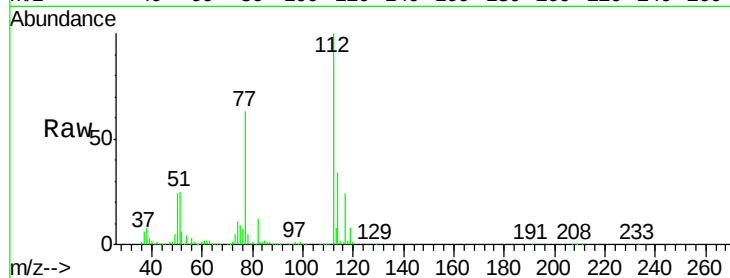
VSTDIC100

Tgt Ion:112 Resp: 1052967

Ion Ratio Lower Upper

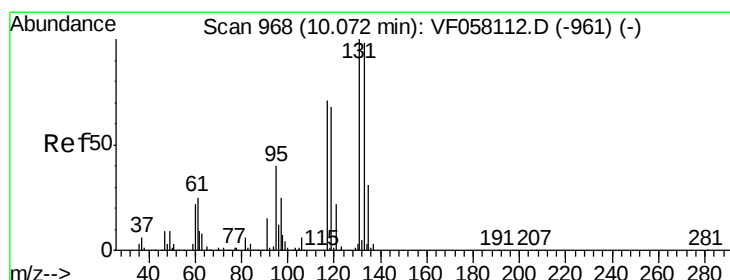
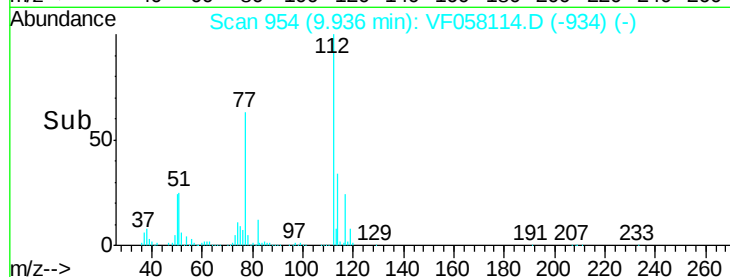
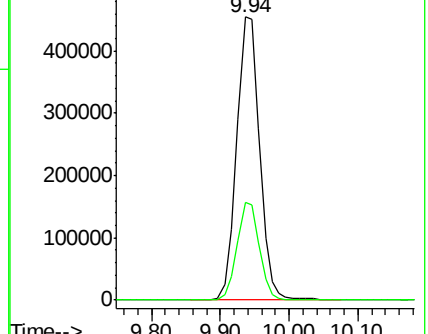
112 100

114 34.5 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 95.82 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

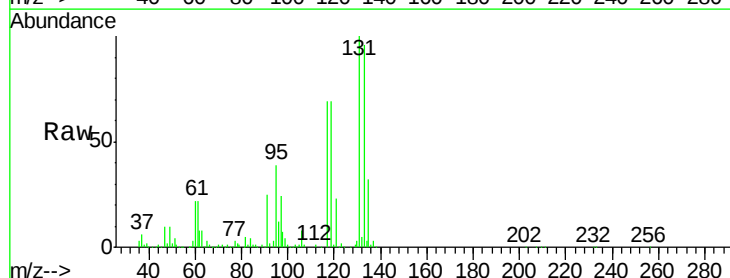
Tgt Ion:131 Resp: 419501

Ion Ratio Lower Upper

131 100

133 95.9 49.1 147.4

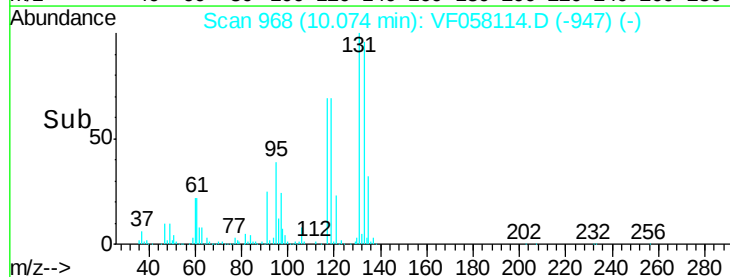
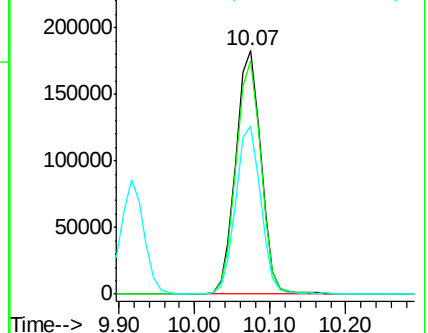
119 69.1 34.3 102.8

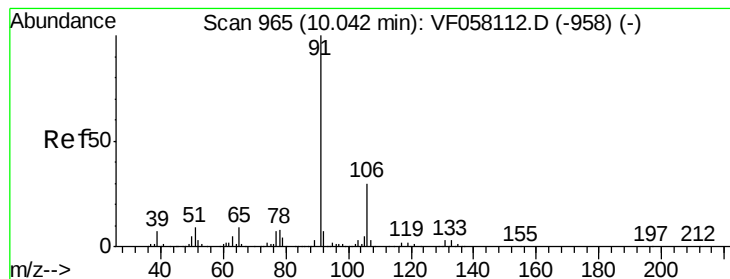


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 90.10 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

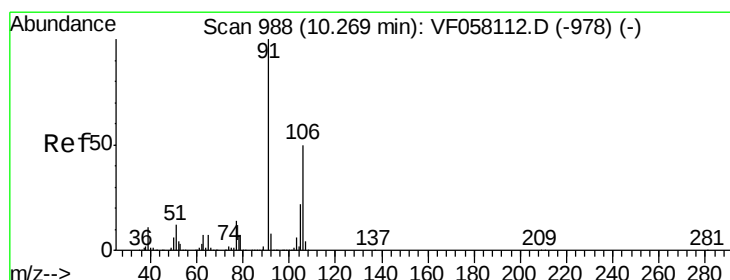
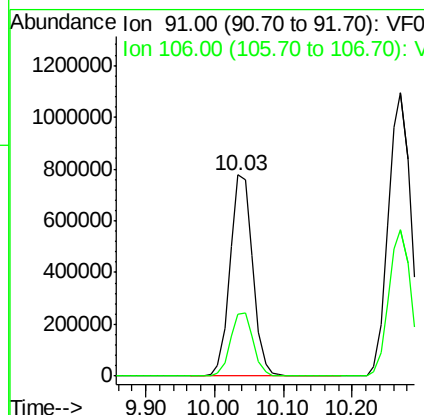
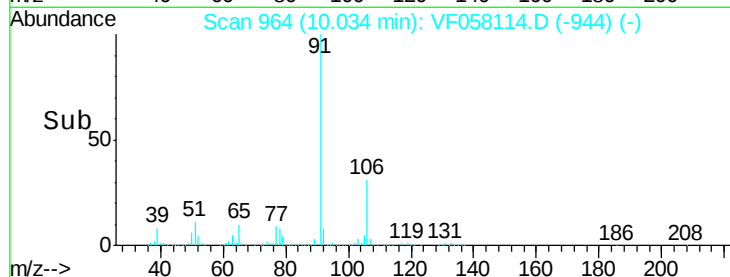
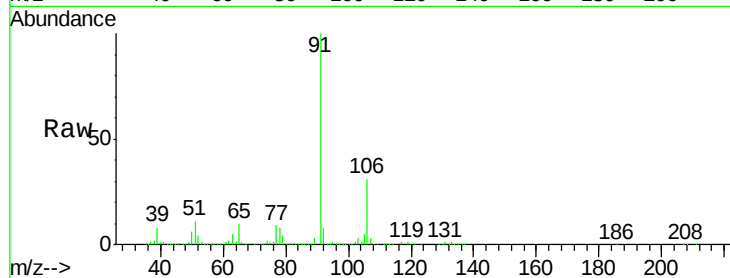
VSTDIC100

Tgt Ion: 91 Resp: 1773751

Ion Ratio Lower Upper

91 100

106 30.8 24.2 36.4



#68

m/p-Xylenes

Concen: 174.18 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF058114.D

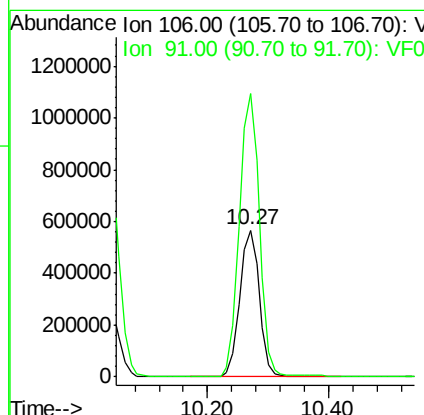
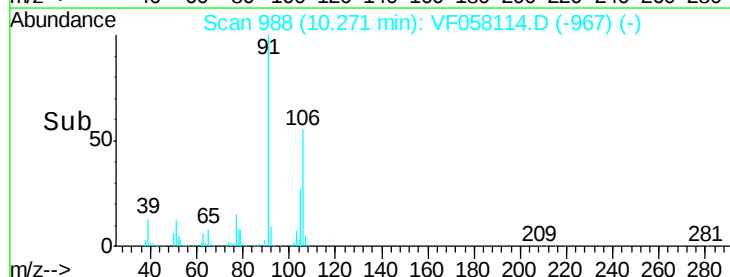
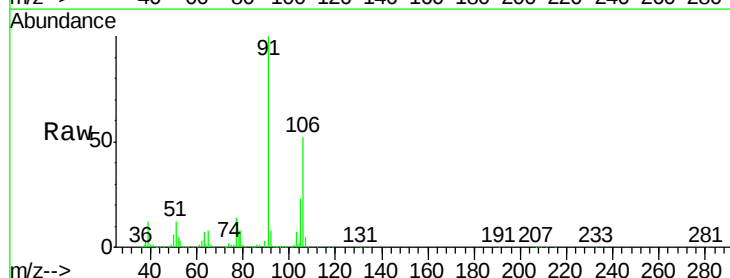
Acq: 6 Jun 2018 18:37

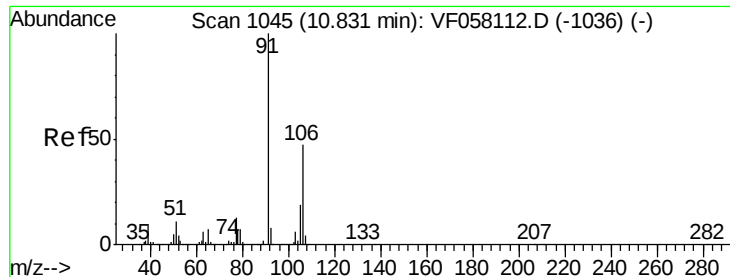
Tgt Ion: 106 Resp: 1271264

Ion Ratio Lower Upper

106 100

91 192.8 160.7 241.1

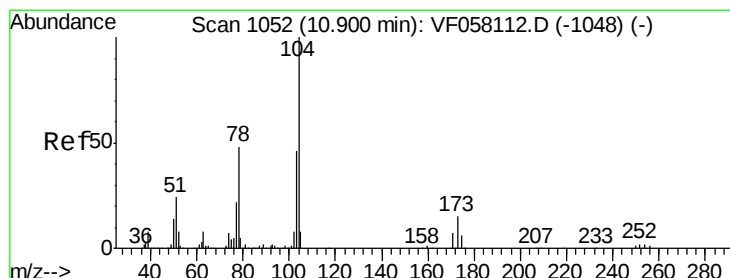
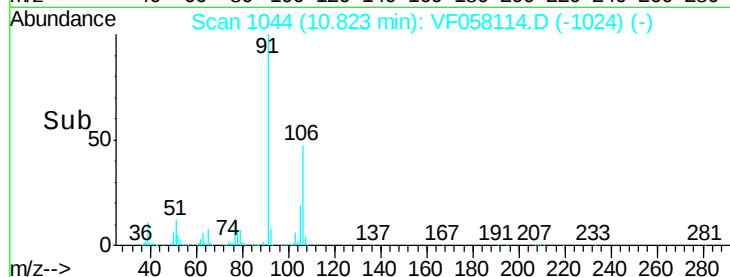
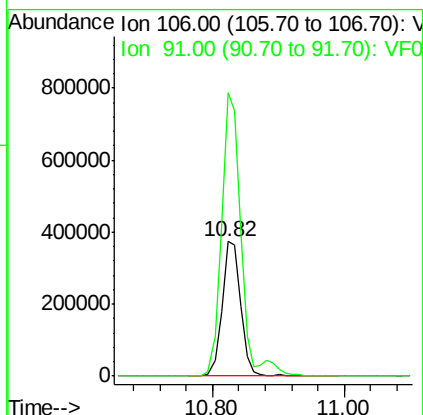
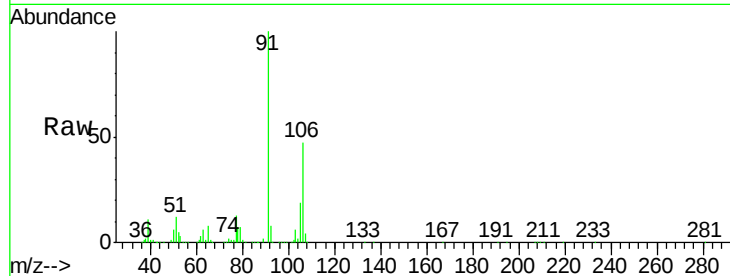




#69
o-Xylene
Concen: 92.74 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF058114.D
Acq: 6 Jun 2018 18:37

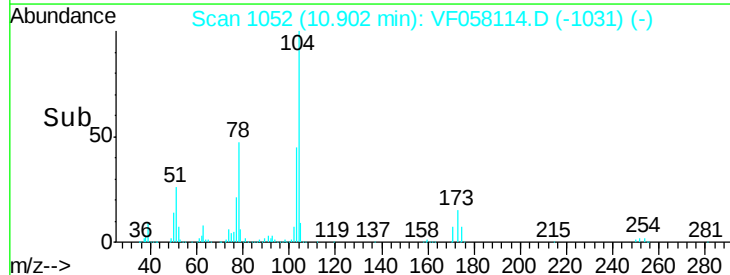
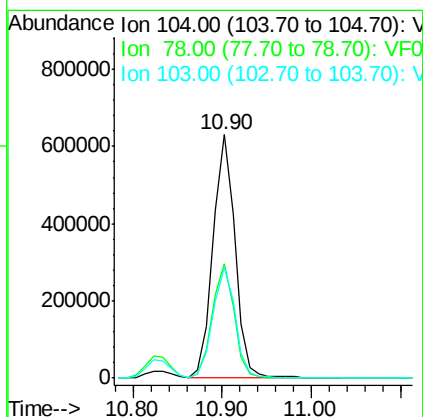
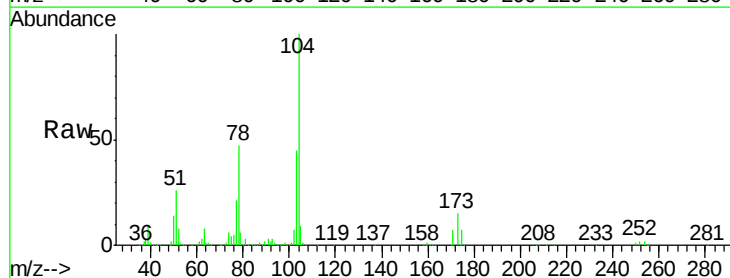
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

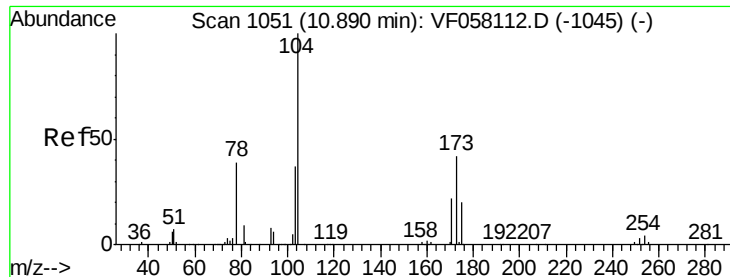
Tgt Ion:106 Resp: 737225
Ion Ratio Lower Upper
106 100
91 210.6 107.0 321.0



#70
Styrene
Concen: 91.10 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF058114.D
Acq: 6 Jun 2018 18:37

Tgt Ion:104 Resp: 1085905
Ion Ratio Lower Upper
104 100
78 46.7 38.4 57.6
103 45.3 37.0 55.6





#71

Bromoform

Concen: 102.44 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

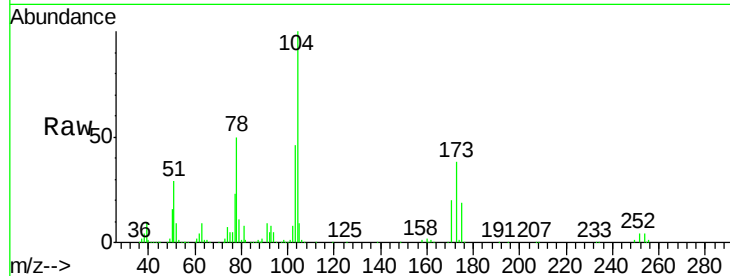
Tgt Ion:173 Resp: 308429

Ion Ratio Lower Upper

173 100

175 49.1 24.6 74.0

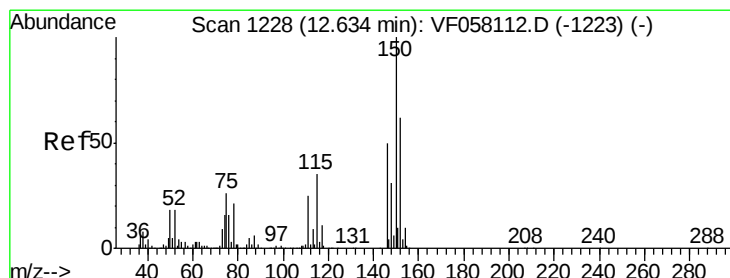
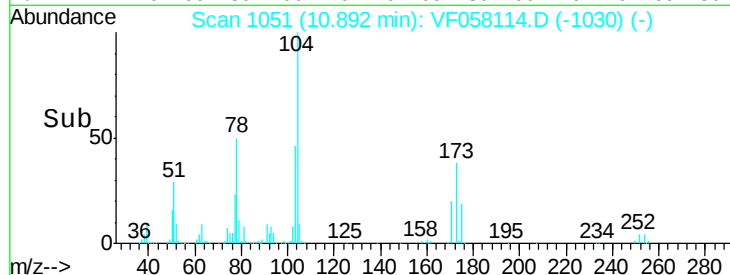
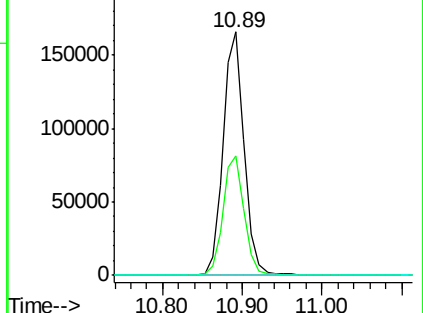
254 0.1 7.8 11.8#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

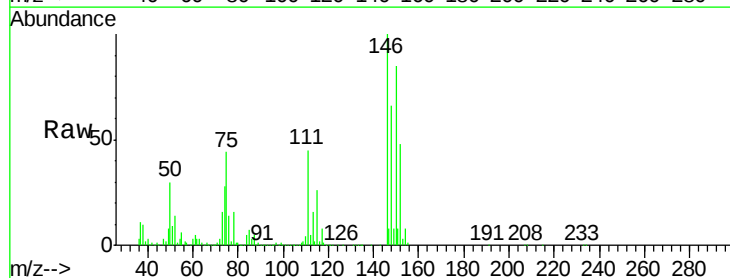
Tgt Ion:152 Resp: 307817

Ion Ratio Lower Upper

152 100

115 53.8 28.5 85.5

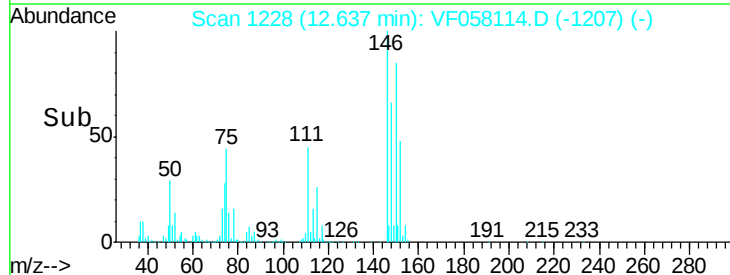
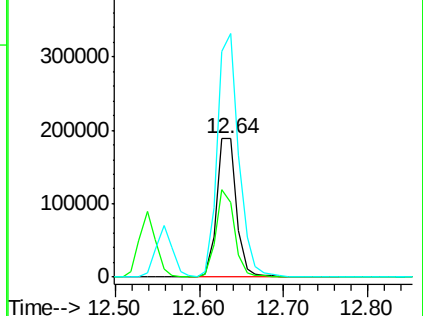
150 175.8 0.0 323.8

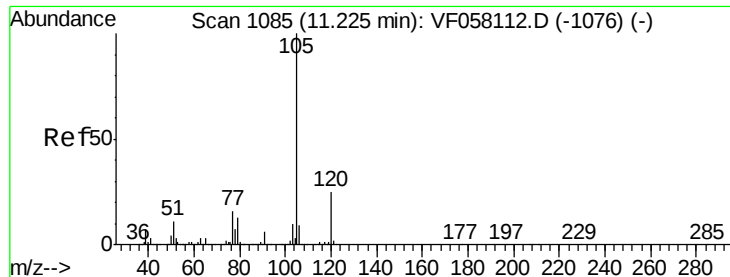


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 89.58 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

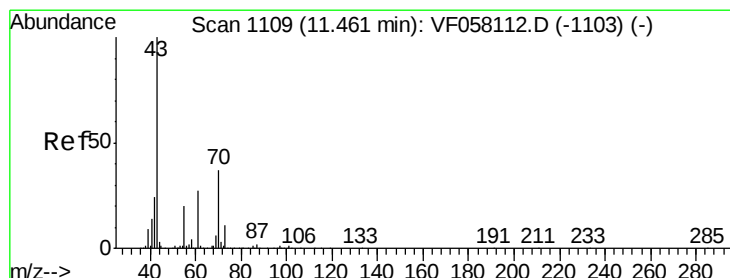
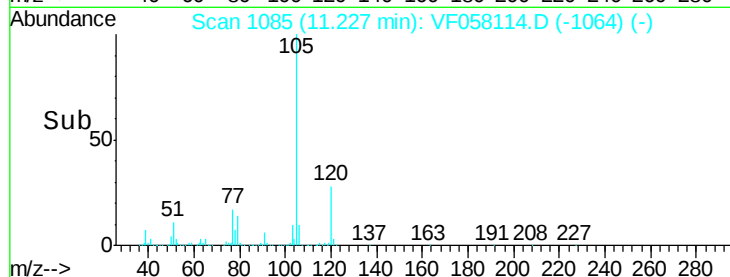
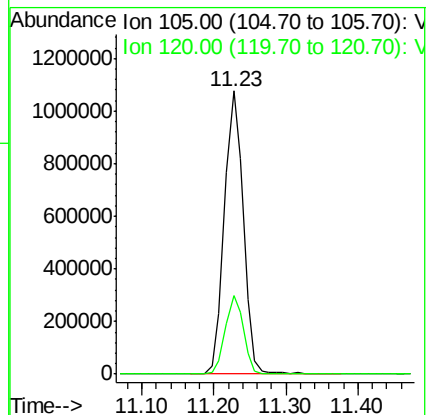
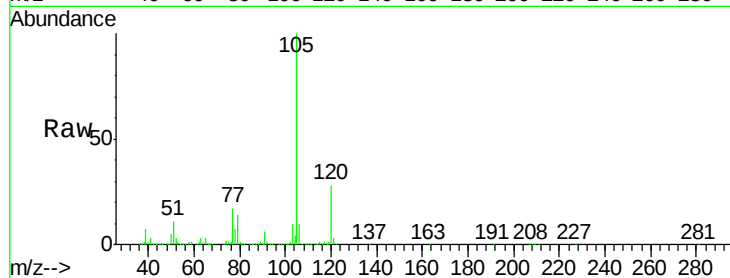
VSTDIC100

Tgt Ion:105 Resp: 1958211

Ion Ratio Lower Upper

105 100

120 27.6 12.7 38.1



#74

N-ethyl acetate

Concen: 91.65 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Tgt Ion: 43 Resp: 747129

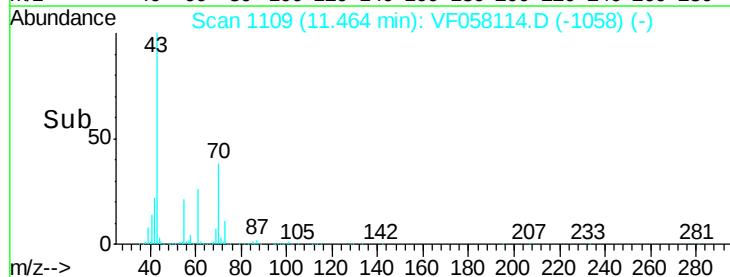
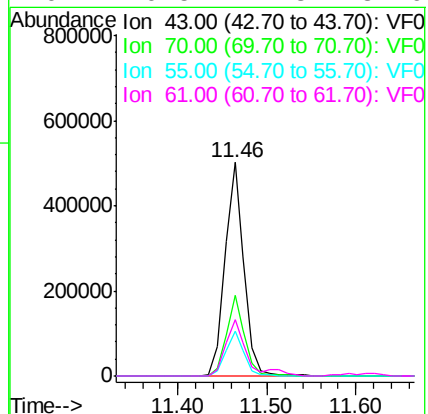
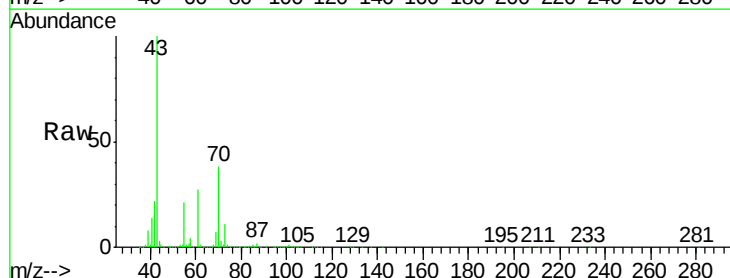
Ion Ratio Lower Upper

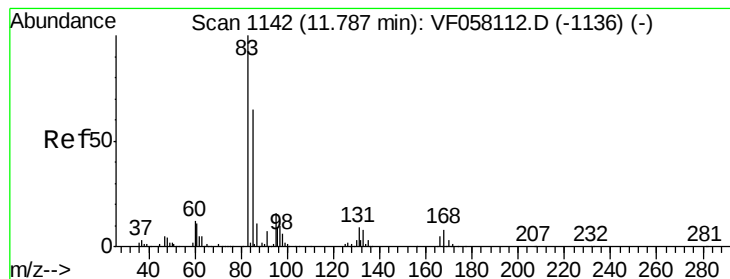
43 100

70 38.0 29.2 43.8

55 20.9 15.8 23.6

61 26.5 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 93.66 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

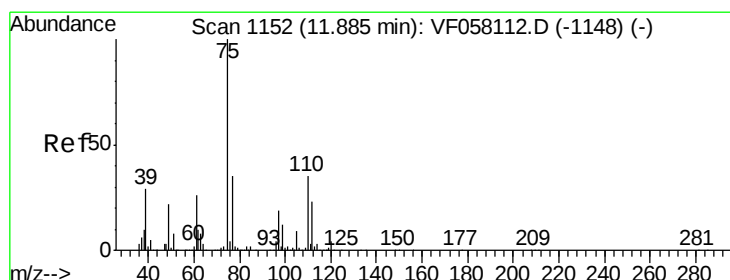
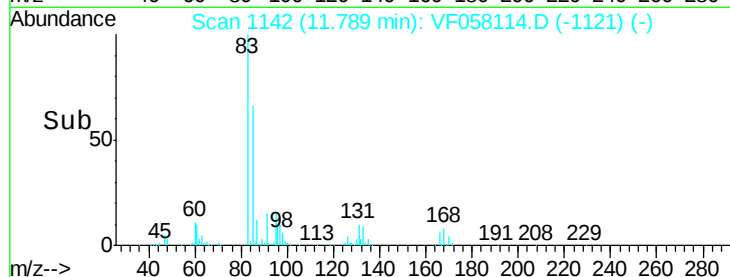
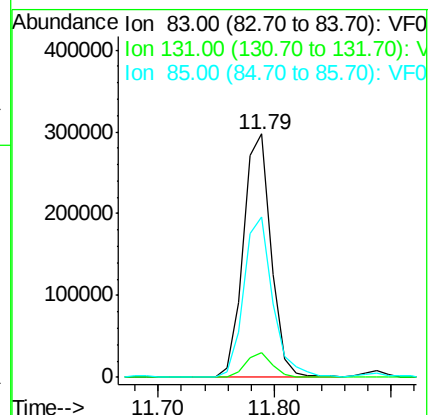
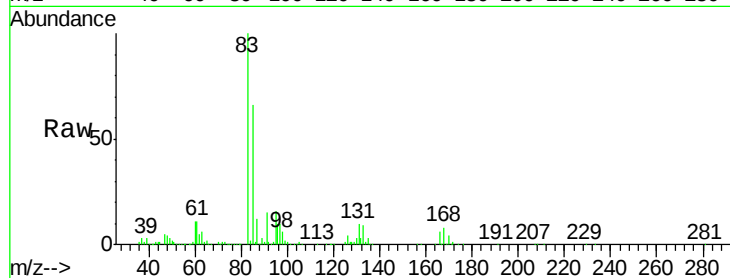
Tgt Ion: 83 Resp: 490428

Ion Ratio Lower Upper

83 100

131 10.0 4.5 13.7

85 65.6 32.8 98.3



#76

1,2,3-Trichloropropane

Concen: 96.40 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF058114.D

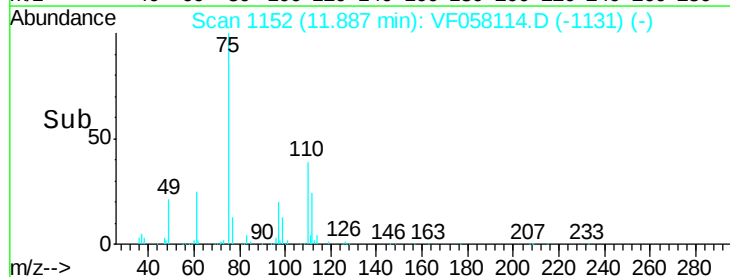
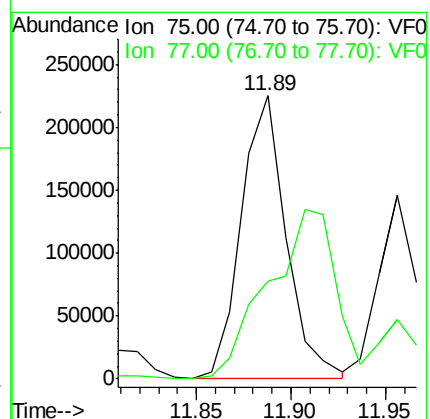
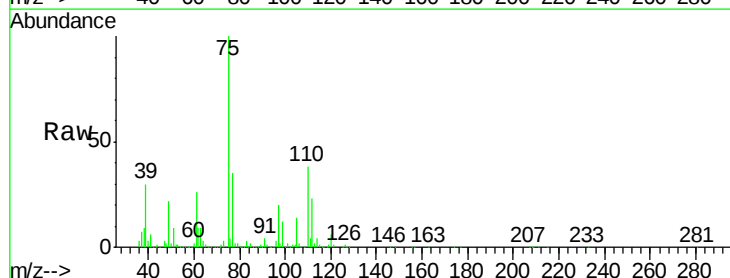
Acq: 6 Jun 2018 18:37

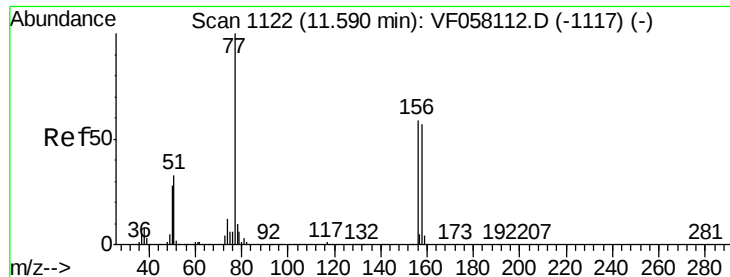
Tgt Ion: 75 Resp: 368319

Ion Ratio Lower Upper

75 100

77 34.7 17.5 52.5





#77

Bromobenzene

Concen: 94.73 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

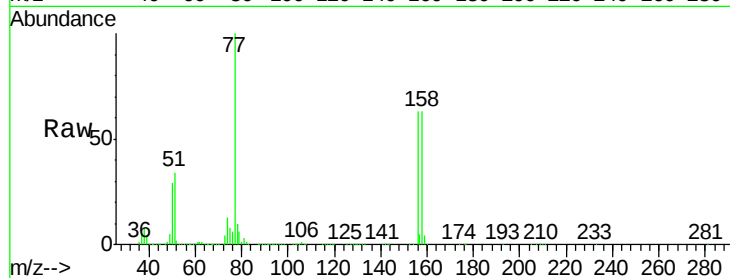
Tgt Ion:156 Resp: 516023

Ion Ratio Lower Upper

156 100

77 158.4 84.8 254.4

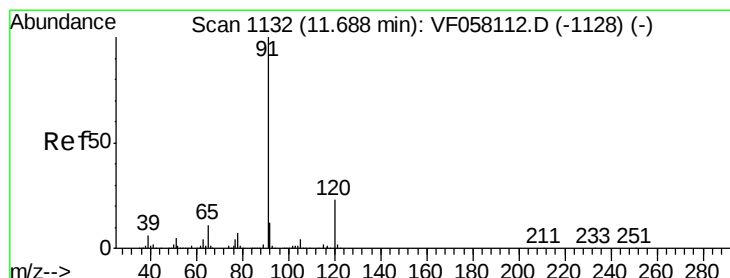
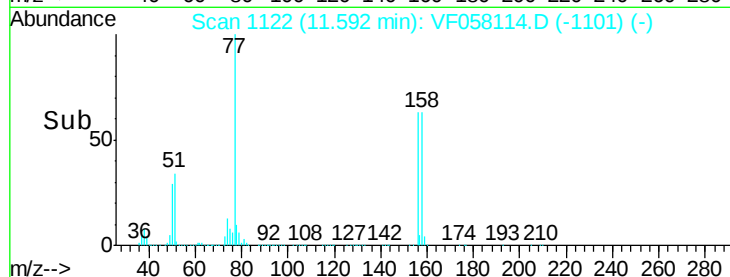
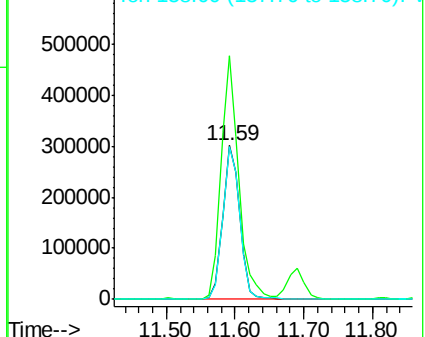
158 99.2 47.9 143.7



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: 86.86 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF058114.D

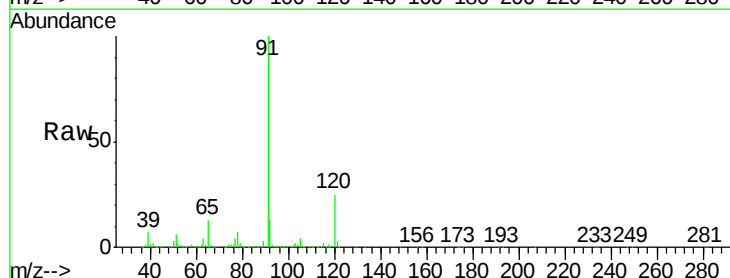
Acq: 6 Jun 2018 18:37

Tgt Ion: 91 Resp: 2268658

Ion Ratio Lower Upper

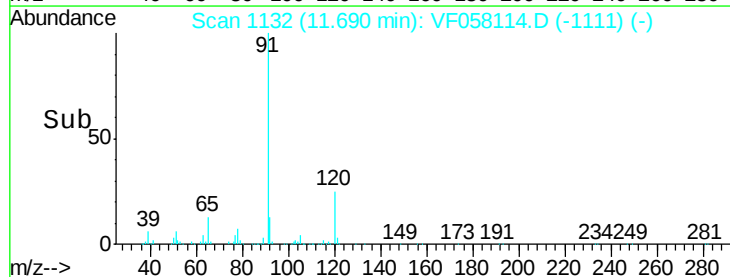
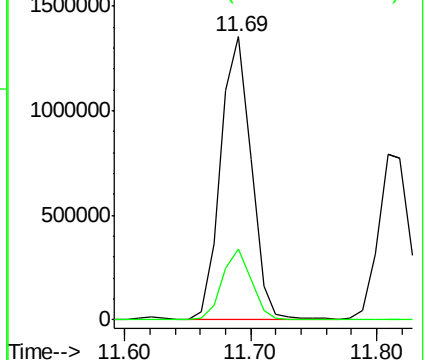
91 100

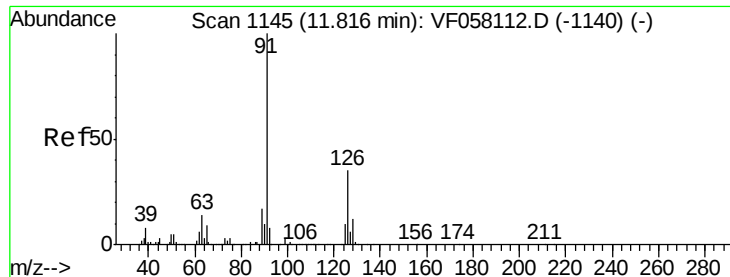
120 24.8 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

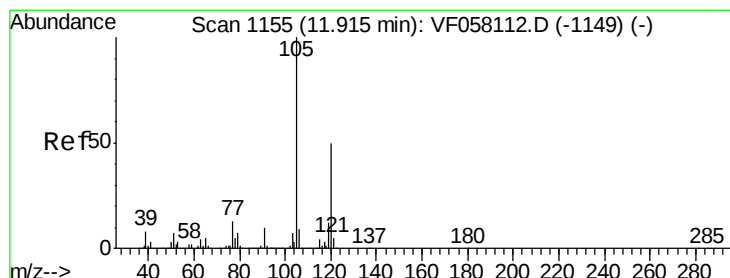
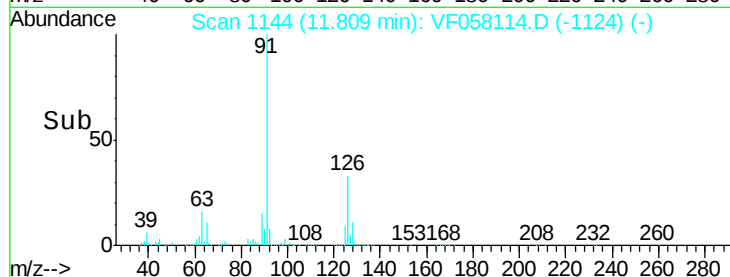
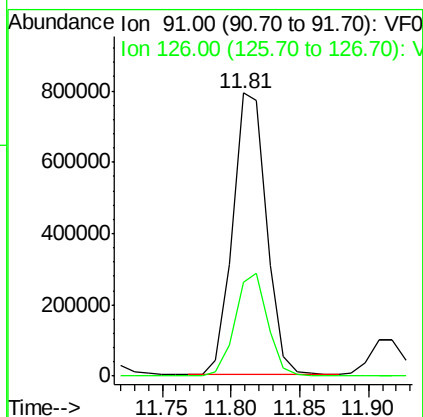
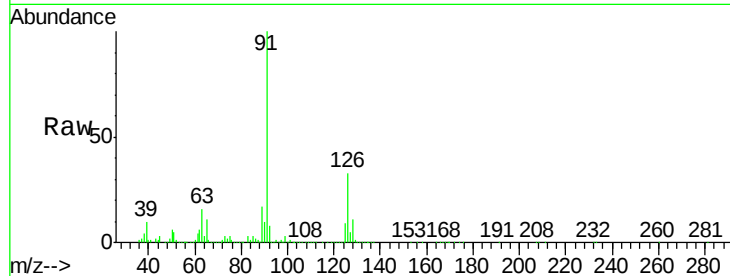




#79
 2-Chlorotoluene
 Concen: 87.15 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VF058114.D
 Acq: 6 Jun 2018 18:37

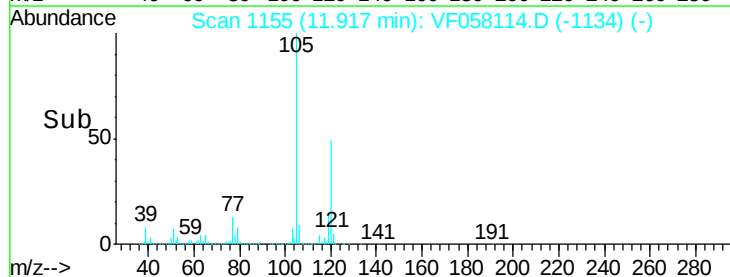
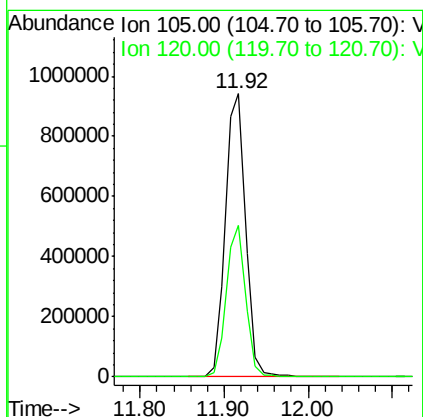
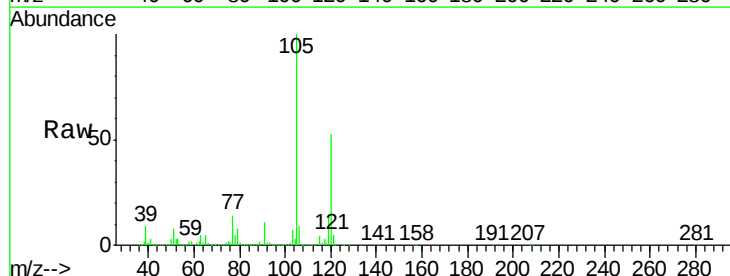
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

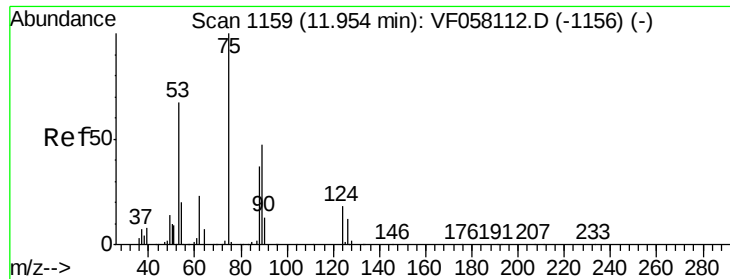
Tgt Ion: 91 Resp: 1344716
 Ion Ratio Lower Upper
 91 100
 126 33.0 17.6 52.9



#80
 1,3,5-Trimethylbenzene
 Concen: 86.88 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF058114.D
 Acq: 6 Jun 2018 18:37

Tgt Ion: 105 Resp: 1574498
 Ion Ratio Lower Upper
 105 100
 120 53.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 102.75 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

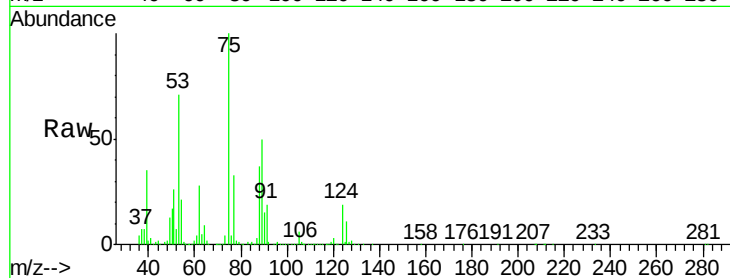
Tgt Ion: 75 Resp: 248637

Ion Ratio Lower Upper

75 100

53 71.0 58.7 88.1

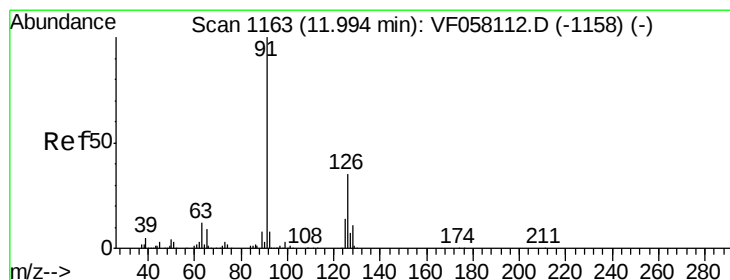
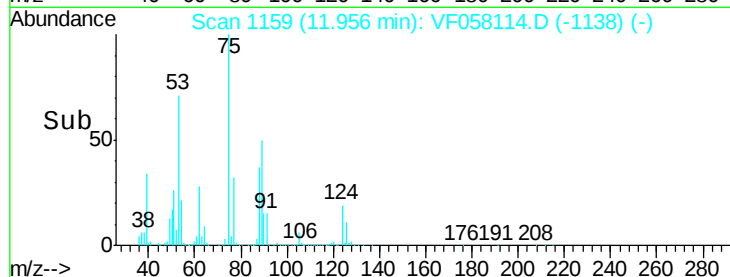
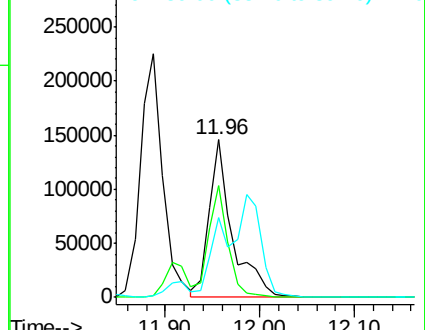
89 50.4 39.8 59.6



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: 89.51 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF058114.D

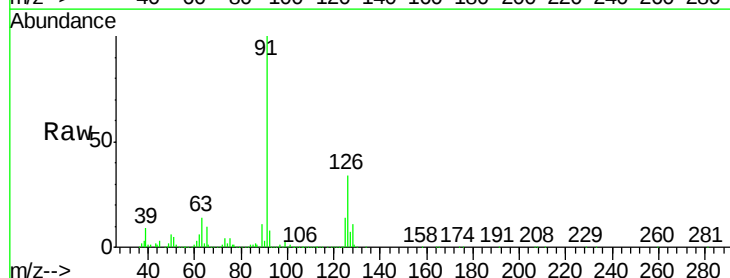
Acq: 6 Jun 2018 18:37

Tgt Ion: 91 Resp: 1456527

Ion Ratio Lower Upper

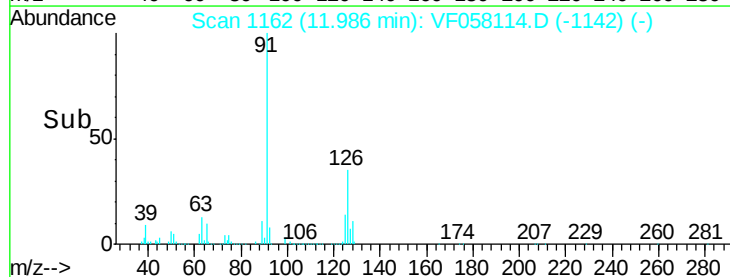
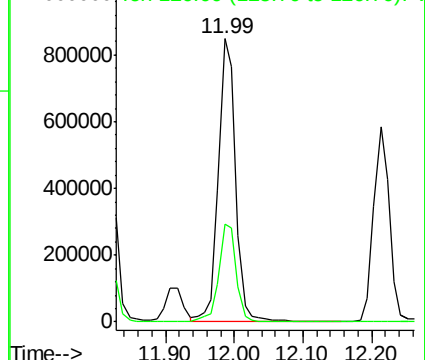
91 100

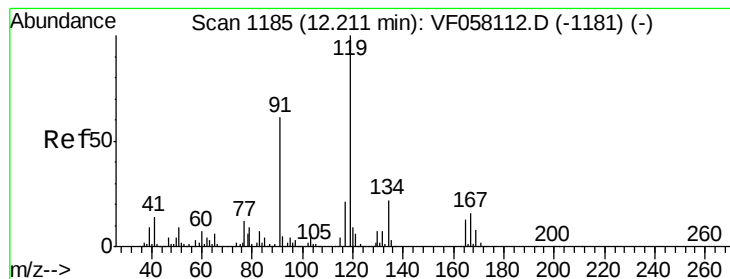
126 34.5 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 85.84 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

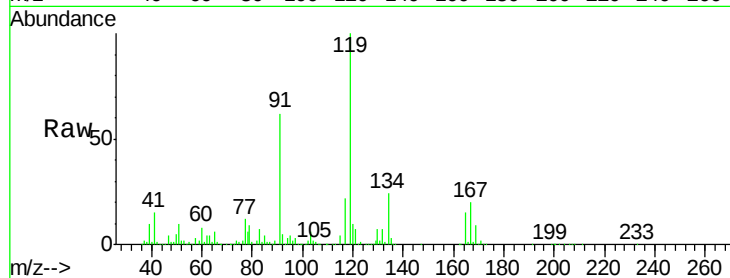
Tgt Ion:119 Resp: 1555861

Ion Ratio Lower Upper

119 100

91 62.1 30.4 91.3

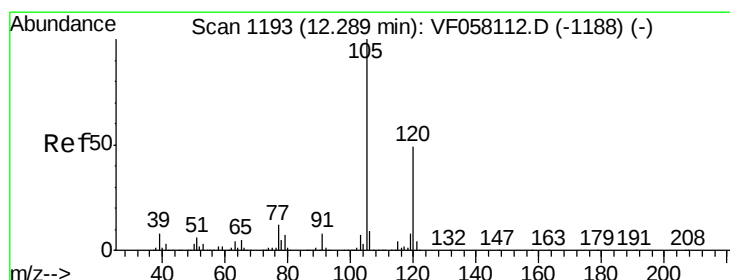
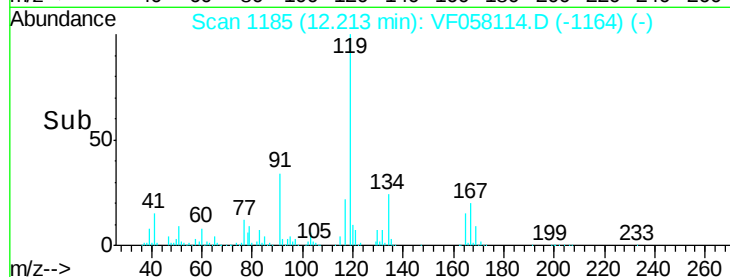
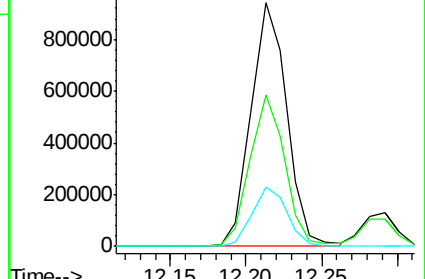
134 24.2 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 84.90 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF058114.D

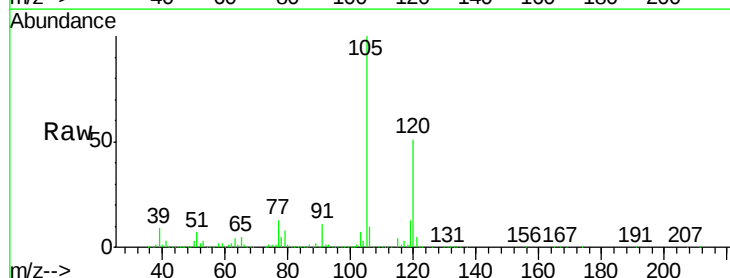
Acq: 6 Jun 2018 18:37

Tgt Ion:105 Resp: 1596145

Ion Ratio Lower Upper

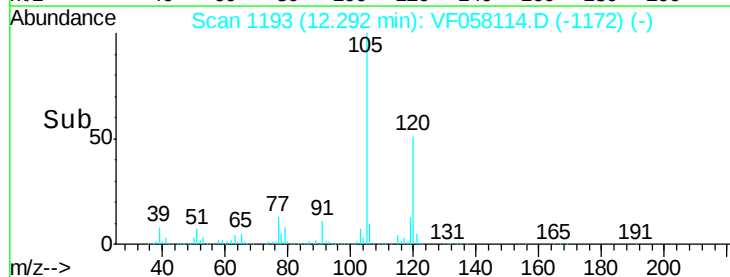
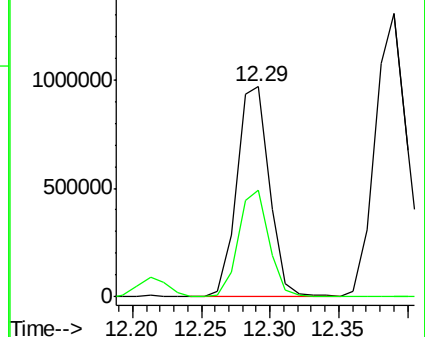
105 100

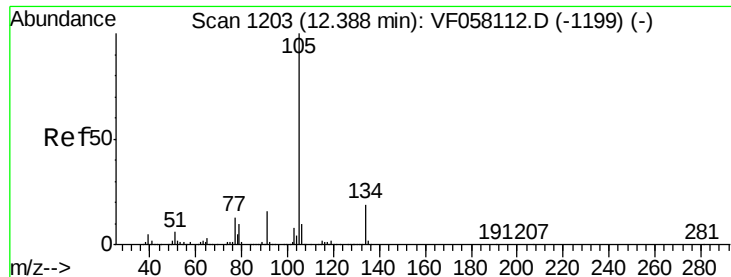
120 50.7 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 85.72 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

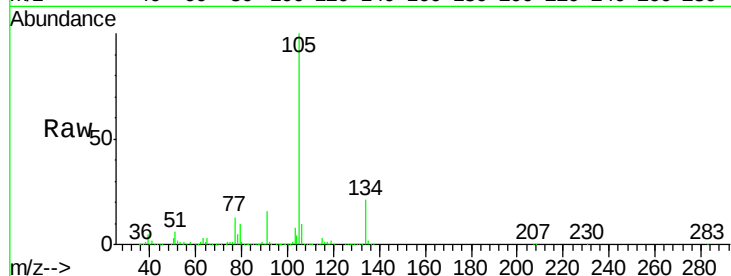
VSTDIC100

Tgt Ion:105 Resp: 2104490

Ion Ratio Lower Upper

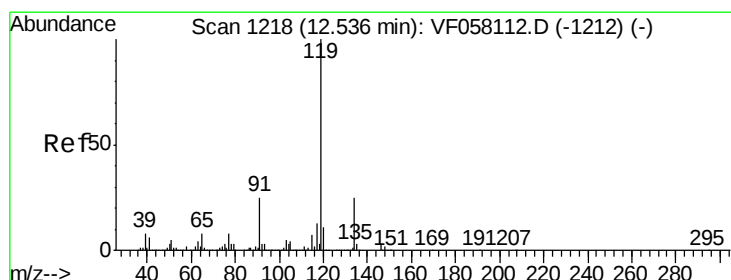
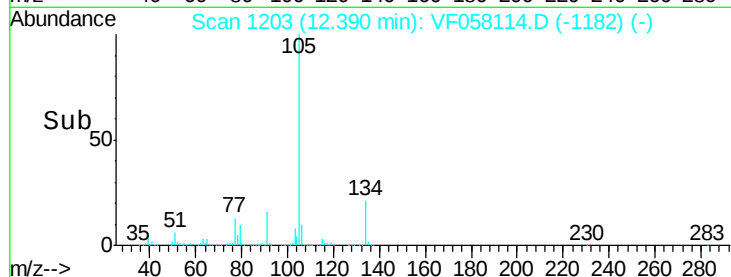
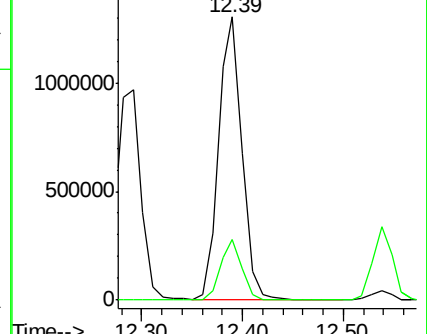
105 100

134 21.3 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 86.78 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

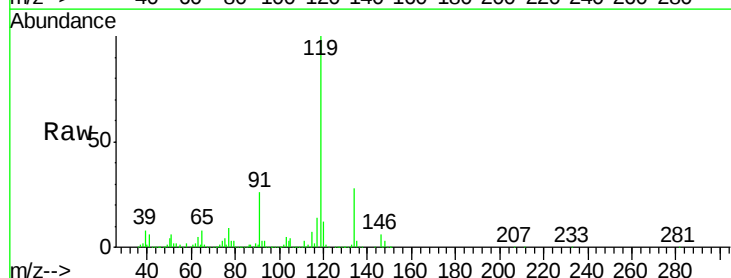
Tgt Ion:119 Resp: 1776051

Ion Ratio Lower Upper

119 100

134 27.6 12.7 38.0

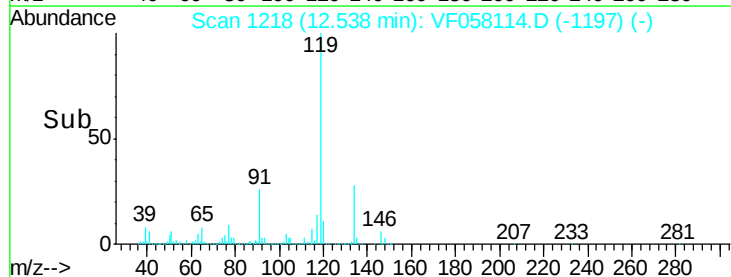
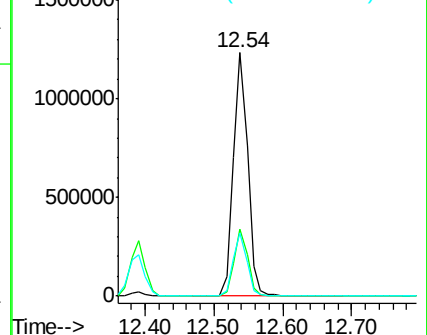
91 26.1 12.6 37.6

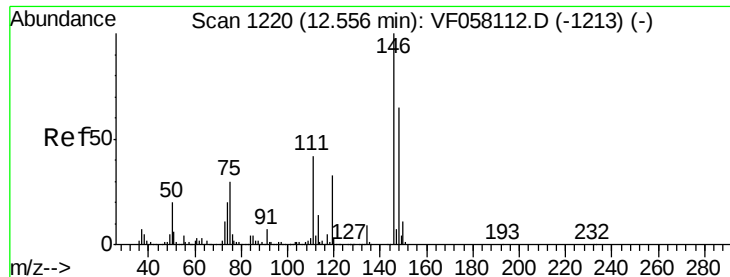


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 89.60 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

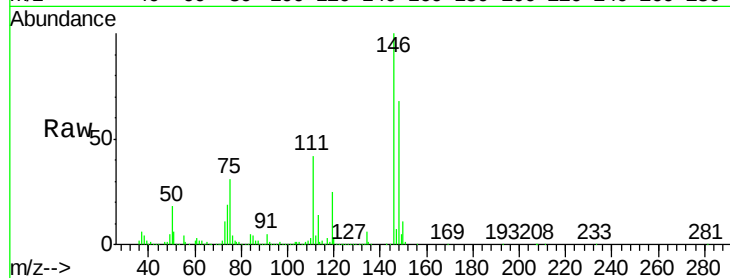
Tgt Ion:146 Resp: 899793

Ion Ratio Lower Upper

146 100

111 42.0 20.8 62.5

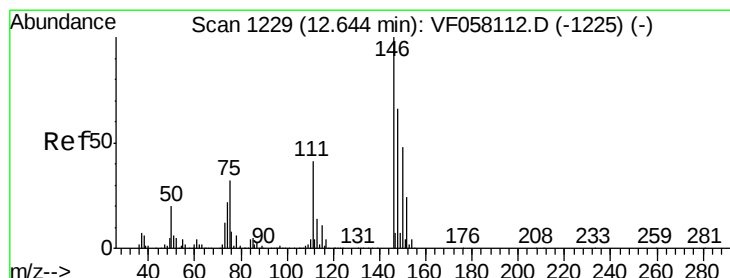
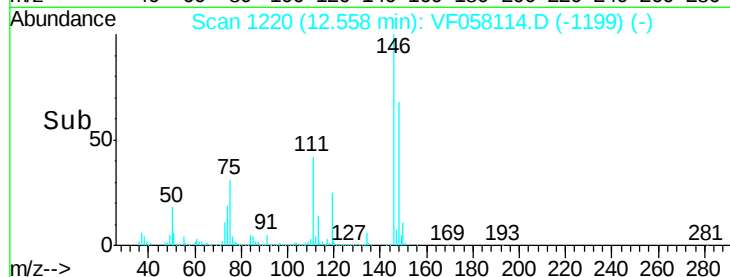
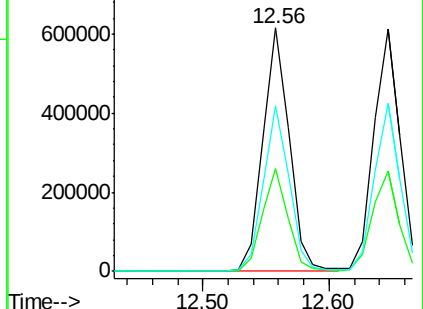
148 67.9 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 94.23 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

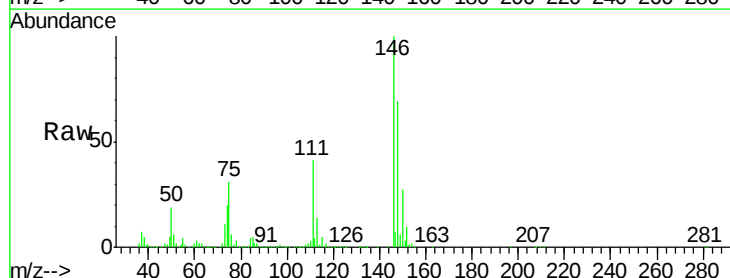
Tgt Ion:146 Resp: 908461

Ion Ratio Lower Upper

146 100

111 41.1 20.4 61.2

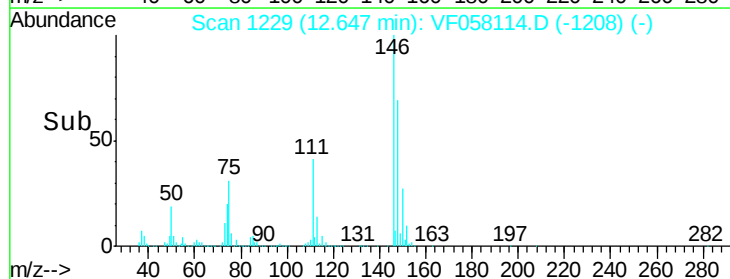
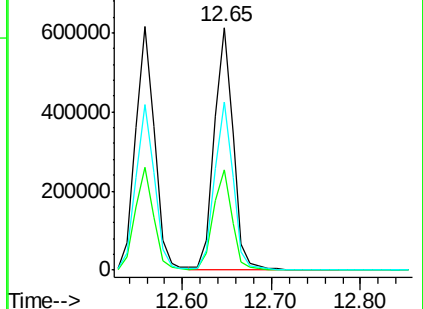
148 69.3 33.0 99.0

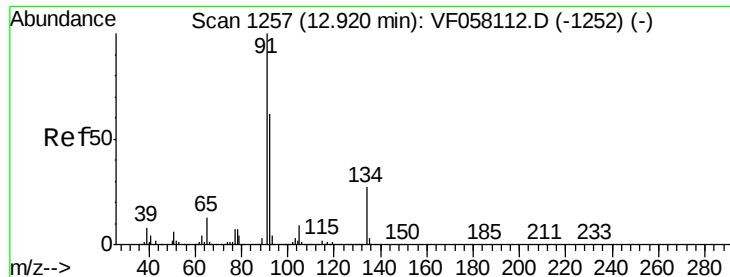


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 80.99 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

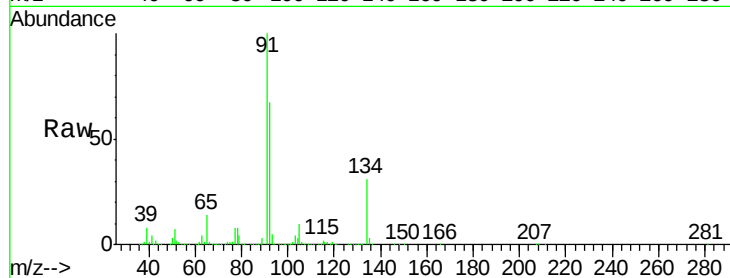
Tgt Ion: 91 Resp: 1727698

Ion Ratio Lower Upper

91 100

92 66.6 31.1 93.5

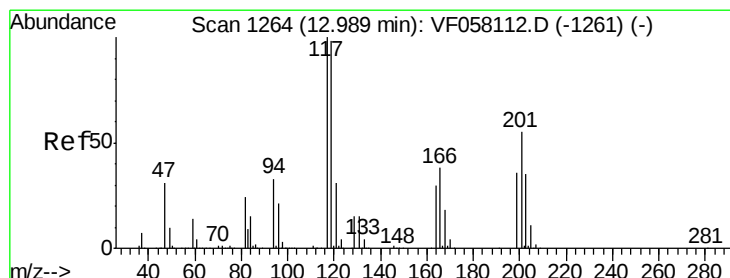
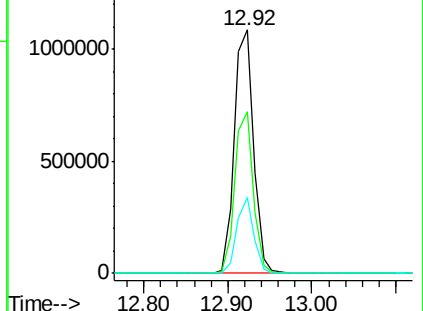
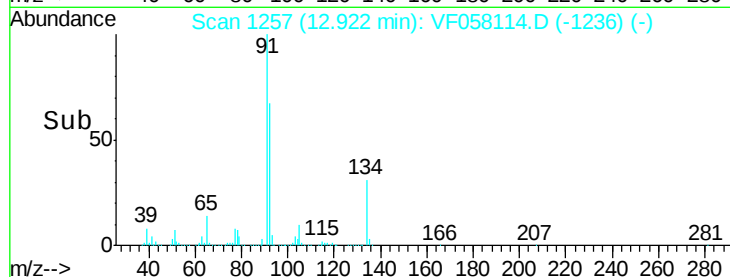
134 31.2 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 93.81 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF058114.D

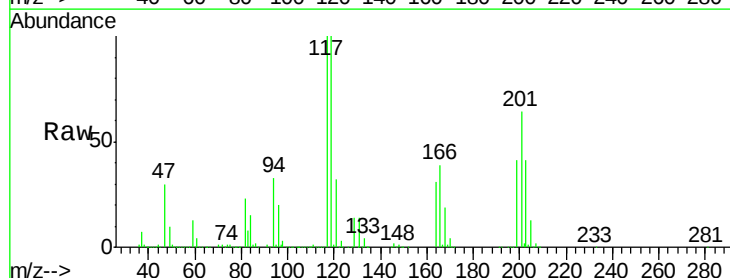
Acq: 6 Jun 2018 18:37

Tgt Ion: 117 Resp: 463064

Ion Ratio Lower Upper

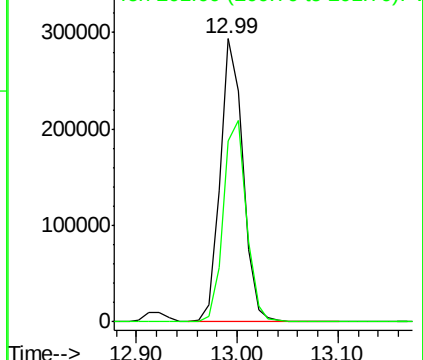
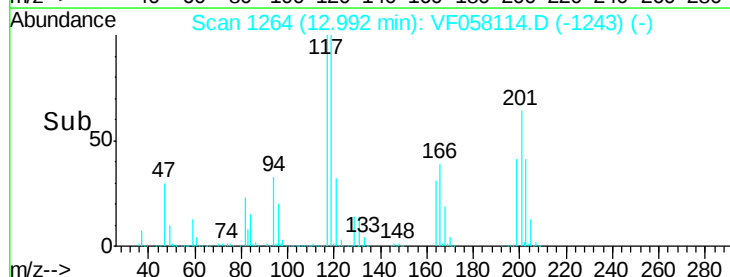
117 100

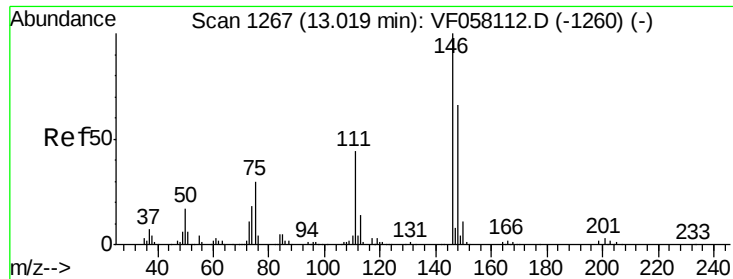
201 63.8 27.5 82.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 92.53 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

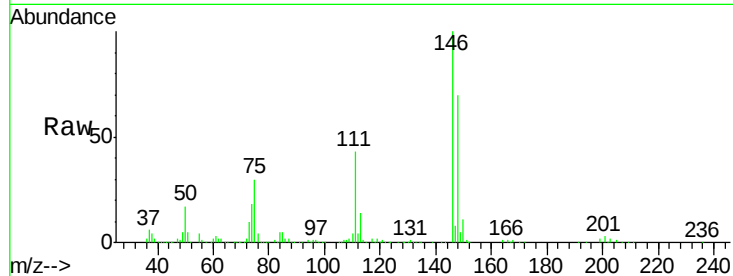
Tgt Ion:146 Resp: 901979

Ion Ratio Lower Upper

146 100

111 43.1 22.0 66.0

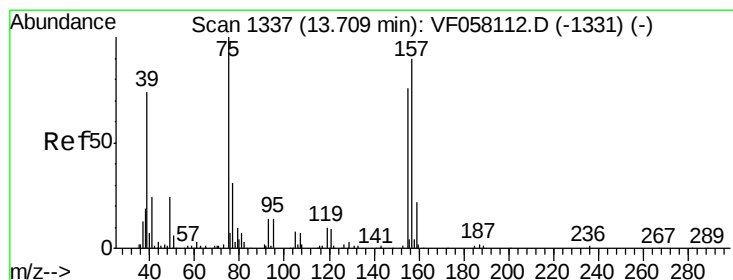
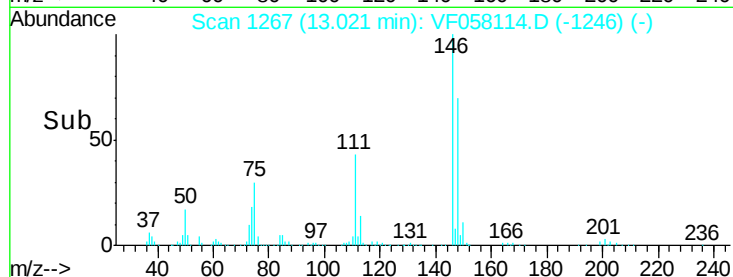
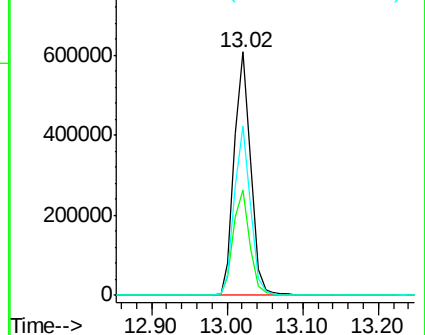
148 69.5 33.1 99.3



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: 105.78 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

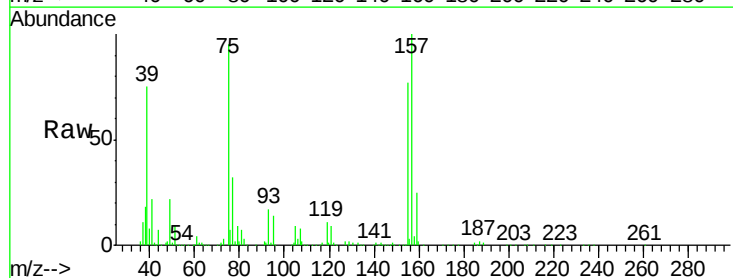
Tgt Ion: 75 Resp: 105642

Ion Ratio Lower Upper

75 100

155 80.5 38.0 114.0

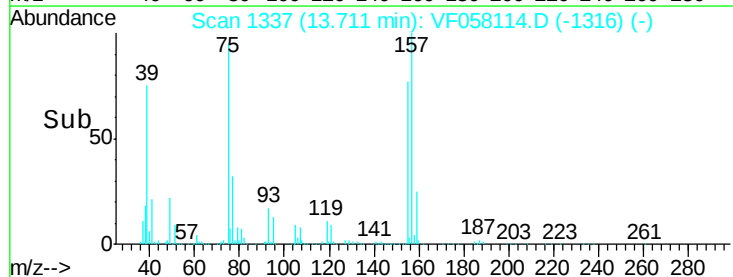
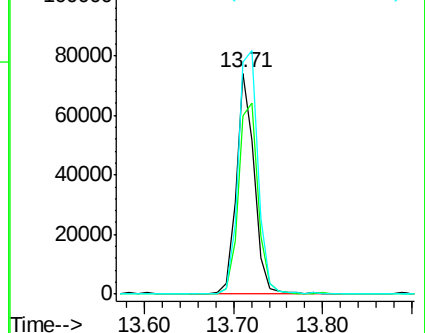
157 104.9 45.1 135.5

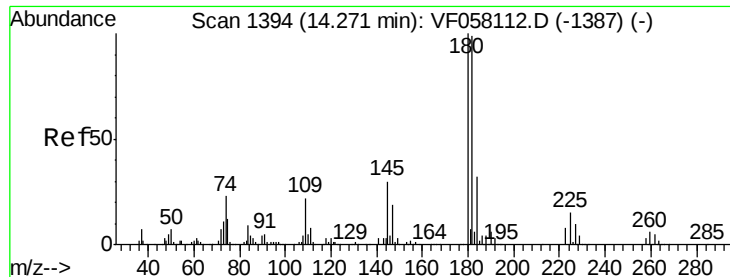


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

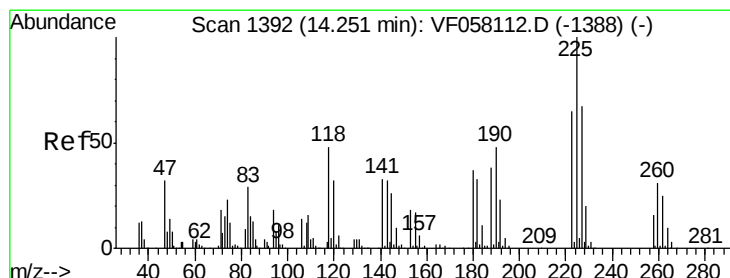
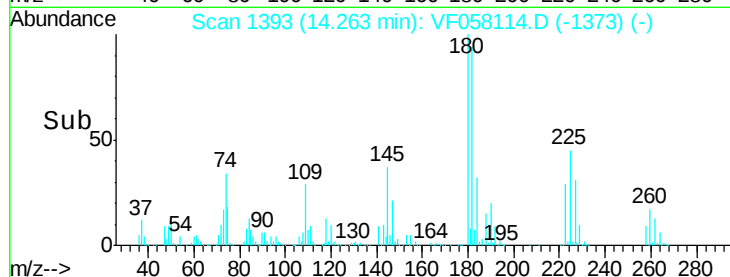
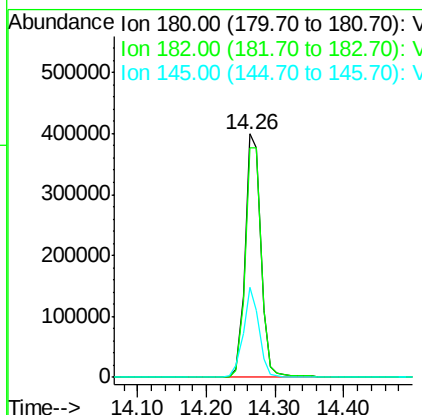
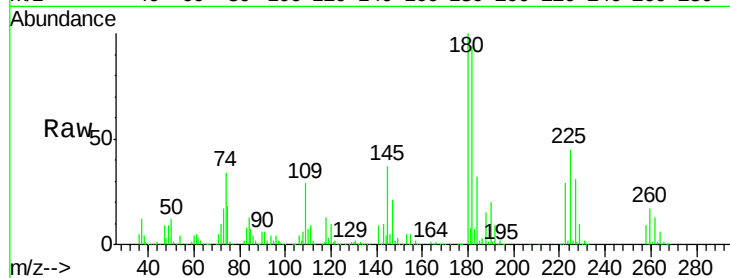




#93
 1,2,4-Trichlorobenzene
 Concen: 93.60 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF058114.D
 Acq: 6 Jun 2018 18:37

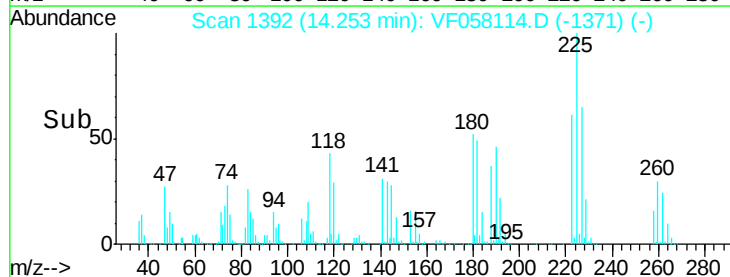
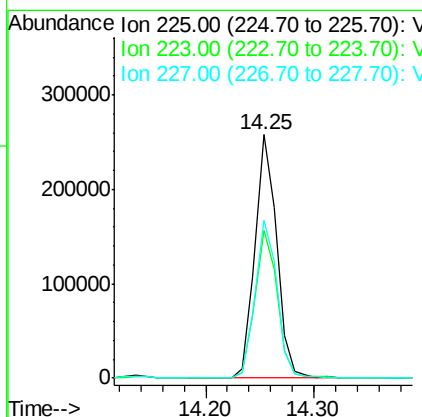
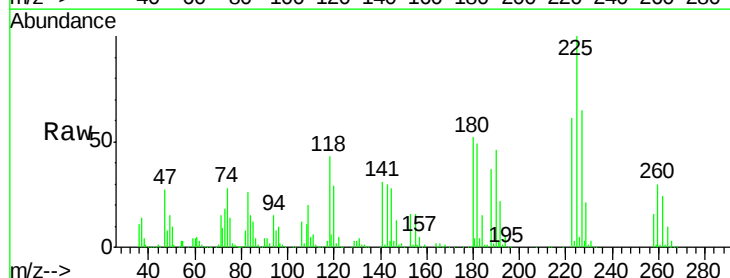
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

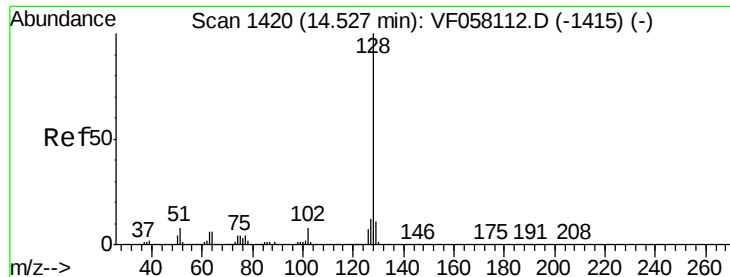
Tgt Ion:180 Resp: 639936
 Ion Ratio Lower Upper
 180 100
 182 94.5 49.3 147.9
 145 36.9 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 91.72 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF058114.D
 Acq: 6 Jun 2018 18:37

Tgt Ion:225 Resp: 362051
 Ion Ratio Lower Upper
 225 100
 223 60.7 32.8 98.3
 227 64.8 33.3 99.9





#95

Naphthalene

Concen: 101.17 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

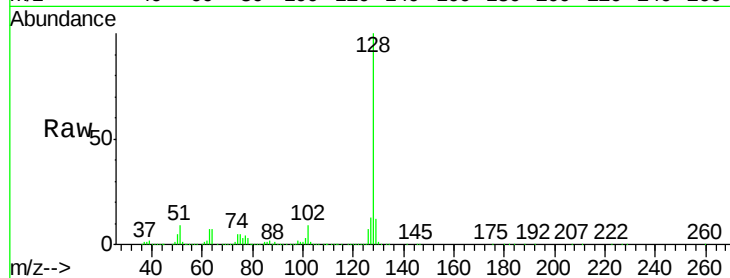
Tgt Ion:128 Resp: 1476629

Ion Ratio Lower Upper

128 100

127 12.7 9.9 14.9

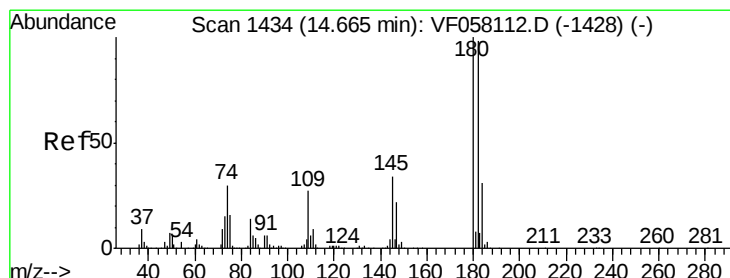
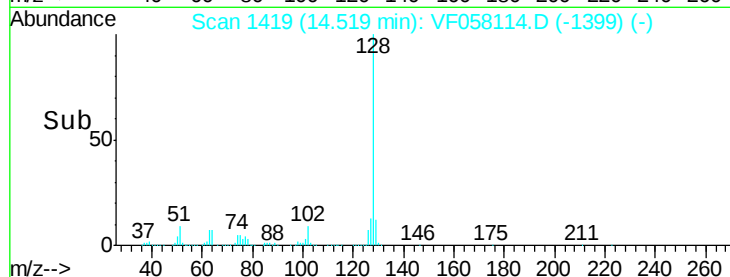
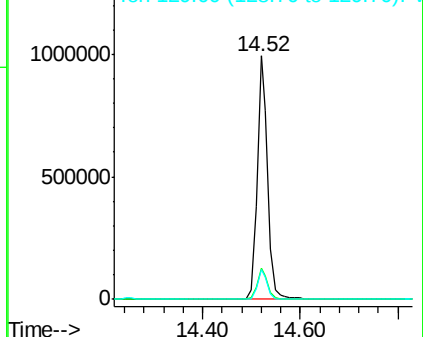
129 12.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 95.67 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

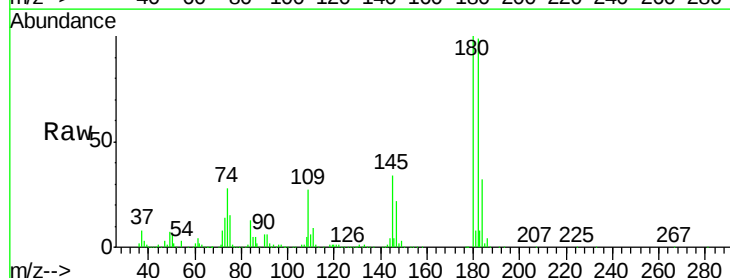
Tgt Ion:180 Resp: 616275

Ion Ratio Lower Upper

180 100

182 98.6 48.9 146.6

145 33.9 17.3 51.7



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

