

Data File : VF059268.D
Acq On : 21 Jun 2018 18:08
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Quant Time: Jun 22 04:58:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 22 04:54:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	237960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	368686	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	381387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	229465	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	328982	111.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	223.20%	
35) Dibromofluoromethane	4.30	113	292699	112.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	224.16%	
50) Toluene-d8	7.71	98	793909	105.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.58%	
62) 4-Bromofluorobenzene	11.51	95	419984	106.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	276284	102.239	ug/l	97
3) Chloromethane	1.08	50	169231	84.004	ug/l	95
4) Vinyl Chloride	1.15	62	179641	96.985	ug/l	95
5) Bromomethane	1.34	94	115718	104.441	ug/l	97
6) Chloroethane	1.43	64	88985	113.068	ug/l	93
7) Trichlorofluoromethane	1.49	101	103858	34.592	ug/l	96
8) Diethyl Ether	1.70	74	82521	113.248	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	181490	97.902	ug/l	89
10) Methyl Iodide	1.96	142	355283	109.082	ug/l	92
11) Tert butyl alcohol	2.69	59	97157	522.856	ug/l	100
12) 1,1-Dichloroethene	1.85	96	170906	110.039	ug/l	98
13) Acrolein	2.09	56	77001	476.295	ug/l	96
14) Allyl chloride	2.19	41	323850	105.931	ug/l	95
15) Acrylonitrile	3.07	53	195136	547.106	ug/l	93
16) Acetone	2.33	43	374770	533.140	ug/l	97
17) Carbon Disulfide	1.87	76	431668	101.069	ug/l	95
18) Methyl Acetate	2.45	43	147204	119.724	ug/l	93
19) Methyl tert-butyl Ether	2.53	73	595775	119.742	ug/l	96
20) Methylene Chloride	2.31	84	84881	51.400	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	183560	106.422	ug/l	95
22) Diisopropyl ether	2.93	45	677585	110.748	ug/l	98
23) Vinyl Acetate	3.33	43	2085332	522.612	ug/l	99
24) 1,1-Dichloroethane	3.00	63	414554	111.222	ug/l	99
25) 2-Butanone	4.51	43	516036	480.325	ug/l	97
26) 2,2-Dichloropropane	3.75	77	288646	107.272	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	271652	102.959	ug/l	96
28) Bromochloromethane	3.89	49	155345	94.187	ug/l	97
29) Tetrahydrofuran	4.25	42	226757	483.747	ug/l	99
30) Chloroform	4.04	83	618018	116.267	ug/l	95
31) Cyclohexane	3.86	56	292354	93.007	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	449207	112.513	ug/l	98
36) 1,1-Dichloropropene	4.45	75	400401	111.675	ug/l	97
37) Ethyl Acetate	4.29	43	232200	103.739	ug/l	95
38) Carbon Tetrachloride	4.17	117	522202	131.286	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	353938	99.682	ug/l	89
40) Benzene	4.81	78	814693	98.876	ug/l	96
41) Methacrylonitrile	4.92	41	115974	105.540	ug/l	97
42) 1,2-Dichloroethane	5.11	62	480763	123.447	ug/l	99
43) Isopropyl Acetate	7.10	43	317671	105.635	ug/l	99
44) Trichloroethene	5.68	130	283241	107.128	ug/l	92
45) 1,2-Dichloropropane	6.40	63	241223	101.145	ug/l	100
46) Dibromomethane	6.25	93	208078	114.432	ug/l	93
47) Bromodichloromethane	6.54	83	501291	119.443	ug/l	97
48) Methyl methacrylate	6.87	41	215057	116.767	ug/l	94
49) 1,4-Dioxane	6.87	88	22329	1830.360	ug/l	89
51) 4-Methyl-2-Pentanone	8.41	43	1058184	512.511	ug/l	100
52) Toluene	7.78	92	618123	103.227	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	456263	111.413	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	498756	108.455	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	248429	112.630	ug/l	96
56) Ethyl methacrylate	8.76	69	296000	106.497	ug/l	95
57) 1,3-Dichloropropane	9.00	76	408653	109.125	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	113612	566.331	ug/l	100
59) 2-Hexanone	9.63	43	802988	491.416	ug/l	96
60) Dibromochloromethane	8.86	129	386860	120.728	ug/l	93
61) 1,2-Dibromoethane	9.14	107	290028	112.955	ug/l	96
64) Tetrachloroethene	8.31	164	289307	102.690	ug/l	97
65) Chlorobenzene	9.94	112	815415	106.597	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	336809	110.077	ug/l	95
67) Ethyl Benzene	10.04	91	1327579	100.761	ug/l	98
68) m/p-Xylenes	10.27	106	943359	188.611	ug/l	94
69) o-Xylene	10.83	106	526228	97.809	ug/l	98
70) Styrene	10.90	104	788590	97.439	ug/l	98
71) Bromoform	10.89	173	240958	114.400	ug/l #	97
73) Isopropylbenzene	11.23	105	1651986	104.069	ug/l	96
74) N-amyl acetate	11.46	43	535332	95.108	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	359192	95.428	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	262188	94.104	ug/l	100
77) Bromobenzene	11.60	156	411203	101.595	ug/l	96
78) n-propylbenzene	11.69	91	1747442	92.949	ug/l	98
79) 2-Chlorotoluene	11.82	91	1079513	96.833	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	1261072	95.467	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	171684	94.623	ug/l	95
82) 4-Chlorotoluene	11.99	91	1124666	94.649	ug/l	99
83) tert-Butylbenzene	12.21	119	1276675	96.874	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	1338204	98.362	ug/l	96
85) sec-Butylbenzene	12.39	105	1728543	97.369	ug/l	96
86) p-Isopropyltoluene	12.54	119	1431776	97.925	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	703827	94.493	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	726677	101.132	ug/l	97
89) n-Butylbenzene	12.92	91	1382103	90.920	ug/l	96
90) Hexachloroethane	13.00	117	364608	101.487	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	694414	96.880	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	83474	111.239	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062118\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	532780	104.418	ug/l	99
94) Hexachlorobutadiene	14.26	225	326186	110.793	ug/l	99
95) Naphthalene	14.53	128	1160479	106.397	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	523816	110.978	ug/l	98

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

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Misc : 5.00g/5mL/MSV0A-F/SOIL

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ALS Vial      : 8      Sample Multiplier: 1
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Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

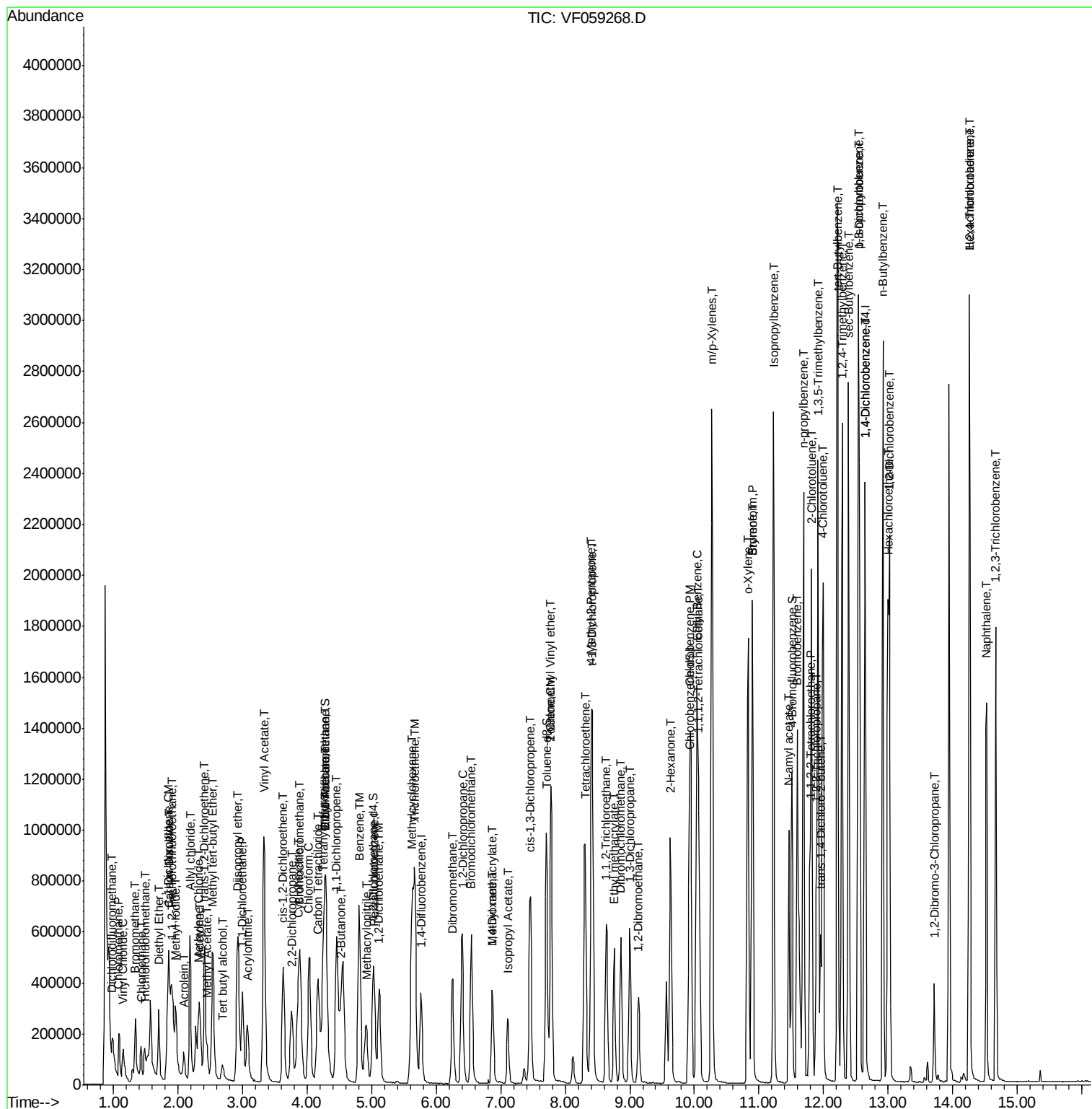
Quant Time: Jun 22 04:58:05 2018

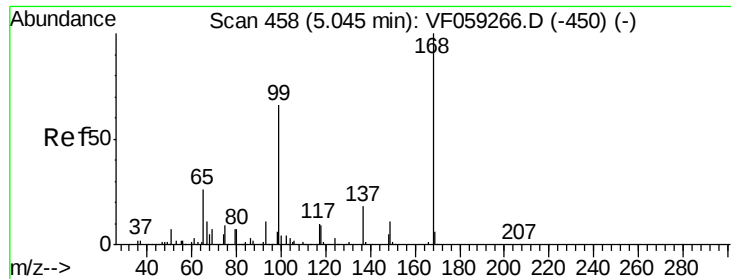
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Quant Title : SW846 8260

QLast Update : Fri Jun 22 04:54:07 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

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Instrument :

MSVOA_F

ClientSampleId :

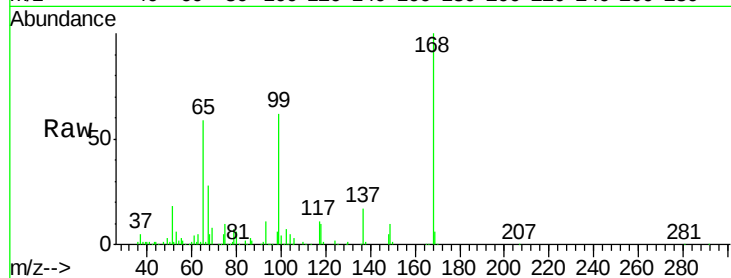
VSTDIC100

Tgt Ion:168 Resp: 237960

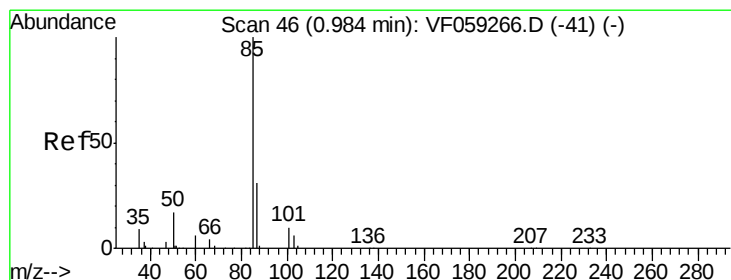
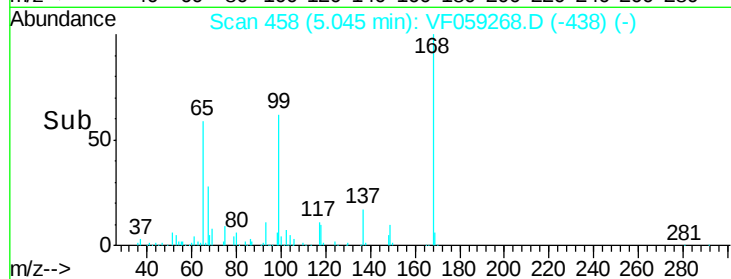
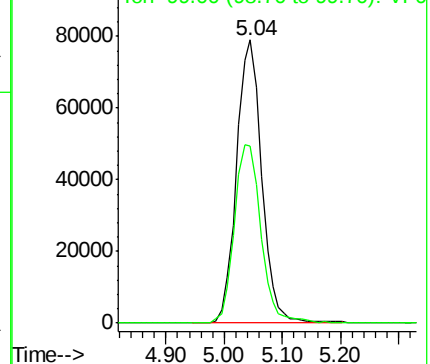
Ion Ratio Lower Upper

168 100

99 62.4 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 102.239 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059268.D

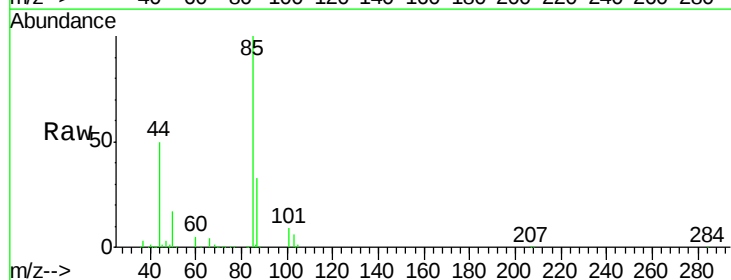
Acq: 21 Jun 2018 18:08

Tgt Ion: 85 Resp: 276284

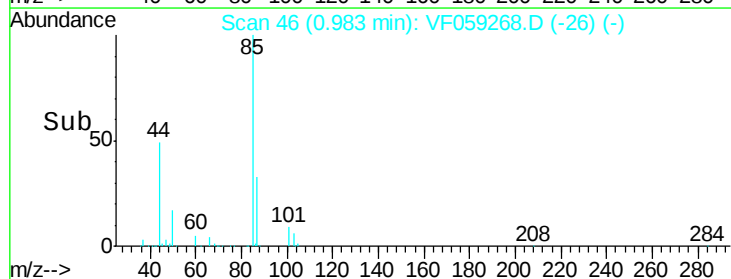
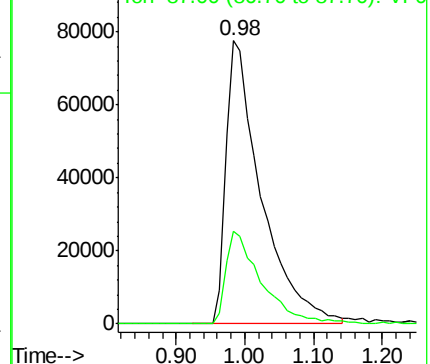
Ion Ratio Lower Upper

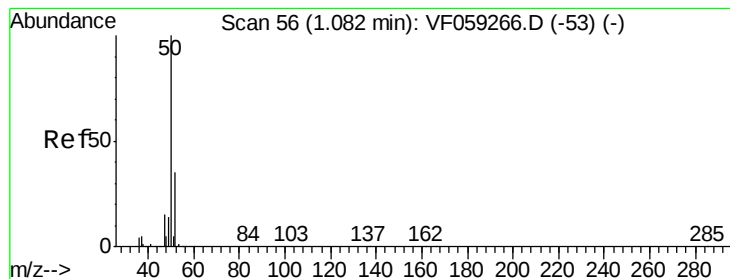
85 100

87 32.7 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 84.004 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

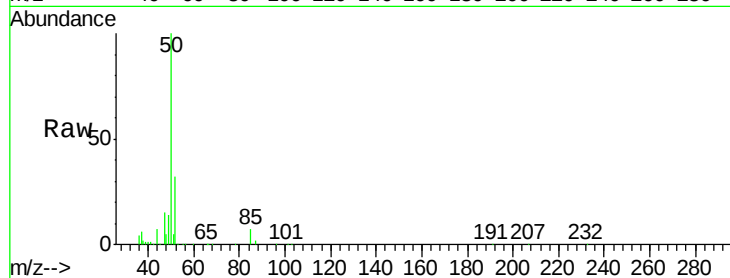
VSTDIC100

Tgt Ion: 50 Resp: 169231

Ion Ratio Lower Upper

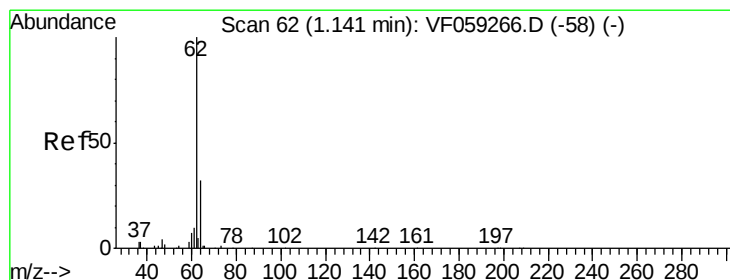
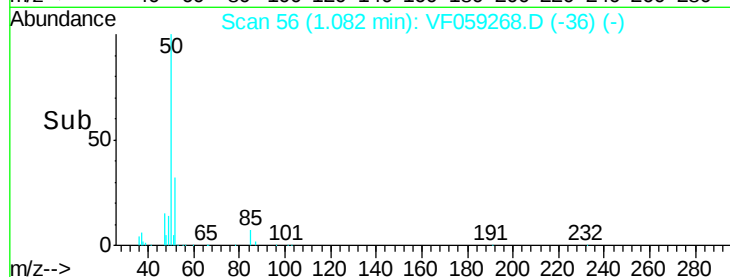
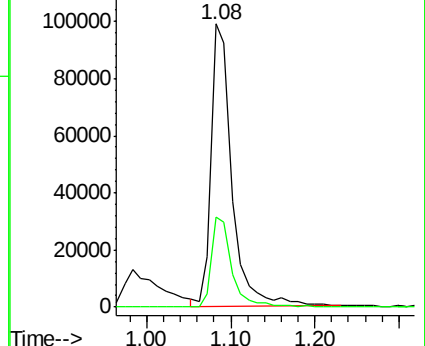
50 100

52 31.8 27.7 41.5



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 96.985 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF059268.D

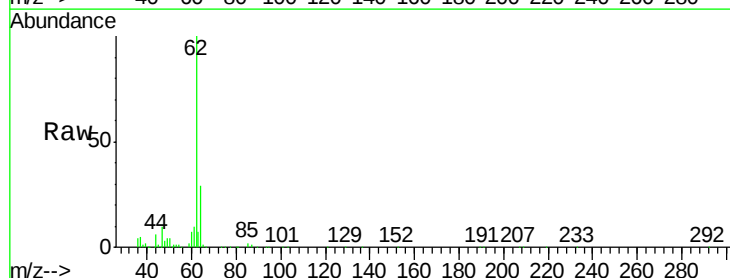
Acq: 21 Jun 2018 18:08

Tgt Ion: 62 Resp: 179641

Ion Ratio Lower Upper

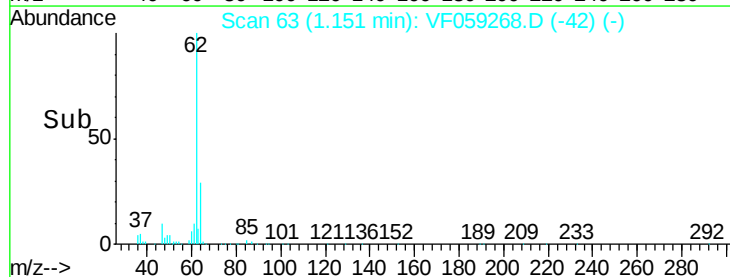
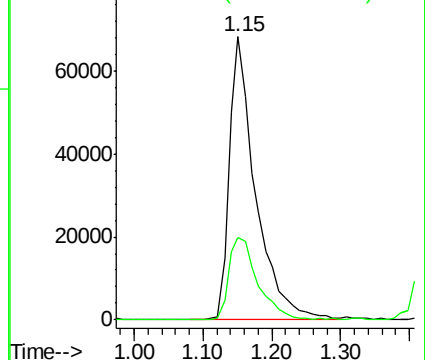
62 100

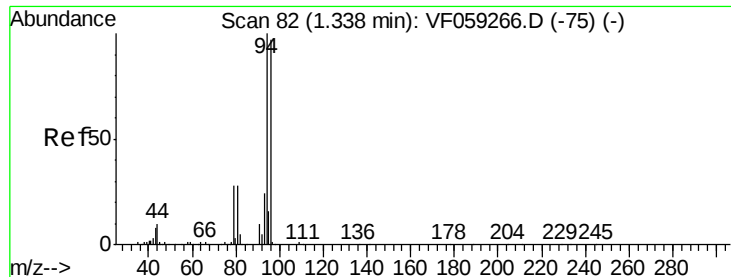
64 29.3 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 104.441 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

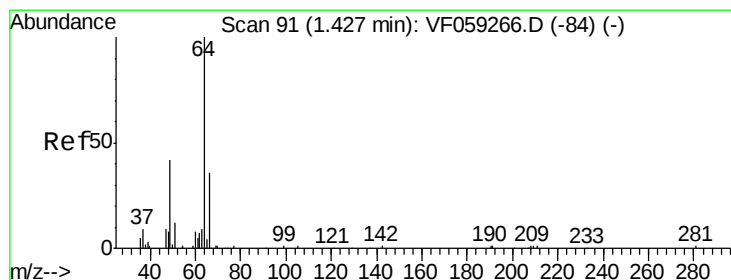
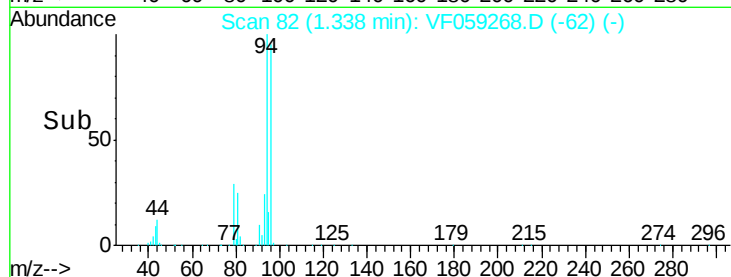
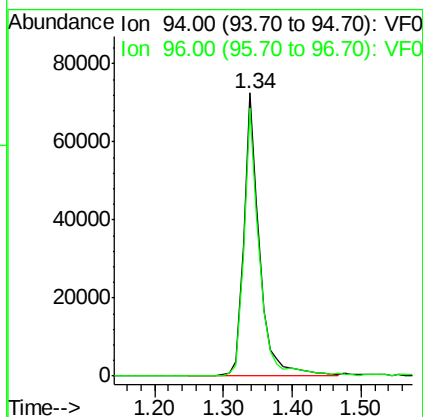
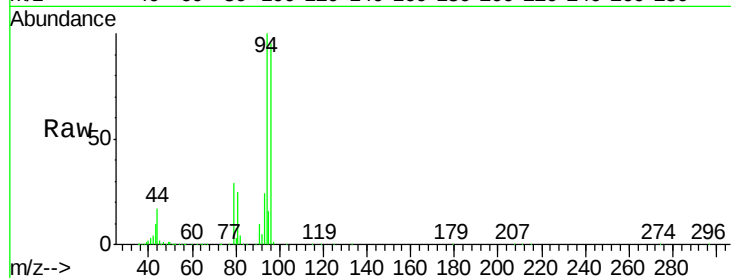
VSTDIC100

Tgt Ion: 94 Resp: 115718

Ion Ratio Lower Upper

94 100

96 94.5 77.7 116.5



#6

Chloroethane

Concen: 113.068 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059268.D

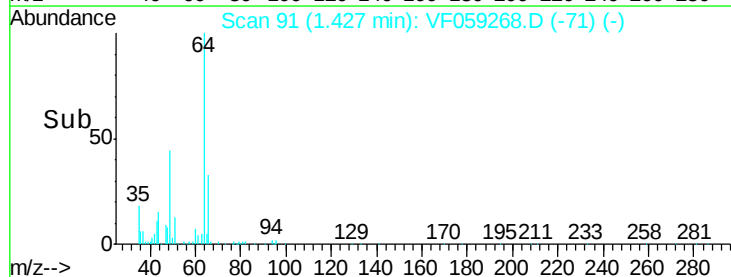
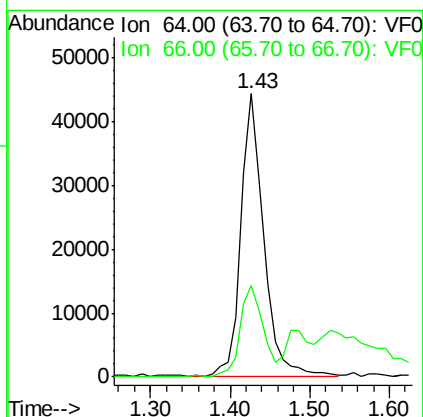
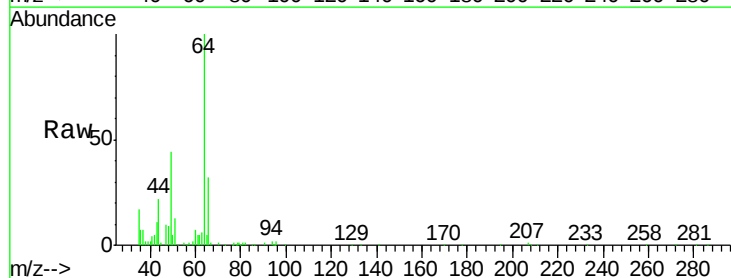
Acq: 21 Jun 2018 18:08

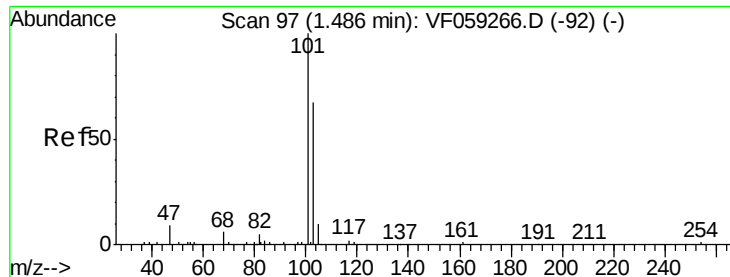
Tgt Ion: 64 Resp: 88985

Ion Ratio Lower Upper

64 100

66 32.4 29.4 44.2





#7

Trichlorofluoromethane

Concen: 34.592 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.00 min

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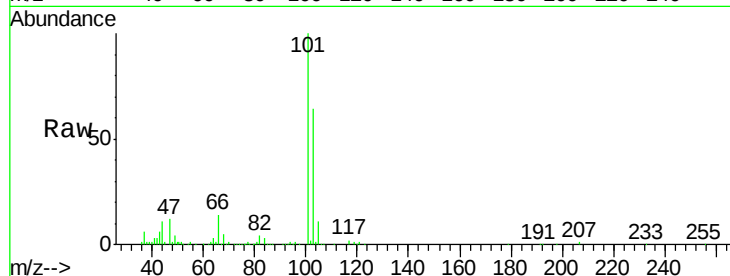
VSTDIC100

Tgt Ion:101 Resp: 103858

Ion Ratio Lower Upper

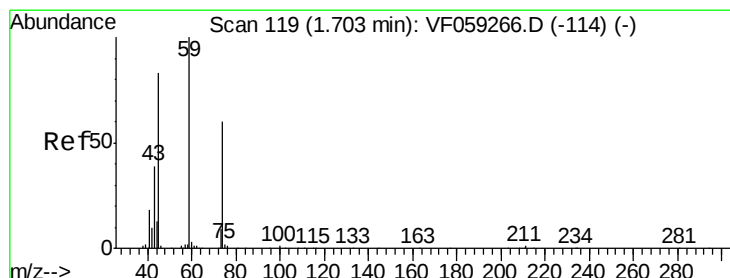
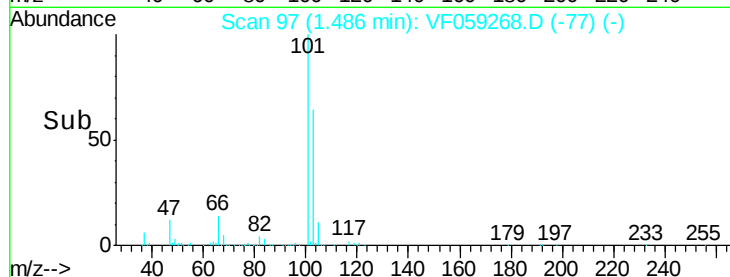
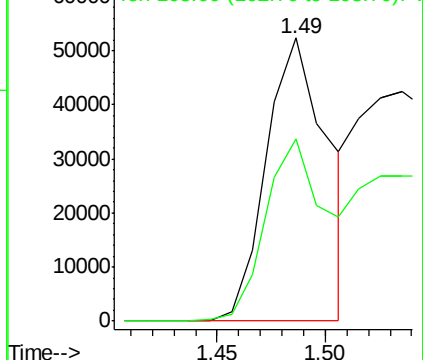
101 100

103 64.2 53.8 80.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 113.248 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF059268.D

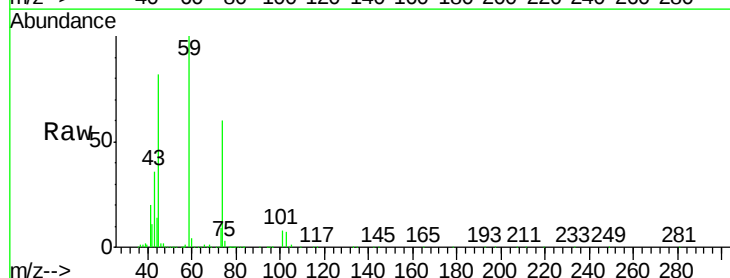
Acq: 21 Jun 2018 18:08

Tgt Ion: 74 Resp: 82521

Ion Ratio Lower Upper

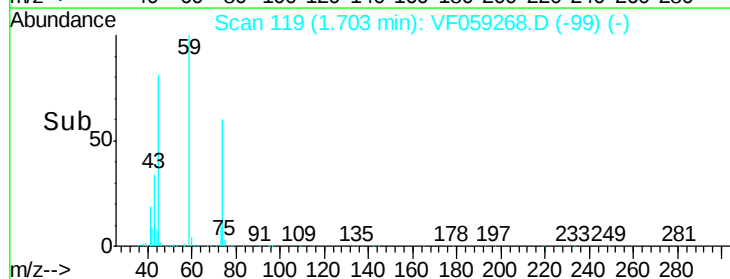
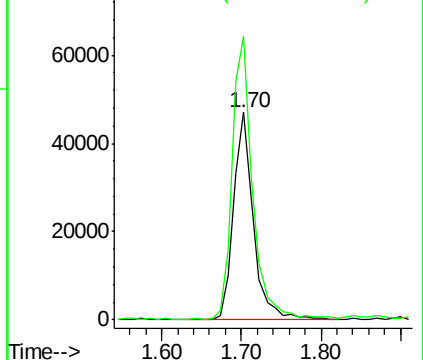
74 100

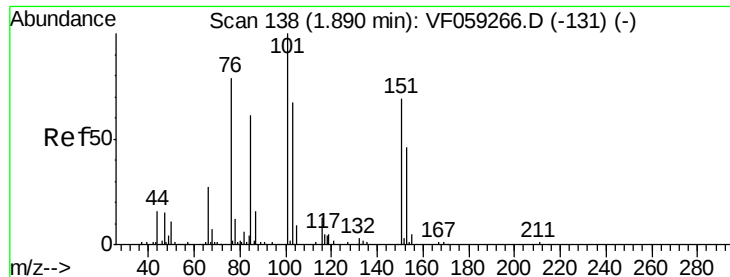
45 136.2 69.2 207.4



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: 97.902 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

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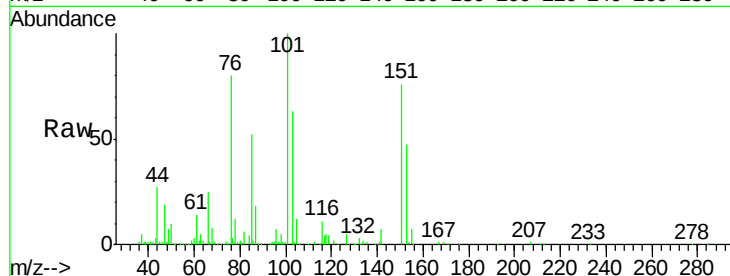
Tgt Ion:101 Resp: 181490

Ion Ratio Lower Upper

101 100

85 51.6 47.2 70.8

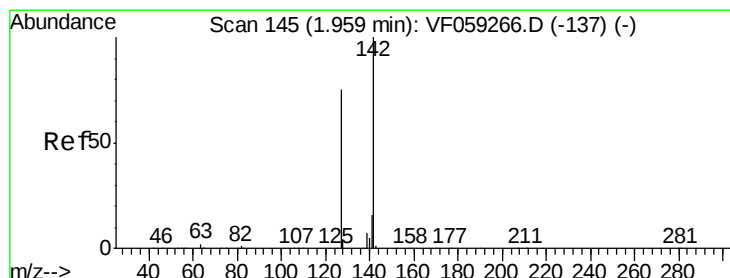
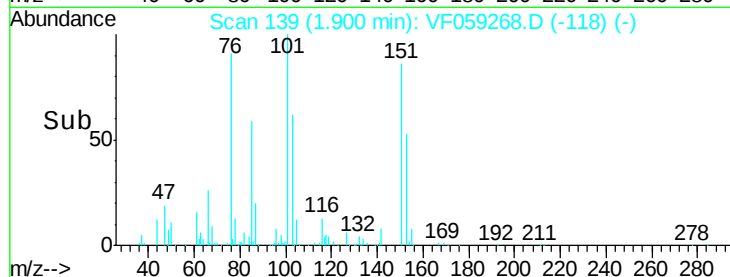
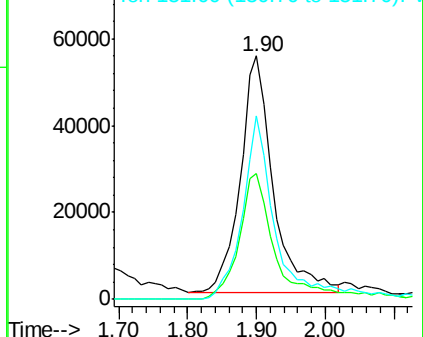
151 75.6 53.3 79.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 109.082 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

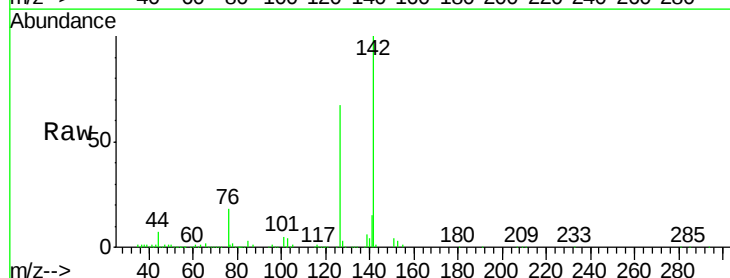
Tgt Ion:142 Resp: 355283

Ion Ratio Lower Upper

142 100

127 67.0 59.9 89.9

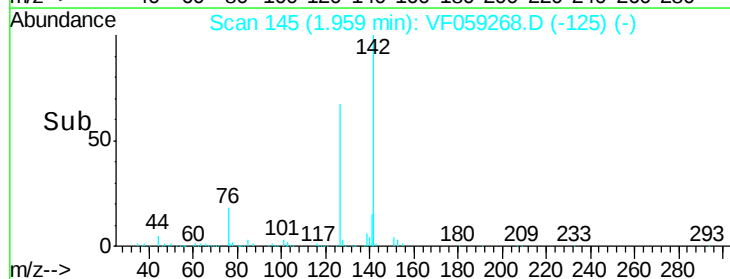
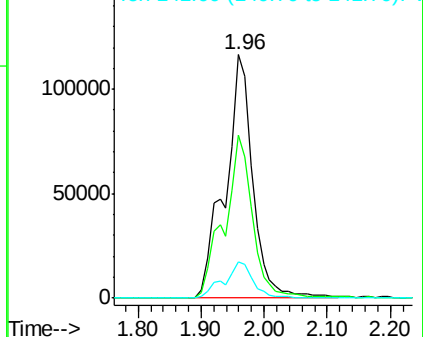
141 14.7 12.7 19.1

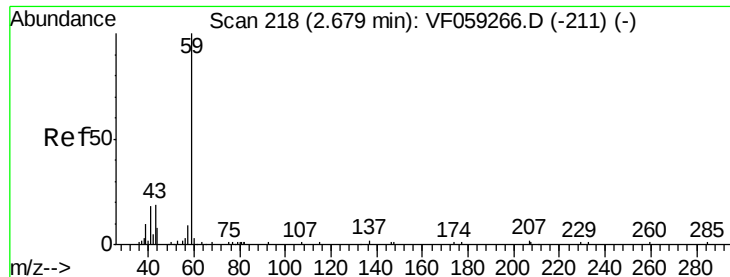


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



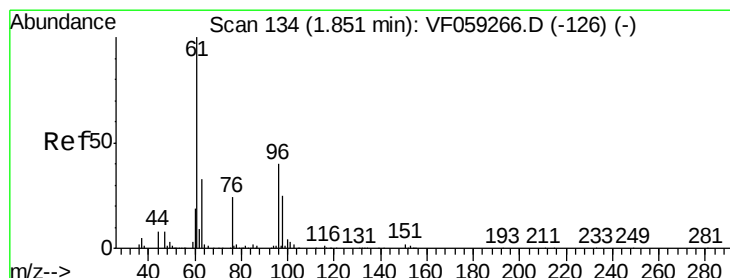
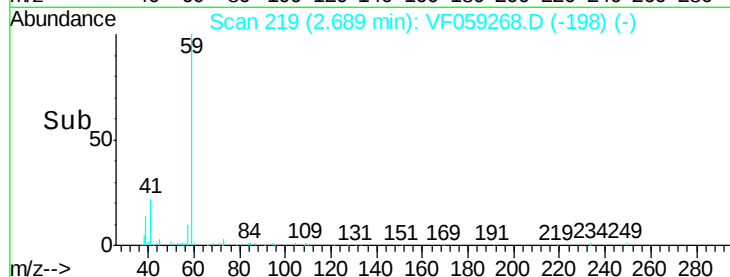
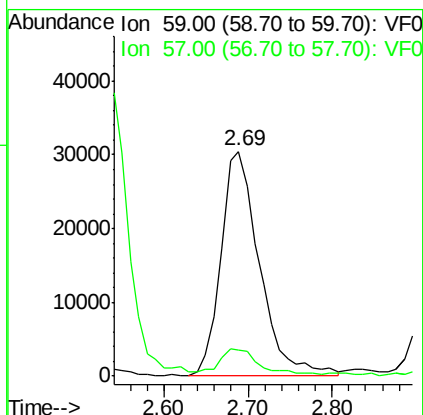
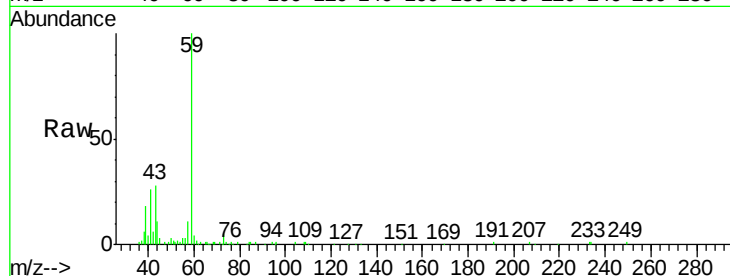


#11

Tert butyl alcohol
 Concen: 522.856 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

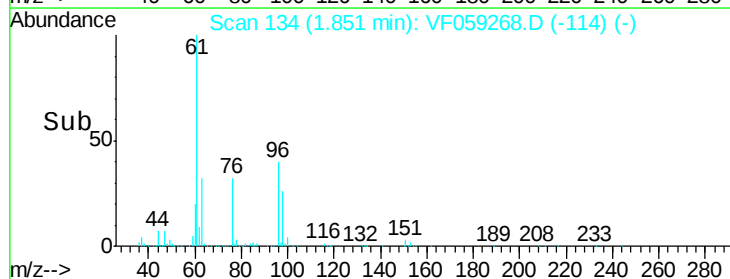
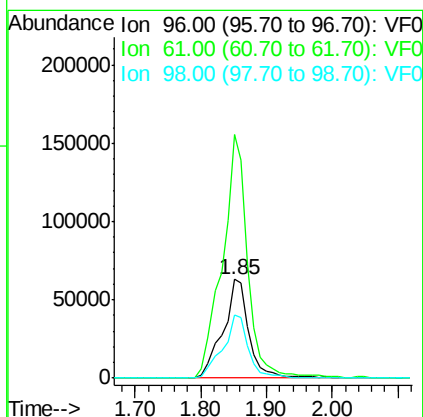
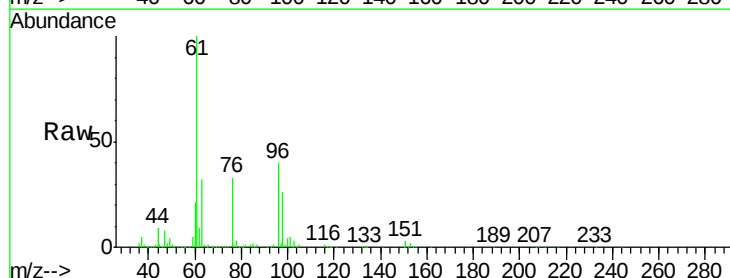
Tgt Ion: 59 Resp: 97157
 Ion Ratio Lower Upper
 59 100
 57 11.4 9.2 13.8

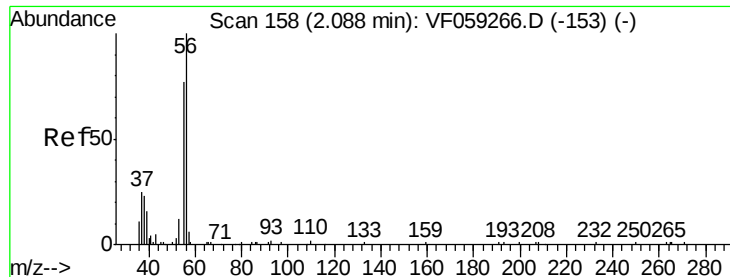


#12

1,1-Dichloroethene
 Concen: 110.039 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Tgt Ion: 96 Resp: 170906
 Ion Ratio Lower Upper
 96 100
 61 247.5 201.4 302.2
 98 64.4 50.0 75.0





#13

Acrolein

Concen: 476.295 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

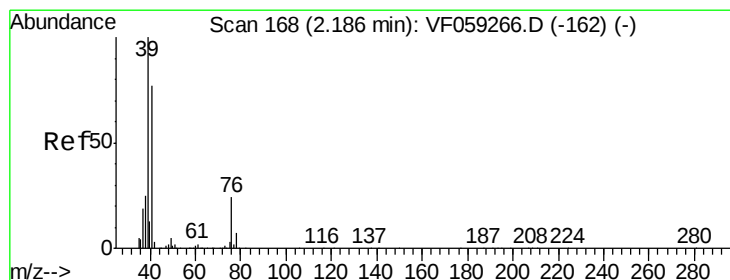
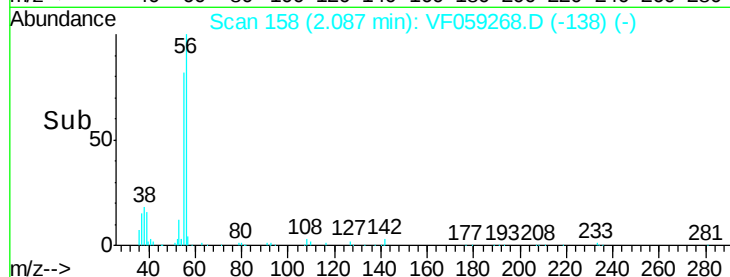
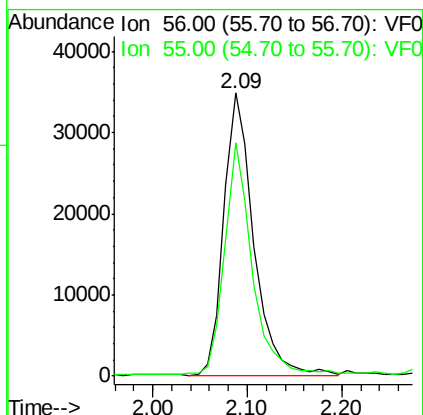
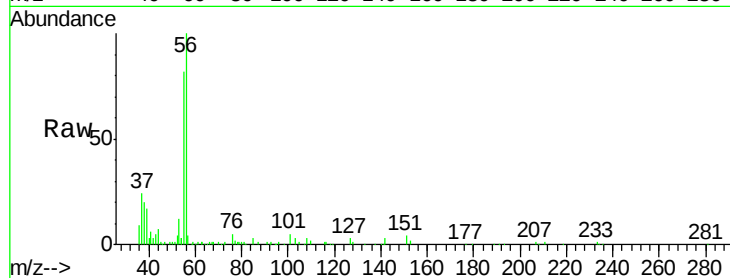
VSTDIC100

Tgt Ion: 56 Resp: 77001

Ion Ratio Lower Upper

56 100

55 82.5 63.0 94.6



#14

Allyl chloride

Concen: 105.931 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

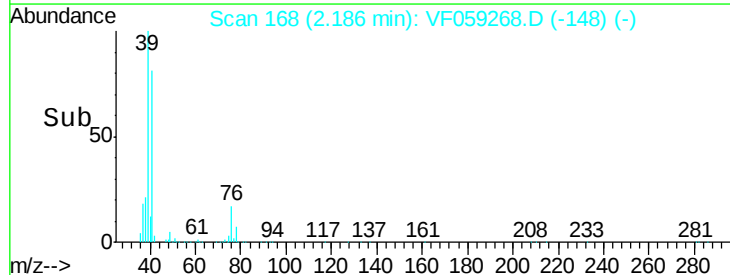
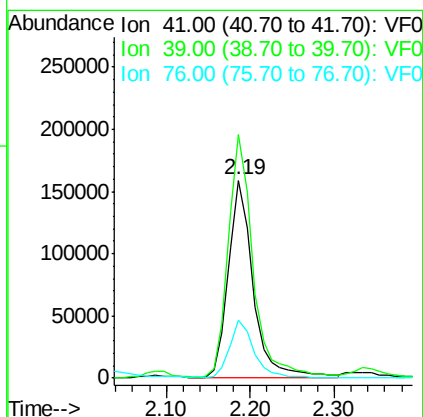
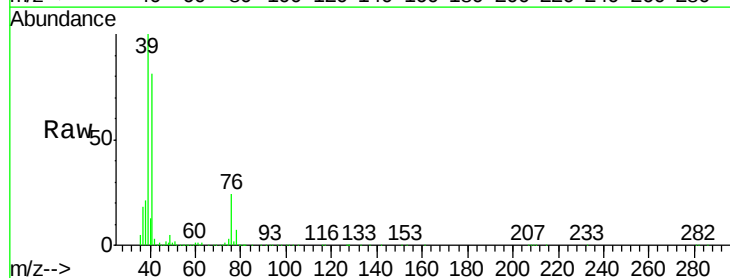
Tgt Ion: 41 Resp: 323850

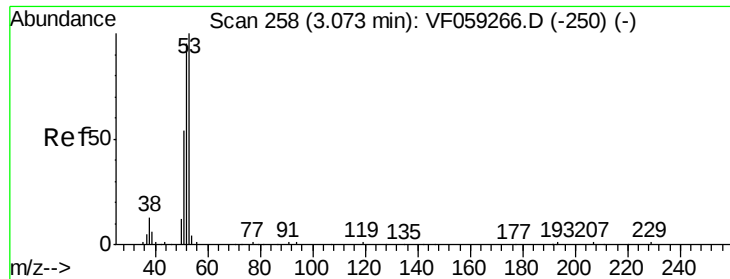
Ion Ratio Lower Upper

41 100

39 123.2 103.8 155.6

76 29.4 25.0 37.6





#15

Acrylonitrile

Concen: 547.106 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

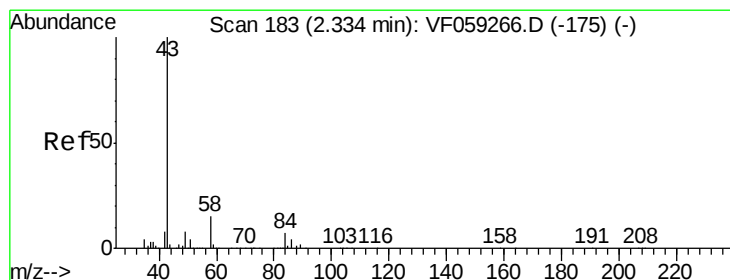
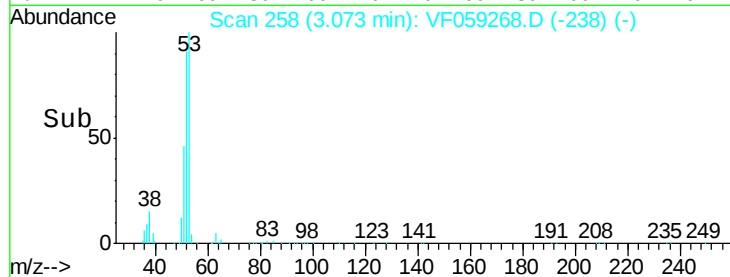
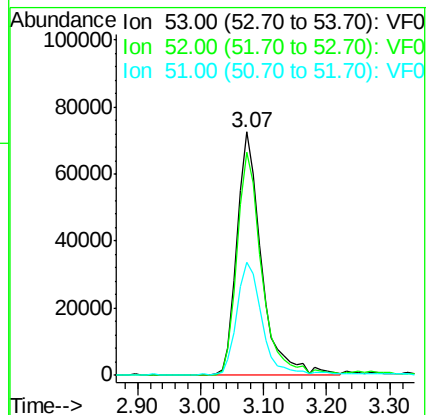
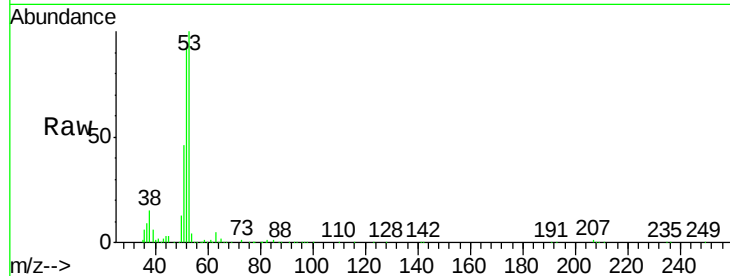
Tgt Ion: 53 Resp: 195136

Ion Ratio Lower Upper

53 100

52 91.8 75.7 113.5

51 46.2 44.5 66.7



#16

Acetone

Concen: 533.140 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059268.D

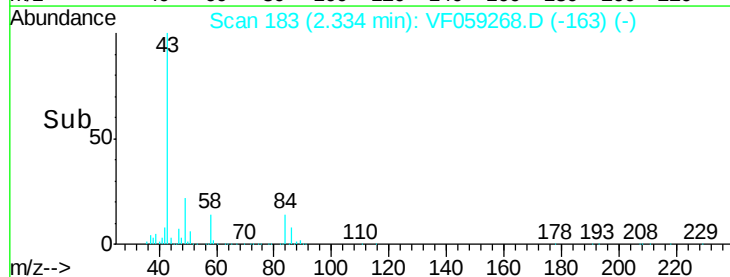
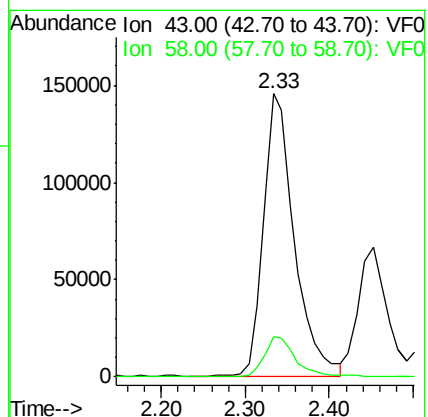
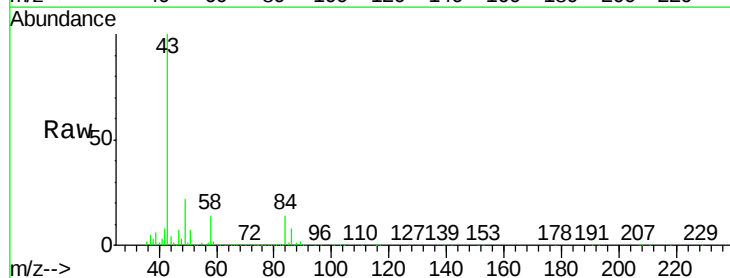
Acq: 21 Jun 2018 18:08

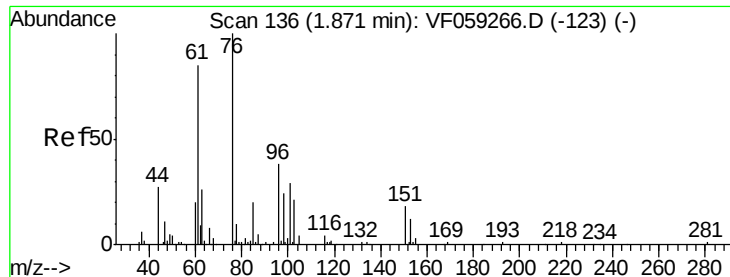
Tgt Ion: 43 Resp: 374770

Ion Ratio Lower Upper

43 100

58 14.1 12.1 18.1

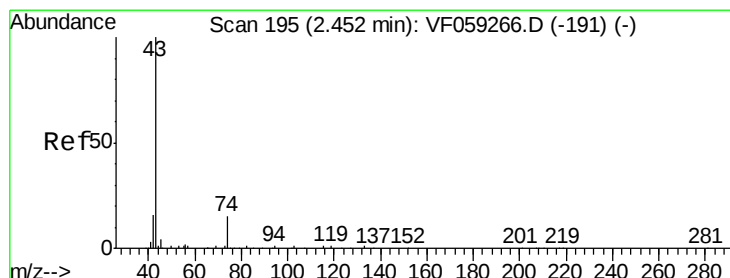
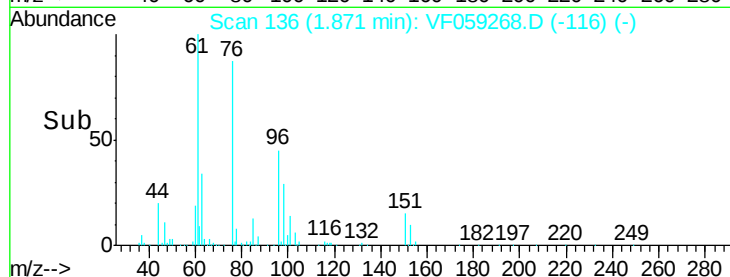
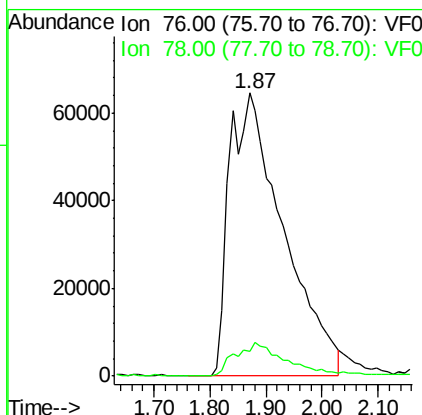
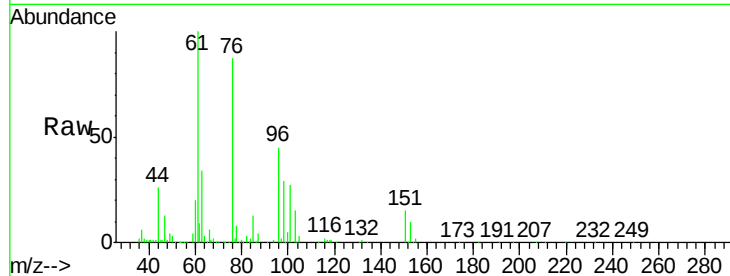




#17
Carbon Disulfide
Concen: 101.069 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

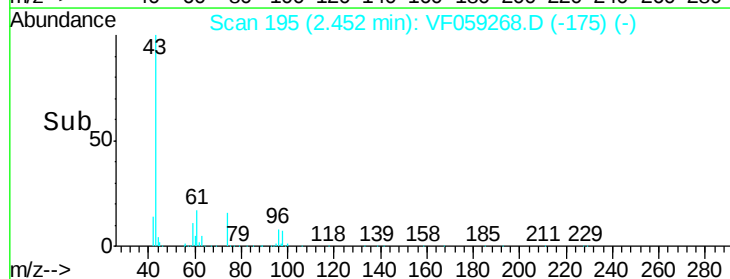
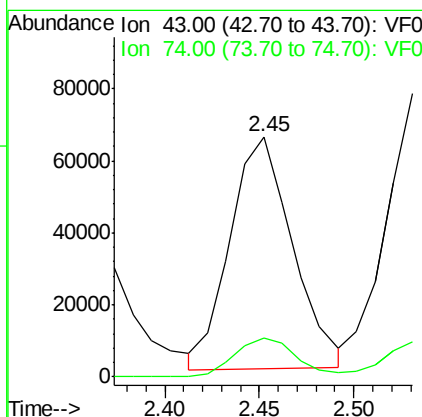
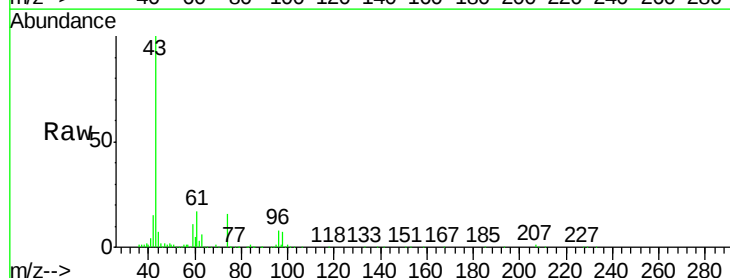
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

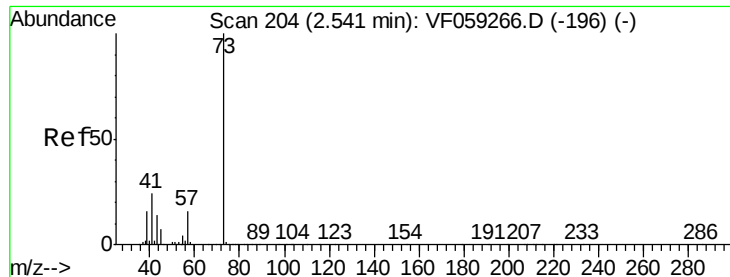
Tgt Ion: 76 Resp: 431668
Ion Ratio Lower Upper
76 100
78 8.9 8.6 12.8



#18
Methyl Acetate
Concen: 119.724 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion: 43 Resp: 147204
Ion Ratio Lower Upper
43 100
74 16.4 11.0 16.4



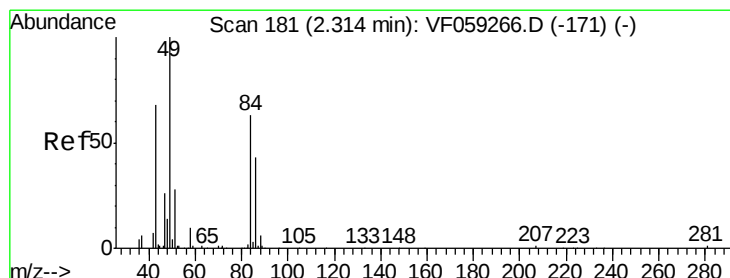
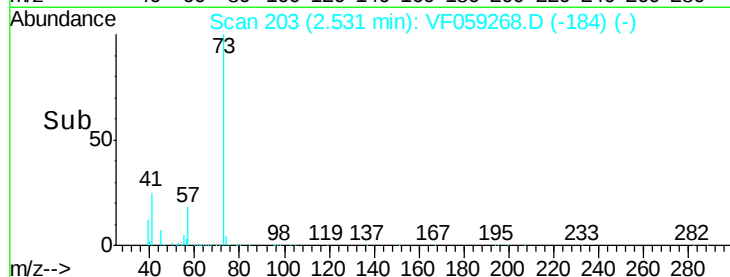
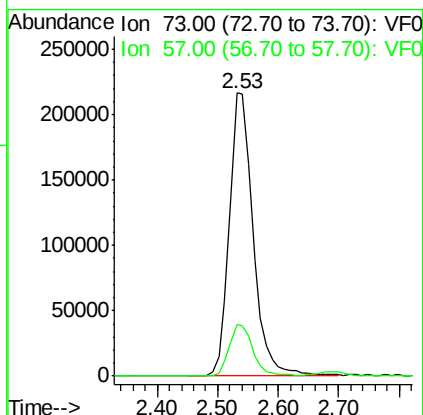
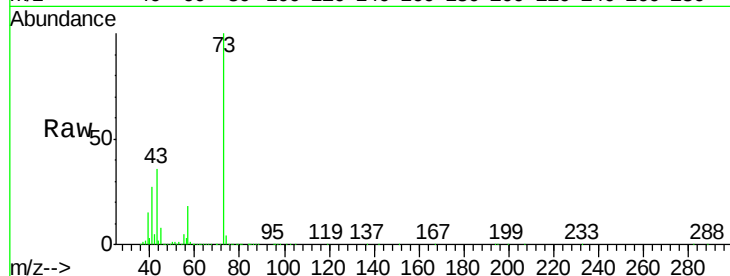


#19

Methyl tert-butyl Ether
Concen: 119.742 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

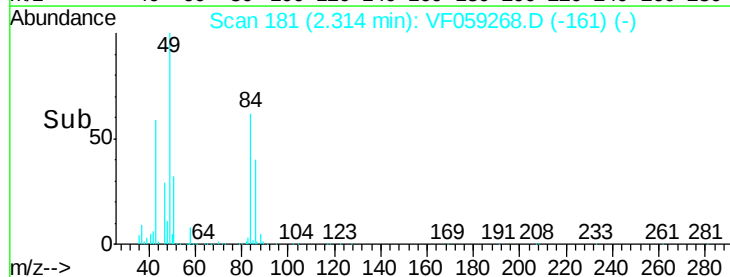
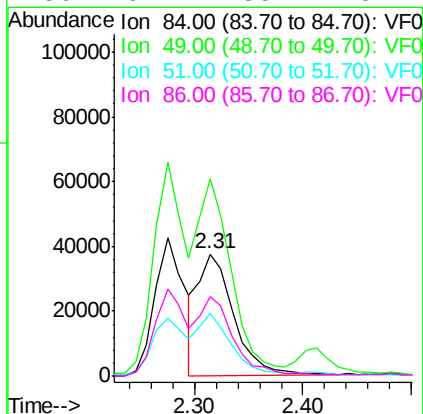
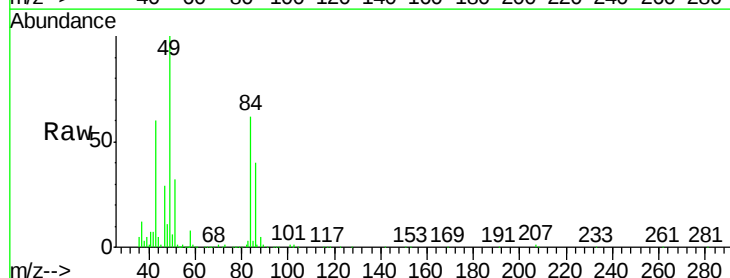
Tgt Ion: 73 Resp: 595775
Ion Ratio Lower Upper
73 100
57 18.1 13.0 19.4

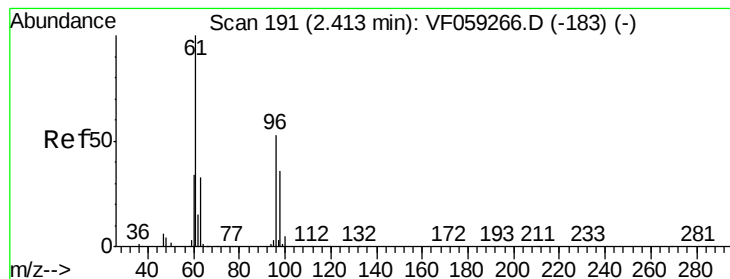


#20

Methylene Chloride
Concen: 51.400 ug/l
RT: 2.31 min Scan# 181
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion: 84 Resp: 84881
Ion Ratio Lower Upper
84 100
49 162.2 130.0 195.0
51 51.8 36.6 55.0
86 64.7 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 106.422 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

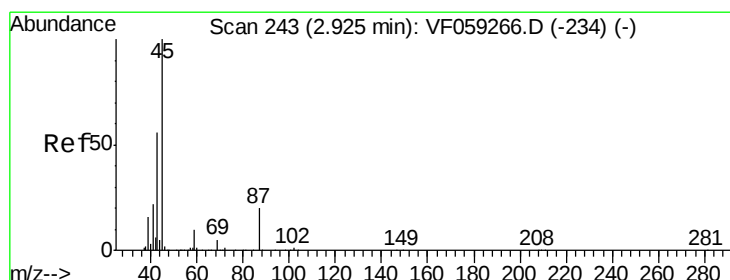
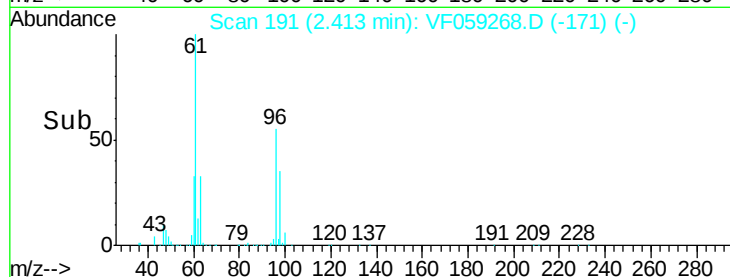
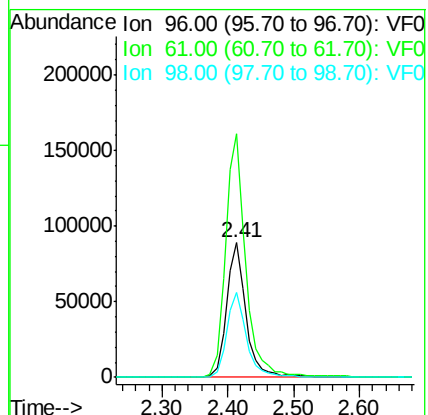
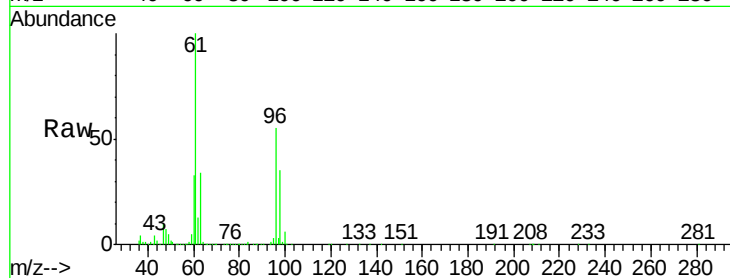
Tgt Ion: 96 Resp: 183560

Ion Ratio Lower Upper

96 100

61 181.3 151.2 226.8

98 63.6 54.2 81.2



#22

Diisopropyl ether

Concen: 110.748 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Tgt Ion: 45 Resp: 677585

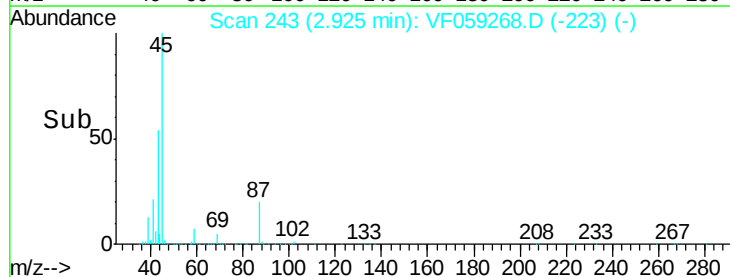
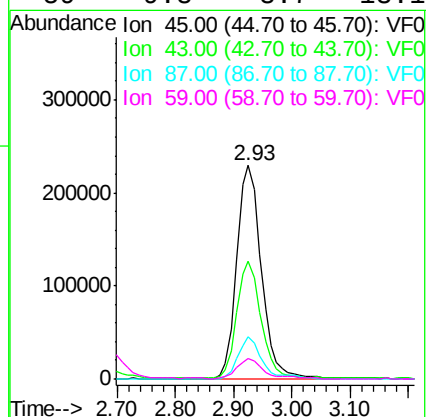
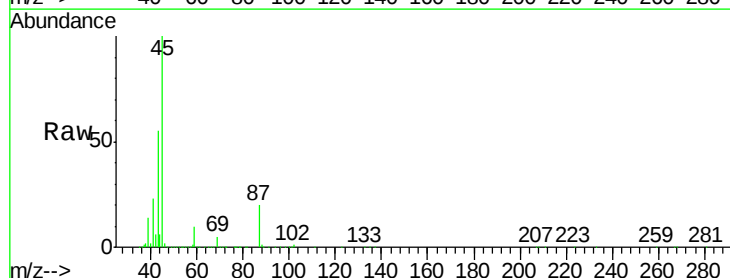
Ion Ratio Lower Upper

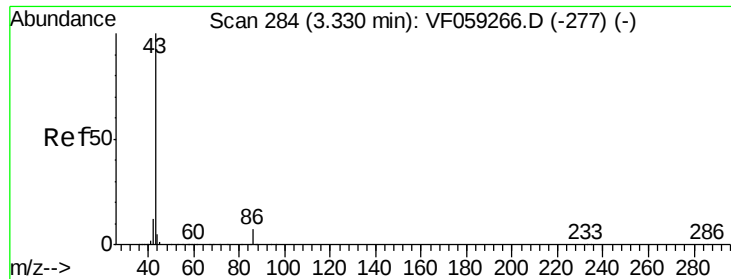
45 100

43 55.3 45.8 68.6

87 19.7 15.7 23.5

59 9.8 8.7 13.1





#23

Vinyl Acetate

Concen: 522.612 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

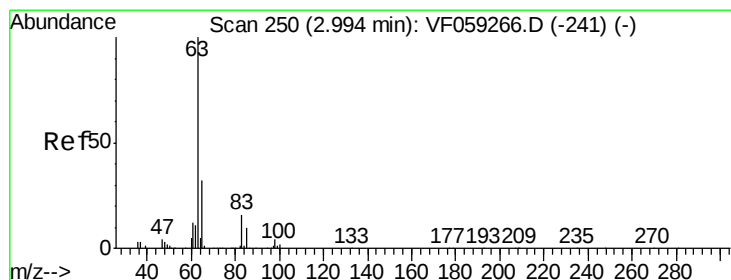
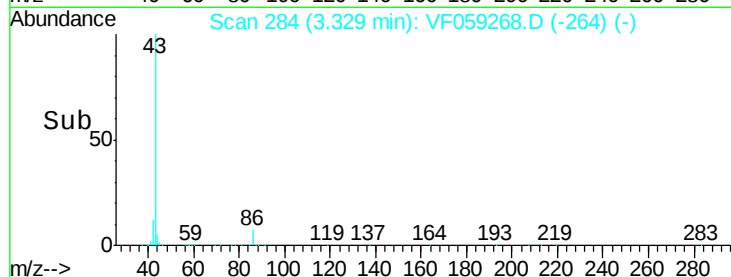
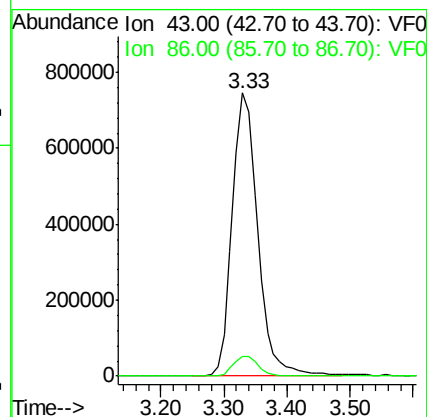
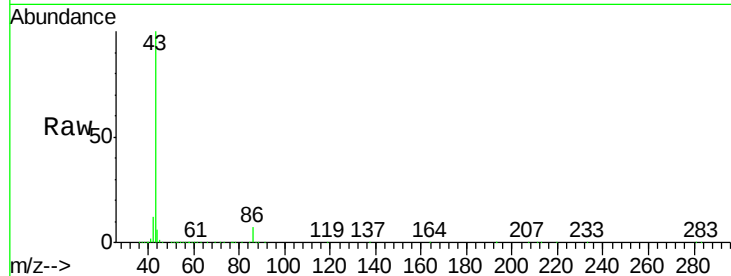
VSTDIC100

Tgt Ion: 43 Resp: 2085332

Ion Ratio Lower Upper

43 100

86 7.1 5.4 8.2



#24

1,1-Dichloroethane

Concen: 111.222 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

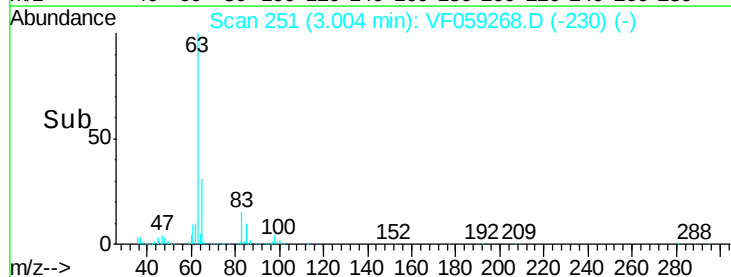
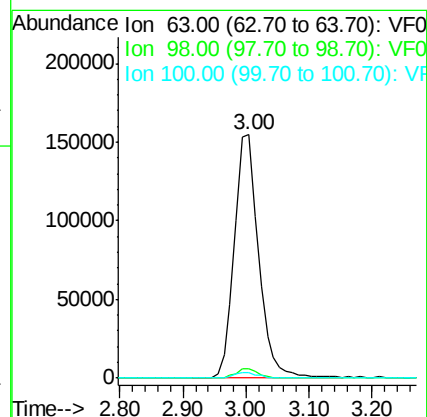
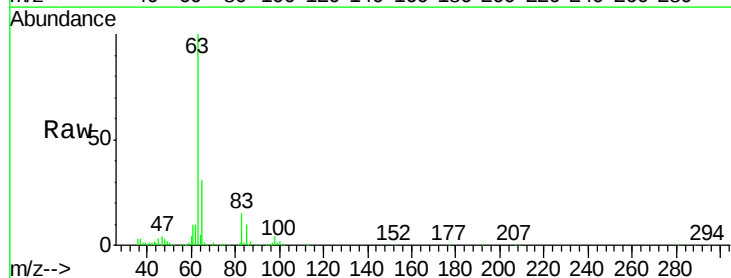
Tgt Ion: 63 Resp: 414554

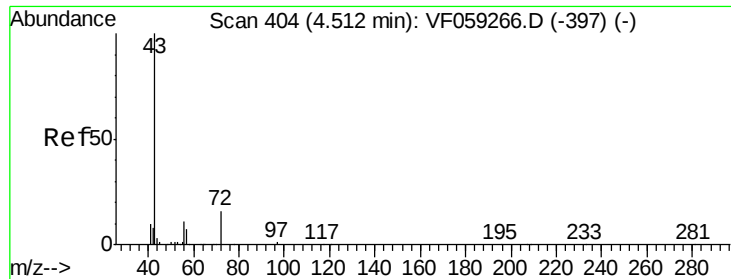
Ion Ratio Lower Upper

63 100

98 3.8 2.0 5.8

100 2.4 1.1 3.1





#25

2-Butanone

Concen: 480.325 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

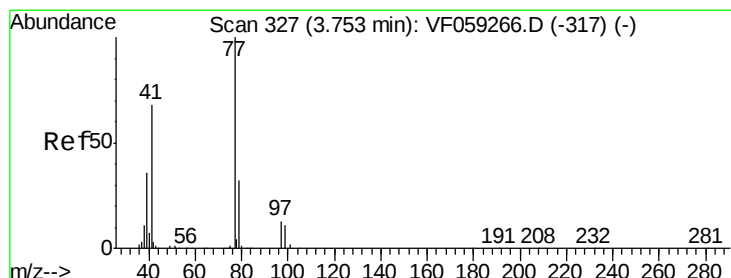
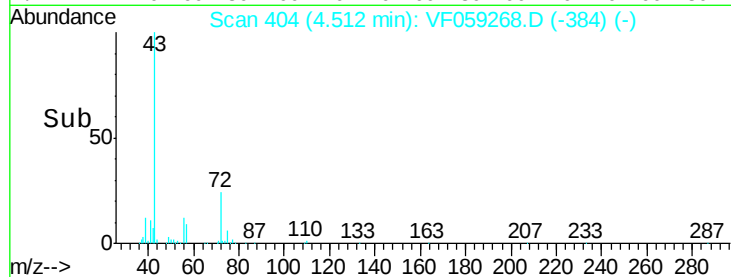
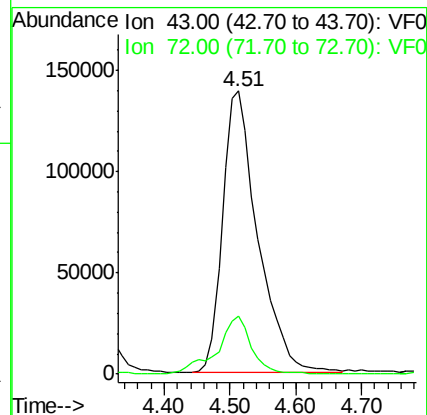
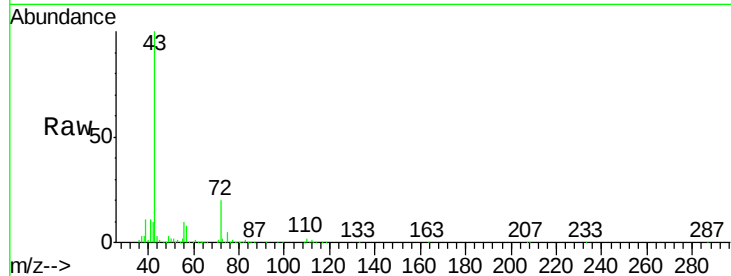
VSTDIC100

Tgt Ion: 43 Resp: 516036

Ion Ratio Lower Upper

43 100

72 20.4 15.2 22.8



#26

2,2-Dichloropropane

Concen: 107.272 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF059268.D

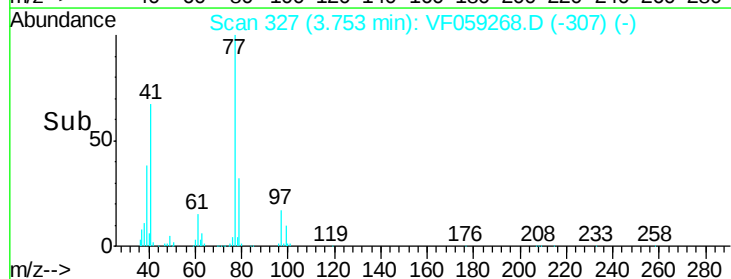
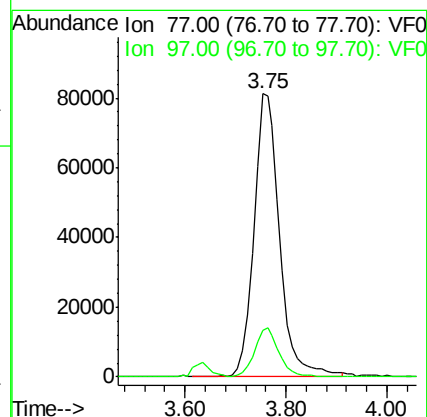
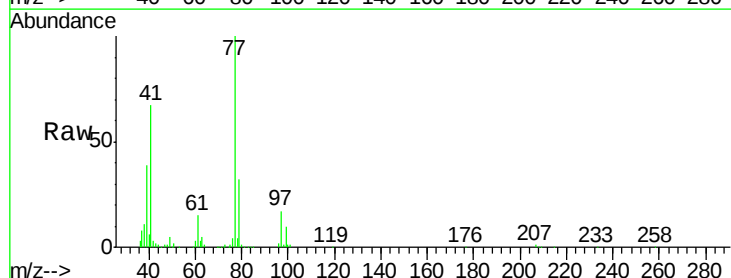
Acq: 21 Jun 2018 18:08

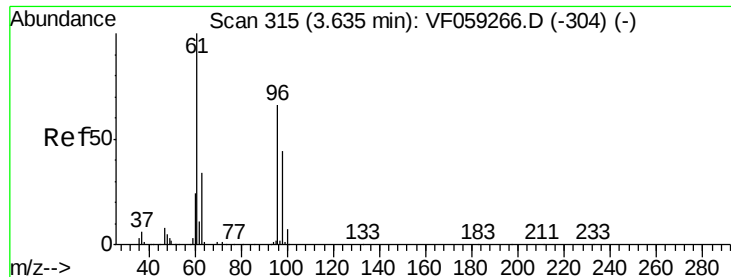
Tgt Ion: 77 Resp: 288646

Ion Ratio Lower Upper

77 100

97 16.7 7.6 22.8



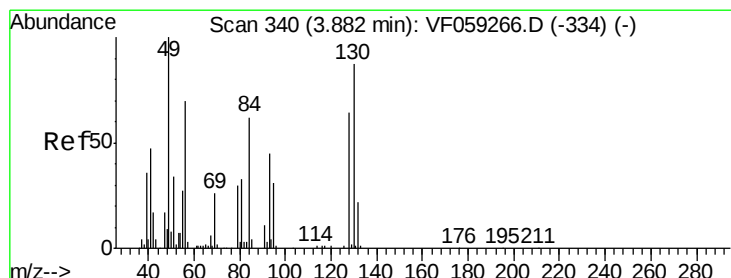
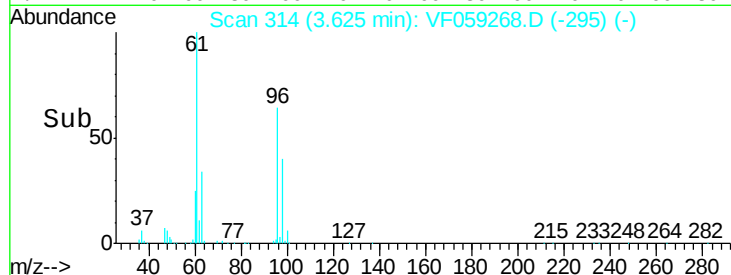
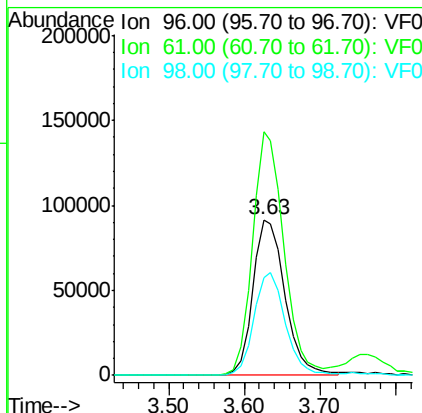
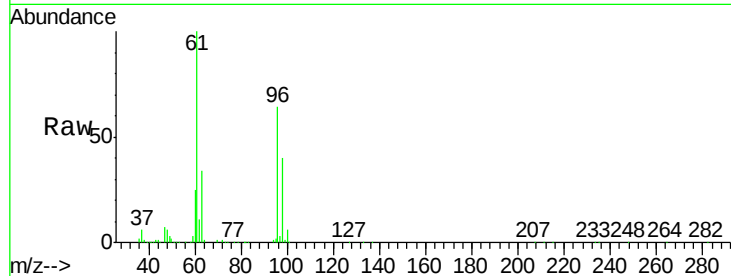


#27

cis-1,2-Dichloroethene
 Concen: 102.959 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

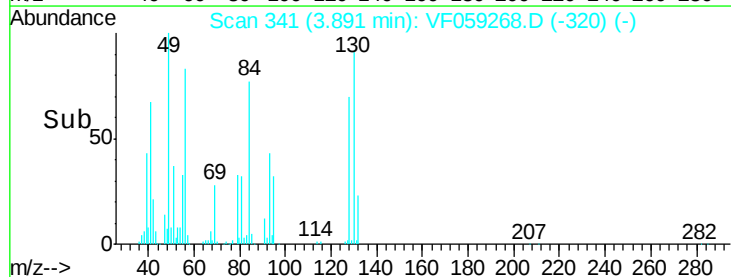
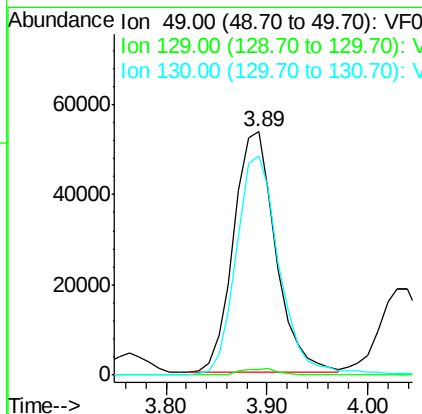
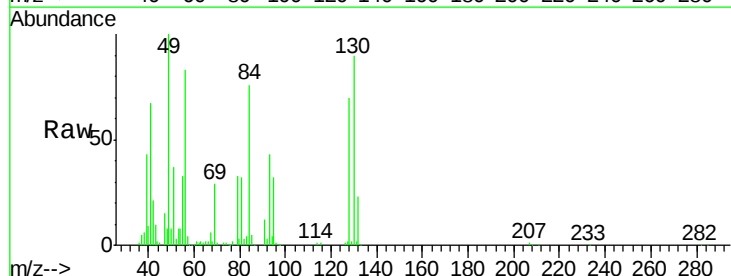
Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.2	0.0	305.0
98	62.9	0.0	134.0

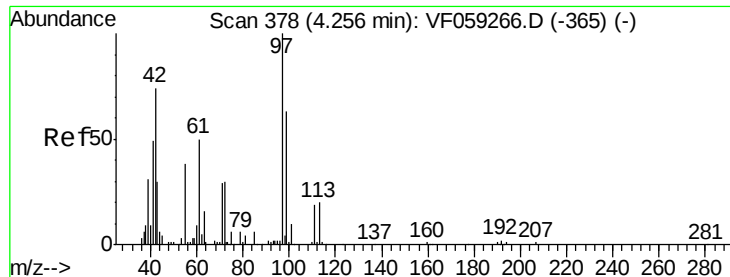


#28

Bromochloromethane
 Concen: 94.187 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	90.1	69.4	104.2





#29

Tetrahydrofuran

Concen: 483.747 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

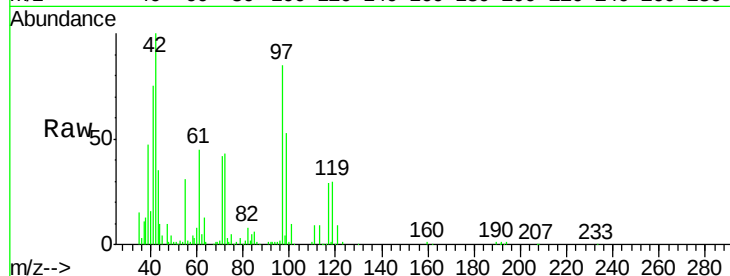
Tgt Ion: 42 Resp: 226757

Ion Ratio Lower Upper

42 100

72 39.3 31.2 46.8

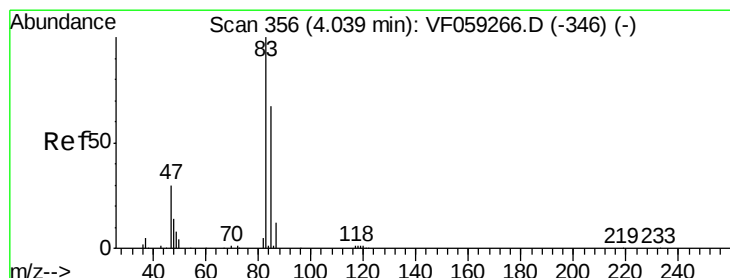
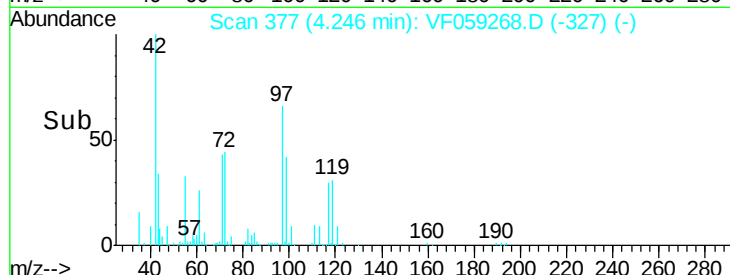
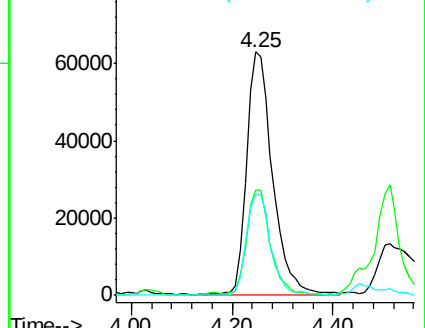
71 39.1 30.2 45.2



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: 116.267 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.00 min

Lab File: VF059268.D

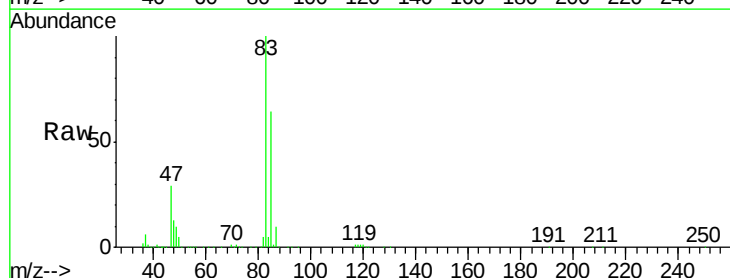
Acq: 21 Jun 2018 18:08

Tgt Ion: 83 Resp: 618018

Ion Ratio Lower Upper

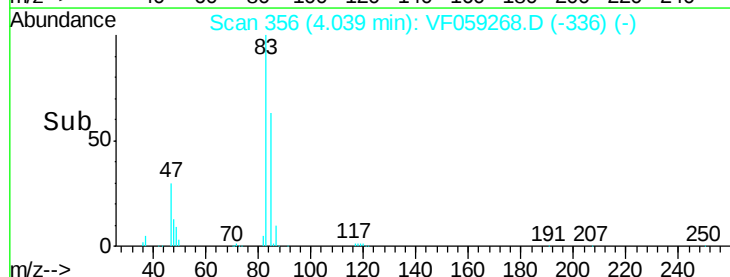
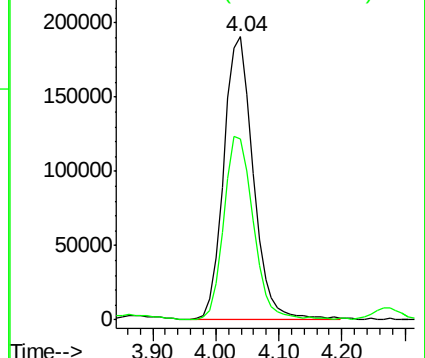
83 100

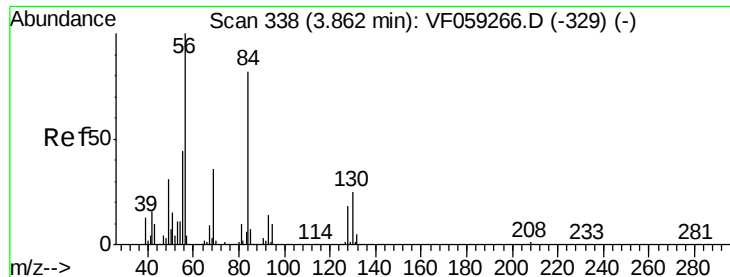
85 63.7 54.2 81.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

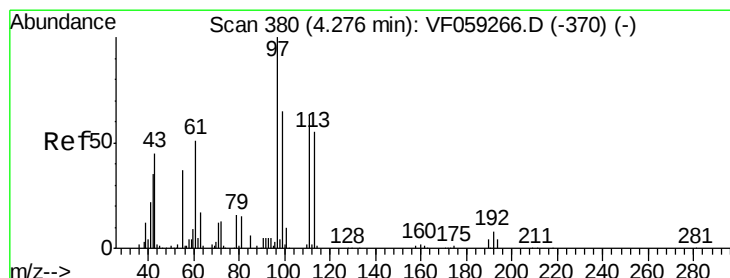
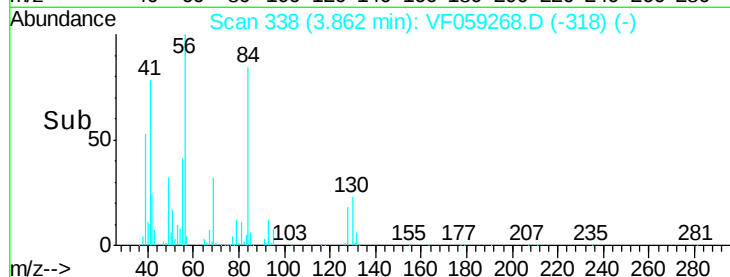
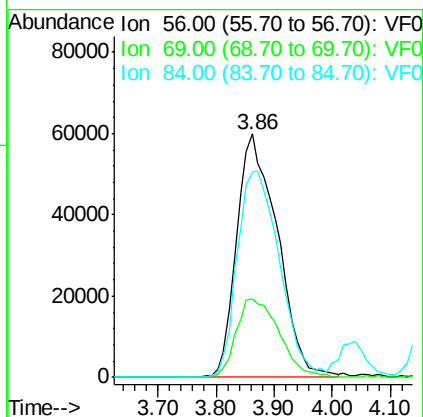
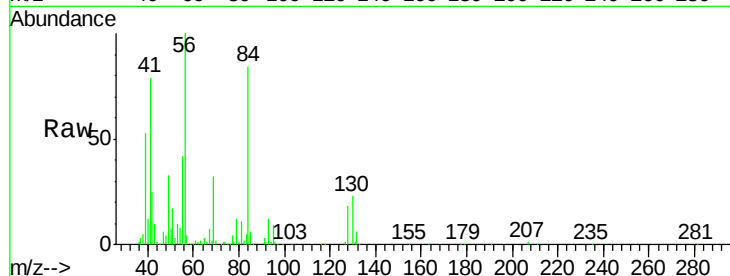




#31
Cyclohexane
Concen: 93.007 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

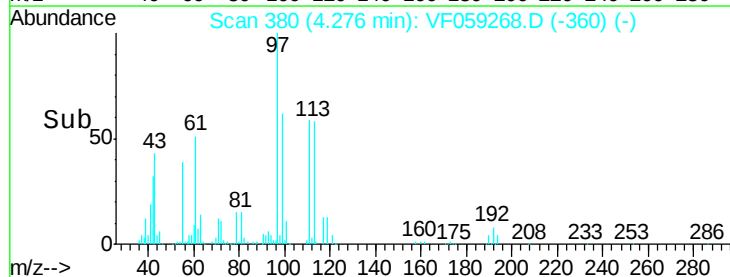
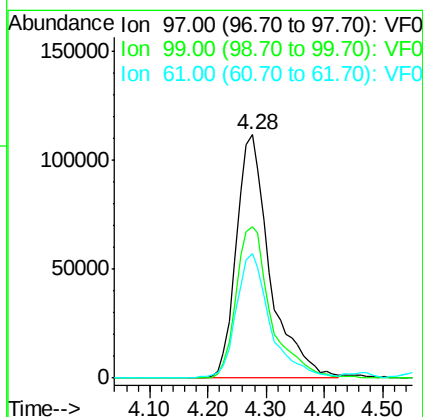
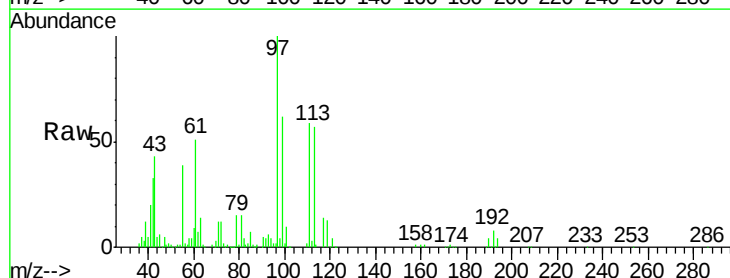
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

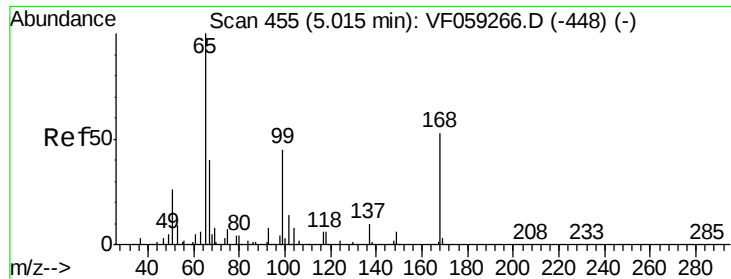
Tgt Ion: 56 Resp: 292354
Ion Ratio Lower Upper
56 100
69 32.1 28.6 43.0
84 84.4 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 112.513 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion: 97 Resp: 449207
Ion Ratio Lower Upper
97 100
99 62.2 52.4 78.6
61 51.1 40.9 61.3





#33

1,2-Dichloroethane-d4

Concen: 111.603 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

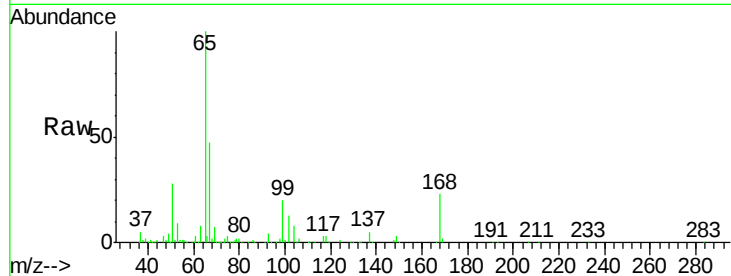
VSTDIC100

Tgt Ion: 65 Resp: 328982

Ion Ratio Lower Upper

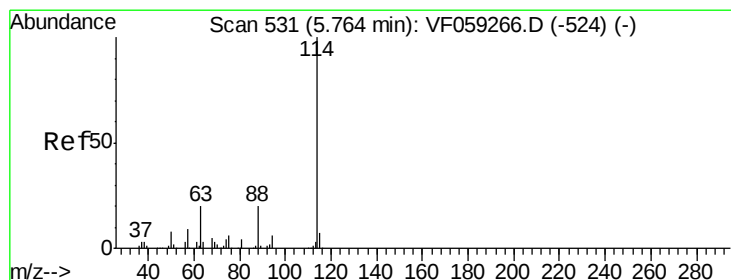
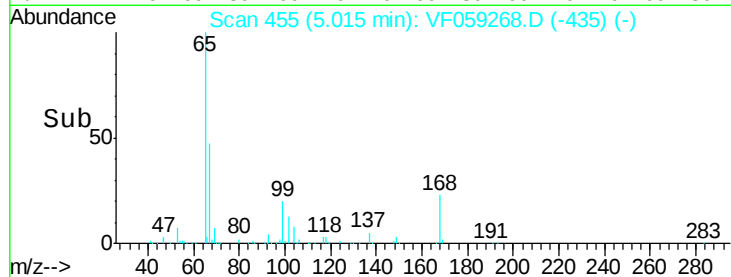
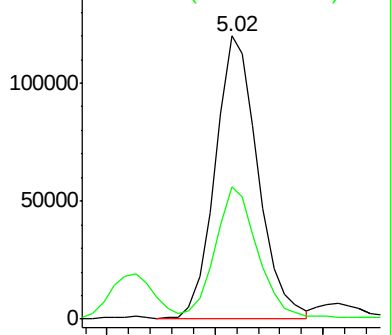
65 100

67 46.6 0.0 95.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

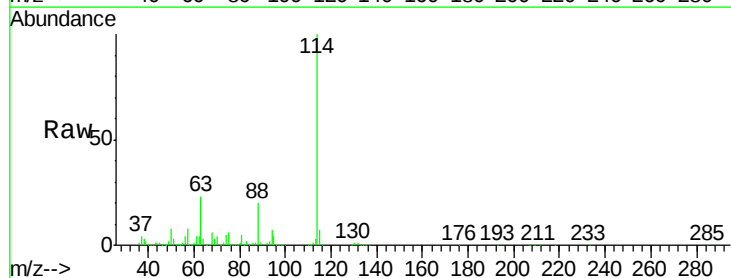
Tgt Ion: 114 Resp: 368686

Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.0

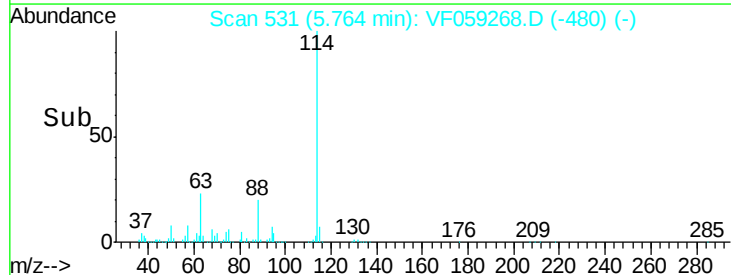
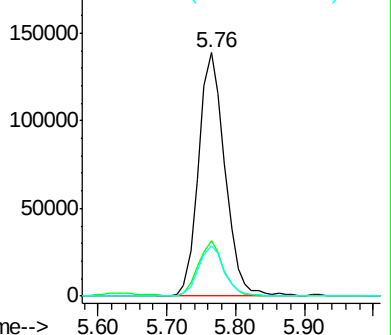
88 20.4 0.0 39.6

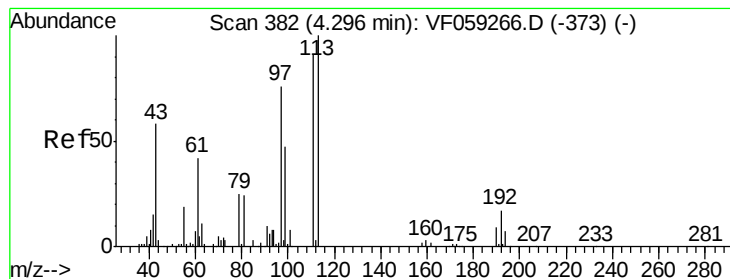


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 112.082 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

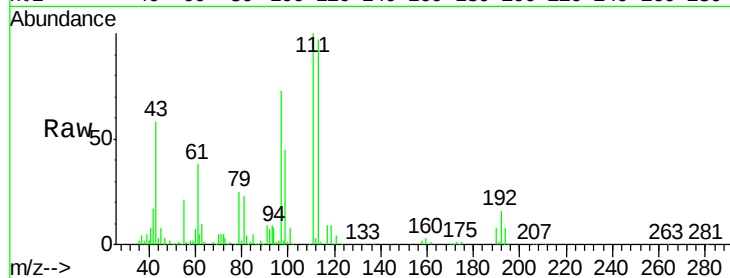
Tgt Ion:113 Resp: 292699

Ion Ratio Lower Upper

113 100

111 102.6 73.1 109.7

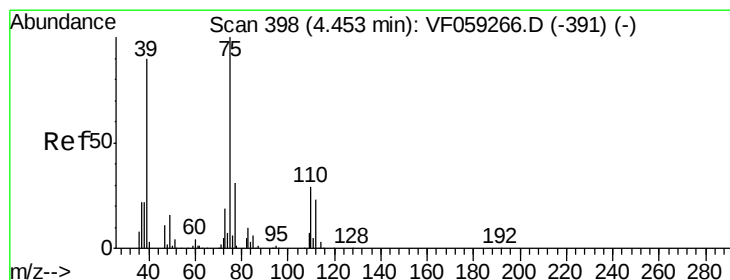
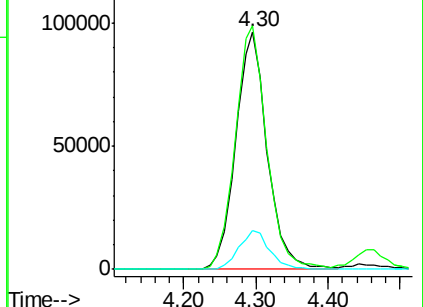
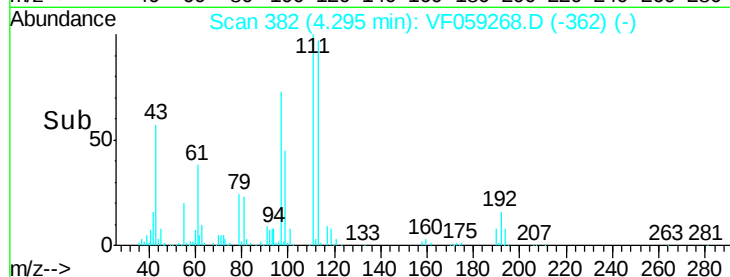
192 16.5 13.9 20.9



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 111.675 ug/l

RT: 4.45 min Scan# 398

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

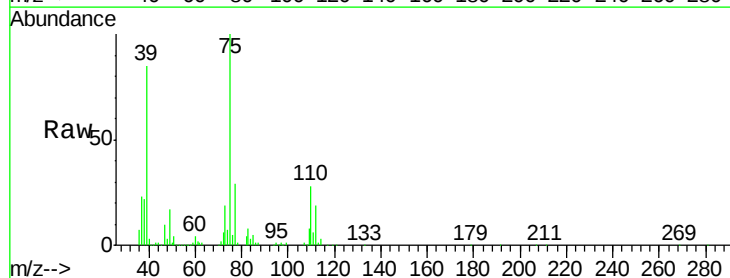
Tgt Ion: 75 Resp: 400401

Ion Ratio Lower Upper

75 100

110 28.0 14.5 43.5

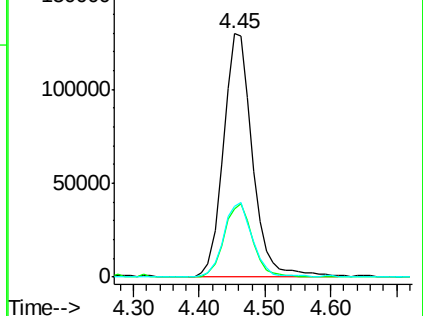
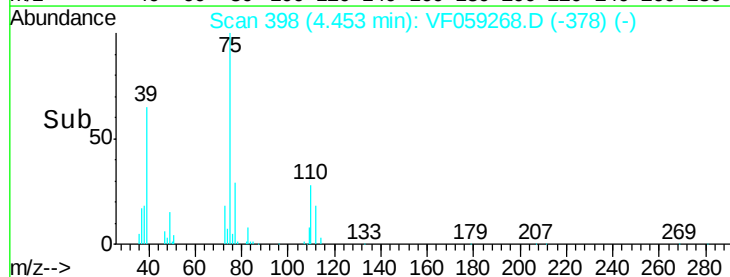
77 29.2 25.0 37.6

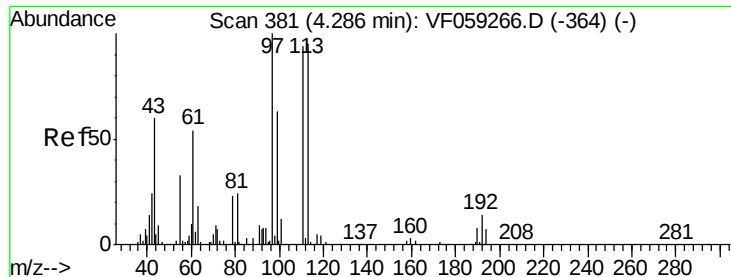


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

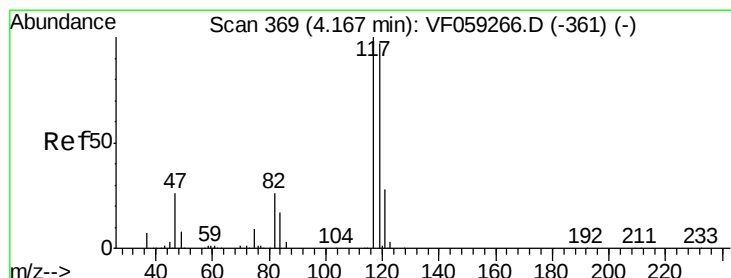
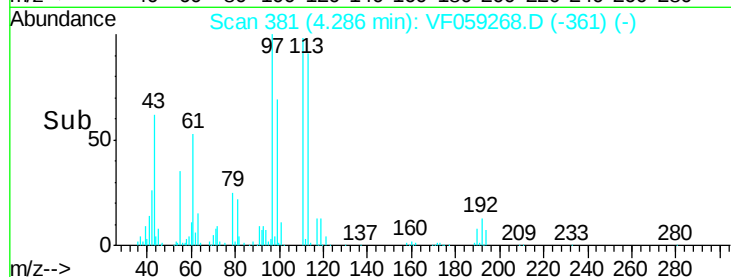
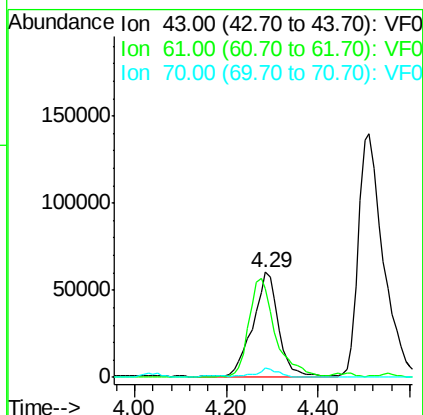
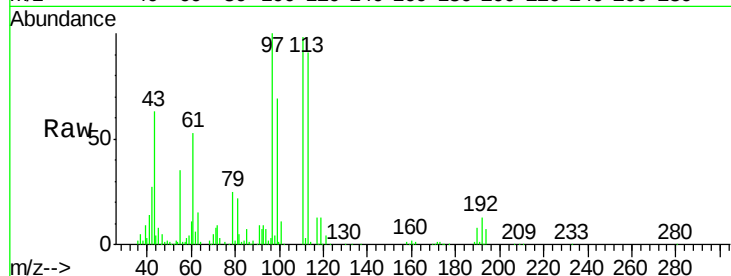




#37
Ethyl Acetate
Concen: 103.739 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

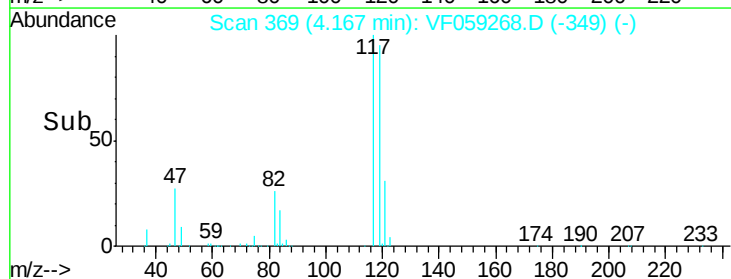
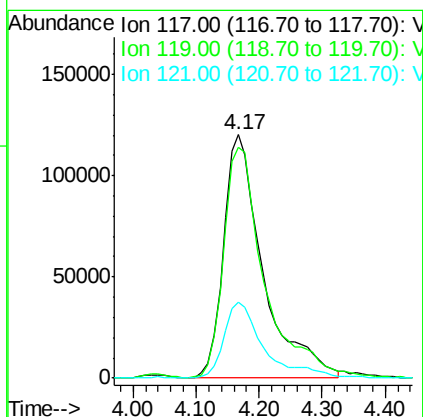
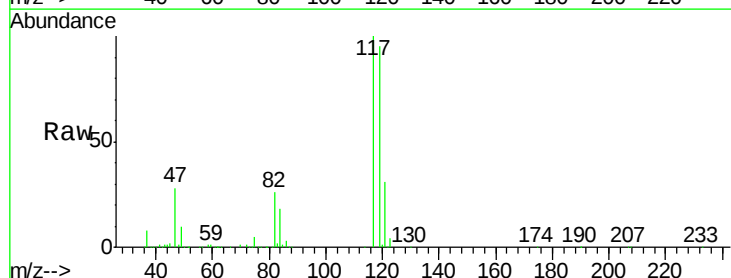
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

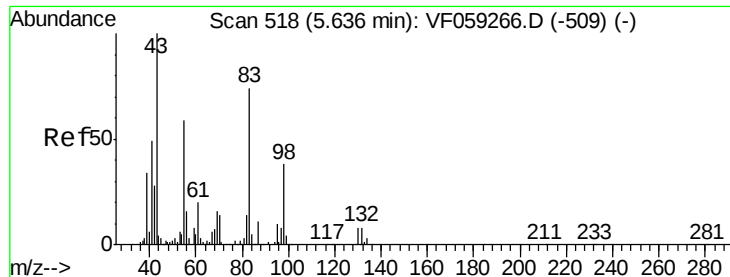
Tgt Ion: 43 Resp: 232200
Ion Ratio Lower Upper
43 100
61 84.2 71.6 107.4
70 8.6 6.9 10.3



#38
Carbon Tetrachloride
Concen: 131.286 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion: 117 Resp: 522202
Ion Ratio Lower Upper
117 100
119 94.7 77.5 116.3
121 31.1 22.2 33.4

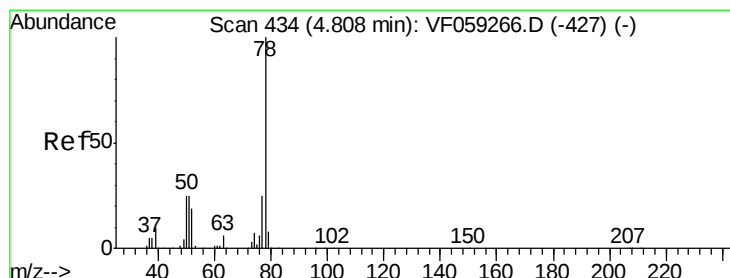
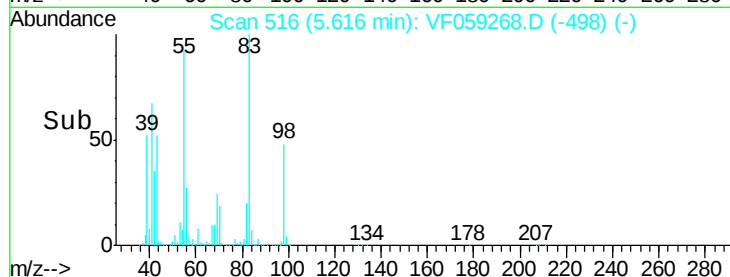
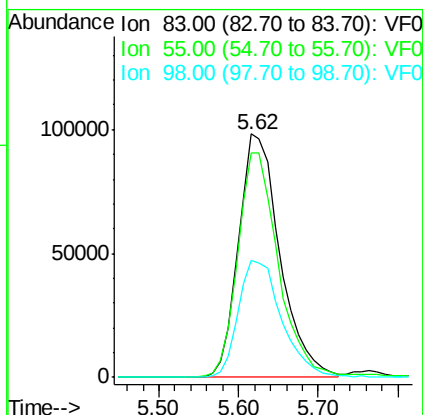
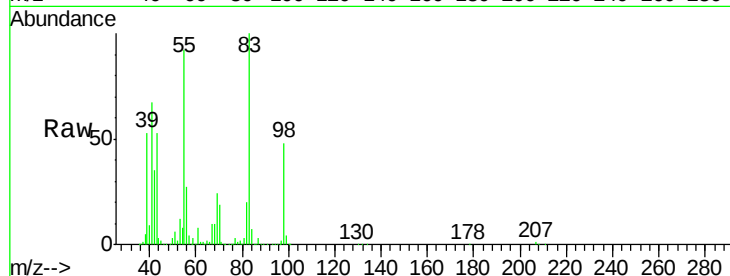




#39
Methylcyclohexane
Concen: 99.682 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

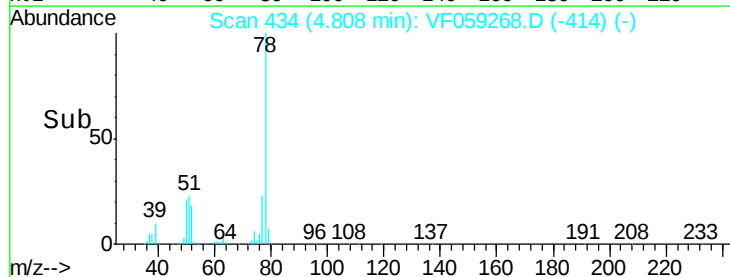
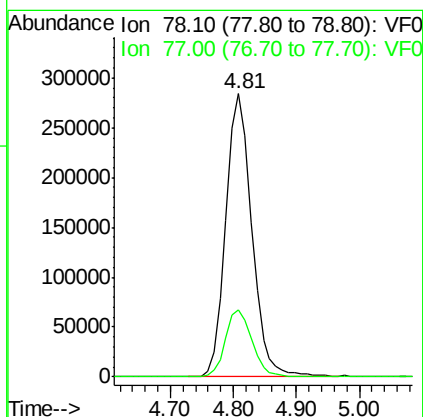
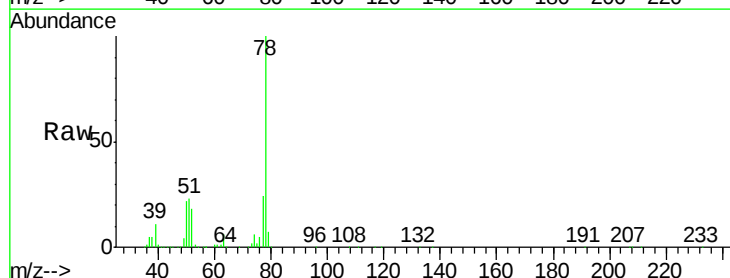
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

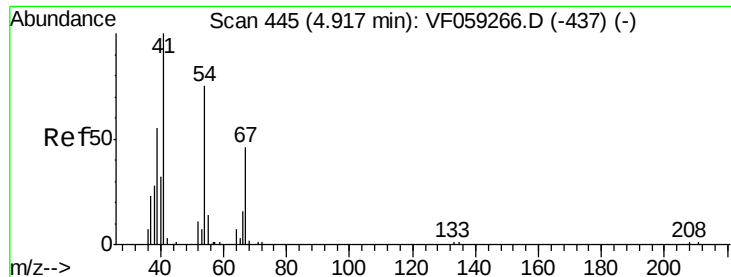
Tgt Ion: 83 Resp: 353938
Ion Ratio Lower Upper
83 100
55 91.9 63.7 95.5
98 48.1 41.6 62.4



#40
Benzene
Concen: 98.876 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion: 78 Resp: 814693
Ion Ratio Lower Upper
78 100
77 23.5 20.4 30.6

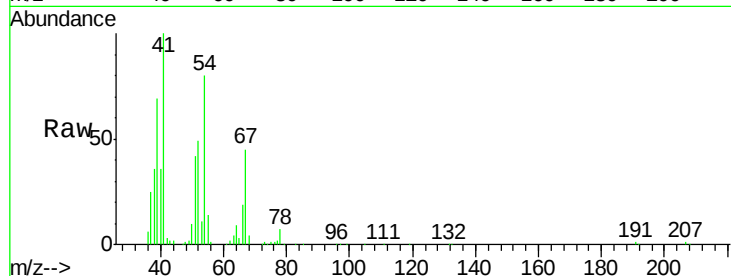




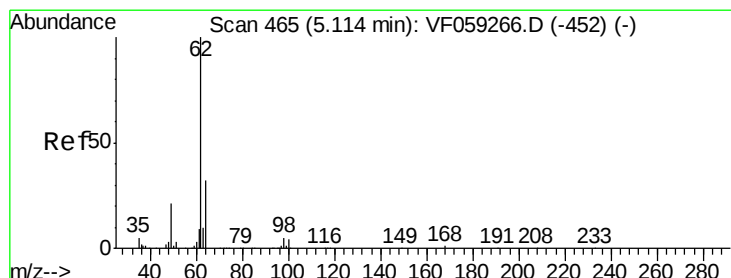
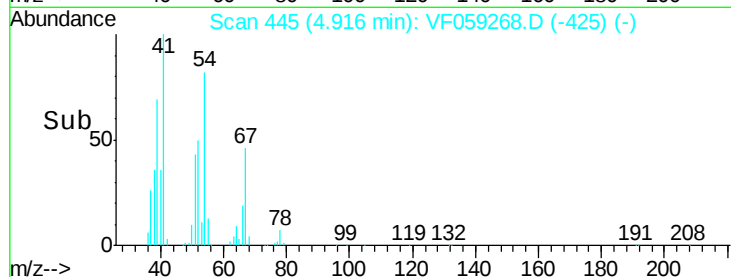
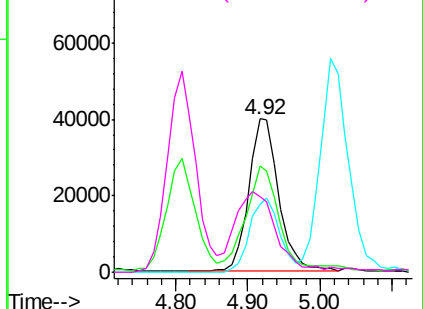
#41
Methacrylonitrile
Concen: 105.540 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tgt Ion:	41	Resp:	115974
Ion	Ratio	Lower	Upper
41	100		
39	69.0	57.0	85.6
67	44.7	36.8	55.2
52	49.3	37.7	56.5

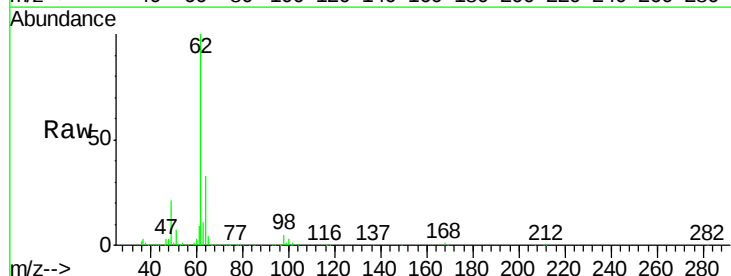


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

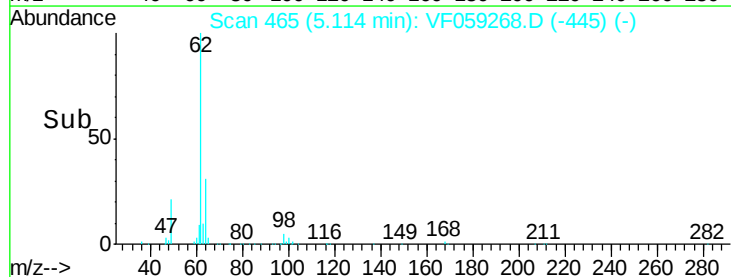
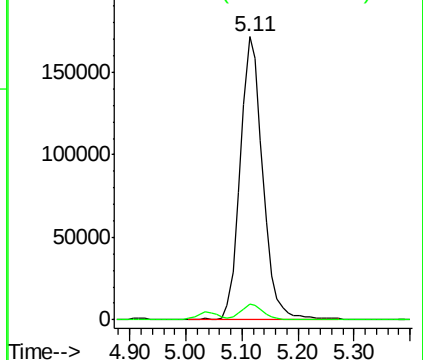


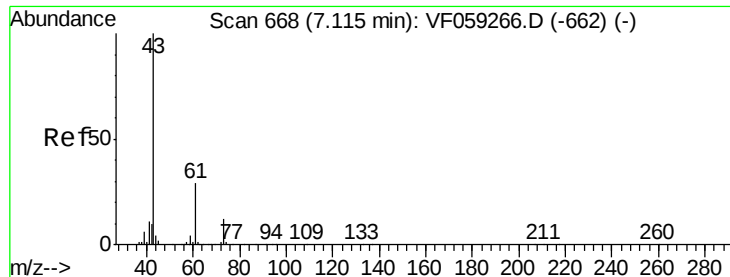
#42
1,2-Dichloroethane
Concen: 123.447 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion:	62	Resp:	480763
Ion	Ratio	Lower	Upper
62	100		
98	5.4	0.0	10.4



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 105.635 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

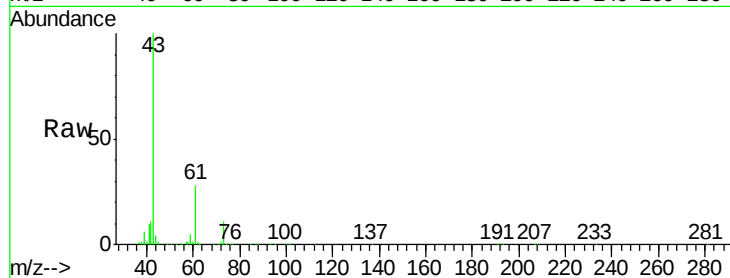
Tgt Ion: 43 Resp: 317671

Ion Ratio Lower Upper

43 100

61 27.9 22.8 34.2

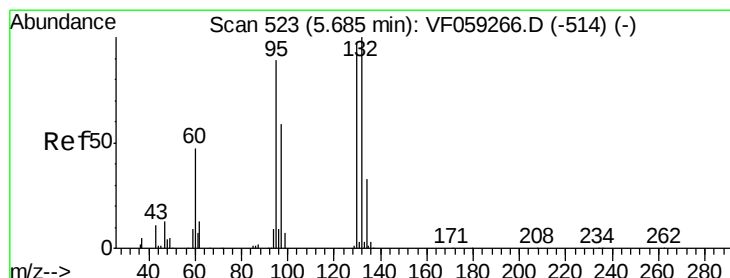
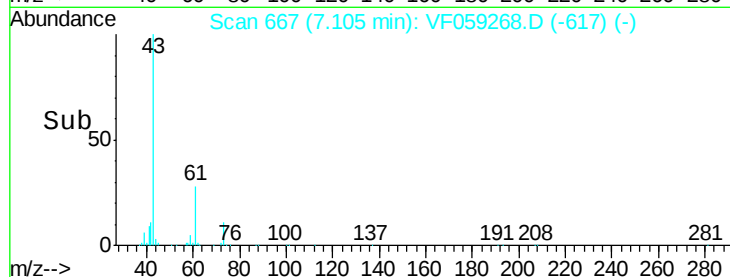
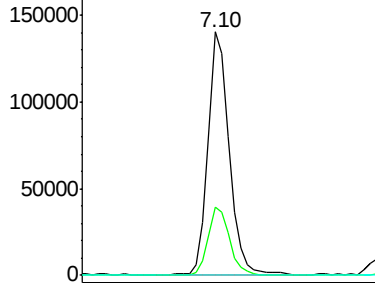
87 0.4 0.3 0.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 107.128 ug/l

RT: 5.68 min Scan# 522

Delta R.T. -0.01 min

Lab File: VF059268.D

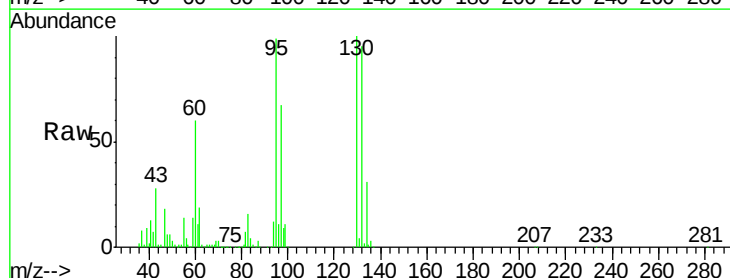
Acq: 21 Jun 2018 18:08

Tgt Ion: 130 Resp: 283241

Ion Ratio Lower Upper

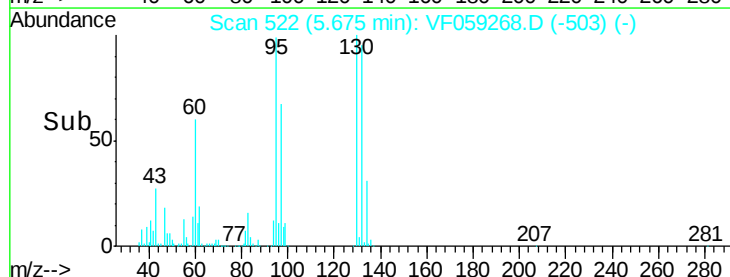
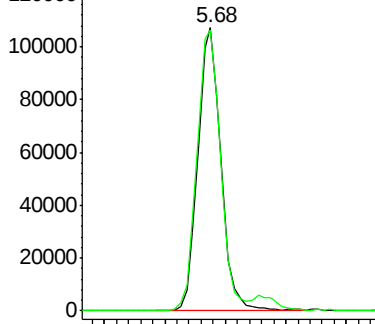
130 100

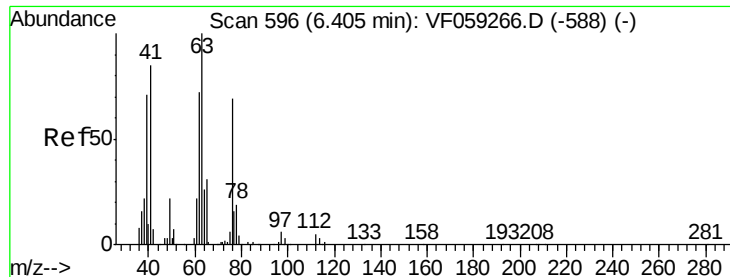
95 99.4 0.0 183.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 101.145 ug/l

RT: 6.40 min Scan# 596

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

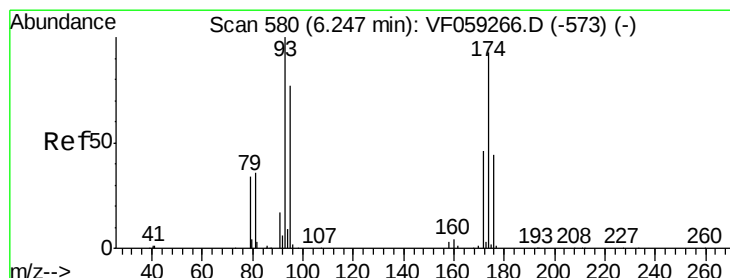
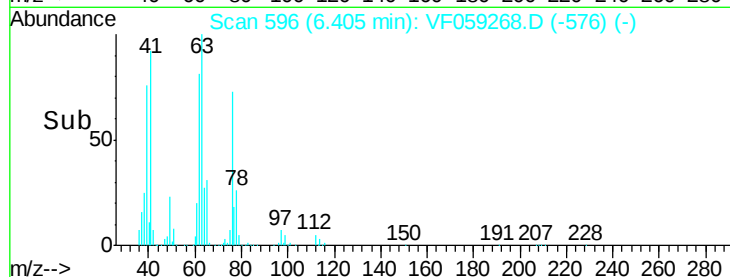
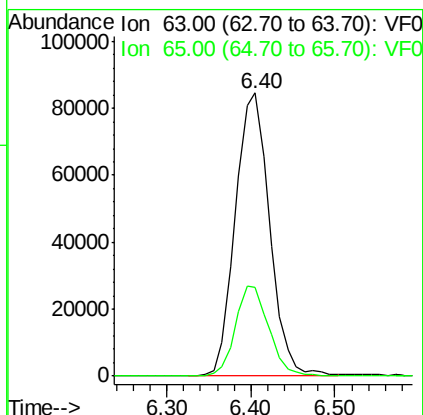
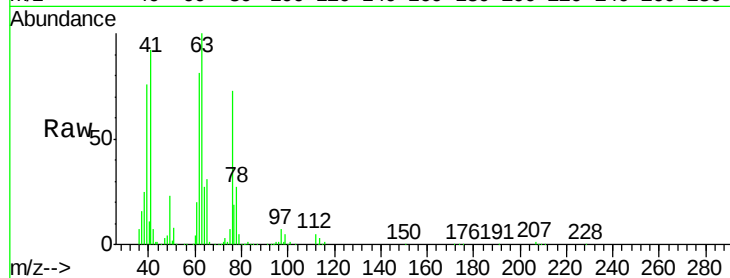
VSTDIC100

Tgt Ion: 63 Resp: 241223

Ion Ratio Lower Upper

63 100

65 31.5 25.3 37.9



#46

Dibromomethane

Concen: 114.432 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

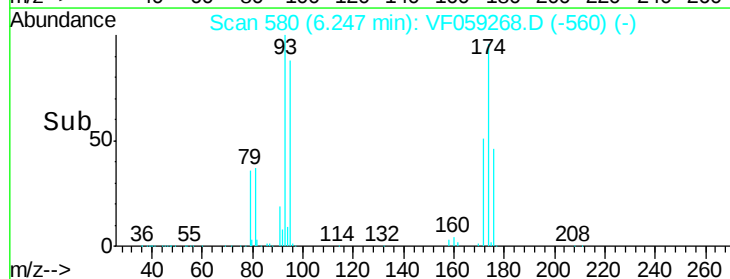
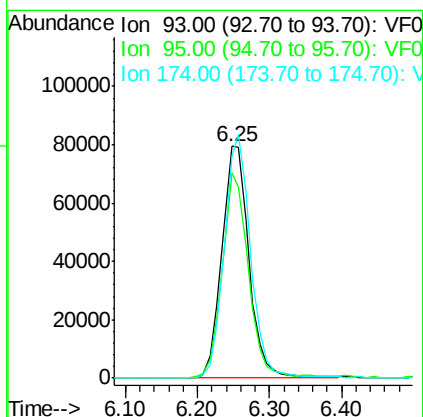
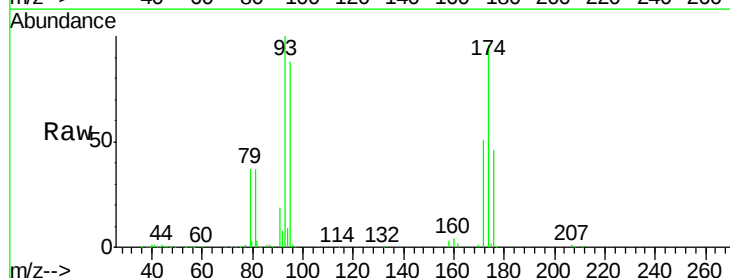
Tgt Ion: 93 Resp: 208078

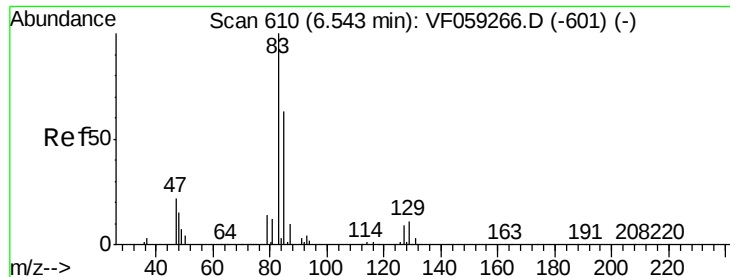
Ion Ratio Lower Upper

93 100

95 88.4 61.8 92.6

174 95.8 74.4 111.6





#47

Bromodichloromethane

Concen: 119.443 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

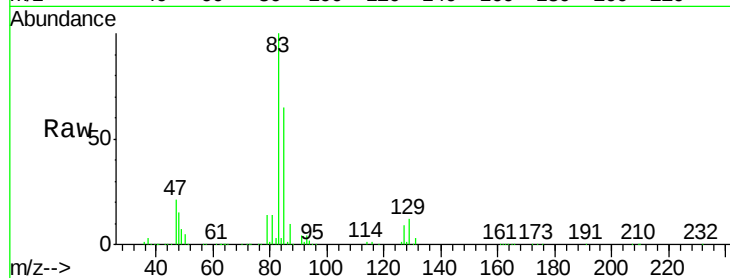
Tgt Ion: 83 Resp: 501291

Ion Ratio Lower Upper

83 100

85 65.2 50.3 75.5

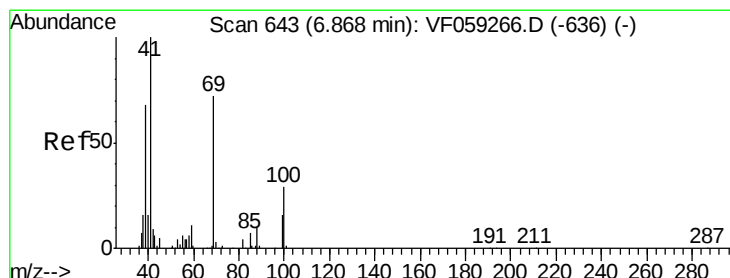
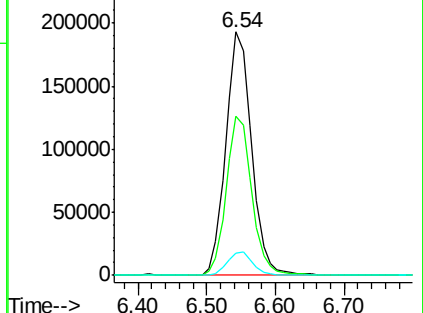
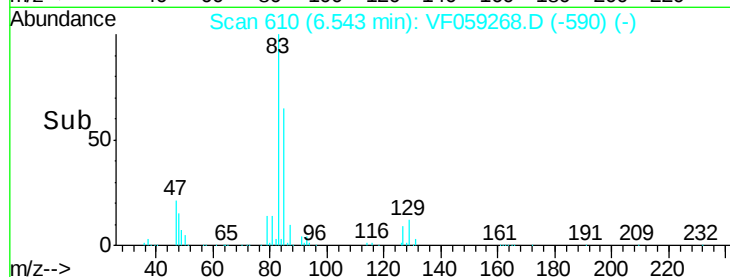
127 9.2 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 116.767 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

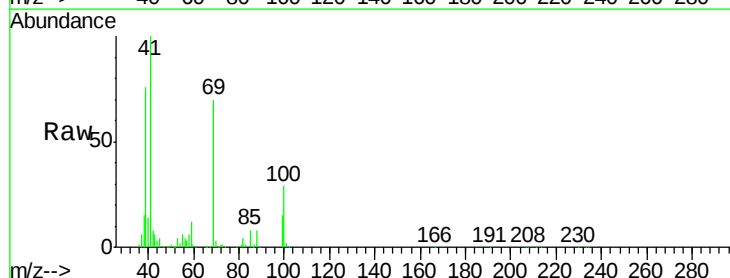
Tgt Ion: 41 Resp: 215057

Ion Ratio Lower Upper

41 100

69 69.8 57.4 86.2

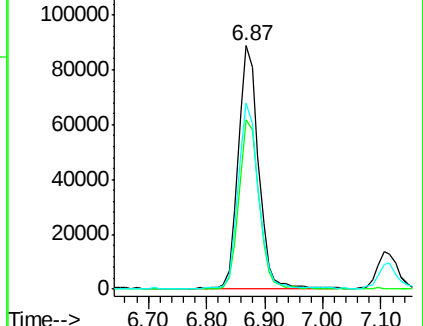
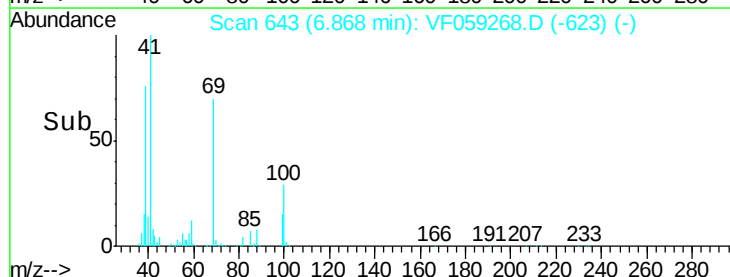
39 76.2 54.8 82.2

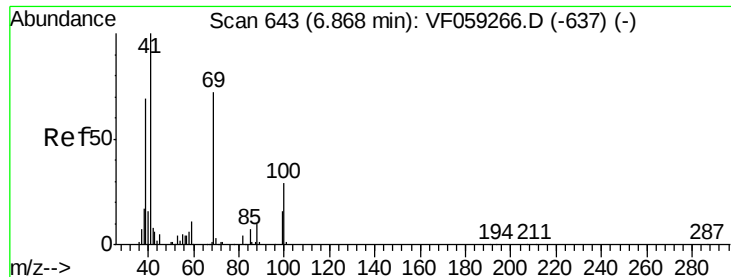


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1830.360 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

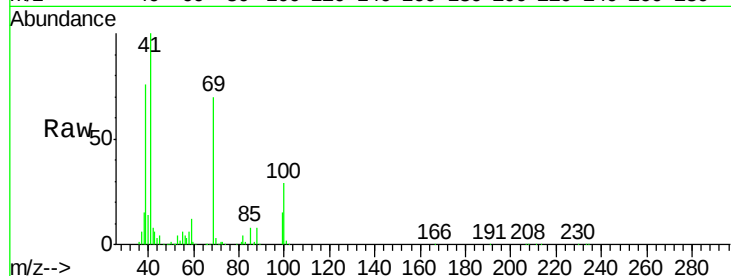
Tgt Ion: 88 Resp: 22329

Ion Ratio Lower Upper

88 100

43 75.3 55.5 83.3

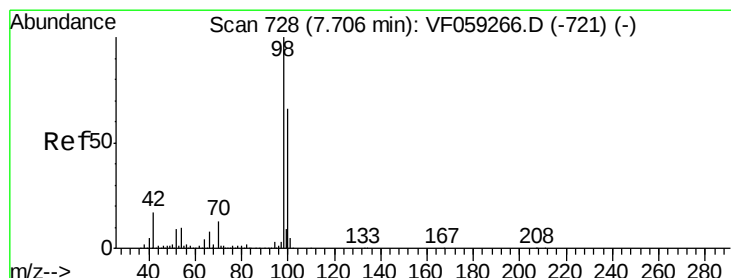
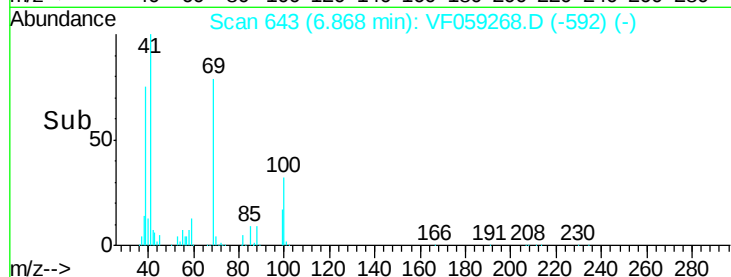
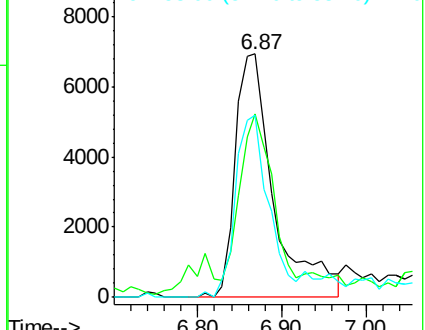
58 74.7 50.1 75.1



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 105.791 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF059268.D

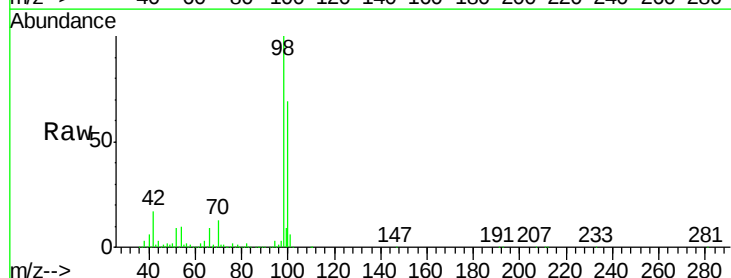
Acq: 21 Jun 2018 18:08

Tgt Ion: 98 Resp: 793909

Ion Ratio Lower Upper

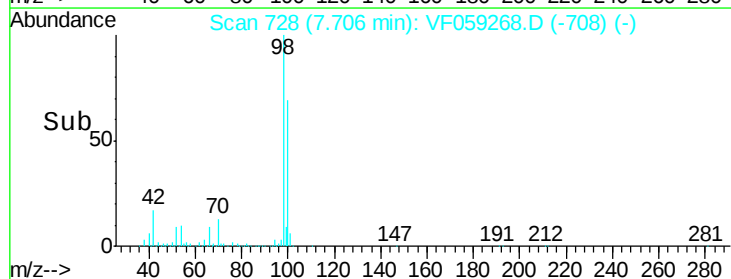
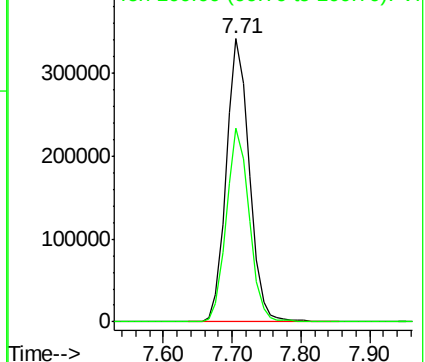
98 100

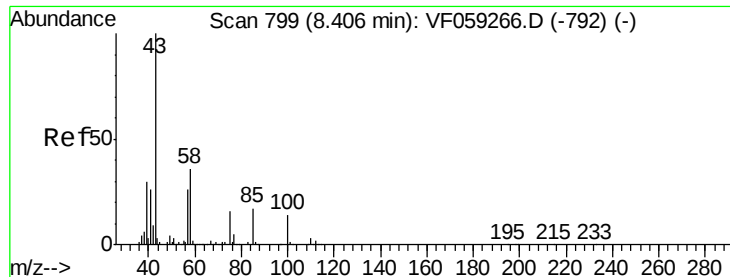
100 68.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 512.511 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

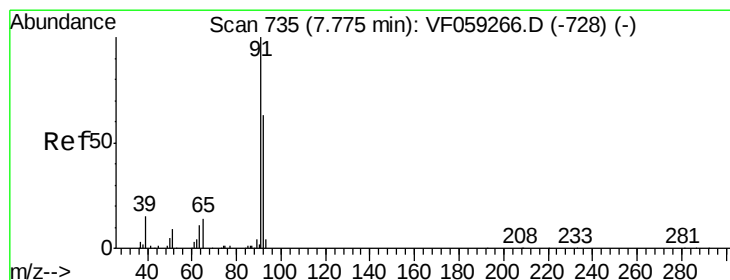
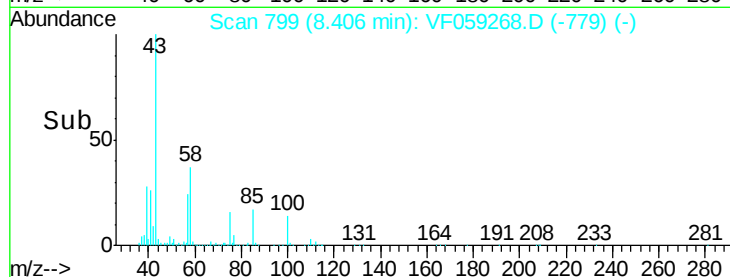
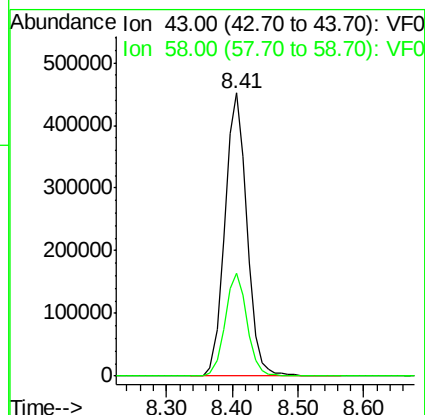
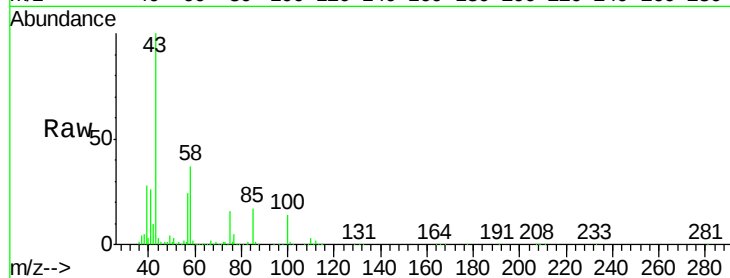
VSTDIC100

Tgt Ion: 43 Resp: 1058184

Ion Ratio Lower Upper

43 100

58 36.6 29.0 43.6



#52

Toluene

Concen: 103.227 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059268.D

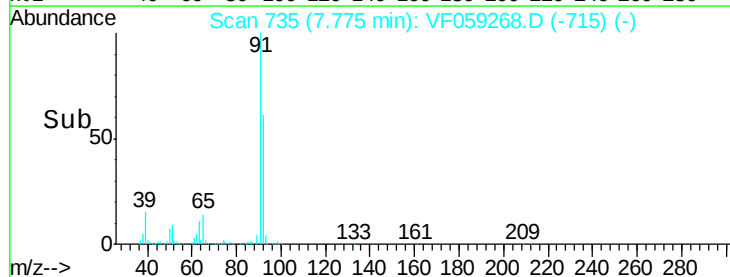
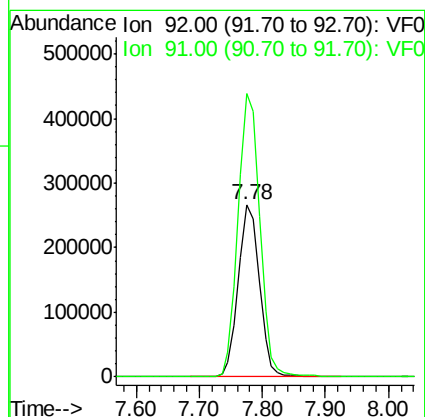
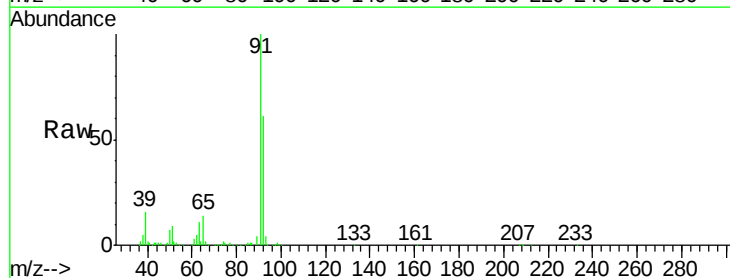
Acq: 21 Jun 2018 18:08

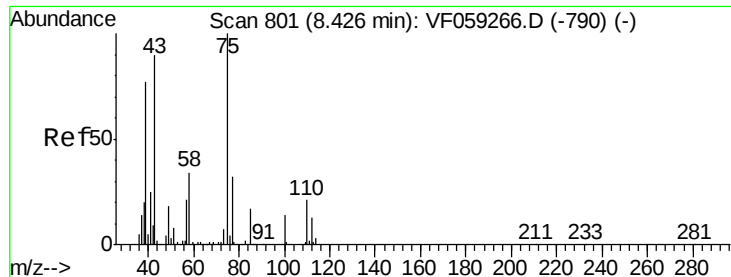
Tgt Ion: 92 Resp: 618123

Ion Ratio Lower Upper

92 100

91 164.3 127.8 191.6





#53

t-1,3-Dichloropropene

Concen: 111.413 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

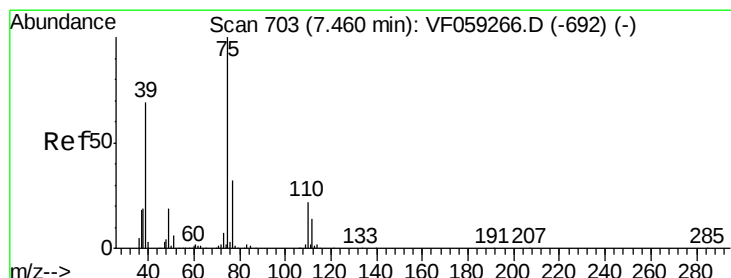
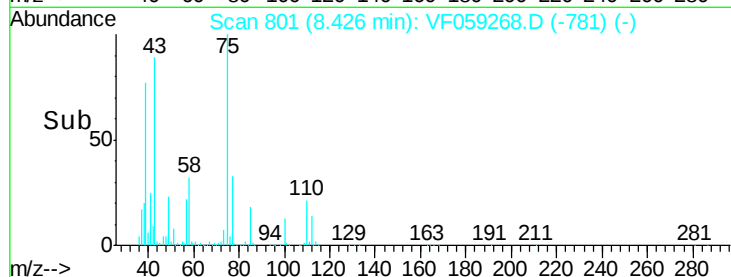
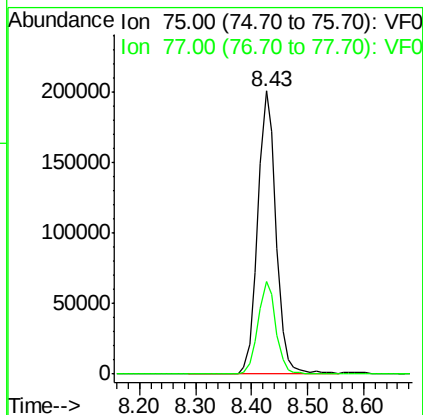
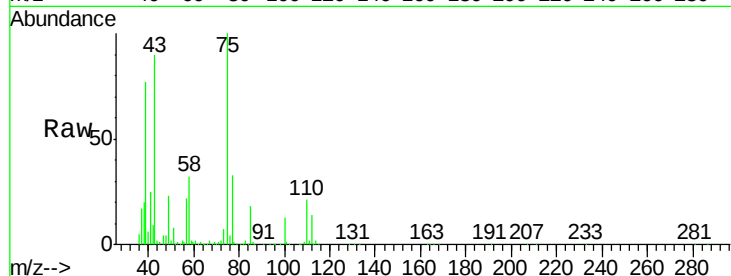
VSTDIC100

Tgt Ion: 75 Resp: 456263

Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1



#54

cis-1,3-Dichloropropene

Concen: 108.455 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

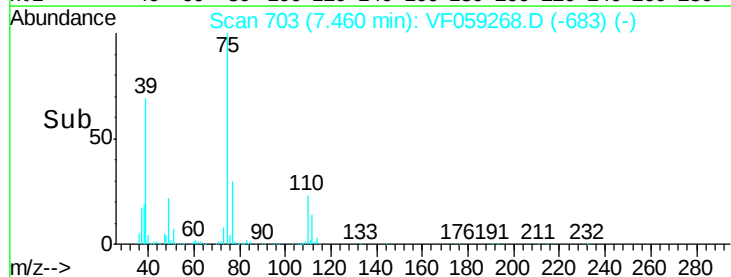
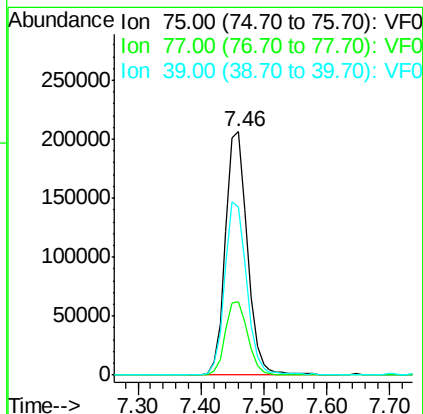
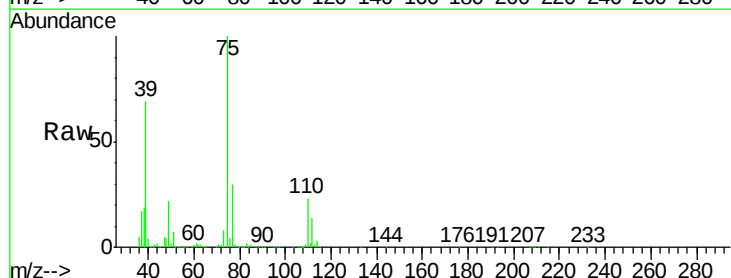
Tgt Ion: 75 Resp: 498756

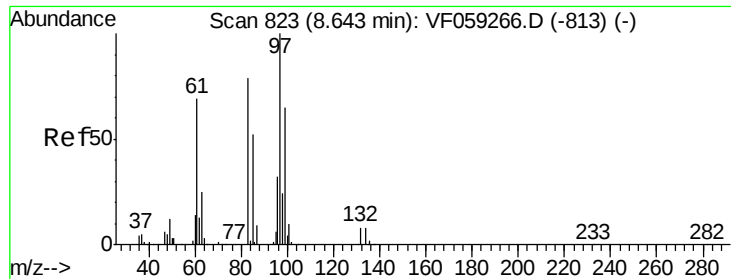
Ion Ratio Lower Upper

75 100

77 30.0 26.0 39.0

39 69.0 55.5 83.3





#55

1,1,2-Trichloroethane

Concen: 112.630 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 248429

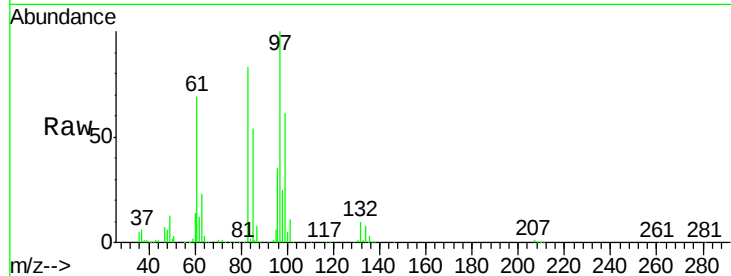
Ion Ratio Lower Upper

97 100

83 82.8 63.2 94.8

85 53.9 41.8 62.6

99 60.6 51.7 77.5

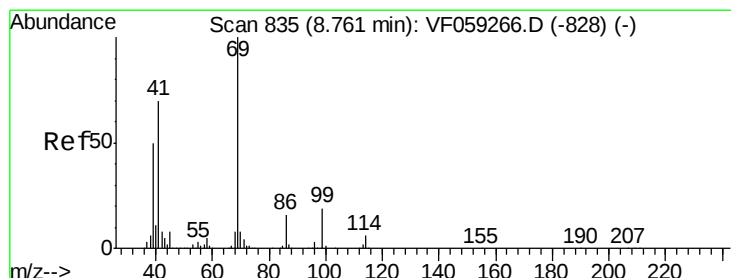
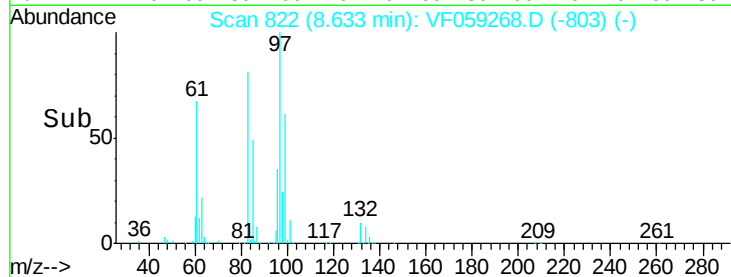
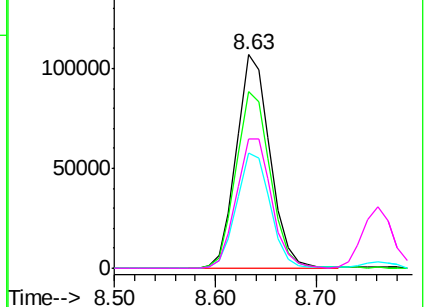


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 106.497 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

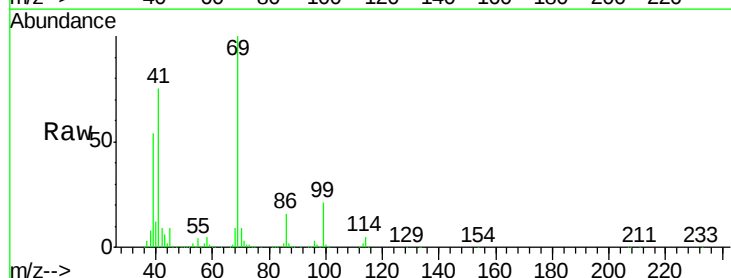
Tgt Ion: 69 Resp: 296000

Ion Ratio Lower Upper

69 100

41 75.0 56.6 85.0

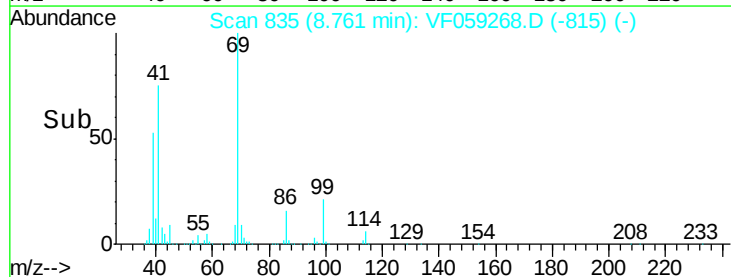
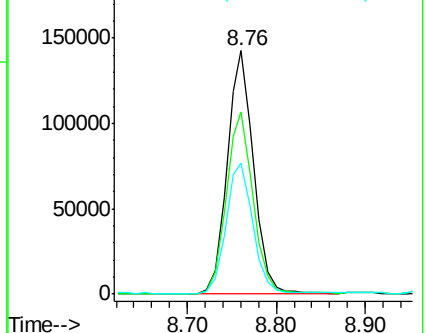
39 53.6 40.5 60.7

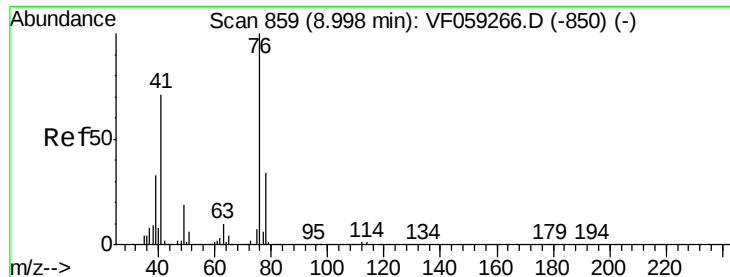


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 109.125 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

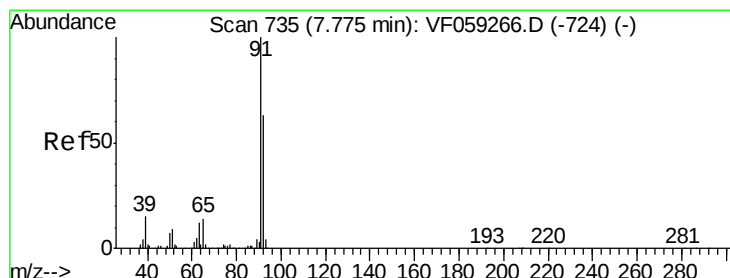
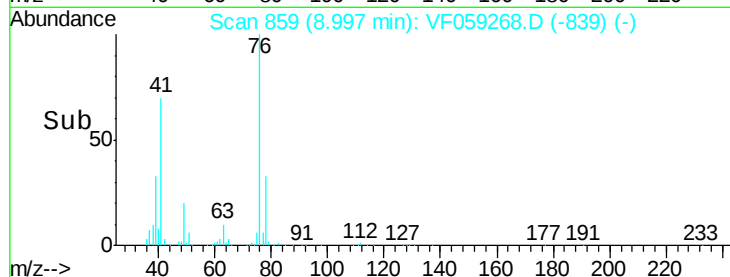
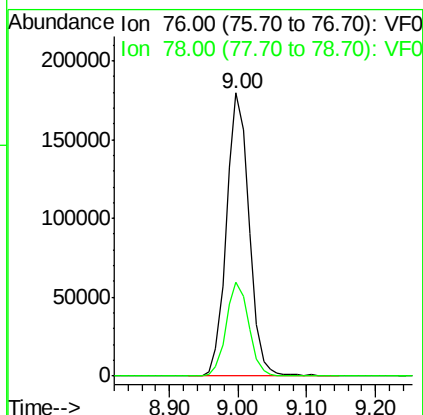
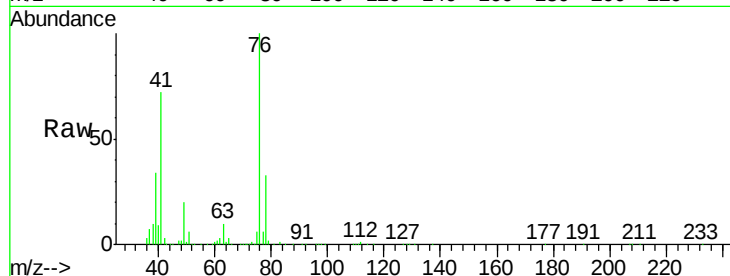
VSTDIC100

Tgt Ion: 76 Resp: 408653

Ion Ratio Lower Upper

76 100

78 33.1 27.5 41.3



#58

2-Chloroethyl Vinyl ether

Concen: 566.331 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059268.D

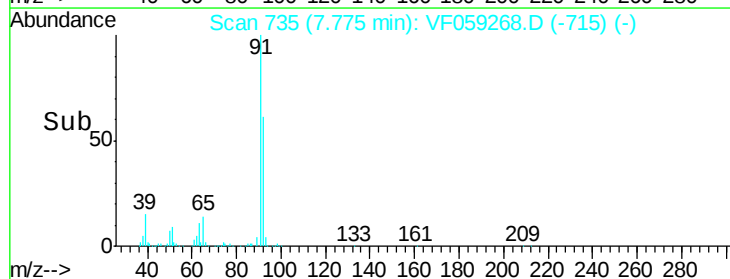
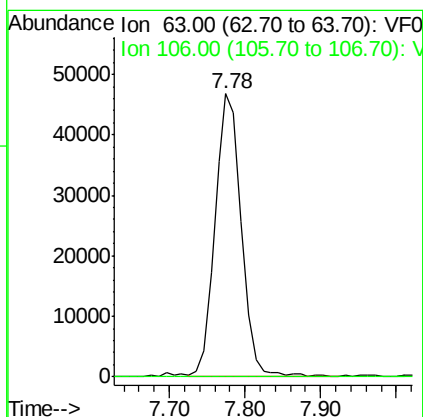
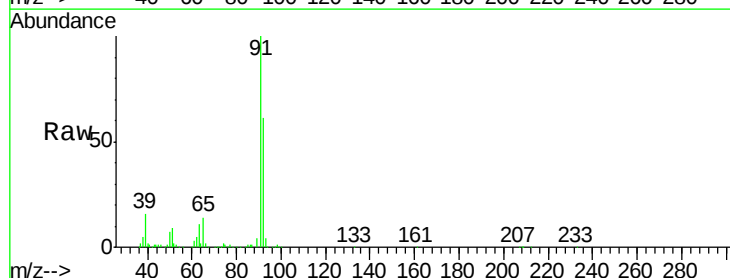
Acq: 21 Jun 2018 18:08

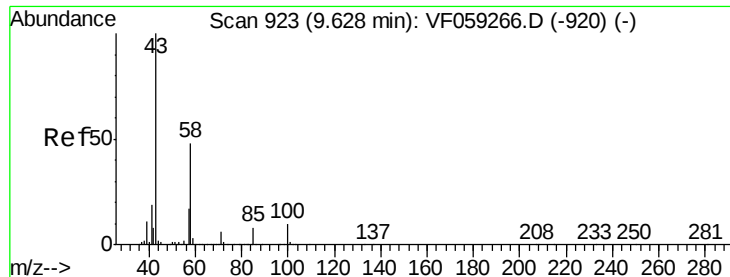
Tgt Ion: 63 Resp: 113612

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

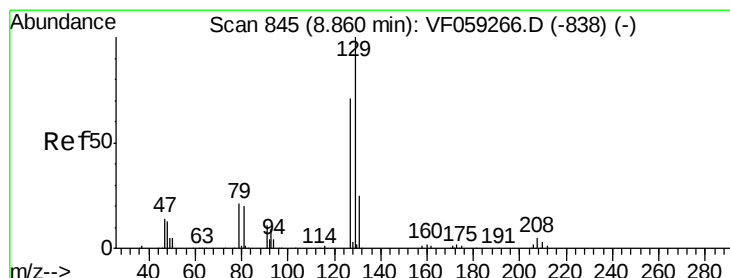
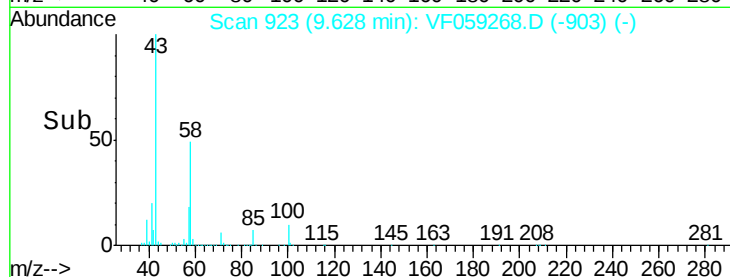
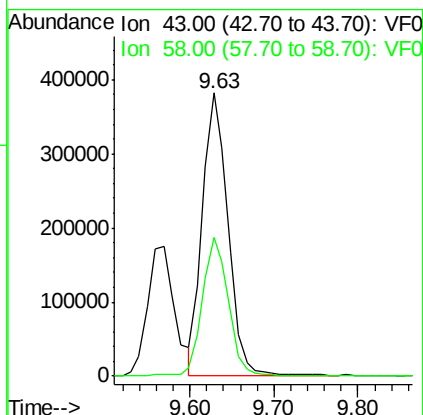
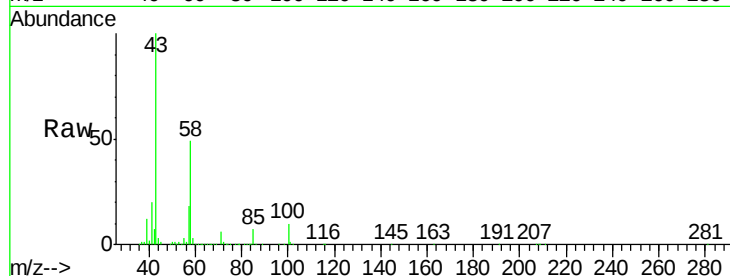




#59
2-Hexanone
Concen: 491.416 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

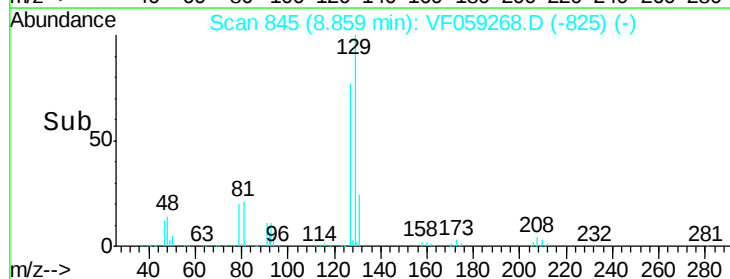
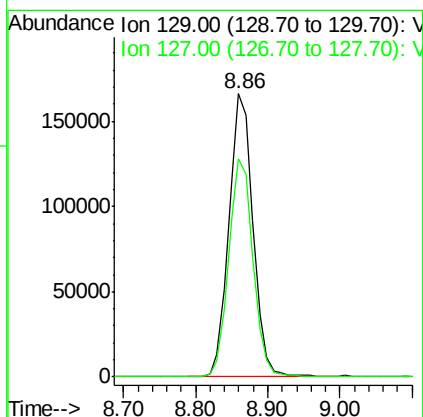
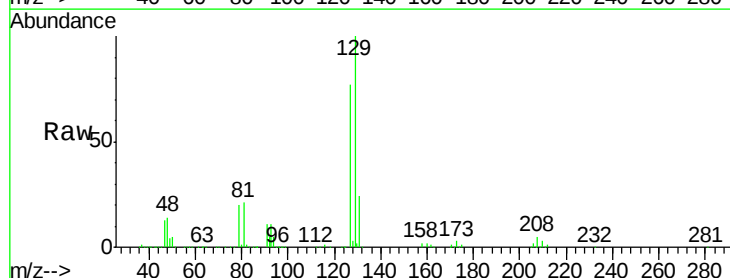
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

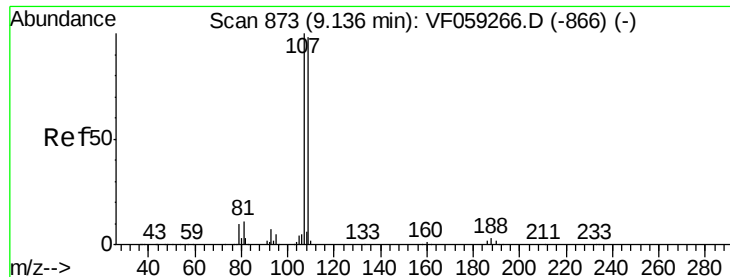
Tgt Ion: 43 Resp: 802988
Ion Ratio Lower Upper
43 100
58 49.2 23.3 69.9



#60
Dibromochloromethane
Concen: 120.728 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion: 129 Resp: 386860
Ion Ratio Lower Upper
129 100
127 76.9 35.4 106.2





#61

1,2-Dibromoethane

Concen: 112.955 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

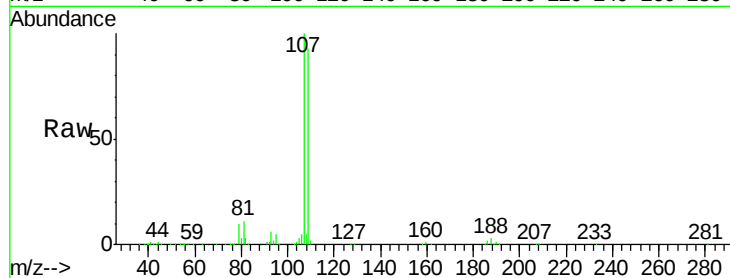
VSTDIC100

Tgt Ion: 107 Resp: 290028

Ion Ratio Lower Upper

107 100

109 93.5 78.0 117.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.14

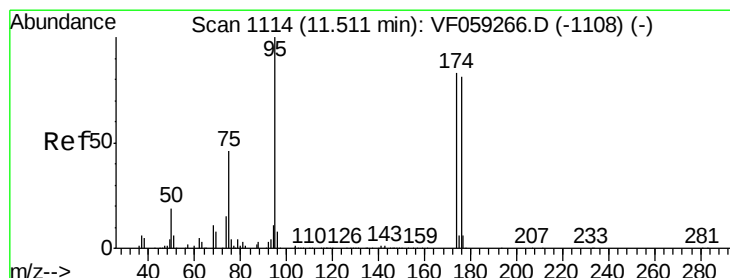
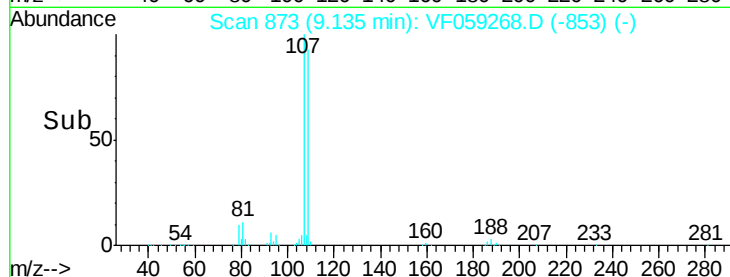
150000

100000

50000

0

Time--> 9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 106.291 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

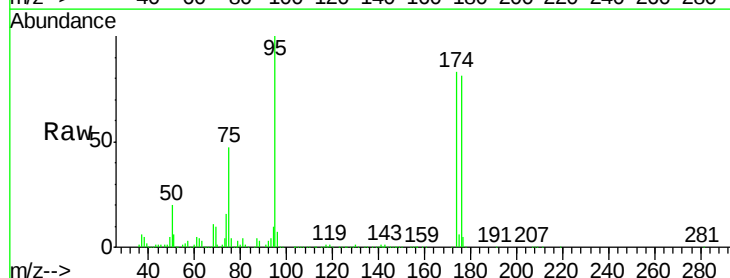
Tgt Ion: 95 Resp: 419984

Ion Ratio Lower Upper

95 100

174 83.0 0.0 166.2

176 80.6 0.0 162.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.51

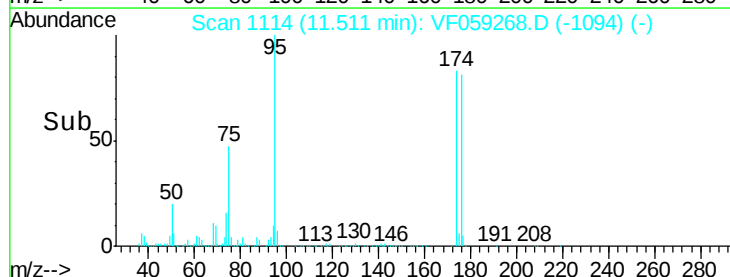
300000

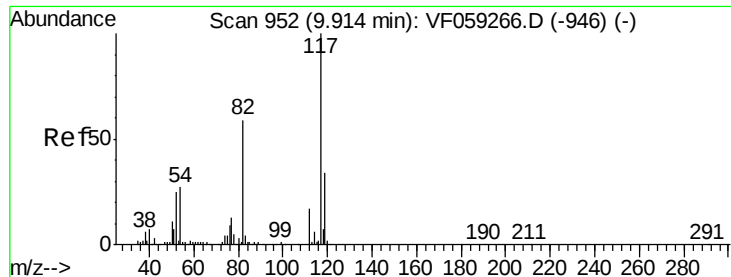
200000

100000

0

Time--> 11.40 11.50 11.60 11.70

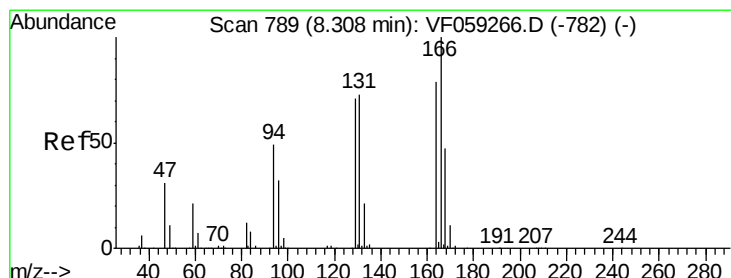
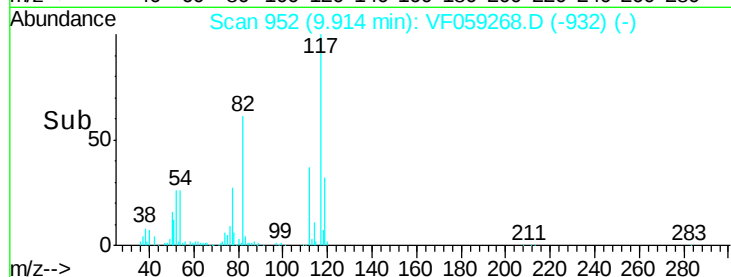
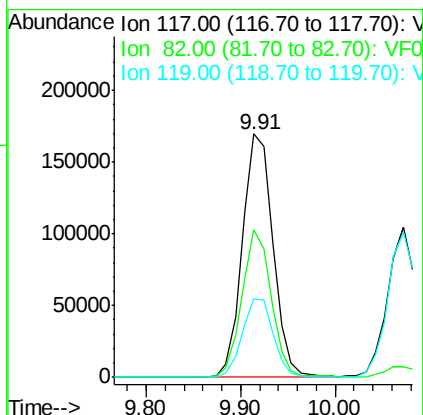
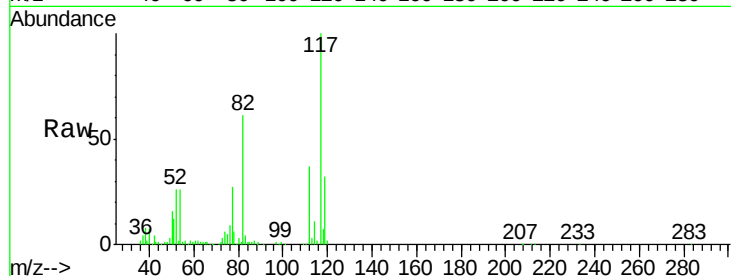




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

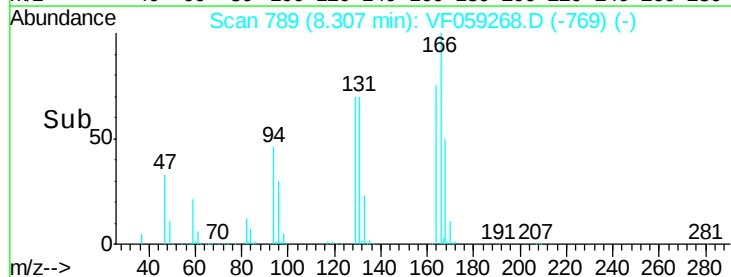
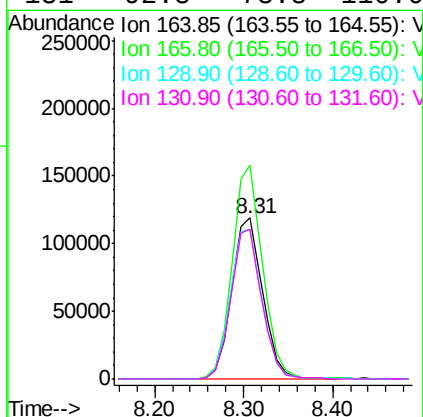
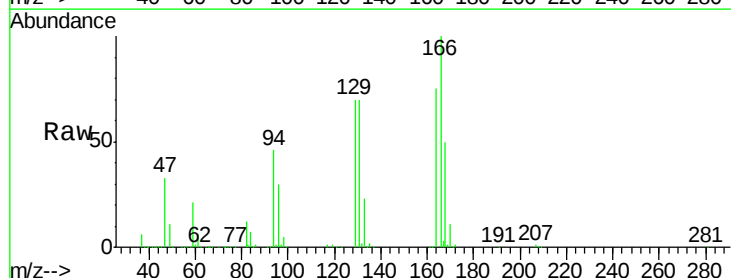
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

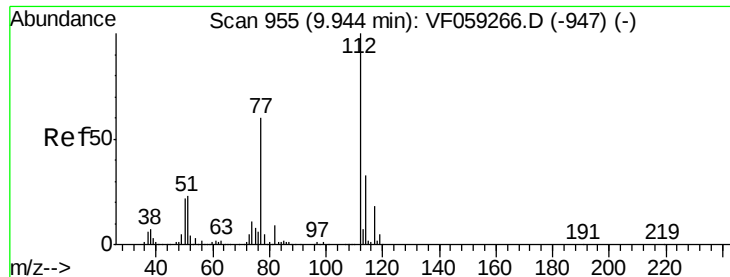
Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.7	47.1	70.7
119	32.1	26.9	40.3



#64
Tetrachloroethene
Concen: 102.690 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.8	101.4	152.2
129	93.3	72.2	108.4
131	92.8	73.8	110.6





#65

Chlorobenzene

Concen: 106.597 ug/l

RT: 9.94 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

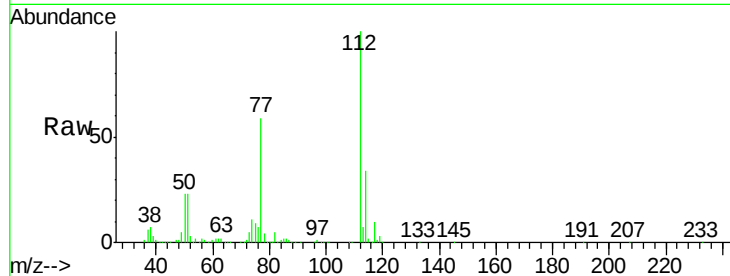
VSTDIC100

Tgt Ion:112 Resp: 815415

Ion Ratio Lower Upper

112 100

114 34.3 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.94

400000

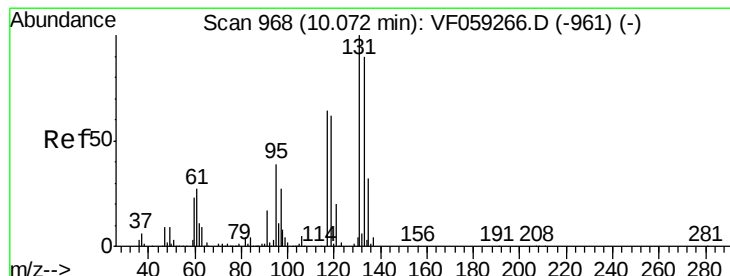
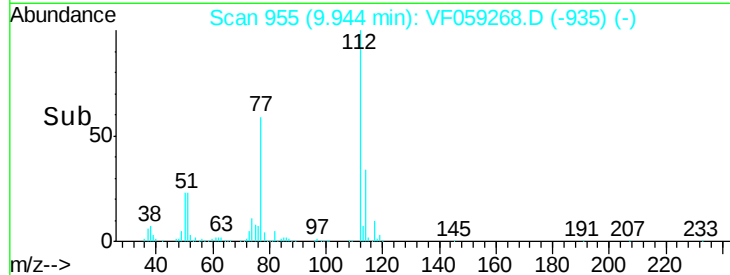
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 110.077 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

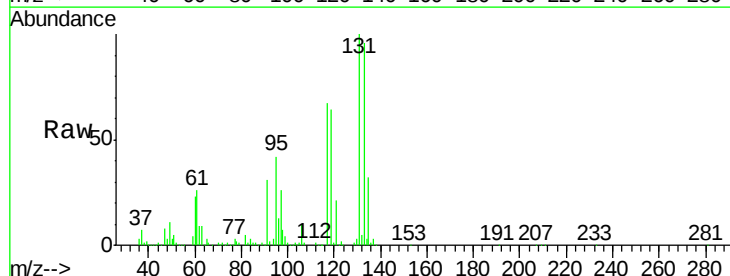
Tgt Ion:131 Resp: 336809

Ion Ratio Lower Upper

131 100

133 96.2 45.1 135.2

119 64.4 31.2 93.6



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

10.07

200000

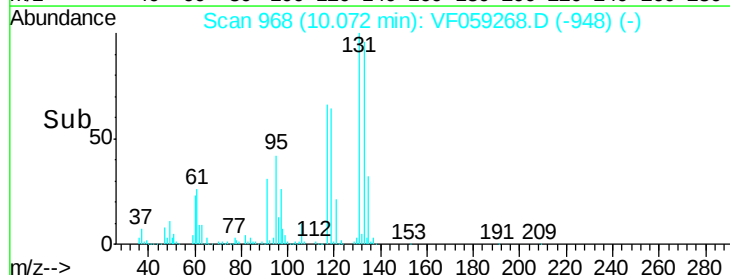
150000

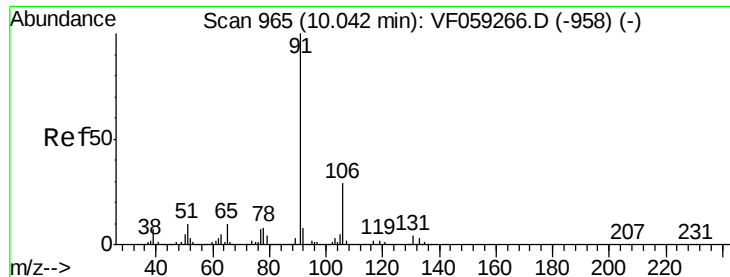
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 100.761 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

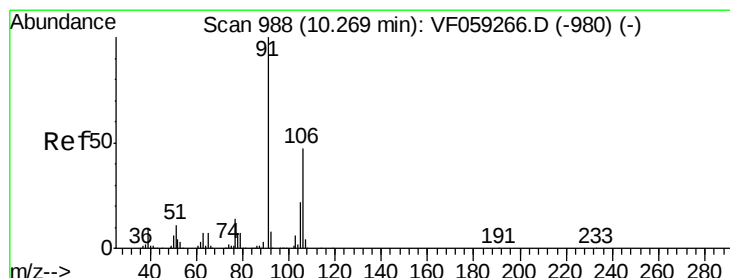
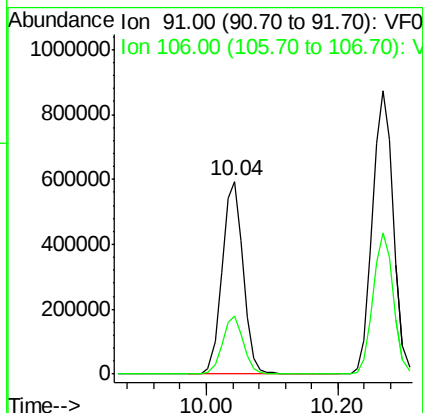
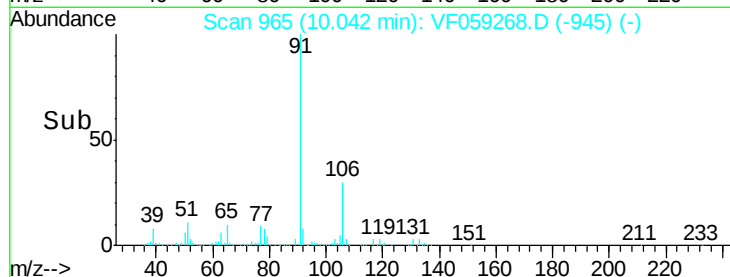
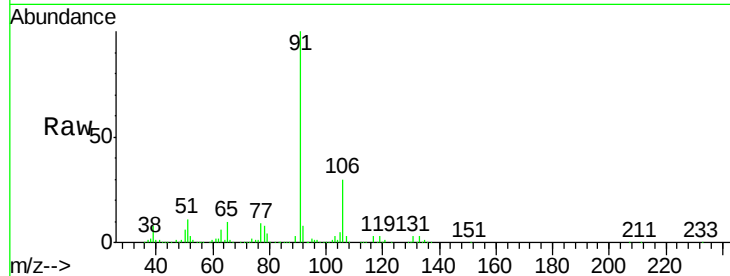
VSTDIC100

Tgt Ion: 91 Resp: 1327579

Ion Ratio Lower Upper

91 100

106 30.5 23.4 35.2



#68

m/p-Xylenes

Concen: 188.611 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF059268.D

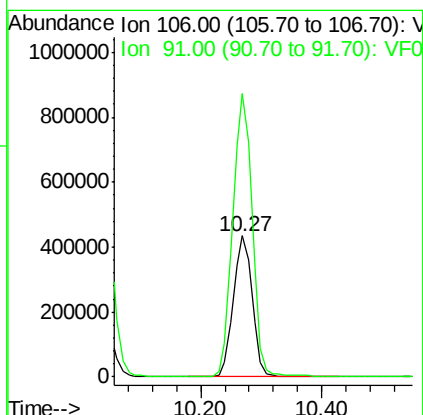
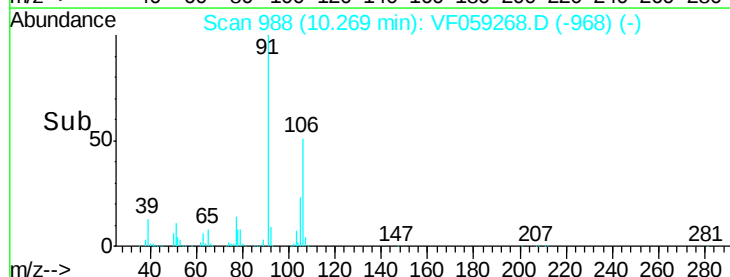
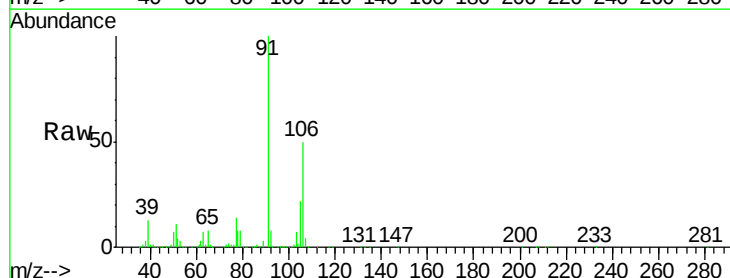
Acq: 21 Jun 2018 18:08

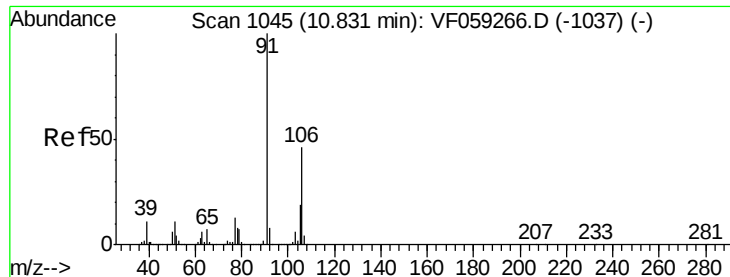
Tgt Ion: 106 Resp: 943359

Ion Ratio Lower Upper

106 100

91 201.1 168.8 253.2

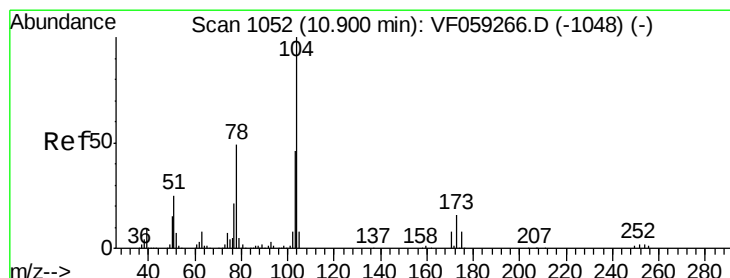
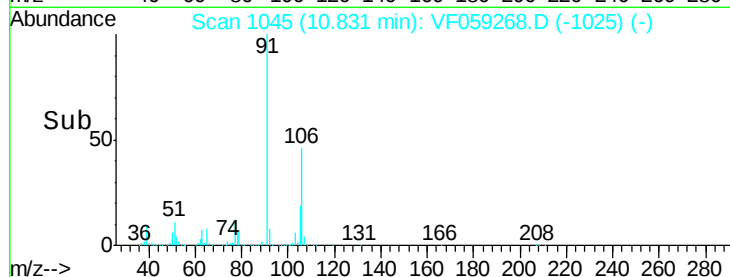
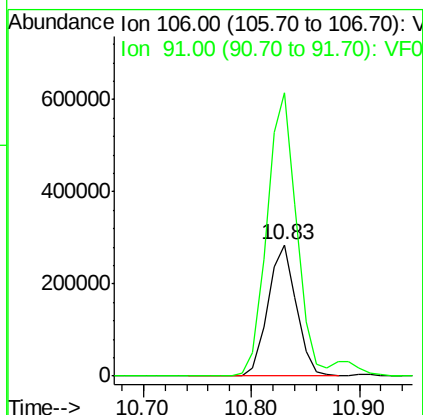
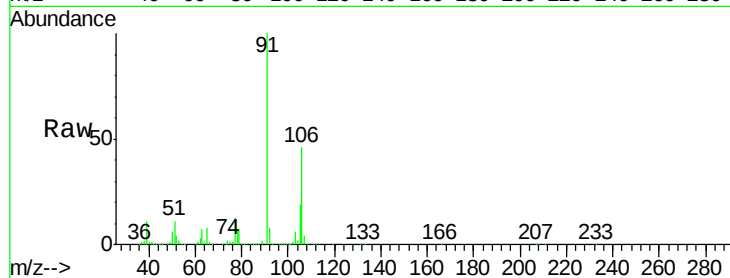




#69
o-Xylene
Concen: 97.809 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

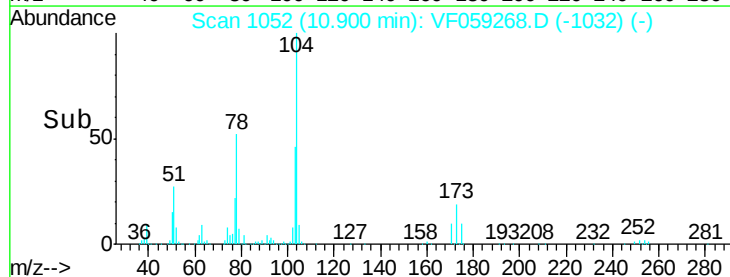
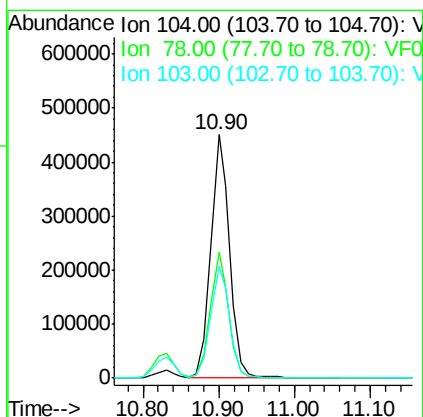
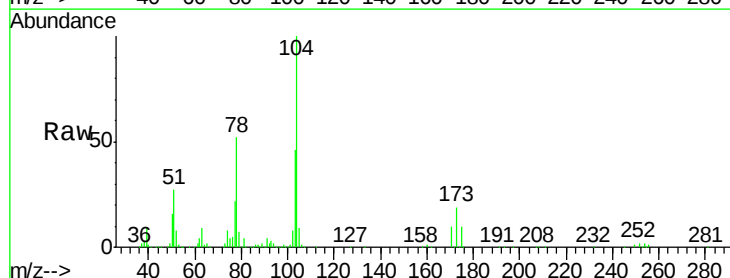
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

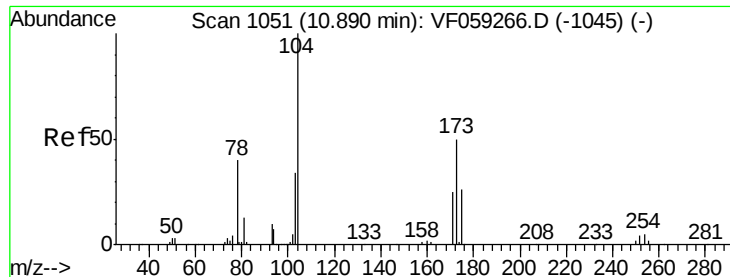
Tgt Ion:106 Resp: 526228
Ion Ratio Lower Upper
106 100
91 215.3 109.1 327.4



#70
Styrene
Concen: 97.439 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion:104 Resp: 788590
Ion Ratio Lower Upper
104 100
78 51.8 39.3 58.9
103 45.8 36.6 55.0





#71

Bromoform

Concen: 114.400 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

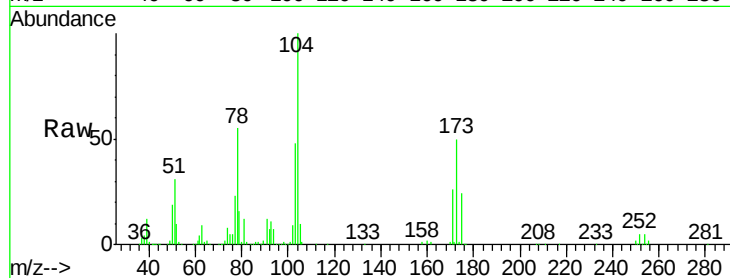
Tgt Ion:173 Resp: 240958

Ion Ratio Lower Upper

173 100

175 49.1 25.4 76.4

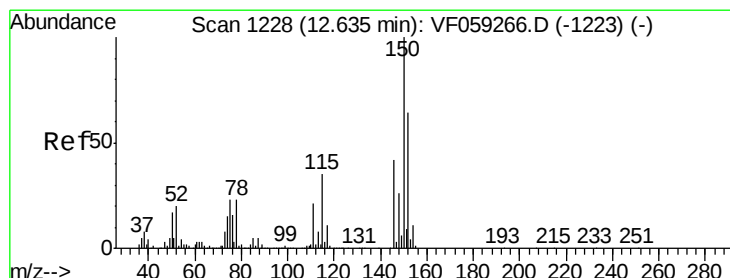
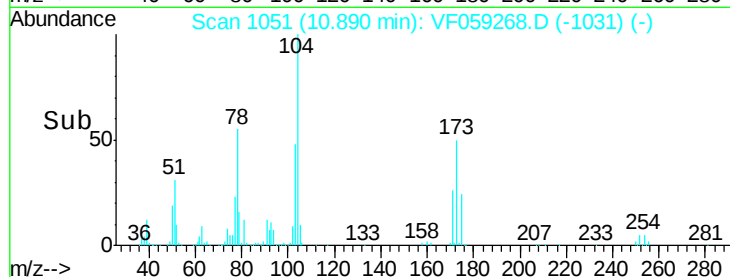
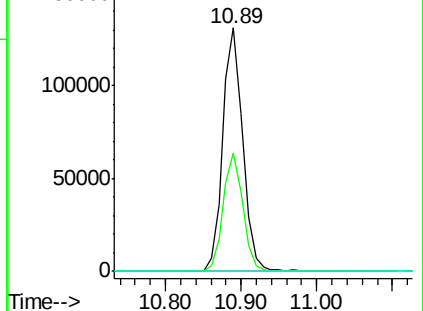
254 0.1 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

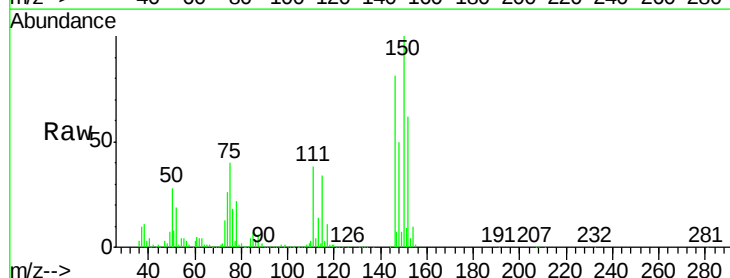
Tgt Ion:152 Resp: 229465

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.3

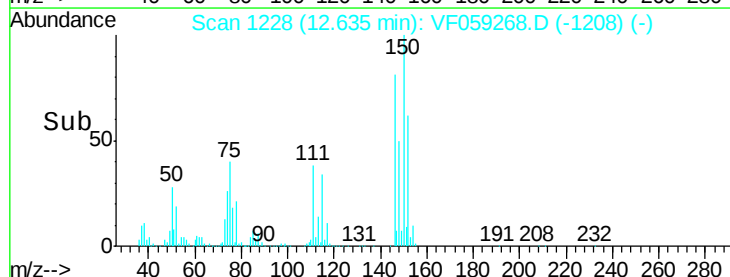
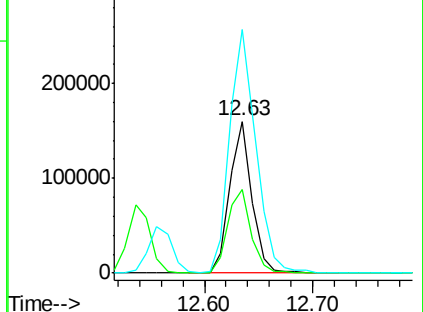
150 160.7 0.0 313.8

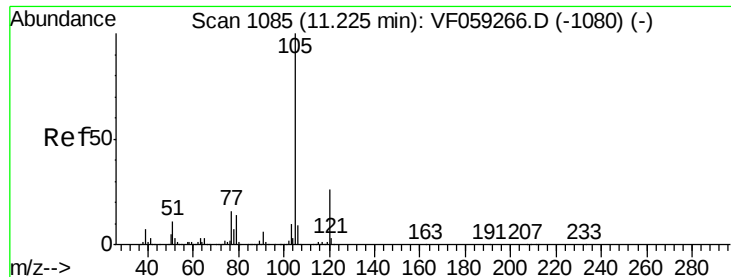


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 104.069 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

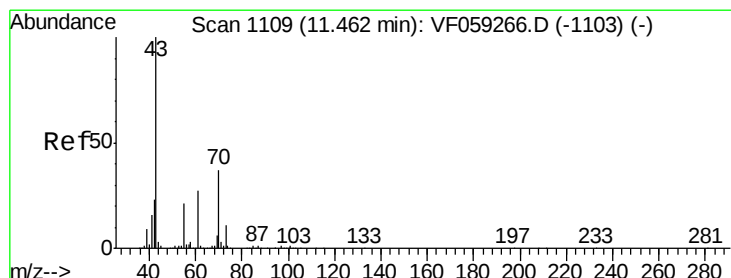
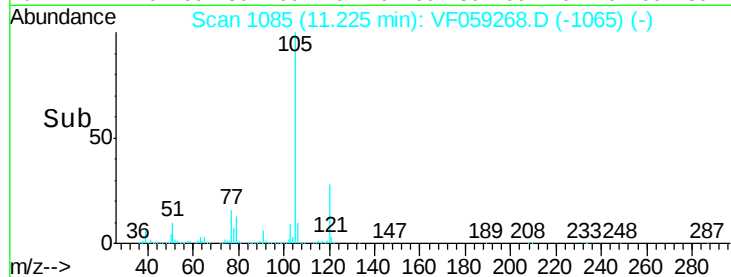
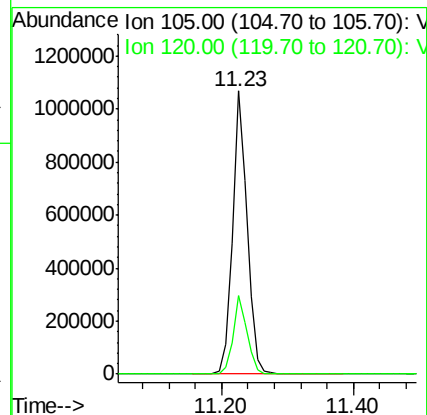
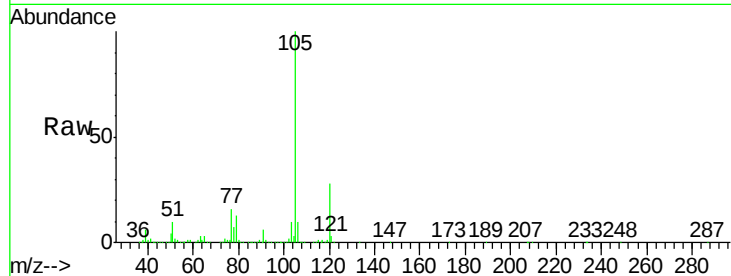
VSTDIC100

Tgt Ion:105 Resp: 1651986

Ion Ratio Lower Upper

105 100

120 27.7 12.9 38.7



#74

N-ethyl acetate

Concen: 95.108 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Tgt Ion: 43 Resp: 535332

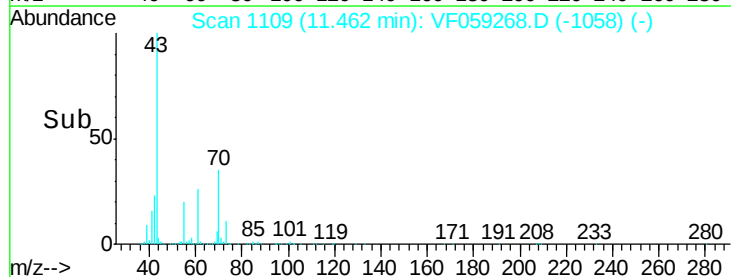
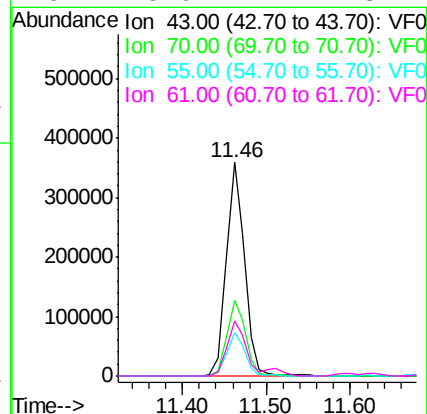
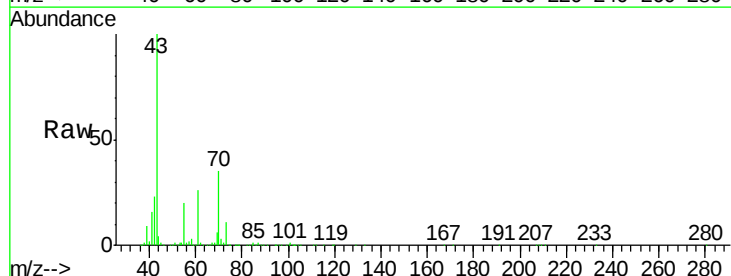
Ion Ratio Lower Upper

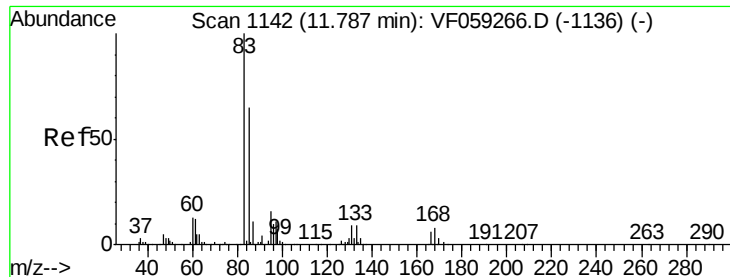
43 100

70 35.4 29.6 44.4

55 20.4 17.0 25.4

61 25.9 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 95.428 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

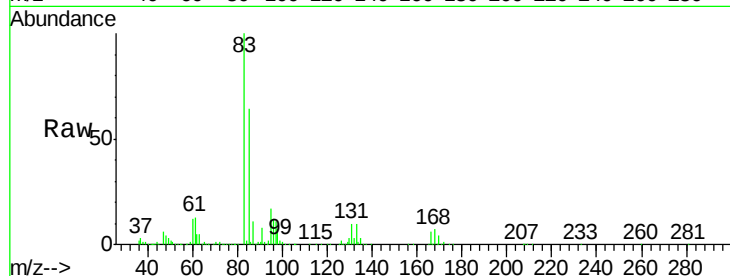
Tgt Ion: 83 Resp: 359192

Ion Ratio Lower Upper

83 100

131 10.4 4.8 14.3

85 64.1 32.4 97.2

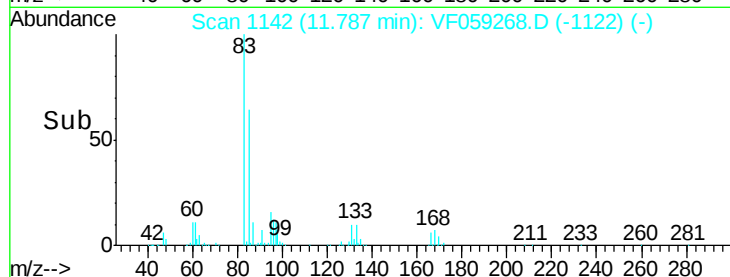


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Time-->



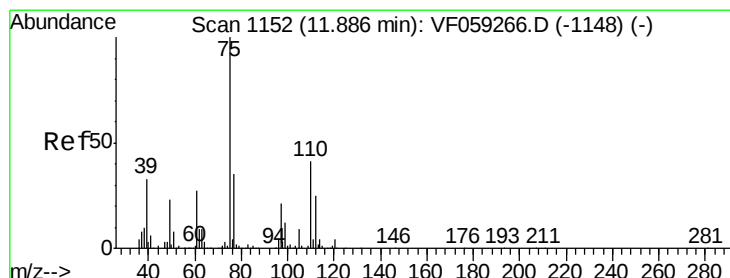
Abundance

Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Time-->



#76

1,2,3-Trichloropropane

Concen: 94.104 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF059268.D

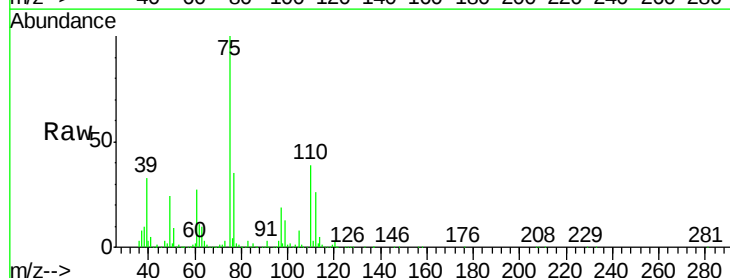
Acq: 21 Jun 2018 18:08

Tgt Ion: 75 Resp: 262188

Ion Ratio Lower Upper

75 100

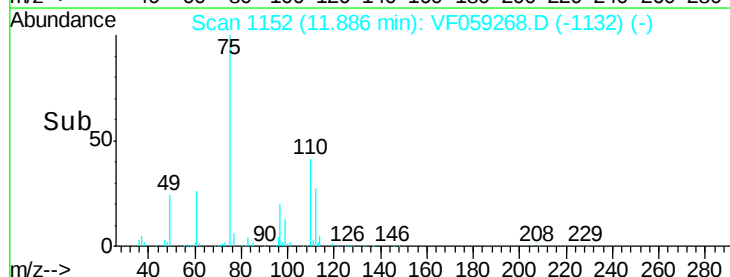
77 34.9 17.4 52.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Time-->

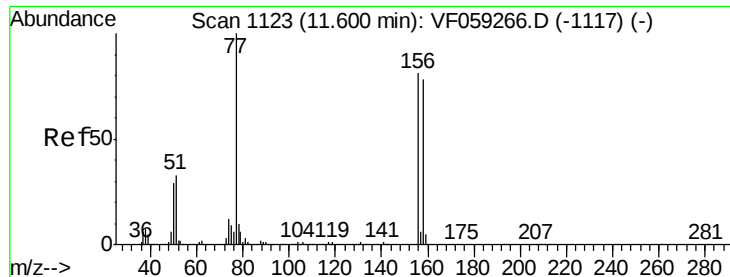


Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Time-->



#77

Bromobenzene

Concen: 101.595 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

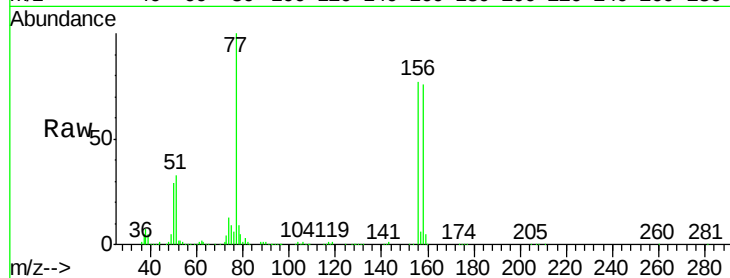
Tgt Ion:156 Resp: 411203

Ion Ratio Lower Upper

156 100

77 129.9 61.7 185.0

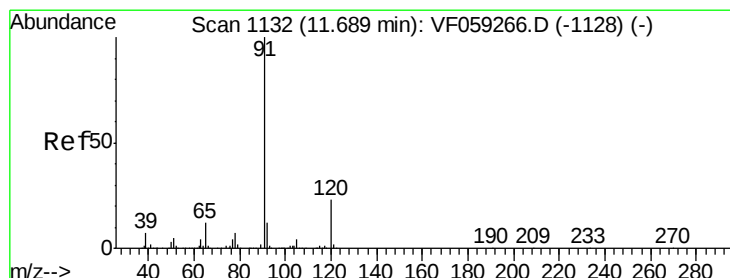
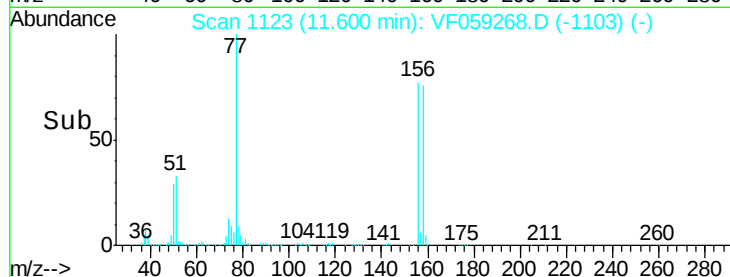
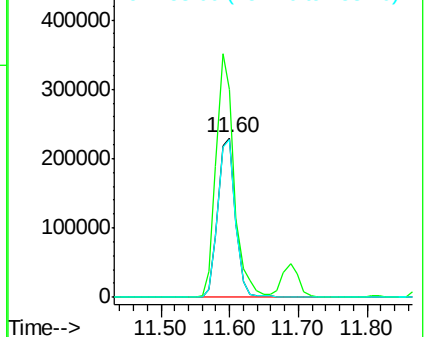
158 98.9 48.2 144.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 92.949 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF059268.D

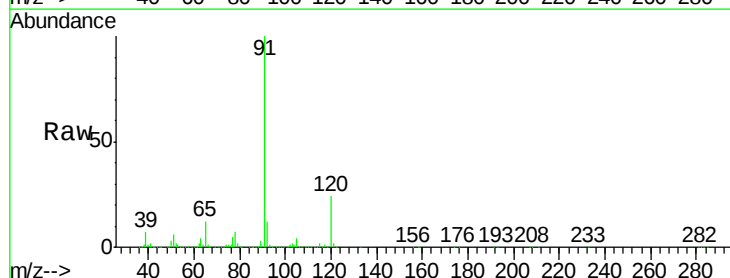
Acq: 21 Jun 2018 18:08

Tgt Ion: 91 Resp: 1747442

Ion Ratio Lower Upper

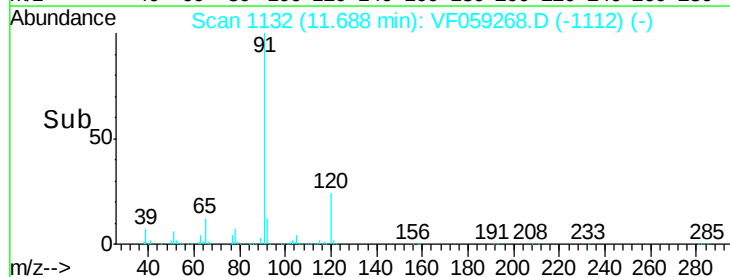
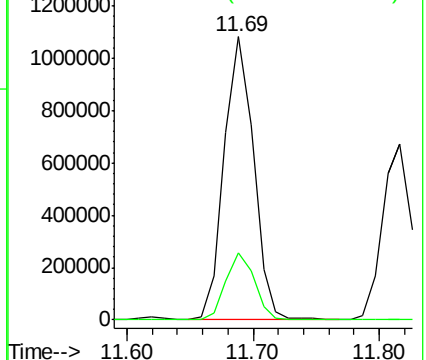
91 100

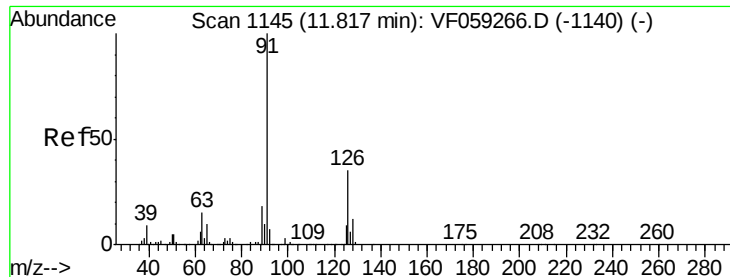
120 23.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 96.833 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

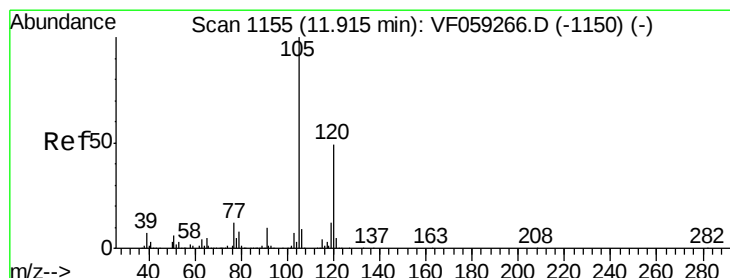
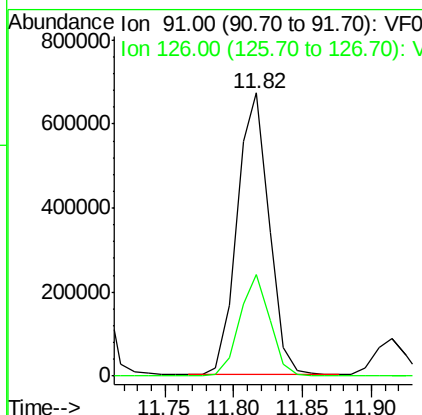
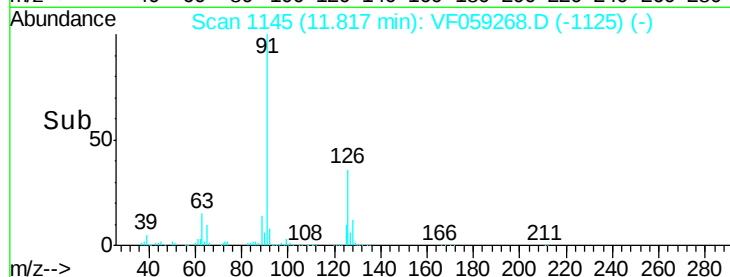
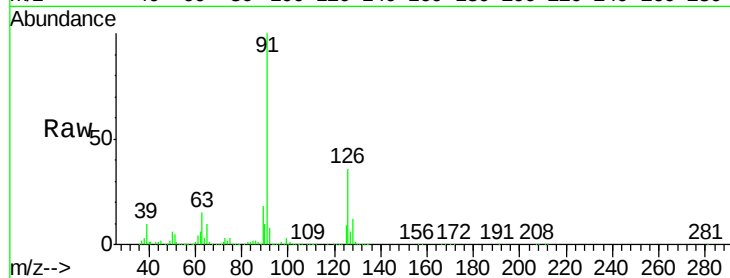
VSTDIC100

Tgt Ion: 91 Resp: 1079513

Ion Ratio Lower Upper

91 100

126 35.9 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 95.467 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VF059268.D

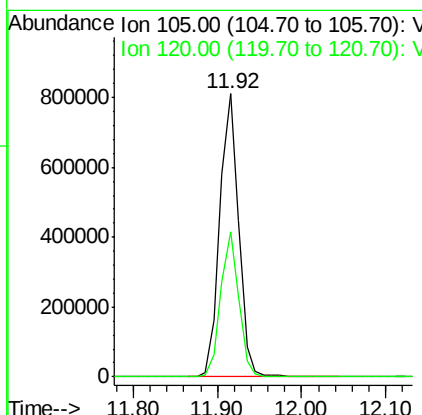
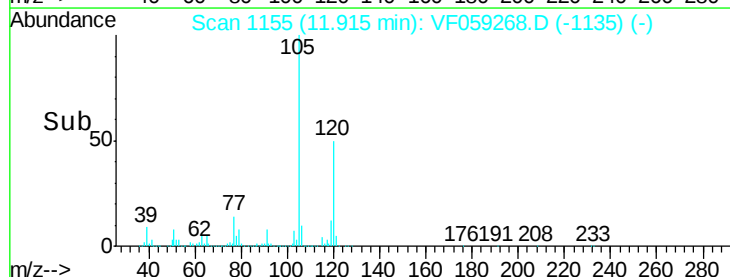
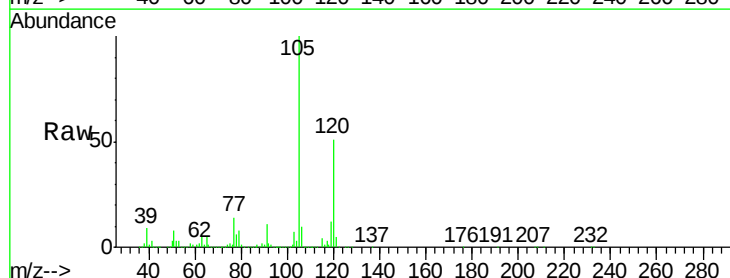
Acq: 21 Jun 2018 18:08

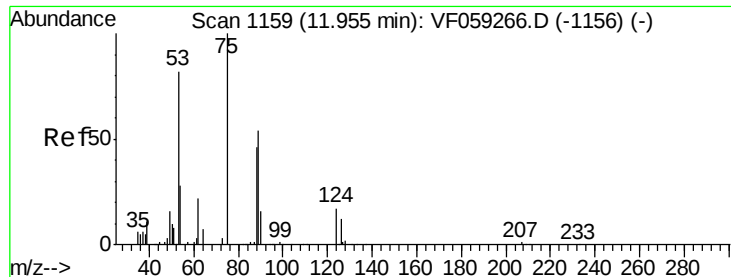
Tgt Ion: 105 Resp: 1261072

Ion Ratio Lower Upper

105 100

120 51.2 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 94.623 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

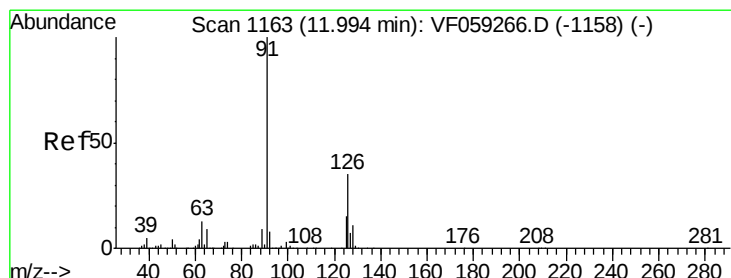
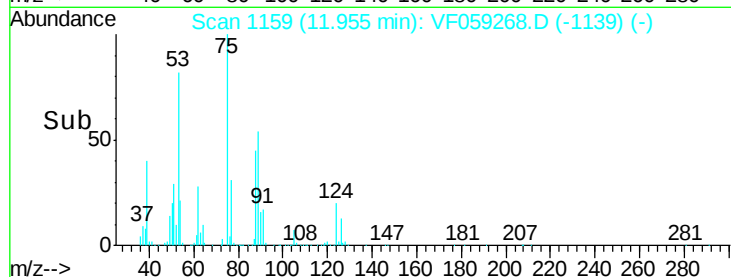
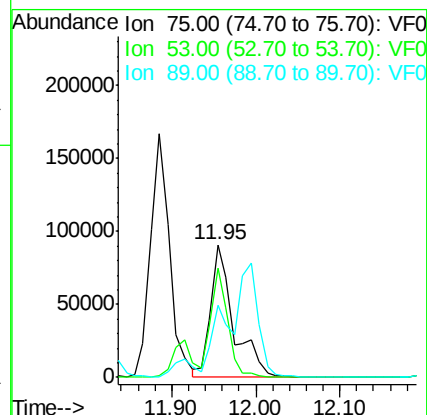
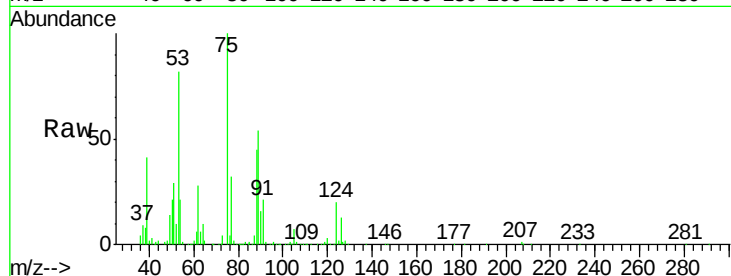
Tgt Ion: 75 Resp: 171684

Ion Ratio Lower Upper

75 100

53 81.9 70.2 105.2

89 54.1 45.3 67.9



#82

4-Chlorotoluene

Concen: 94.649 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VF059268.D

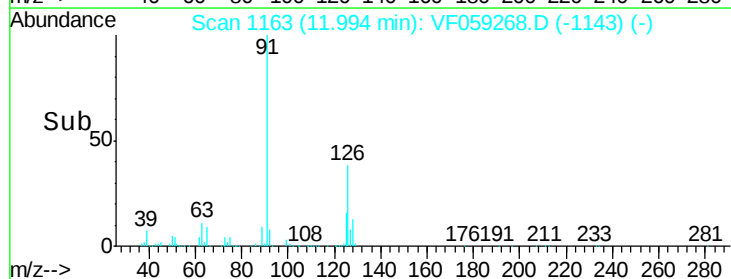
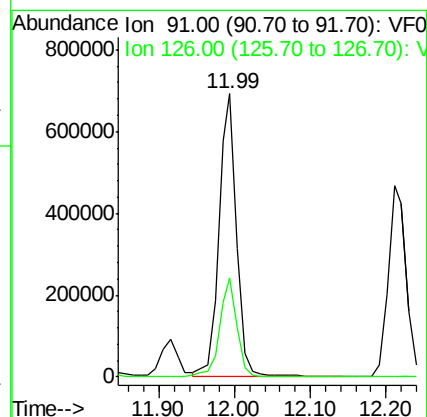
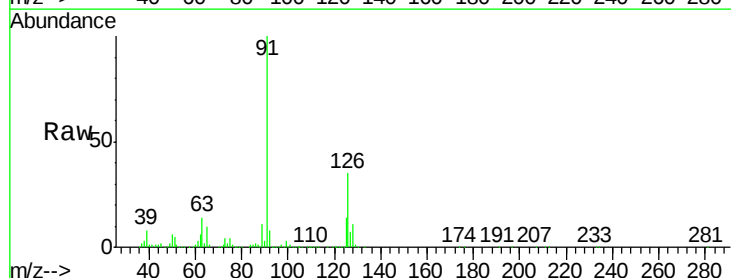
Acq: 21 Jun 2018 18:08

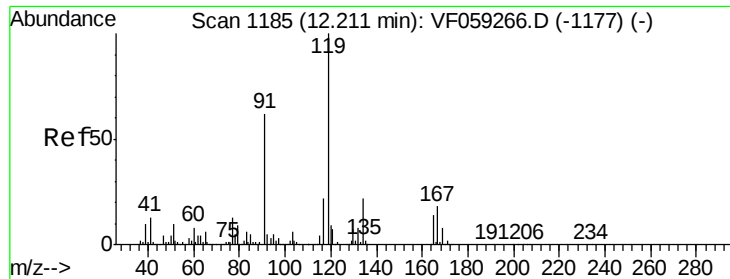
Tgt Ion: 91 Resp: 1124666

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.8

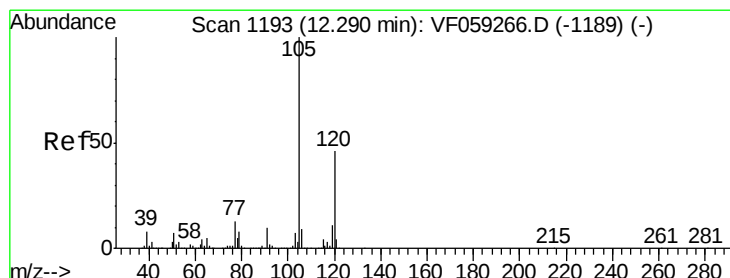
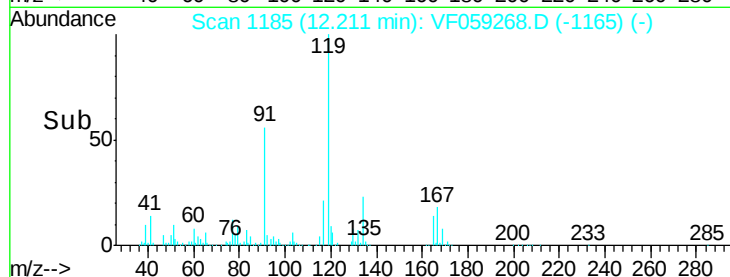
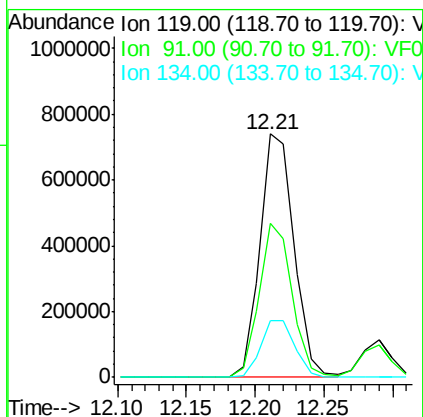
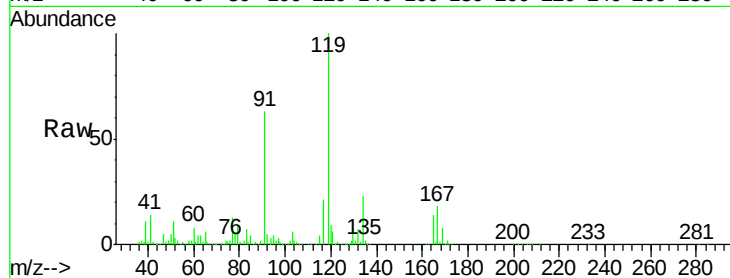




#83
tert-Butylbenzene
Concen: 96.874 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

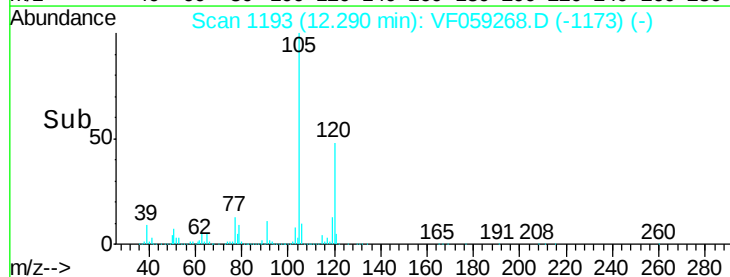
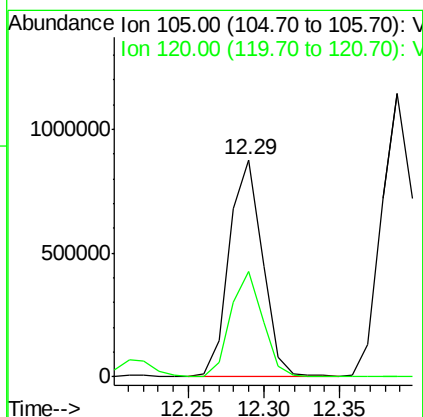
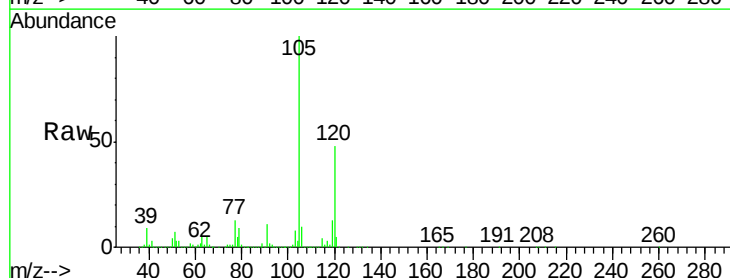
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

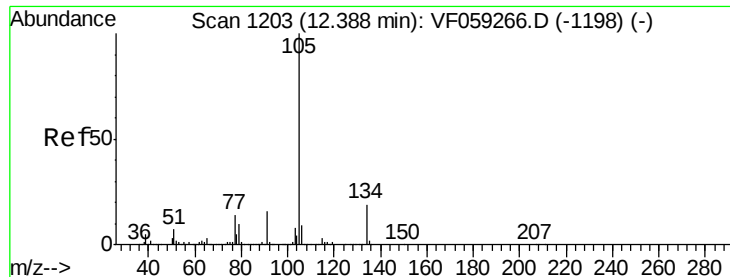
Tgt Ion:119 Resp: 1276675
Ion Ratio Lower Upper
119 100
91 63.2 31.3 93.8
134 23.3 11.3 33.8



#84
1,2,4-Trimethylbenzene
Concen: 98.362 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion:105 Resp: 1338204
Ion Ratio Lower Upper
105 100
120 48.4 22.8 68.4

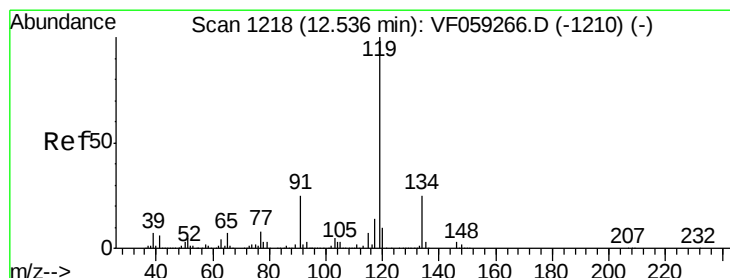
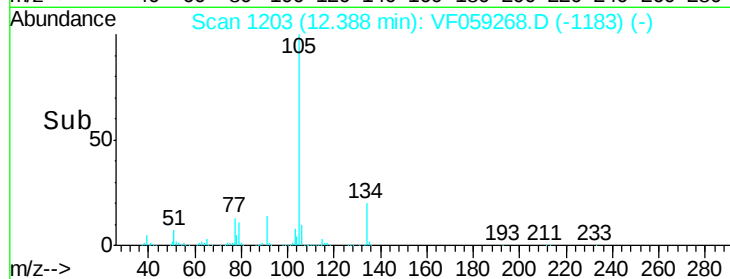
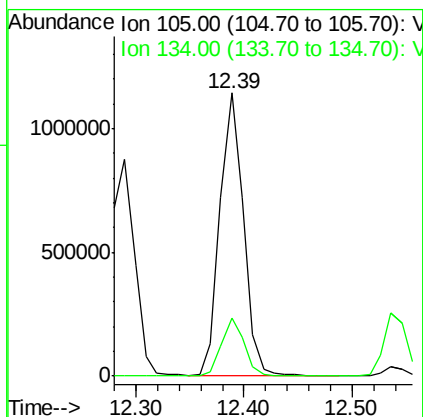
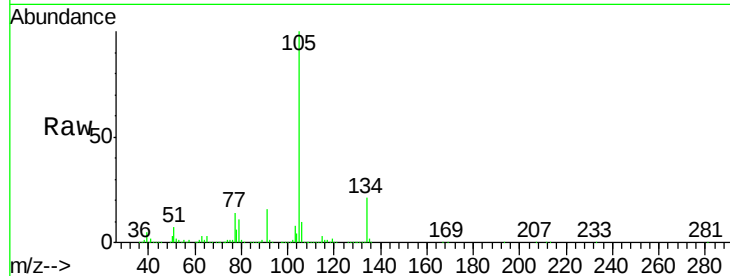




#85
 sec-Butylbenzene
 Concen: 97.369 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

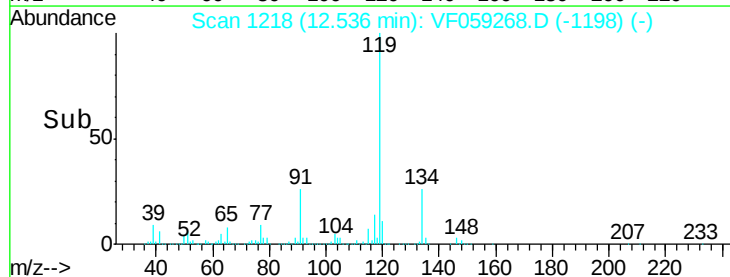
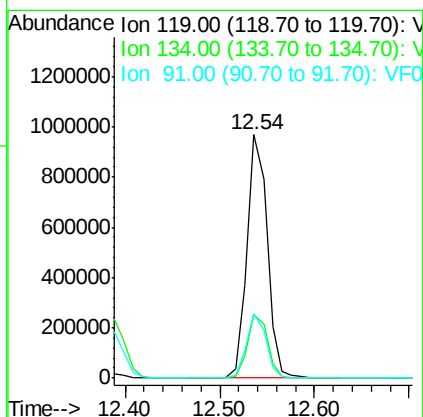
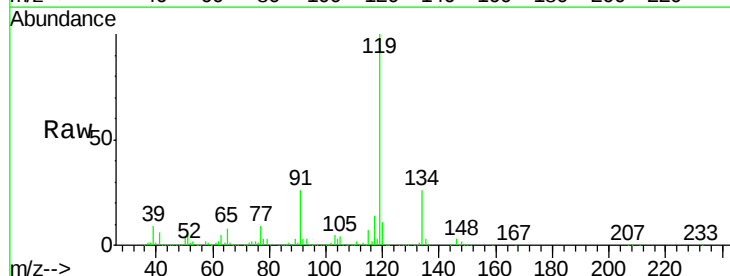
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

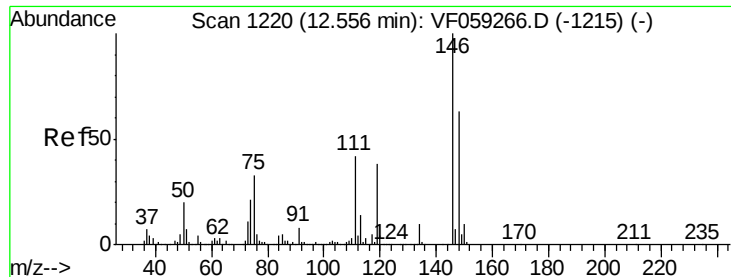
Tgt Ion:105 Resp: 1728543
 Ion Ratio Lower Upper
 105 100
 134 20.7 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 97.925 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Tgt Ion:119 Resp: 1431776
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.6 37.8
 91 26.4 12.6 37.8

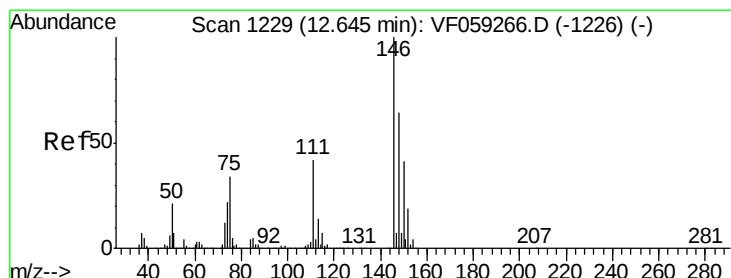
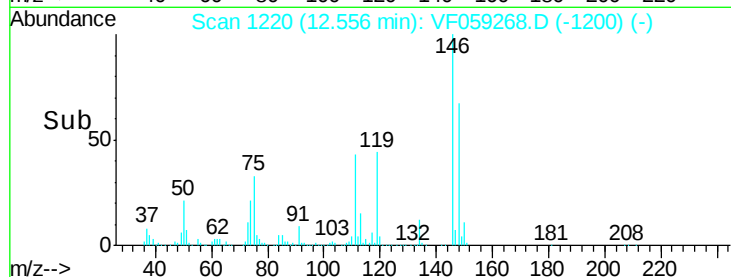
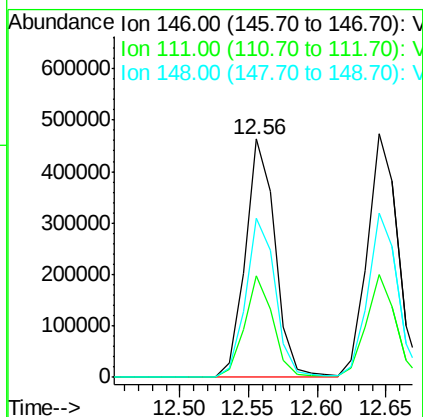
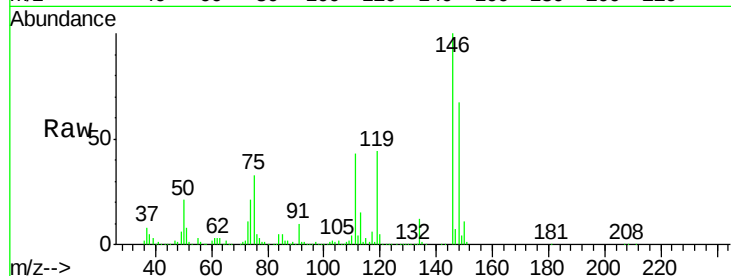




#87
 1,3-Dichlorobenzene
 Concen: 94.493 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

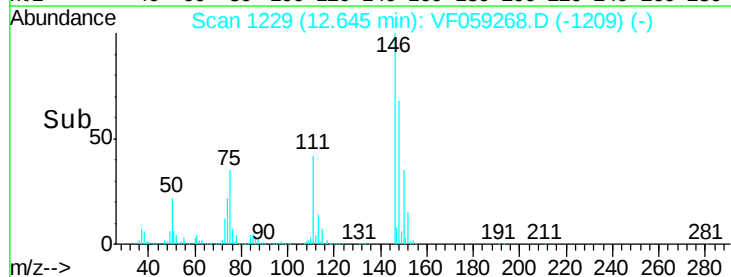
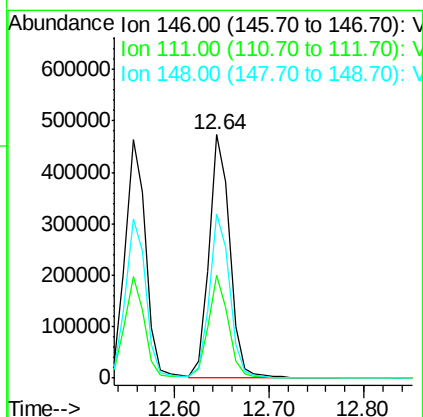
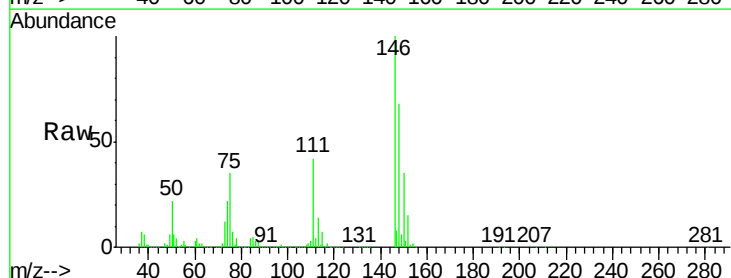
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

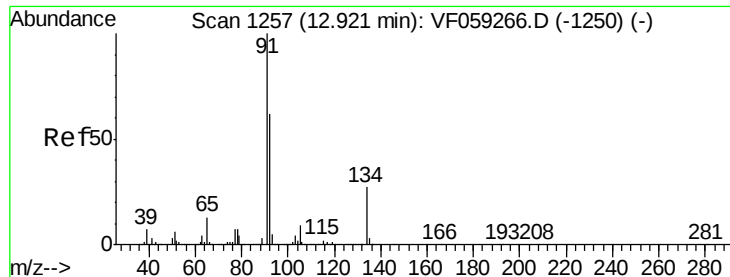
Tgt Ion:146 Resp: 703827
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.0 63.0
 148 66.8 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 101.132 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Tgt Ion:146 Resp: 726677
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.3 63.9
 148 67.6 32.0 96.2





#89

n-Butylbenzene

Concen: 90.920 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

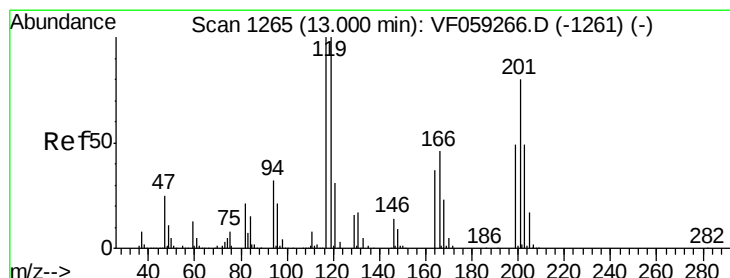
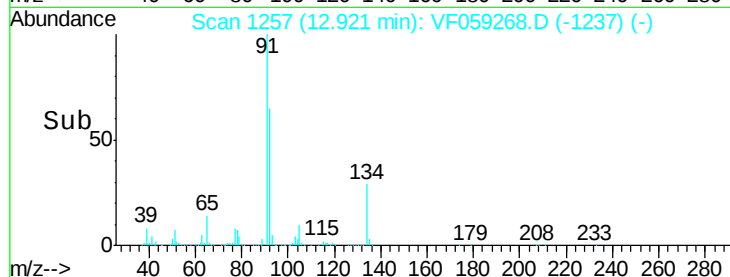
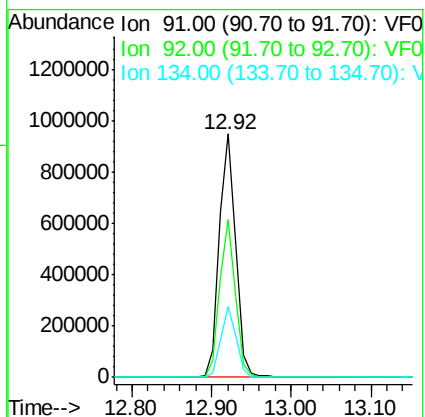
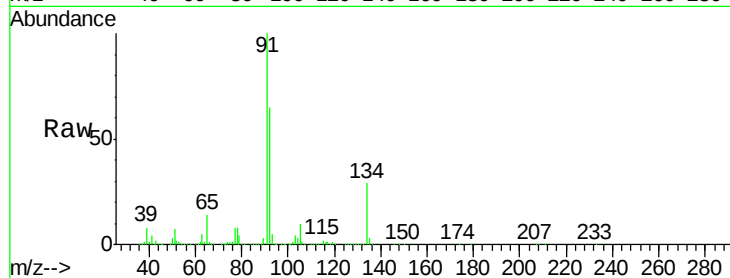
Tgt Ion: 91 Resp: 1382103

Ion Ratio Lower Upper

91 100

92 65.0 31.2 93.6

134 28.8 13.4 40.1



#90

Hexachloroethane

Concen: 101.487 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF059268.D

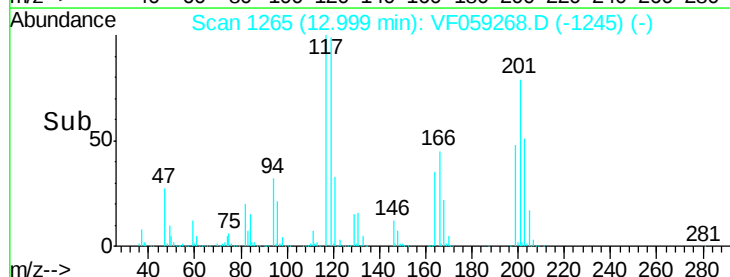
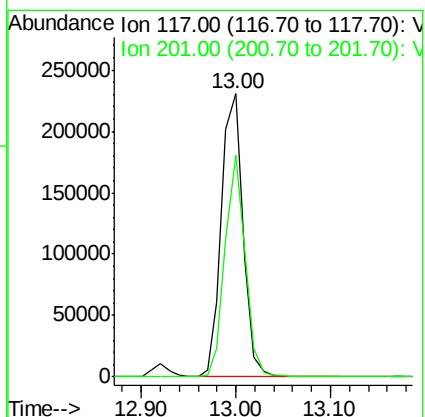
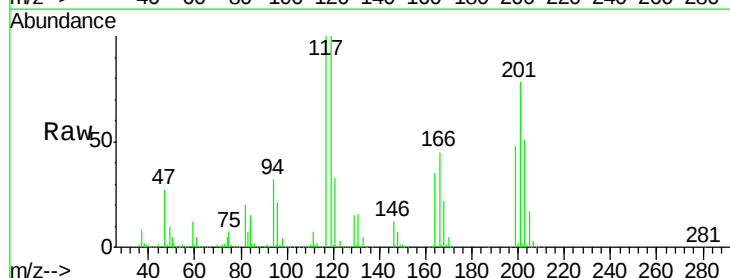
Acq: 21 Jun 2018 18:08

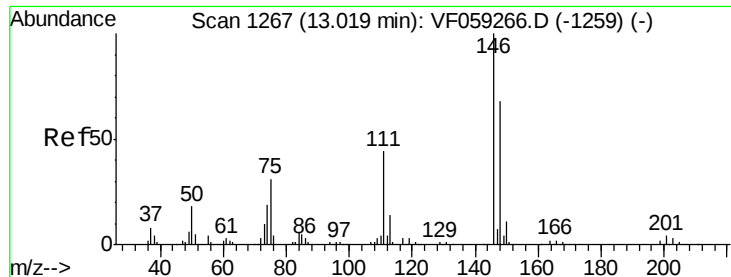
Tgt Ion: 117 Resp: 364608

Ion Ratio Lower Upper

117 100

201 78.3 39.8 119.3

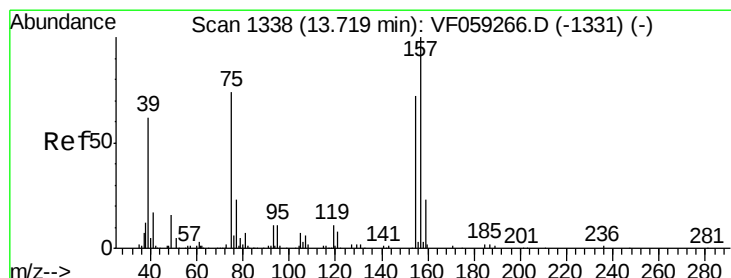
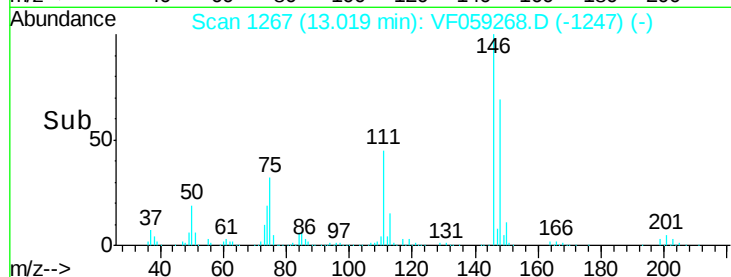
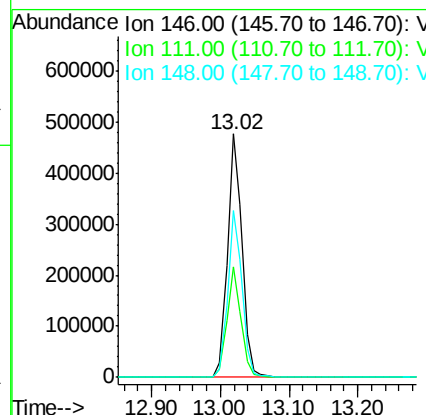
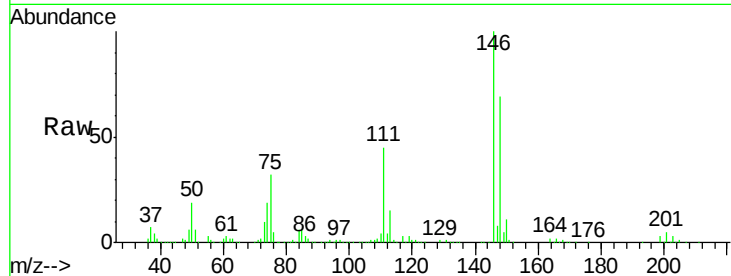




#91
 1,2-Dichlorobenzene
 Concen: 96.880 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

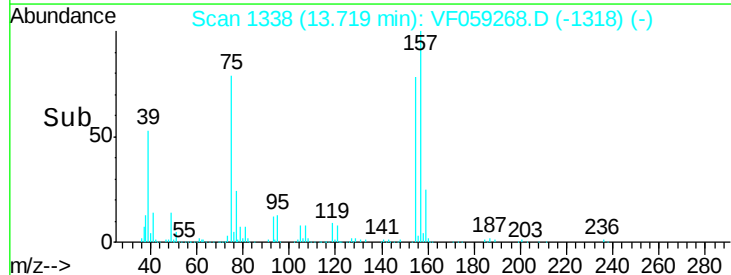
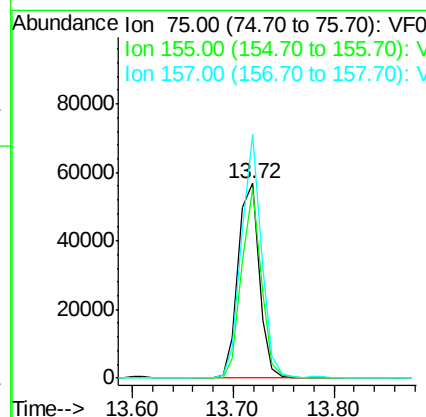
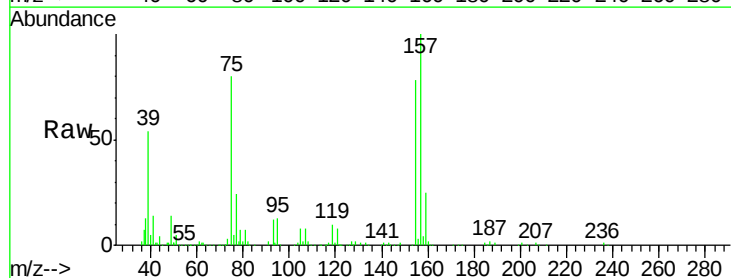
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

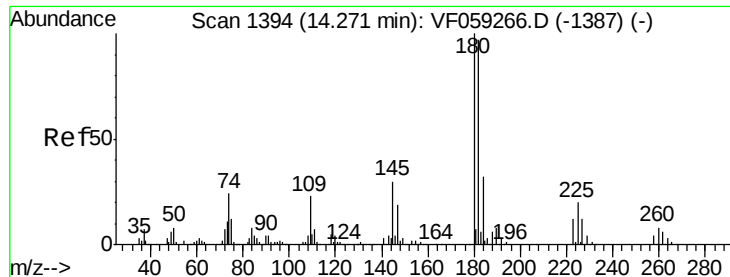
Tgt Ion:146 Resp: 694414
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.1 66.3
 148 68.8 34.0 102.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 111.239 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Tgt Ion: 75 Resp: 83474
 Ion Ratio Lower Upper
 75 100
 155 97.9 48.3 144.9
 157 125.1 67.2 201.6

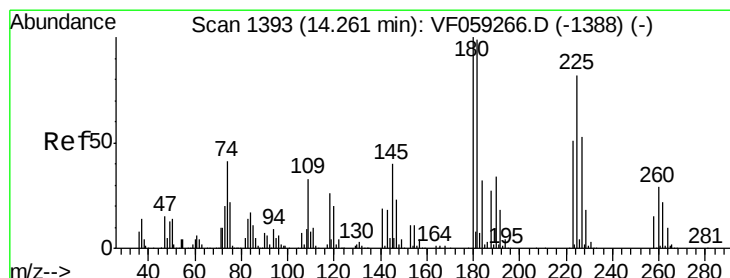
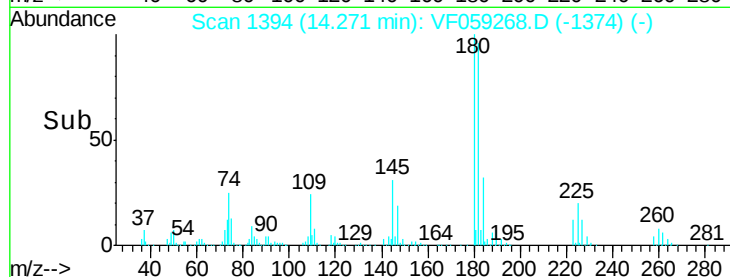
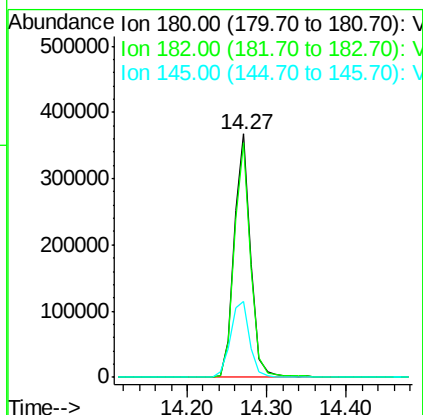
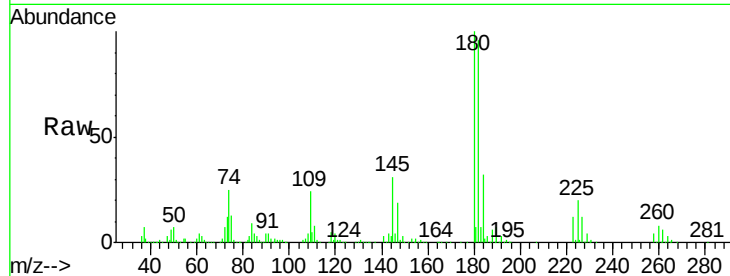




#93
 1,2,4-Trichlorobenzene
 Concen: 104.418 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

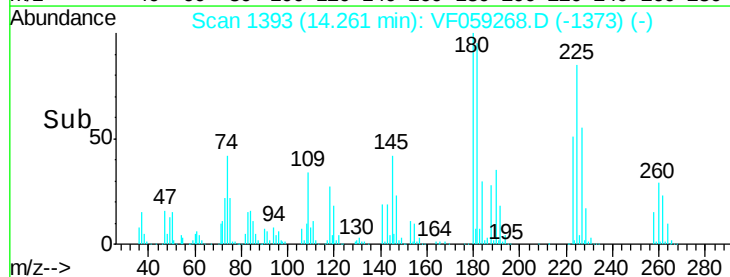
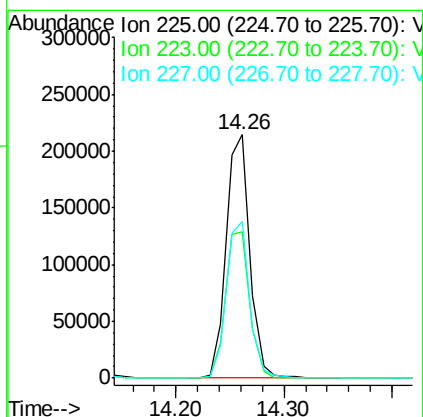
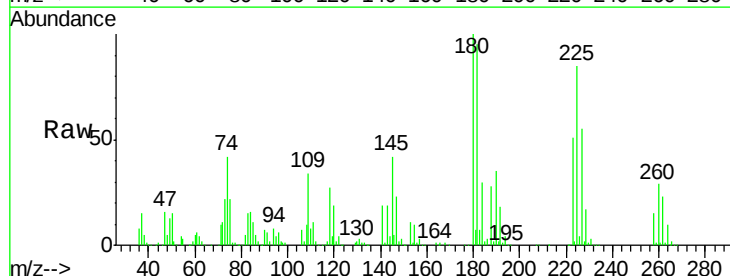
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

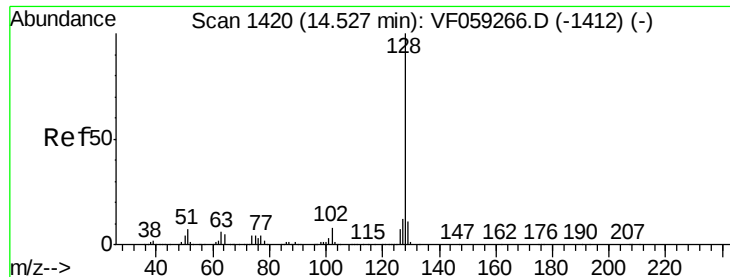
Tgt Ion:180 Resp: 532780
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.6 145.9
 145 31.1 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 110.793 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Tgt Ion:225 Resp: 326186
 Ion Ratio Lower Upper
 225 100
 223 60.0 30.7 92.1
 227 64.2 32.0 96.2

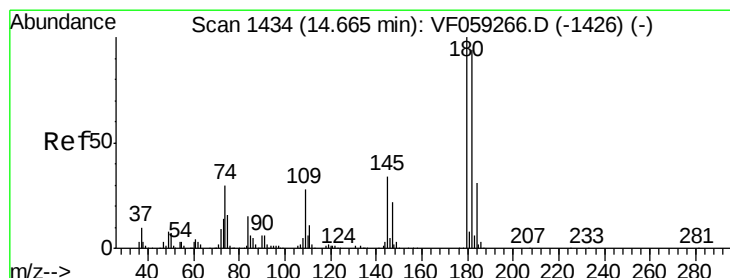
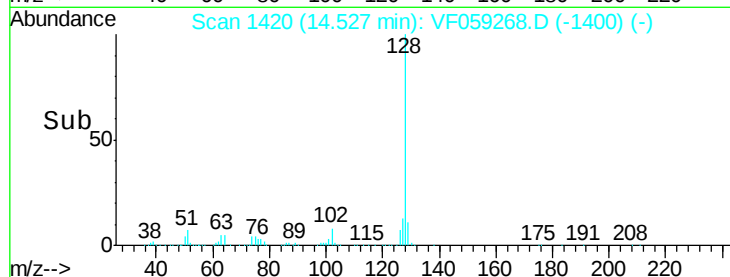
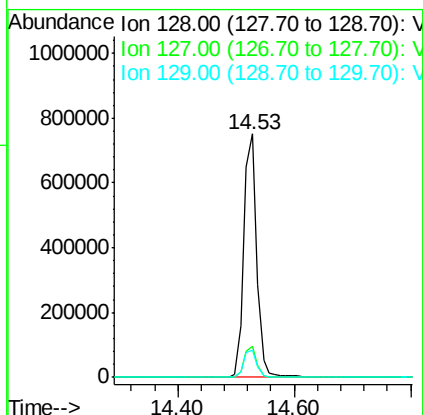
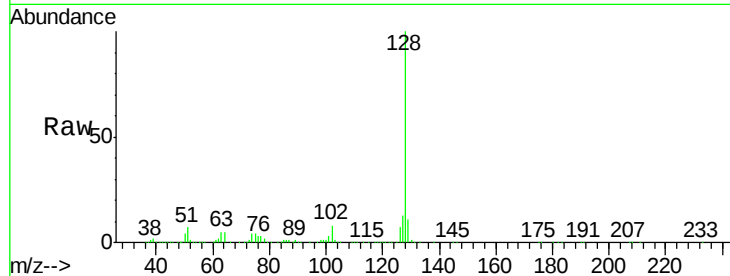




#95
Naphthalene
Concen: 106.397 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 1160479
Ion Ratio Lower Upper
128 100
127 12.6 9.6 14.4
129 11.4 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 110.978 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion:180 Resp: 523816
Ion Ratio Lower Upper
180 100
182 96.5 46.9 140.7
145 33.4 17.0 50.9

