

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
 Data File : VF059279.D
 Acq On : 22 Jun 2018 17:25
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 23 04:34:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	253671	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	398685	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	396622	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	241836	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	176822	48.56	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	97.12%	
35) Dibromofluoromethane	4.28	113	150919	44.99	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	89.98%	
50) Toluene-d8	7.70	98	404545	47.41	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	94.82%	
62) 4-Bromofluorobenzene	11.50	95	224921	47.54	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	95.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	142038	48.095	ug/l	92
3) Chloromethane	1.08	50	90658	48.728	ug/l	98
4) Vinyl Chloride	1.14	62	100024	54.222	ug/l	99
5) Bromomethane	1.34	94	69561	53.387	ug/l	95
6) Chloroethane	1.42	64	55181	61.321	ug/l	98
7) Trichlorofluoromethane	1.49	101	62992	17.438	ug/l	90
8) Diethyl Ether	1.69	74	45192	55.581	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.90	101	105302	52.236	ug/l	90
10) Methyl Iodide	1.96	142	200894	54.520	ug/l	86
11) Tert butyl alcohol	2.66	59	52477	247.322	ug/l	96
12) 1,1-Dichloroethene	1.85	96	96922	53.912	ug/l	90
13) Acrolein	2.08	56	44774	270.256	ug/l	91
14) Allyl chloride	2.18	41	170060	51.244	ug/l	99
15) Acrylonitrile	3.06	53	96611	270.789	ug/l	94
16) Acetone	2.32	43	259440	301.465	ug/l	98
17) Carbon Disulfide	1.84	76	232829	53.315	ug/l	98
18) Methyl Acetate	2.43	43	78425	48.334	ug/l	97
19) Methyl tert-butyl Ether	2.52	73	317726	52.683	ug/l	94
20) Methylene Chloride	2.26	84	59794	33.778	ug/l	91
21) trans-1,2-Dichloroethene	2.40	96	103004	54.882	ug/l	93
22) Diisopropyl ether	2.92	45	360752	52.395	ug/l	96
23) Vinyl Acetate	3.32	43	1052659	239.028	ug/l	99
24) 1,1-Dichloroethane	2.98	63	223546	50.081	ug/l	98
25) 2-Butanone	4.49	43	281514	245.221	ug/l	98
26) 2,2-Dichloropropane	3.74	77	156766	50.395	ug/l	91
27) cis-1,2-Dichloroethene	3.62	96	144780	50.777	ug/l	97
28) Bromochloromethane	3.87	49	91785	55.864	ug/l	98
29) Tetrahydrofuran	4.23	42	112947	219.124	ug/l	96
30) Chloroform	4.02	83	317611	49.142	ug/l	97
31) Cyclohexane	3.85	56	155873	50.730	ug/l	91
32) 1,1,1-Trichloroethane	4.26	97	237442	48.659	ug/l	95
36) 1,1-Dichloropropene	4.44	75	209296	49.954	ug/l	98
37) Ethyl Acetate	4.28	43	121312	45.314	ug/l	85
38) Carbon Tetrachloride	4.16	117	275303	53.493	ug/l #	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
 Data File : VF059279.D
 Acq On : 22 Jun 2018 17:25
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 23 04:34:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	188492	50.273	ug/l	90
40) Benzene	4.80	78	446377	50.210	ug/l	98
41) Methacrylonitrile	4.91	41	59897	46.833	ug/l	94
42) 1,2-Dichloroethane	5.10	62	245711	47.980	ug/l	100
43) Isopropyl Acetate	7.09	43	158795	48.405	ug/l	99
44) Trichloroethene	5.66	130	147080	47.739	ug/l	84
45) 1,2-Dichloropropane	6.38	63	131176	50.578	ug/l	98
46) Dibromomethane	6.24	93	103925	47.479	ug/l	88
47) Bromodichloromethane	6.53	83	260804	49.763	ug/l	100
48) Methyl methacrylate	6.86	41	104783	50.455	ug/l	92
49) 1,4-Dioxane	6.85	88	10527	874.018	ug/l #	82
51) 4-Methyl-2-Pentanone	8.39	43	546995	233.808	ug/l	99
52) Toluene	7.76	92	316889	46.187	ug/l	92
53) t-1,3-Dichloropropene	8.42	75	231772	47.105	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	255643	49.211	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	126139	47.626	ug/l	94
56) Ethyl methacrylate	8.75	69	149871	49.490	ug/l	97
57) 1,3-Dichloropropane	8.99	76	211863	48.364	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	56338	232.634	ug/l	100
59) 2-Hexanone	9.62	43	489019	263.652	ug/l	96
60) Dibromochloromethane	8.85	129	195005	50.038	ug/l	93
61) 1,2-Dibromoethane	9.12	107	148677	48.730	ug/l	98
64) Tetrachloroethene	8.29	164	140545	46.140	ug/l	91
65) Chlorobenzene	9.92	112	431799	51.161	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	172311	49.008	ug/l	97
67) Ethyl Benzene	10.02	91	704920	49.202	ug/l	98
68) m/p-Xylenes	10.26	106	502036	97.482	ug/l	99
69) o-Xylene	10.82	106	285416	50.177	ug/l	99
70) Styrene	10.89	104	451145	52.607	ug/l	99
71) Bromoform	10.88	173	126736	50.544	ug/l #	95
73) Isopropylbenzene	11.22	105	840021	50.425	ug/l	99
74) N-amyl acetate	11.45	43	288333	53.007	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	190477	48.731	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	144640	50.538	ug/l	97
77) Bromobenzene	11.59	156	219218	48.707	ug/l	93
78) n-propylbenzene	11.68	91	991597	50.308	ug/l	99
79) 2-Chlorotoluene	11.81	91	584272	49.440	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	714097	50.699	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	89967	49.087	ug/l	95
82) 4-Chlorotoluene	11.98	91	633432	49.901	ug/l	98
83) tert-Butylbenzene	12.21	119	713744	50.063	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	763053	51.433	ug/l	100
85) sec-Butylbenzene	12.38	105	924259	48.582	ug/l	99
86) p-Isopropyltoluene	12.53	119	807750	51.495	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	392684	48.658	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	407091	51.082	ug/l	99
89) n-Butylbenzene	12.91	91	814593	50.996	ug/l	99
90) Hexachloroethane	12.99	117	198245	50.558	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	397313	49.643	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	40016	47.407	ug/l	99

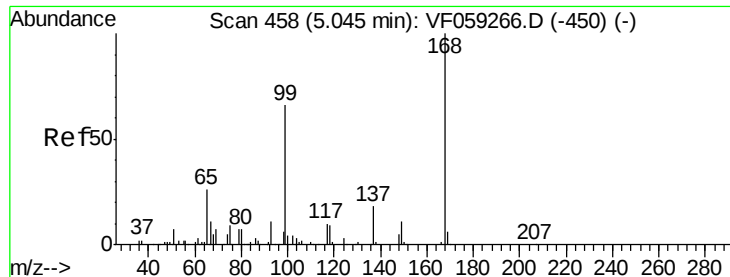
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
Data File : VF059279.D
Acq On : 22 Jun 2018 17:25
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Quant Time: Jun 23 04:34:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 22 05:22:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	290069	49.619	ug/l	98
94) Hexachlorobutadiene	14.25	225	176201	50.856	ug/l	99
95) Naphthalene	14.52	128	614629	51.200	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	281760	51.222	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

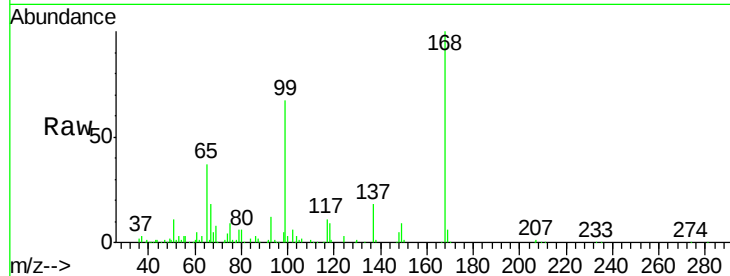
VSTDCCC050

Tgt Ion:168 Resp: 253671

Ion Ratio Lower Upper

168 100

99 67.5 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

100000

80000

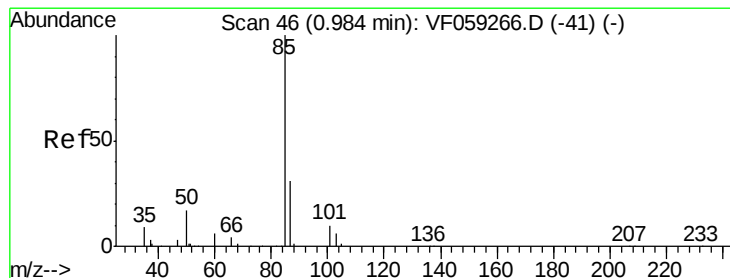
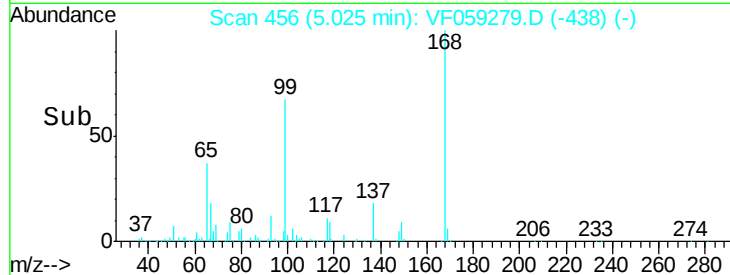
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.095 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059279.D

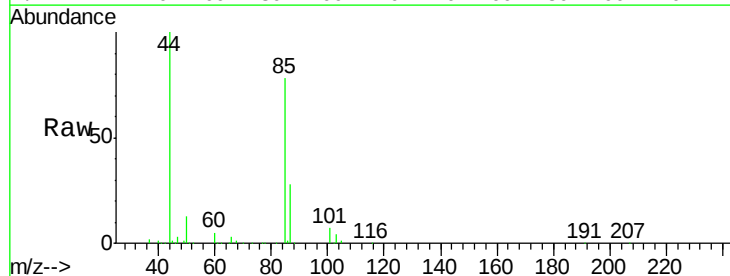
Acq: 22 Jun 2018 17:25

Tgt Ion: 85 Resp: 142038

Ion Ratio Lower Upper

85 100

87 35.6 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

40000

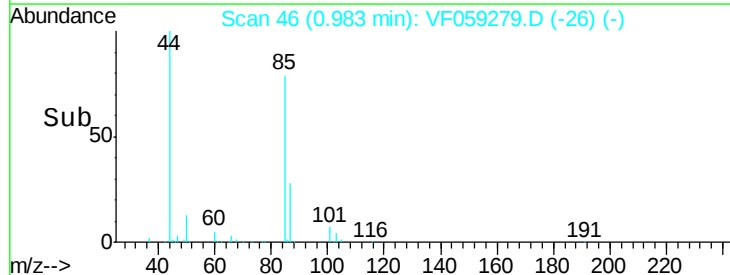
30000

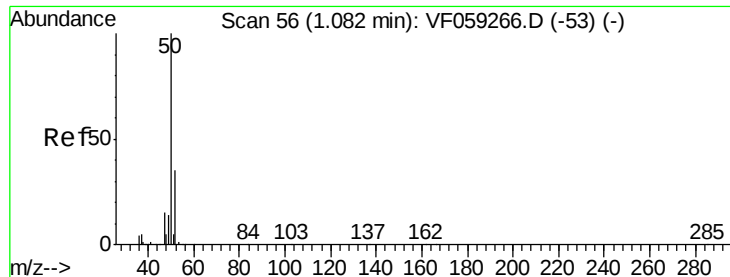
20000

10000

0

Time-->





#3

Chloromethane

Concen: 48.728 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

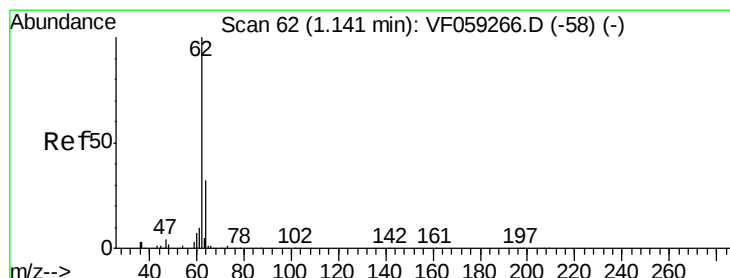
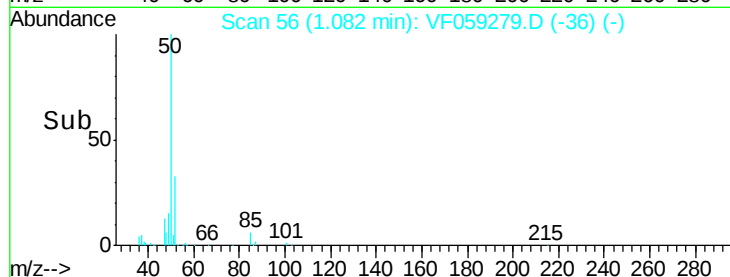
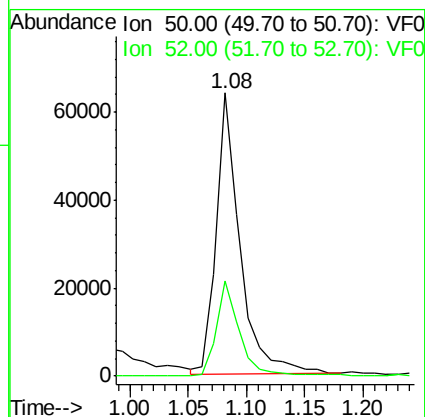
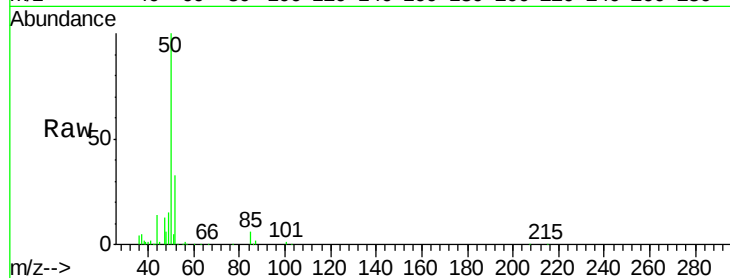
VSTDCCC050

Tgt Ion: 50 Resp: 90658

Ion Ratio Lower Upper

50 100

52 33.4 27.7 41.5



#4

Vinyl Chloride

Concen: 54.222 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059279.D

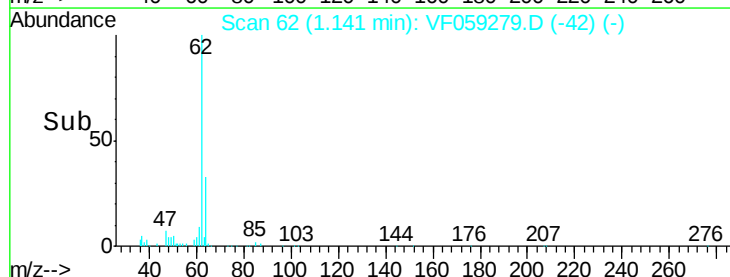
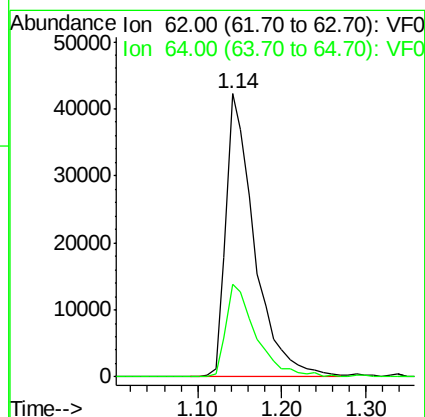
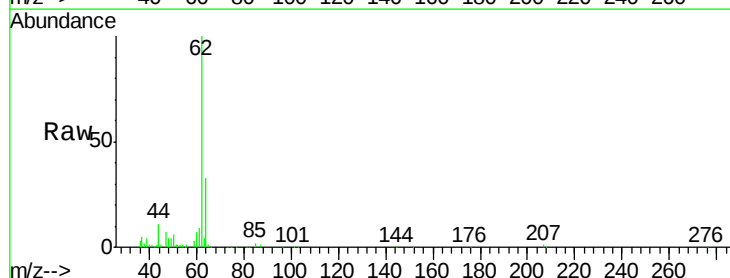
Acq: 22 Jun 2018 17:25

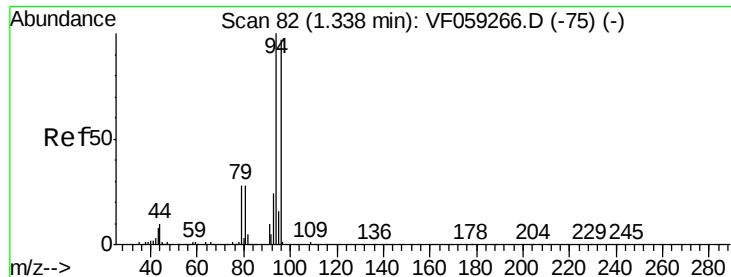
Tgt Ion: 62 Resp: 100024

Ion Ratio Lower Upper

62 100

64 32.6 25.7 38.5





#5

Bromomethane

Concen: 53.387 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

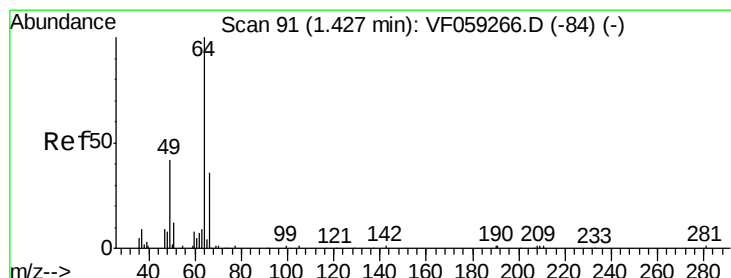
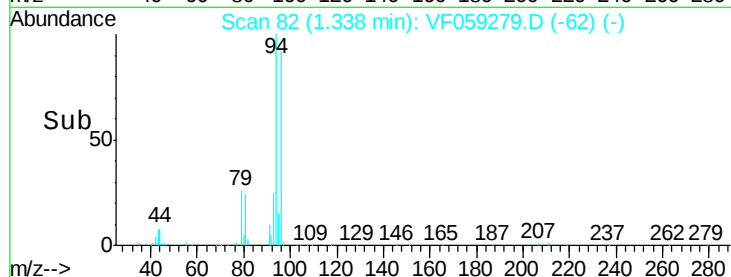
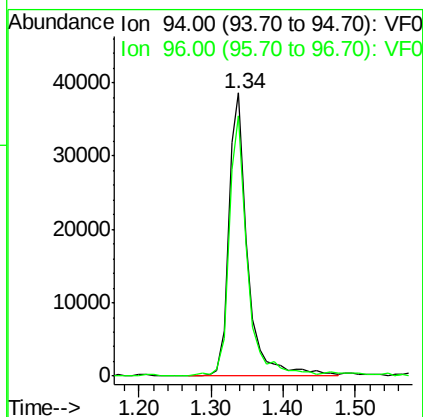
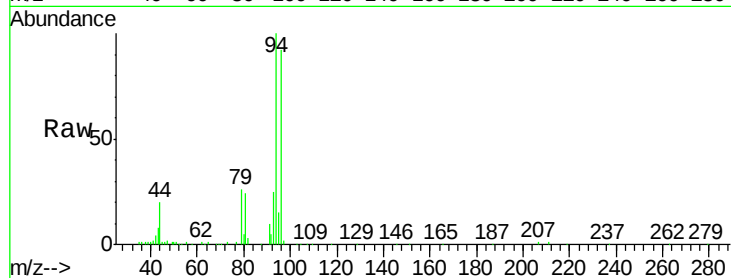
VSTDCCC050

Tgt Ion: 94 Resp: 69561

Ion Ratio Lower Upper

94 100

96 92.0 77.7 116.5



#6

Chloroethane

Concen: 61.321 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059279.D

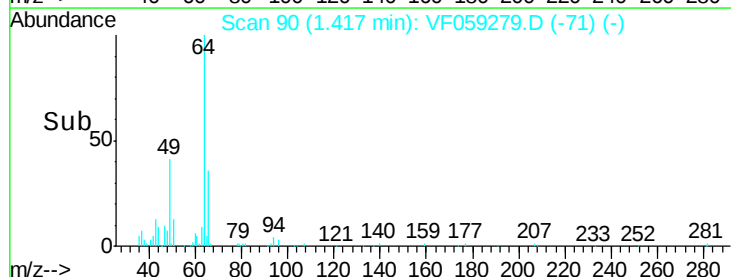
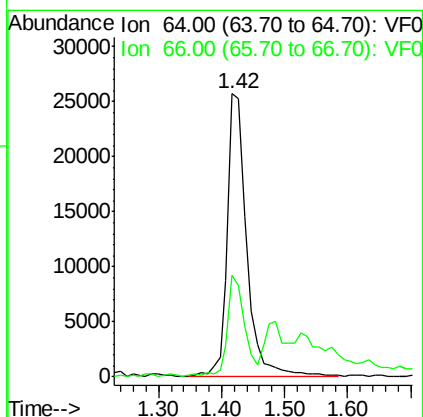
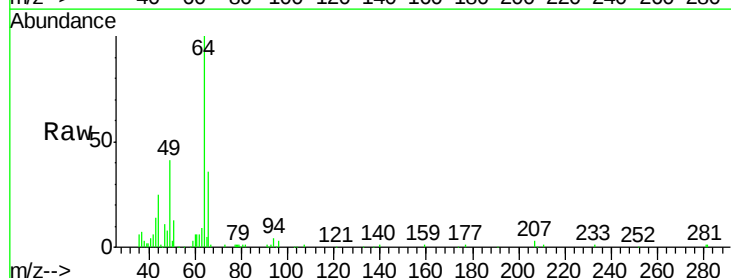
Acq: 22 Jun 2018 17:25

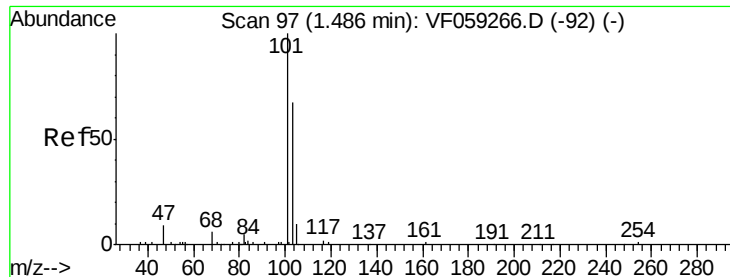
Tgt Ion: 64 Resp: 55181

Ion Ratio Lower Upper

64 100

66 35.7 29.4 44.2





#7

Trichlorofluoromethane

Concen: 17.438 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.00 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

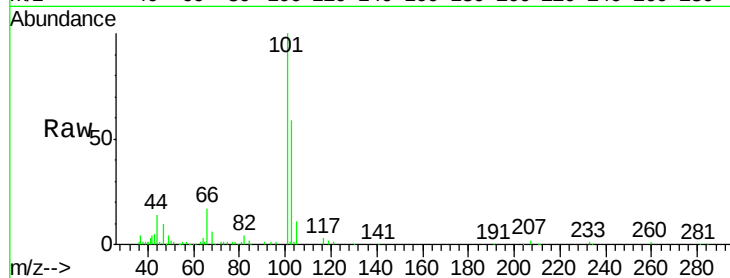
VSTDCCC050

Tgt Ion:101 Resp: 62992

Ion Ratio Lower Upper

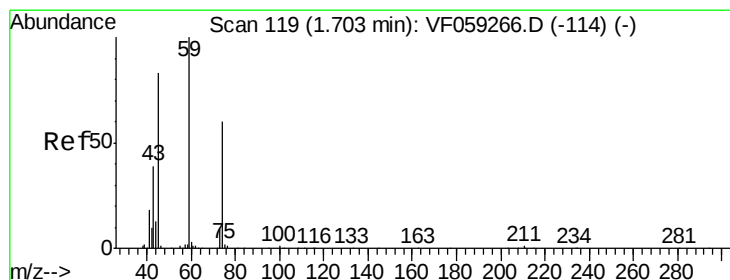
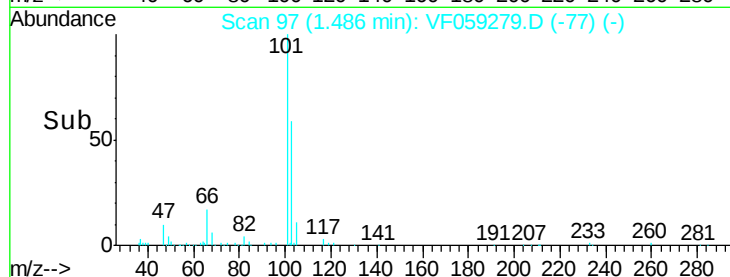
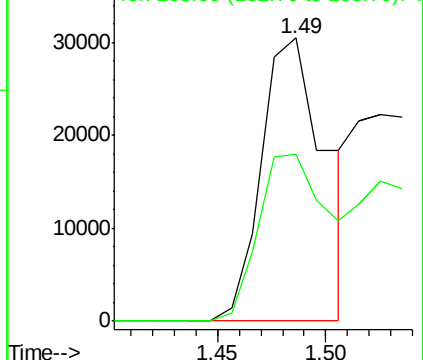
101 100

103 58.9 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: 55.581 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF059279.D

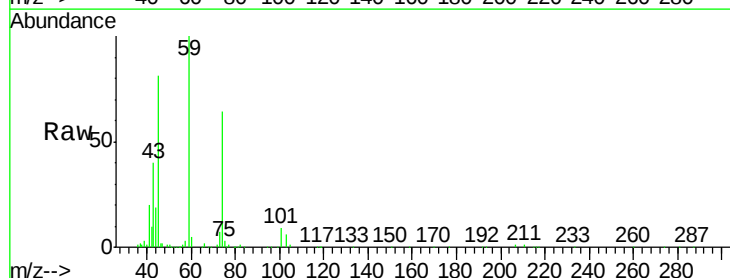
Acq: 22 Jun 2018 17:25

Tgt Ion: 74 Resp: 45192

Ion Ratio Lower Upper

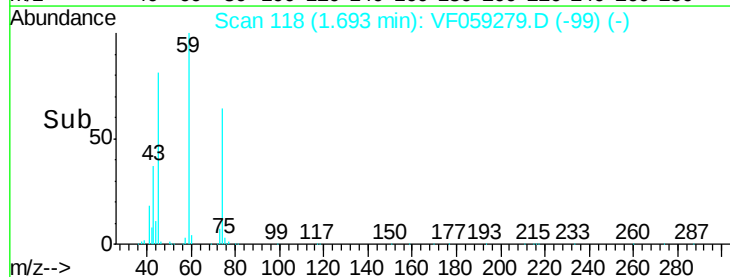
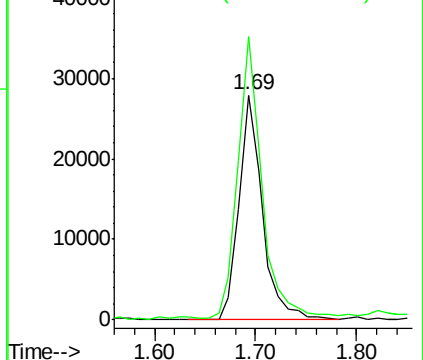
74 100

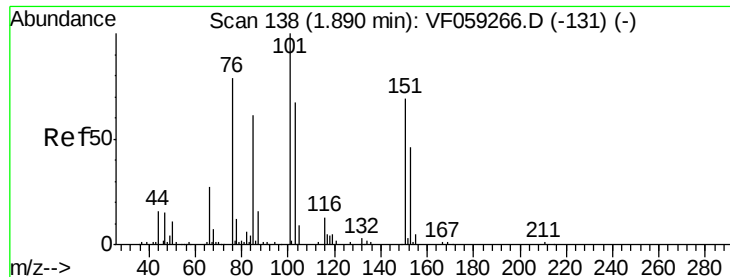
45 126.1 69.2 207.4



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: 52.236 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

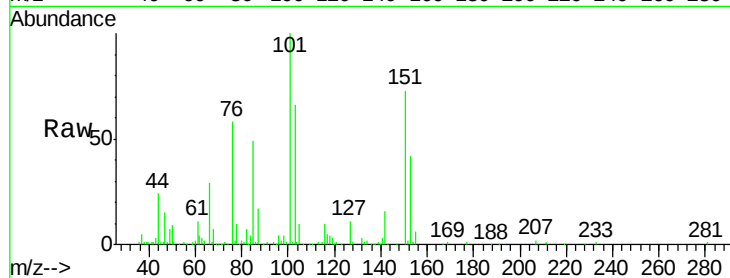
Tgt Ion:101 Resp: 105302

Ion Ratio Lower Upper

101 100

85 48.6 47.2 70.8

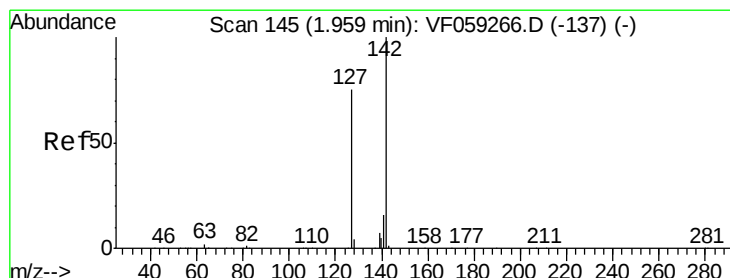
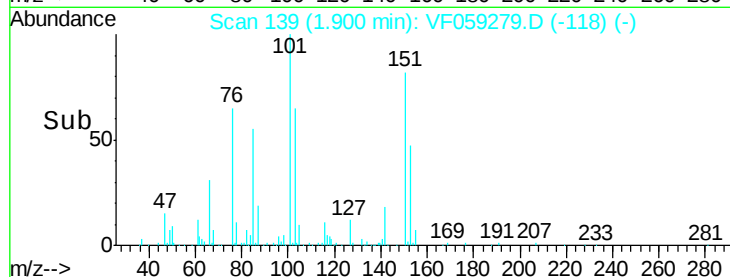
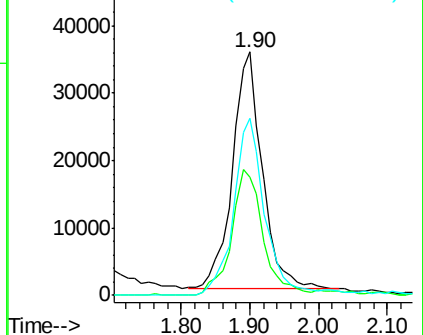
151 72.6 53.3 79.9



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: 54.520 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.00 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

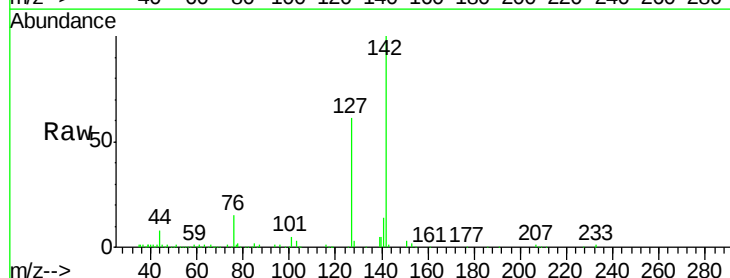
Tgt Ion:142 Resp: 200894

Ion Ratio Lower Upper

142 100

127 61.3 59.9 89.9

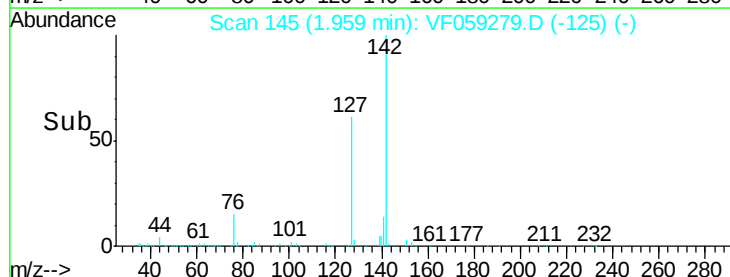
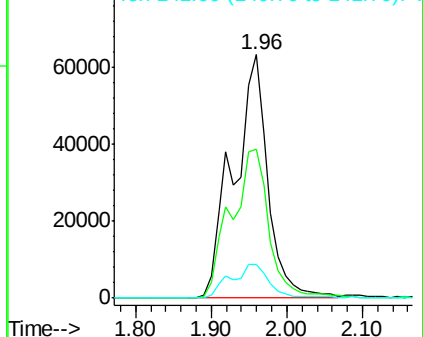
141 13.8 12.7 19.1

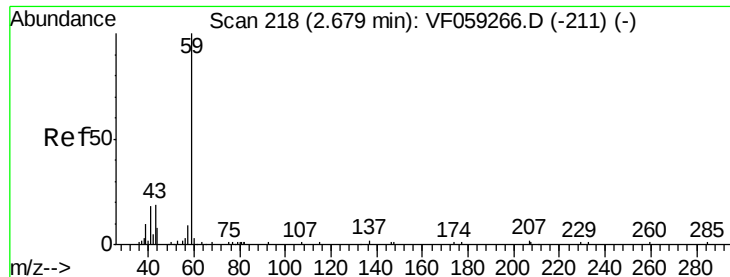


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



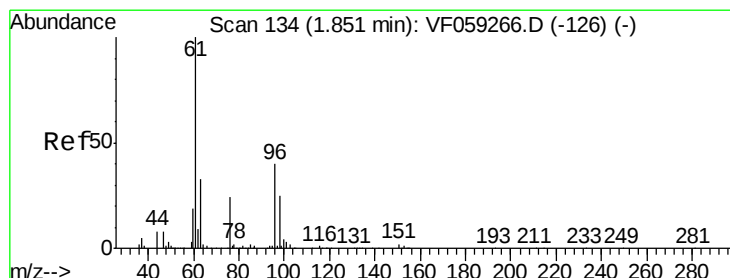
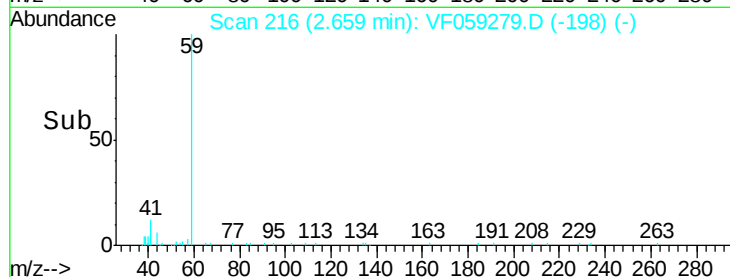
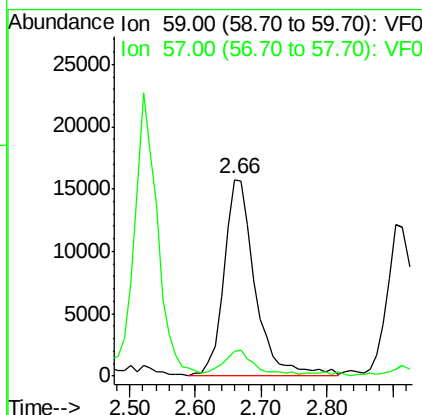
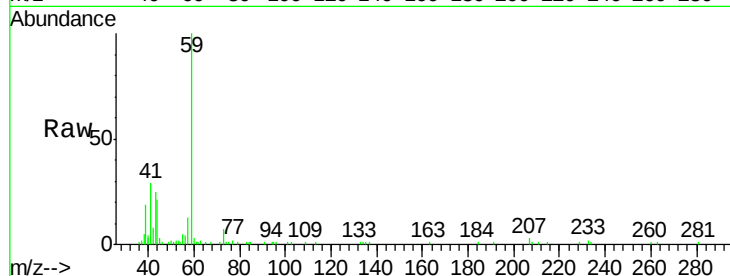


#11

Tert butyl alcohol
 Concen: 247.322 ug/l
 RT: 2.66 min Scan# 216
 Delta R.T. -0.02 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

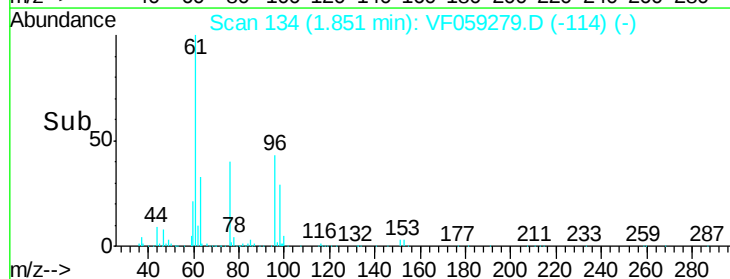
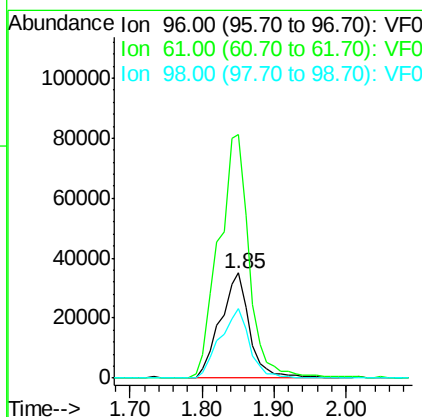
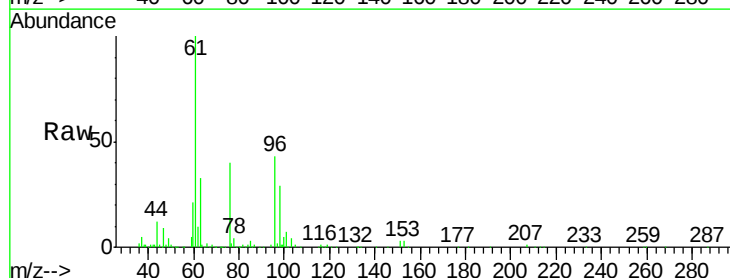
Tgt Ion: 59 Resp: 52477
 Ion Ratio Lower Upper
 59 100
 57 12.9 9.2 13.8

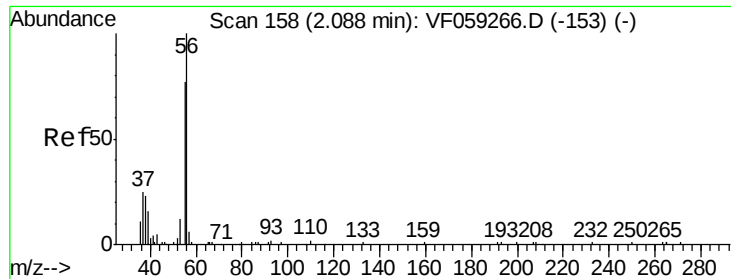


#12

1,1-Dichloroethene
 Concen: 53.912 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. -0.00 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Tgt Ion: 96 Resp: 96922
 Ion Ratio Lower Upper
 96 100
 61 231.6 201.4 302.2
 98 66.5 50.0 75.0





#13

Acrolein

Concen: 270.256 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

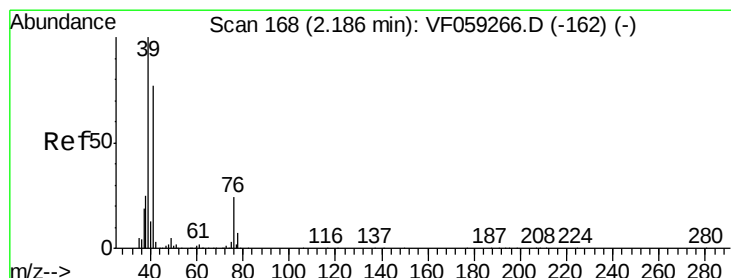
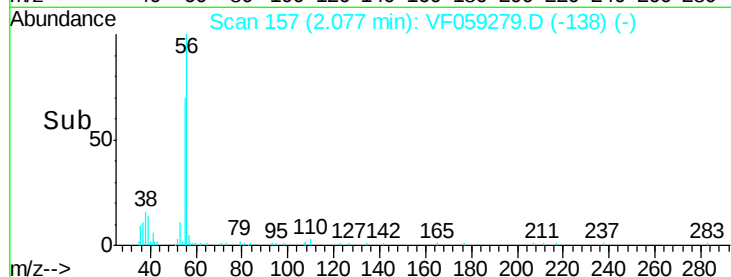
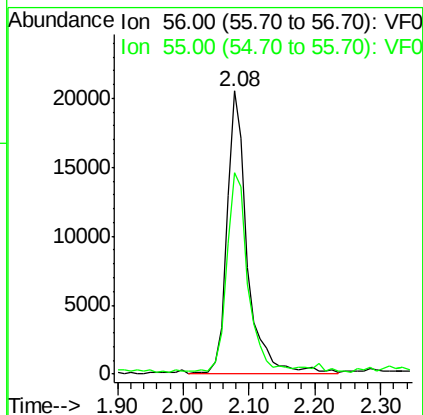
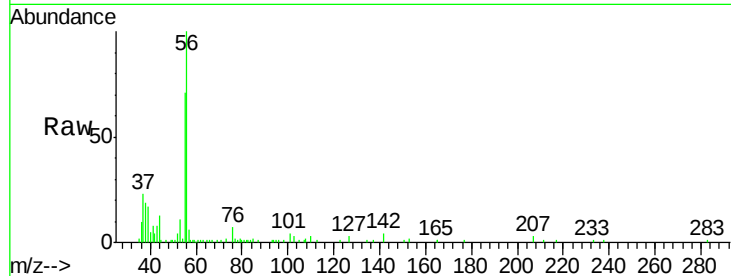
VSTDCCC050

Tgt Ion: 56 Resp: 44774

Ion Ratio Lower Upper

56 100

55 71.3 63.0 94.6



#14

Allyl chloride

Concen: 51.244 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

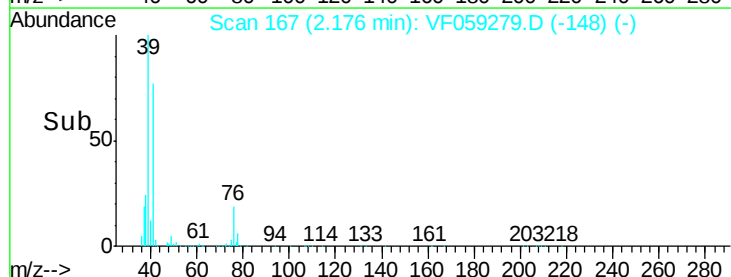
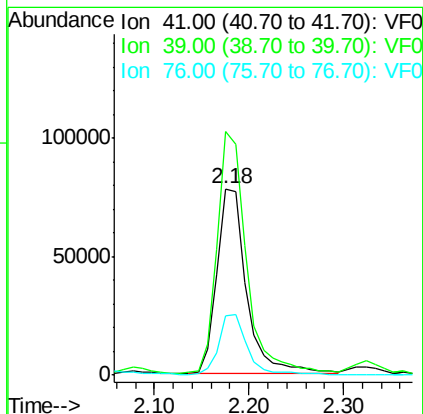
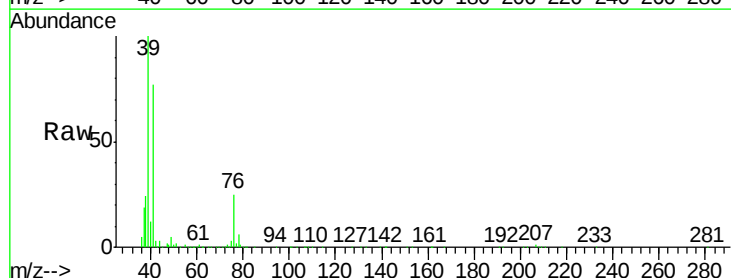
Tgt Ion: 41 Resp: 170060

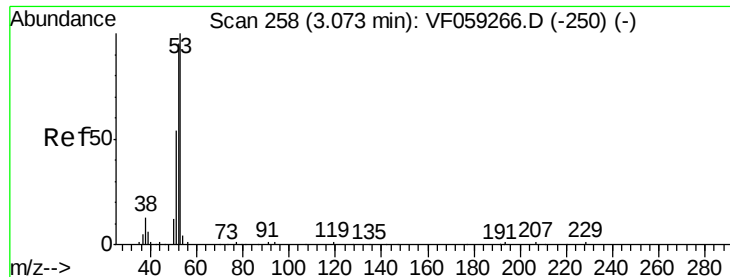
Ion Ratio Lower Upper

41 100

39 130.6 103.8 155.6

76 32.0 25.0 37.6





#15

Acrylonitrile

Concen: 270.789 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

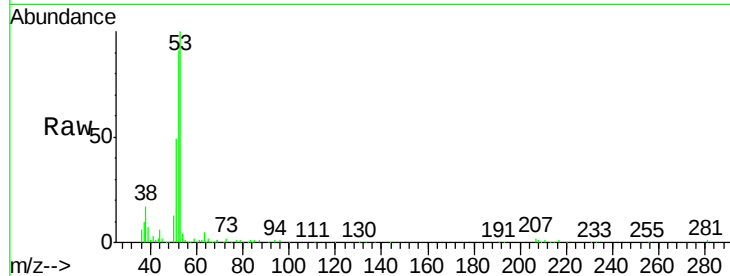
Tgt Ion: 53 Resp: 96611

Ion Ratio Lower Upper

53 100

52 90.7 75.7 113.5

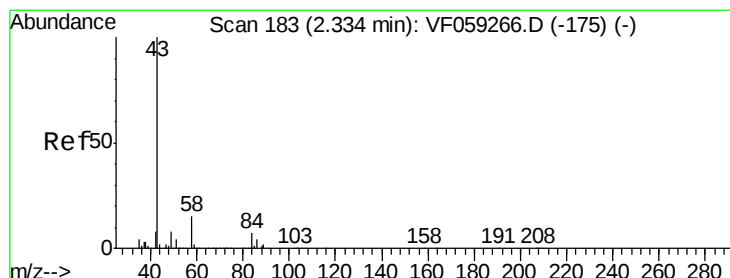
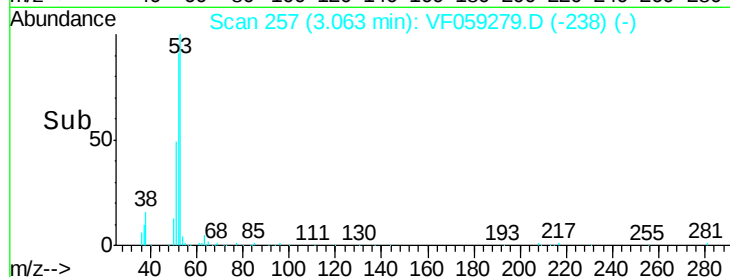
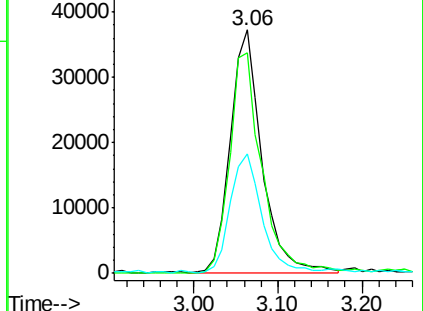
51 49.3 44.5 66.7



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 301.465 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF059279.D

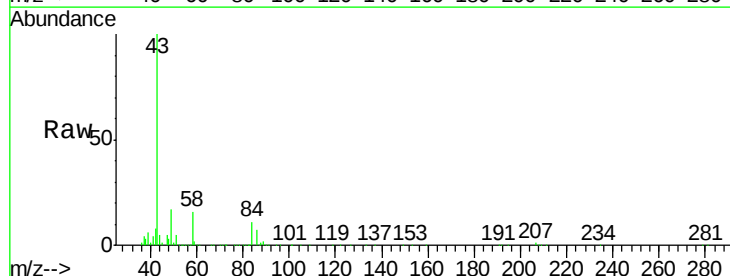
Acq: 22 Jun 2018 17:25

Tgt Ion: 43 Resp: 259440

Ion Ratio Lower Upper

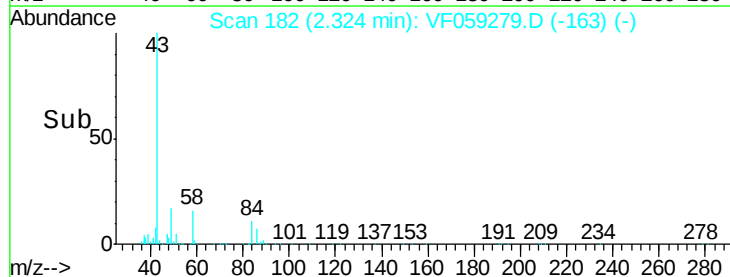
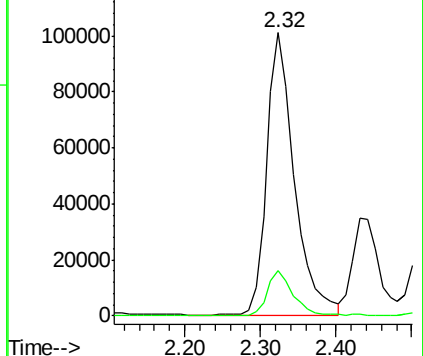
43 100

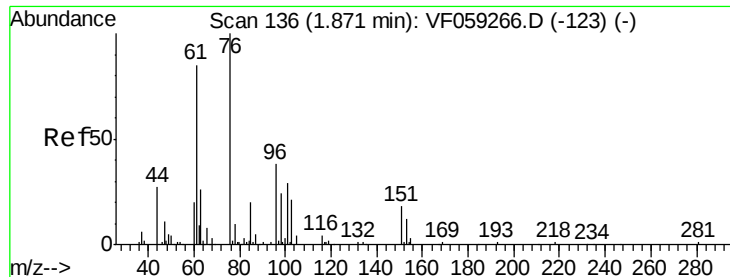
58 16.1 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 53.315 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.03 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

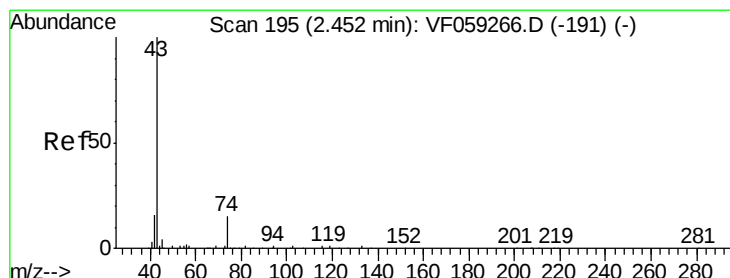
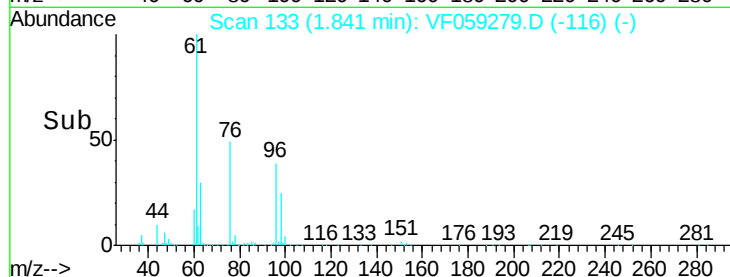
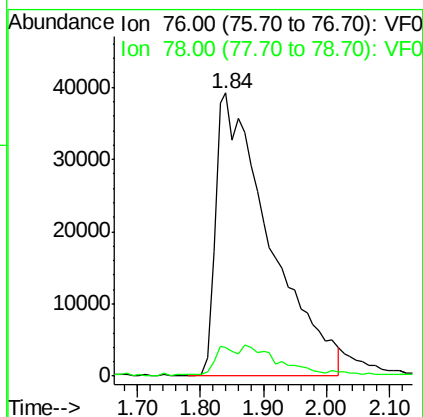
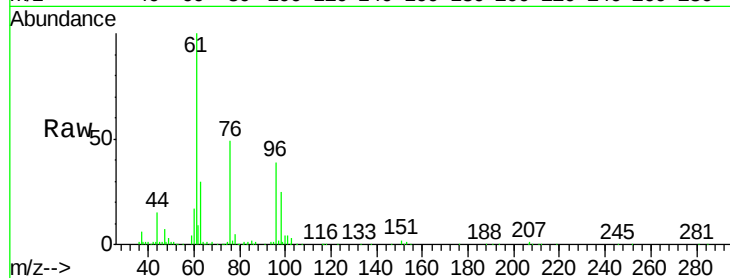
VSTDCCC050

Tgt Ion: 76 Resp: 232829

Ion Ratio Lower Upper

76 100

78 10.0 8.6 12.8



#18

Methyl Acetate

Concen: 48.334 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.02 min

Lab File: VF059279.D

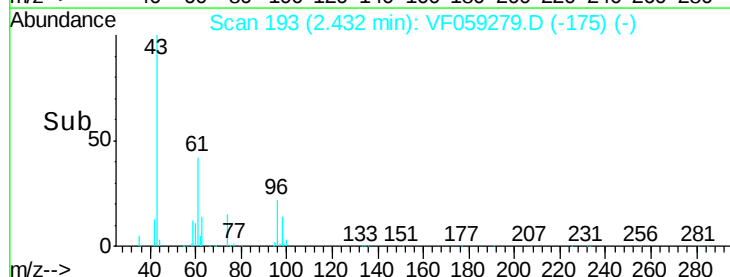
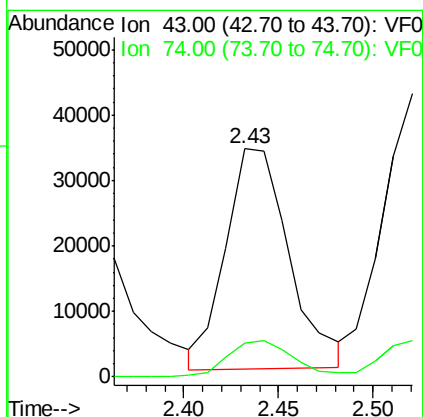
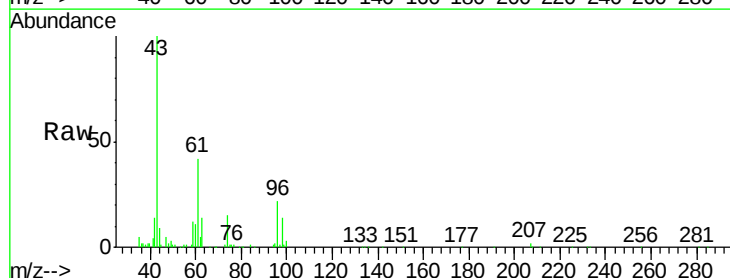
Acq: 22 Jun 2018 17:25

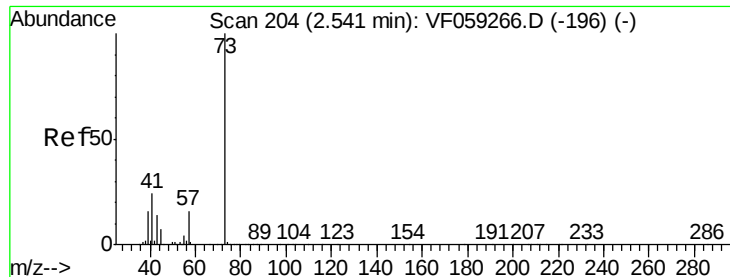
Tgt Ion: 43 Resp: 78425

Ion Ratio Lower Upper

43 100

74 14.9 11.0 16.4



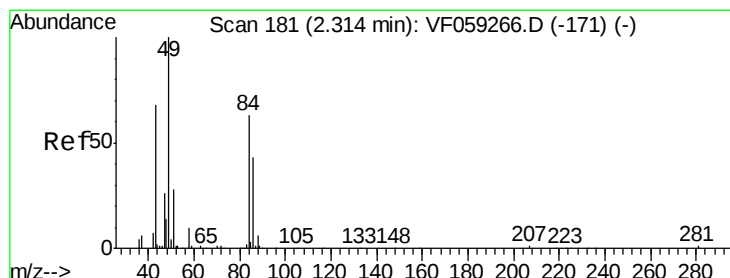
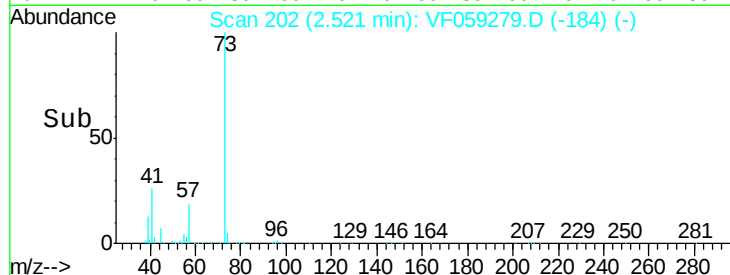
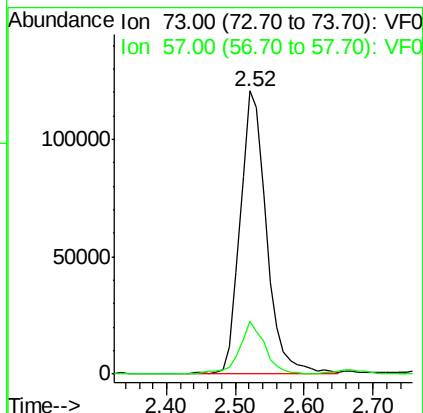
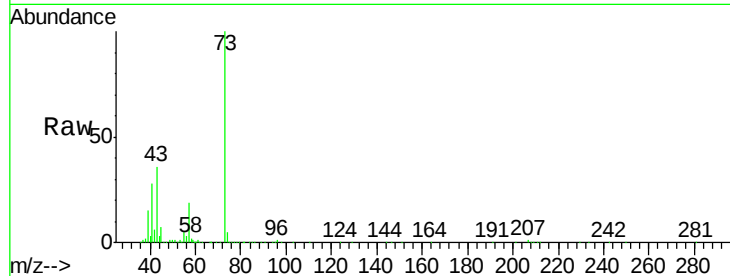


#19

Methyl tert-butyl Ether
Concen: 52.683 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.02 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

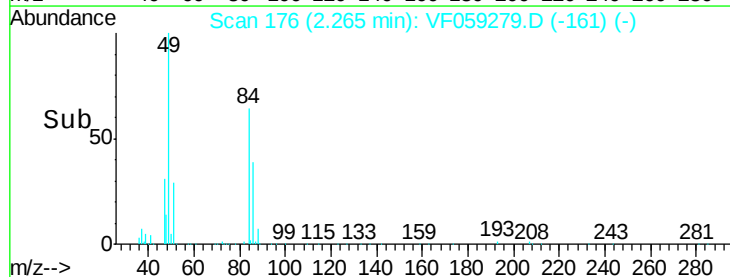
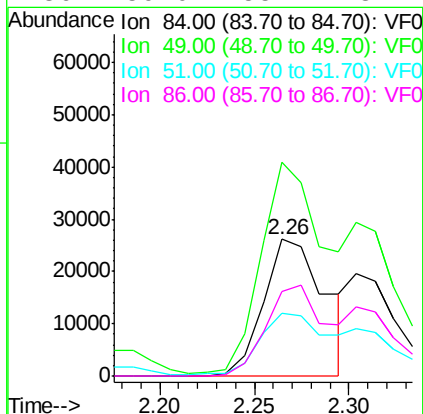
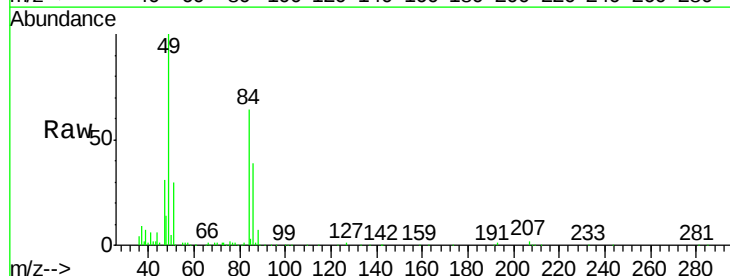
Tgt Ion: 73 Resp: 317726
Ion Ratio Lower Upper
73 100
57 18.8 13.0 19.4

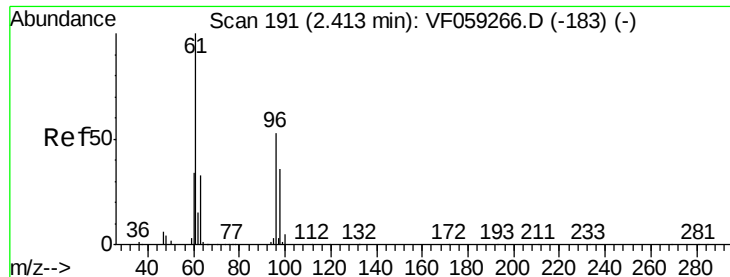


#20

Methylene Chloride
Concen: 33.778 ug/l
RT: 2.26 min Scan# 176
Delta R.T. -0.05 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion: 84 Resp: 59794
Ion Ratio Lower Upper
84 100
49 149.8 130.0 195.0
51 44.2 36.6 55.0
86 59.0 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 54.882 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

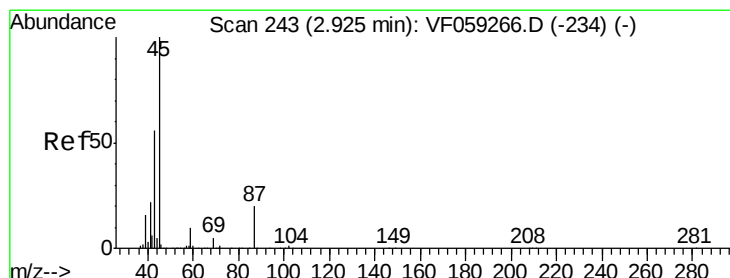
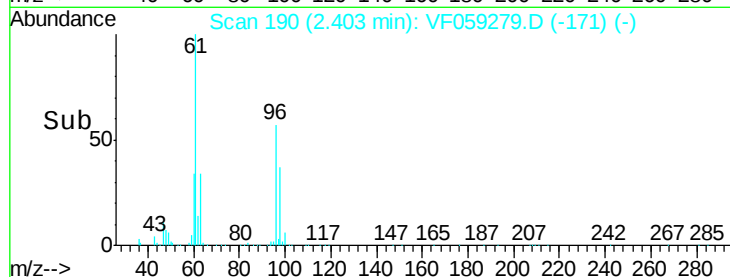
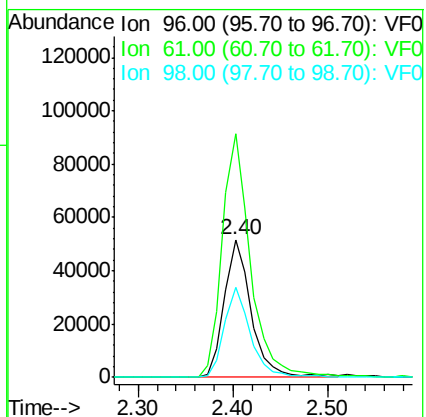
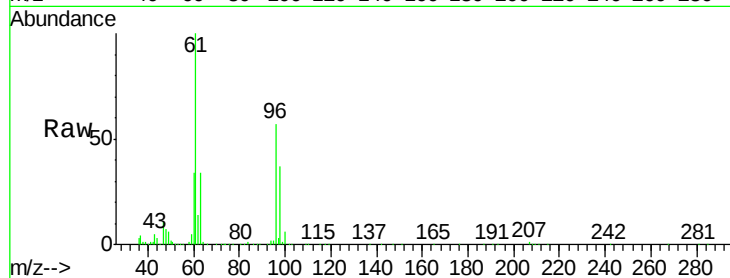
Tgt Ion: 96 Resp: 103004

Ion Ratio Lower Upper

96 100

61 176.9 151.2 226.8

98 65.2 54.2 81.2



#22

Diisopropyl ether

Concen: 52.395 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Tgt Ion: 45 Resp: 360752

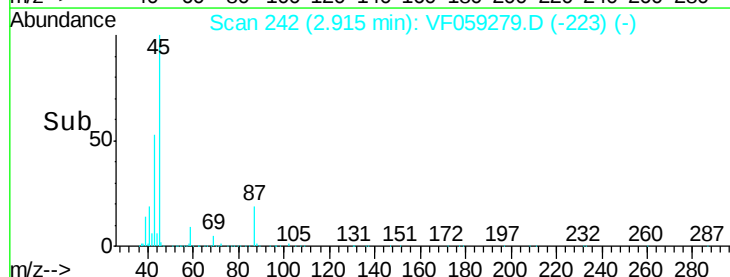
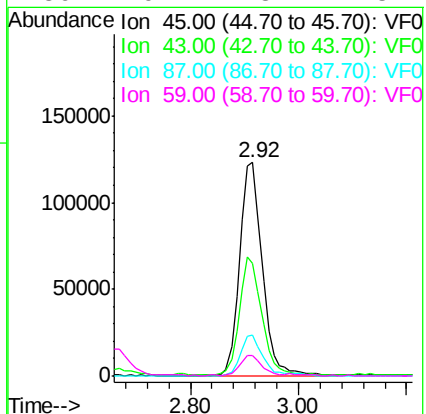
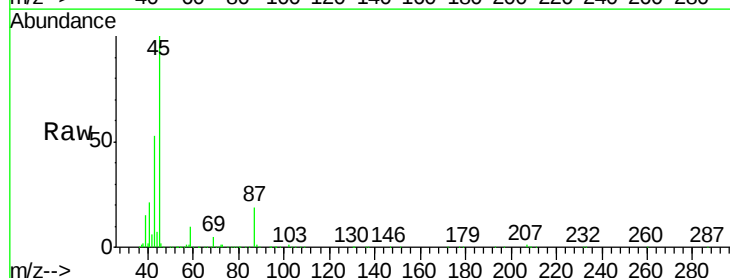
Ion Ratio Lower Upper

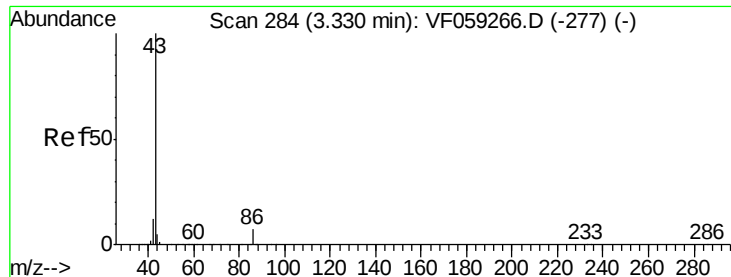
45 100

43 53.0 45.8 68.6

87 19.0 15.7 23.5

59 9.7 8.7 13.1





#23

Vinyl Acetate

Concen: 239.028 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

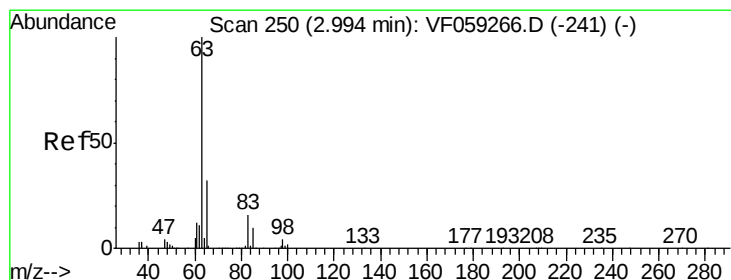
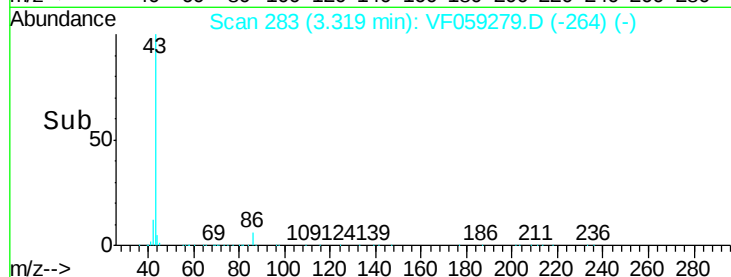
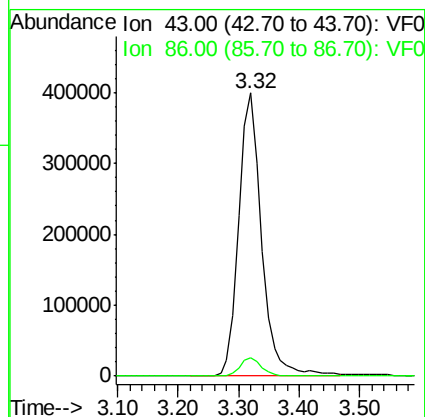
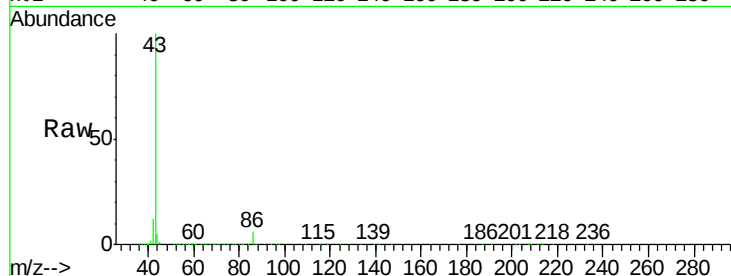
VSTDCCC050

Tgt Ion: 43 Resp: 1052659

Ion Ratio Lower Upper

43 100

86 6.3 5.4 8.2



#24

1,1-Dichloroethane

Concen: 50.081 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

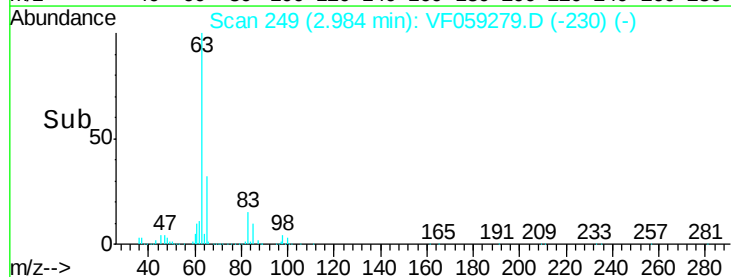
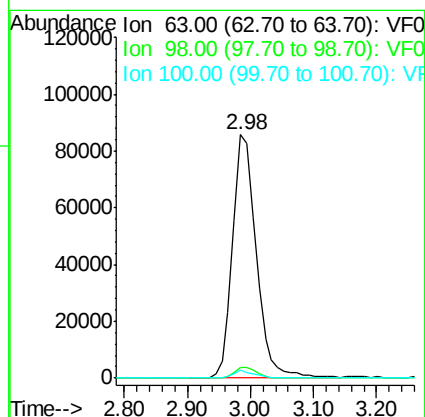
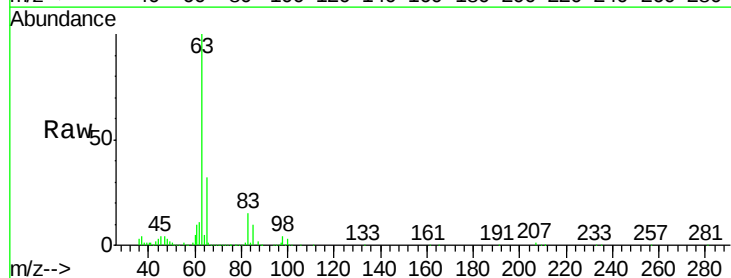
Tgt Ion: 63 Resp: 223546

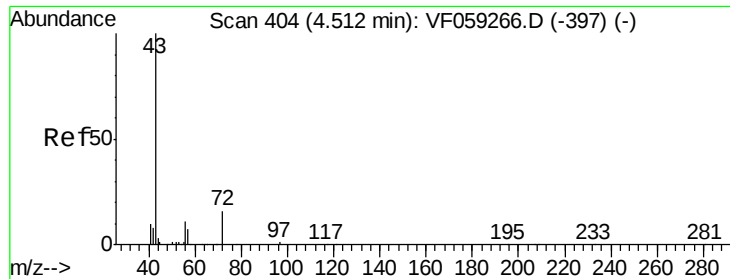
Ion Ratio Lower Upper

63 100

98 4.4 2.0 5.8

100 3.1 1.1 3.1





#25

2-Butanone

Concen: 245.221 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

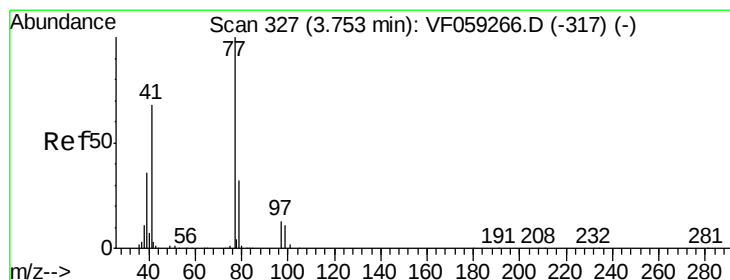
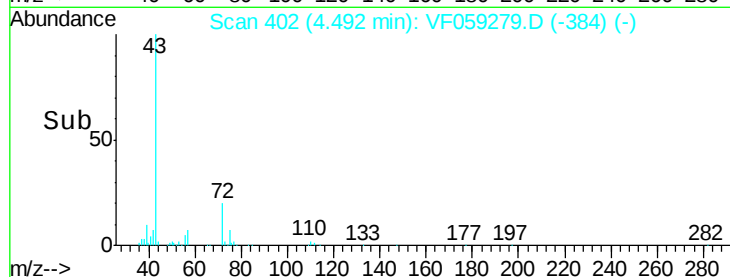
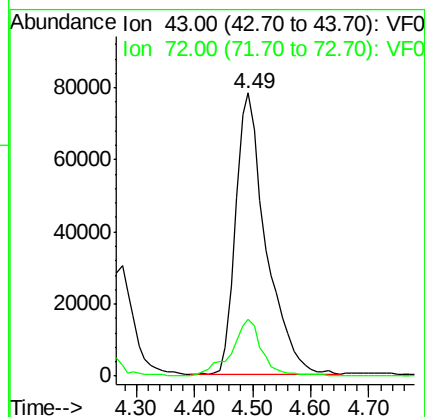
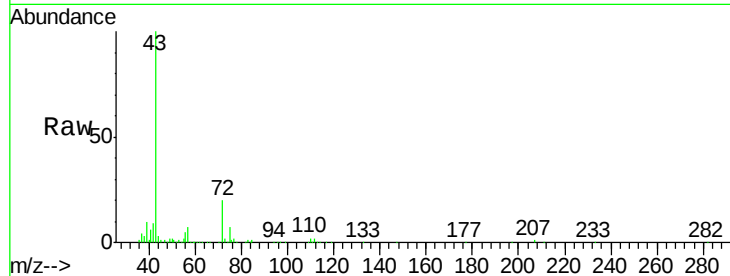
VSTDCCC050

Tgt Ion: 43 Resp: 281514

Ion Ratio Lower Upper

43 100

72 20.0 15.2 22.8



#26

2,2-Dichloropropane

Concen: 50.395 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059279.D

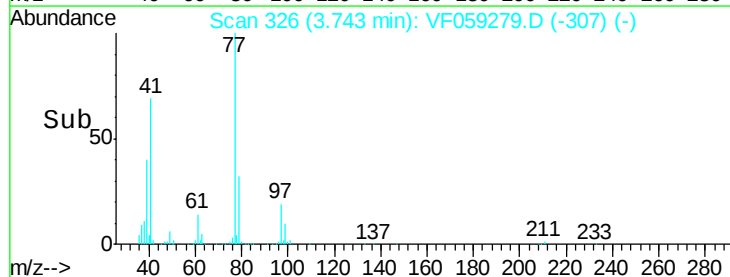
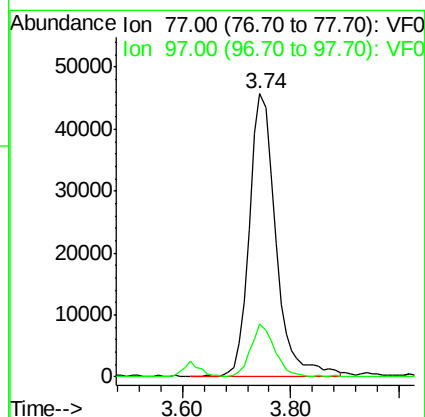
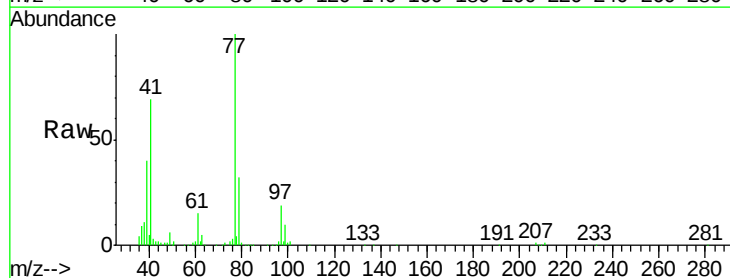
Acq: 22 Jun 2018 17:25

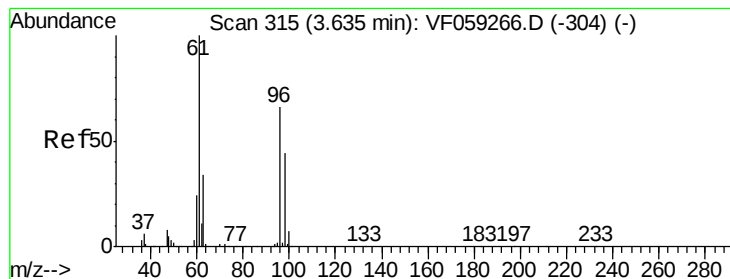
Tgt Ion: 77 Resp: 156766

Ion Ratio Lower Upper

77 100

97 18.9 7.6 22.8



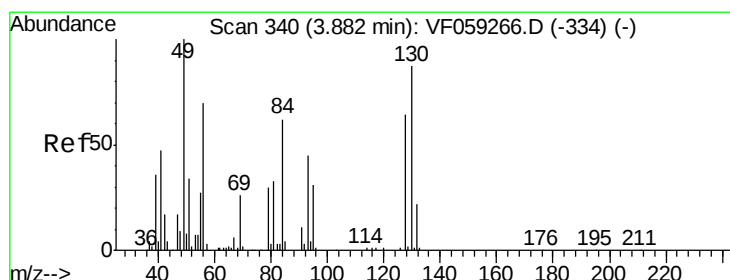
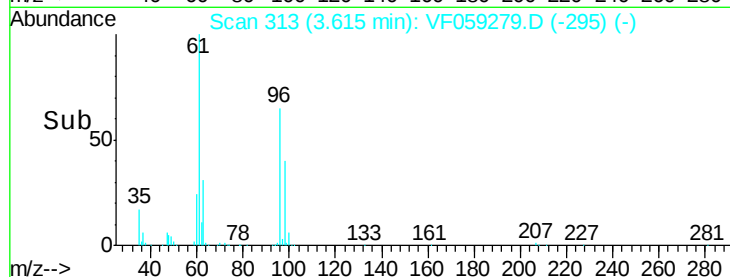
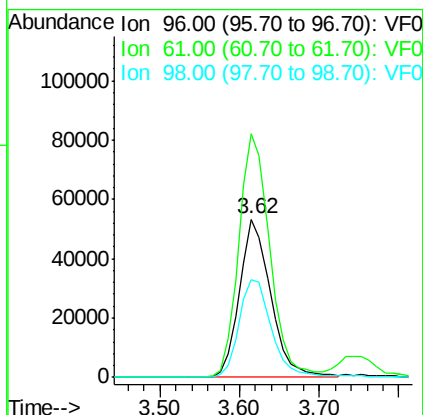
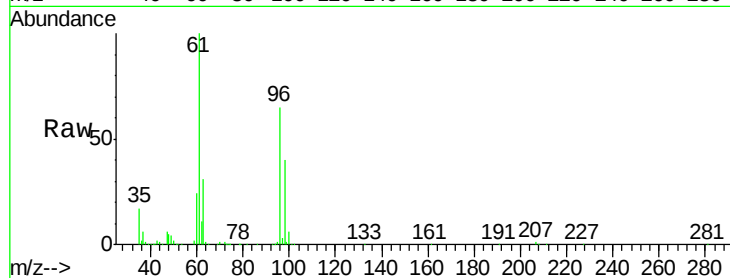


#27

cis-1,2-Dichloroethene
Concen: 50.777 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.02 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

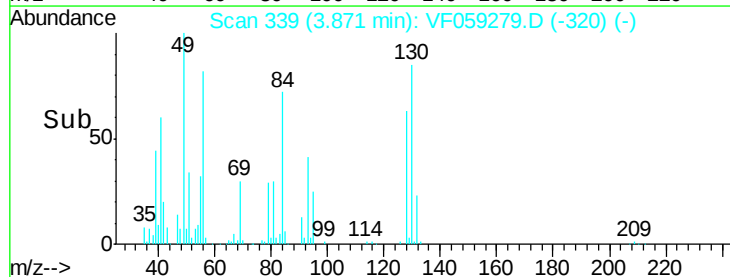
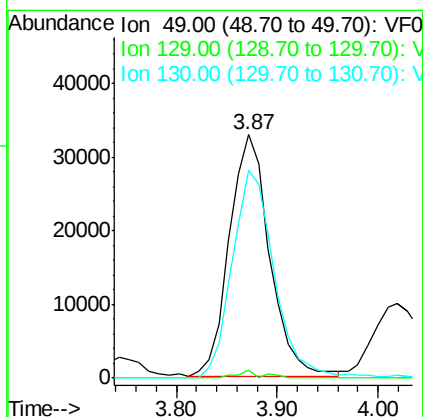
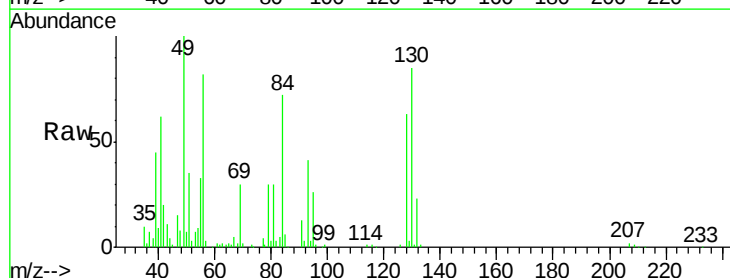
Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.1	0.0	305.0
98	61.5	0.0	134.0

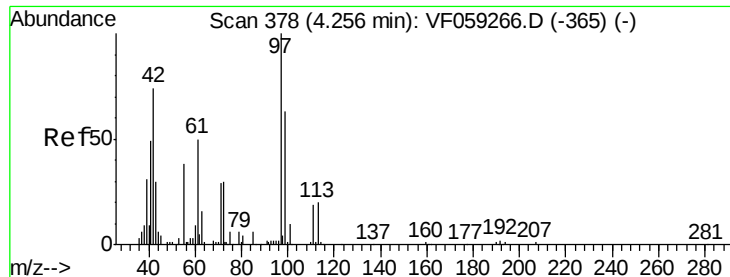


#28

Bromochloromethane
Concen: 55.864 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	3.8
130	85.2	69.4	104.2





#29

Tetrahydrofuran

Concen: 219.124 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.03 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

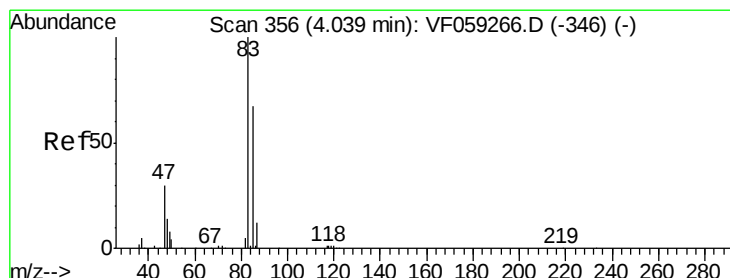
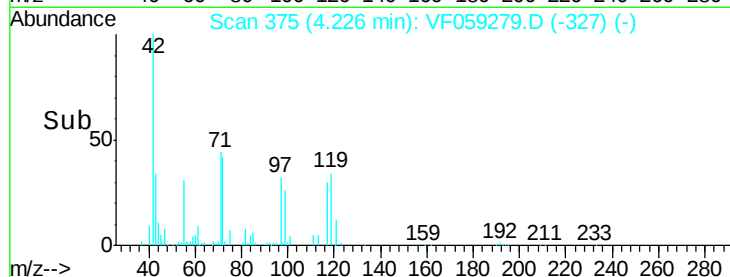
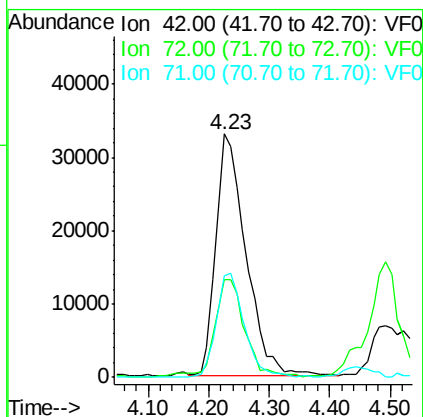
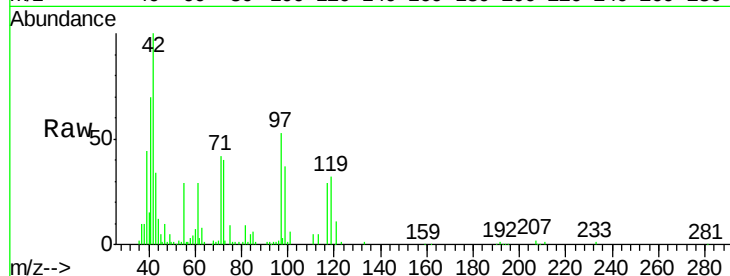
Tgt Ion: 42 Resp: 112947

Ion Ratio Lower Upper

42 100

72 41.3 31.2 46.8

71 40.3 30.2 45.2



#30

Chloroform

Concen: 49.142 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.02 min

Lab File: VF059279.D

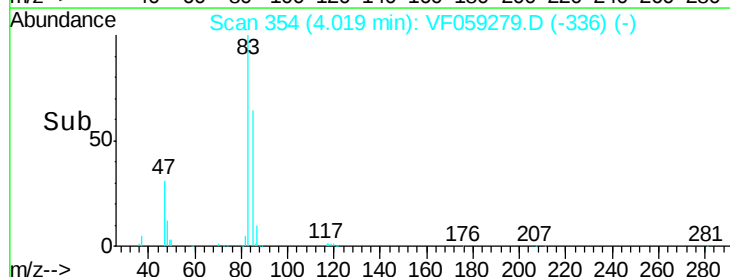
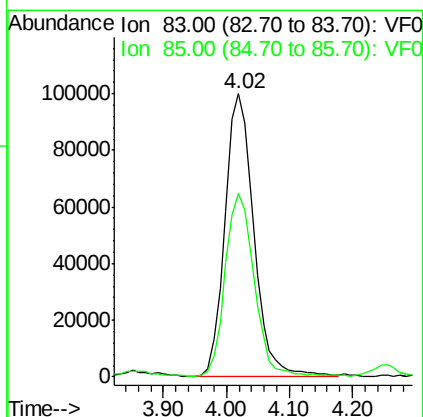
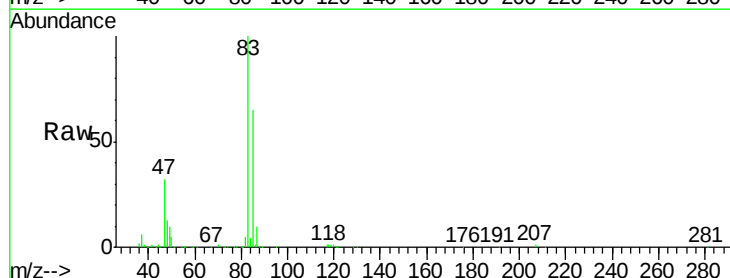
Acq: 22 Jun 2018 17:25

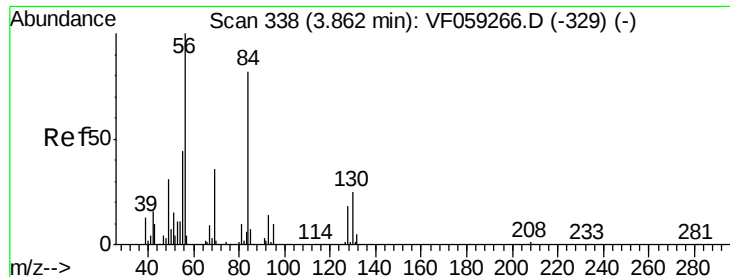
Tgt Ion: 83 Resp: 317611

Ion Ratio Lower Upper

83 100

85 65.0 54.2 81.2

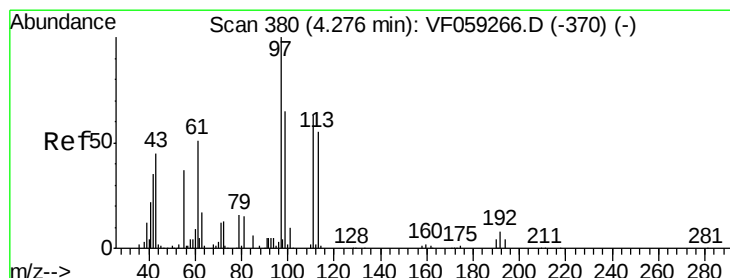
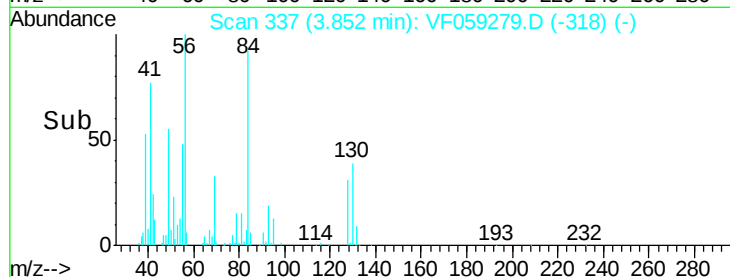
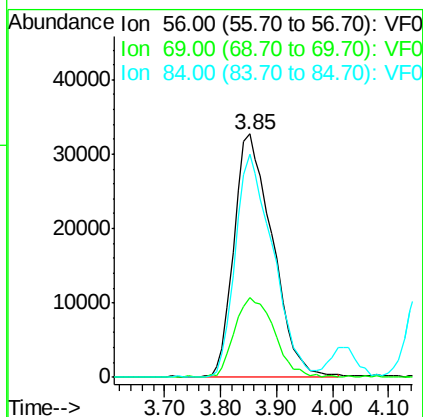
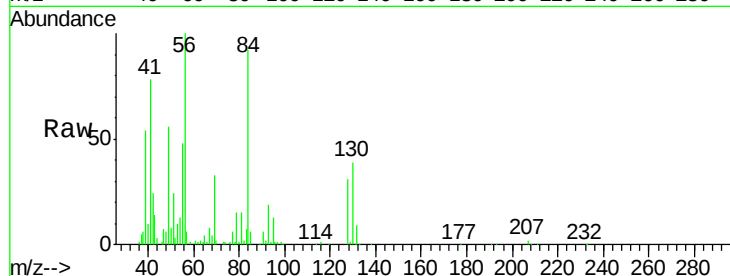




#31
Cyclohexane
Concen: 50.730 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

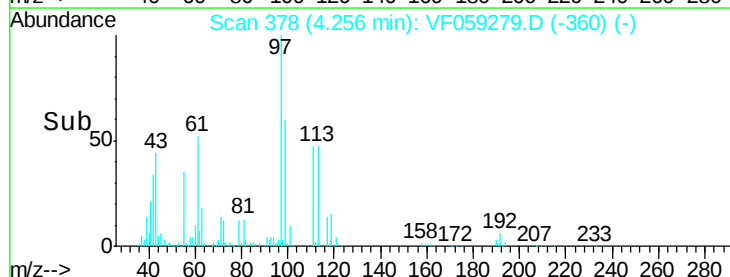
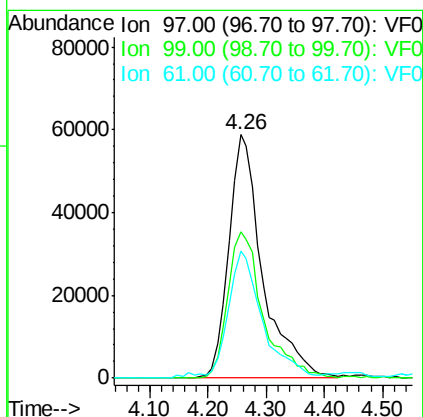
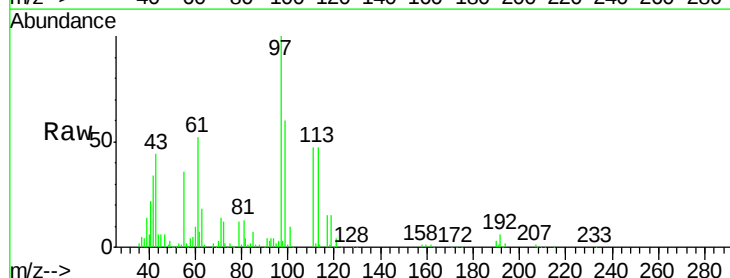
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

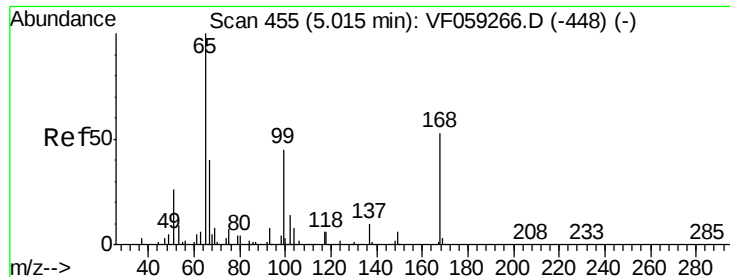
Tgt Ion: 56 Resp: 155873
Ion Ratio Lower Upper
56 100
69 32.9 28.6 43.0
84 91.7 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 48.659 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion: 97 Resp: 237442
Ion Ratio Lower Upper
97 100
99 60.2 52.4 78.6
61 52.4 40.9 61.3





#33

1,2-Dichloroethane-d4

Concen: 48.561 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

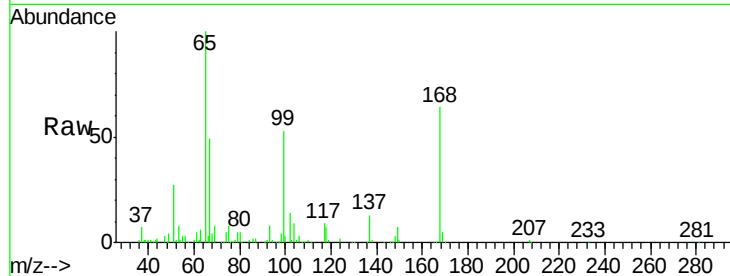
VSTDCCC050

Tgt Ion: 65 Resp: 176822

Ion Ratio Lower Upper

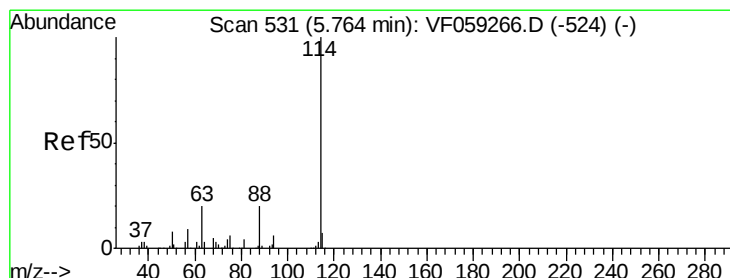
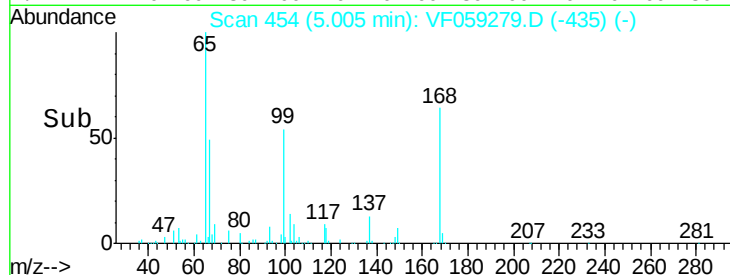
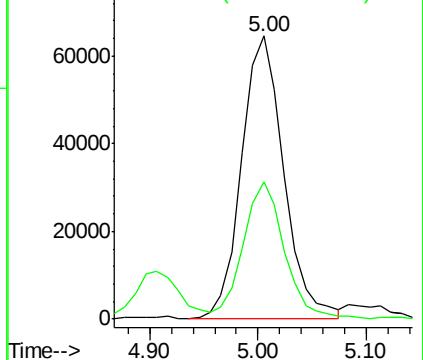
65 100

67 48.6 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: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

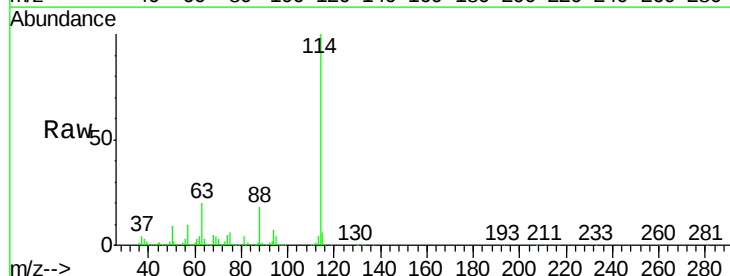
Tgt Ion: 114 Resp: 398685

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.0

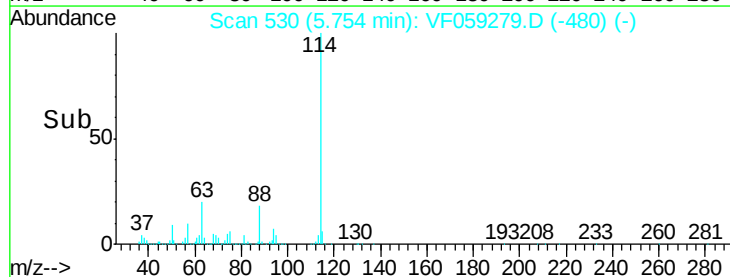
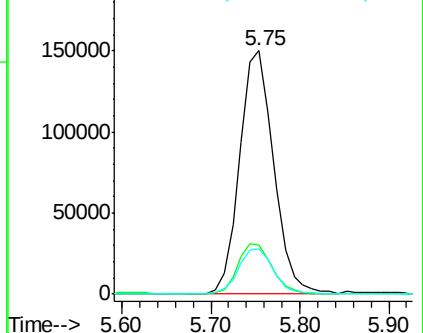
88 18.4 0.0 39.6

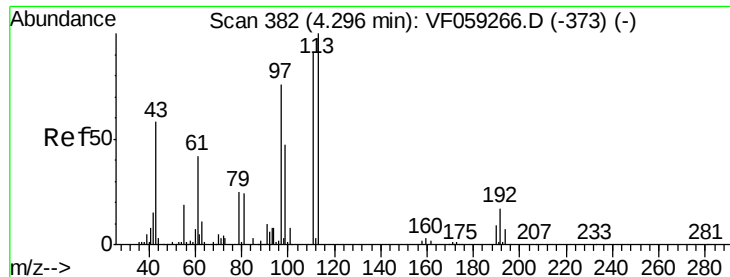


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 44.992 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

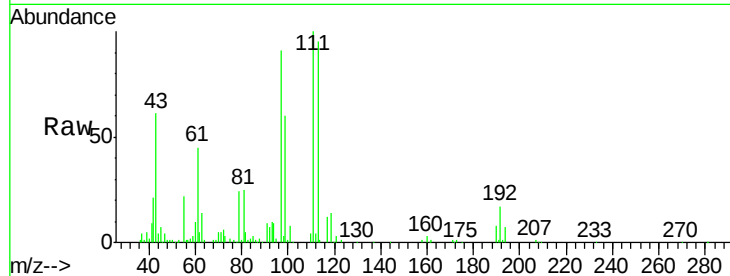
Tgt Ion:113 Resp: 150919

Ion Ratio Lower Upper

113 100

111 105.0 73.1 109.7

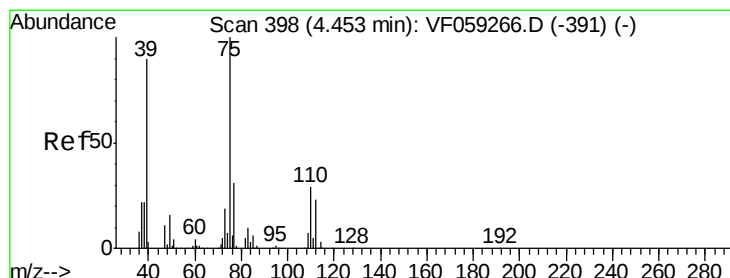
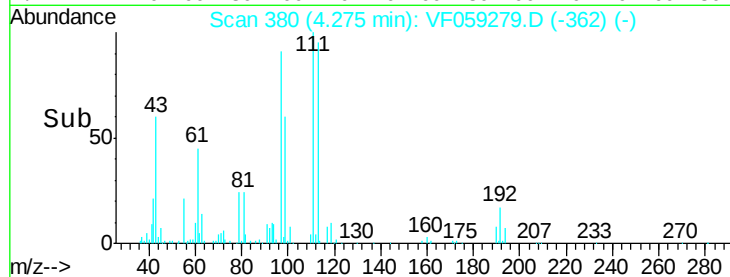
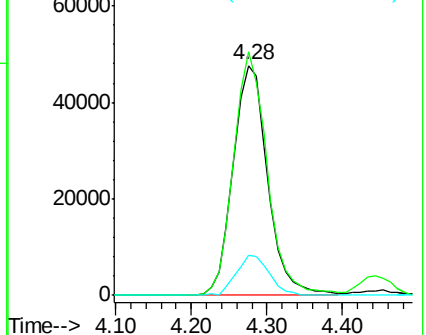
192 17.4 13.9 20.9



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: 49.954 ug/l

RT: 4.44 min Scan# 397

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

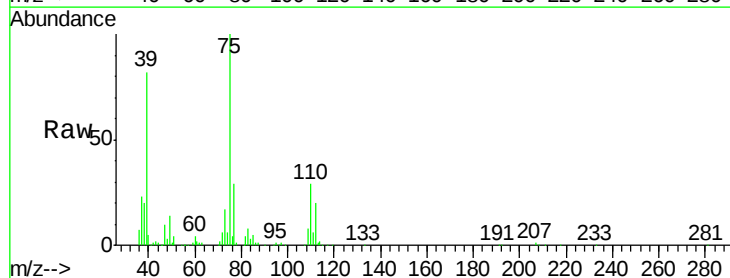
Tgt Ion: 75 Resp: 209296

Ion Ratio Lower Upper

75 100

110 29.1 14.5 43.5

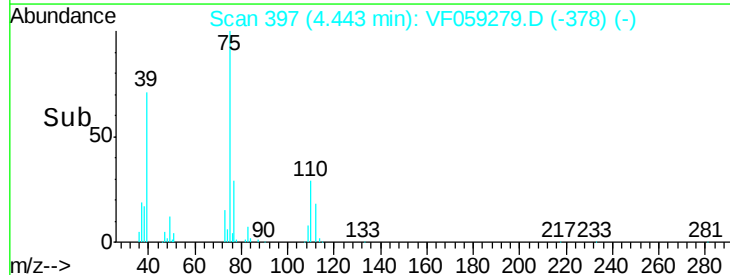
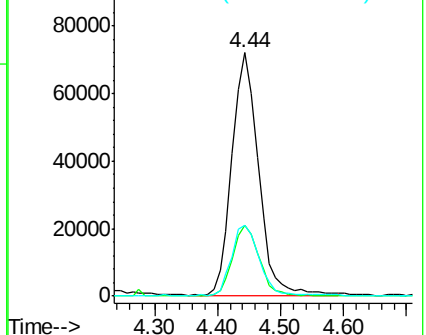
77 29.1 25.0 37.6

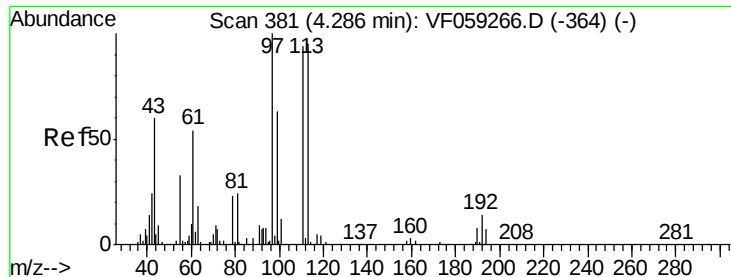


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 45.314 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

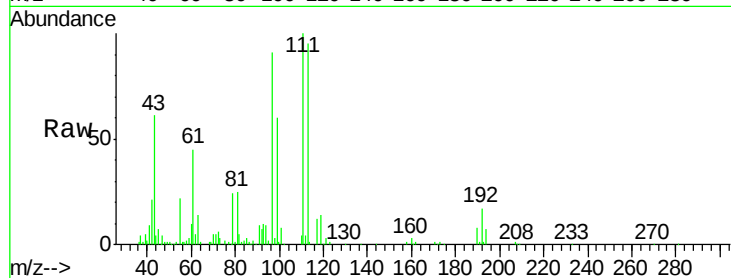
Tgt Ion: 43 Resp: 121312

Ion Ratio Lower Upper

43 100

61 74.8 71.6 107.4

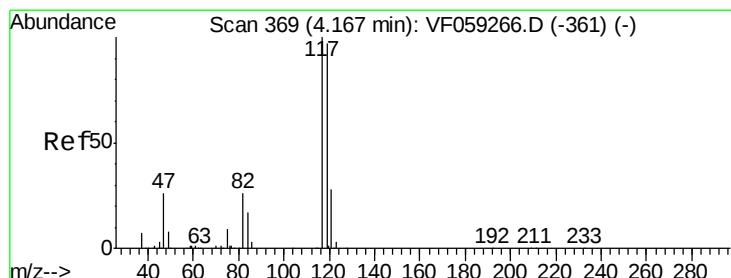
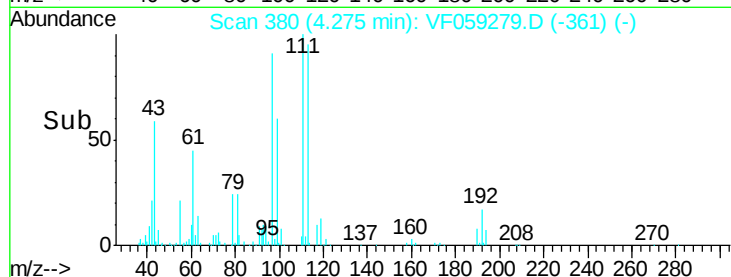
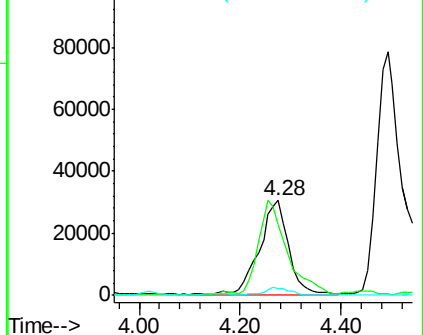
70 7.7 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 53.493 ug/l

RT: 4.16 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

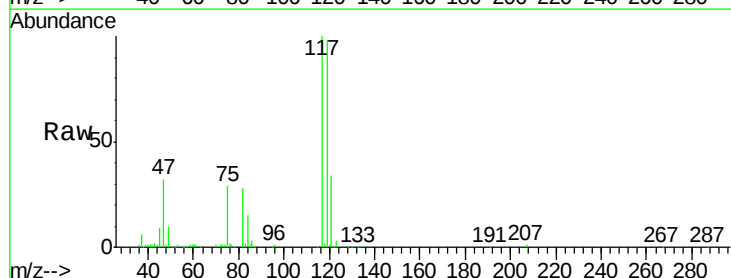
Tgt Ion: 117 Resp: 275303

Ion Ratio Lower Upper

117 100

119 97.7 77.5 116.3

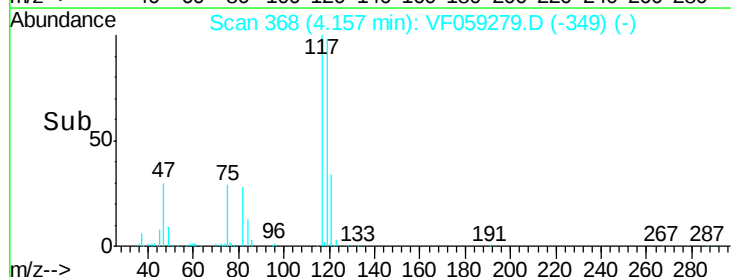
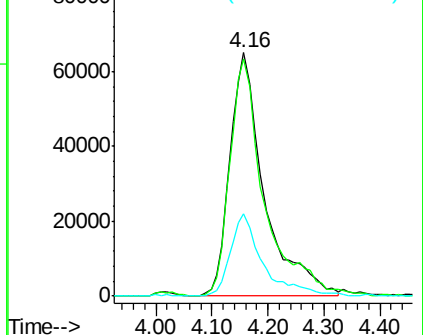
121 33.7 22.2 33.4#

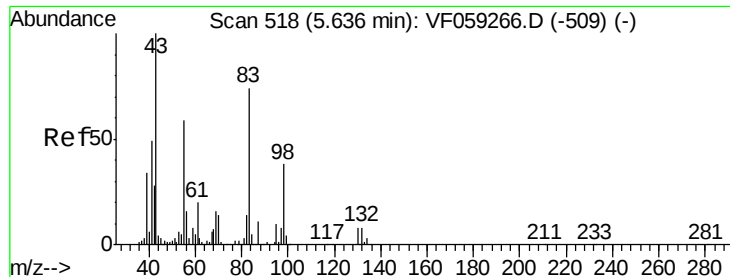


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

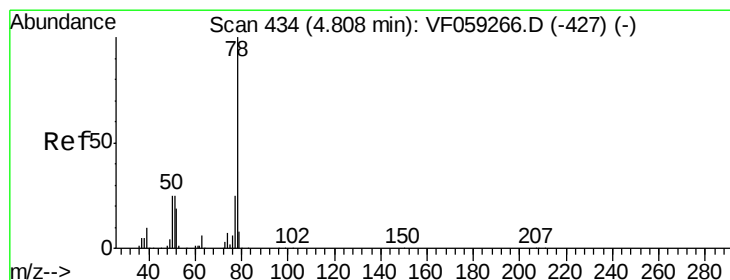
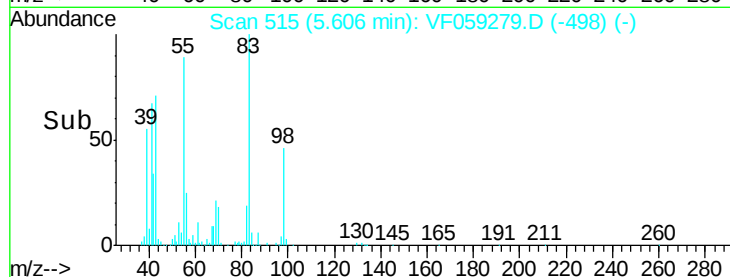
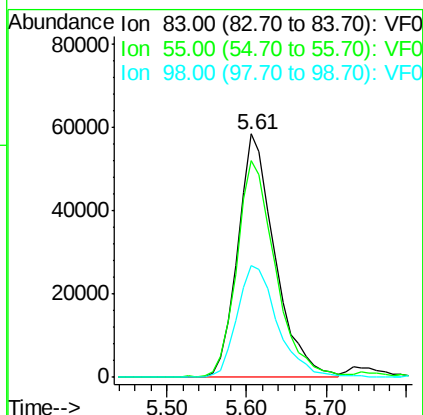
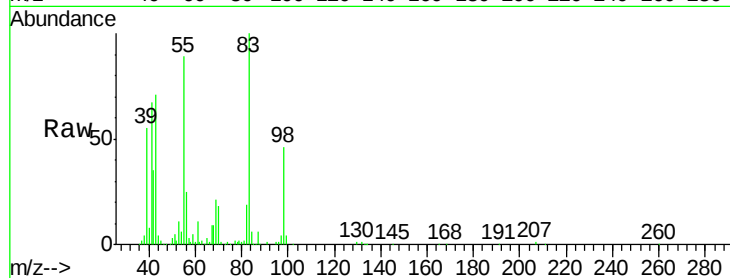




#39
Methylcyclohexane
Concen: 50.273 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.03 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

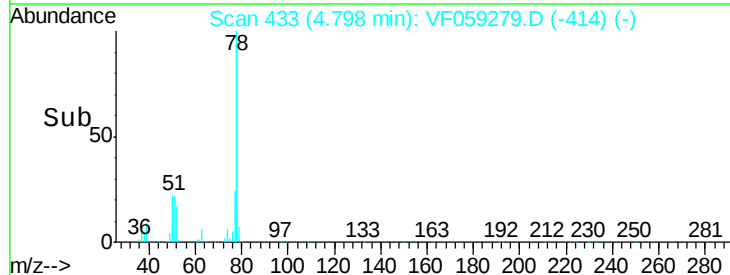
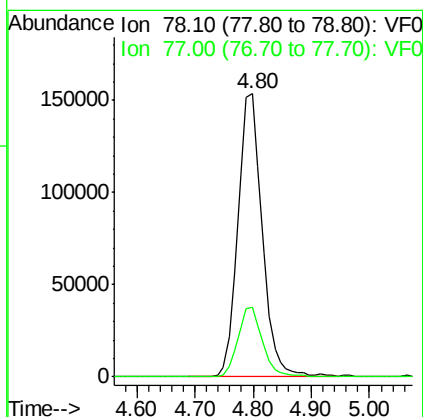
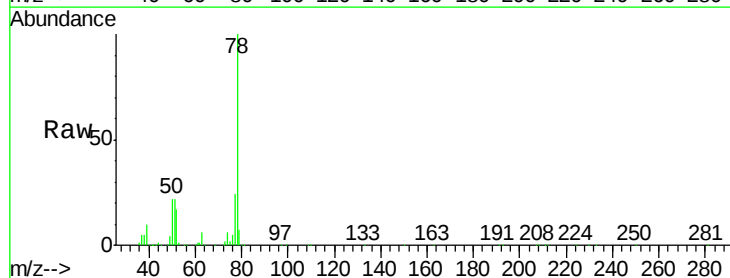
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

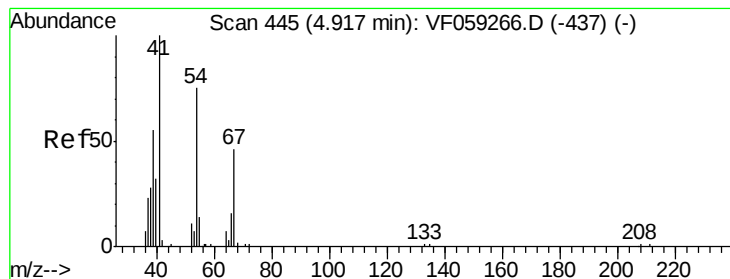
Tgt Ion: 83 Resp: 188492
Ion Ratio Lower Upper
83 100
55 89.0 63.7 95.5
98 45.7 41.6 62.4



#40
Benzene
Concen: 50.210 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion: 78 Resp: 446377
Ion Ratio Lower Upper
78 100
77 24.4 20.4 30.6





#41

Methacrylonitrile

Concen: 46.833 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 59897

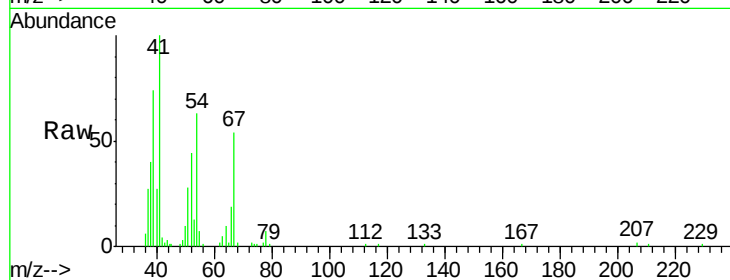
Ion Ratio Lower Upper

41 100

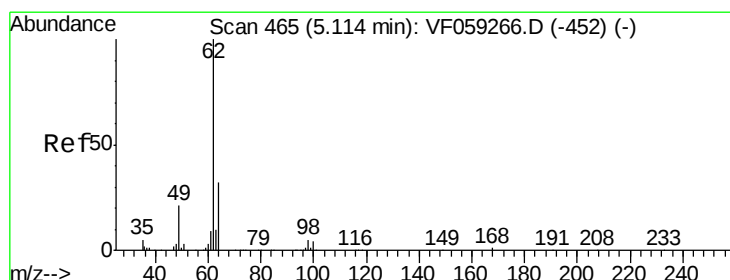
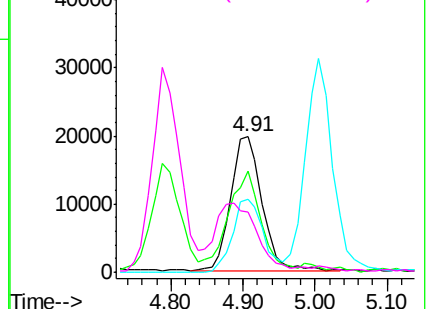
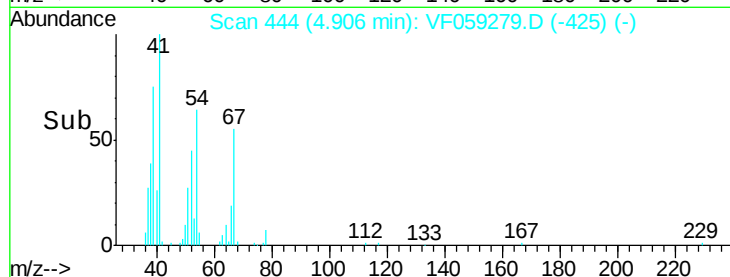
39 74.4 57.0 85.6

67 54.2 36.8 55.2

52 44.1 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: 47.980 ug/l

RT: 5.10 min Scan# 464

Delta R.T. -0.01 min

Lab File: VF059279.D

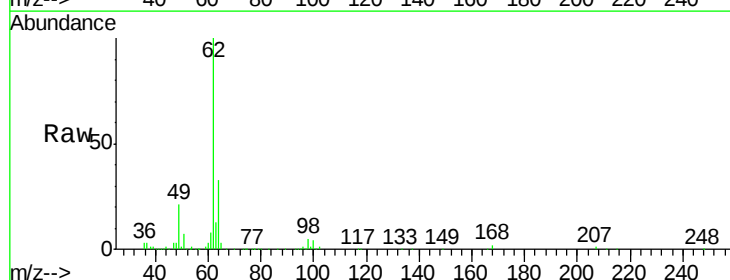
Acq: 22 Jun 2018 17:25

Tgt Ion: 62 Resp: 245711

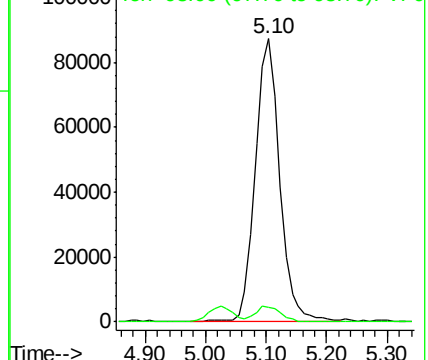
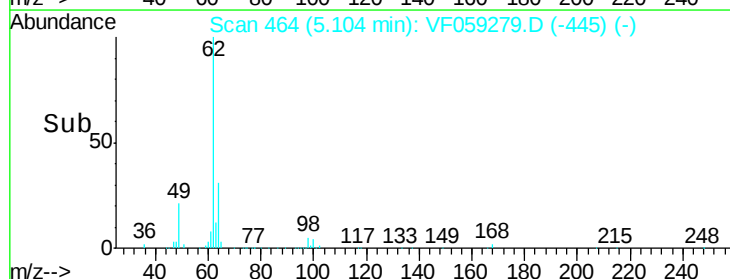
Ion Ratio Lower Upper

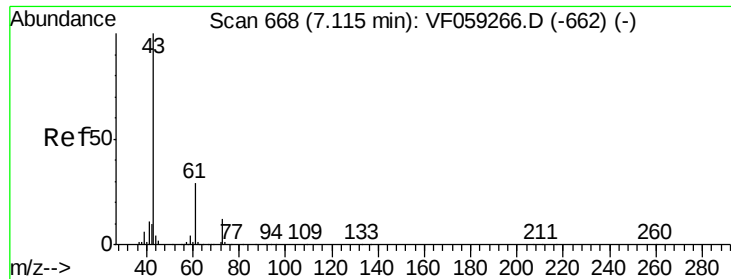
62 100

98 5.1 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: 48.405 ug/l

RT: 7.09 min Scan# 666

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

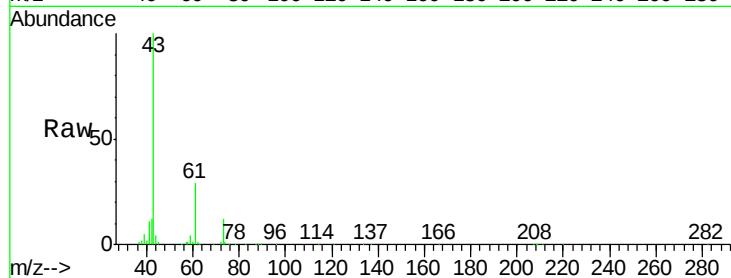
Tgt Ion: 43 Resp: 158795

Ion Ratio Lower Upper

43 100

61 29.2 22.8 34.2

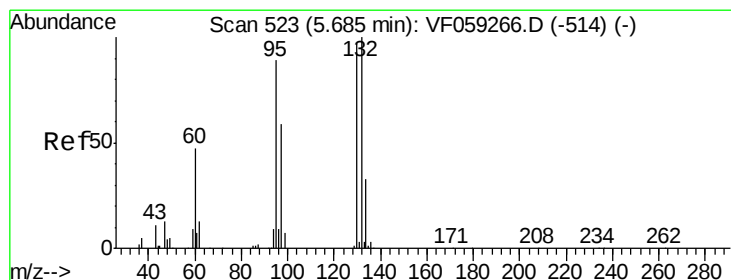
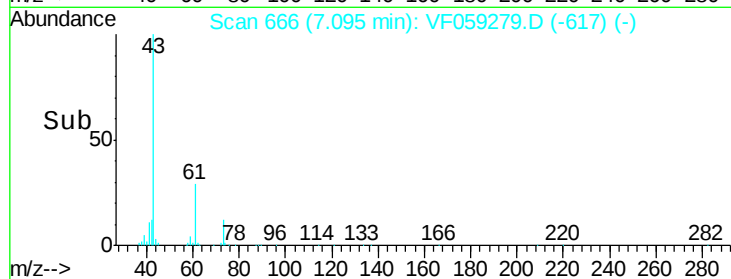
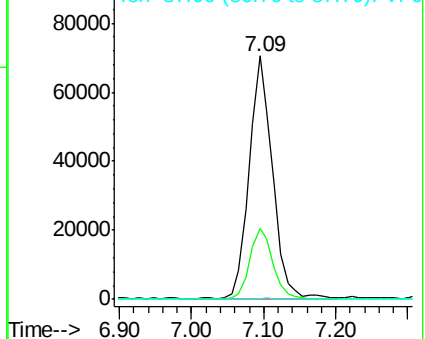
87 0.4 0.3 0.5



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: 47.739 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.03 min

Lab File: VF059279.D

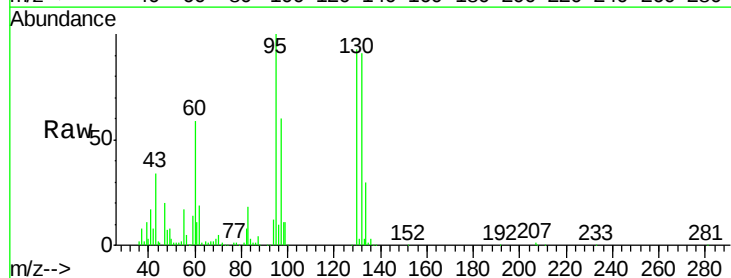
Acq: 22 Jun 2018 17:25

Tgt Ion: 130 Resp: 147080

Ion Ratio Lower Upper

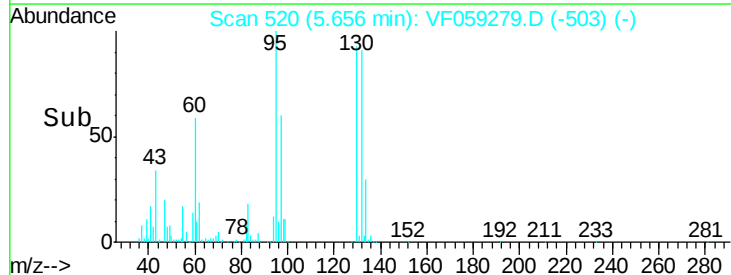
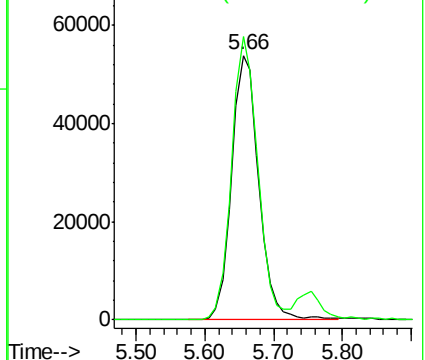
130 100

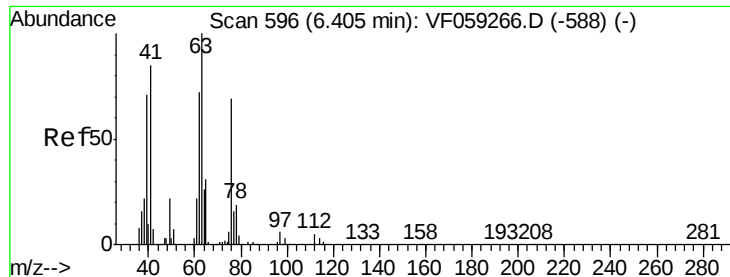
95 107.0 0.0 183.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 50.578 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

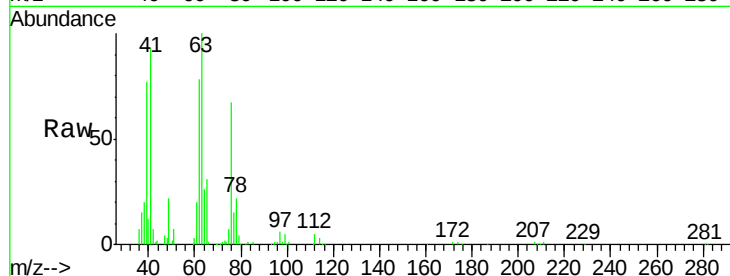
VSTDCCC050

Tgt Ion: 63 Resp: 131176

Ion Ratio Lower Upper

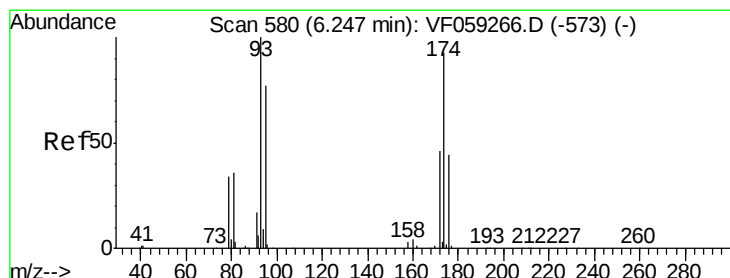
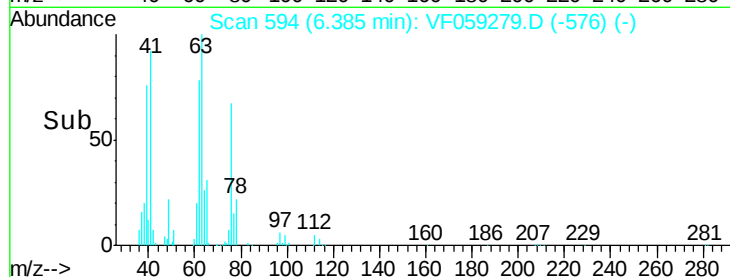
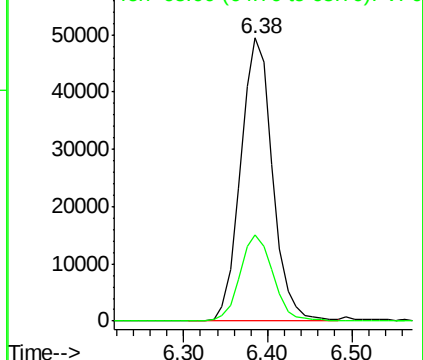
63 100

65 30.6 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 47.479 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

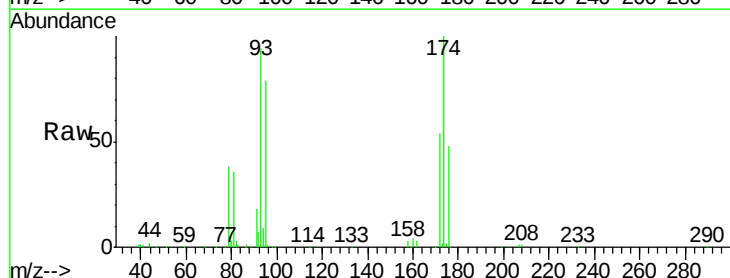
Tgt Ion: 93 Resp: 103925

Ion Ratio Lower Upper

93 100

95 85.4 61.8 92.6

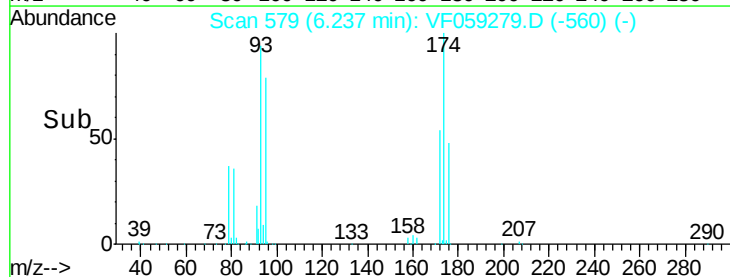
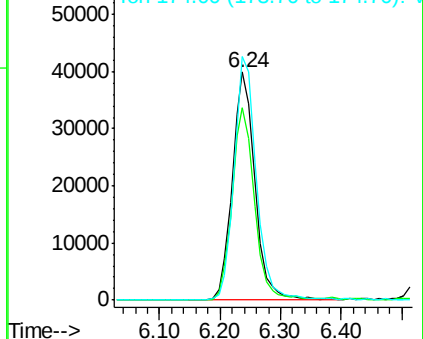
174 106.8 74.4 111.6

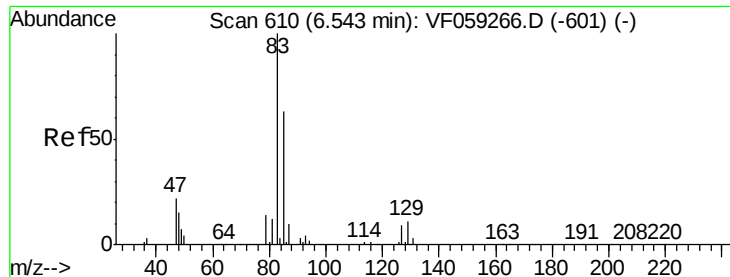


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 49.763 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

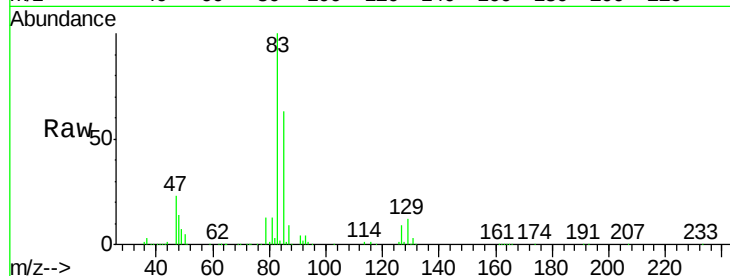
Tgt Ion: 83 Resp: 260804

Ion Ratio Lower Upper

83 100

85 62.9 50.3 75.5

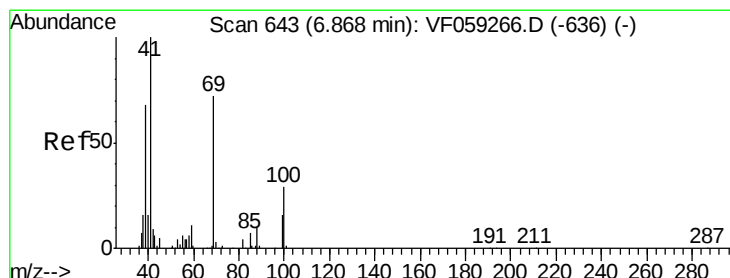
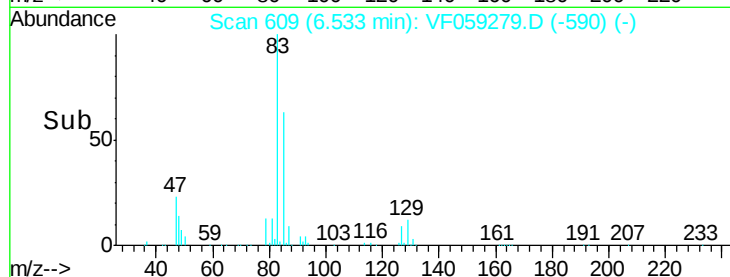
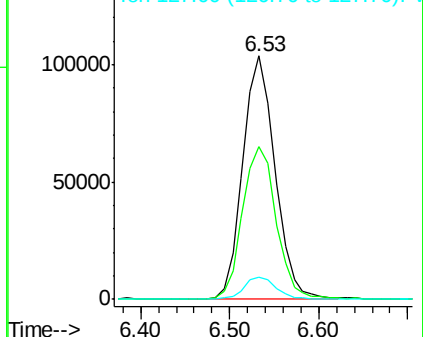
127 8.9 7.0 10.4



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: 50.455 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

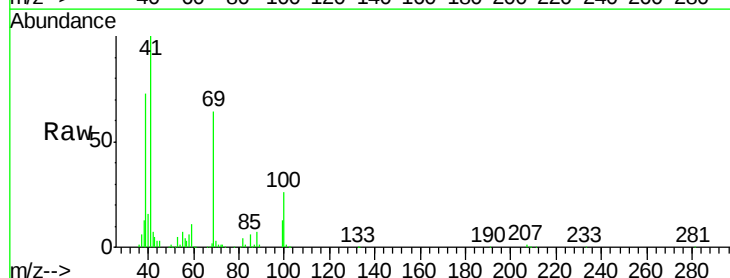
Tgt Ion: 41 Resp: 104783

Ion Ratio Lower Upper

41 100

69 63.7 57.4 86.2

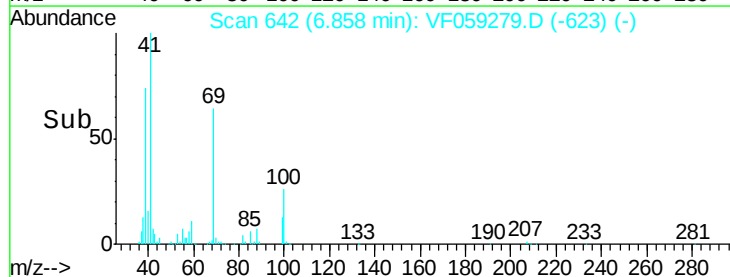
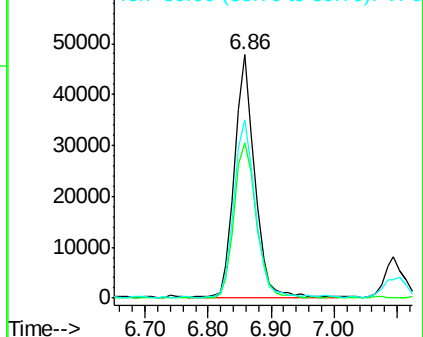
39 73.1 54.8 82.2

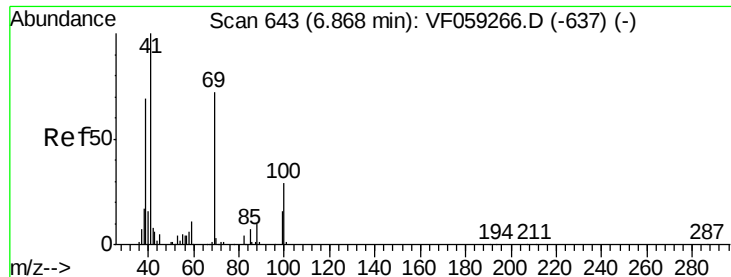


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 874.018 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

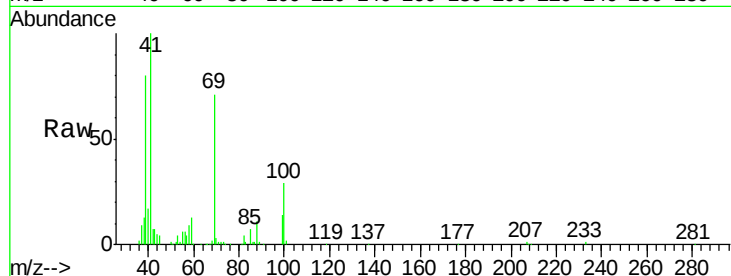
Tgt Ion: 88 Resp: 10527

Ion Ratio Lower Upper

88 100

43 60.5 55.5 83.3

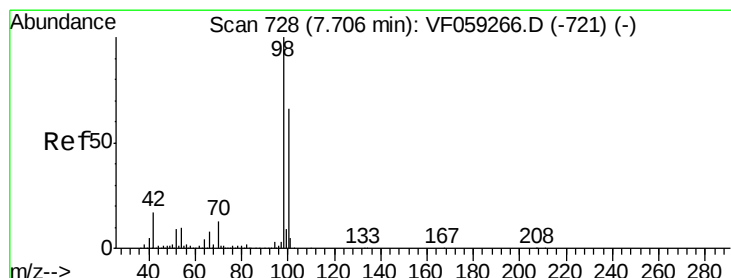
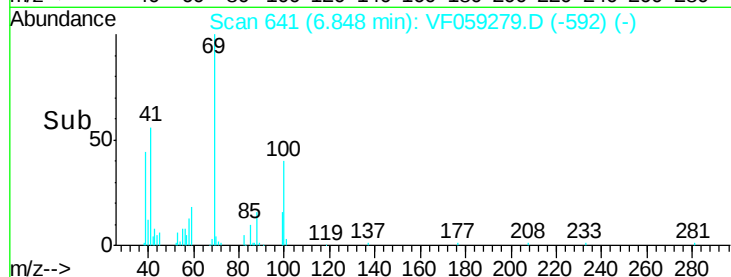
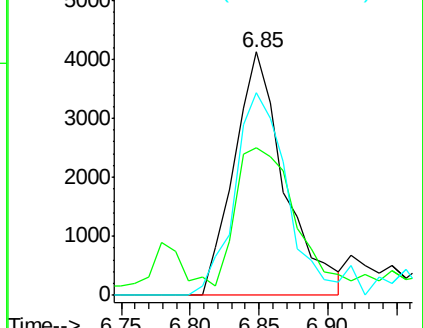
58 83.3 50.1 75.1#



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: 47.414 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059279.D

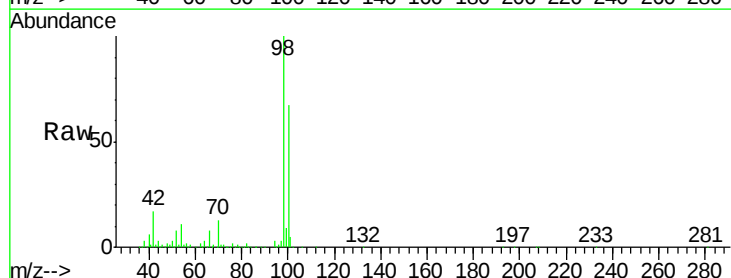
Acq: 22 Jun 2018 17:25

Tgt Ion: 98 Resp: 404545

Ion Ratio Lower Upper

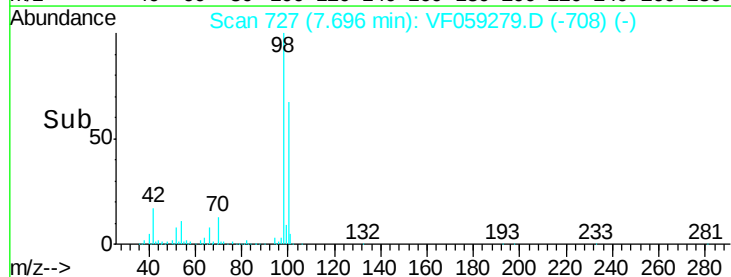
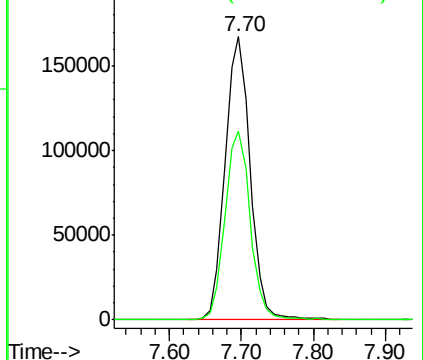
98 100

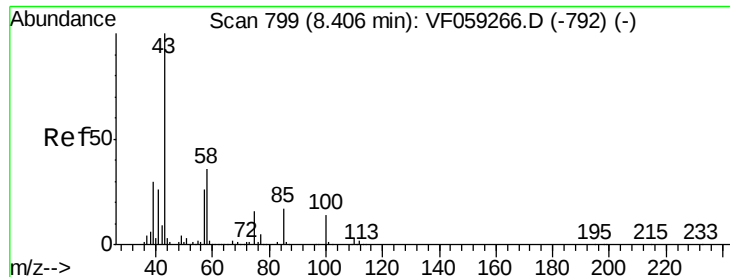
100 66.7 52.8 79.2



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: 233.808 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

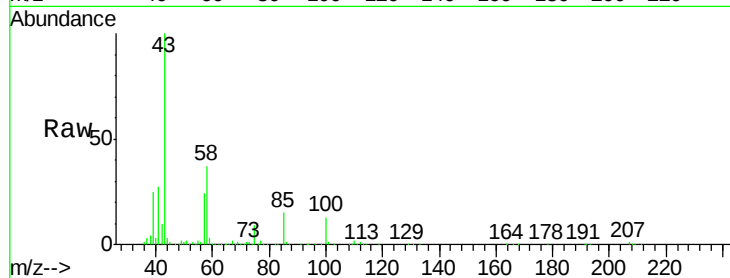
VSTDCCC050

Tgt Ion: 43 Resp: 546995

Ion Ratio Lower Upper

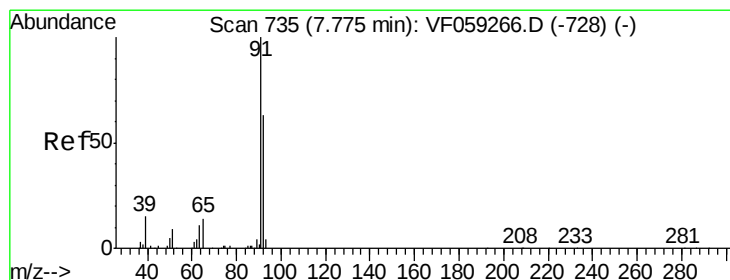
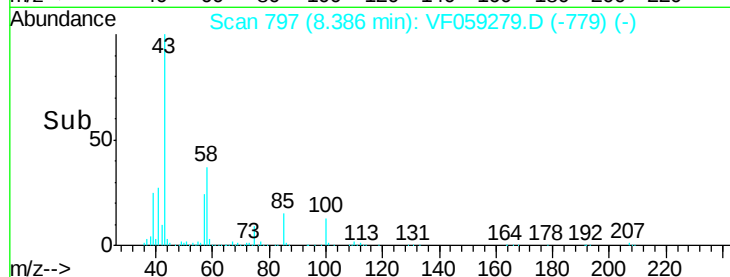
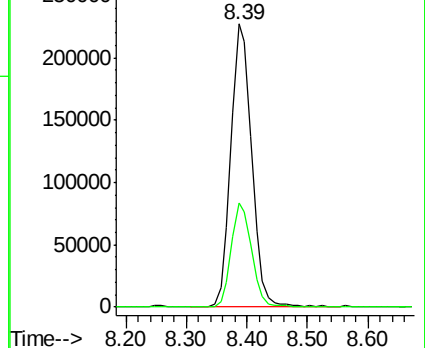
43 100

58 37.0 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 46.187 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059279.D

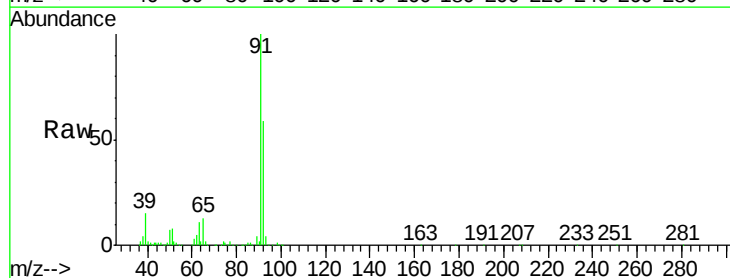
Acq: 22 Jun 2018 17:25

Tgt Ion: 92 Resp: 316889

Ion Ratio Lower Upper

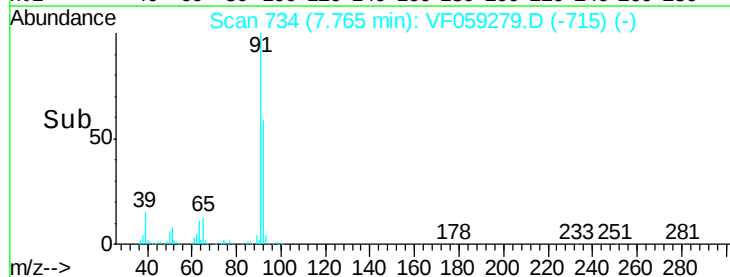
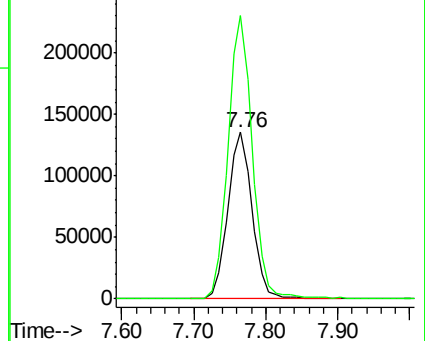
92 100

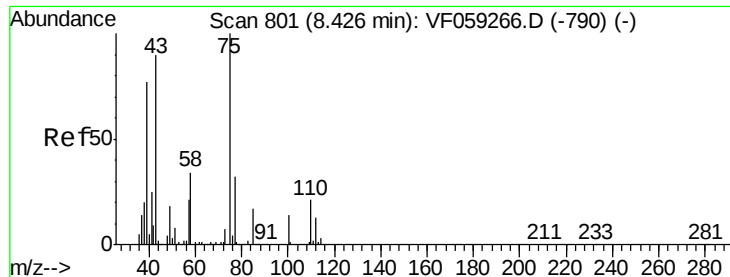
91 169.8 127.8 191.6



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 47.105 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

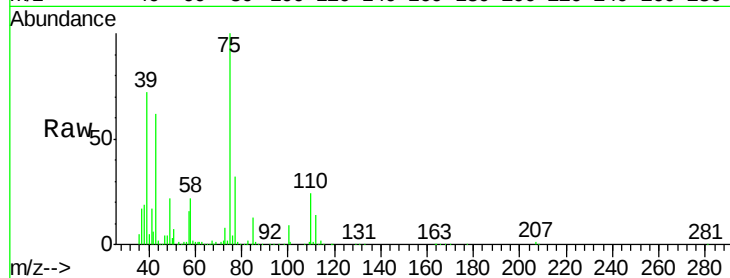
VSTDCCC050

Tgt Ion: 75 Resp: 231772

Ion Ratio Lower Upper

75 100

77 32.5 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.42

100000

80000

60000

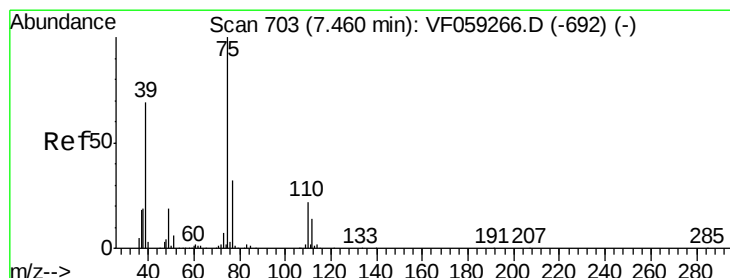
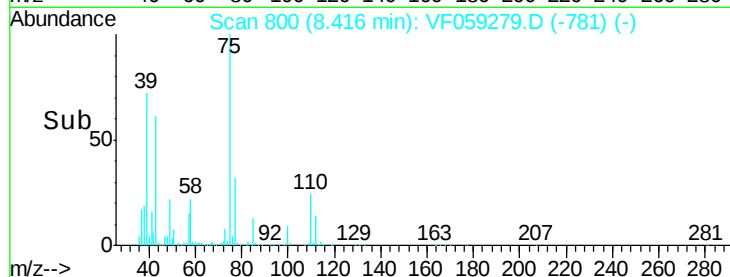
40000

20000

0

8.30 8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.211 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

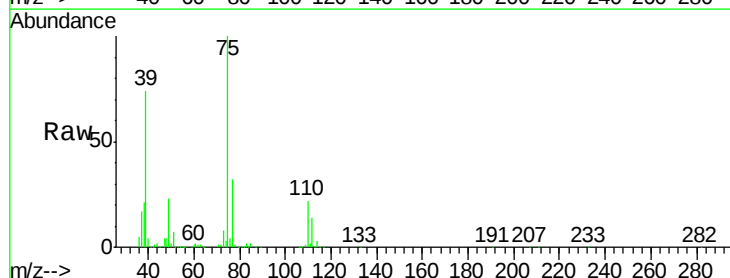
Tgt Ion: 75 Resp: 255643

Ion Ratio Lower Upper

75 100

77 32.3 26.0 39.0

39 73.9 55.5 83.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.44

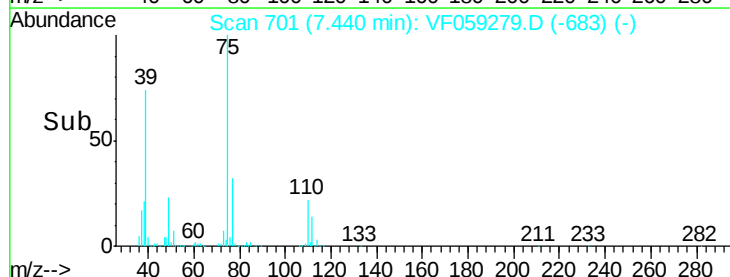
100000

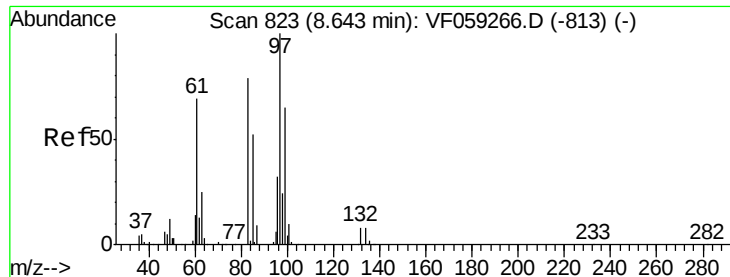
50000

0

7.30 7.40 7.50 7.60

Time-->





#55

1,1,2-Trichloroethane

Concen: 47.626 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 126139

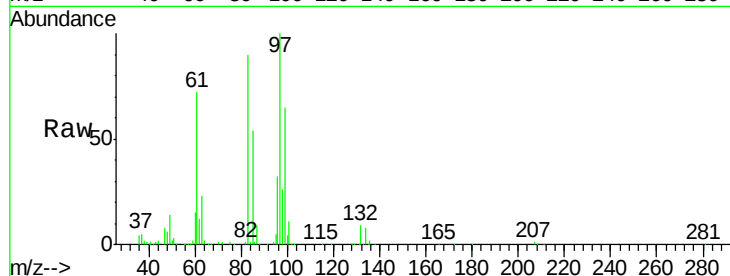
Ion Ratio Lower Upper

97 100

83 90.3 63.2 94.8

85 54.3 41.8 62.6

99 65.2 51.7 77.5

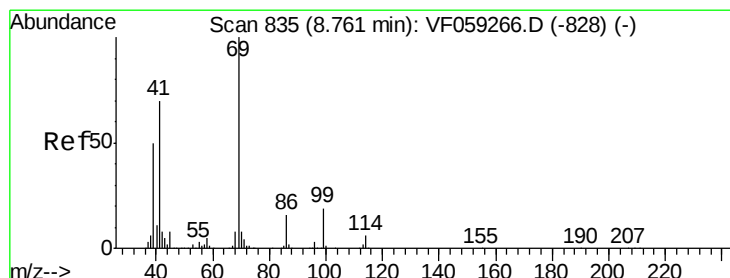
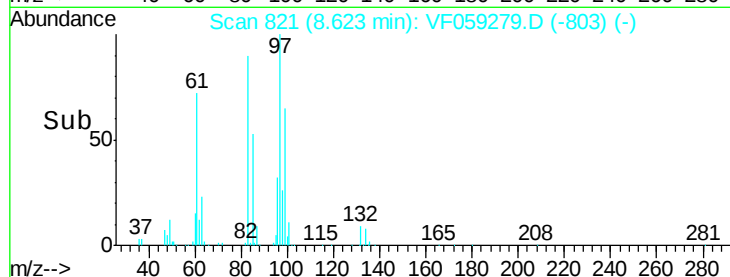
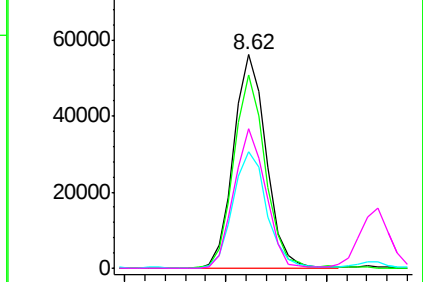


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 49.490 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

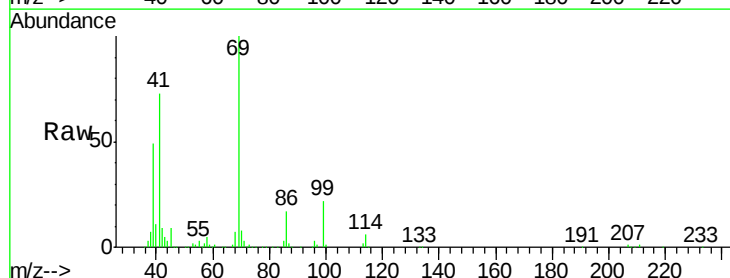
Tgt Ion: 69 Resp: 149871

Ion Ratio Lower Upper

69 100

41 72.9 56.6 85.0

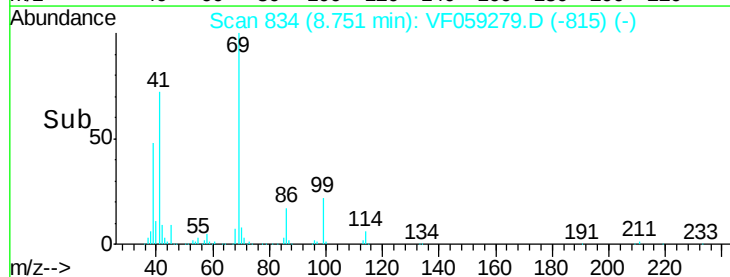
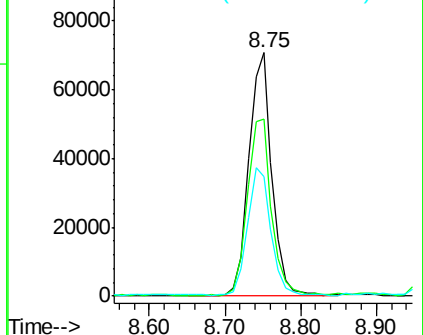
39 48.8 40.5 60.7

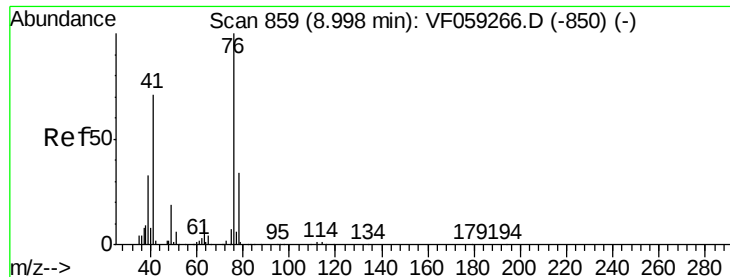


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 48.364 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

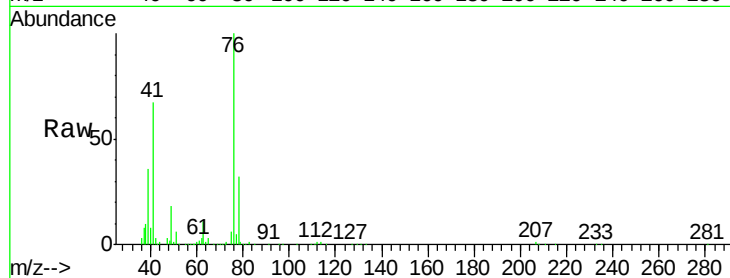
VSTDCCC050

Tgt Ion: 76 Resp: 211863

Ion Ratio Lower Upper

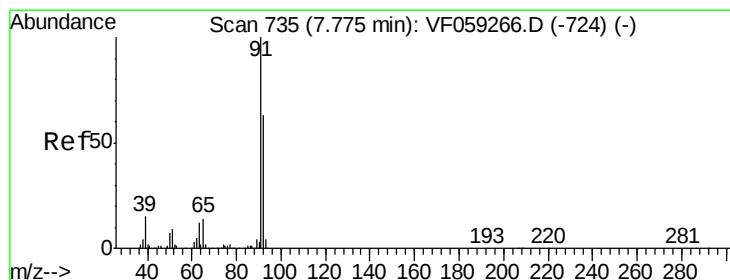
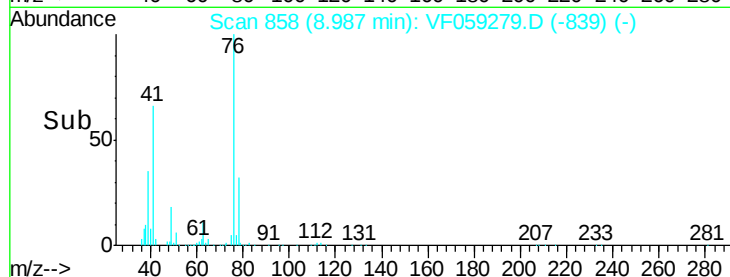
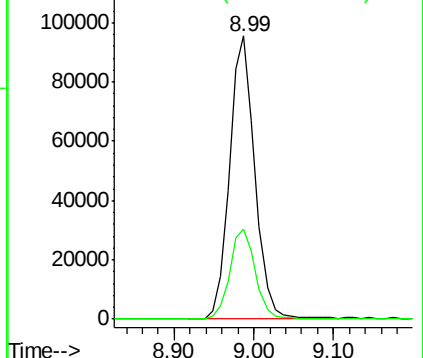
76 100

78 31.9 27.5 41.3



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 232.634 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059279.D

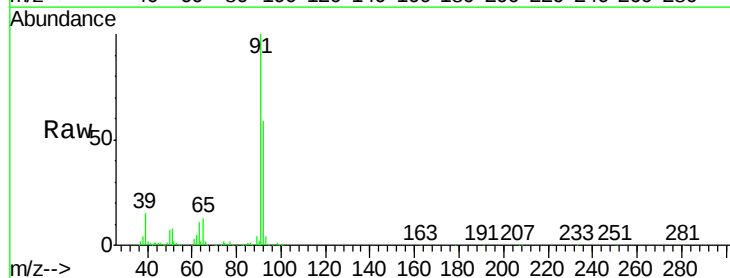
Acq: 22 Jun 2018 17:25

Tgt Ion: 63 Resp: 56338

Ion Ratio Lower Upper

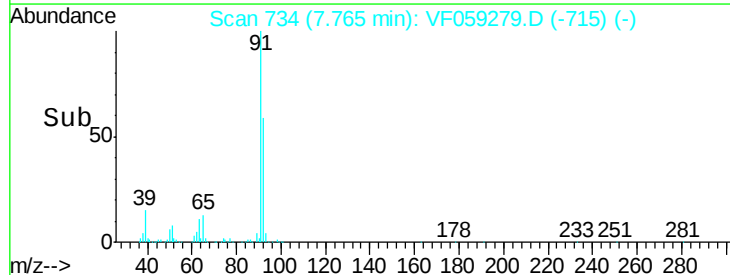
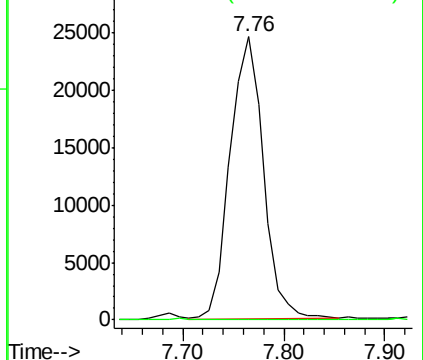
63 100

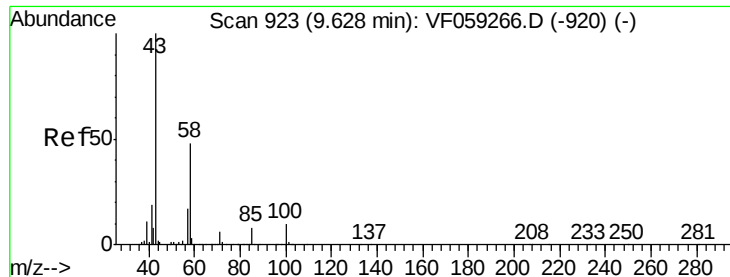
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

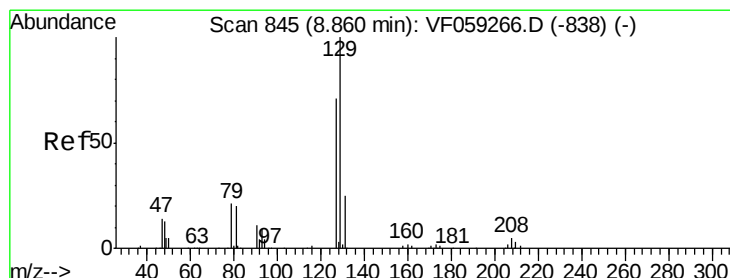
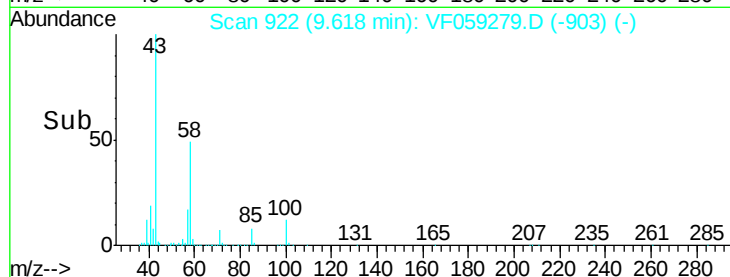
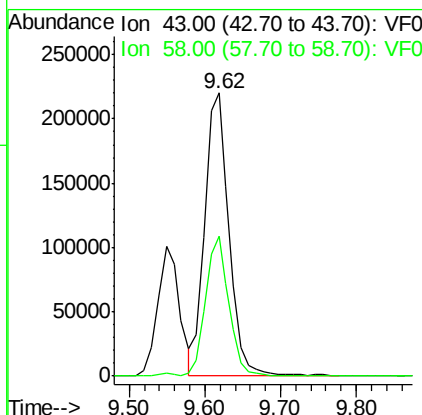
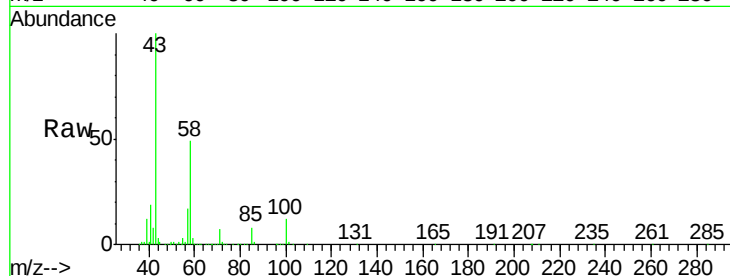




#59
2-Hexanone
Concen: 263.652 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

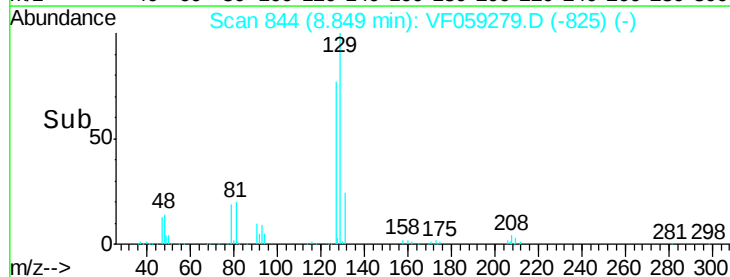
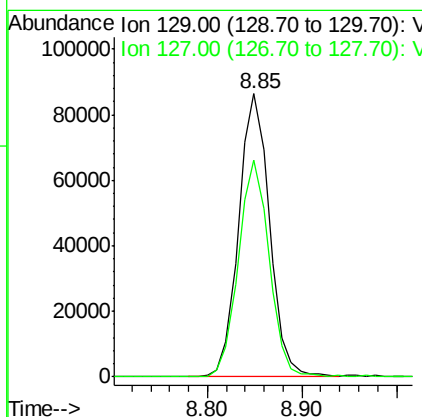
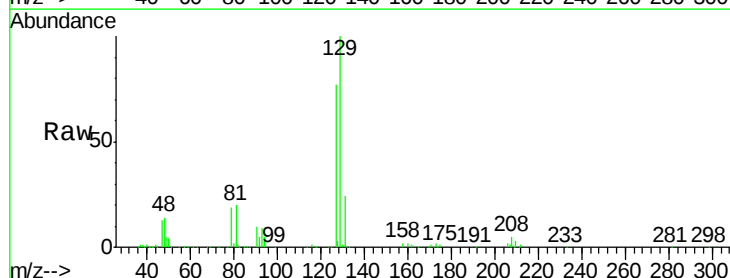
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

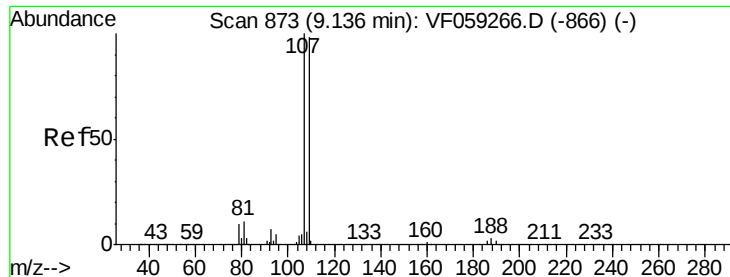
Tgt Ion: 43 Resp: 489019
Ion Ratio Lower Upper
43 100
58 49.3 23.3 69.9



#60
Dibromochloromethane
Concen: 50.038 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion: 129 Resp: 195005
Ion Ratio Lower Upper
129 100
127 76.7 35.4 106.2





#61

1,2-Dibromoethane

Concen: 48.730 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

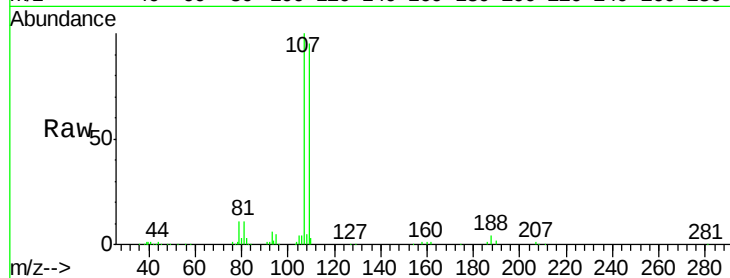
VSTDCCC050

Tgt Ion: 107 Resp: 148677

Ion Ratio Lower Upper

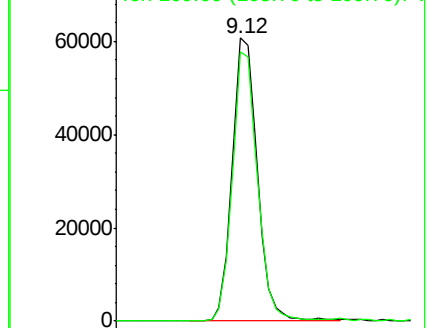
107 100

109 95.1 78.0 117.0

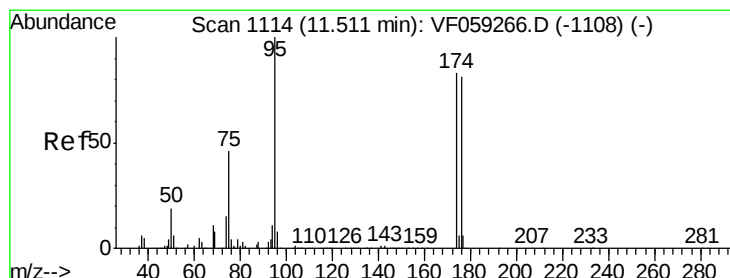
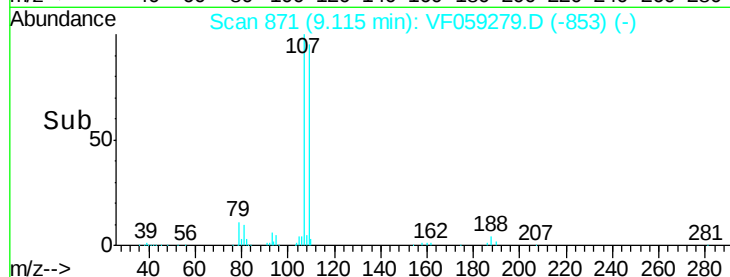


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->



#62

4-Bromofluorobenzene

Concen: 47.539 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

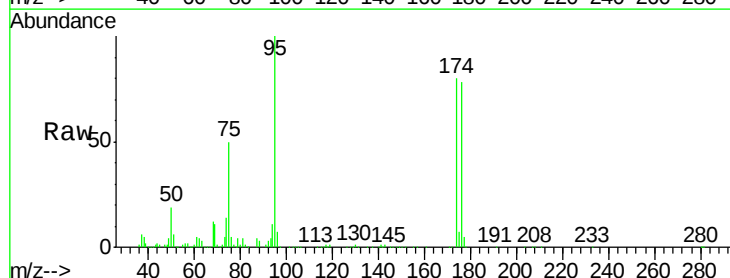
Tgt Ion: 95 Resp: 224921

Ion Ratio Lower Upper

95 100

174 80.0 0.0 166.2

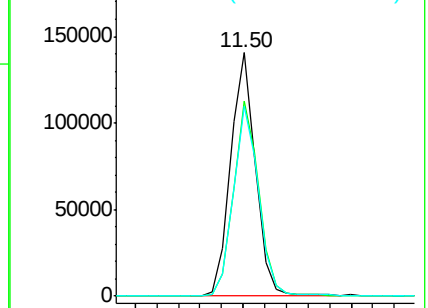
176 77.9 0.0 162.8



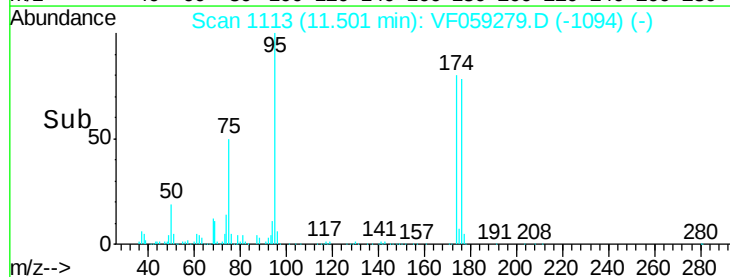
Abundance Ion 95.00 (94.70 to 95.70): VF0

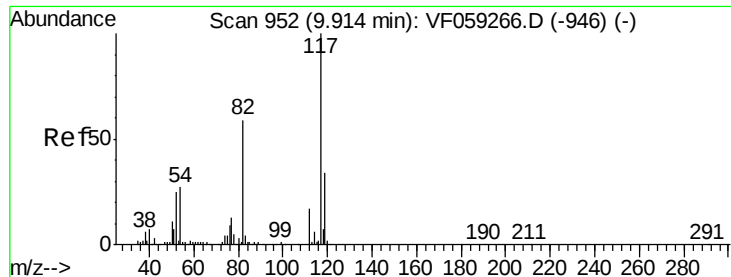
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



Time-->

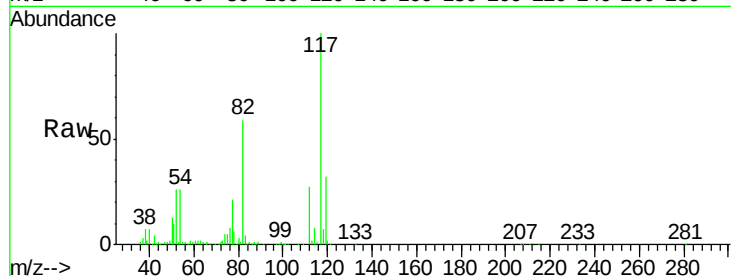




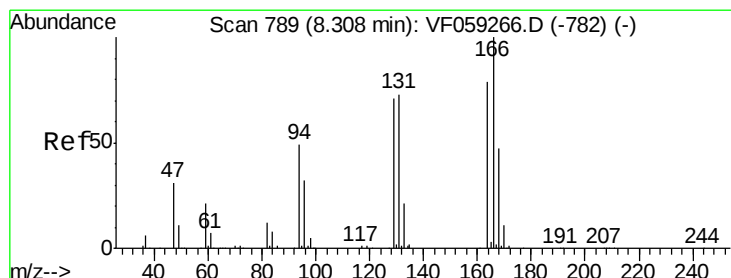
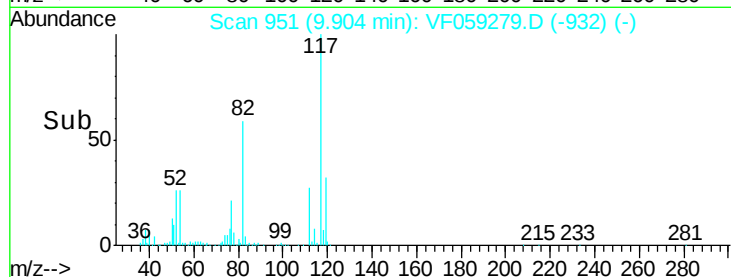
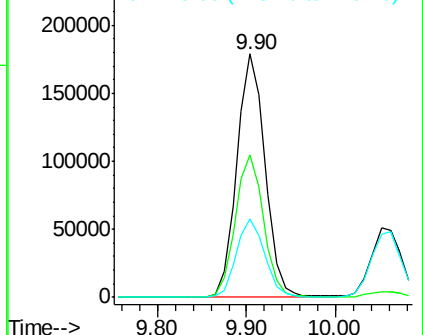
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 396622
Ion Ratio Lower Upper
117 100
82 58.8 47.1 70.7
119 32.1 26.9 40.3

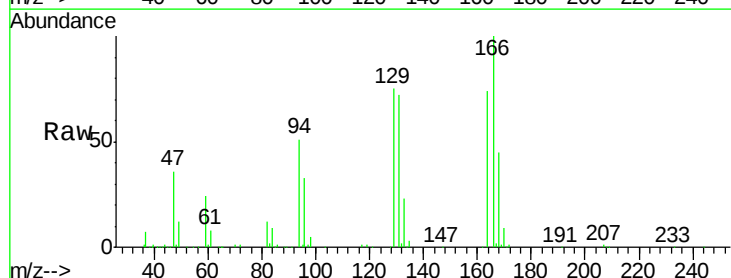


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

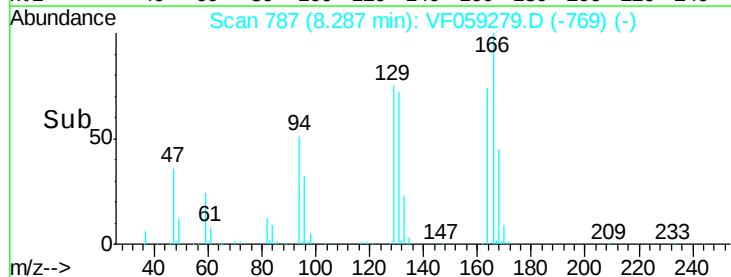
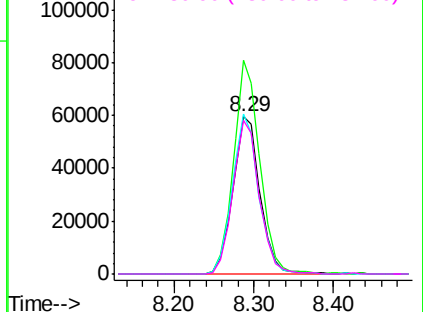


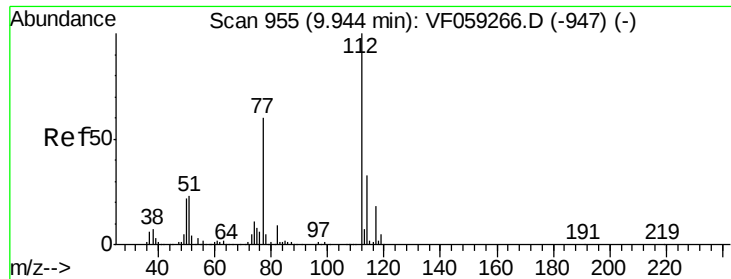
#64
Tetrachloroethene
Concen: 46.140 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion:164 Resp: 140545
Ion Ratio Lower Upper
164 100
166 135.9 101.4 152.2
129 101.6 72.2 108.4
131 98.1 73.8 110.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

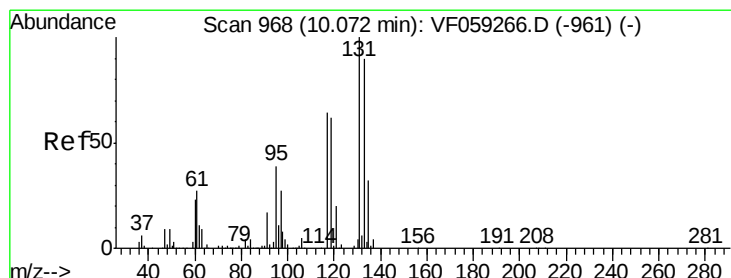
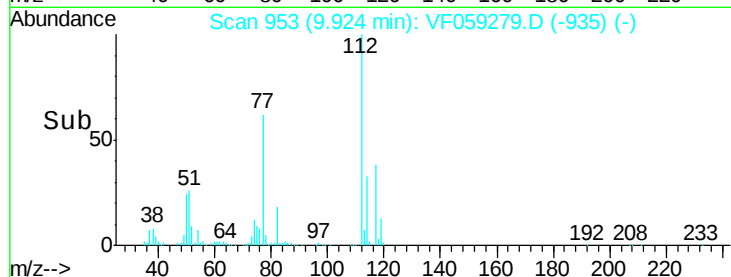
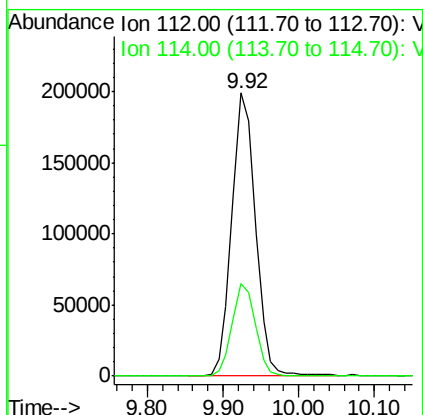
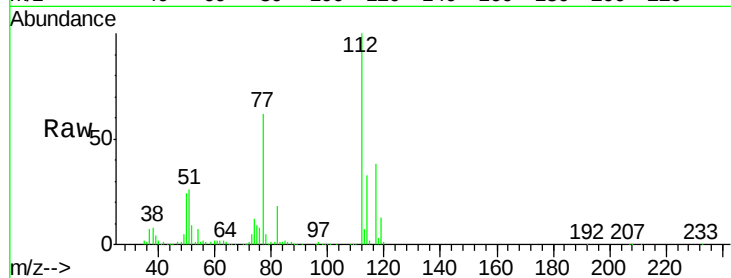




#65
Chlorobenzene
Concen: 51.161 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.02 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

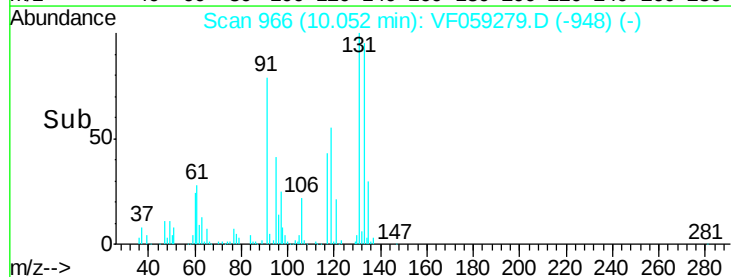
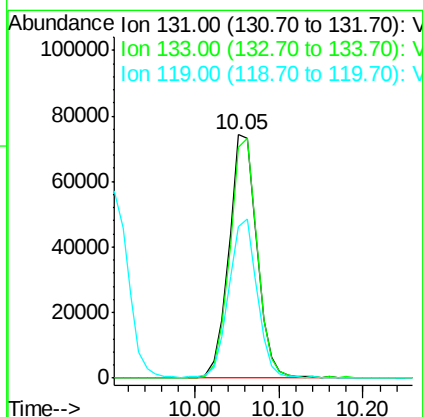
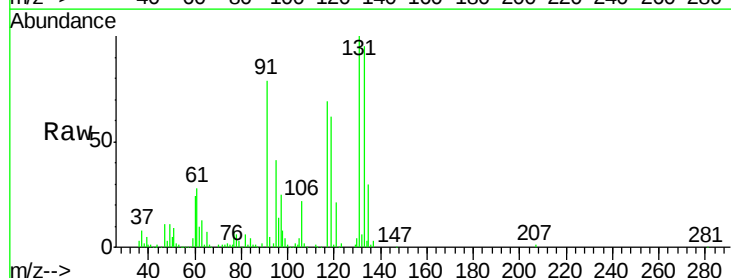
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

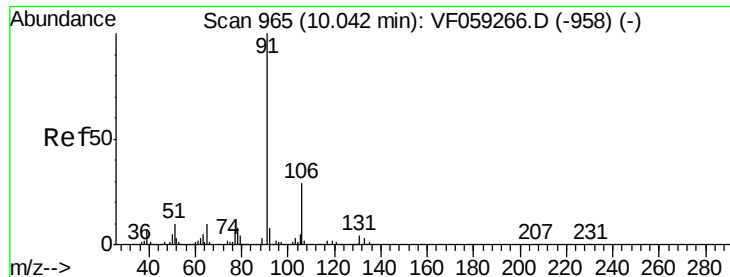
Tgt Ion:112 Resp: 431799
Ion Ratio Lower Upper
112 100
114 32.6 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.008 ug/l
RT: 10.05 min Scan# 966
Delta R.T. -0.02 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion:131 Resp: 172311
Ion Ratio Lower Upper
131 100
133 94.9 45.1 135.2
119 62.1 31.2 93.6





#67

Ethyl Benzene

Concen: 49.202 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

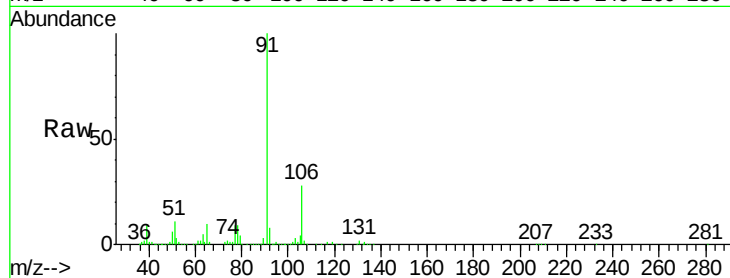
VSTDCCC050

Tgt Ion: 91 Resp: 704920

Ion Ratio Lower Upper

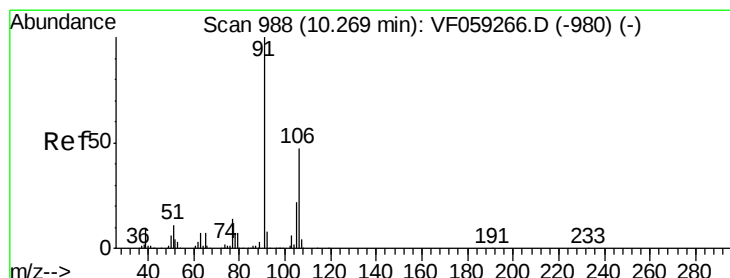
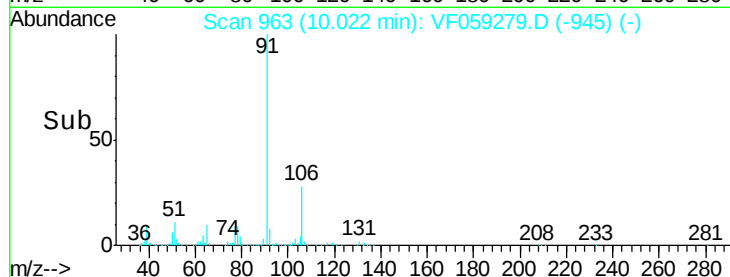
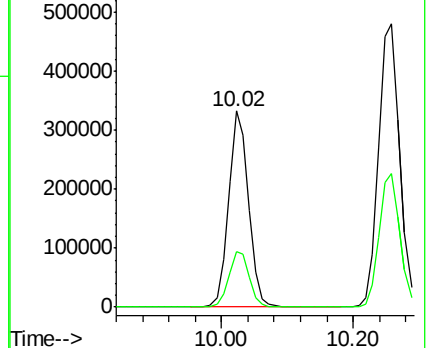
91 100

106 28.5 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 97.482 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059279.D

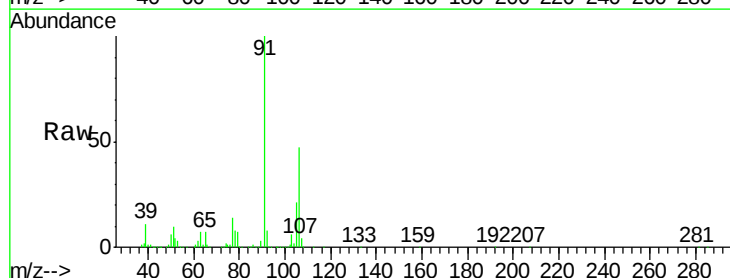
Acq: 22 Jun 2018 17:25

Tgt Ion: 106 Resp: 502036

Ion Ratio Lower Upper

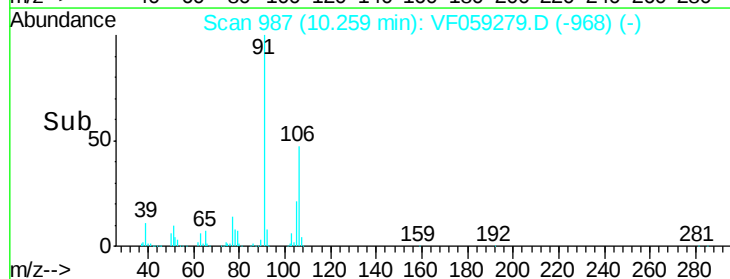
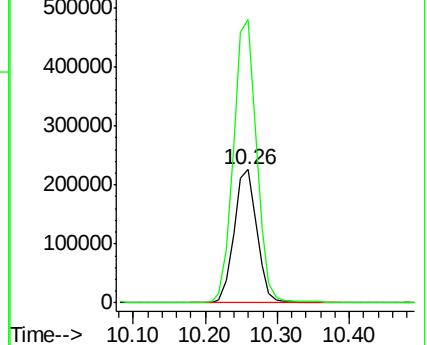
106 100

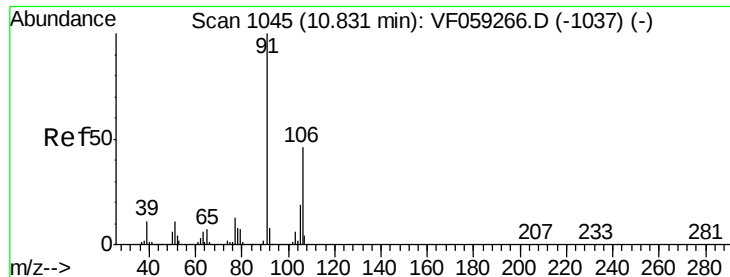
91 212.5 168.8 253.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

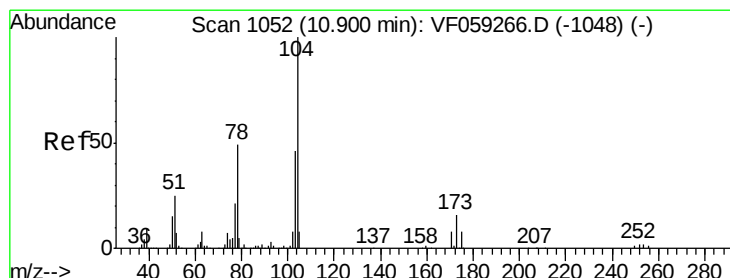
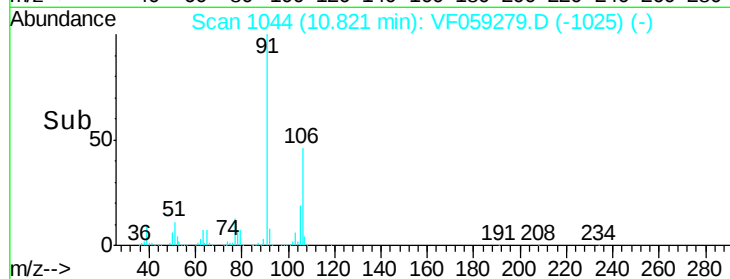
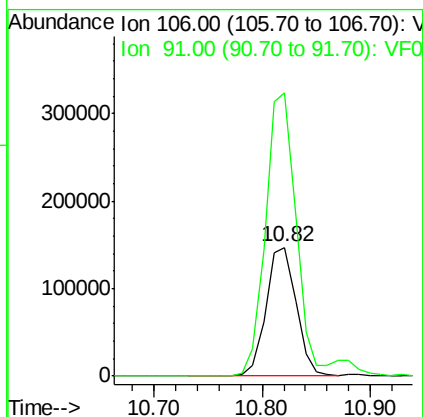
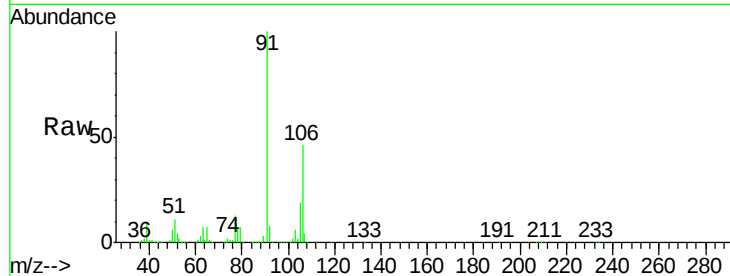




#69
o-Xylene
Concen: 50.177 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

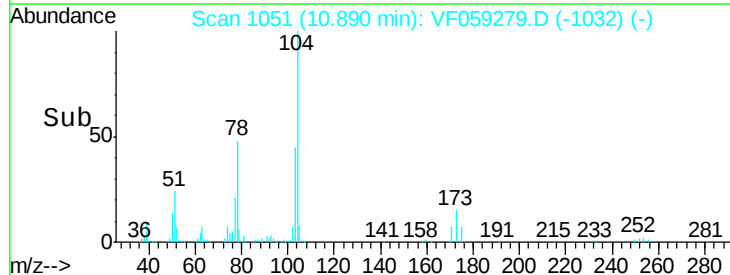
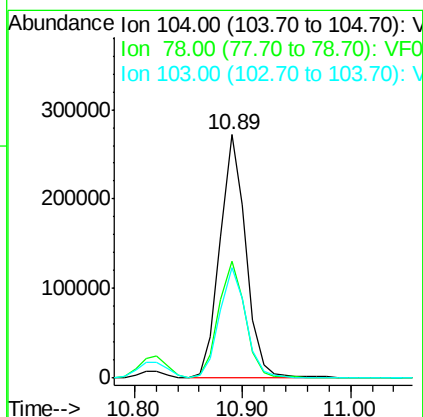
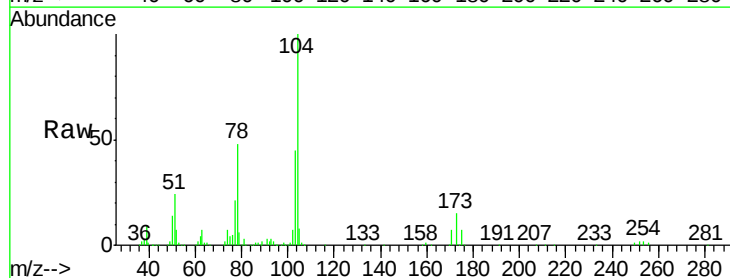
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

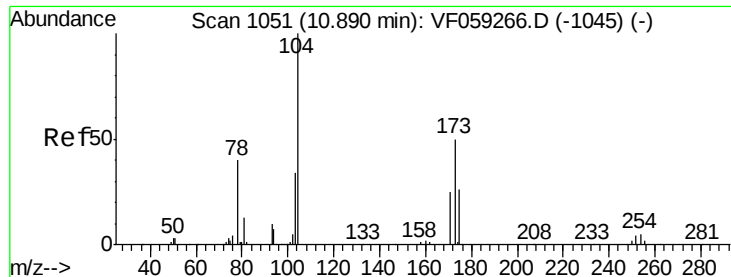
Tgt Ion:106 Resp: 285416
Ion Ratio Lower Upper
106 100
91 219.5 109.1 327.4



#70
Styrene
Concen: 52.607 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion:104 Resp: 451145
Ion Ratio Lower Upper
104 100
78 47.8 39.3 58.9
103 45.1 36.6 55.0





#71

Bromoform

Concen: 50.544 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

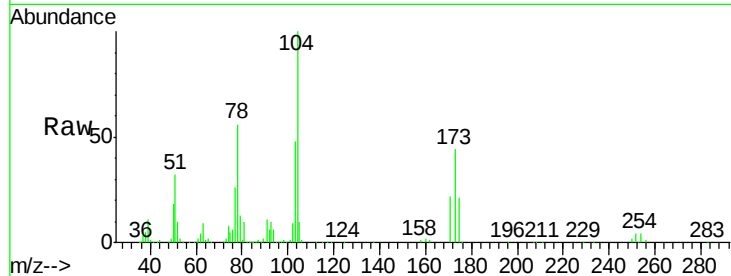
Tgt Ion:173 Resp: 126736

Ion Ratio Lower Upper

173 100

175 47.3 25.4 76.4

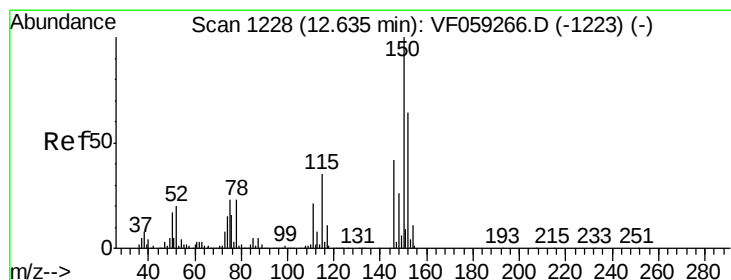
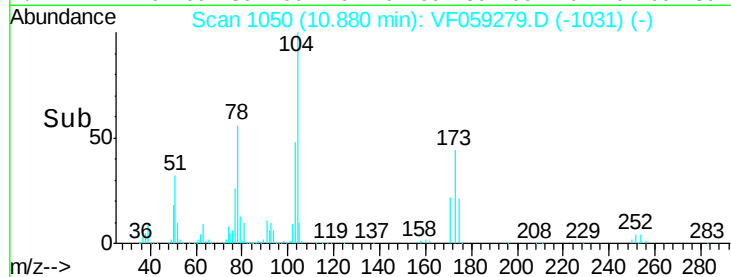
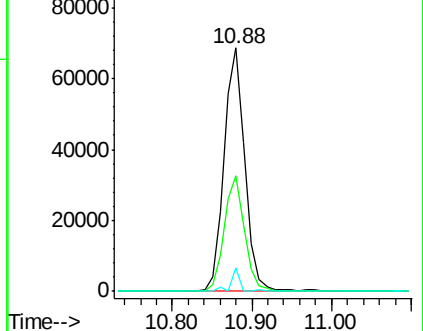
254 9.9 0.0 0.0#



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: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

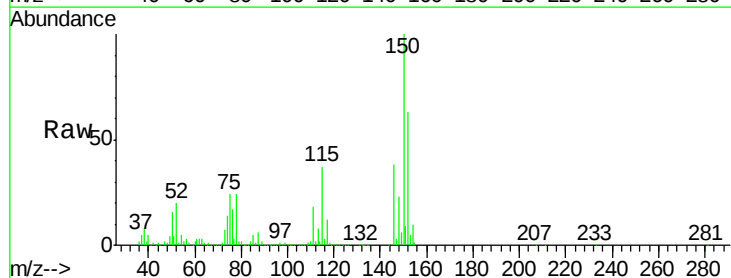
Tgt Ion:152 Resp: 241836

Ion Ratio Lower Upper

152 100

115 58.7 27.8 83.3

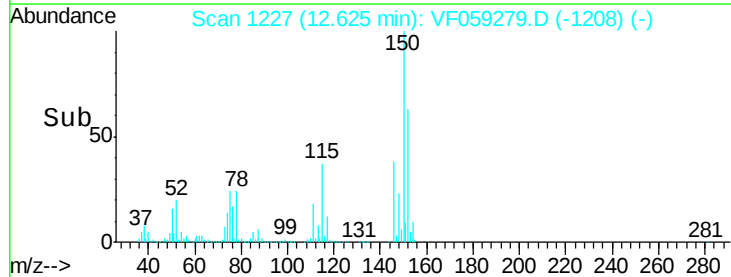
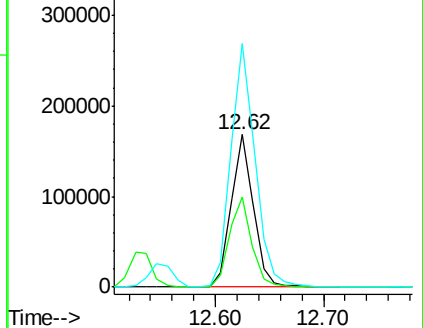
150 159.6 0.0 313.8

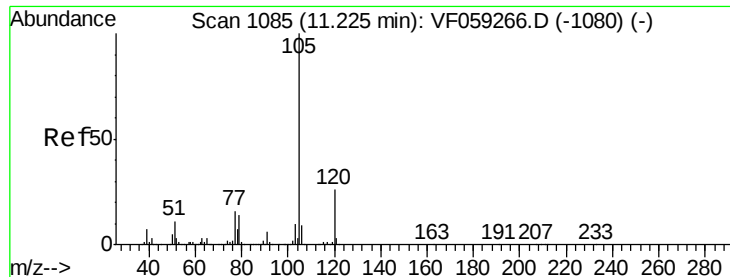


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 50.425 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

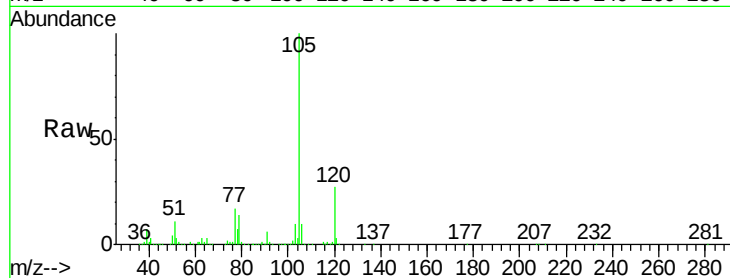
VSTDCCC050

Tgt Ion: 105 Resp: 840021

Ion Ratio Lower Upper

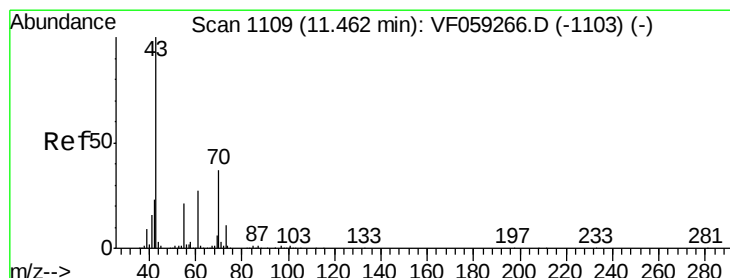
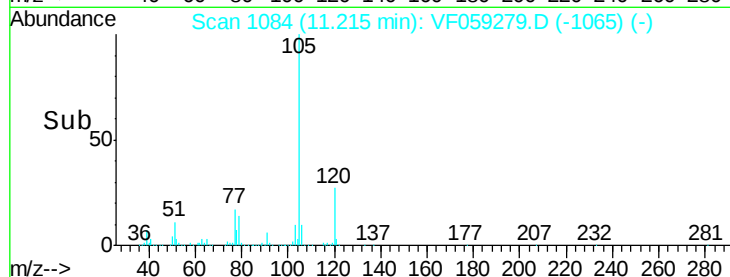
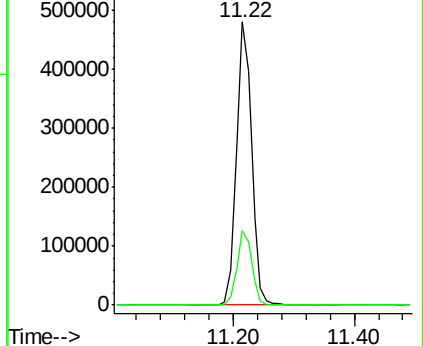
105 100

120 26.5 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.007 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Tgt Ion: 43 Resp: 288333

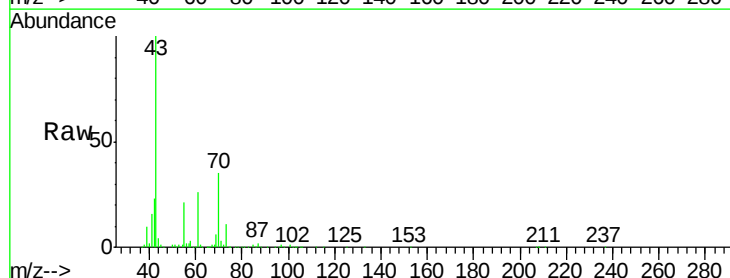
Ion Ratio Lower Upper

43 100

70 34.8 29.6 44.4

55 21.1 17.0 25.4

61 26.4 21.4 32.2

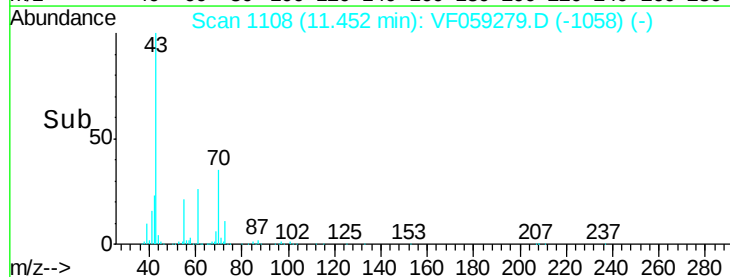
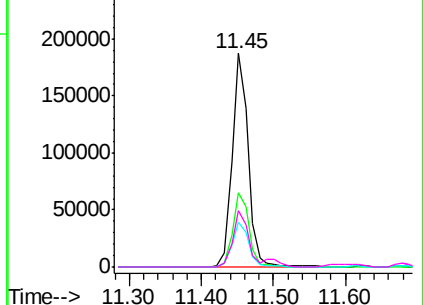


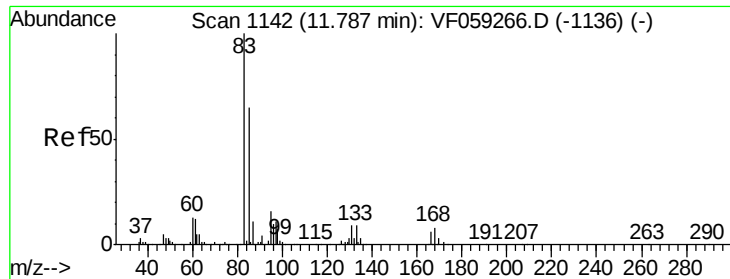
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.731 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

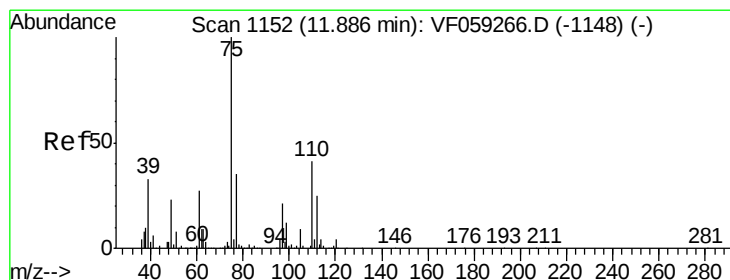
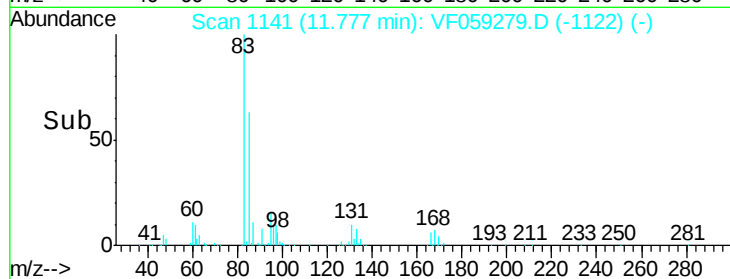
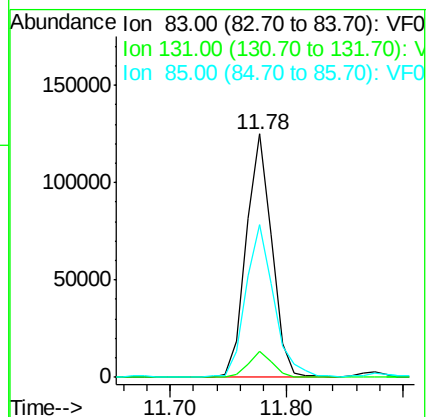
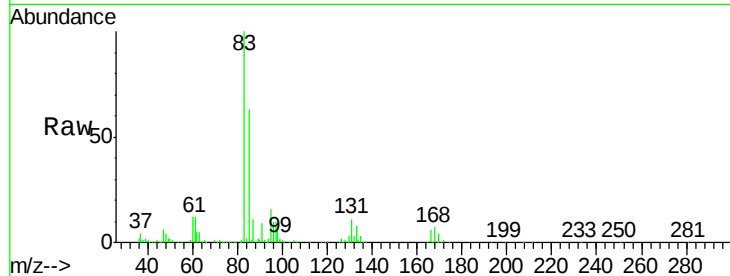
Tgt Ion: 83 Resp: 190477

Ion Ratio Lower Upper

83 100

131 10.5 4.8 14.3

85 62.8 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 50.538 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059279.D

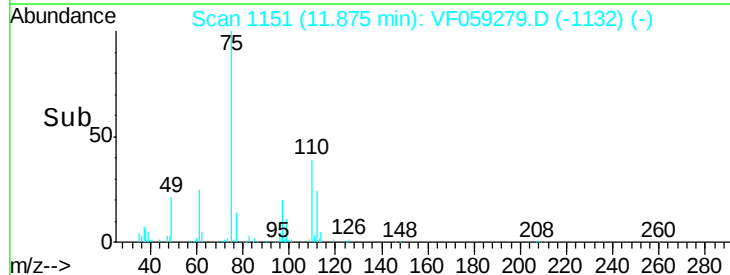
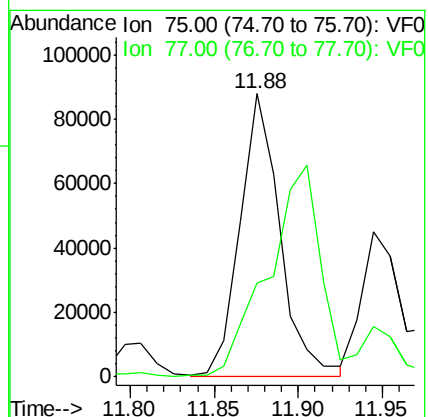
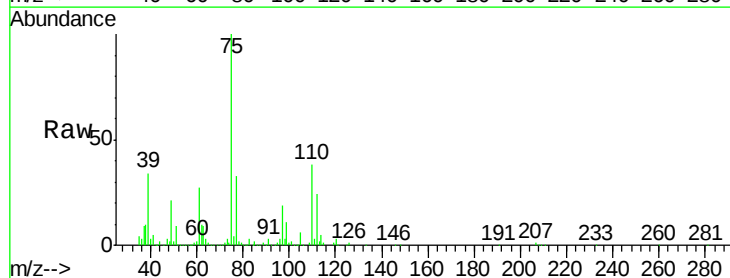
Acq: 22 Jun 2018 17:25

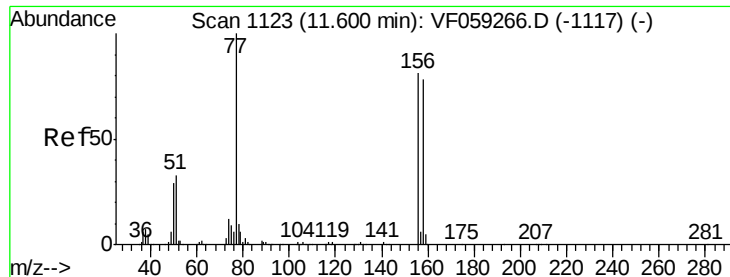
Tgt Ion: 75 Resp: 144640

Ion Ratio Lower Upper

75 100

77 33.2 17.4 52.2





#77

Bromobenzene

Concen: 48.707 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

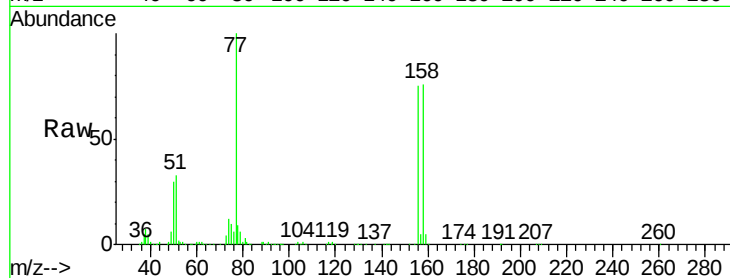
Tgt Ion: 156 Resp: 219218

Ion Ratio Lower Upper

156 100

77 132.6 61.7 185.0

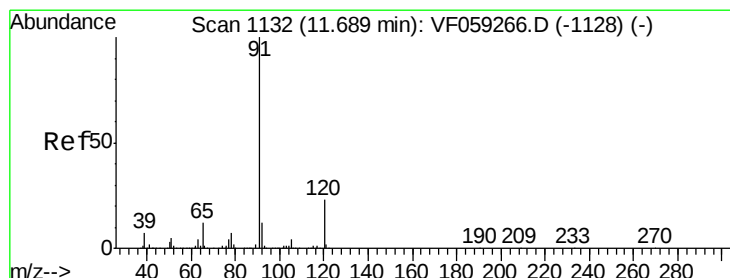
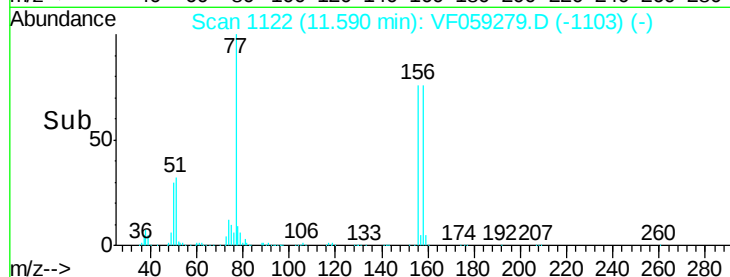
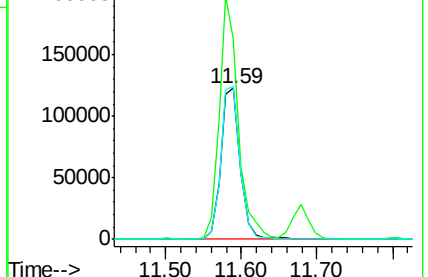
158 100.7 48.2 144.6



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: 50.308 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059279.D

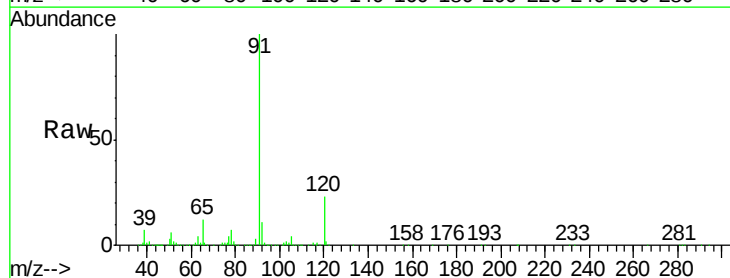
Acq: 22 Jun 2018 17:25

Tgt Ion: 91 Resp: 991597

Ion Ratio Lower Upper

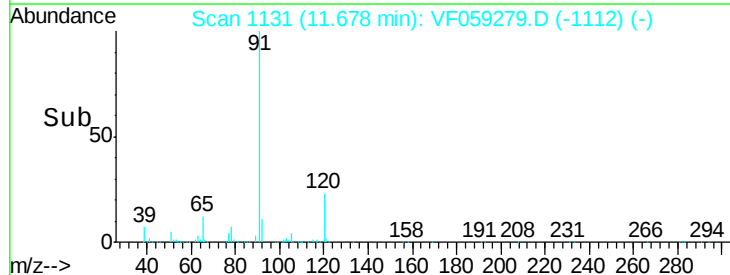
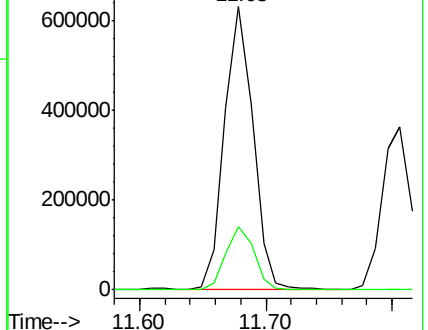
91 100

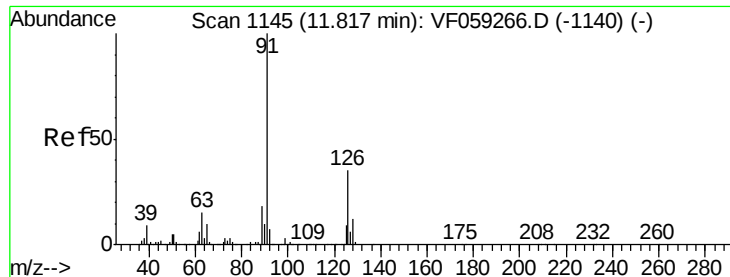
120 22.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.440 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

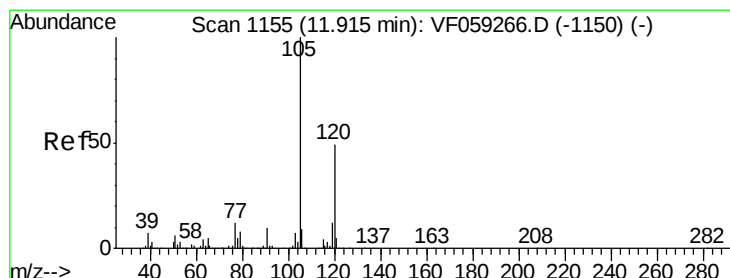
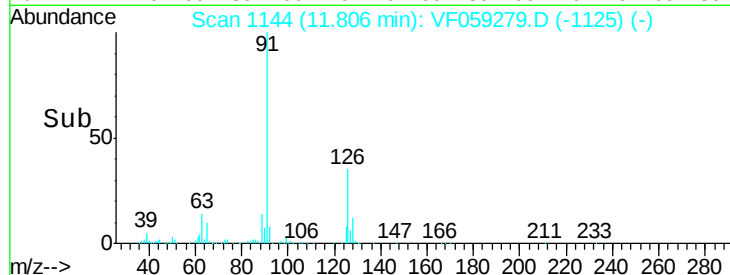
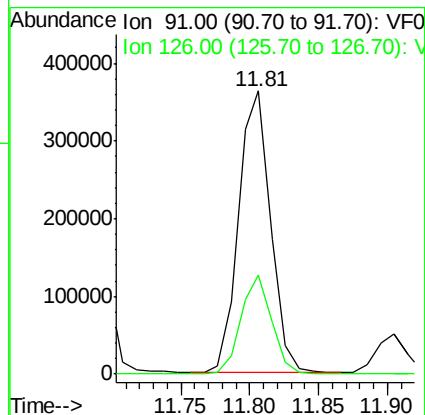
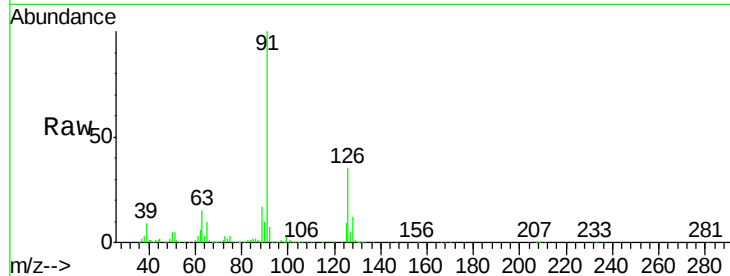
VSTDCCC050

Tgt Ion: 91 Resp: 584272

Ion Ratio Lower Upper

91 100

126 34.9 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 50.699 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059279.D

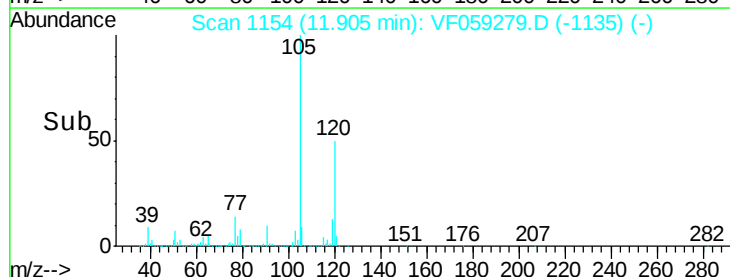
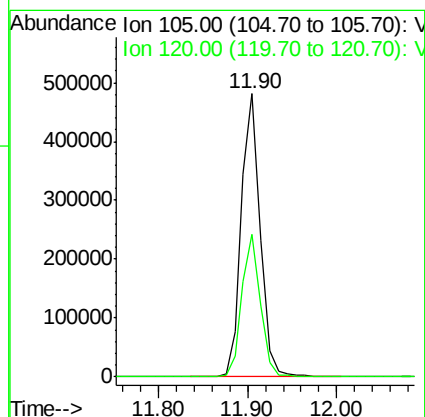
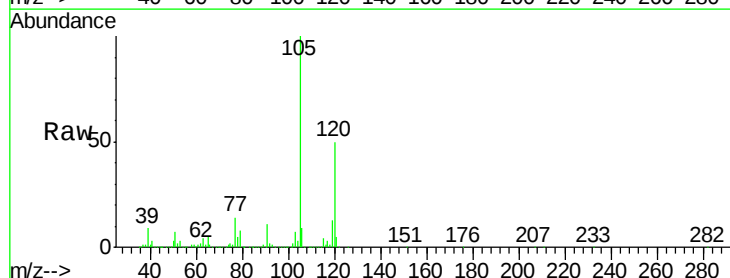
Acq: 22 Jun 2018 17:25

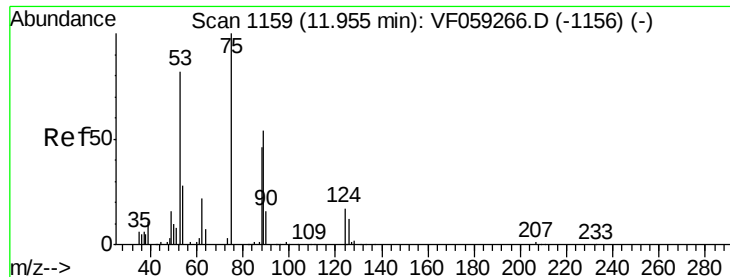
Tgt Ion: 105 Resp: 714097

Ion Ratio Lower Upper

105 100

120 50.3 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.087 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

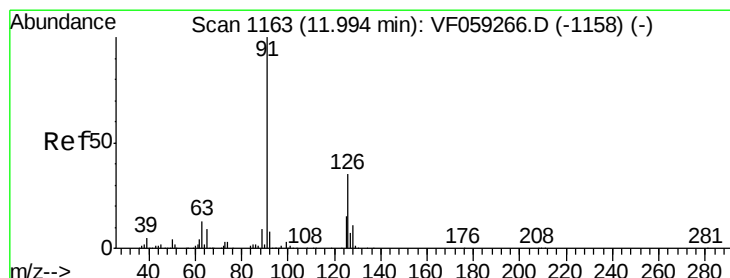
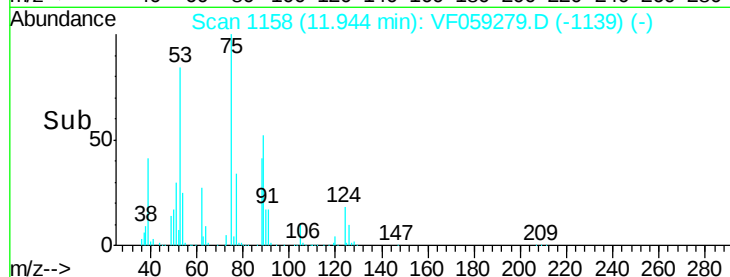
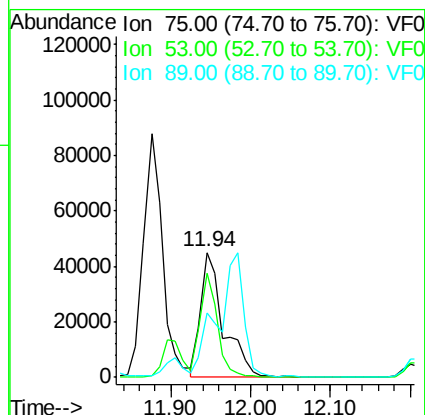
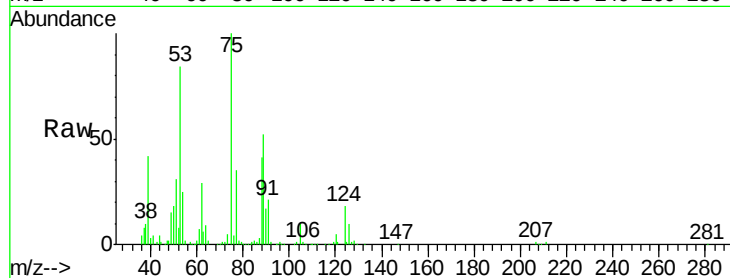
Tgt Ion: 75 Resp: 89967

Ion Ratio Lower Upper

75 100

53 83.7 70.2 105.2

89 51.5 45.3 67.9



#82

4-Chlorotoluene

Concen: 49.901 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059279.D

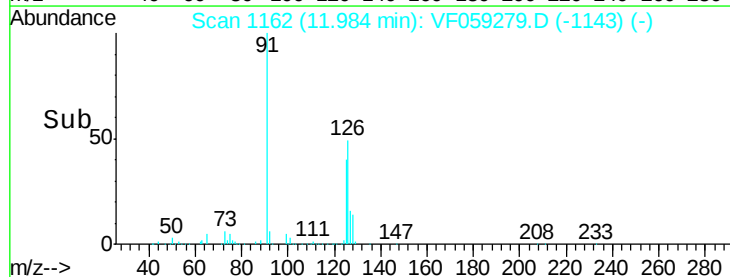
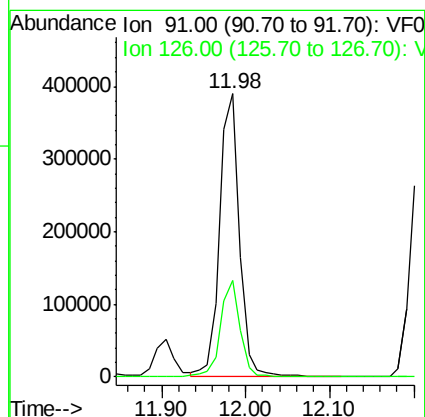
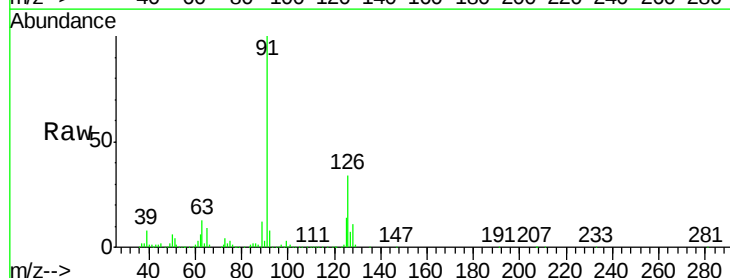
Acq: 22 Jun 2018 17:25

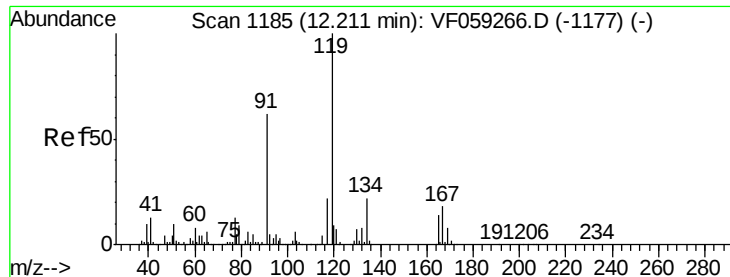
Tgt Ion: 91 Resp: 633432

Ion Ratio Lower Upper

91 100

126 33.9 17.6 52.8

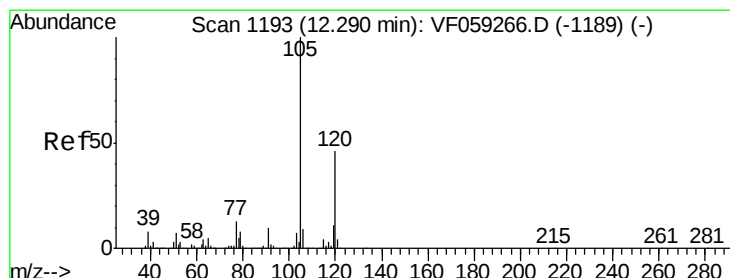
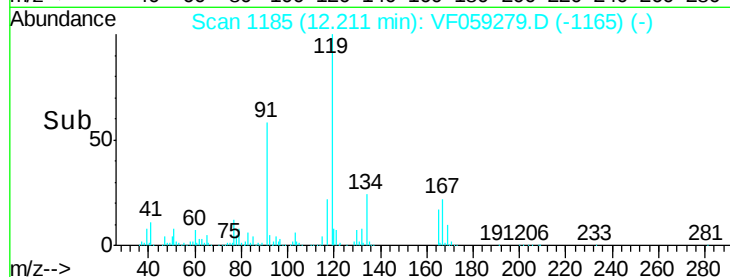
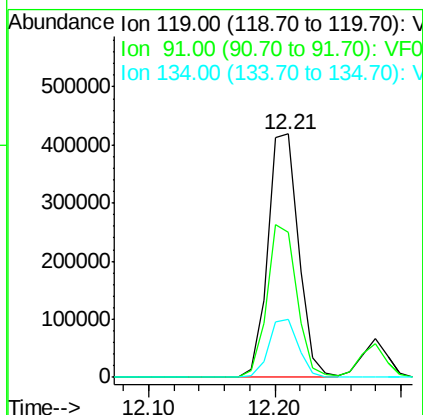
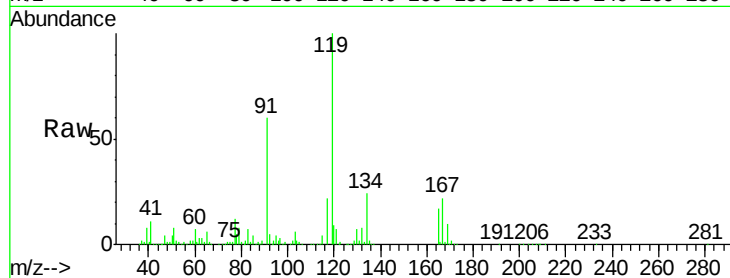




#83
 tert-Butylbenzene
 Concen: 50.063 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

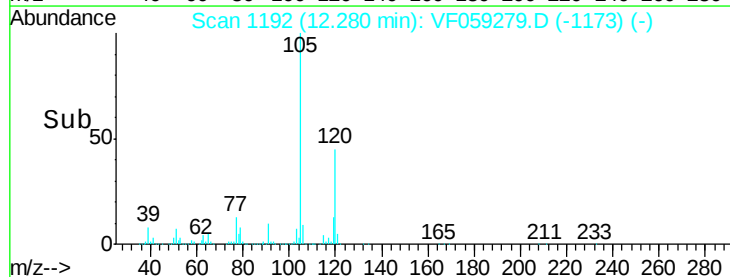
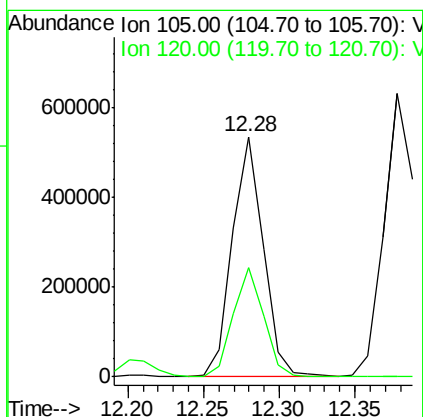
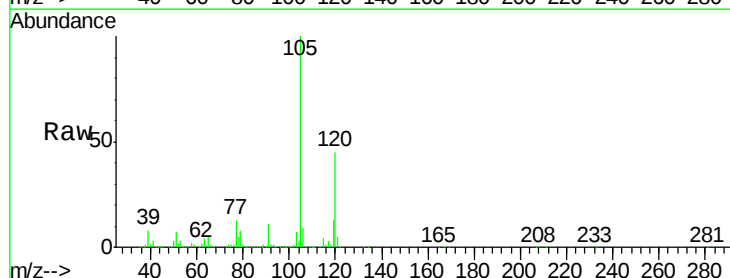
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

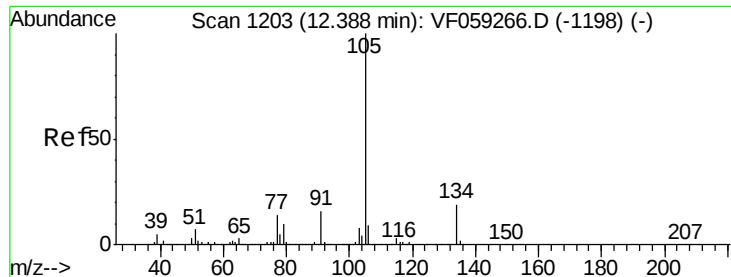
Tgt Ion:119 Resp: 713744
 Ion Ratio Lower Upper
 119 100
 91 59.8 31.3 93.8
 134 23.8 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 51.433 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Tgt Ion:105 Resp: 763053
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.8 68.4

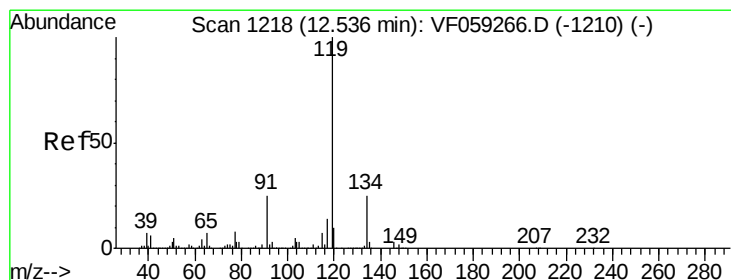
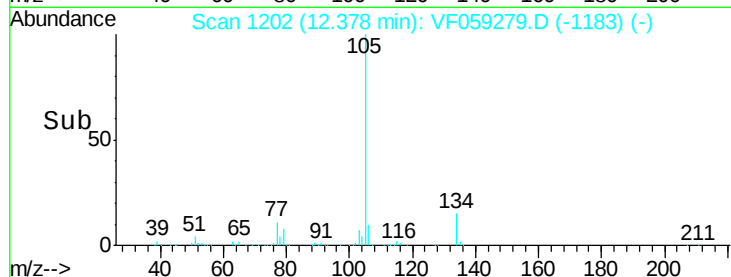
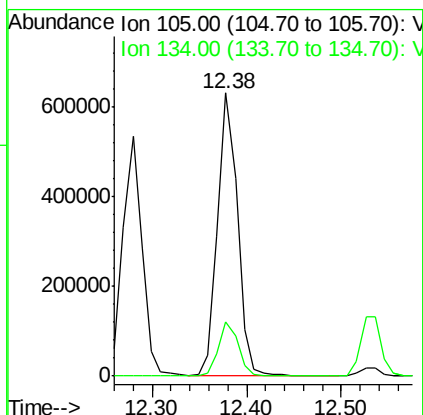
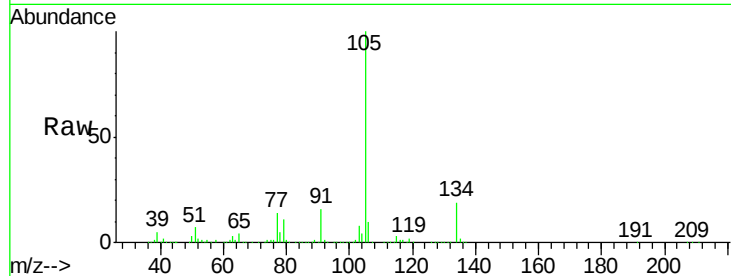




#85
 sec-Butylbenzene
 Concen: 48.582 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

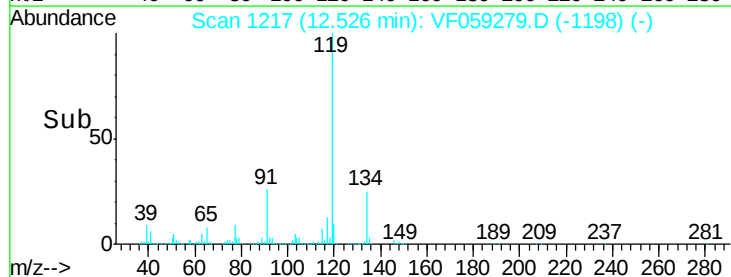
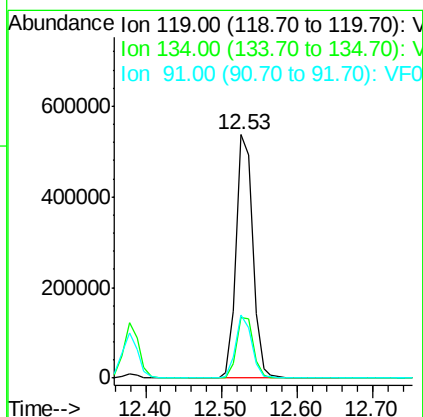
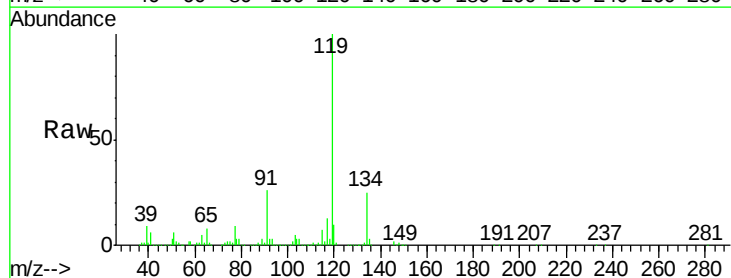
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

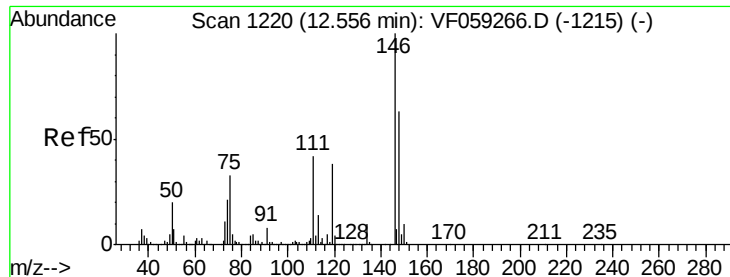
Tgt Ion:105 Resp: 924259
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 51.495 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Tgt Ion:119 Resp: 807750
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.6 37.8
 91 26.0 12.6 37.8





#87

1,3-Dichlorobenzene

Concen: 48.658 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

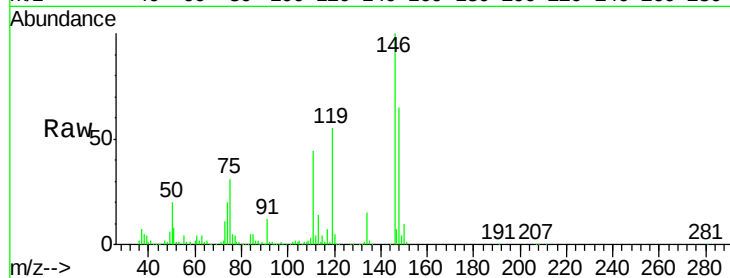
Tgt Ion:146 Resp: 392684

Ion Ratio Lower Upper

146 100

111 43.9 21.0 63.0

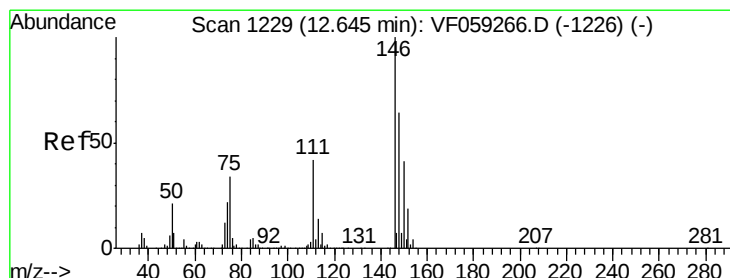
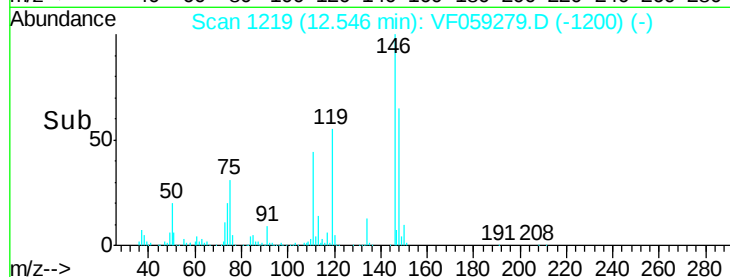
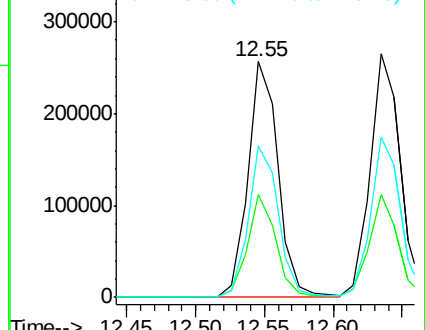
148 64.6 31.6 94.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 51.082 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

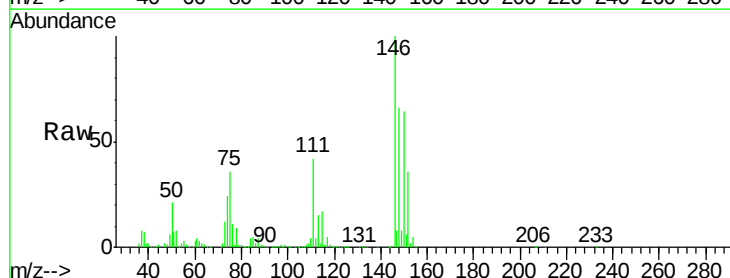
Tgt Ion:146 Resp: 407091

Ion Ratio Lower Upper

146 100

111 42.4 21.3 63.9

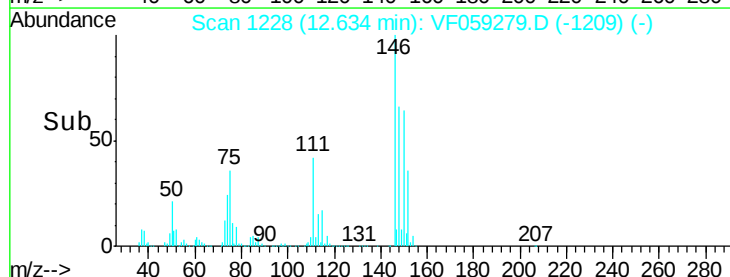
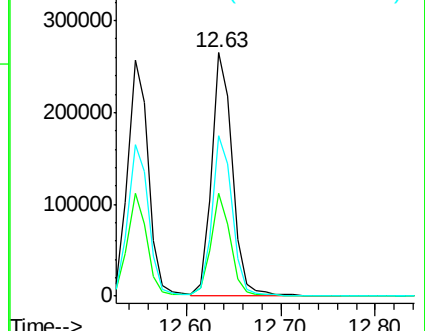
148 65.8 32.0 96.2

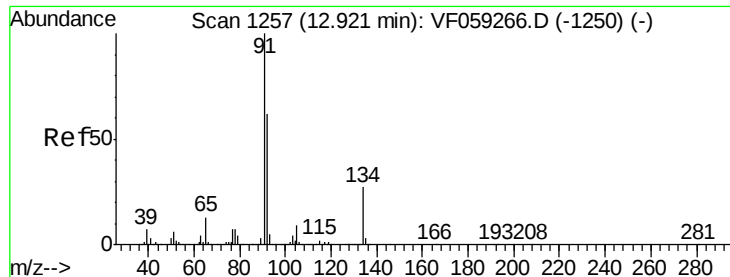


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 50.996 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

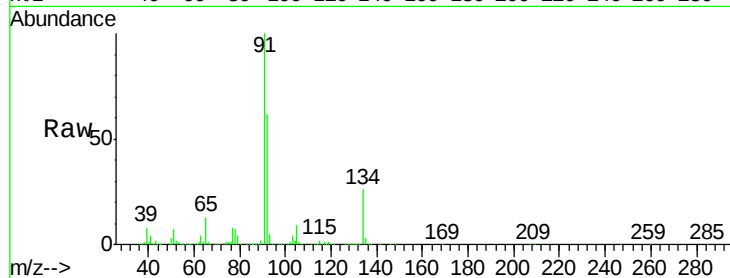
Tgt Ion: 91 Resp: 814593

Ion Ratio Lower Upper

91 100

92 61.9 31.2 93.6

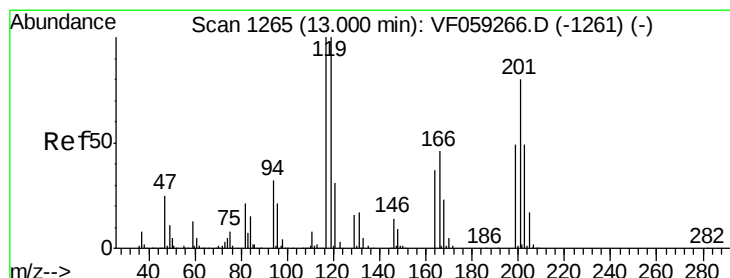
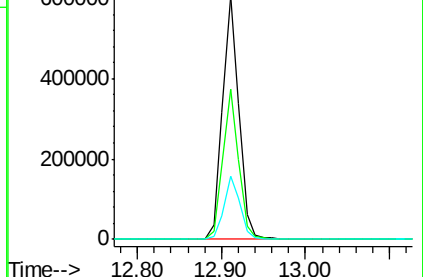
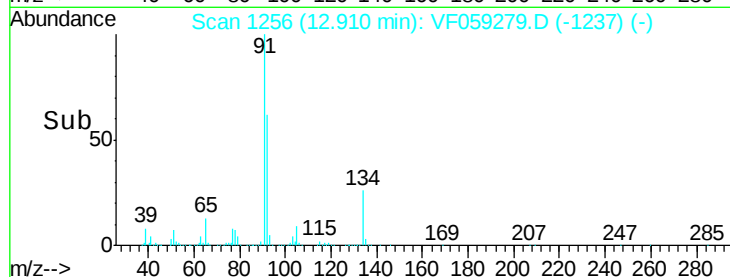
134 26.2 13.4 40.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.558 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF059279.D

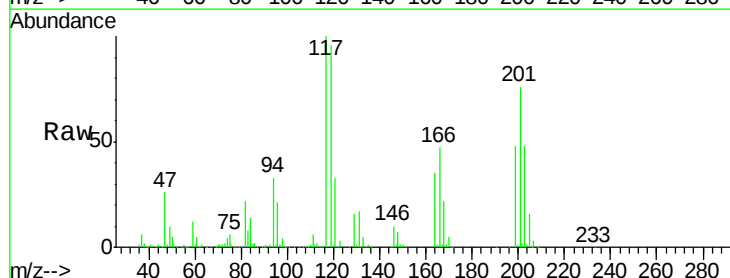
Acq: 22 Jun 2018 17:25

Tgt Ion: 117 Resp: 198245

Ion Ratio Lower Upper

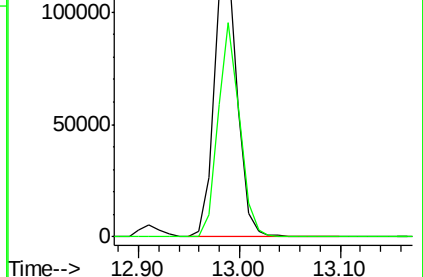
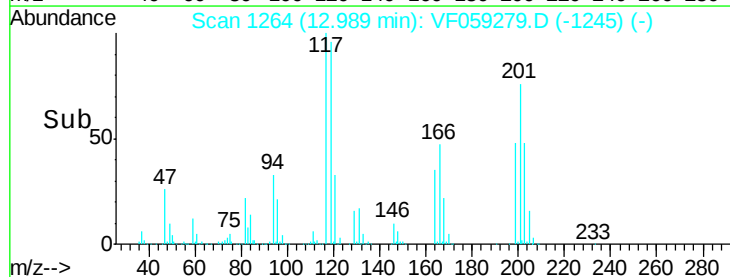
117 100

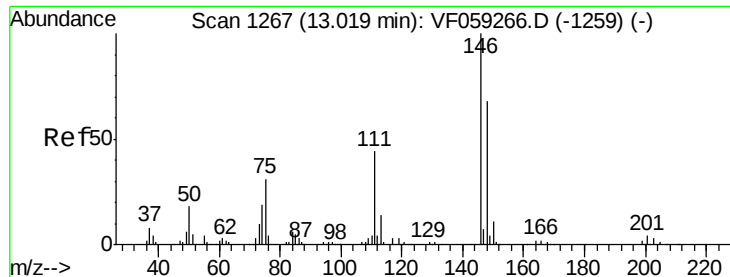
201 75.8 39.8 119.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

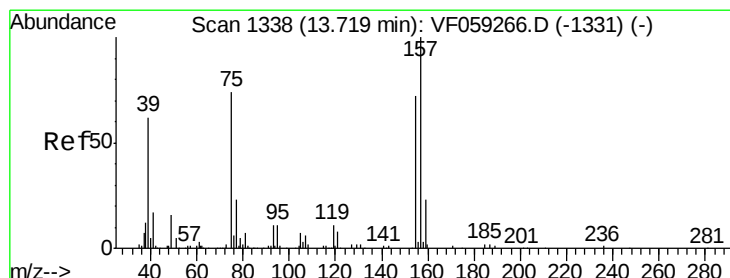
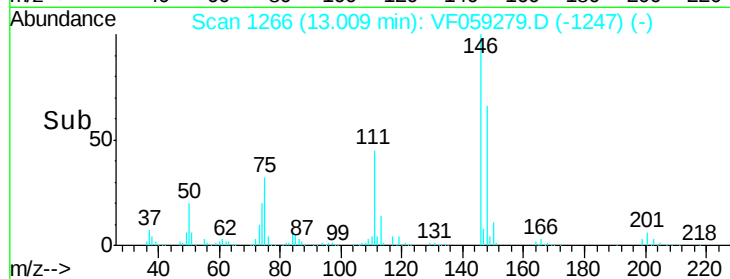
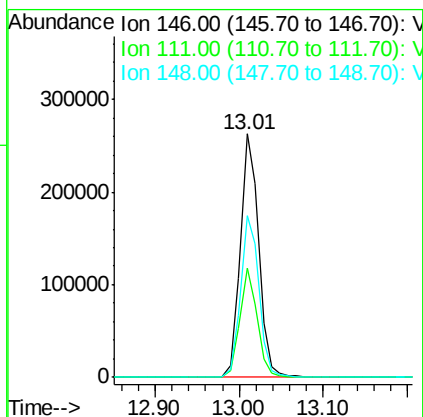
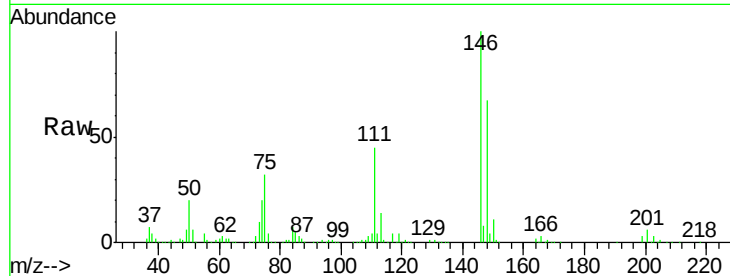




#91
 1,2-Dichlorobenzene
 Concen: 49.643 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

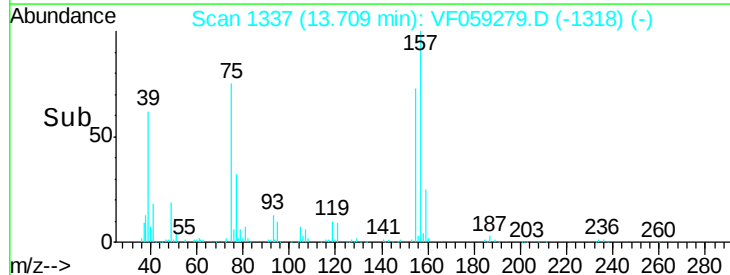
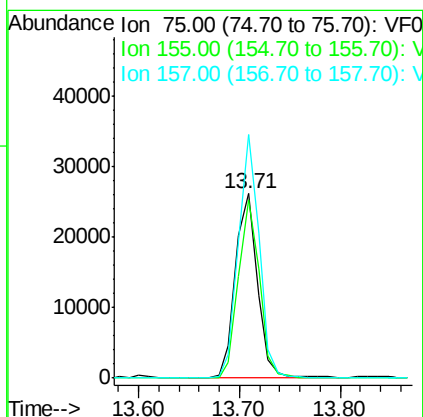
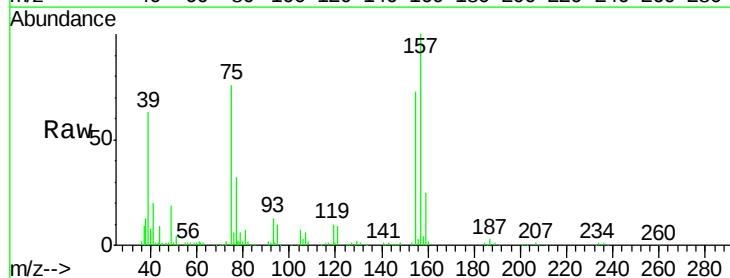
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

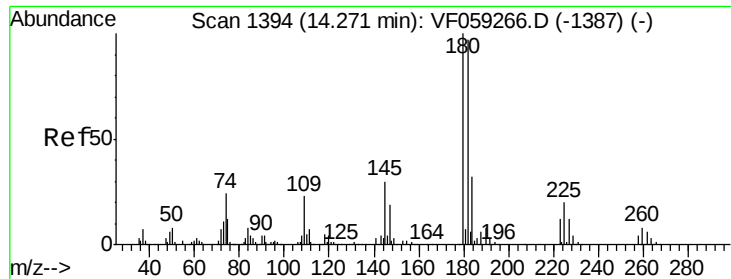
Tgt Ion: 146 Resp: 397313
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.1 66.3
 148 66.5 34.0 102.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.407 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Tgt Ion: 75 Resp: 40016
 Ion Ratio Lower Upper
 75 100
 155 96.6 48.3 144.9
 157 132.2 67.2 201.6

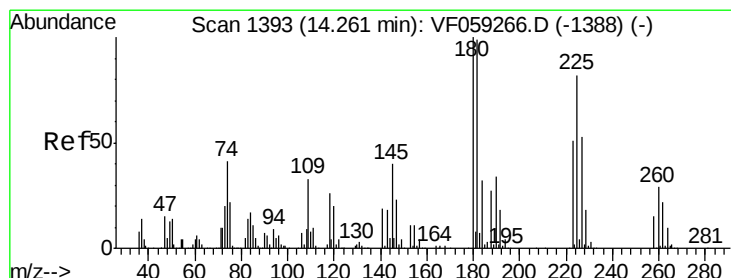
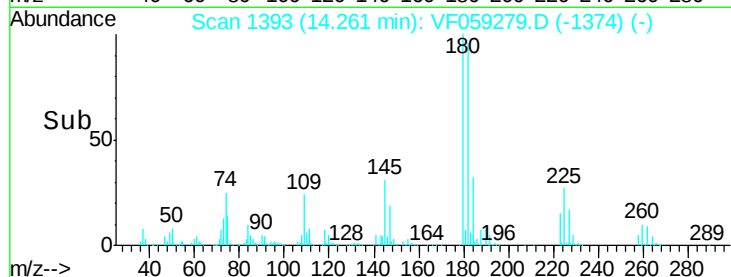
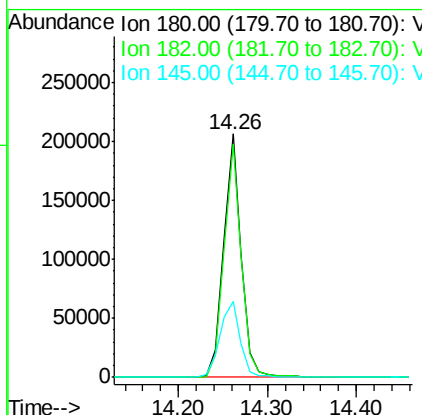
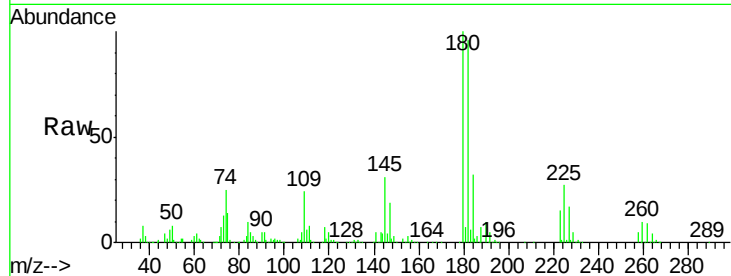




#93
 1,2,4-Trichlorobenzene
 Concen: 49.619 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

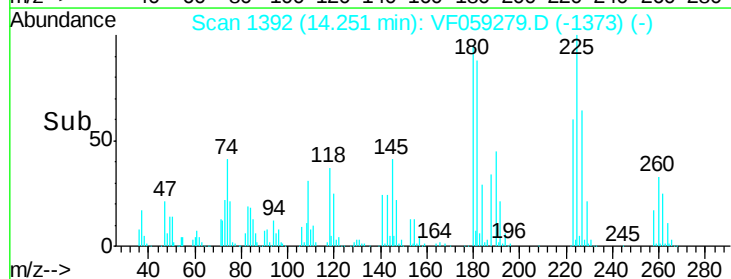
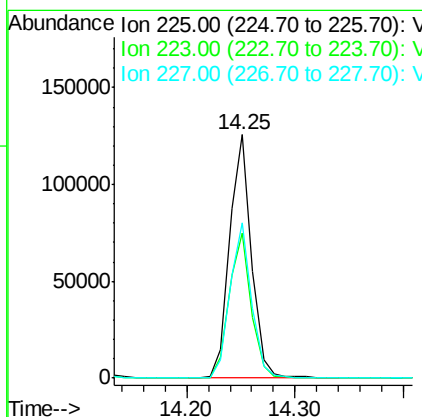
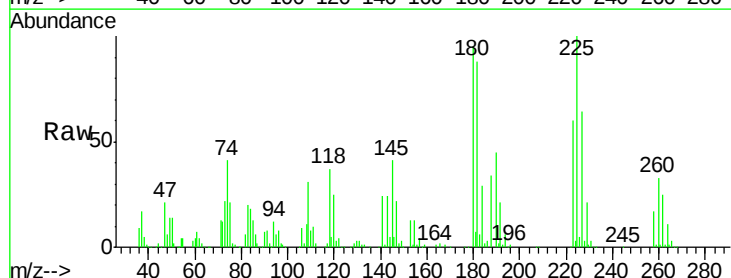
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

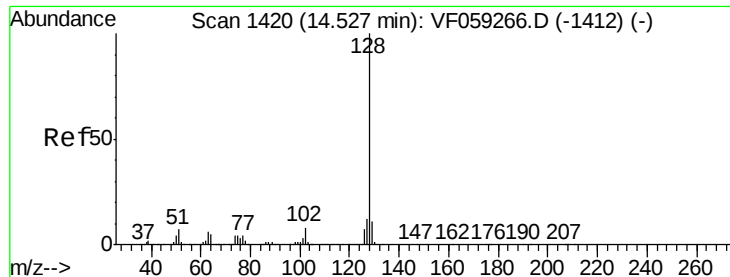
Tgt Ion:180 Resp: 290069
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.6 145.9
 145 31.3 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 50.856 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Tgt Ion:225 Resp: 176201
 Ion Ratio Lower Upper
 225 100
 223 59.8 30.7 92.1
 227 63.9 32.0 96.2





#95

Naphthalene

Concen: 51.200 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

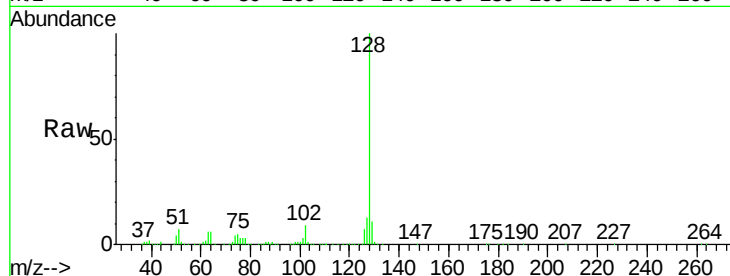
Tgt Ion:128 Resp: 614629

Ion Ratio Lower Upper

128 100

127 13.0 9.6 14.4

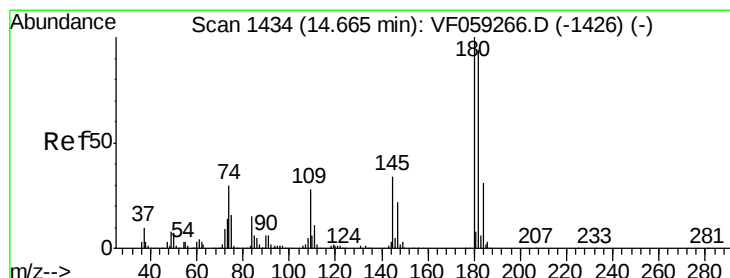
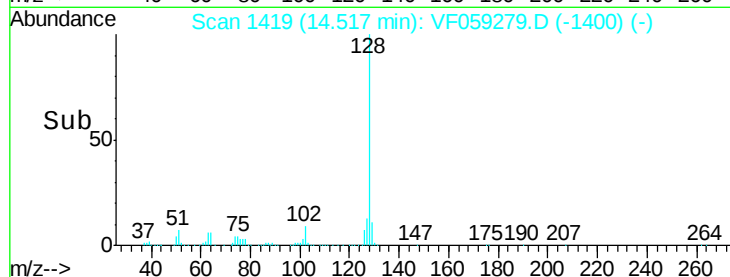
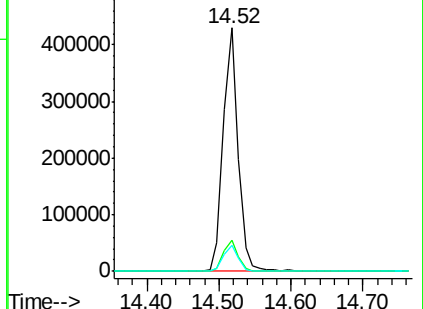
129 10.8 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.222 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

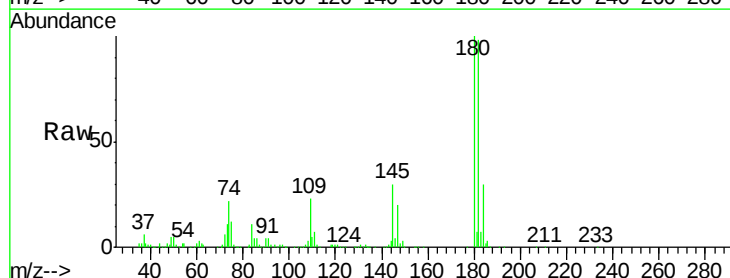
Tgt Ion:180 Resp: 281760

Ion Ratio Lower Upper

180 100

182 98.5 46.9 140.7

145 30.1 17.0 50.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

