

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
 Data File : VF059281.D
 Acq On : 22 Jun 2018 18:42
 Operator : VA/AP
 Sample : VF0622SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBS01

Quant Time: Jun 23 04:35:40 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	5.03	168	235758	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	375638	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	375704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	233245	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	186379	55.07	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	110.14%	
35) Dibromofluoromethane	4.28	113	162760	51.50	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	7.69	98	416539	51.82	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.64%	
62) 4-Bromofluorobenzene	11.50	95	230333	51.67	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	58239	21.218	ug/l	97
3) Chloromethane	1.08	50	41057	23.745	ug/l	96
4) Vinyl Chloride	1.14	62	37004	21.583	ug/l	96
5) Bromomethane	1.33	94	25560	20.728	ug/l	96
6) Chloroethane	1.42	64	20005	23.920	ug/l	99
7) Trichlorofluoromethane	1.48	101	21548	6.418	ug/l	93
8) Diethyl Ether	1.70	74	16730	22.139	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	38951	20.790	ug/l	91
10) Methyl Iodide	1.95	142	73271	21.396	ug/l	96
11) Tert butyl alcohol	2.67	59	19166	97.192	ug/l	94
12) 1,1-Dichloroethene	1.85	96	37717	22.574	ug/l	93
13) Acrolein	2.07	56	19065	119.619	ug/l #	81
14) Allyl chloride	2.18	41	74642	24.201	ug/l	98
15) Acrylonitrile	3.06	53	45324	139.457	ug/l	95
16) Acetone	2.33	43	100608	125.787	ug/l	98
17) Carbon Disulfide	1.86	76	84572	20.838	ug/l	95
18) Methyl Acetate	2.44	43	32717	21.696	ug/l #	92
19) Methyl tert-butyl Ether	2.53	73	137720	24.571	ug/l	97
20) Methylene Chloride	2.31	84	18445	9.856	ug/l	92
21) trans-1,2-Dichloroethene	2.40	96	39938	22.896	ug/l	97
22) Diisopropyl ether	2.91	45	157087	24.548	ug/l	95
23) Vinyl Acetate	3.31	43	525808	128.467	ug/l	99
24) 1,1-Dichloroethane	2.99	63	96678	23.304	ug/l	98
25) 2-Butanone	4.49	43	129804	121.661	ug/l	99
26) 2,2-Dichloropropane	3.75	77	65467	22.645	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	62507	23.588	ug/l	98
28) Bromochloromethane	3.88	49	43272	25.631	ug/l #	80
29) Tetrahydrofuran	4.24	42	57819	120.695	ug/l	97
30) Chloroform	4.02	83	135932	22.630	ug/l	99
31) Cyclohexane	3.84	56	64539	22.601	ug/l	92
32) 1,1,1-Trichloroethane	4.25	97	99375	21.912	ug/l	99
36) 1,1-Dichloropropene	4.44	75	83407	21.129	ug/l	97
37) Ethyl Acetate	4.27	43	59130	23.442	ug/l	96
38) Carbon Tetrachloride	4.15	117	107380	22.145	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	80314	22.735	ug/l	94
40) Benzene	4.79	78	186895	22.313	ug/l	93
41) Methacrylonitrile	4.91	41	28631	23.760	ug/l #	87
42) 1,2-Dichloroethane	5.10	62	105797	21.926	ug/l	99
43) Isopropyl Acetate	7.10	43	65525	21.199	ug/l #	97
44) Trichloroethene	5.66	130	65814	22.673	ug/l	85
45) 1,2-Dichloropropane	6.39	63	57345	23.467	ug/l	98
46) Dibromomethane	6.24	93	44740	21.694	ug/l	95
47) Bromodichloromethane	6.53	83	113972	23.081	ug/l	97
48) Methyl methacrylate	6.86	41	45201	23.100	ug/l	93
49) 1,4-Dioxane	6.84	88	4478	394.603	ug/l #	80
51) 4-Methyl-2-Pentanone	8.39	43	269259	122.154	ug/l	99
52) Toluene	7.76	92	141489	21.887	ug/l	93
53) t-1,3-Dichloropropene	8.41	75	108082	23.314	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	114391	23.371	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	56190	22.517	ug/l	97
56) Ethyl methacrylate	8.75	69	65153	22.835	ug/l	97
57) 1,3-Dichloropropane	8.98	76	95744	23.197	ug/l	89
58) 2-Chloroethyl Vinyl ether	7.76	63	24487	107.317	ug/l	100
59) 2-Hexanone	9.61	43	219476	125.589	ug/l	96
60) Dibromochloromethane	8.84	129	84364	22.976	ug/l	99
61) 1,2-Dibromoethane	9.12	107	65515	22.790	ug/l	96
64) Tetrachloroethene	8.29	164	64417	22.325	ug/l	95
65) Chlorobenzene	9.93	112	186461	23.322	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	75671	22.720	ug/l	92
67) Ethyl Benzene	10.03	91	308542	22.735	ug/l	98
68) m/p-Xylenes	10.25	106	229274	46.998	ug/l	100
69) o-Xylene	10.82	106	129453	24.025	ug/l	100
70) Styrene	10.89	104	193103	23.771	ug/l	99
71) Bromoform	10.88	173	55277	23.273	ug/l	91
73) Isopropylbenzene	11.22	105	370818	23.079	ug/l	97
74) N-amyl acetate	11.46	43	131707	25.105	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	88333	23.431	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	66721	24.171	ug/l	98
77) Bromobenzene	11.59	156	92272	21.257	ug/l	87
78) n-propylbenzene	11.67	91	441153	23.206	ug/l	93
79) 2-Chlorotoluene	11.80	91	258187	22.652	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	312985	23.040	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	40571	22.951	ug/l	93
82) 4-Chlorotoluene	11.98	91	278652	22.761	ug/l	94
83) tert-Butylbenzene	12.21	119	319083	23.205	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	328344	22.947	ug/l	98
85) sec-Butylbenzene	12.38	105	393673	21.455	ug/l	99
86) p-Isopropyltoluene	12.53	119	368224	24.339	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	182895	23.498	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	173766	22.607	ug/l	98
89) n-Butylbenzene	12.92	91	368173	23.898	ug/l	96
90) Hexachloroethane	12.98	117	88084	23.291	ug/l	84
91) 1,2-Dichlorobenzene	13.01	146	181009	23.449	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17510	21.508	ug/l	71

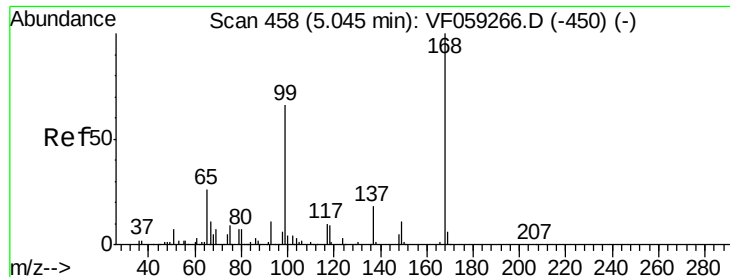
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	135615	24.053	ug/l	95
94) Hexachlorobutadiene	14.25	225	77260	23.120	ug/l	97
95) Naphthalene	14.51	128	274985	23.751	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	123582	23.294	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

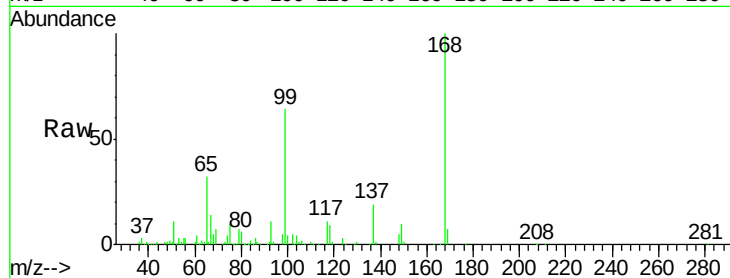
VF0622SBS01

Tgt Ion:168 Resp: 235758

Ion Ratio Lower Upper

168 100

99 63.6 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

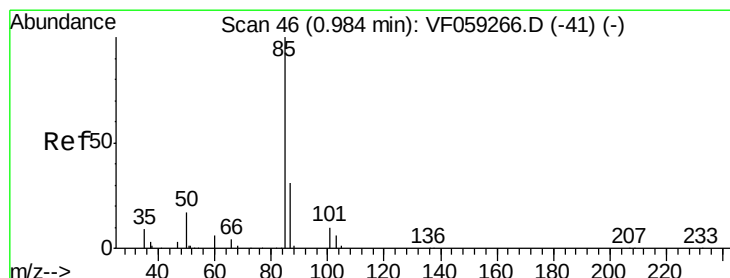
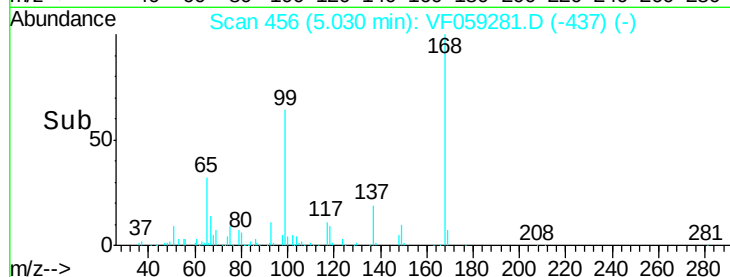
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 21.218 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059281.D

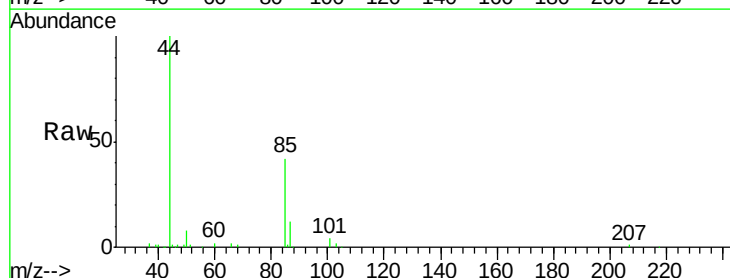
Acq: 22 Jun 2018 18:42

Tgt Ion: 85 Resp: 58239

Ion Ratio Lower Upper

85 100

87 29.2 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

15000

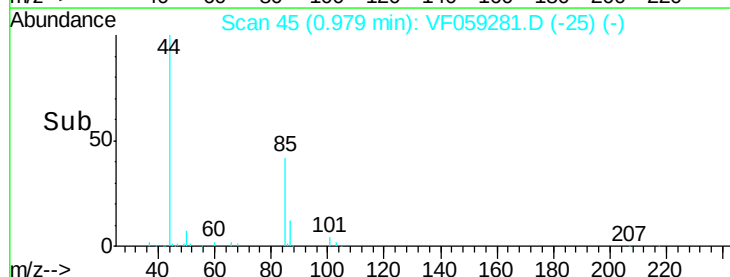
10000

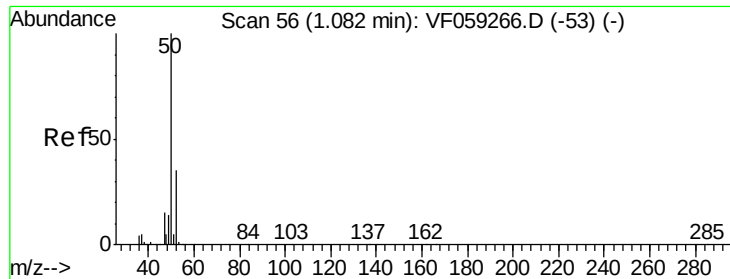
5000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 23.745 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

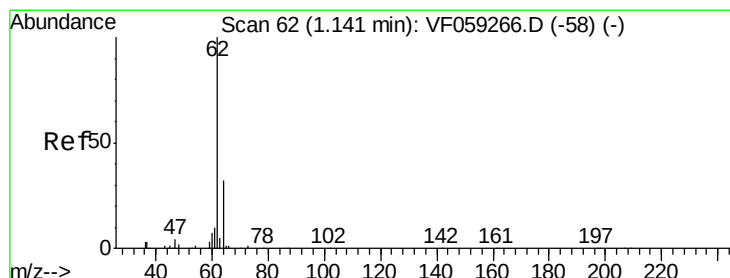
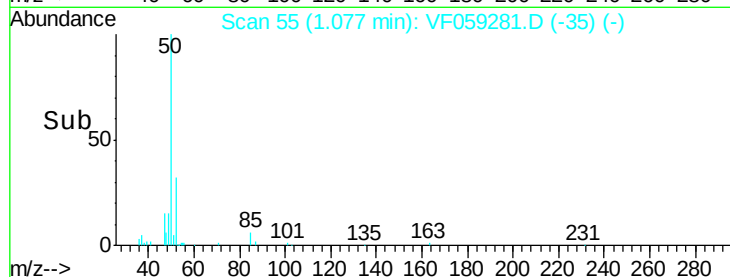
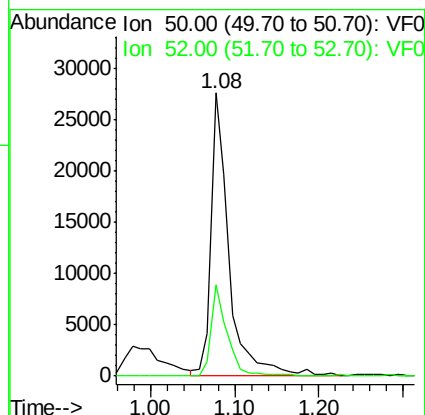
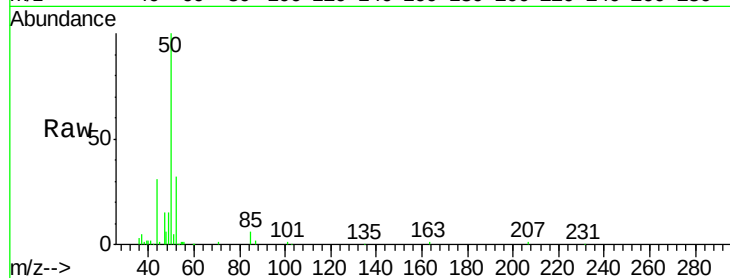
VF0622SBS01

Tgt Ion: 50 Resp: 41057

Ion Ratio Lower Upper

50 100

52 32.1 27.7 41.5



#4

Vinyl Chloride

Concen: 21.583 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.00 min

Lab File: VF059281.D

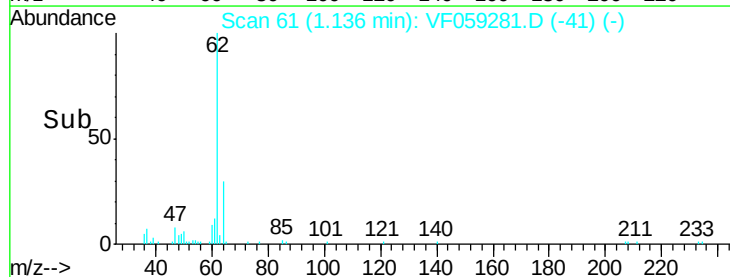
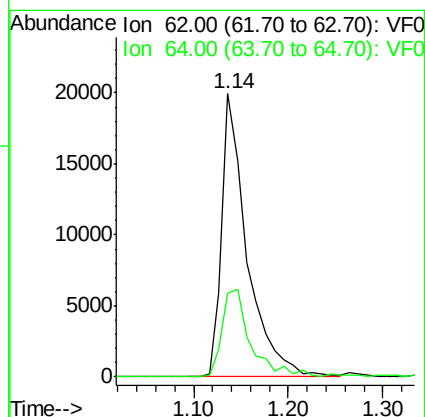
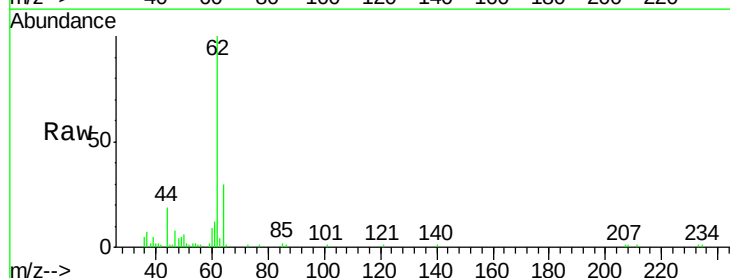
Acq: 22 Jun 2018 18:42

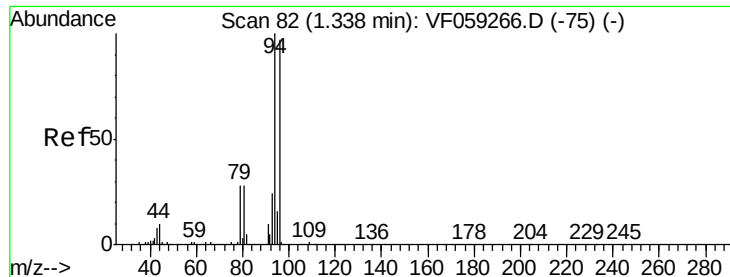
Tgt Ion: 62 Resp: 37004

Ion Ratio Lower Upper

62 100

64 29.7 25.7 38.5





#5

Bromomethane

Concen: 20.728 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

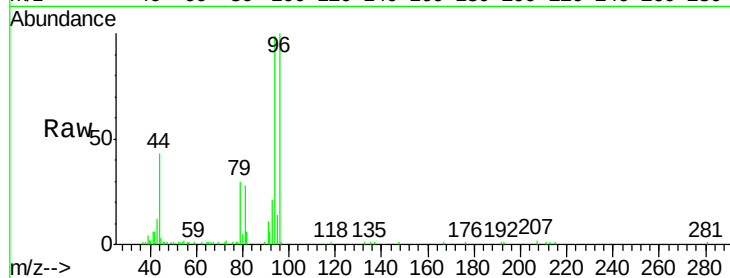
VF0622SBS01

Tgt Ion: 94 Resp: 25560

Ion Ratio Lower Upper

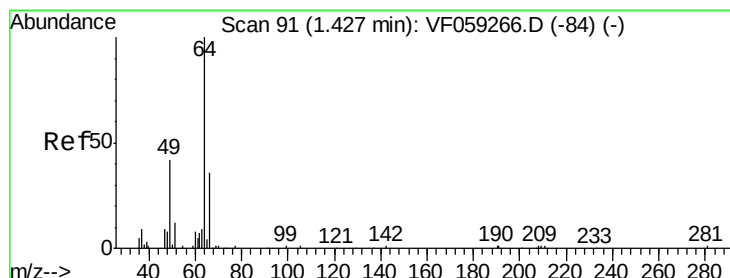
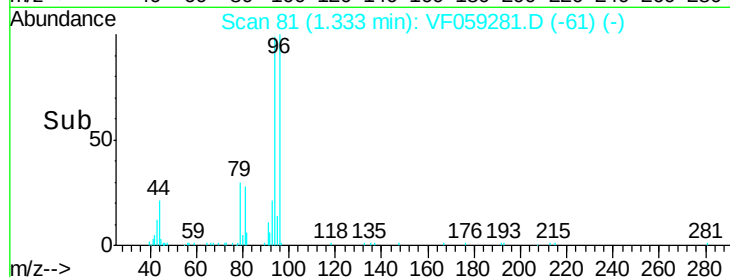
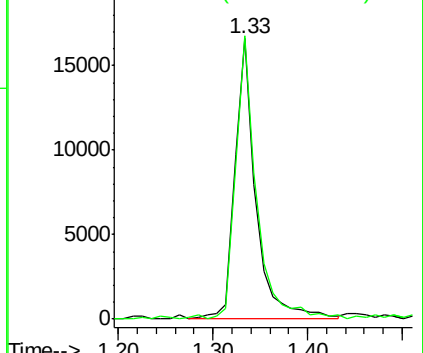
94 100

96 100.9 77.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 23.920 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VF059281.D

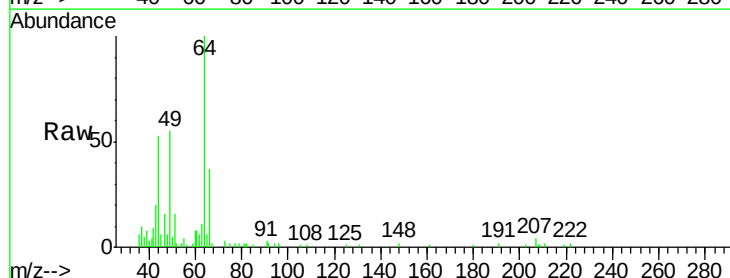
Acq: 22 Jun 2018 18:42

Tgt Ion: 64 Resp: 20005

Ion Ratio Lower Upper

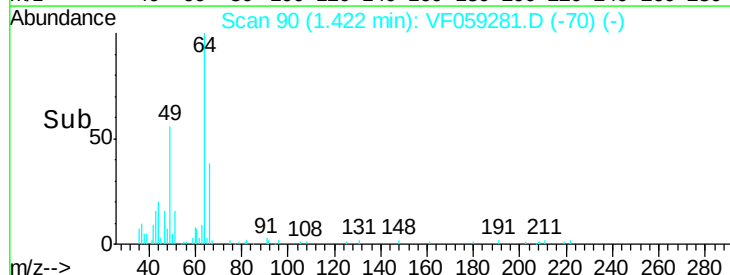
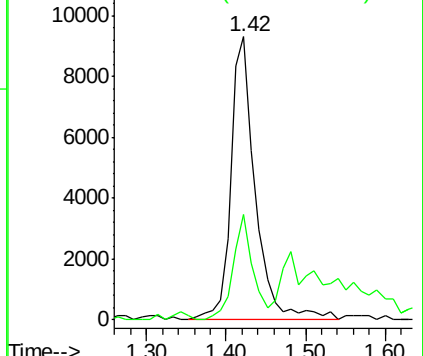
64 100

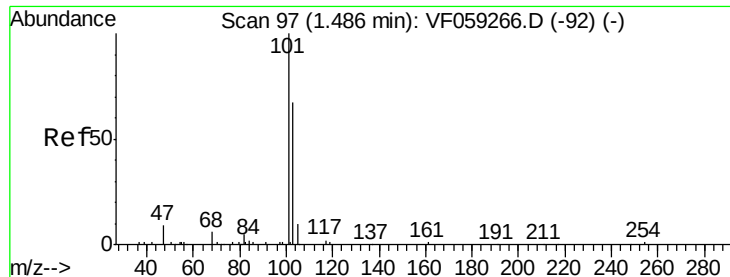
66 37.4 29.4 44.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 6.418 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

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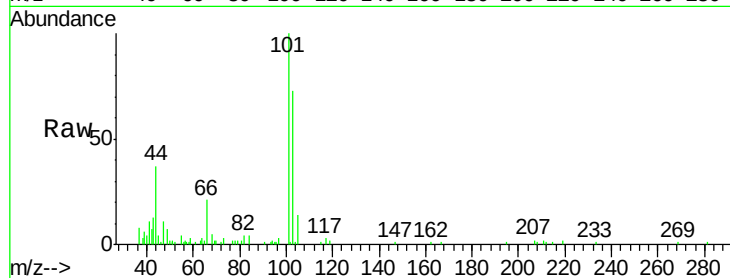
VF0622SBS01

Tgt Ion:101 Resp: 21548

Ion Ratio Lower Upper

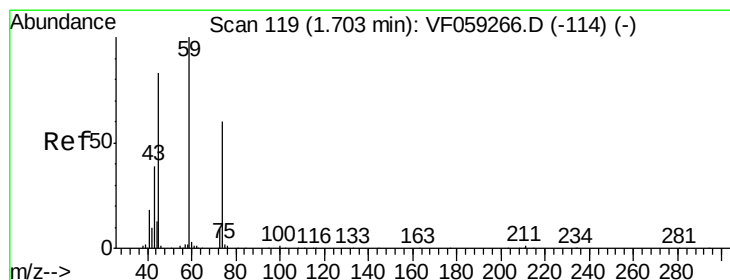
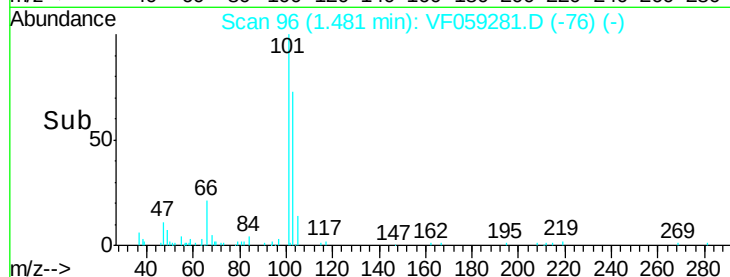
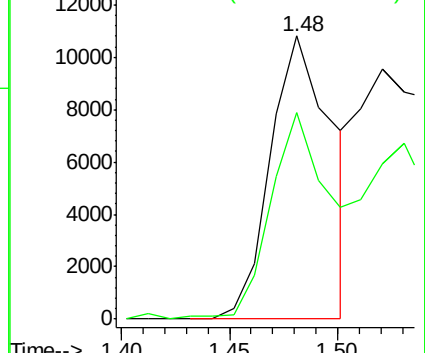
101 100

103 72.8 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: 22.139 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059281.D

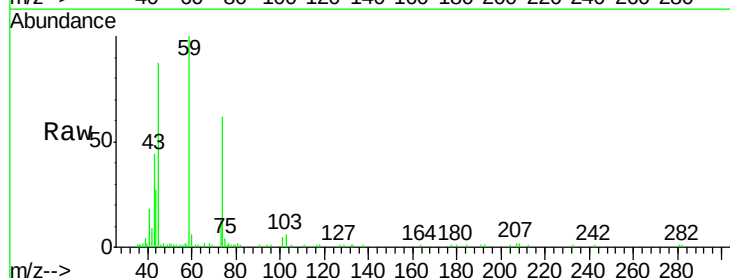
Acq: 22 Jun 2018 18:42

Tgt Ion: 74 Resp: 16730

Ion Ratio Lower Upper

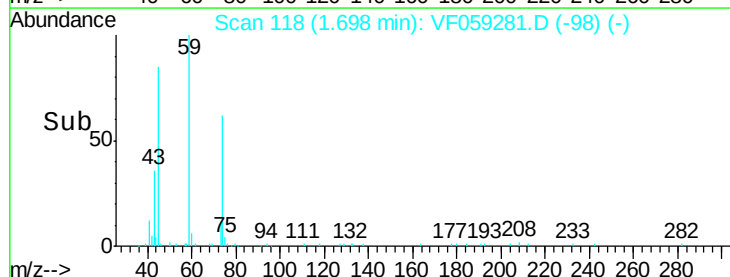
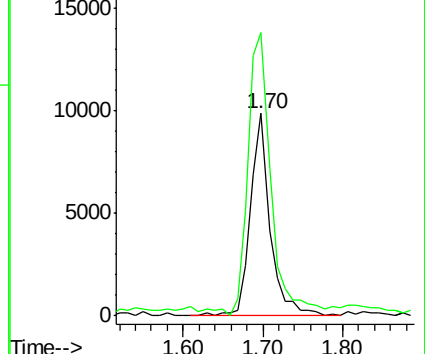
74 100

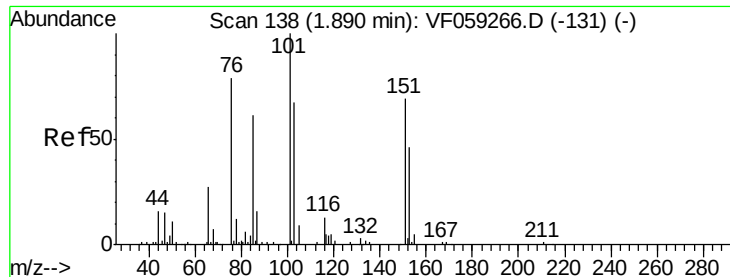
45 139.8 69.2 207.4



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: 20.790 ug/l

RT: 1.90 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

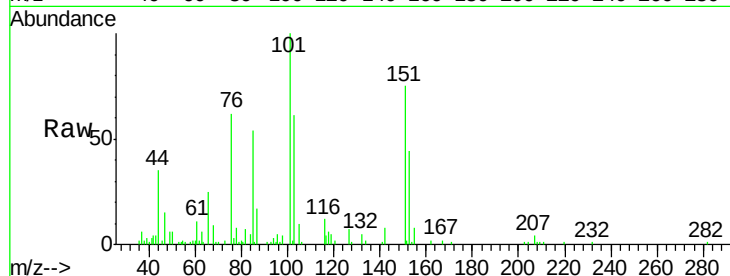
Tgt Ion:101 Resp: 38951

Ion Ratio Lower Upper

101 100

85 53.6 47.2 70.8

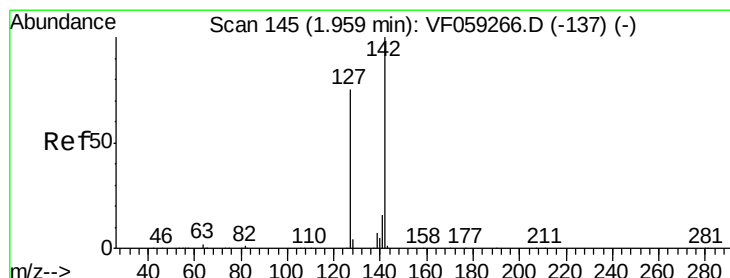
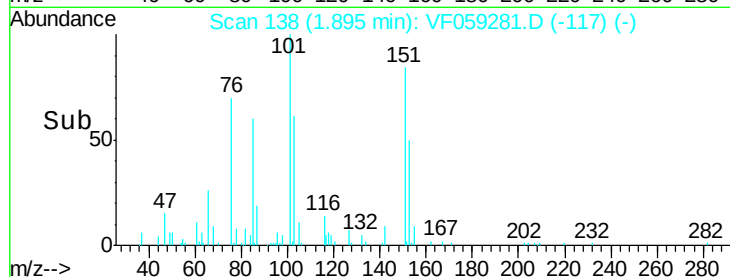
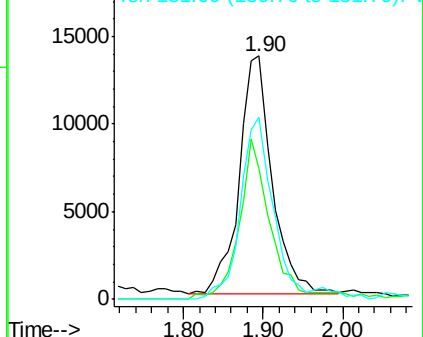
151 74.7 53.3 79.9



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: 21.396 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

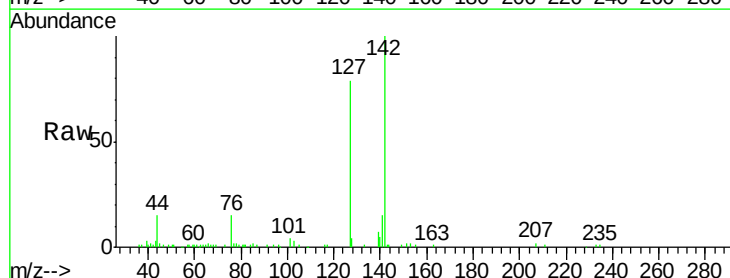
Tgt Ion:142 Resp: 73271

Ion Ratio Lower Upper

142 100

127 78.6 59.9 89.9

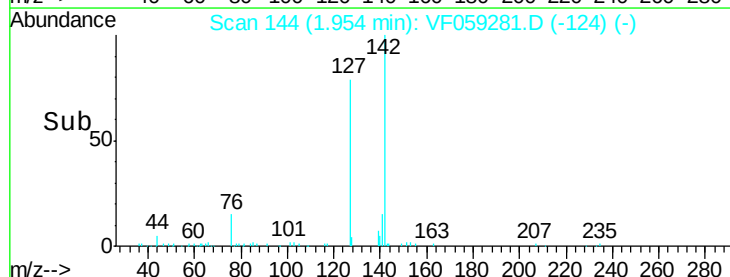
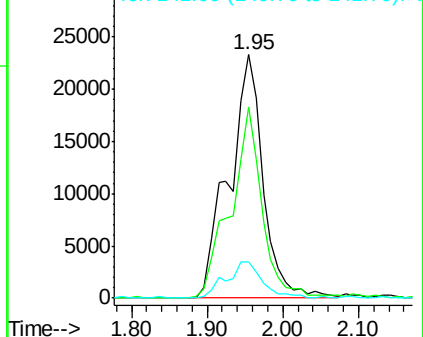
141 14.9 12.7 19.1

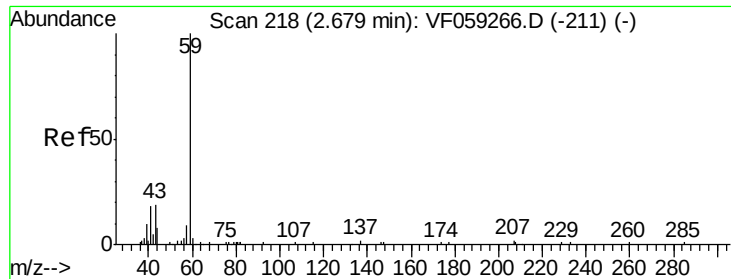


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

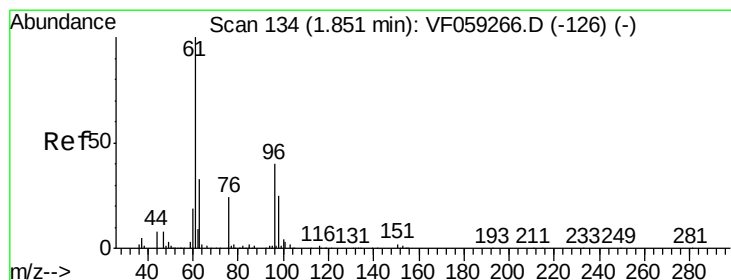
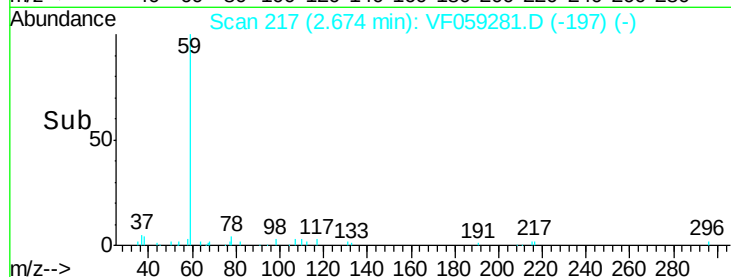
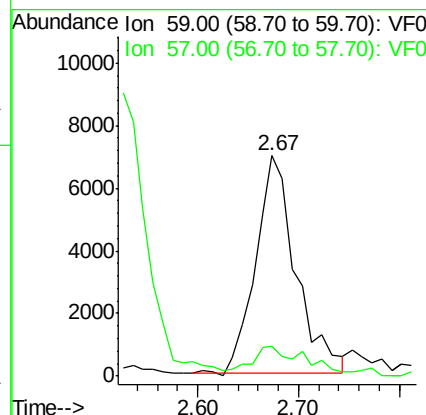
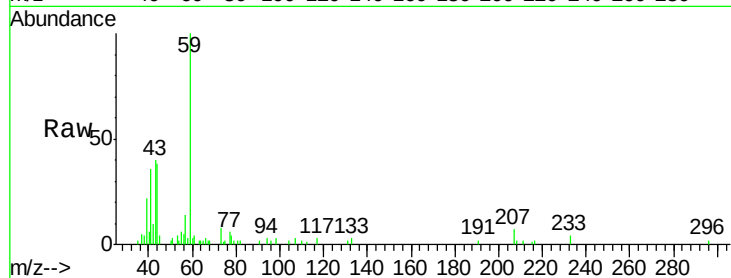




#11
Tert butyl alcohol
Concen: 97.192 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059281.D
Acq: 22 Jun 2018 18:42

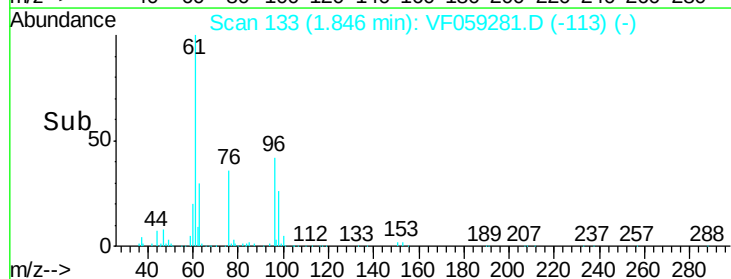
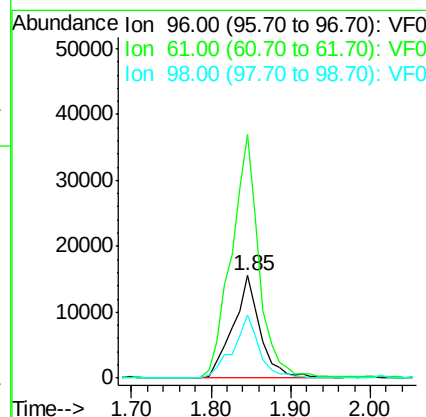
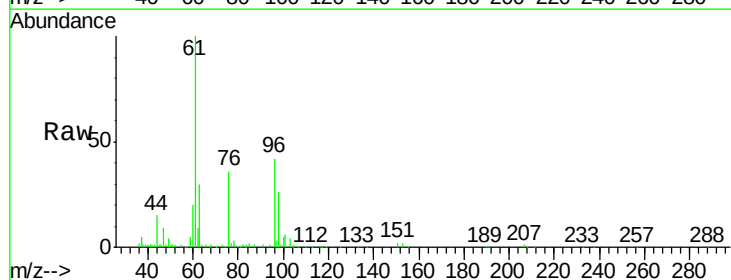
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBS01

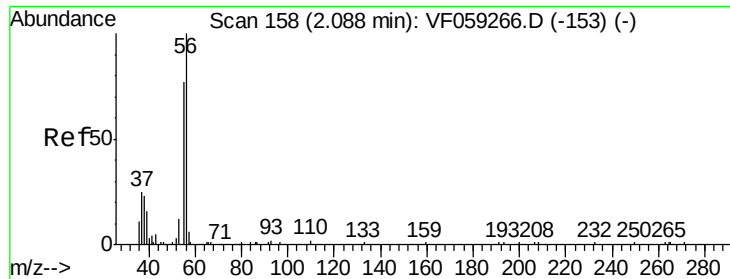
Tgt Ion: 59 Resp: 19166
Ion Ratio Lower Upper
59 100
57 13.8 9.2 13.8



#12
1,1-Dichloroethene
Concen: 22.574 ug/l
RT: 1.85 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF059281.D
Acq: 22 Jun 2018 18:42

Tgt Ion: 96 Resp: 37717
Ion Ratio Lower Upper
96 100
61 237.7 201.4 302.2
98 61.2 50.0 75.0





#13

Acrolein

Concen: 119.619 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

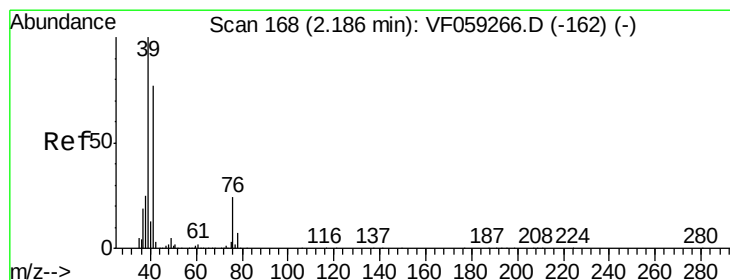
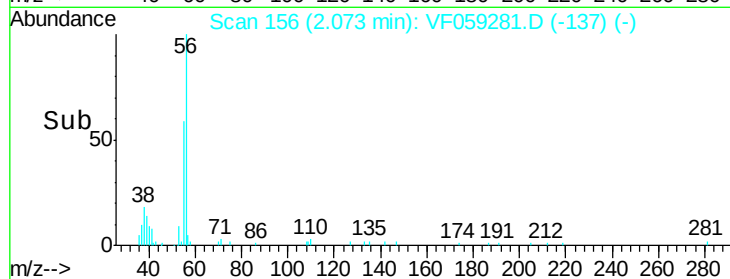
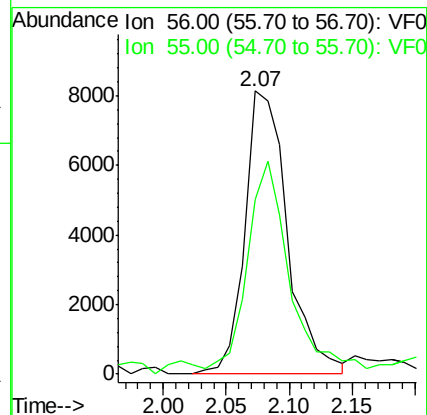
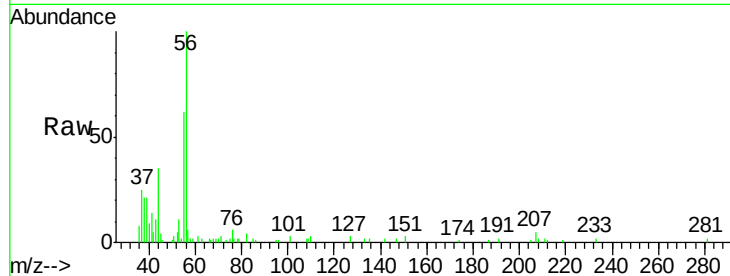
VF0622SBS01

Tgt Ion: 56 Resp: 19065

Ion Ratio Lower Upper

56 100

55 61.9 63.0 94.6#



#14

Allyl chloride

Concen: 24.201 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

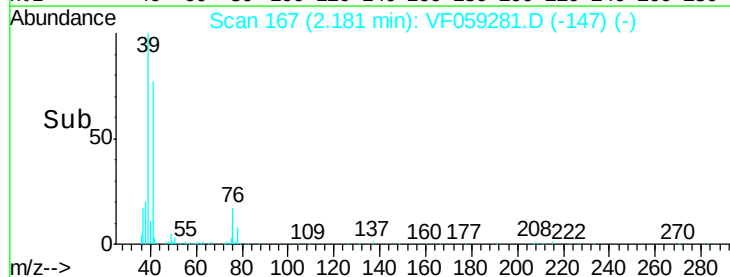
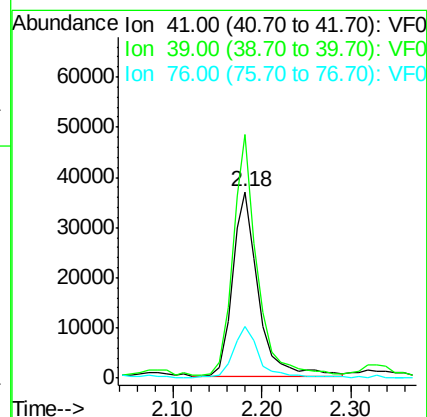
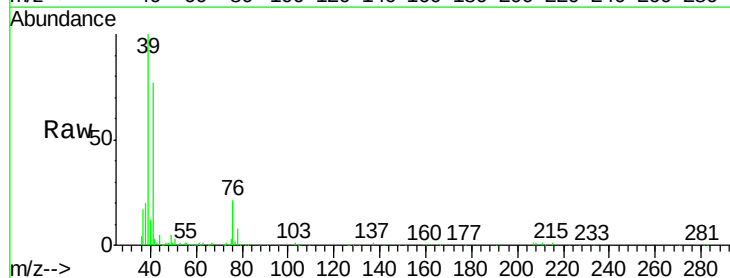
Tgt Ion: 41 Resp: 74642

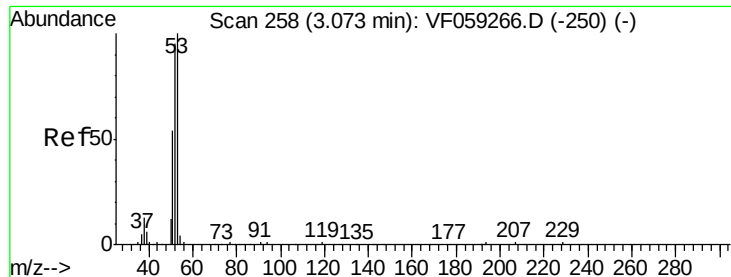
Ion Ratio Lower Upper

41 100

39 130.6 103.8 155.6

76 27.7 25.0 37.6





#15

Acrylonitrile

Concen: 139.457 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

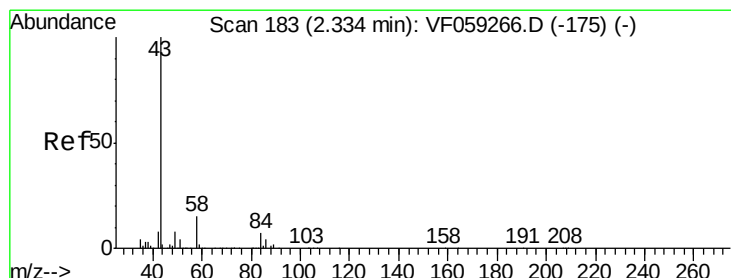
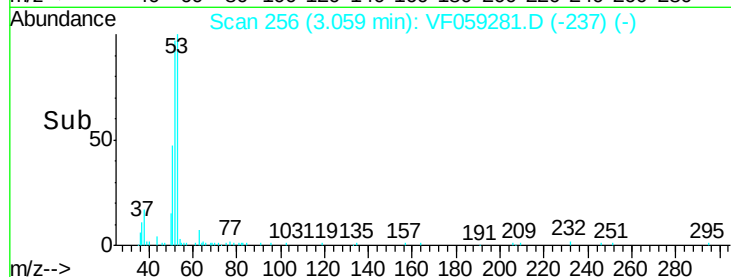
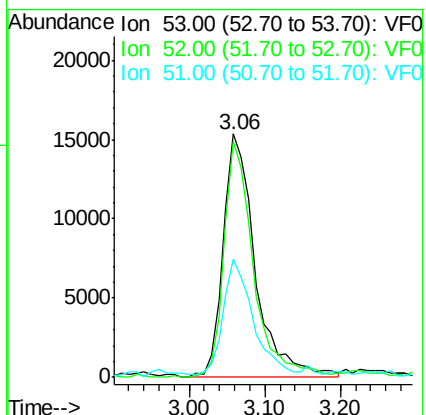
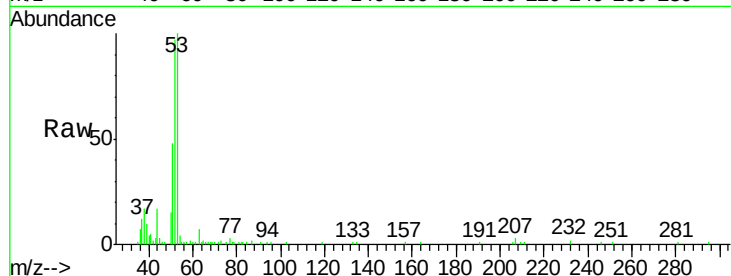
Tgt Ion: 53 Resp: 45324

Ion Ratio Lower Upper

53 100

52 97.1 75.7 113.5

51 48.5 44.5 66.7



#16

Acetone

Concen: 125.787 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059281.D

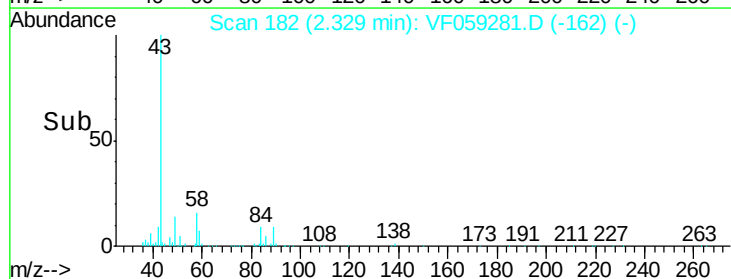
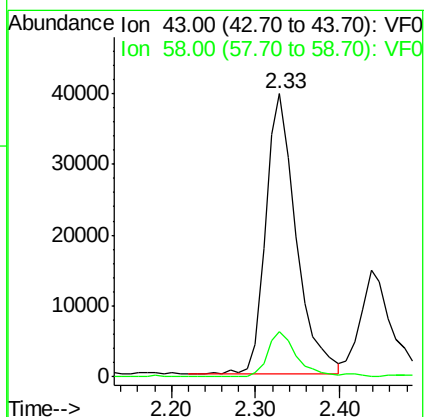
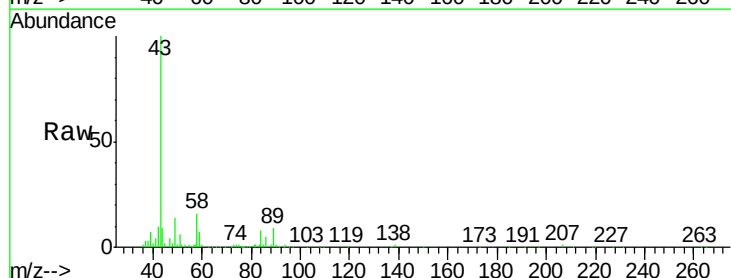
Acq: 22 Jun 2018 18:42

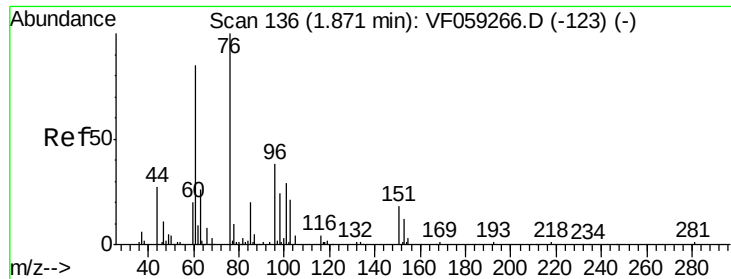
Tgt Ion: 43 Resp: 100608

Ion Ratio Lower Upper

43 100

58 16.1 12.1 18.1





#17

Carbon Disulfide

Concen: 20.838 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

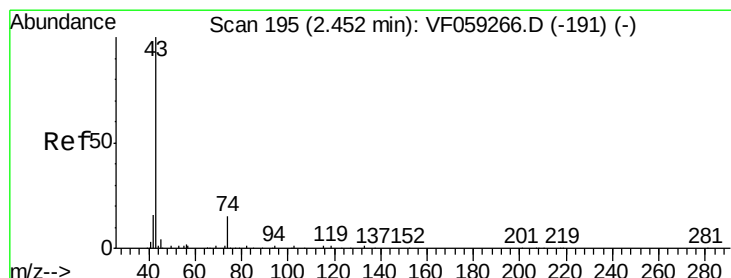
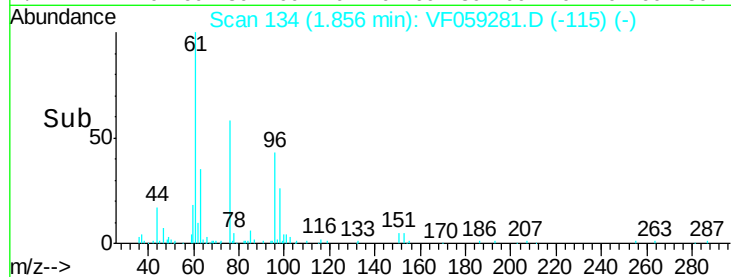
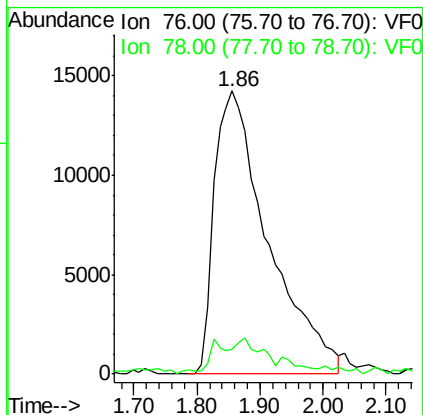
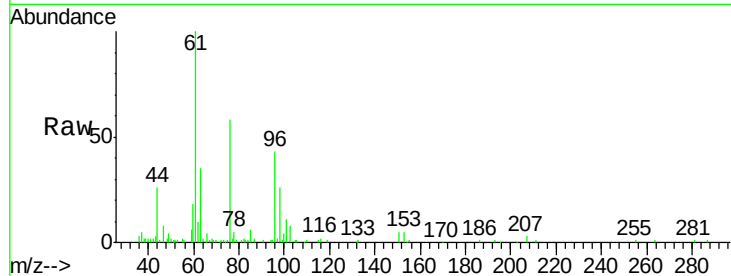
VF0622SBS01

Tgt Ion: 76 Resp: 84572

Ion Ratio Lower Upper

76 100

78 8.8 8.6 12.8



#18

Methyl Acetate

Concen: 21.696 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059281.D

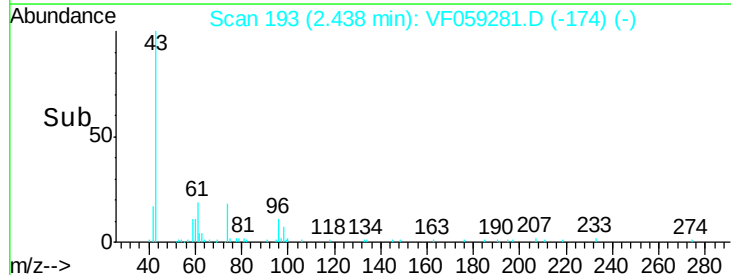
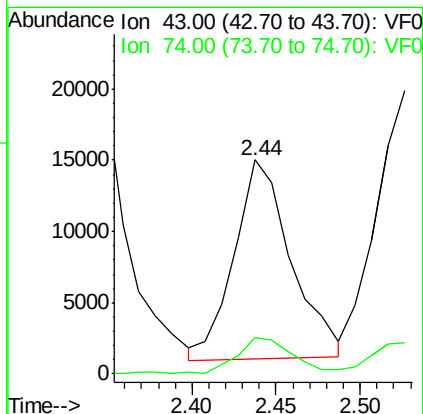
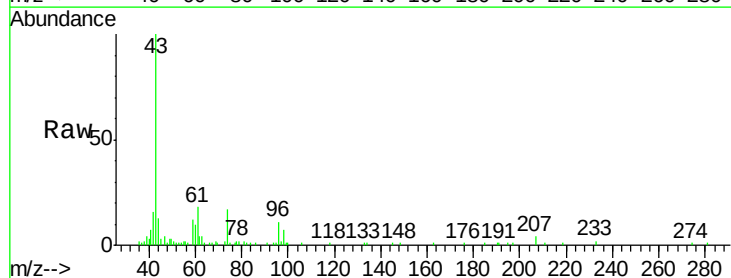
Acq: 22 Jun 2018 18:42

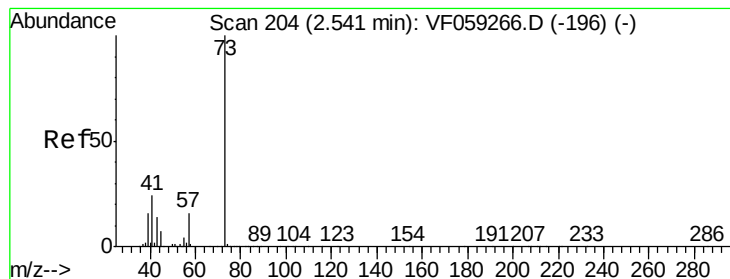
Tgt Ion: 43 Resp: 32717

Ion Ratio Lower Upper

43 100

74 17.0 11.0 16.4#





#19

Methyl tert-butyl Ether

Concen: 24.571 ug/l

RT: 2.53 min Scan# 202

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

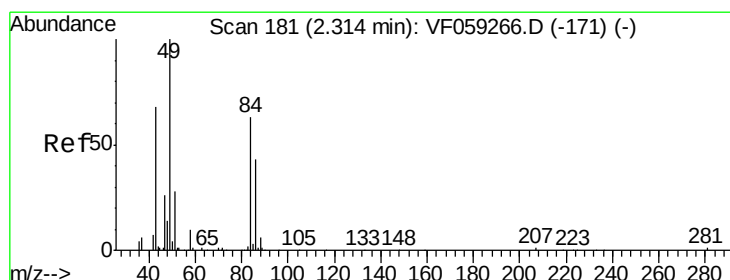
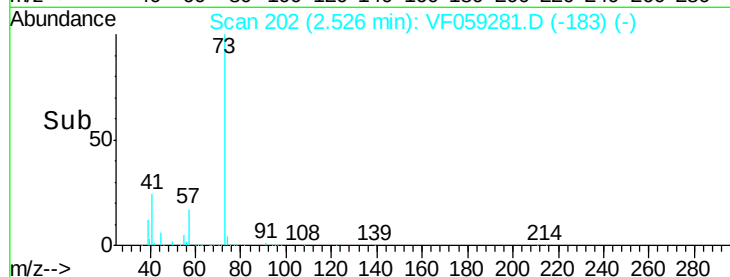
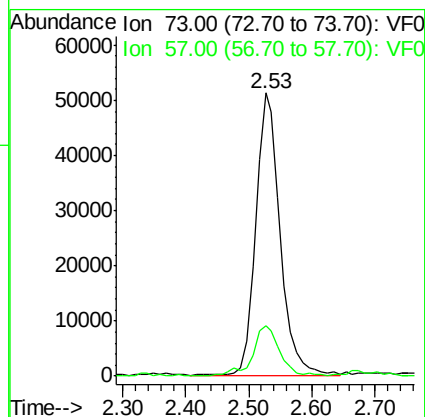
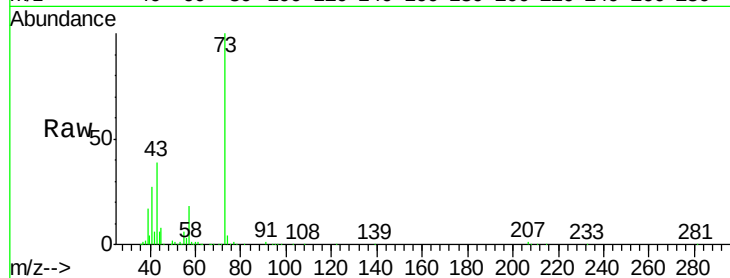
VF0622SBS01

Tgt Ion: 73 Resp: 137720

Ion Ratio Lower Upper

73 100

57 17.6 13.0 19.4



#20

Methylene Chloride

Concen: 9.856 ug/l

RT: 2.31 min Scan# 180

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Tgt Ion: 84 Resp: 18445

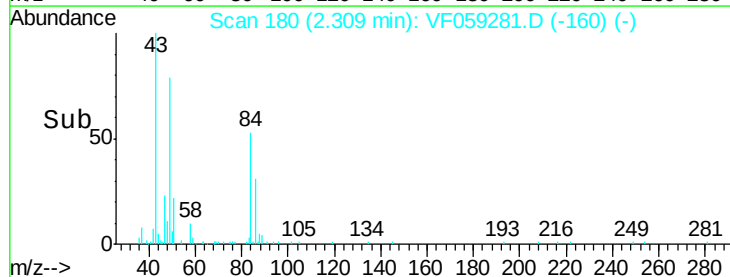
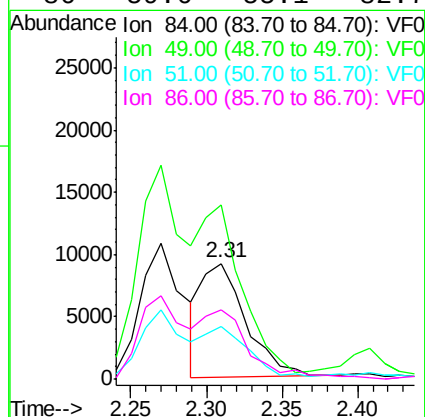
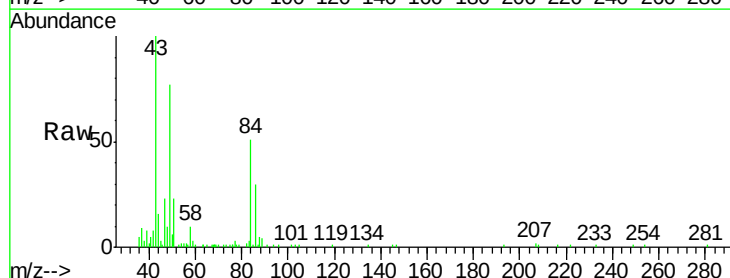
Ion Ratio Lower Upper

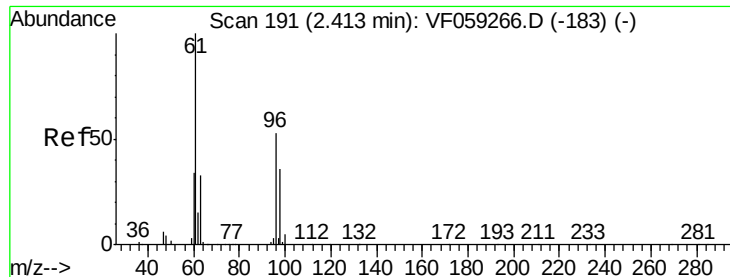
84 100

49 151.0 130.0 195.0

51 45.2 36.6 55.0

86 59.6 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 22.896 ug/l

RT: 2.40 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

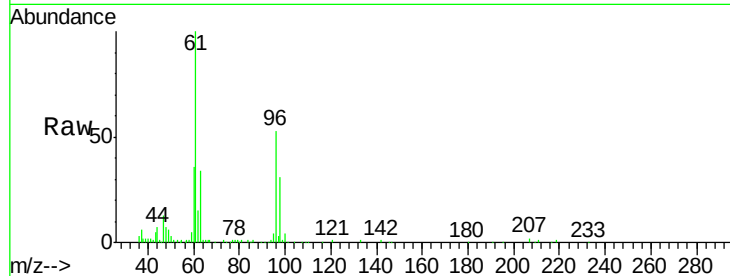
Tgt Ion: 96 Resp: 39938

Ion Ratio Lower Upper

96 100

61 189.4 151.2 226.8

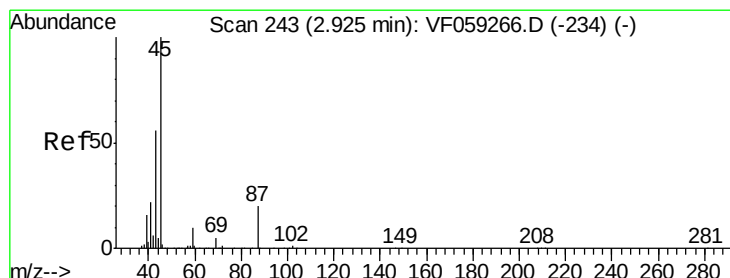
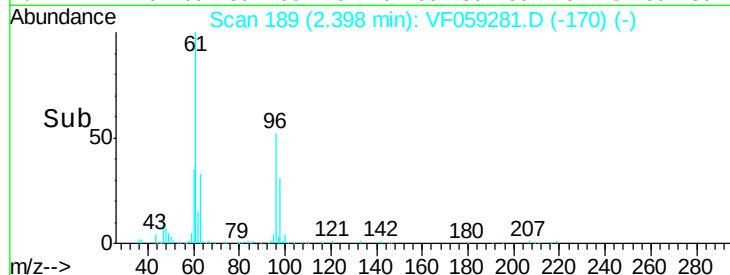
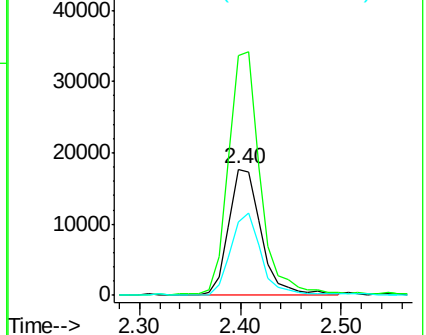
98 58.3 54.2 81.2



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 24.548 ug/l

RT: 2.91 min Scan# 241

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Tgt Ion: 45 Resp: 157087

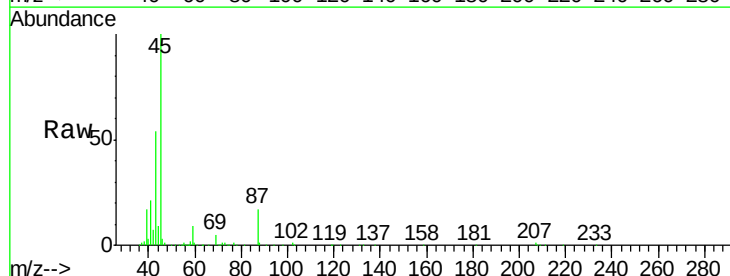
Ion Ratio Lower Upper

45 100

43 53.6 45.8 68.6

87 16.8 15.7 23.5

59 9.5 8.7 13.1

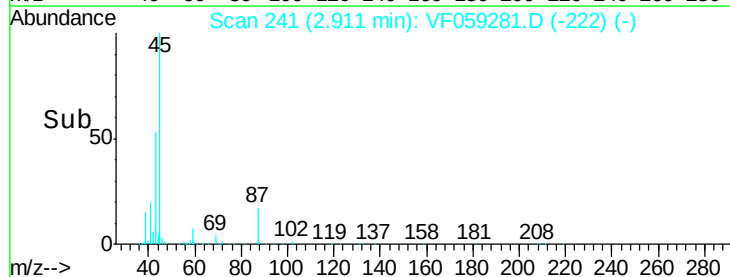
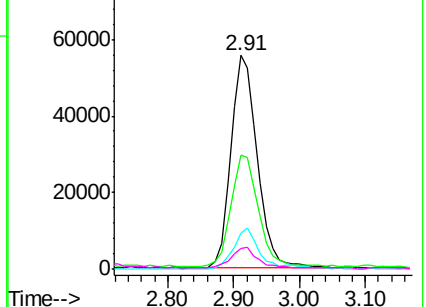


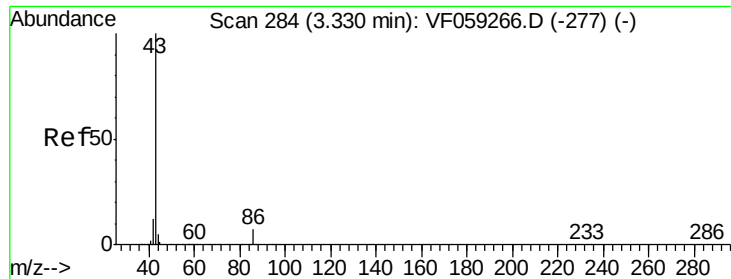
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 128.467 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

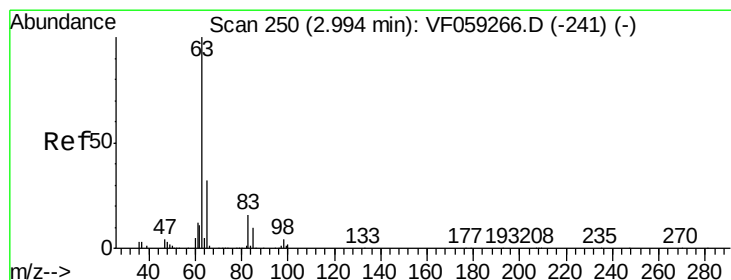
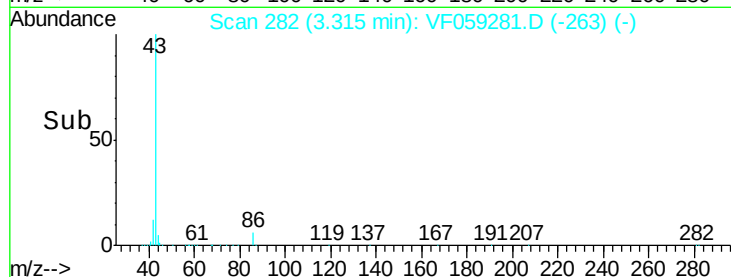
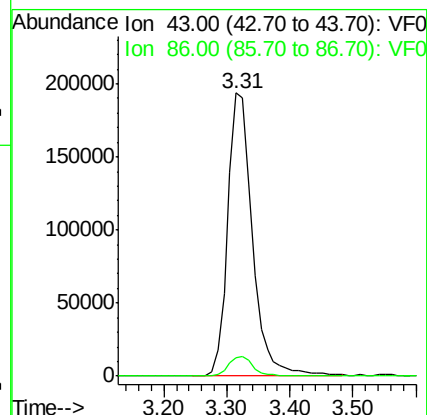
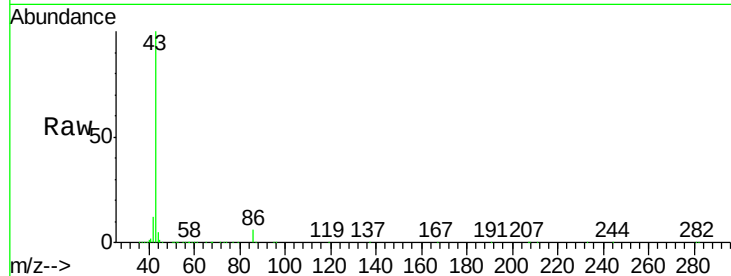
VF0622SBS01

Tgt Ion: 43 Resp: 525808

Ion Ratio Lower Upper

43 100

86 6.3 5.4 8.2



#24

1,1-Dichloroethane

Concen: 23.304 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

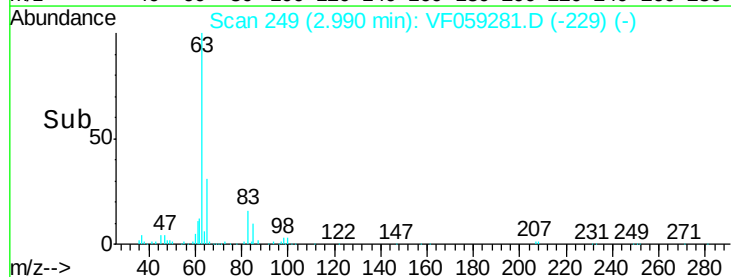
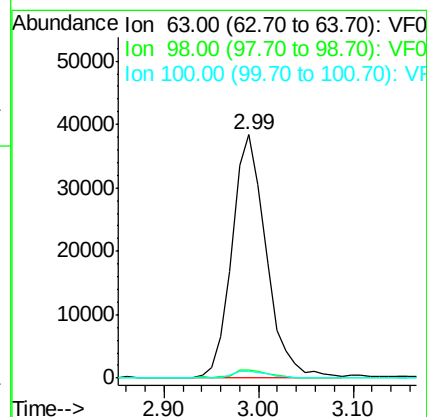
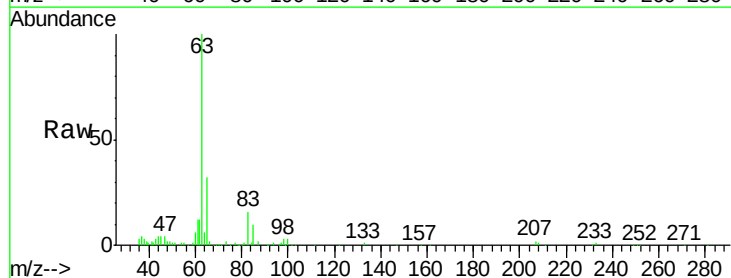
Tgt Ion: 63 Resp: 96678

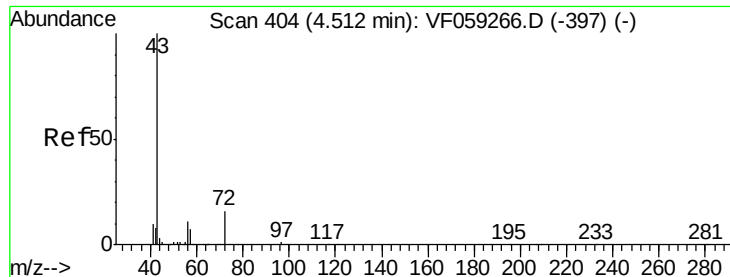
Ion Ratio Lower Upper

63 100

98 3.1 2.0 5.8

100 2.8 1.1 3.1





#25

2-Butanone

Concen: 121.661 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.02 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

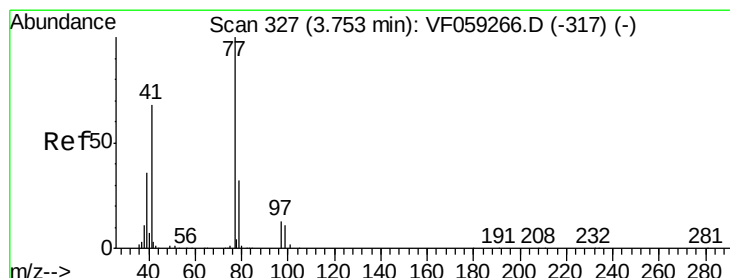
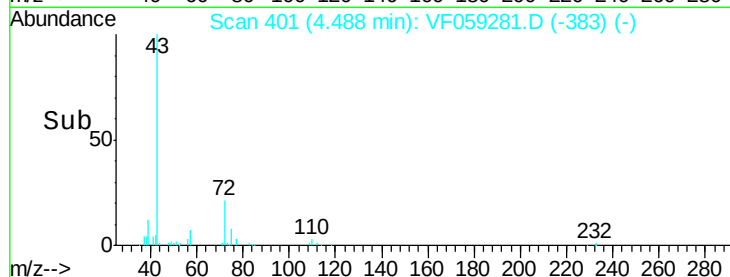
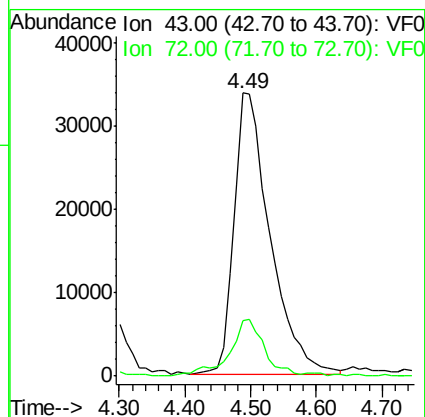
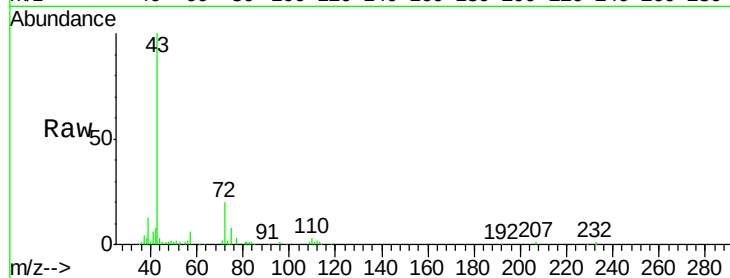
VF0622SBS01

Tgt Ion: 43 Resp: 129804

Ion Ratio Lower Upper

43 100

72 19.6 15.2 22.8



#26

2,2-Dichloropropane

Concen: 22.645 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059281.D

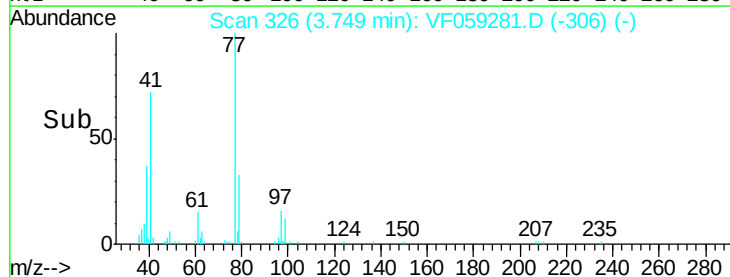
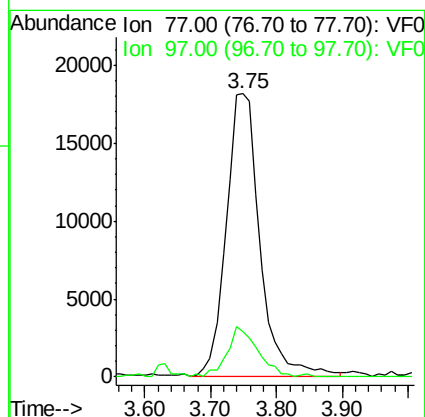
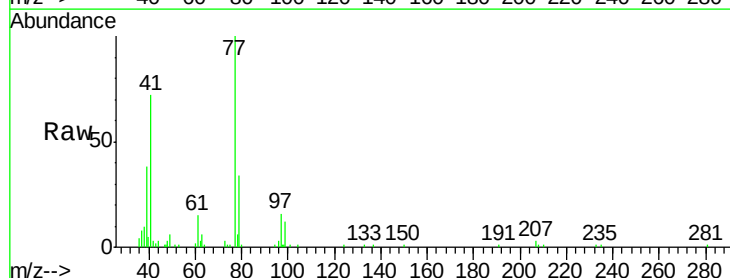
Acq: 22 Jun 2018 18:42

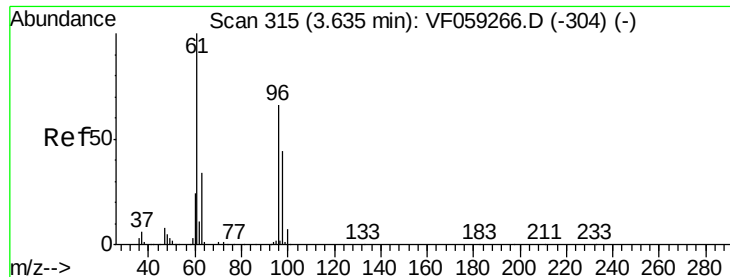
Tgt Ion: 77 Resp: 65467

Ion Ratio Lower Upper

77 100

97 16.2 7.6 22.8



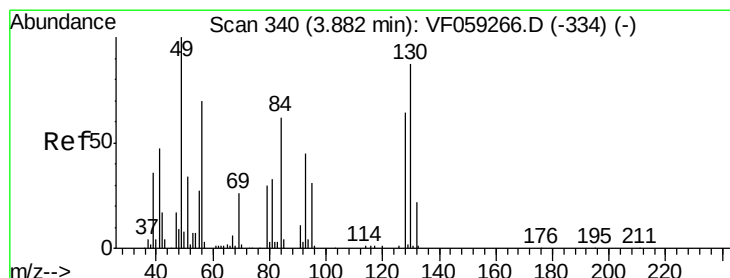
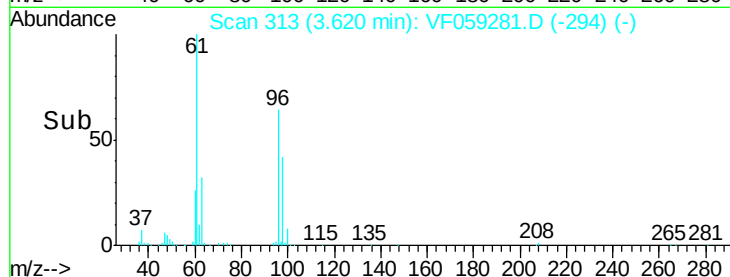
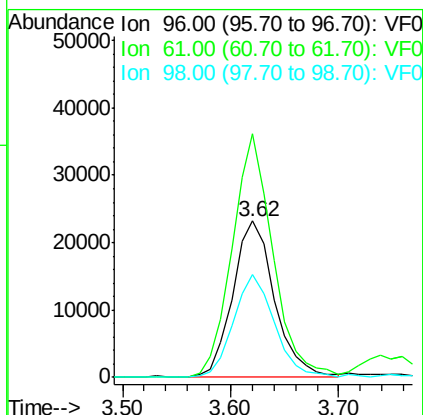
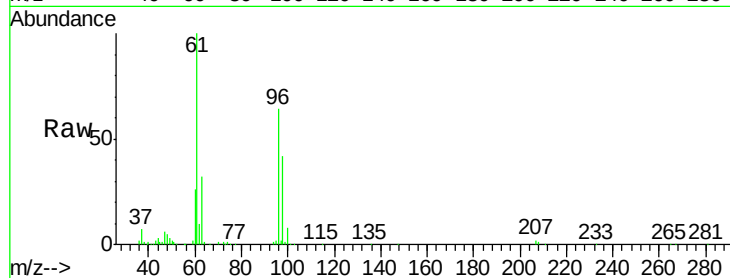


#27

cis-1,2-Dichloroethene
 Concen: 23.588 ug/l
 RT: 3.62 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VF059281.D
 Acq: 22 Jun 2018 18:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBS01

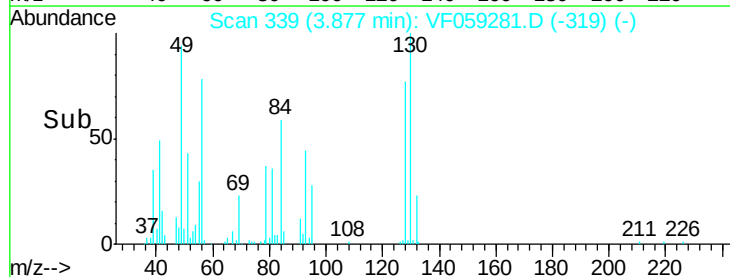
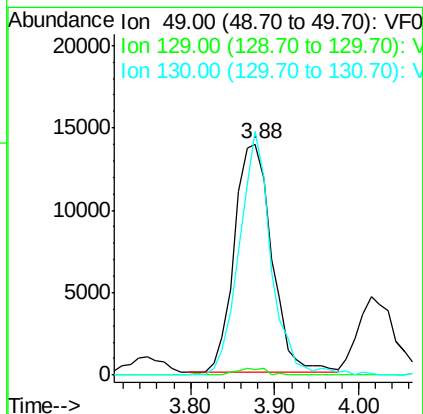
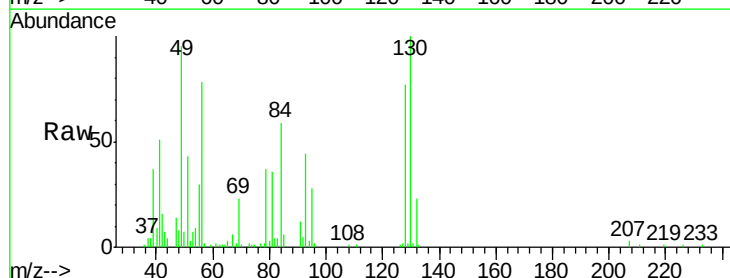
Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.0	0.0	305.0
98	65.9	0.0	134.0

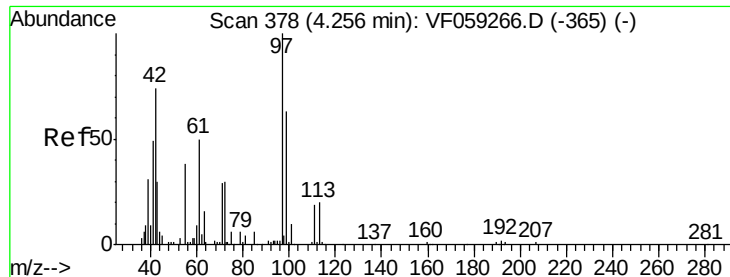


#28

Bromochloromethane
 Concen: 25.631 ug/l
 RT: 3.88 min Scan# 339
 Delta R.T. -0.00 min
 Lab File: VF059281.D
 Acq: 22 Jun 2018 18:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.8
130	105.2	69.4	104.2#





#29

Tetrahydrofuran

Concen: 120.695 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

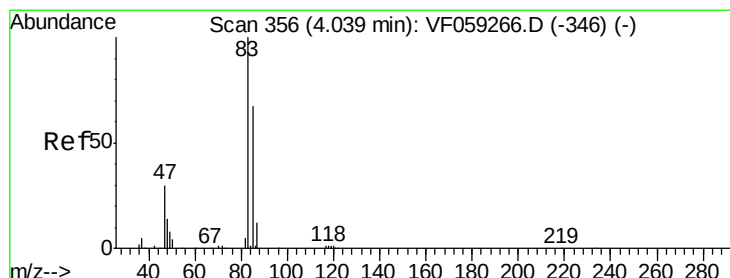
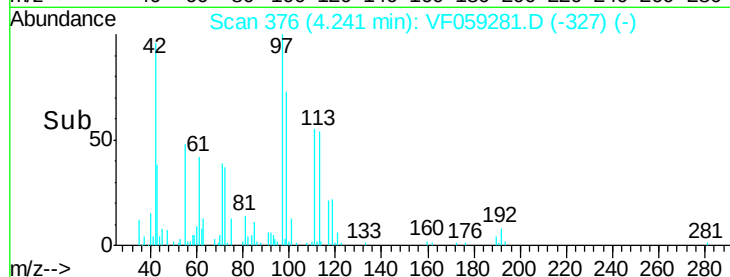
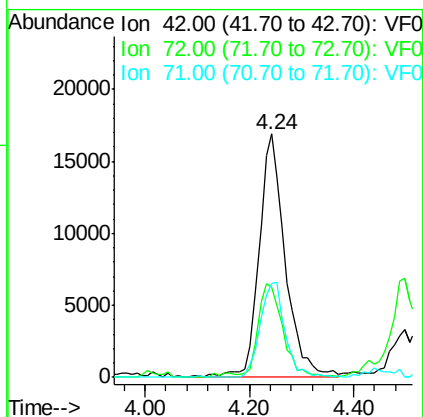
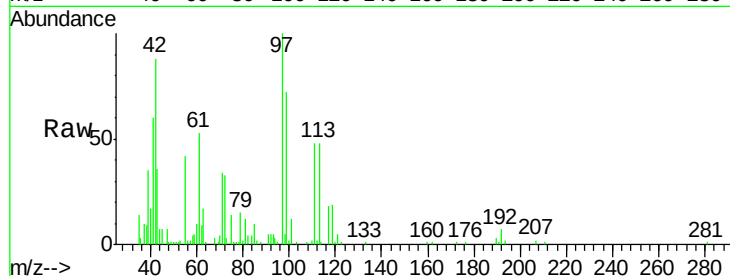
Tgt Ion: 42 Resp: 57819

Ion Ratio Lower Upper

42 100

72 36.3 31.2 46.8

71 37.2 30.2 45.2



#30

Chloroform

Concen: 22.630 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF059281.D

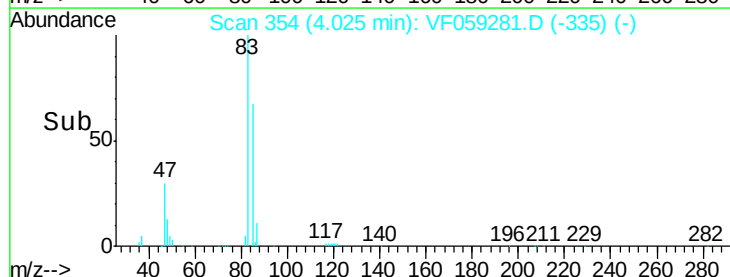
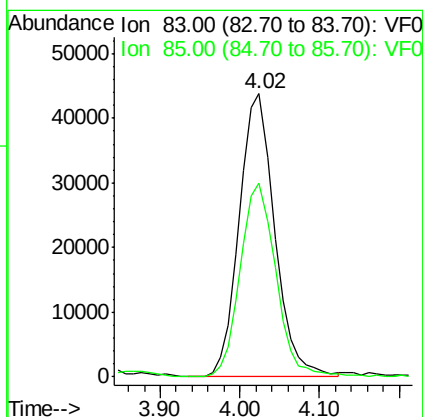
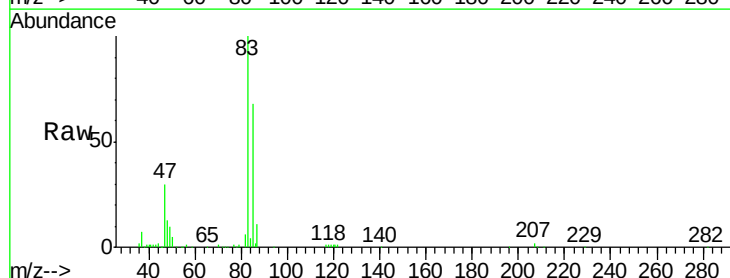
Acq: 22 Jun 2018 18:42

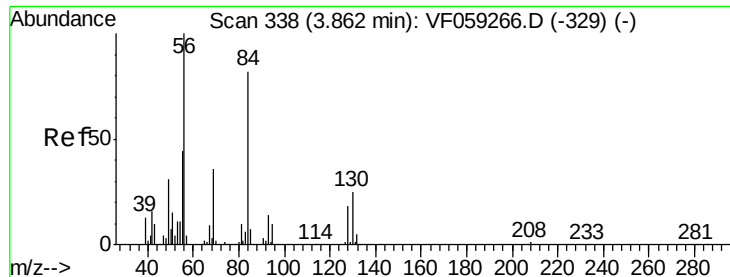
Tgt Ion: 83 Resp: 135932

Ion Ratio Lower Upper

83 100

85 68.2 54.2 81.2

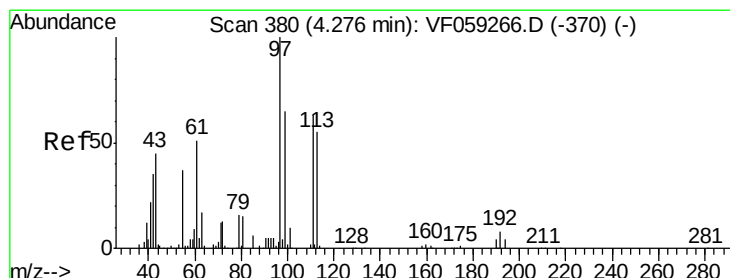
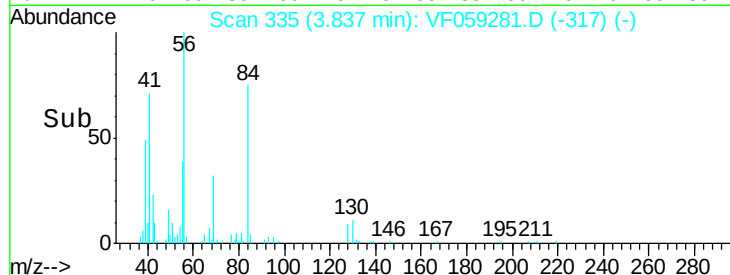
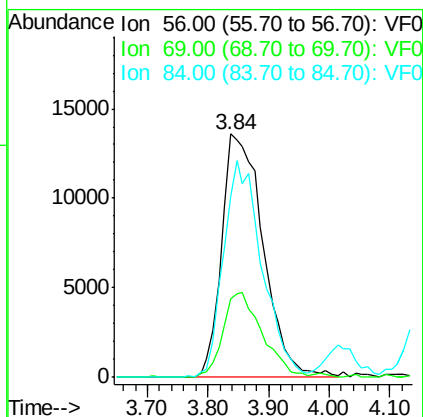
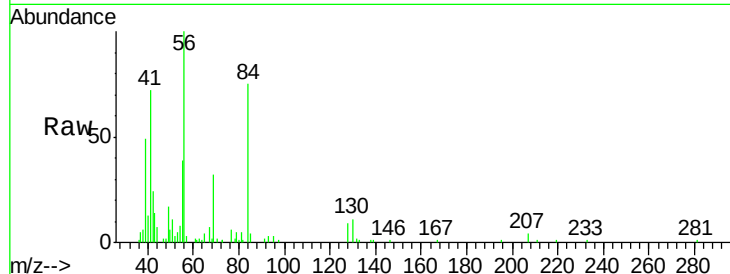




#31
Cyclohexane
Concen: 22.601 ug/l
RT: 3.84 min Scan# 335
Delta R.T. -0.02 min
Lab File: VF059281.D
Acq: 22 Jun 2018 18:42

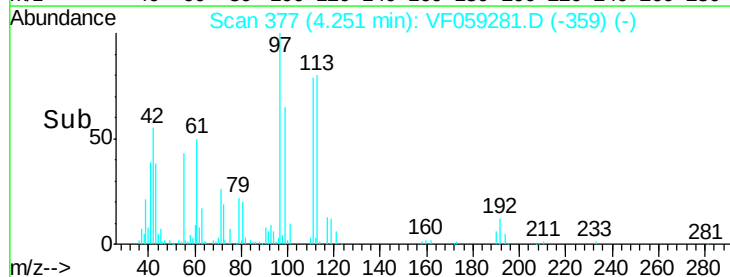
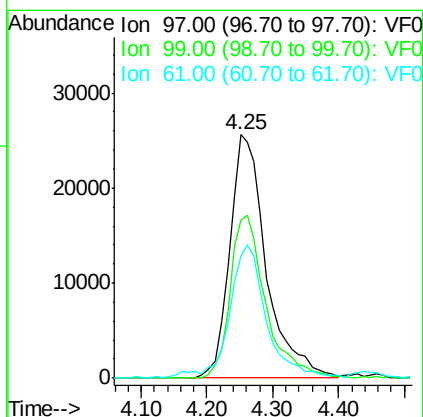
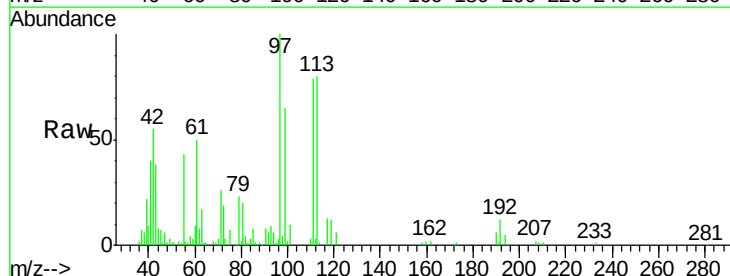
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBS01

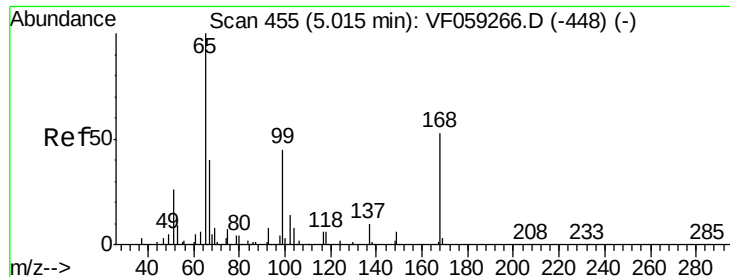
Tgt Ion: 56 Resp: 64539
Ion Ratio Lower Upper
56 100
69 32.0 28.6 43.0
84 74.5 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 21.912 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.02 min
Lab File: VF059281.D
Acq: 22 Jun 2018 18:42

Tgt Ion: 97 Resp: 99375
Ion Ratio Lower Upper
97 100
99 64.9 52.4 78.6
61 49.9 40.9 61.3

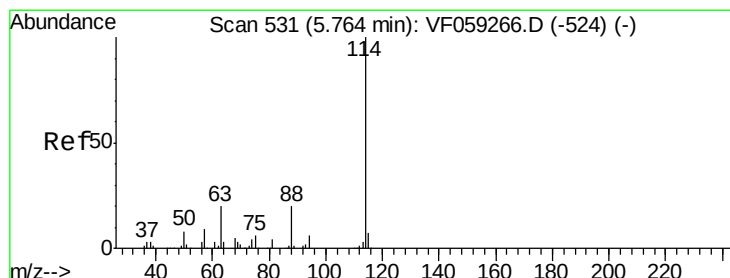
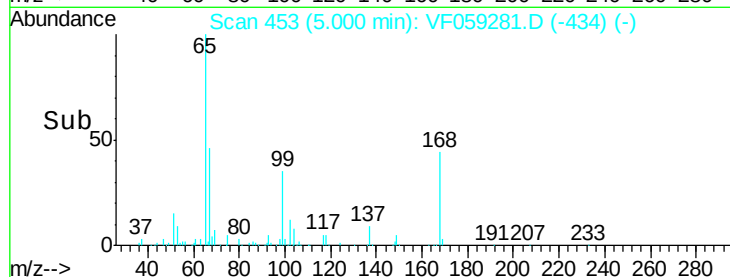
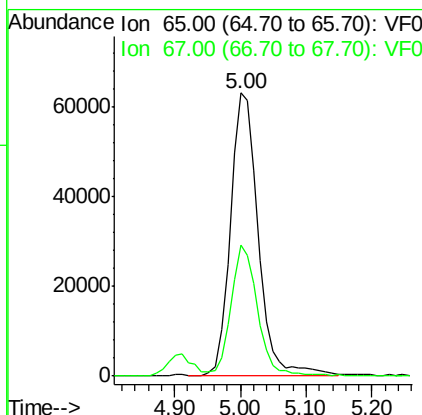
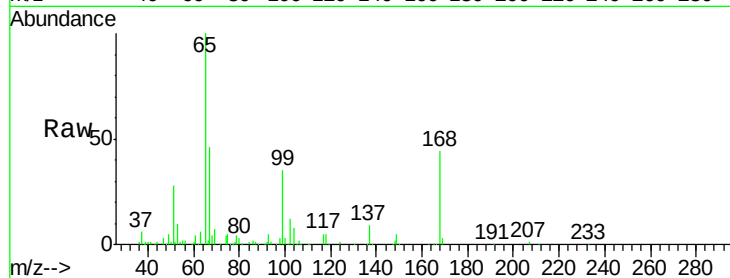




#33
 1,2-Dichloroethane-d4
 Concen: 55.074 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059281.D
 Acq: 22 Jun 2018 18:42

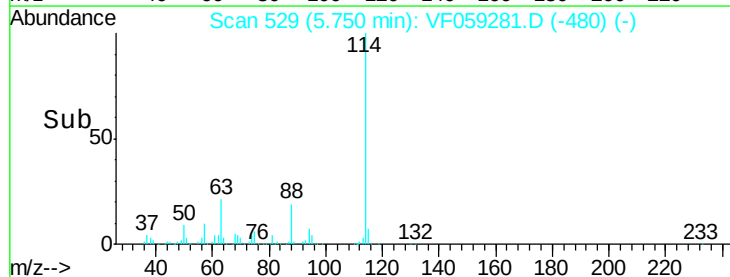
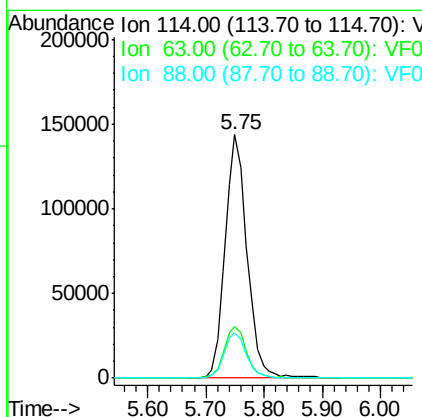
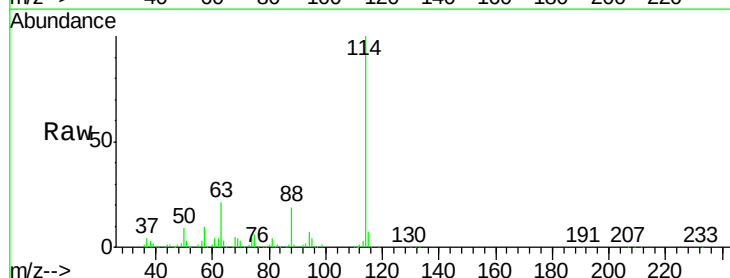
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBS01

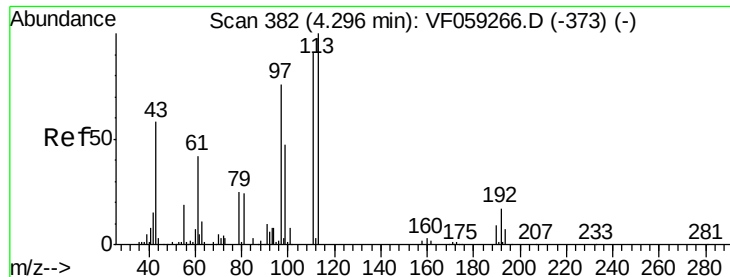
Tgt Ion: 65 Resp: 186379
 Ion Ratio Lower Upper
 65 100
 67 46.1 0.0 95.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059281.D
 Acq: 22 Jun 2018 18:42

Tgt Ion: 114 Resp: 375638
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.0
 88 18.5 0.0 39.6

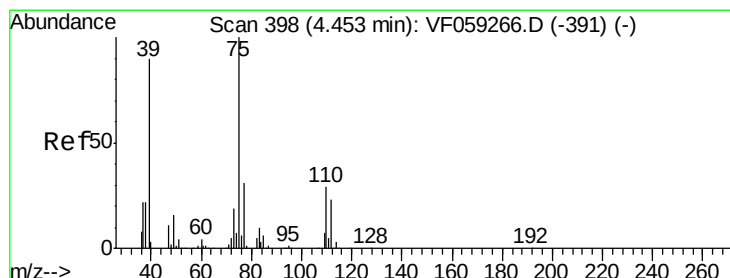
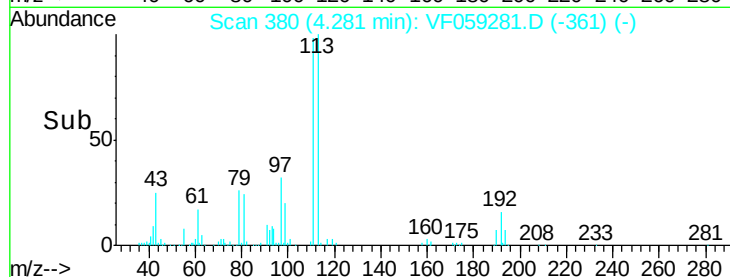
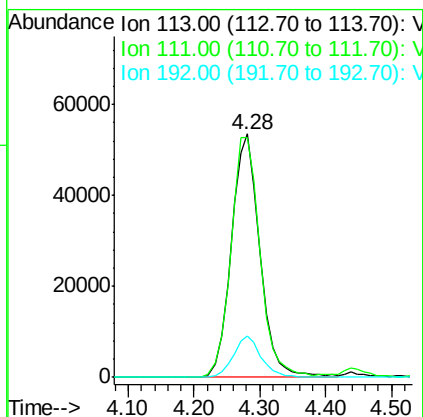
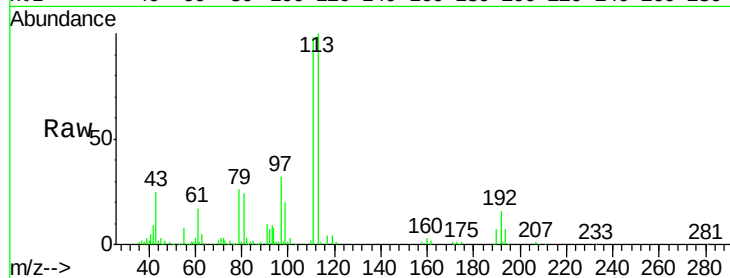




#35
 Dibromofluoromethane
 Concen: 51.499 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VF059281.D
 Acq: 22 Jun 2018 18:42

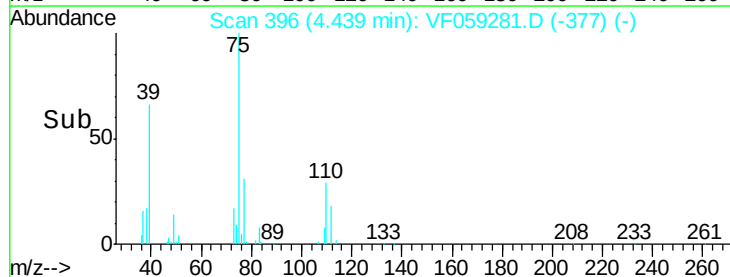
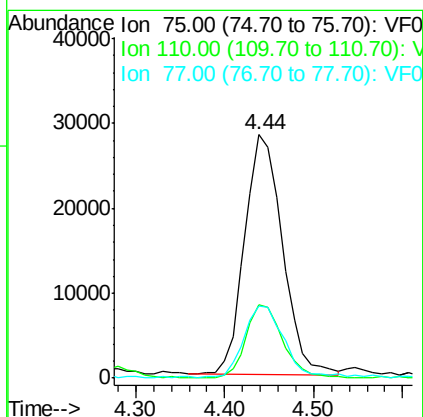
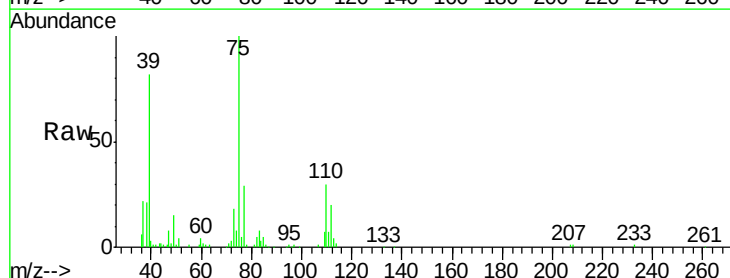
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBS01

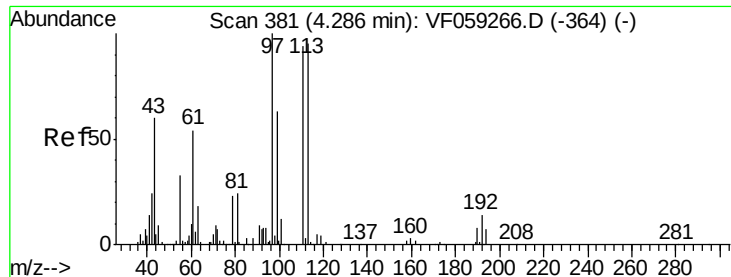
Tgt Ion: 113 Resp: 162760
 Ion Ratio Lower Upper
 113 100
 111 98.3 73.1 109.7
 192 16.8 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 21.129 ug/l
 RT: 4.44 min Scan# 396
 Delta R.T. -0.01 min
 Lab File: VF059281.D
 Acq: 22 Jun 2018 18:42

Tgt Ion: 75 Resp: 83407
 Ion Ratio Lower Upper
 75 100
 110 30.1 14.5 43.5
 77 29.4 25.0 37.6

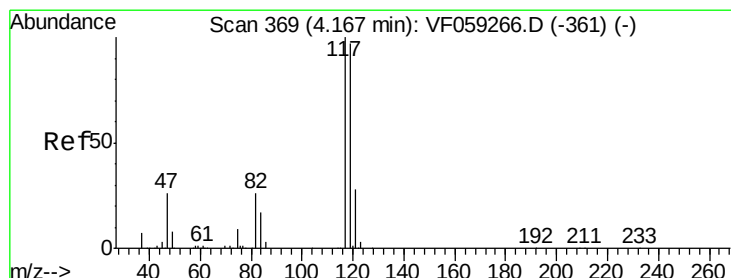
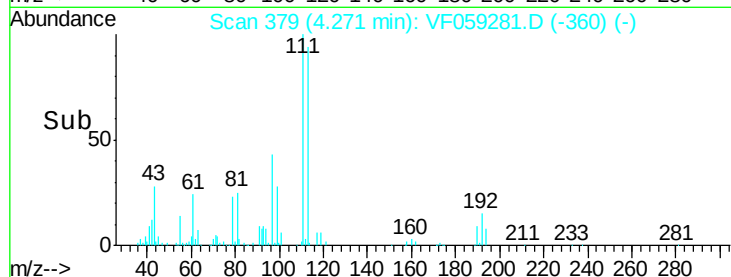
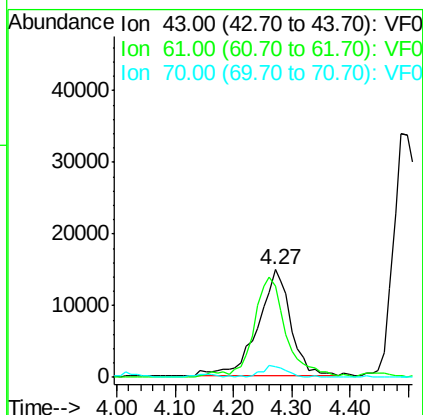
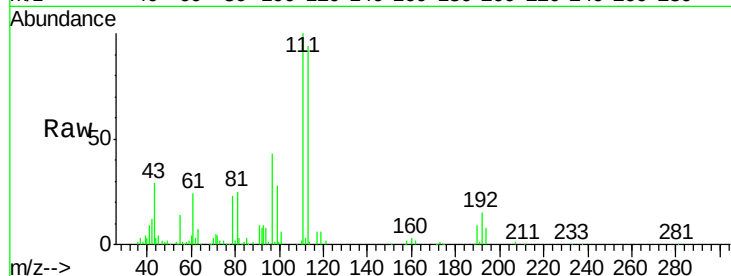




#37
Ethyl Acetate
 Concen: 23.442 ug/l
 RT: 4.27 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VF059281.D
 Acq: 22 Jun 2018 18:42

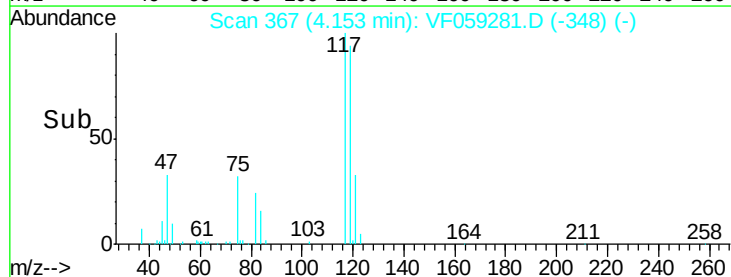
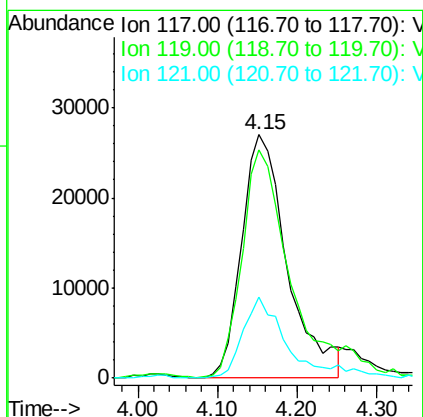
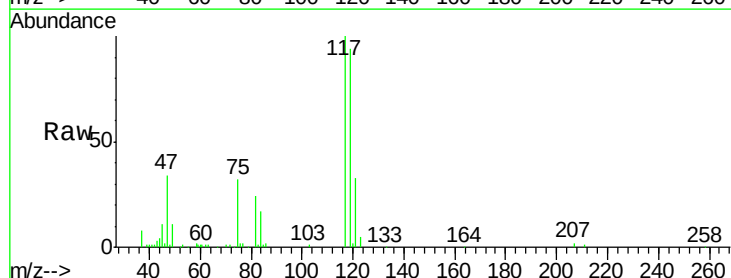
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBS01

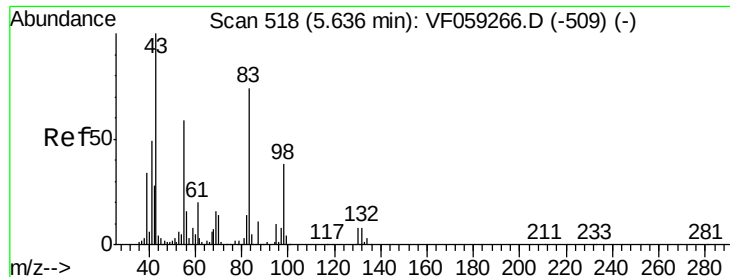
Tgt Ion: 43 Resp: 59130
 Ion Ratio Lower Upper
 43 100
 61 85.3 71.6 107.4
 70 9.5 6.9 10.3



#38
Carbon Tetrachloride
 Concen: 22.145 ug/l
 RT: 4.15 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VF059281.D
 Acq: 22 Jun 2018 18:42

Tgt Ion: 117 Resp: 107380
 Ion Ratio Lower Upper
 117 100
 119 93.9 77.5 116.3
 121 33.2 22.2 33.4

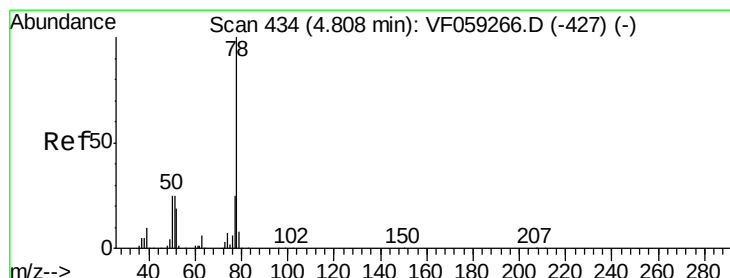
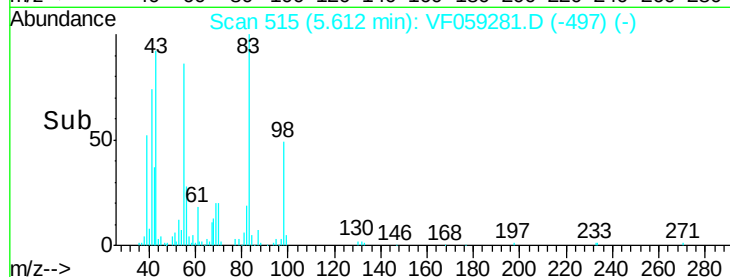
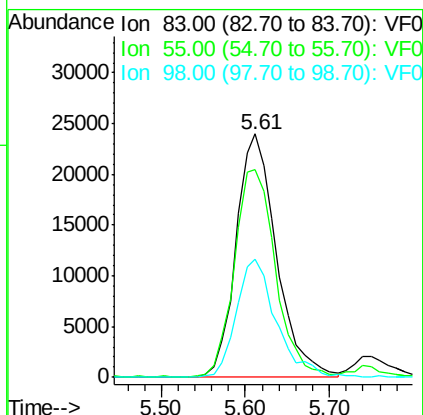
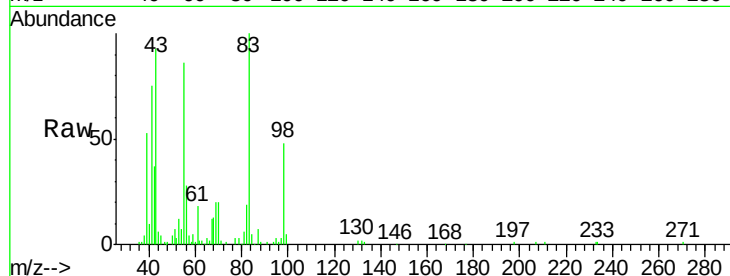




#39
Methylcyclohexane
Concen: 22.735 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.02 min
Lab File: VF059281.D
Acq: 22 Jun 2018 18:42

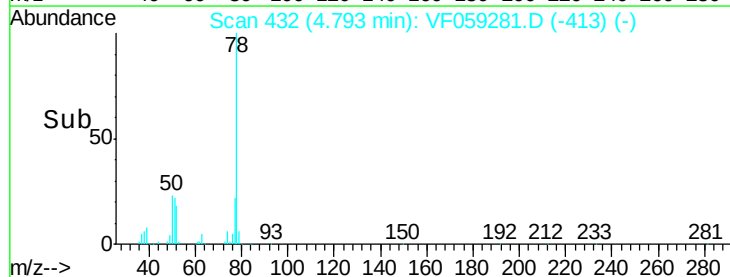
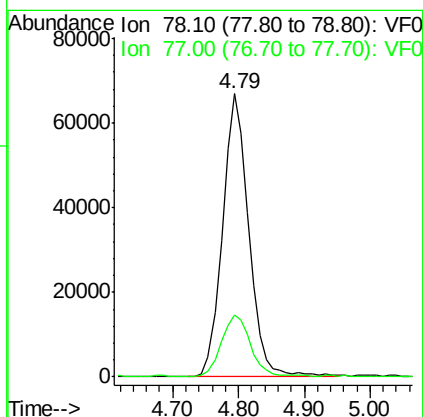
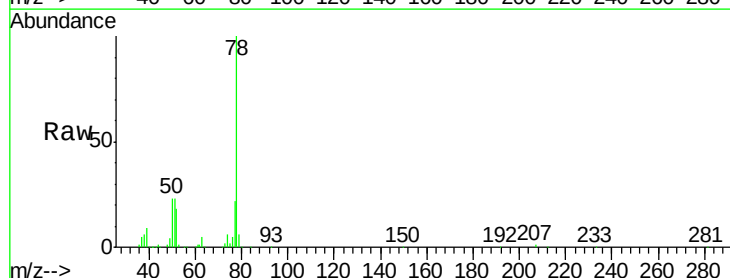
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBS01

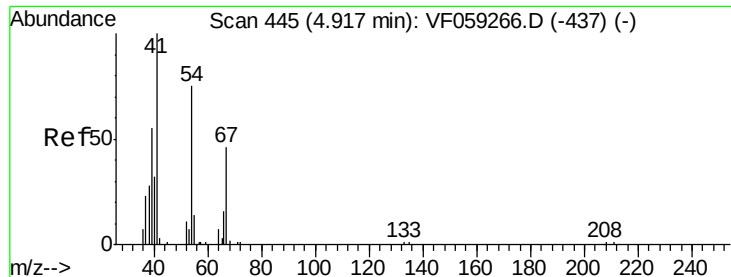
Tgt Ion: 83 Resp: 80314
Ion Ratio Lower Upper
83 100
55 85.6 63.7 95.5
98 48.4 41.6 62.4



#40
Benzene
Concen: 22.313 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.01 min
Lab File: VF059281.D
Acq: 22 Jun 2018 18:42

Tgt Ion: 78 Resp: 186895
Ion Ratio Lower Upper
78 100
77 22.0 20.4 30.6





#41

Methacrylonitrile

Concen: 23.760 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

Tgt Ion: 41 Resp: 28631

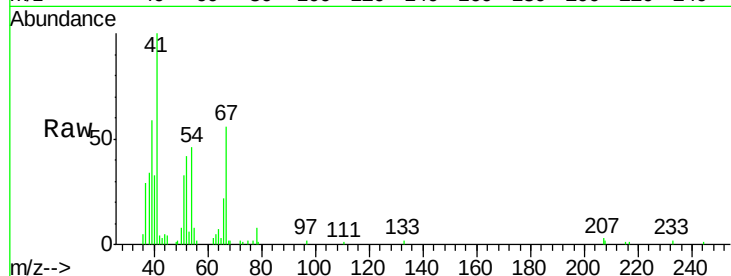
Ion Ratio Lower Upper

41 100

39 58.7 57.0 85.6

67 55.5 36.8 55.2#

52 41.8 37.7 56.5

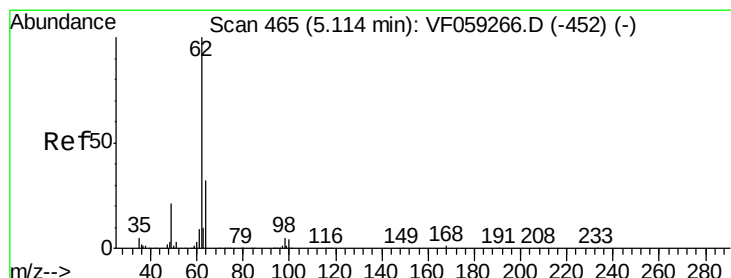
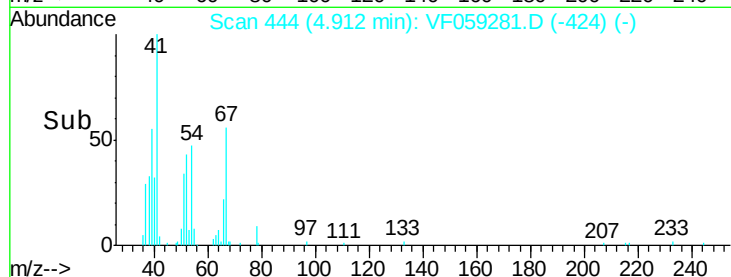
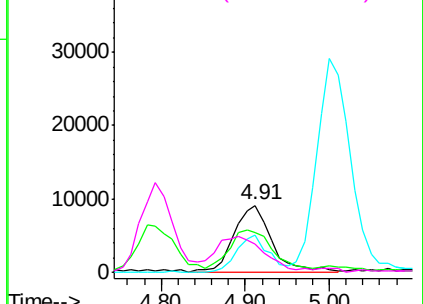


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 21.926 ug/l

RT: 5.10 min Scan# 463

Delta R.T. -0.01 min

Lab File: VF059281.D

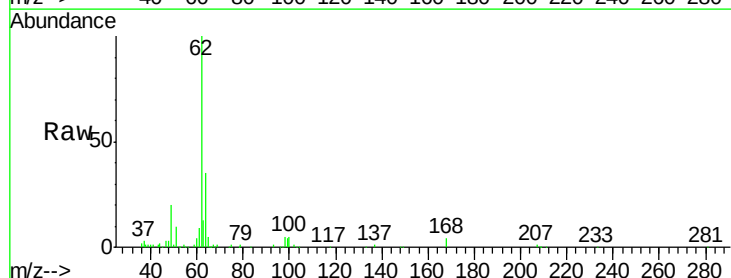
Acq: 22 Jun 2018 18:42

Tgt Ion: 62 Resp: 105797

Ion Ratio Lower Upper

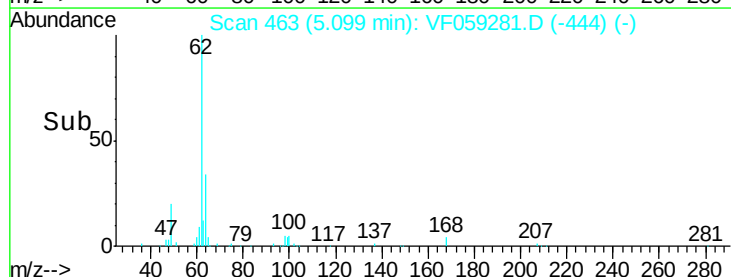
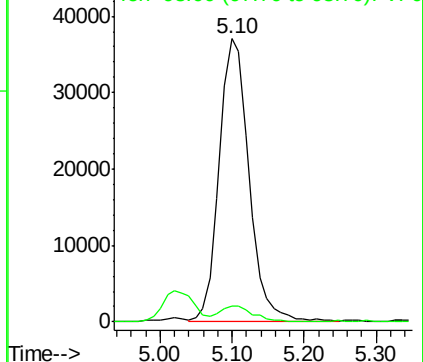
62 100

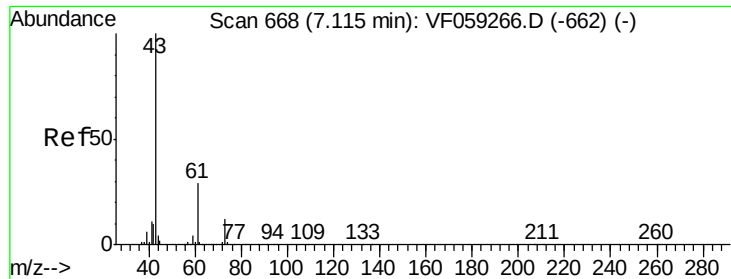
98 5.4 0.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 21.199 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

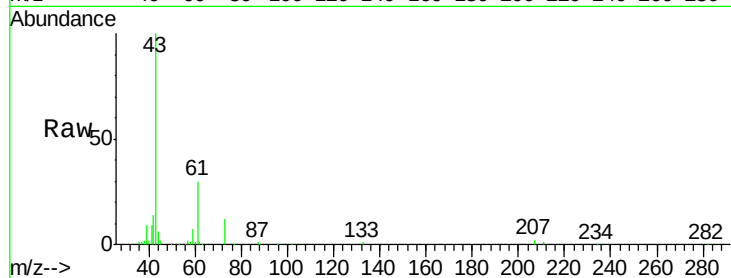
Tgt Ion: 43 Resp: 65525

Ion Ratio Lower Upper

43 100

61 30.3 22.8 34.2

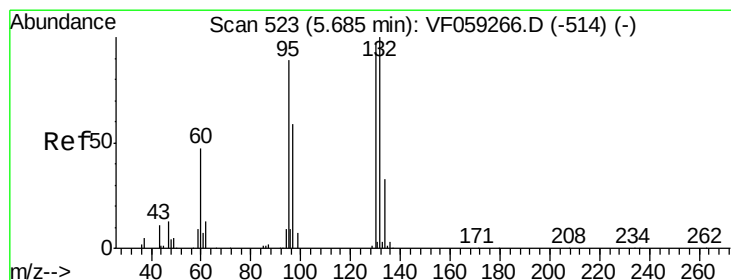
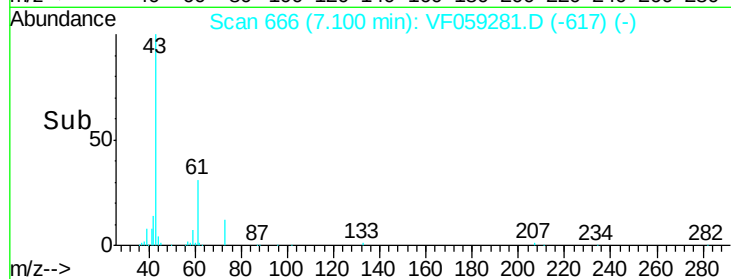
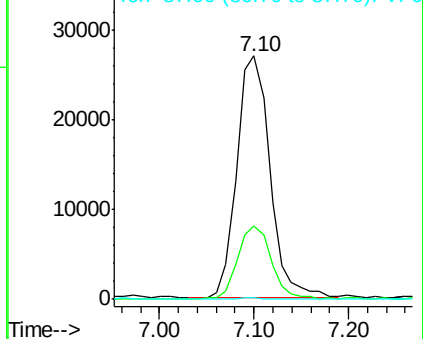
87 0.8 0.3 0.5#



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: 22.673 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.02 min

Lab File: VF059281.D

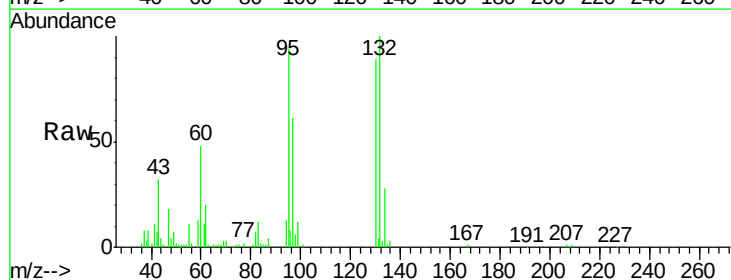
Acq: 22 Jun 2018 18:42

Tgt Ion: 130 Resp: 65814

Ion Ratio Lower Upper

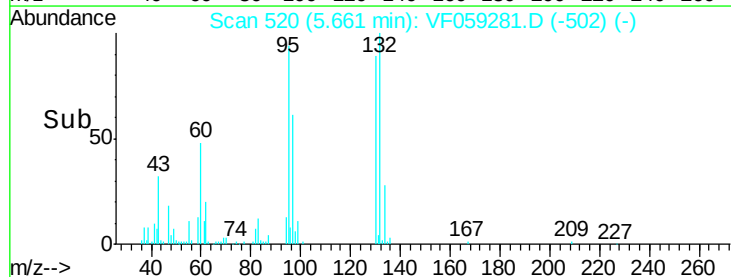
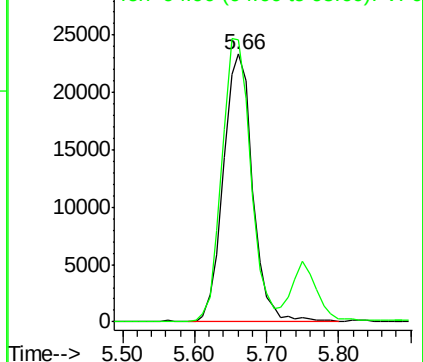
130 100

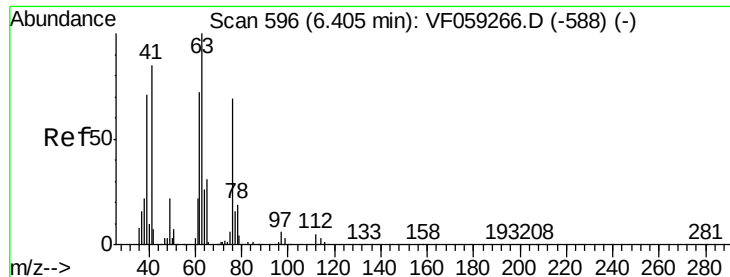
95 105.6 0.0 183.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 23.467 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

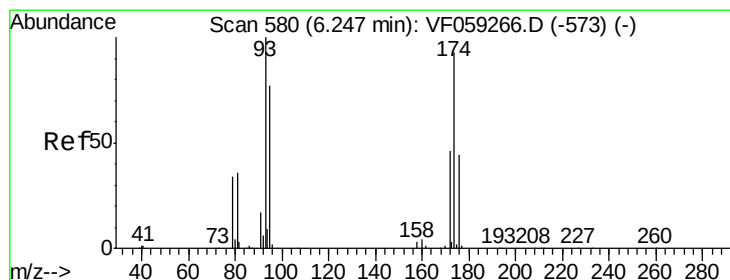
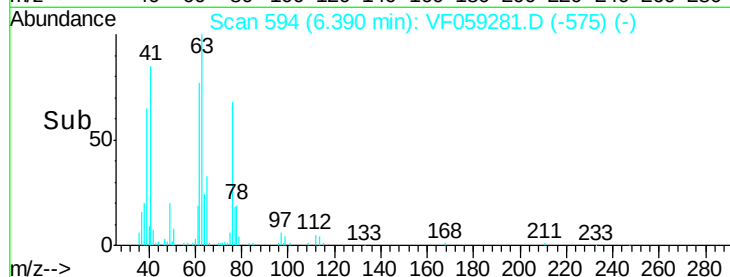
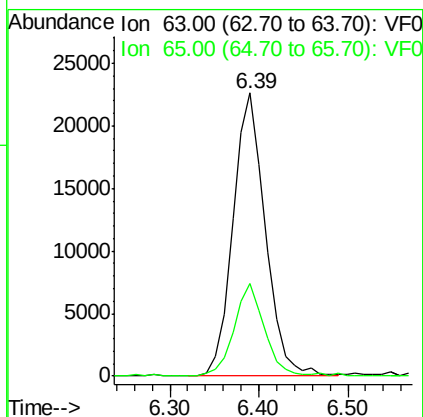
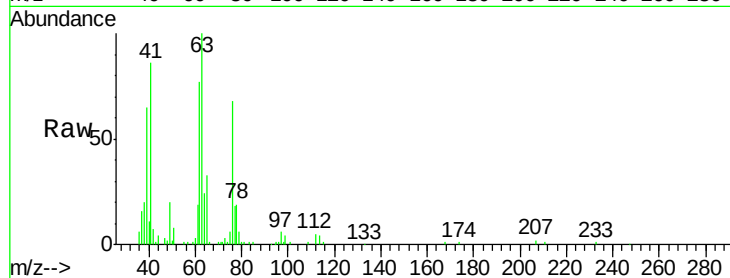
VF0622SBS01

Tgt Ion: 63 Resp: 57345

Ion Ratio Lower Upper

63 100

65 32.6 25.3 37.9



#46

Dibromomethane

Concen: 21.694 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

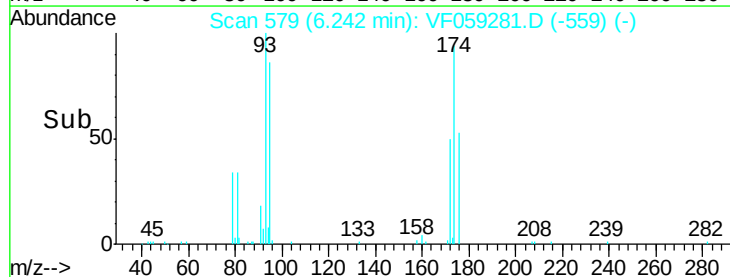
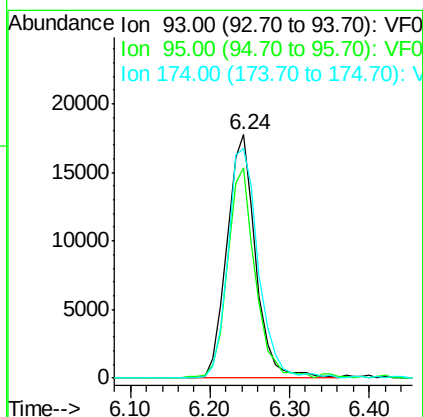
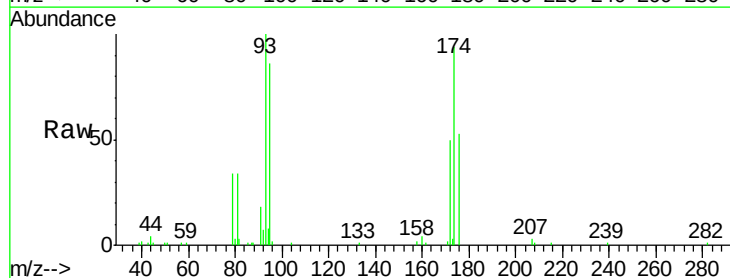
Tgt Ion: 93 Resp: 44740

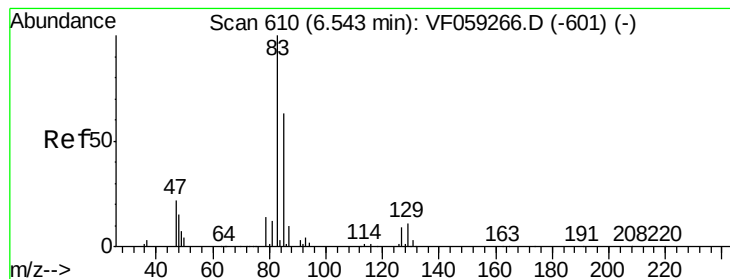
Ion Ratio Lower Upper

93 100

95 86.2 61.8 92.6

174 94.1 74.4 111.6





#47

Bromodichloromethane

Concen: 23.081 ug/l

RT: 6.53 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

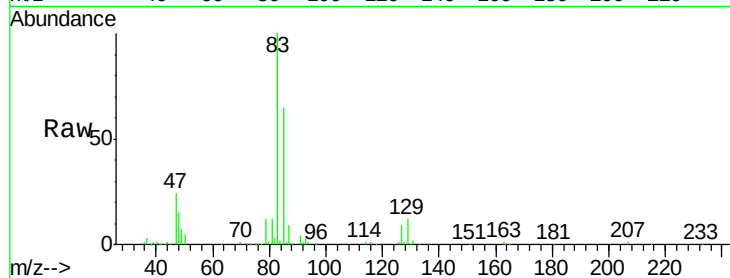
Tgt Ion: 83 Resp: 113972

Ion Ratio Lower Upper

83 100

85 65.4 50.3 75.5

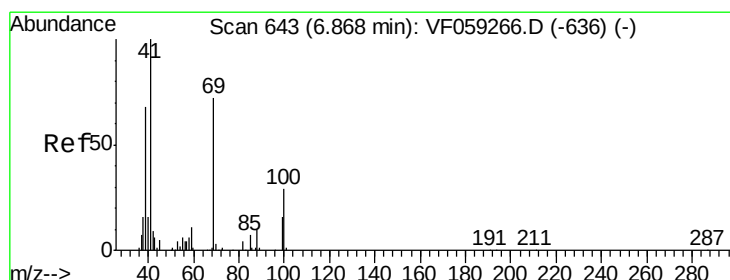
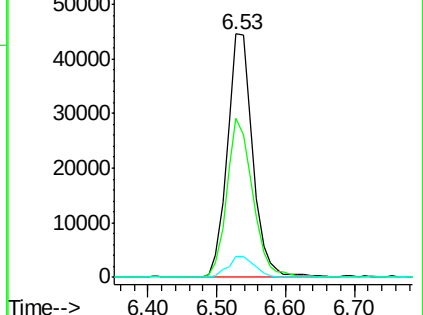
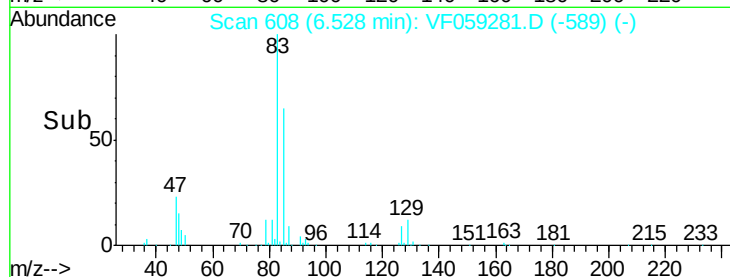
127 8.6 7.0 10.4



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: 23.100 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

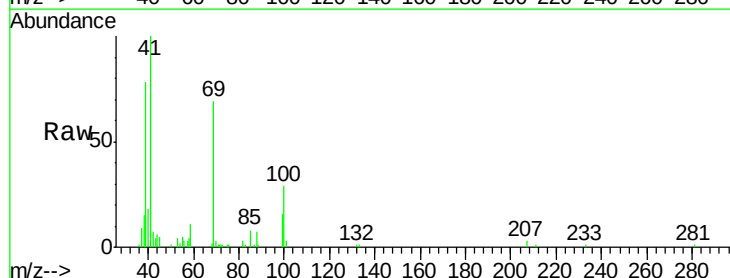
Tgt Ion: 41 Resp: 45201

Ion Ratio Lower Upper

41 100

69 69.4 57.4 86.2

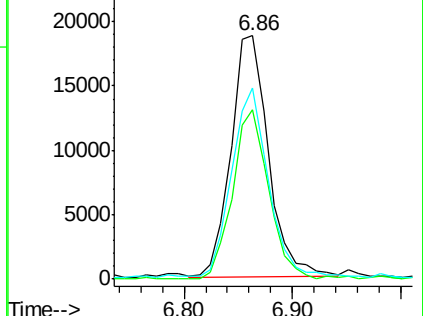
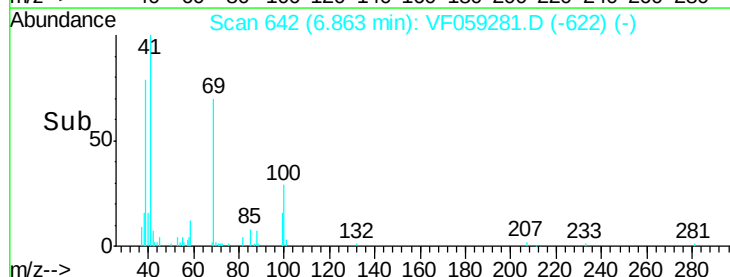
39 78.4 54.8 82.2

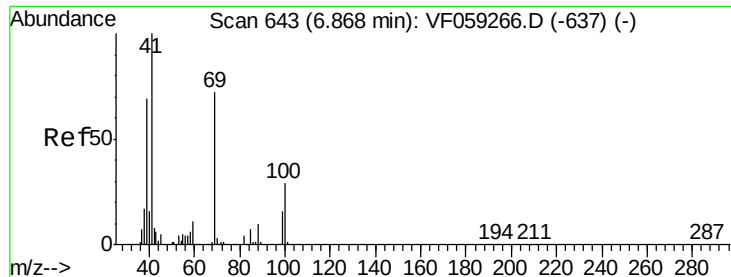


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

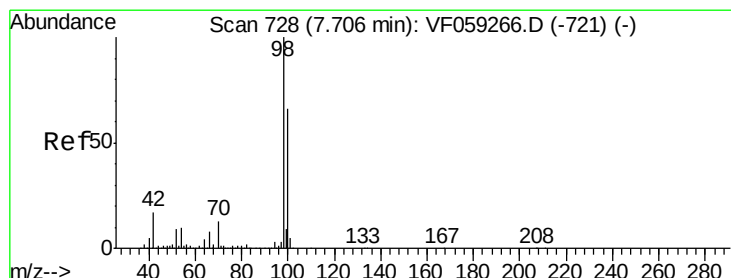
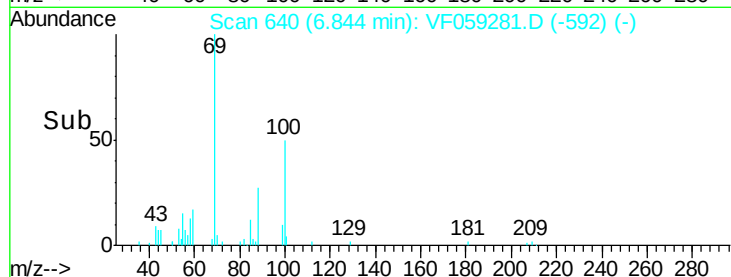
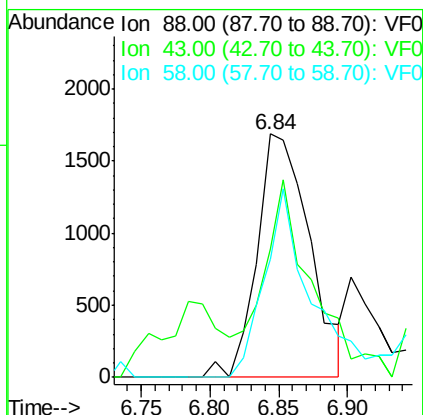
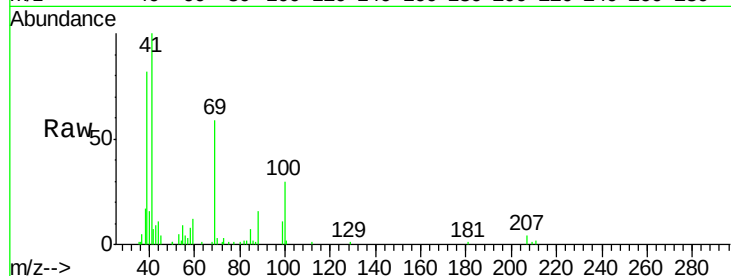




#49
 1,4-Dioxane
 Concen: 394.603 ug/l
 RT: 6.84 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: VF059281.D
 Acq: 22 Jun 2018 18:42

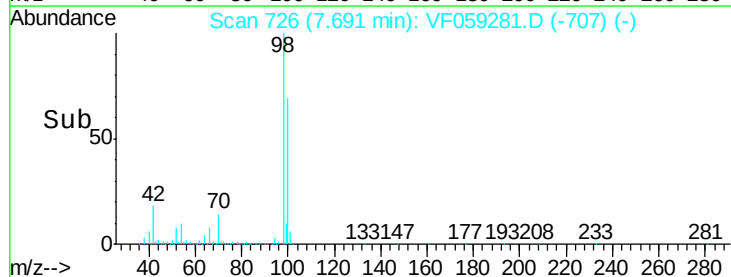
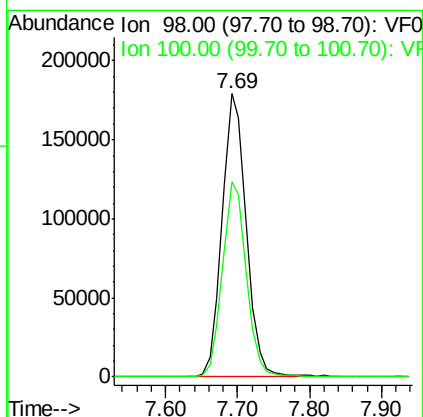
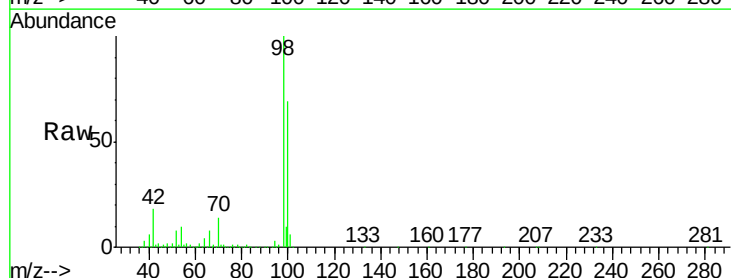
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBS01

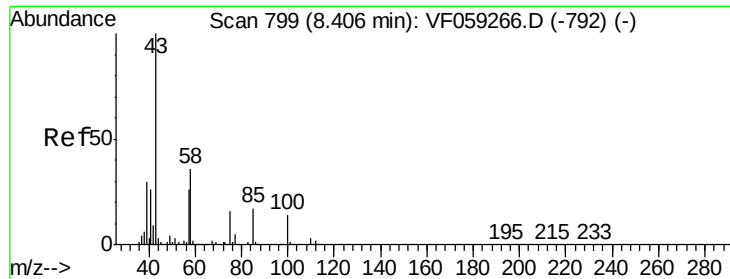
Tgt Ion: 88 Resp: 4478
 Ion Ratio Lower Upper
 88 100
 43 52.6 55.5 83.3#
 58 48.3 50.1 75.1#



#50
 Toluene-d8
 Concen: 51.815 ug/l
 RT: 7.69 min Scan# 726
 Delta R.T. -0.01 min
 Lab File: VF059281.D
 Acq: 22 Jun 2018 18:42

Tgt Ion: 98 Resp: 416539
 Ion Ratio Lower Upper
 98 100
 100 69.1 52.8 79.2

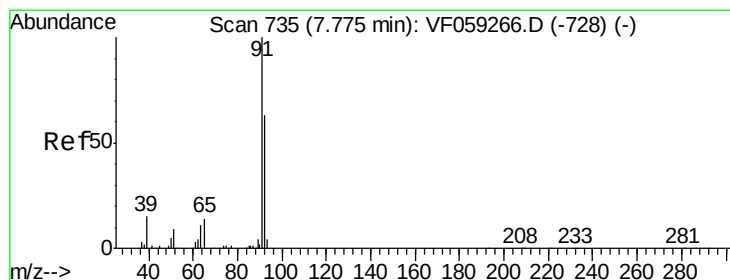
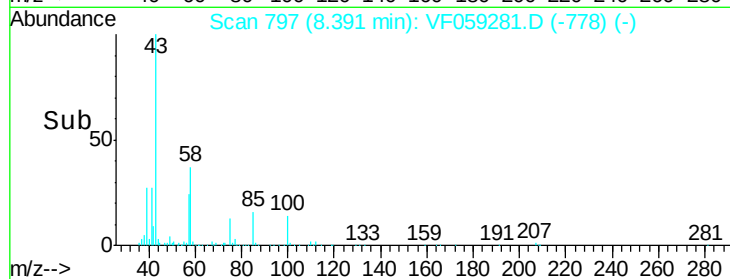
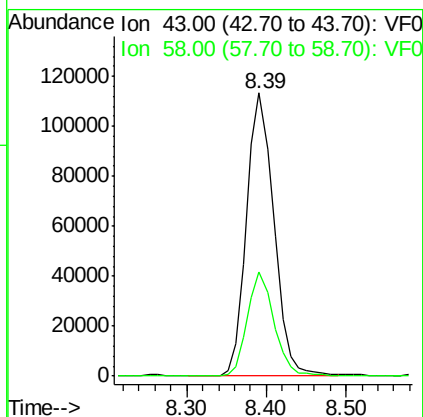
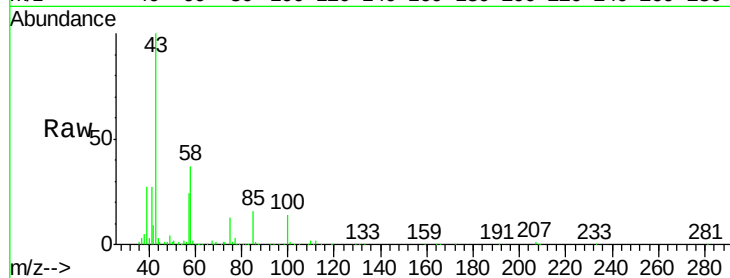




#51
 4-Methyl-2-Pentanone
 Concen: 122.154 ug/l
 RT: 8.39 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: VF059281.D
 Acq: 22 Jun 2018 18:42

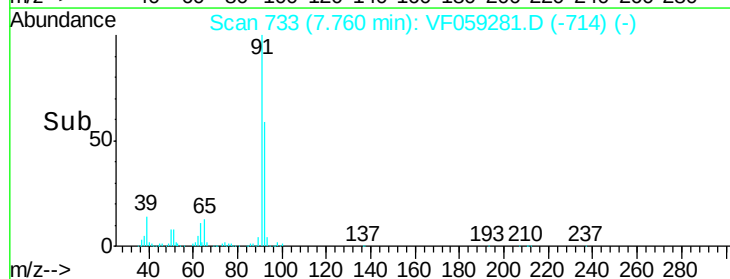
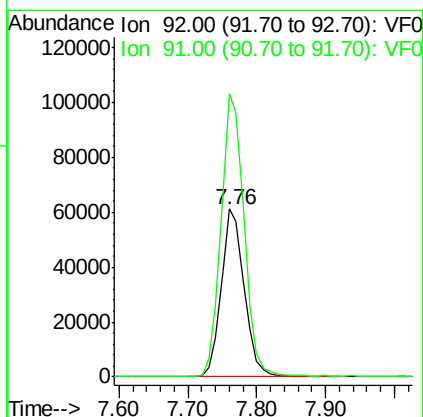
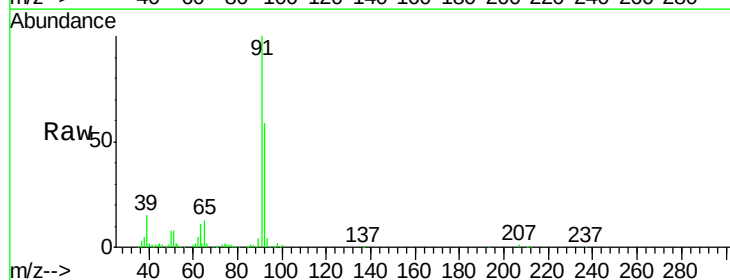
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBS01

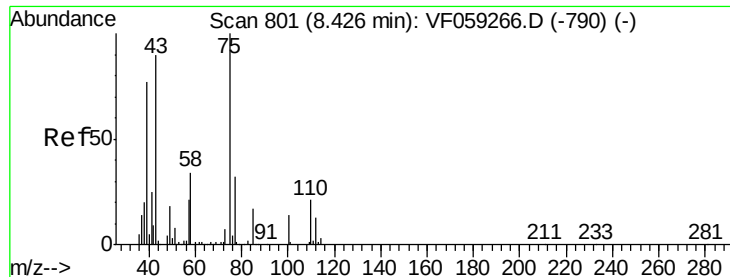
Tgt Ion: 43 Resp: 269259
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.0 43.6



#52
 Toluene
 Concen: 21.887 ug/l
 RT: 7.76 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VF059281.D
 Acq: 22 Jun 2018 18:42

Tgt Ion: 92 Resp: 141489
 Ion Ratio Lower Upper
 92 100
 91 168.8 127.8 191.6





#53

t-1,3-Dichloropropene

Concen: 23.314 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

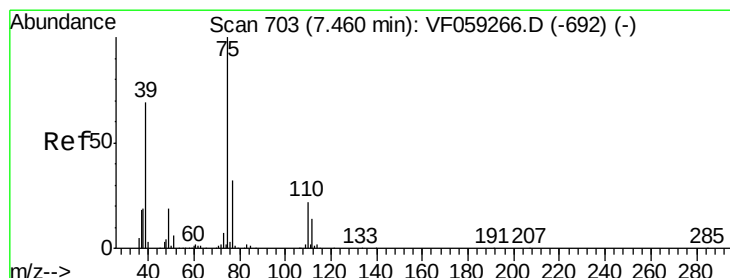
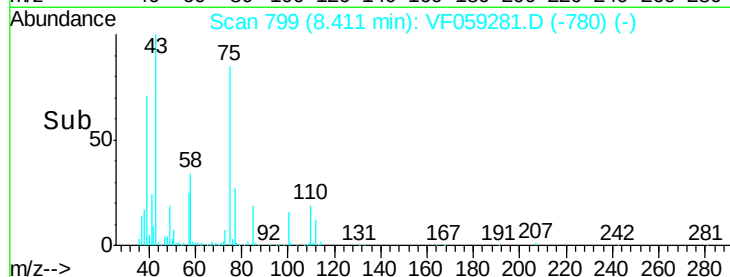
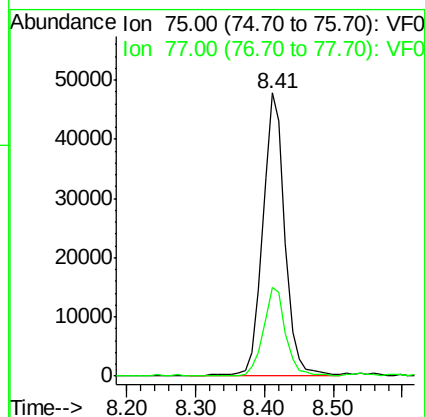
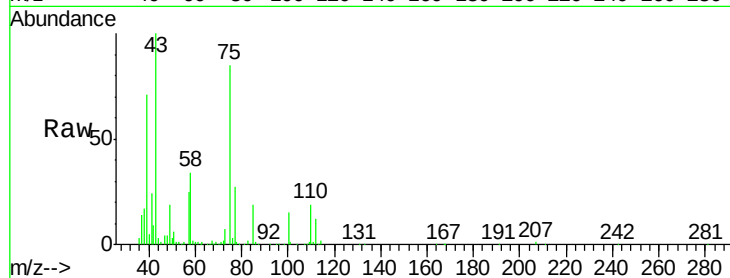
VF0622SBS01

Tgt Ion: 75 Resp: 108082

Ion Ratio Lower Upper

75 100

77 31.4 26.1 39.1



#54

cis-1,3-Dichloropropene

Concen: 23.371 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

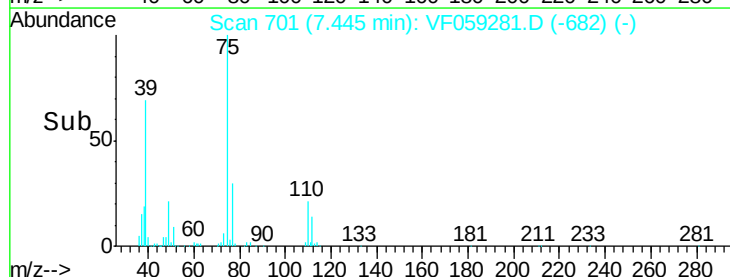
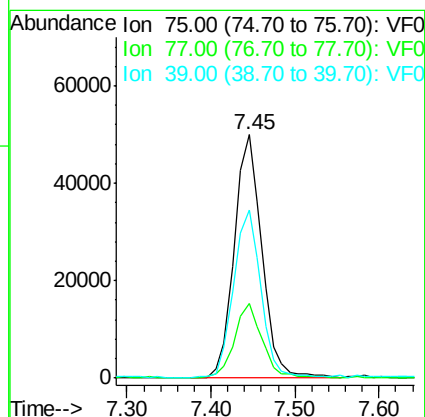
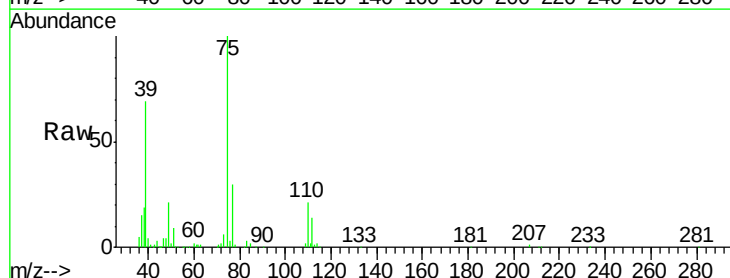
Tgt Ion: 75 Resp: 114391

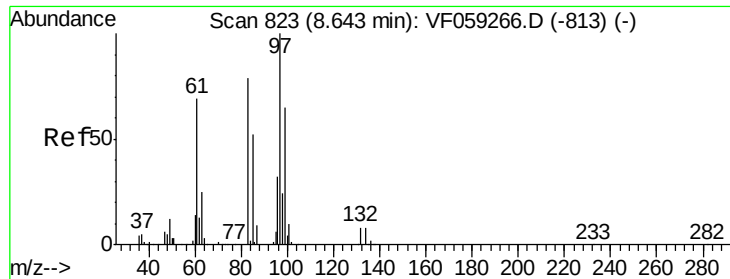
Ion Ratio Lower Upper

75 100

77 30.5 26.0 39.0

39 69.0 55.5 83.3





#55

1,1,2-Trichloroethane

Concen: 22.517 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

Tgt Ion: 97 Resp: 56190

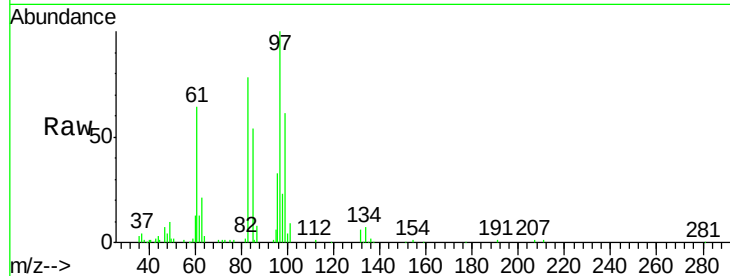
Ion Ratio Lower Upper

97 100

83 78.2 63.2 94.8

85 54.5 41.8 62.6

99 61.4 51.7 77.5

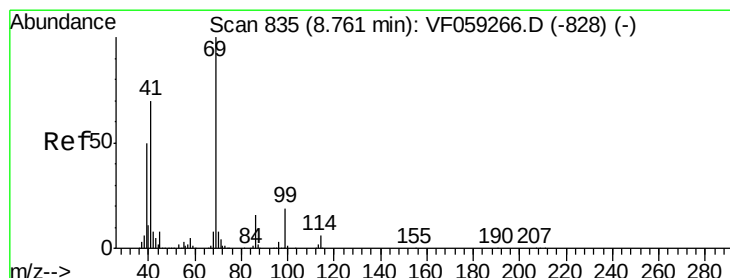
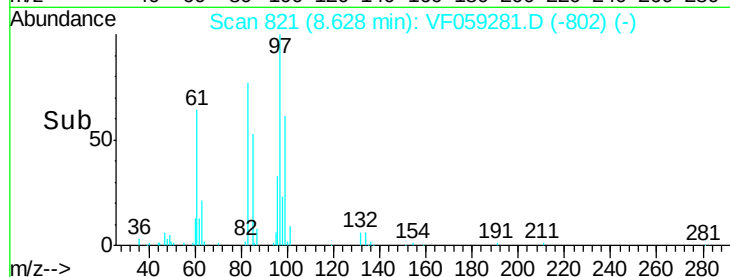
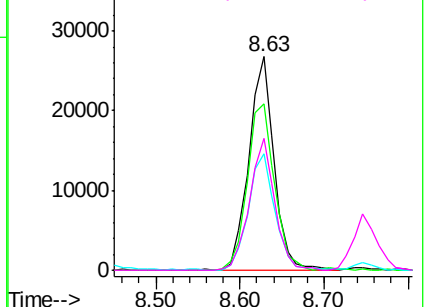


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 22.835 ug/l

RT: 8.75 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

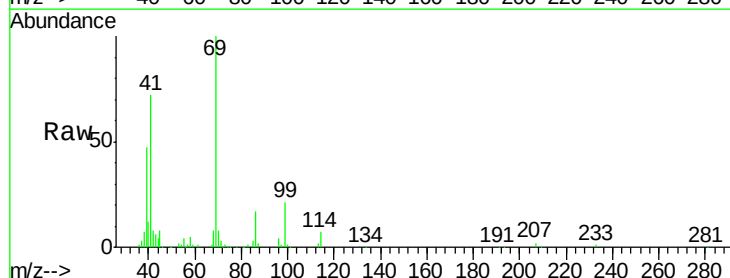
Tgt Ion: 69 Resp: 65153

Ion Ratio Lower Upper

69 100

41 72.3 56.6 85.0

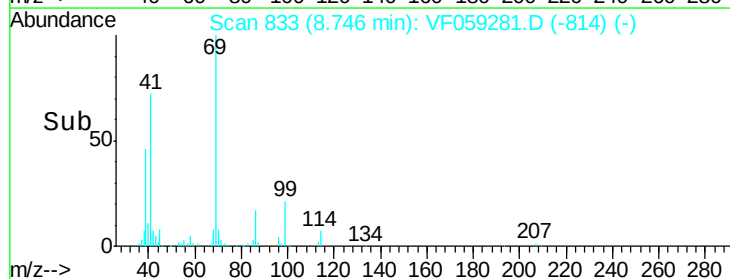
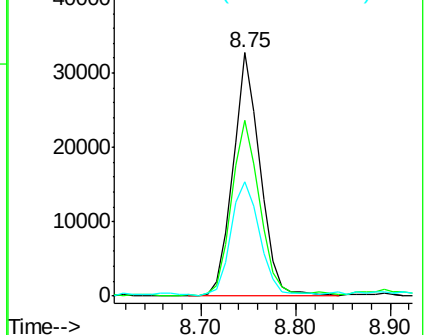
39 47.0 40.5 60.7

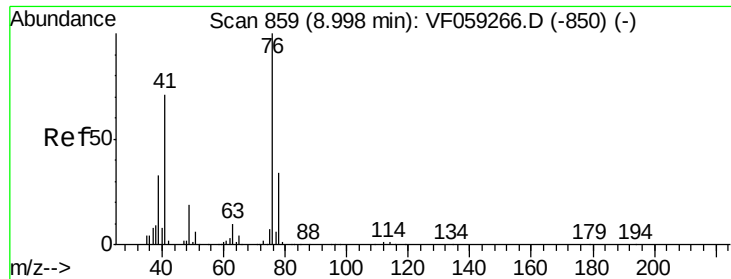


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 23.197 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

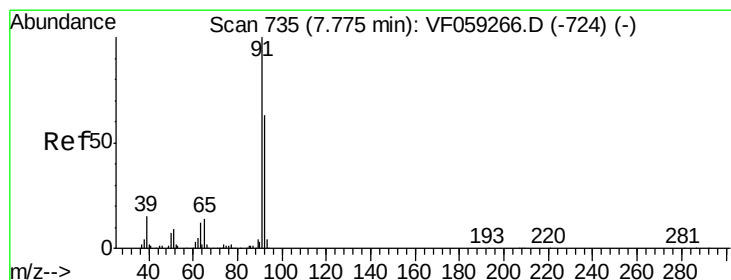
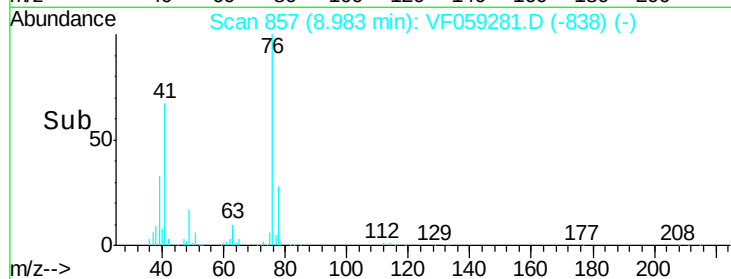
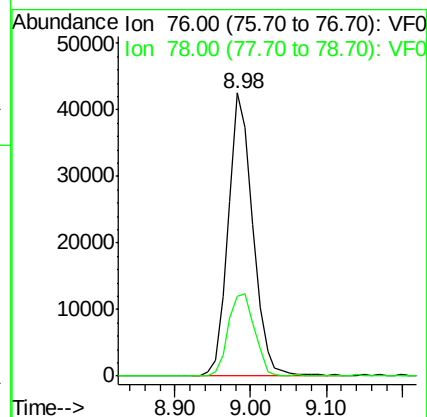
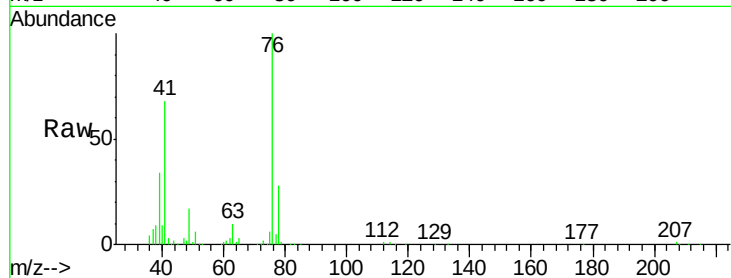
VF0622SBS01

Tgt Ion: 76 Resp: 95744

Ion Ratio Lower Upper

76 100

78 28.3 27.5 41.3



#58

2-Chloroethyl Vinyl ether

Concen: 107.317 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059281.D

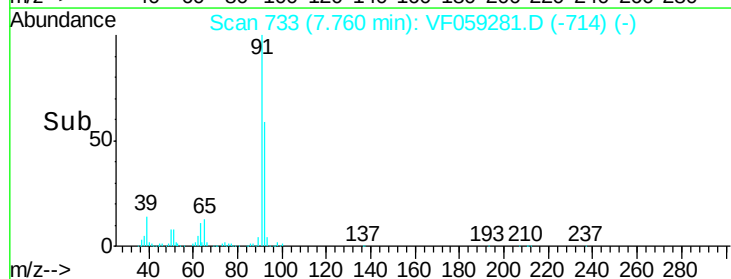
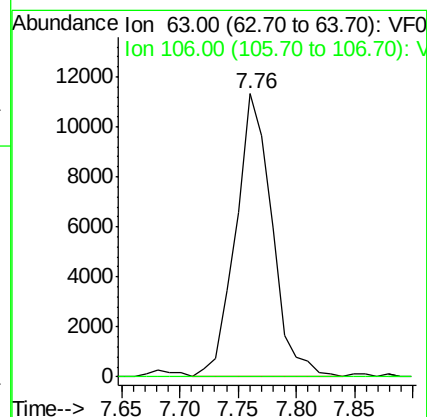
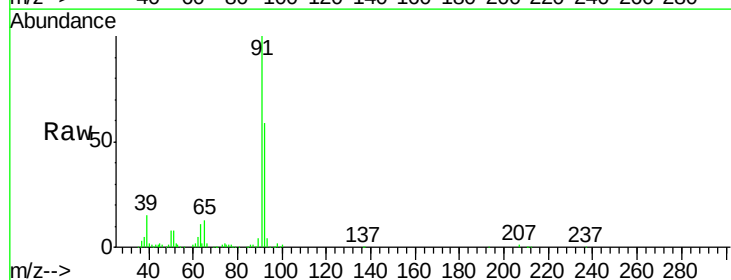
Acq: 22 Jun 2018 18:42

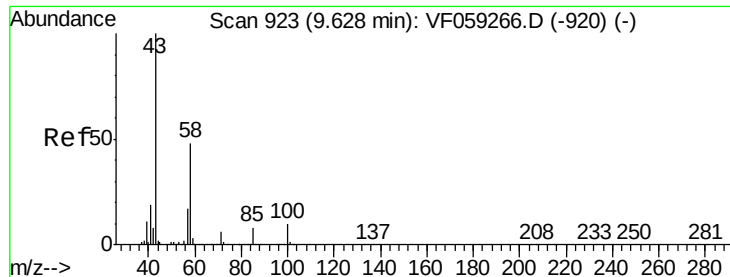
Tgt Ion: 63 Resp: 24487

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

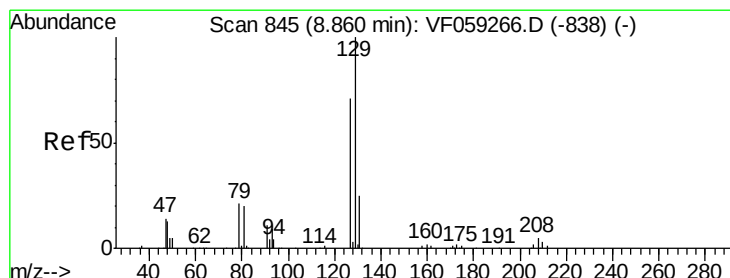
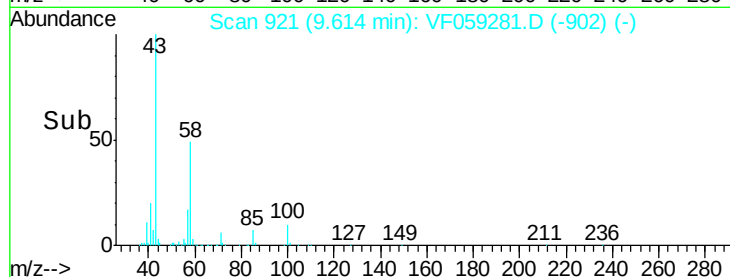
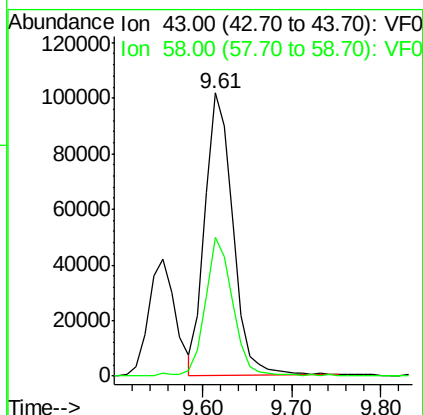
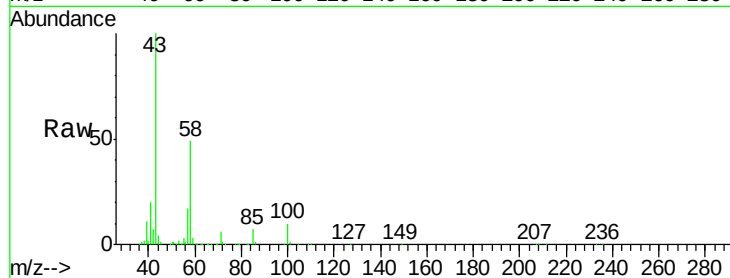




#59
2-Hexanone
Concen: 125.589 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059281.D
Acq: 22 Jun 2018 18:42

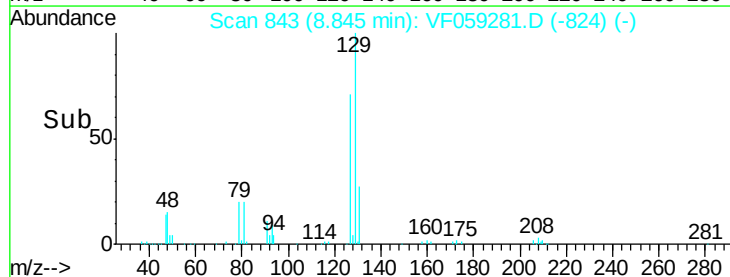
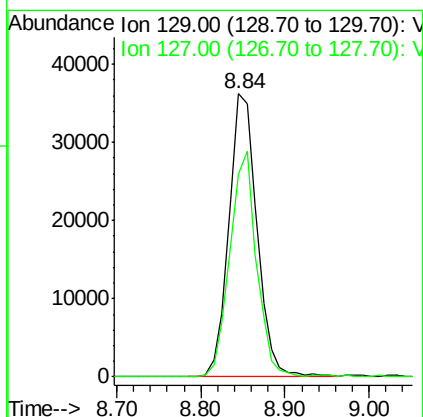
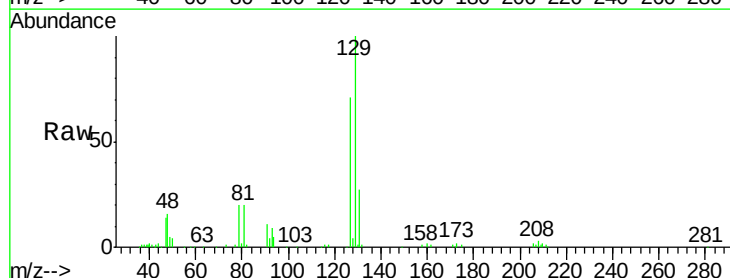
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBS01

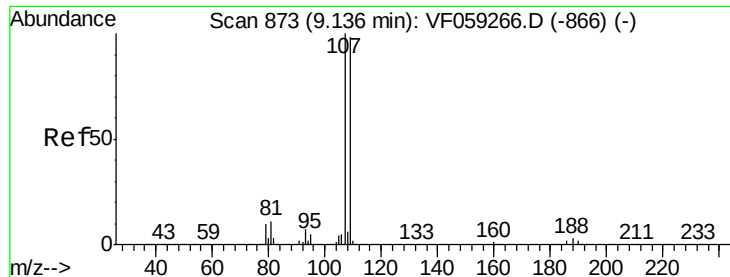
Tgt Ion: 43 Resp: 219476
Ion Ratio Lower Upper
43 100
58 49.2 23.3 69.9



#60
Dibromochloromethane
Concen: 22.976 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.01 min
Lab File: VF059281.D
Acq: 22 Jun 2018 18:42

Tgt Ion: 129 Resp: 84364
Ion Ratio Lower Upper
129 100
127 71.5 35.4 106.2





#61

1,2-Dibromoethane

Concen: 22.790 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

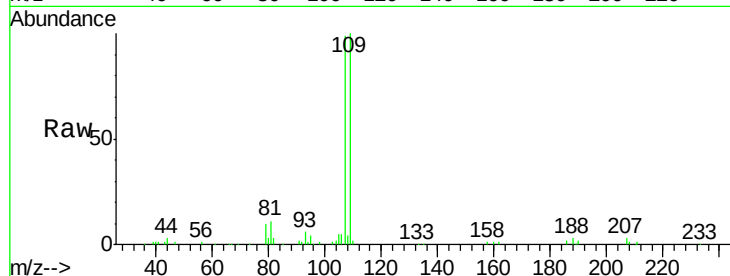
VF0622SBS01

Tgt Ion: 107 Resp: 65515

Ion Ratio Lower Upper

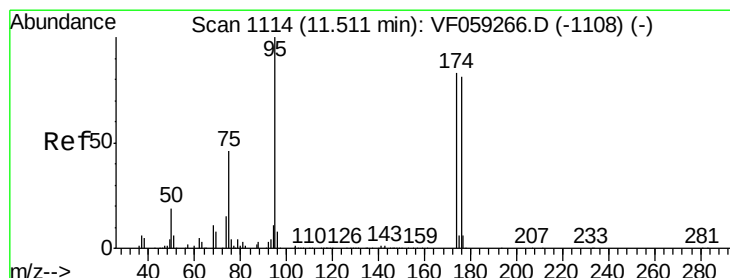
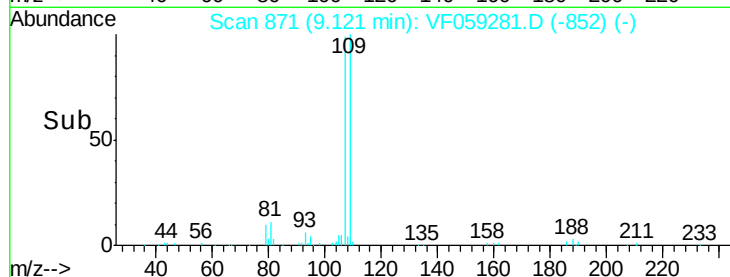
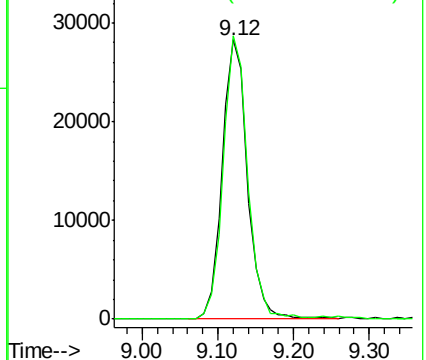
107 100

109 101.4 78.0 117.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.670 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

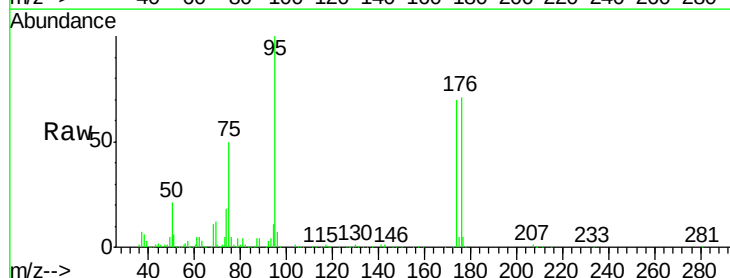
Tgt Ion: 95 Resp: 230333

Ion Ratio Lower Upper

95 100

174 70.1 0.0 166.2

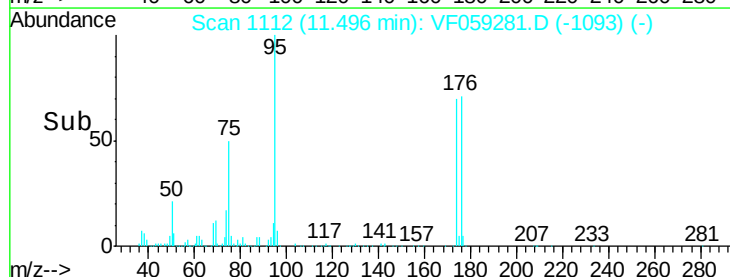
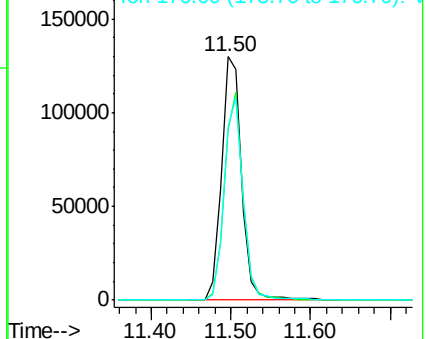
176 71.3 0.0 162.8

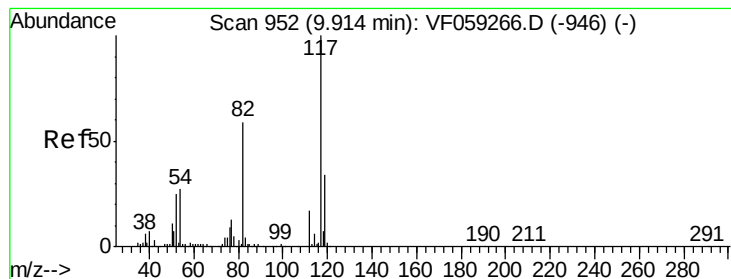


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

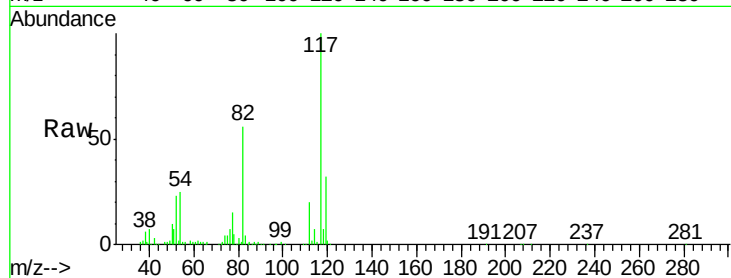
Tgt Ion:117 Resp: 375704

Ion Ratio Lower Upper

117 100

82 55.8 47.1 70.7

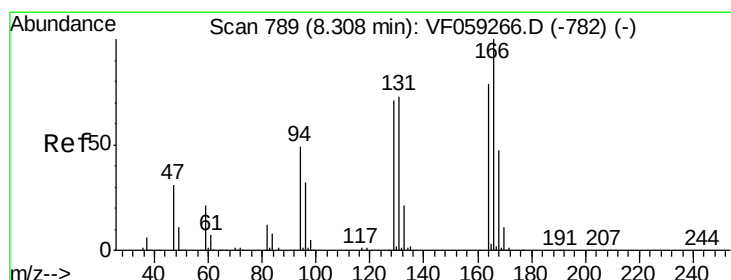
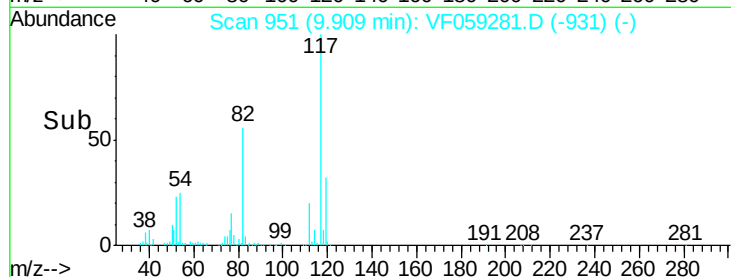
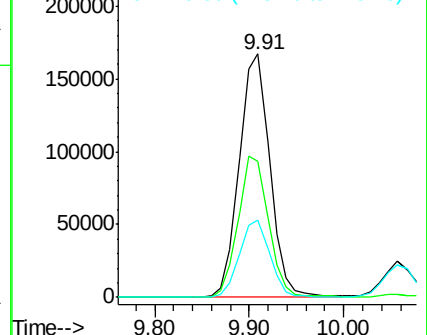
119 32.0 26.9 40.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 22.325 ug/l

RT: 8.29 min Scan# 787

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Tgt Ion:164 Resp: 64417

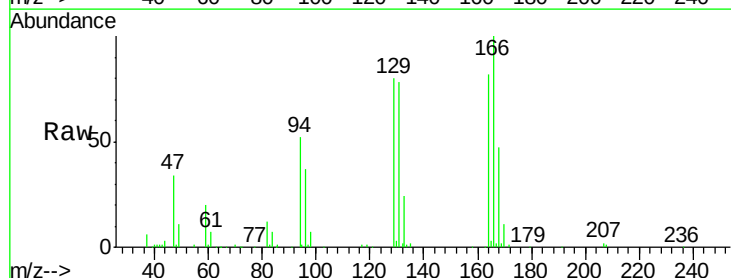
Ion Ratio Lower Upper

164 100

166 122.0 101.4 152.2

129 97.8 72.2 108.4

131 95.7 73.8 110.6

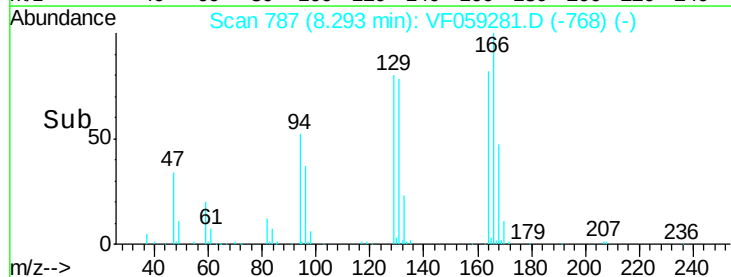
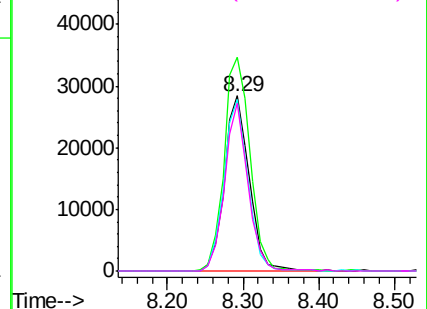


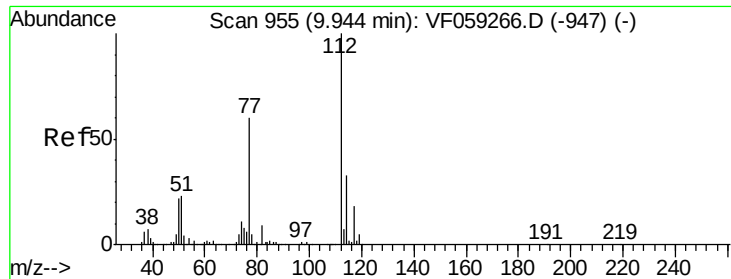
Abundance Ion 163.85 (163.55 to 164.55): V

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

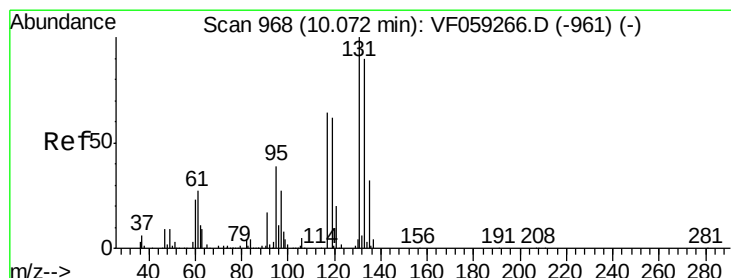
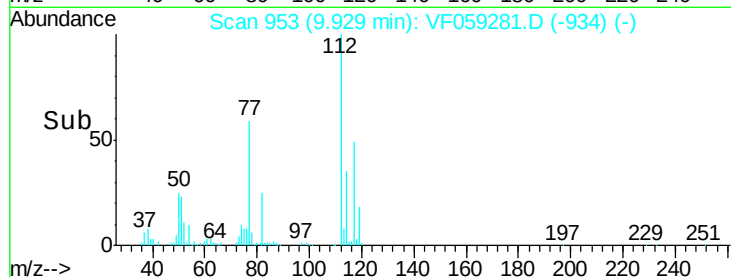
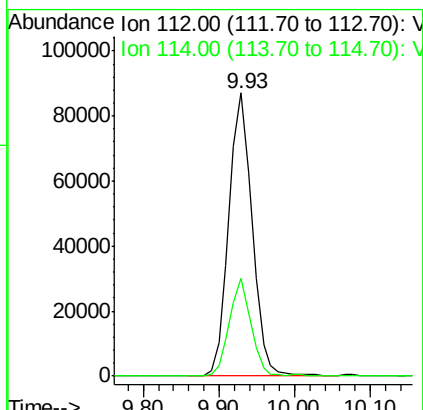
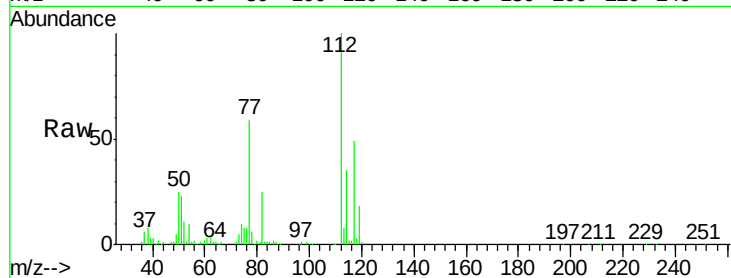




#65
Chlorobenzene
Concen: 23.322 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059281.D
Acq: 22 Jun 2018 18:42

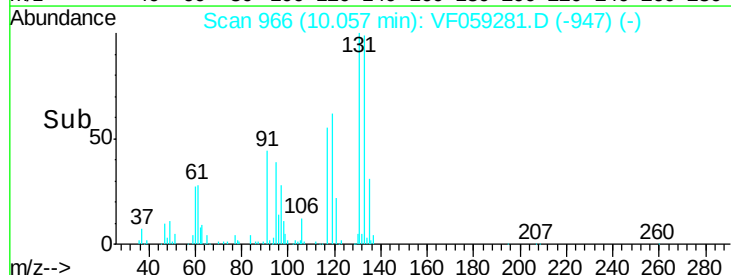
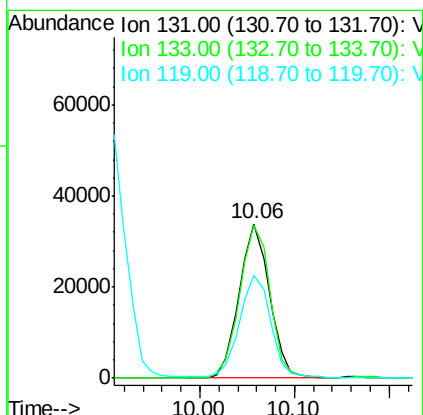
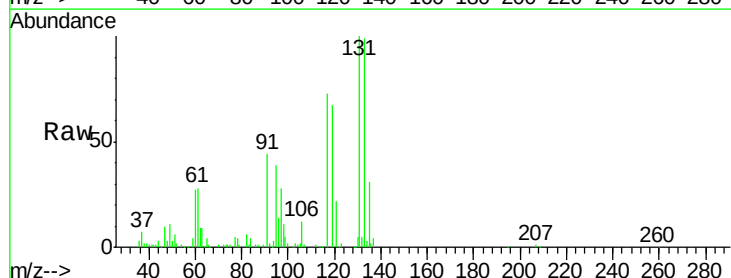
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBS01

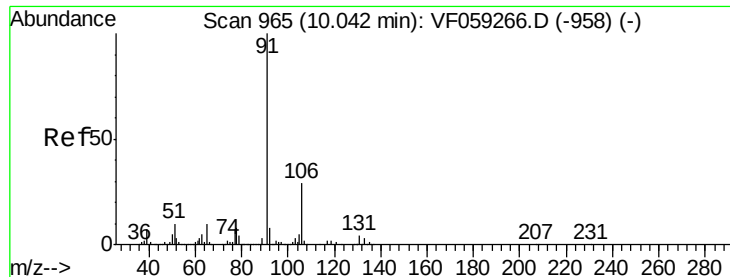
Tgt Ion:112 Resp: 186461
Ion Ratio Lower Upper
112 100
114 34.7 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 22.720 ug/l
RT: 10.06 min Scan# 966
Delta R.T. -0.01 min
Lab File: VF059281.D
Acq: 22 Jun 2018 18:42

Tgt Ion:131 Resp: 75671
Ion Ratio Lower Upper
131 100
133 98.9 45.1 135.2
119 66.8 31.2 93.6





#67

Ethyl Benzene

Concen: 22.735 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

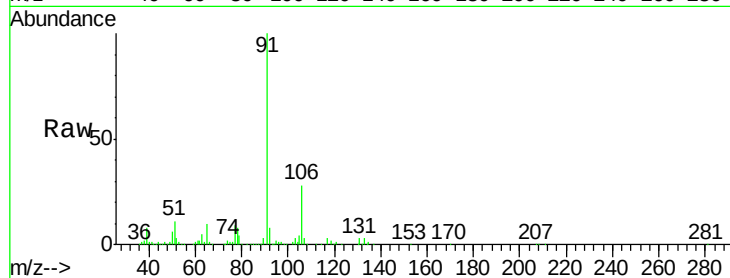
VF0622SBS01

Tgt Ion: 91 Resp: 308542

Ion Ratio Lower Upper

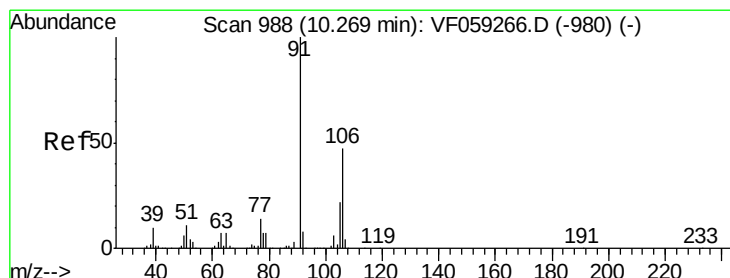
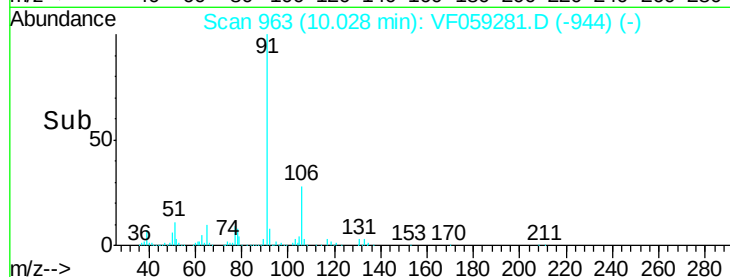
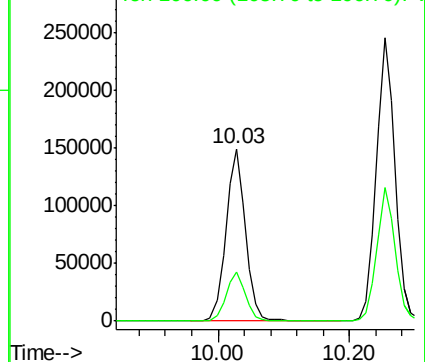
91 100

106 28.3 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: 46.998 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059281.D

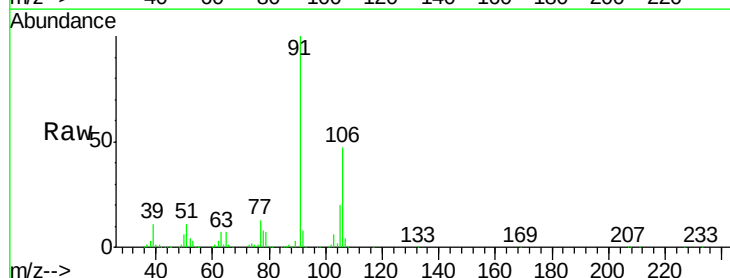
Acq: 22 Jun 2018 18:42

Tgt Ion: 106 Resp: 229274

Ion Ratio Lower Upper

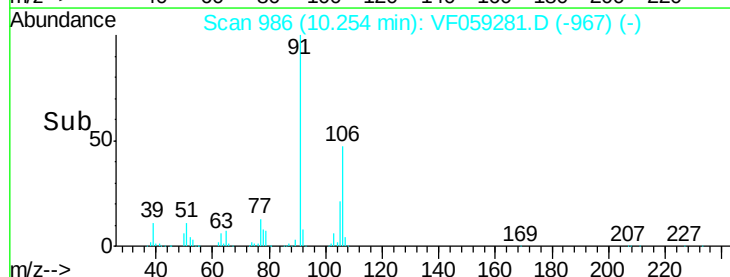
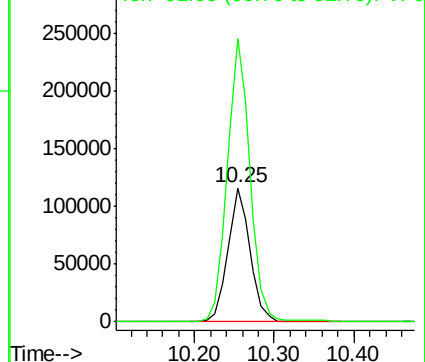
106 100

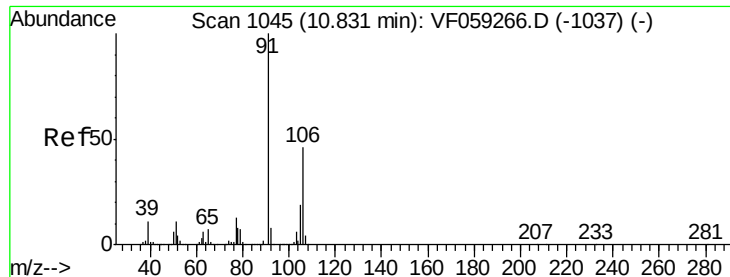
91 211.7 168.8 253.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

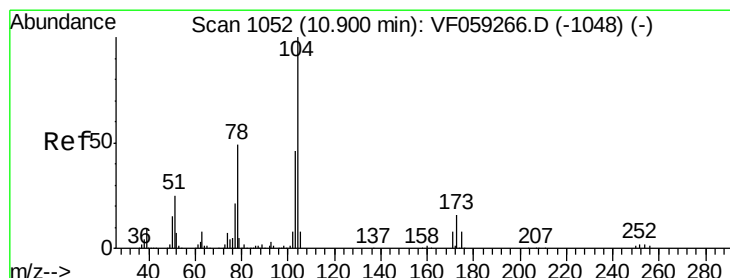
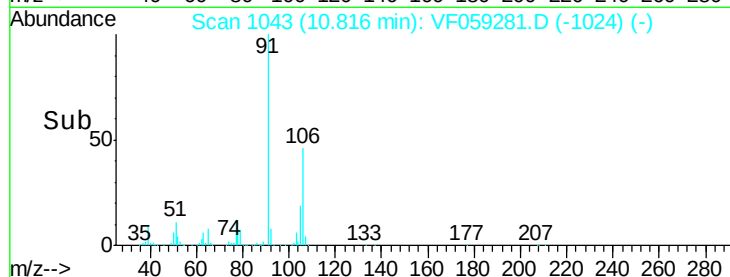
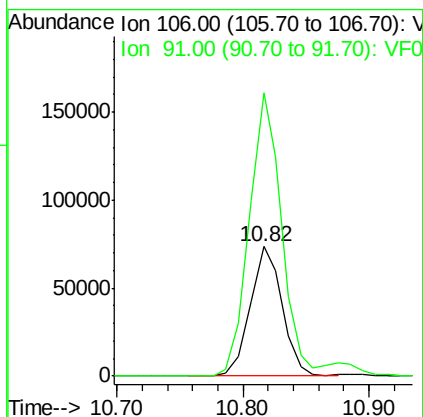
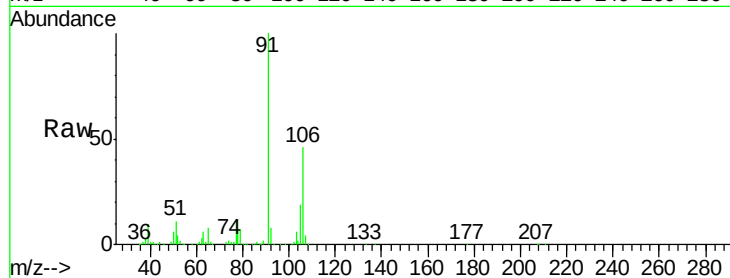




#69
o-Xylene
Concen: 24.025 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF059281.D
Acq: 22 Jun 2018 18:42

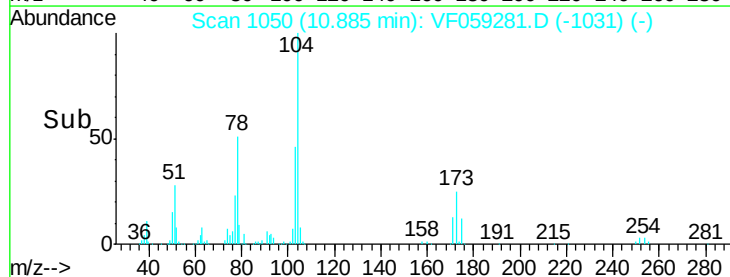
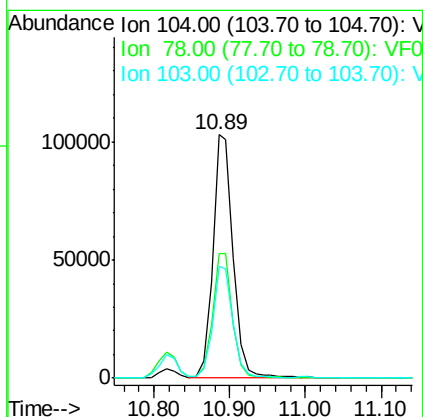
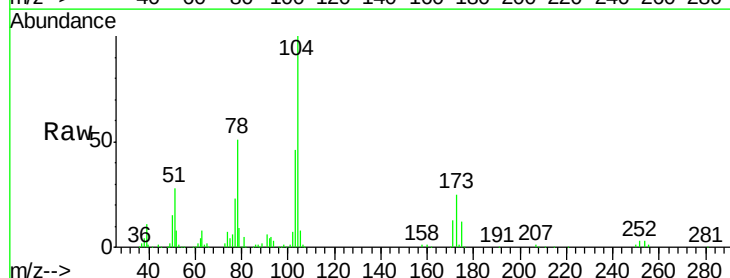
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBS01

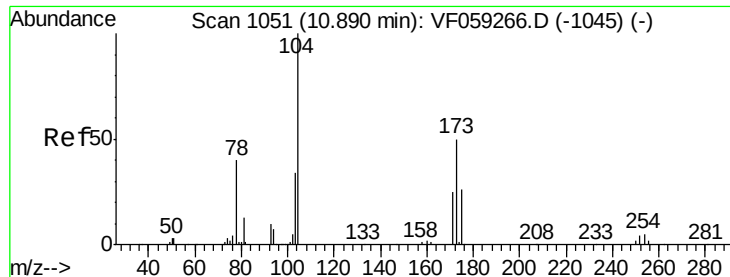
Tgt Ion:106 Resp: 129453
Ion Ratio Lower Upper
106 100
91 218.9 109.1 327.4



#70
Styrene
Concen: 23.771 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059281.D
Acq: 22 Jun 2018 18:42

Tgt Ion:104 Resp: 193103
Ion Ratio Lower Upper
104 100
78 51.0 39.3 58.9
103 45.8 36.6 55.0





#71

Bromoform

Concen: 23.273 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

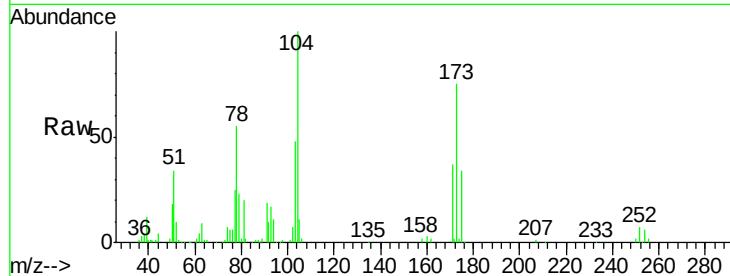
Tgt Ion:173 Resp: 55277

Ion Ratio Lower Upper

173 100

175 44.8 25.4 76.4

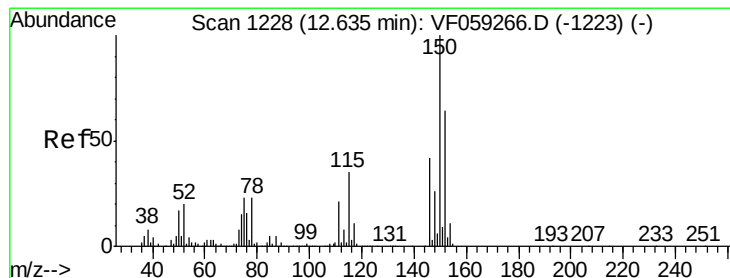
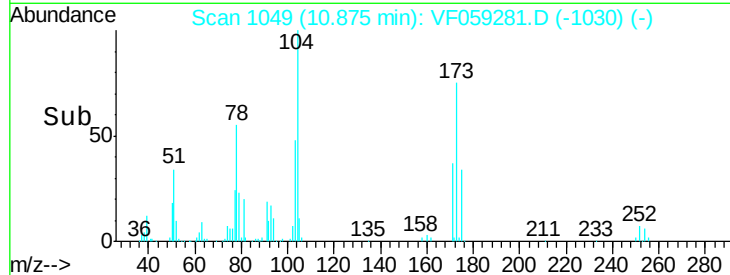
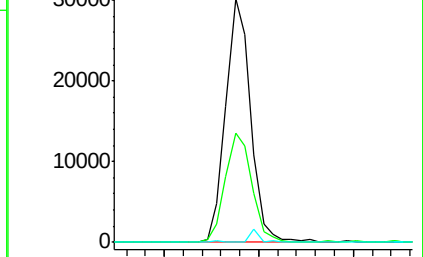
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

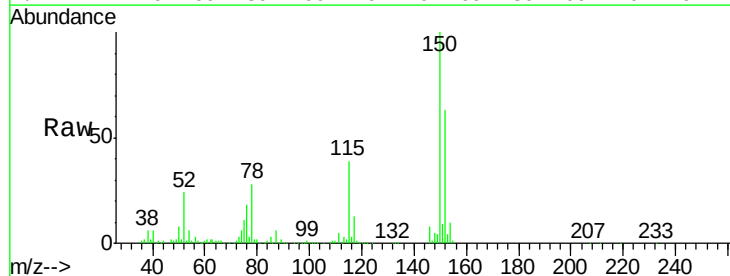
Tgt Ion:152 Resp: 233245

Ion Ratio Lower Upper

152 100

115 61.5 27.8 83.3

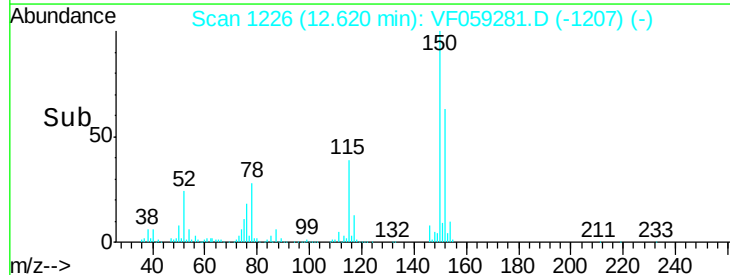
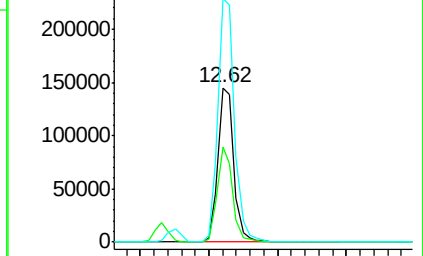
150 158.1 0.0 313.8

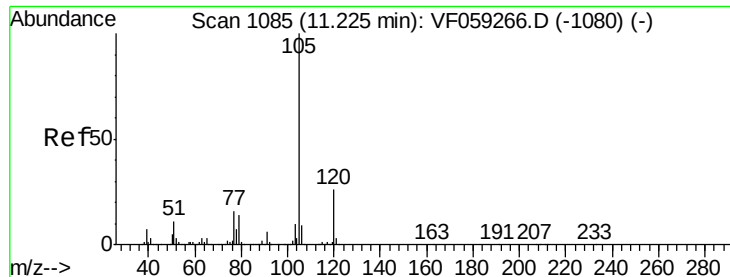


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.079 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

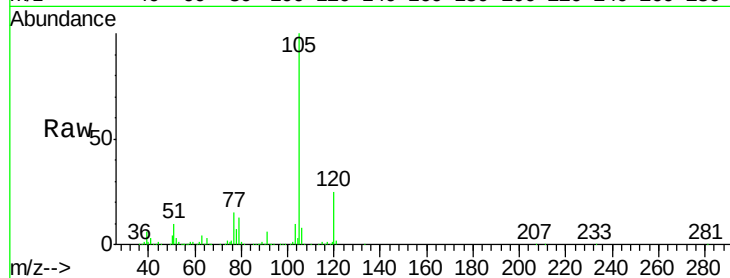
VF0622SBS01

Tgt Ion: 105 Resp: 370818

Ion Ratio Lower Upper

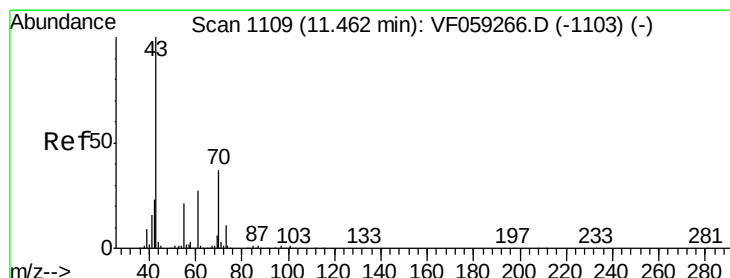
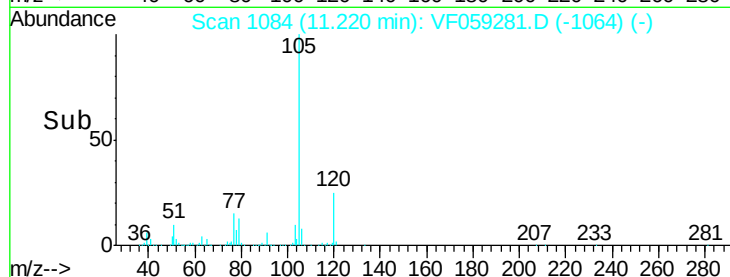
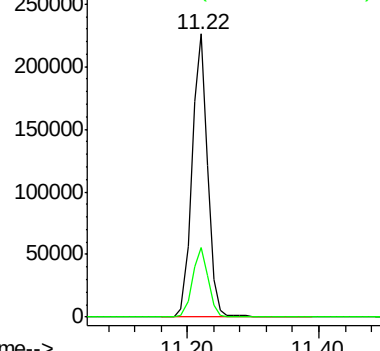
105 100

120 24.5 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: 25.105 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Tgt Ion: 43 Resp: 131707

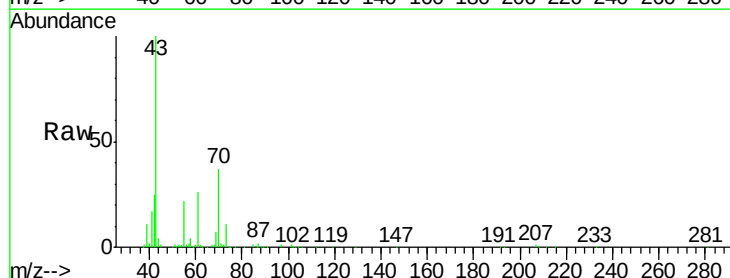
Ion Ratio Lower Upper

43 100

70 37.4 29.6 44.4

55 21.9 17.0 25.4

61 26.4 21.4 32.2

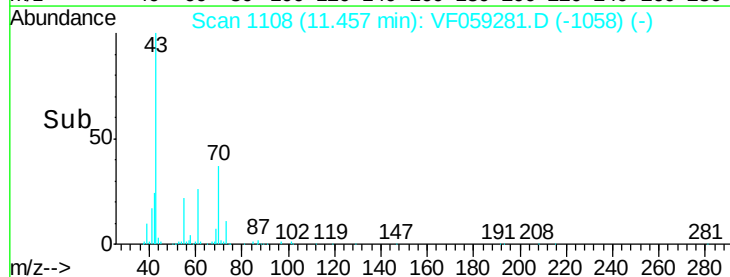
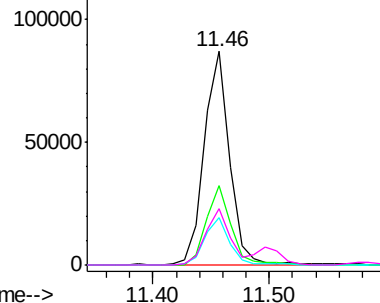


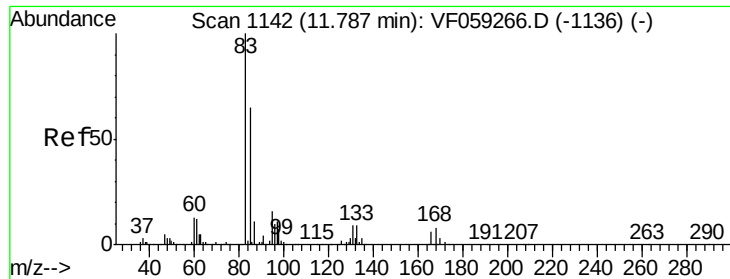
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 23.431 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

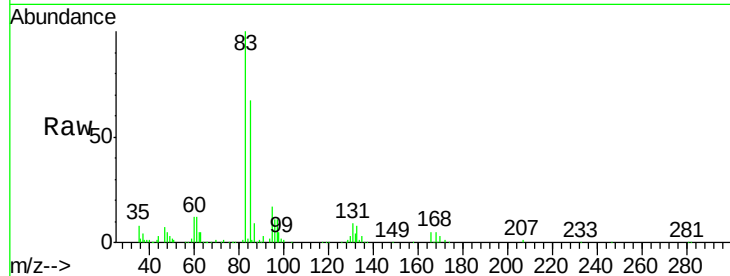
Tgt Ion: 83 Resp: 88333

Ion Ratio Lower Upper

83 100

131 9.0 4.8 14.3

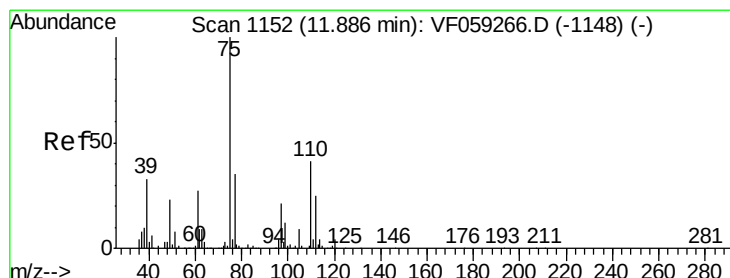
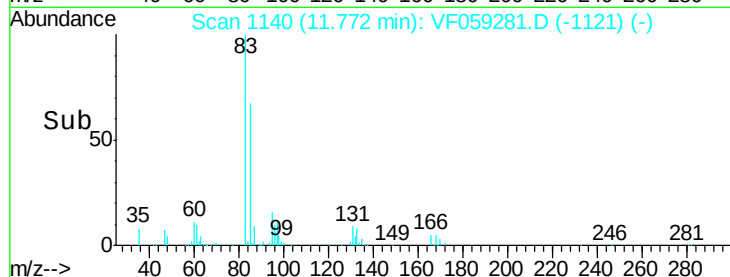
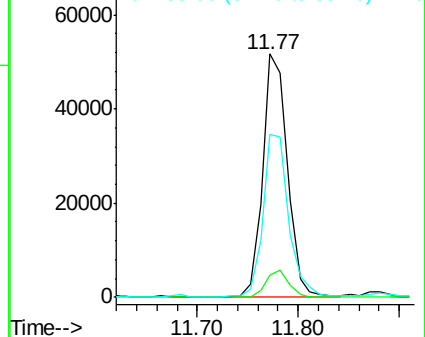
85 67.0 32.4 97.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 24.171 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059281.D

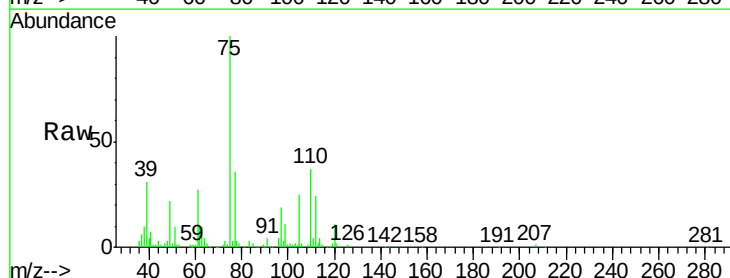
Acq: 22 Jun 2018 18:42

Tgt Ion: 75 Resp: 66721

Ion Ratio Lower Upper

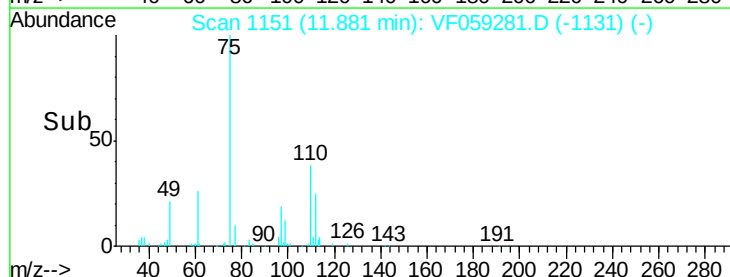
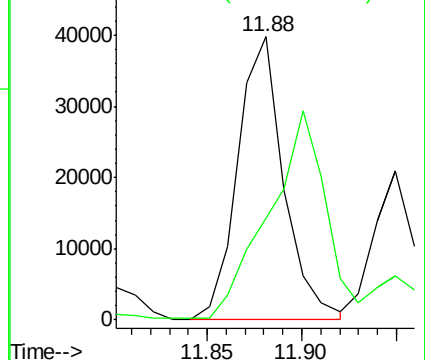
75 100

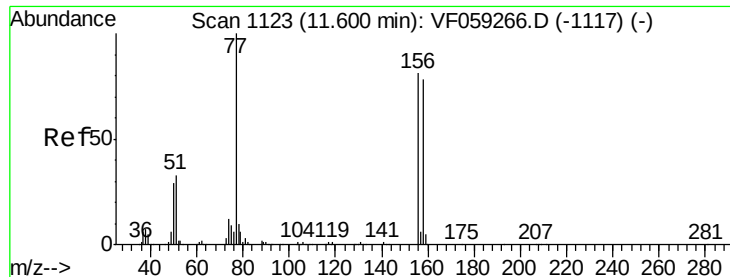
77 36.0 17.4 52.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.257 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

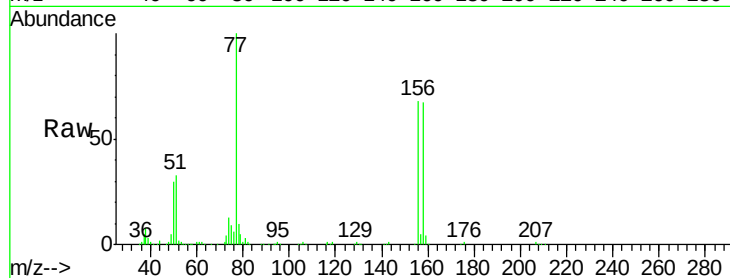
Tgt Ion:156 Resp: 92272

Ion Ratio Lower Upper

156 100

77 147.5 61.7 185.0

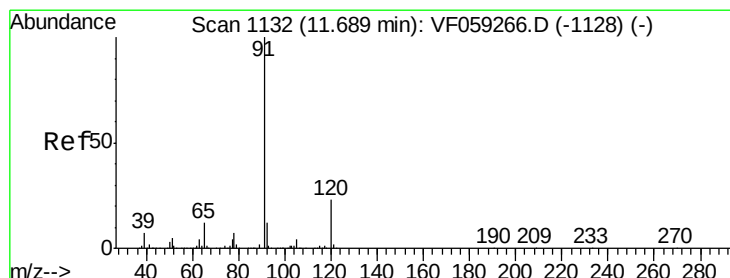
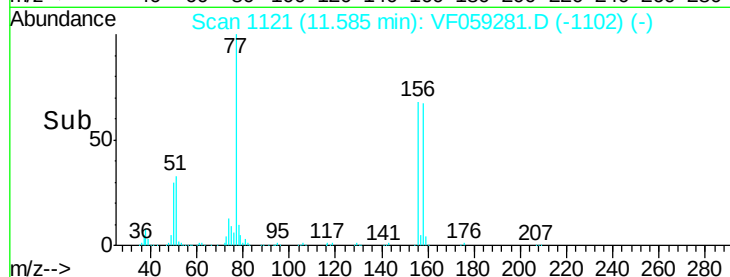
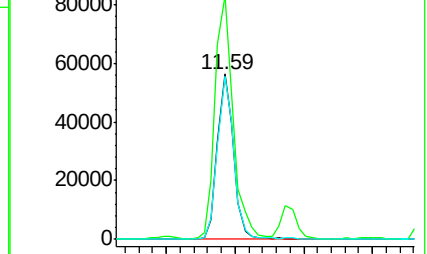
158 98.5 48.2 144.6



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: 23.206 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF059281.D

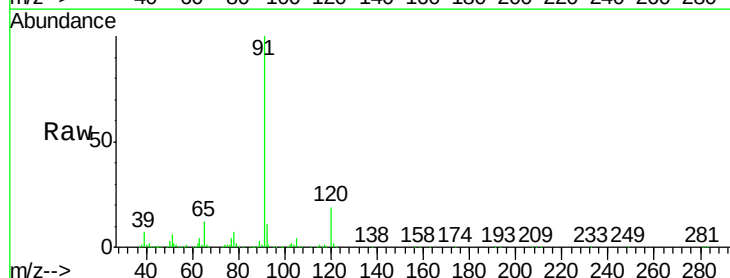
Acq: 22 Jun 2018 18:42

Tgt Ion: 91 Resp: 441153

Ion Ratio Lower Upper

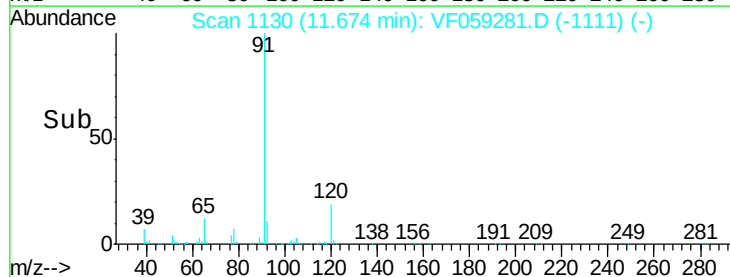
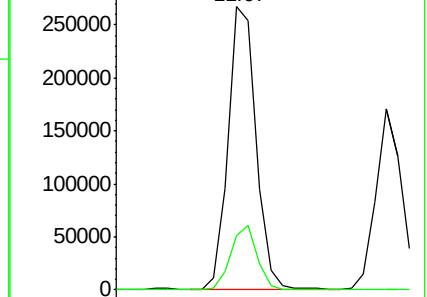
91 100

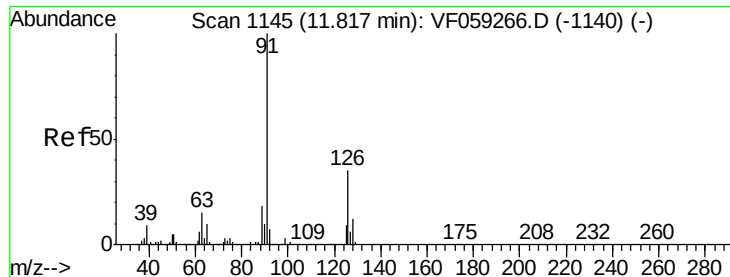
120 19.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.652 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

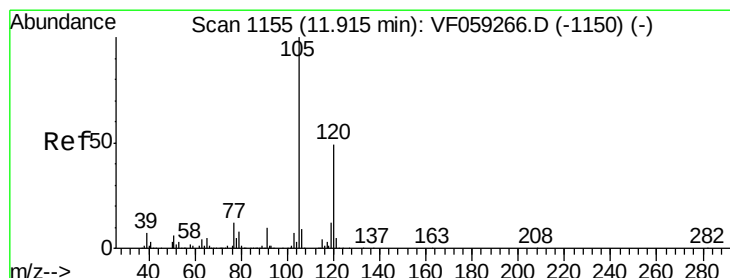
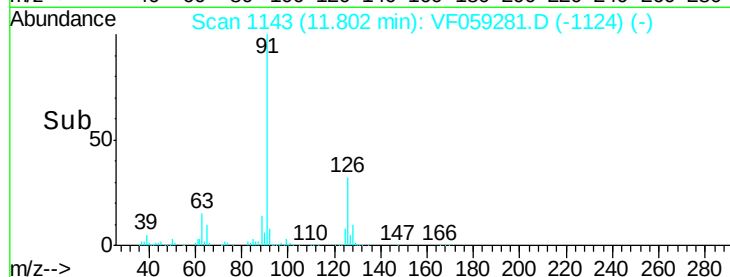
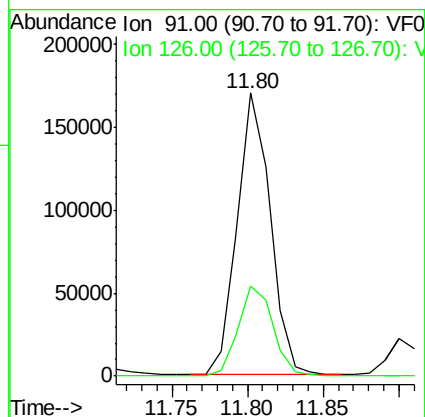
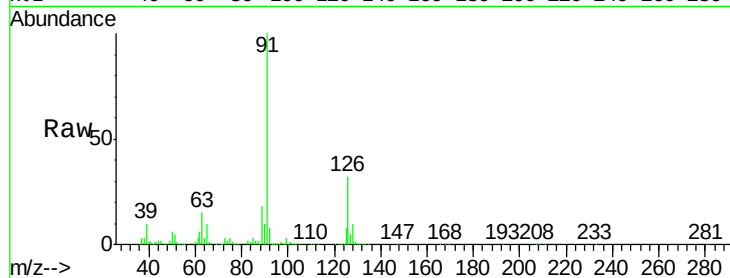
VF0622SBS01

Tgt Ion: 91 Resp: 258187

Ion Ratio Lower Upper

91 100

126 31.8 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 23.040 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059281.D

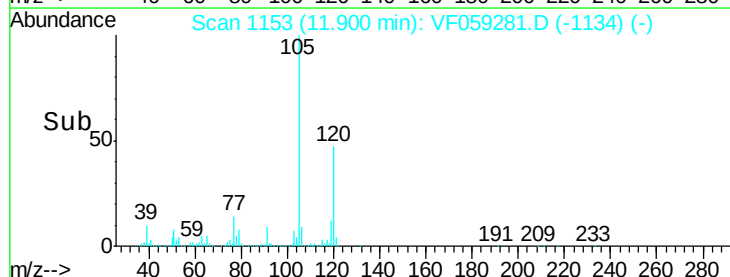
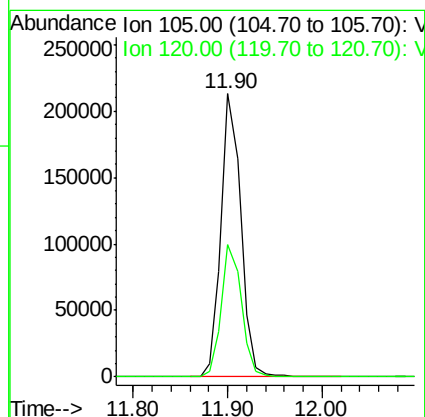
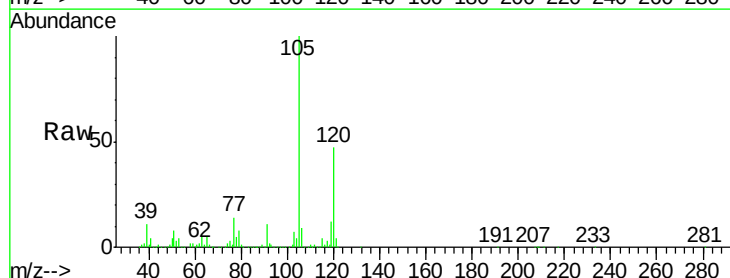
Acq: 22 Jun 2018 18:42

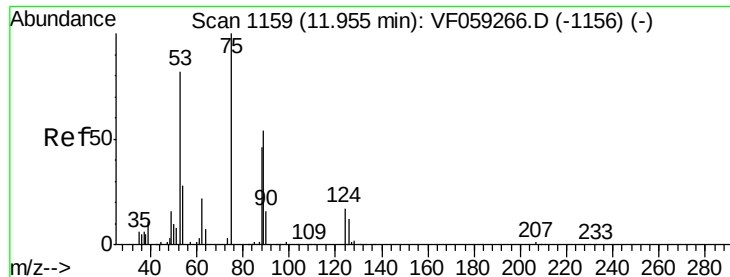
Tgt Ion: 105 Resp: 312985

Ion Ratio Lower Upper

105 100

120 46.9 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 22.951 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

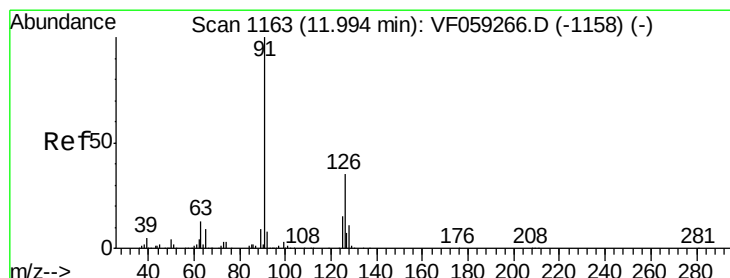
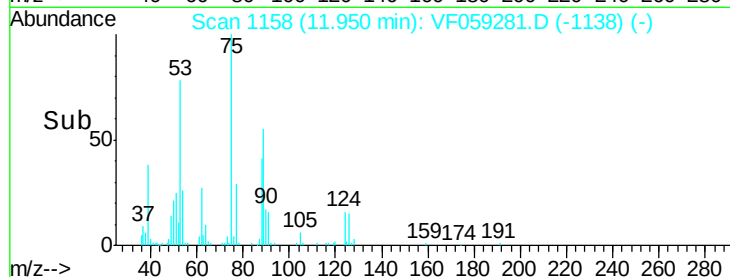
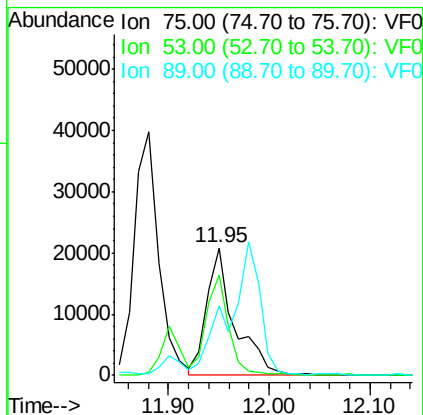
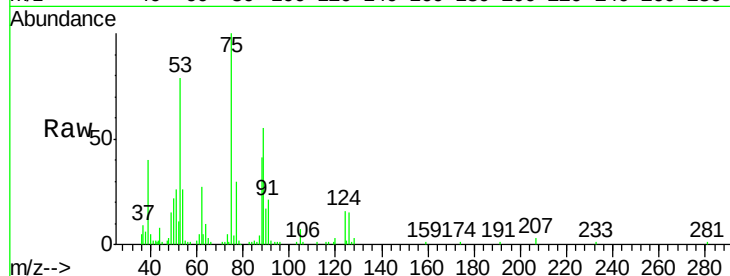
Tgt Ion: 75 Resp: 40571

Ion Ratio Lower Upper

75 100

53 78.7 70.2 105.2

89 54.5 45.3 67.9



#82

4-Chlorotoluene

Concen: 22.761 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF059281.D

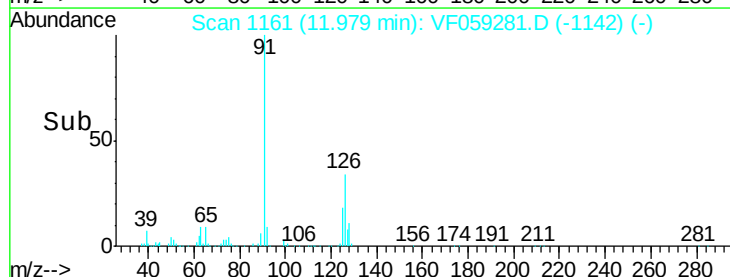
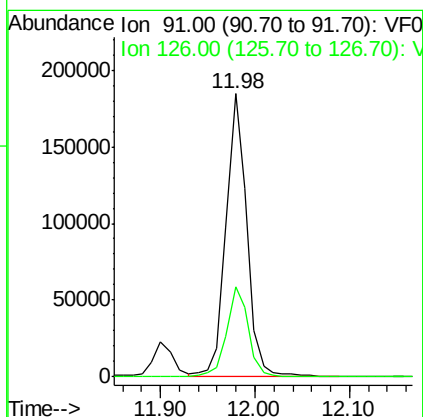
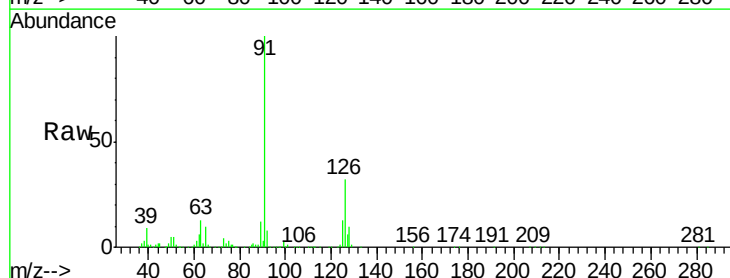
Acq: 22 Jun 2018 18:42

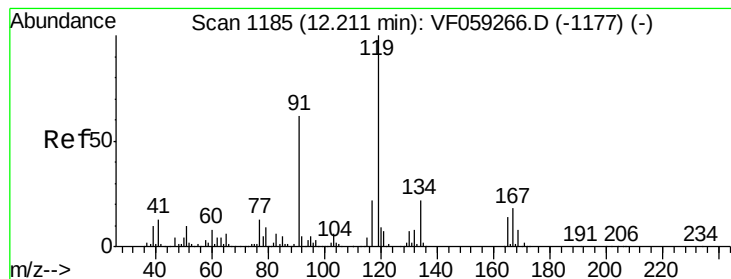
Tgt Ion: 91 Resp: 278652

Ion Ratio Lower Upper

91 100

126 31.7 17.6 52.8





#83

tert-Butylbenzene

Concen: 23.205 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

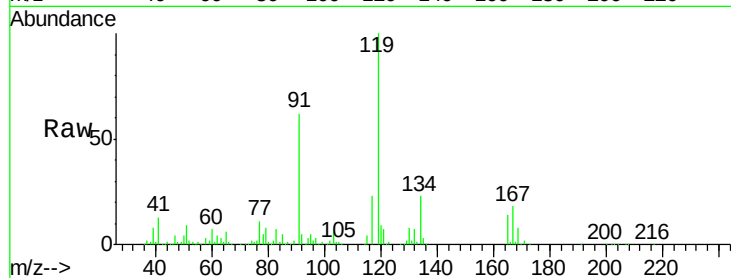
Tgt Ion:119 Resp: 319083

Ion Ratio Lower Upper

119 100

91 62.5 31.3 93.8

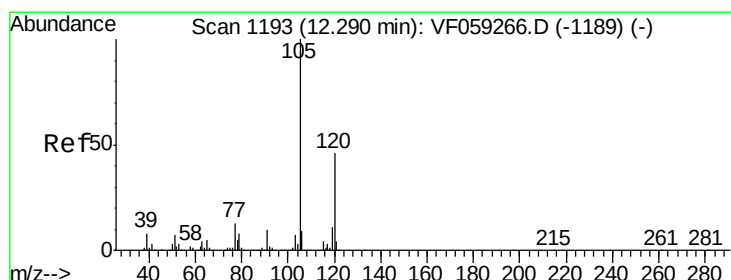
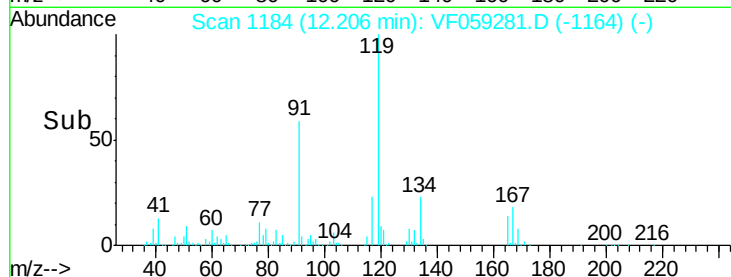
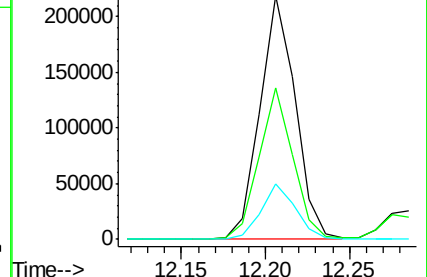
134 22.7 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.947 ug/l

RT: 12.28 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VF059281.D

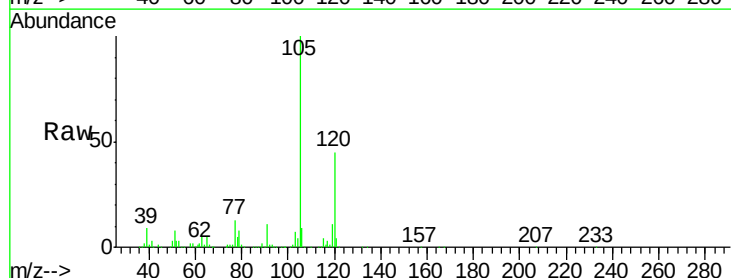
Acq: 22 Jun 2018 18:42

Tgt Ion:105 Resp: 328344

Ion Ratio Lower Upper

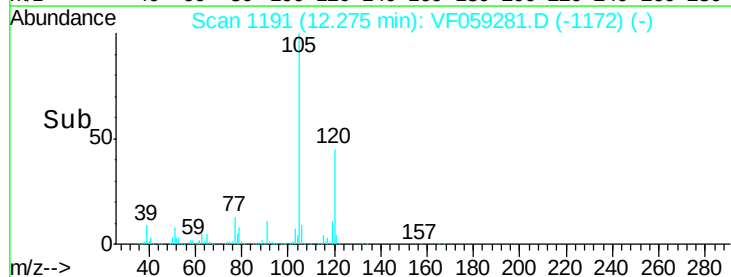
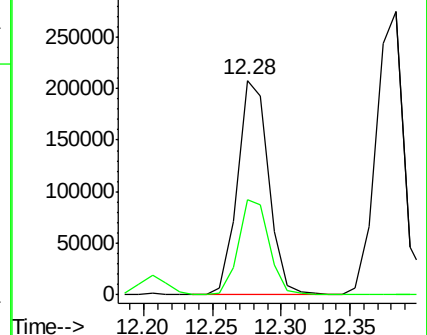
105 100

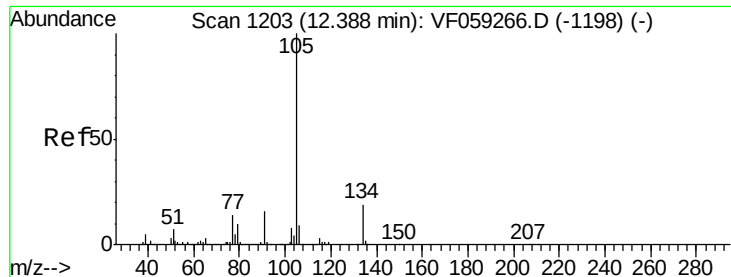
120 44.5 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.455 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

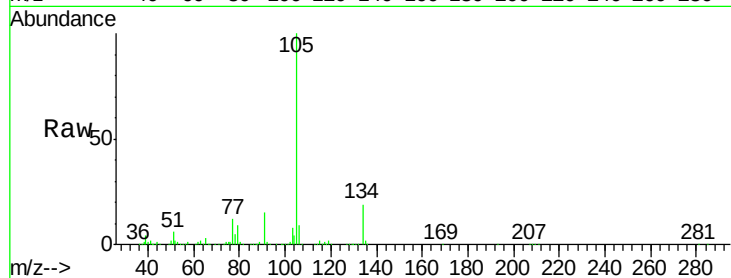
VF0622SBS01

Tgt Ion:105 Resp: 393673

Ion Ratio Lower Upper

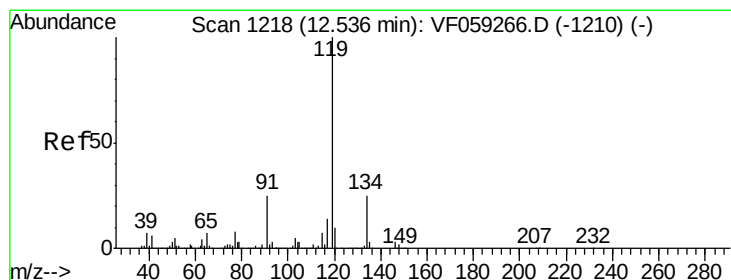
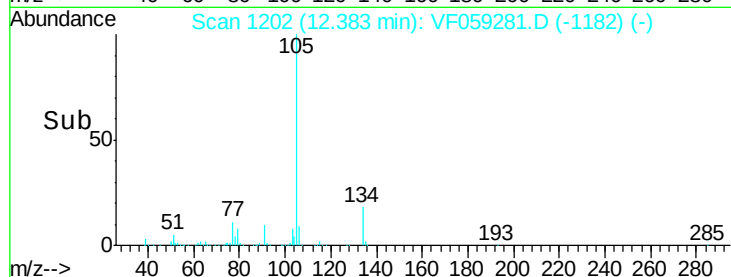
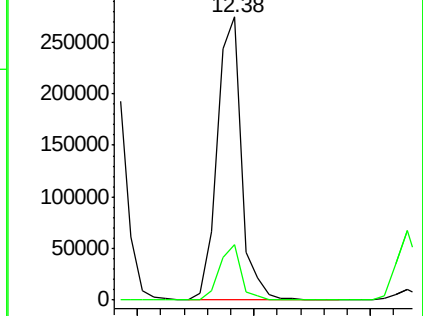
105 100

134 19.5 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 24.339 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

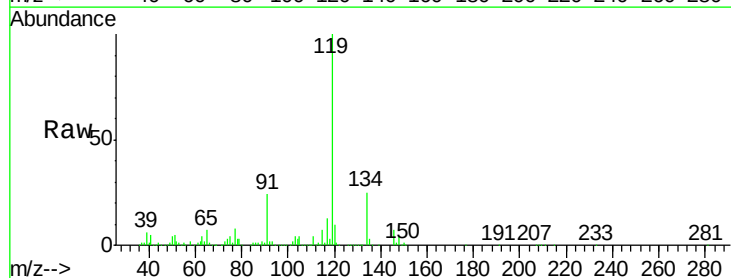
Tgt Ion:119 Resp: 368224

Ion Ratio Lower Upper

119 100

134 24.7 12.6 37.8

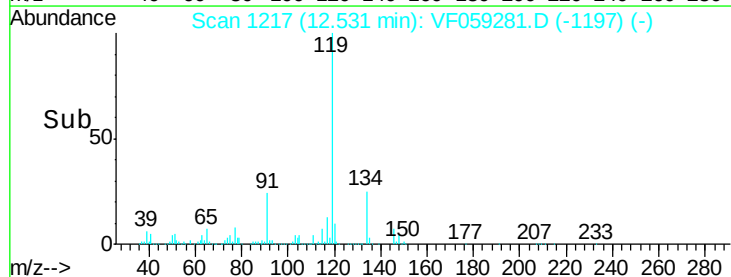
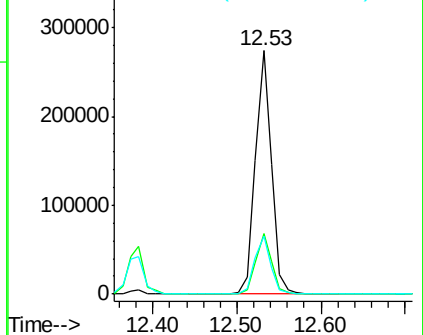
91 23.7 12.6 37.8

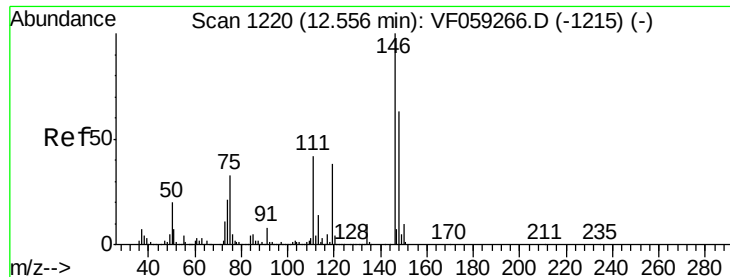


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

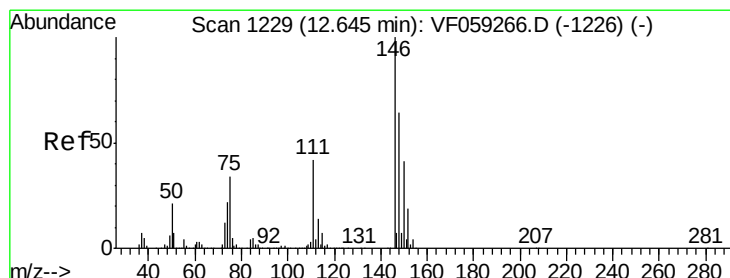
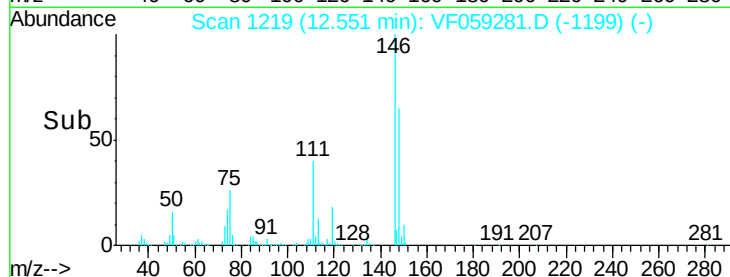
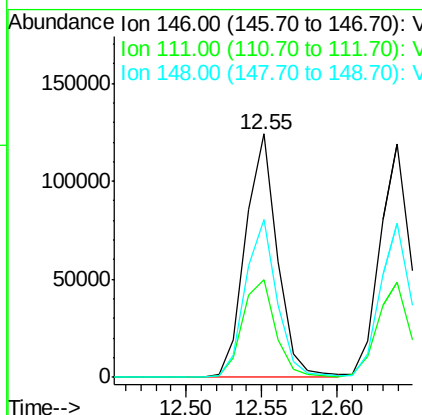
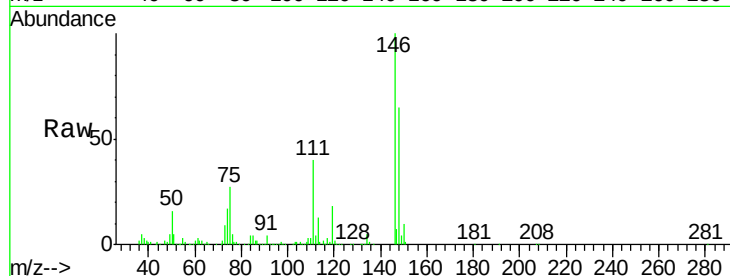




#87
 1,3-Dichlorobenzene
 Concen: 23.498 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059281.D
 Acq: 22 Jun 2018 18:42

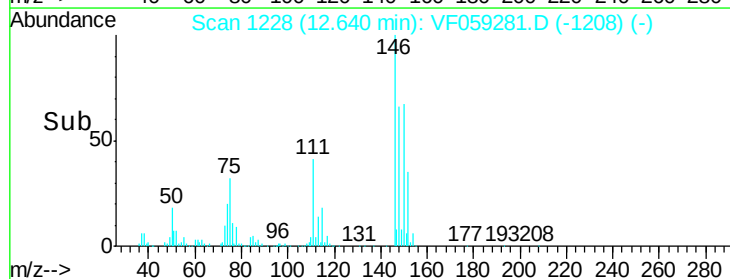
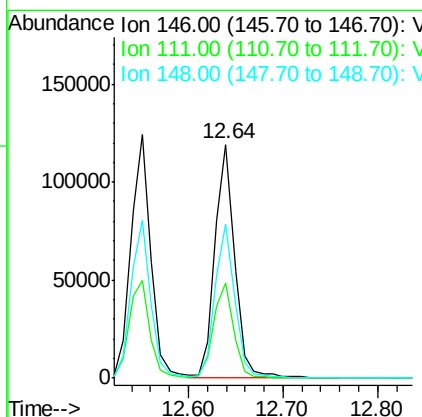
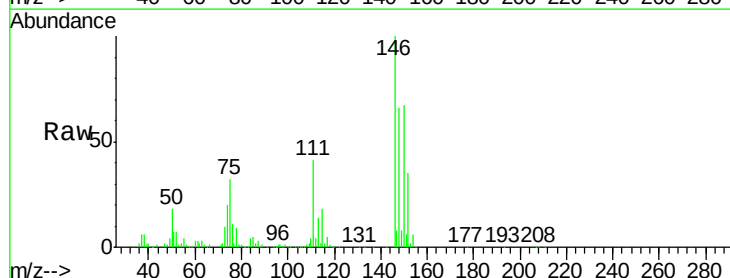
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBS01

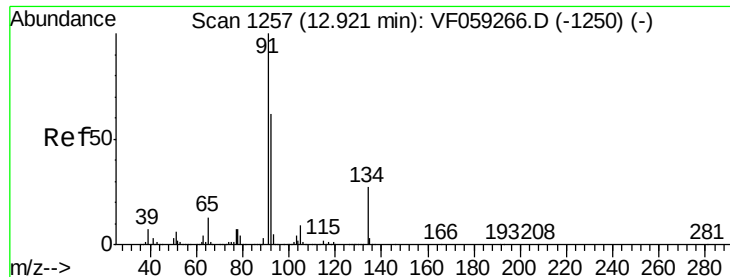
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.0	63.0
148	64.7	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 22.607 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059281.D
 Acq: 22 Jun 2018 18:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.3	63.9
148	65.8	32.0	96.2





#89

n-Butylbenzene

Concen: 23.898 ug/l

RT: 12.92 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

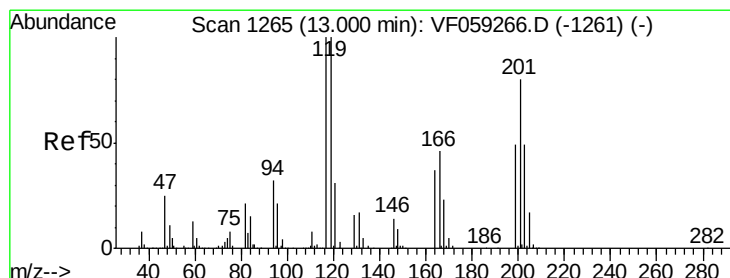
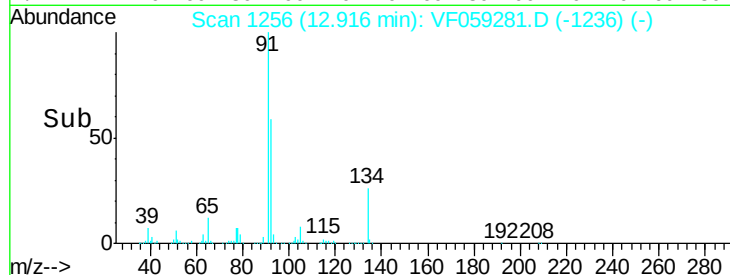
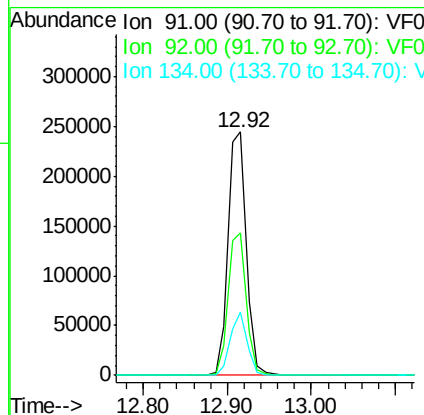
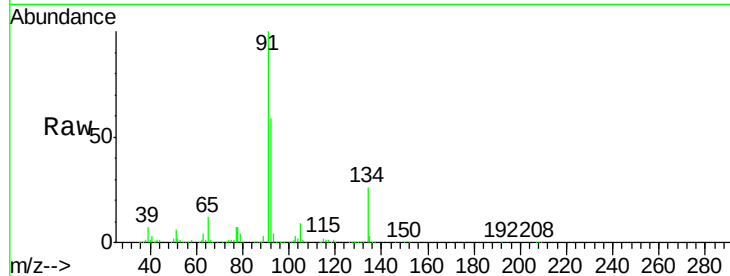
Tgt Ion: 91 Resp: 368173

Ion Ratio Lower Upper

91 100

92 58.5 31.2 93.6

134 26.0 13.4 40.1



#90

Hexachloroethane

Concen: 23.291 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF059281.D

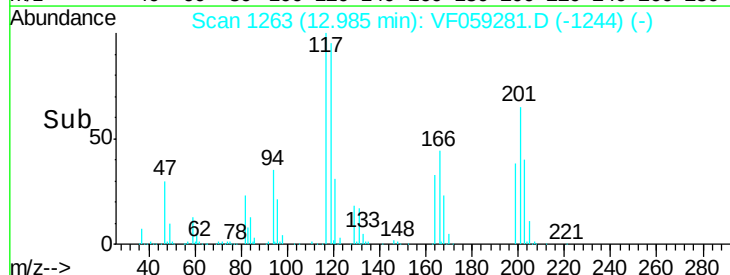
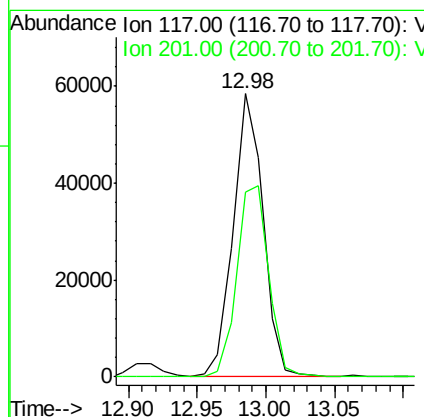
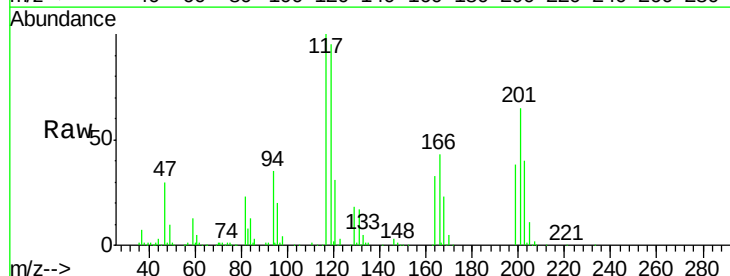
Acq: 22 Jun 2018 18:42

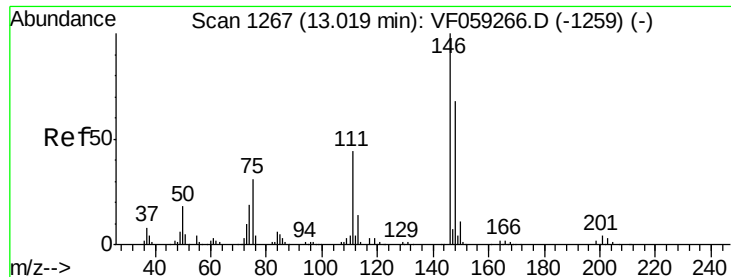
Tgt Ion: 117 Resp: 88084

Ion Ratio Lower Upper

117 100

201 65.1 39.8 119.3

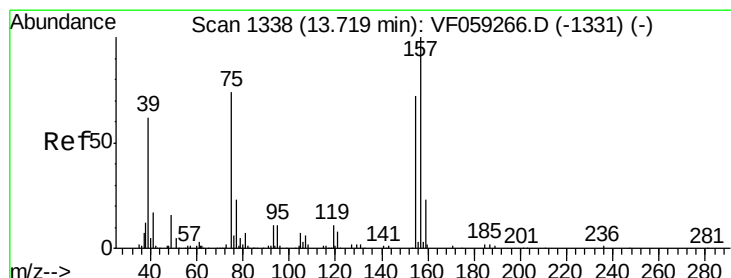
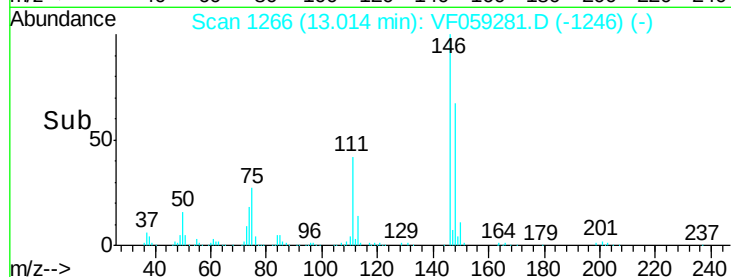
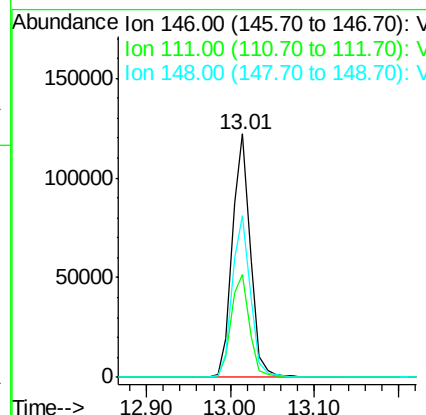
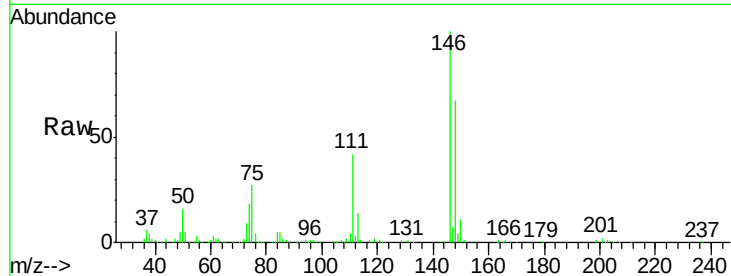




#91
 1,2-Dichlorobenzene
 Concen: 23.449 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VF059281.D
 Acq: 22 Jun 2018 18:42

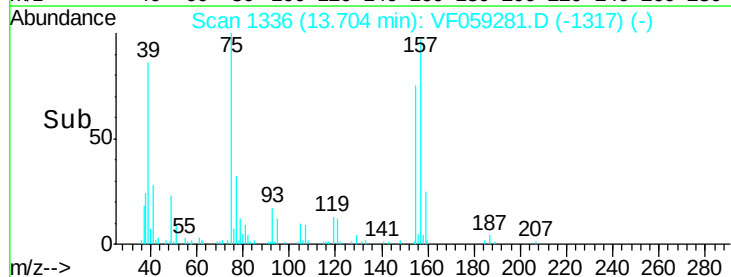
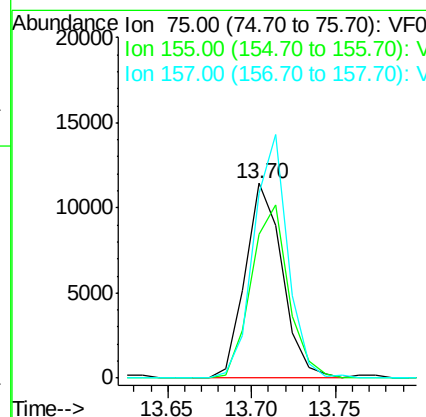
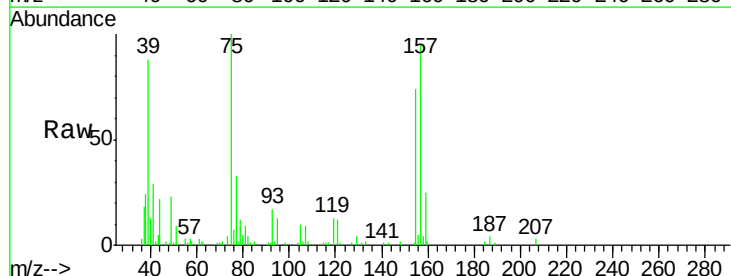
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBS01

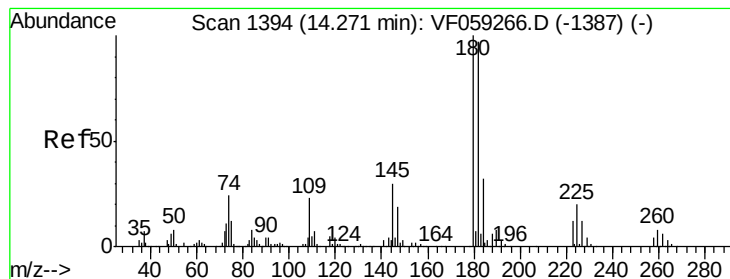
Tgt Ion: 146 Resp: 181009
 Ion Ratio Lower Upper
 146 100
 111 42.4 22.1 66.3
 148 66.6 34.0 102.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.508 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VF059281.D
 Acq: 22 Jun 2018 18:42

Tgt Ion: 75 Resp: 17510
 Ion Ratio Lower Upper
 75 100
 155 73.9 48.3 144.9
 157 95.2 67.2 201.6





#93

1,2,4-Trichlorobenzene

Concen: 24.053 ug/l

RT: 14.26 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

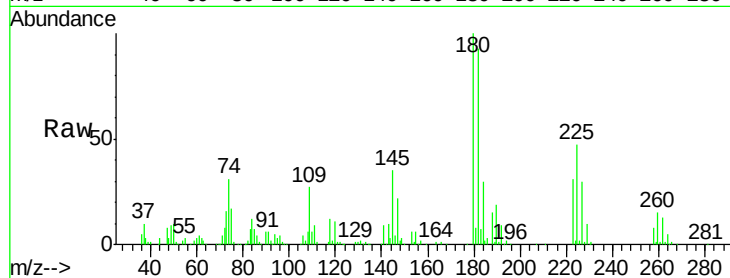
Tgt Ion:180 Resp: 135615

Ion Ratio Lower Upper

180 100

182 93.3 48.6 145.9

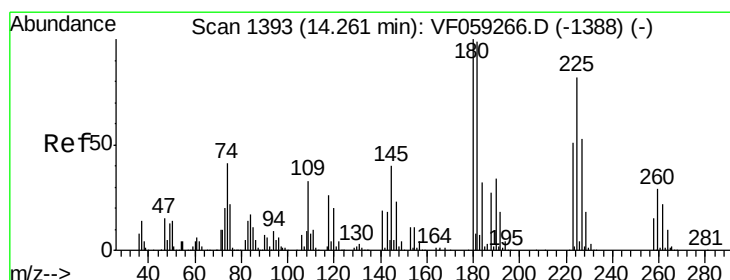
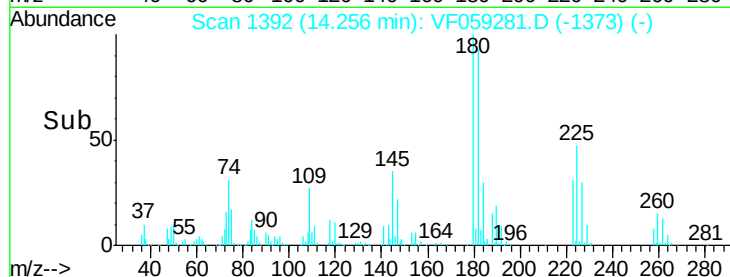
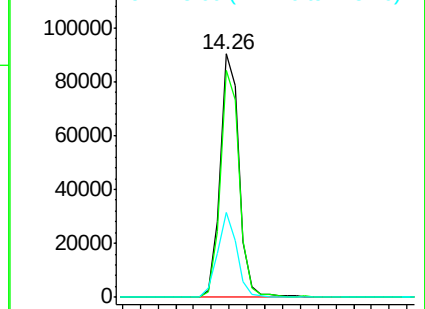
145 35.1 15.0 45.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 23.120 ug/l

RT: 14.25 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

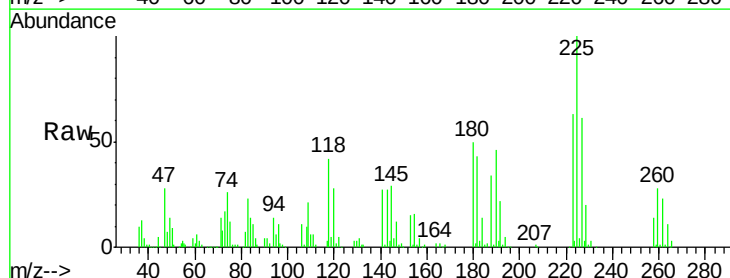
Tgt Ion:225 Resp: 77260

Ion Ratio Lower Upper

225 100

223 62.6 30.7 92.1

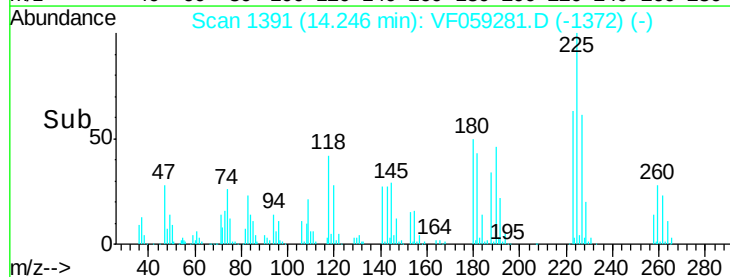
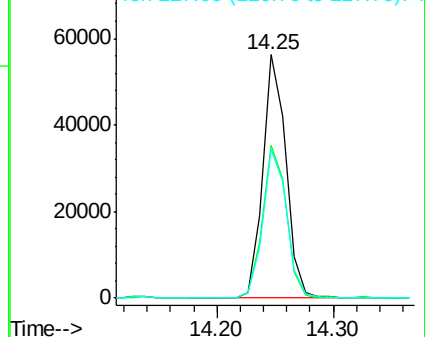
227 61.2 32.0 96.2

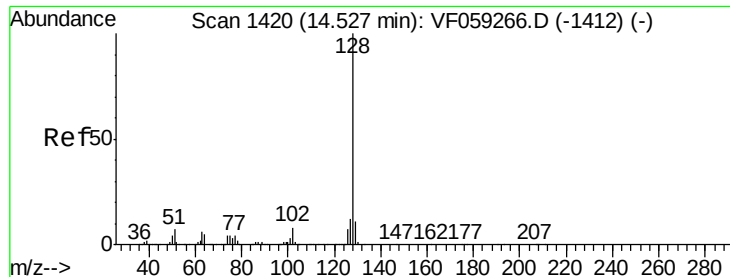


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

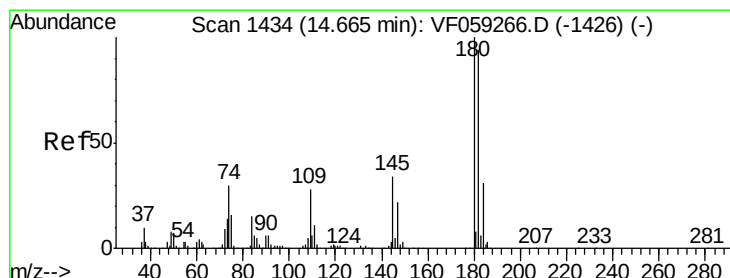
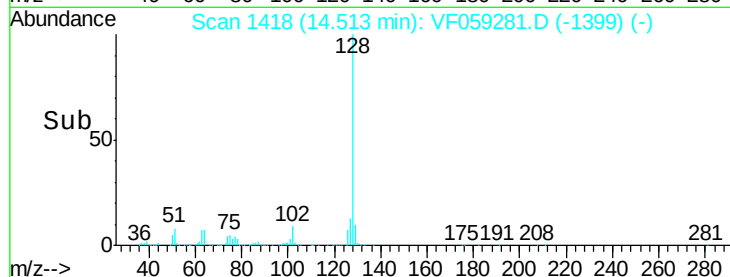
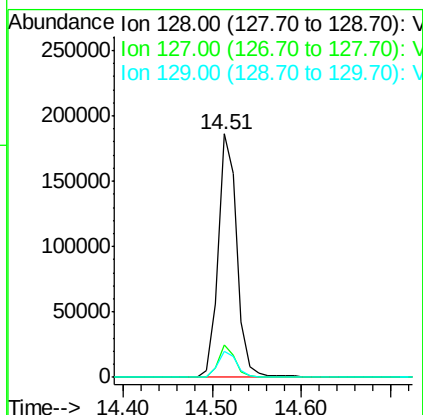
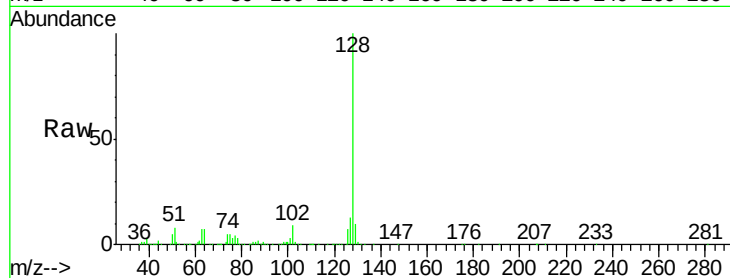




#95
Naphthalene
Concen: 23.751 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF059281.D
Acq: 22 Jun 2018 18:42

Instrument :
MSVOA_F
ClientSampleId :
VF0622SBS01

Tgt Ion:128 Resp: 274985
Ion Ratio Lower Upper
128 100
127 13.3 9.6 14.4
129 10.5 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 23.294 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VF059281.D
Acq: 22 Jun 2018 18:42

Tgt Ion:180 Resp: 123582
Ion Ratio Lower Upper
180 100
182 93.6 46.9 140.7
145 34.0 17.0 50.9

