

Data File : VF057686.D

Acq On : 9 May 2018 17:30

Operator : JC/SY

Sample : VSTDICV050

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

ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 10 02:35:17 2018

Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F050918S.M

Quant Title : SW846 8260

QLast Update : Thu May 10 02:30:18 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	311501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	490426	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.88	117	468106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	258387	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	182922	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	4.26	113	174919	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	7.67	98	570142	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	11.48	95	281143	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	179144	55.59	ug/l	98
3) Chloromethane	1.08	50	143116	55.19	ug/l	96
4) Vinyl Chloride	1.14	62	101966	49.86	ug/l	99
5) Bromomethane	1.33	94	55745	47.86	ug/l	96
6) Chloroethane	1.42	64	40278	53.45	ug/l	96
7) Trichlorofluoromethane	1.47	101	44114	14.57	ug/l	92
8) Diethyl Ether	1.68	74	39612	49.86	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.89	101	91818	54.37	ug/l	96
10) Methyl Iodide	1.95	142	163935	50.06	ug/l	99
11) Tert butyl alcohol	2.67	59	50589	254.88	ug/l	95
12) 1,1-Dichloroethene	1.84	96	86371	51.82	ug/l	92
13) Acrolein	2.07	56	27202	270.95	ug/l	90
14) Allyl chloride	2.17	41	160239	53.83	ug/l	96
15) Acrylonitrile	3.04	53	95179	243.27	ug/l	94
16) Acetone	2.32	43	231705	292.70	ug/l	98
17) Carbon Disulfide	1.87	76	163544	38.38	ug/l	99
18) Methyl Acetate	2.42	43	69255	48.03	ug/l	95
19) Methyl tert-butyl Ether	2.51	73	265427	51.30	ug/l	97
20) Methylene Chloride	2.26	84	31772	19.26	ug/l	99
21) trans-1,2-Dichloroethene	2.39	96	85674	49.63	ug/l	94
22) Diisopropyl ether	2.90	45	326427	48.66	ug/l	98
23) Vinyl Acetate	3.30	43	1284757	265.97	ug/l	97
24) 1,1-Dichloroethane	2.97	63	187195	48.35	ug/l	99
25) 2-Butanone	4.47	43	366724	273.70	ug/l	98
26) 2,2-Dichloropropane	3.72	77	143840	48.84	ug/l	99
27) cis-1,2-Dichloroethene	3.60	96	157261	49.45	ug/l	97
28) Bromochloromethane	3.85	49	115546	51.79	ug/l	# 87
29) Tetrahydrofuran	4.22	42	150442	262.51	ug/l	98
30) Chloroform	4.00	83	306404	49.26	ug/l	99
31) Cyclohexane	3.82	56	204625	51.96	ug/l	96
32) 1,1,1-Trichloroethane	4.24	97	201206	47.37	ug/l	95
36) 1,1-Dichloropropene	4.41	75	220798	50.50	ug/l	99
37) Ethyl Acetate	4.26	43	154458	55.22	ug/l	87
38) Carbon Tetrachloride	4.13	117	252221	54.29	ug/l	97

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Quant Title : SW846 8260

QLast Update : Thu May 10 02:30:18 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	250043	54.28	ug/l	96
40) Benzene	4.77	78	543661	51.05	ug/l	99
41) Methacrylonitrile	4.89	41	72550	49.11	ug/l	97
42) 1,2-Dichloroethane	5.08	62	218843	48.72	ug/l	99
43) Isopropyl Acetate	7.08	43	213633	51.65	ug/l #	98
44) Trichloroethene	5.64	130	170381	50.97	ug/l	96
45) 1,2-Dichloropropane	6.37	63	154690	50.64	ug/l	97
46) Dibromomethane	6.22	93	118207	50.35	ug/l	93
47) Bromodichloromethane	6.51	83	258147	49.24	ug/l	100
48) Methyl methacrylate	6.84	41	140169	51.39	ug/l	98
49) 1,4-Dioxane	6.83	88	21305	1132.15	ug/l #	77
51) 4-Methyl-2-Pentanone	8.37	43	713749	281.79	ug/l	97
52) Toluene	7.75	92	387176	50.55	ug/l	100
53) t-1,3-Dichloropropene	8.39	75	258973	49.20	ug/l	100
54) cis-1,3-Dichloropropene	7.42	75	295745	51.08	ug/l	95
55) 1,1,2-Trichloroethane	8.60	97	145480	50.21	ug/l	96
56) Ethyl methacrylate	8.72	69	199135	49.72	ug/l	97
57) 1,3-Dichloropropane	8.96	76	245603	49.02	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.74	63	59666	106.82	ug/l	100
59) 2-Hexanone	9.59	43	613723	287.70	ug/l	99
60) Dibromochloromethane	8.82	129	209912	48.27	ug/l	94
61) 1,2-Dibromoethane	9.10	107	169955	49.93	ug/l	98
64) Tetrachloroethene	8.27	164	169567	54.60	ug/l	95
65) Chlorobenzene	9.91	112	470752	53.09	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.03	131	172044	48.37	ug/l	97
67) Ethyl Benzene	10.00	91	796133	51.52	ug/l	99
68) m/p-Xylenes	10.23	106	568202	102.17	ug/l	99
69) o-Xylene	10.79	106	317571	51.38	ug/l	97
70) Styrene	10.87	104	490425	50.53	ug/l	99
71) Bromoform	10.85	173	139922	50.70	ug/l #	95
73) Isopropylbenzene	11.20	105	889421	54.79	ug/l	98
74) N-amyl acetate	11.43	43	376613	59.62	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	212754	51.06	ug/l	96
76) 1,2,3-Trichloropropane	11.86	75	159259	52.43	ug/l	96
77) Bromobenzene	11.56	156	235242	54.24	ug/l	91
78) n-propylbenzene	11.66	91	1078110	54.07	ug/l	96
79) 2-Chlorotoluene	11.78	91	622466	52.59	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	749746	53.27	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.93	75	114104	56.74	ug/l	92
82) 4-Chlorotoluene	11.96	91	681093	52.71	ug/l	99
83) tert-Butylbenzene	12.18	119	749681	53.53	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	762702	52.86	ug/l	97
85) sec-Butylbenzene	12.36	105	994243	54.03	ug/l	97
86) p-Isopropyltoluene	12.51	119	859030	53.96	ug/l	97
87) 1,3-Dichlorobenzene	12.53	146	433672	52.99	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	430747	54.49	ug/l	96
89) n-Butylbenzene	12.89	91	847914	62.23	ug/l	98
90) Hexachloroethane	12.96	117	202524	52.85	ug/l	83
91) 1,2-Dichlorobenzene	12.99	146	404068	53.76	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.68	75	44206	52.71	ug/l	91

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF050918\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
QLast Update : Thu May 10 02:30:18 2018
Response via : Initial Calibration

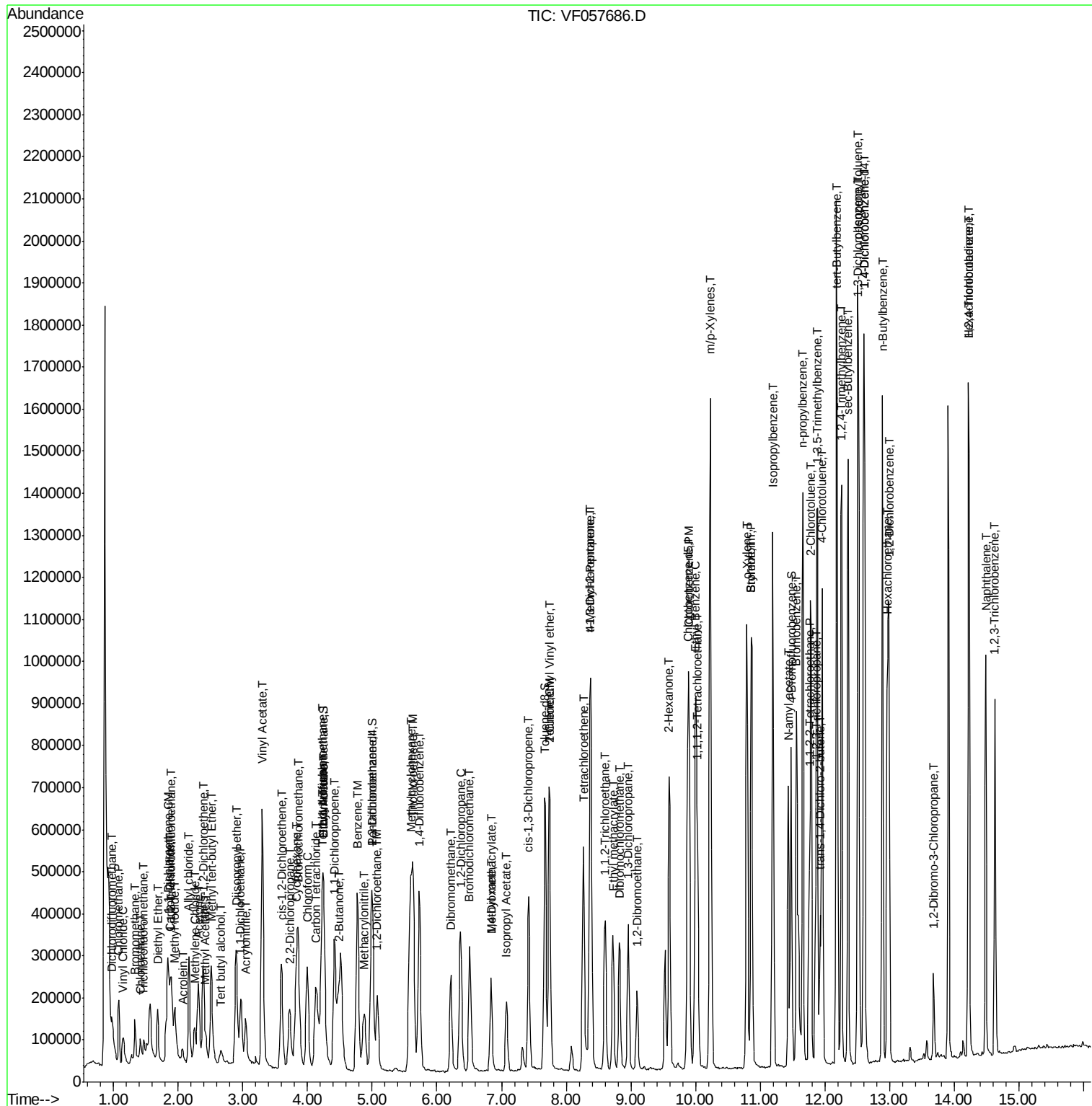
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	288743	53.16	ug/l	97
94) Hexachlorobutadiene	14.22	225	165687	55.40	ug/l	99
95) Naphthalene	14.49	128	648424	55.98	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	261117	52.24	ug/l	98

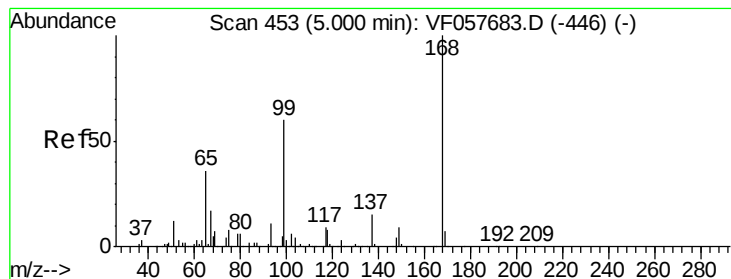
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial      : 8      Sample Multiplier: 1
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ClientSampleId :

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

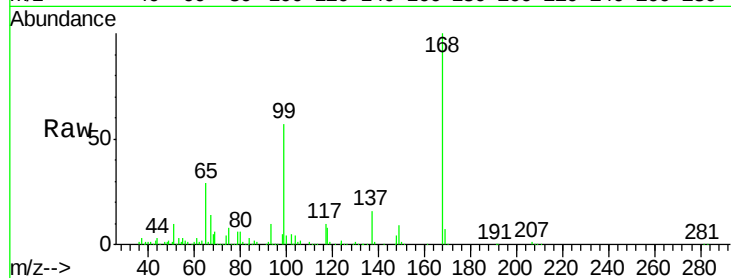
ClientSampleId :

Tgt Ion:168 Resp: 311501

Ion Ratio Lower Upper

168 100

99 57.5 48.5 72.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

120000

100000

80000

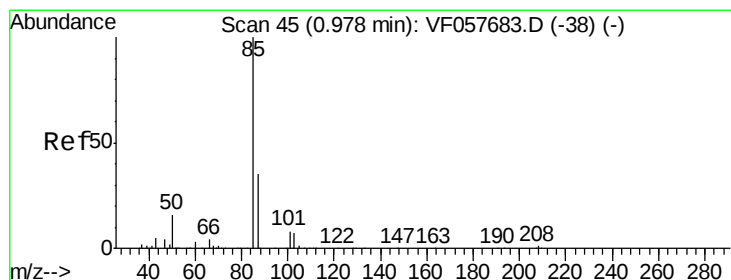
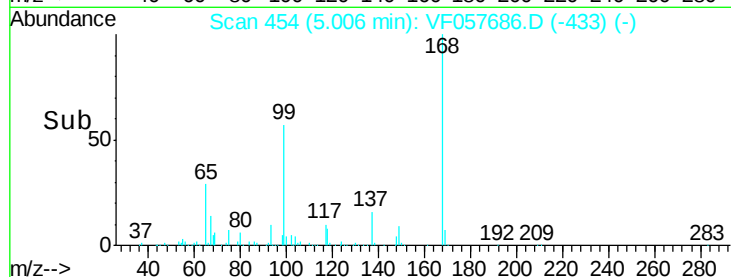
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 55.59 ug/l

RT: 0.97 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF057686.D

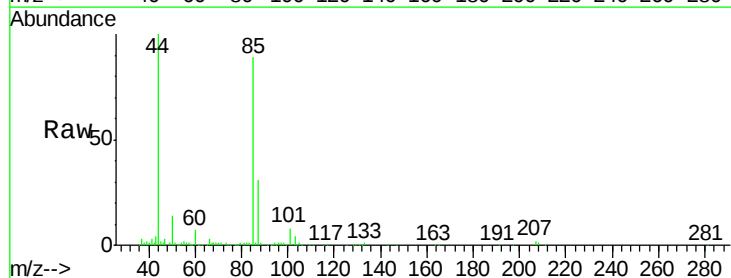
Acq: 9 May 2018 17:30

Tgt Ion: 85 Resp: 179144

Ion Ratio Lower Upper

85 100

87 34.3 17.6 52.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

50000

40000

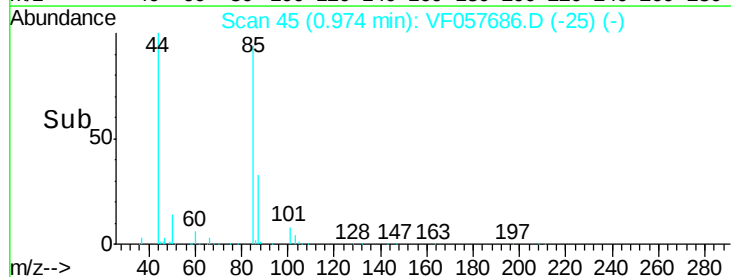
30000

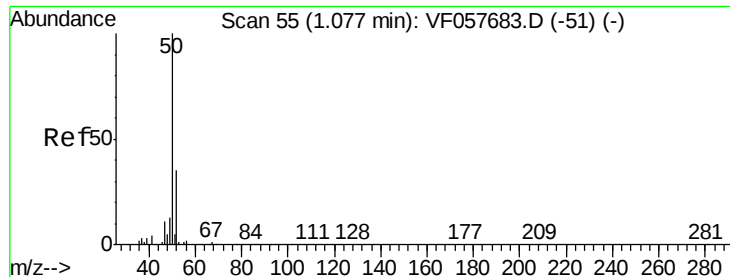
20000

10000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 55.19 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

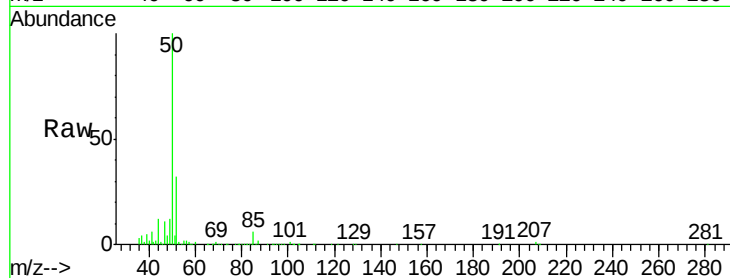
ClientSampleId :

Tgt Ion: 50 Resp: 143116

Ion Ratio Lower Upper

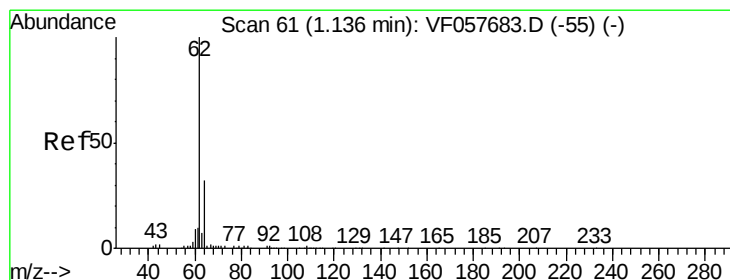
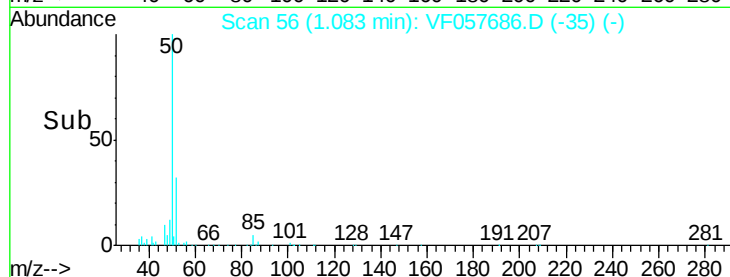
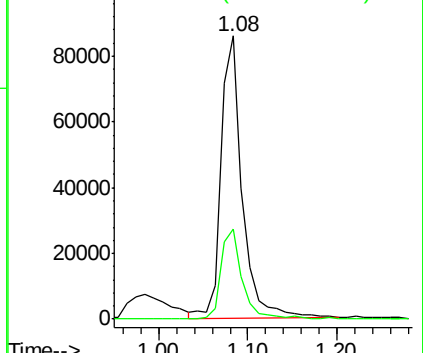
50 100

52 32.0 27.3 40.9



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 49.86 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.01 min

Lab File: VF057686.D

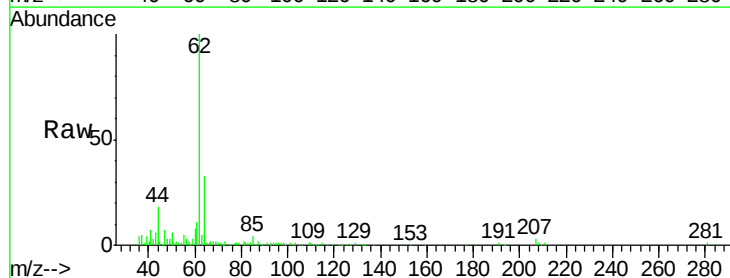
Acq: 9 May 2018 17:30

Tgt Ion: 62 Resp: 101966

Ion Ratio Lower Upper

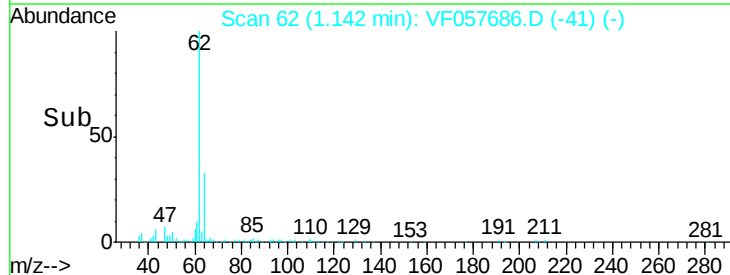
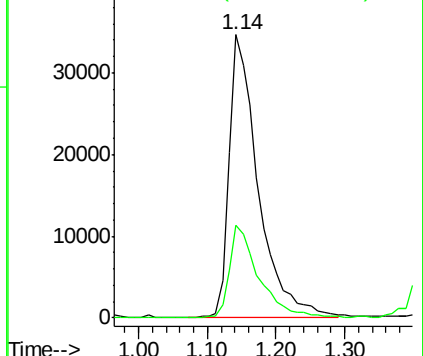
62 100

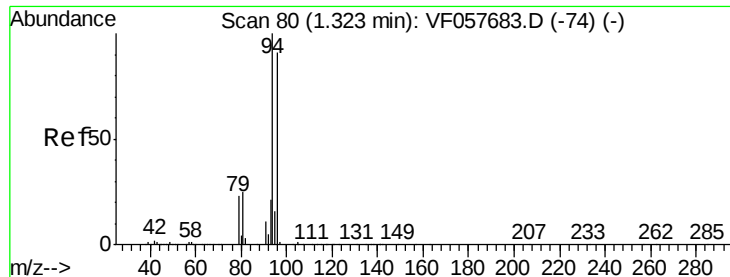
64 32.8 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 47.86 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

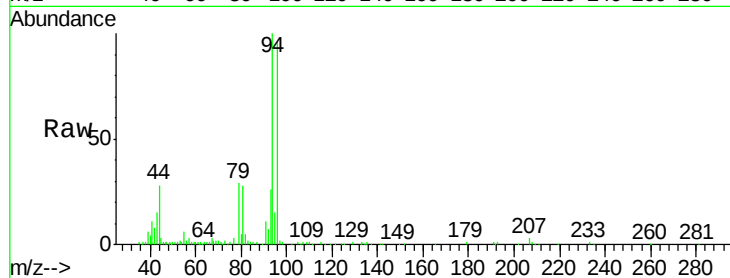
ClientSampleId :

Tgt Ion: 94 Resp: 55745

Ion Ratio Lower Upper

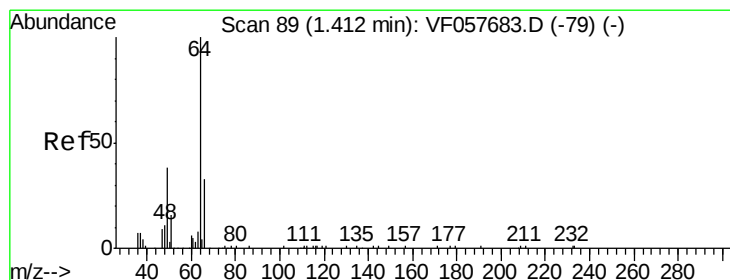
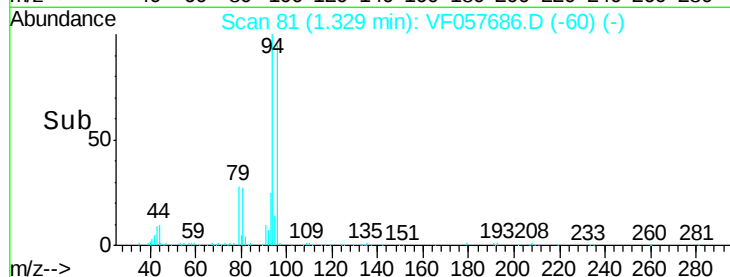
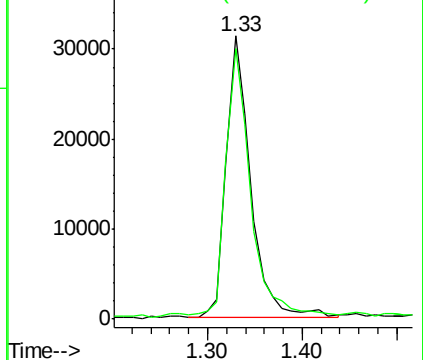
94 100

96 95.7 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 53.45 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF057686.D

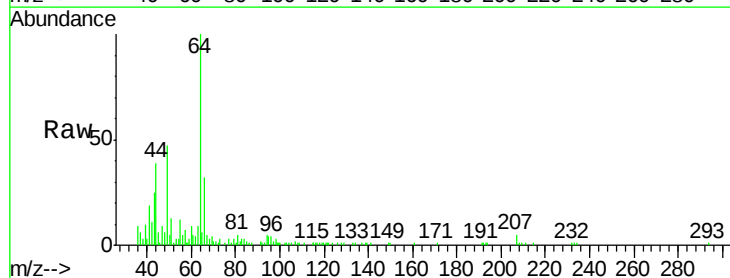
Acq: 9 May 2018 17:30

Tgt Ion: 64 Resp: 40278

Ion Ratio Lower Upper

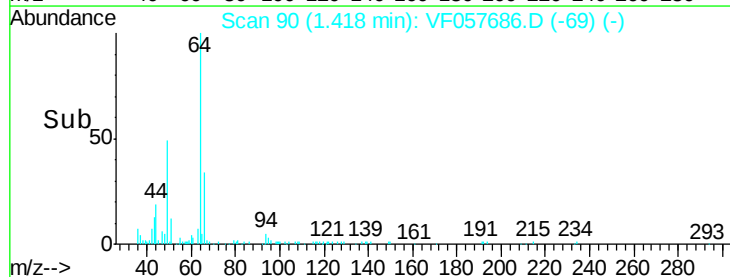
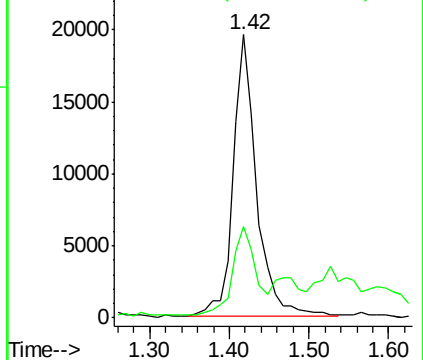
64 100

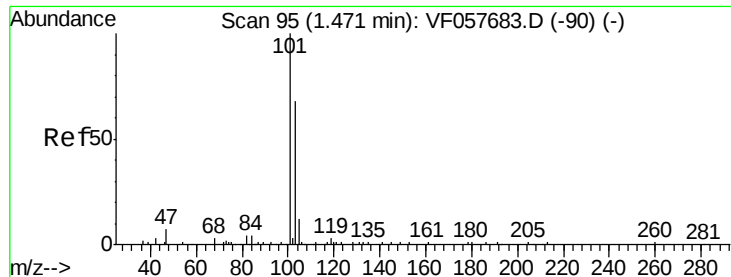
66 32.4 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 14.57 ug/l

RT: 1.47 min Scan# 95

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

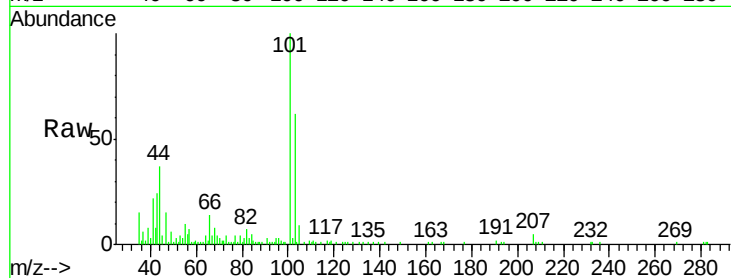
ClientSampleId :

Tgt Ion:101 Resp: 44114

Ion Ratio Lower Upper

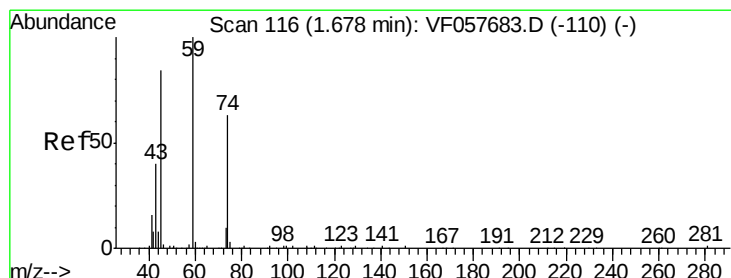
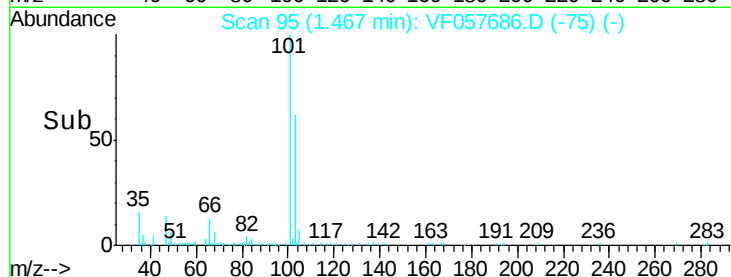
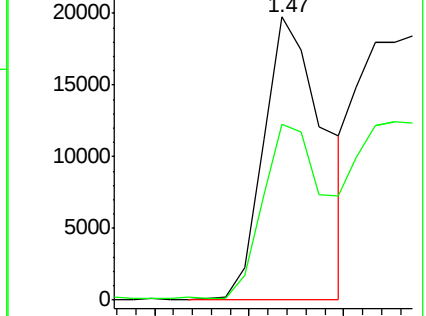
101 100

103 62.0 54.6 81.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 49.86 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.01 min

Lab File: VF057686.D

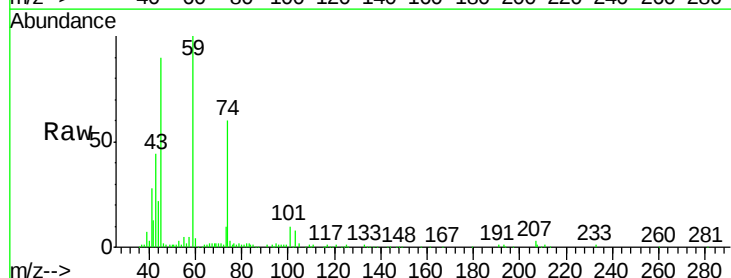
Acq: 9 May 2018 17:30

Tgt Ion: 74 Resp: 39612

Ion Ratio Lower Upper

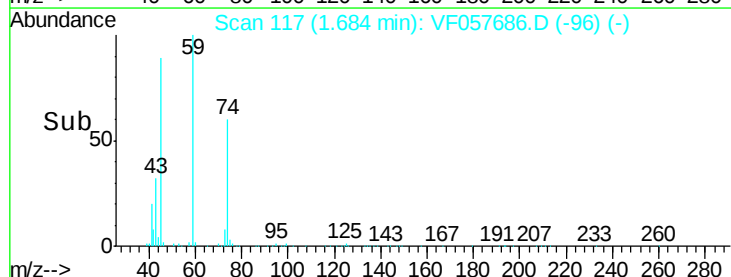
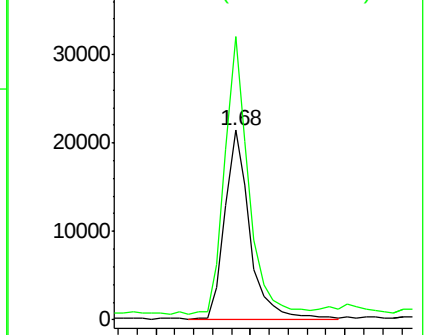
74 100

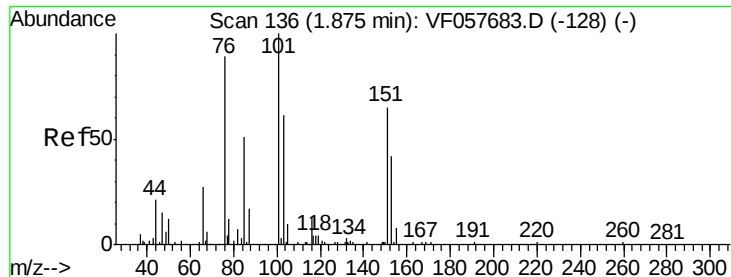
45 149.2 69.6 208.8



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: 54.37 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.02 min

Lab File: VF057686.D

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ClientSampleId :

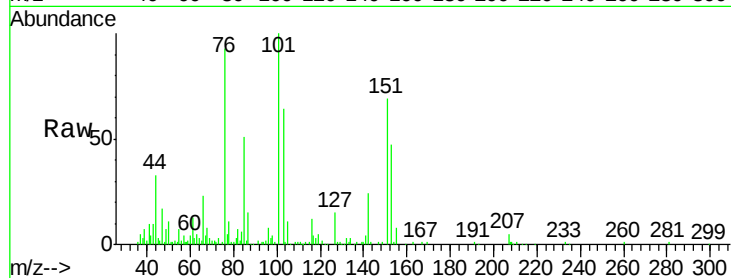
Tgt Ion:101 Resp: 91818

Ion Ratio Lower Upper

101 100

85 51.5 41.2 61.8

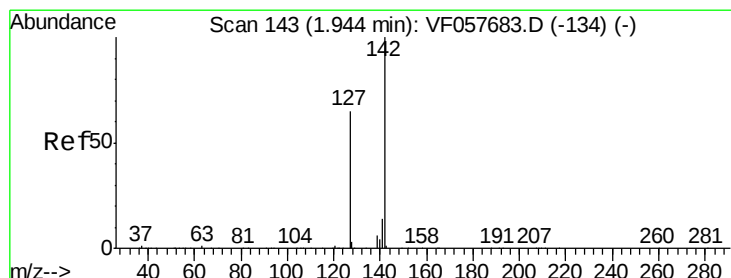
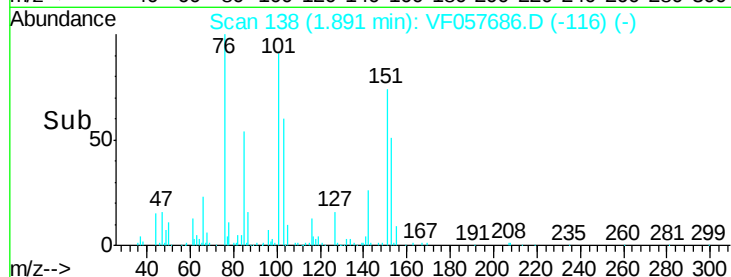
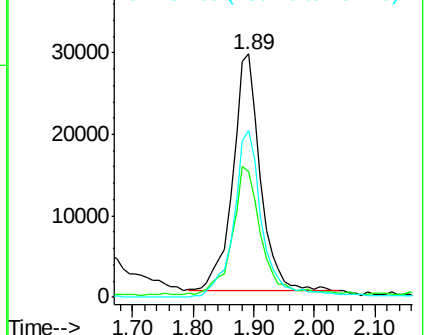
151 68.7 50.5 75.7



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: 50.06 ug/l

RT: 1.95 min Scan# 144

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

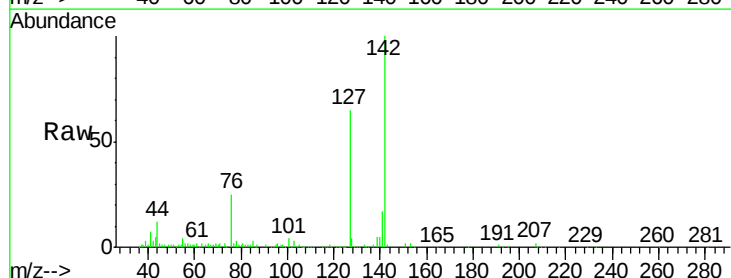
Tgt Ion:142 Resp: 163935

Ion Ratio Lower Upper

142 100

127 65.1 51.9 77.9

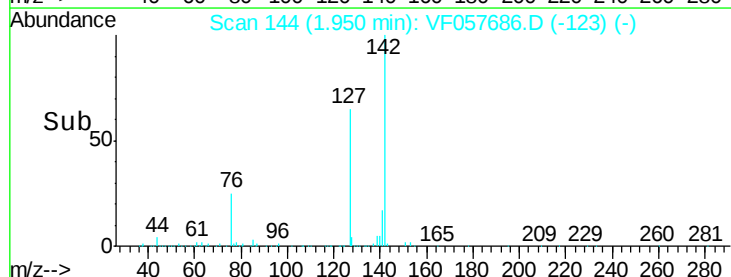
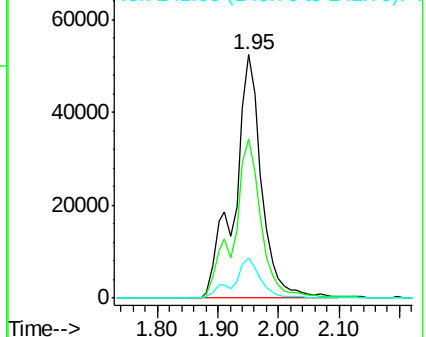
141 16.7 11.8 17.6

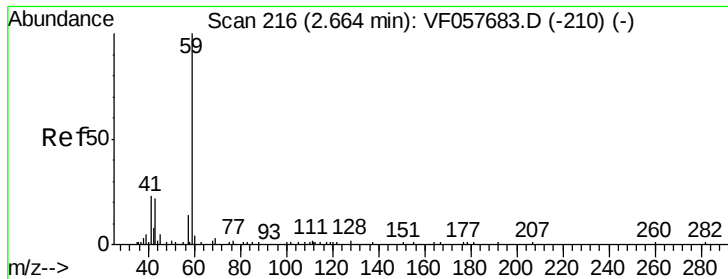


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

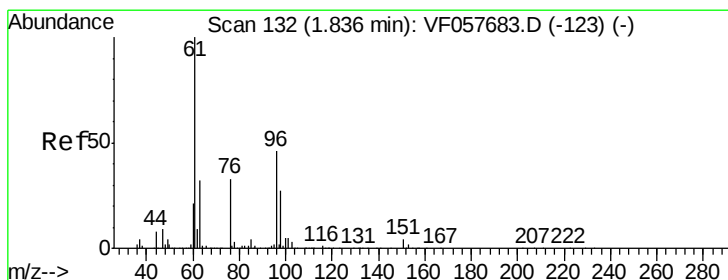
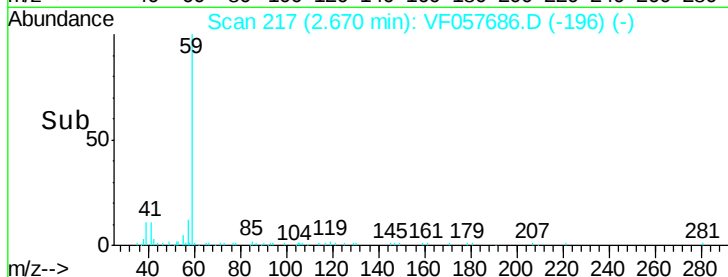
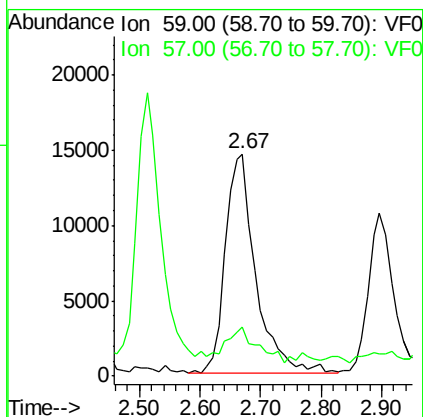
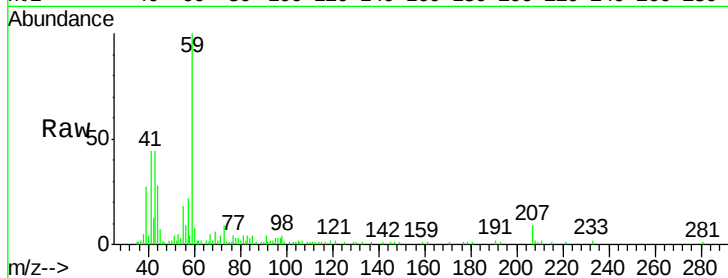




#11
Tert butyl alcohol
Concen: 254.88 ug/l
RT: 2.67 min Scan# 217
Delta R.T. 0.01 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

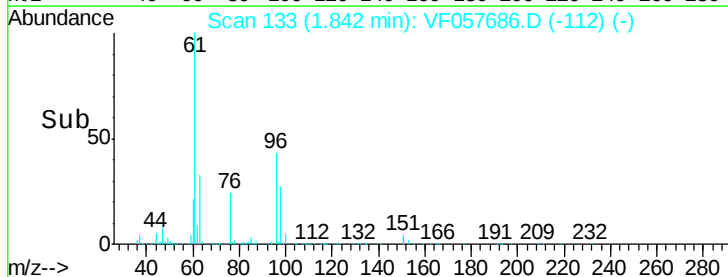
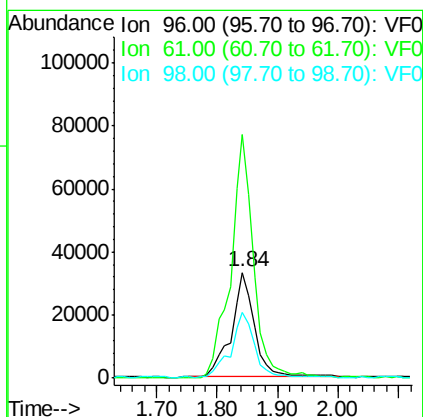
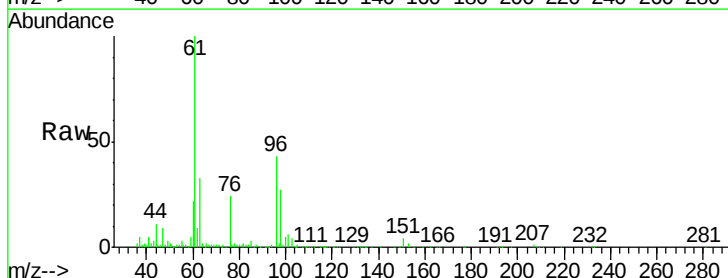
Instrument :
MSVOA_X
ClientSampleId :

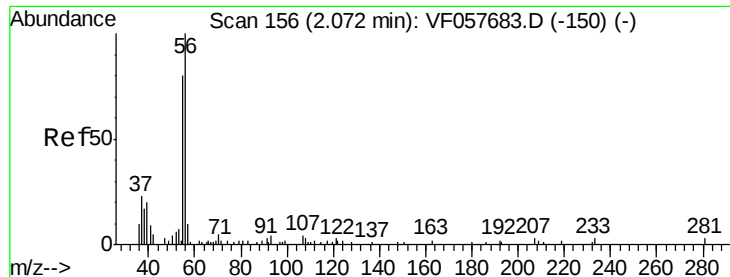
Tgt Ion: 59 Resp: 50589
Ion Ratio Lower Upper
59 100
57 22.0 19.8 29.6



#12
1,1-Dichloroethene
Concen: 51.82 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.01 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

Tgt Ion: 96 Resp: 86371
Ion Ratio Lower Upper
96 100
61 230.6 173.4 260.2
98 62.5 47.8 71.8





#13

Acrolein

Concen: 270.95 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

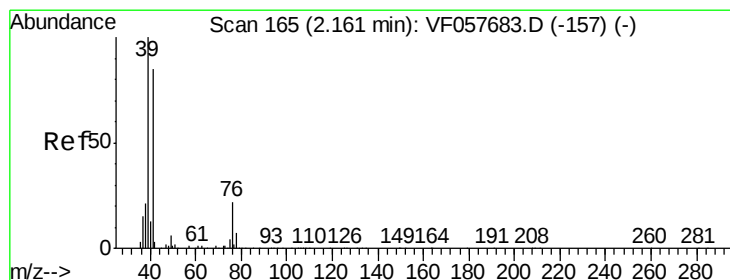
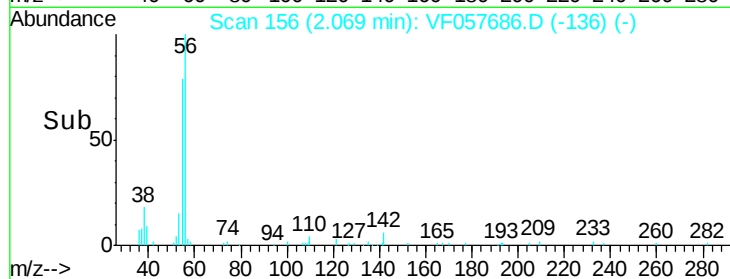
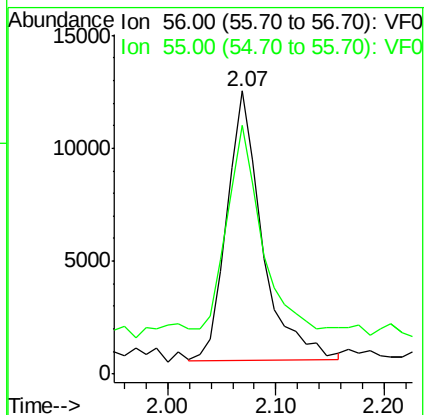
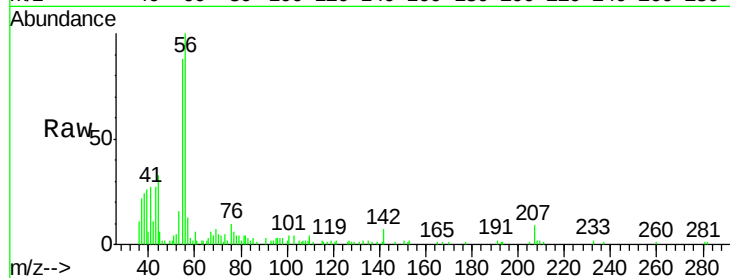
ClientSampleId :

Tgt Ion: 56 Resp: 27202

Ion Ratio Lower Upper

56 100

55 87.9 78.2 117.2



#14

Allyl chloride

Concen: 53.83 ug/l

RT: 2.17 min Scan# 166

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

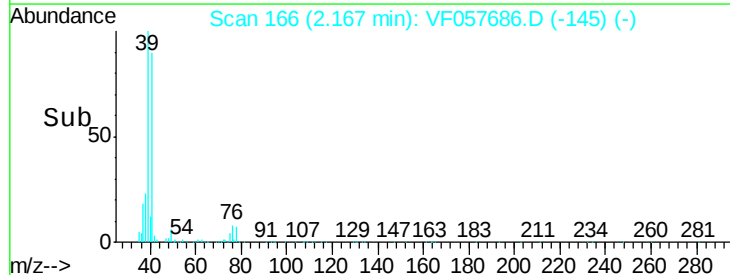
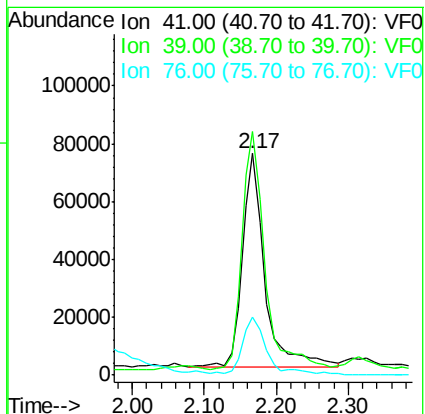
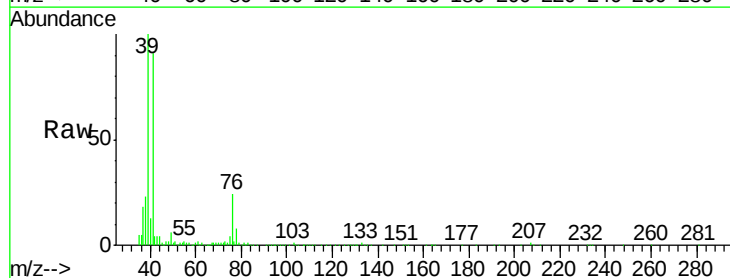
Tgt Ion: 41 Resp: 160239

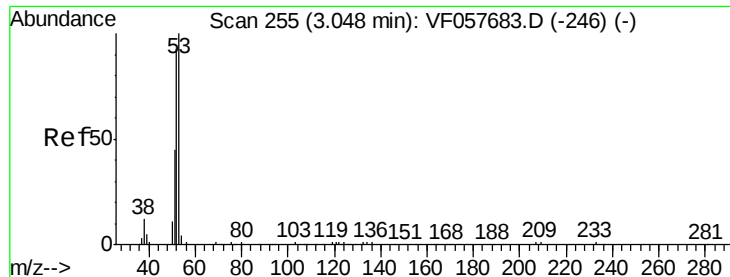
Ion Ratio Lower Upper

41 100

39 109.9 92.1 138.1

76 25.9 19.8 29.6





#15

Acrylonitrile

Concen: 243.27 ug/l

RT: 3.04 min Scan# 255

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

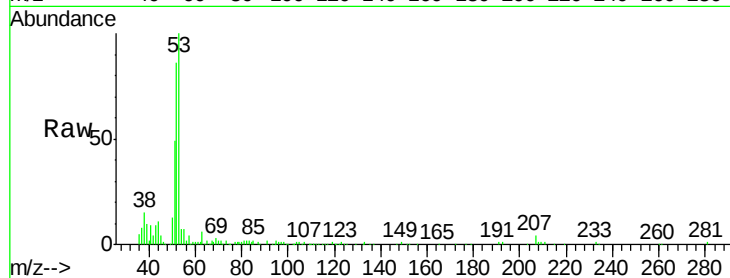
Tgt Ion: 53 Resp: 95179

Ion Ratio Lower Upper

53 100

52 85.9 74.4 111.6

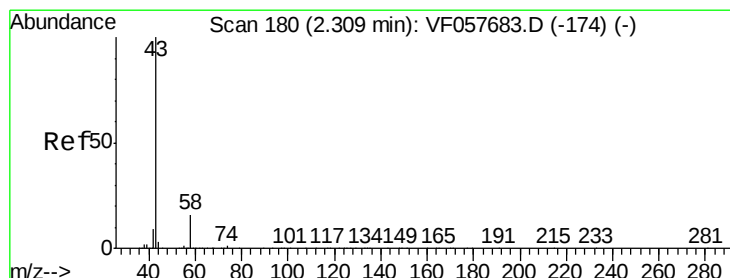
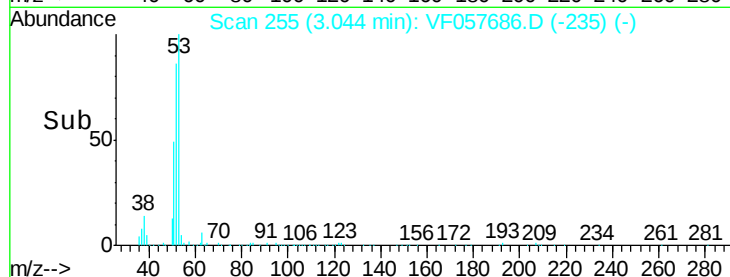
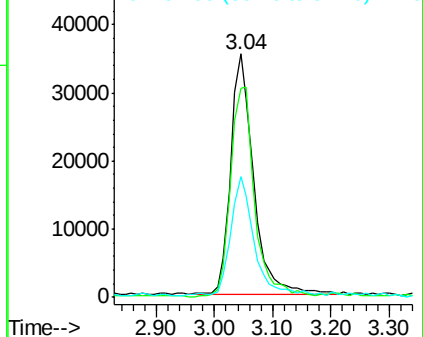
51 49.4 37.0 55.6



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 292.70 ug/l

RT: 2.32 min Scan# 181

Delta R.T. 0.01 min

Lab File: VF057686.D

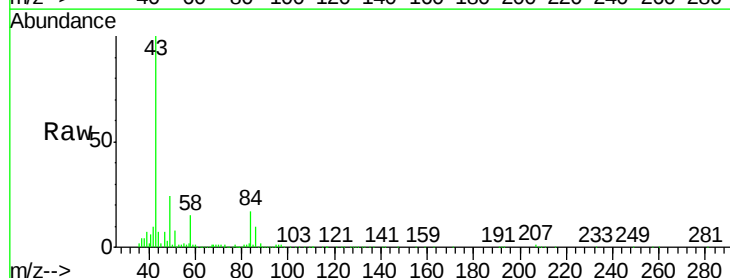
Acq: 9 May 2018 17:30

Tgt Ion: 43 Resp: 231705

Ion Ratio Lower Upper

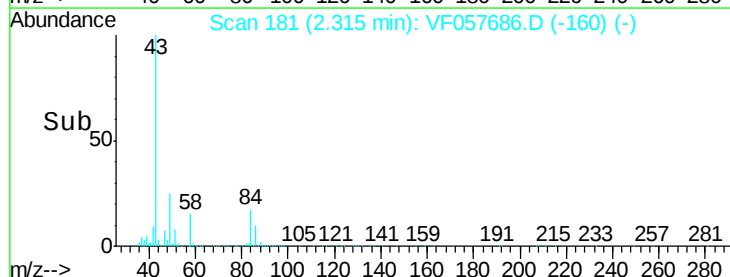
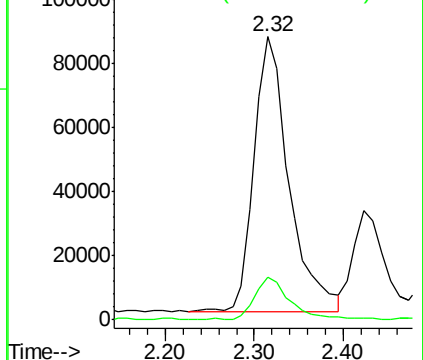
43 100

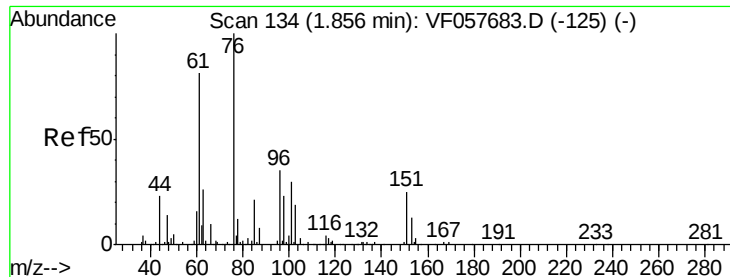
58 15.3 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 38.38 ug/l

RT: 1.87 min Scan# 136

Delta R.T. 0.02 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

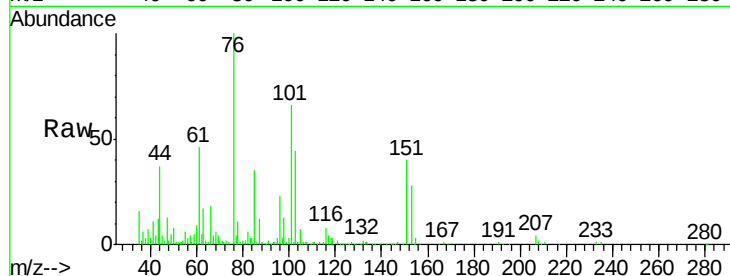
ClientSampleId :

Tgt Ion: 76 Resp: 163544

Ion Ratio Lower Upper

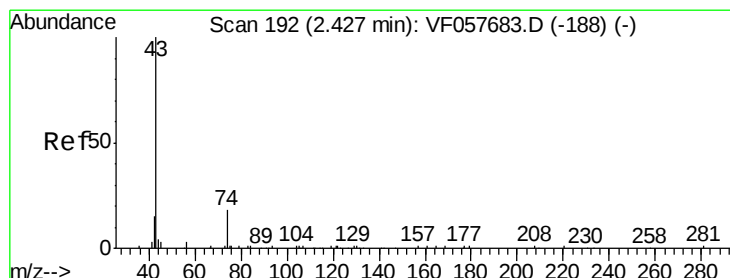
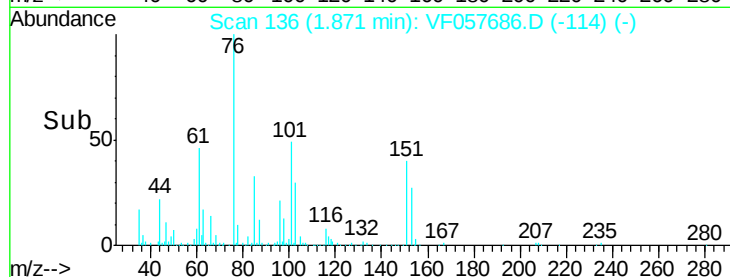
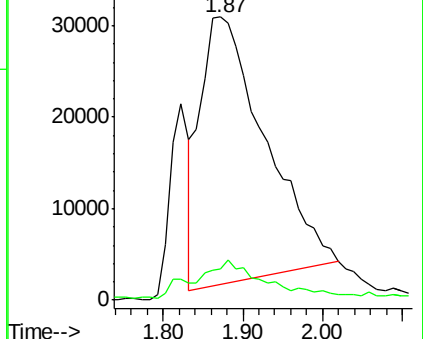
76 100

78 11.2 9.4 14.0



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 48.03 ug/l

RT: 2.42 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF057686.D

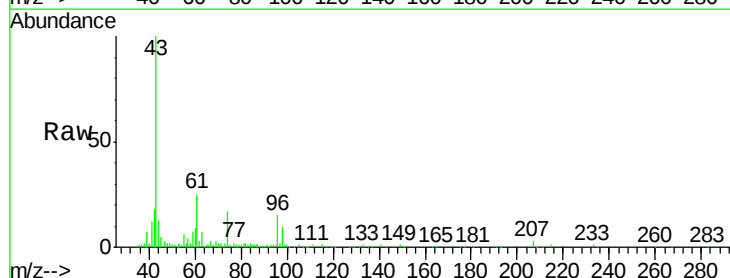
Acq: 9 May 2018 17:30

Tgt Ion: 43 Resp: 69255

Ion Ratio Lower Upper

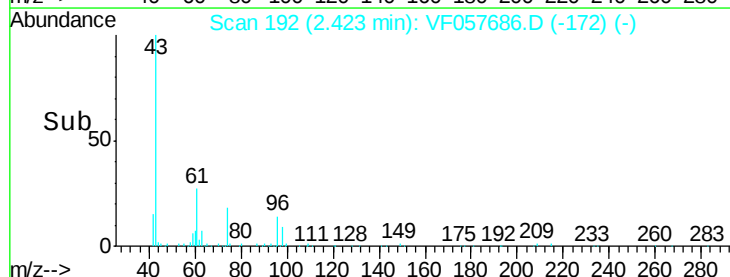
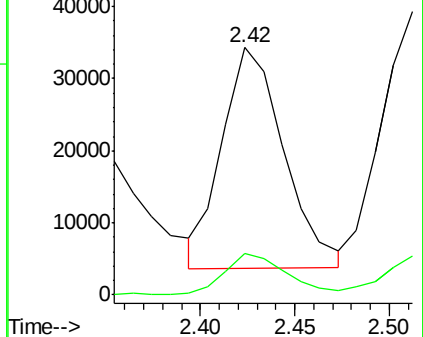
43 100

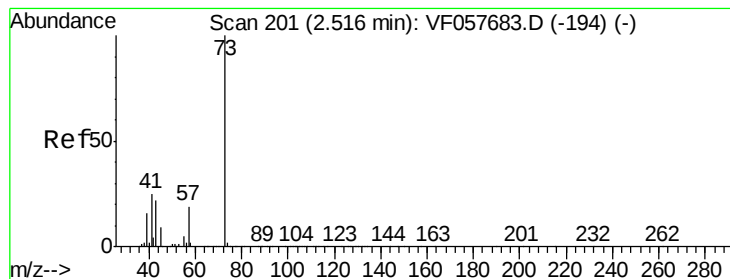
74 16.8 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



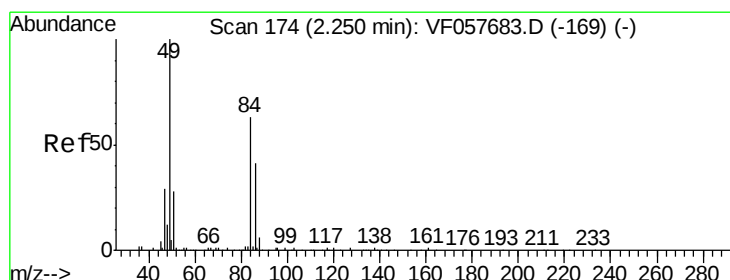
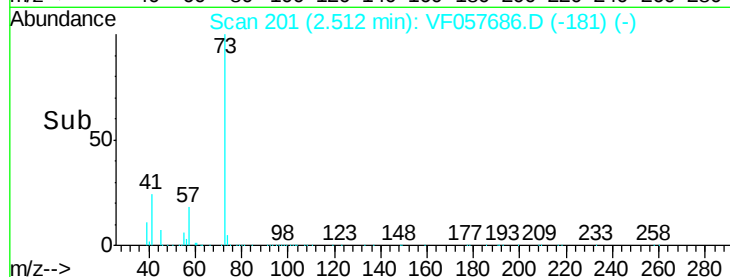
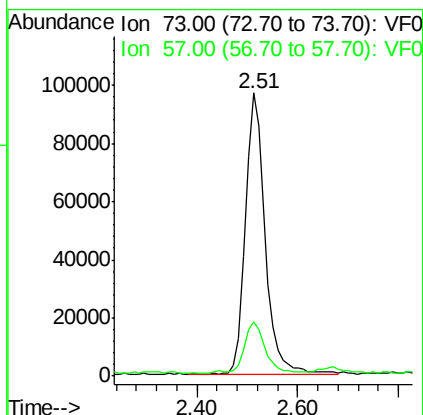
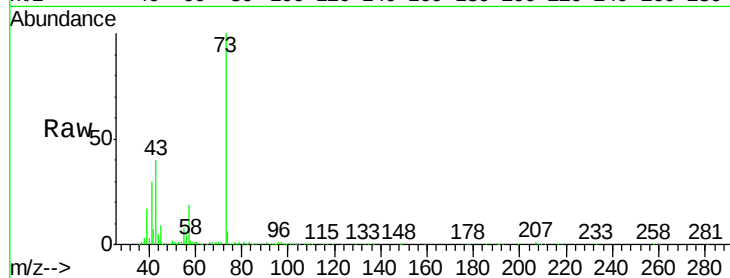


#19

Methyl tert-butyl Ether
Concen: 51.30 ug/l
RT: 2.51 min Scan# 201
Delta R.T. -0.00 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

Instrument :
MSVOA_X
ClientSampled :

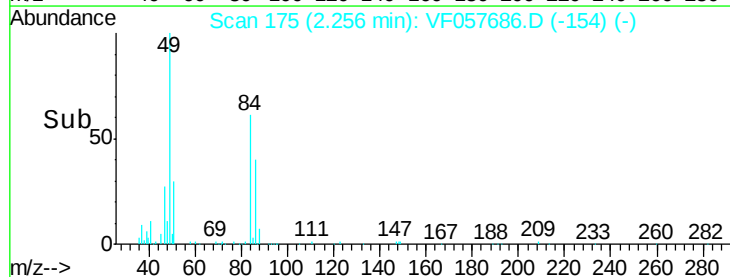
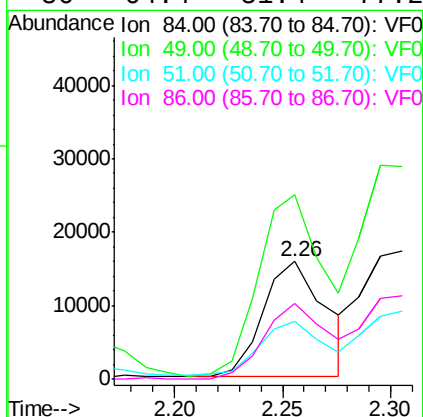
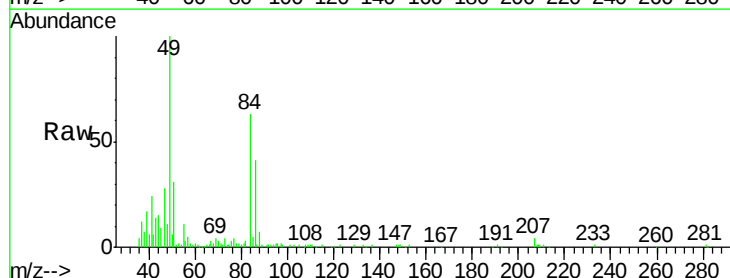
Tgt Ion: 73 Resp: 265427
Ion Ratio Lower Upper
73 100
57 19.3 16.5 24.7

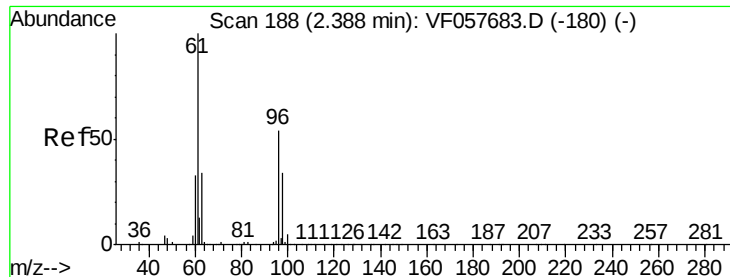


#20

Methylene Chloride
Concen: 19.26 ug/l
RT: 2.26 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

Tgt Ion: 84 Resp: 31772
Ion Ratio Lower Upper
84 100
49 157.6 126.4 189.6
51 49.3 36.6 55.0
86 64.4 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 49.63 ug/l

RT: 2.39 min Scan# 189

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

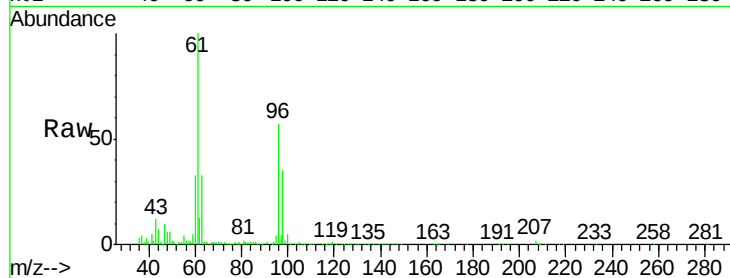
Tgt Ion: 96 Resp: 85674

Ion Ratio Lower Upper

96 100

61 174.9 148.3 222.5

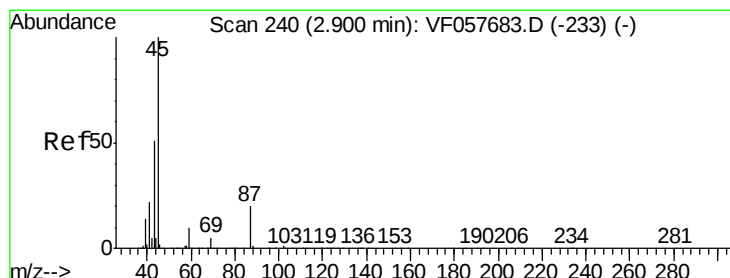
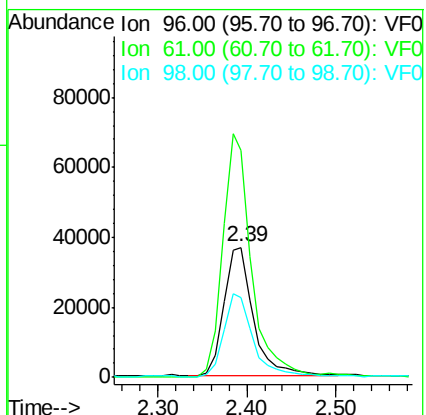
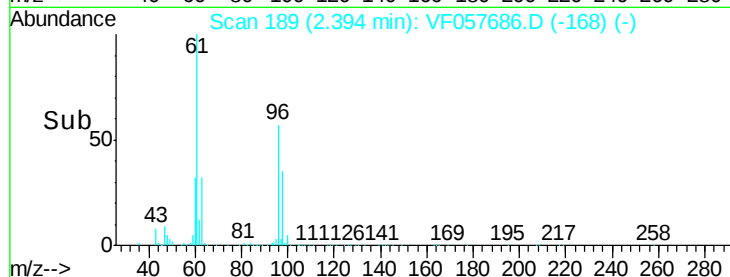
98 61.6 51.4 77.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 48.66 ug/l

RT: 2.90 min Scan# 240

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Tgt Ion: 45 Resp: 326427

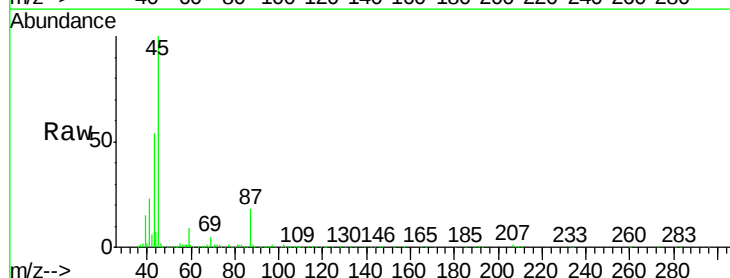
Ion Ratio Lower Upper

45 100

43 54.2 43.8 65.8

87 17.6 16.3 24.5

59 9.5 8.3 12.5

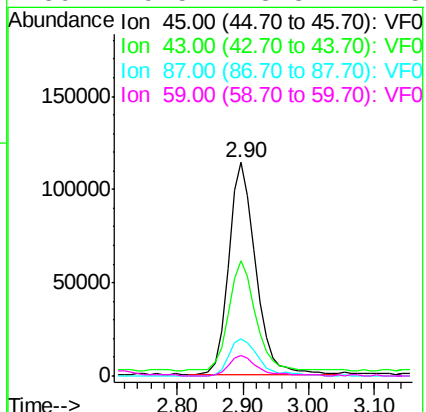
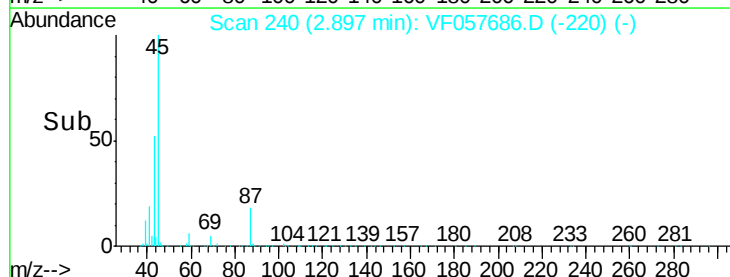


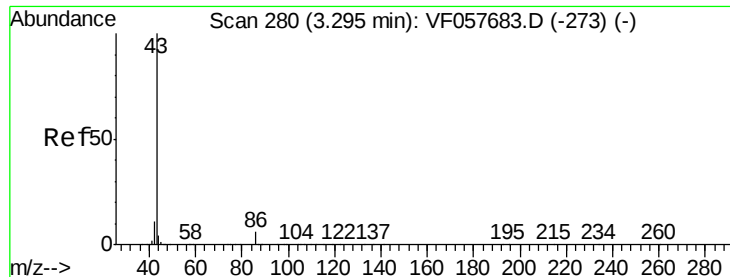
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 265.97 ug/l

RT: 3.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

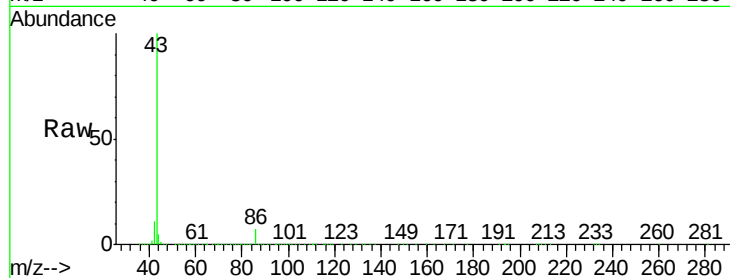
ClientSampled :

Tgt Ion: 43 Resp: 1284757

Ion Ratio Lower Upper

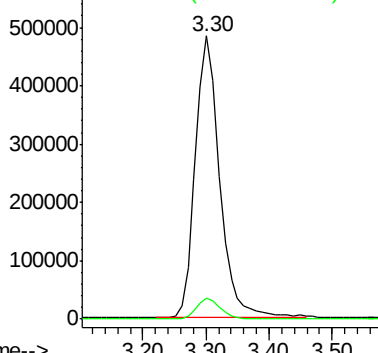
43 100

86 7.4 5.2 7.8

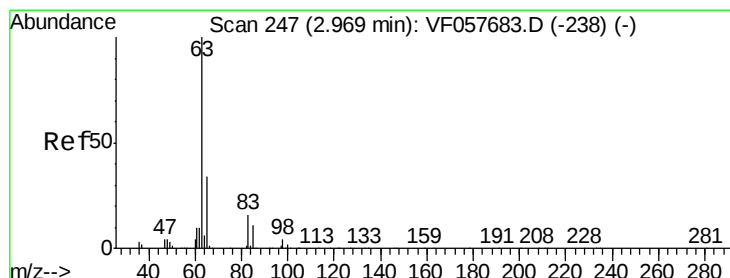
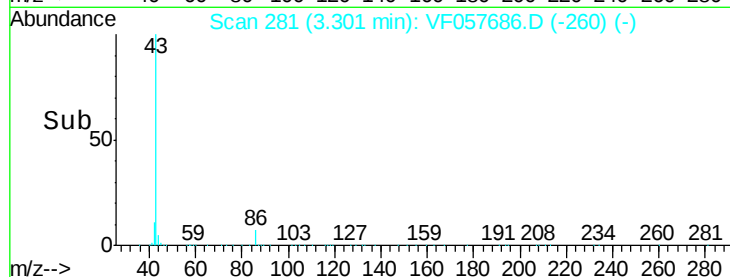


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#24

1,1-Dichloroethane

Concen: 48.35 ug/l

RT: 2.97 min Scan# 247

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

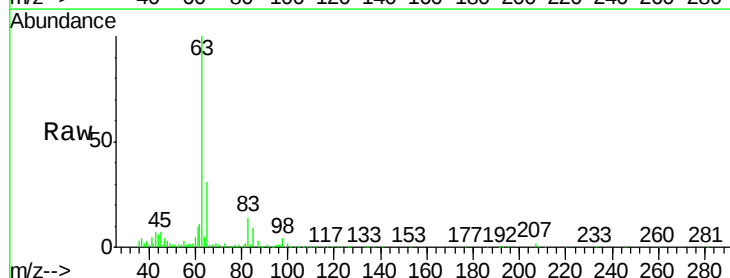
Tgt Ion: 63 Resp: 187195

Ion Ratio Lower Upper

63 100

98 3.8 2.1 6.2

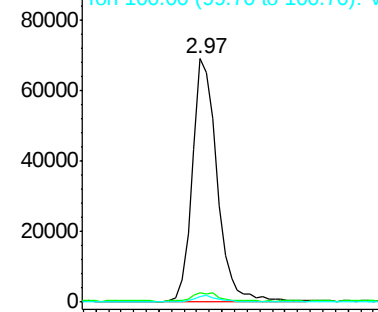
100 2.3 1.3 3.8



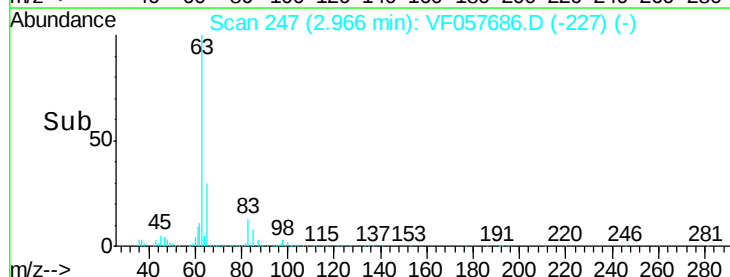
Abundance Ion 63.00 (62.70 to 63.70): VF0

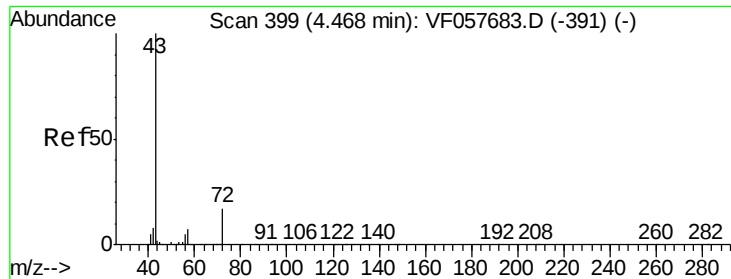
Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#25

2-Butanone

Concen: 273.70 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

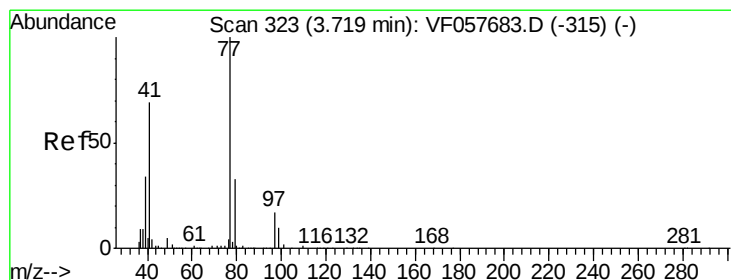
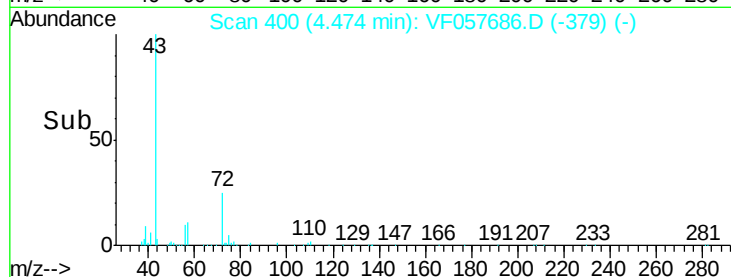
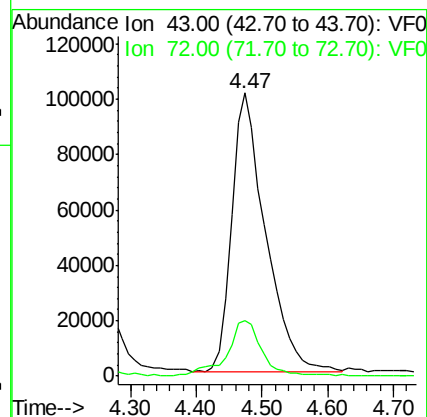
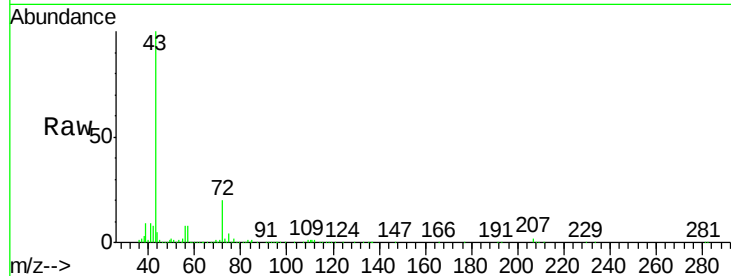
ClientSampleId :

Tgt Ion: 43 Resp: 366724

Ion Ratio Lower Upper

43 100

72 19.8 15.0 22.6



#26

2,2-Dichloropropane

Concen: 48.84 ug/l

RT: 3.72 min Scan# 324

Delta R.T. 0.01 min

Lab File: VF057686.D

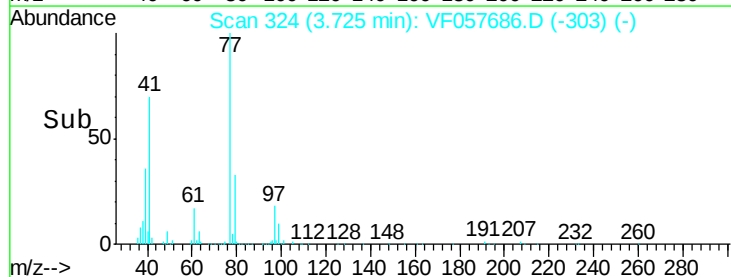
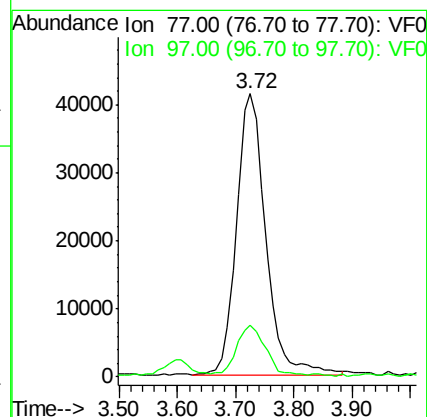
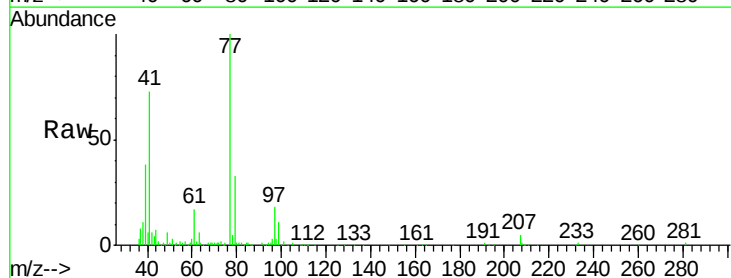
Acq: 9 May 2018 17:30

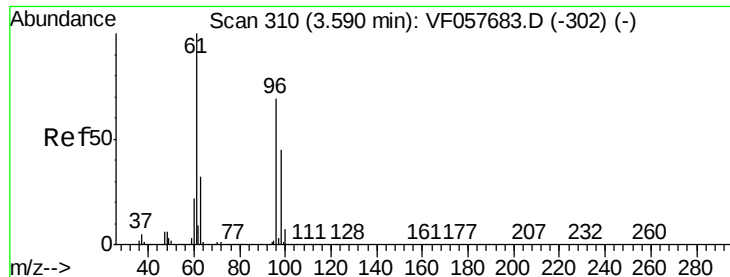
Tgt Ion: 77 Resp: 143840

Ion Ratio Lower Upper

77 100

97 18.4 9.0 27.1



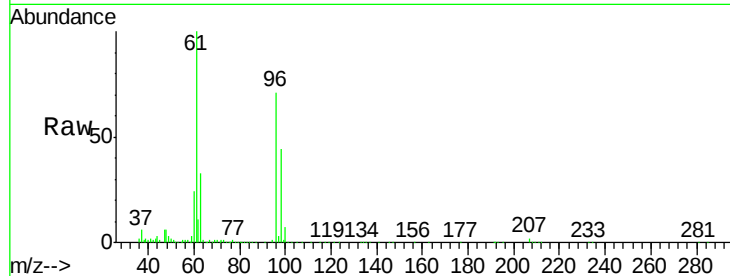


#27

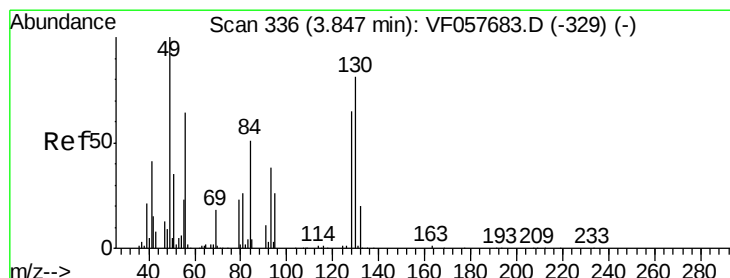
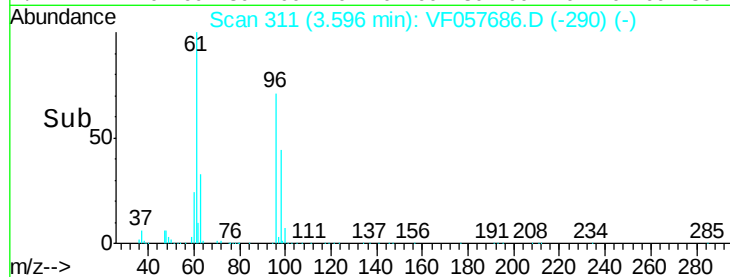
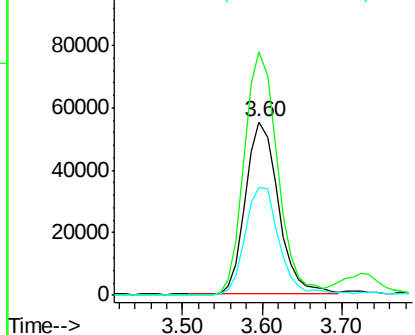
cis-1,2-Dichloroethene
Concen: 49.45 ug/l
RT: 3.60 min Scan# 311
Delta R.T. 0.01 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 96 Resp: 157261
Ion Ratio Lower Upper
96 100
61 140.1 0.0 286.8
98 62.2 0.0 130.2



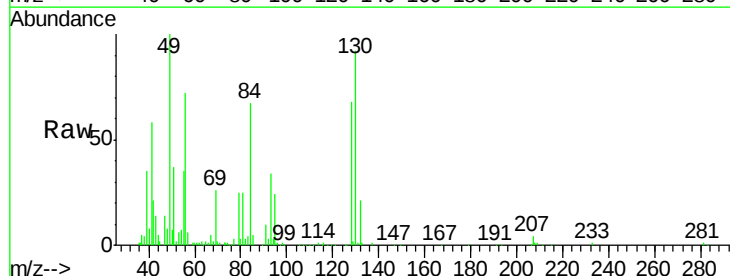
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



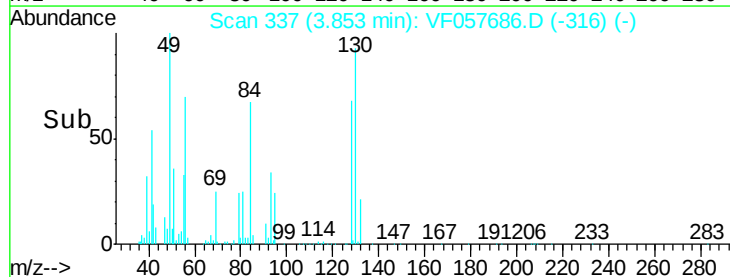
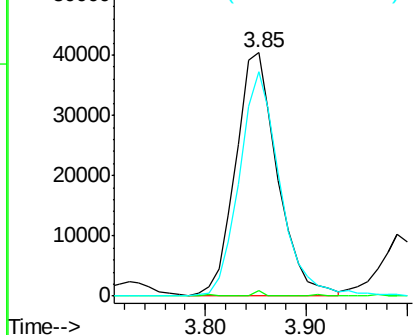
#28

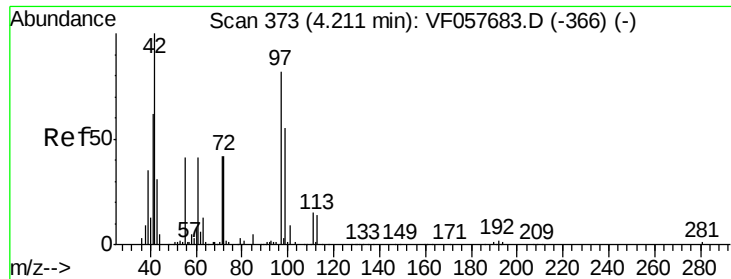
Bromochloromethane
Concen: 51.79 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.01 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

Tgt Ion: 49 Resp: 115546
Ion Ratio Lower Upper
49 100
129 2.0 0.0 0.0#
130 92.3 64.7 97.1



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V

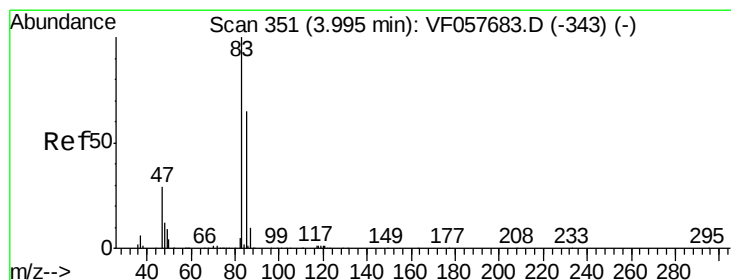
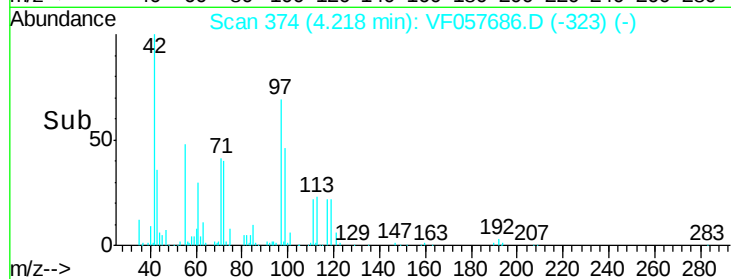
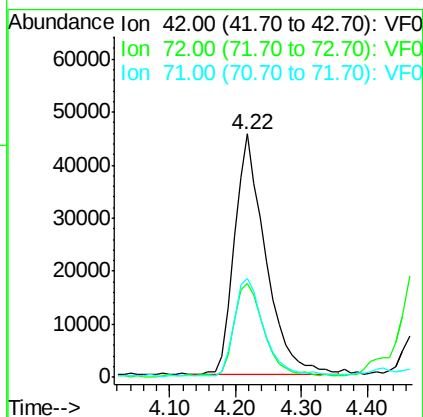
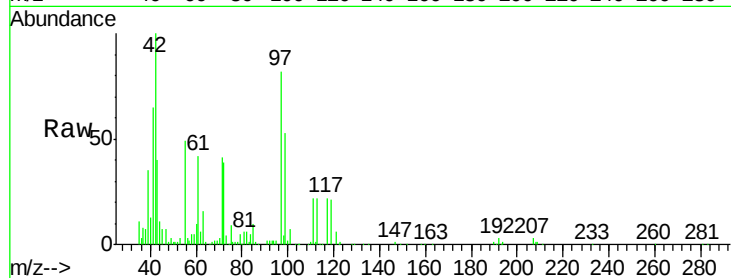




#29
Tetrahydrofuran
Concen: 262.51 ug/l
RT: 4.22 min Scan# 374
Delta R.T. 0.01 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

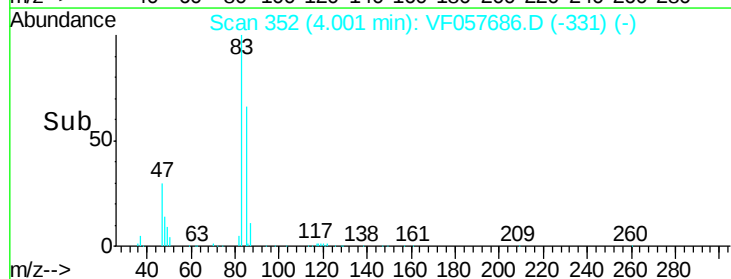
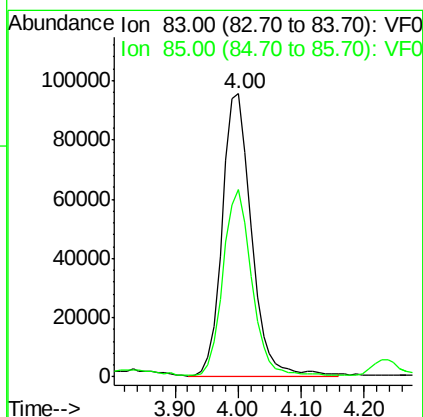
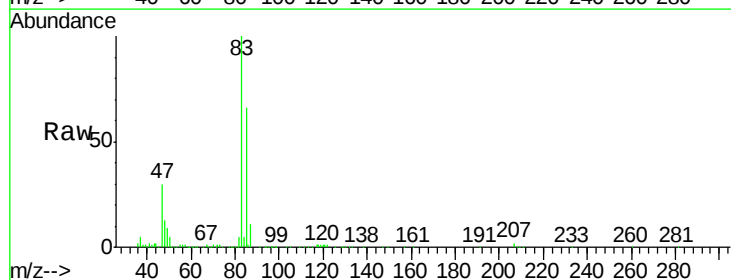
Instrument :
MSVOA_X
ClientSampleId :

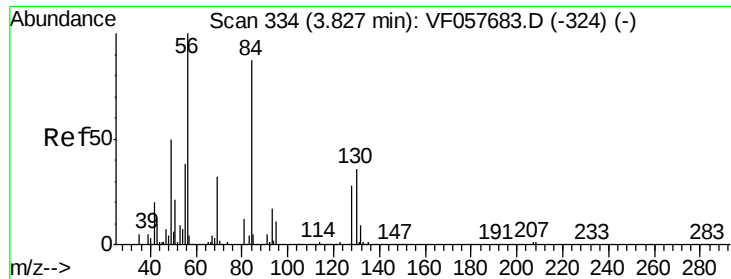
Tgt Ion: 42 Resp: 150442
Ion Ratio Lower Upper
42 100
72 38.8 31.7 47.5
71 40.7 31.7 47.5



#30
Chloroform
Concen: 49.26 ug/l
RT: 4.00 min Scan# 352
Delta R.T. 0.01 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

Tgt Ion: 83 Resp: 306404
Ion Ratio Lower Upper
83 100
85 66.1 52.1 78.1

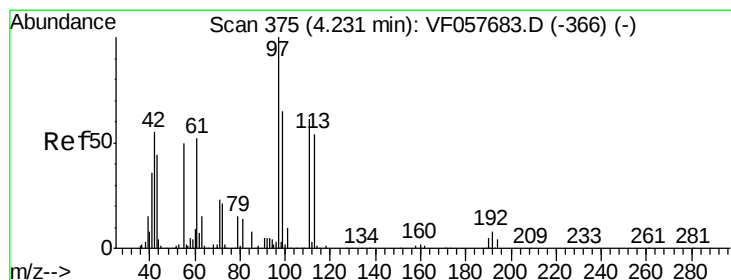
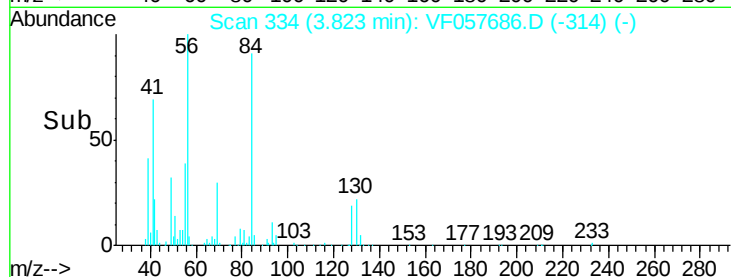
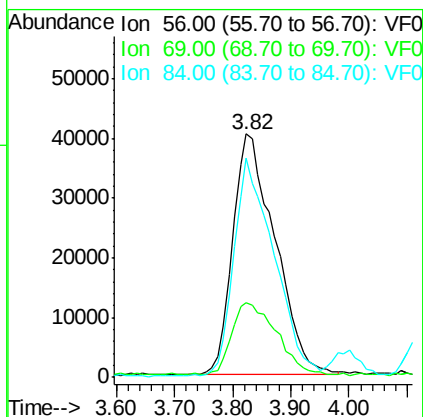
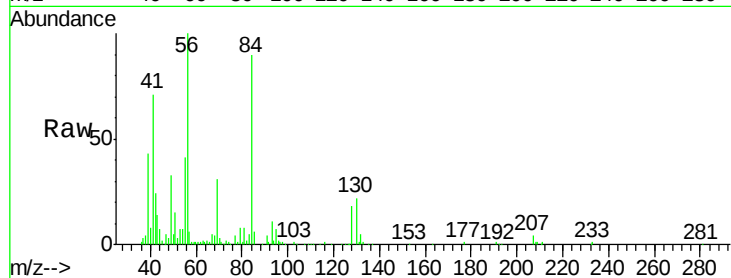




#31
Cyclohexane
Concen: 51.96 ug/l
RT: 3.82 min Scan# 334
Delta R.T. -0.00 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

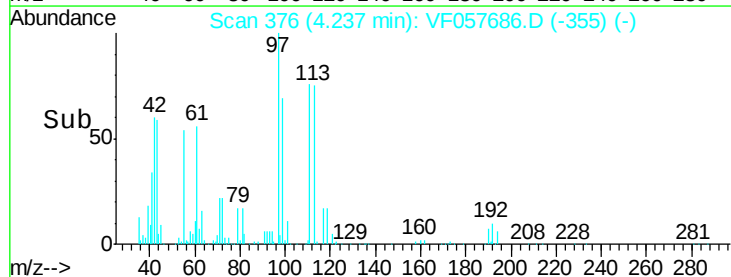
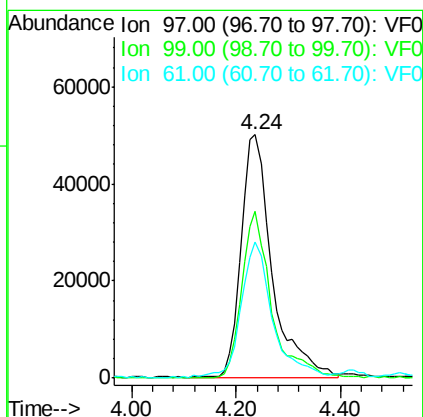
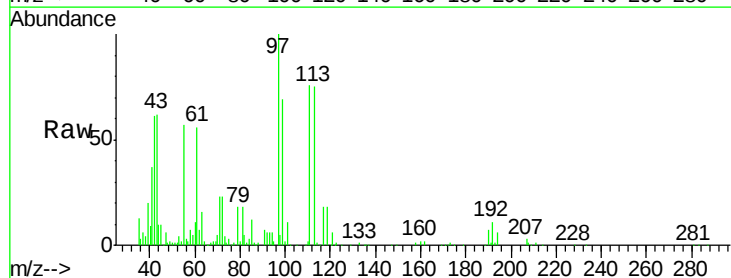
Instrument :
MSVOA_X
ClientSampleId :

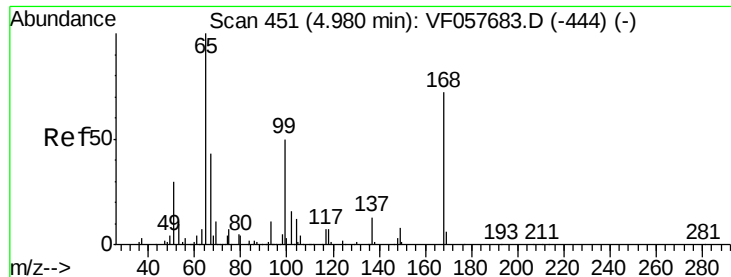
Tgt Ion: 56 Resp: 204625
Ion Ratio Lower Upper
56 100
69 30.6 26.9 40.3
84 90.0 69.8 104.6



#32
1,1,1-Trichloroethane
Concen: 47.37 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

Tgt Ion: 97 Resp: 201206
Ion Ratio Lower Upper
97 100
99 68.7 51.7 77.5
61 55.7 42.2 63.2





#33

1,2-Dichloroethane-d4

Concen: 49.42 ug/l

RT: 4.99 min Scan# 452

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

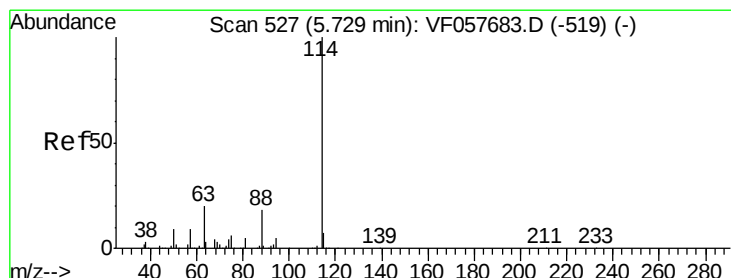
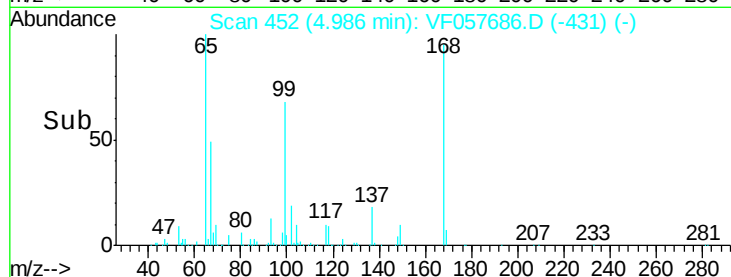
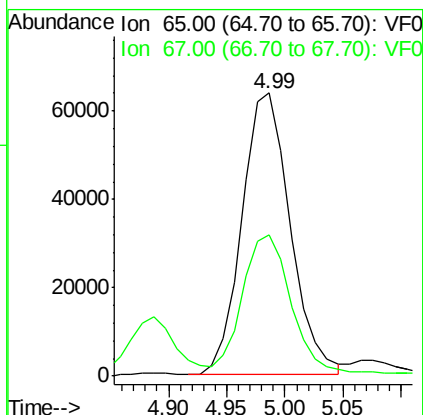
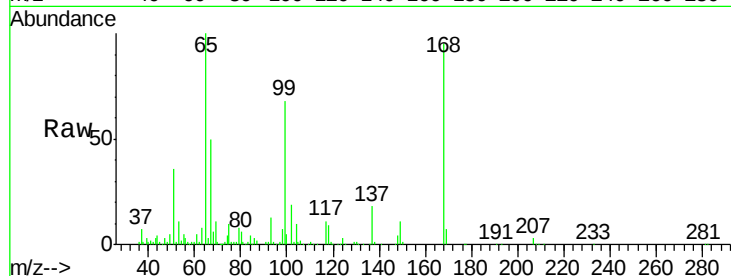
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 65 Resp: 182922

Ion Ratio Lower Upper

65 100

67 49.9 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.73 min Scan# 527

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

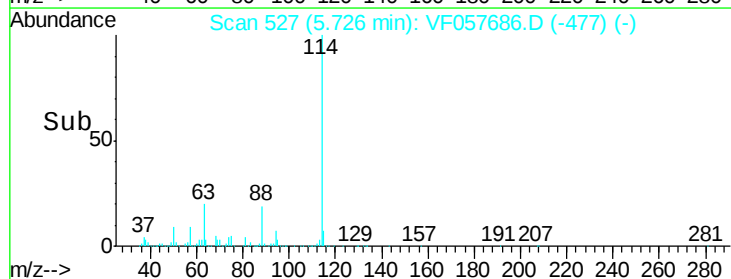
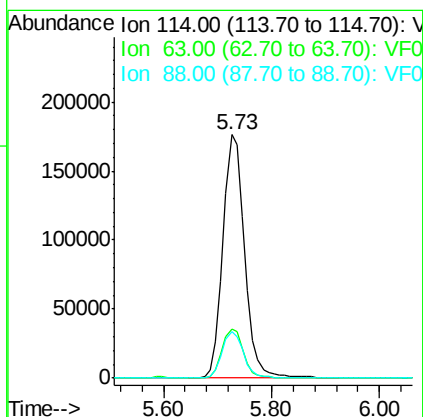
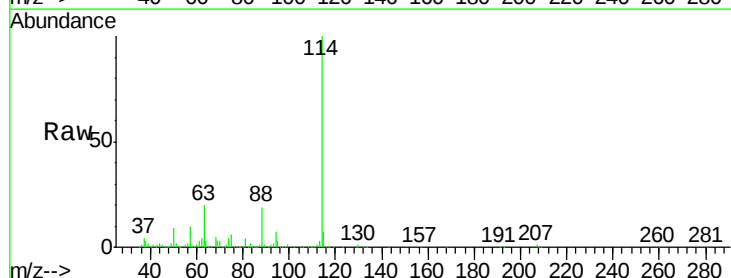
Tgt Ion: 114 Resp: 490426

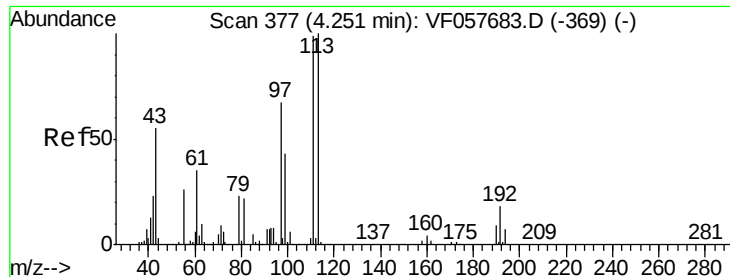
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 19.1 0.0 37.2





#35

Dibromofluoromethane

Concen: 49.88 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

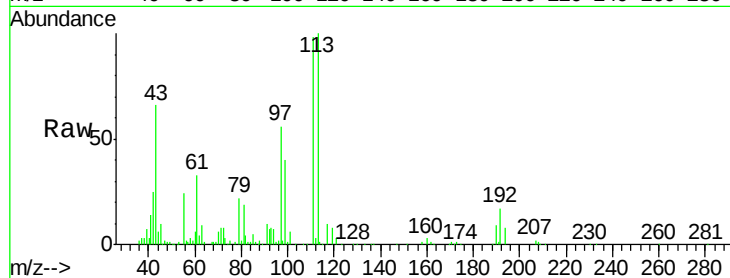
Tgt Ion: 113 Resp: 174919

Ion Ratio Lower Upper

113 100

111 98.0 79.1 118.7

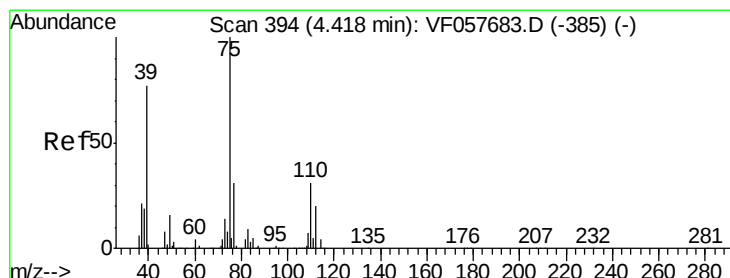
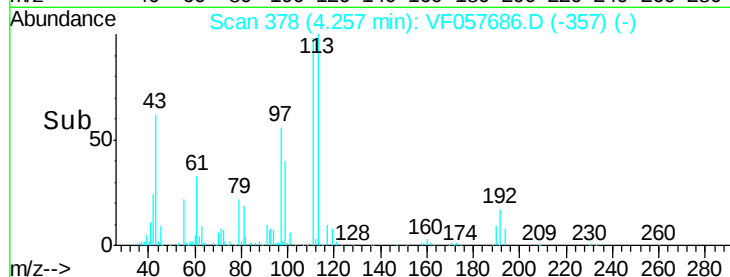
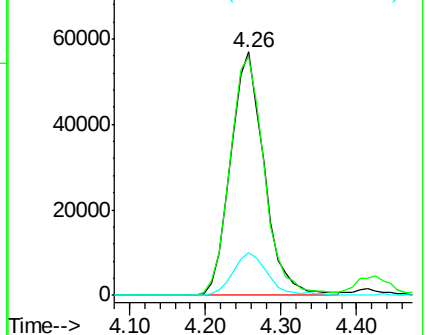
192 17.4 14.5 21.7



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 50.50 ug/l

RT: 4.41 min Scan# 394

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

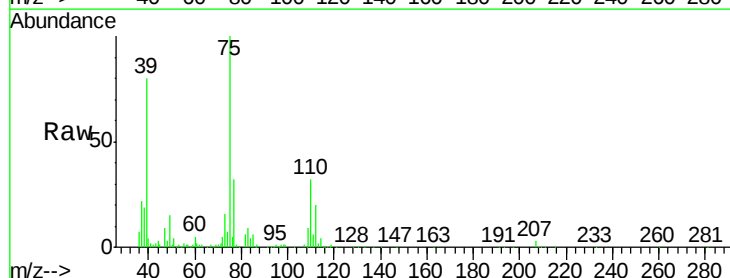
Tgt Ion: 75 Resp: 220798

Ion Ratio Lower Upper

75 100

110 31.7 15.5 46.5

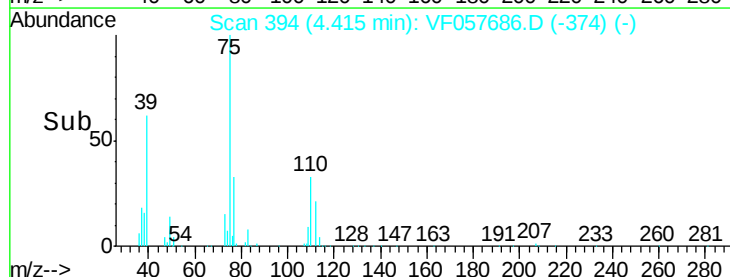
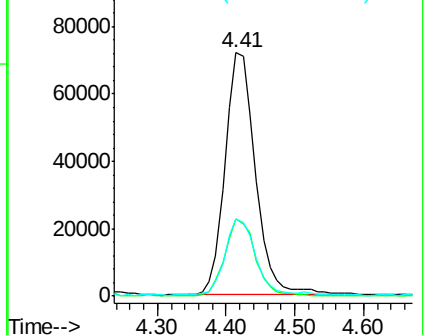
77 31.8 25.7 38.5

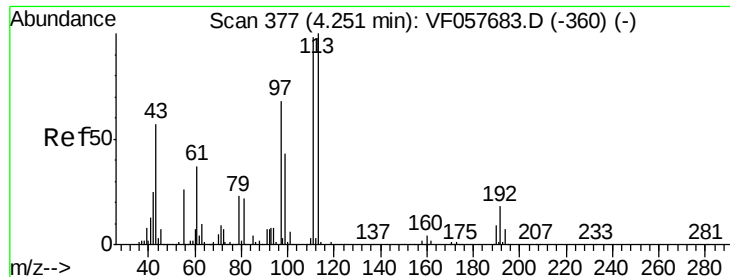


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 55.22 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

ClientSampled :

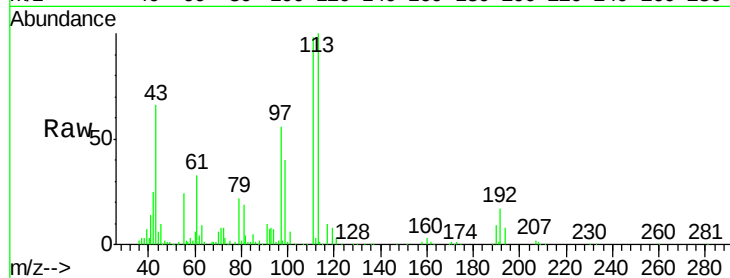
Tgt Ion: 43 Resp: 154458

Ion Ratio Lower Upper

43 100

61 50.5 49.4 74.2

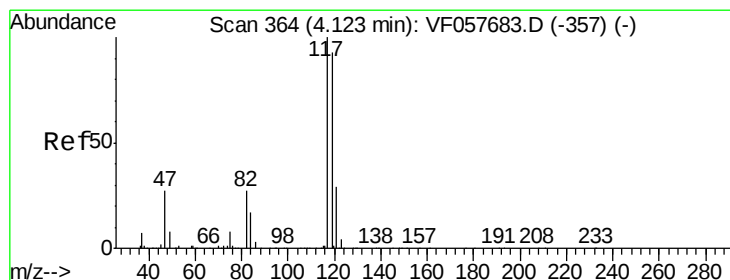
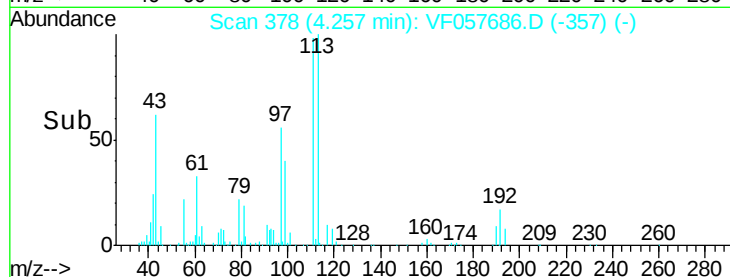
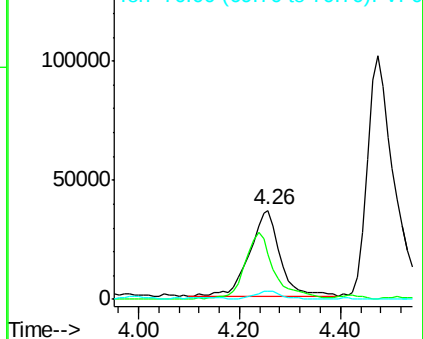
70 9.6 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 54.29 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

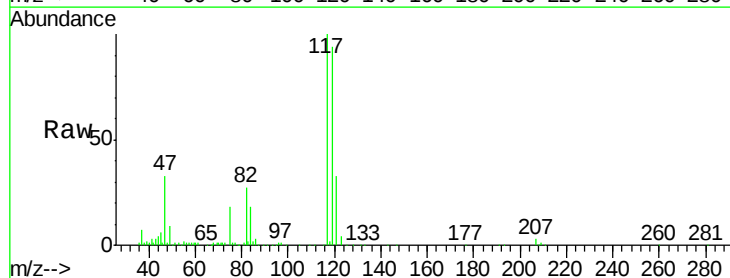
Tgt Ion: 117 Resp: 252221

Ion Ratio Lower Upper

117 100

119 94.2 74.2 111.2

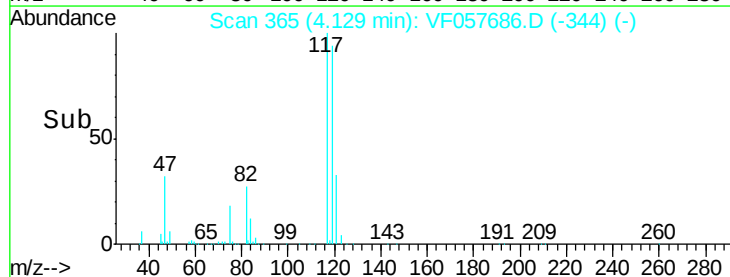
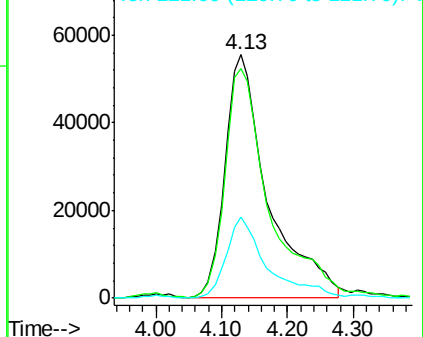
121 33.1 23.5 35.3

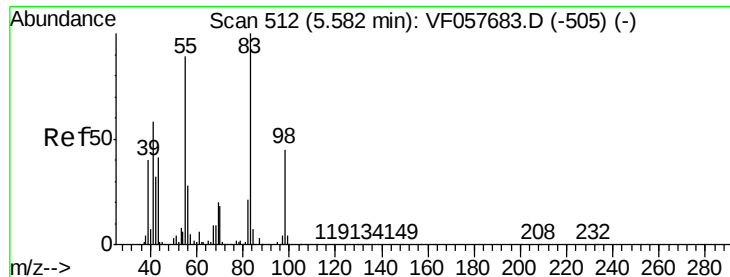


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#39

Methylcyclohexane

Concen: 54.28 ug/l

RT: 5.59 min Scan# 513

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

ClientSampled :

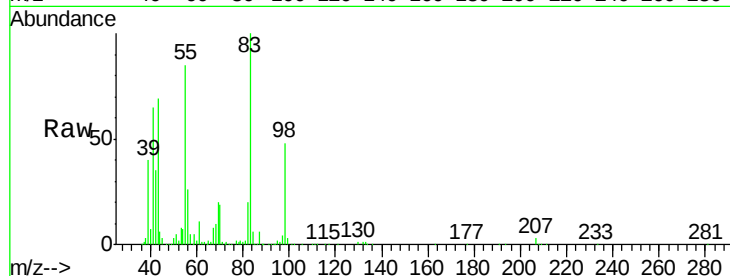
Tgt Ion: 83 Resp: 250043

Ion Ratio Lower Upper

83 100

55 85.4 71.8 107.8

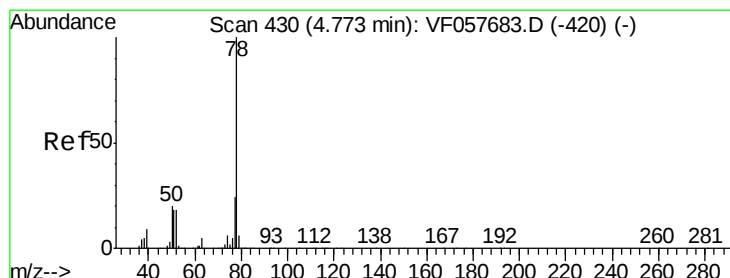
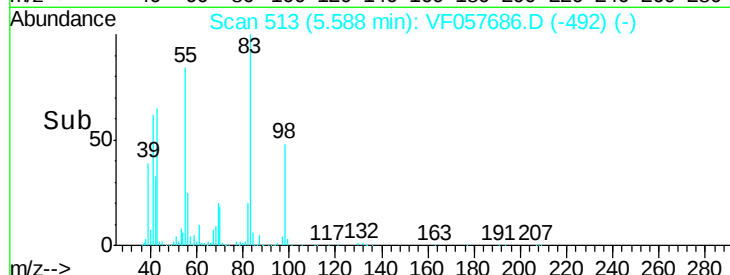
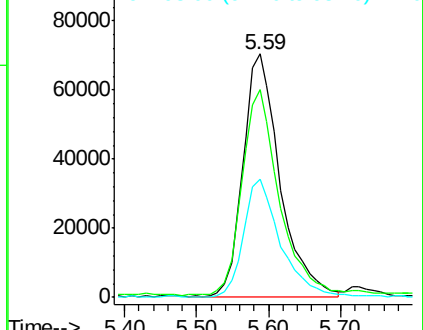
98 48.4 36.6 54.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 51.05 ug/l

RT: 4.77 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF057686.D

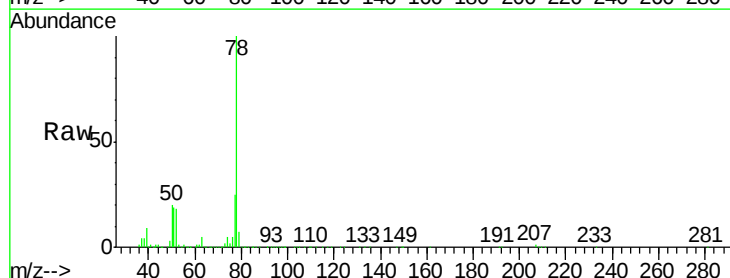
Acq: 9 May 2018 17:30

Tgt Ion: 78 Resp: 543661

Ion Ratio Lower Upper

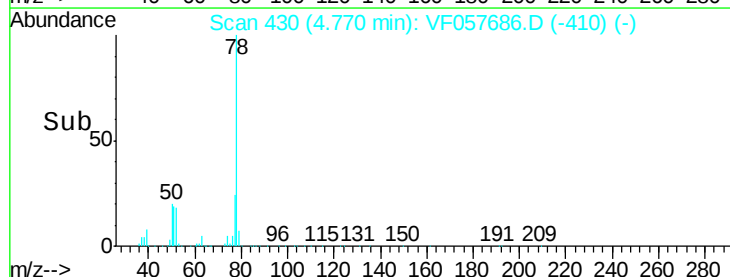
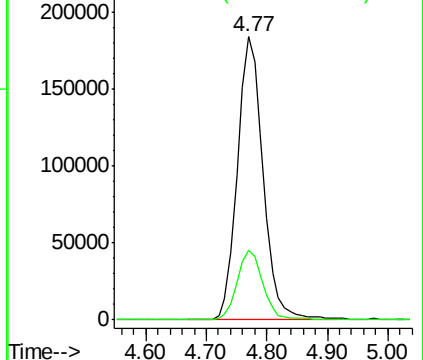
78 100

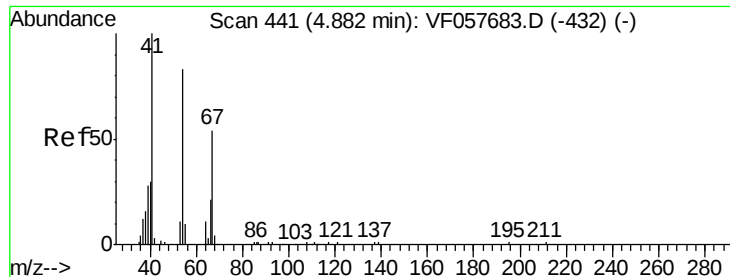
77 24.6 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 49.11 ug/l

RT: 4.89 min Scan# 442

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 41 Resp: 72550

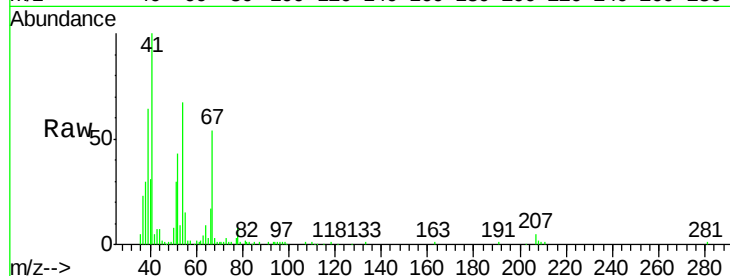
Ion Ratio Lower Upper

41 100

39 63.6 49.0 73.4

67 53.9 41.3 61.9

52 42.9 35.4 53.0

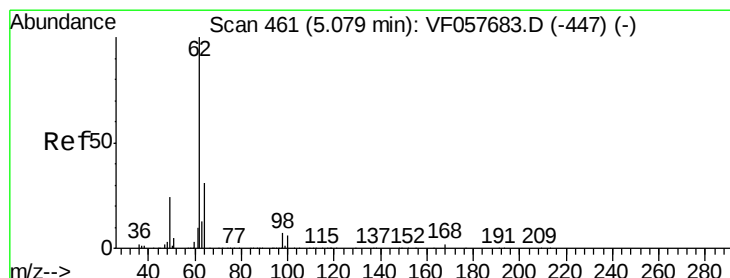
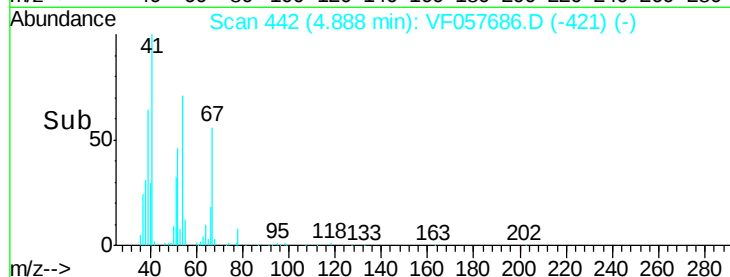
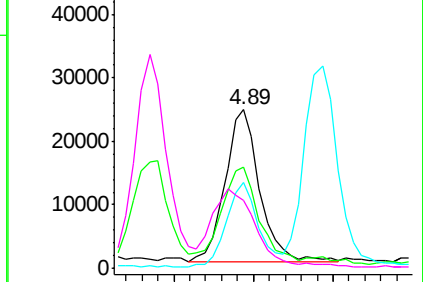


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 48.72 ug/l

RT: 5.08 min Scan# 462

Delta R.T. 0.01 min

Lab File: VF057686.D

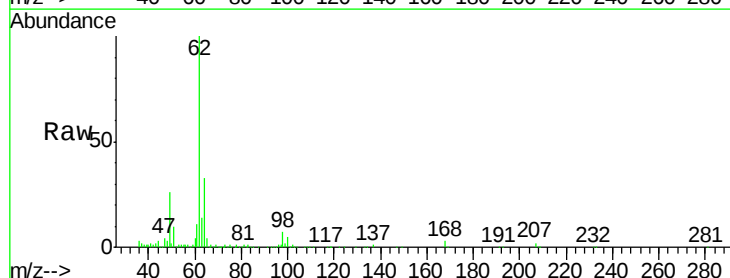
Acq: 9 May 2018 17:30

Tgt Ion: 62 Resp: 218843

Ion Ratio Lower Upper

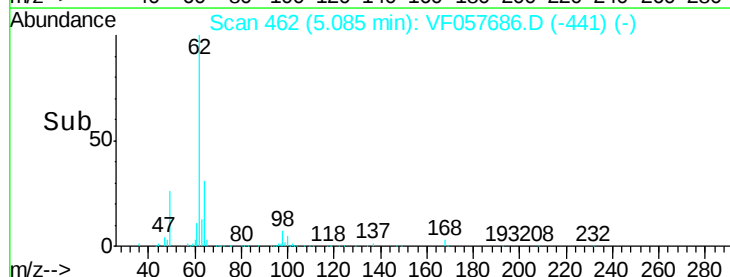
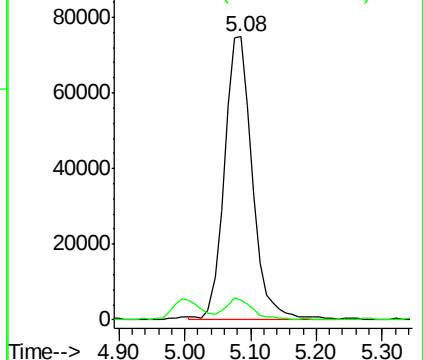
62 100

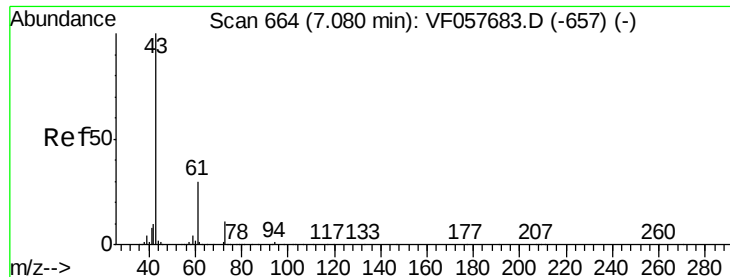
98 7.1 0.0 14.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 51.65 ug/l

RT: 7.08 min Scan# 664

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

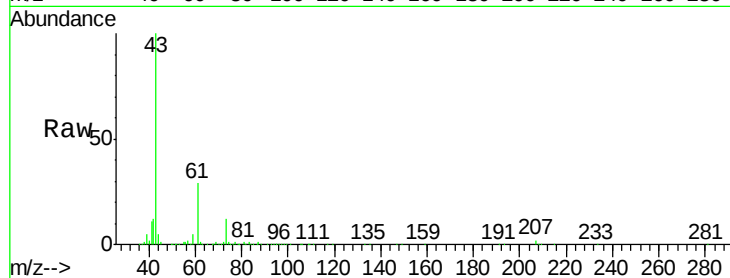
Tgt Ion: 43 Resp: 213633

Ion Ratio Lower Upper

43 100

61 28.7 23.8 35.6

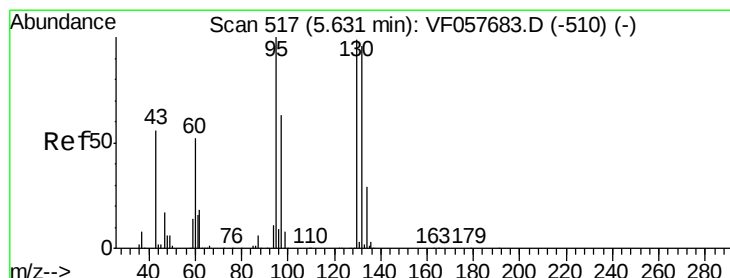
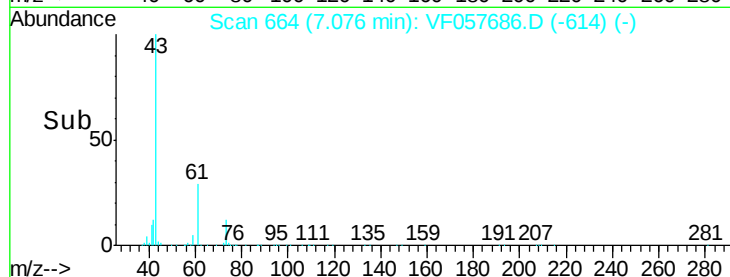
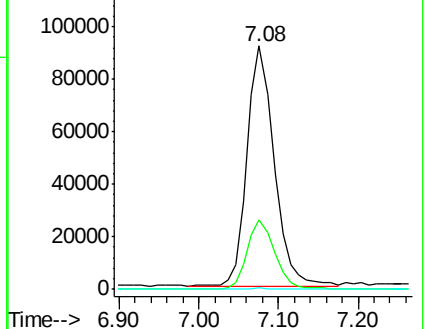
87 0.5 0.3 0.5#



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: 50.97 ug/l

RT: 5.64 min Scan# 518

Delta R.T. 0.01 min

Lab File: VF057686.D

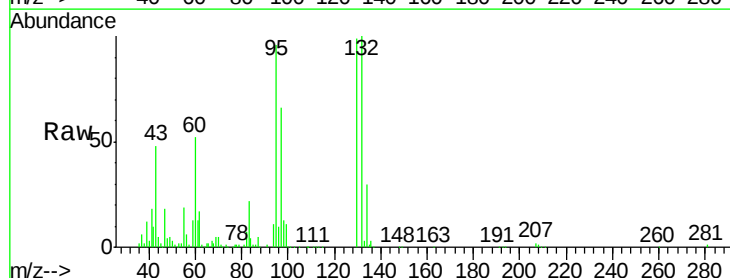
Acq: 9 May 2018 17:30

Tgt Ion: 130 Resp: 170381

Ion Ratio Lower Upper

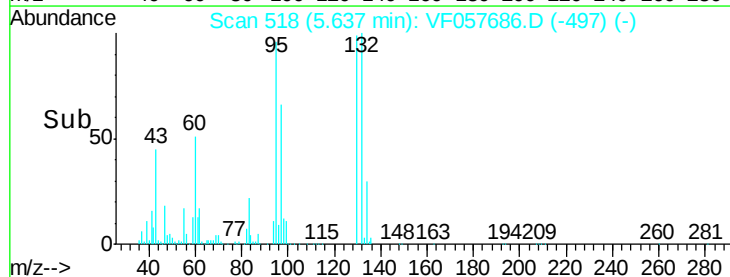
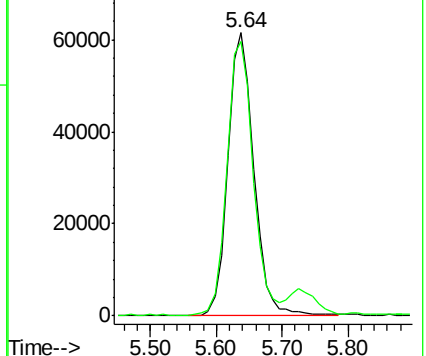
130 100

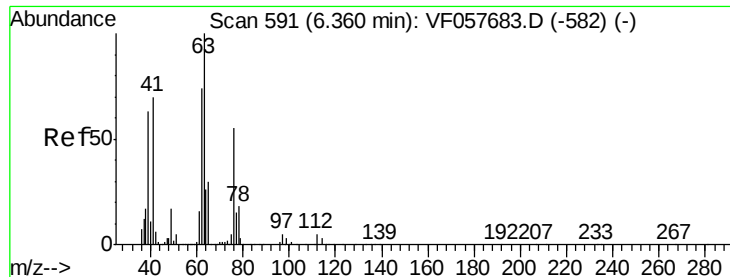
95 97.2 0.0 202.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

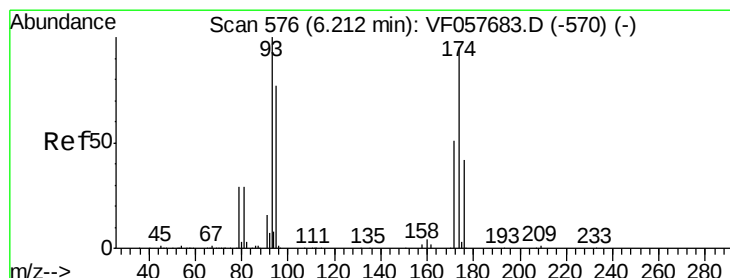
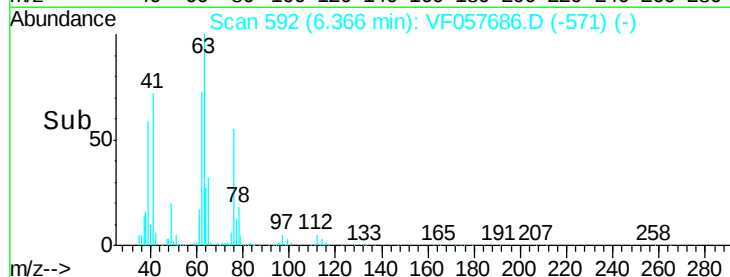
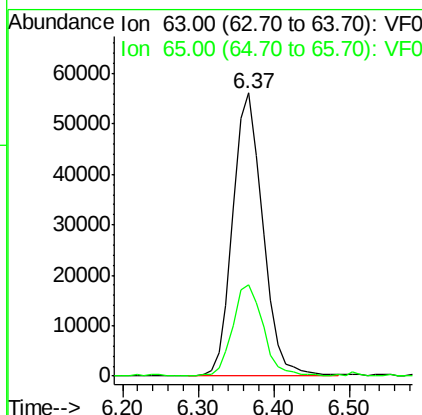
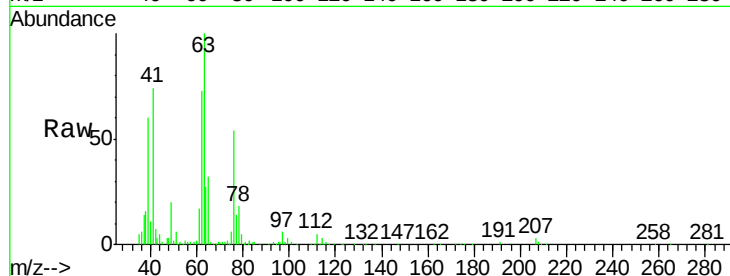




#45
 1,2-Dichloropropane
 Concen: 50.64 ug/l
 RT: 6.37 min Scan# 592
 Delta R.T. 0.01 min
 Lab File: VF057686.D
 Acq: 9 May 2018 17:30

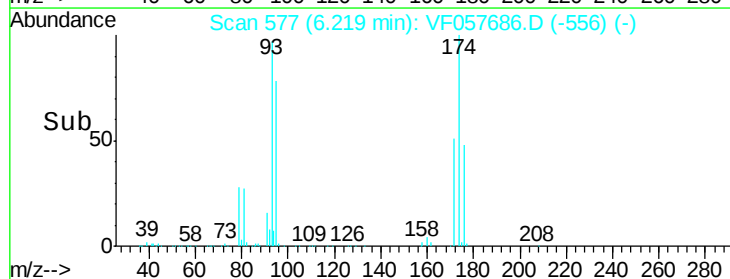
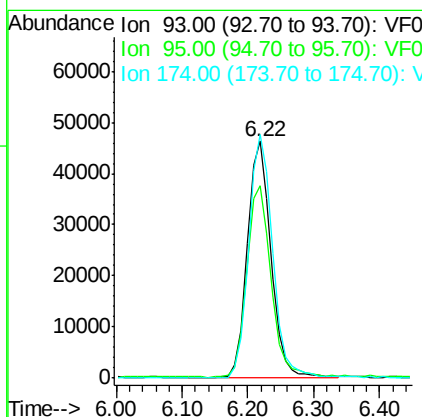
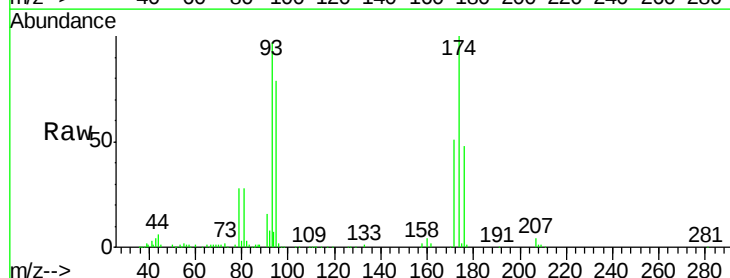
Instrument :
 MSVOA_X
 ClientSampleId :

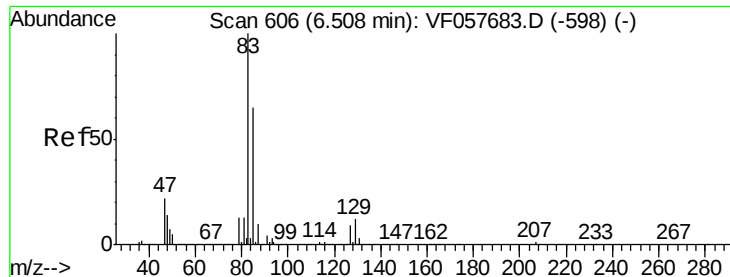
Tgt Ion: 63 Resp: 154690
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.6 36.8



#46
 Dibromomethane
 Concen: 50.35 ug/l
 RT: 6.22 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VF057686.D
 Acq: 9 May 2018 17:30

Tgt Ion: 93 Resp: 118207
 Ion Ratio Lower Upper
 93 100
 95 81.2 62.0 93.0
 174 102.7 75.5 113.3





#47

Bromodichloromethane

Concen: 49.24 ug/l

RT: 6.51 min Scan# 607

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

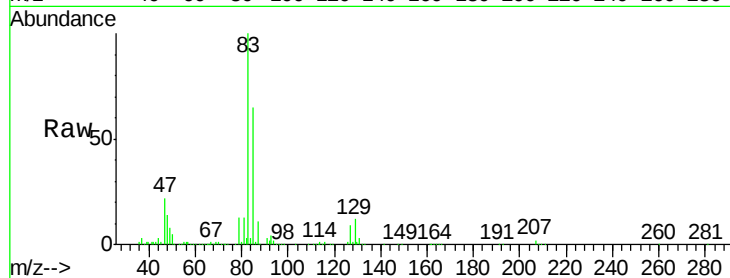
Tgt Ion: 83 Resp: 258147

Ion Ratio Lower Upper

83 100

85 65.1 51.9 77.9

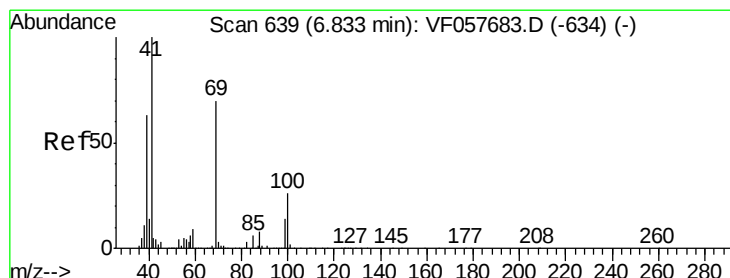
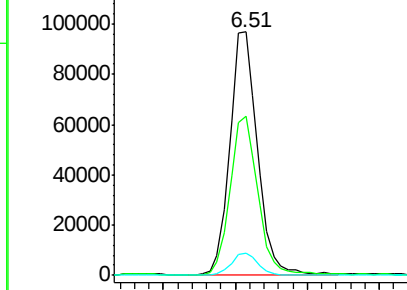
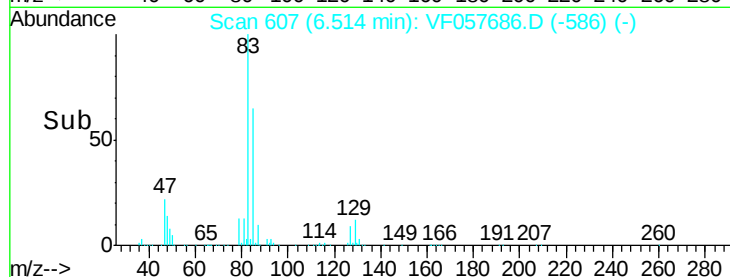
127 9.2 6.8 10.2



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: 51.39 ug/l

RT: 6.84 min Scan# 640

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

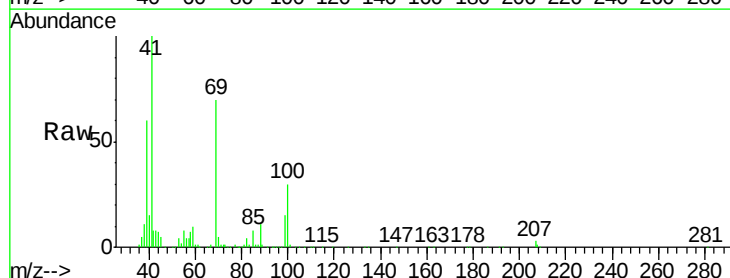
Tgt Ion: 41 Resp: 140169

Ion Ratio Lower Upper

41 100

69 69.8 55.2 82.8

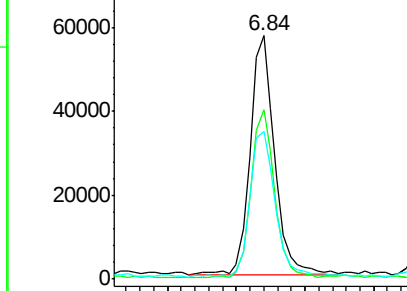
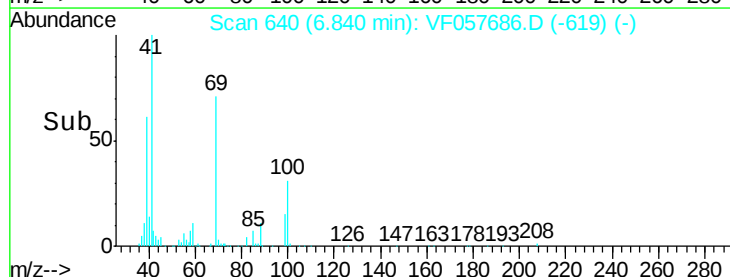
39 60.4 50.7 76.1

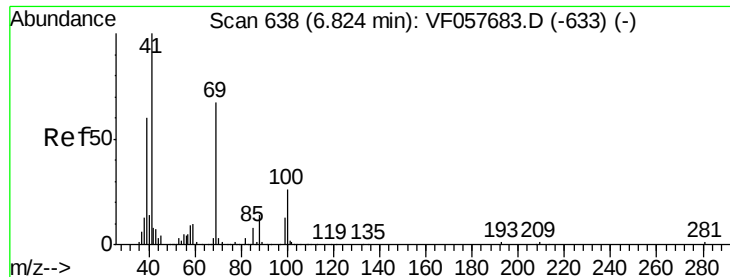


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

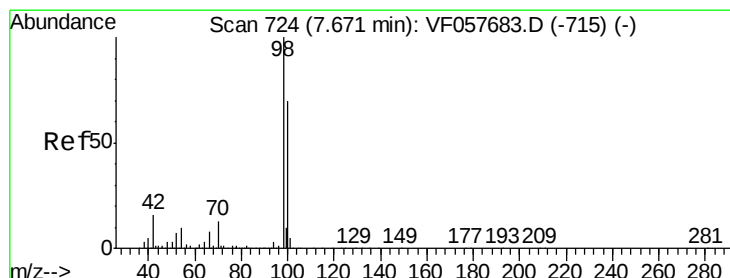
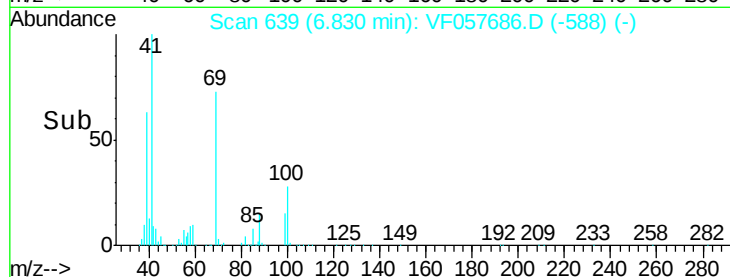
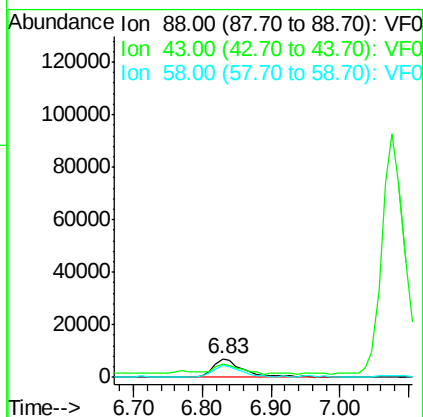
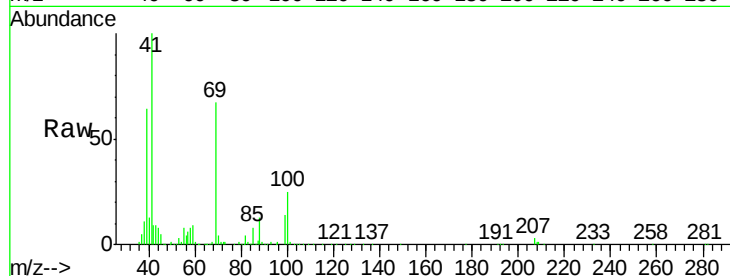




#49
 1,4-Dioxane
 Concen: 1132.15 ug/l
 RT: 6.83 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: VF057686.D
 Acq: 9 May 2018 17:30

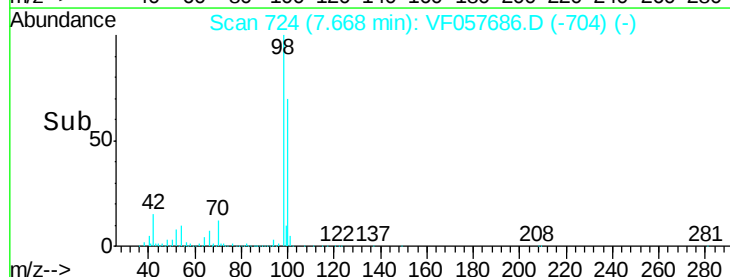
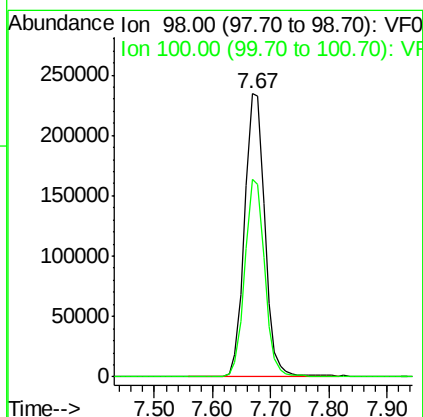
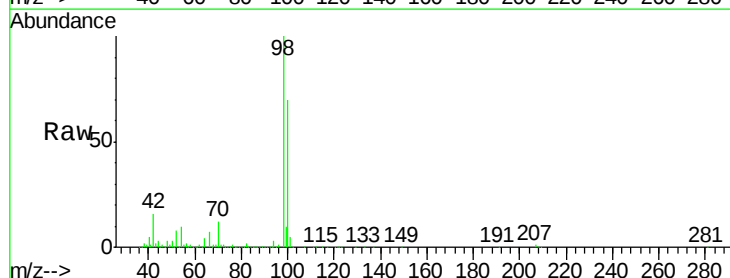
Instrument :
 MSVOA_X
 ClientSampleId :

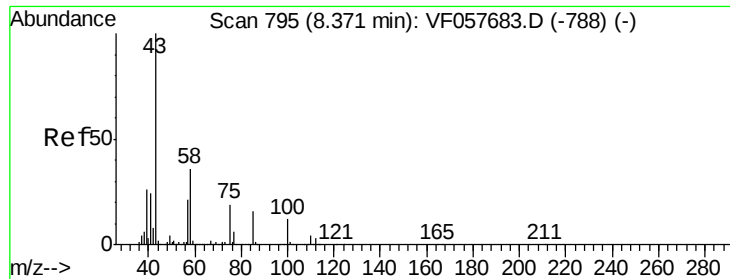
Tgt Ion: 88 Resp: 21305
 Ion Ratio Lower Upper
 88 100
 43 70.7 83.2 124.8#
 58 63.6 56.6 85.0



#50
 Toluene-d8
 Concen: 53.03 ug/l
 RT: 7.67 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VF057686.D
 Acq: 9 May 2018 17:30

Tgt Ion: 98 Resp: 570142
 Ion Ratio Lower Upper
 98 100
 100 69.7 55.8 83.6

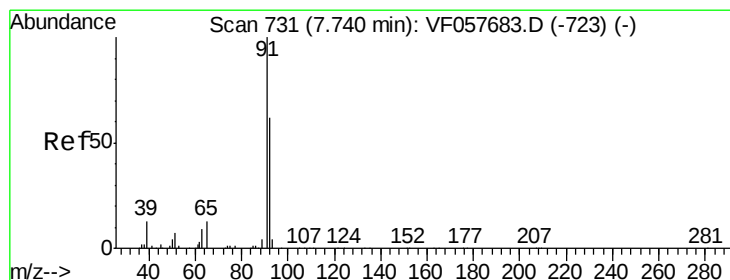
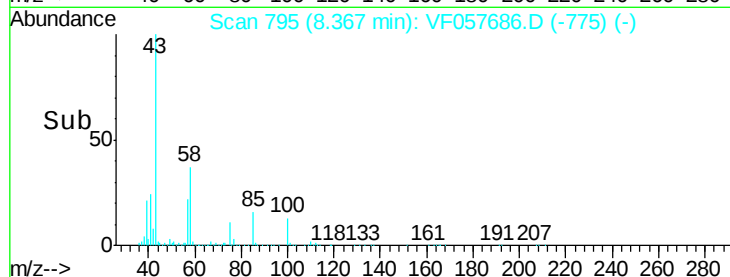
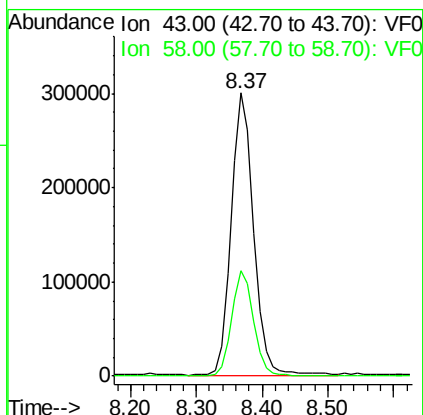
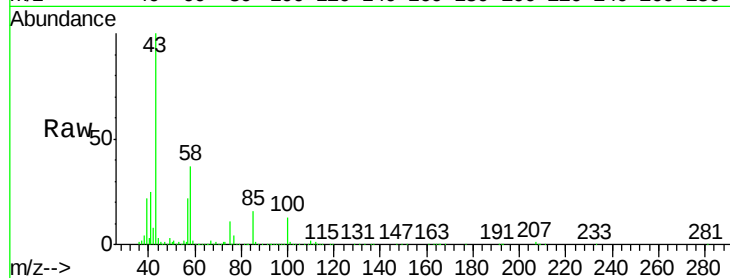




#51
 4-Methyl-2-Pentanone
 Concen: 281.79 ug/l
 RT: 8.37 min Scan# 795
 Delta R.T. -0.00 min
 Lab File: VF057686.D
 Acq: 9 May 2018 17:30

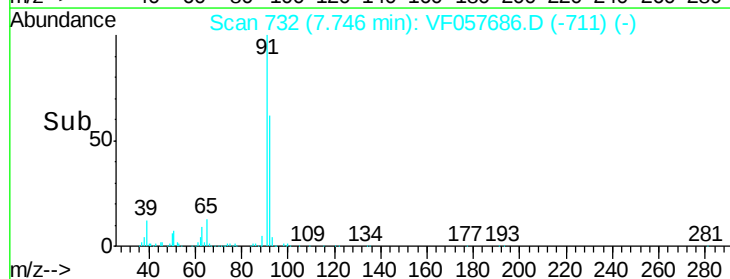
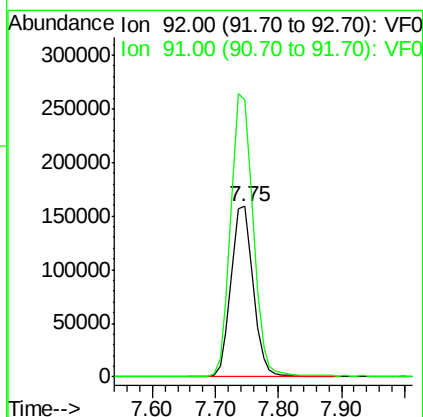
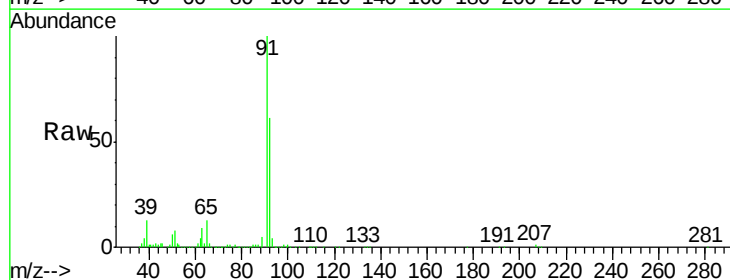
Instrument :
 MSVOA_X
 ClientSampleId :

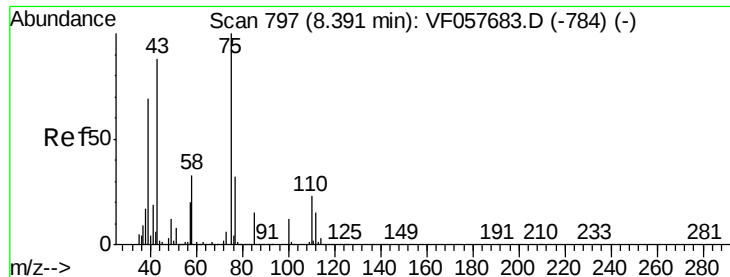
Tgt Ion: 43 Resp: 713749
 Ion Ratio Lower Upper
 43 100
 58 37.1 28.3 42.5



#52
 Toluene
 Concen: 50.55 ug/l
 RT: 7.75 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VF057686.D
 Acq: 9 May 2018 17:30

Tgt Ion: 92 Resp: 387176
 Ion Ratio Lower Upper
 92 100
 91 162.6 130.2 195.4





#53

t-1,3-Dichloropropene

Concen: 49.20 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

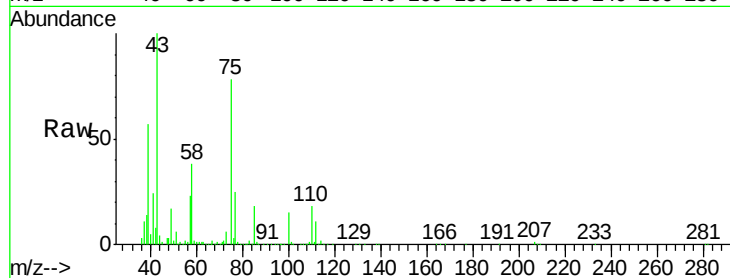
ClientSampled :

Tgt Ion: 75 Resp: 258973

Ion Ratio Lower Upper

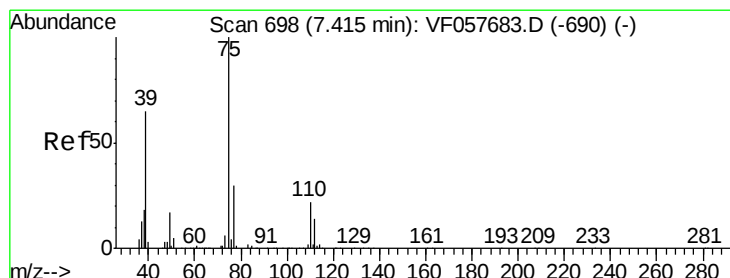
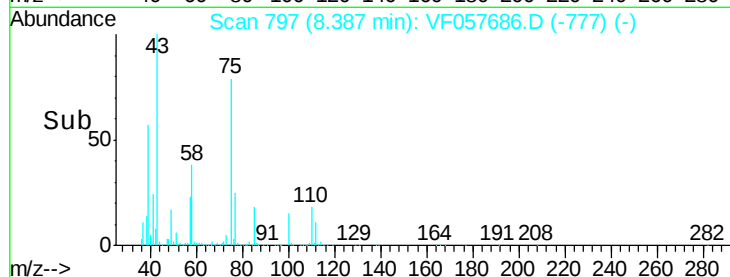
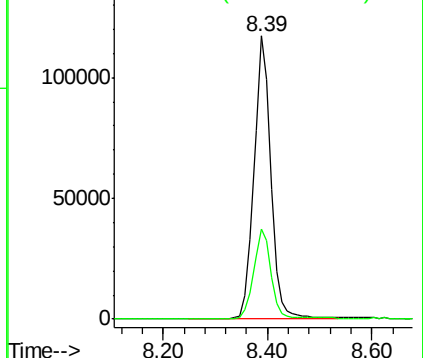
75 100

77 31.6 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 51.08 ug/l

RT: 7.42 min Scan# 699

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

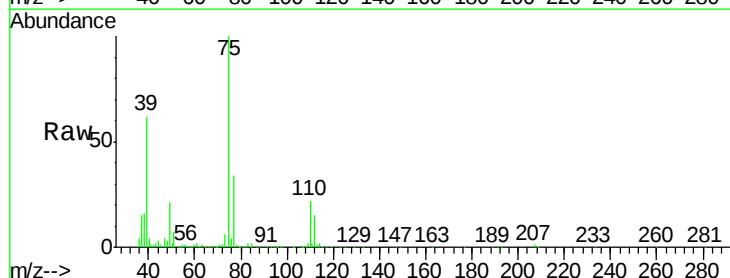
Tgt Ion: 75 Resp: 295745

Ion Ratio Lower Upper

75 100

77 33.6 24.6 36.8

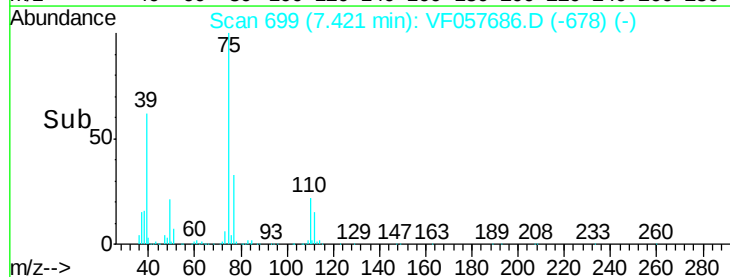
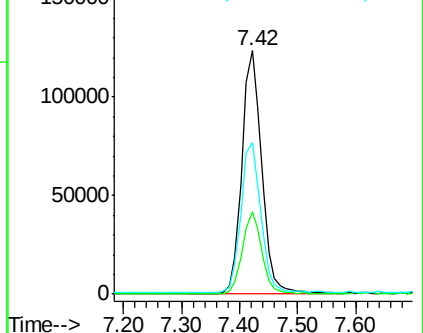
39 62.4 53.0 79.4

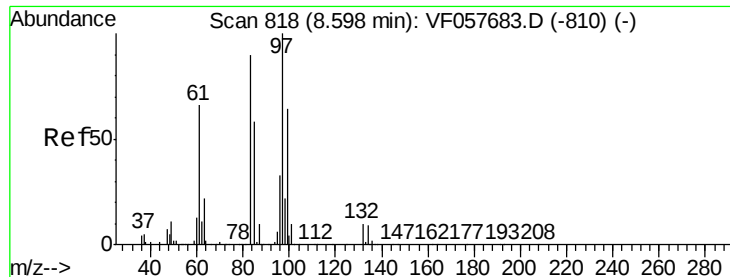


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 50.21 ug/l

RT: 8.60 min Scan# 819

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 97 Resp: 145480

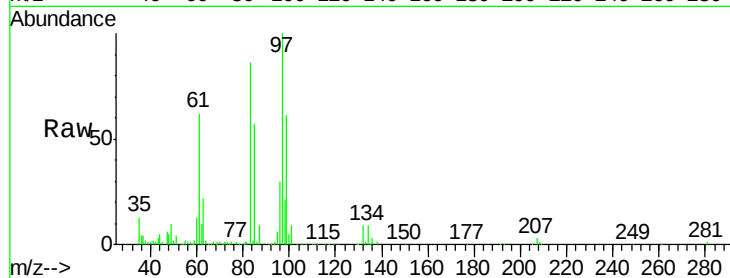
Ion Ratio Lower Upper

97 100

83 86.3 73.0 109.4

85 57.0 47.5 71.3

99 61.4 51.5 77.3

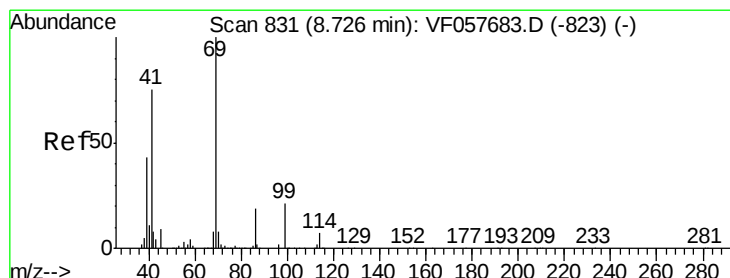
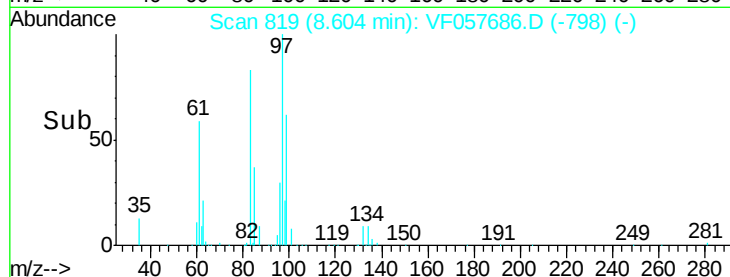
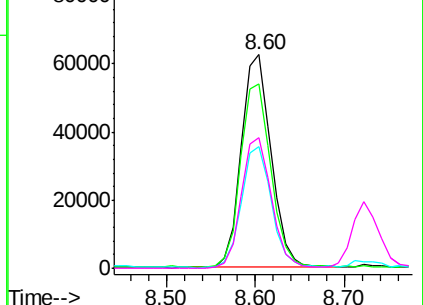


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 49.72 ug/l

RT: 8.72 min Scan# 831

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

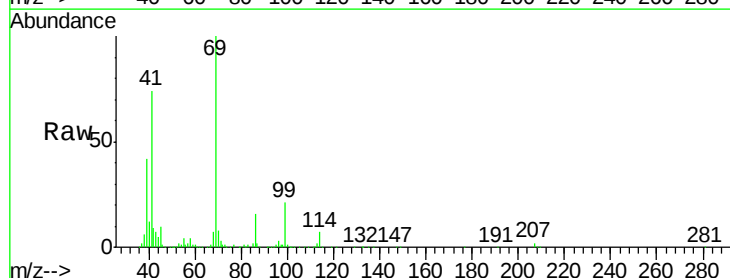
Tgt Ion: 69 Resp: 199135

Ion Ratio Lower Upper

69 100

41 73.7 61.1 91.7

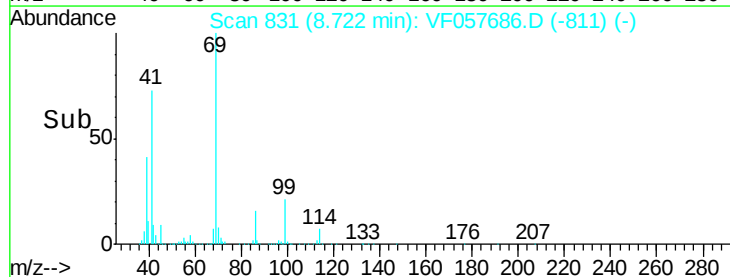
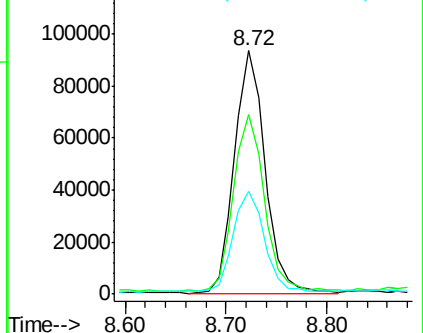
39 42.0 35.3 52.9

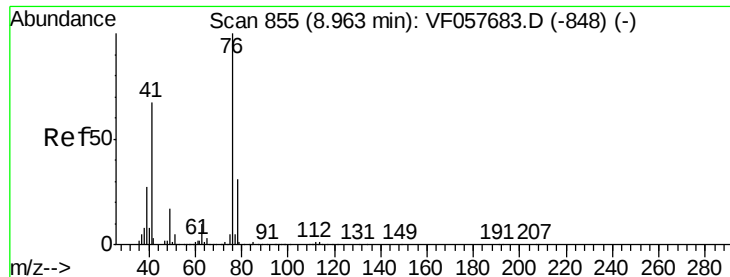


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 49.02 ug/l

RT: 8.96 min Scan# 855

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

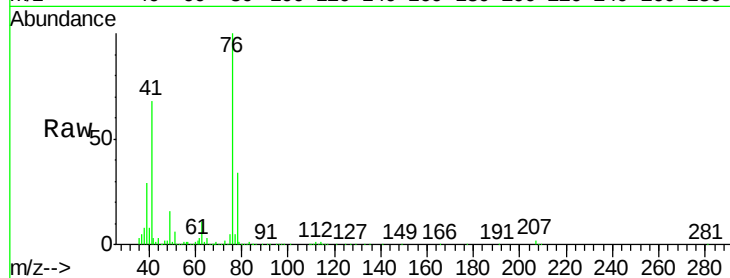
ClientSampleId :

Tgt Ion: 76 Resp: 245603

Ion Ratio Lower Upper

76 100

78 33.8 25.0 37.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.96

120000

100000

80000

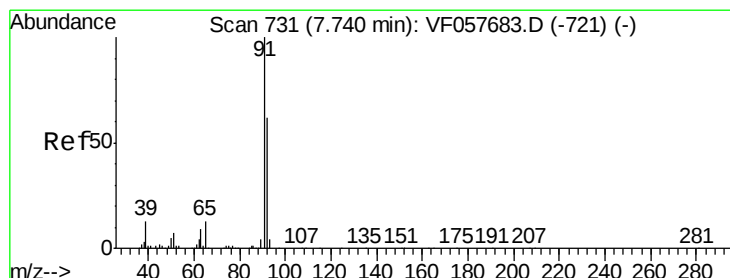
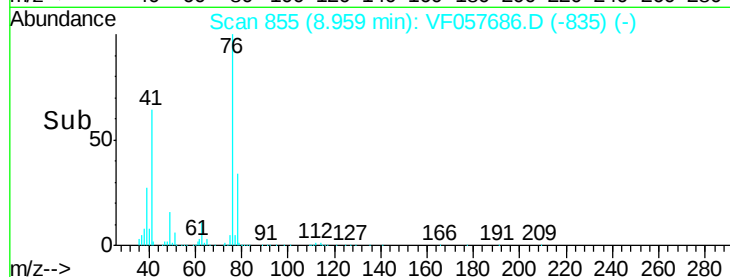
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 106.82 ug/l

RT: 7.74 min Scan# 731

Delta R.T. -0.00 min

Lab File: VF057686.D

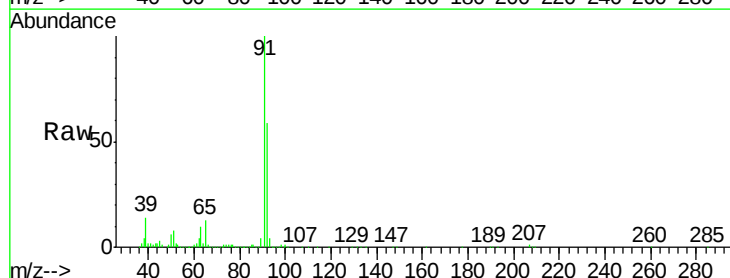
Acq: 9 May 2018 17:30

Tgt Ion: 63 Resp: 59666

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.74

30000

25000

20000

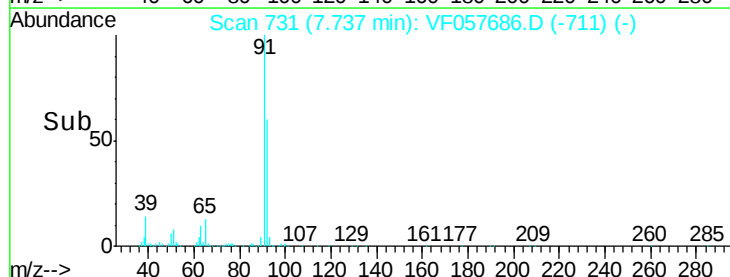
15000

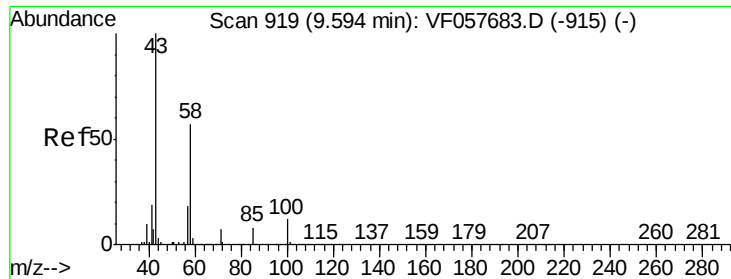
10000

5000

0

Time-->

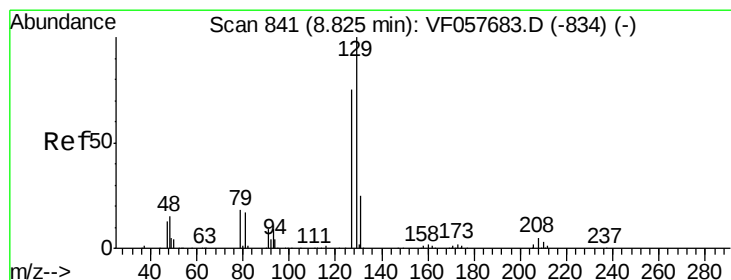
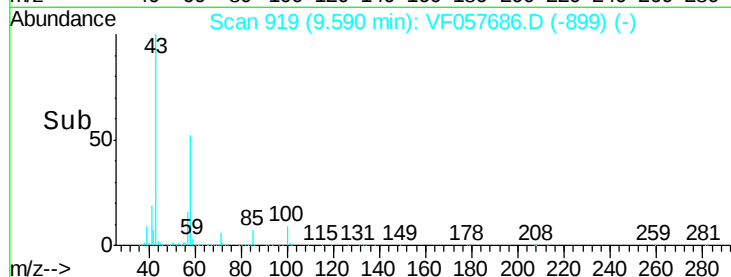
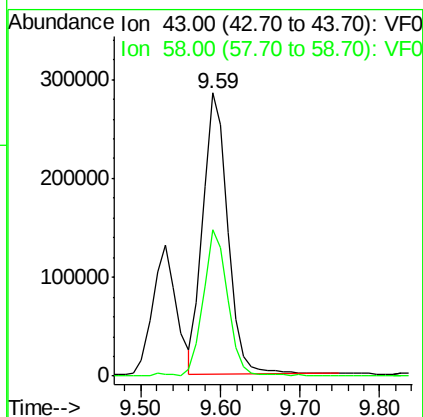
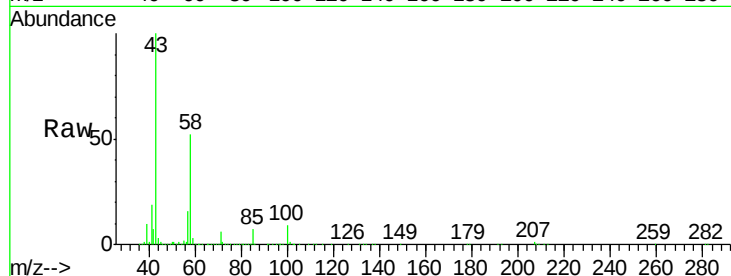




#59
2-Hexanone
Concen: 287.70 ug/l
RT: 9.59 min Scan# 919
Delta R.T. -0.00 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

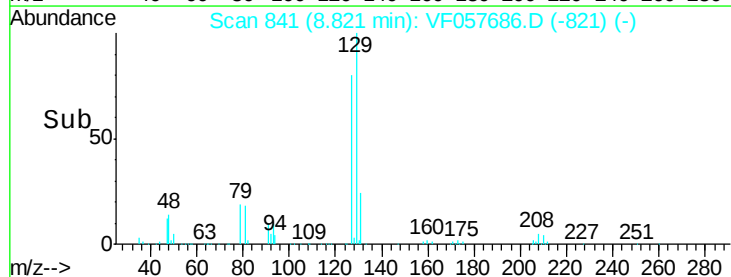
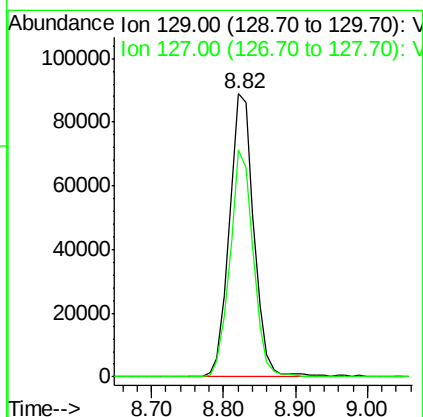
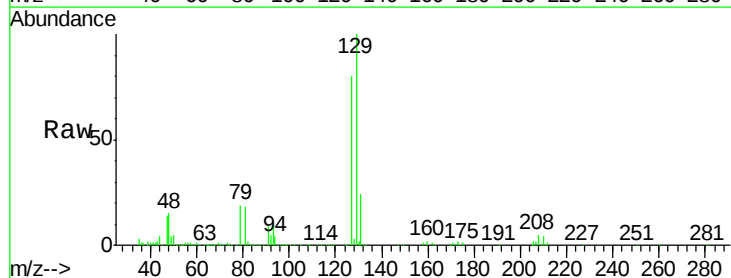
Instrument :
MSVOA_X
ClientSampleId :

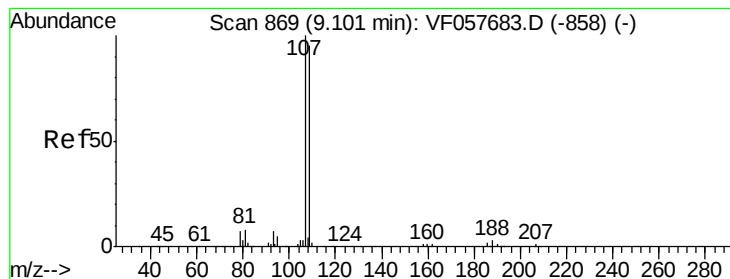
Tgt Ion: 43 Resp: 613723
Ion Ratio Lower Upper
43 100
58 51.7 25.4 76.4



#60
Dibromochloromethane
Concen: 48.27 ug/l
RT: 8.82 min Scan# 841
Delta R.T. -0.00 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

Tgt Ion: 129 Resp: 209912
Ion Ratio Lower Upper
129 100
127 80.0 37.3 111.9





#61

1,2-Dibromoethane

Concen: 49.93 ug/l

RT: 9.10 min Scan# 869

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

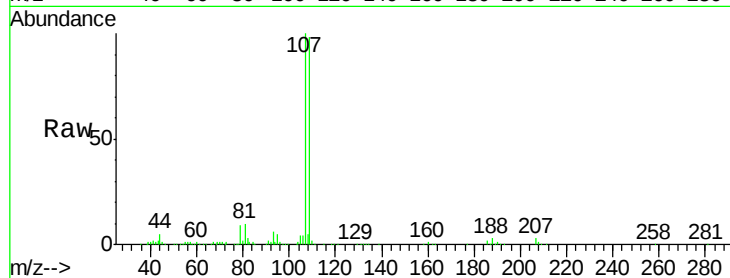
ClientSampleId :

Tgt Ion: 107 Resp: 169955

Ion Ratio Lower Upper

107 100

109 97.7 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.10

80000

60000

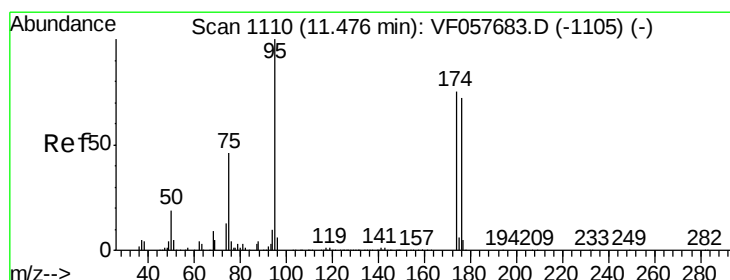
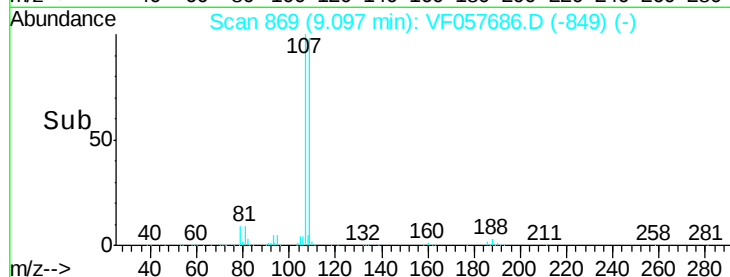
40000

20000

0

Time-->

9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 51.82 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

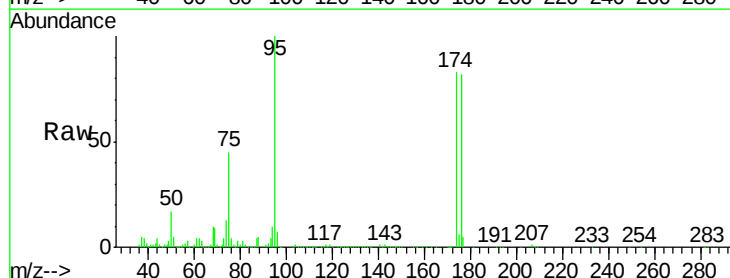
Tgt Ion: 95 Resp: 281143

Ion Ratio Lower Upper

95 100

174 83.5 0.0 149.8

176 81.6 0.0 143.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.48

200000

150000

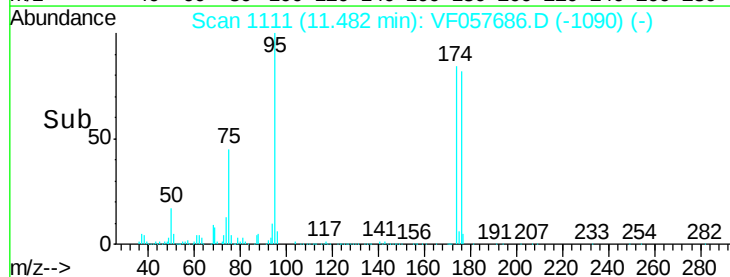
100000

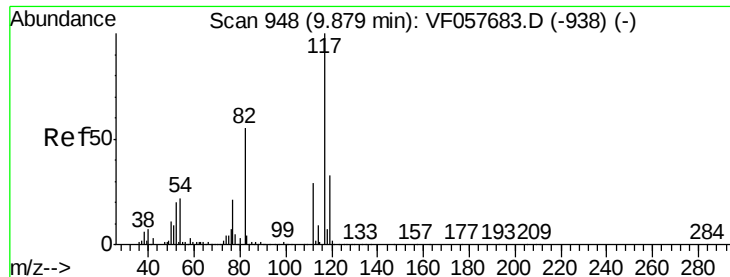
50000

0

Time-->

11.40 11.50 11.60 11.70

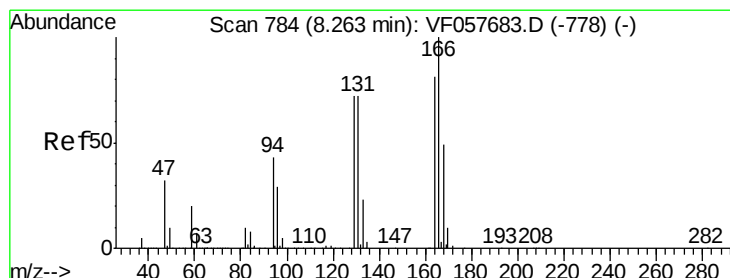
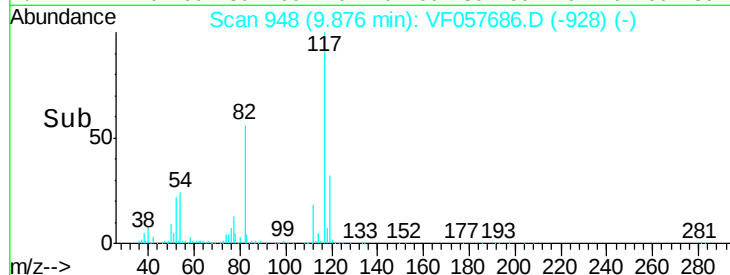
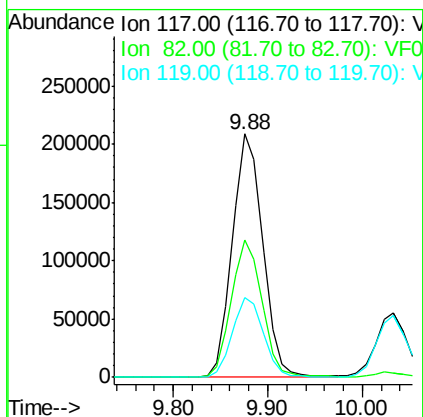
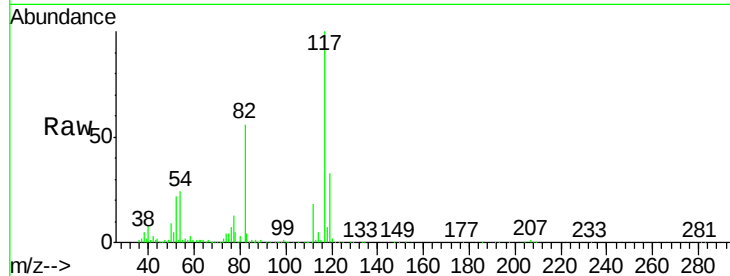




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.88 min Scan# 948
Delta R.T. -0.00 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

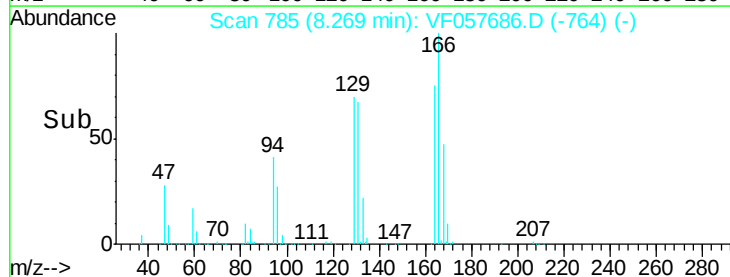
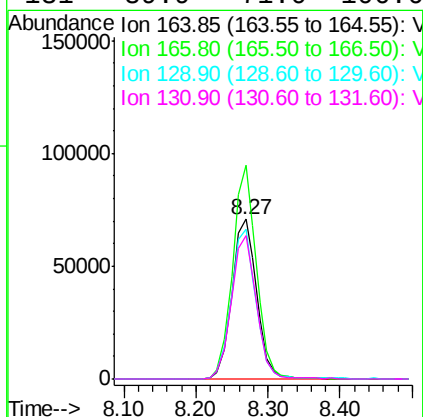
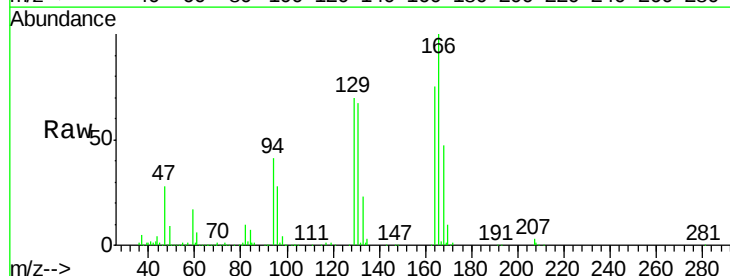
Instrument :
MSVOA_X
ClientSampled :

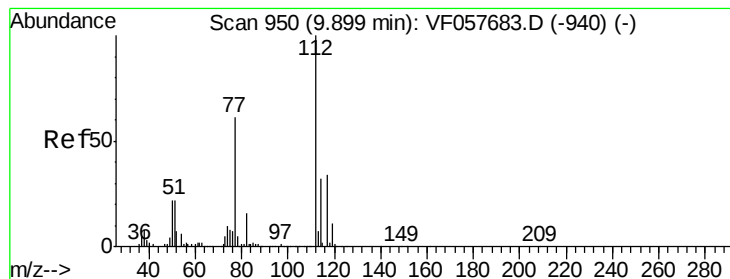
Tgt Ion:117 Resp: 468106
Ion Ratio Lower Upper
117 100
82 56.2 44.6 66.8
119 32.5 26.6 39.8



#64
Tetrachloroethene
Concen: 54.60 ug/l
RT: 8.27 min Scan# 785
Delta R.T. 0.01 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

Tgt Ion:164 Resp: 169567
Ion Ratio Lower Upper
164 100
166 133.7 99.4 149.0
129 93.9 72.1 108.1
131 89.9 71.0 106.6





#65

Chlorobenzene

Concen: 53.09 ug/l

RT: 9.91 min Scan# 951

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

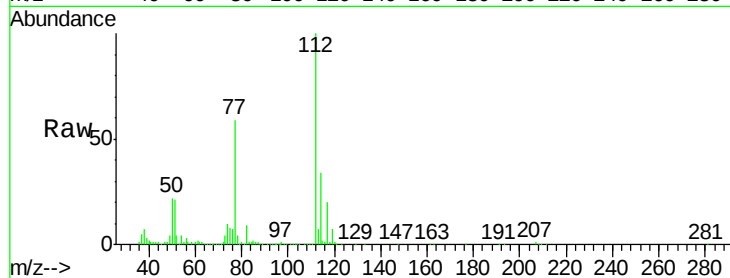
ClientSampleId :

Tgt Ion:112 Resp: 470752

Ion Ratio Lower Upper

112 100

114 33.6 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

250000

200000

150000

100000

50000

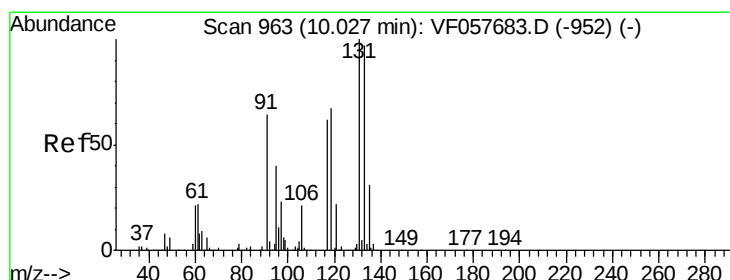
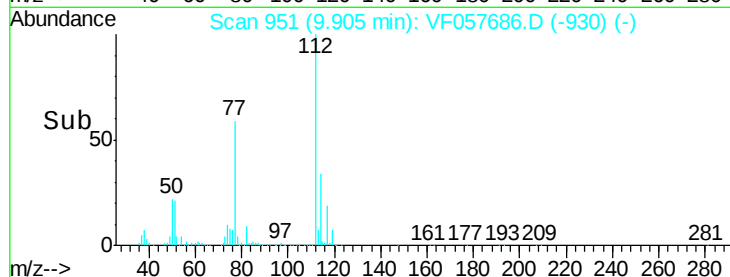
0

9.80

9.91

10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.37 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

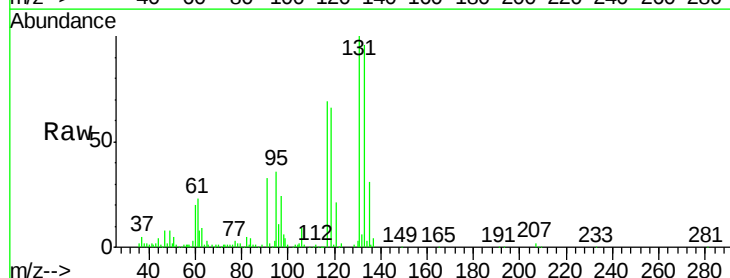
Tgt Ion:131 Resp: 172044

Ion Ratio Lower Upper

131 100

133 96.3 48.4 145.3

119 66.1 35.3 105.9



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

100000

80000

60000

40000

20000

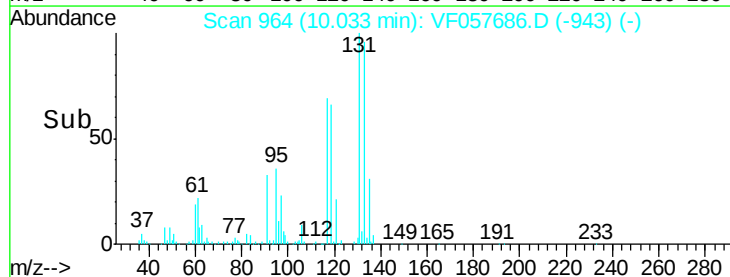
0

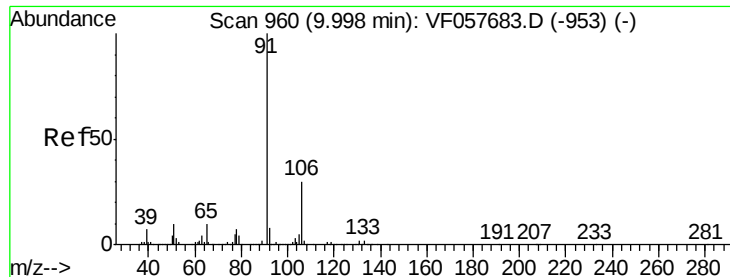
9.90

10.03

10.10

Time-->





#67

Ethyl Benzene

Concen: 51.52 ug/l

RT: 10.00 min Scan# 961

Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

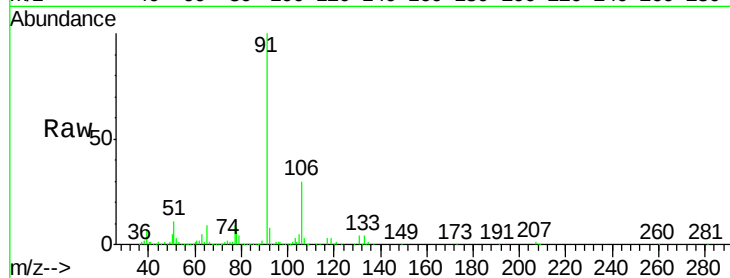
ClientSampleId :

Tgt Ion: 91 Resp: 796133

Ion Ratio Lower Upper

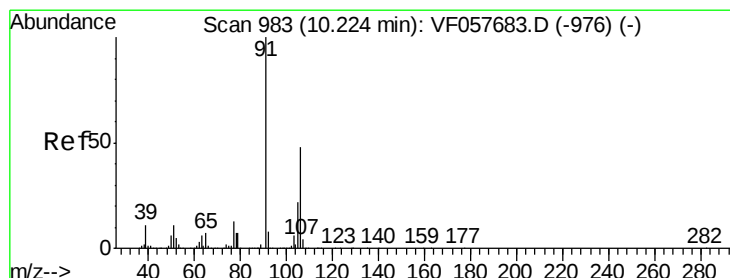
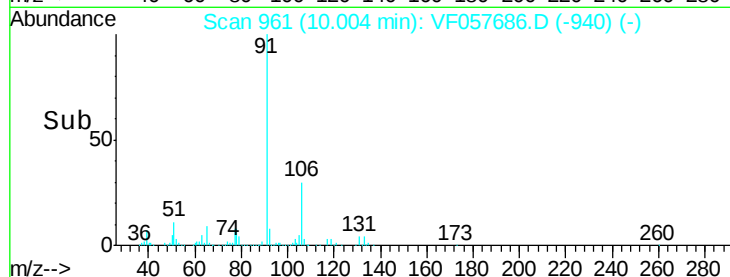
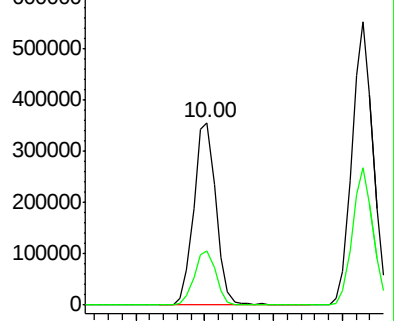
91 100

106 29.7 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 102.17 ug/l

RT: 10.23 min Scan# 984

Delta R.T. 0.01 min

Lab File: VF057686.D

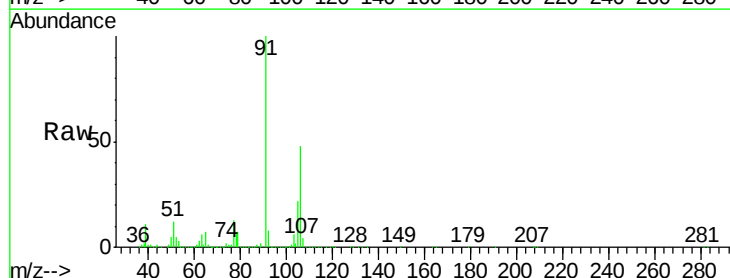
Acq: 9 May 2018 17:30

Tgt Ion: 106 Resp: 568202

Ion Ratio Lower Upper

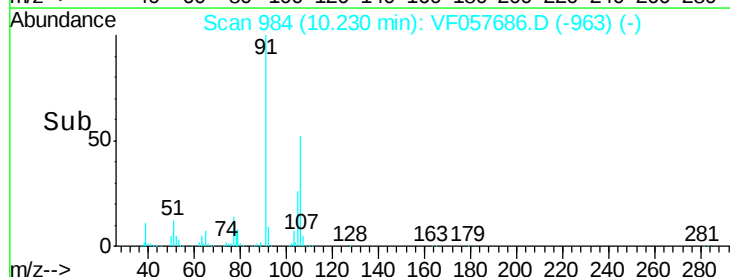
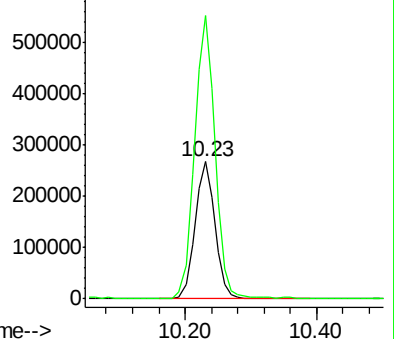
106 100

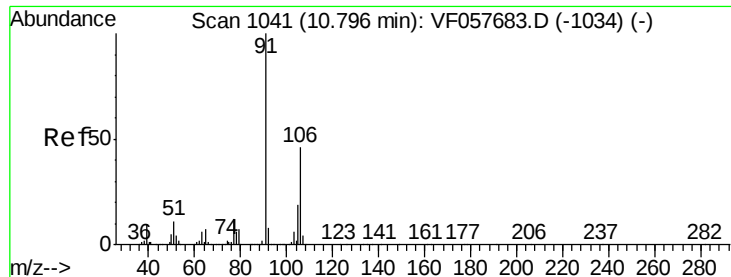
91 206.7 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

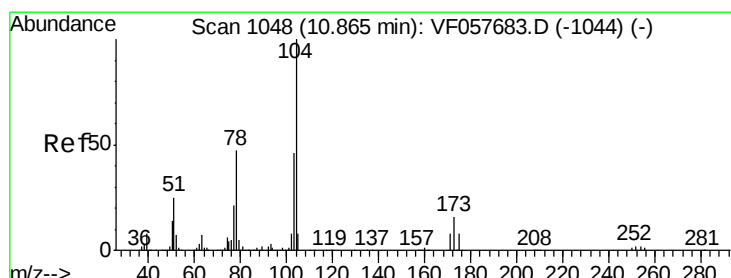
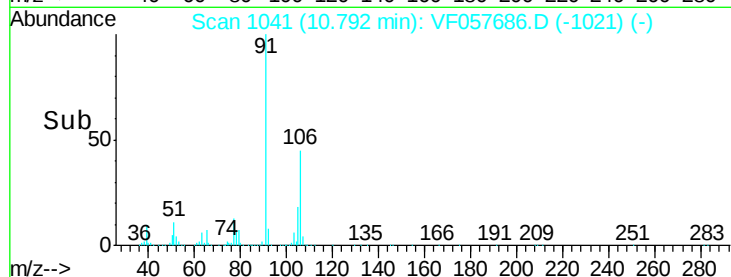
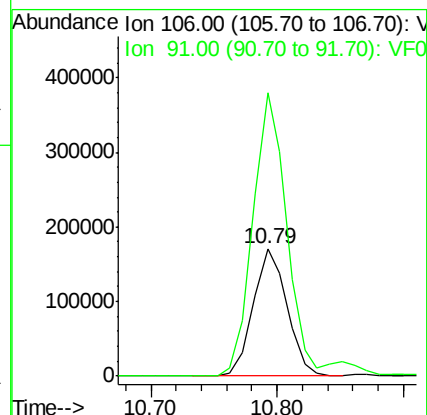
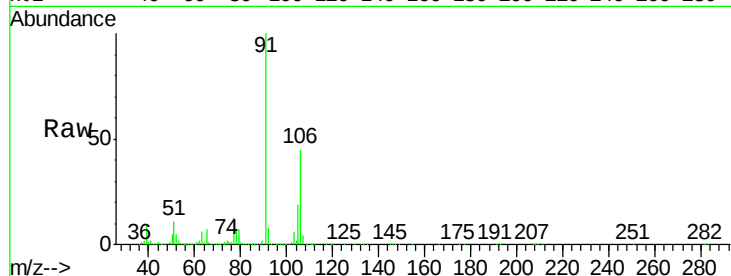




#69
o-Xylene
Concen: 51.38 ug/l
RT: 10.79 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

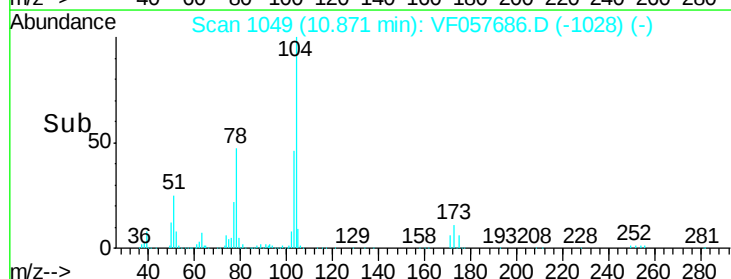
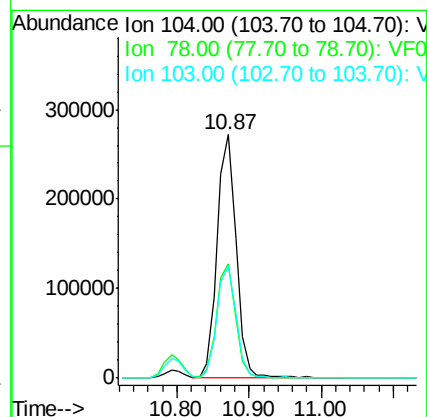
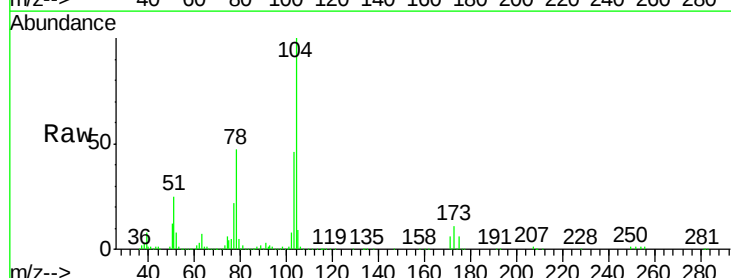
Instrument :
MSVOA_X
ClientSampled :

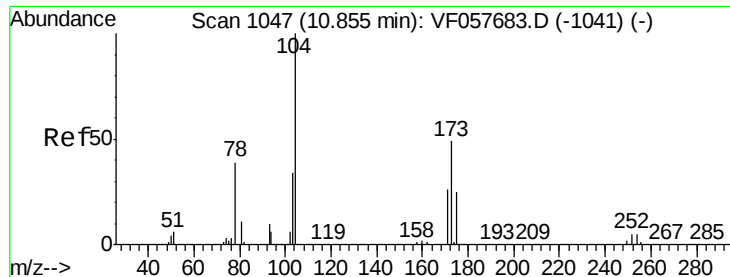
Tgt Ion:106 Resp: 317571
Ion Ratio Lower Upper
106 100
91 222.5 108.6 325.6



#70
Styrene
Concen: 50.53 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. 0.01 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

Tgt Ion:104 Resp: 490425
Ion Ratio Lower Upper
104 100
78 46.8 37.6 56.4
103 45.8 37.4 56.0





#71

Bromoform

Concen: 50.70 ug/l

RT: 10.85 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

ClientSampled :

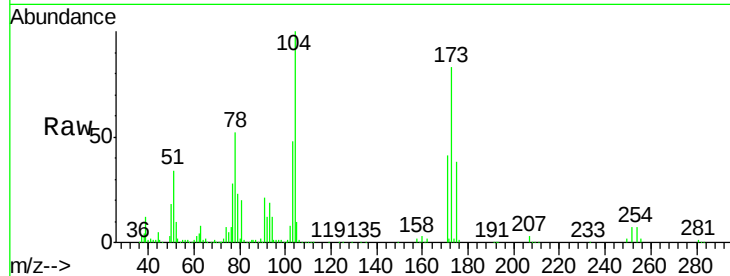
Tgt Ion:173 Resp: 139922

Ion Ratio Lower Upper

173 100

175 46.3 25.0 75.0

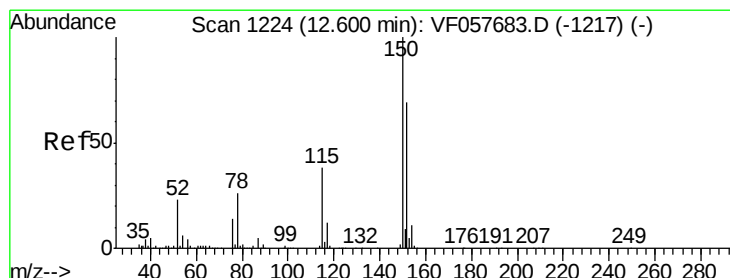
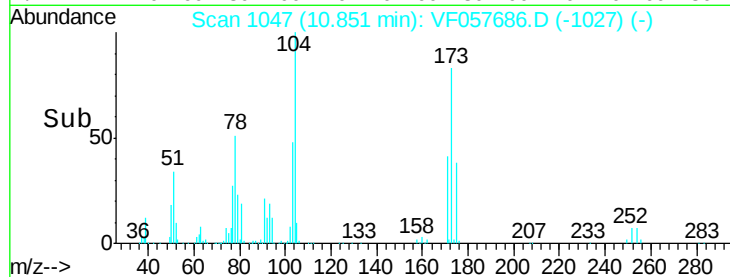
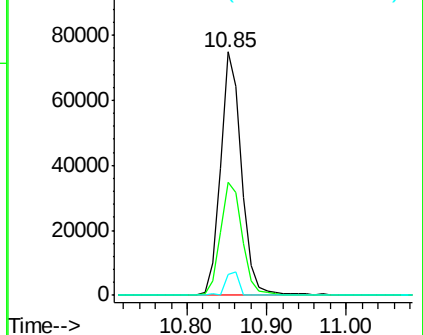
254 8.7 0.0 0.0#



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: 50.00 ug/l

RT: 12.60 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

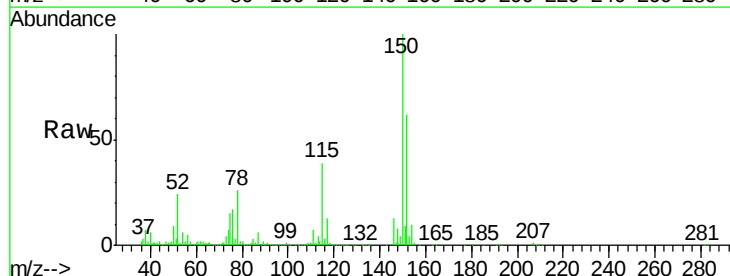
Tgt Ion:152 Resp: 258387

Ion Ratio Lower Upper

152 100

115 63.3 28.4 85.2

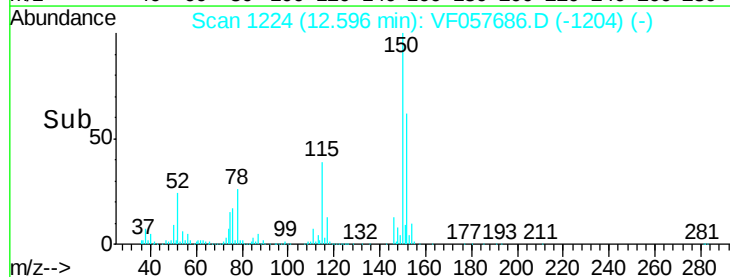
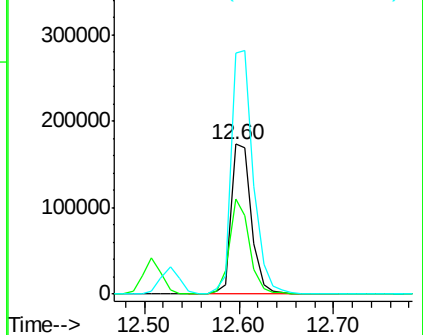
150 160.6 0.0 316.6

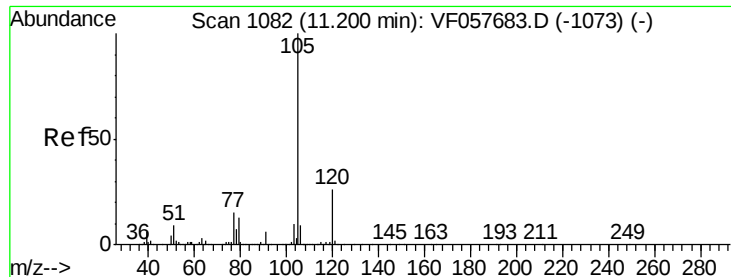


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 54.79 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

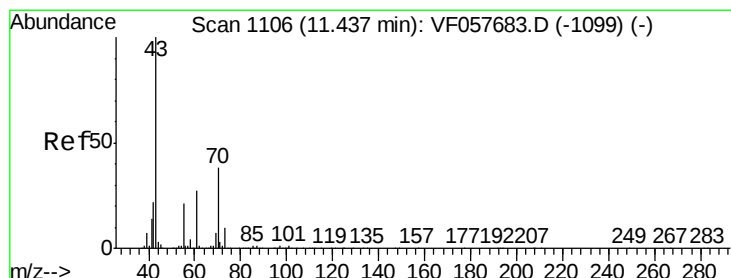
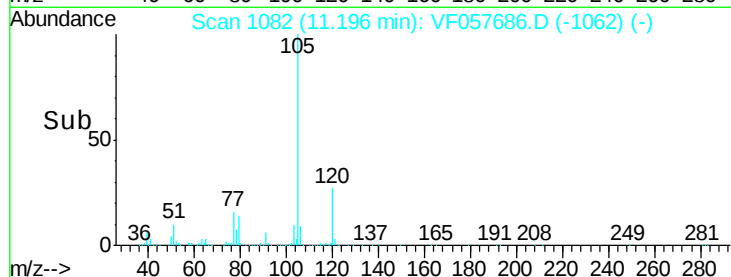
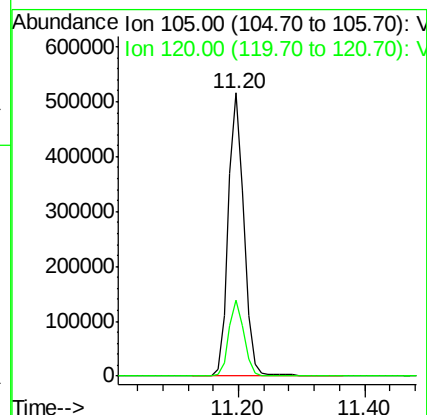
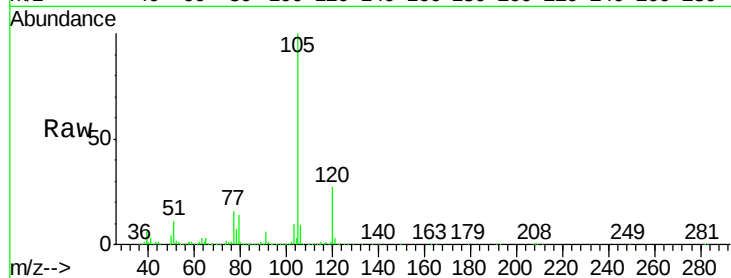
ClientSampled :

Tgt Ion: 105 Resp: 889421

Ion Ratio Lower Upper

105 100

120 26.7 12.9 38.6



#74

N-ethyl acetate

Concen: 59.62 ug/l

RT: 11.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Tgt Ion: 43 Resp: 376613

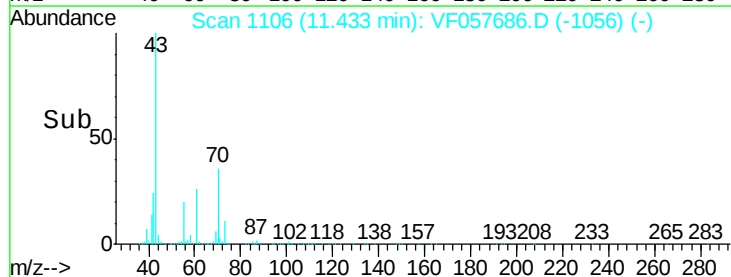
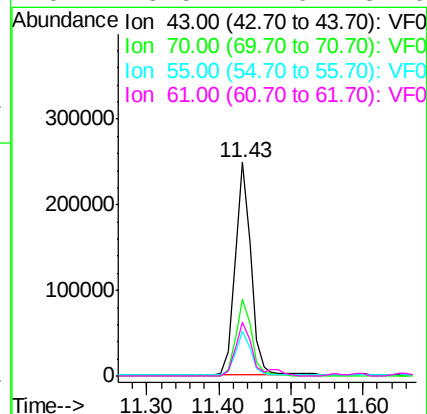
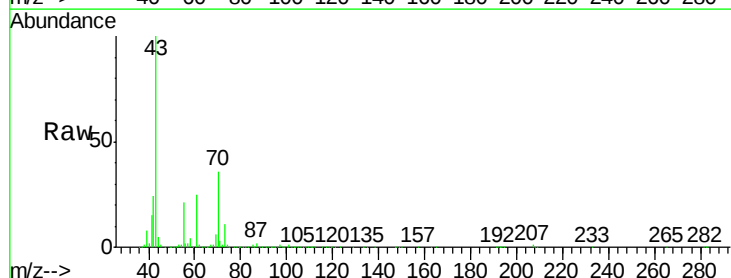
Ion Ratio Lower Upper

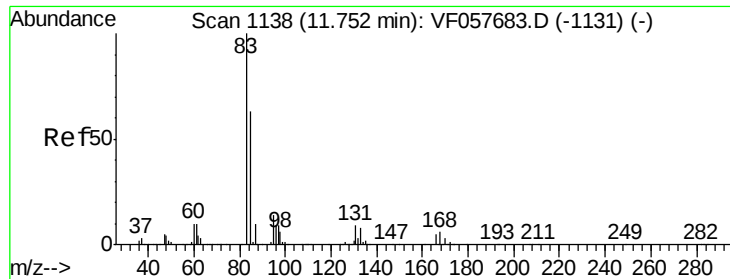
43 100

70 35.7 30.2 45.4

55 21.0 17.1 25.7

61 25.5 21.0 31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.06 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VF057686.D

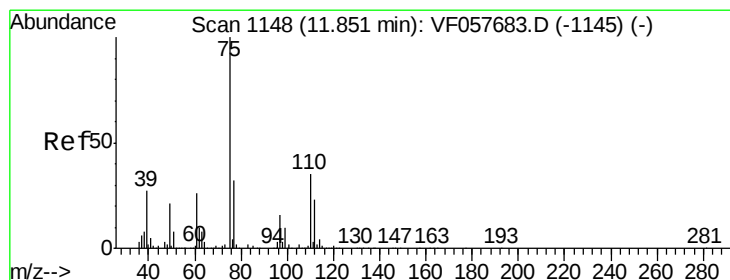
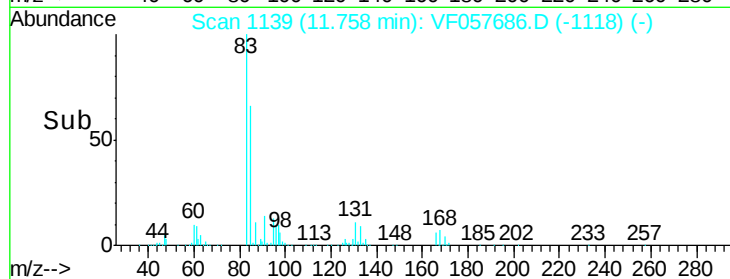
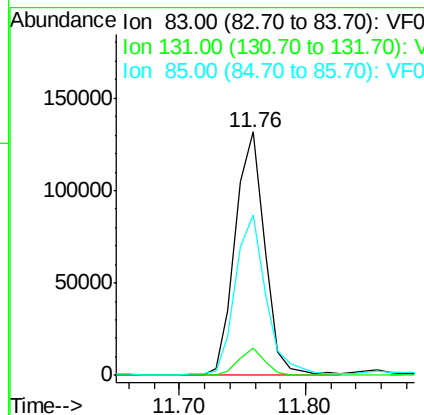
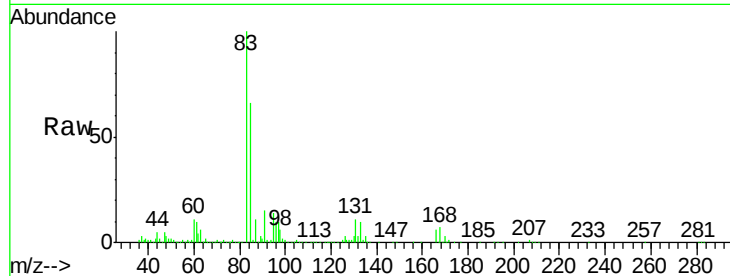
Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	83	Resp:	212754
Ion	Ratio	Lower	Upper
83	100		
131	11.0	4.3	12.9
85	66.0	31.4	94.2



#76

1,2,3-Trichloropropane

Concen: 52.43 ug/l

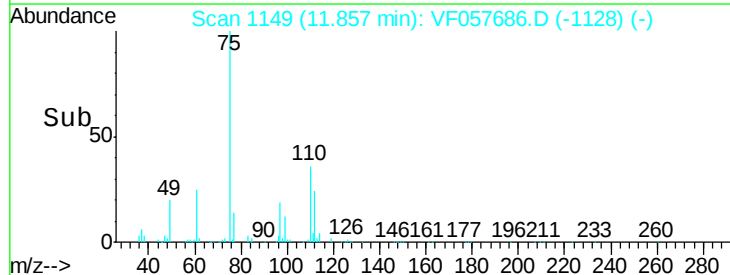
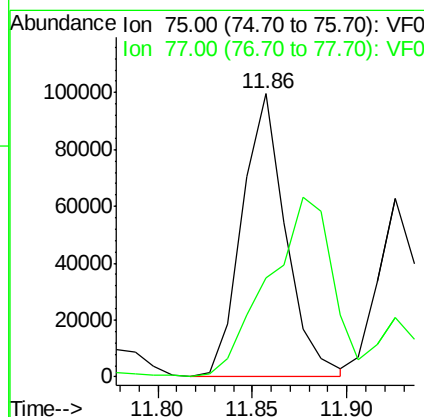
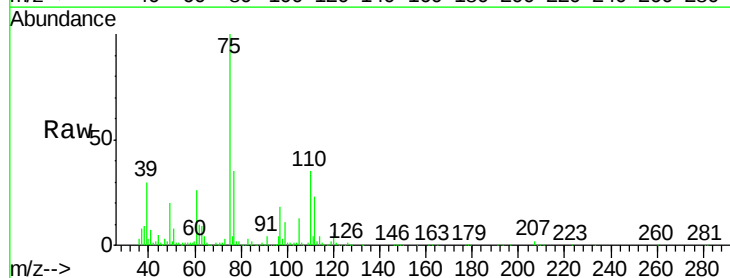
RT: 11.86 min Scan# 1149

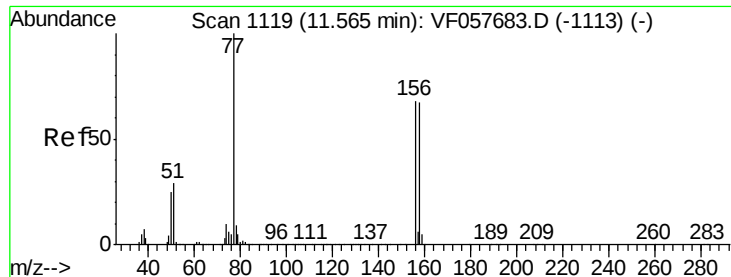
Delta R.T. 0.01 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Tgt Ion:	75	Resp:	159259
Ion	Ratio	Lower	Upper
75	100		
77	35.0	16.4	49.2





#77

Bromobenzene

Concen: 54.24 ug/l

RT: 11.56 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

ClientSampled :

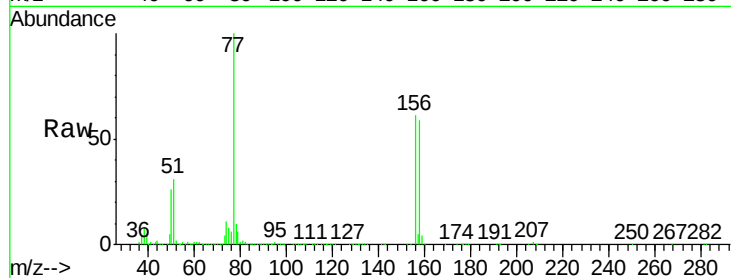
Tgt Ion: 156 Resp: 235242

Ion Ratio Lower Upper

156 100

77 163.6 73.4 220.2

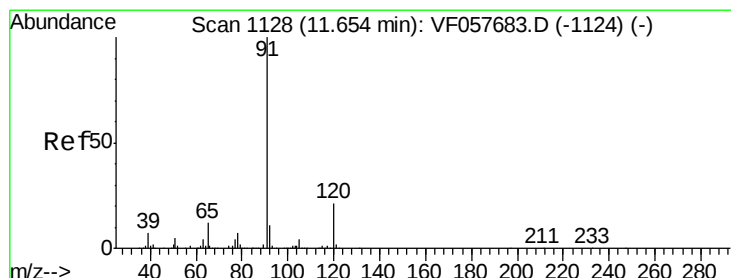
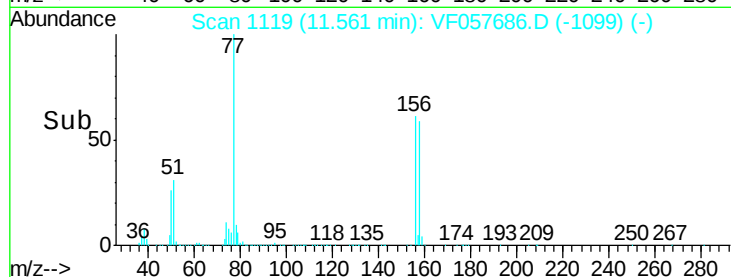
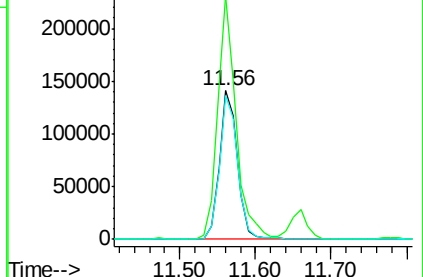
158 96.8 49.0 147.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 54.07 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VF057686.D

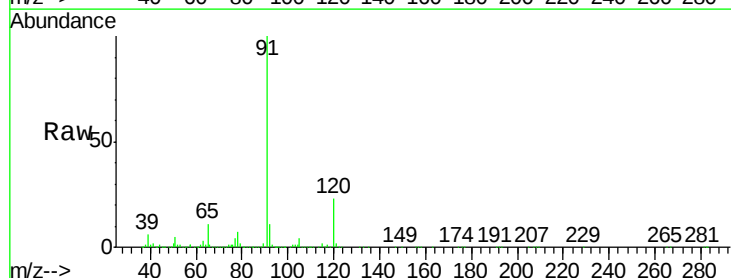
Acq: 9 May 2018 17:30

Tgt Ion: 91 Resp: 1078110

Ion Ratio Lower Upper

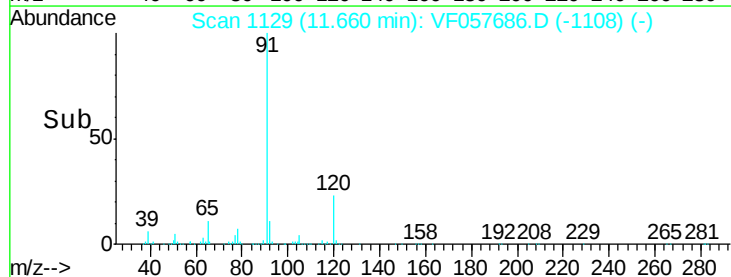
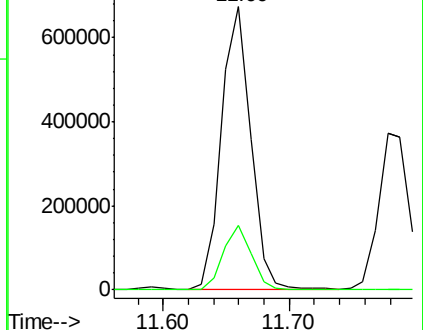
91 100

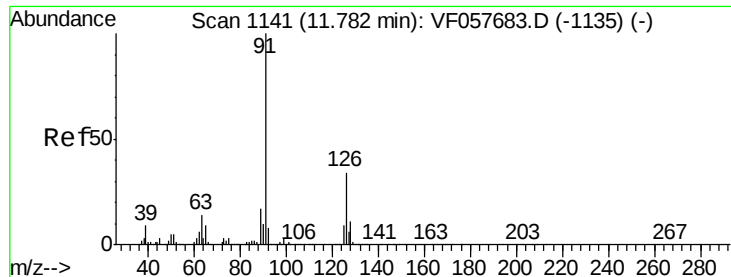
120 22.6 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.59 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

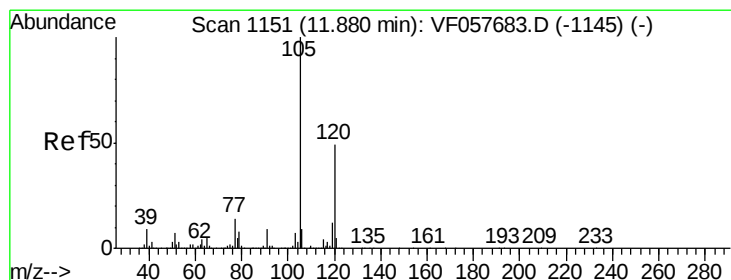
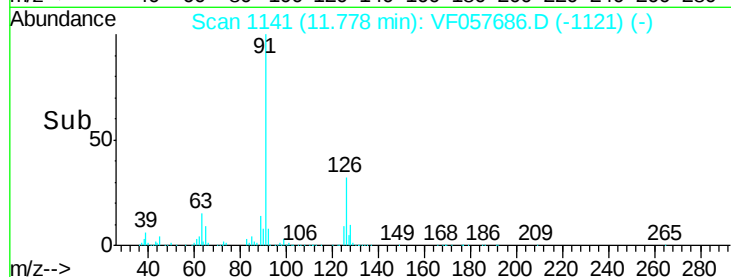
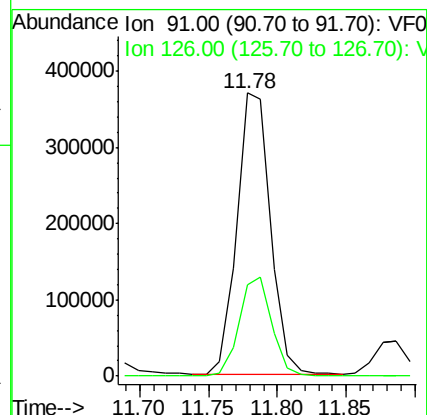
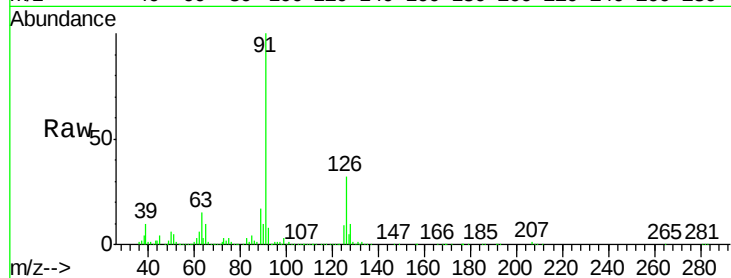
ClientSampleId :

Tgt Ion: 91 Resp: 622466

Ion Ratio Lower Upper

91 100

126 32.3 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 53.27 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.01 min

Lab File: VF057686.D

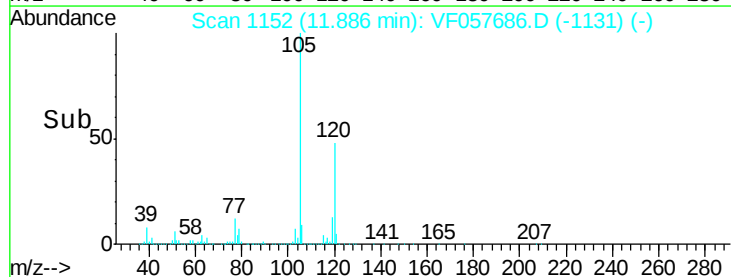
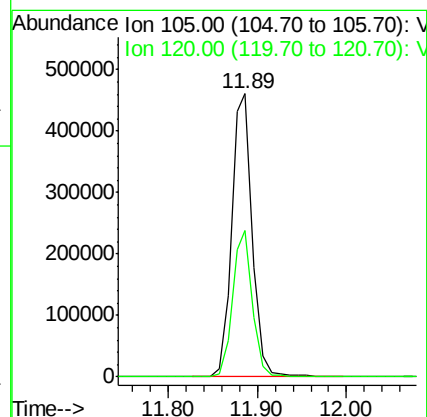
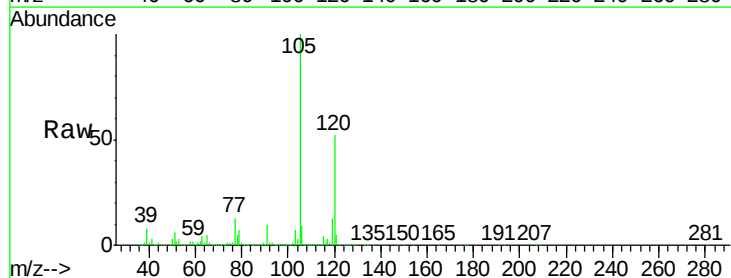
Acq: 9 May 2018 17:30

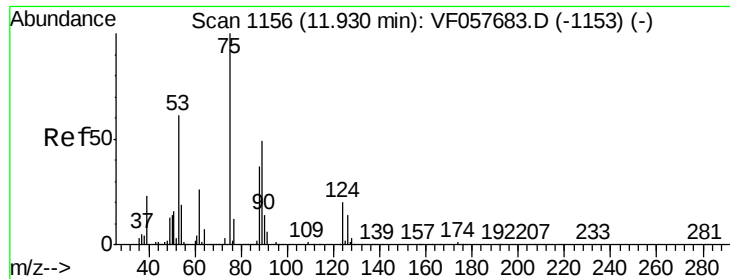
Tgt Ion: 105 Resp: 749746

Ion Ratio Lower Upper

105 100

120 51.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 56.74 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

ClientSampled :

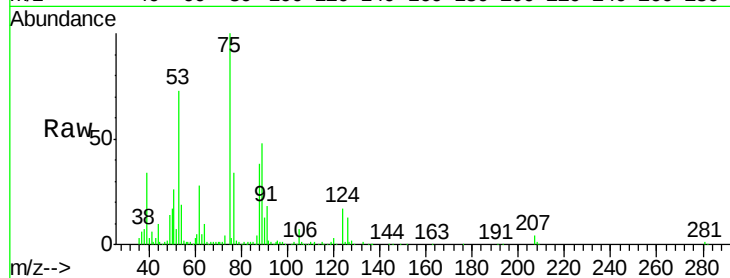
Tgt Ion: 75 Resp: 114104

Ion Ratio Lower Upper

75 100

53 72.7 50.7 76.1

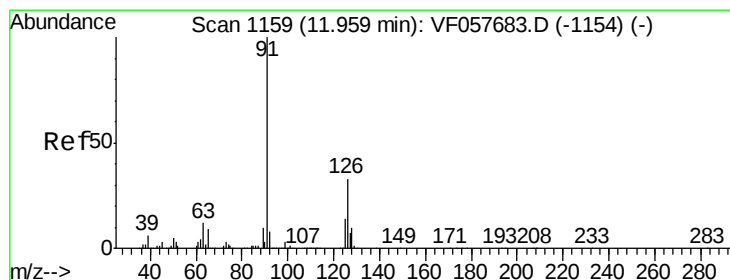
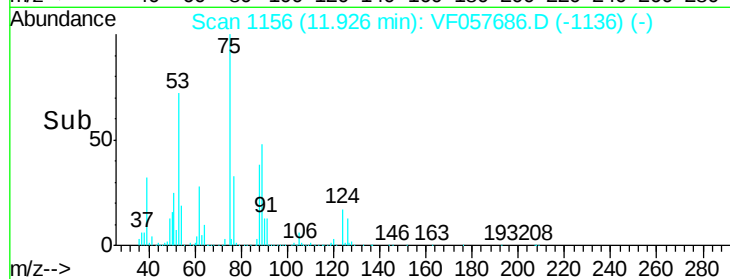
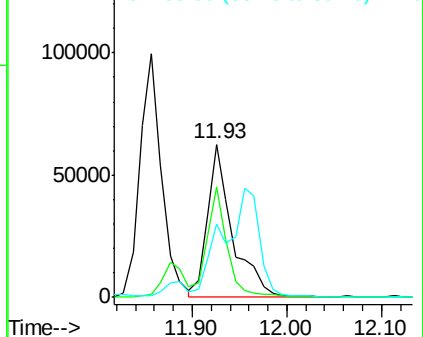
89 48.4 40.3 60.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 52.71 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF057686.D

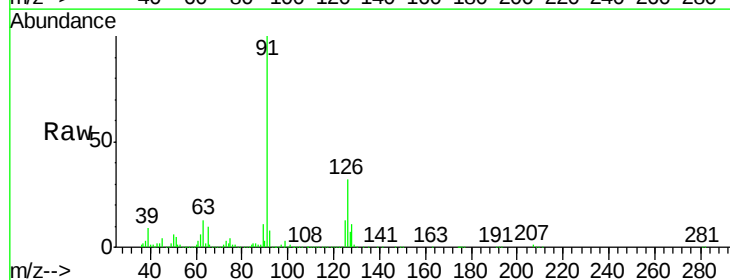
Acq: 9 May 2018 17:30

Tgt Ion: 91 Resp: 681093

Ion Ratio Lower Upper

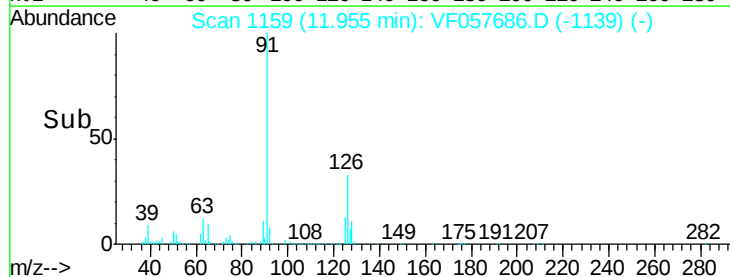
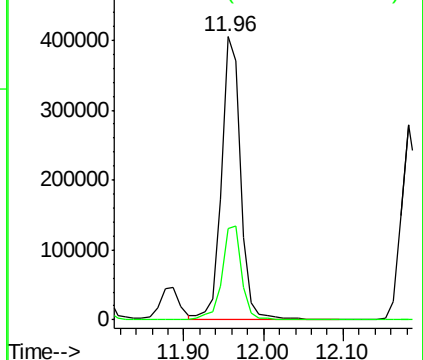
91 100

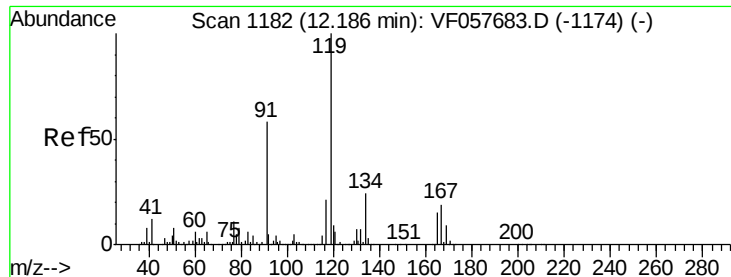
126 32.4 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

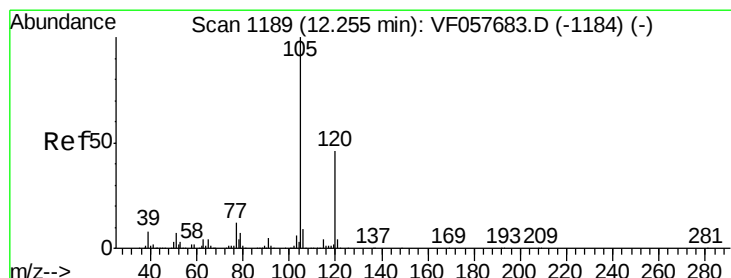
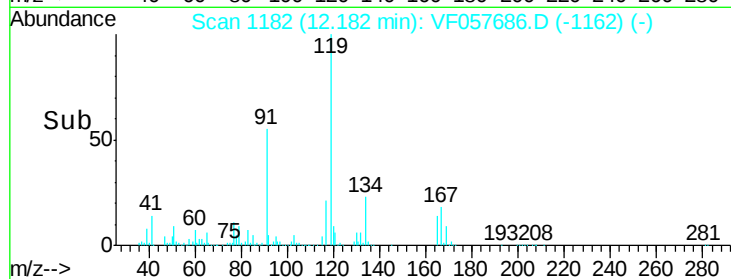
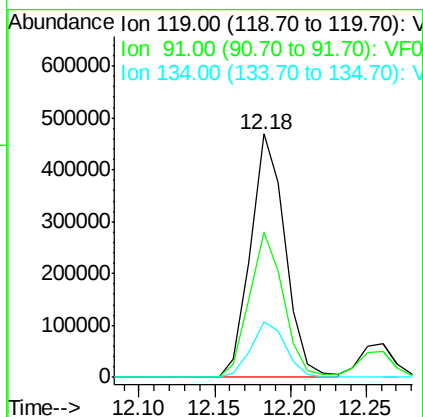
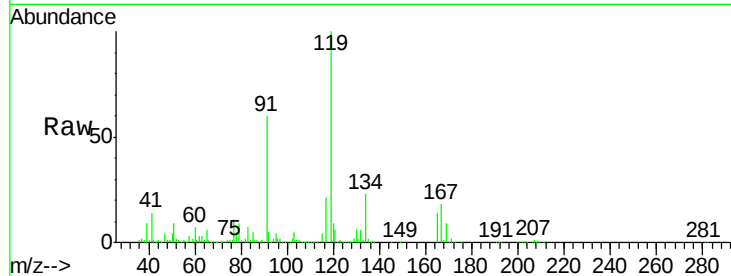




#83
 tert-Butylbenzene
 Concen: 53.53 ug/l
 RT: 12.18 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VF057686.D
 Acq: 9 May 2018 17:30

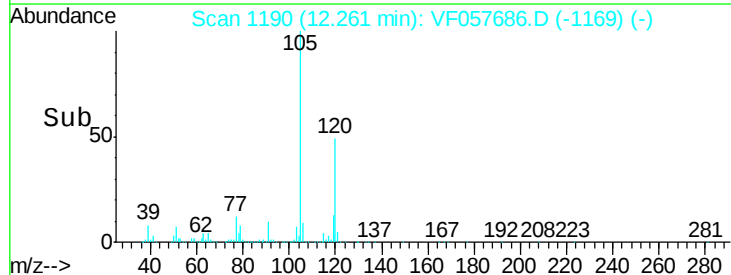
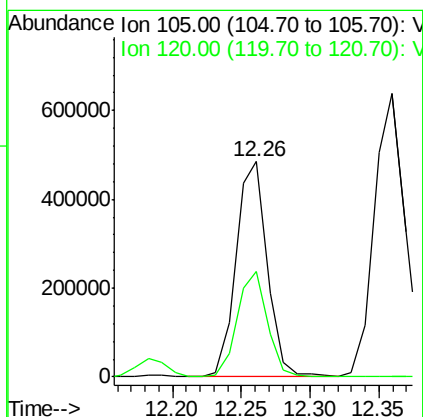
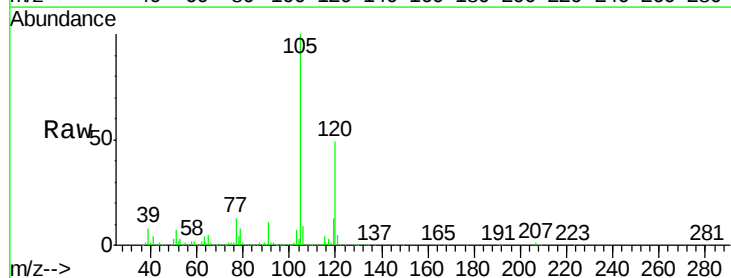
Instrument :
 MSVOA_X
 ClientSampleId :

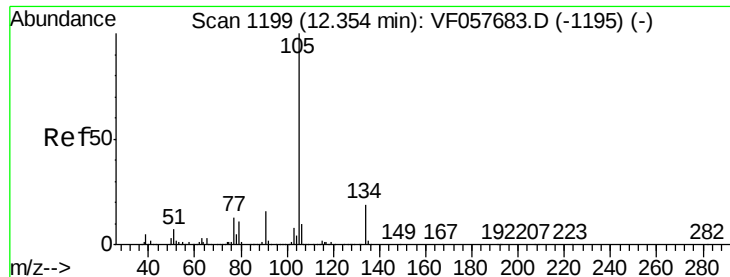
Tgt Ion:119 Resp: 749681
 Ion Ratio Lower Upper
 119 100
 91 59.6 29.1 87.3
 134 22.5 11.9 35.5



#84
 1,2,4-Trimethylbenzene
 Concen: 52.86 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VF057686.D
 Acq: 9 May 2018 17:30

Tgt Ion:105 Resp: 762702
 Ion Ratio Lower Upper
 105 100
 120 48.8 23.3 69.9

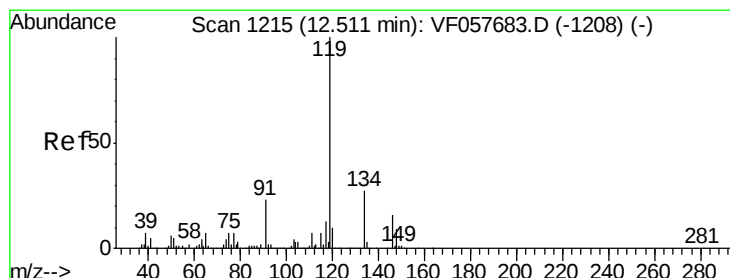
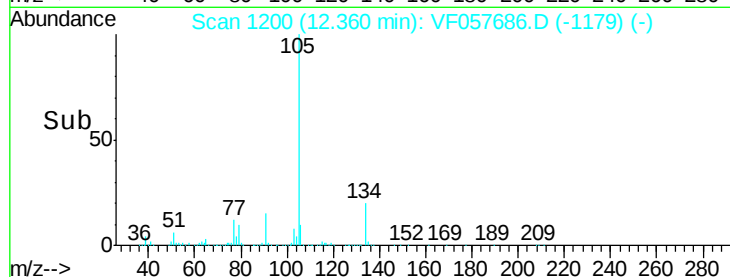
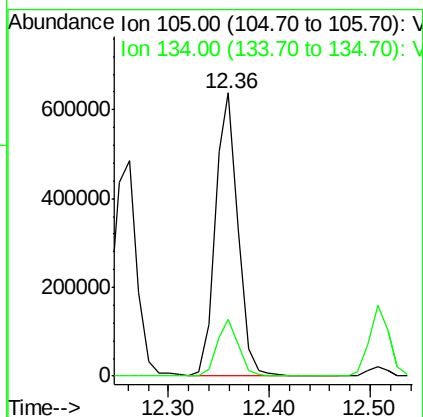
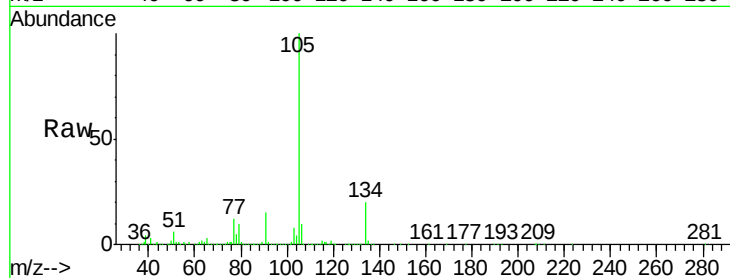




#85
 sec-Butylbenzene
 Concen: 54.03 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: VF057686.D
 Acq: 9 May 2018 17:30

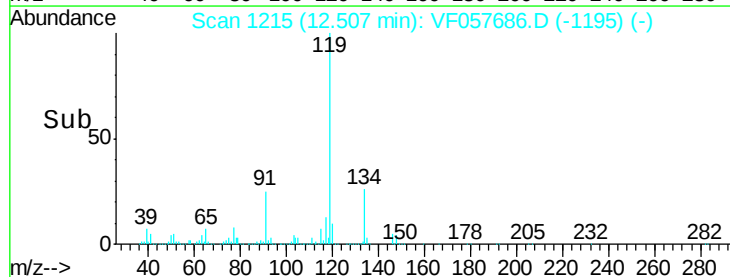
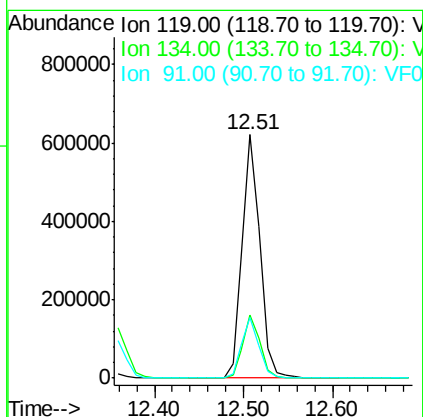
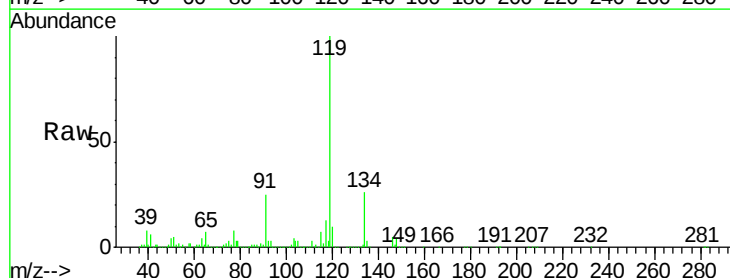
Instrument :
 MSVOA_X
 ClientSampleId :

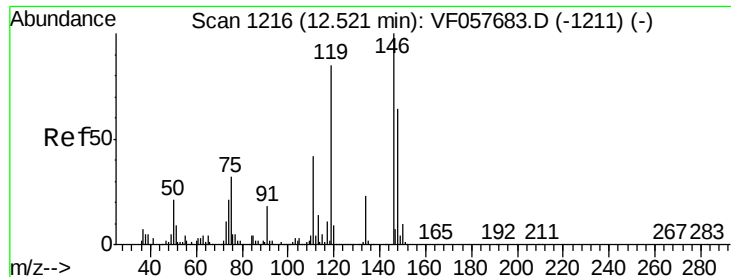
Tgt Ion:105 Resp: 994243
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 53.96 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF057686.D
 Acq: 9 May 2018 17:30

Tgt Ion:119 Resp: 859030
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.4 40.2
 91 24.8 11.5 34.5

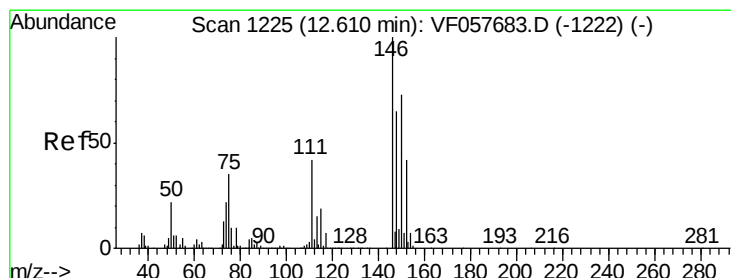
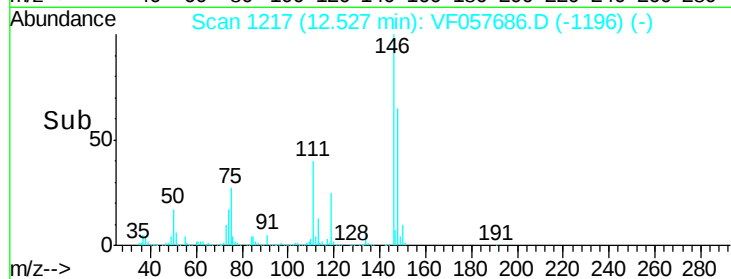
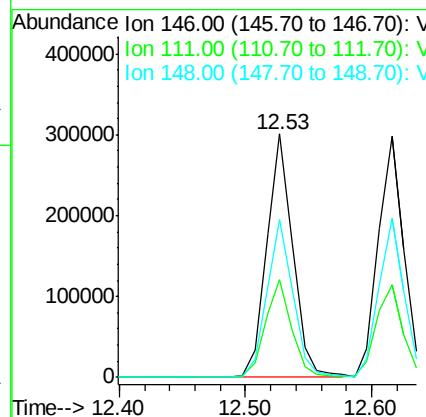
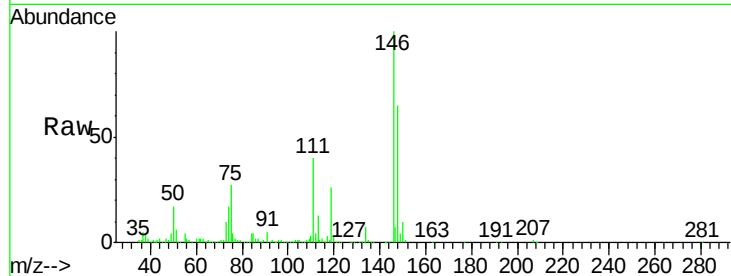




#87
 1,3-Dichlorobenzene
 Concen: 52.99 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF057686.D
 Acq: 9 May 2018 17:30

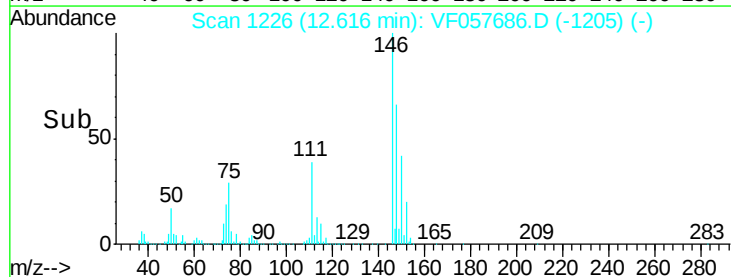
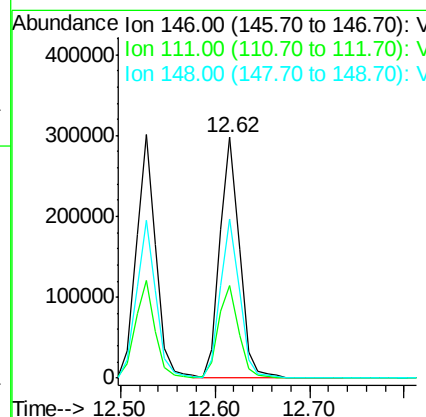
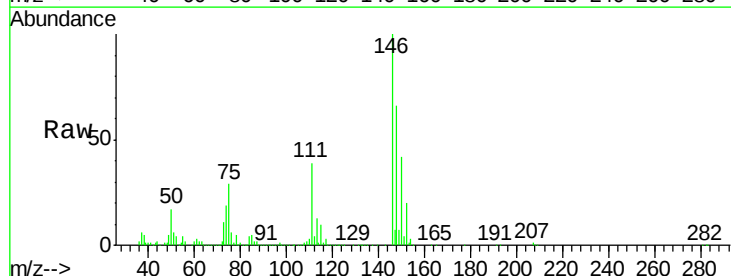
Instrument :
 MSVOA_X
 ClientSampled :

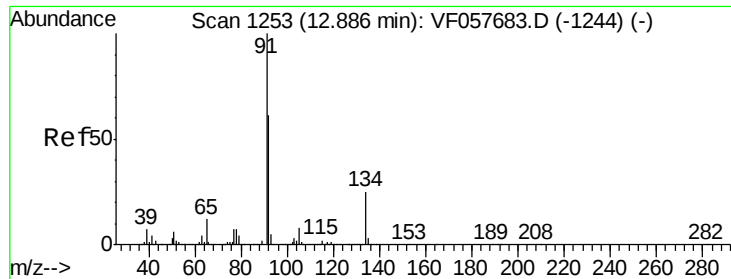
Tgt Ion:146 Resp: 433672
 Ion Ratio Lower Upper
 146 100
 111 40.2 21.0 63.0
 148 64.9 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 54.49 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. 0.01 min
 Lab File: VF057686.D
 Acq: 9 May 2018 17:30

Tgt Ion:146 Resp: 430747
 Ion Ratio Lower Upper
 146 100
 111 38.7 21.1 63.3
 148 66.4 32.3 96.9





#89

n-Butylbenzene

Concen: 62.23 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VF057686.D

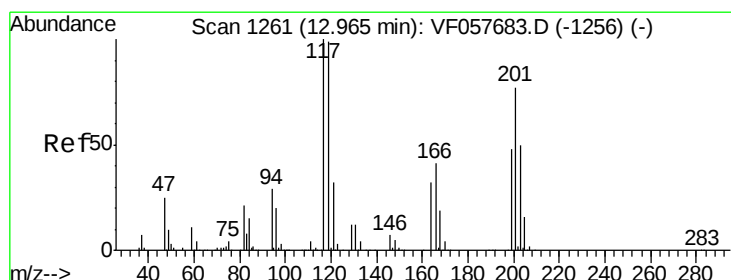
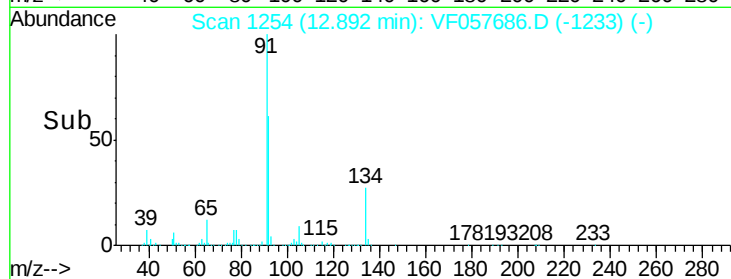
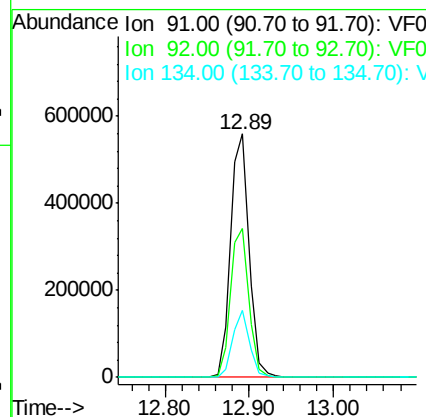
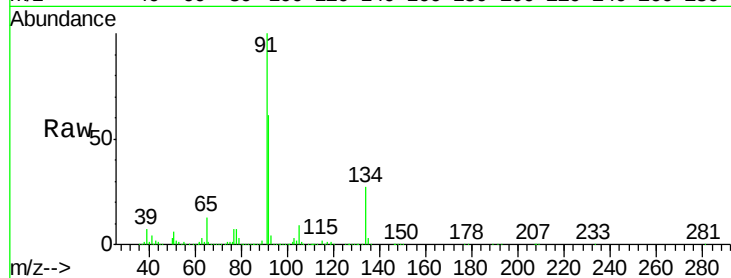
Acq: 9 May 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	91	Resp:	847914
Ion	Ratio	Lower	Upper
91	100		
92	61.2	30.3	91.0
134	27.4	12.7	38.1



#90

Hexachloroethane

Concen: 52.85 ug/l

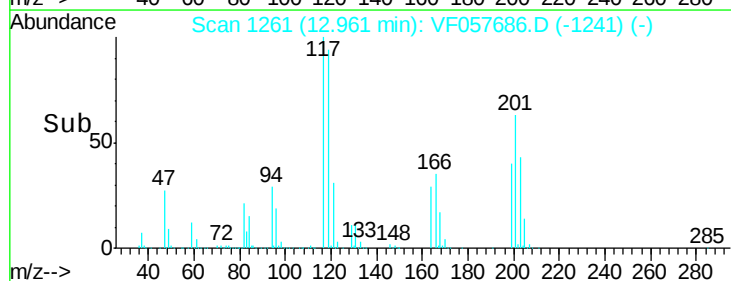
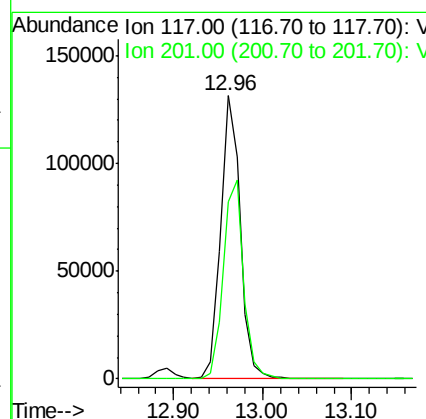
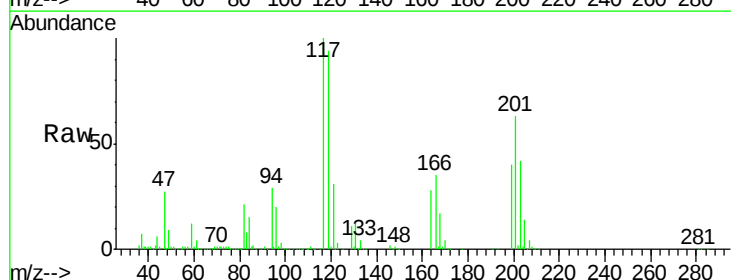
RT: 12.96 min Scan# 1261

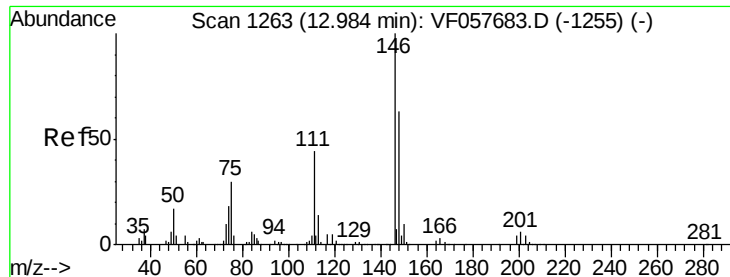
Delta R.T. -0.00 min

Lab File: VF057686.D

Acq: 9 May 2018 17:30

Tgt Ion:	117	Resp:	202524
Ion	Ratio	Lower	Upper
117	100		
201	62.6	38.6	115.7

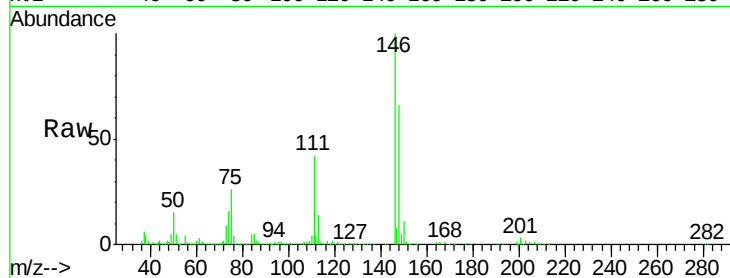




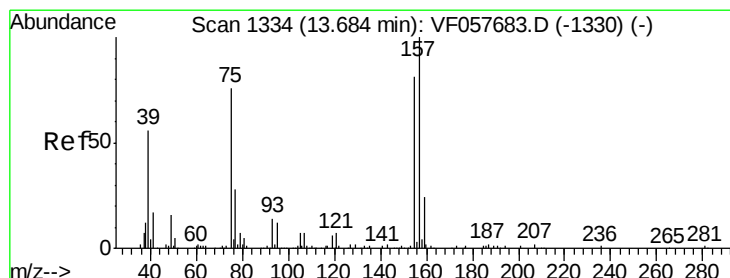
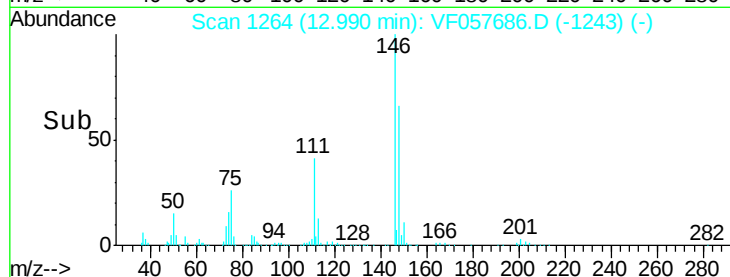
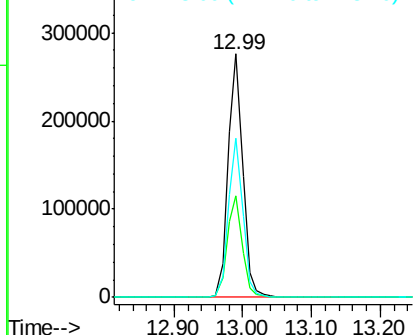
#91
 1,2-Dichlorobenzene
 Concen: 53.76 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: VF057686.D
 Acq: 9 May 2018 17:30

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	22.0	66.0
148	65.6	31.4	94.3

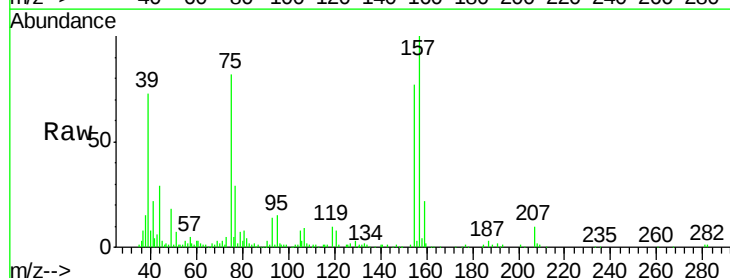


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

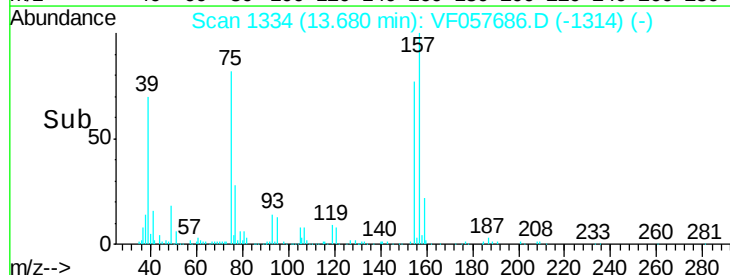
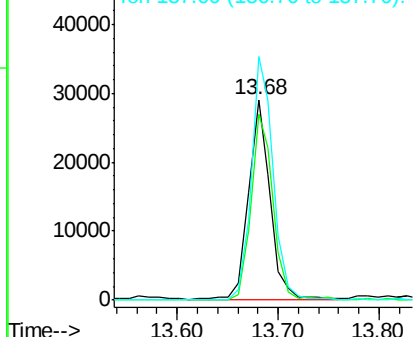


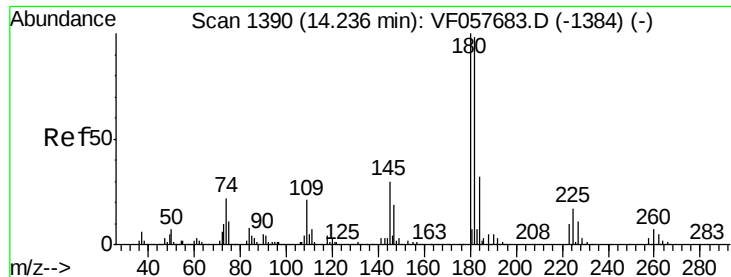
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.71 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VF057686.D
 Acq: 9 May 2018 17:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	52.8	158.4
157	121.5	65.0	194.8



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

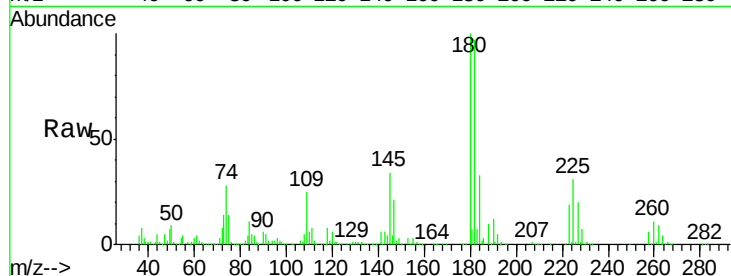




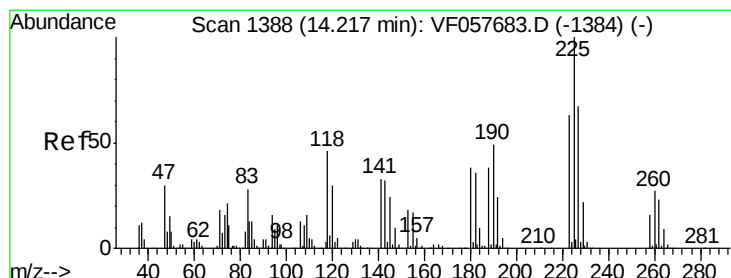
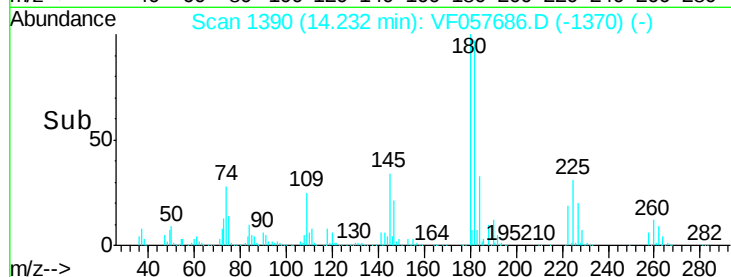
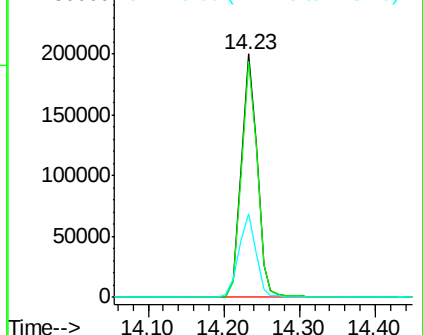
#93
 1,2,4-Trichlorobenzene
 Concen: 53.16 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF057686.D
 Acq: 9 May 2018 17:30

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:180 Resp: 288743
 Ion Ratio Lower Upper
 180 100
 182 96.8 49.0 147.2
 145 34.3 15.2 45.6

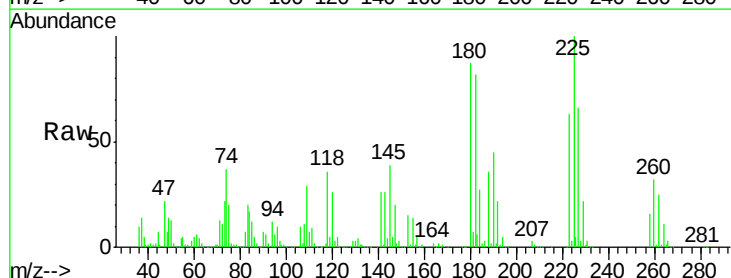


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

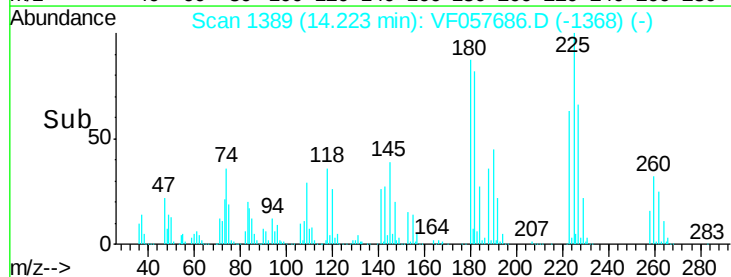
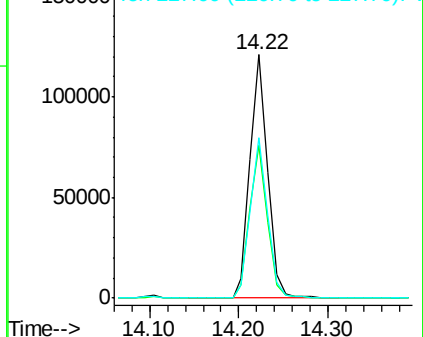


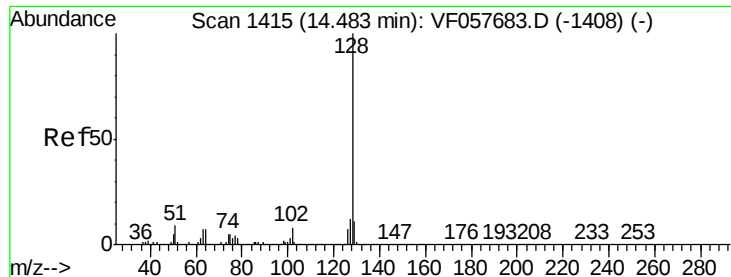
#94
 Hexachlorobutadiene
 Concen: 55.40 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VF057686.D
 Acq: 9 May 2018 17:30

Tgt Ion:225 Resp: 165687
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.6 95.0
 227 65.7 33.4 100.1



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

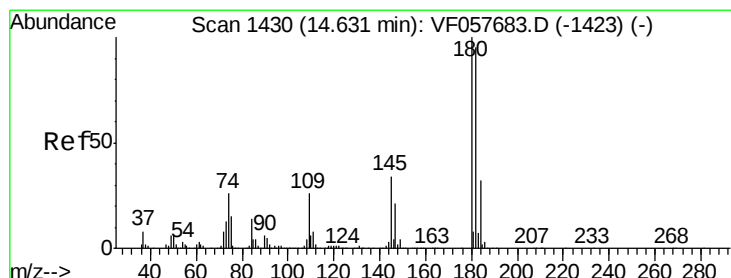
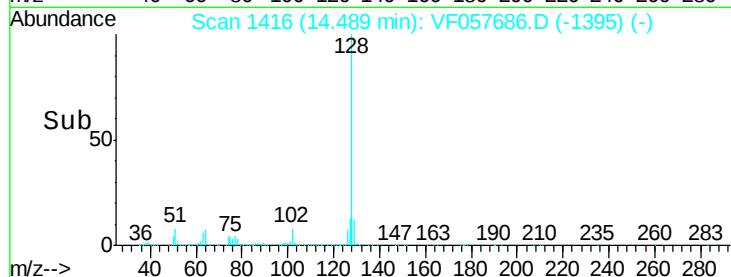
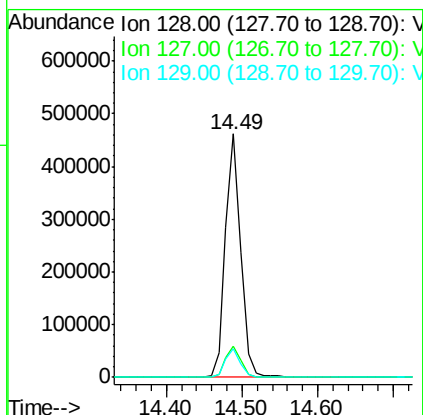
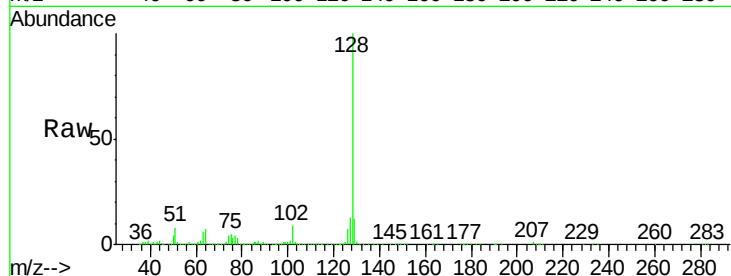




#95
Naphthalene
Concen: 55.98 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. 0.01 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 648424
Ion Ratio Lower Upper
128 100
127 12.8 9.8 14.8
129 11.7 9.2 13.8



#96
1,2,3-Trichlorobenzene
Concen: 52.24 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF057686.D
Acq: 9 May 2018 17:30

Tgt Ion:180 Resp: 261117
Ion Ratio Lower Upper
180 100
182 96.7 47.4 142.3
145 31.9 16.9 50.6

