

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF052218\
 Data File : VF057968.D
 Acq On : 23 May 2018 4:26
 Operator : JC/SY
 Sample : VF0522SBS02
 Misc : 5.01g/5mL/MSVOA-F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 08:34:48 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	5.02	168	350274	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.74	114	588840	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.90	117	564815	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	319580	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	258086	62.01	ug/l	0.02
Spiked Amount	50.000		Recovery	=	124.02%	
35) Dibromofluoromethane	4.28	113	224316	53.28	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.56%	
50) Toluene-d8	7.70	98	675788	52.35	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.70%	
62) 4-Bromofluorobenzene	11.50	95	327958	50.26	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	76709	21.17	ug/l	88
3) Chloromethane	1.08	50	65510	22.46	ug/l	98
4) Vinyl Chloride	1.14	62	53174	23.12	ug/l	99
5) Bromomethane	1.34	94	26984	20.60	ug/l	97
6) Chloroethane	1.42	64	19428	21.65	ug/l #	88
7) Trichlorofluoromethane	1.48	101	24334	7.15	ug/l	97
8) Diethyl Ether	1.69	74	21831	24.44	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.89	101	46823	22.01	ug/l	96
10) Methyl Iodide	1.96	142	86870	23.59	ug/l	92
11) Tert butyl alcohol	2.68	59	26813	115.79	ug/l #	80
12) 1,1-Dichloroethene	1.85	96	41498	22.14	ug/l	91
13) Acrolein	2.21	56	376	Below	Cal	93
14) Allyl chloride	2.18	41	79573	22.84	ug/l	96
15) Acrylonitrile	3.06	53	54048	120.38	ug/l	92
16) Acetone	2.32	43	86599	85.16	ug/l	97
17) Carbon Disulfide	1.88	76	98094	20.47	ug/l	98
18) Methyl Acetate	2.44	43	39743	23.79	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	157161	26.83	ug/l	96
20) Methylene Chloride	2.26	84	21455	10.80	ug/l	92
21) trans-1,2-Dichloroethene	2.40	96	44780	23.07	ug/l	95
22) Diisopropyl ether	2.91	45	179769	23.83	ug/l	96
23) Vinyl Acetate	3.32	43	693015	127.59	ug/l	97
24) 1,1-Dichloroethane	2.98	63	111306	25.56	ug/l	96
25) 2-Butanone	4.49	43	172181	103.54	ug/l	98
26) 2,2-Dichloropropane	3.74	77	67192	20.29	ug/l	100
27) cis-1,2-Dichloroethene	3.61	96	94352	26.38	ug/l	98
28) Bromochloromethane	3.87	49	56917	22.69	ug/l #	98
29) Tetrahydrofuran	4.24	42	85901	125.73	ug/l	97
30) Chloroform	4.02	83	169226	24.19	ug/l	97
31) Cyclohexane	3.85	56	109134	24.65	ug/l	92
32) 1,1,1-Trichloroethane	4.26	97	110099	23.05	ug/l	96
36) 1,1-Dichloropropene	4.44	75	124518	23.72	ug/l	97
37) Ethyl Acetate	4.28	43	87041	23.23	ug/l #	96
38) Carbon Tetrachloride	4.14	117	44595	8.00	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	122803	22.20	ug/l	98
40) Benzene	4.79	78	307380	24.04	ug/l	96
41) Methacrylonitrile	4.91	41	43499	22.83	ug/l	96
42) 1,2-Dichloroethane	5.10	62	131518	24.39	ug/l	95
43) Isopropyl Acetate	7.09	43	113825	23.02	ug/l #	99
44) Trichloroethene	5.66	130	93023	23.18	ug/l	95
45) 1,2-Dichloropropane	6.38	63	90515	24.68	ug/l	98
46) Dibromomethane	6.24	93	66803	23.70	ug/l	90
47) Bromodichloromethane	6.53	83	148750	23.63	ug/l	96
48) Methyl methacrylate	6.86	41	70805	21.62	ug/l	89
49) 1,4-Dioxane	6.86	88	8504	376.37	ug/l #	74
51) 4-Methyl-2-Pentanone	8.40	43	401385	118.00	ug/l	99
52) Toluene	7.76	92	211793	23.03	ug/l	92
53) t-1,3-Dichloropropene	8.42	75	128479	20.33	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	155280	22.34	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	84693	24.34	ug/l	93
56) Ethyl methacrylate	8.75	69	105676	21.97	ug/l	97
57) 1,3-Dichloropropane	8.99	76	142420	23.68	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	32210	48.03	ug/l	100
59) 2-Hexanone	9.62	43	313134	106.58	ug/l	99
60) Dibromochloromethane	8.85	129	112783	21.60	ug/l	96
61) 1,2-Dibromoethane	9.12	107	98417	24.08	ug/l	93
64) Tetrachloroethene	8.29	164	107189	28.61	ug/l	95
65) Chlorobenzene	9.92	112	255930	23.92	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	98262	22.89	ug/l	92
67) Ethyl Benzene	10.02	91	452788	24.28	ug/l	97
68) m/p-Xylenes	10.26	106	336200	50.10	ug/l	99
69) o-Xylene	10.82	106	187627	25.16	ug/l	94
70) Styrene	10.89	104	263272	22.48	ug/l	99
71) Bromoform	10.88	173	66984	20.11	ug/l	97
73) Isopropylbenzene	11.21	105	495404	24.67	ug/l	98
74) N-amyl acetate	11.45	43	205250	24.62	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	131141	25.45	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	97372	25.92	ug/l	98
77) Bromobenzene	11.59	156	127711	23.81	ug/l	95
78) n-propylbenzene	11.68	91	593911	24.08	ug/l	98
79) 2-Chlorotoluene	11.81	91	359911	24.59	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	421710	24.22	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	56984	22.66	ug/l #	87
82) 4-Chlorotoluene	11.98	91	395857	24.77	ug/l	97
83) tert-Butylbenzene	12.21	119	410582	23.70	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	428494	24.01	ug/l	99
85) sec-Butylbenzene	12.38	105	555629	24.41	ug/l	98
86) p-Isopropyltoluene	12.53	119	445665	22.63	ug/l	93
87) 1,3-Dichlorobenzene	12.55	146	227993	22.52	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	218734	22.37	ug/l	100
89) n-Butylbenzene	12.91	91	476557	24.21	ug/l	97
90) Hexachloroethane	12.99	117	100372	21.18	ug/l	73
91) 1,2-Dichlorobenzene	13.01	146	224793	24.18	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	24255	23.38	ug/l	87

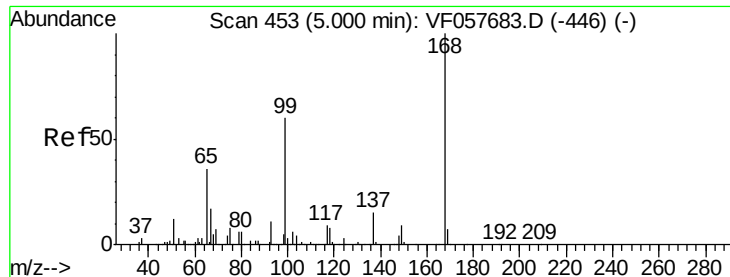
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	141119	21.01	ug/l	99
94) Hexachlorobutadiene	14.25	225	74130	20.04	ug/l	99
95) Naphthalene	14.52	128	310240	20.25	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	132554	21.44	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

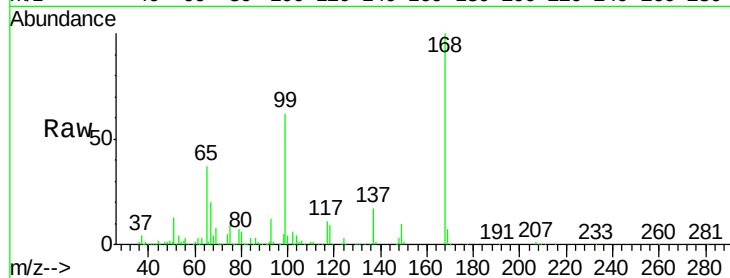
ClientSampleId :

Tot Ion:168 Resp: 350274

Ion Ratio Lower Upper

168 100

99 62.2 48.5 72.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

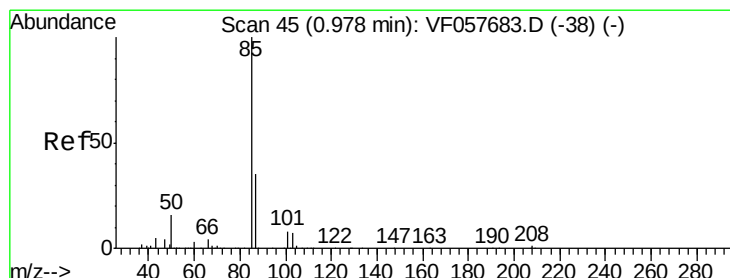
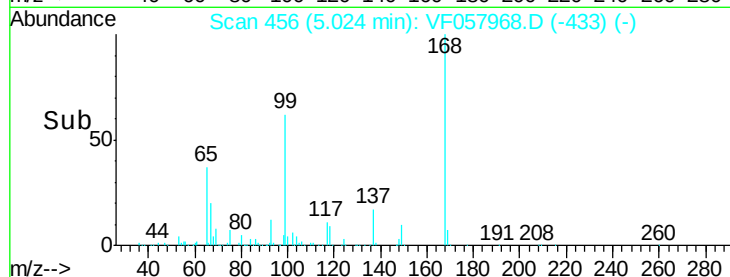
5.02

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.17 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF057968.D

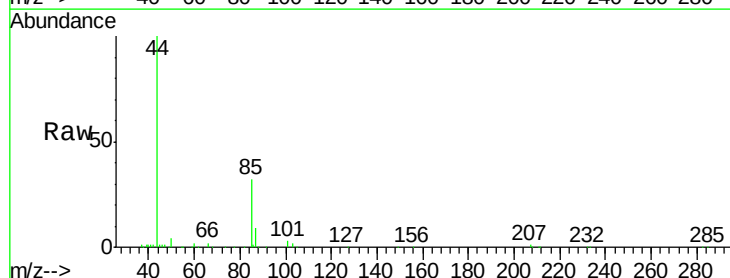
Acq: 23 May 2018 4:26

Tgt Ion: 85 Resp: 76709

Ion Ratio Lower Upper

85 100

87 28.1 17.6 52.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

25000

20000

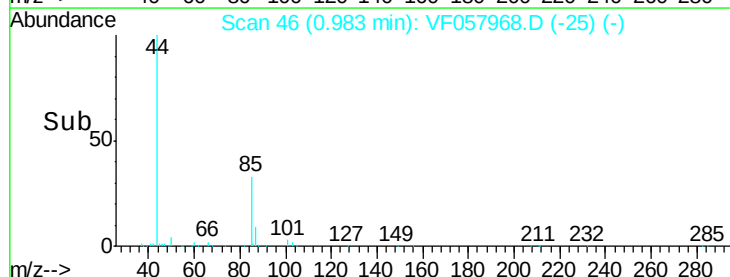
15000

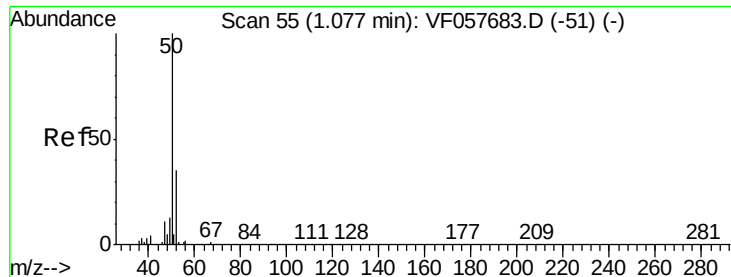
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.46 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

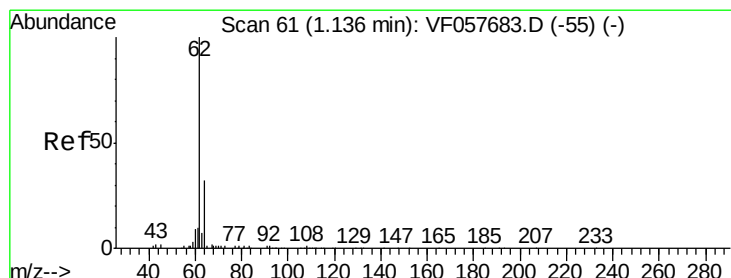
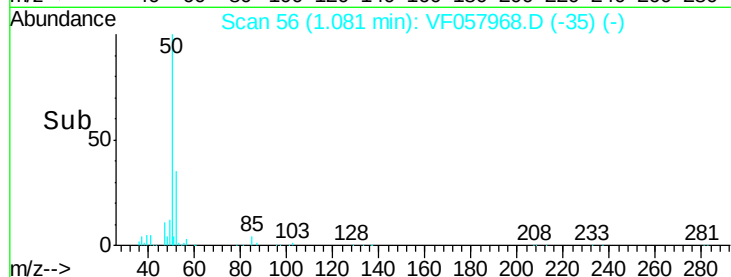
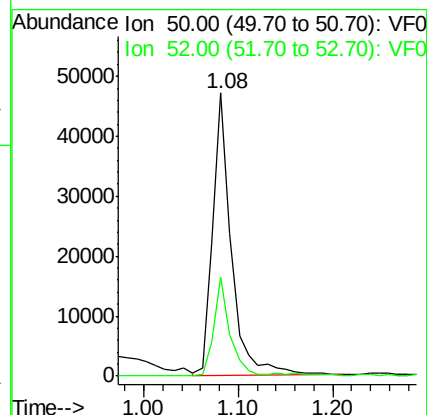
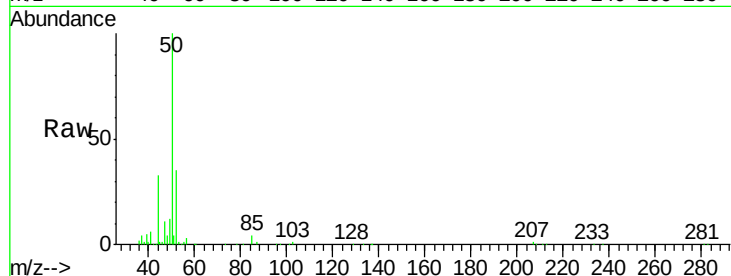
ClientSampleId :

Tot Ion: 50 Resp: 65510

Ion Ratio Lower Upper

50 100

52 35.2 27.3 40.9



#4

Vinyl Chloride

Concen: 23.12 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF057968.D

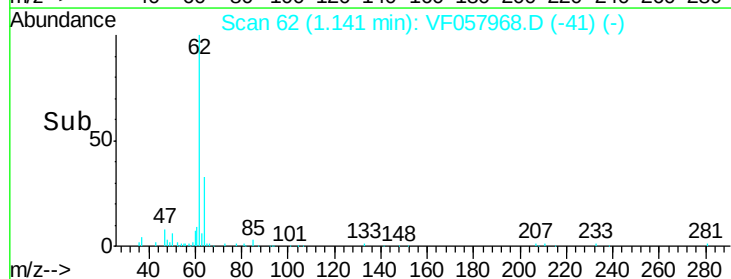
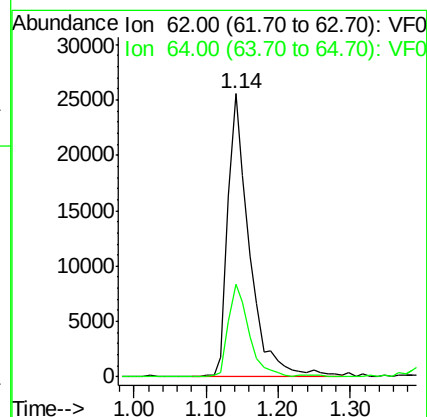
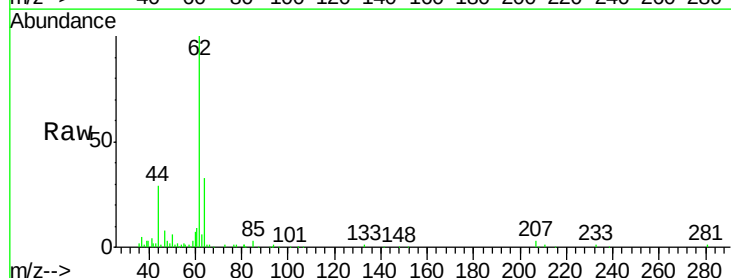
Acq: 23 May 2018 4:26

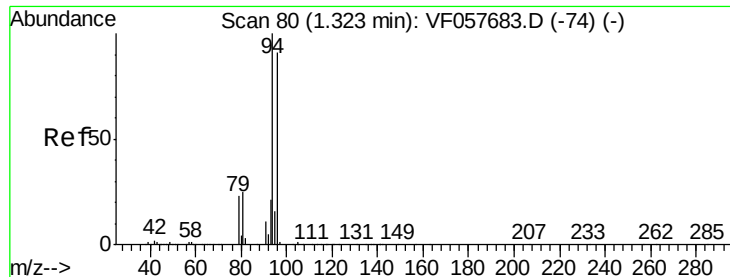
Tgt Ion: 62 Resp: 53174

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8





#5

Bromomethane

Concen: 20.60 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

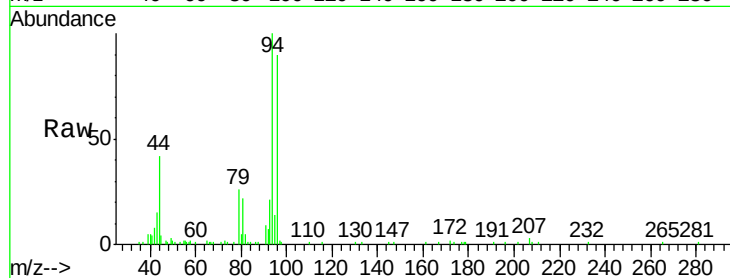
ClientSampleId :

Tot Ion: 94 Resp: 26984

Ion Ratio Lower Upper

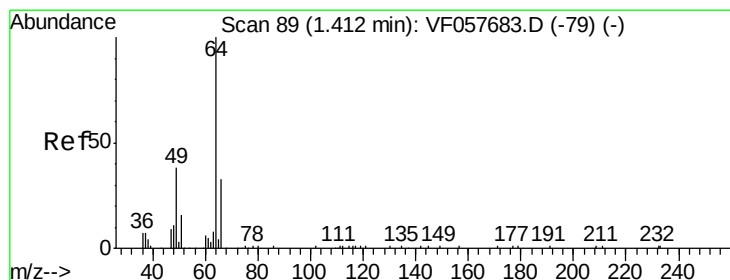
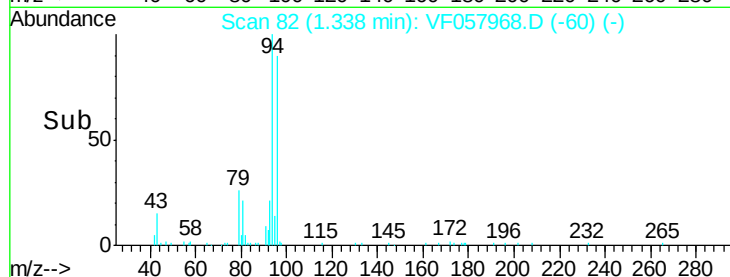
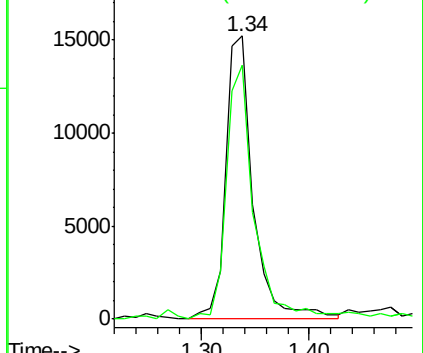
94 100

96 89.5 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: 21.65 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF057968.D

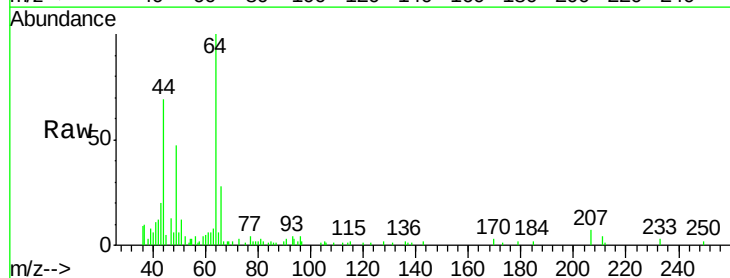
Acq: 23 May 2018 4:26

Tgt Ion: 64 Resp: 19428

Ion Ratio Lower Upper

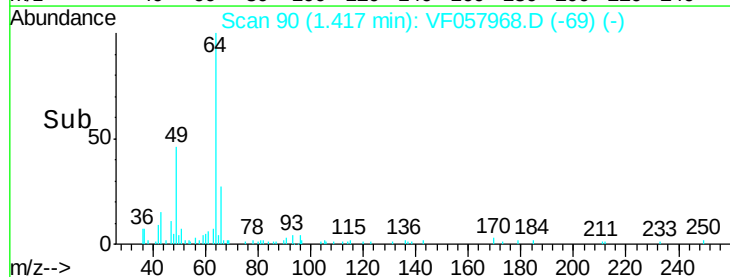
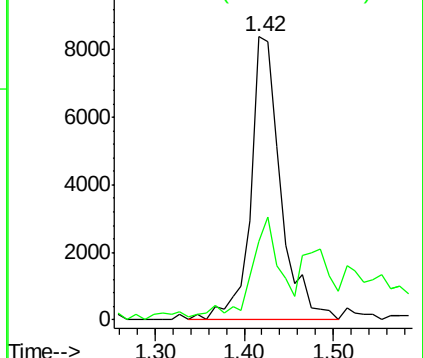
64 100

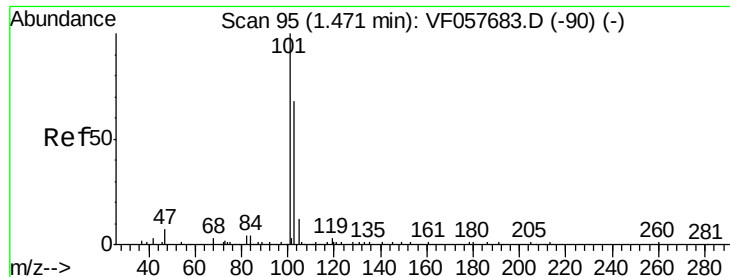
66 27.8 27.9 41.9#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 7.15 ug/l

RT: 1.48 min Scan# 96

Delta R.T. 0.00 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

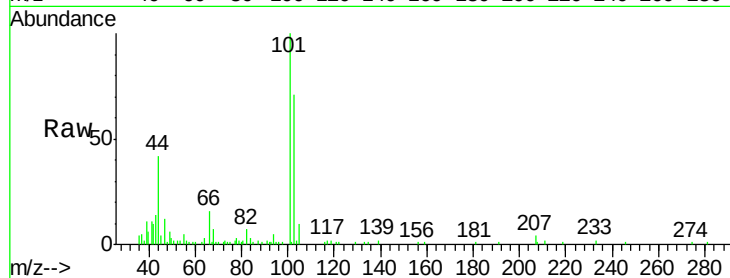
ClientSampleId :

Tot Ion:101 Resp: 24334

Ion Ratio Lower Upper

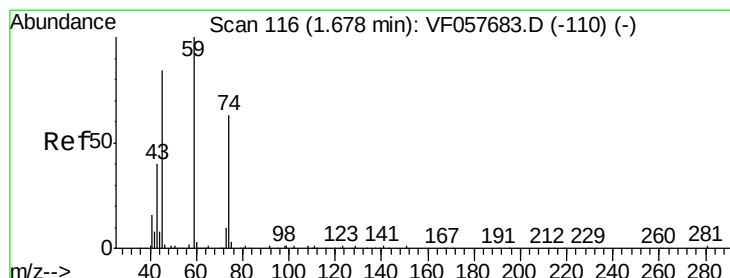
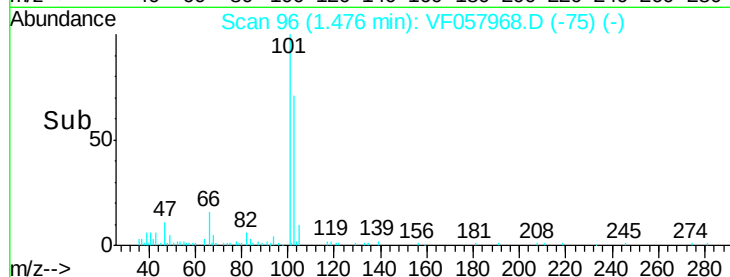
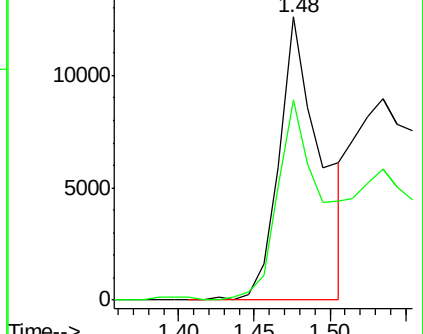
101 100

103 70.6 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: 24.44 ug/l

RT: 1.69 min Scan# 118

Delta R.T. 0.01 min

Lab File: VF057968.D

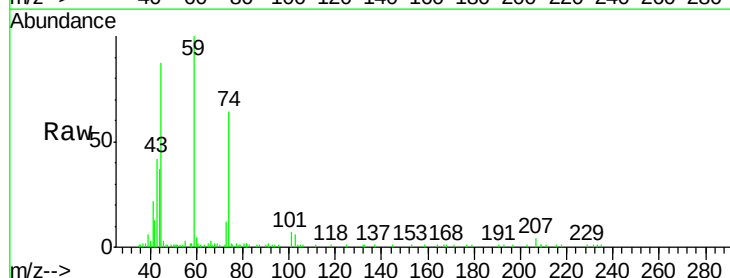
Acq: 23 May 2018 4:26

Tgt Ion: 74 Resp: 21831

Ion Ratio Lower Upper

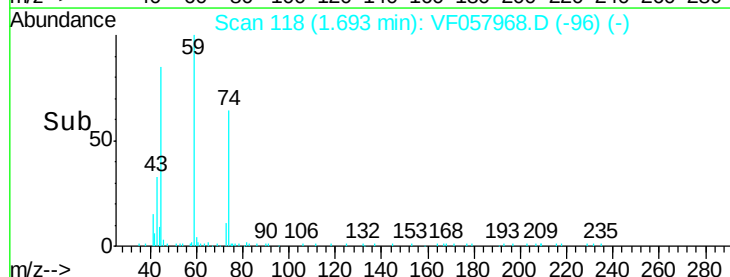
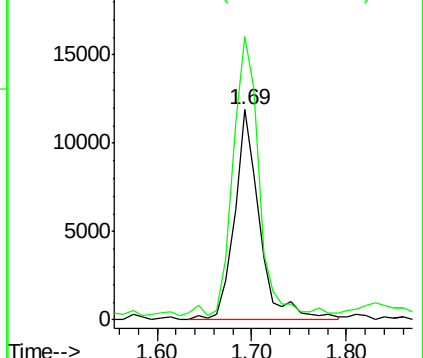
74 100

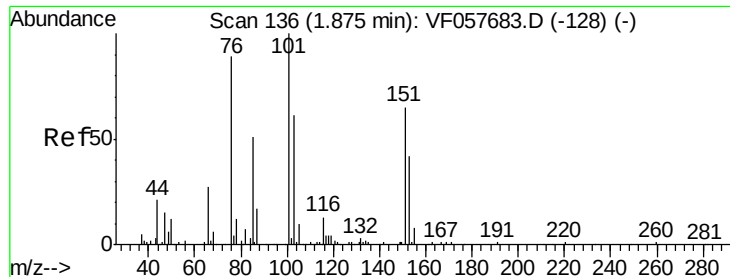
45 134.6 69.6 208.8



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: 22.01 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.01 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

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MSVOA_X

ClientSampleId :

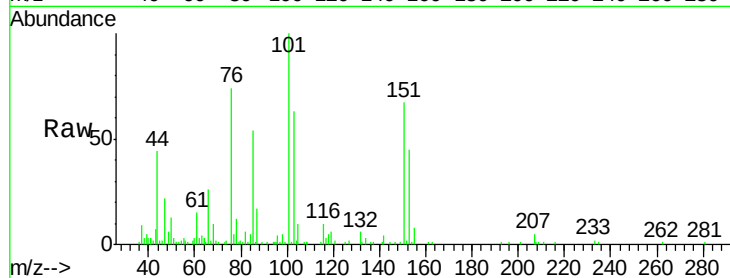
Tot Ion:101 Resp: 46823

Ion Ratio Lower Upper

101 100

85 54.2 41.2 61.8

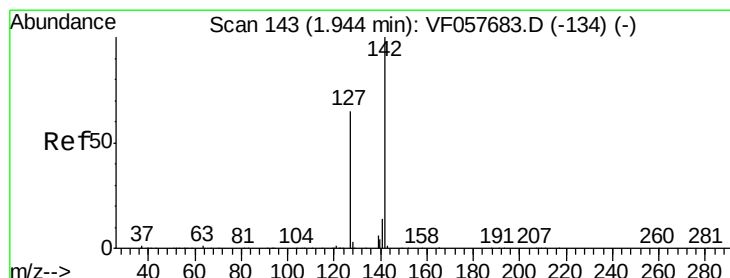
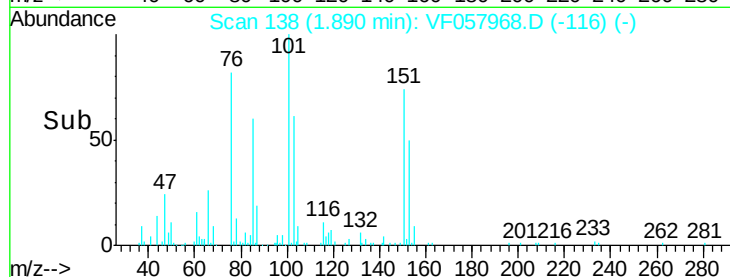
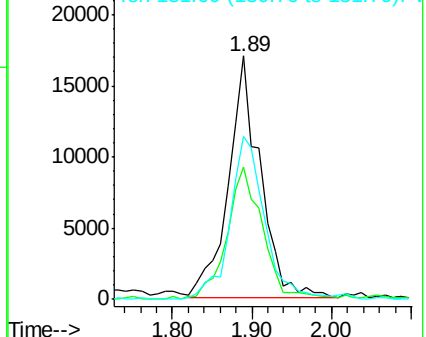
151 66.8 50.5 75.7



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: 23.59 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.01 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

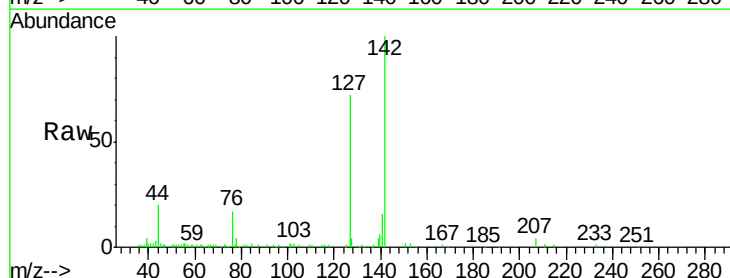
Tgt Ion:142 Resp: 86870

Ion Ratio Lower Upper

142 100

127 71.6 51.9 77.9

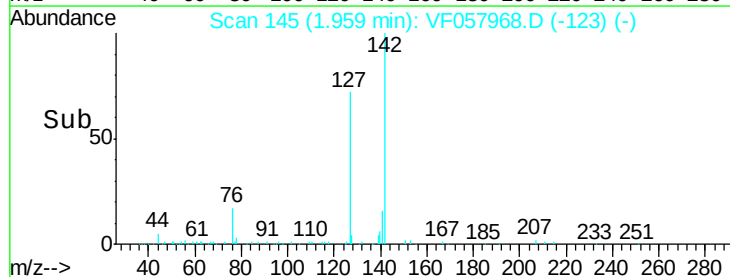
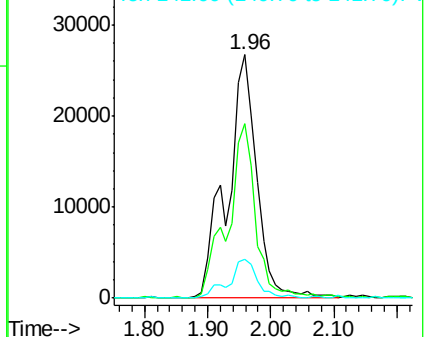
141 16.2 11.8 17.6

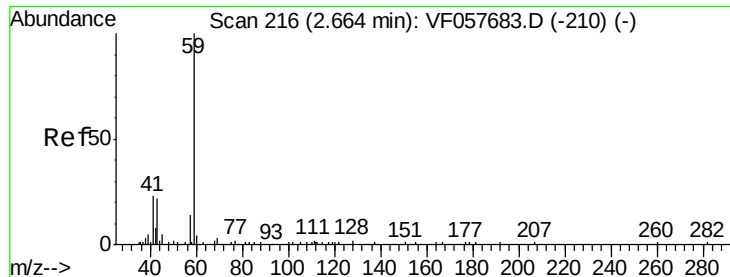


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



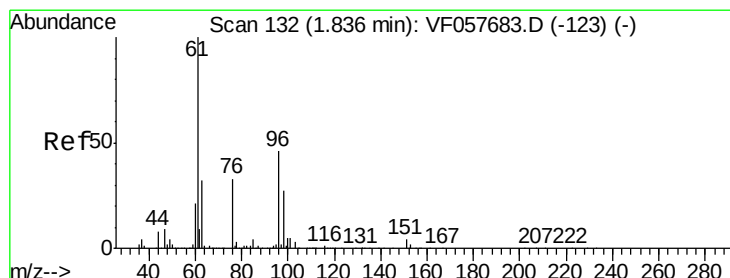
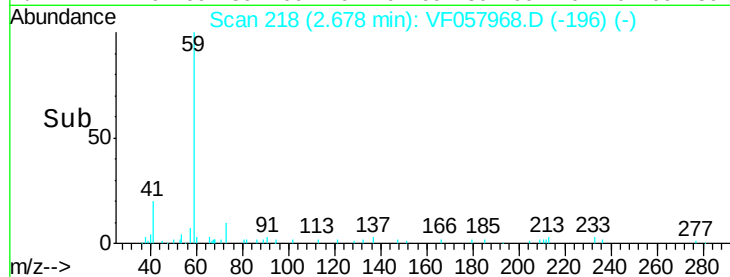
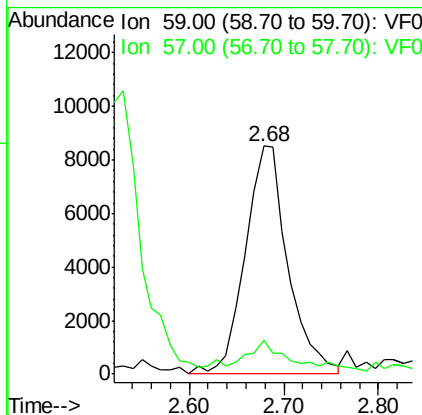
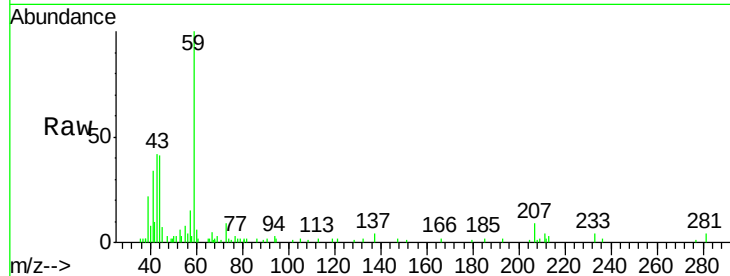


#11

Tert butyl alcohol
 Concen: 115.79 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. 0.02 min
 Lab File: VF057968.D
 Acq: 23 May 2018 4:26

Instrument :
 MSVOA_X
 ClientSampleId :

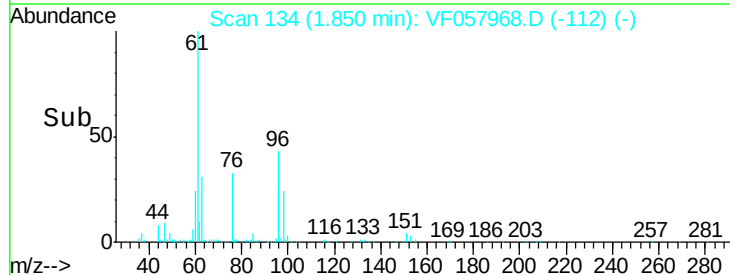
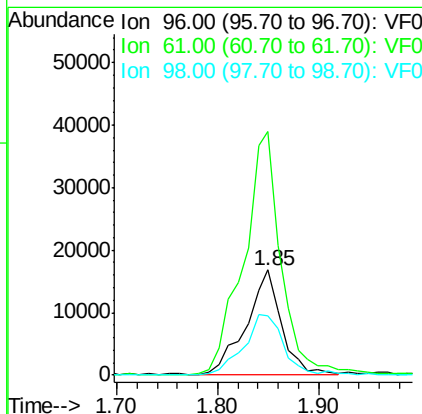
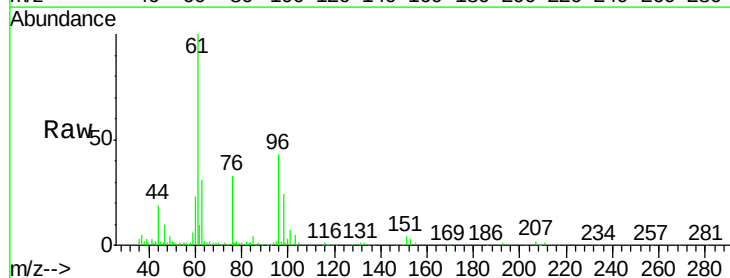
Tot Ion: 59 Resp: 26813
 Ion Ratio Lower Upper
 59 100
 57 14.7 19.8 29.6#

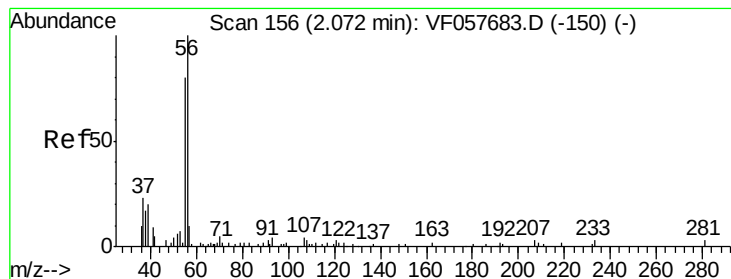


#12

1,1-Dichloroethene
 Concen: 22.14 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VF057968.D
 Acq: 23 May 2018 4:26

Tgt Ion: 96 Resp: 41498
 Ion Ratio Lower Upper
 96 100
 61 232.3 173.4 260.2
 98 56.3 47.8 71.8





#13

Acrolein

Concen: Below Cal

RT: 2.21 min Scan# 170

Delta R.T. 0.13 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

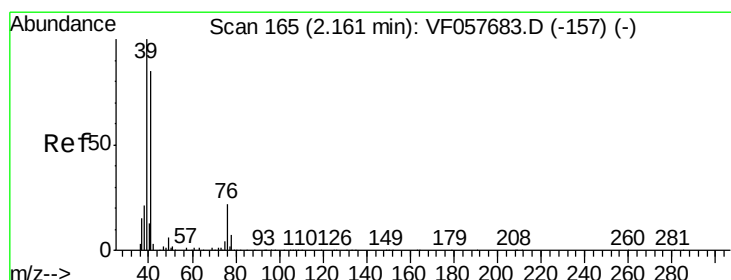
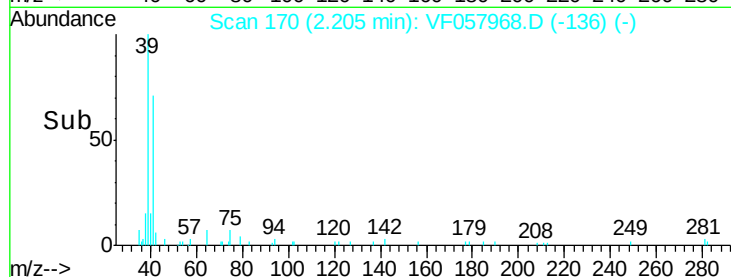
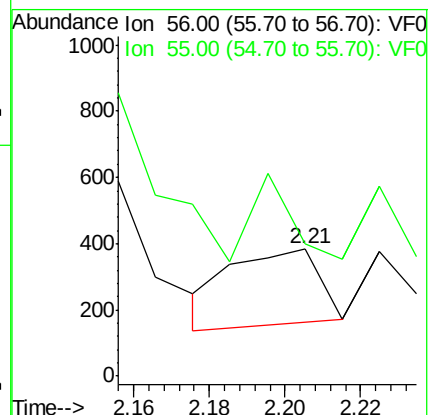
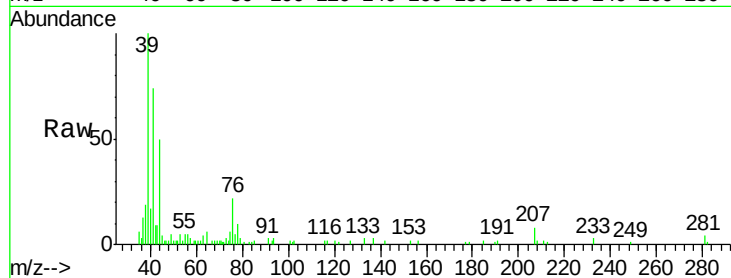
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 376

Ion Ratio Lower Upper

56 100

55 104.4 78.2 117.2



#14

Allyl chloride

Concen: 22.84 ug/l

RT: 2.18 min Scan# 167

Delta R.T. 0.01 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

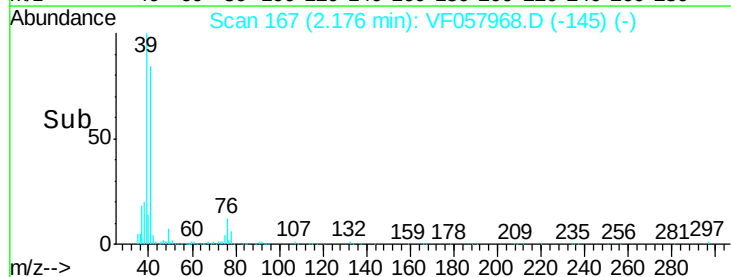
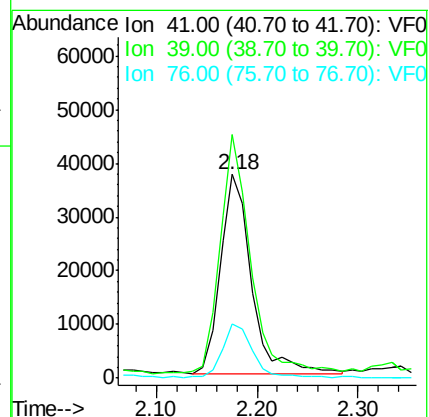
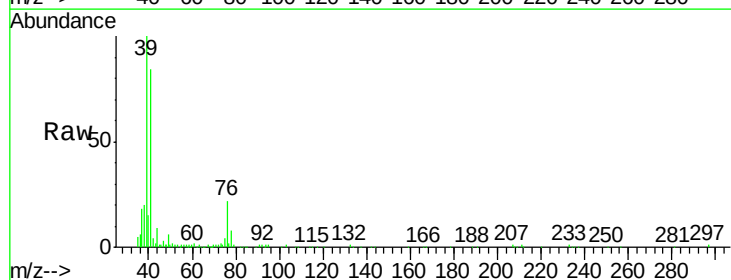
Tgt Ion: 41 Resp: 79573

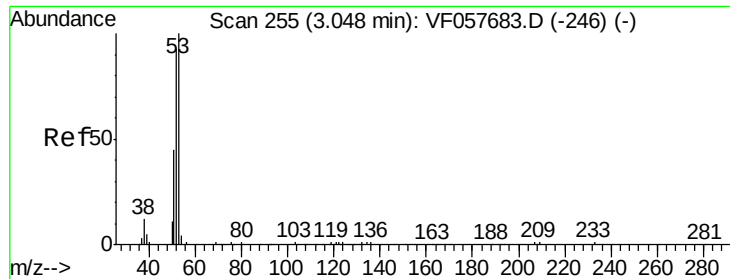
Ion Ratio Lower Upper

41 100

39 119.4 92.1 138.1

76 26.4 19.8 29.6

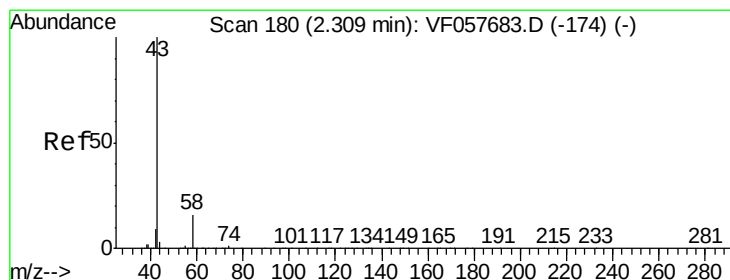
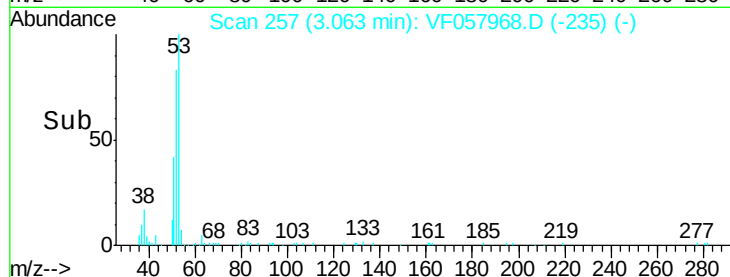
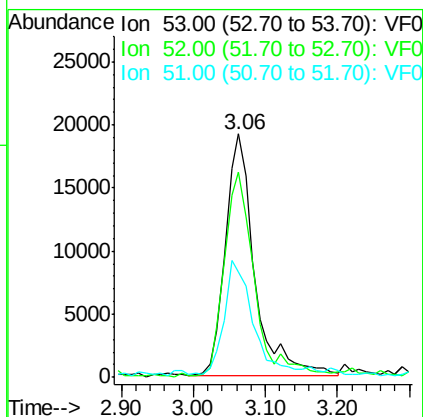
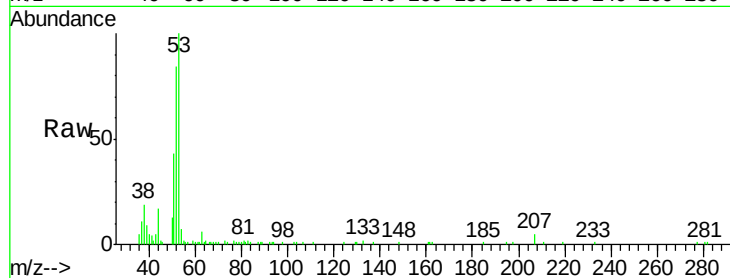




#15
 Acrylonitrile
 Concen: 120.38 ug/l
 RT: 3.06 min Scan# 257
 Delta R.T. 0.01 min
 Lab File: VF057968.D
 Acq: 23 May 2018 4:26

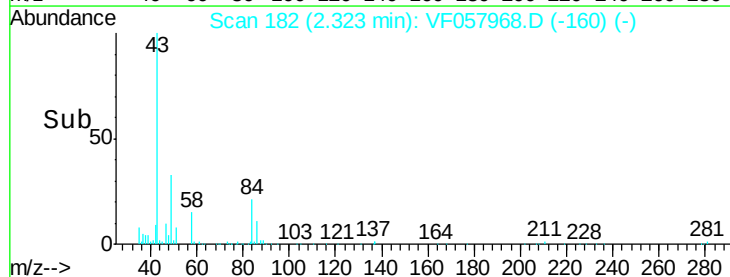
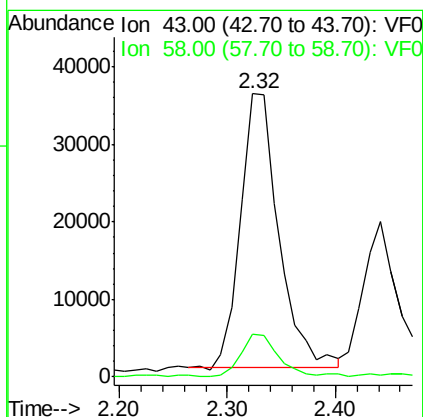
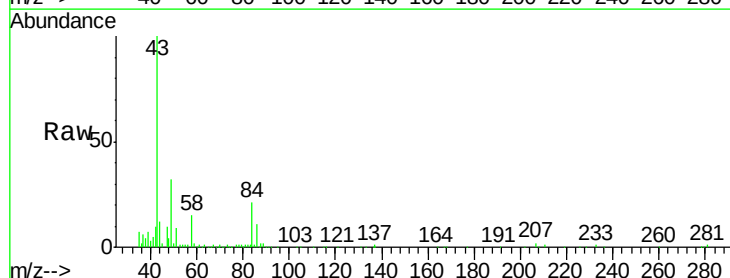
Instrument :
 MSVOA_X
 ClientSampleId :

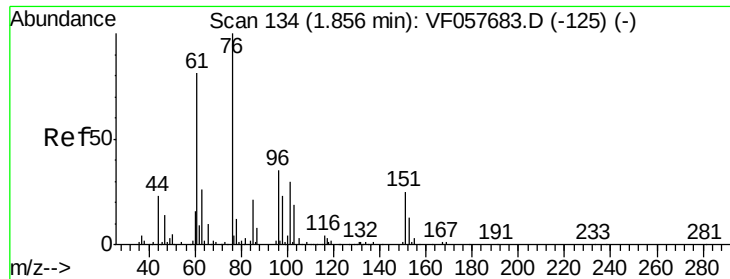
Tot Ion: 53 Resp: 54048
 Ion Ratio Lower Upper
 53 100
 52 84.4 74.4 111.6
 51 43.3 37.0 55.6



#16
 Acetone
 Concen: 85.16 ug/l
 RT: 2.32 min Scan# 182
 Delta R.T. 0.01 min
 Lab File: VF057968.D
 Acq: 23 May 2018 4:26

Tgt Ion: 43 Resp: 86599
 Ion Ratio Lower Upper
 43 100
 58 15.1 13.0 19.6





#17

Carbon Disulfide

Concen: 20.47 ug/l

RT: 1.88 min Scan# 137

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

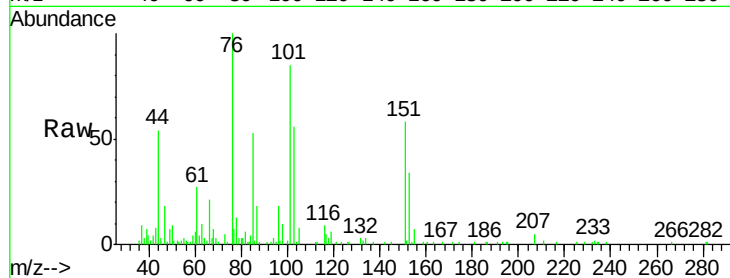
ClientSampleId :

Tot Ion: 76 Resp: 98094

Ion Ratio Lower Upper

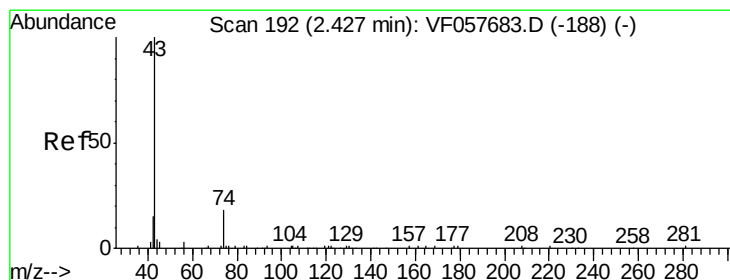
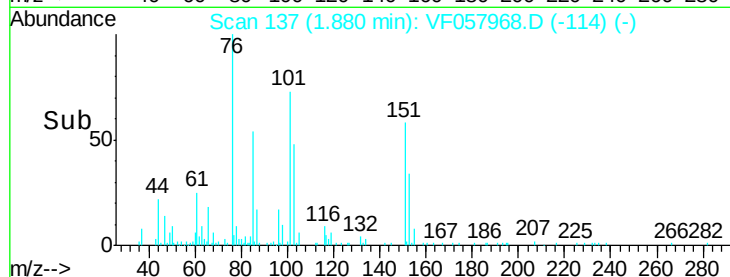
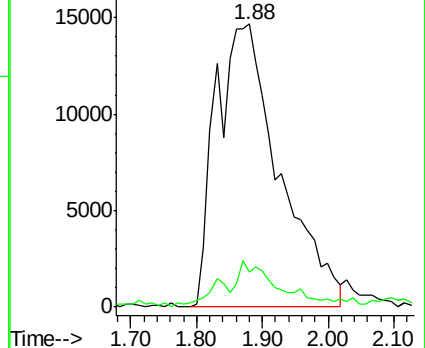
76 100

78 12.6 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: 23.79 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.01 min

Lab File: VF057968.D

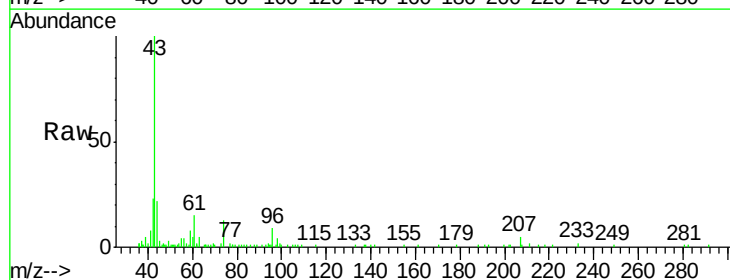
Acq: 23 May 2018 4:26

Tgt Ion: 43 Resp: 39743

Ion Ratio Lower Upper

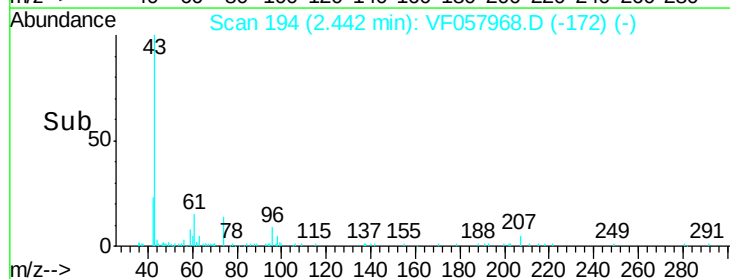
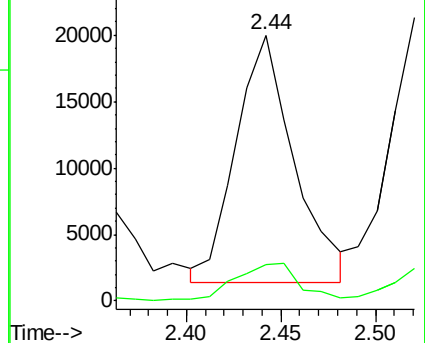
43 100

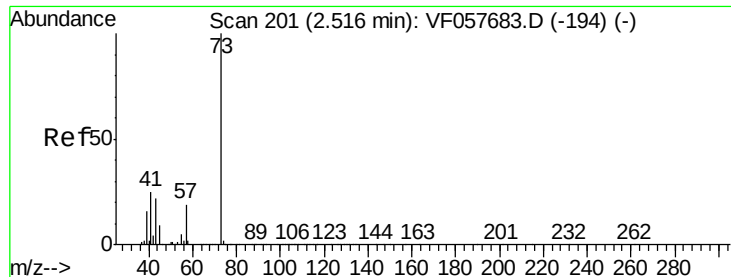
74 13.4 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



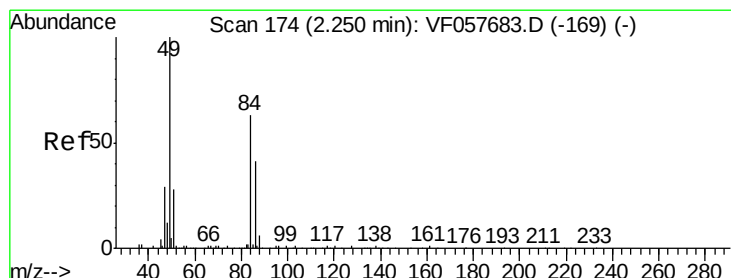
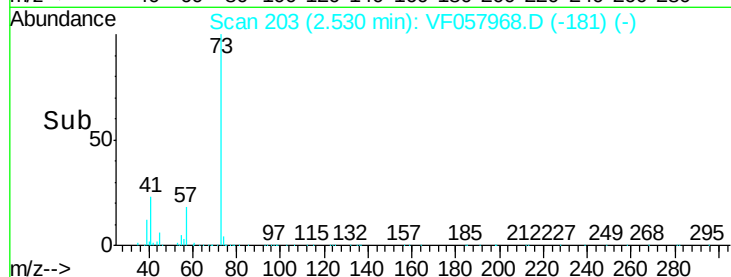
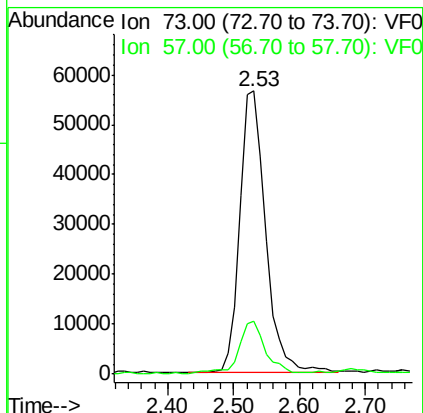
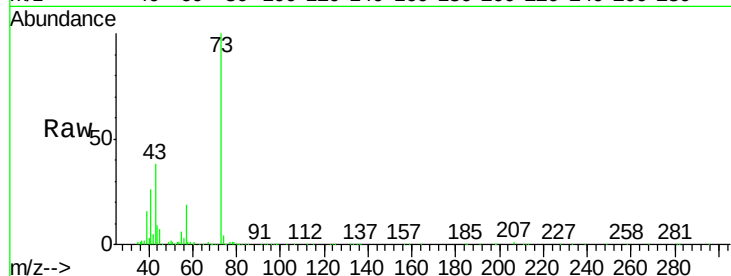


#19

Methyl tert-butyl Ether
 Concen: 26.83 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.01 min
 Lab File: VF057968.D
 Acq: 23 May 2018 4:26

Instrument :
 MSVOA_X
 ClientSampleId :

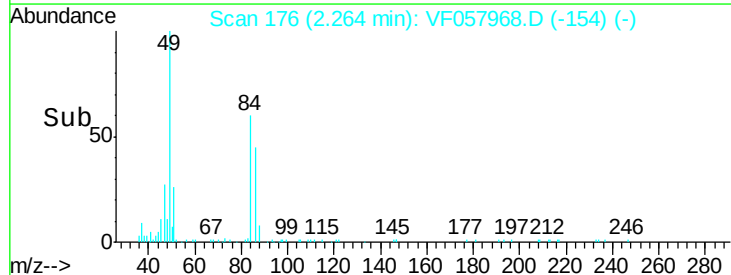
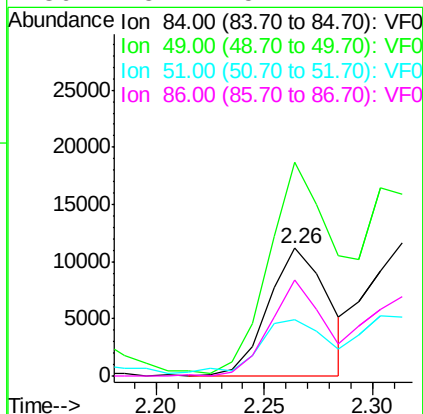
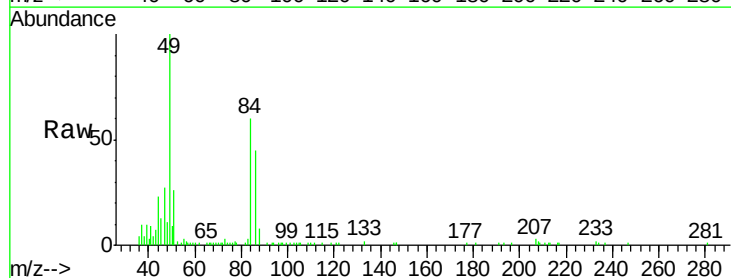
Tot Ion: 73 Resp: 157161
 Ion Ratio Lower Upper
 73 100
 57 18.6 16.5 24.7

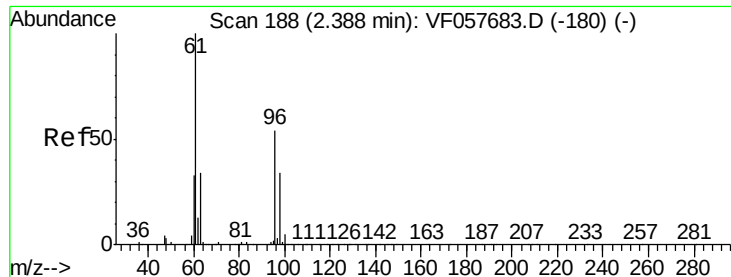


#20

Methylene Chloride
 Concen: 10.80 ug/l
 RT: 2.26 min Scan# 176
 Delta R.T. 0.02 min
 Lab File: VF057968.D
 Acq: 23 May 2018 4:26

Tgt Ion: 84 Resp: 21455
 Ion Ratio Lower Upper
 84 100
 49 167.5 126.4 189.6
 51 44.0 36.6 55.0
 86 75.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 23.07 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.01 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

ClientSampled :

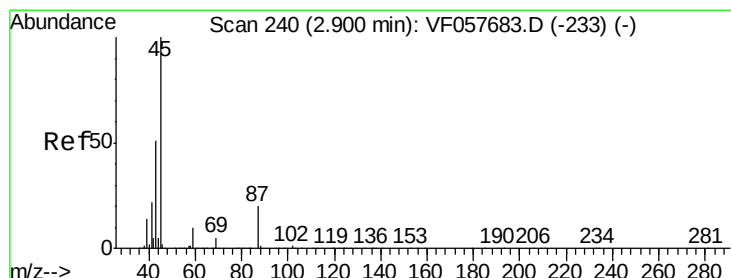
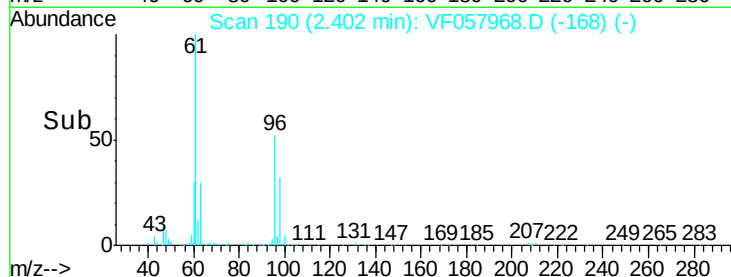
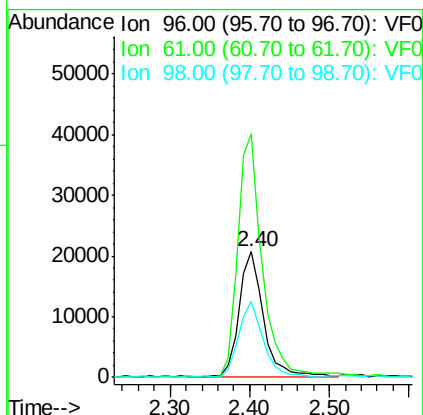
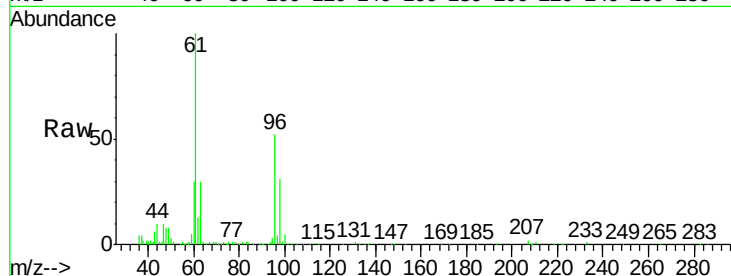
Tot Ion: 96 Resp: 44780

Ion Ratio Lower Upper

96 100

61 193.7 148.3 222.5

98 60.6 51.4 77.0



#22

Diisopropyl ether

Concen: 23.83 ug/l

RT: 2.91 min Scan# 242

Delta R.T. 0.01 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Tgt Ion: 45 Resp: 179769

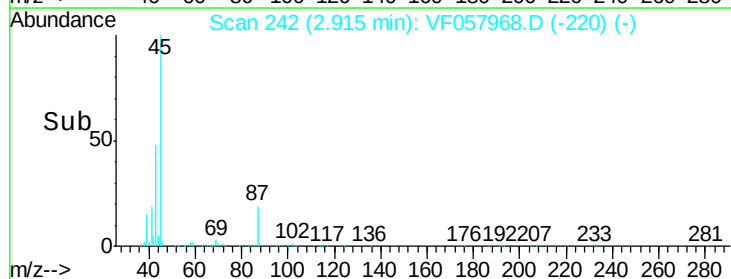
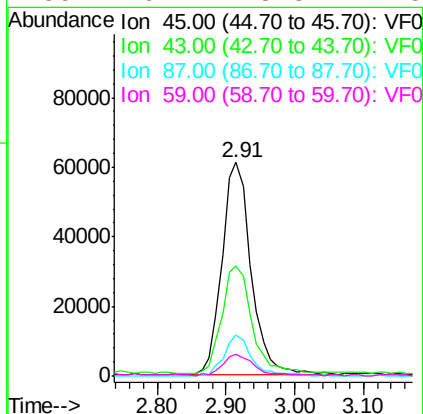
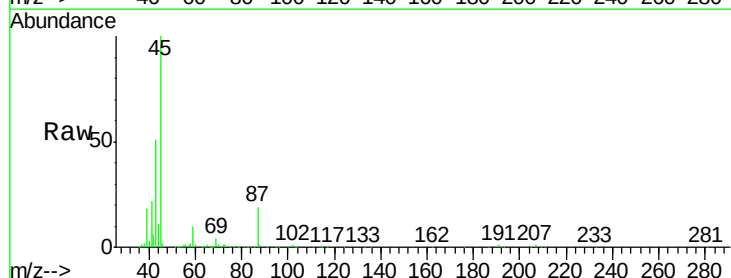
Ion Ratio Lower Upper

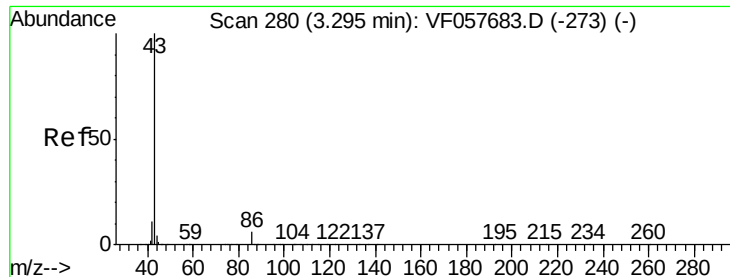
45 100

43 51.4 43.8 65.8

87 19.1 16.3 24.5

59 10.4 8.3 12.5





#23

Vinyl Acetate

Concen: 127.59 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

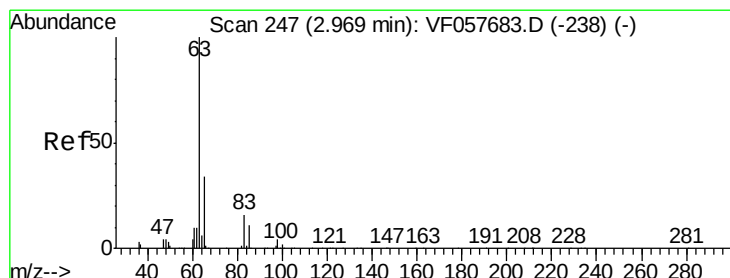
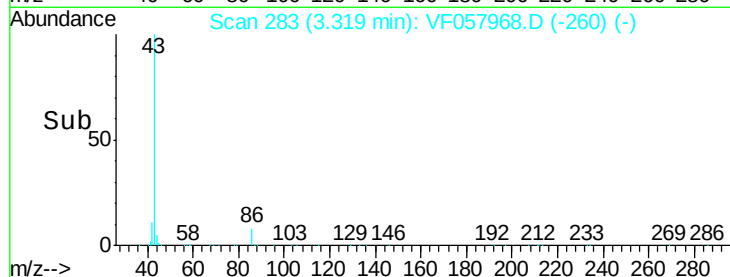
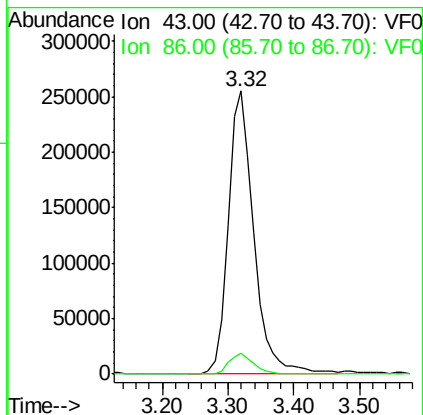
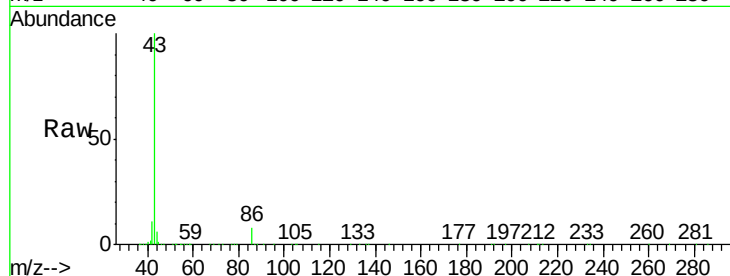
ClientSampled :

Tot Ion: 43 Resp: 693015

Ion Ratio Lower Upper

43 100

86 7.6 5.2 7.8



#24

1,1-Dichloroethane

Concen: 25.56 ug/l

RT: 2.98 min Scan# 249

Delta R.T. 0.01 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

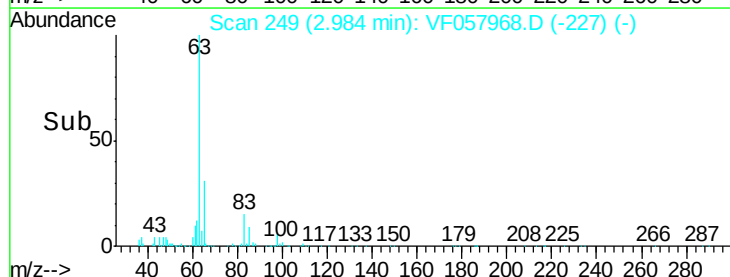
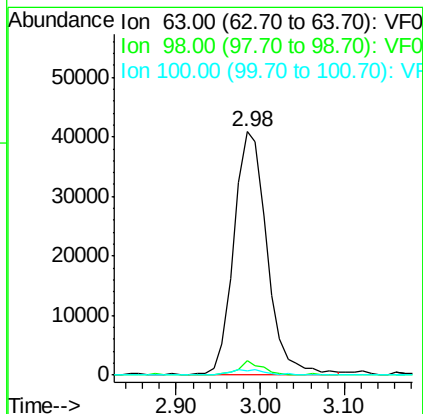
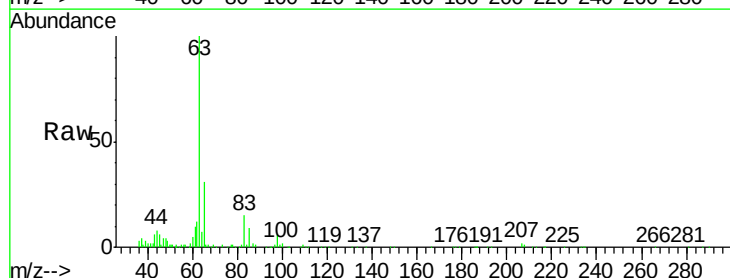
Tgt Ion: 63 Resp: 111306

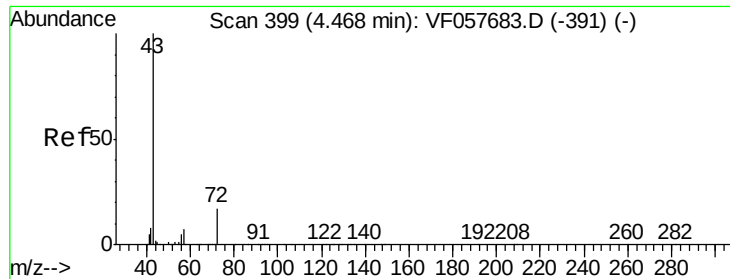
Ion Ratio Lower Upper

63 100

98 5.9 2.1 6.2

100 2.0 1.3 3.8





#25

2-Butanone

Concen: 103.54 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.03 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

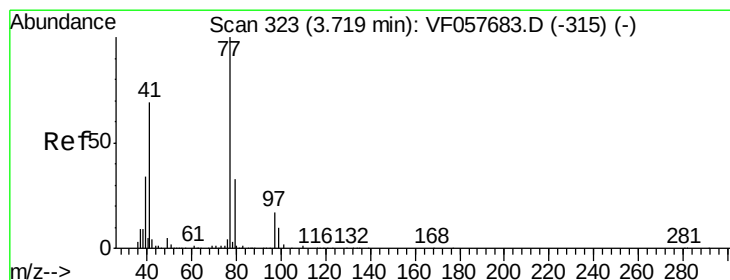
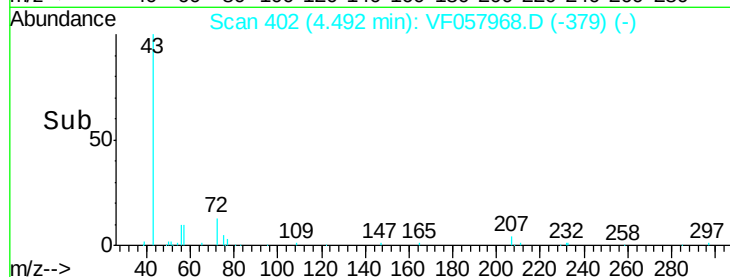
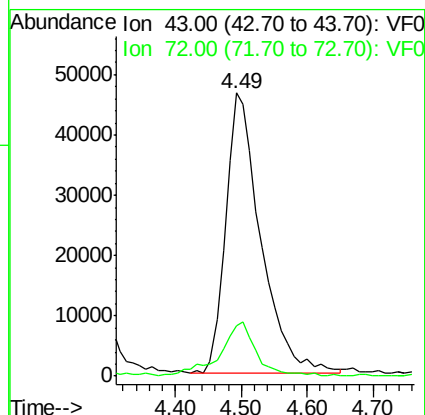
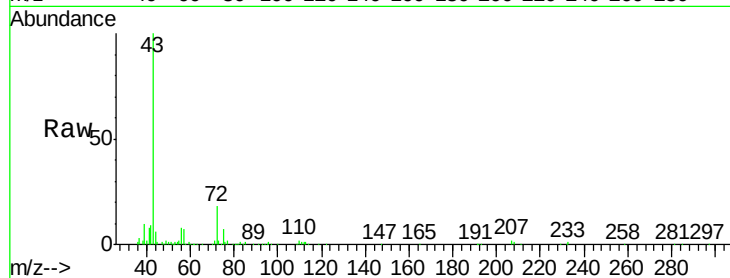
ClientSampleId :

Tot Ion: 43 Resp: 172181

Ion Ratio Lower Upper

43 100

72 17.8 15.0 22.6



#26

2,2-Dichloropropane

Concen: 20.29 ug/l

RT: 3.74 min Scan# 326

Delta R.T. 0.02 min

Lab File: VF057968.D

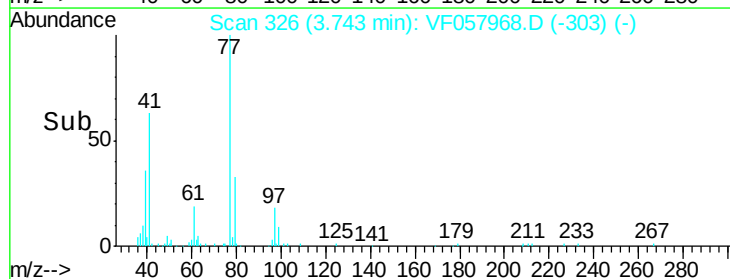
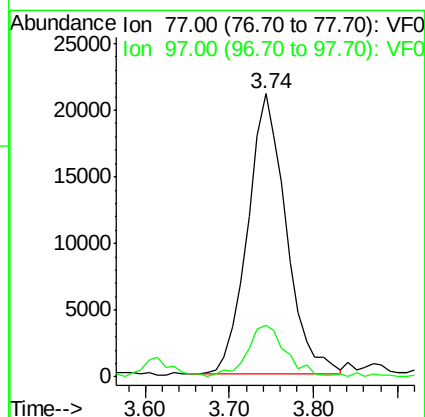
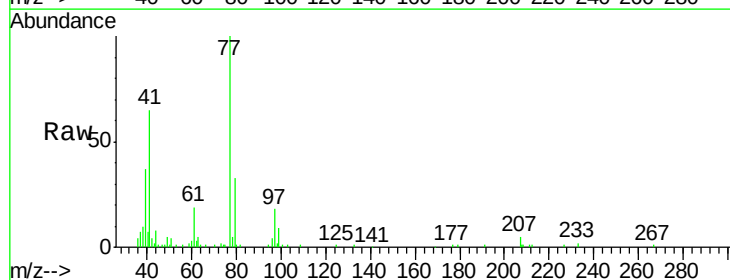
Acq: 23 May 2018 4:26

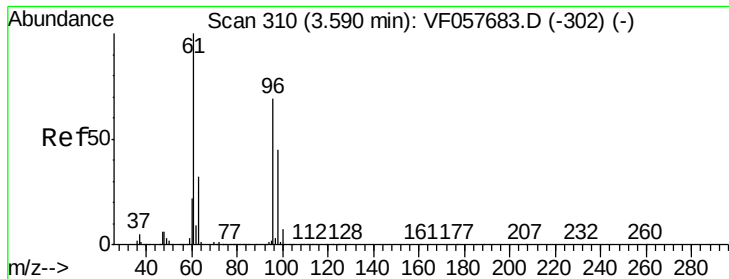
Tgt Ion: 77 Resp: 67192

Ion Ratio Lower Upper

77 100

97 18.1 9.0 27.1



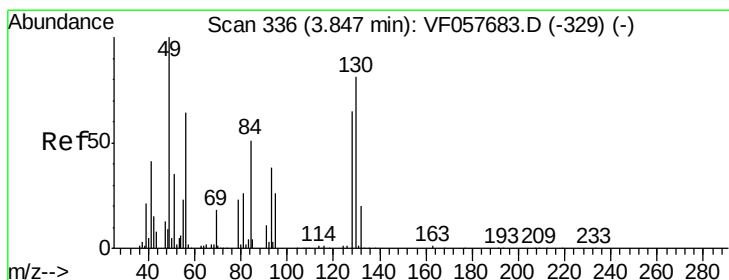
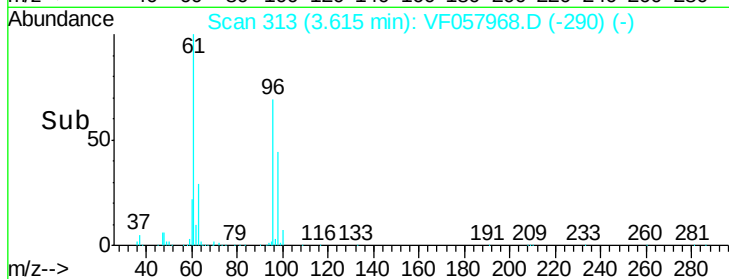
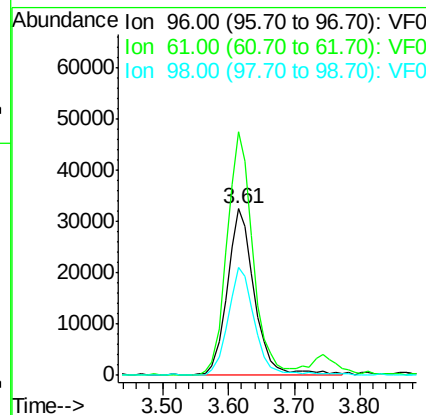
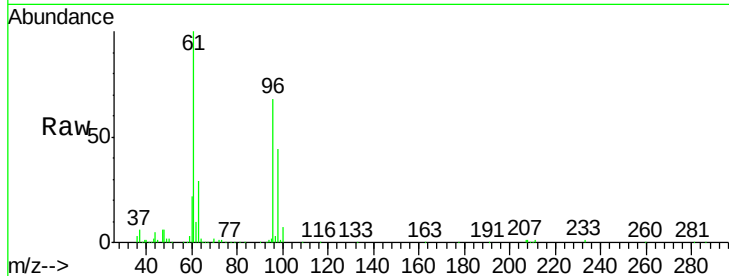


#27

cis-1,2-Dichloroethene
Concen: 26.38 ug/l
RT: 3.61 min Scan# 313
Delta R.T. 0.02 min
Lab File: VF057968.D
Acq: 23 May 2018 4:26

Instrument :
MSVOA_X
ClientSampleId :

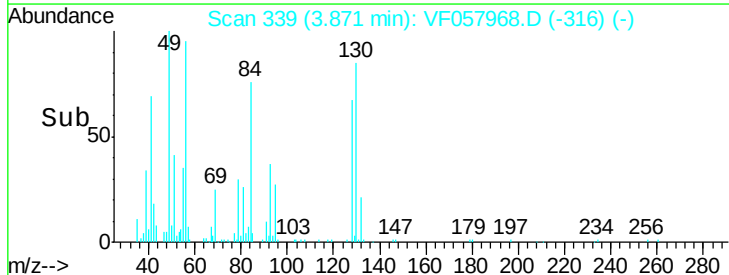
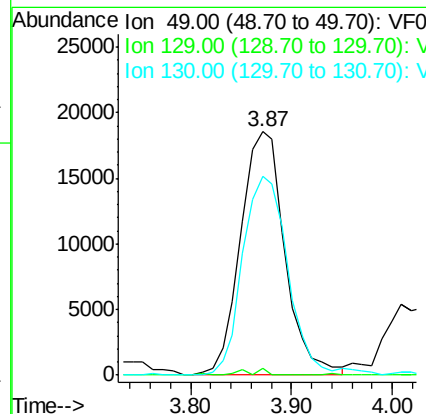
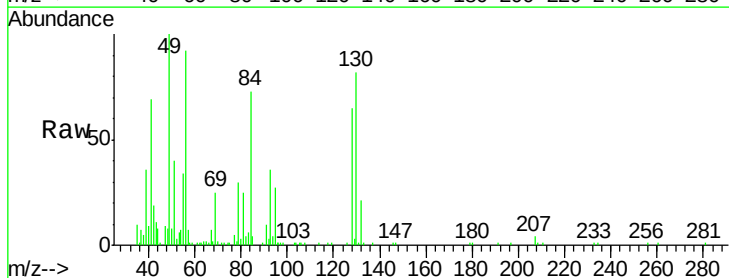
Tot Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	286.8
98	64.5	0.0	130.2

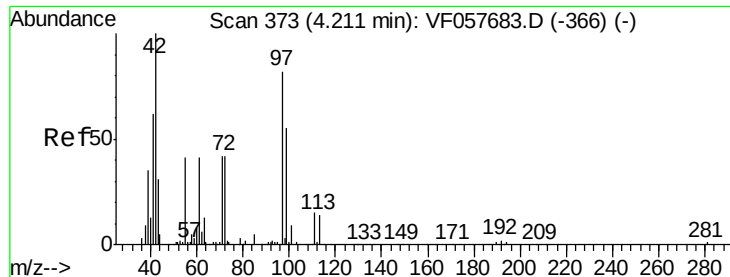


#28

Bromochloromethane
Concen: 22.69 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.02 min
Lab File: VF057968.D
Acq: 23 May 2018 4:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	0.0#
130	82.8	64.7	97.1

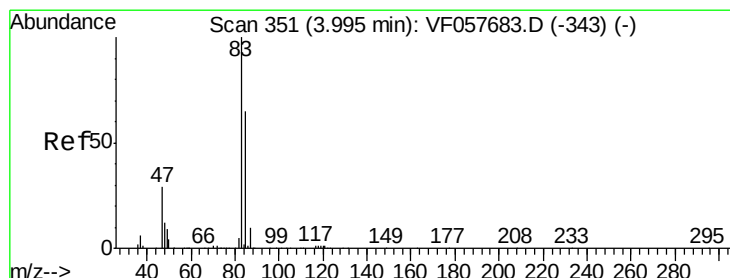
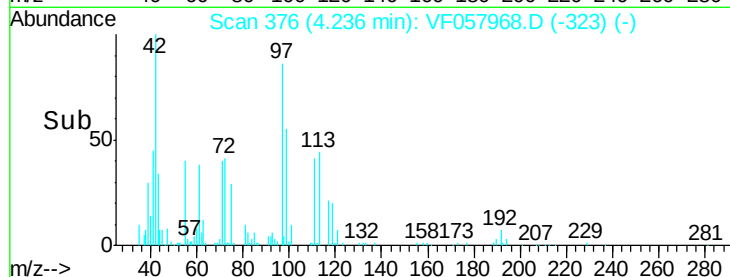
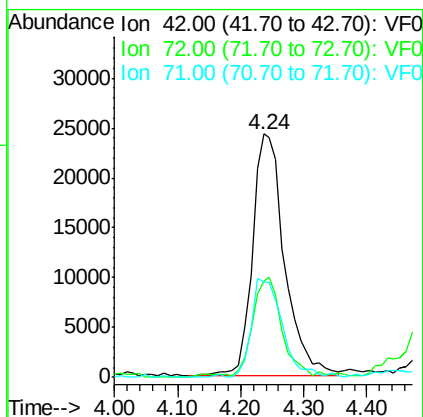
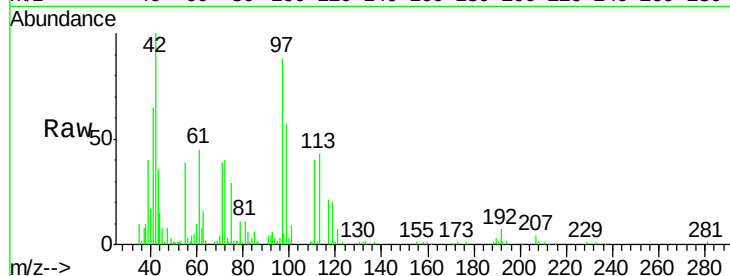




#29
Tetrahydrofuran
Concen: 125.73 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.02 min
Lab File: VF057968.D
Acq: 23 May 2018 4:26

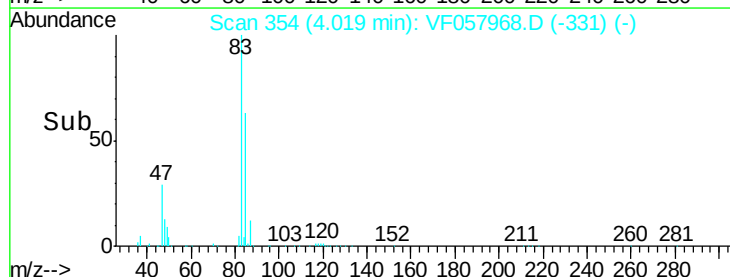
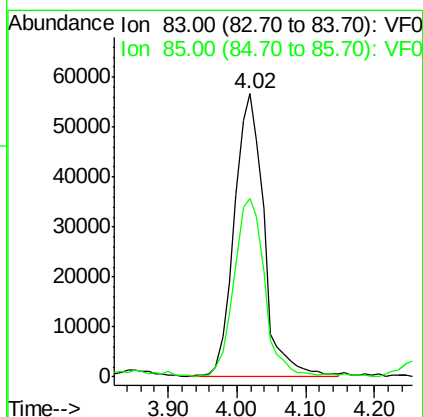
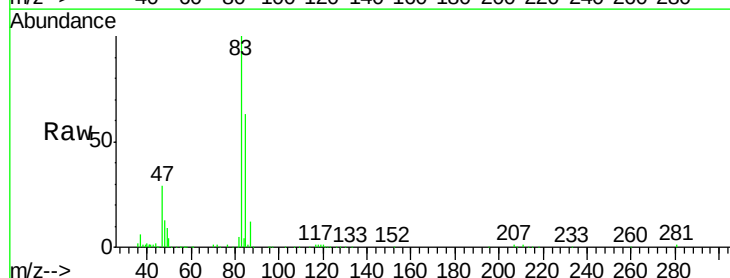
Instrument :
MSVOA_X
ClientSampleId :

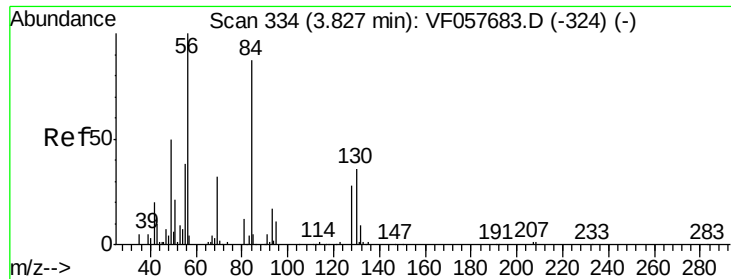
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	31.7	47.5
71	39.5	31.7	47.5



#30
Chloroform
Concen: 24.19 ug/l
RT: 4.02 min Scan# 354
Delta R.T. 0.02 min
Lab File: VF057968.D
Acq: 23 May 2018 4:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.1	78.1

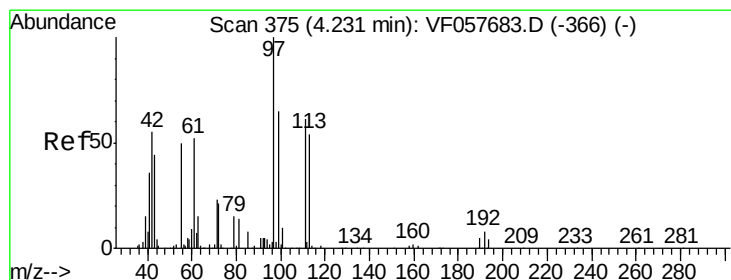
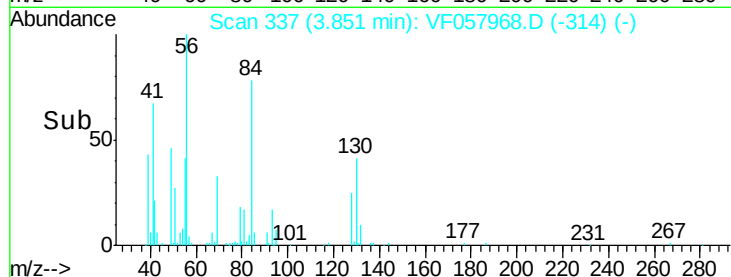
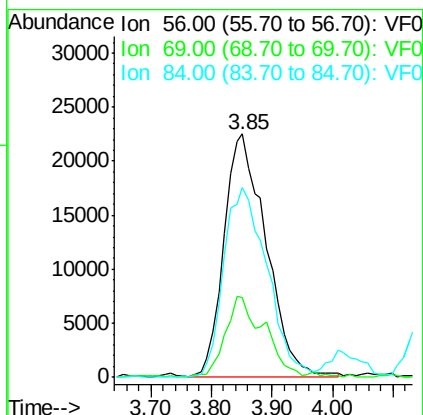
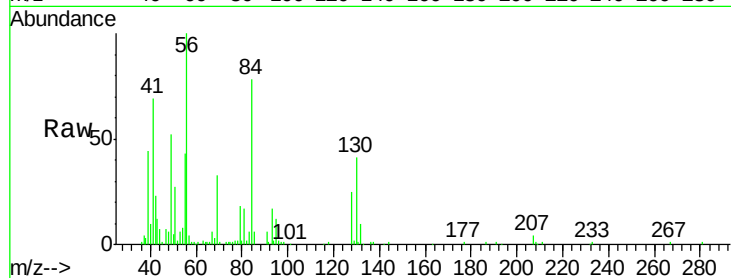




#31
Cyclohexane
Concen: 24.65 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.02 min
Lab File: VF057968.D
Acq: 23 May 2018 4:26

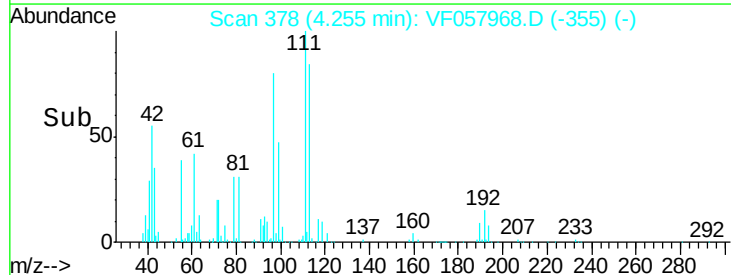
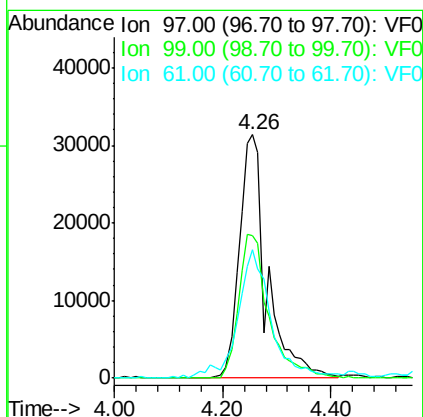
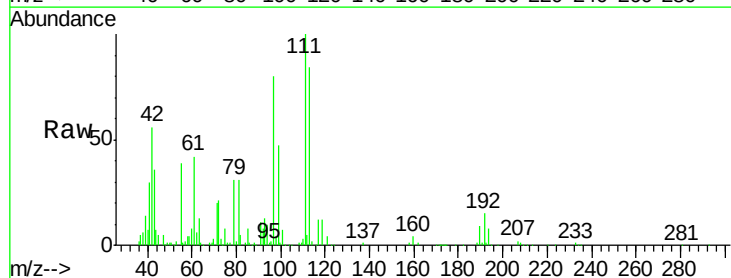
Instrument :
MSVOA_X
ClientSampled :

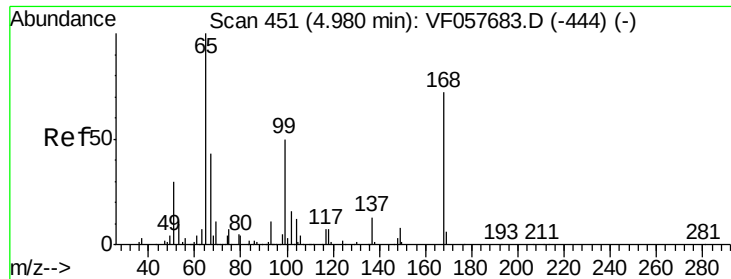
Tot Ion: 56 Resp: 109134
Ion Ratio Lower Upper
56 100
69 32.7 26.9 40.3
84 78.1 69.8 104.6



#32
1,1,1-Trichloroethane
Concen: 23.05 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.02 min
Lab File: VF057968.D
Acq: 23 May 2018 4:26

Tgt Ion: 97 Resp: 110099
Ion Ratio Lower Upper
97 100
99 58.6 51.7 77.5
61 52.9 42.2 63.2

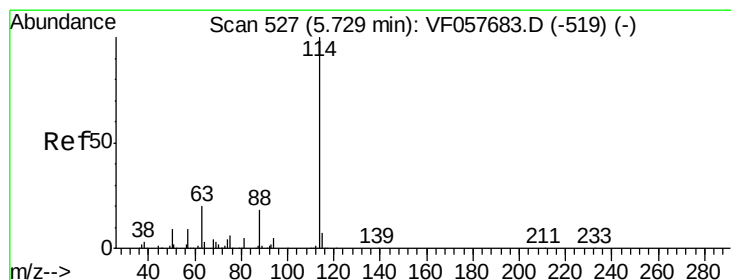
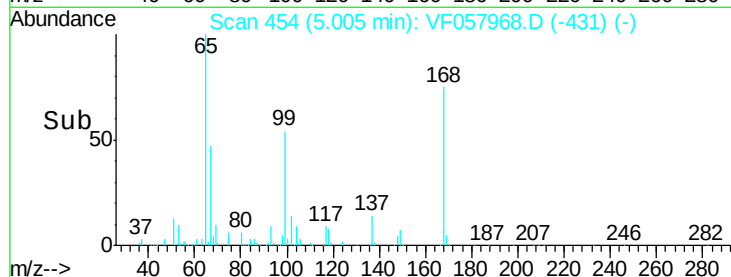
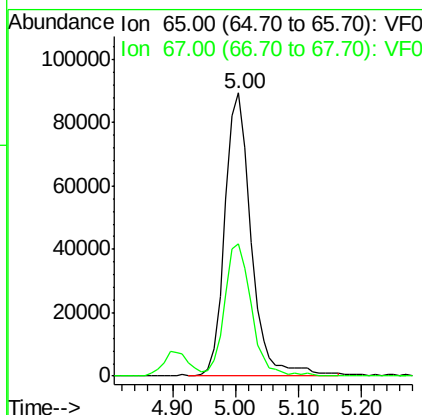
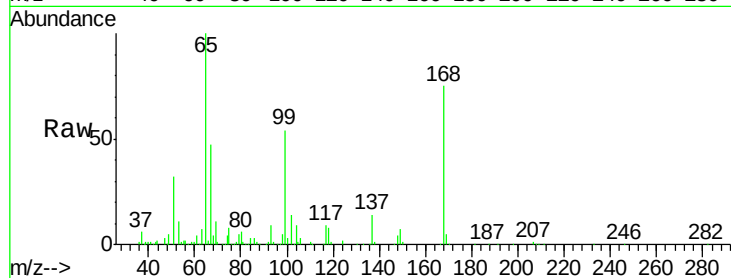




#33
 1,2-Dichloroethane-d4
 Concen: 62.01 ug/l
 RT: 5.00 min Scan# 454
 Delta R.T. 0.02 min
 Lab File: VF057968.D
 Acq: 23 May 2018 4:26

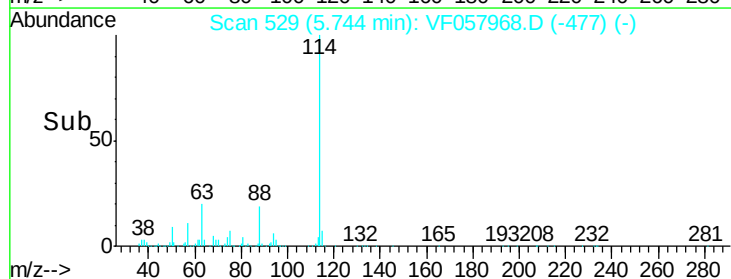
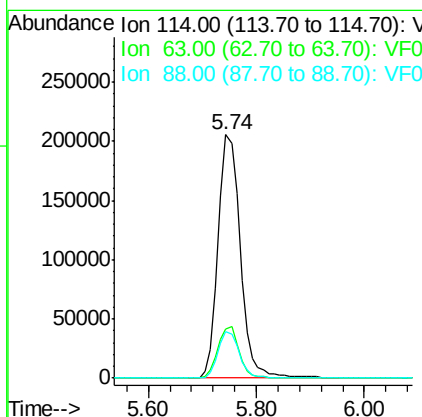
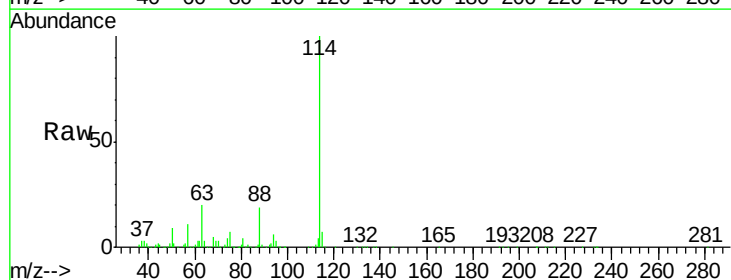
Instrument :
 MSVOA_X
 ClientSampleId :

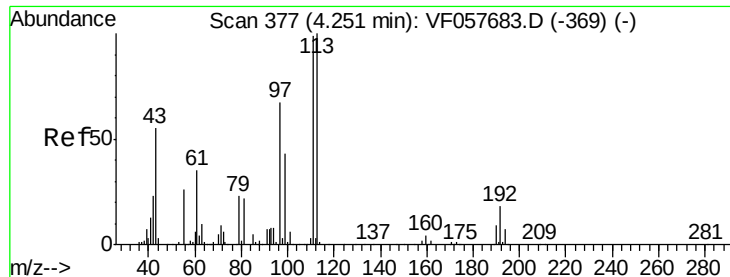
Tot Ion: 65 Resp: 258086
 Ion Ratio Lower Upper
 65 100
 67 46.7 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.74 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VF057968.D
 Acq: 23 May 2018 4:26

Tgt Ion: 114 Resp: 588840
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 19.4 0.0 37.2





#35

Dibromofluoromethane

Concen: 53.28 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :
MSVOA_X
ClientSampled :

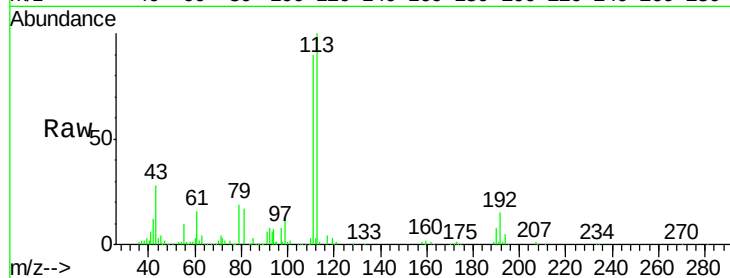
Tot Ion:113 Resp: 224316

Ion Ratio Lower Upper

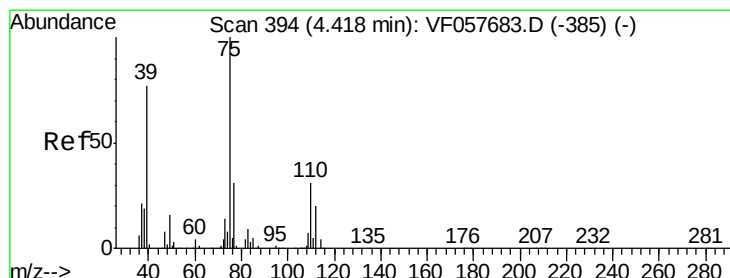
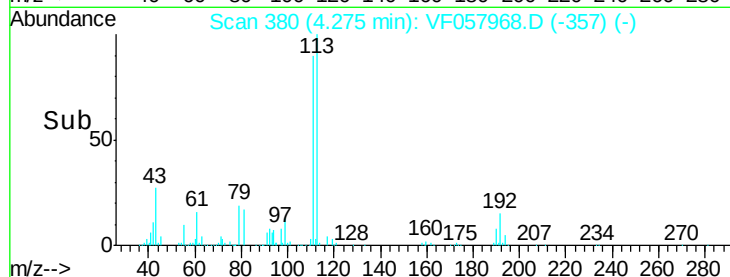
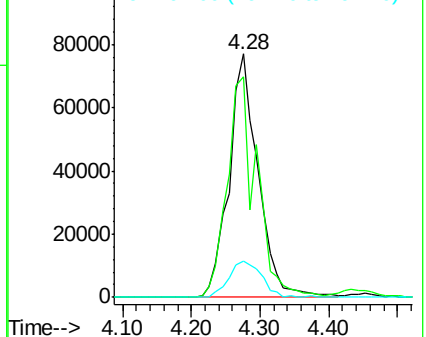
113 100

111 90.5 79.1 118.7

192 14.7 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: 23.72 ug/l

RT: 4.44 min Scan# 397

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

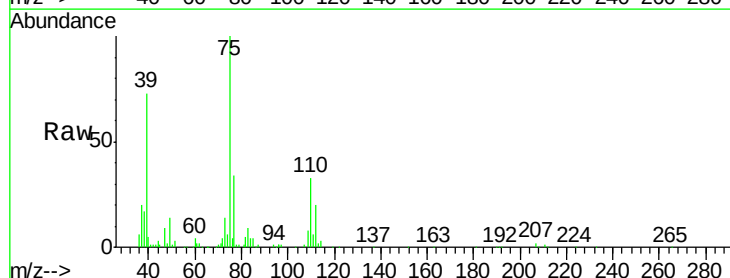
Tgt Ion: 75 Resp: 124518

Ion Ratio Lower Upper

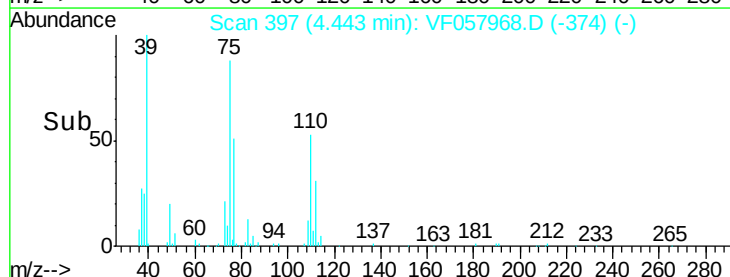
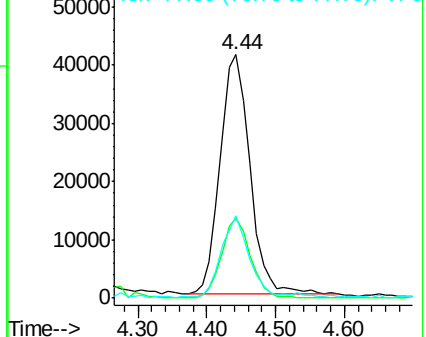
75 100

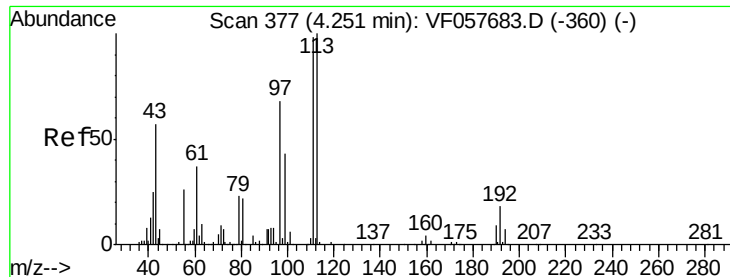
110 32.6 15.5 46.5

77 34.0 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: 23.23 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.03 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

ClientSampleId :

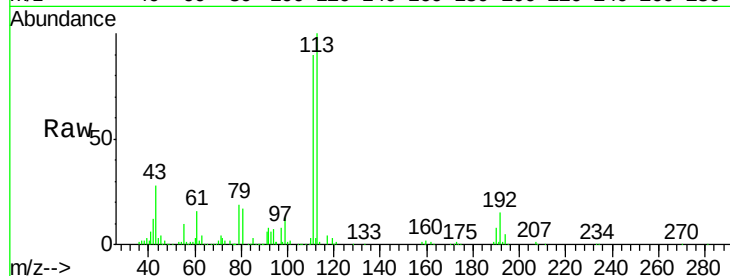
Tot Ion: 43 Resp: 87041

Ion Ratio Lower Upper

43 100

61 59.5 49.4 74.2

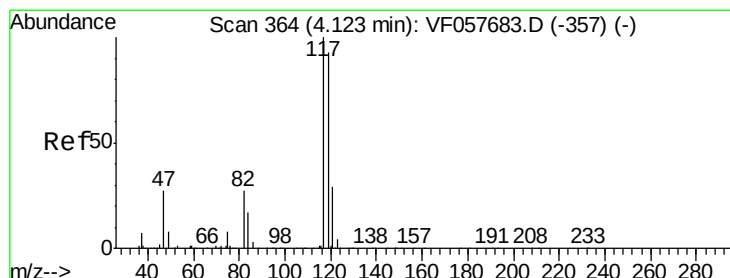
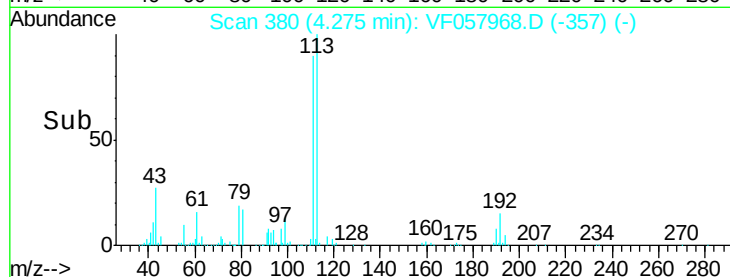
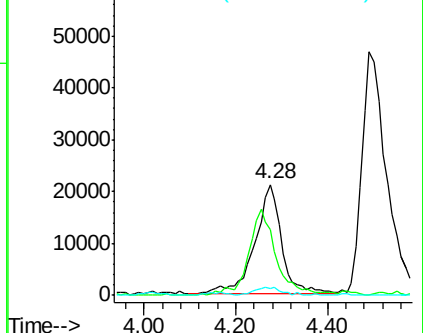
70 6.4 7.6 11.4#



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: 8.00 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

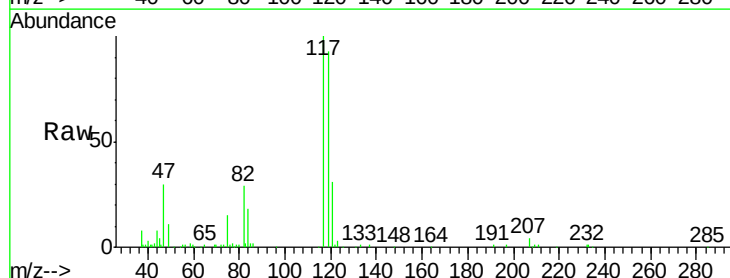
Tgt Ion: 117 Resp: 44595

Ion Ratio Lower Upper

117 100

119 93.4 74.2 111.2

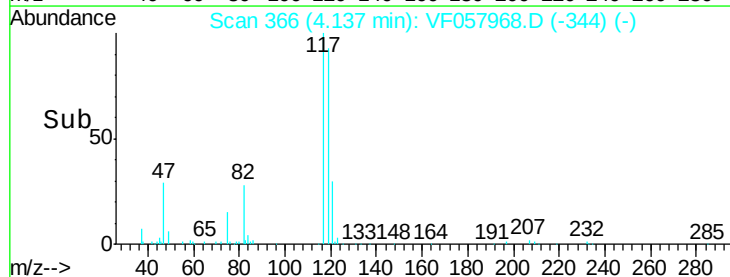
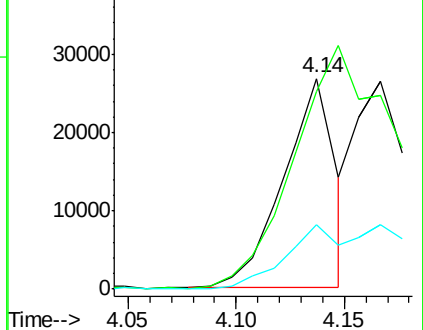
121 30.5 23.5 35.3

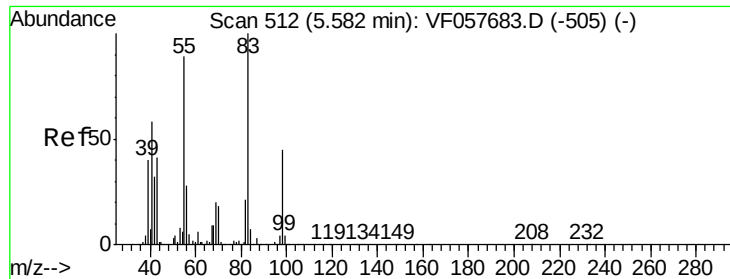


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

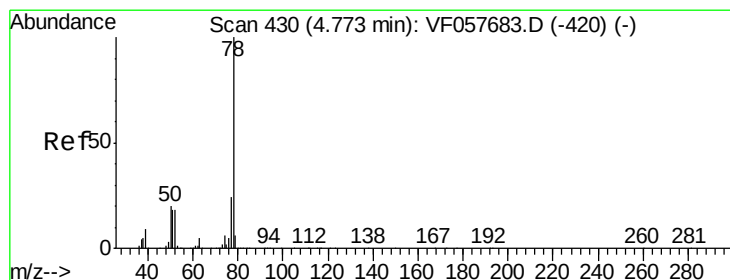
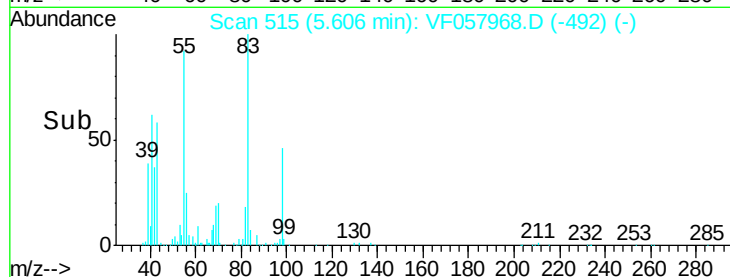
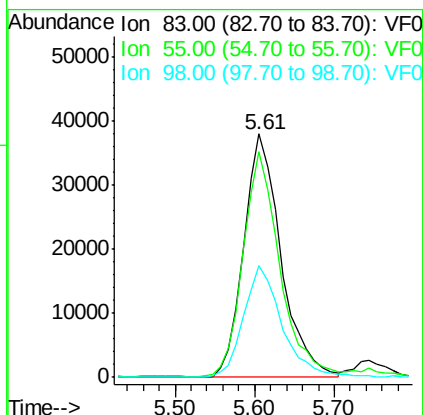
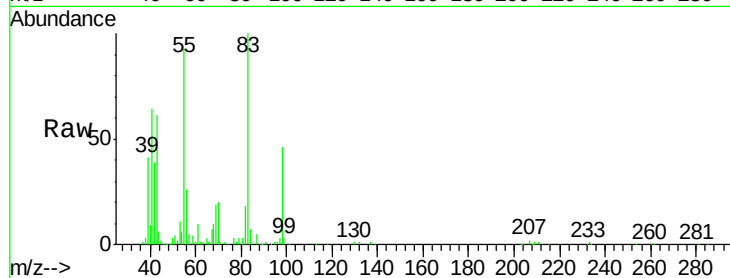




#39
Methylvlcyclohexane
Concen: 22.20 ug/l
RT: 5.61 min Scan# 515
Delta R.T. 0.02 min
Lab File: VF057968.D
Acq: 23 May 2018 4:26

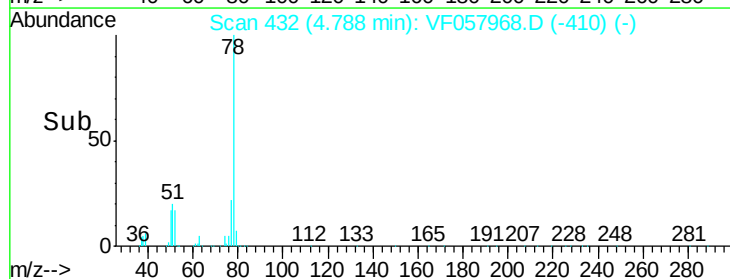
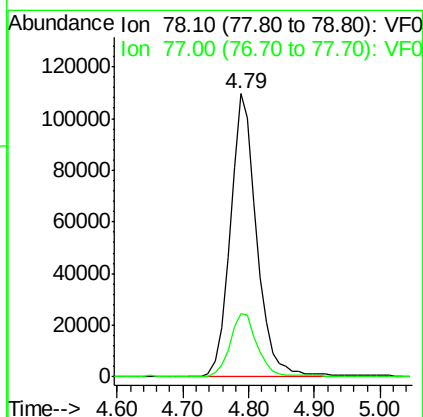
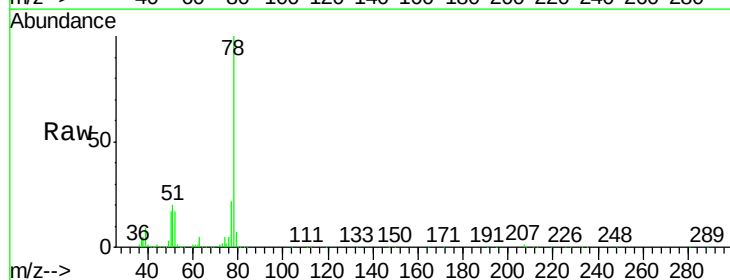
Instrument :
MSVOA_X
ClientSampleId :

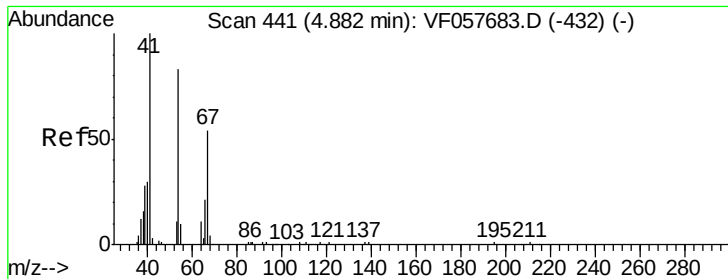
Tot Ion: 83 Resp: 122803
Ion Ratio Lower Upper
83 100
55 92.8 71.8 107.8
98 46.1 36.6 54.8



#40
Benzene
Concen: 24.04 ug/l
RT: 4.79 min Scan# 432
Delta R.T. 0.01 min
Lab File: VF057968.D
Acq: 23 May 2018 4:26

Tgt Ion: 78 Resp: 307380
Ion Ratio Lower Upper
78 100
77 22.4 19.3 28.9





#41

Methacrylonitrile

Concen: 22.83 ug/l

RT: 4.91 min Scan# 444

Delta R.T. 0.03 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 41 Resp: 43499

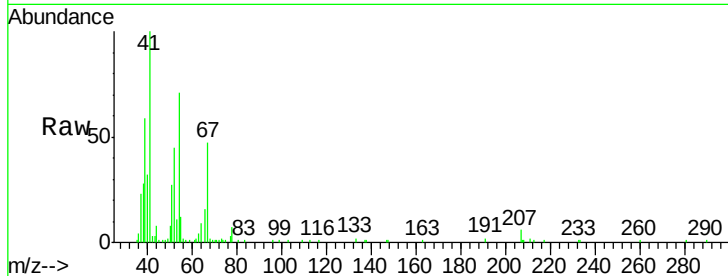
Ion Ratio Lower Upper

41 100

39 58.7 49.0 73.4

67 46.9 41.3 61.9

52 44.8 35.4 53.0

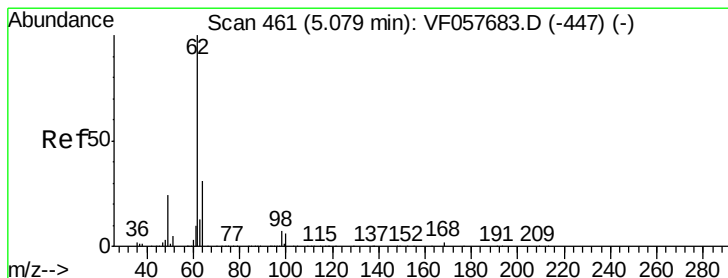
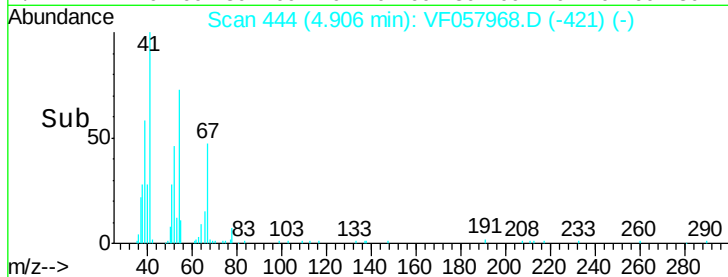
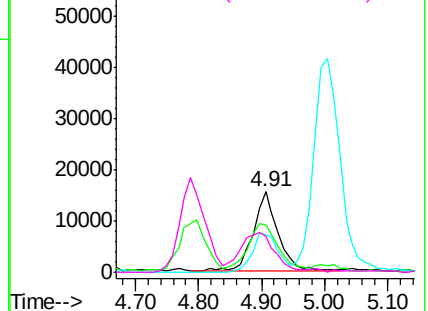


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 24.39 ug/l

RT: 5.10 min Scan# 464

Delta R.T. 0.02 min

Lab File: VF057968.D

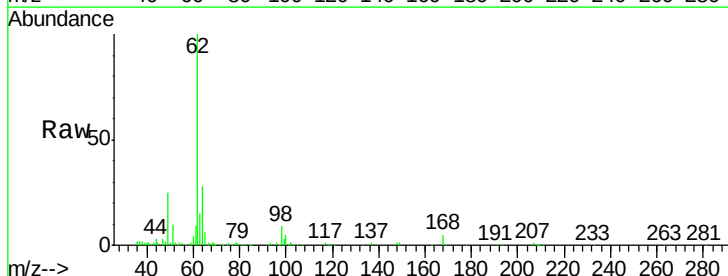
Acq: 23 May 2018 4:26

Tgt Ion: 62 Resp: 131518

Ion Ratio Lower Upper

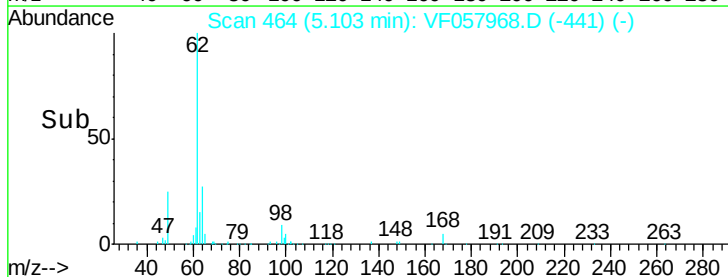
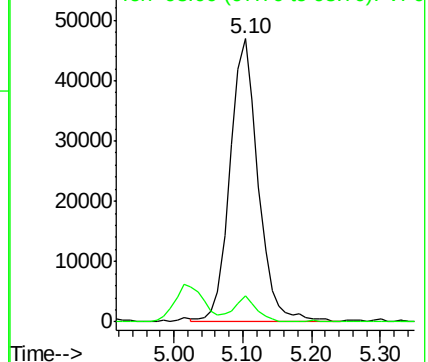
62 100

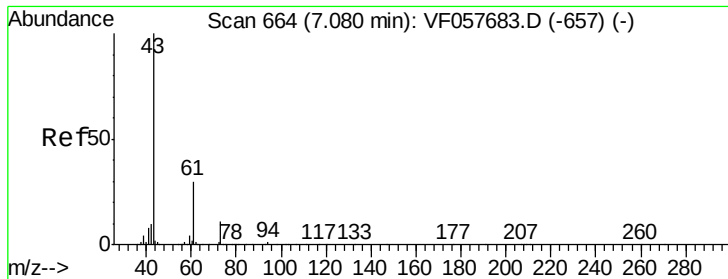
98 9.1 0.0 14.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 23.02 ug/l

RT: 7.09 min Scan# 666

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

ClientSampleId :

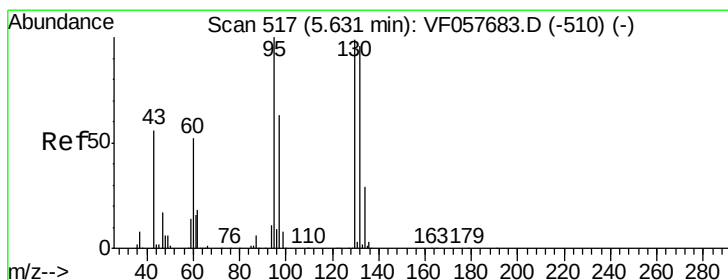
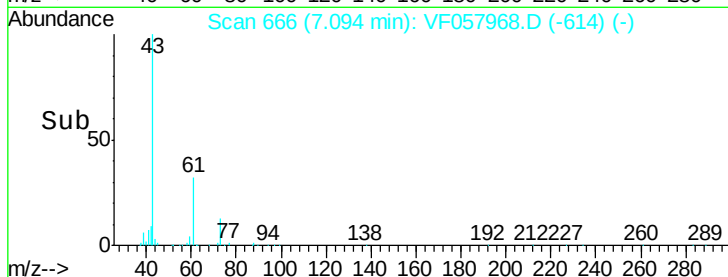
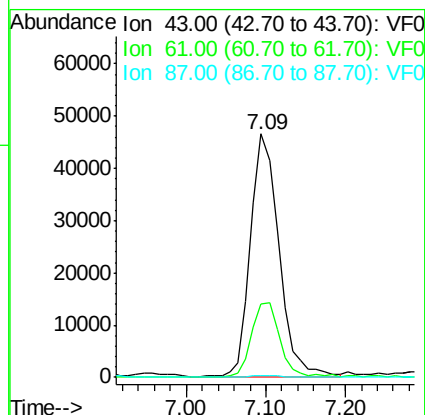
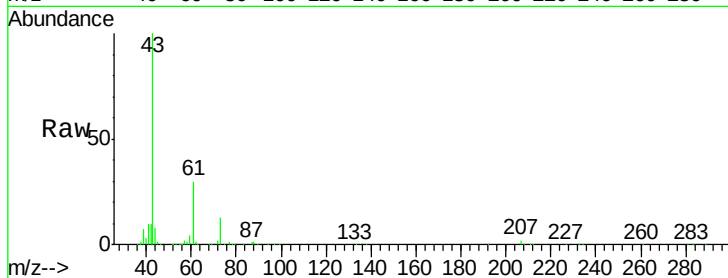
Tot Ion: 43 Resp: 113825

Ion Ratio Lower Upper

43 100

61 30.2 23.8 35.6

87 0.9 0.3 0.5#



#44

Trichloroethene

Concen: 23.18 ug/l

RT: 5.66 min Scan# 520

Delta R.T. 0.02 min

Lab File: VF057968.D

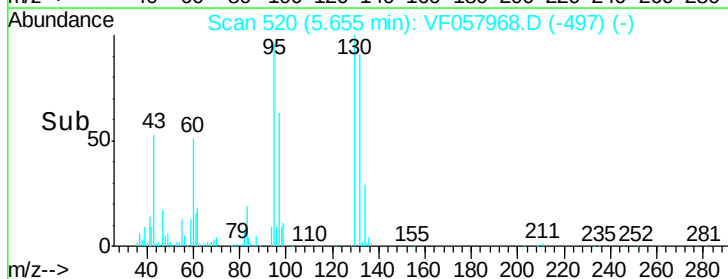
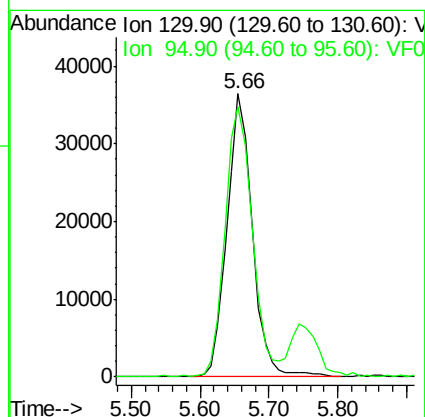
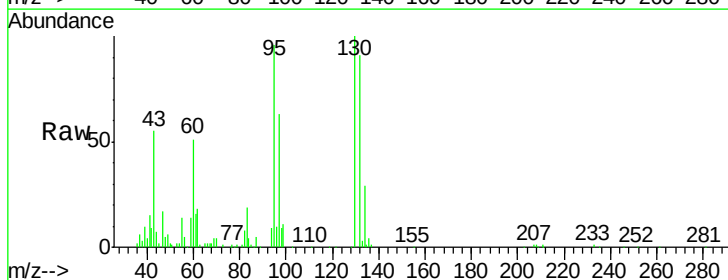
Acq: 23 May 2018 4:26

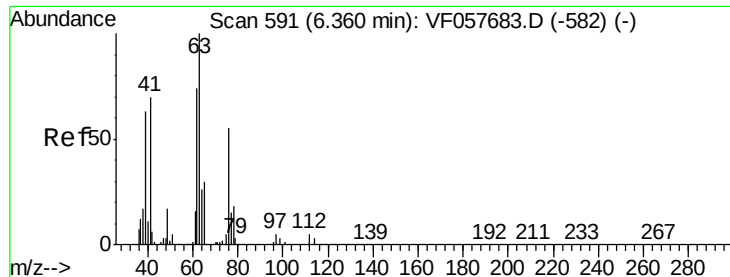
Tgt Ion: 130 Resp: 93023

Ion Ratio Lower Upper

130 100

95 95.5 0.0 202.0





#45

1,2-Dichloropropane

Concen: 24.68 ug/l

RT: 6.38 min Scan# 594

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

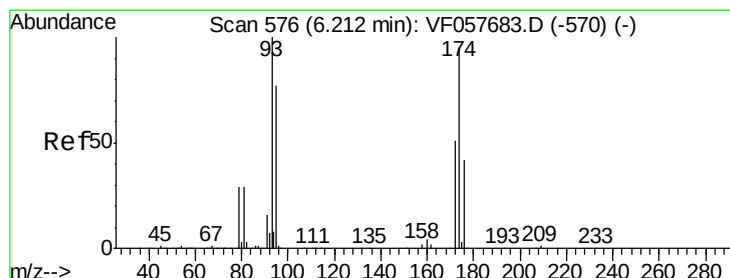
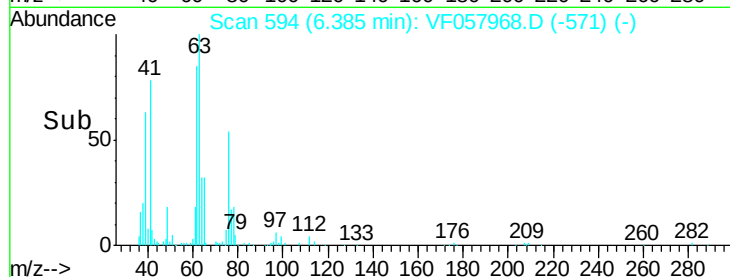
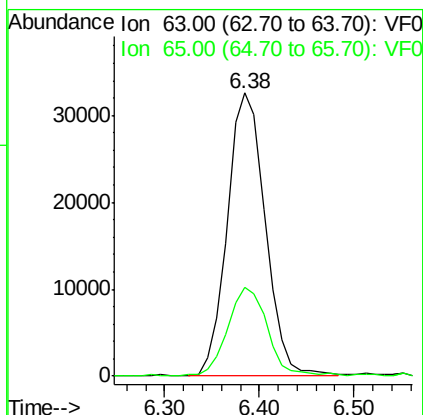
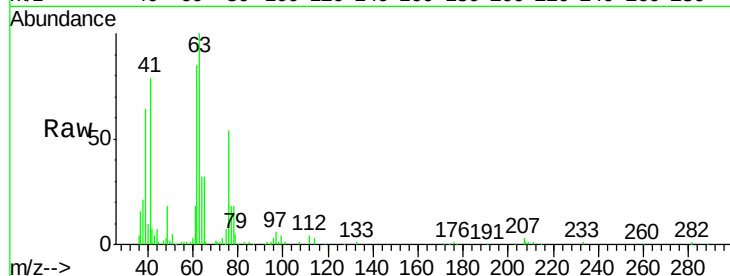
ClientSampleId :

Tot Ion: 63 Resp: 90515

Ion Ratio Lower Upper

63 100

65 31.6 24.6 36.8



#46

Dibromomethane

Concen: 23.70 ug/l

RT: 6.24 min Scan# 579

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

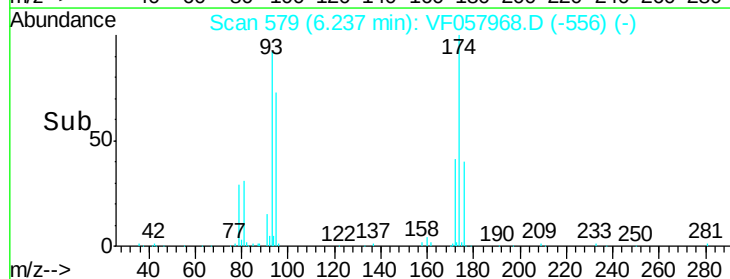
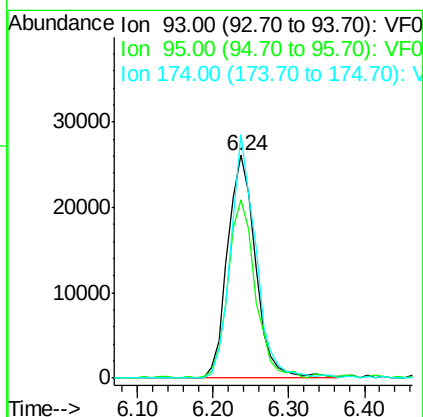
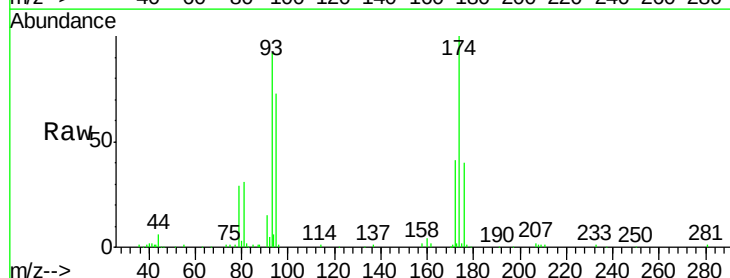
Tgt Ion: 93 Resp: 66803

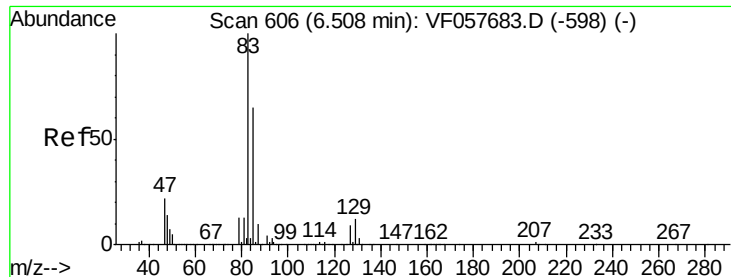
Ion Ratio Lower Upper

93 100

95 80.0 62.0 93.0

174 109.2 75.5 113.3





#47

Bromodichloromethane

Concen: 23.63 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

ClientSampleId :

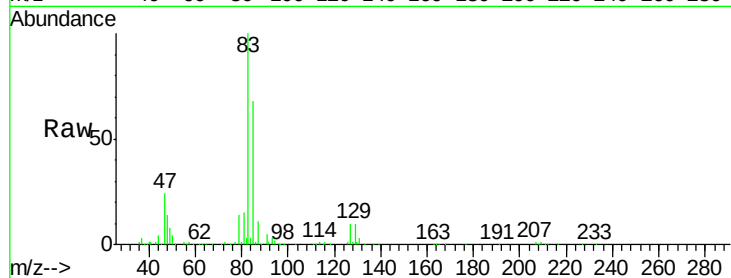
Tot Ion: 83 Resp: 148750

Ion Ratio Lower Upper

83 100

85 68.4 51.9 77.9

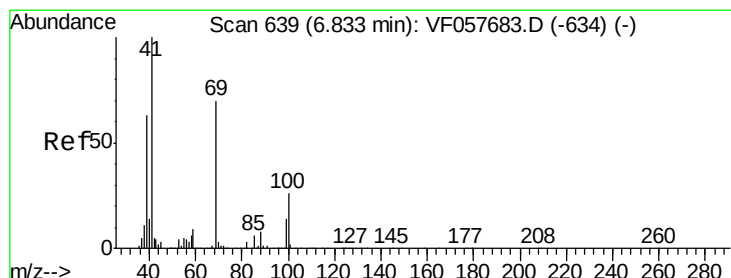
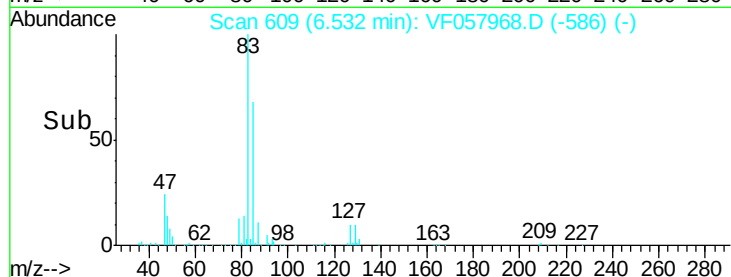
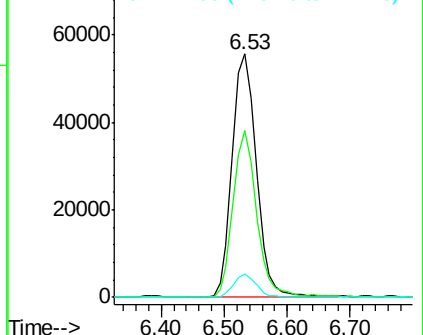
127 9.7 6.8 10.2



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: 21.62 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

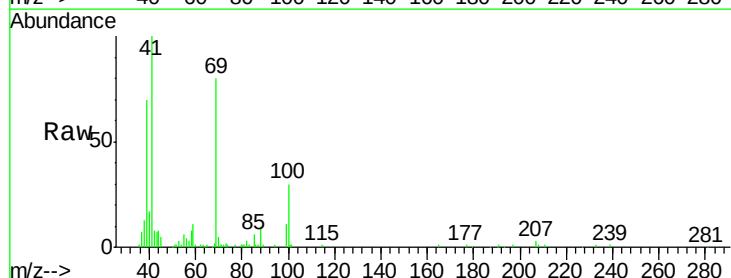
Tgt Ion: 41 Resp: 70805

Ion Ratio Lower Upper

41 100

69 80.2 55.2 82.8

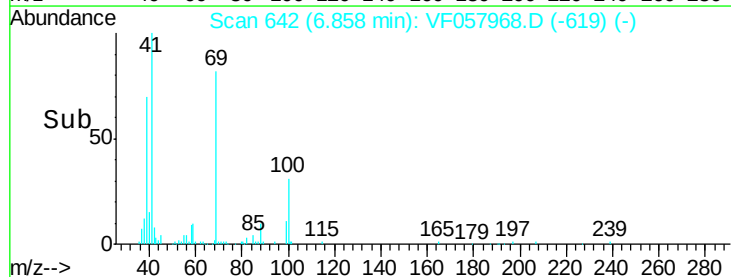
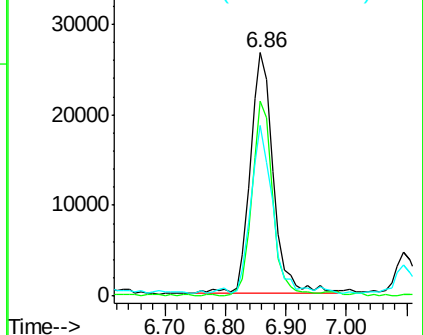
39 70.1 50.7 76.1

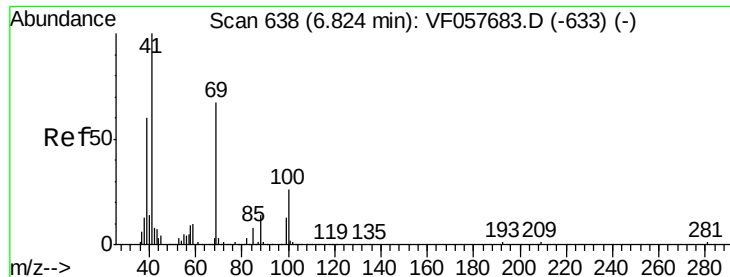


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 376.37 ug/l

RT: 6.86 min Scan# 642

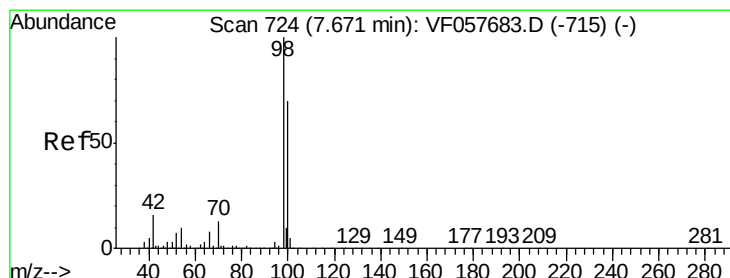
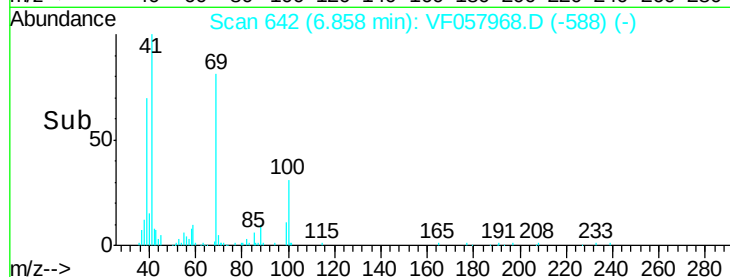
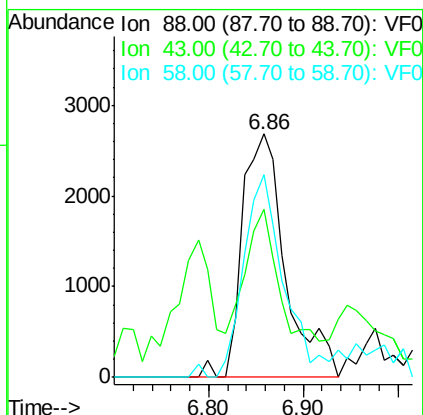
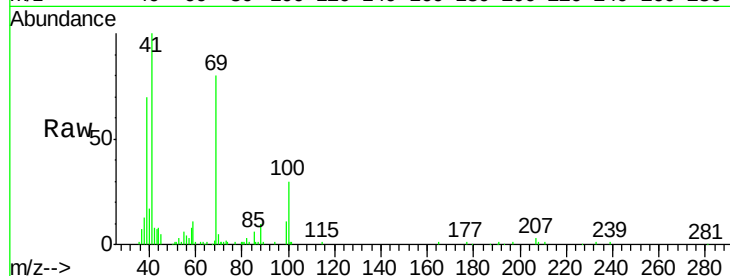
Delta R.T. 0.03 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 8504
Ion Ratio Lower Upper
88 100
43 69.3 83.2 124.8#
58 83.4 56.6 85.0



#50

Toluene-d8

Concen: 52.35 ug/l

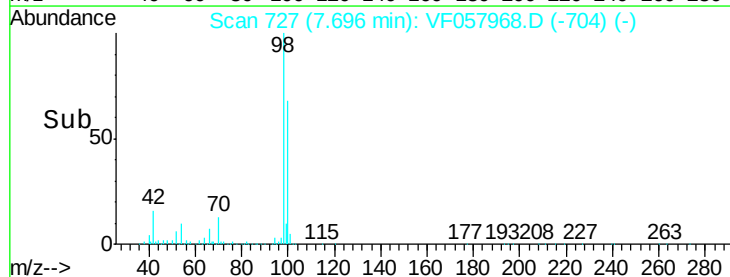
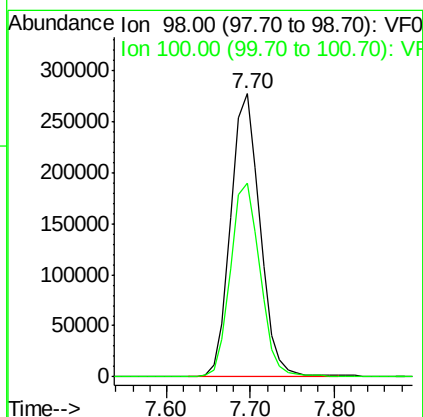
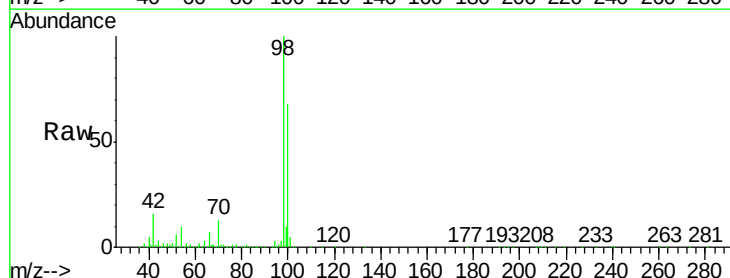
RT: 7.70 min Scan# 727

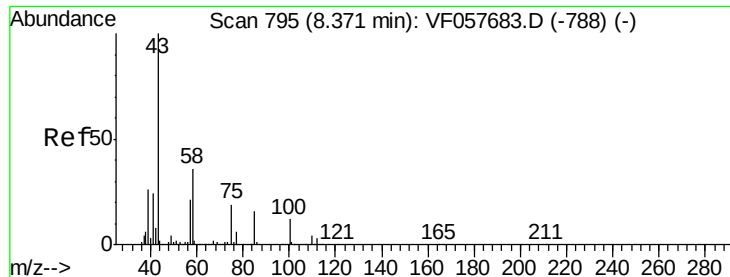
Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Tgt Ion: 98 Resp: 675788
Ion Ratio Lower Upper
98 100
100 68.3 55.8 83.6





#51

4-Methyl-2-Pentanone

Concen: 118.00 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

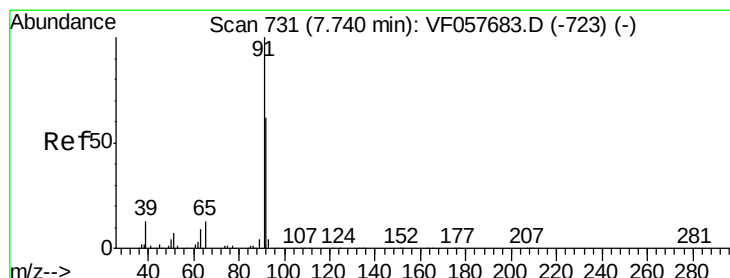
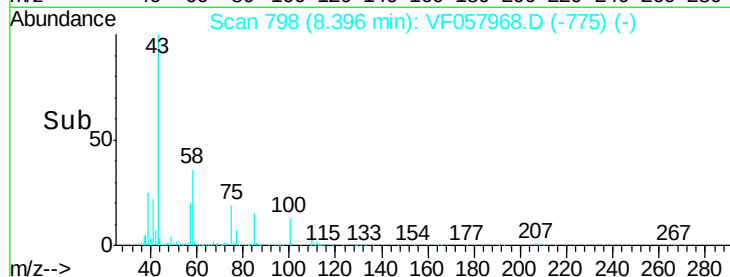
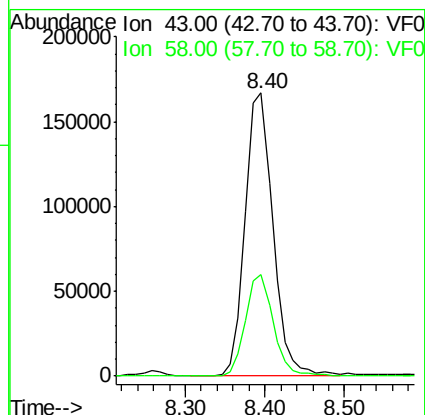
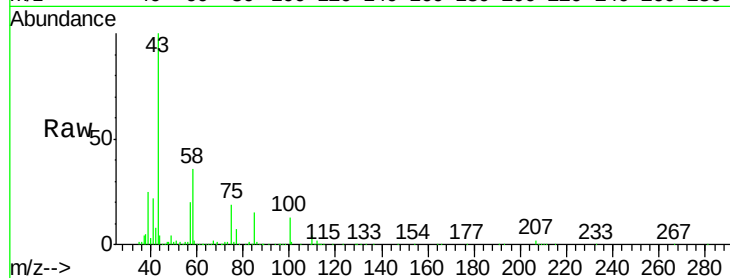
ClientSampleId :

Tot Ion: 43 Resp: 401385

Ion Ratio Lower Upper

43 100

58 36.1 28.3 42.5



#52

Toluene

Concen: 23.03 ug/l

RT: 7.76 min Scan# 734

Delta R.T. 0.02 min

Lab File: VF057968.D

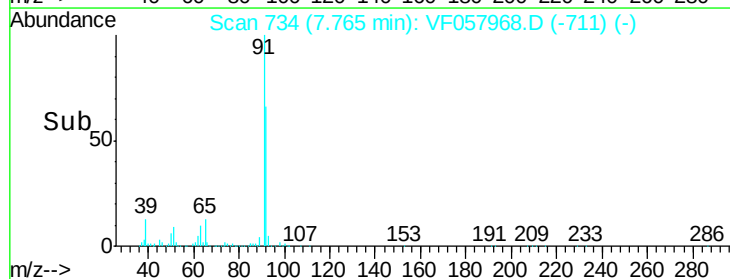
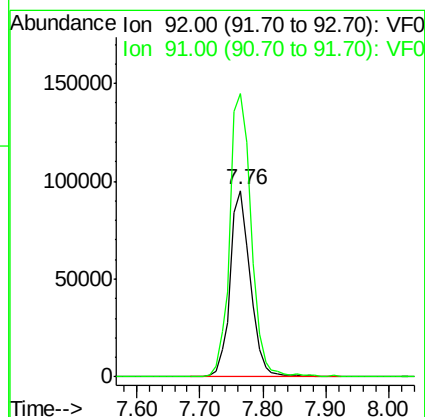
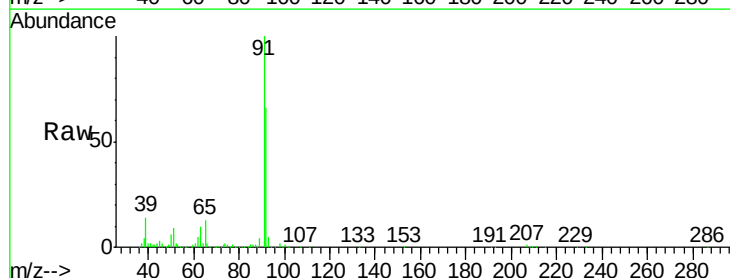
Acq: 23 May 2018 4:26

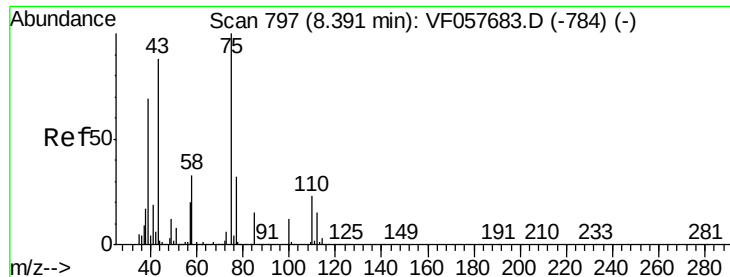
Tgt Ion: 92 Resp: 211793

Ion Ratio Lower Upper

92 100

91 152.0 130.2 195.4





#53

t-1,3-Dichloropropene

Concen: 20.33 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

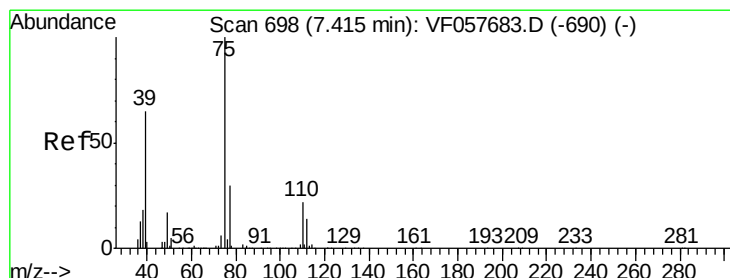
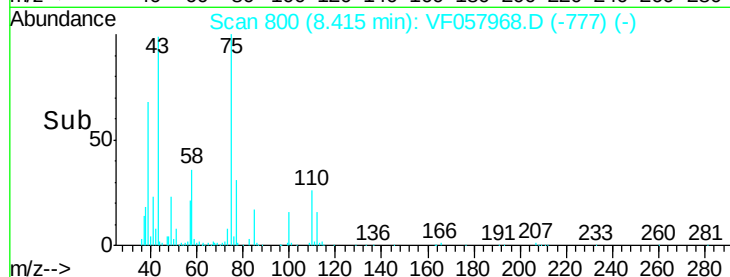
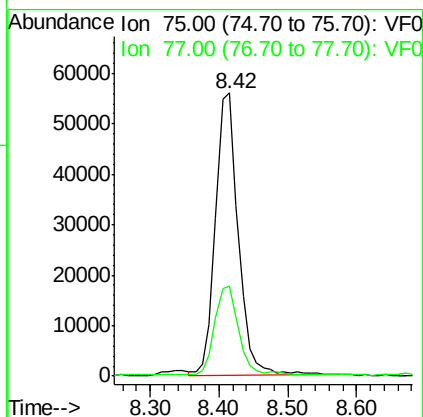
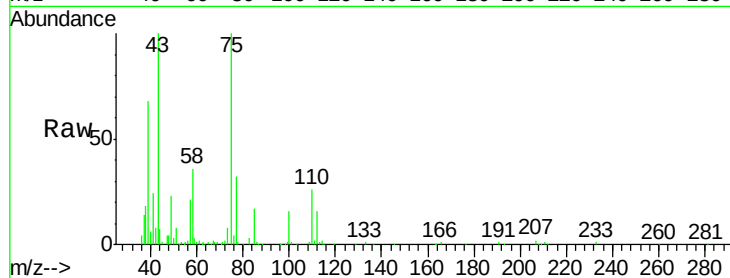
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 128479

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 22.34 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

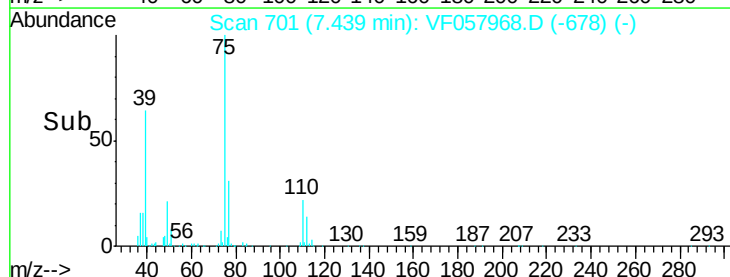
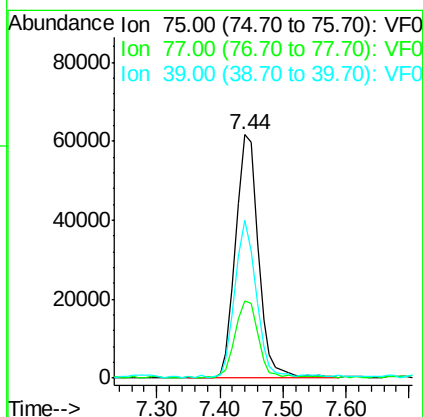
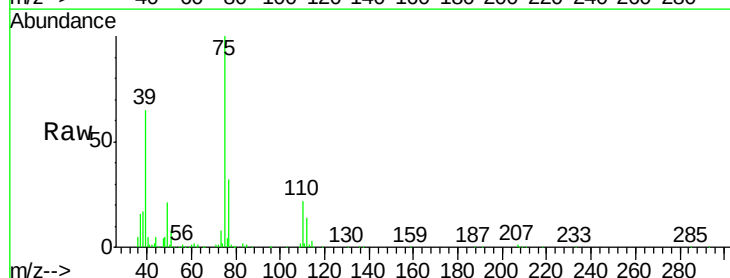
Tgt Ion: 75 Resp: 155280

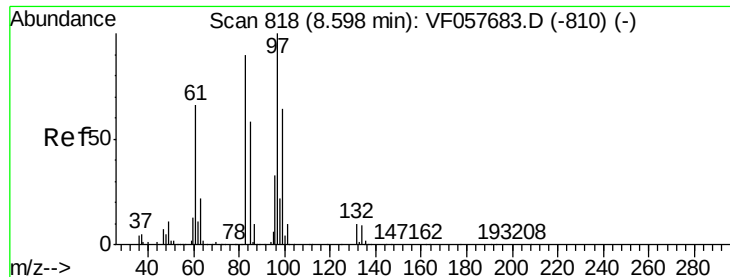
Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8

39 64.9 53.0 79.4





#55

1,1,2-Trichloroethane

Concen: 24.34 ug/l

RT: 8.62 min Scan# 821

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 97 Resp: 84693

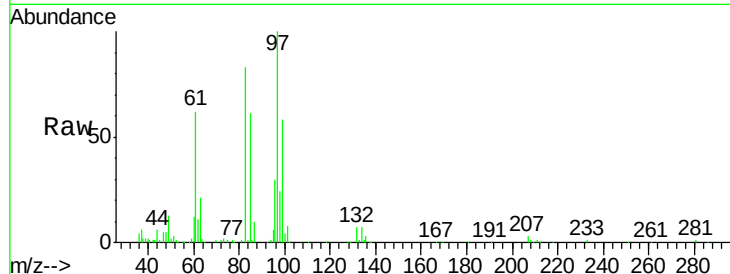
Ion Ratio Lower Upper

97 100

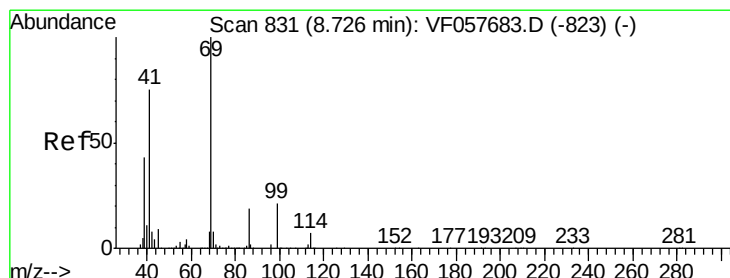
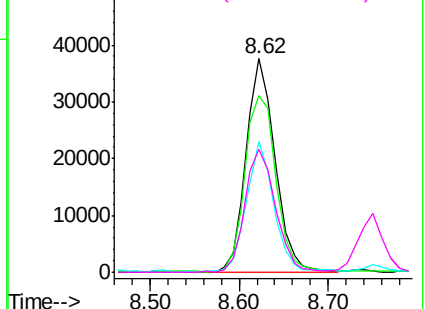
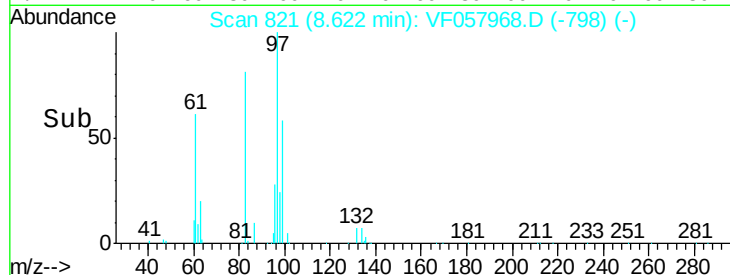
83 82.6 73.0 109.4

85 61.2 47.5 71.3

99 57.7 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: 21.97 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

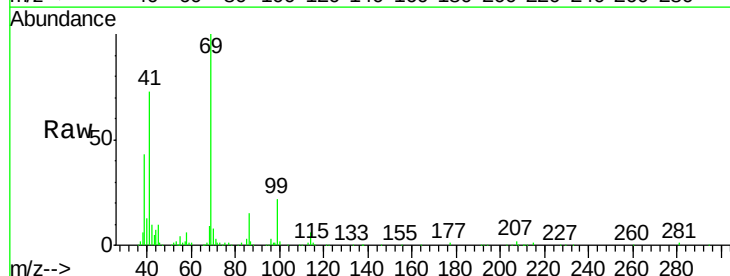
Tgt Ion: 69 Resp: 105676

Ion Ratio Lower Upper

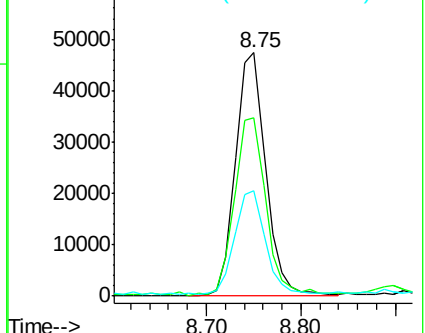
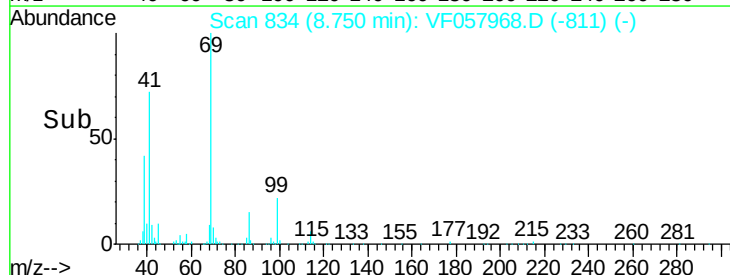
69 100

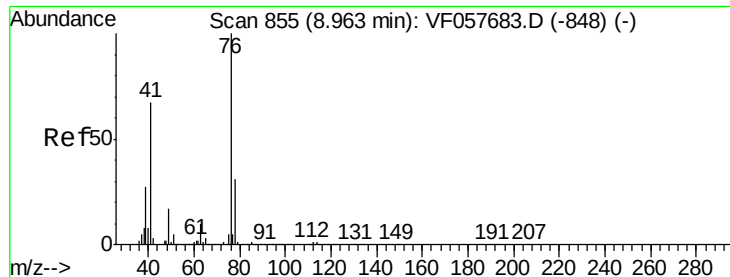
41 73.2 61.1 91.7

39 43.2 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: 23.68 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

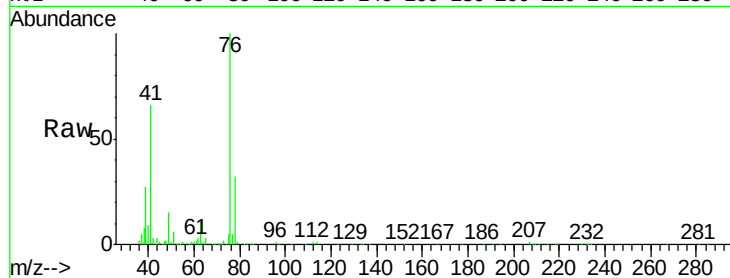
ClientSampleId :

Tot Ion: 76 Resp: 142420

Ion Ratio Lower Upper

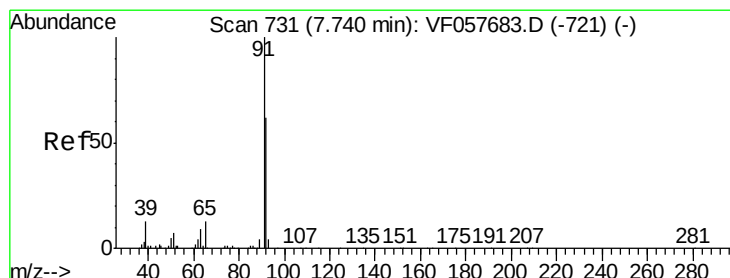
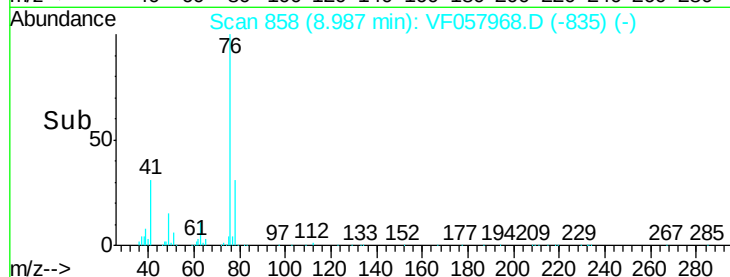
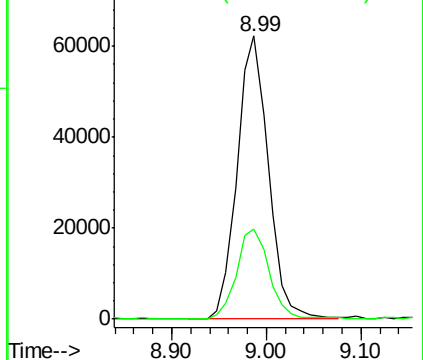
76 100

78 31.8 25.0 37.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 48.03 ug/l

RT: 7.76 min Scan# 734

Delta R.T. 0.02 min

Lab File: VF057968.D

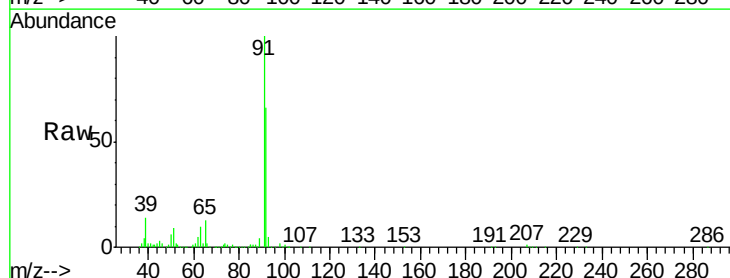
Acq: 23 May 2018 4:26

Tgt Ion: 63 Resp: 32210

Ion Ratio Lower Upper

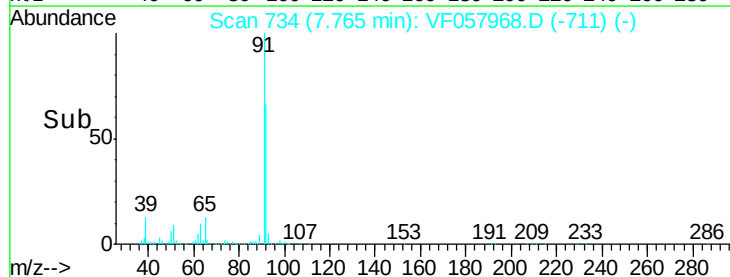
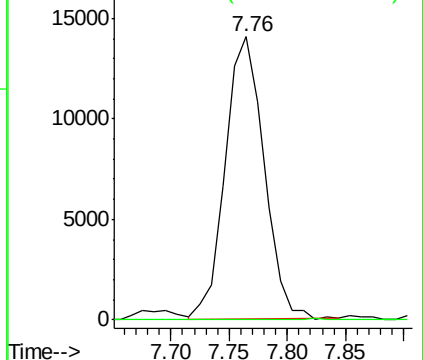
63 100

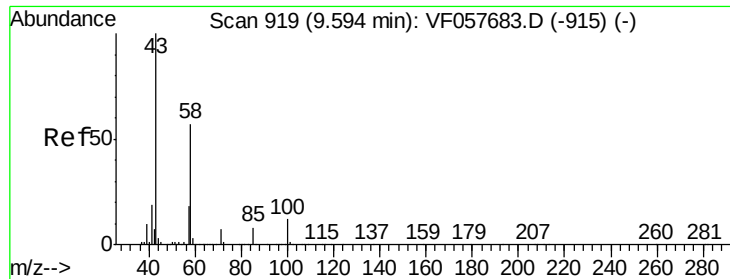
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

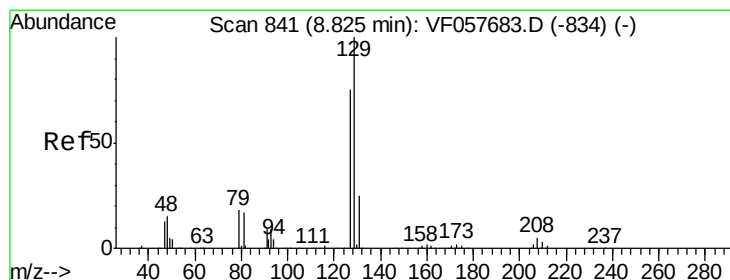
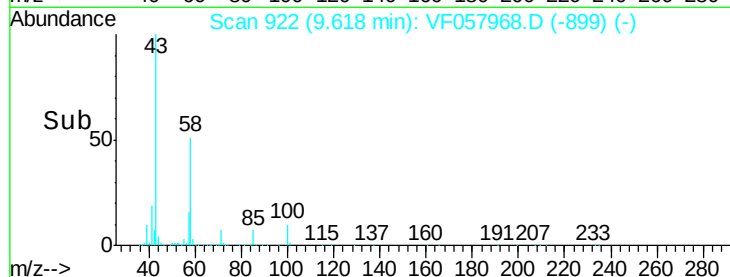
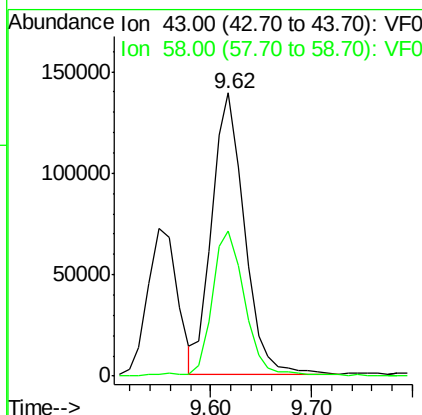
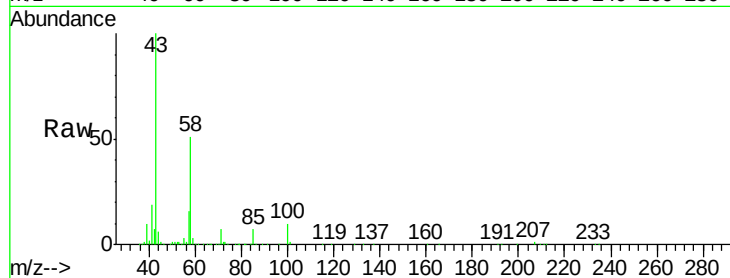




#59
2-Hexanone
Concen: 106.58 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.02 min
Lab File: VF057968.D
Acq: 23 May 2018 4:26

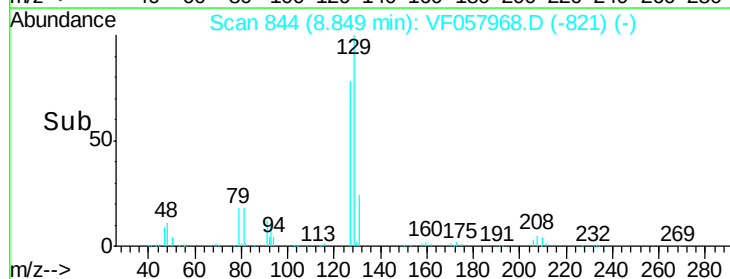
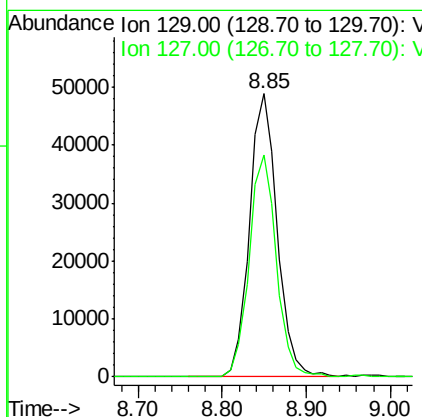
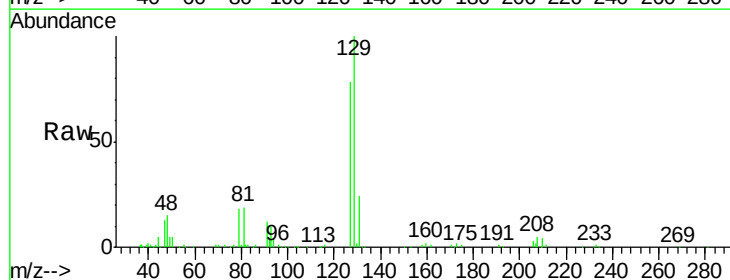
Instrument :
MSVOA_X
ClientSampleId :

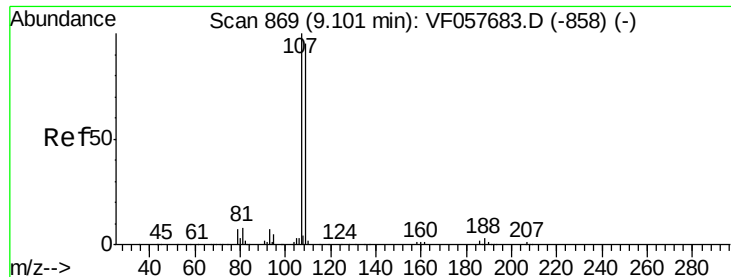
Tot Ion: 43 Resp: 313134
Ion Ratio Lower Upper
43 100
58 51.3 25.4 76.4



#60
Dibromochloromethane
Concen: 21.60 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.02 min
Lab File: VF057968.D
Acq: 23 May 2018 4:26

Tgt Ion: 129 Resp: 112783
Ion Ratio Lower Upper
129 100
127 78.2 37.3 111.9





#61

1,2-Dibromoethane

Concen: 24.08 ug/l

RT: 9.12 min Scan# 871

Delta R.T. 0.01 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

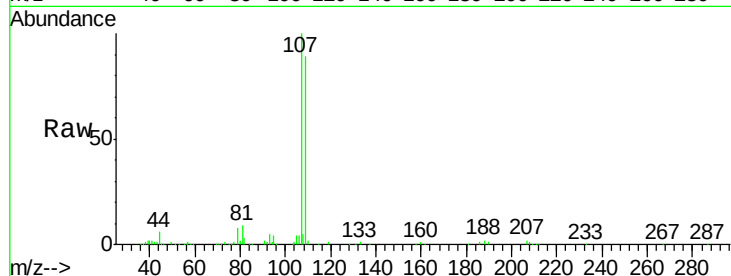
ClientSampleId :

Tot Ion:107 Resp: 98417

Ion Ratio Lower Upper

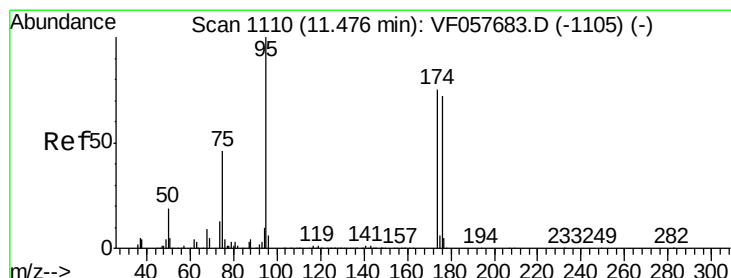
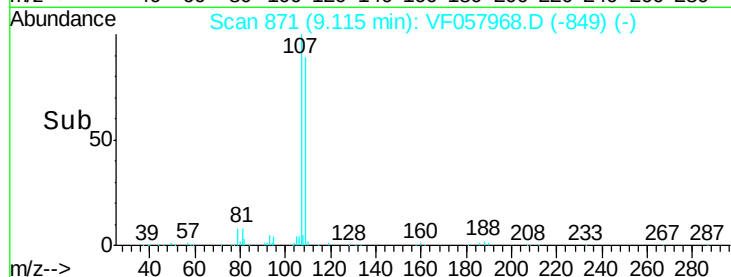
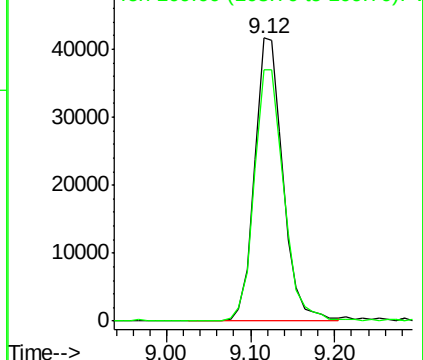
107 100

109 88.6 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 50.26 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

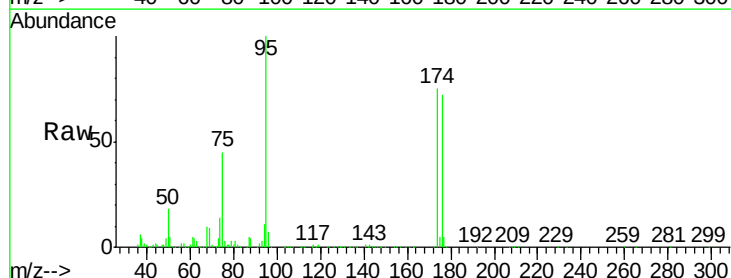
Tgt Ion: 95 Resp: 327958

Ion Ratio Lower Upper

95 100

174 75.2 0.0 149.8

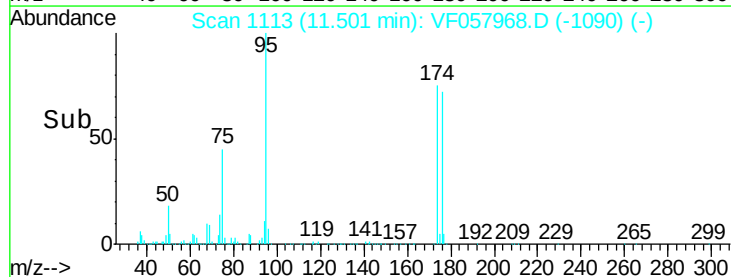
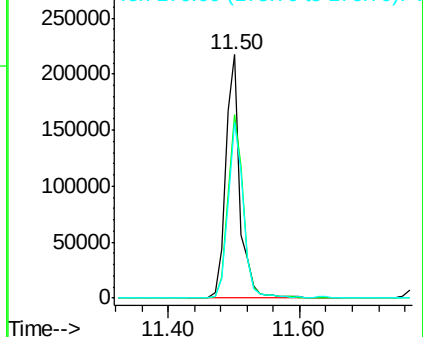
176 72.1 0.0 143.0

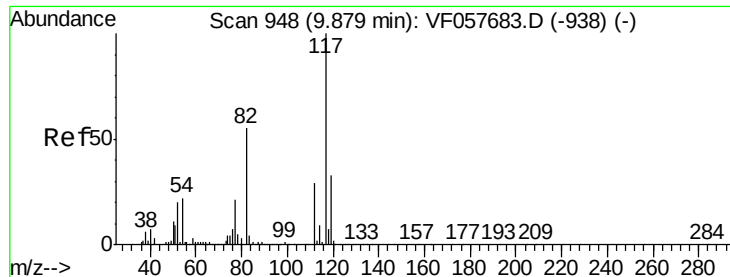


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

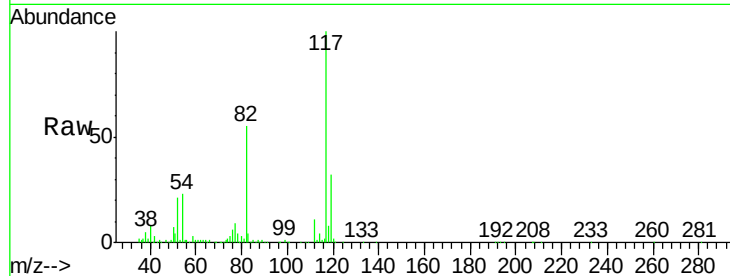




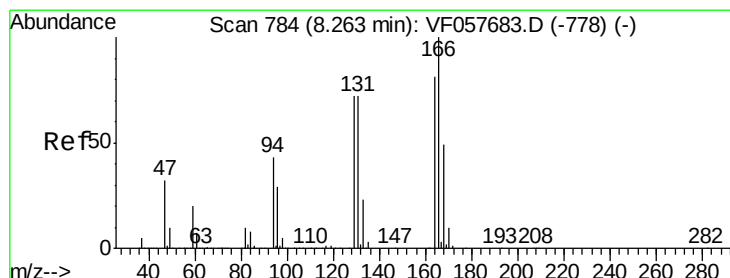
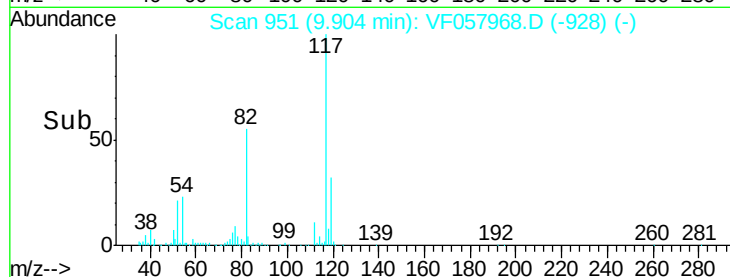
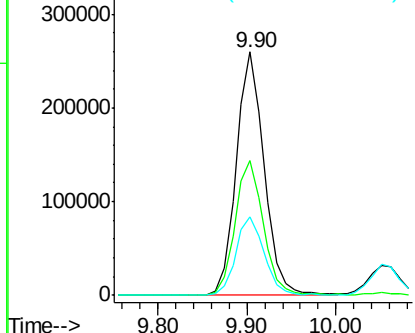
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. 0.02 min
Lab File: VF057968.D
Acq: 23 May 2018 4:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.6	66.8
119	32.5	26.6	39.8



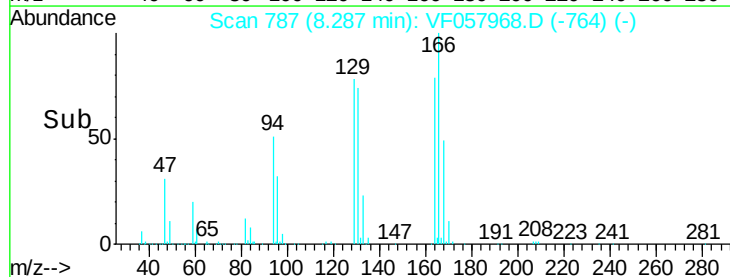
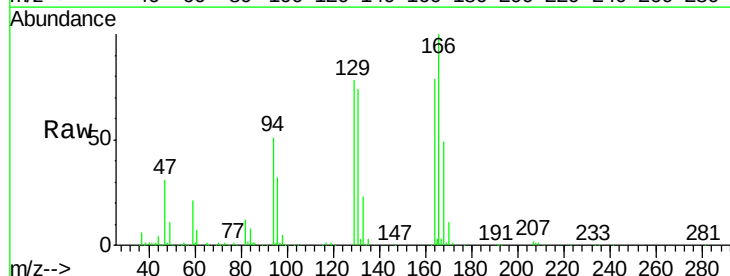
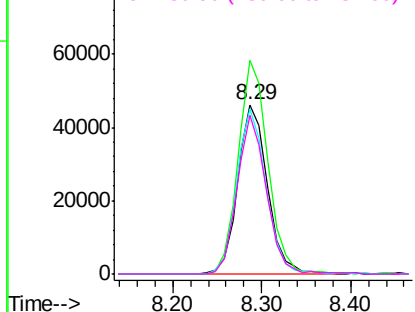
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

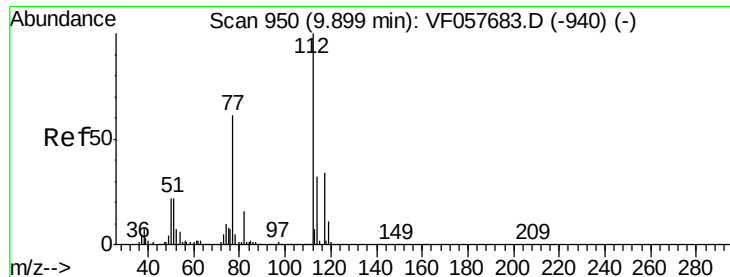


#64
Tetrachloroethene
Concen: 28.61 ug/l
RT: 8.29 min Scan# 787
Delta R.T. 0.02 min
Lab File: VF057968.D
Acq: 23 May 2018 4:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	99.4	149.0
129	97.7	72.1	108.1
131	93.5	71.0	106.6

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





#65

Chlorobenzene

Concen: 23.92 ug/l

RT: 9.92 min Scan# 953

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

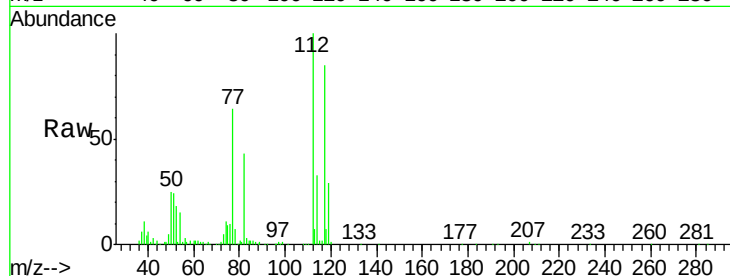
ClientSampled :

Tot Ion:112 Resp: 255930

Ion Ratio Lower Upper

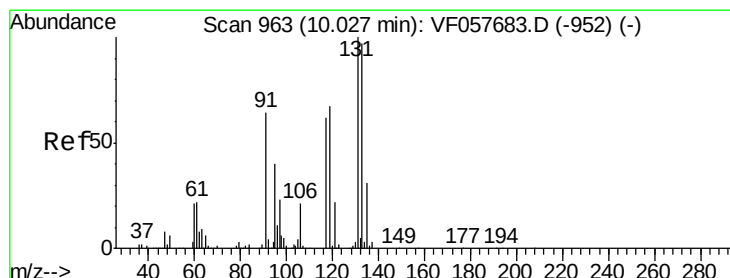
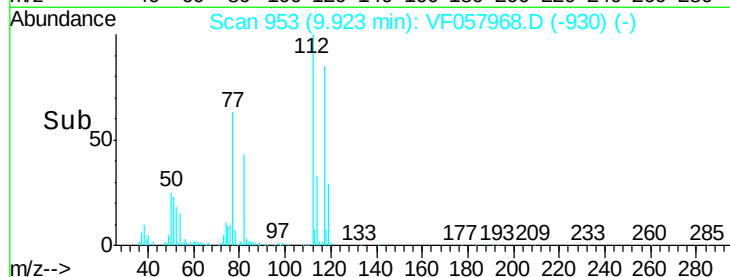
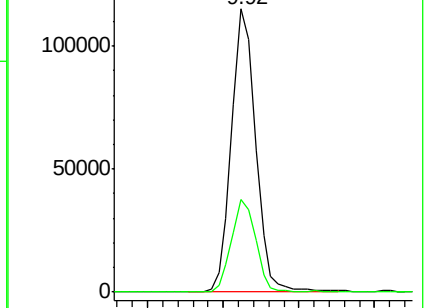
112 100

114 32.8 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.89 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

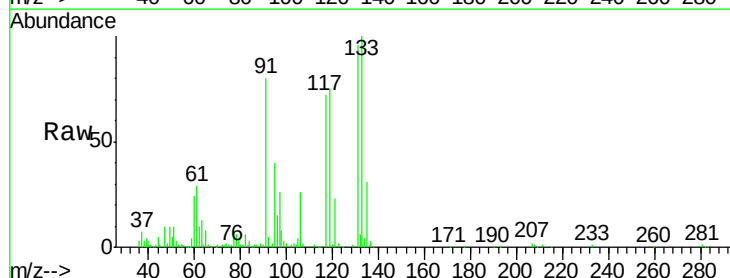
Tgt Ion:131 Resp: 98262

Ion Ratio Lower Upper

131 100

133 104.1 48.4 145.3

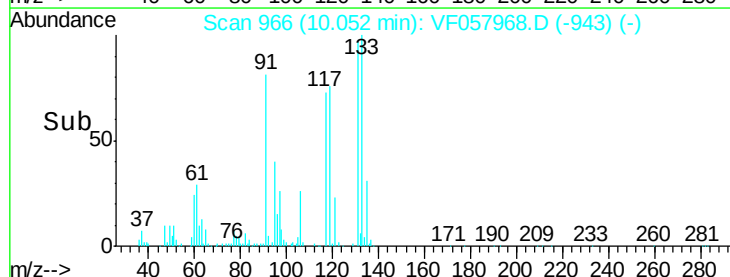
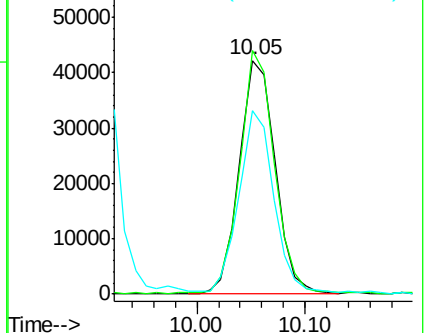
119 78.5 35.3 105.9

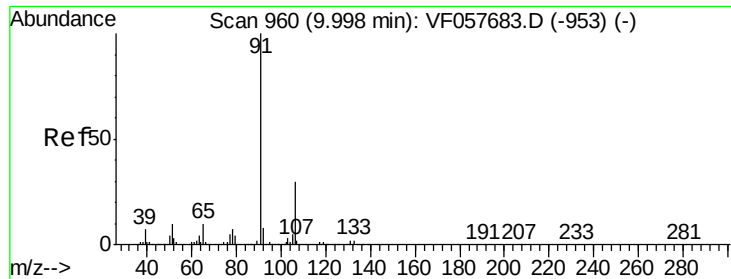


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 24.28 ug/l

RT: 10.02 min Scan# 963

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

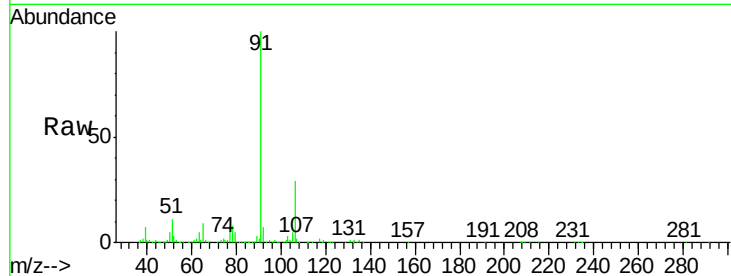
ClientSampleId :

Tot Ion: 91 Resp: 452788

Ion Ratio Lower Upper

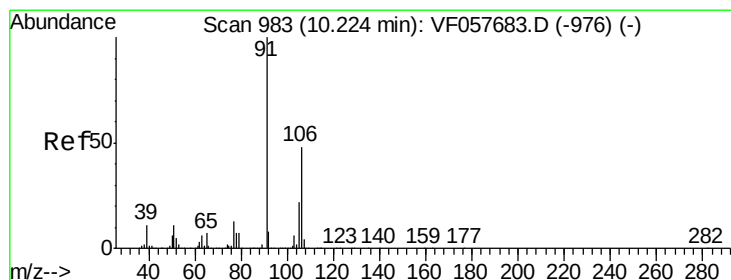
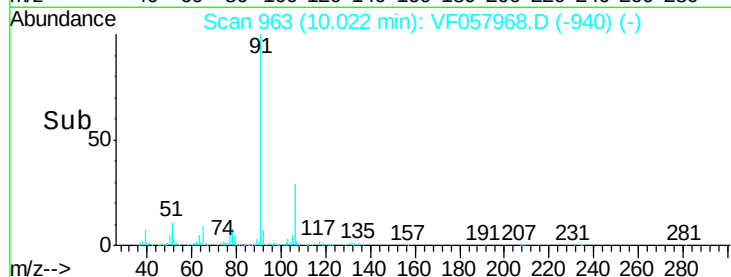
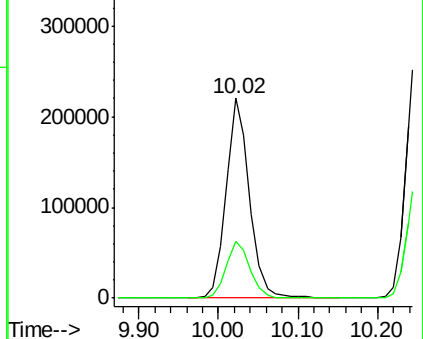
91 100

106 28.6 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: 50.10 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.03 min

Lab File: VF057968.D

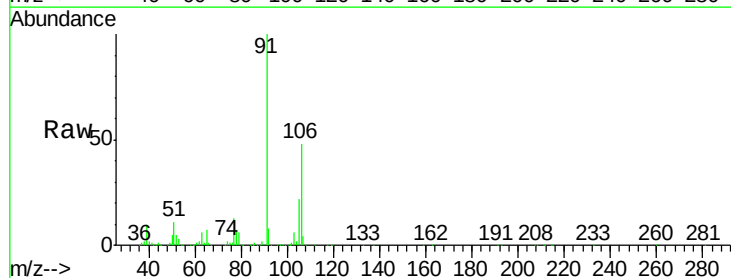
Acq: 23 May 2018 4:26

Tgt Ion: 106 Resp: 336200

Ion Ratio Lower Upper

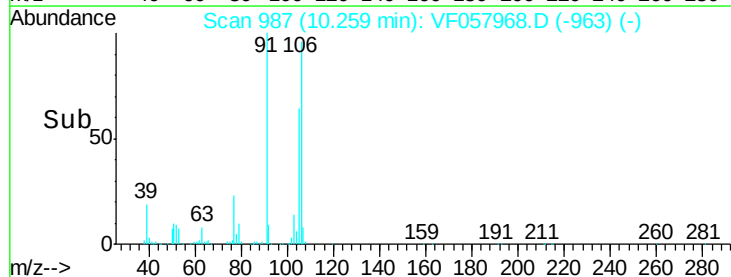
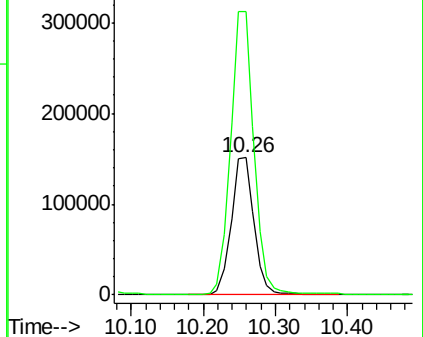
106 100

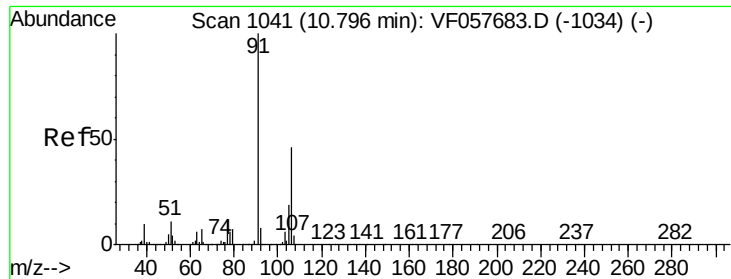
91 206.4 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

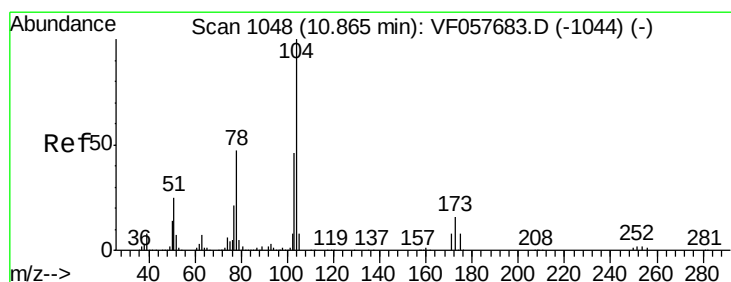
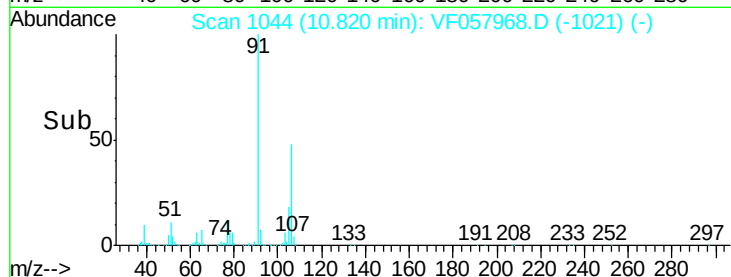
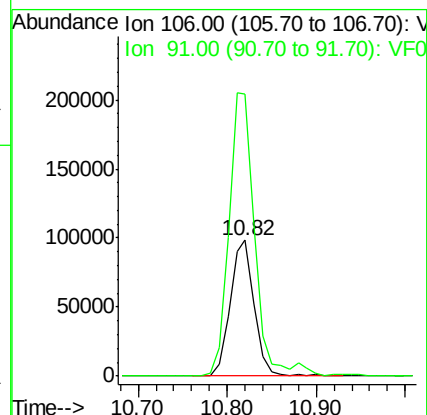
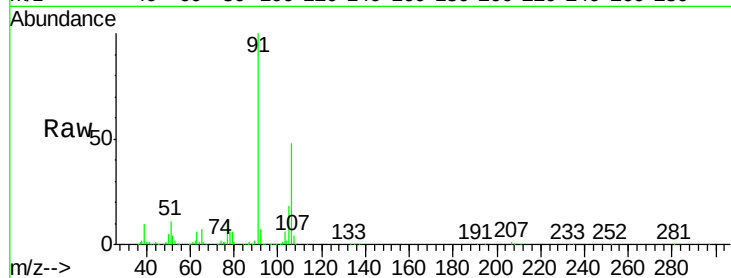




#69
o-Xylene
Concen: 25.16 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VF057968.D
Acq: 23 May 2018 4:26

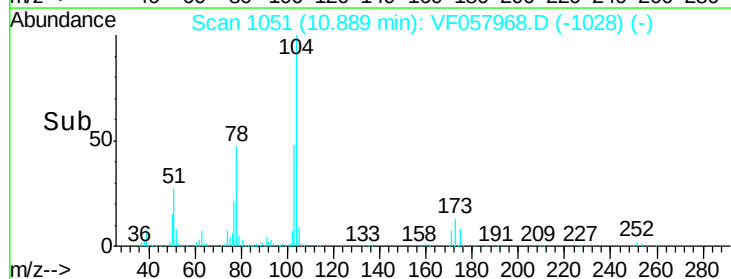
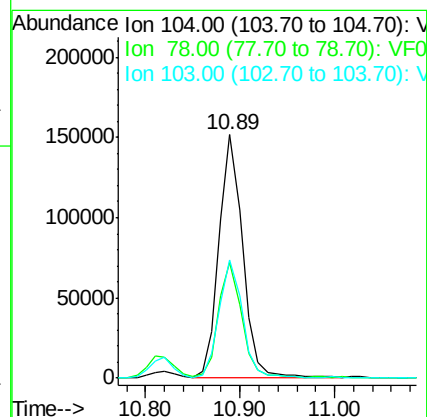
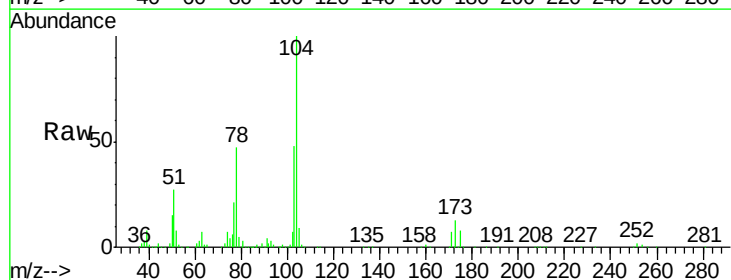
Instrument :
MSVOA_X
ClientSampleId :

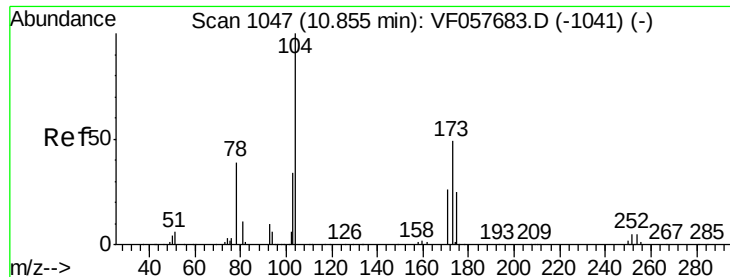
Tot Ion:106 Resp: 187627
Ion Ratio Lower Upper
106 100
91 208.3 108.6 325.6



#70
Styrene
Concen: 22.48 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.02 min
Lab File: VF057968.D
Acq: 23 May 2018 4:26

Tgt Ion:104 Resp: 263272
Ion Ratio Lower Upper
104 100
78 47.2 37.6 56.4
103 48.4 37.4 56.0





#71

Bromoform

Concen: 20.11 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

ClientSampleId :

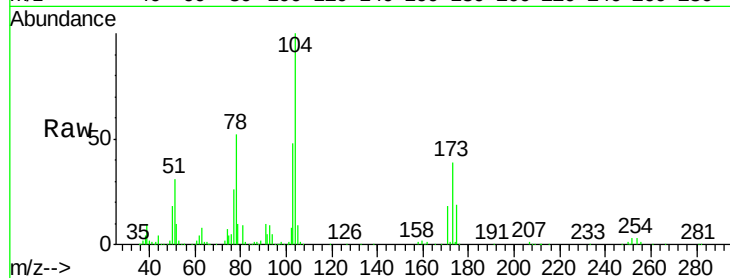
Tot Ion:173 Resp: 66984

Ion Ratio Lower Upper

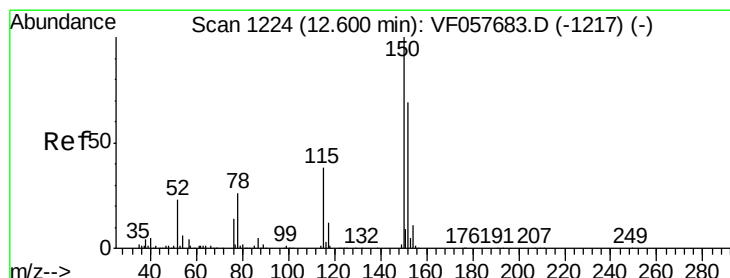
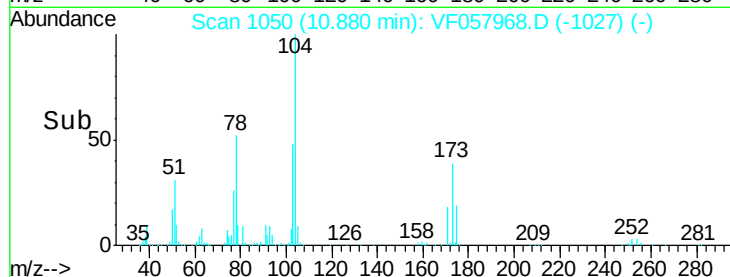
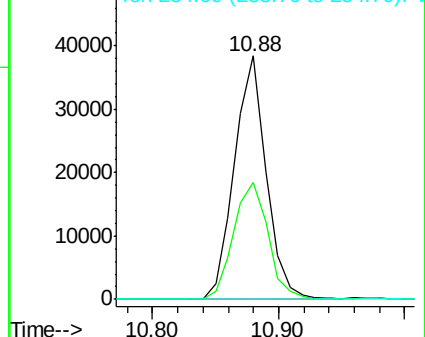
173 100

175 47.9 25.0 75.0

254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

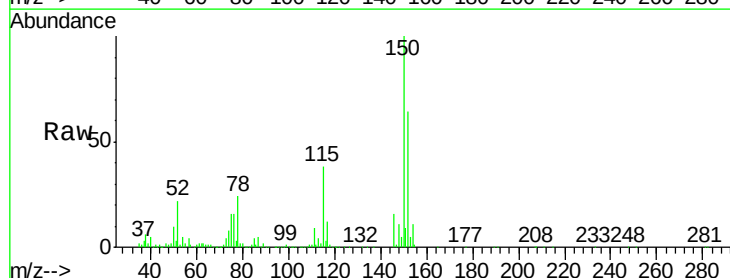
Tgt Ion:152 Resp: 319580

Ion Ratio Lower Upper

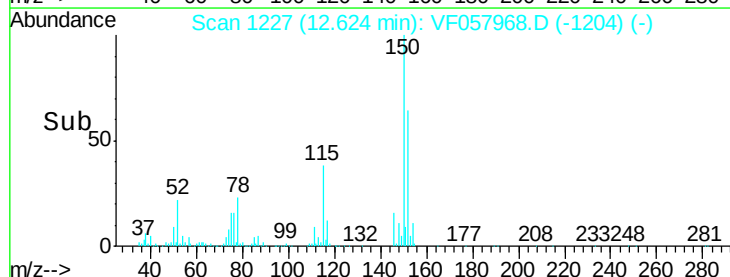
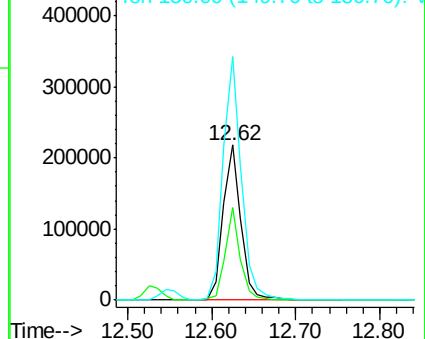
152 100

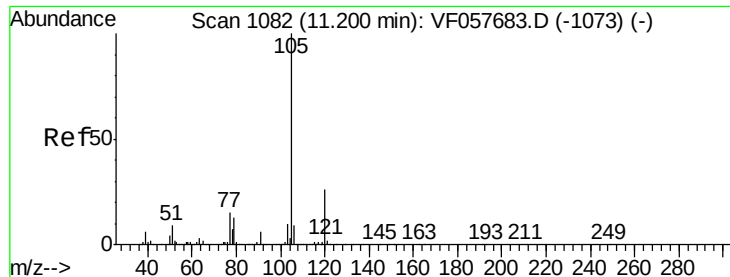
115 59.9 28.4 85.2

150 157.2 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: 24.67 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

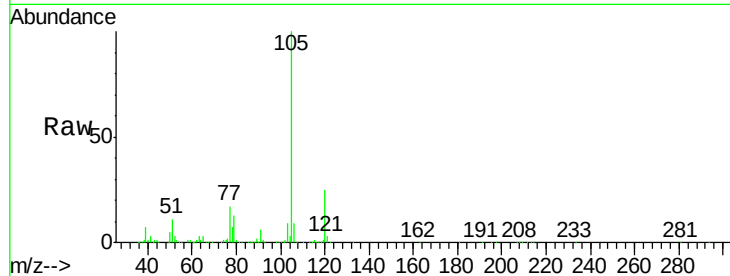
ClientSampleId :

Tot Ion:105 Resp: 495404

Ion Ratio Lower Upper

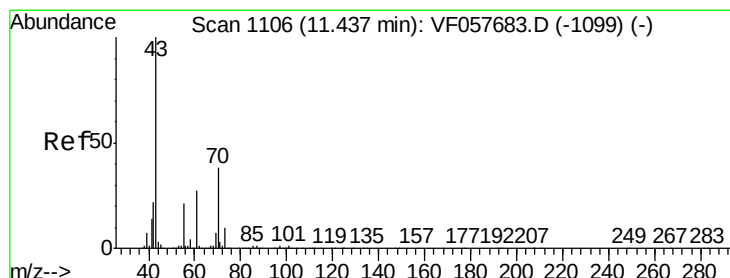
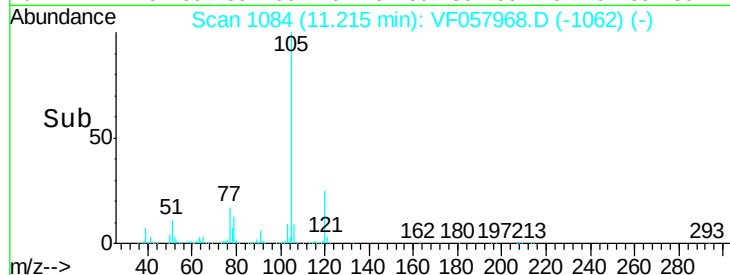
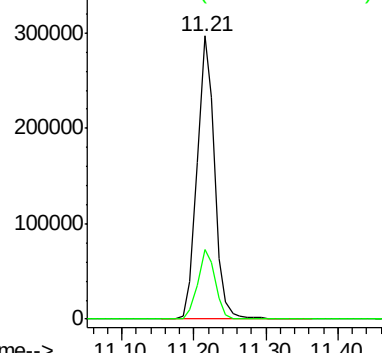
105 100

120 24.7 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 24.62 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Tgt Ion: 43 Resp: 205250

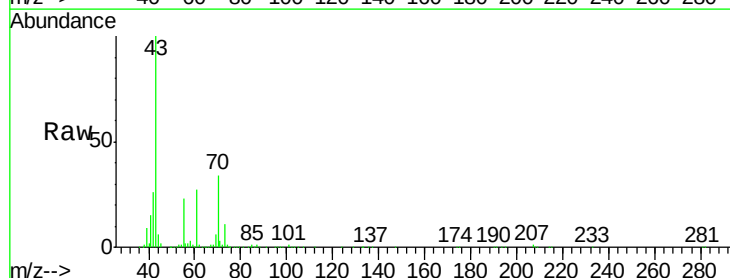
Ion Ratio Lower Upper

43 100

70 33.9 30.2 45.4

55 23.1 17.1 25.7

61 27.3 21.0 31.6

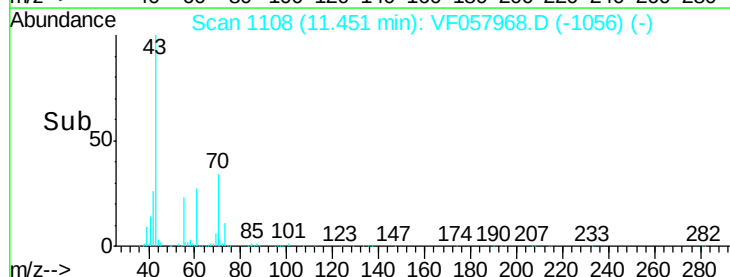
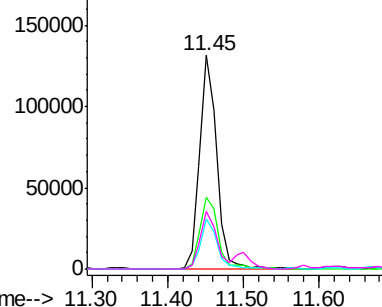


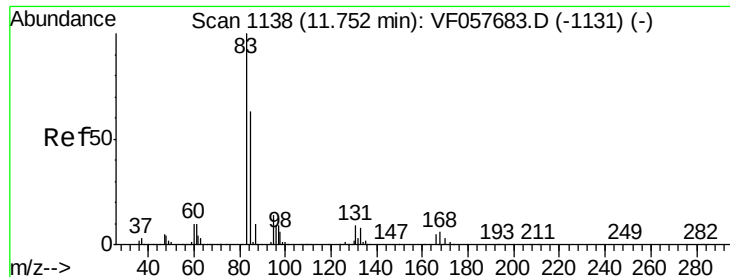
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 25.45 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF057968.D

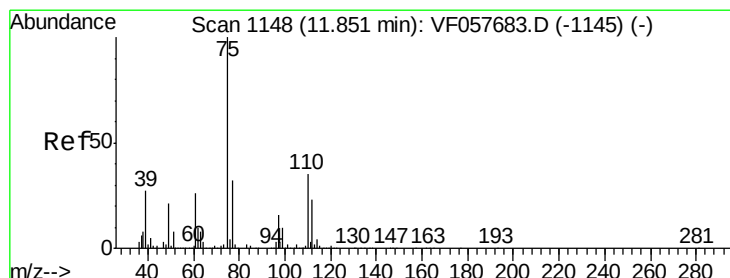
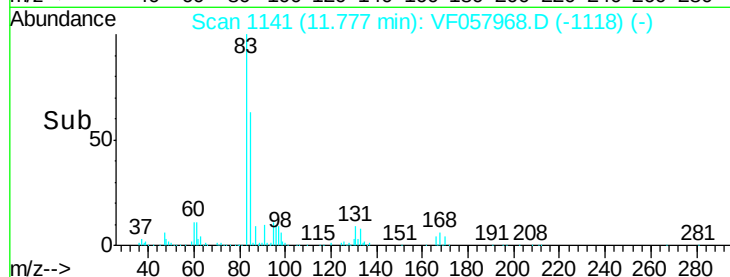
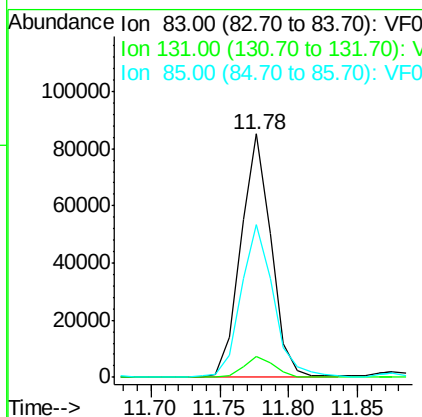
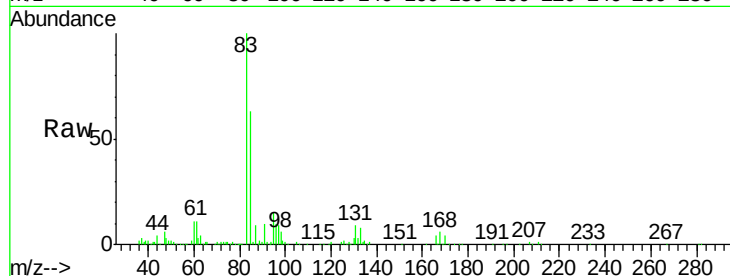
Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	83	Resp:	131141
Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.3	12.9
85	62.8	31.4	94.2



#76

1,2,3-Trichloropropane

Concen: 25.92 ug/l

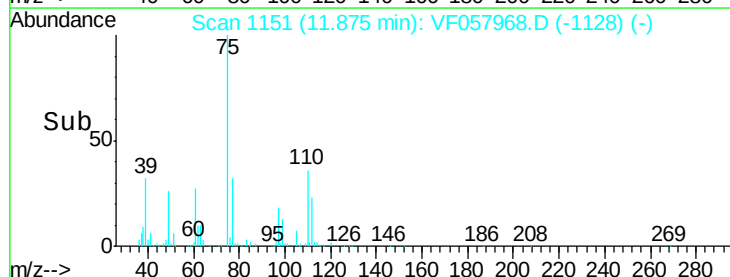
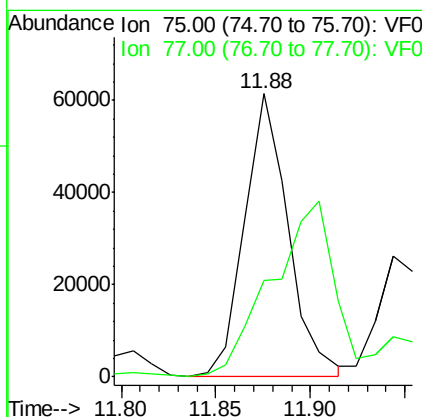
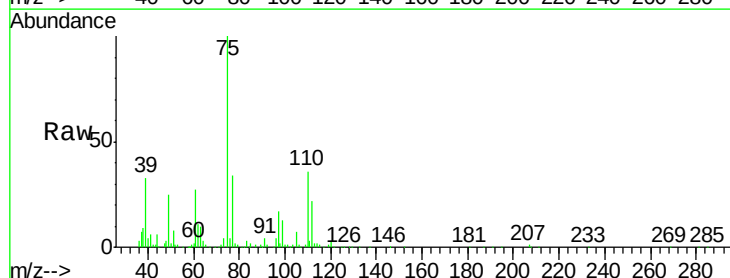
RT: 11.88 min Scan# 1151

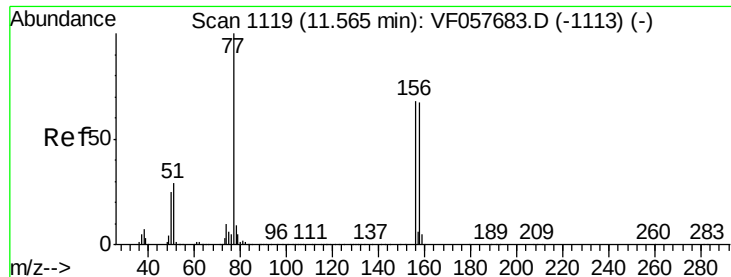
Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Tgt Ion:	75	Resp:	97372
Ion	Ratio	Lower	Upper
75	100		
77	33.9	16.4	49.2





#77

Bromobenzene

Concen: 23.81 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

ClientSampleId :

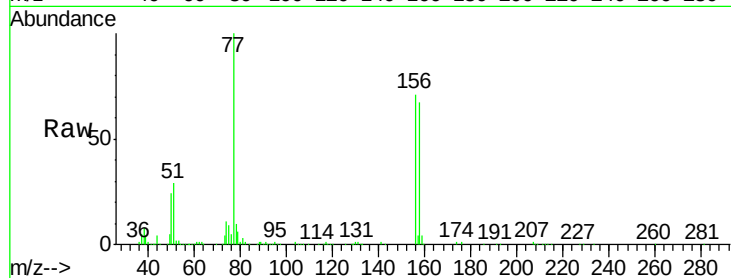
Tot Ion:156 Resp: 127711

Ion Ratio Lower Upper

156 100

77 140.1 73.4 220.2

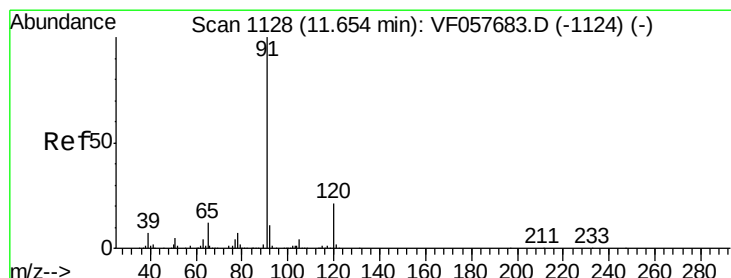
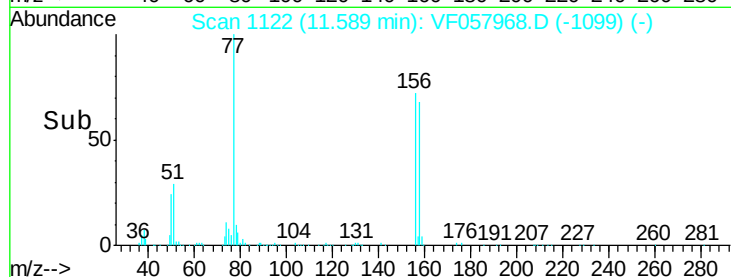
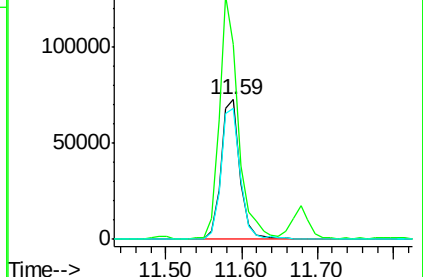
158 94.4 49.0 147.2



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: 24.08 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VF057968.D

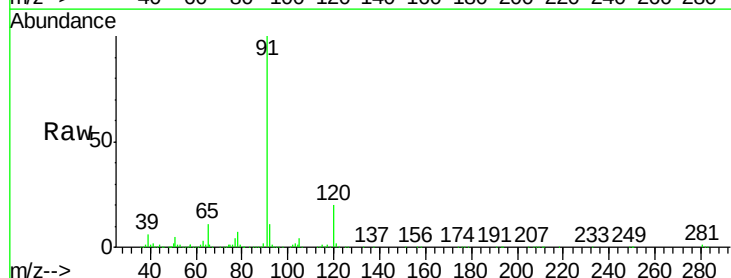
Acq: 23 May 2018 4:26

Tgt Ion: 91 Resp: 593911

Ion Ratio Lower Upper

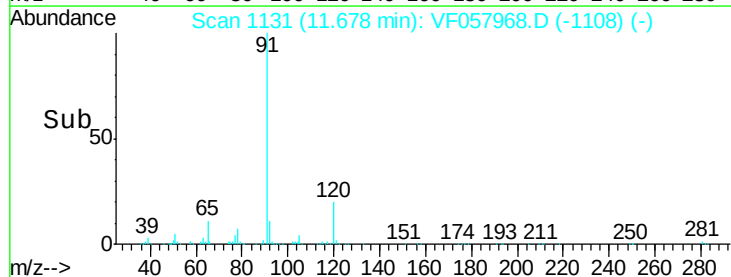
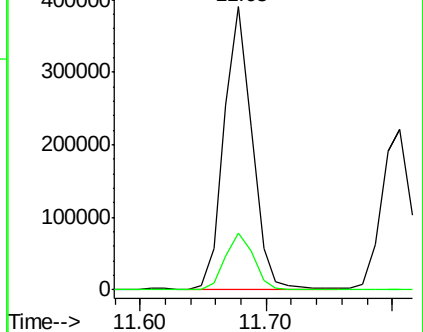
91 100

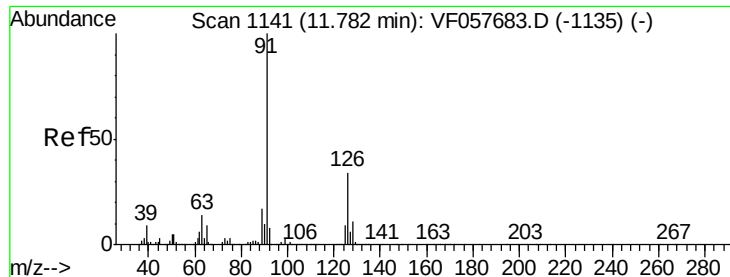
120 20.1 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 24.59 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

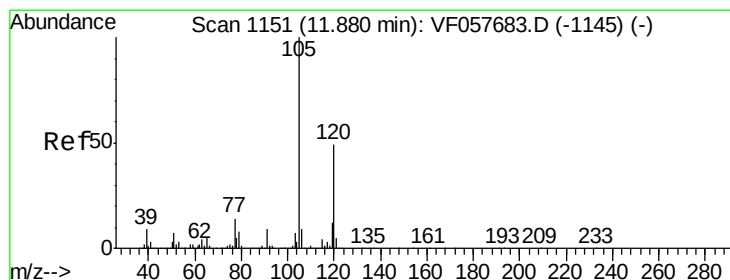
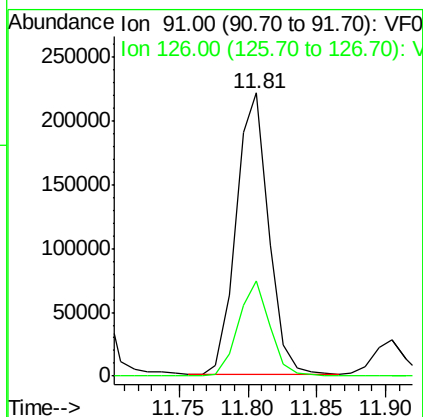
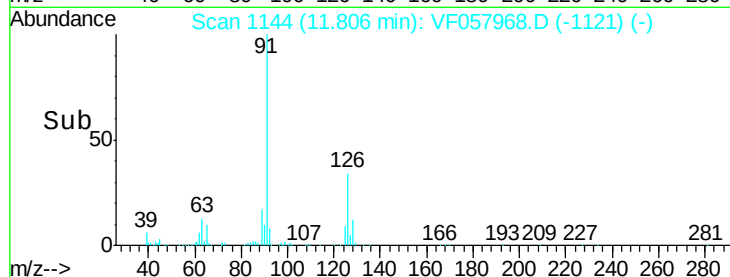
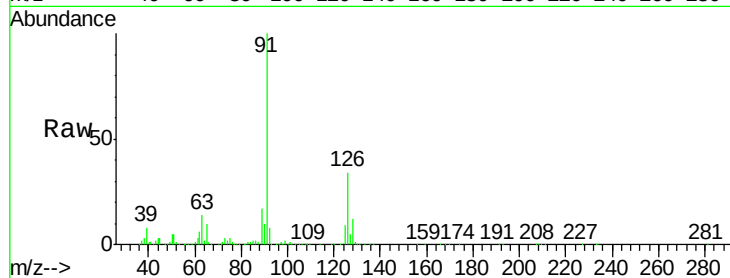
ClientSampled :

Tot Ion: 91 Resp: 359911

Ion Ratio Lower Upper

91 100

126 33.8 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 24.22 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. 0.02 min

Lab File: VF057968.D

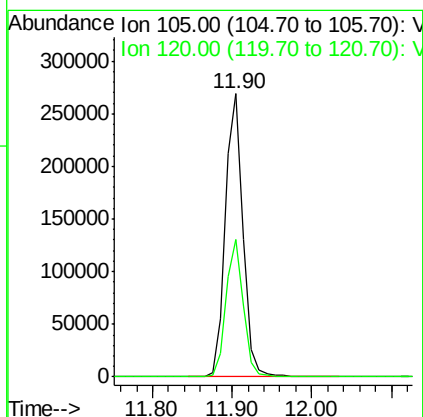
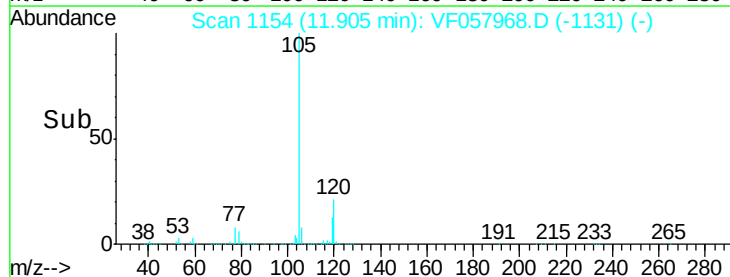
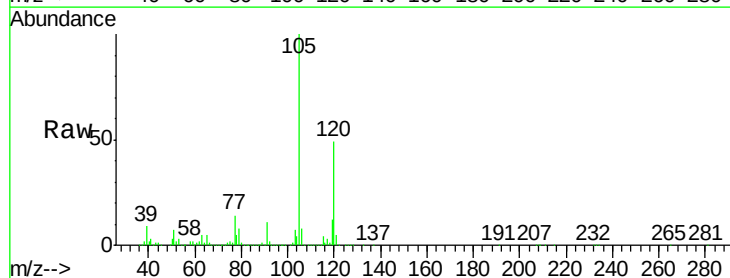
Acq: 23 May 2018 4:26

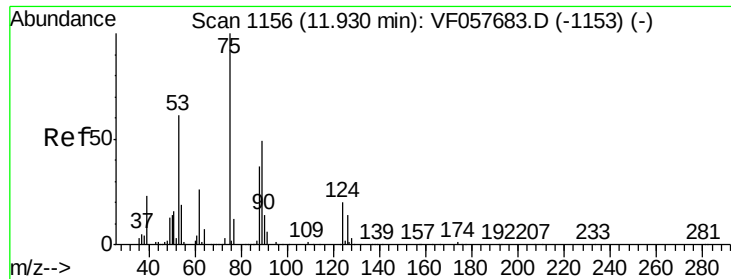
Tgt Ion: 105 Resp: 421710

Ion Ratio Lower Upper

105 100

120 48.6 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 22.66 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

ClientSampleId :

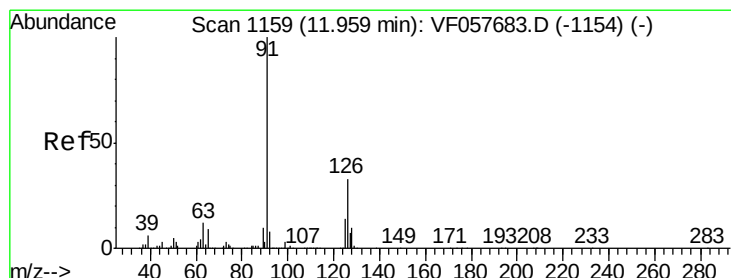
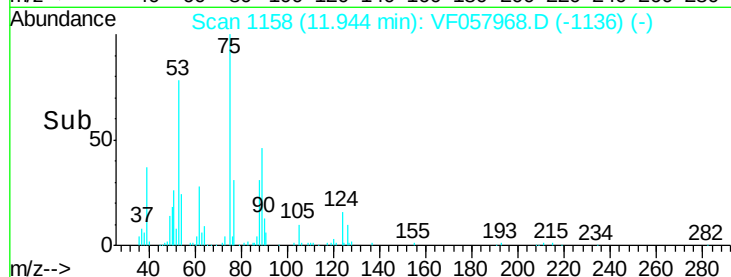
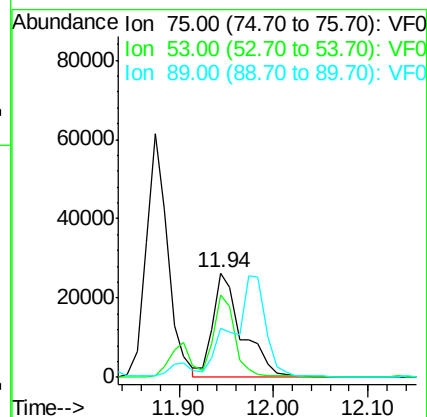
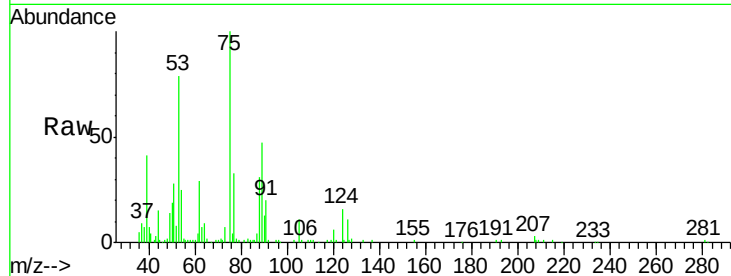
Tot Ion: 75 Resp: 56984

Ion Ratio Lower Upper

75 100

53 78.7 50.7 76.1#

89 47.3 40.3 60.5



#82

4-Chlorotoluene

Concen: 24.77 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.02 min

Lab File: VF057968.D

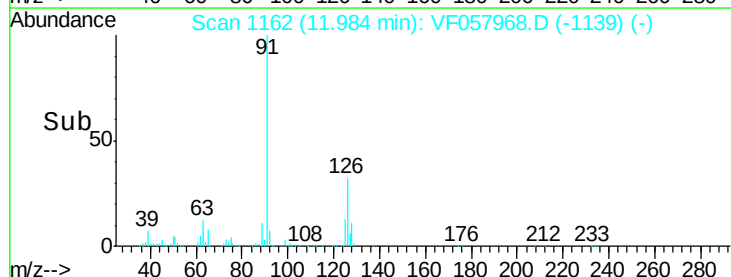
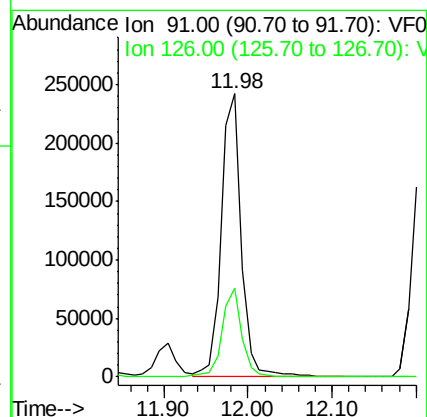
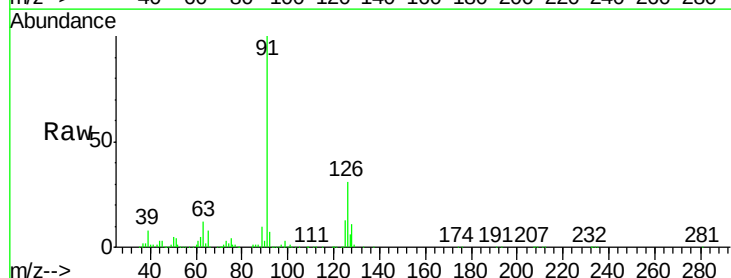
Acq: 23 May 2018 4:26

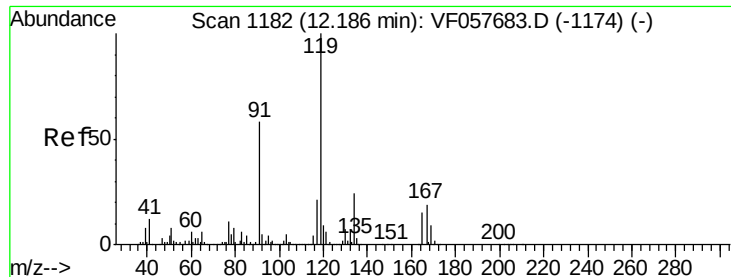
Tgt Ion: 91 Resp: 395857

Ion Ratio Lower Upper

91 100

126 31.3 16.6 49.7





#83

tert-Butylbenzene

Concen: 23.70 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

ClientSampleId :

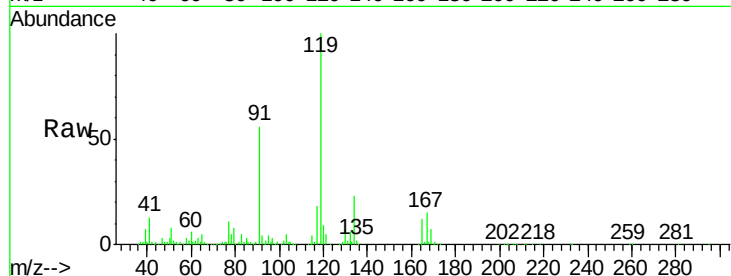
Tot Ion:119 Resp: 410582

Ion Ratio Lower Upper

119 100

91 56.1 29.1 87.3

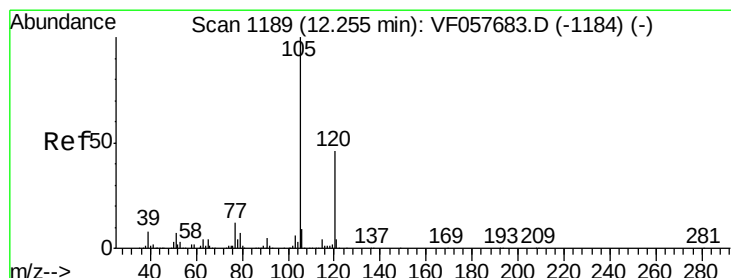
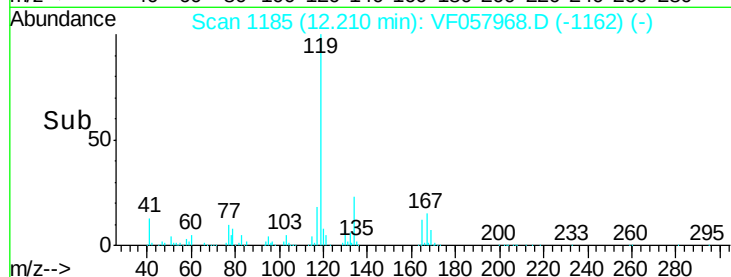
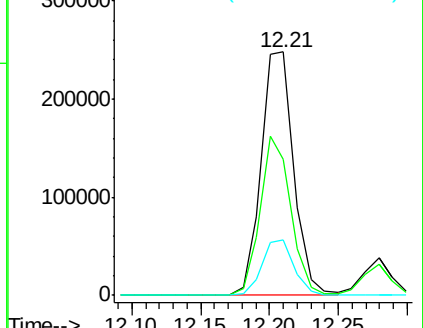
134 22.7 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 24.01 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. 0.02 min

Lab File: VF057968.D

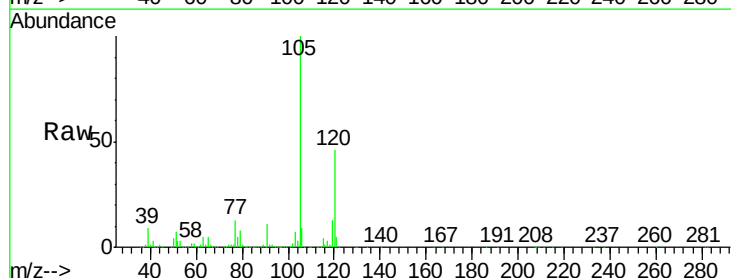
Acq: 23 May 2018 4:26

Tgt Ion:105 Resp: 428494

Ion Ratio Lower Upper

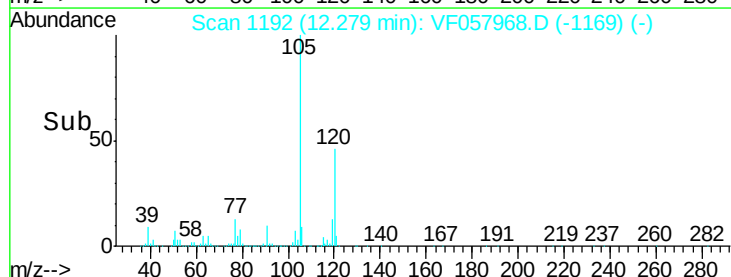
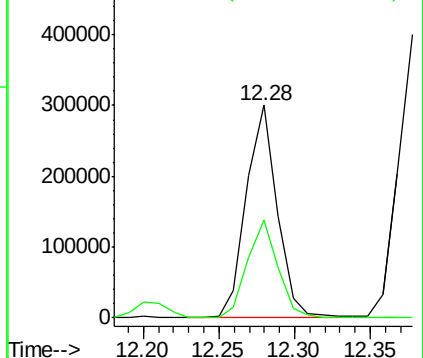
105 100

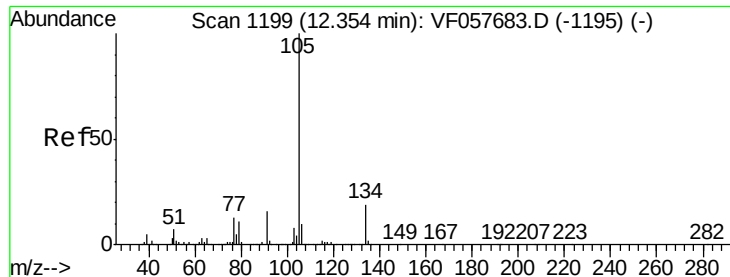
120 46.1 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 24.41 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

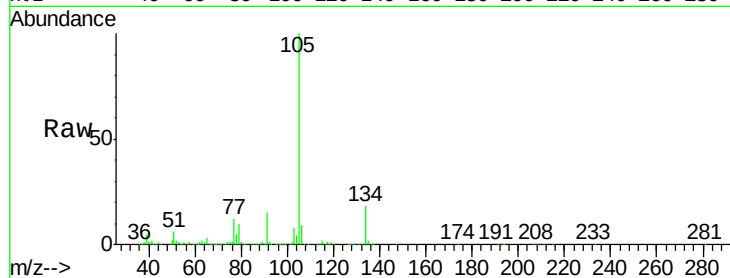
ClientSampleId :

Tot Ion:105 Resp: 555629

Ion Ratio Lower Upper

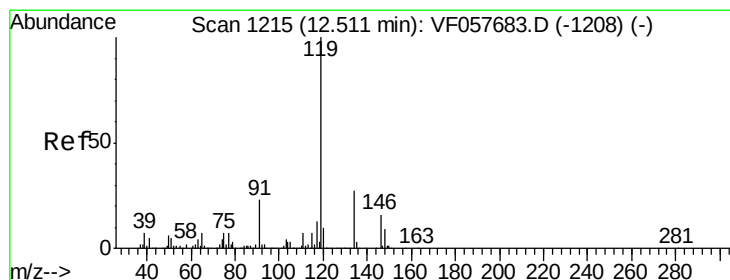
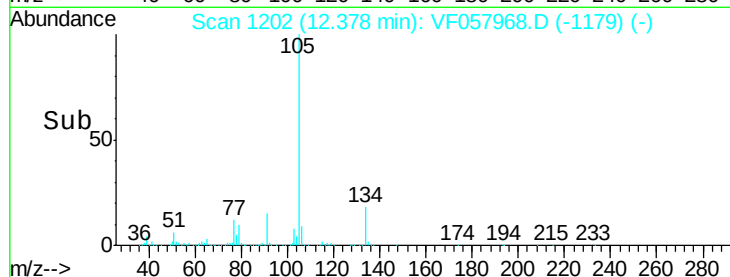
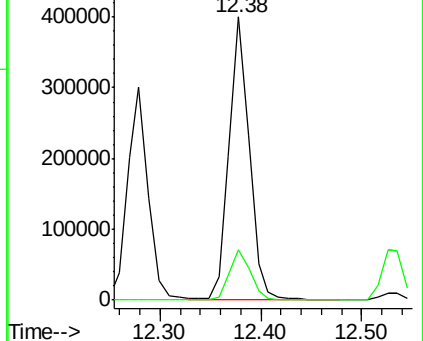
105 100

134 17.9 9.3 27.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.63 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

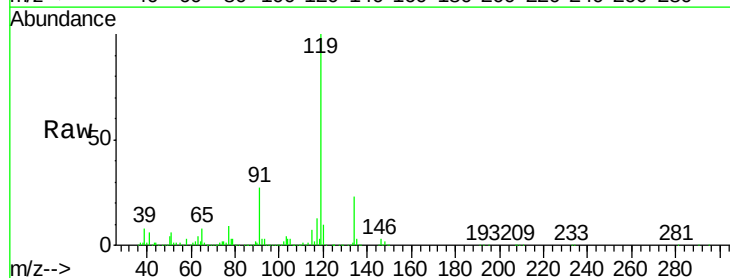
Tgt Ion:119 Resp: 445665

Ion Ratio Lower Upper

119 100

134 23.2 13.4 40.2

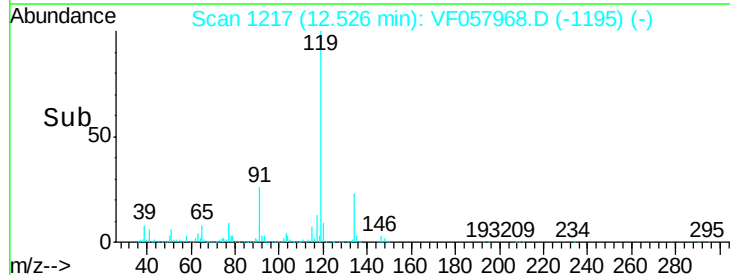
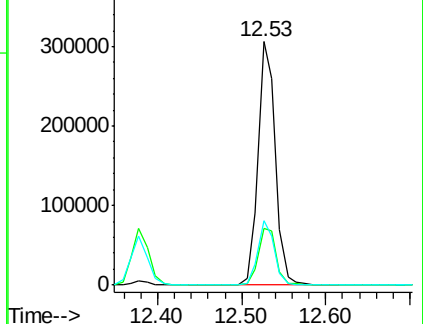
91 26.6 11.5 34.5

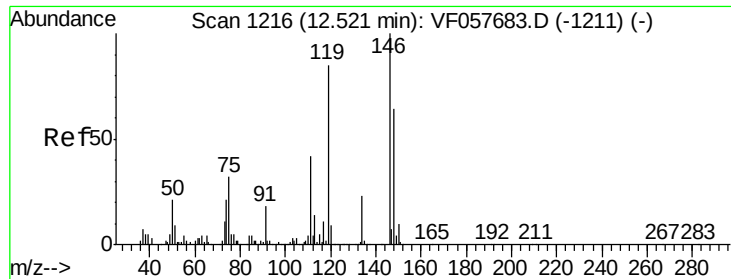


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

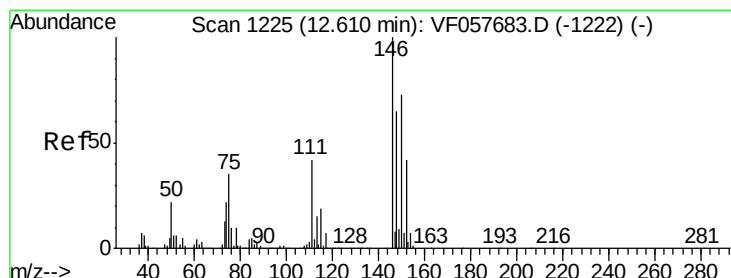
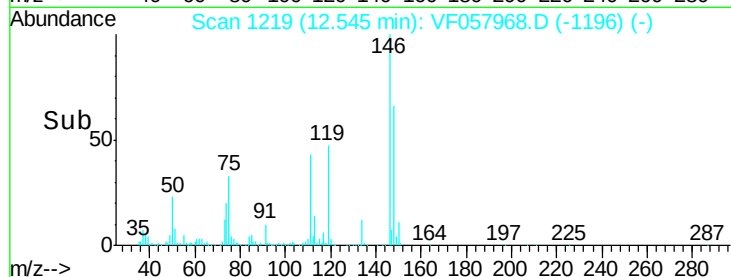
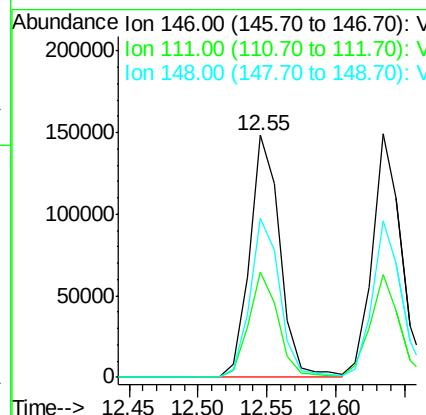
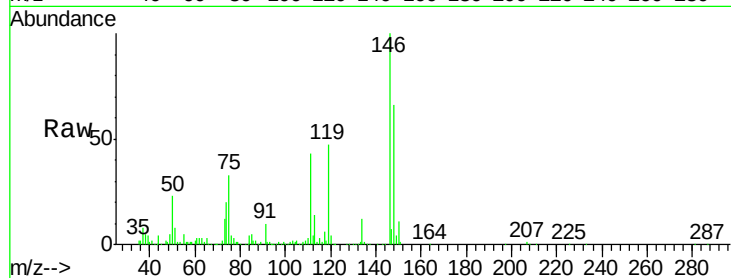




#87
 1,3-Dichlorobenzene
 Concen: 22.52 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.02 min
 Lab File: VF057968.D
 Acq: 23 May 2018 4:26

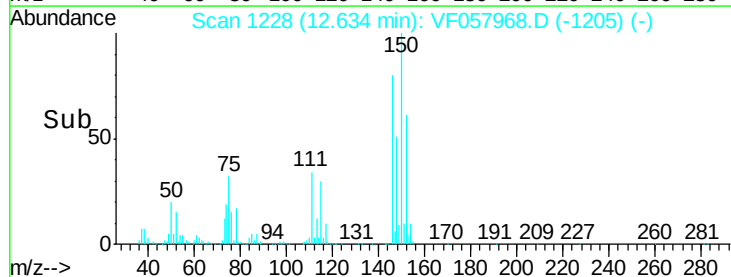
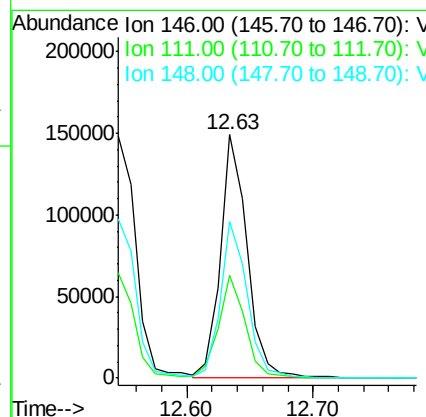
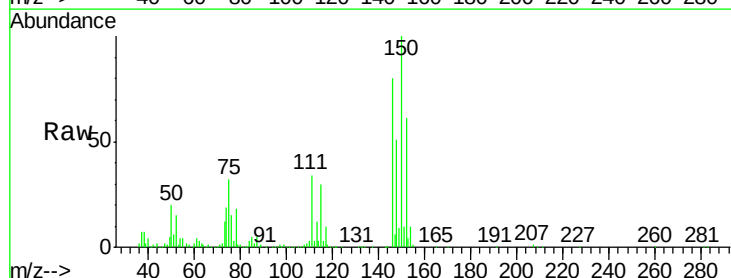
Instrument :
 MSVOA_X
 ClientSampleId :

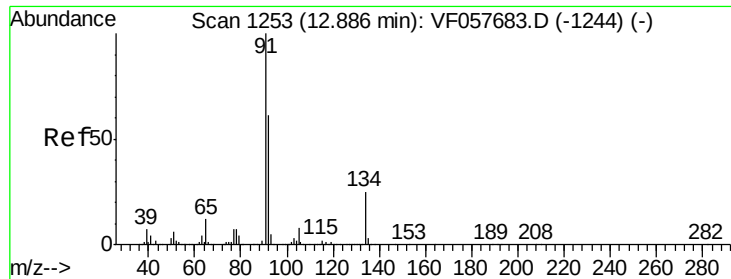
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.0	63.0
148	65.5	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 22.37 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. 0.02 min
 Lab File: VF057968.D
 Acq: 23 May 2018 4:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.3
148	64.3	32.3	96.9

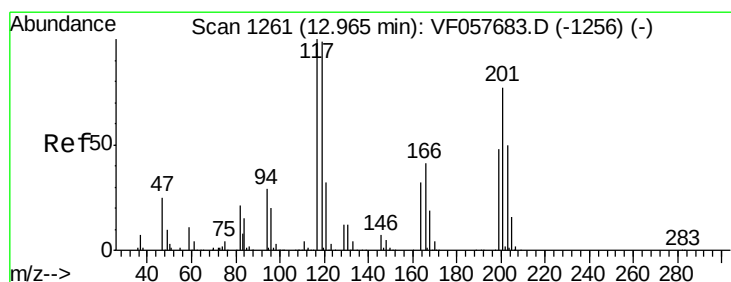
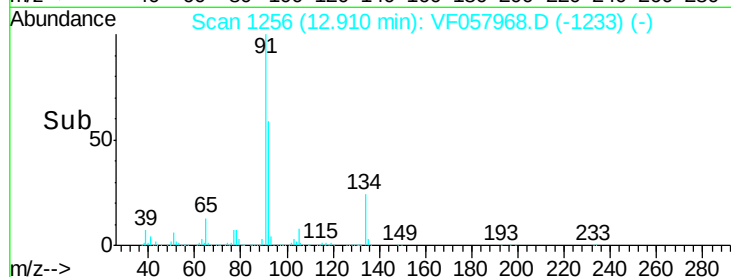
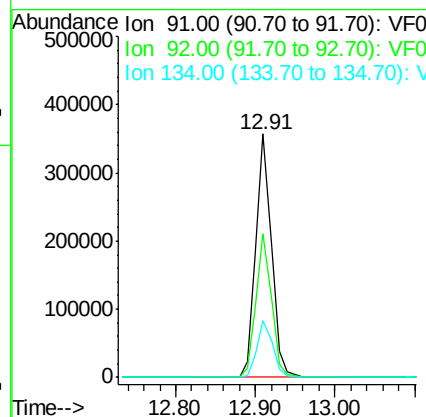
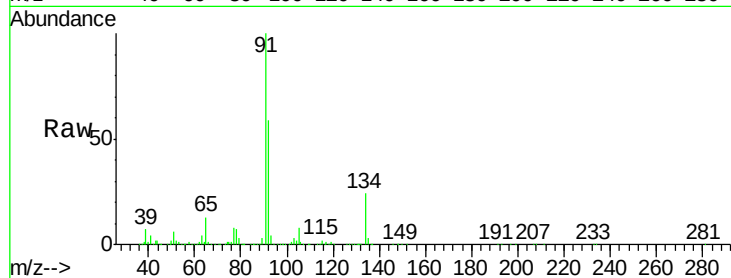




#89
n-Butylbenzene
Concen: 24.21 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. 0.03 min
Lab File: VF057968.D
Acq: 23 May 2018 4:26

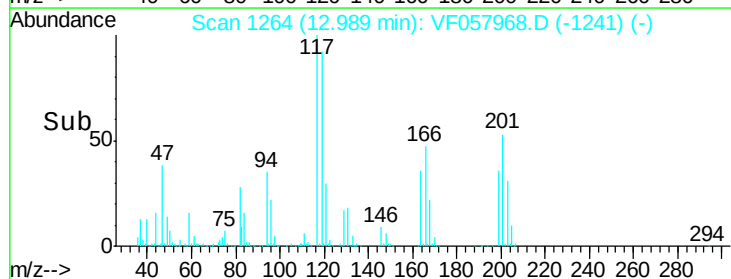
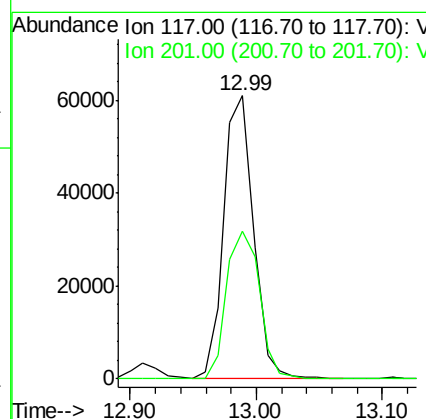
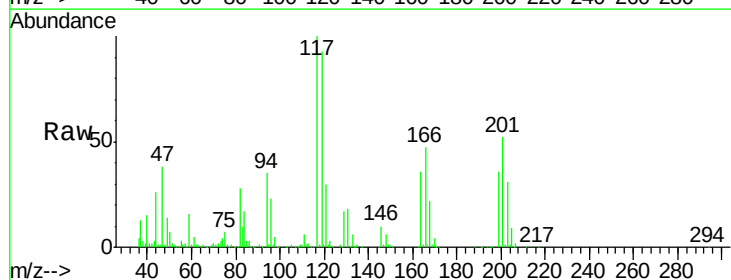
Instrument :
MSVOA_X
ClientSampled :

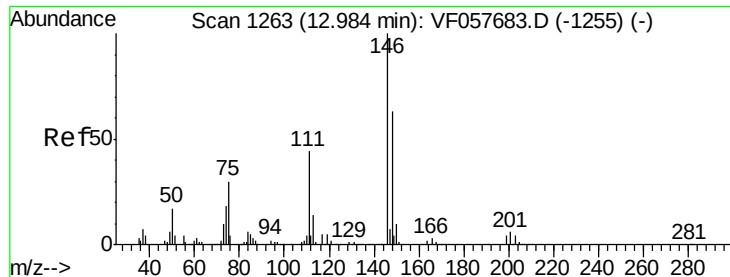
Tot Ion	Ratio	Lower	Upper
91	100		
92	59.0	30.3	91.0
134	23.6	12.7	38.1



#90
Hexachloroethane
Concen: 21.18 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.02 min
Lab File: VF057968.D
Acq: 23 May 2018 4:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	53.6	38.6	115.7





#91

1,2-Dichlorobenzene

Concen: 24.18 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

ClientSampleId :

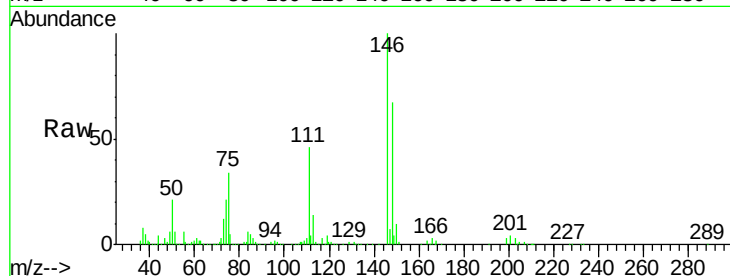
Tot Ion:146 Resp: 224793

Ion Ratio Lower Upper

146 100

111 45.6 22.0 66.0

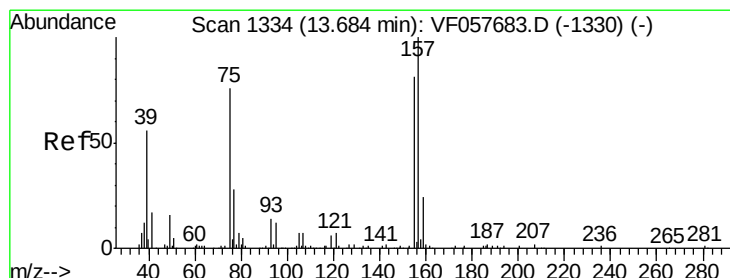
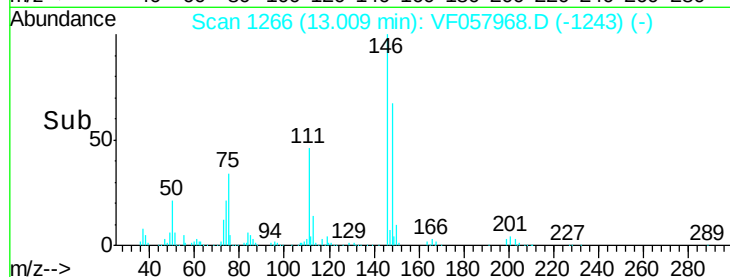
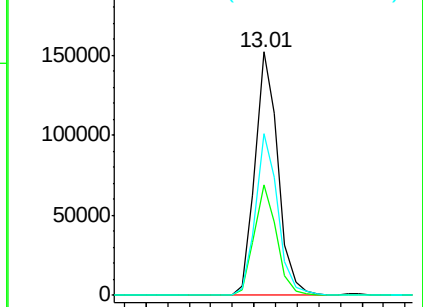
148 66.7 31.4 94.3



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: 23.38 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

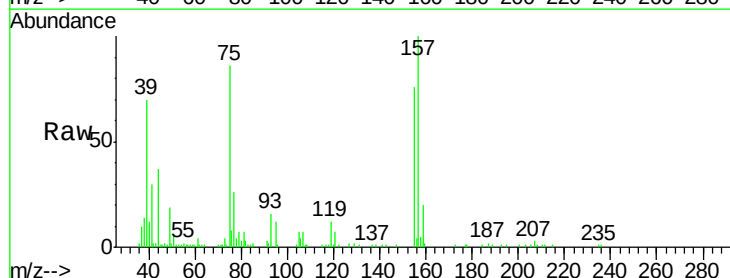
Tgt Ion: 75 Resp: 24255

Ion Ratio Lower Upper

75 100

155 89.1 52.8 158.4

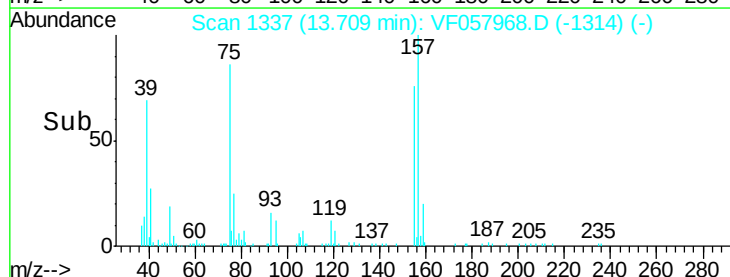
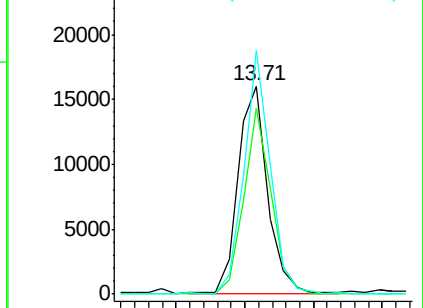
157 116.9 65.0 194.8

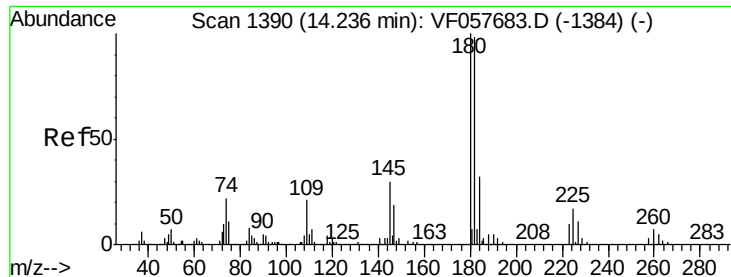


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 21.01 ug/l

RT: 14.26 min Scan# 1393

Delta R.T. 0.02 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

ClientSampleId :

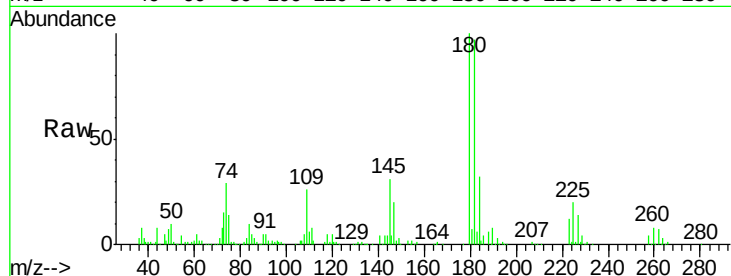
Tot Ion:180 Resp: 141119

Ion Ratio Lower Upper

180 100

182 97.3 49.0 147.2

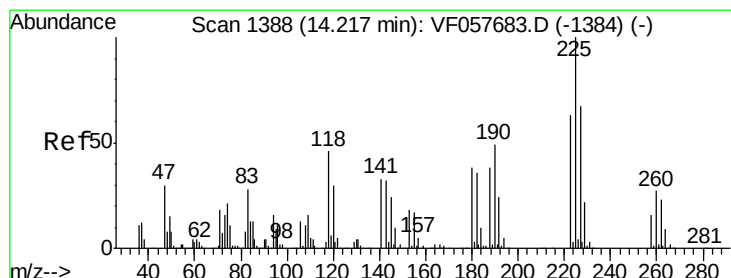
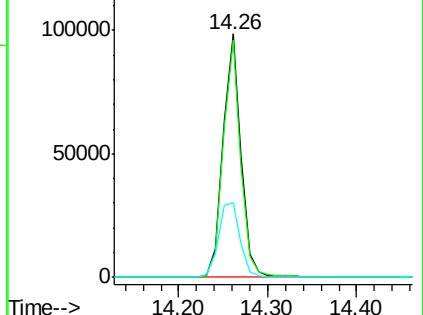
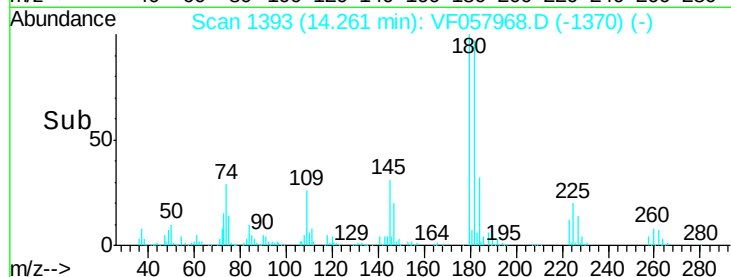
145 30.5 15.2 45.6



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: 20.04 ug/l

RT: 14.25 min Scan# 1392

Delta R.T. 0.03 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

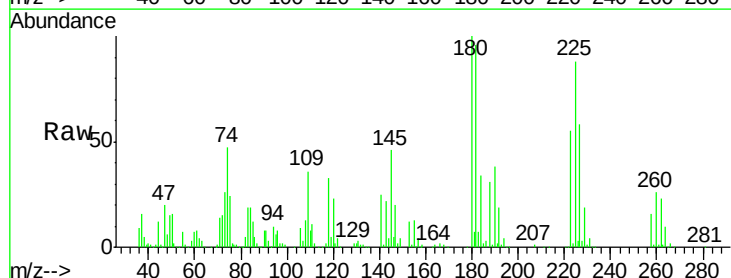
Tgt Ion:225 Resp: 74130

Ion Ratio Lower Upper

225 100

223 62.6 31.6 95.0

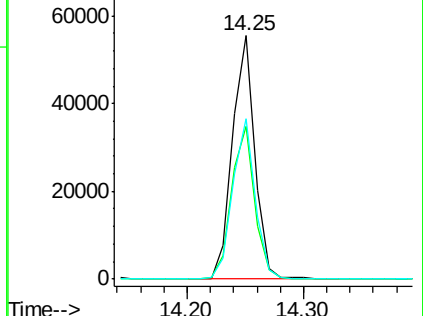
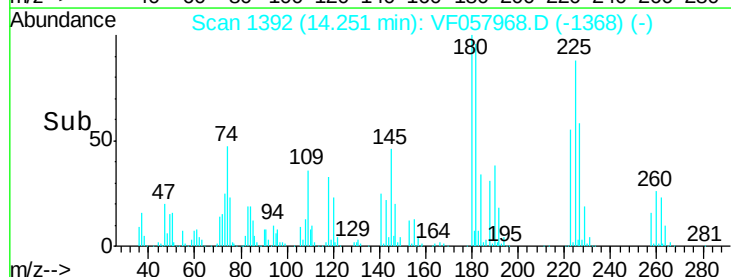
227 65.7 33.4 100.1

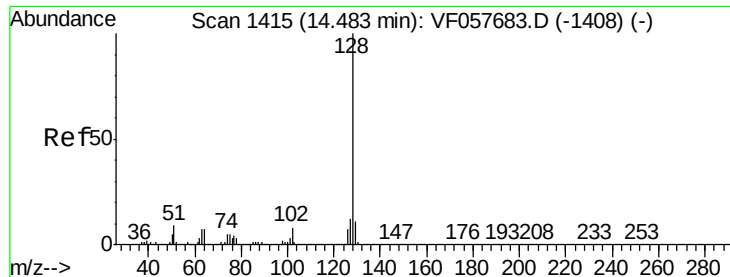


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 20.25 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.03 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

Instrument :

MSVOA_X

ClientSampled :

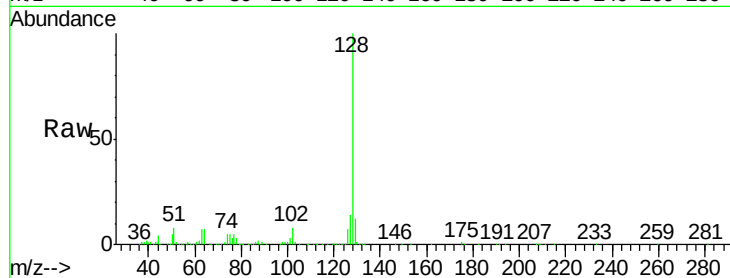
Tot Ion:128 Resp: 310240

Ion Ratio Lower Upper

128 100

127 13.7 9.8 14.8

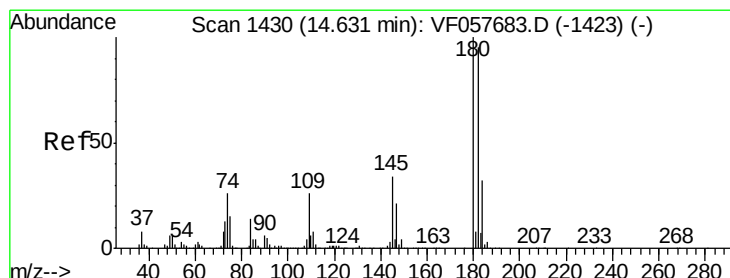
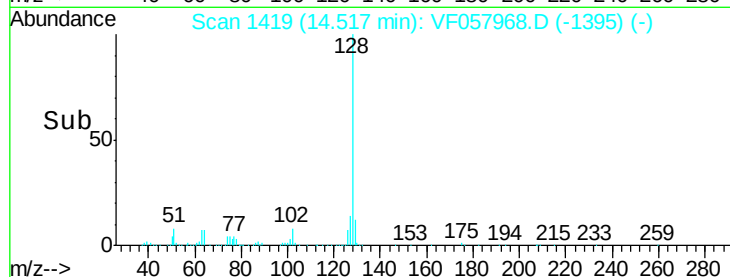
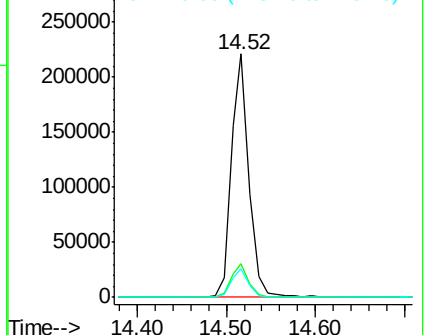
129 11.6 9.2 13.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.44 ug/l

RT: 14.66 min Scan# 1434

Delta R.T. 0.03 min

Lab File: VF057968.D

Acq: 23 May 2018 4:26

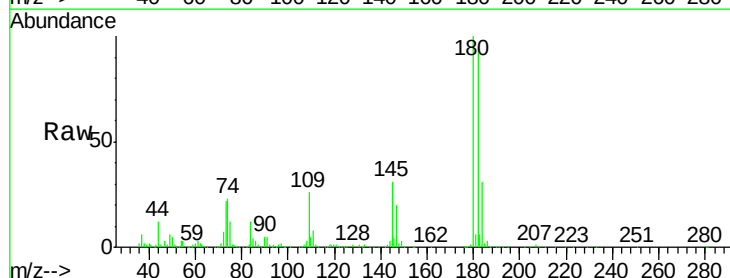
Tgt Ion:180 Resp: 132554

Ion Ratio Lower Upper

180 100

182 95.4 47.4 142.3

145 31.0 16.9 50.6



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

