

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070218\
 Data File : VF059386.D
 Acq On : 2 Jul 2018 14:50
 Operator : VA/AP
 Sample : VF0702SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBSD01

Quant Time: Jul 03 01:08:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	268307	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	409883	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	400308	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	257714	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.99	65	157603	45.46	ug/l	-0.01
Spiked Amount			Recovery	=	90.92%	
35) Dibromofluoromethane	4.26	113	132929	44.39	ug/l	-0.01
Spiked Amount			Recovery	=	88.78%	
50) Toluene-d8	7.69	98	321153	43.31	ug/l	-0.01
Spiked Amount			Recovery	=	86.62%	
62) 4-Bromofluorobenzene	11.50	95	185284	44.30	ug/l	0.00
Spiked Amount			Recovery	=	88.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	54027	22.04	ug/l	98
3) Chloromethane	1.07	50	34073	20.69	ug/l	96
4) Vinyl Chloride	1.13	62	36788	22.69	ug/l	92
5) Bromomethane	1.33	94	21949	21.40	ug/l	95
6) Chloroethane	1.43	64	16090	19.71	ug/l	100
7) Trichlorofluoromethane	1.48	101	15310	4.78	ug/l	86
8) Diethyl Ether	1.68	74	17140	20.85	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.88	101	42826	22.89	ug/l	97
10) Methyl Iodide	1.95	142	68337	20.03	ug/l	96
11) Tert butyl alcohol	2.67	59	24053	104.23	ug/l #	88
12) 1,1-Dichloroethene	1.84	96	33826	21.38	ug/l	98
13) Acrolein	2.08	56	12408	101.26	ug/l	98
14) Allyl chloride	2.18	41	68143	22.95	ug/l	92
15) Acrylonitrile	3.05	53	42980	105.76	ug/l	99
16) Acetone	2.32	43	103617	114.14	ug/l	99
17) Carbon Disulfide	1.85	76	73785	19.83	ug/l	98
18) Methyl Acetate	2.43	43	34020	21.07	ug/l #	90
19) Methyl tert-butyl Ether	2.52	73	130326	22.09	ug/l	96
20) Methylene Chloride	2.25	84	24278	5.98	ug/l	96
21) trans-1,2-Dichloroethene	2.39	96	35654	21.13	ug/l	95
22) Diisopropyl ether	2.90	45	149495	22.74	ug/l	98
23) Vinyl Acetate	3.31	43	481500	114.98	ug/l	98
24) 1,1-Dichloroethane	2.97	63	90933	22.30	ug/l	97
25) 2-Butanone	4.49	43	123134	115.95	ug/l	98
26) 2,2-Dichloropropane	3.73	77	66235	23.56	ug/l	100
27) cis-1,2-Dichloroethene	3.60	96	57616	22.49	ug/l	80
28) Bromochloromethane	3.86	49	39796	23.14	ug/l	98
29) Tetrahydrofuran	4.24	42	54751	118.13	ug/l	96
30) Chloroform	4.01	83	130508	22.11	ug/l	96
31) Cyclohexane	3.84	56	58399	21.87	ug/l	98
32) 1,1,1-Trichloroethane	4.25	97	98294	22.76	ug/l	92
36) 1,1-Dichloropropene	4.43	75	80180	22.39	ug/l	98
37) Ethyl Acetate	4.26	43	56101	23.71	ug/l #	88
38) Carbon Tetrachloride	4.15	117	103515	22.91	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	71128	22.42	ug/l	91
40) Benzene	4.78	78	167395	21.08	ug/l	98
41) Methacrylonitrile	4.90	41	26371	21.59	ug/l	93
42) 1,2-Dichloroethane	5.09	62	103797	22.37	ug/l	97
43) Isopropyl Acetate	7.08	43	63073	21.15	ug/l #	90
44) Trichloroethene	5.64	130	61925	22.74	ug/l	95
45) 1,2-Dichloropropane	6.38	63	48762	21.50	ug/l	96
46) Dibromomethane	6.23	93	43641	22.17	ug/l	94
47) Bromodichloromethane	6.52	83	103089	21.63	ug/l	90
48) Methyl methacrylate	6.85	41	42998	21.51	ug/l	97
49) 1,4-Dioxane	6.85	88	4900	435.40	ug/l #	82
51) 4-Methyl-2-Pentanone	8.39	43	251752	113.94	ug/l	99
52) Toluene	7.75	92	129680	21.83	ug/l	91
53) t-1,3-Dichloropropene	8.40	75	99922	23.00	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	100272	21.25	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	51583	22.36	ug/l	94
56) Ethyl methacrylate	8.74	69	62216	21.77	ug/l	93
57) 1,3-Dichloropropane	8.98	76	86418	21.85	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.75	63	24950	116.43	ug/l	100
59) 2-Hexanone	9.61	43	212585	119.23	ug/l	100
60) Dibromochloromethane	8.85	129	79631	22.36	ug/l	96
61) 1,2-Dibromoethane	9.11	107	60527	21.64	ug/l	100
64) Tetrachloroethene	8.29	164	59984	23.10	ug/l	92
65) Chlorobenzene	9.92	112	169141	22.80	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	75967	23.68	ug/l	98
67) Ethyl Benzene	10.02	91	292832	23.27	ug/l	98
68) m/p-Xylenes	10.25	106	214291	47.84	ug/l	96
69) o-Xylene	10.81	106	110693	22.10	ug/l	92
70) Styrene	10.89	104	176114	23.08	ug/l	99
71) Bromoform	10.87	173	50160	22.81	ug/l	99
73) Isopropylbenzene	11.21	105	343782	22.90	ug/l	99
74) N-amyl acetate	11.45	43	123347	22.64	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	79813	21.05	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	61000	21.33	ug/l	100
77) Bromobenzene	11.58	156	90988	21.84	ug/l	94
78) n-propylbenzene	11.68	91	423248	23.47	ug/l	97
79) 2-Chlorotoluene	11.80	91	248301	22.54	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	296369	22.53	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.94	75	38319	22.51	ug/l	95
82) 4-Chlorotoluene	11.97	91	260367	22.07	ug/l	93
83) tert-Butylbenzene	12.20	119	318290	24.20	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	311228	22.47	ug/l	98
85) sec-Butylbenzene	12.38	105	404460	23.20	ug/l	99
86) p-Isopropyltoluene	12.53	119	328035	22.42	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	167538	21.76	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	169926	22.84	ug/l	99
89) n-Butylbenzene	12.91	91	355952	23.96	ug/l	97
90) Hexachloroethane	12.98	117	84059	23.05	ug/l	80
91) 1,2-Dichlorobenzene	13.01	146	172575	22.82	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17705	21.06	ug/l	61

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Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

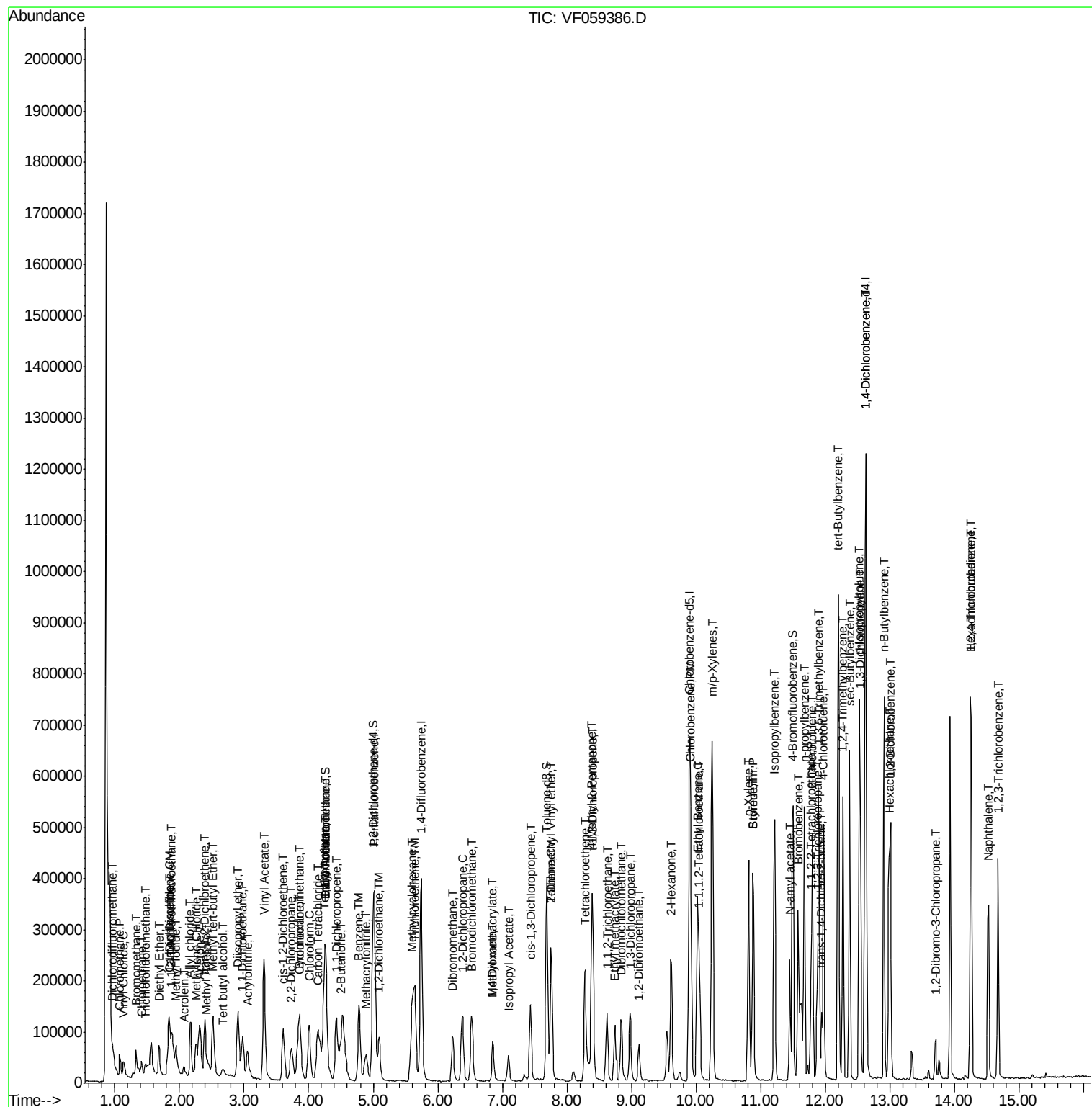
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	132658	23.72	ug/l	95
94) Hexachlorobutadiene	14.25	225	77536	24.83	ug/l	97
95) Naphthalene	14.53	128	258640	22.11	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	122744	23.17	ug/l	95

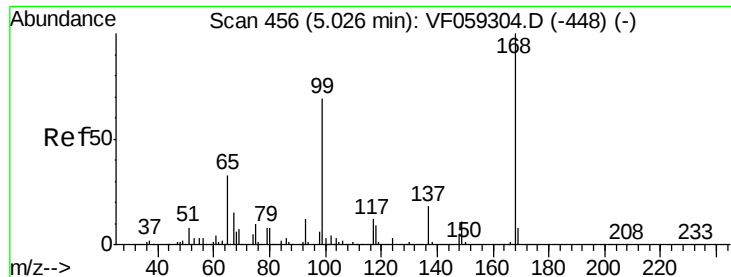
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

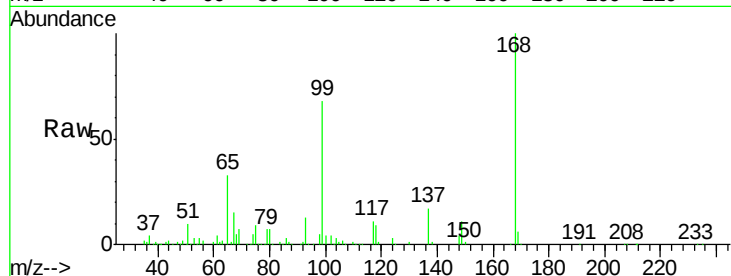
VF0702SBSD01

Tot Ion:168 Resp: 268307

Ion Ratio Lower Upper

168 100

99 68.2 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

100000

80000

60000

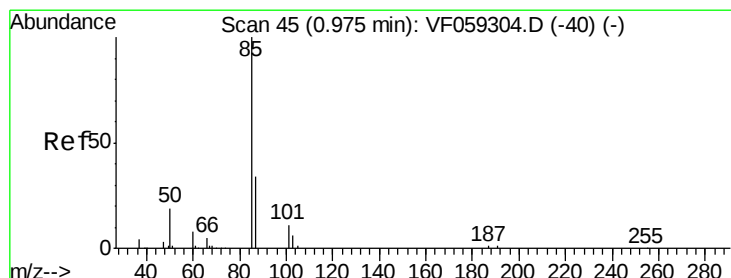
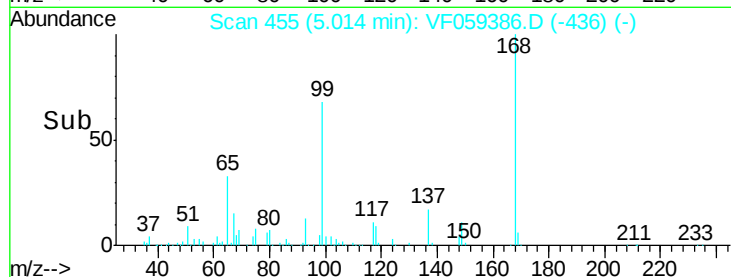
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 22.04 ug/l

RT: 0.97 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059386.D

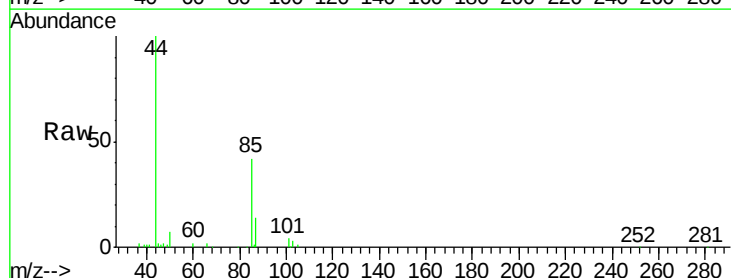
Acq: 2 Jul 2018 14:50

Tgt Ion: 85 Resp: 54027

Ion Ratio Lower Upper

85 100

87 33.2 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

15000

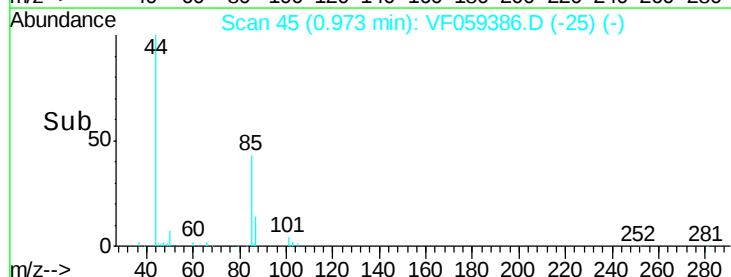
10000

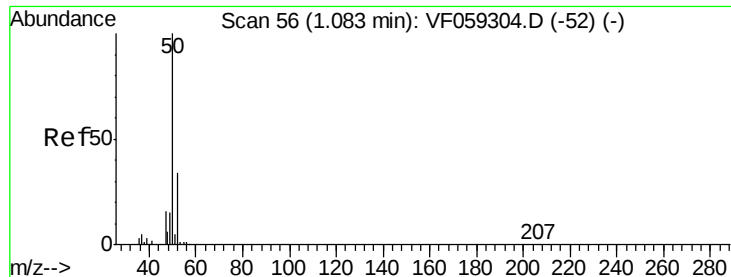
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 20.69 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

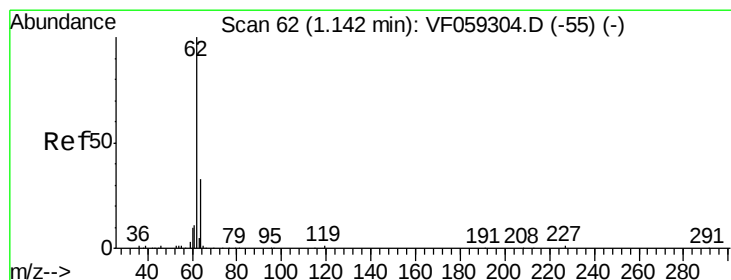
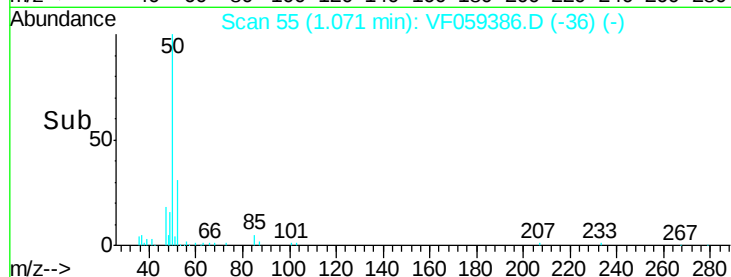
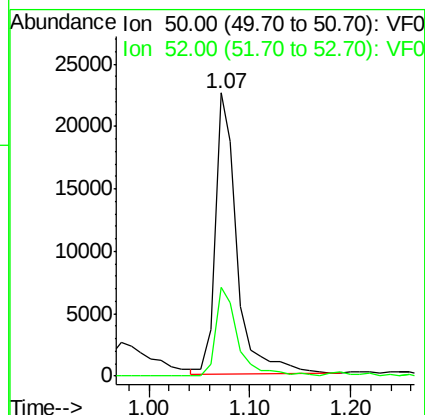
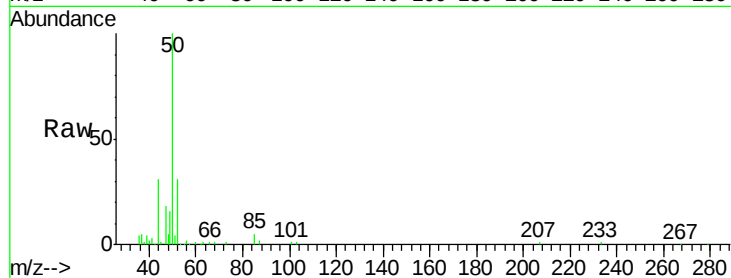
VF0702SBSD01

Tot Ion: 50 Resp: 34073

Ion Ratio Lower Upper

50 100

52 31.2 26.7 40.1



#4

Vinyl Chloride

Concen: 22.69 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059386.D

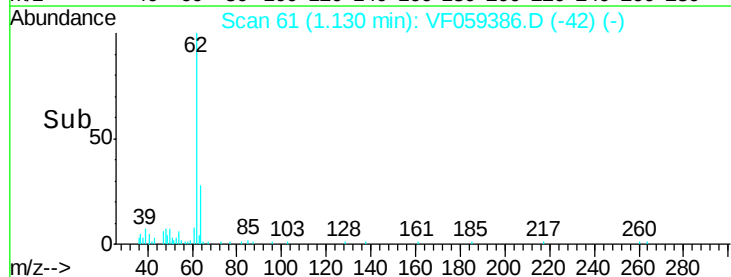
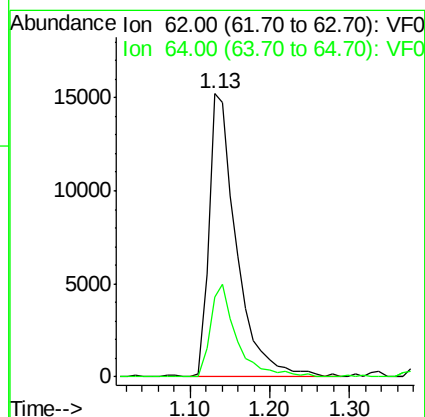
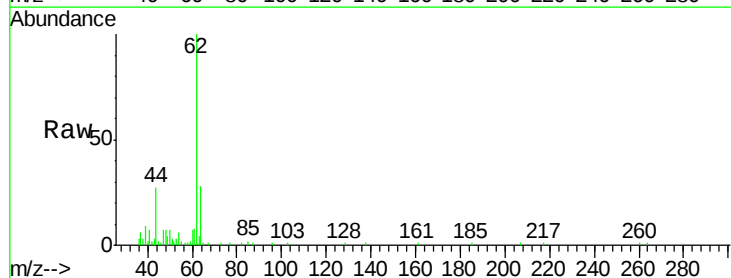
Acq: 2 Jul 2018 14:50

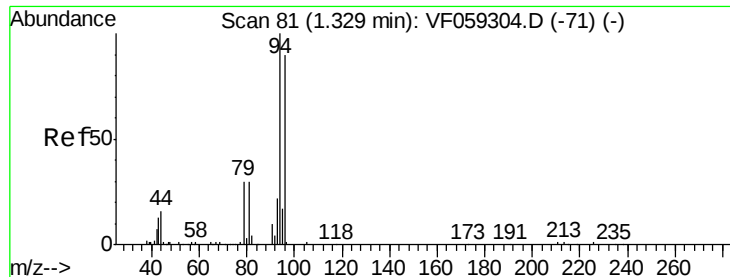
Tgt Ion: 62 Resp: 36788

Ion Ratio Lower Upper

62 100

64 28.3 26.3 39.5





#5

Bromomethane

Concen: 21.40 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

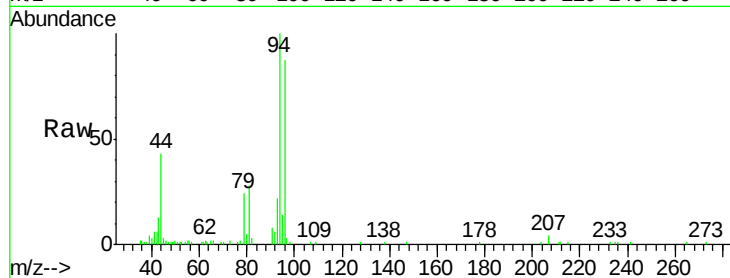
VF0702SBSD01

Tot Ion: 94 Resp: 21949

Ion Ratio Lower Upper

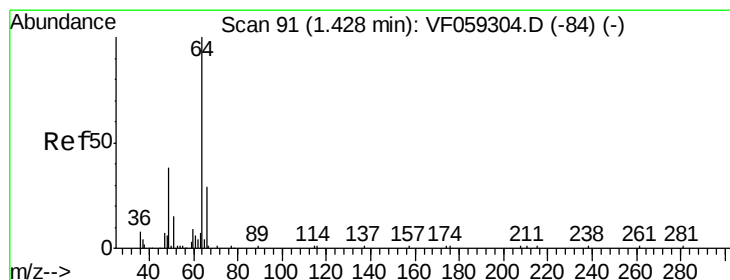
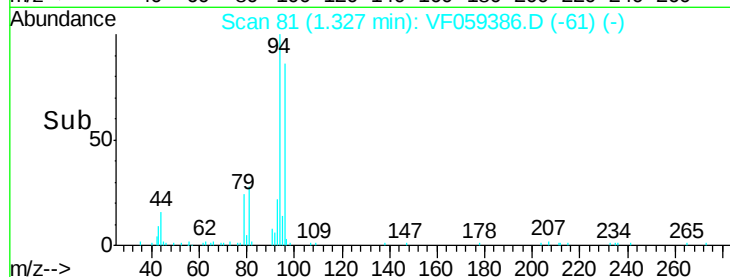
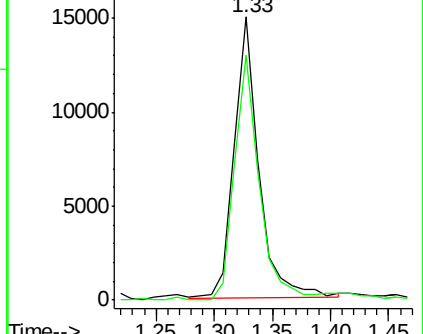
94 100

96 86.5 73.4 110.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 19.71 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059386.D

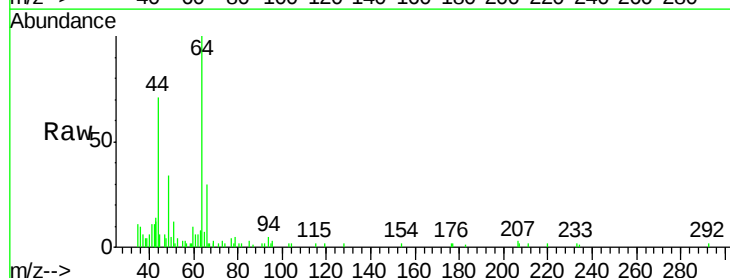
Acq: 2 Jul 2018 14:50

Tgt Ion: 64 Resp: 16090

Ion Ratio Lower Upper

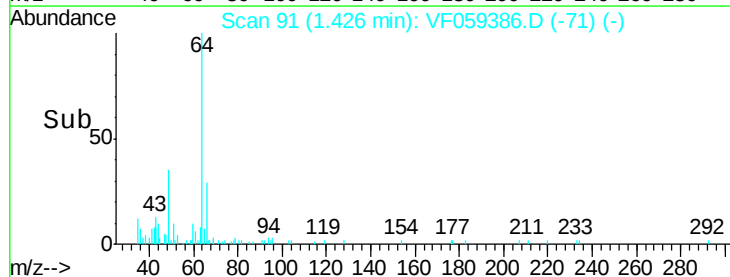
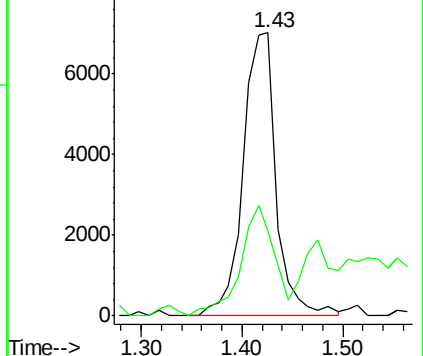
64 100

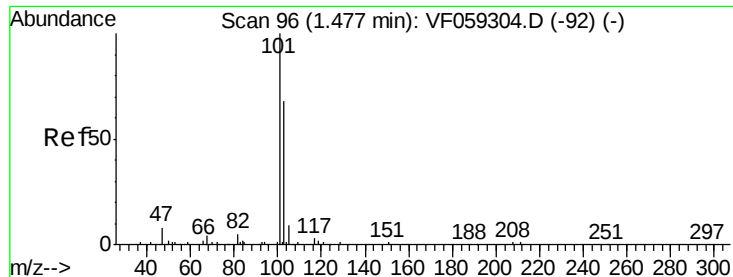
66 29.8 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 4.78 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.00 min

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Acq: 2 Jul 2018 14:50

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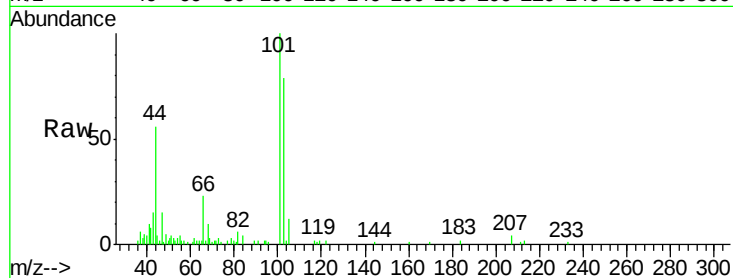
VF0702SBSD01

Tot Ion:101 Resp: 15310

Ion Ratio Lower Upper

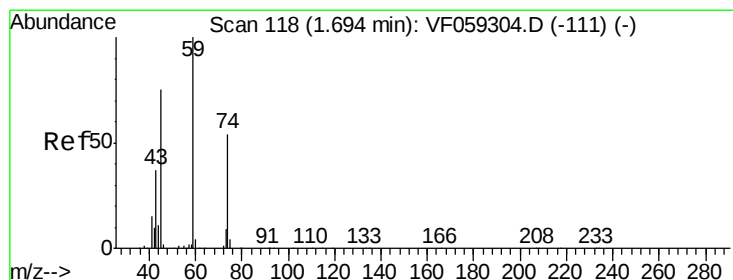
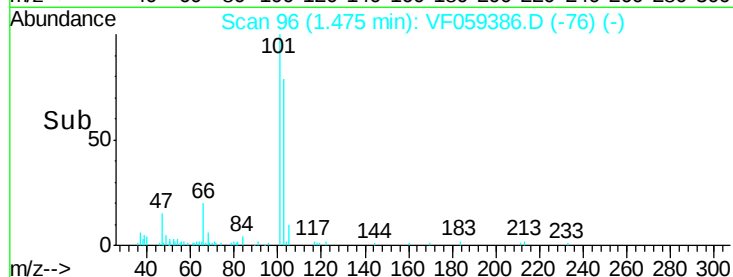
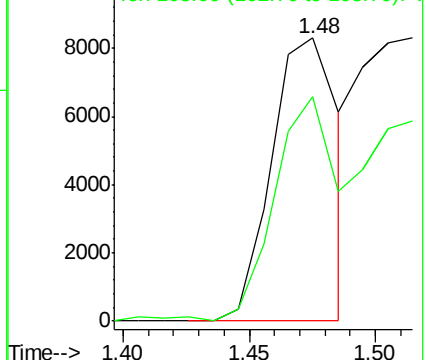
101 100

103 79.3 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.85 ug/l

RT: 1.68 min Scan# 117

Delta R.T. -0.01 min

Lab File: VF059386.D

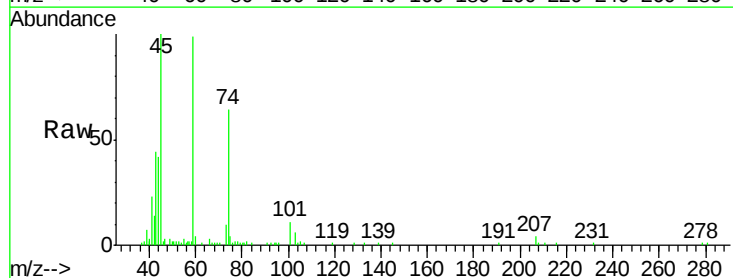
Acq: 2 Jul 2018 14:50

Tgt Ion: 74 Resp: 17140

Ion Ratio Lower Upper

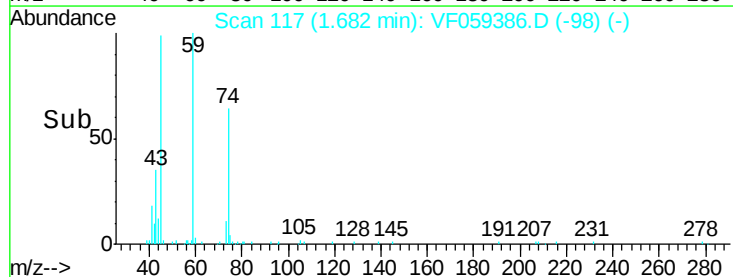
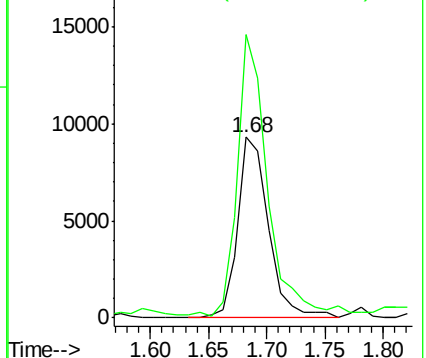
74 100

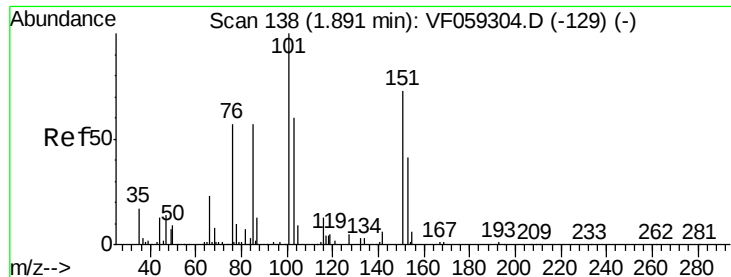
45 156.7 70.0 210.0



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: 22.89 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

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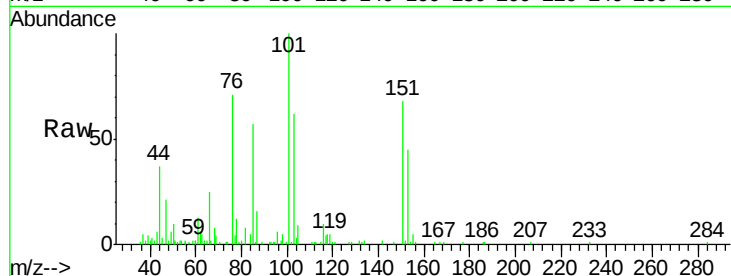
Tot Ion:101 Resp: 42826

Ion Ratio Lower Upper

101 100

85 57.3 44.5 66.7

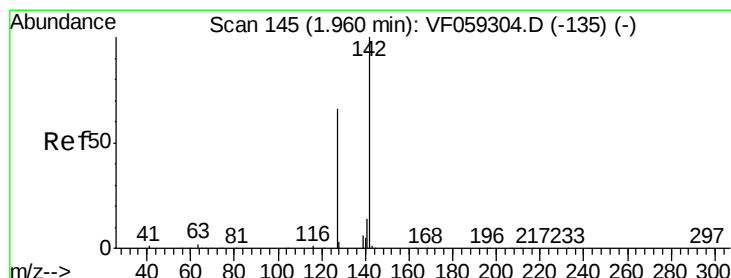
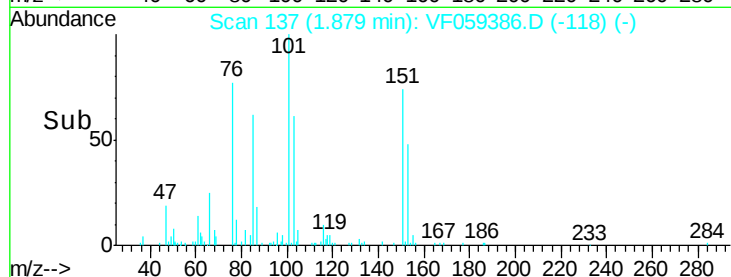
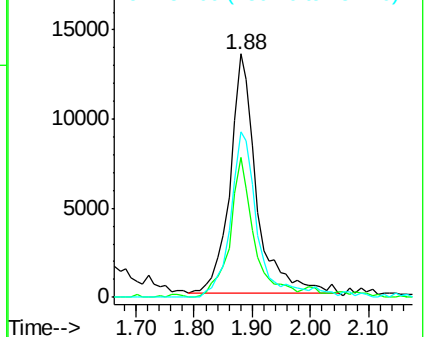
151 68.1 56.8 85.2



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: 20.03 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

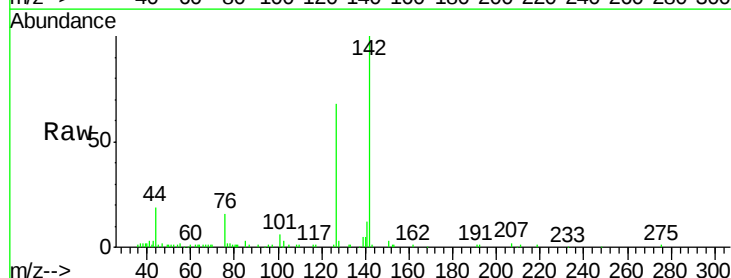
Tgt Ion:142 Resp: 68337

Ion Ratio Lower Upper

142 100

127 68.1 52.5 78.7

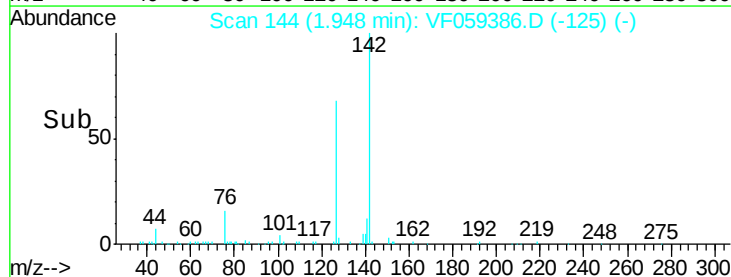
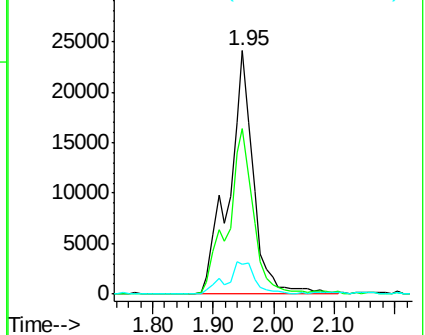
141 12.3 11.5 17.3

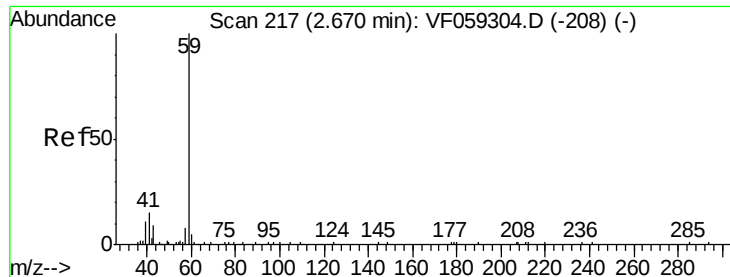


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



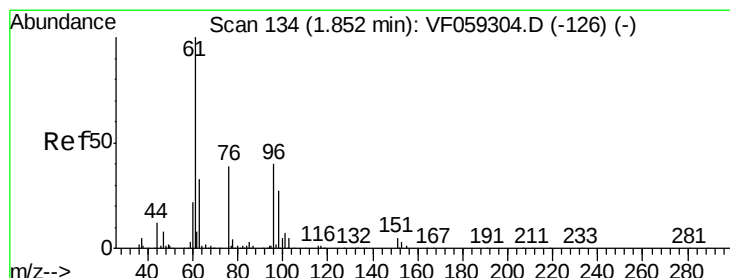
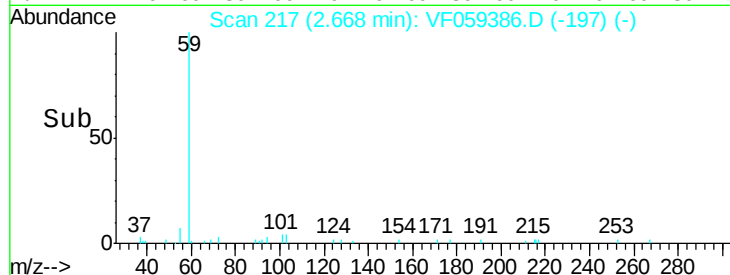
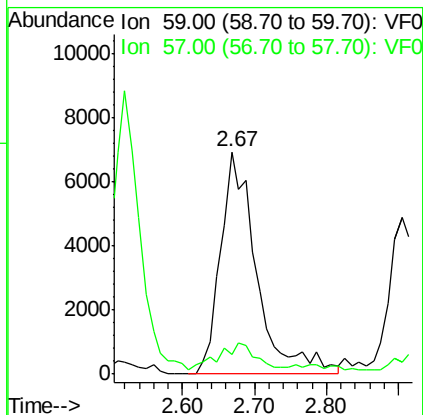
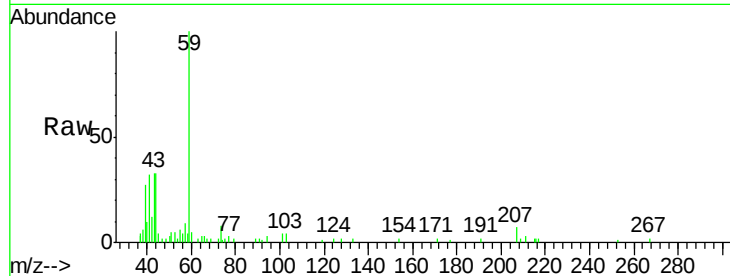


#11

Tert butyl alcohol
Concen: 104.23 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

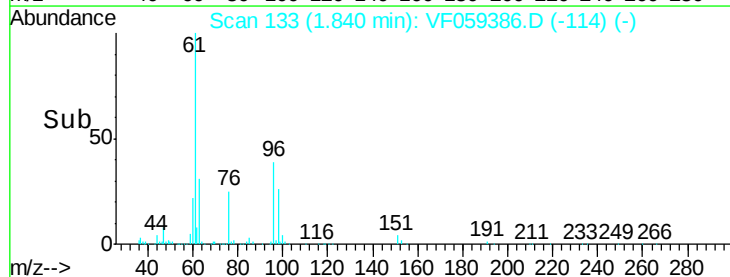
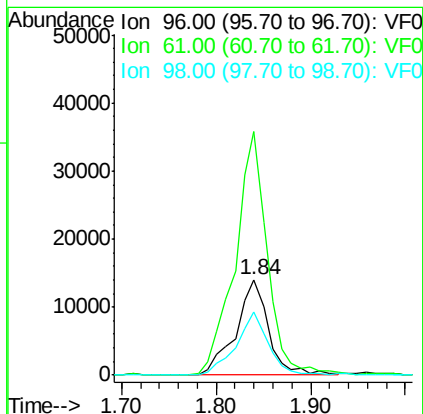
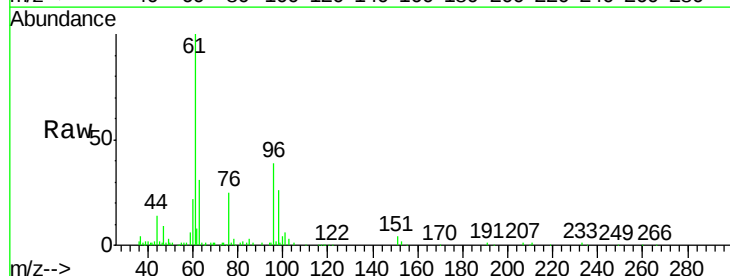
Tot Ion: 59 Resp: 24053
Ion Ratio Lower Upper
59 100
57 8.8 11.0 16.4#

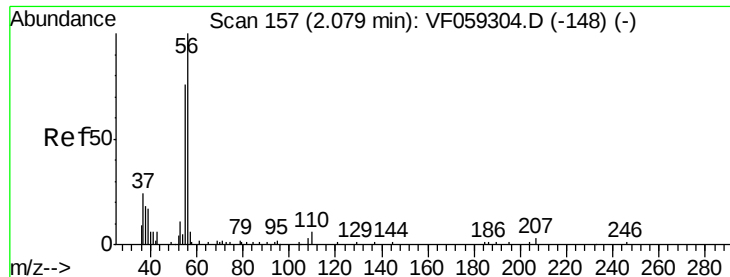


#12

1,1-Dichloroethene
Concen: 21.38 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion: 96 Resp: 33826
Ion Ratio Lower Upper
96 100
61 254.3 201.1 301.7
98 66.0 53.9 80.9





#13

Acrolein

Concen: 101.26 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

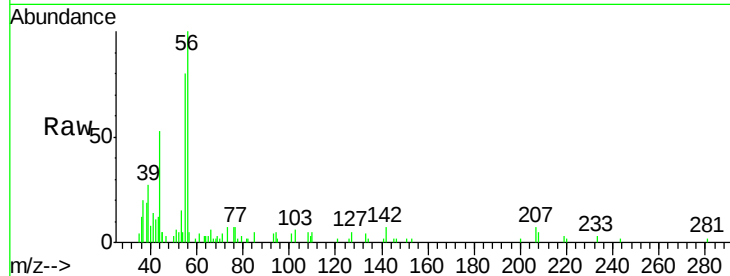
VF0702SBSD01

Tot Ion: 56 Resp: 12408

Ion Ratio Lower Upper

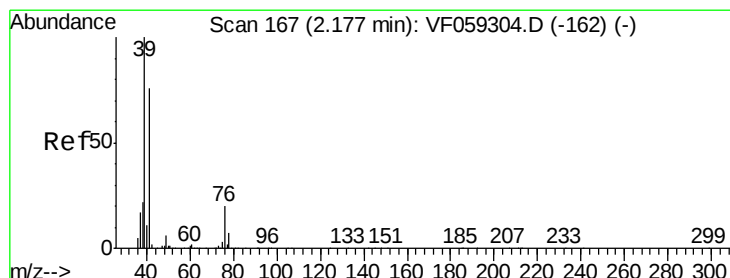
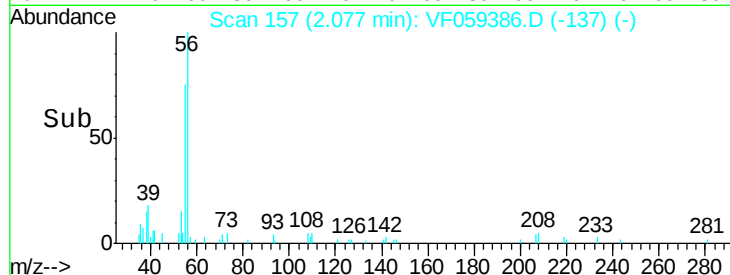
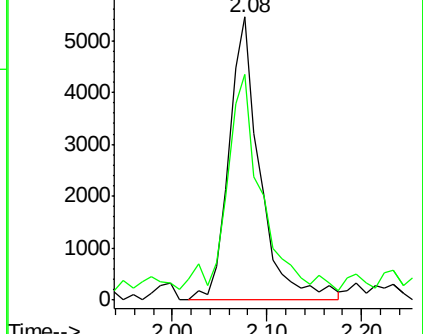
56 100

55 79.6 62.4 93.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 22.95 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

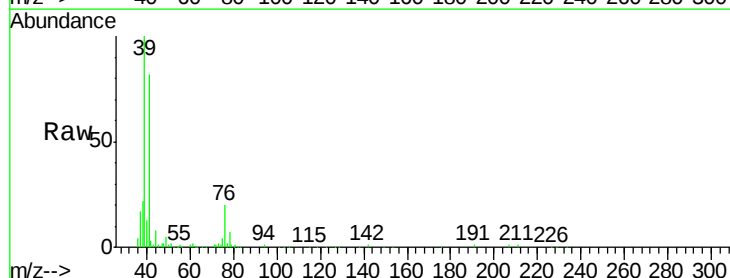
Tgt Ion: 41 Resp: 68143

Ion Ratio Lower Upper

41 100

39 121.5 105.6 158.4

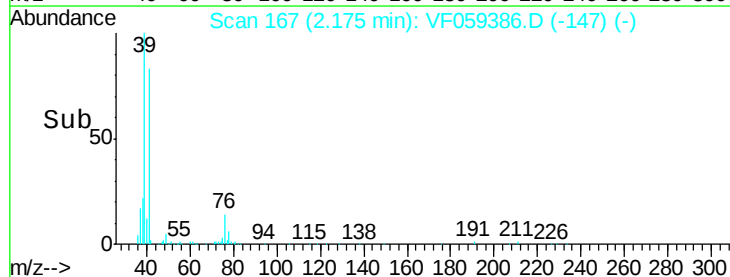
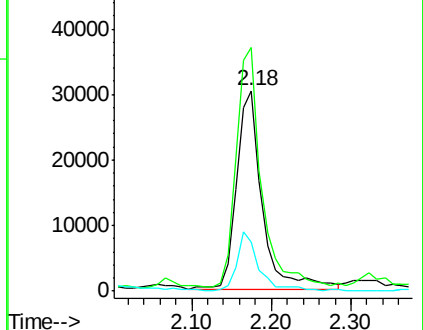
76 24.4 21.6 32.4

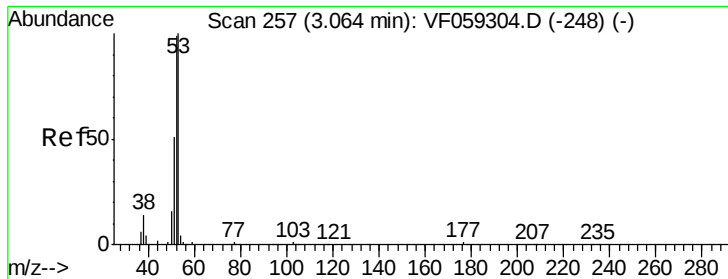


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 105.76 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

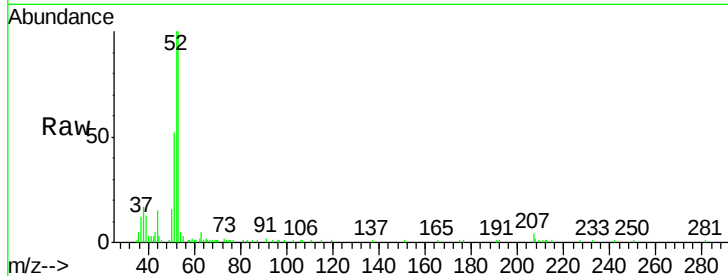
Tot Ion: 53 Resp: 42980

Ion Ratio Lower Upper

53 100

52 99.7 79.2 118.8

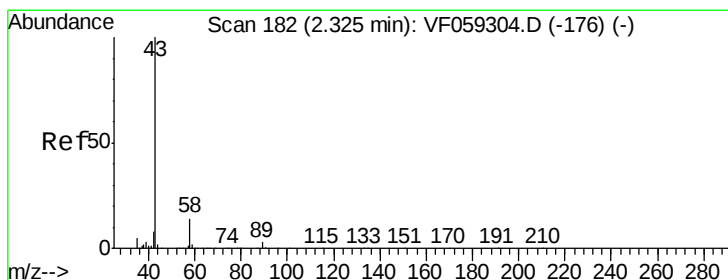
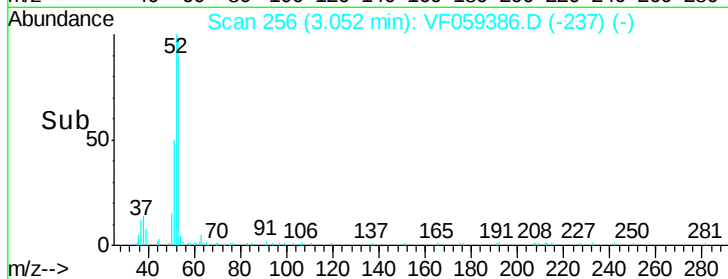
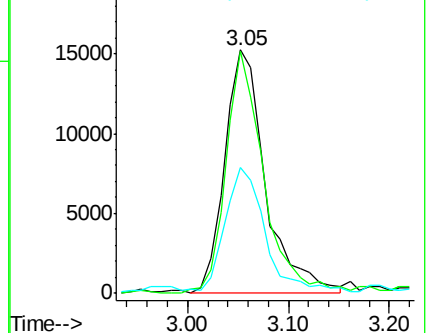
51 51.5 40.9 61.3



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 114.14 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059386.D

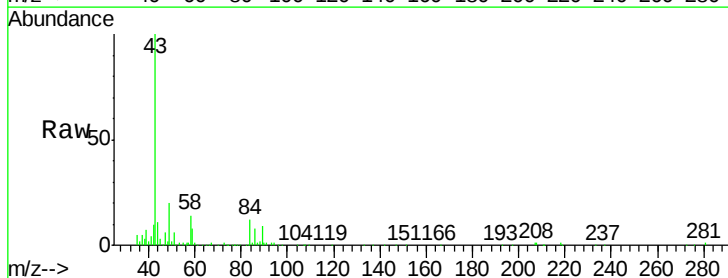
Acq: 2 Jul 2018 14:50

Tgt Ion: 43 Resp: 103617

Ion Ratio Lower Upper

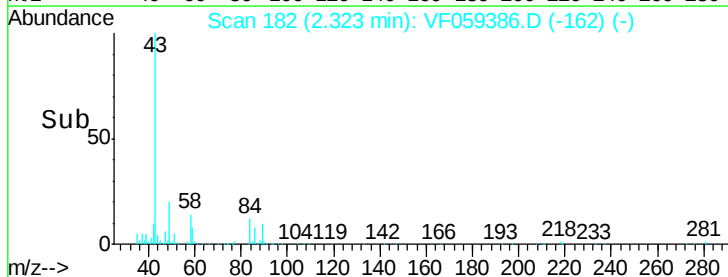
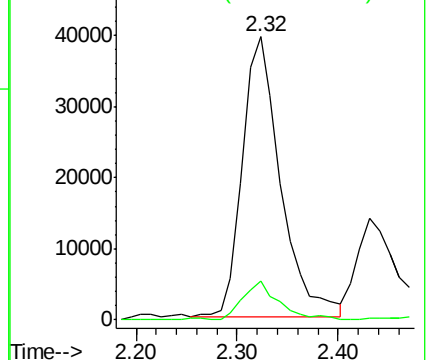
43 100

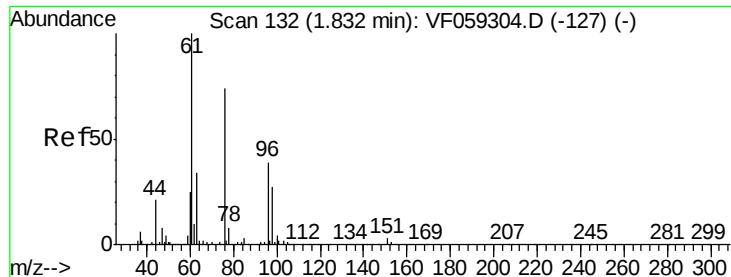
58 13.8 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 19.83 ug/l

RT: 1.85 min Scan# 134

Delta R.T. 0.02 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

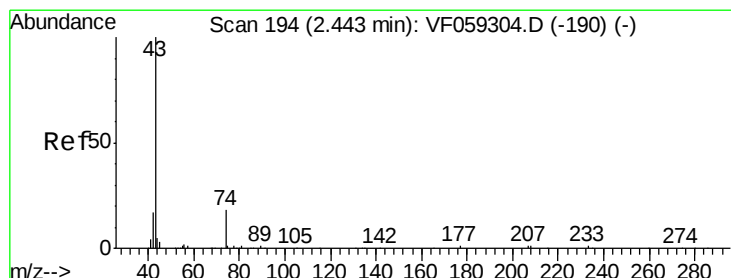
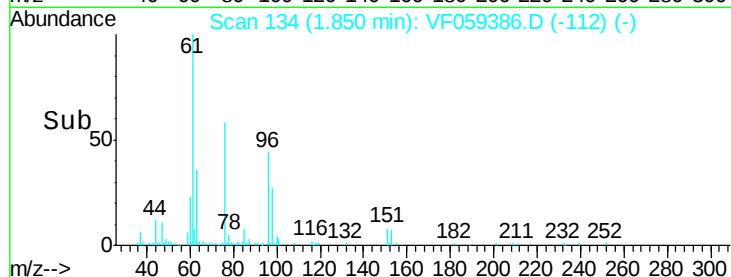
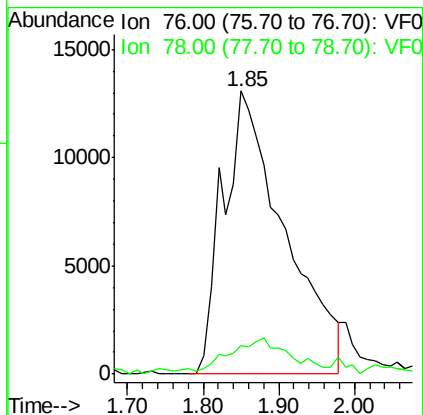
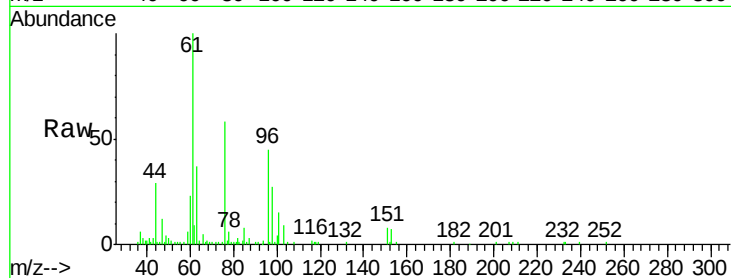
VF0702SBSD01

Tot Ion: 76 Resp: 73785

Ion Ratio Lower Upper

76 100

78 10.2 8.9 13.3



#18

Methyl Acetate

Concen: 21.07 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059386.D

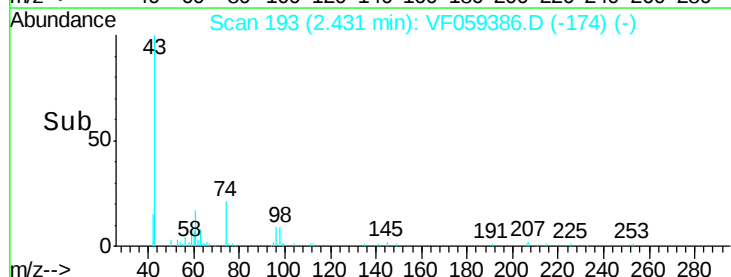
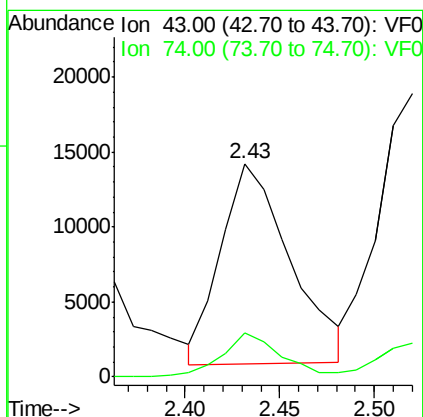
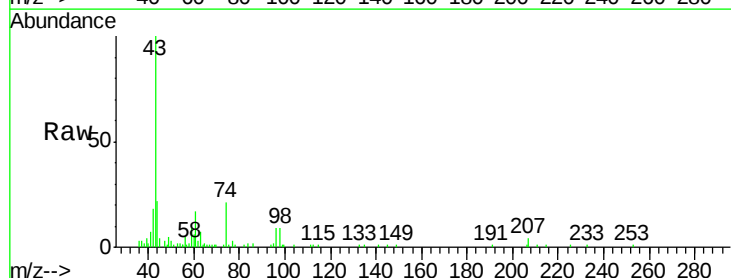
Acq: 2 Jul 2018 14:50

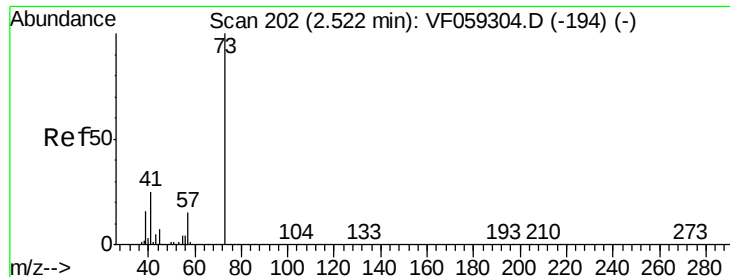
Tgt Ion: 43 Resp: 34020

Ion Ratio Lower Upper

43 100

74 20.8 13.3 19.9#



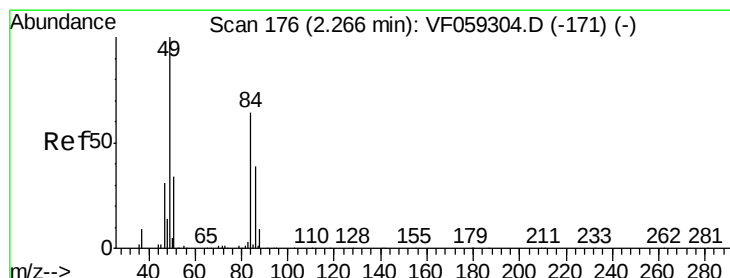
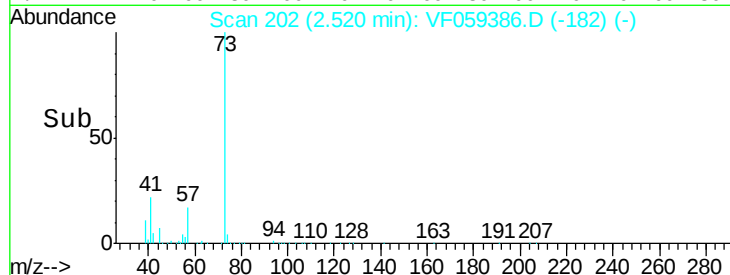
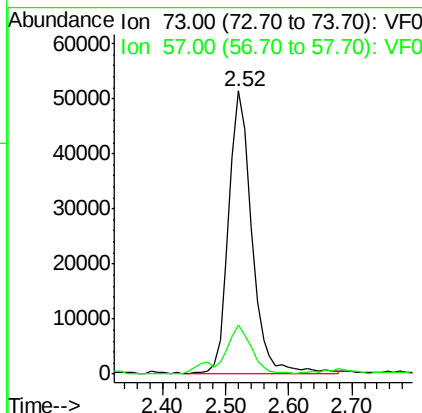
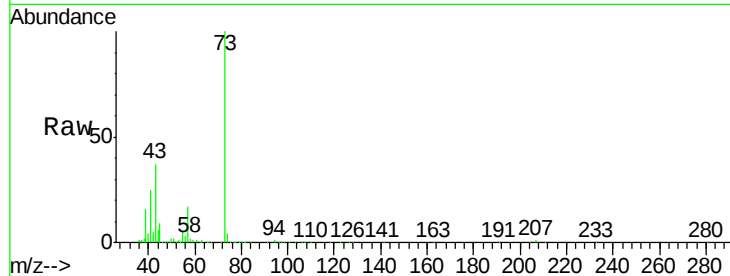


#19

Methyl tert-butyl Ether
 Concen: 22.09 ug/l
 RT: 2.52 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBSD01

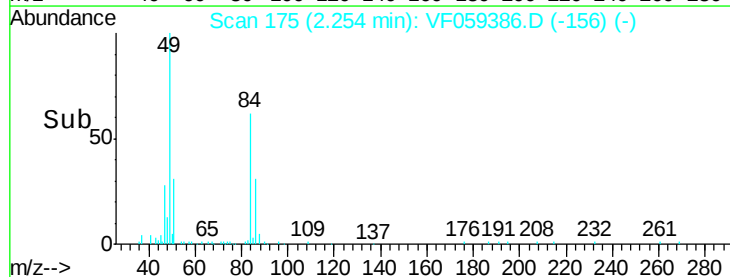
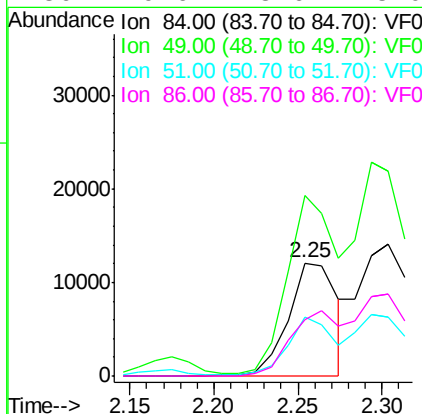
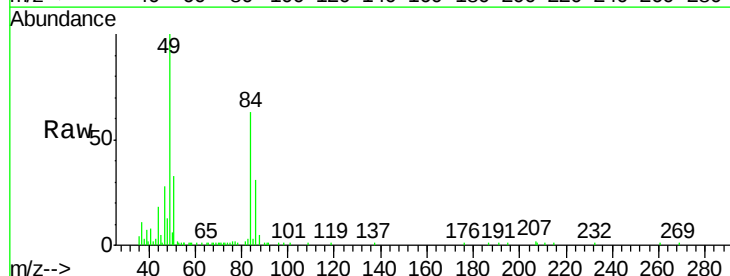
Tot Ion: 73 Resp: 130326
 Ion Ratio Lower Upper
 73 100
 57 17.2 12.3 18.5

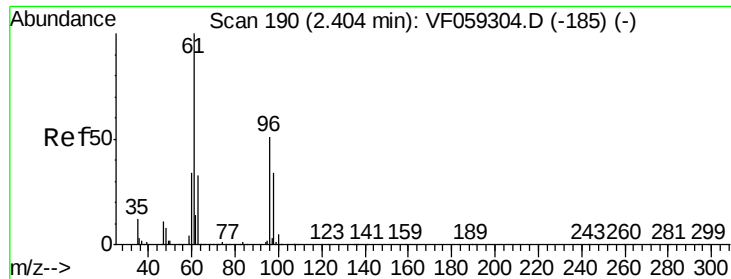


#20

Methylene Chloride
 Concen: 5.98 ug/l
 RT: 2.25 min Scan# 175
 Delta R.T. -0.01 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Tgt Ion: 84 Resp: 24278
 Ion Ratio Lower Upper
 84 100
 49 158.8 126.5 189.7
 51 52.4 42.9 64.3
 86 49.6 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 21.13 ug/l

RT: 2.39 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

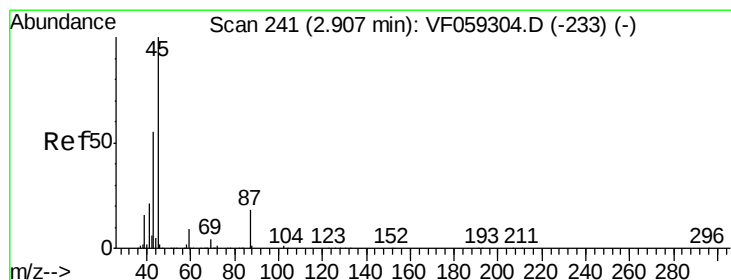
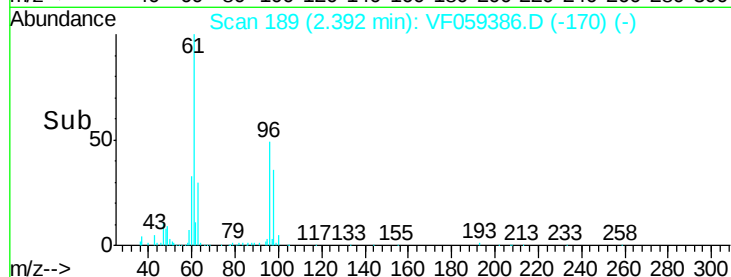
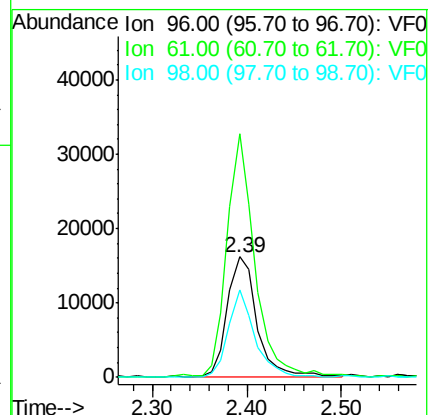
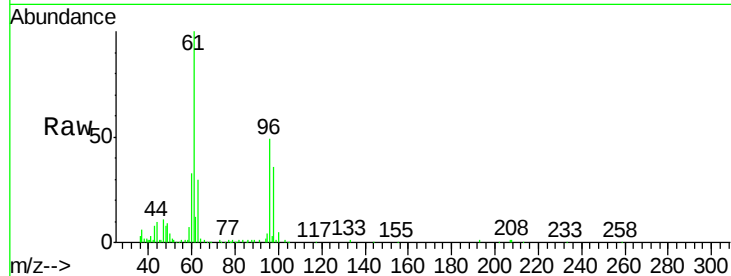
Tot Ion: 96 Resp: 35654

Ion Ratio Lower Upper

96 100

61 202.5 157.4 236.2

98 72.5 53.7 80.5



#22

Diisopropyl ether

Concen: 22.74 ug/l

RT: 2.90 min Scan# 241

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Tgt Ion: 45 Resp: 149495

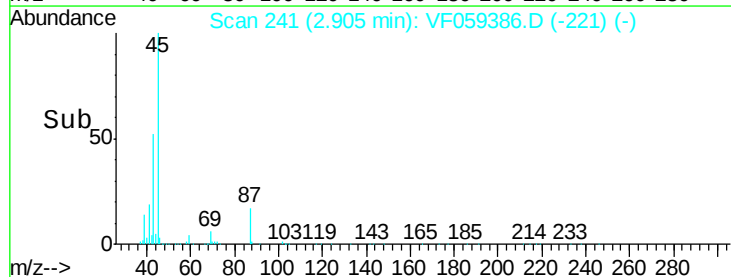
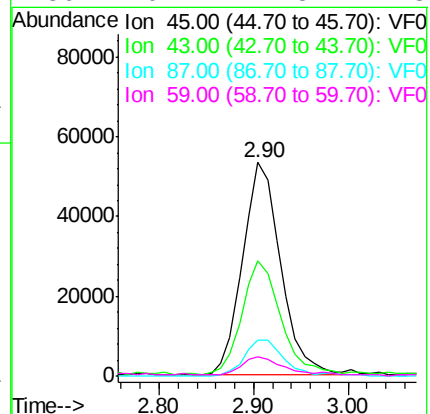
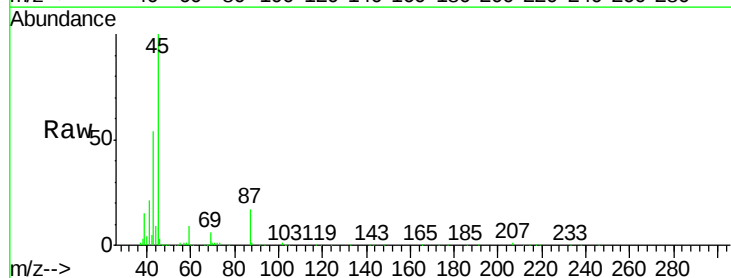
Ion Ratio Lower Upper

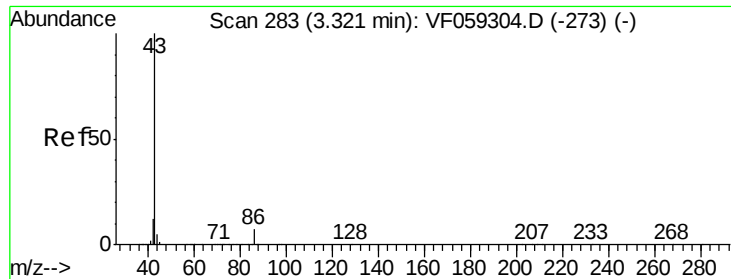
45 100

43 53.7 44.6 66.8

87 17.0 14.3 21.5

59 9.1 7.5 11.3





#23

Vinyl Acetate

Concen: 114.98 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

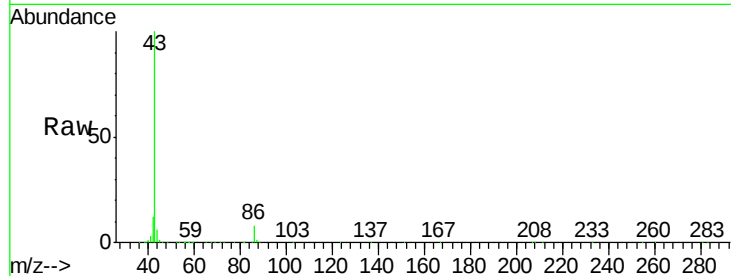
VF0702SBSD01

Tot Ion: 43 Resp: 481500

Ion Ratio Lower Upper

43 100

86 7.9 5.8 8.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.31

200000

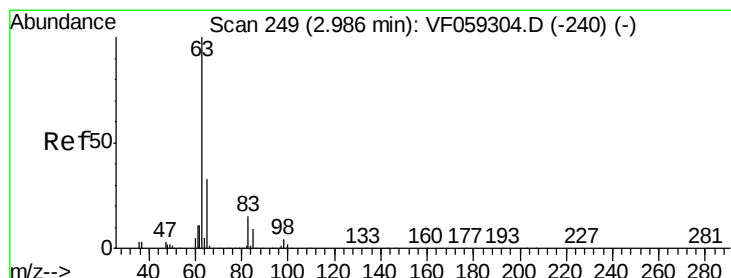
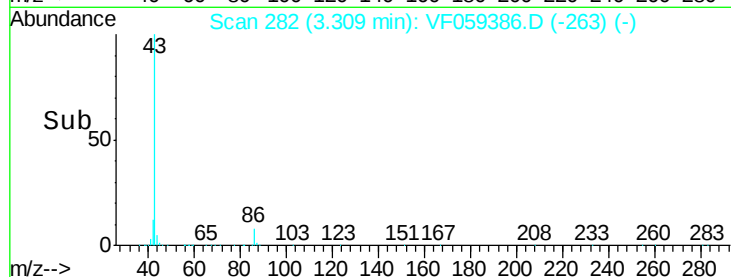
150000

100000

50000

0

Time--> 3.10 3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 22.30 ug/l

RT: 2.97 min Scan# 248

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

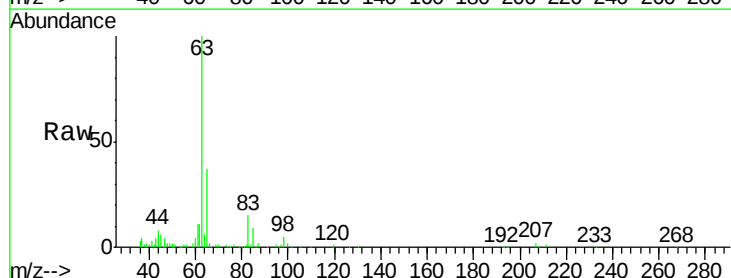
Tgt Ion: 63 Resp: 90933

Ion Ratio Lower Upper

63 100

98 5.2 2.0 6.0

100 2.0 1.3 3.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.97

40000

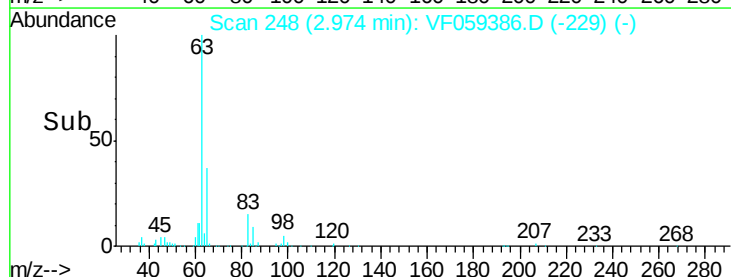
30000

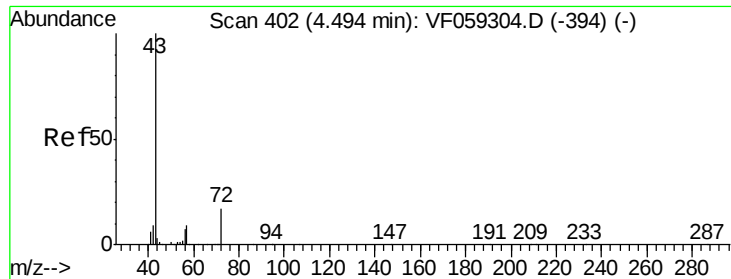
20000

10000

0

Time--> 2.80 2.90 3.00 3.10





#25

2-Butanone

Concen: 115.95 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

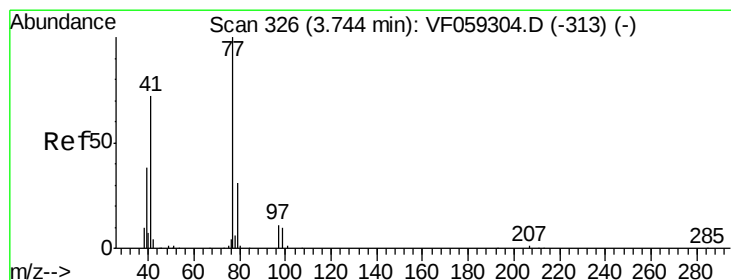
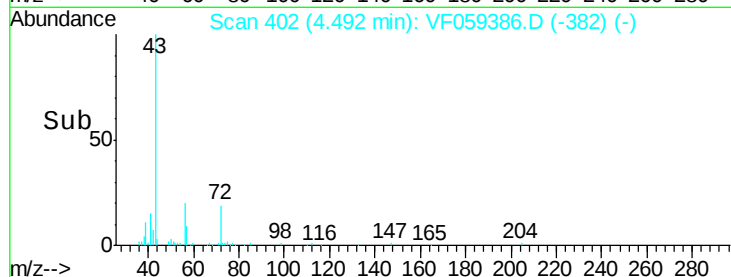
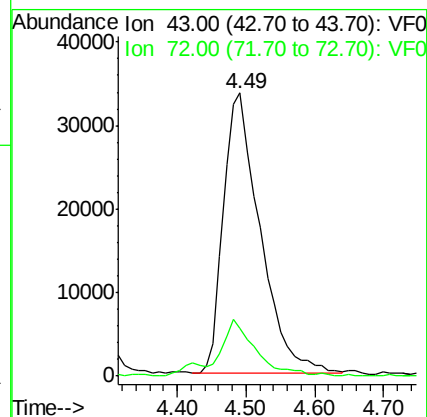
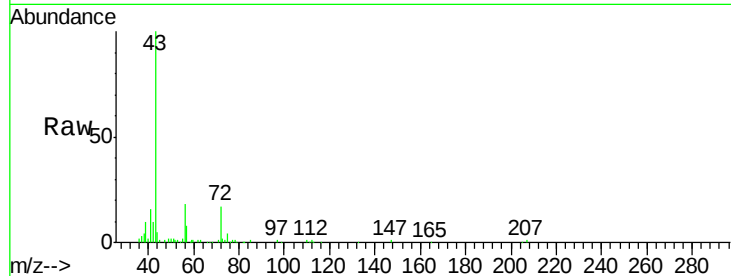
VF0702SBSD01

Tot Ion: 43 Resp: 123134

Ion Ratio Lower Upper

43 100

72 17.1 14.4 21.6



#26

2,2-Dichloropropane

Concen: 23.56 ug/l

RT: 3.73 min Scan# 325

Delta R.T. -0.01 min

Lab File: VF059386.D

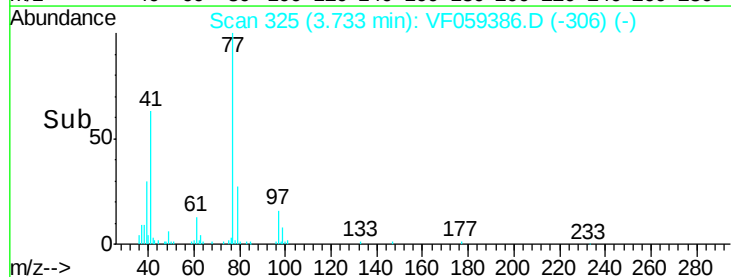
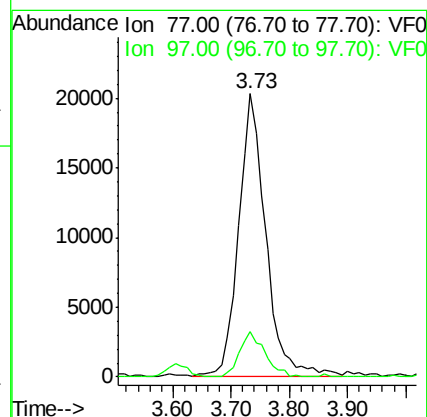
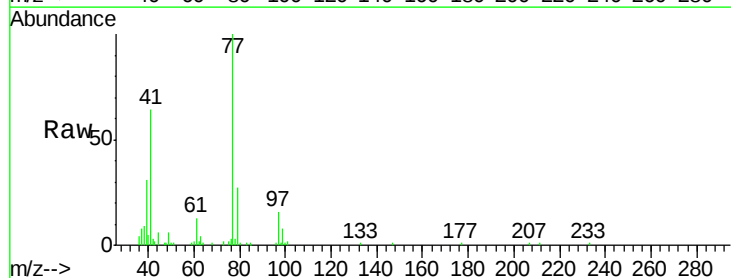
Acq: 2 Jul 2018 14:50

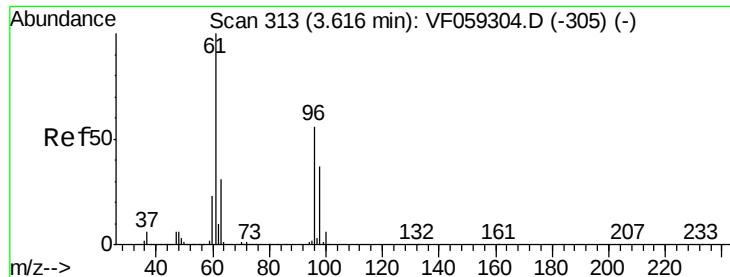
Tgt Ion: 77 Resp: 66235

Ion Ratio Lower Upper

77 100

97 16.1 8.0 23.8



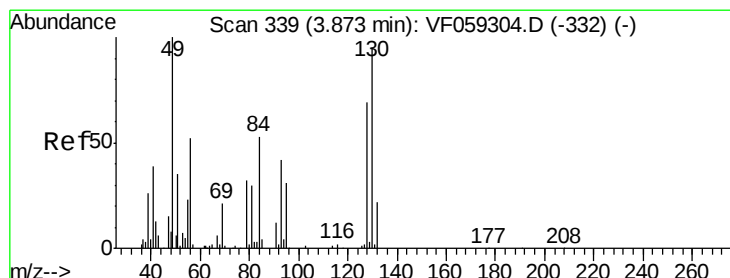
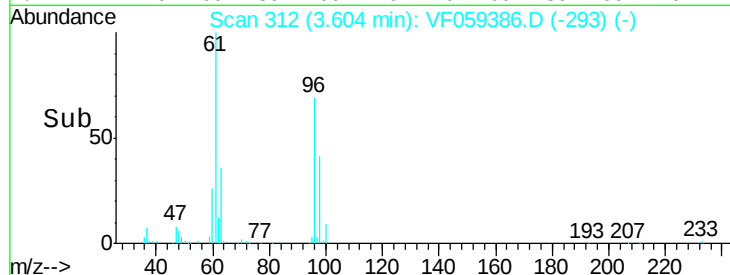
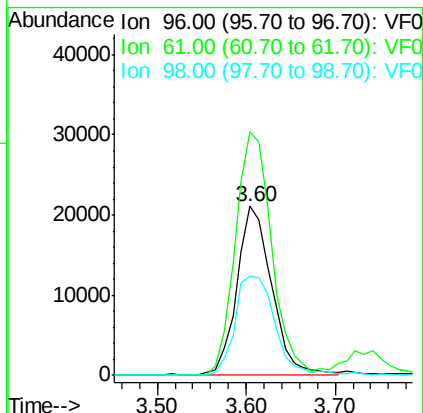
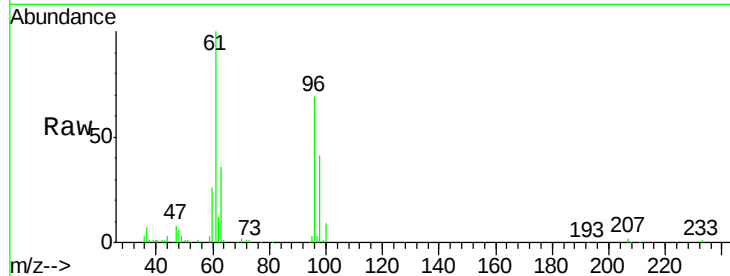


#27

cis-1,2-Dichloroethene
Concen: 22.49 ug/l
RT: 3.60 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

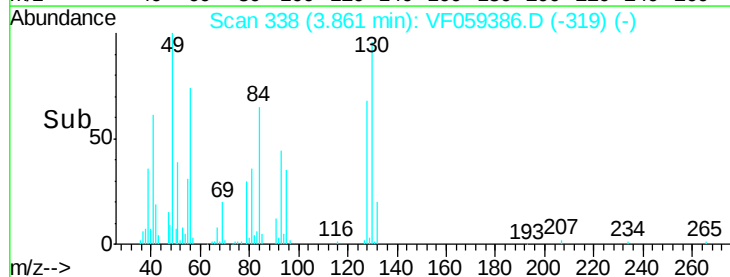
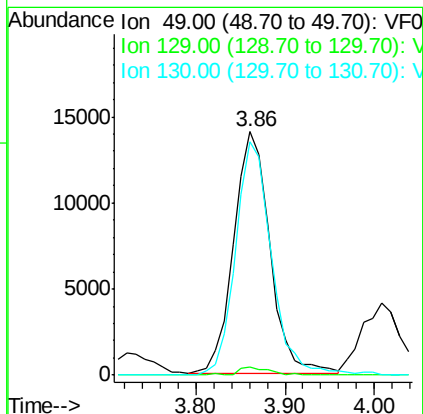
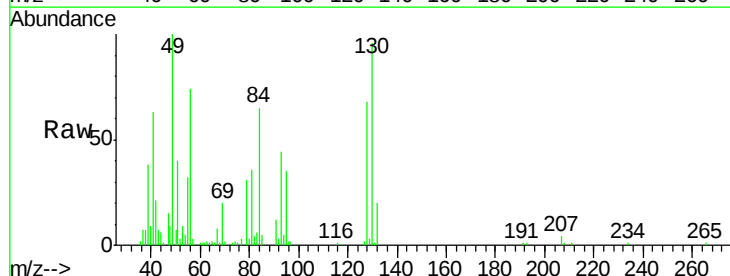
Tot Ion	96	Resp	57616
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	355.4
98	58.8	0.0	131.0

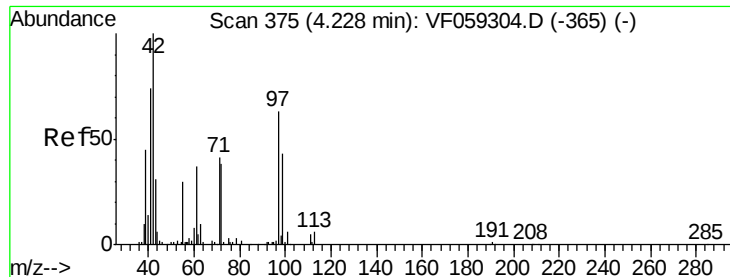


#28

Bromochloromethane
Concen: 23.14 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion	49	Resp	39796
Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	6.4
130	95.7	75.1	112.7





#29

Tetrahydrofuran

Concen: 118.13 ug/l

RT: 4.24 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

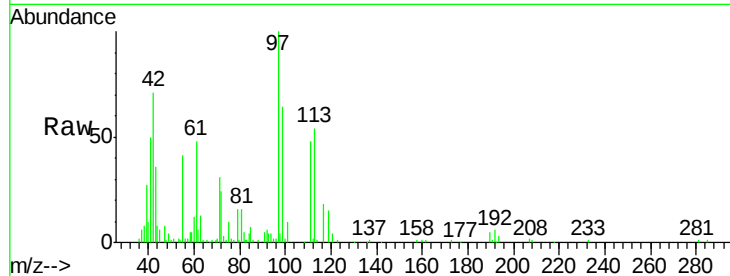
Tot Ion: 42 Resp: 54751

Ion Ratio Lower Upper

42 100

72 35.6 30.5 45.7

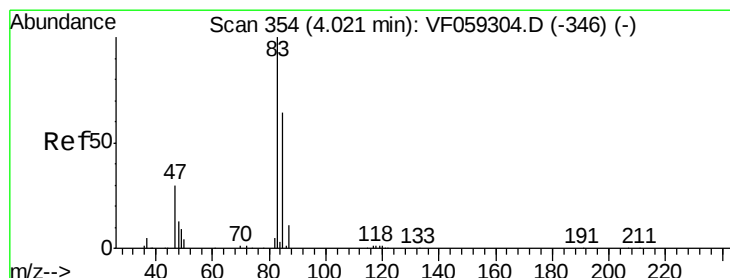
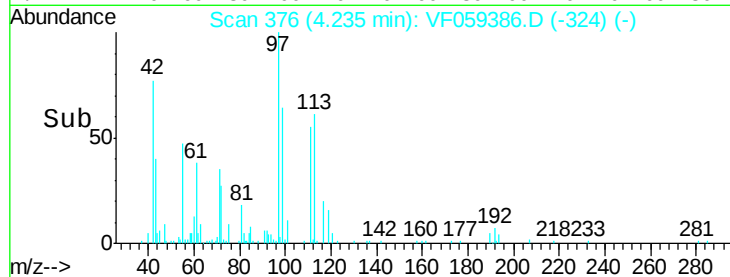
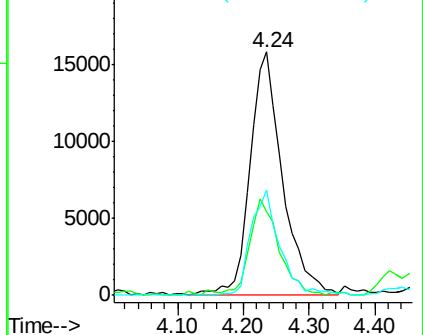
71 38.7 32.5 48.7



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 22.11 ug/l

RT: 4.01 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF059386.D

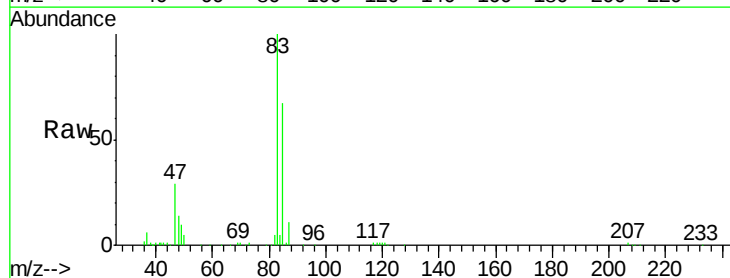
Acq: 2 Jul 2018 14:50

Tgt Ion: 83 Resp: 130508

Ion Ratio Lower Upper

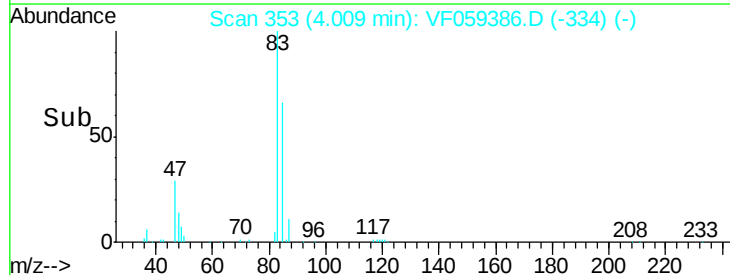
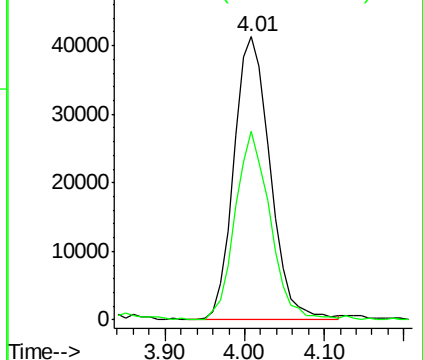
83 100

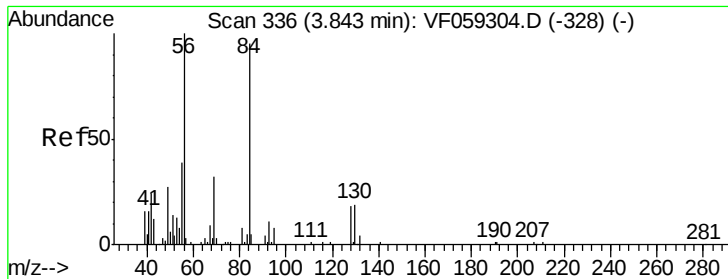
85 66.9 51.3 76.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 21.87 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

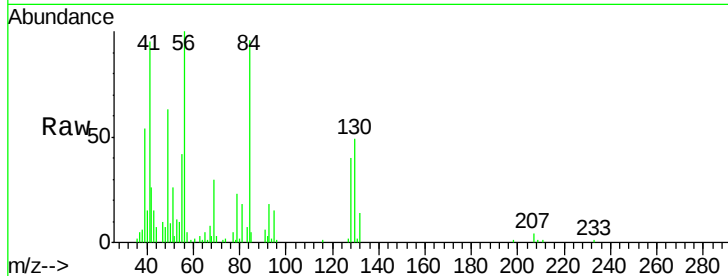
Tot Ion: 56 Resp: 58399

Ion Ratio Lower Upper

56 100

69 30.4 25.8 38.8

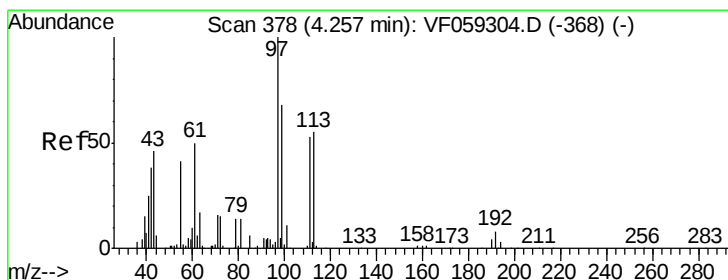
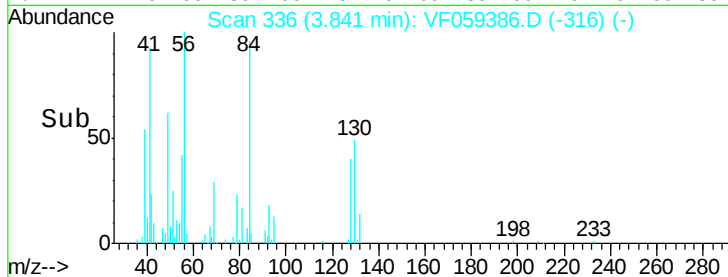
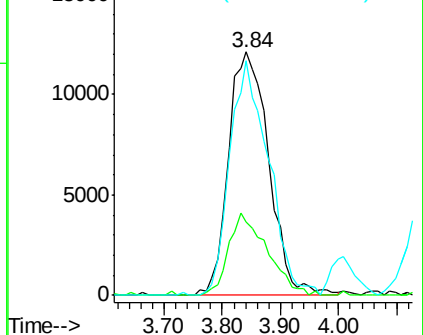
84 96.2 75.6 113.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 22.76 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

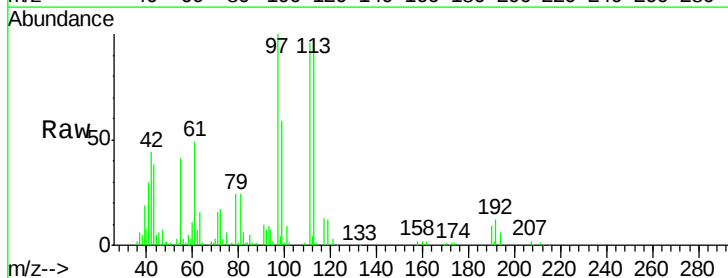
Tgt Ion: 97 Resp: 98294

Ion Ratio Lower Upper

97 100

99 59.1 54.1 81.1

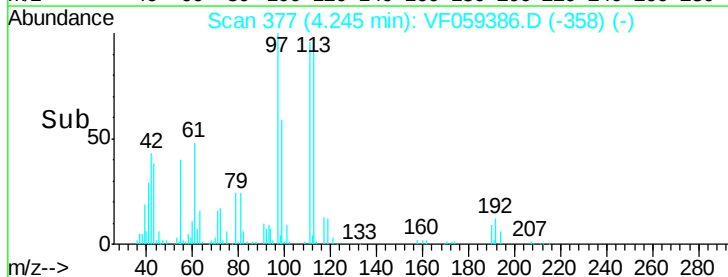
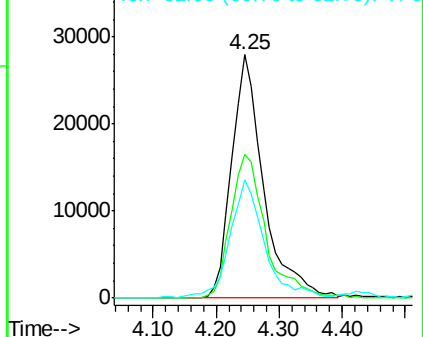
61 48.6 41.2 61.8

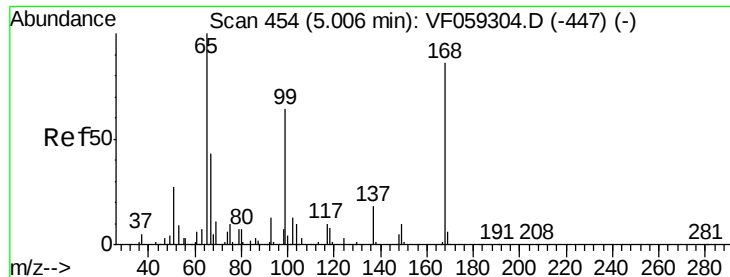


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

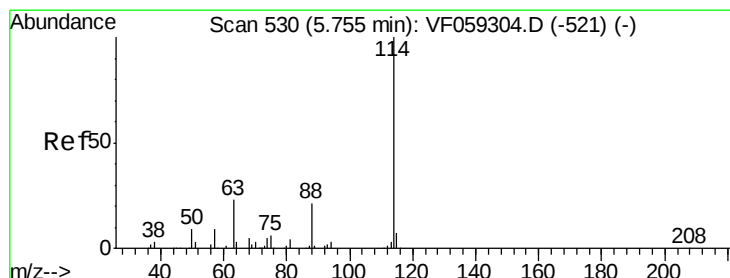
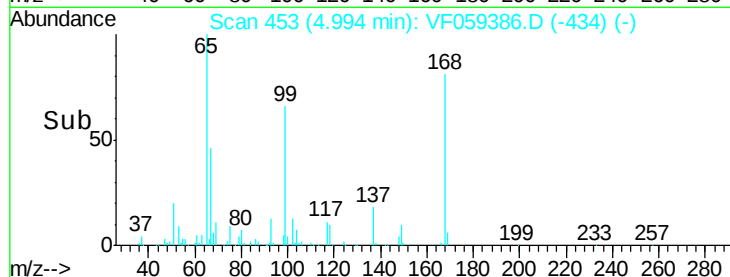
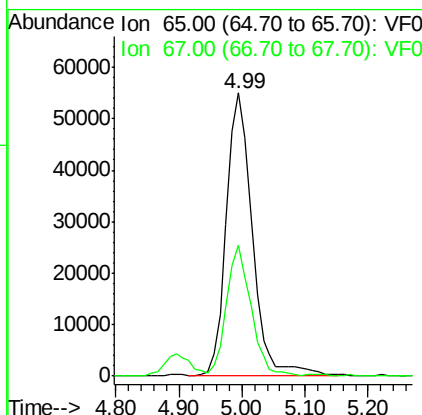
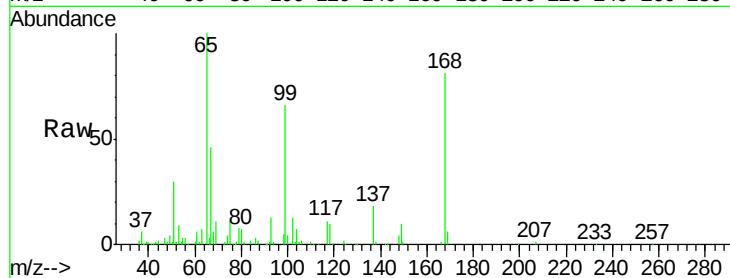




#33
 1,2-Dichloroethane-d4
 Concen: 45.46 ug/l
 RT: 4.99 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

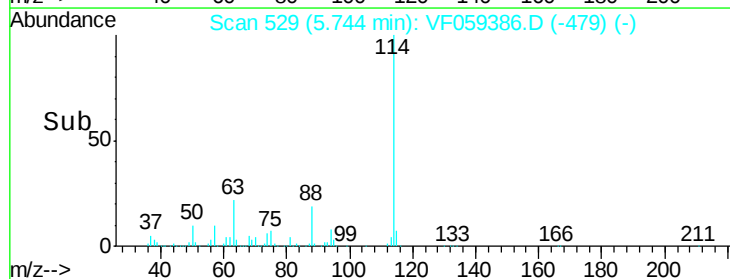
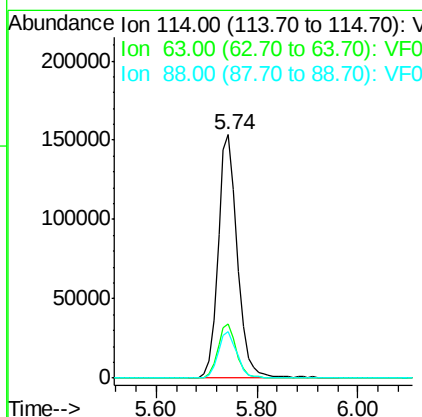
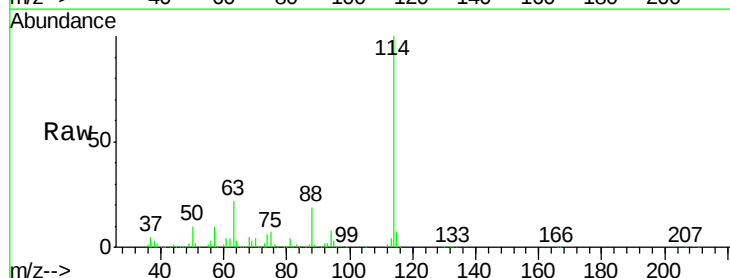
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBSD01

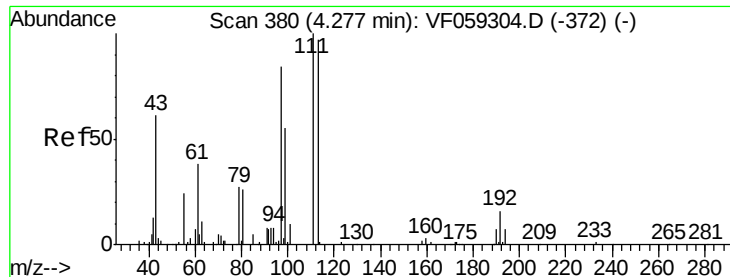
Tot Ion: 65 Resp: 157603
 Ion Ratio Lower Upper
 65 100
 67 46.3 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.74 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Tgt Ion: 114 Resp: 409883
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.8
 88 18.9 0.0 41.2

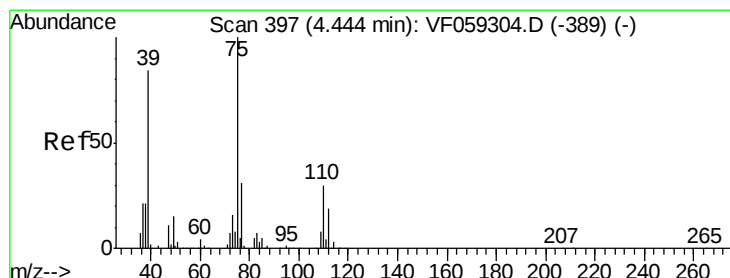
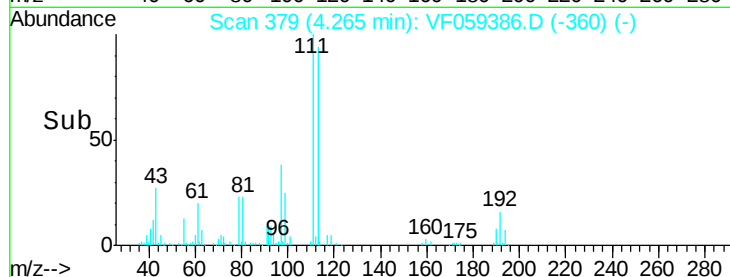
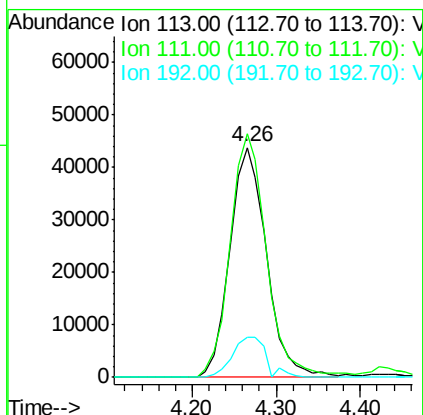
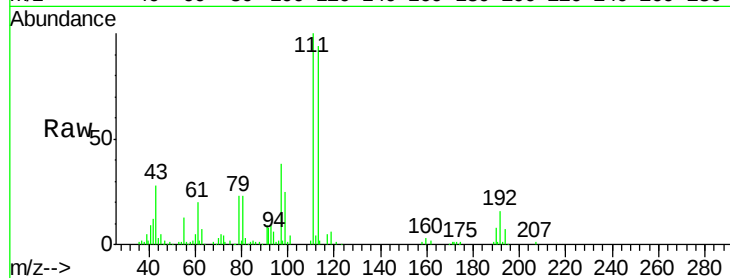




#35
 Dibromofluoromethane
 Concen: 44.39 ug/l
 RT: 4.26 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

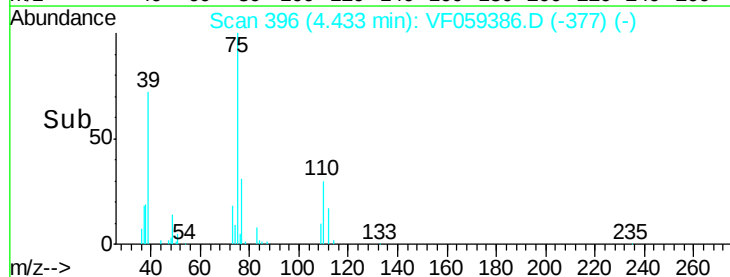
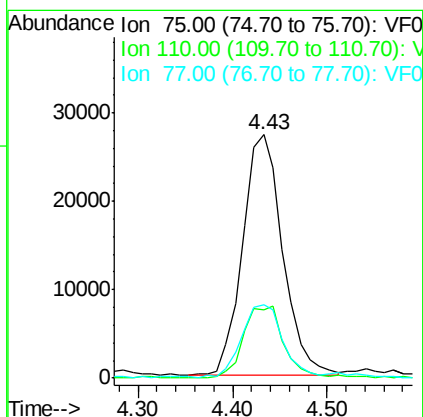
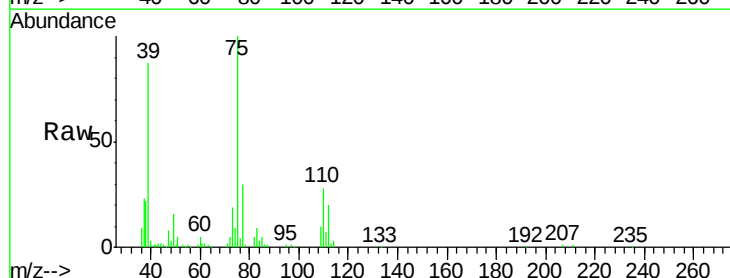
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBSD01

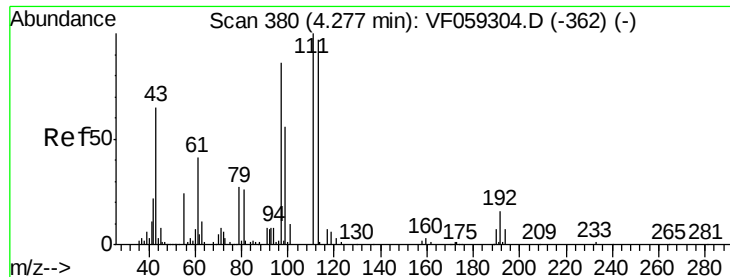
Tot Ion	Ratio	Lower	Upper
113	100		
111	106.0	82.1	123.1
192	17.2	13.0	19.6



#36
 1,1-Dichloropropene
 Concen: 22.39 ug/l
 RT: 4.43 min Scan# 396
 Delta R.T. -0.01 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.2	14.8	44.4
77	30.3	25.2	37.8





#37

Ethyl Acetate

Concen: 23.71 ug/l

RT: 4.26 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

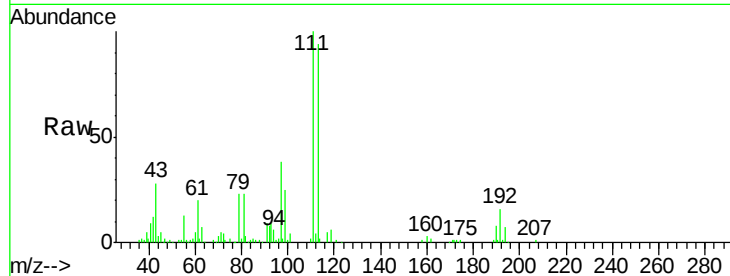
Tot Ion: 43 Resp: 56101

Ion Ratio Lower Upper

43 100

61 71.8 50.1 75.1

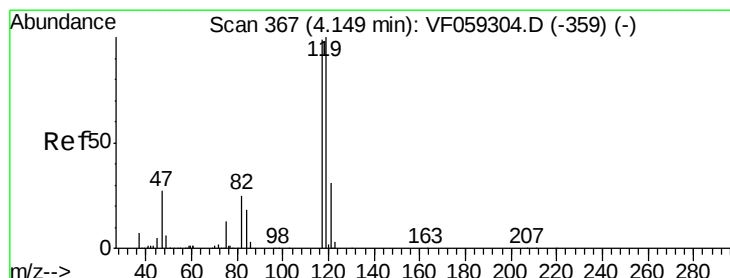
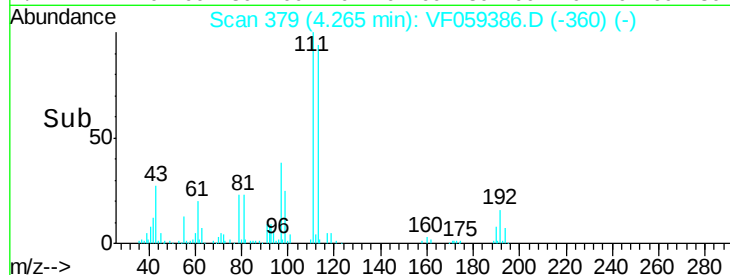
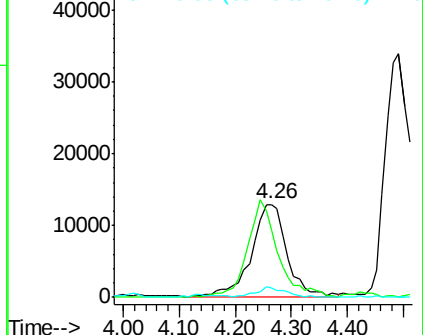
70 10.7 6.2 9.4#



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: 22.91 ug/l

RT: 4.15 min Scan# 367

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

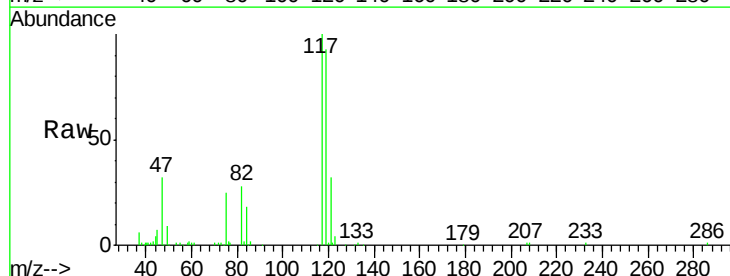
Tgt Ion: 117 Resp: 103515

Ion Ratio Lower Upper

117 100

119 93.1 81.0 121.4

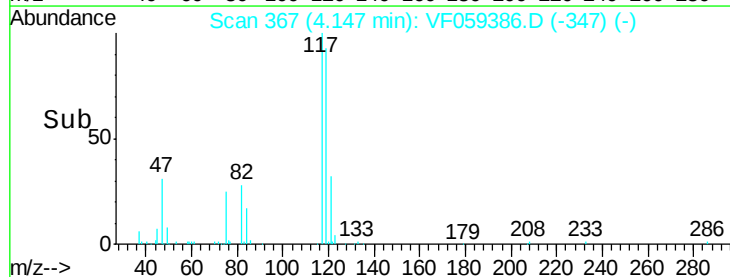
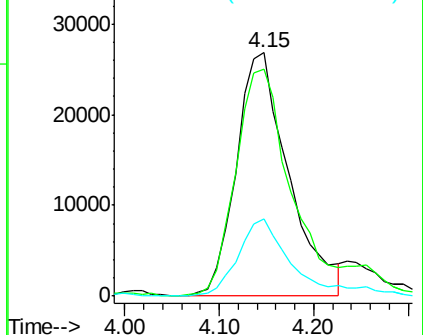
121 31.7 24.7 37.1

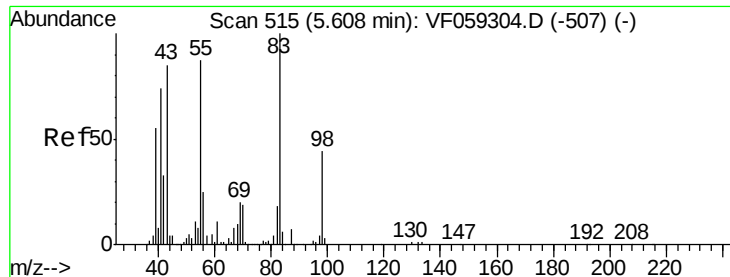


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

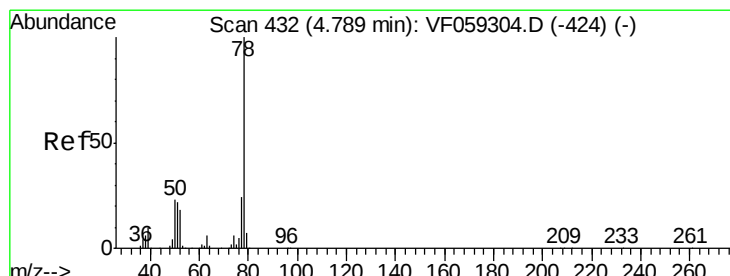
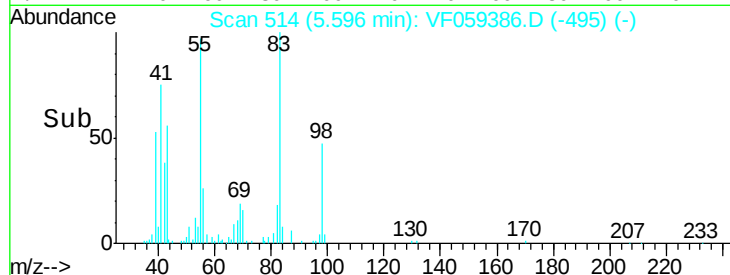
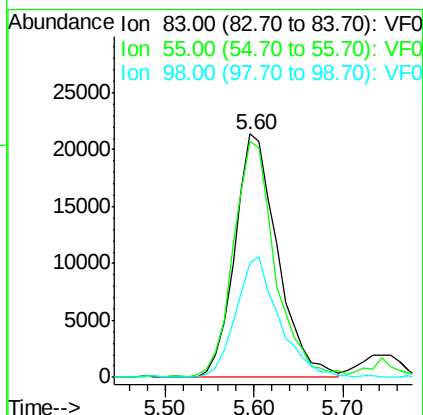
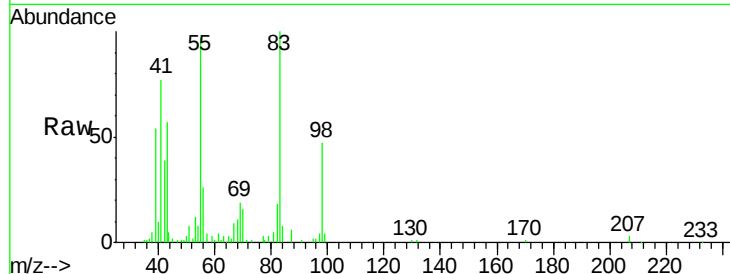




#39
Methvlcvclohexane
Concen: 22.42 ug/l
RT: 5.60 min Scan# 514
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

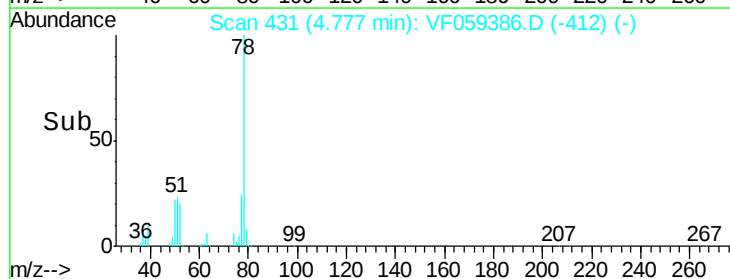
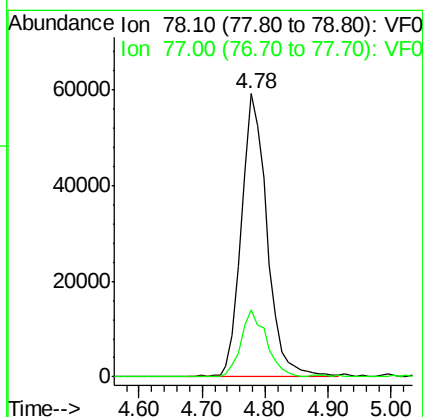
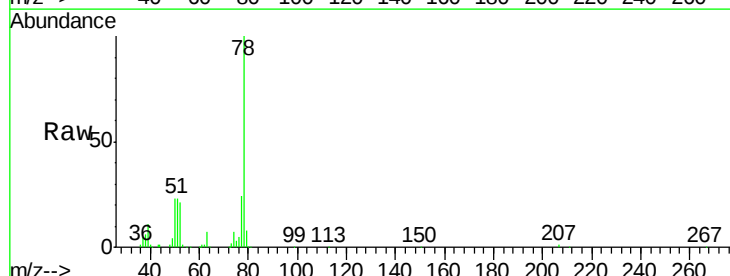
Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

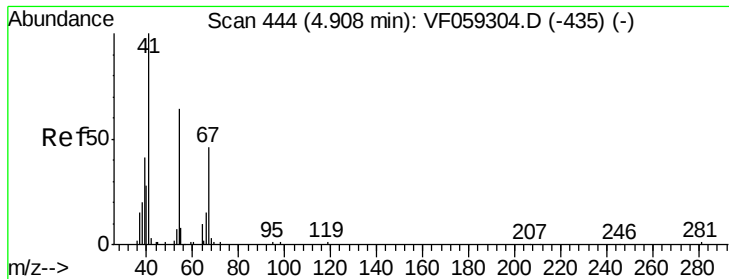
Tot Ion: 83 Resp: 71128
Ion Ratio Lower Upper
83 100
55 97.0 69.2 103.8
98 47.0 35.0 52.6



#40
Benzene
Concen: 21.08 ug/l
RT: 4.78 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion: 78 Resp: 167395
Ion Ratio Lower Upper
78 100
77 23.5 19.6 29.4





#41

Methacrylonitrile

Concen: 21.59 ug/l

RT: 4.90 min Scan# 443

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

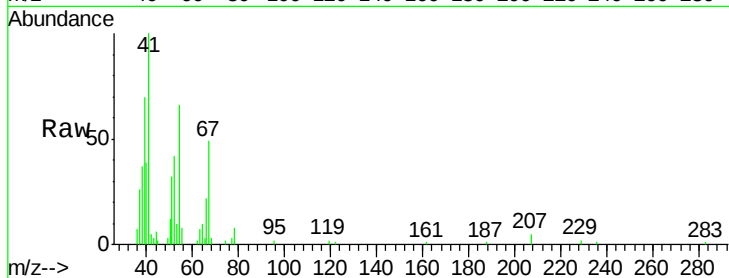
MSVOA_F

ClientSampleId :

VF0702SBSD01

Tot Ion: 41 Resp: 26371

Ion	Ratio	Lower	Upper
41	100		
39	70.1	50.0	75.0
67	48.7	37.0	55.6
52	42.2	37.1	55.7

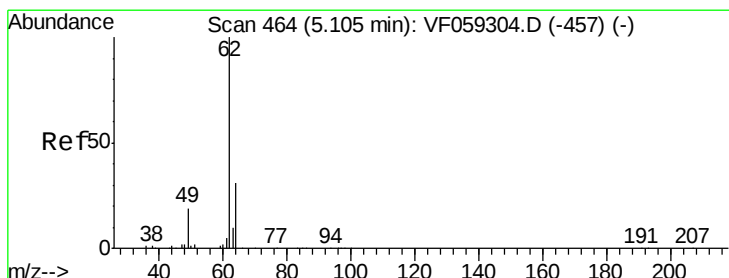
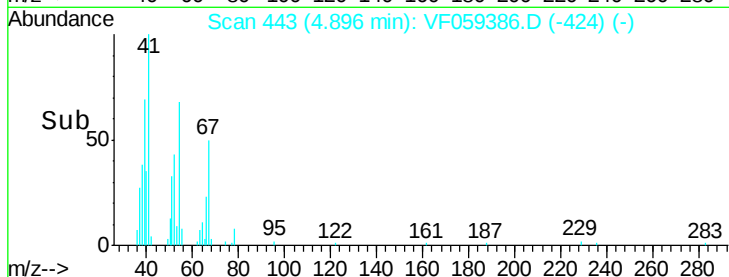


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 22.37 ug/l

RT: 5.09 min Scan# 463

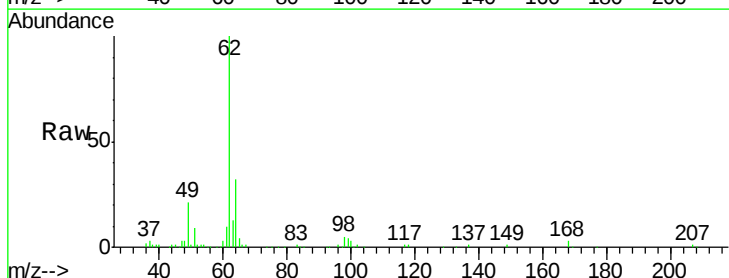
Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

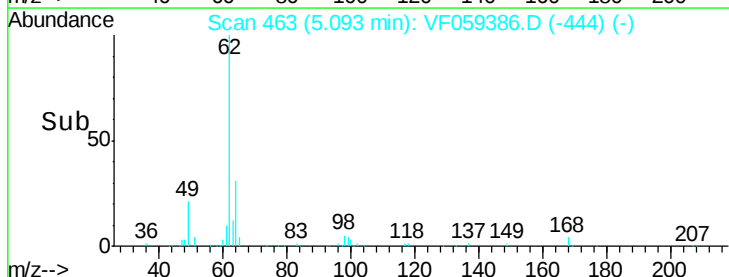
Tgt Ion: 62 Resp: 103797

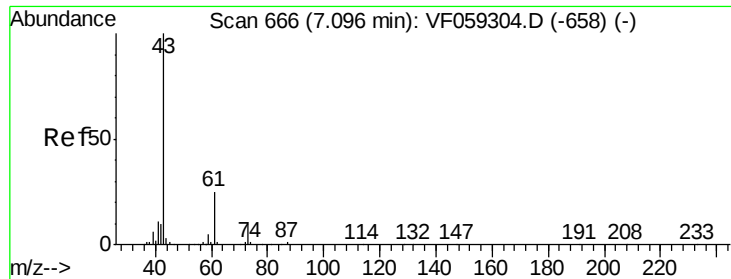
Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	11.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 21.15 ug/l

RT: 7.08 min Scan# 665

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

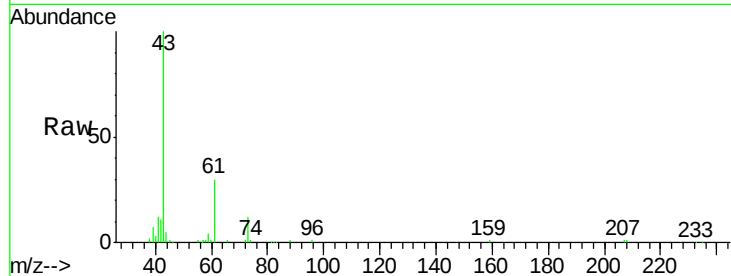
Tot Ion: 43 Resp: 63073

Ion Ratio Lower Upper

43 100

61 29.7 19.7 29.5#

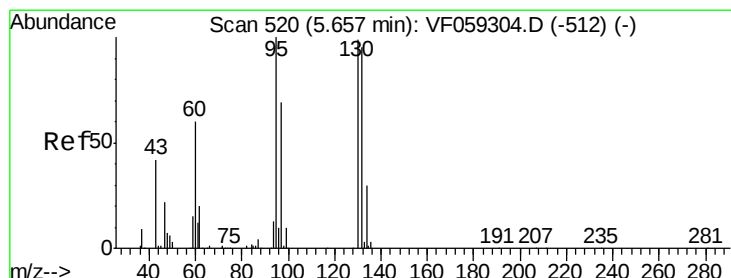
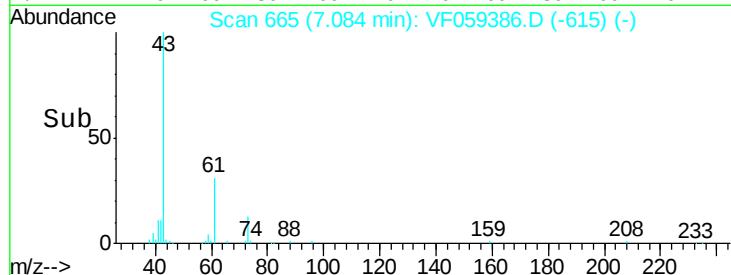
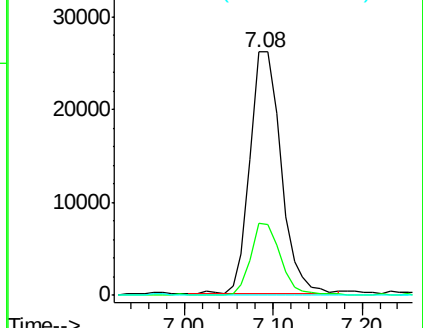
87 0.0 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 22.74 ug/l

RT: 5.64 min Scan# 519

Delta R.T. -0.01 min

Lab File: VF059386.D

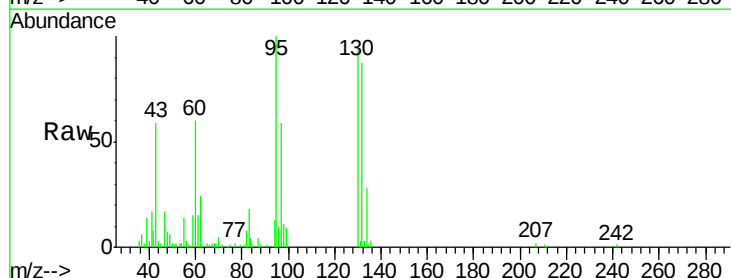
Acq: 2 Jul 2018 14:50

Tgt Ion: 130 Resp: 61925

Ion Ratio Lower Upper

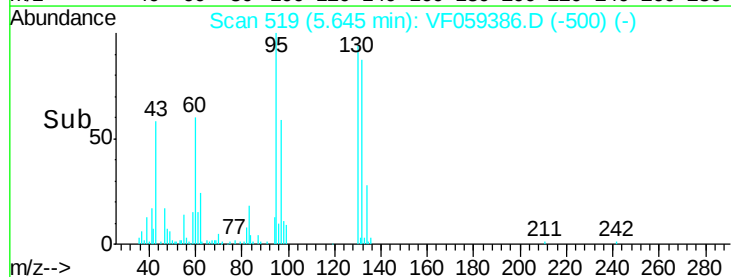
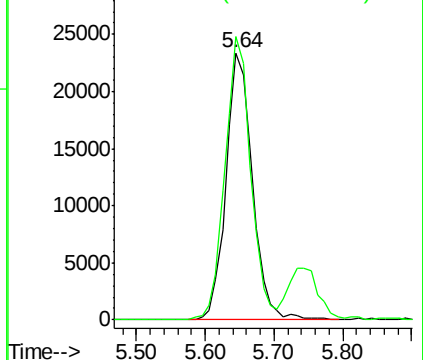
130 100

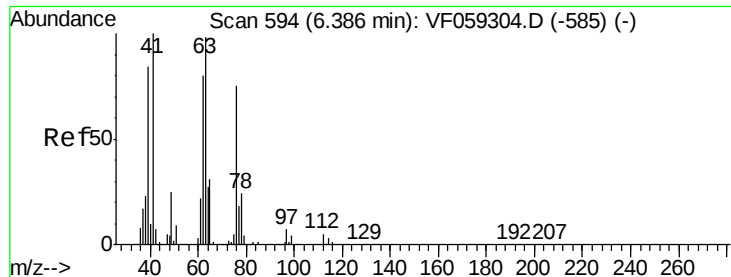
95 106.1 0.0 202.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.50 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

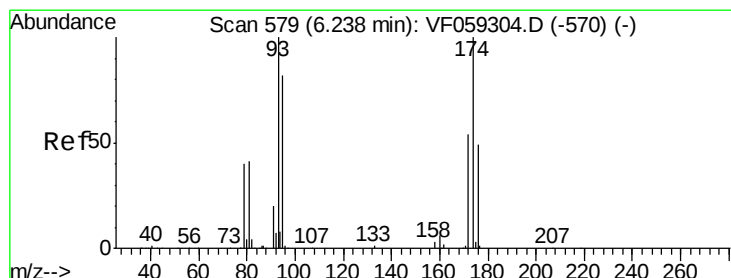
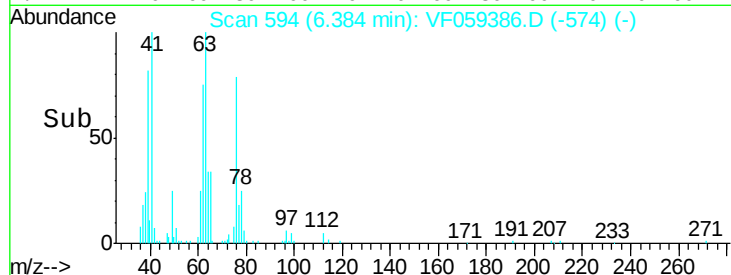
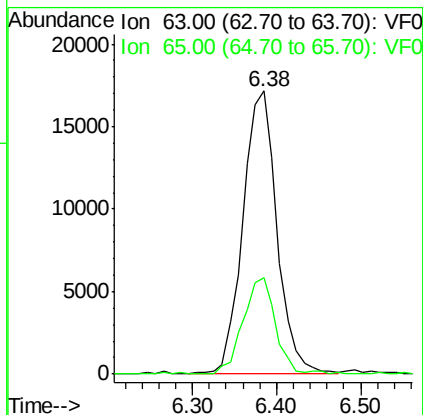
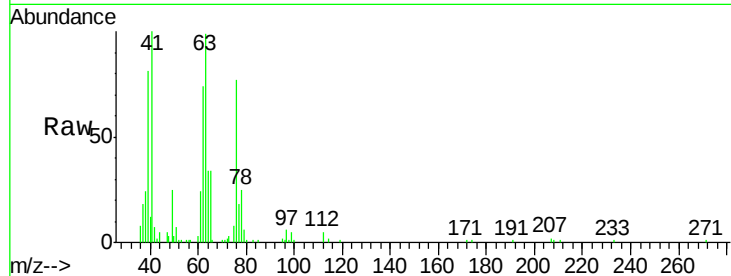
VF0702SBSD01

Tot Ion: 63 Resp: 48762

Ion Ratio Lower Upper

63 100

65 34.0 25.3 37.9



#46

Dibromomethane

Concen: 22.17 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

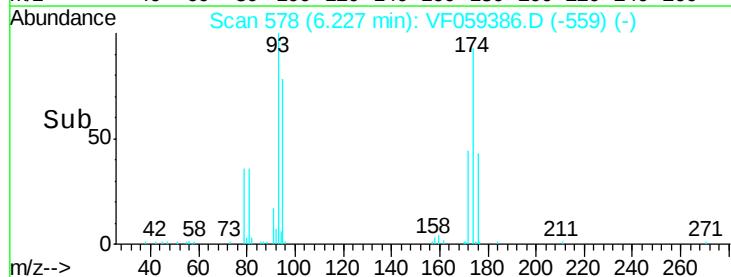
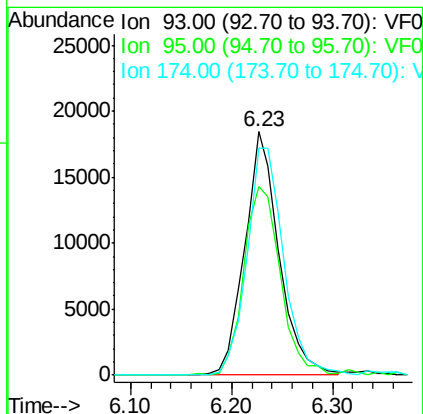
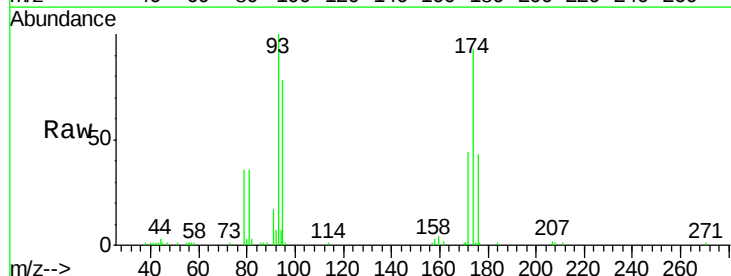
Tgt Ion: 93 Resp: 43641

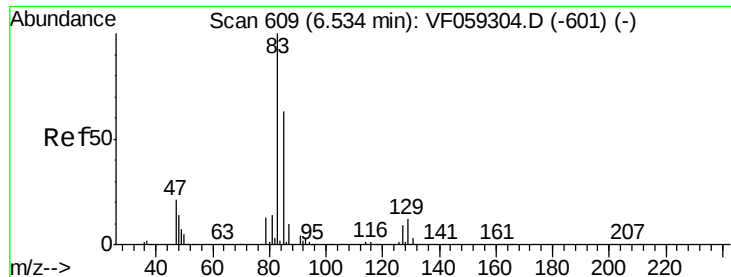
Ion Ratio Lower Upper

93 100

95 77.7 65.6 98.4

174 93.3 80.0 120.0





#47

Bromodichloromethane

Concen: 21.63 ug/l

RT: 6.52 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

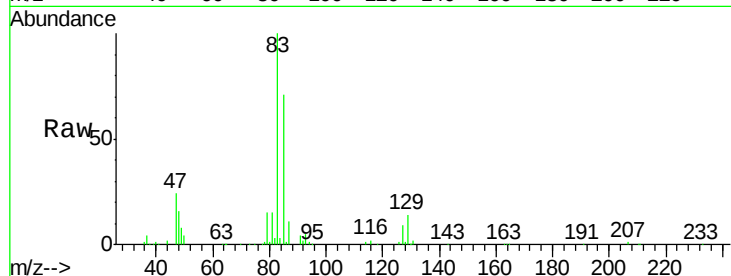
Tot Ion: 83 Resp: 103089

Ion Ratio Lower Upper

83 100

85 71.0 50.2 75.2

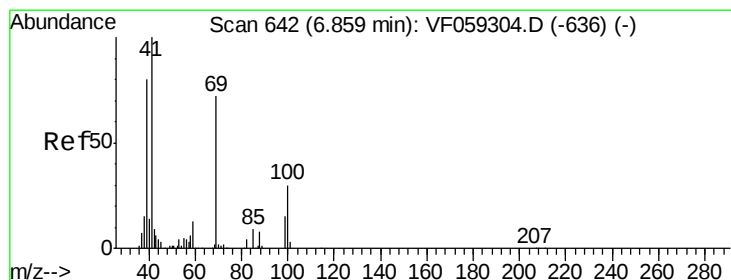
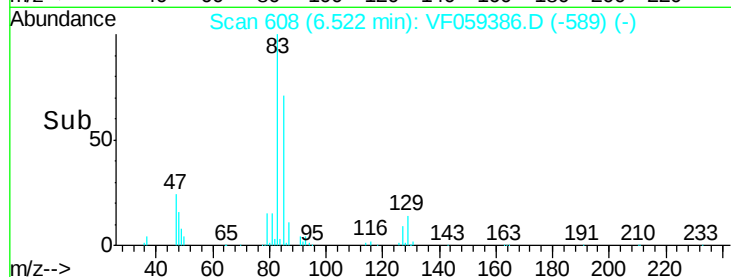
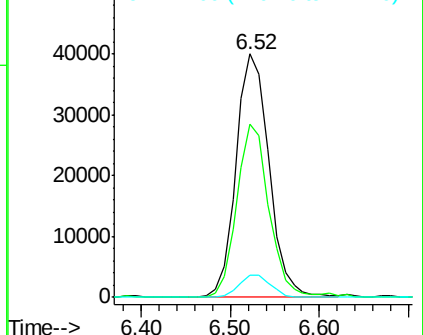
127 9.0 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 21.51 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

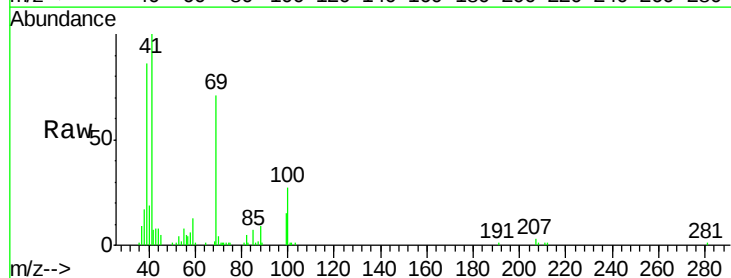
Tgt Ion: 41 Resp: 42998

Ion Ratio Lower Upper

41 100

69 71.4 57.3 85.9

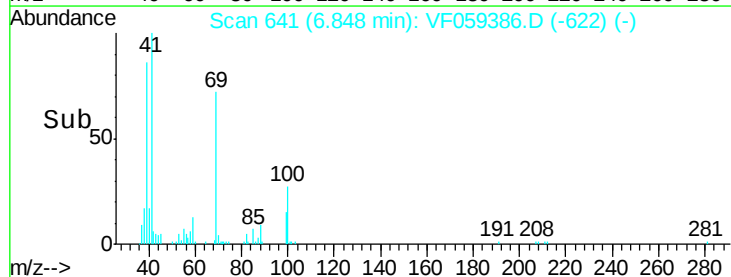
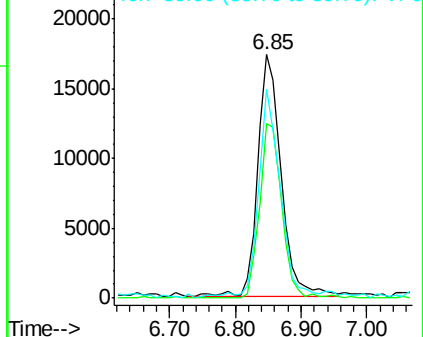
39 85.8 64.4 96.6

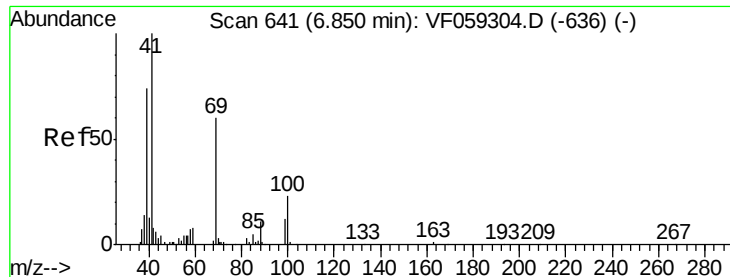


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

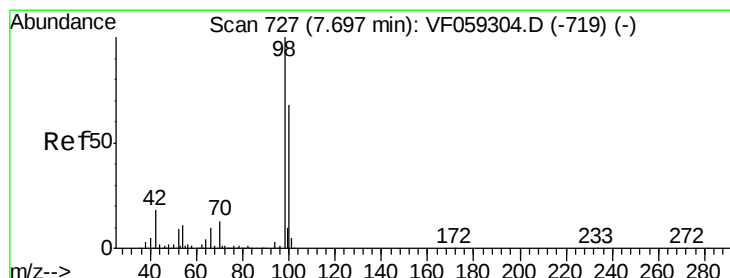
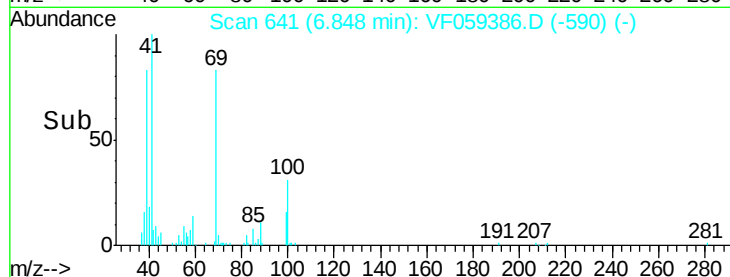
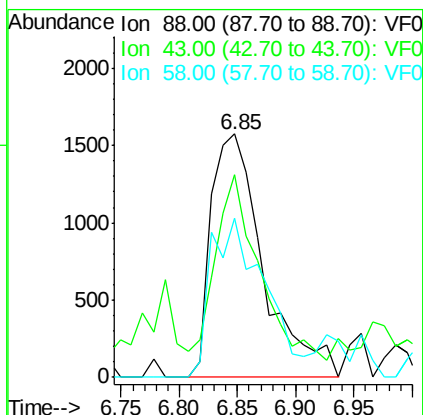
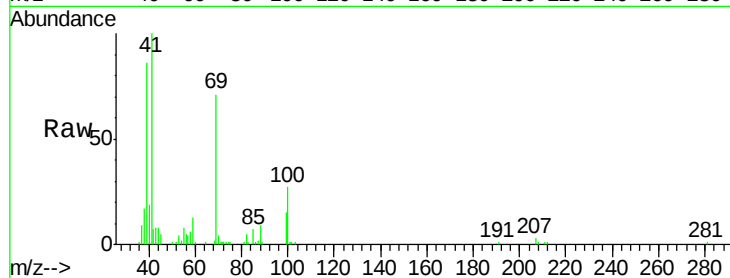




#49
1,4-Dioxane
Concen: 435.40 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

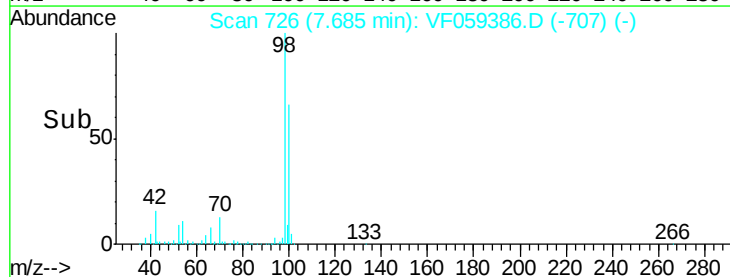
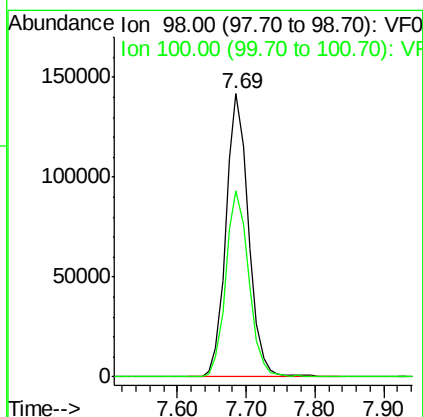
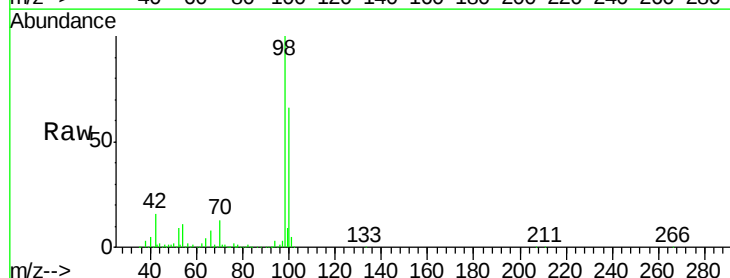
Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

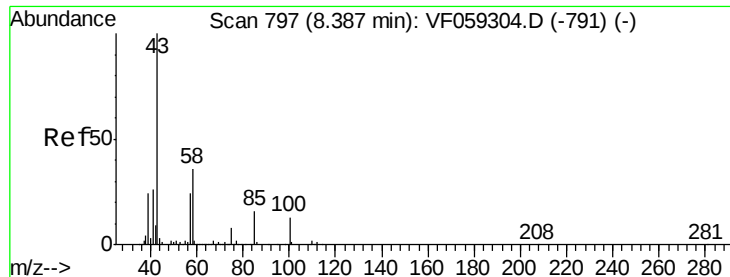
Tot Ion: 88 Resp: 4900
Ion Ratio Lower Upper
88 100
43 83.0 50.6 75.8#
58 65.1 46.6 69.8



#50
Toluene-d8
Concen: 43.31 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion: 98 Resp: 321153
Ion Ratio Lower Upper
98 100
100 65.8 54.6 82.0





#51

4-Methyl-2-Pentanone

Concen: 113.94 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

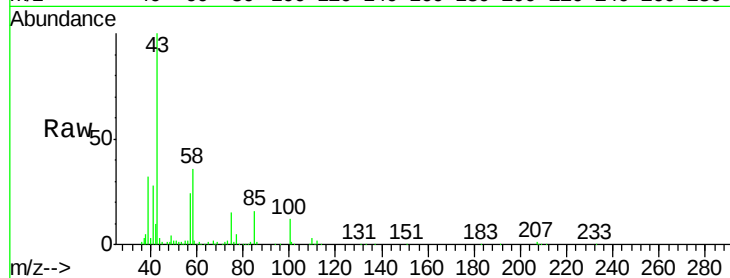
VF0702SBSD01

Tot Ion: 43 Resp: 251752

Ion Ratio Lower Upper

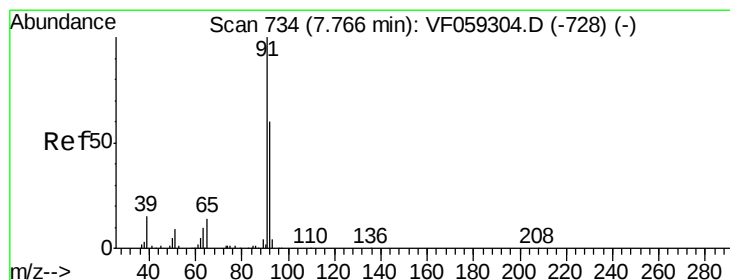
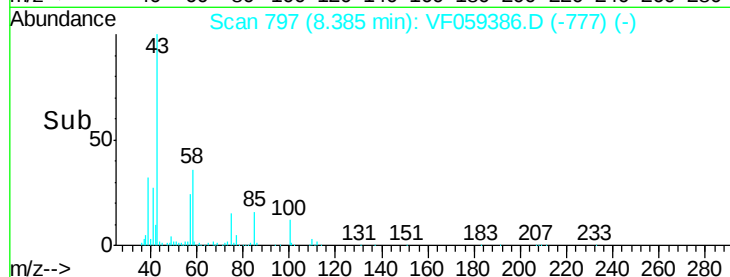
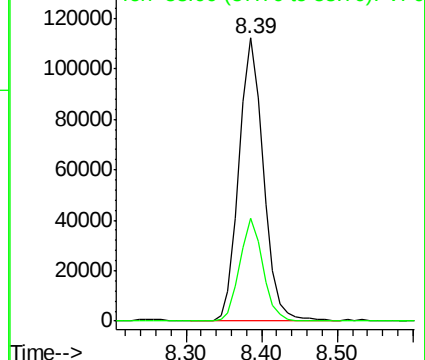
43 100

58 36.3 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.83 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059386.D

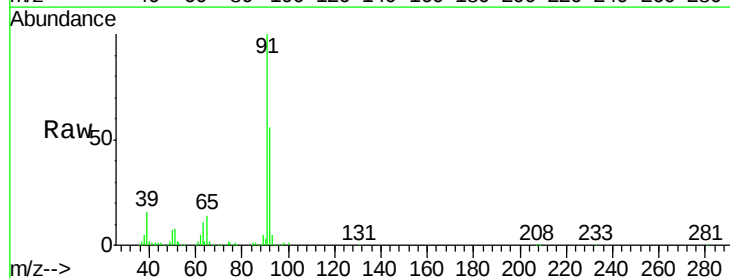
Acq: 2 Jul 2018 14:50

Tgt Ion: 92 Resp: 129680

Ion Ratio Lower Upper

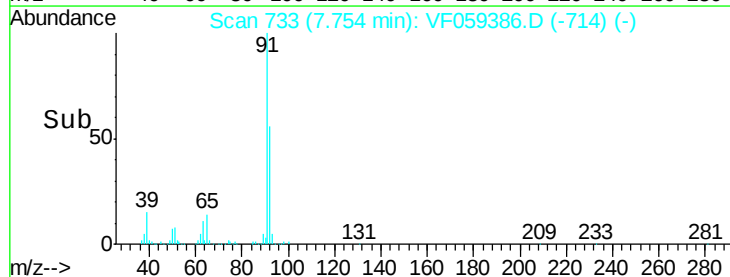
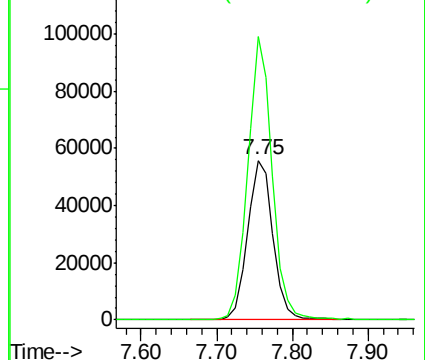
92 100

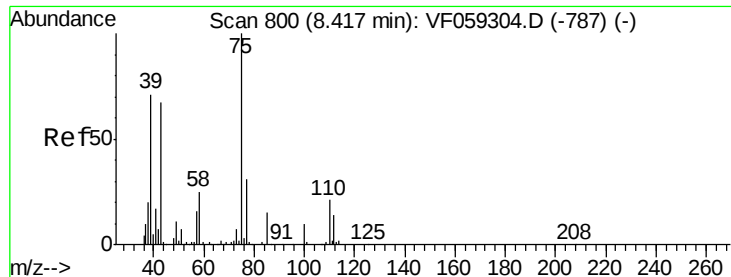
91 177.7 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 23.00 ug/l

RT: 8.40 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

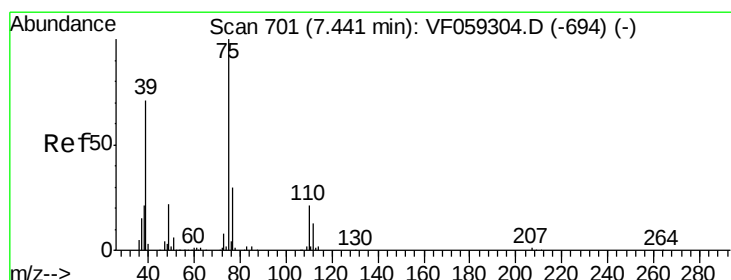
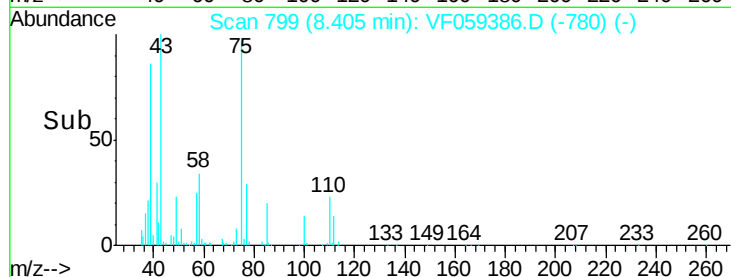
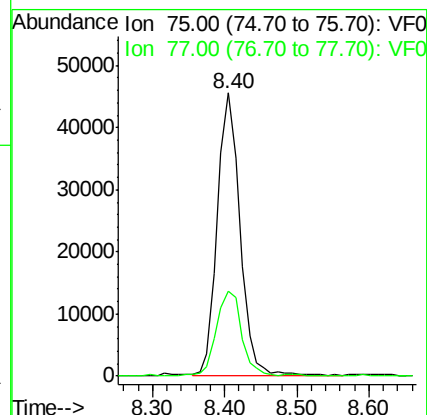
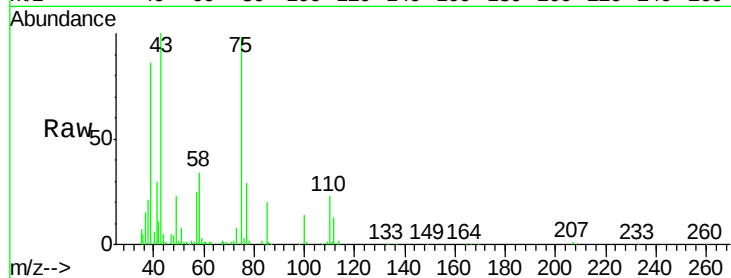
VF0702SBSD01

Tot Ion: 75 Resp: 99922

Ion Ratio Lower Upper

75 100

77 30.0 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 21.25 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

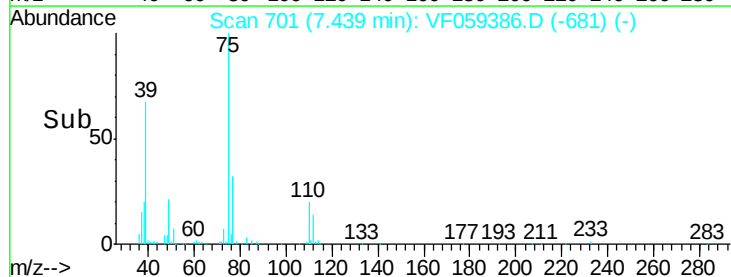
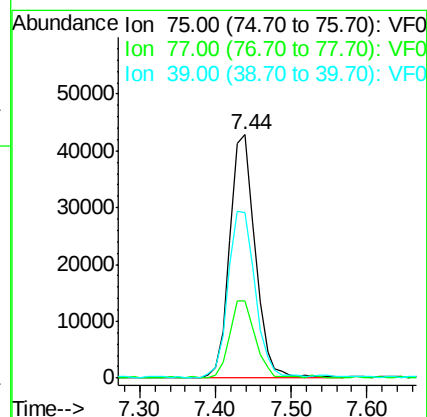
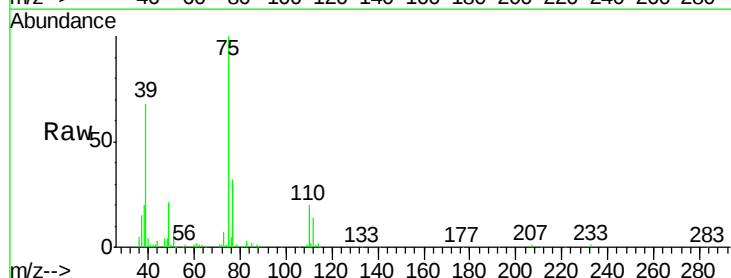
Tgt Ion: 75 Resp: 100272

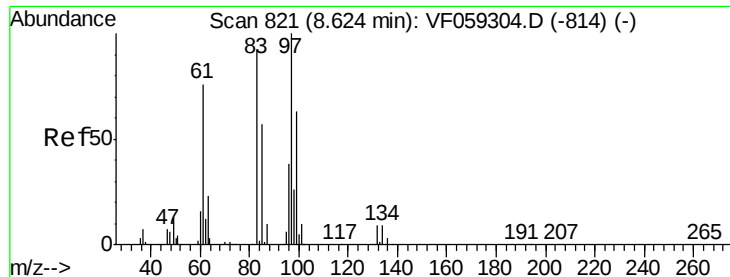
Ion Ratio Lower Upper

75 100

77 31.9 24.3 36.5

39 67.7 57.2 85.8



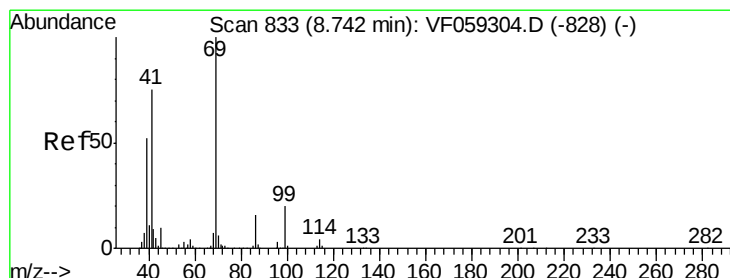
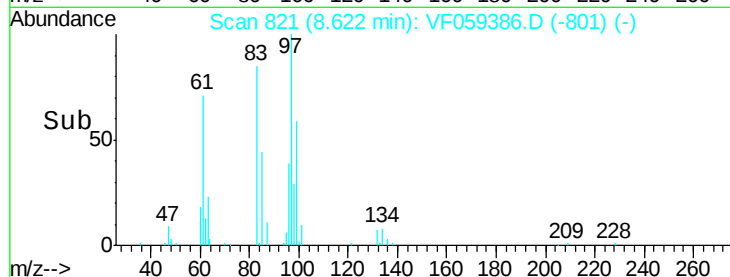
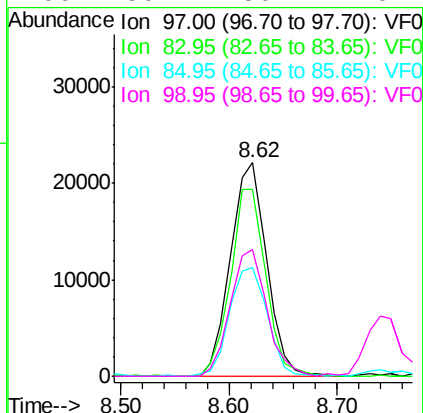
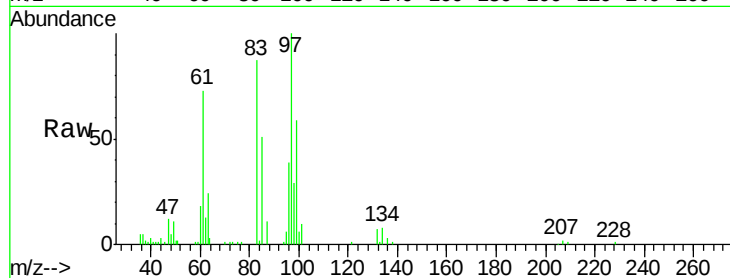


#55
 1,1,2-Trichloroethane
 Concen: 22.36 ug/l
 RT: 8.62 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBSD01

Tot Ion: 97 Resp: 51583

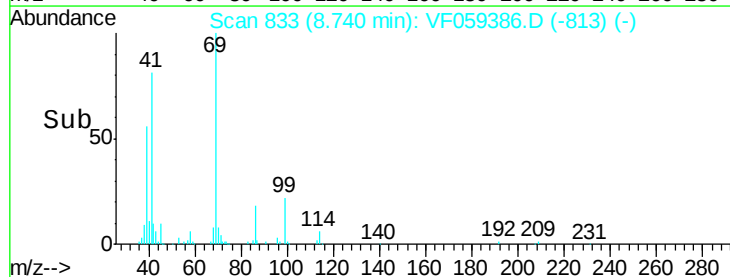
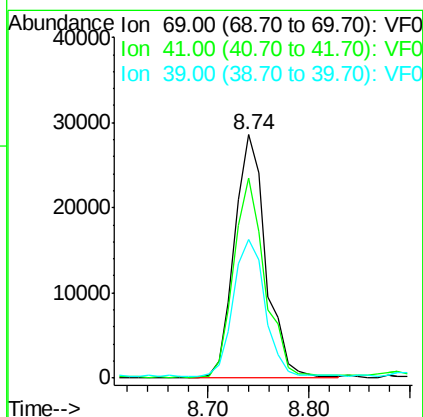
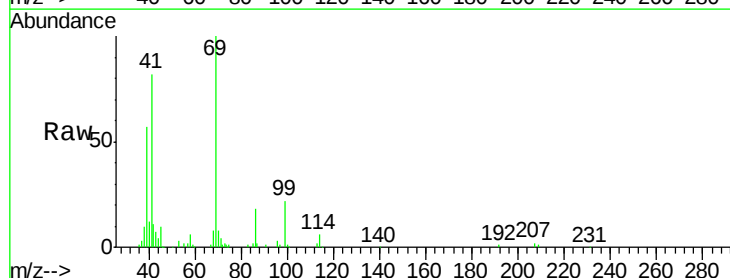
Ion	Ratio	Lower	Upper
97	100		
83	87.4	73.8	110.8
85	51.0	45.5	68.3
99	59.2	50.7	76.1

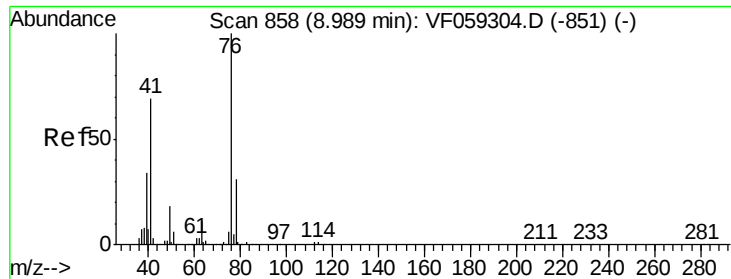


#56
 Ethyl methacrylate
 Concen: 21.77 ug/l
 RT: 8.74 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Tgt Ion: 69 Resp: 62216

Ion	Ratio	Lower	Upper
69	100		
41	82.0	60.3	90.5
39	57.1	42.2	63.4





#57

1,3-Dichloropropane

Concen: 21.85 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

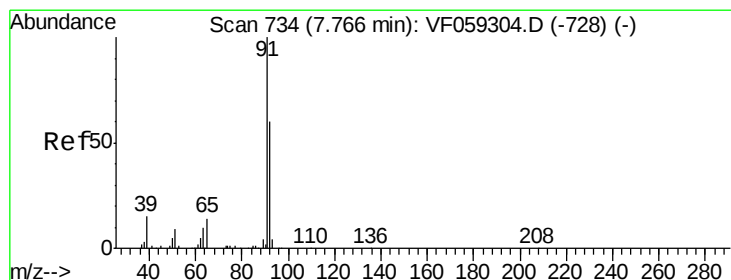
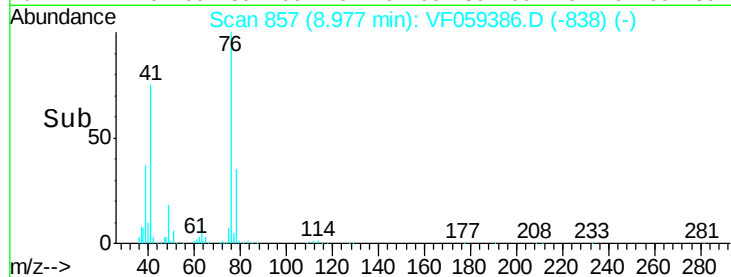
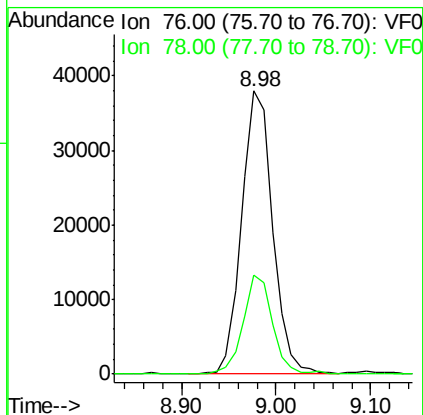
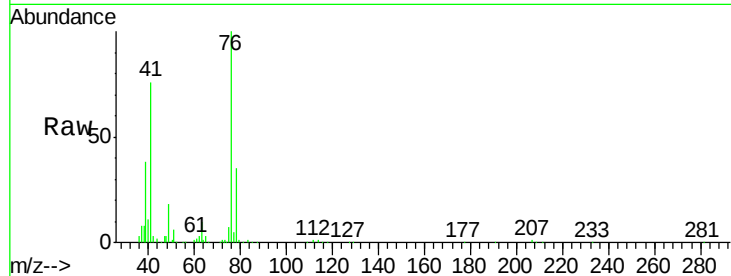
VF0702SBSD01

Tot Ion: 76 Resp: 86418

Ion Ratio Lower Upper

76 100

78 34.8 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 116.43 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059386.D

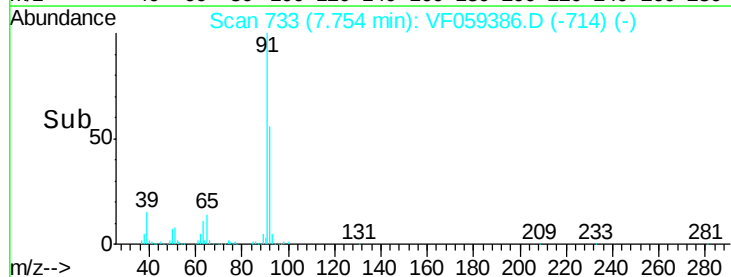
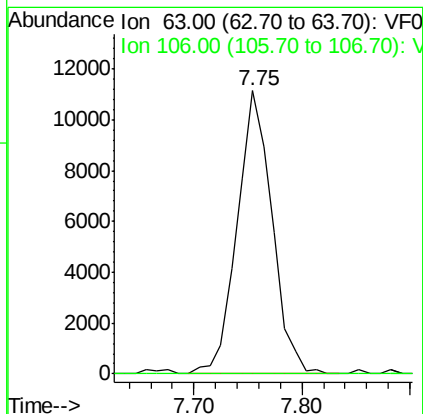
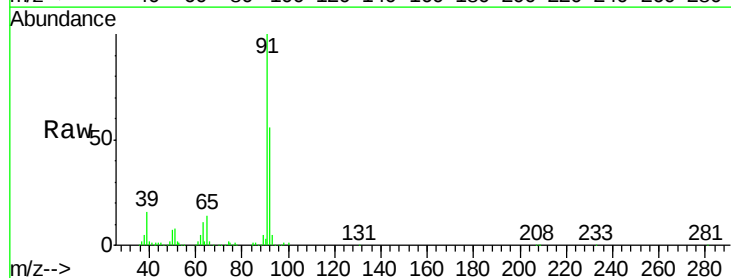
Acq: 2 Jul 2018 14:50

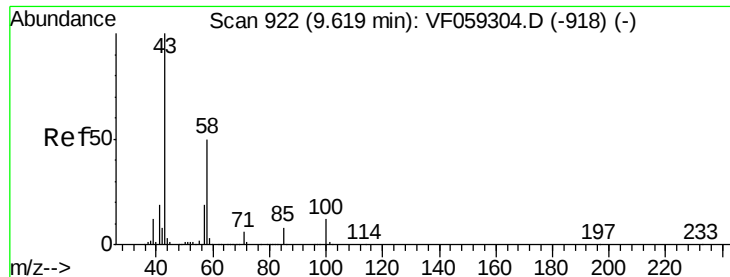
Tgt Ion: 63 Resp: 24950

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

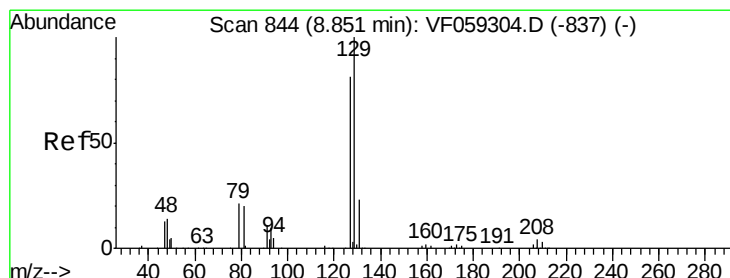
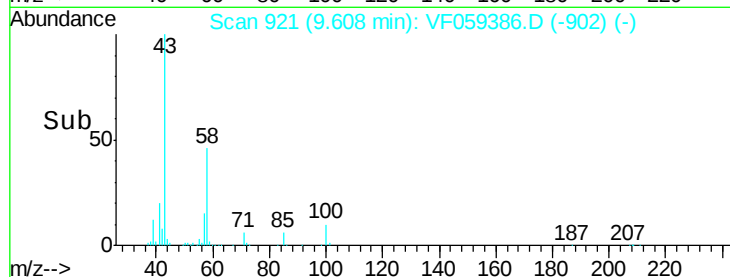
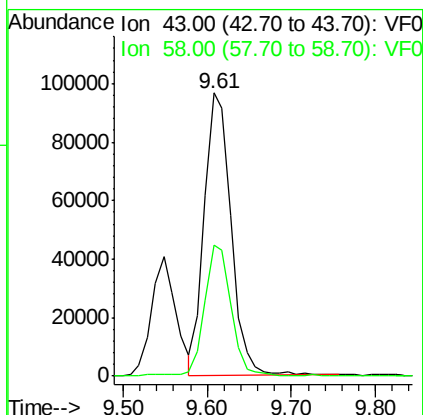
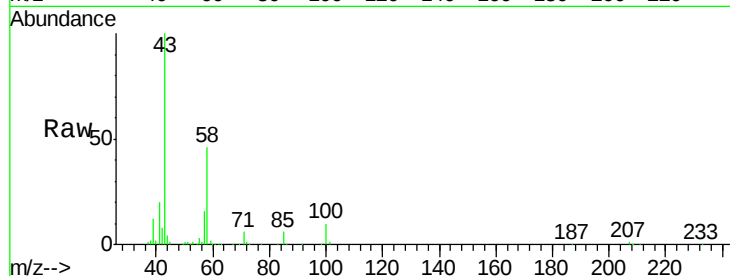




#59
2-Hexanone
Concen: 119.23 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

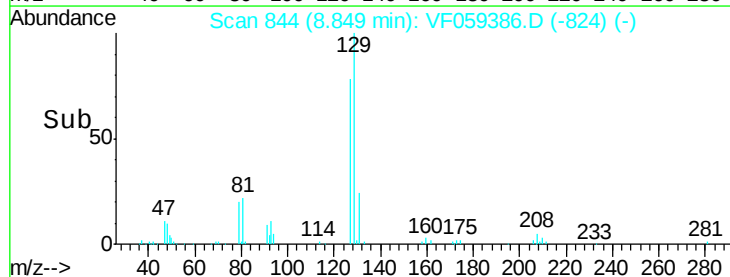
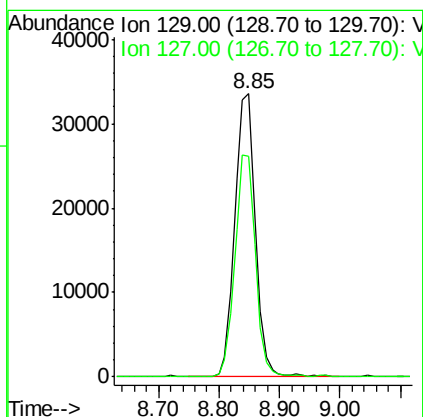
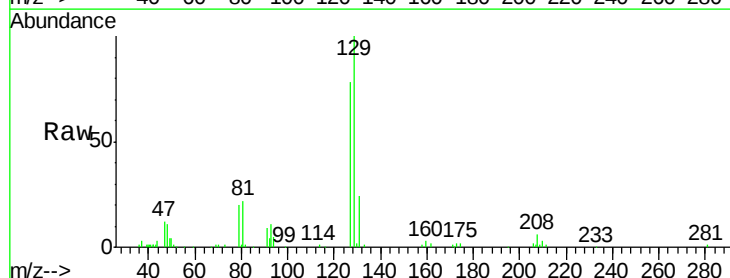
Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

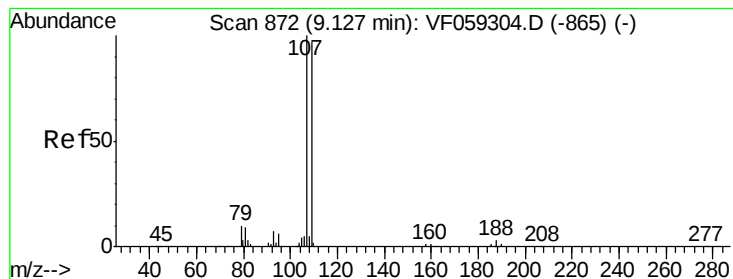
Tot Ion: 43 Resp: 212585
Ion Ratio Lower Upper
43 100
58 46.5 23.3 69.9



#60
Dibromochloromethane
Concen: 22.36 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion: 129 Resp: 79631
Ion Ratio Lower Upper
129 100
127 78.1 40.7 122.1





#61

1,2-Dibromoethane

Concen: 21.64 ug/l

RT: 9.11 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

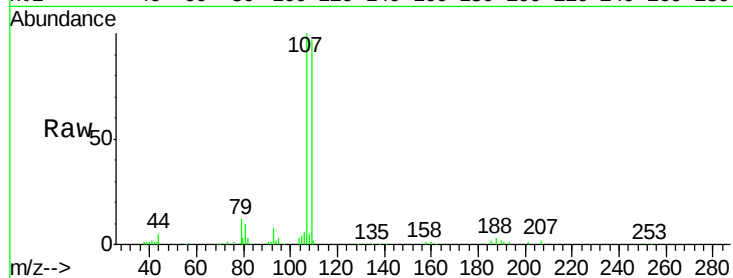
VF0702SBSD01

Tot Ion:107 Resp: 60527

Ion Ratio Lower Upper

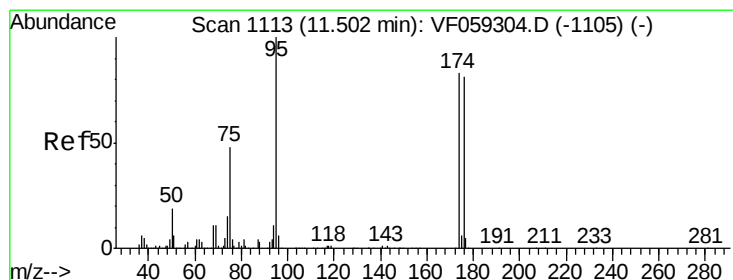
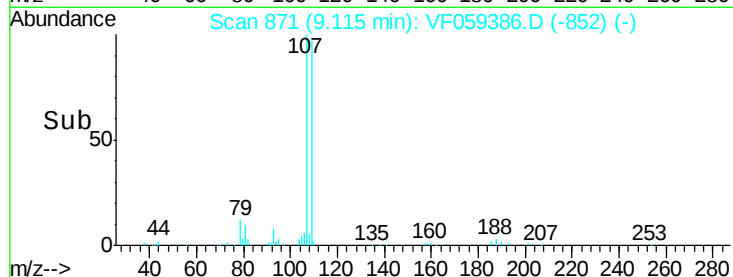
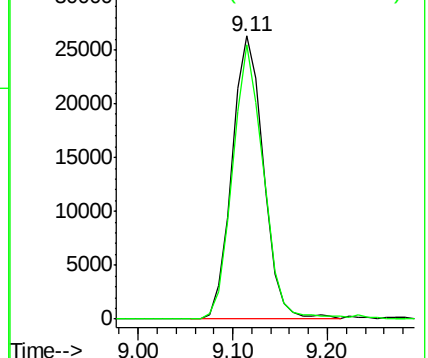
107 100

109 96.7 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 44.30 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

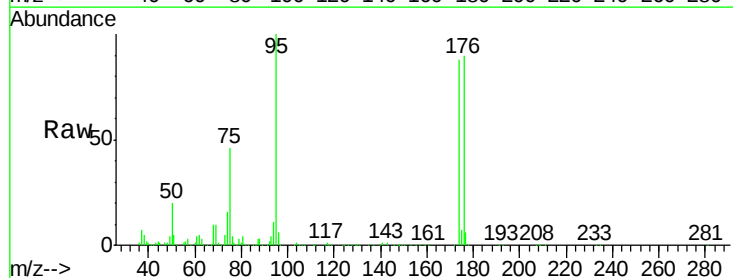
Tgt Ion: 95 Resp: 185284

Ion Ratio Lower Upper

95 100

174 88.4 0.0 165.2

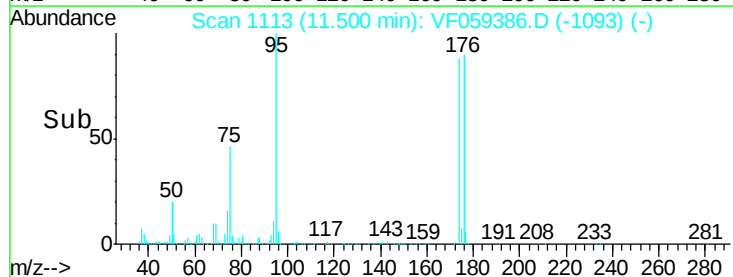
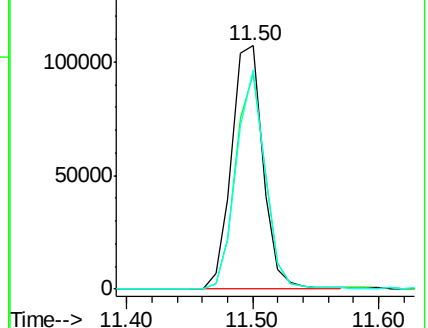
176 90.3 0.0 161.0

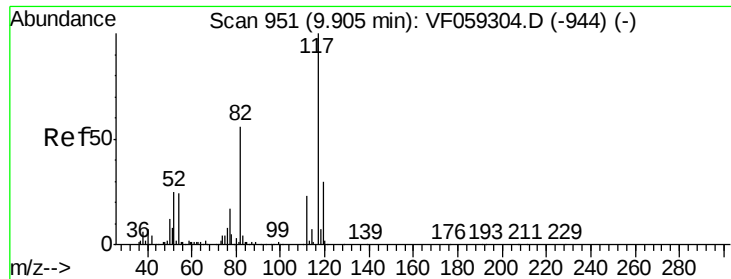


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

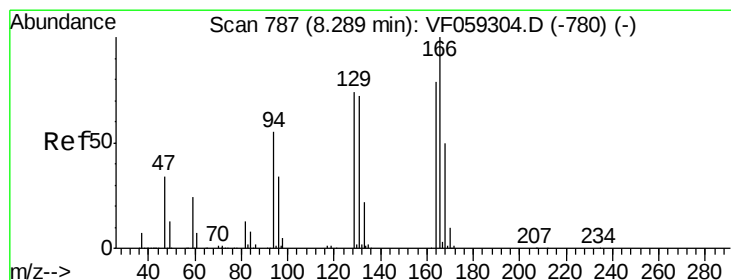
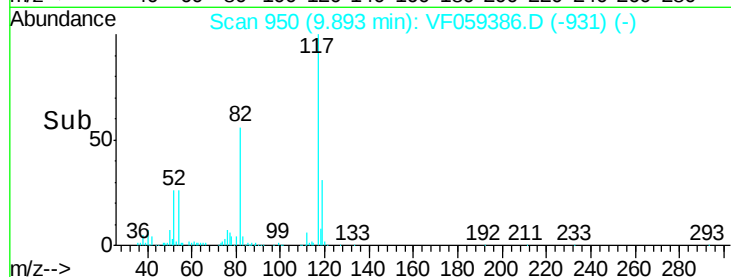
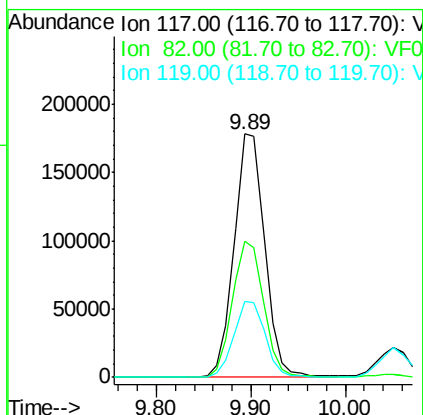
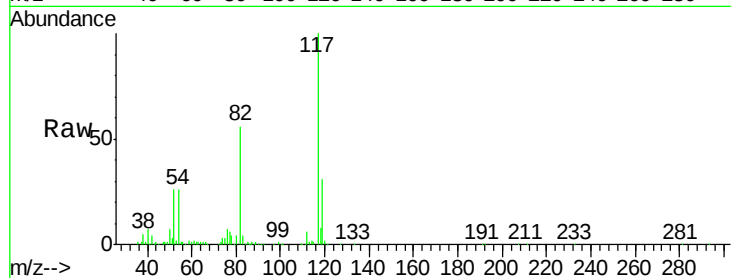




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

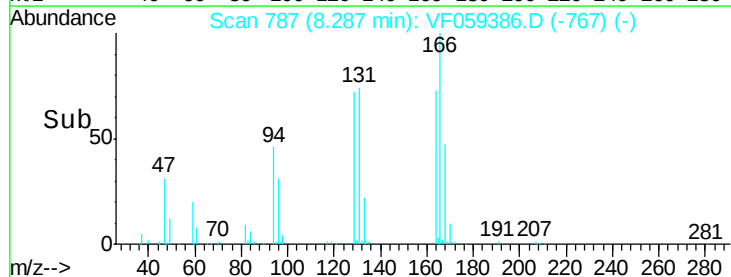
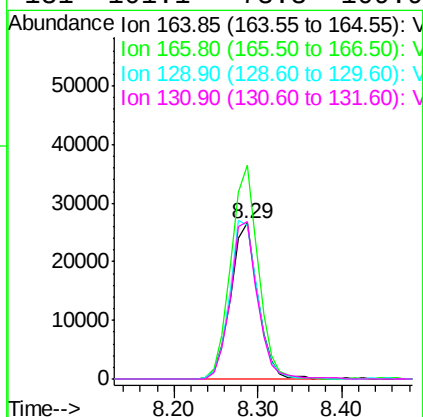
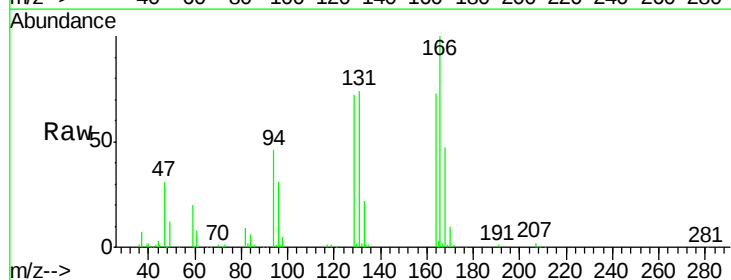
Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

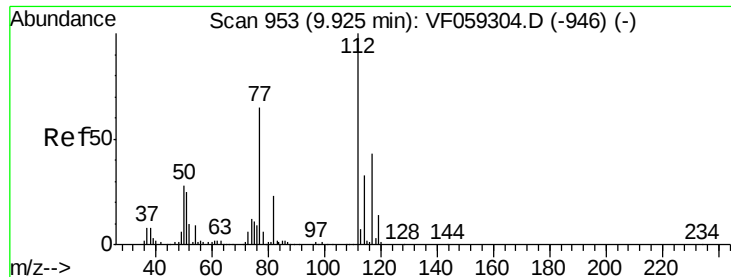
Tot Ion:117 Resp: 400308
Ion Ratio Lower Upper
117 100
82 55.9 44.6 66.8
119 31.4 24.1 36.1



#64
Tetrachloroethene
Concen: 23.10 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion:164 Resp: 59984
Ion Ratio Lower Upper
164 100
166 136.8 101.1 151.7
129 98.6 75.0 112.4
131 101.1 73.3 109.9

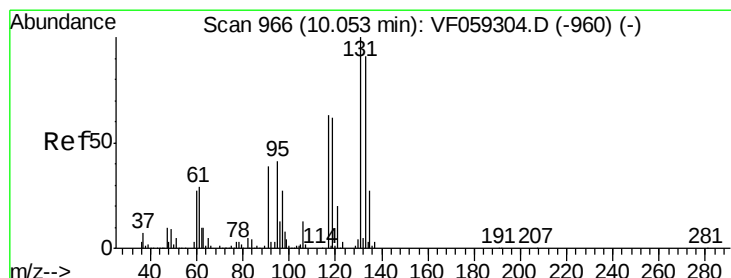
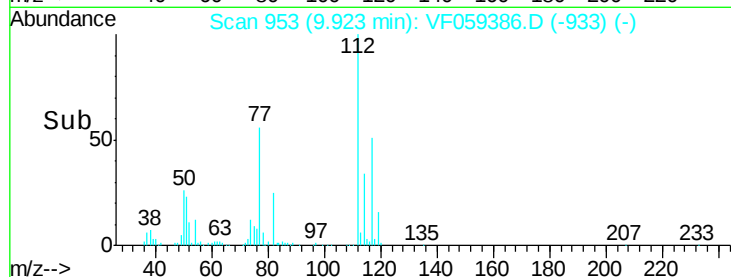
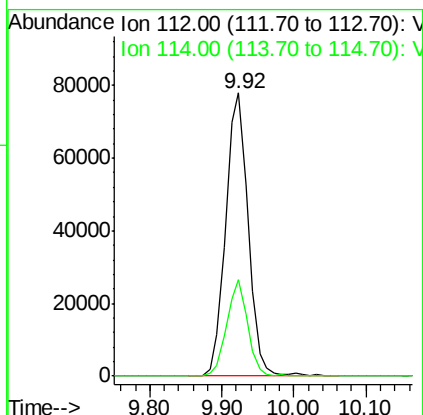
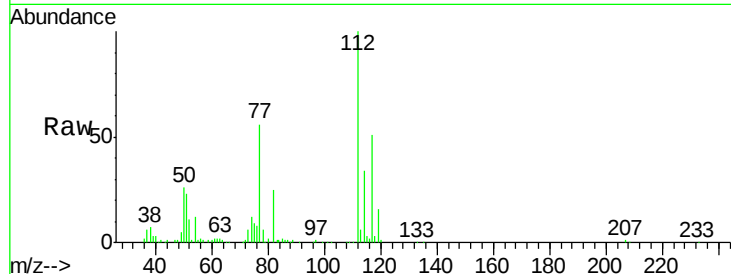




#65
Chlorobenzene
Concen: 22.80 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

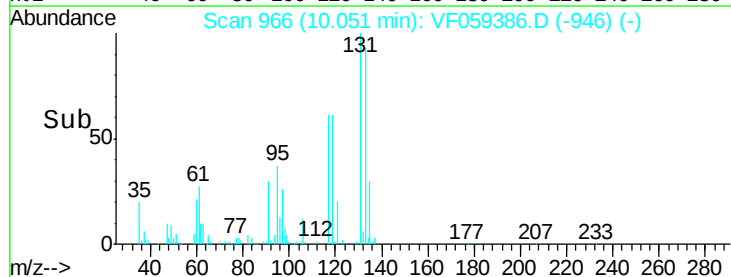
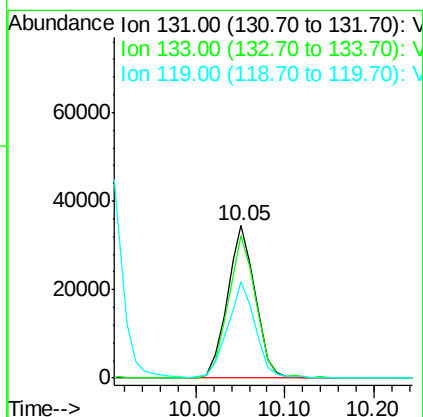
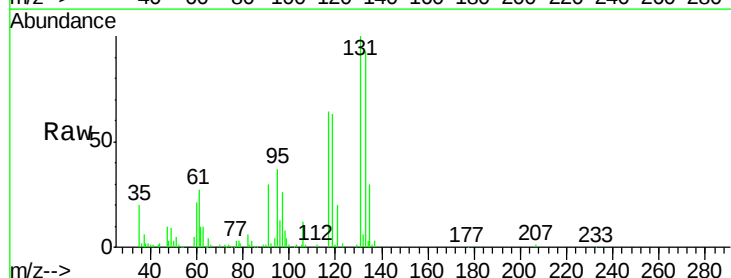
Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

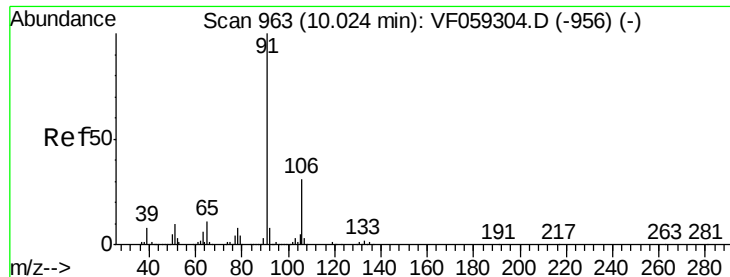
Tot Ion:112 Resp: 169141
Ion Ratio Lower Upper
112 100
114 34.1 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 23.68 ug/l
RT: 10.05 min Scan# 966
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion:131 Resp: 75967
Ion Ratio Lower Upper
131 100
133 93.2 45.3 135.9
119 63.0 31.3 93.9





#67

Ethyl Benzene

Concen: 23.27 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

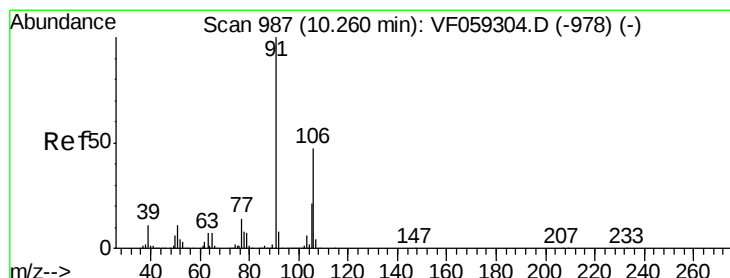
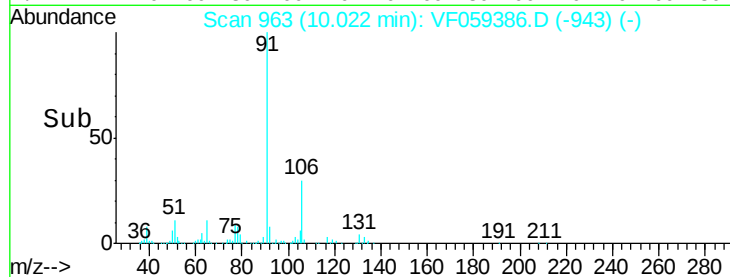
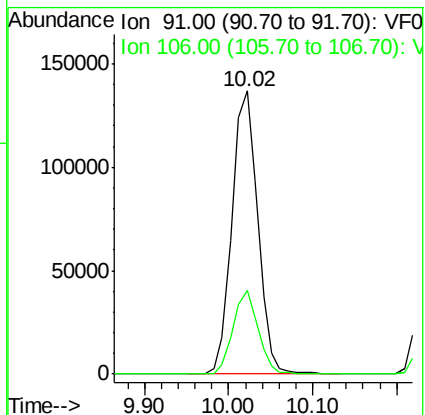
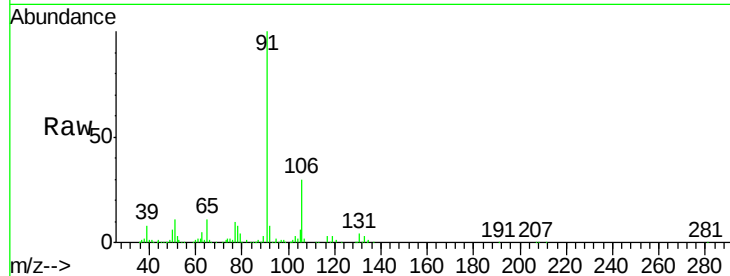
VF0702SBSD01

Tot Ion: 91 Resp: 292832

Ion Ratio Lower Upper

91 100

106 29.8 24.8 37.2



#68

m/p-Xylenes

Concen: 47.84 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059386.D

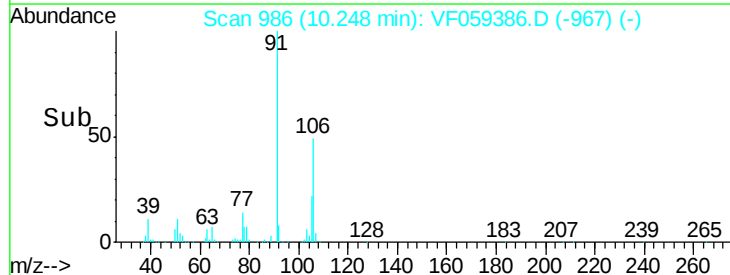
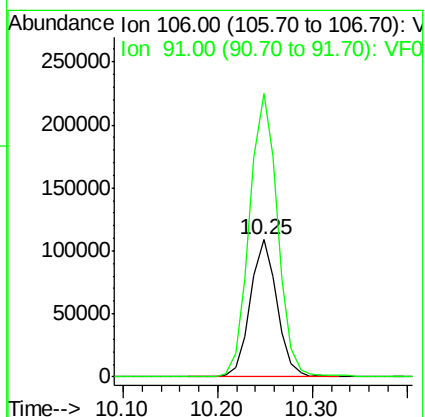
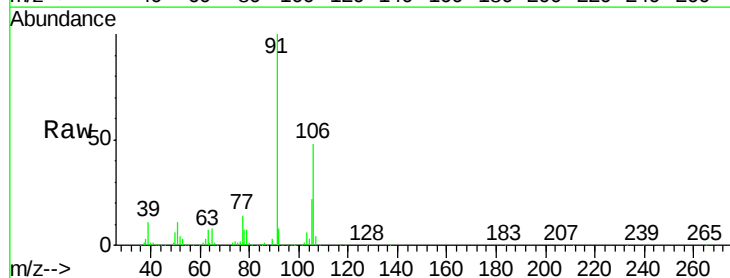
Acq: 2 Jul 2018 14:50

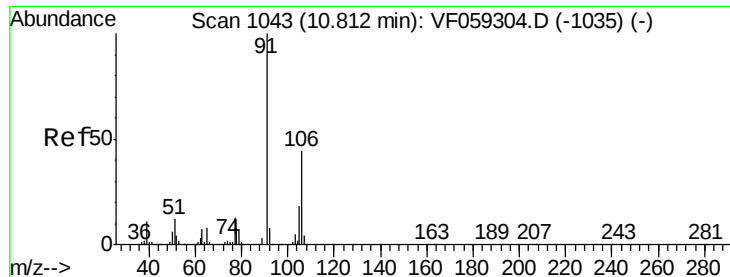
Tgt Ion: 106 Resp: 214291

Ion Ratio Lower Upper

106 100

91 206.5 170.8 256.2

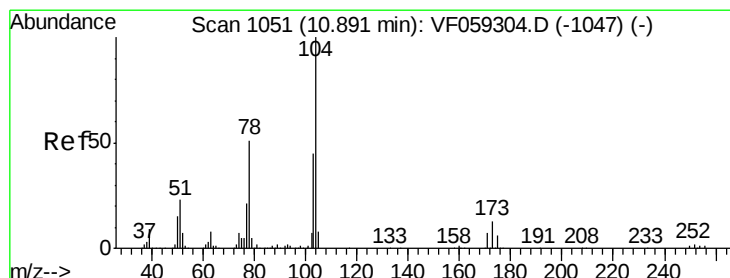
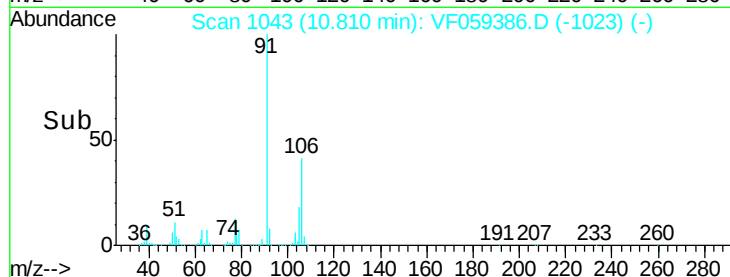
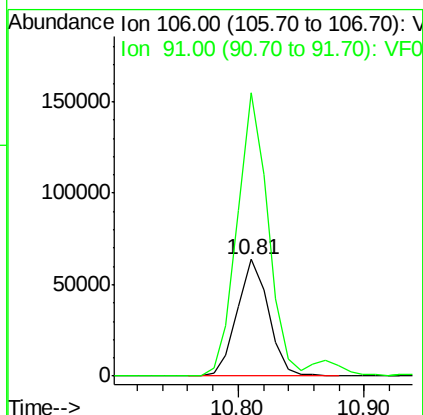
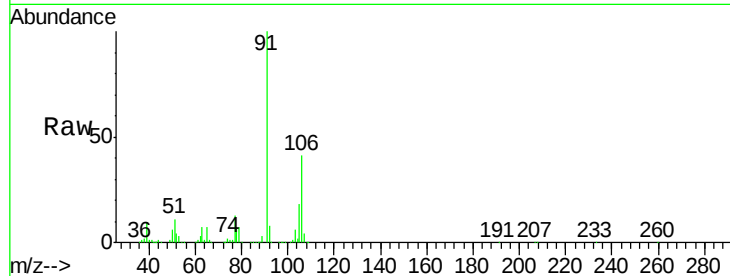




#69
o-Xylene
Concen: 22.10 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

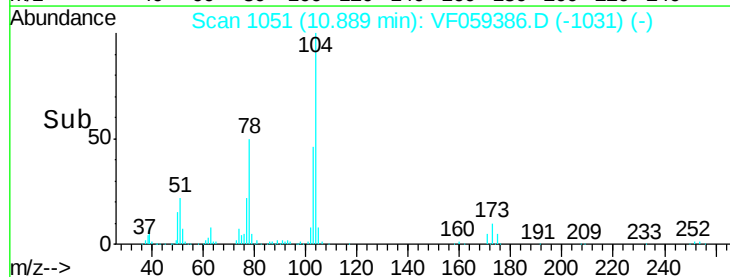
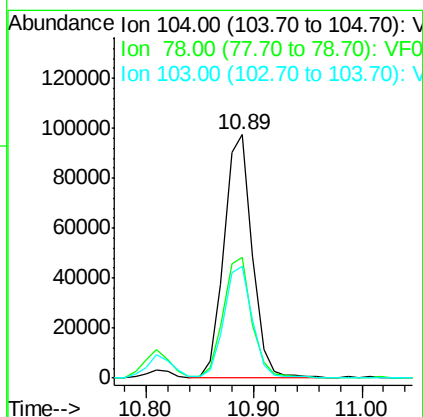
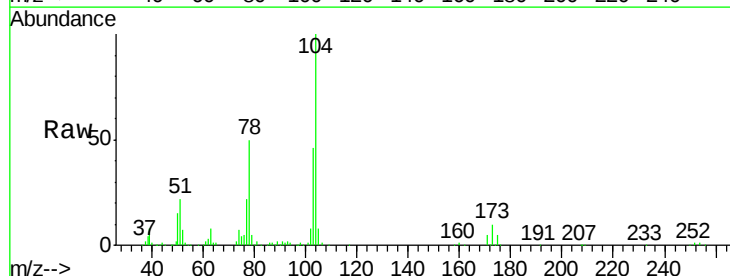
Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

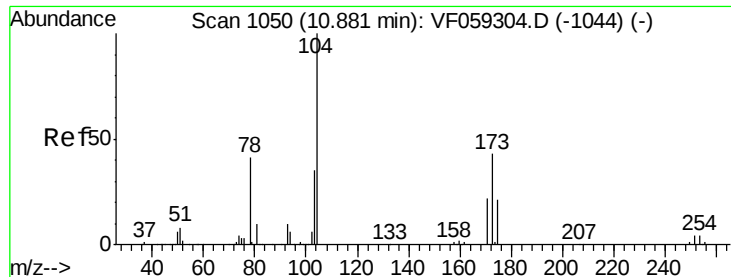
Tot Ion:106 Resp: 110693
Ion Ratio Lower Upper
106 100
91 243.1 114.6 343.6



#70
Styrene
Concen: 23.08 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion:104 Resp: 176114
Ion Ratio Lower Upper
104 100
78 49.8 40.9 61.3
103 46.1 36.5 54.7





#71

Bromoform

Concen: 22.81 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

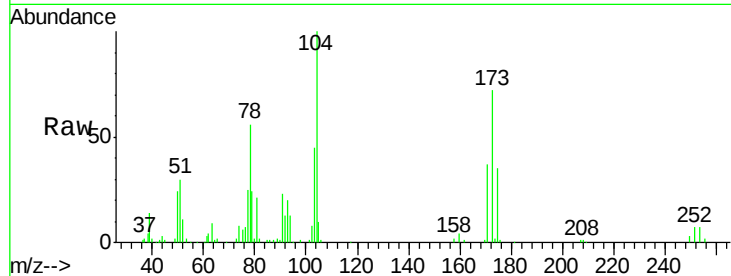
Tot Ion:173 Resp: 50160

Ion Ratio Lower Upper

173 100

175 48.7 24.8 74.3

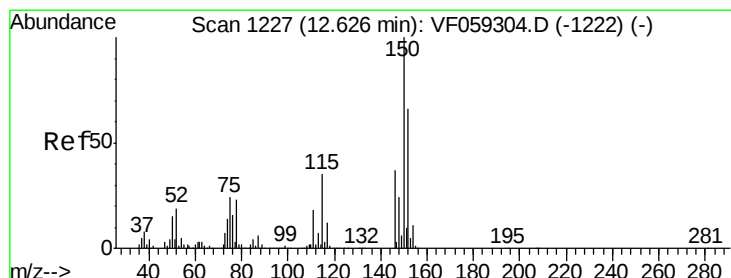
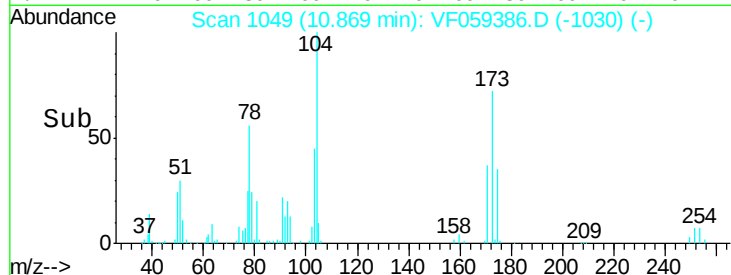
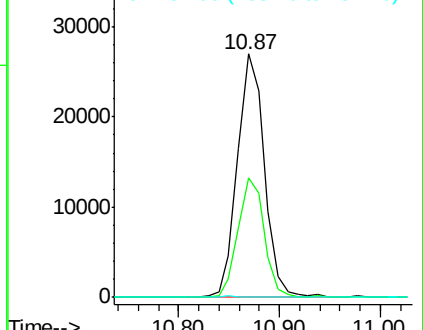
254 0.0 0.0 0.0



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. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

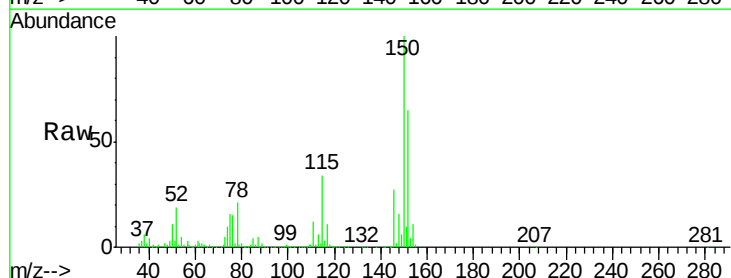
Tgt Ion:152 Resp: 257714

Ion Ratio Lower Upper

152 100

115 53.3 27.1 81.3

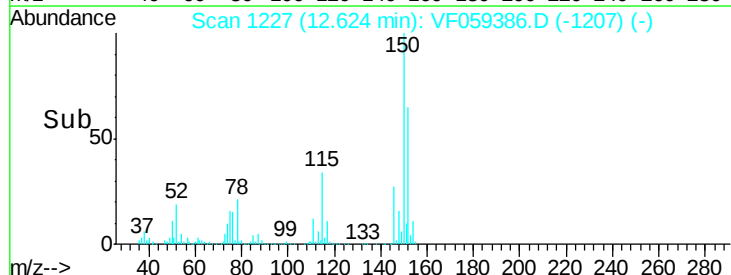
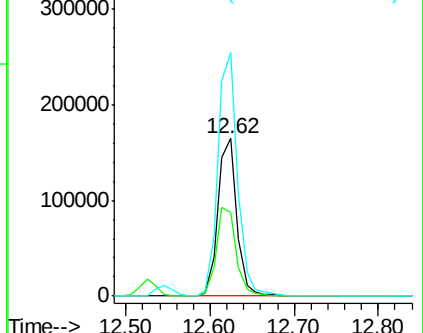
150 154.7 0.0 305.2

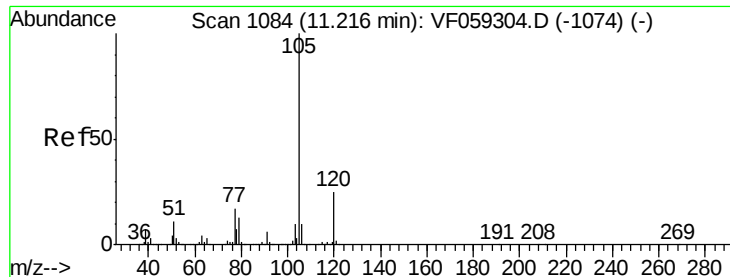


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.90 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

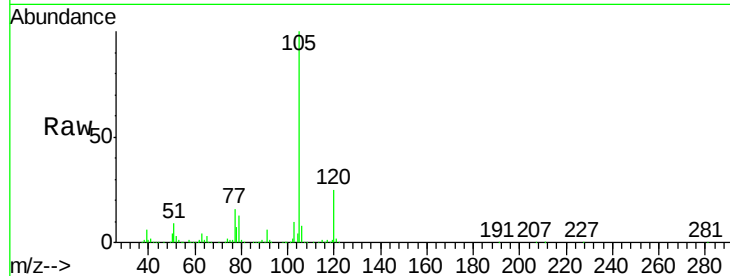
VF0702SBSD01

Tot Ion:105 Resp: 343782

Ion Ratio Lower Upper

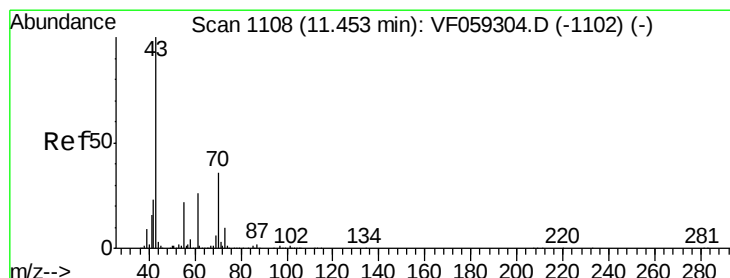
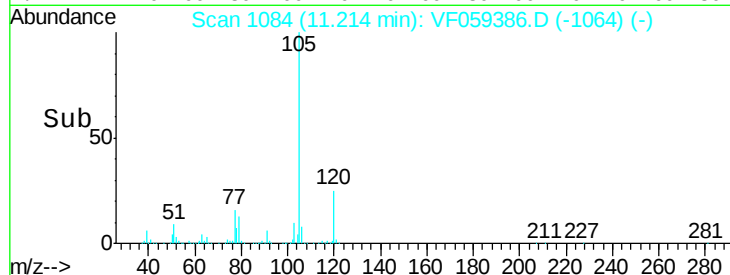
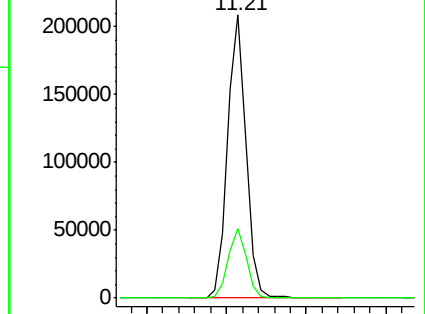
105 100

120 24.8 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.64 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Tgt Ion: 43 Resp: 123347

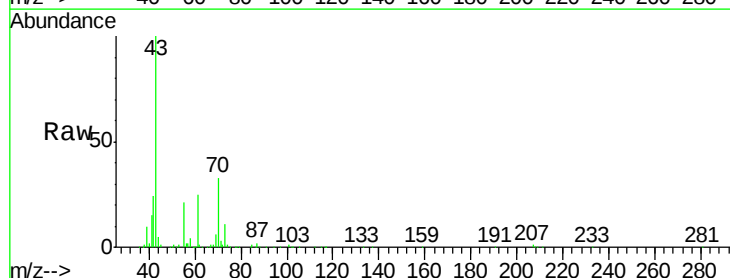
Ion Ratio Lower Upper

43 100

70 33.5 28.8 43.2

55 21.3 17.4 26.0

61 24.7 21.1 31.7

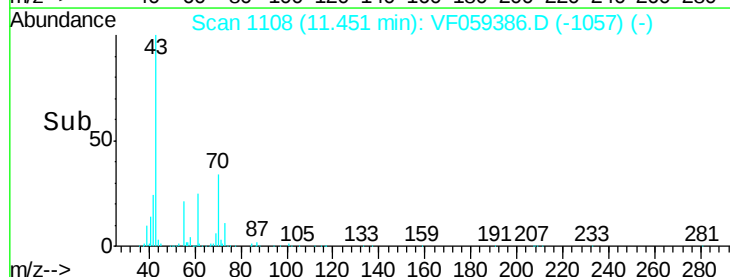
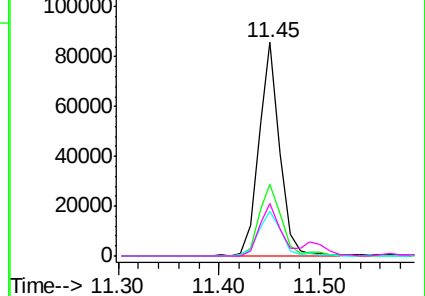


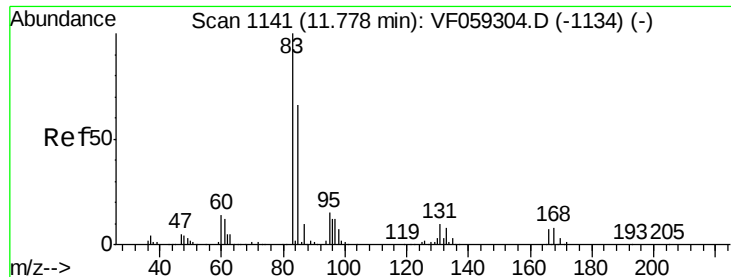
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 21.05 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

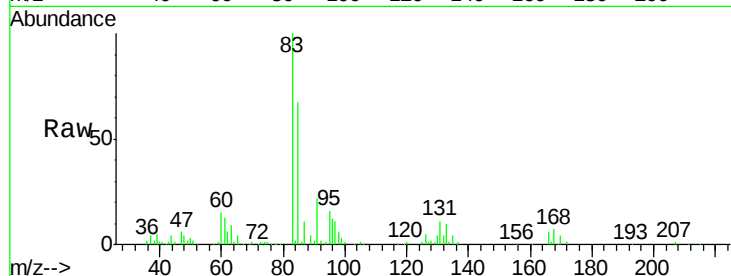
Tot Ion: 83 Resp: 79813

Ion Ratio Lower Upper

83 100

131 11.2 4.9 14.6

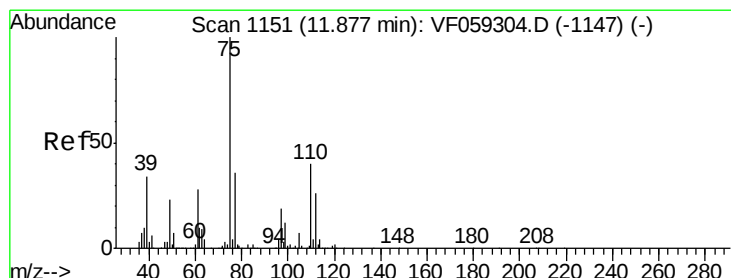
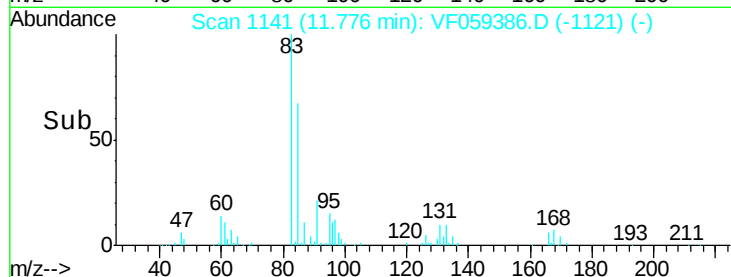
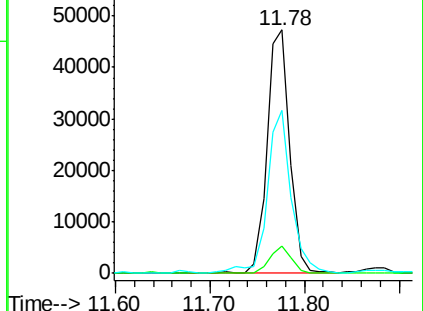
85 66.8 32.8 98.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.33 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059386.D

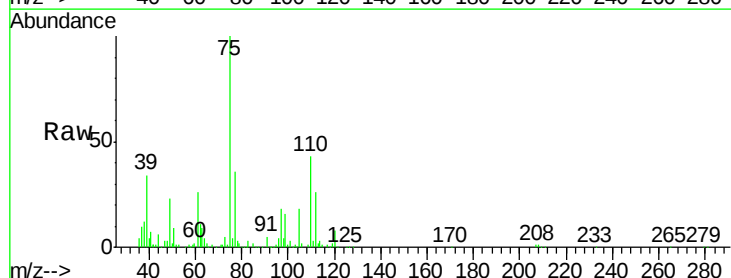
Acq: 2 Jul 2018 14:50

Tgt Ion: 75 Resp: 61000

Ion Ratio Lower Upper

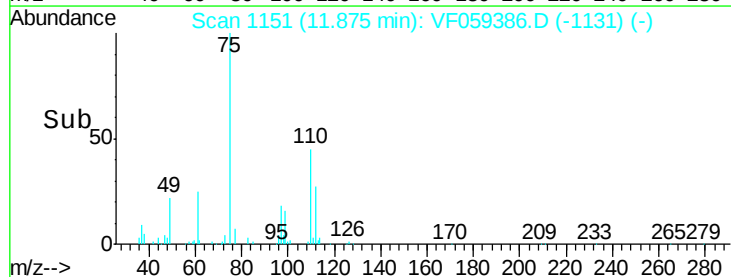
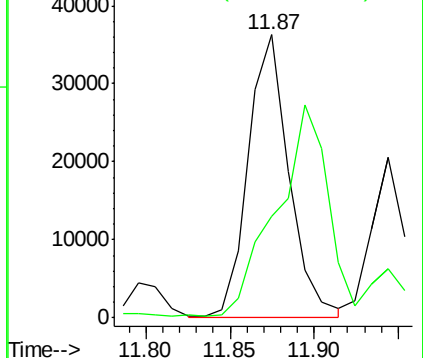
75 100

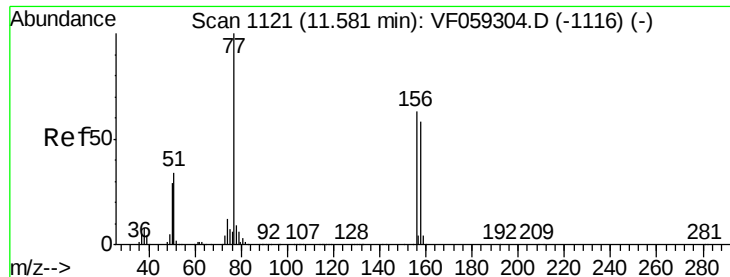
77 35.7 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.84 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

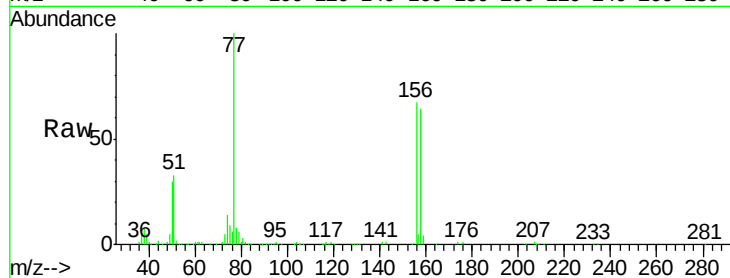
Tot Ion:156 Resp: 90988

Ion Ratio Lower Upper

156 100

77 150.0 79.7 238.9

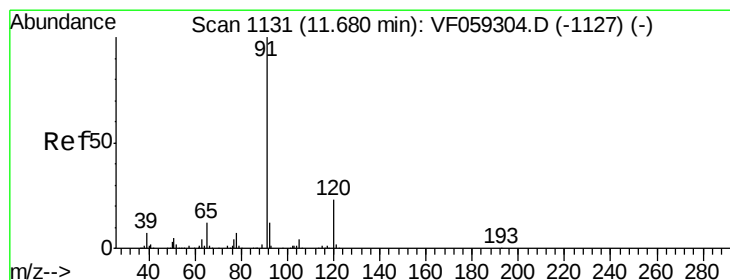
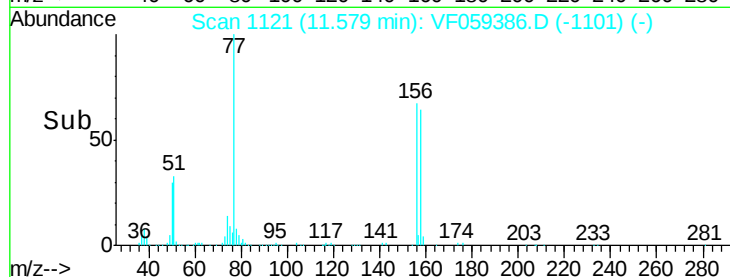
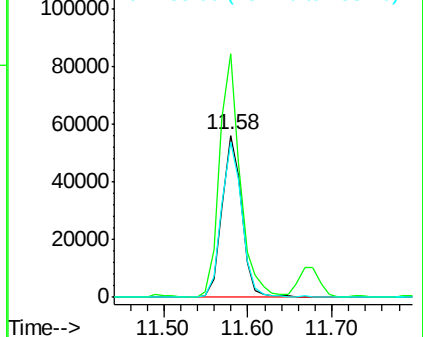
158 95.7 46.2 138.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 23.47 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059386.D

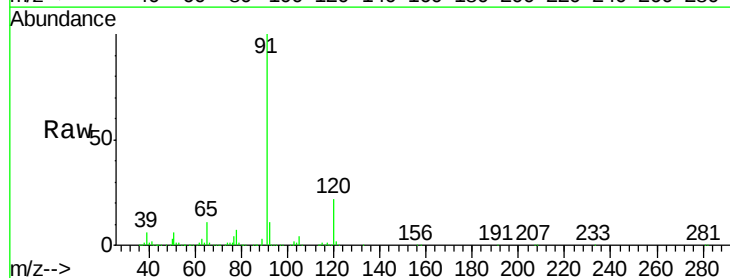
Acq: 2 Jul 2018 14:50

Tgt Ion: 91 Resp: 423248

Ion Ratio Lower Upper

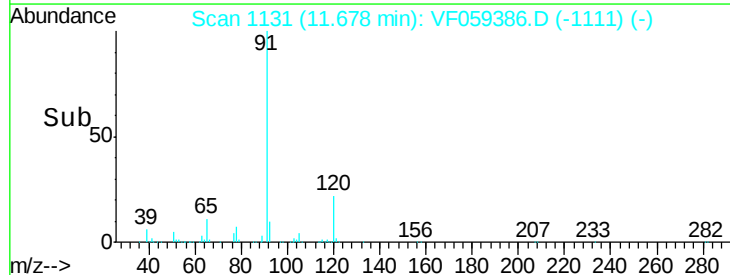
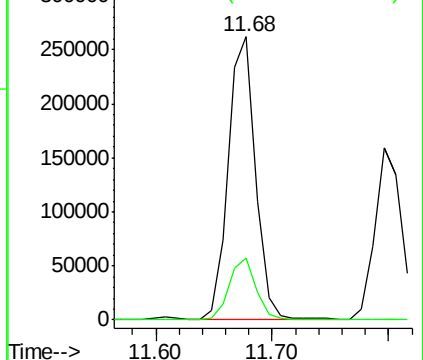
91 100

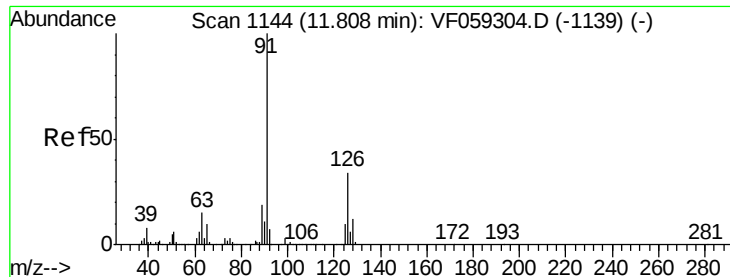
120 22.0 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.54 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

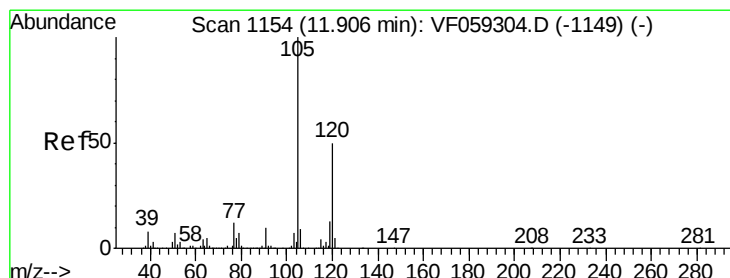
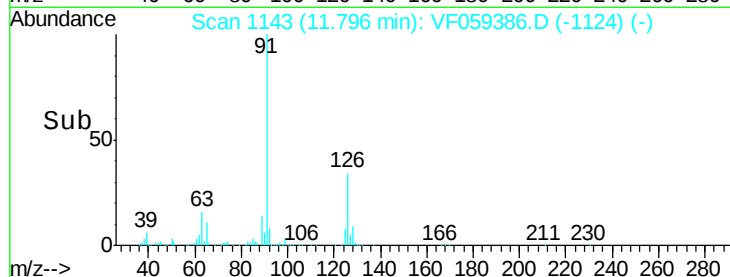
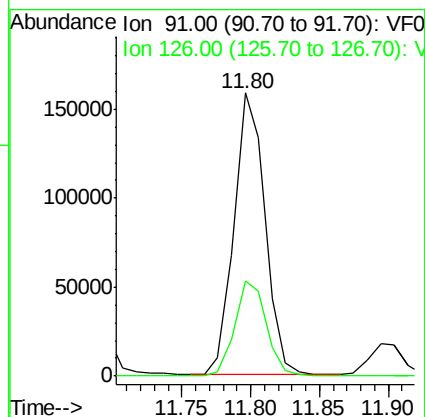
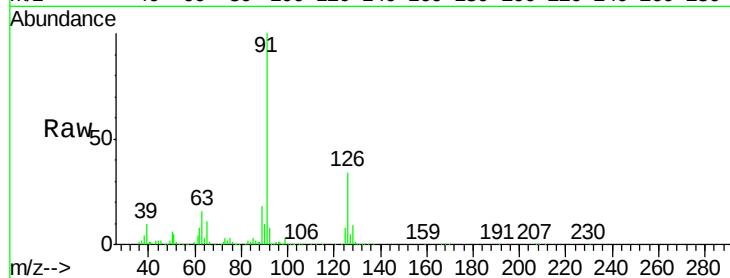
VF0702SBSD01

Tot Ion: 91 Resp: 248301

Ion Ratio Lower Upper

91 100

126 33.5 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 22.53 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059386.D

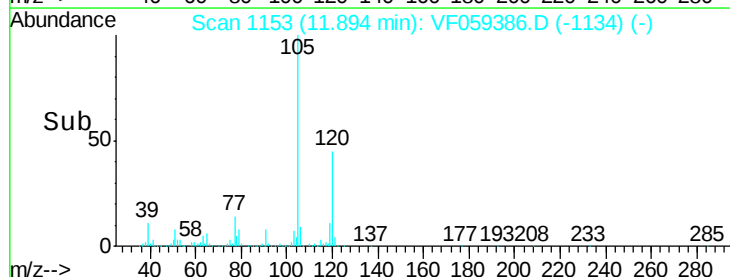
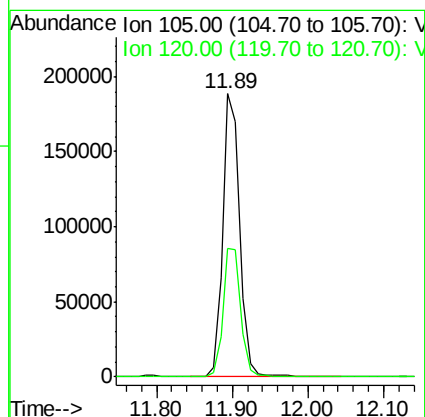
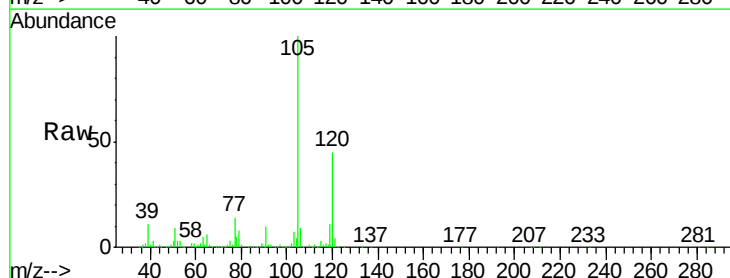
Acq: 2 Jul 2018 14:50

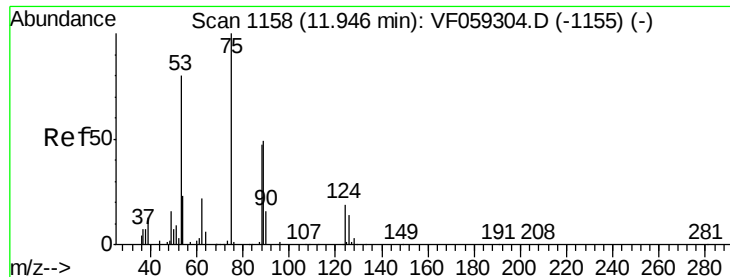
Tgt Ion:105 Resp: 296369

Ion Ratio Lower Upper

105 100

120 45.2 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 22.51 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

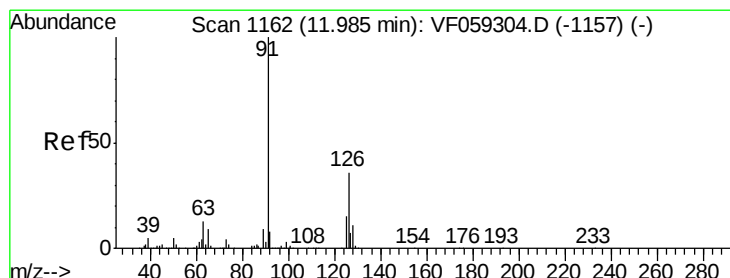
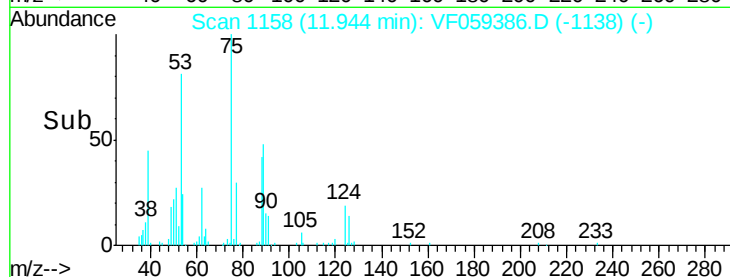
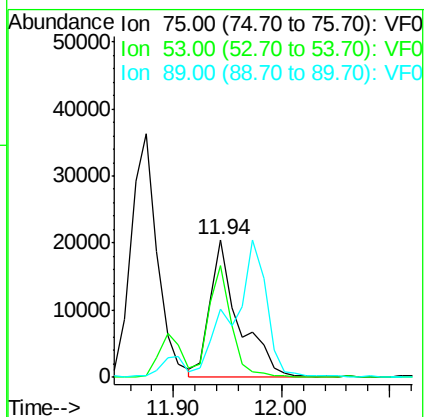
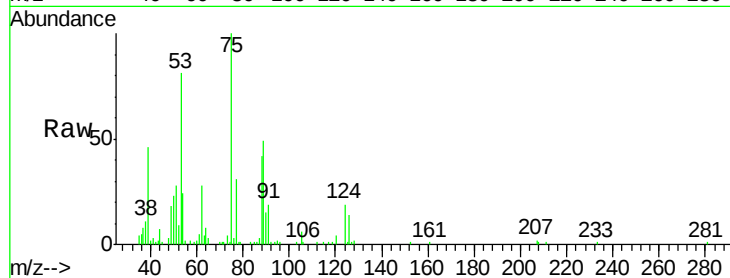
Tot Ion: 75 Resp: 38319

Ion Ratio Lower Upper

75 100

53 81.2 68.8 103.2

89 49.2 42.0 63.0



#82

4-Chlorotoluene

Concen: 22.07 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF059386.D

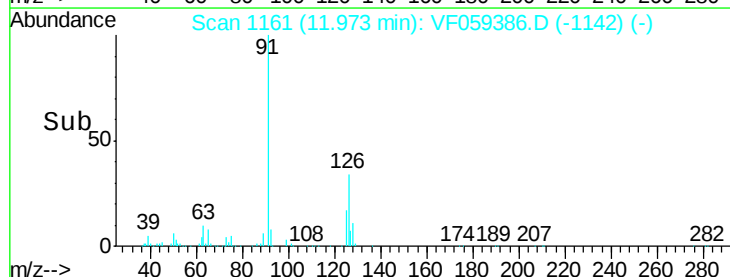
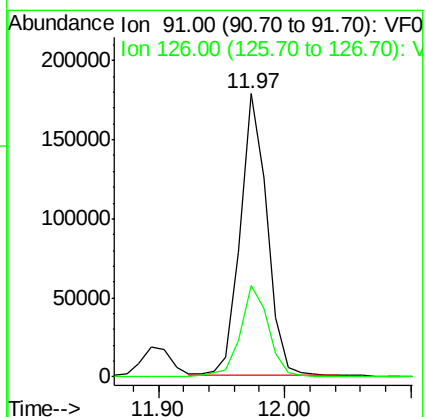
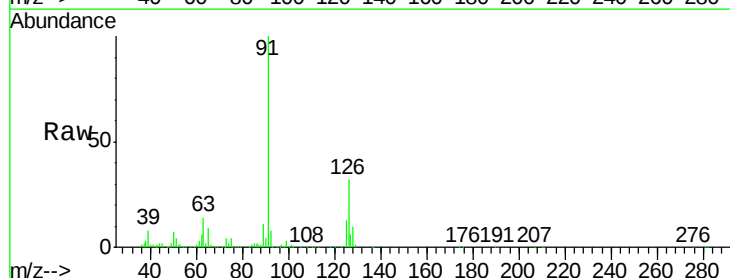
Acq: 2 Jul 2018 14:50

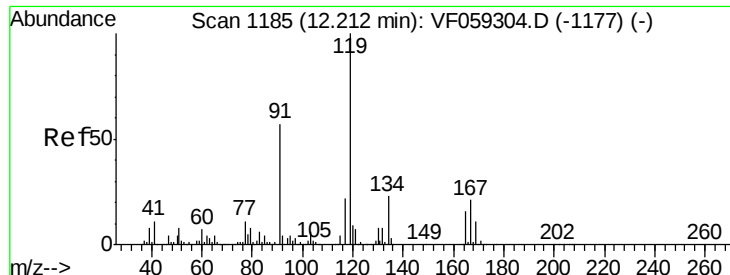
Tgt Ion: 91 Resp: 260367

Ion Ratio Lower Upper

91 100

126 32.4 18.2 54.6

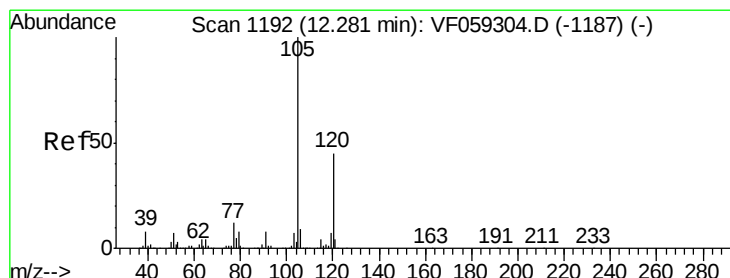
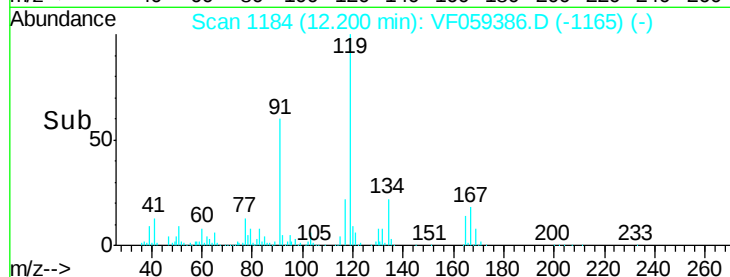
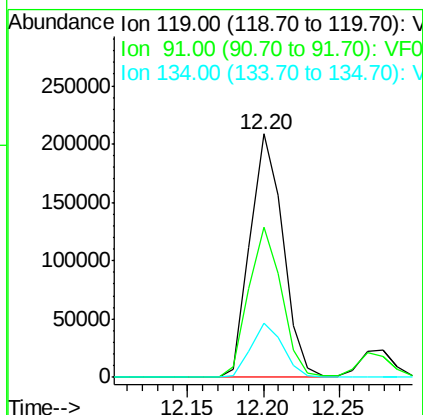
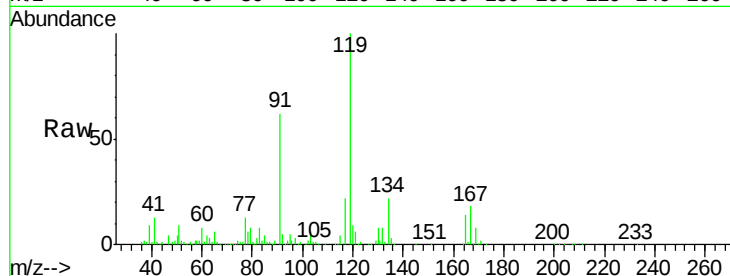




#83
 tert-Butylbenzene
 Concen: 24.20 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

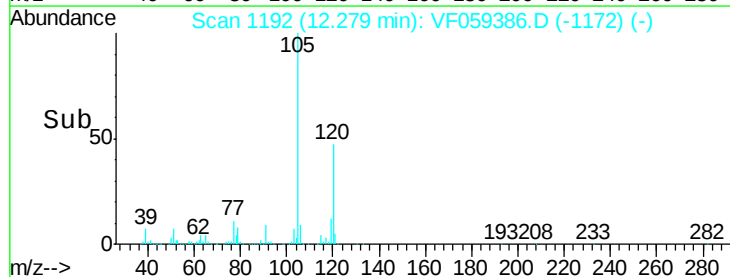
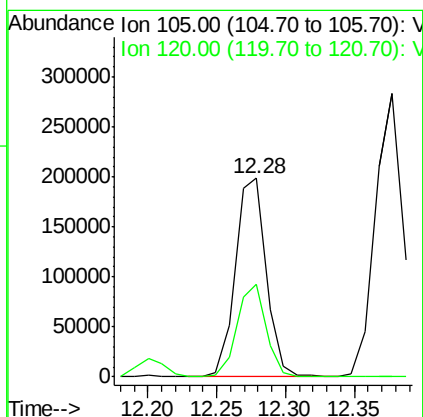
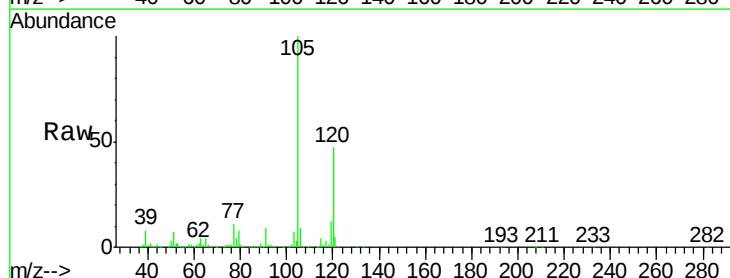
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBSD01

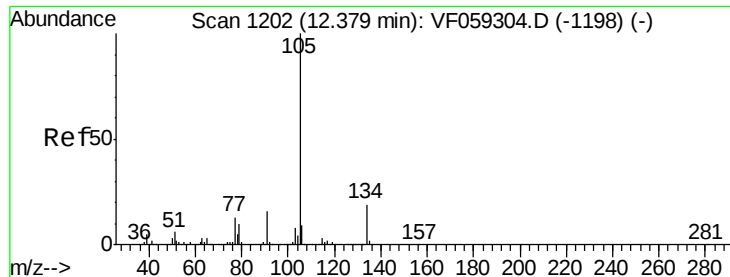
Tot Ion:119 Resp: 318290
 Ion Ratio Lower Upper
 119 100
 91 61.5 28.4 85.2
 134 22.2 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 22.47 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Tgt Ion:105 Resp: 311228
 Ion Ratio Lower Upper
 105 100
 120 47.0 22.8 68.4





#85

sec-Butylbenzene

Concen: 23.20 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

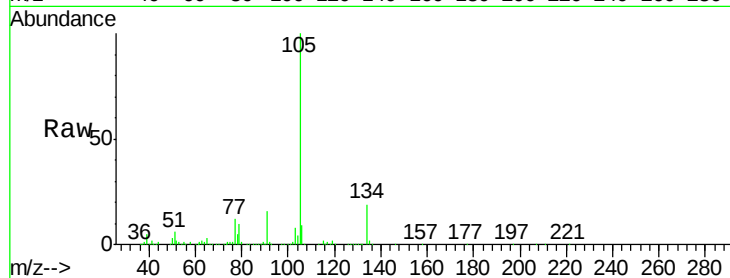
VF0702SBSD01

Tot Ion:105 Resp: 404460

Ion Ratio Lower Upper

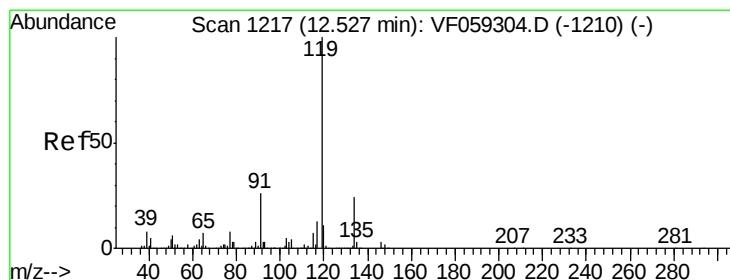
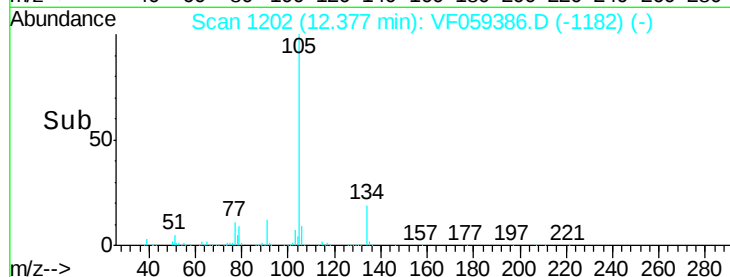
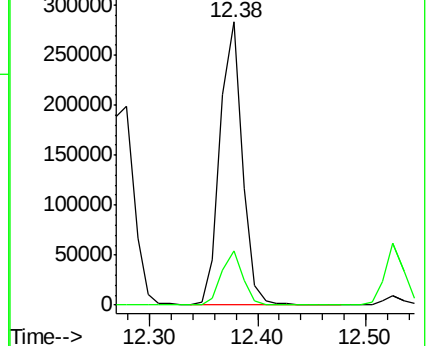
105 100

134 19.1 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.42 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

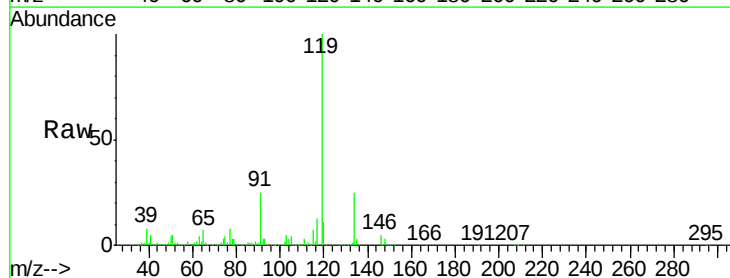
Tgt Ion:119 Resp: 328035

Ion Ratio Lower Upper

119 100

134 24.8 12.2 36.4

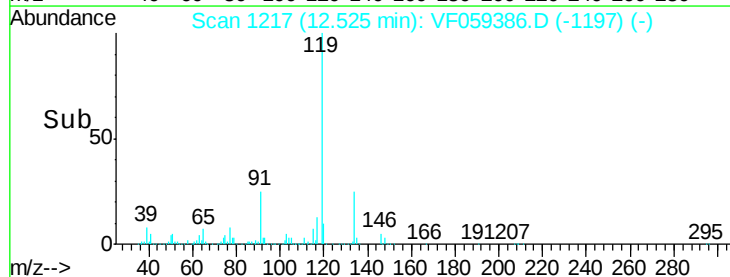
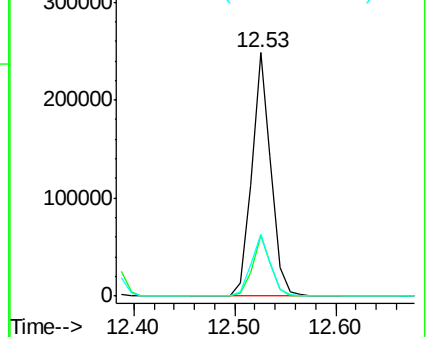
91 25.5 12.9 38.6

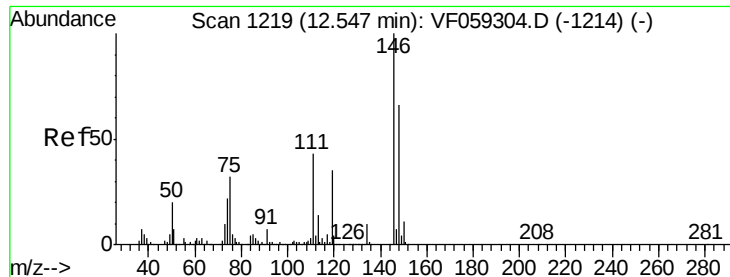


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

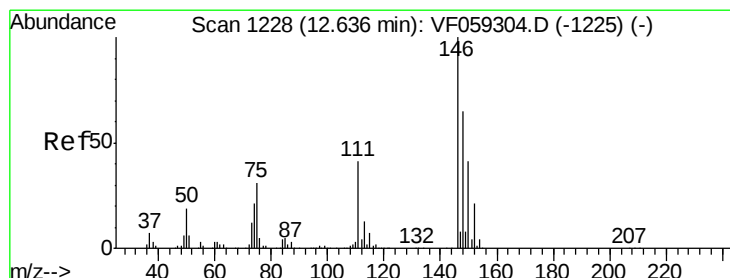
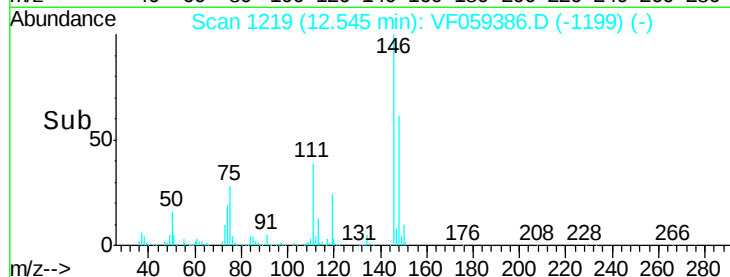
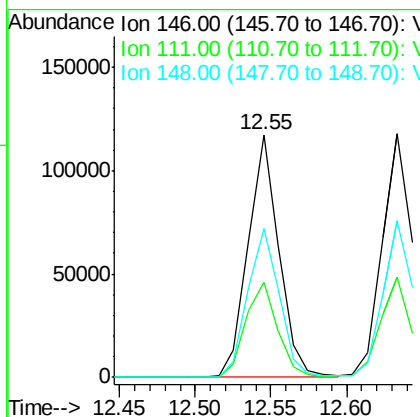
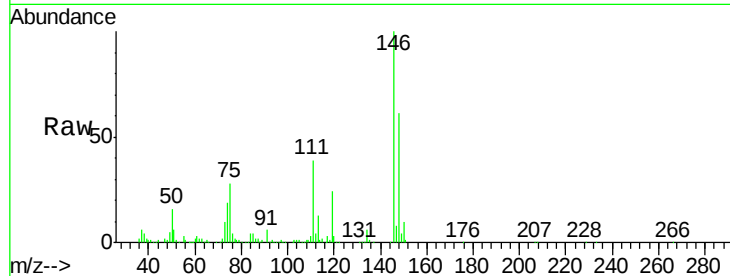




#87
 1,3-Dichlorobenzene
 Concen: 21.76 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

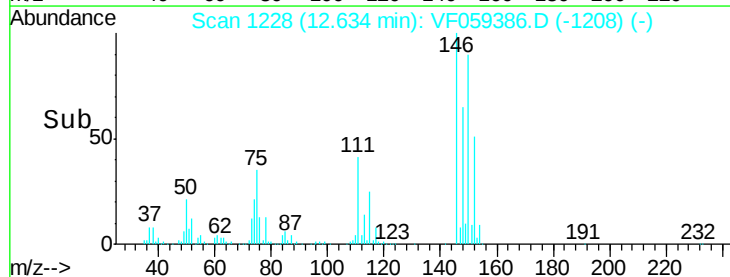
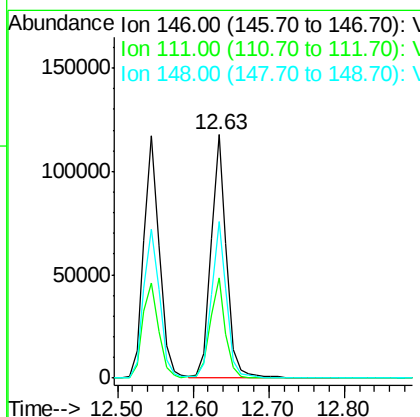
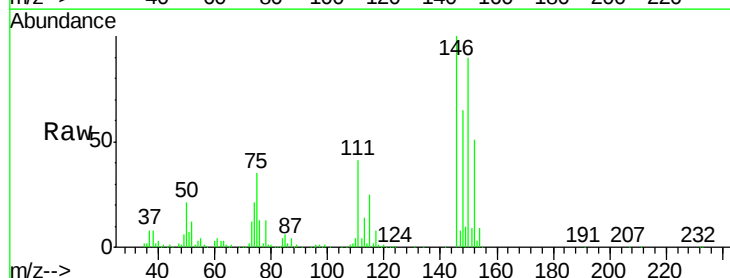
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBSD01

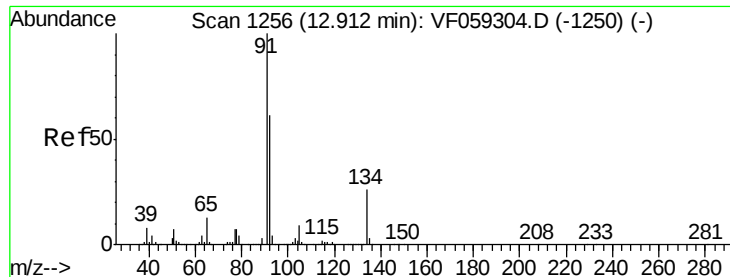
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.4	64.2
148	61.4	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 22.84 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.7	62.1
148	64.5	32.8	98.3





#89

n-Butylbenzene

Concen: 23.96 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

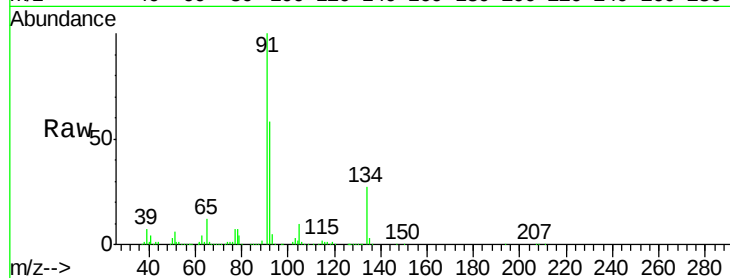
Tot Ion: 91 Resp: 355952

Ion Ratio Lower Upper

91 100

92 58.1 30.3 91.0

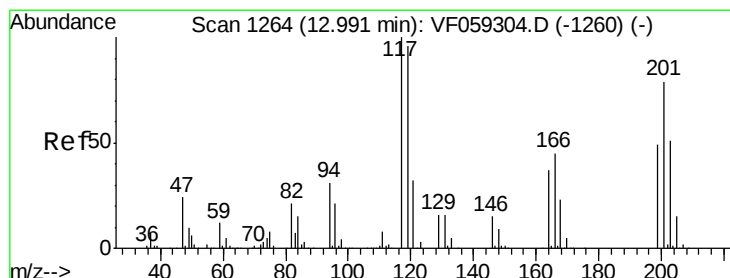
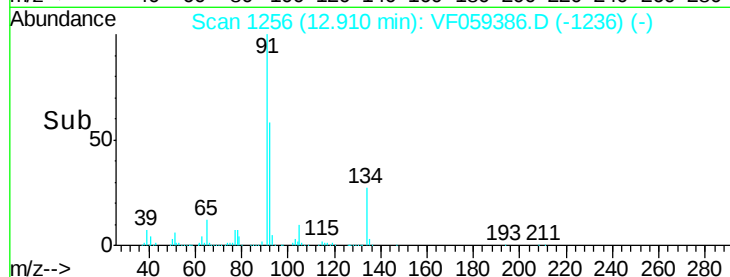
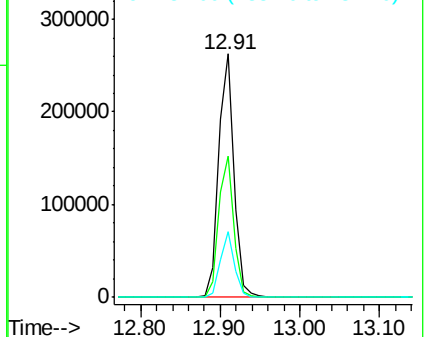
134 26.8 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 23.05 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF059386.D

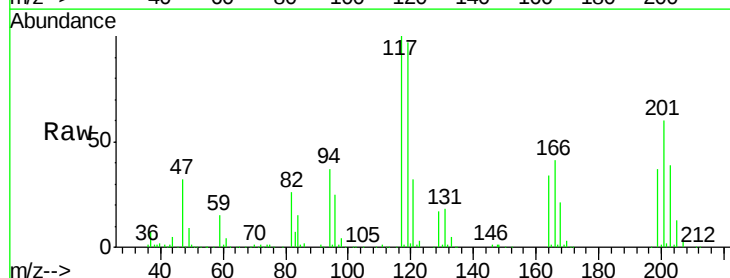
Acq: 2 Jul 2018 14:50

Tgt Ion: 117 Resp: 84059

Ion Ratio Lower Upper

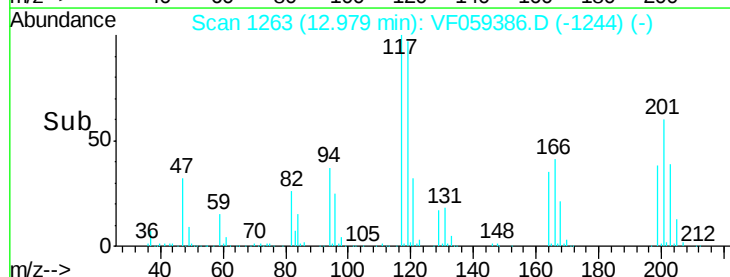
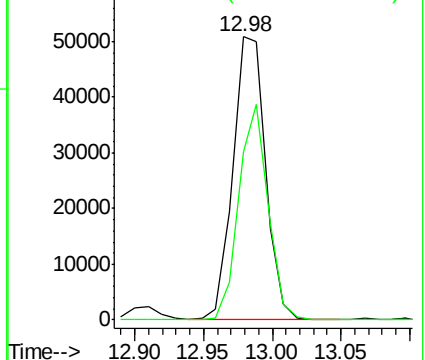
117 100

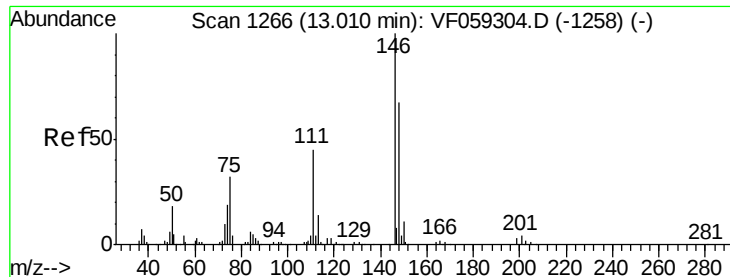
201 61.2 39.5 118.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 22.82 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

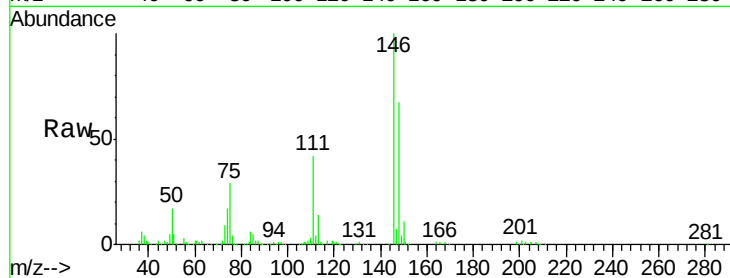
Tot Ion:146 Resp: 172575

Ion Ratio Lower Upper

146 100

111 42.4 22.7 68.0

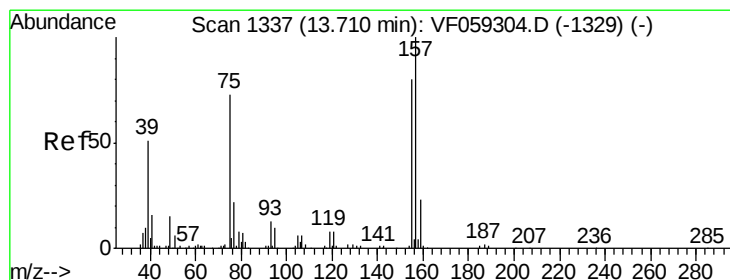
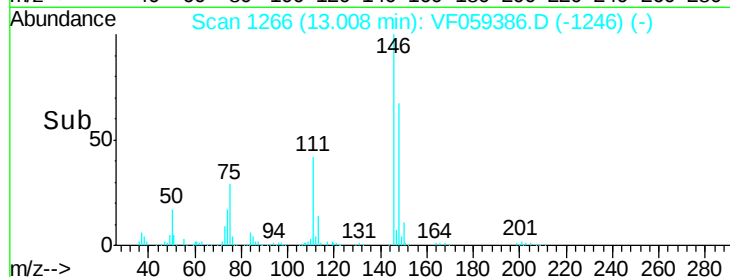
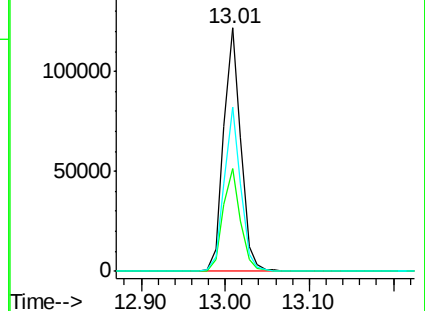
148 67.5 33.5 100.4



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: 21.06 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

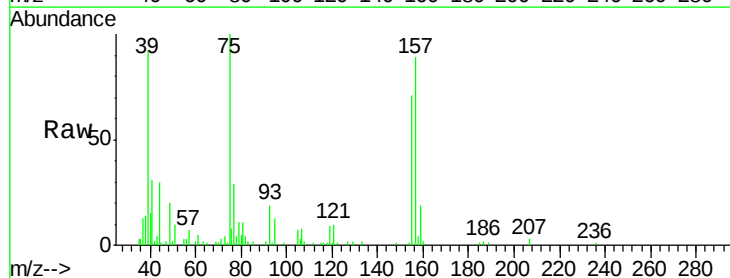
Tgt Ion: 75 Resp: 17705

Ion Ratio Lower Upper

75 100

155 70.6 54.6 163.8

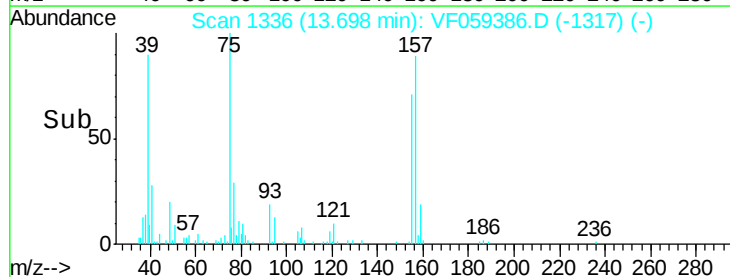
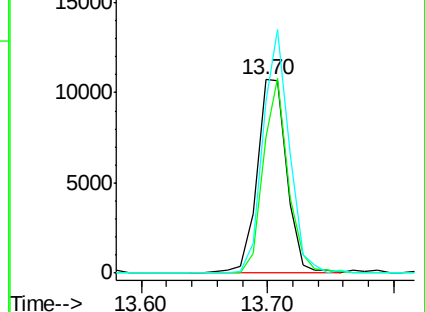
157 88.6 68.7 205.9

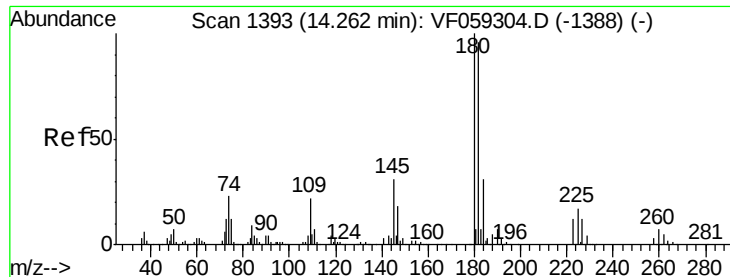


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

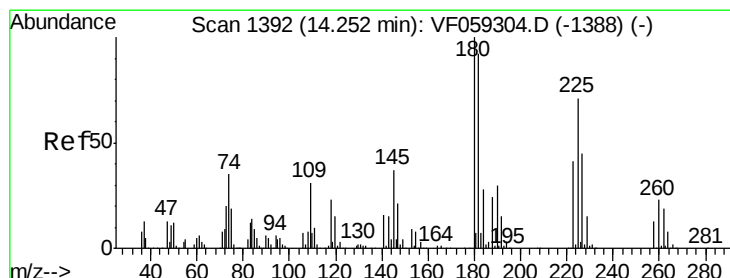
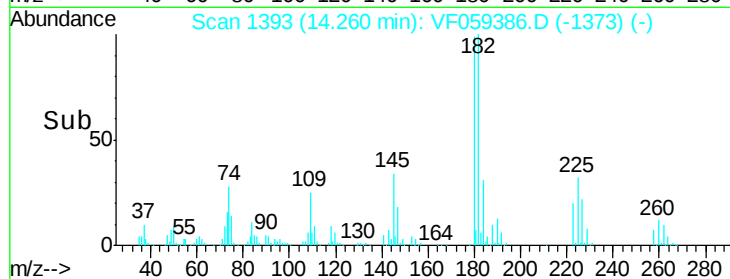
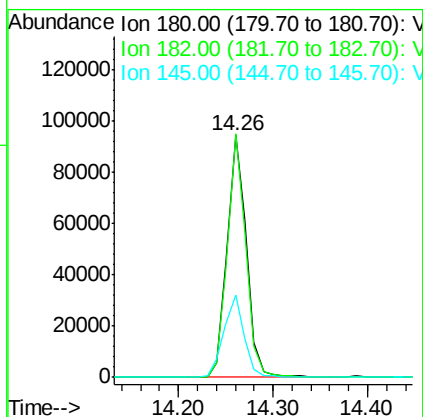
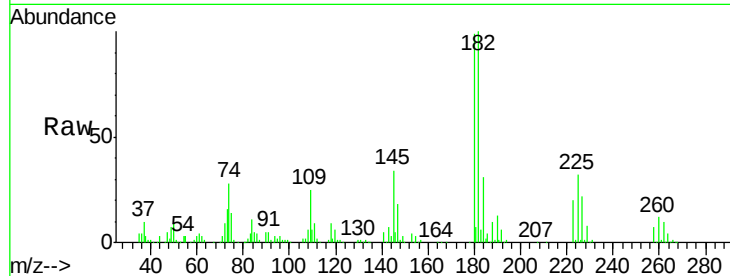




#93
 1,2,4-Trichlorobenzene
 Concen: 23.72 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

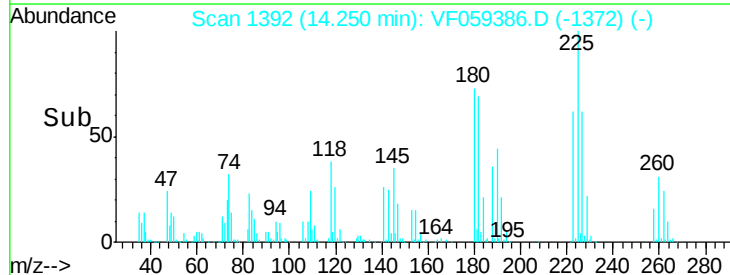
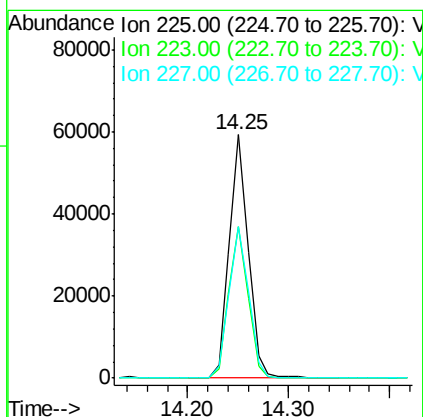
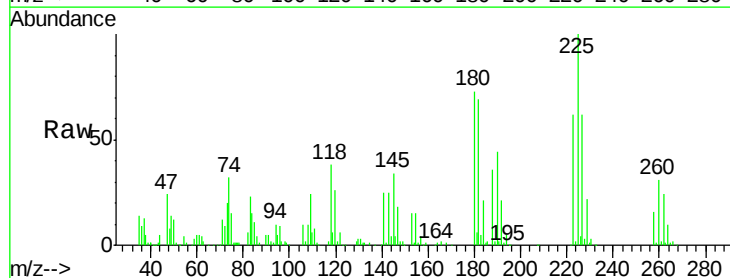
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBSD01

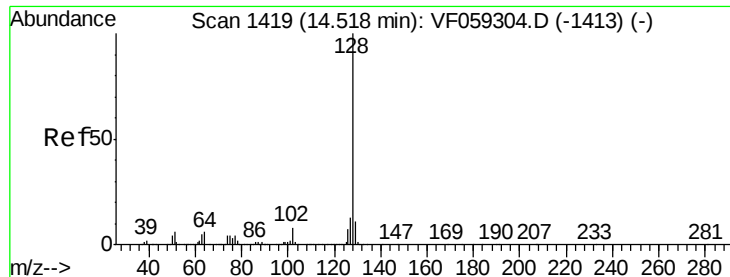
Tot Ion:180 Resp: 132658
 Ion Ratio Lower Upper
 180 100
 182 100.6 48.1 144.3
 145 33.8 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 24.83 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Tgt Ion:225 Resp: 77536
 Ion Ratio Lower Upper
 225 100
 223 62.3 28.9 86.8
 227 62.3 31.3 93.8

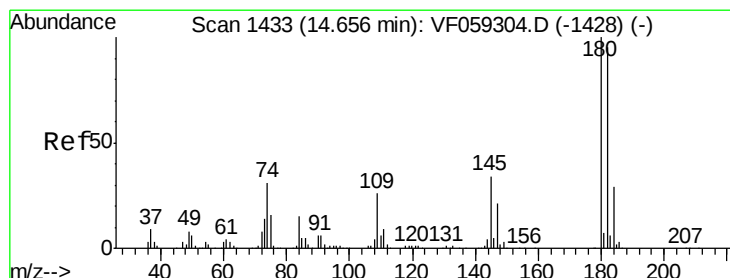
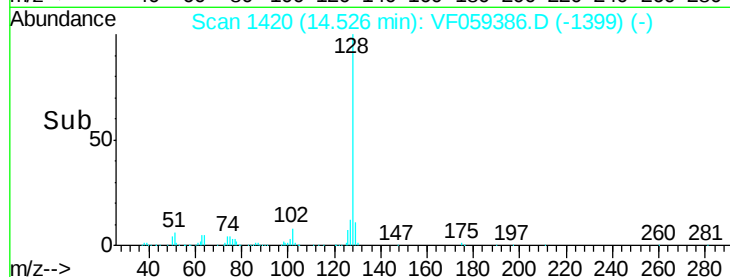
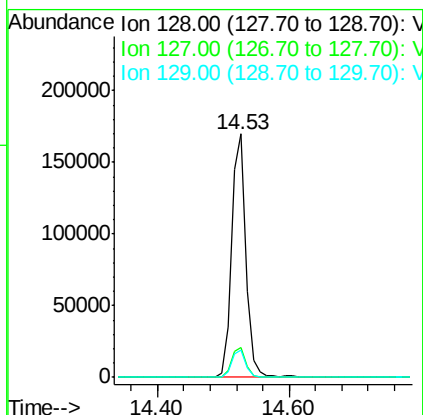
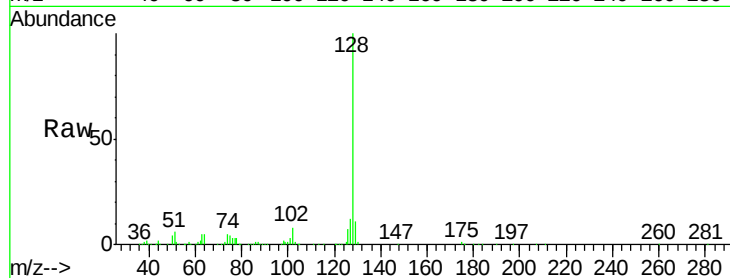




#95
Naphthalene
Concen: 22.11 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

Tot Ion:128 Resp: 258640
Ion Ratio Lower Upper
128 100
127 12.5 10.1 15.1
129 11.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 23.17 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. 0.02 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion:180 Resp: 122744
Ion Ratio Lower Upper
180 100
182 100.9 47.5 142.5
145 32.5 17.0 50.9

