

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070218\
 Data File : VF059385.D
 Acq On : 2 Jul 2018 14:22
 Operator : VA/AP
 Sample : VF0702SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

Quant Time: Jul 03 01:07:28 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	279197	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.74	114	421035	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	423906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	253413	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	164379	45.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	91.14%	
35) Dibromofluoromethane	4.26	113	145661	47.35	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.70%	
50) Toluene-d8	7.68	98	338275	44.41	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	88.82%	
62) 4-Bromofluorobenzene	11.50	95	197439	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	52763	20.68	ug/l	92
3) Chloromethane	1.08	50	30317	17.69	ug/l	98
4) Vinyl Chloride	1.14	62	35119	20.82	ug/l	100
5) Bromomethane	1.32	94	18930	16.55	ug/l	83
6) Chloroethane	1.41	64	14376	16.92	ug/l	96
7) Trichlorofluoromethane	1.47	101	19485	5.84	ug/l	89
8) Diethyl Ether	1.69	74	17406	20.35	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.88	101	38450	19.75	ug/l	98
10) Methyl Iodide	1.94	142	63340	17.84	ug/l	98
11) Tert butyl alcohol	2.66	59	23703	98.70	ug/l	99
12) 1,1-Dichloroethene	1.85	96	35466	21.55	ug/l	85
13) Acrolein	2.07	56	12931	101.44	ug/l	98
14) Allyl chloride	2.17	41	60712	19.65	ug/l	95
15) Acrylonitrile	3.05	53	50421	119.23	ug/l	92
16) Acetone	2.32	43	109771	116.40	ug/l	99
17) Carbon Disulfide	1.86	76	72122	18.63	ug/l	98
18) Methyl Acetate	2.43	43	34430	20.46	ug/l	97
19) Methyl tert-butyl Ether	2.52	73	130799	21.30	ug/l #	89
20) Methylene Chloride	2.26	84	22686	4.49	ug/l	92
21) trans-1,2-Dichloroethene	2.39	96	37605	21.42	ug/l	94
22) Diisopropyl ether	2.90	45	141084	20.62	ug/l	99
23) Vinyl Acetate	3.30	43	479915	110.13	ug/l	99
24) 1,1-Dichloroethane	2.98	63	89100	21.00	ug/l	98
25) 2-Butanone	4.48	43	130526	118.17	ug/l	95
26) 2,2-Dichloropropane	3.73	77	60995	20.85	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	55458	20.80	ug/l	78
28) Bromochloromethane	3.86	49	42345	23.76	ug/l	97
29) Tetrahydrofuran	4.23	42	56643	117.39	ug/l	96
30) Chloroform	4.00	83	128227	20.88	ug/l	97
31) Cyclohexane	3.84	56	56546	20.35	ug/l	91
32) 1,1,1-Trichloroethane	4.24	97	92215	20.52	ug/l	93
36) 1,1-Dichloropropene	4.43	75	75764	20.60	ug/l	99
37) Ethyl Acetate	4.26	43	59207	24.41	ug/l #	91
38) Carbon Tetrachloride	4.13	117	100487	21.65	ug/l	88

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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)
39) Methylcyclohexane	5.59	83	71850	22.04	ug/l	94
40) Benzene	4.78	78	157870	19.36	ug/l	99
41) Methacrylonitrile	4.89	41	24474	19.51	ug/l	91
42) 1,2-Dichloroethane	5.09	62	104858	22.00	ug/l	99
43) Isopropyl Acetate	7.09	43	68889	22.49	ug/l	94
44) Trichloroethene	5.64	130	59657	21.32	ug/l	98
45) 1,2-Dichloropropane	6.38	63	49757	21.36	ug/l	92
46) Dibromomethane	6.22	93	40658	20.10	ug/l	92
47) Bromodichloromethane	6.52	83	102535	20.95	ug/l	97
48) Methyl methacrylate	6.85	41	43190	21.03	ug/l	91
49) 1,4-Dioxane	6.84	88	6295	555.68	ug/l #	88
51) 4-Methyl-2-Pentanone	8.38	43	258915	114.07	ug/l	98
52) Toluene	7.76	92	123201	20.19	ug/l	98
53) t-1,3-Dichloropropene	8.40	75	98147	22.00	ug/l	99
54) cis-1,3-Dichloropropene	7.43	75	100952	20.83	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	50953	21.51	ug/l	93
56) Ethyl methacrylate	8.74	69	61749	21.04	ug/l	98
57) 1,3-Dichloropropane	8.98	76	82242	20.24	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.75	63	22867	103.88	ug/l	100
59) 2-Hexanone	9.60	43	206387	111.69	ug/l	95
60) Dibromochloromethane	8.83	129	79347	21.69	ug/l	93
61) 1,2-Dibromoethane	9.11	107	59055	20.55	ug/l	99
64) Tetrachloroethene	8.28	164	60359	21.95	ug/l	98
65) Chlorobenzene	9.92	112	168008	21.39	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	74121	21.82	ug/l	91
67) Ethyl Benzene	10.02	91	278880	20.93	ug/l	95
68) m/p-Xylenes	10.24	106	207661	43.78	ug/l	95
69) o-Xylene	10.81	106	114388	21.56	ug/l	99
70) Styrene	10.89	104	167026	20.67	ug/l	97
71) Bromoform	10.88	173	48781	20.95	ug/l	96
73) Isopropylbenzene	11.21	105	335014	22.69	ug/l	98
74) N-amyl acetate	11.45	43	122621	22.89	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	80941	21.71	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	63614	22.62	ug/l	93
77) Bromobenzene	11.57	156	92712	22.64	ug/l	97
78) n-propylbenzene	11.67	91	399828	22.55	ug/l	98
79) 2-Chlorotoluene	11.80	91	242914	22.43	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	299657	23.17	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	38069	22.74	ug/l	96
82) 4-Chlorotoluene	11.98	91	256320	22.09	ug/l	96
83) tert-Butylbenzene	12.21	119	302102	23.36	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	302747	22.23	ug/l	97
85) sec-Butylbenzene	12.37	105	392044	22.87	ug/l	98
86) p-Isopropyltoluene	12.52	119	340763	23.68	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	170688	22.73	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	161355	22.06	ug/l	98
89) n-Butylbenzene	12.91	91	340902	23.34	ug/l	95
90) Hexachloroethane	12.98	117	80434	22.43	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	163866	22.04	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	16540	20.01	ug/l	93

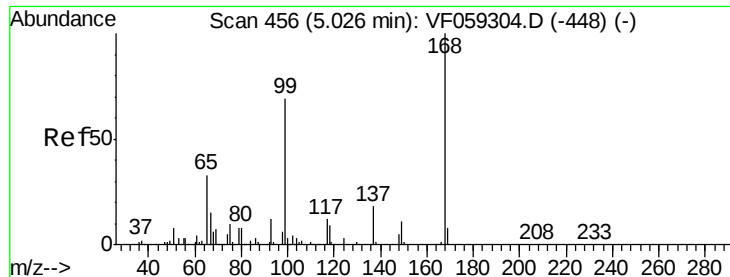
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	128032	23.29	ug/l	97
94) Hexachlorobutadiene	14.25	225	72537	23.62	ug/l	99
95) Naphthalene	14.52	128	252594	21.96	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	116977	22.46	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

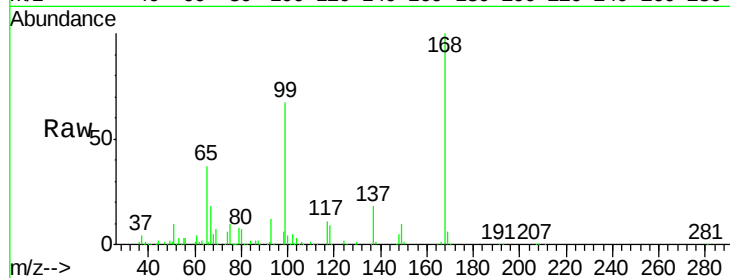
VF0702SBS01

Tot Ion:168 Resp: 279197

Ion Ratio Lower Upper

168 100

99 67.0 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

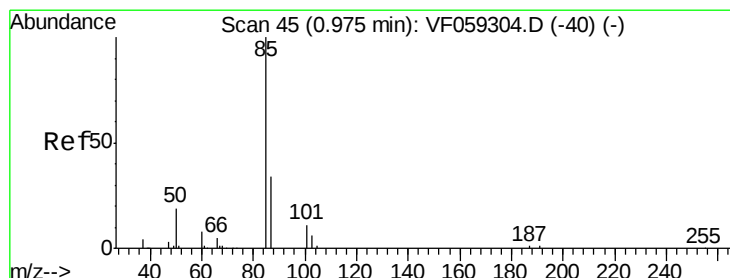
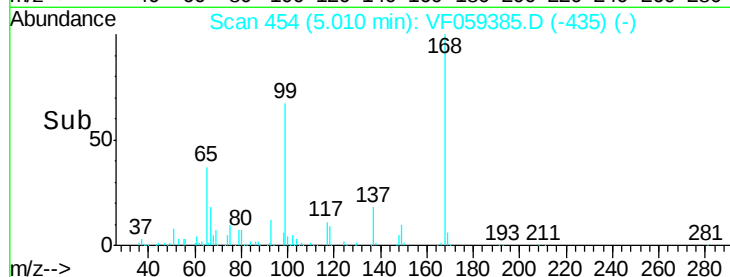
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 20.68 ug/l

RT: 0.97 min Scan# 44

Delta R.T. -0.01 min

Lab File: VF059385.D

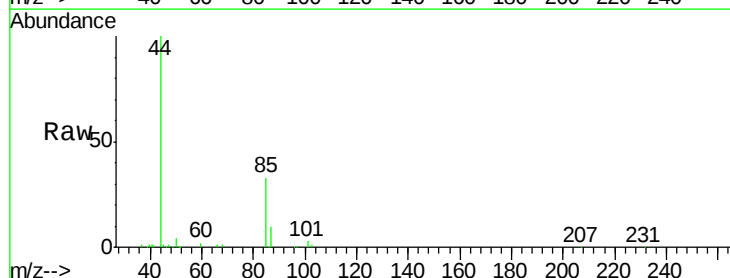
Acq: 2 Jul 2018 14:22

Tgt Ion: 85 Resp: 52763

Ion Ratio Lower Upper

85 100

87 29.9 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

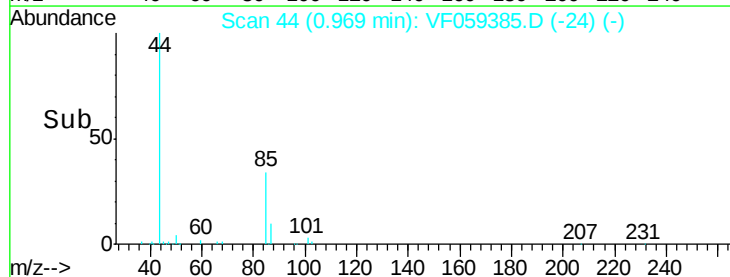
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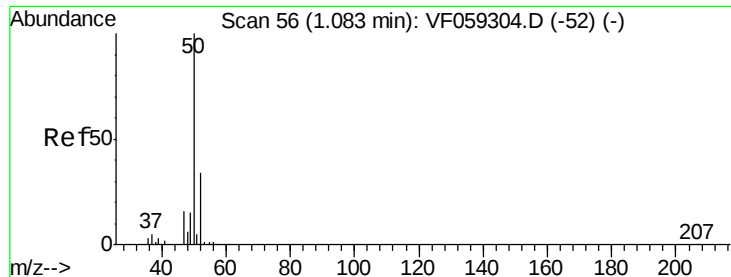
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 17.69 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

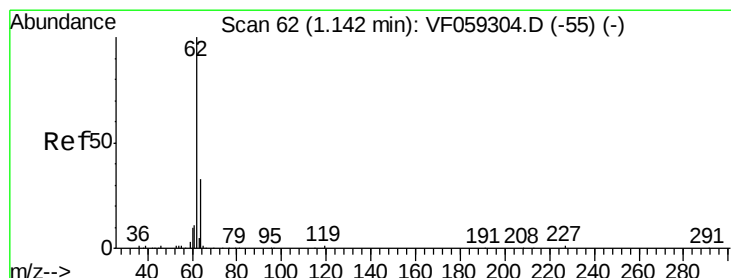
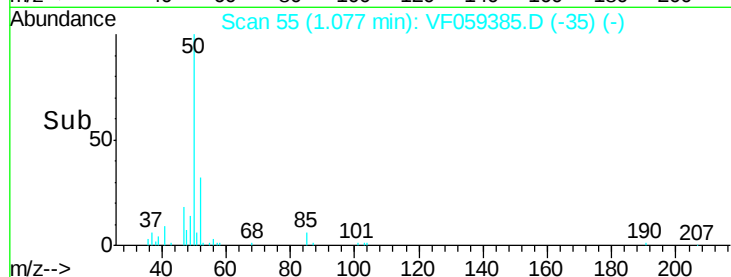
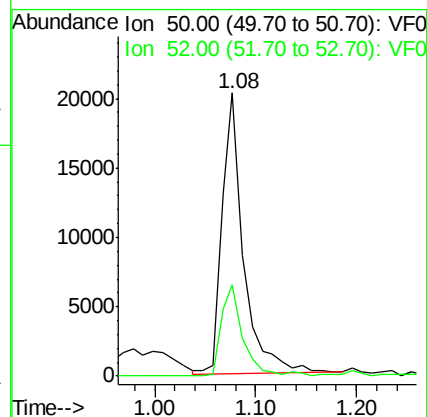
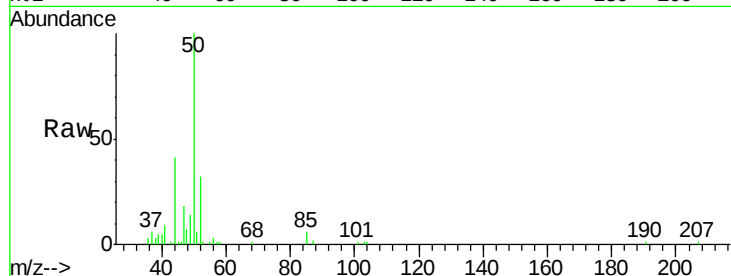
VF0702SBS01

Tot Ion: 50 Resp: 30317

Ion Ratio Lower Upper

50 100

52 32.2 26.7 40.1



#4

Vinyl Chloride

Concen: 20.82 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059385.D

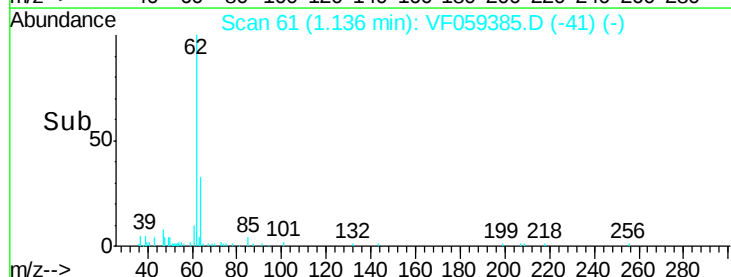
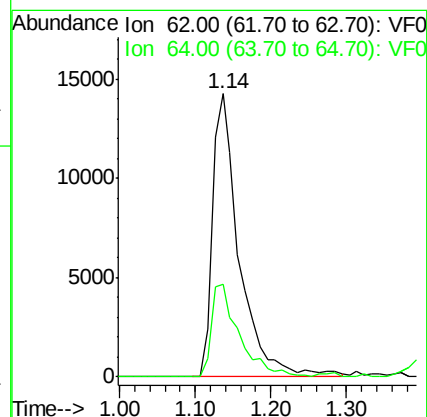
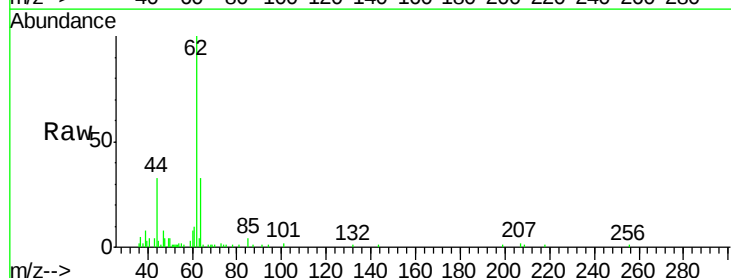
Acq: 2 Jul 2018 14:22

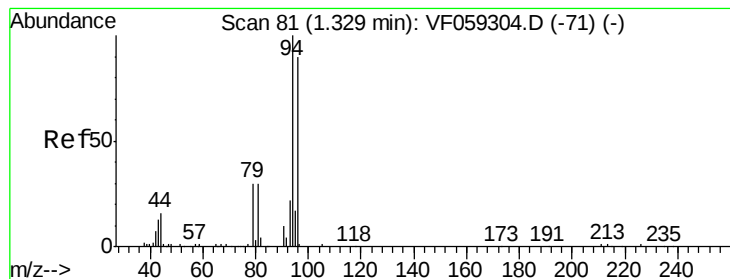
Tgt Ion: 62 Resp: 35119

Ion Ratio Lower Upper

62 100

64 32.6 26.3 39.5





#5

Bromomethane

Concen: 16.55 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

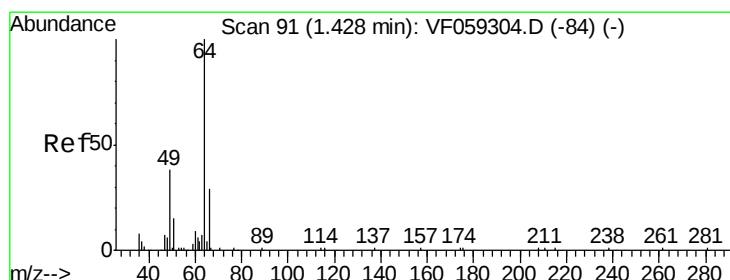
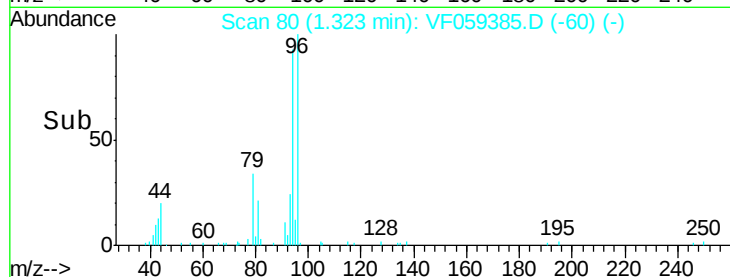
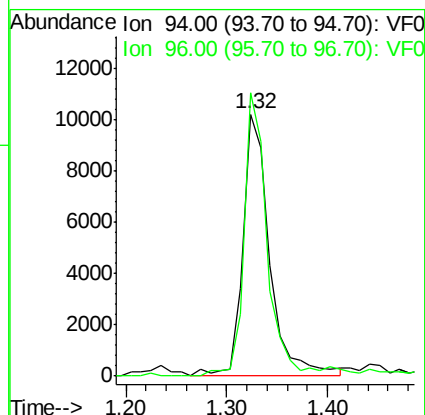
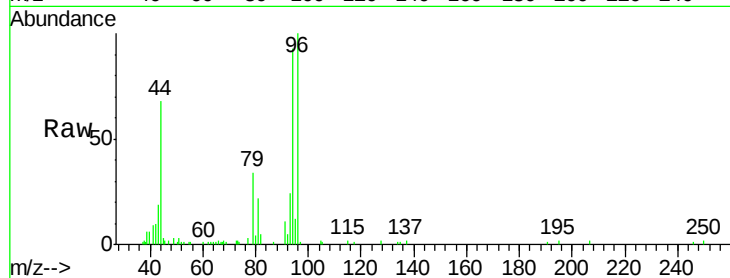
VF0702SBS01

Tot Ion: 94 Resp: 18930

Ion Ratio Lower Upper

94 100

96 108.1 73.4 110.0



#6

Chloroethane

Concen: 16.92 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.02 min

Lab File: VF059385.D

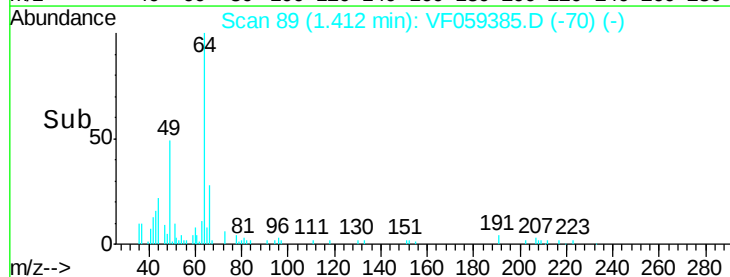
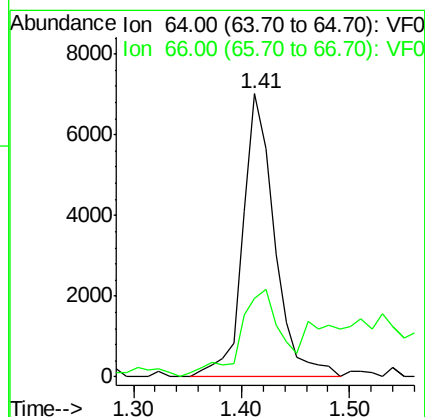
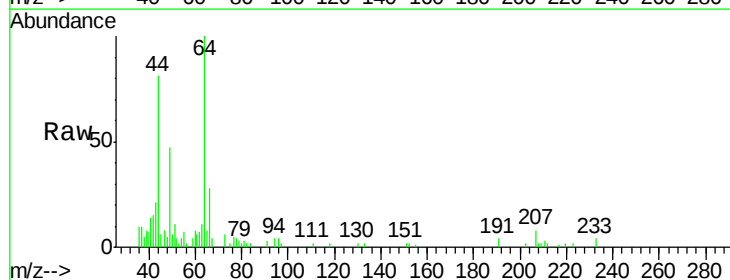
Acq: 2 Jul 2018 14:22

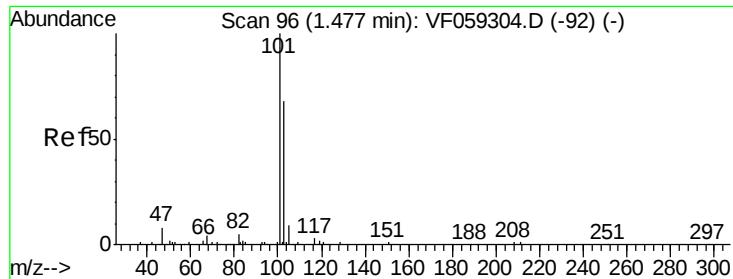
Tgt Ion: 64 Resp: 14376

Ion Ratio Lower Upper

64 100

66 27.8 23.9 35.9





#7

Trichlorofluoromethane

Concen: 5.84 ug/l

RT: 1.47 min Scan# 95

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

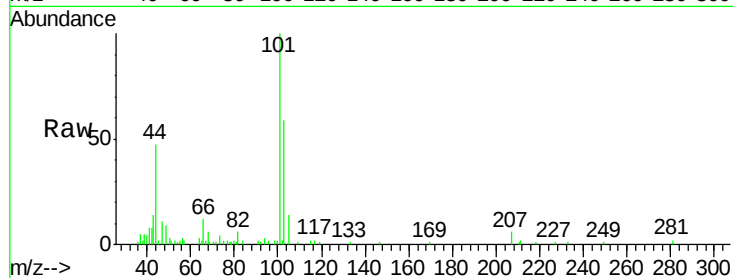
VF0702SBS01

Tot Ion:101 Resp: 19485

Ion Ratio Lower Upper

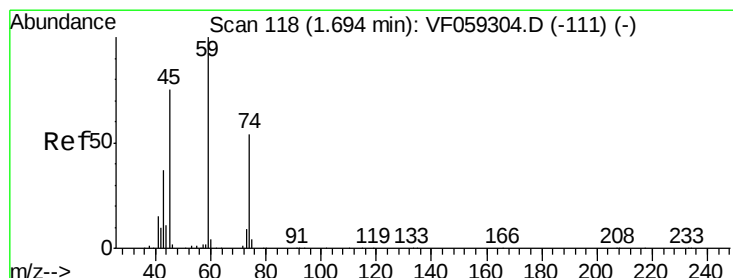
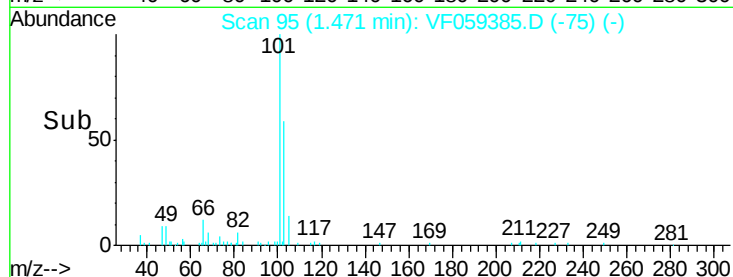
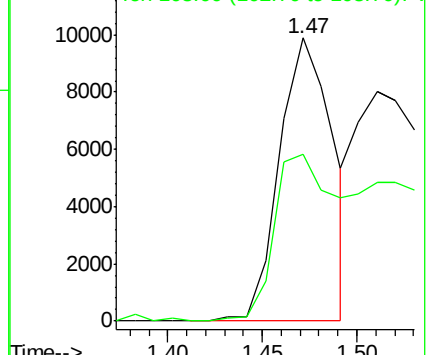
101 100

103 59.1 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: 20.35 ug/l

RT: 1.69 min Scan# 117

Delta R.T. -0.01 min

Lab File: VF059385.D

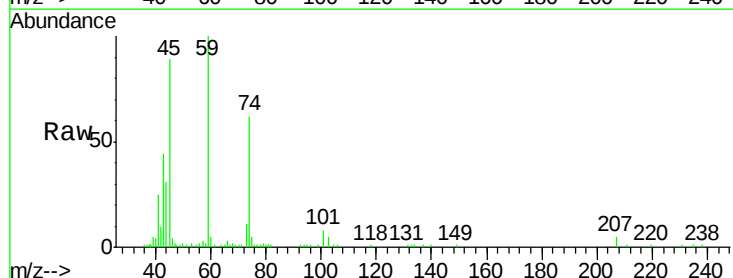
Acq: 2 Jul 2018 14:22

Tgt Ion: 74 Resp: 17406

Ion Ratio Lower Upper

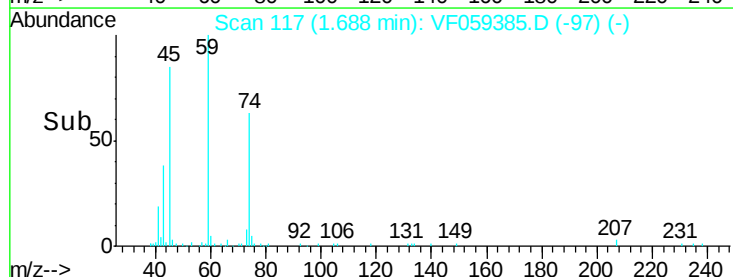
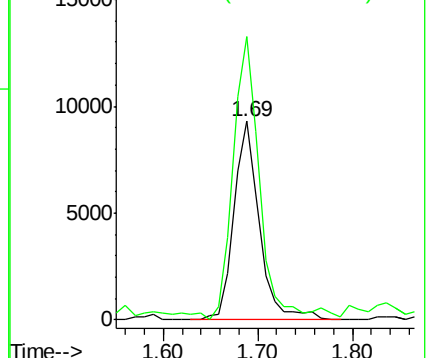
74 100

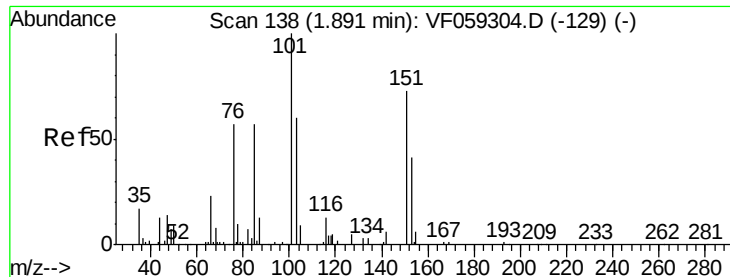
45 142.4 70.0 210.0



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: 19.75 ug/l

RT: 1.88 min Scan# 136

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

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ClientSampleId :

VF0702SBS01

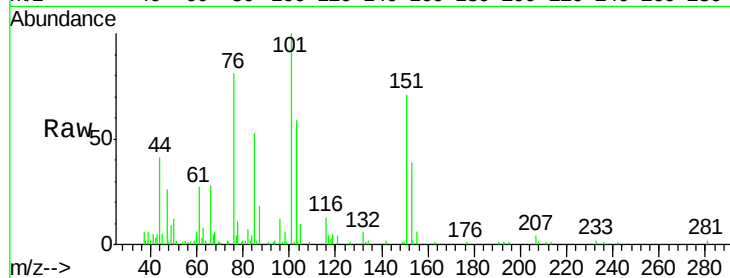
Tot Ion:101 Resp: 38450

Ion Ratio Lower Upper

101 100

85 52.8 44.5 66.7

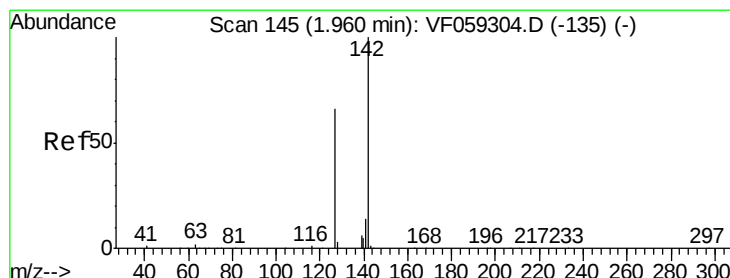
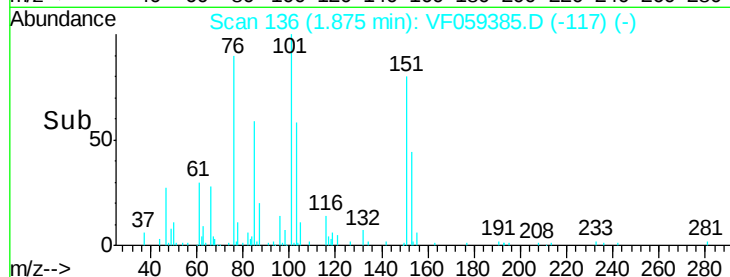
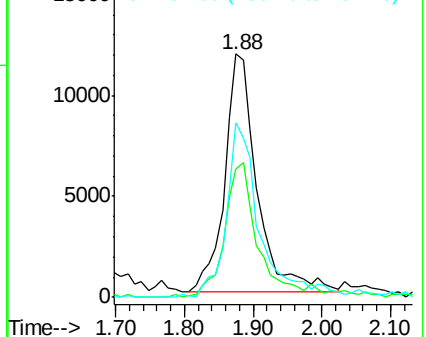
151 71.4 56.8 85.2



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: 17.84 ug/l

RT: 1.94 min Scan# 143

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

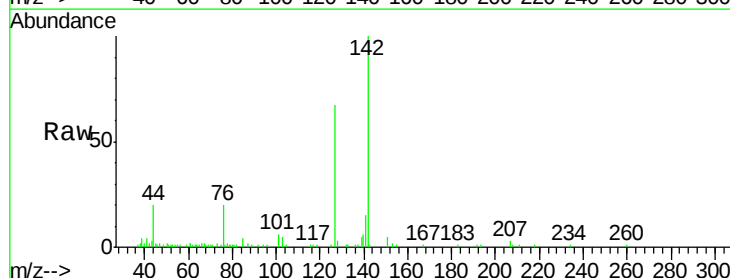
Tgt Ion:142 Resp: 63340

Ion Ratio Lower Upper

142 100

127 67.3 52.5 78.7

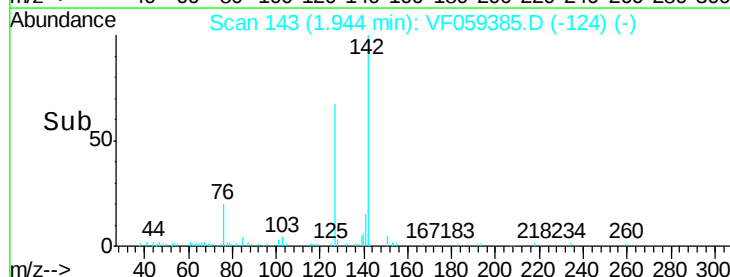
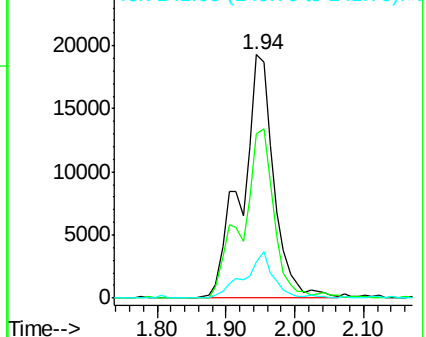
141 14.8 11.5 17.3

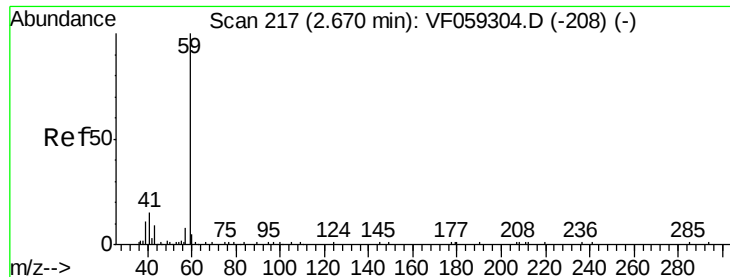


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



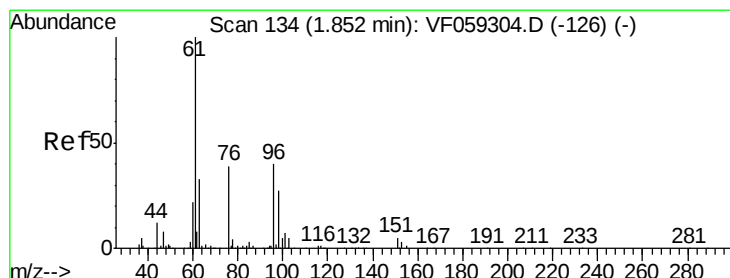
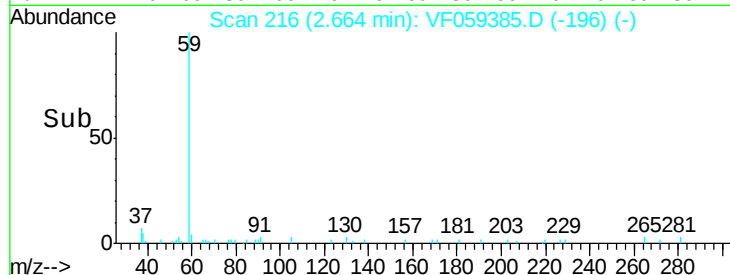
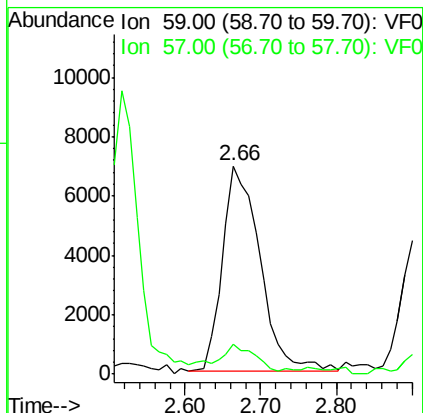
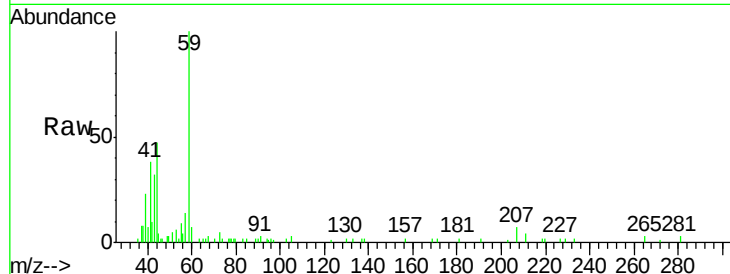


#11

Tert butyl alcohol
 Concen: 98.70 ug/l
 RT: 2.66 min Scan# 216
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0702SBS01

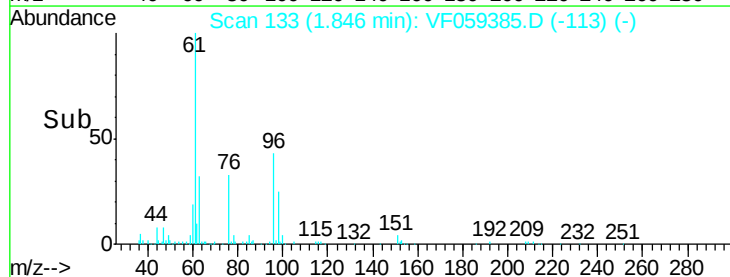
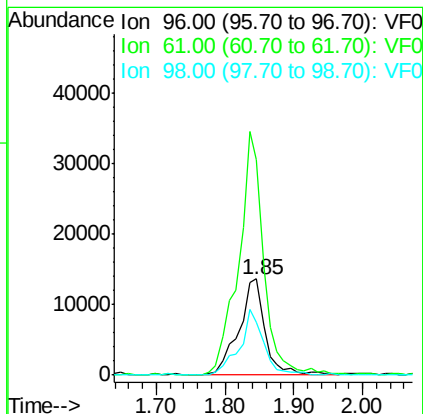
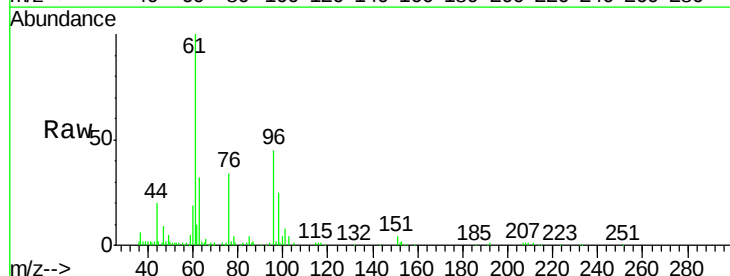
Tot Ion: 59 Resp: 23703
 Ion Ratio Lower Upper
 59 100
 57 14.1 11.0 16.4

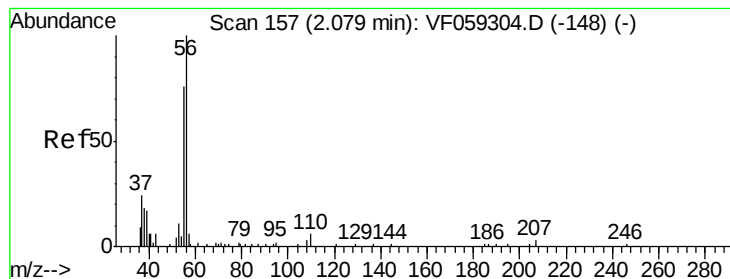


#12

1,1-Dichloroethene
 Concen: 21.55 ug/l
 RT: 1.85 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Tgt Ion: 96 Resp: 35466
 Ion Ratio Lower Upper
 96 100
 61 224.7 201.1 301.7
 98 55.6 53.9 80.9





#13

Acrolein

Concen: 101.44 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

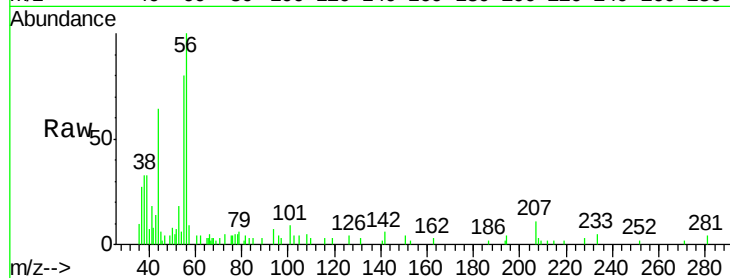
VF0702SBS01

Tot Ion: 56 Resp: 12931

Ion Ratio Lower Upper

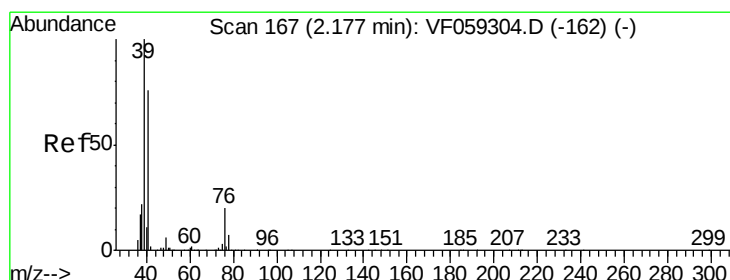
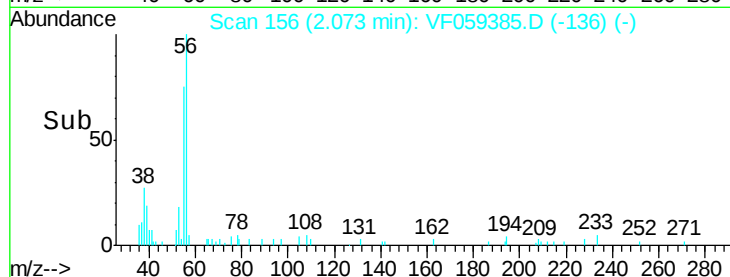
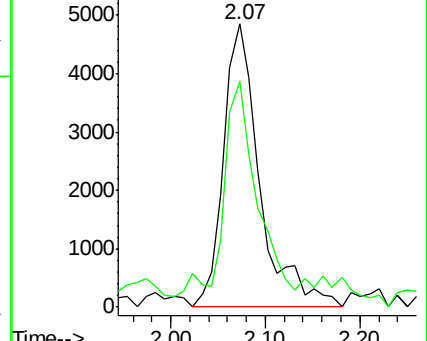
56 100

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: 19.65 ug/l

RT: 2.17 min Scan# 166

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

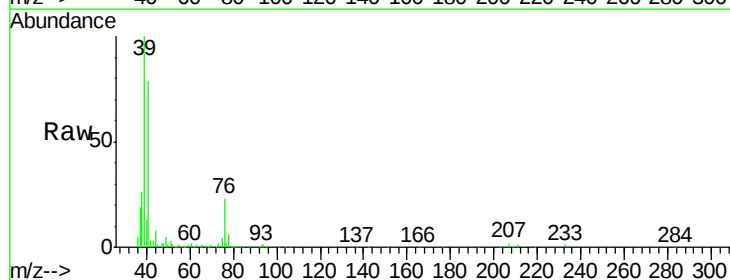
Tgt Ion: 41 Resp: 60712

Ion Ratio Lower Upper

41 100

39 126.3 105.6 158.4

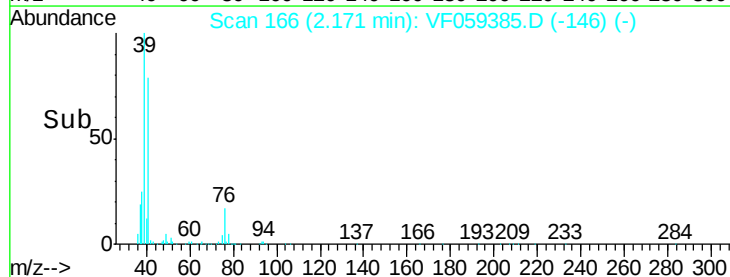
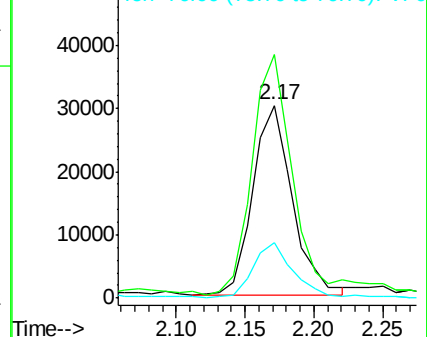
76 28.6 21.6 32.4

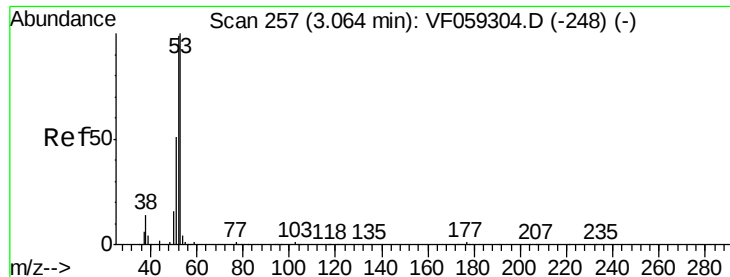


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 119.23 ug/l

RT: 3.05 min Scan# 255

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

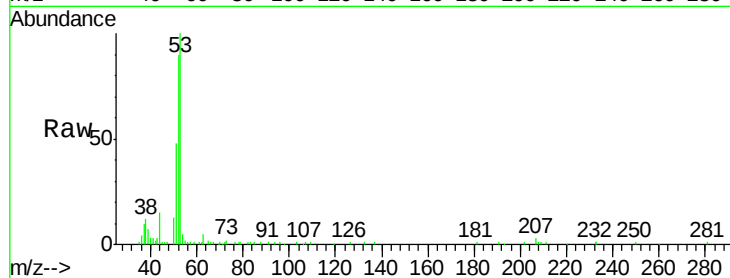
Tot Ion: 53 Resp: 50421

Ion Ratio Lower Upper

53 100

52 89.8 79.2 118.8

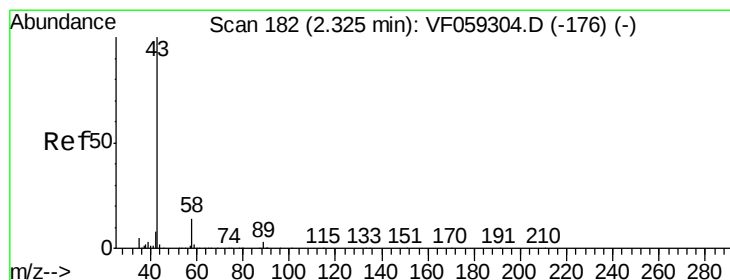
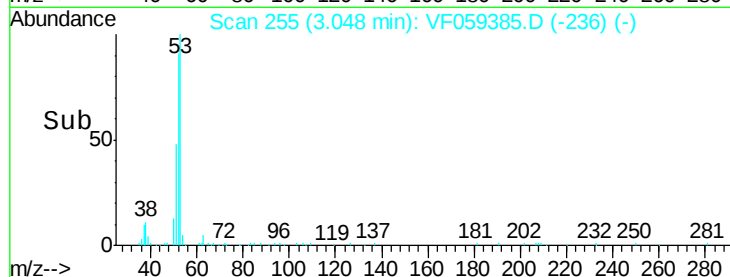
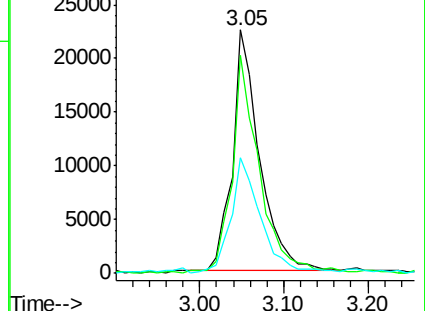
51 47.6 40.9 61.3



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: 116.40 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF059385.D

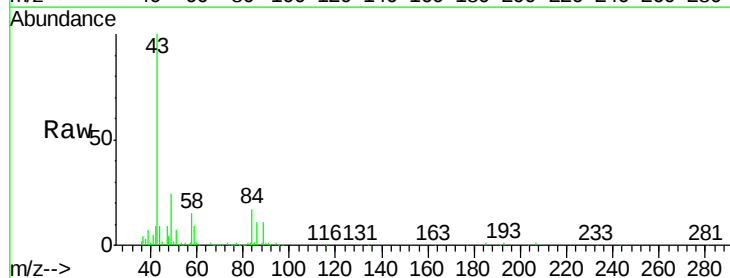
Acq: 2 Jul 2018 14:22

Tgt Ion: 43 Resp: 109771

Ion Ratio Lower Upper

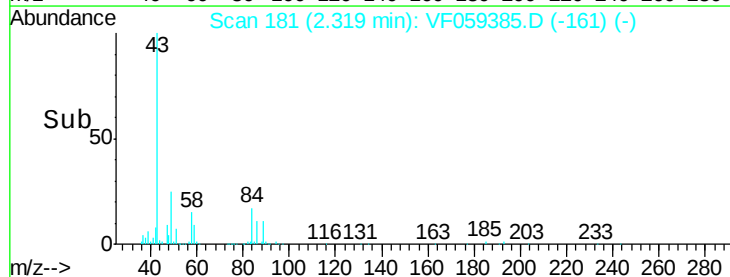
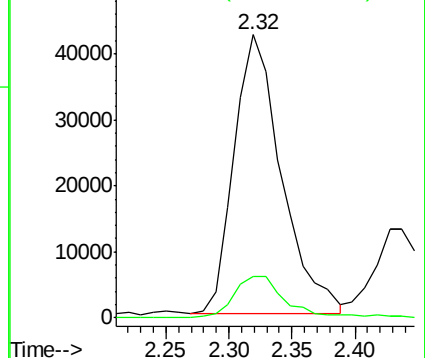
43 100

58 14.8 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

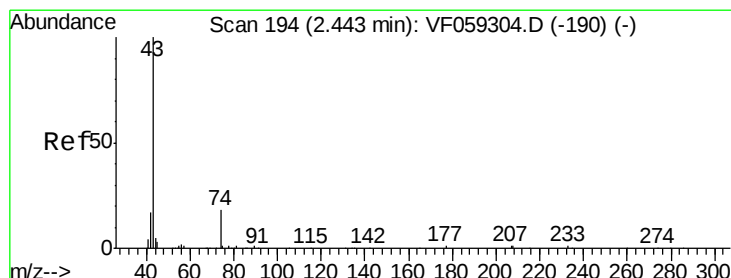
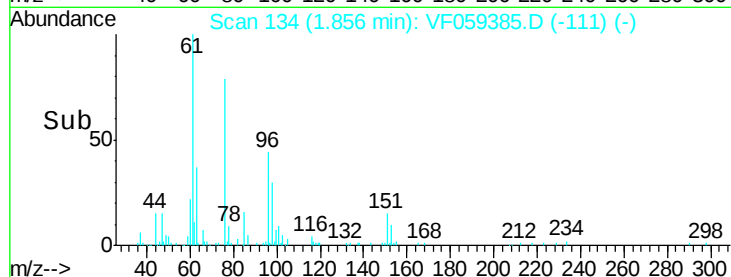
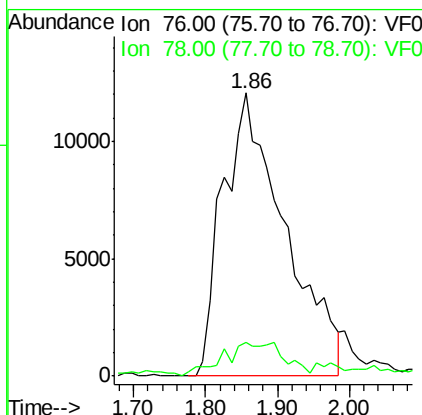
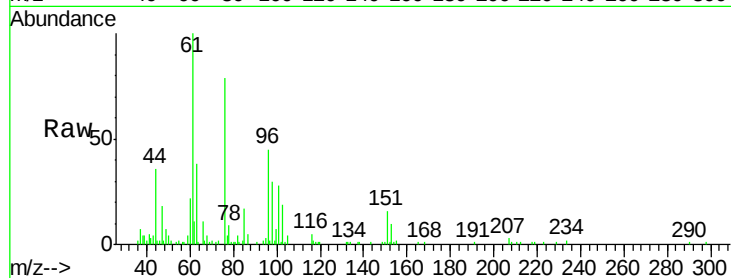




#17
Carbon Disulfide
Concen: 18.63 ug/l
RT: 1.86 min Scan# 134
Delta R.T. 0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

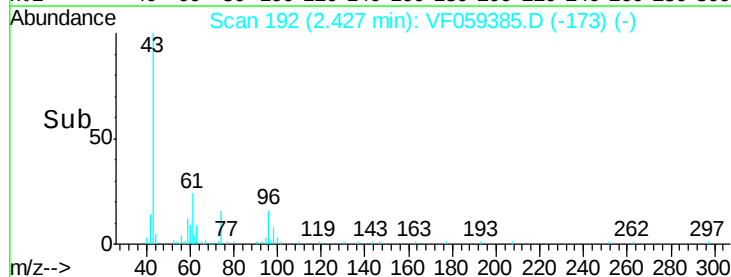
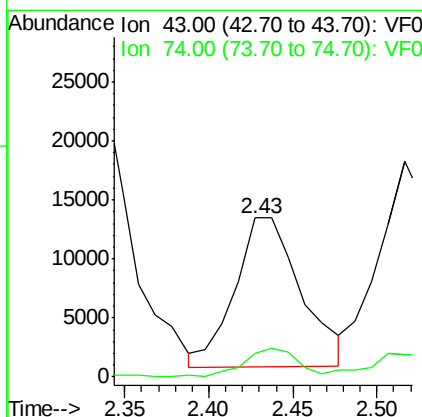
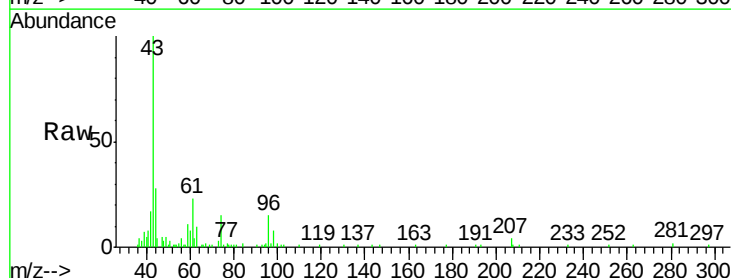
Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

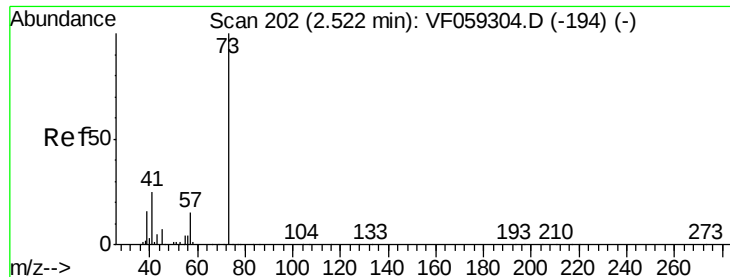
Tot Ion: 76 Resp: 72122
Ion Ratio Lower Upper
76 100
78 11.8 8.9 13.3



#18
Methyl Acetate
Concen: 20.46 ug/l
RT: 2.43 min Scan# 192
Delta R.T. -0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion: 43 Resp: 34430
Ion Ratio Lower Upper
43 100
74 15.1 13.3 19.9





#19

Methyl tert-butyl Ether

Concen: 21.30 ug/l

RT: 2.52 min Scan# 201

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

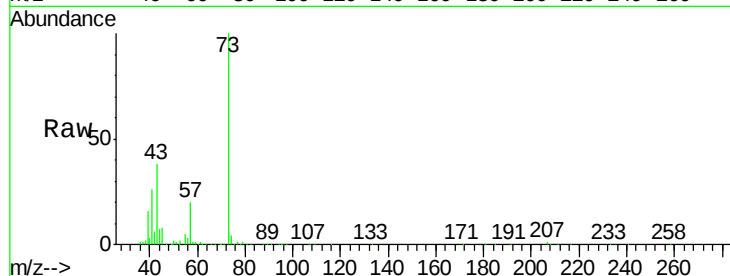
VF0702SBS01

Tot Ion: 73 Resp: 130799

Ion Ratio Lower Upper

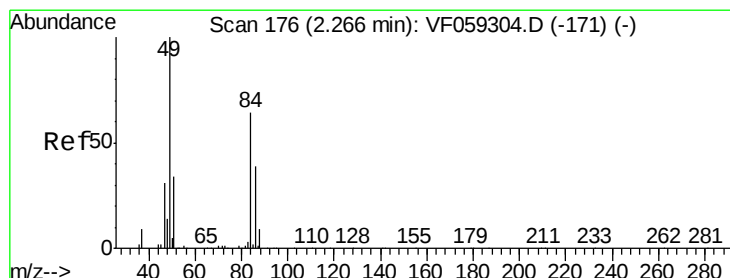
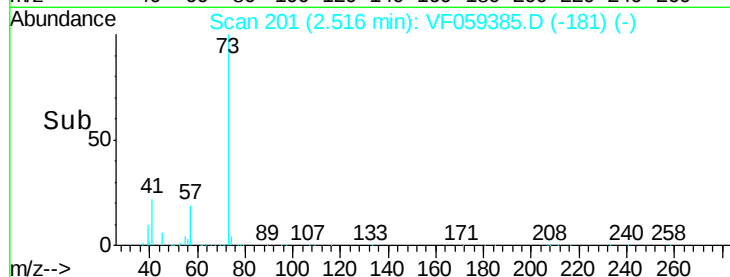
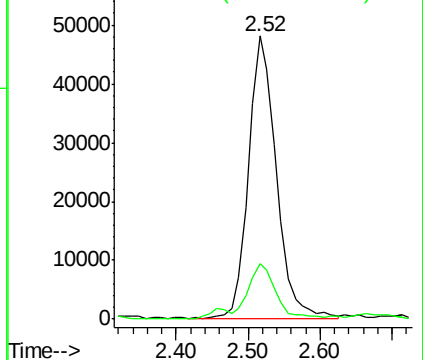
73 100

57 19.8 12.3 18.5#



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



#20

Methylene Chloride

Concen: 4.49 ug/l

RT: 2.26 min Scan# 175

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Tgt Ion: 84 Resp: 22686

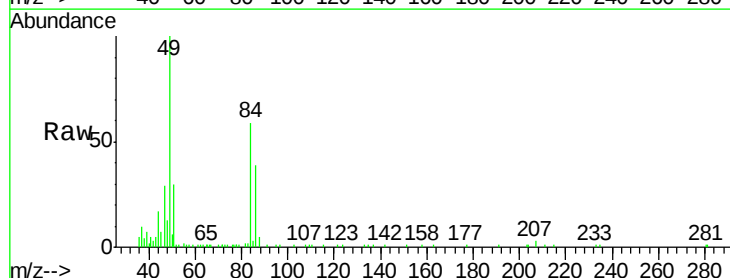
Ion Ratio Lower Upper

84 100

49 170.0 126.5 189.7

51 51.4 42.9 64.3

86 66.7 48.6 73.0

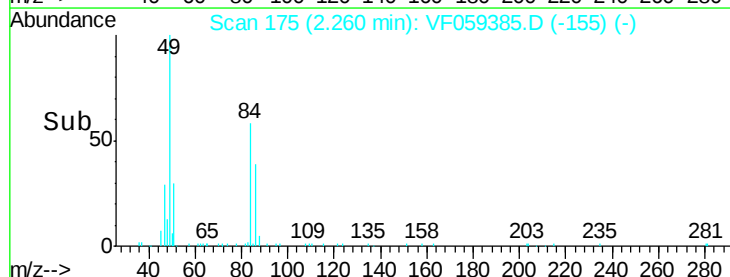
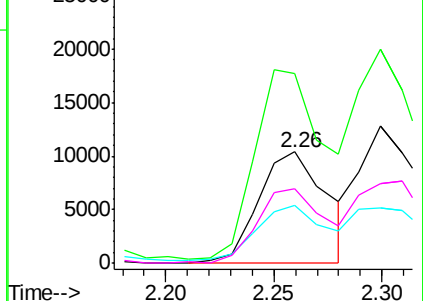


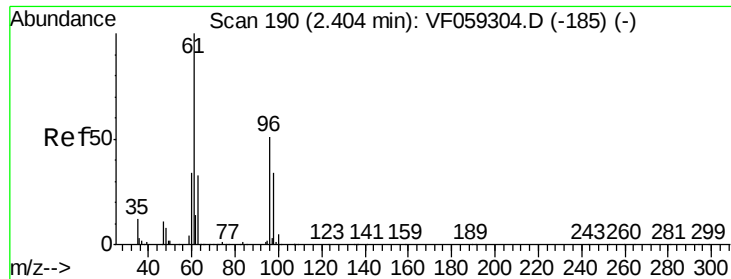
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#21

trans-1,2-Dichloroethene

Concen: 21.42 ug/l

RT: 2.39 min Scan# 188

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

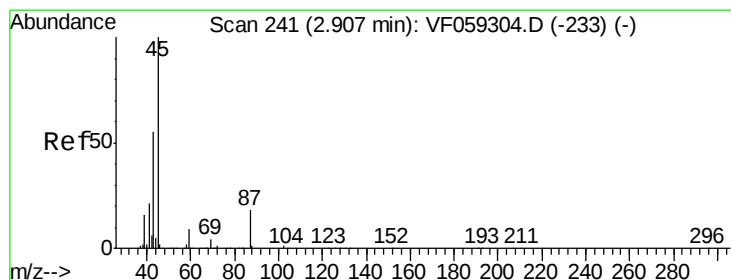
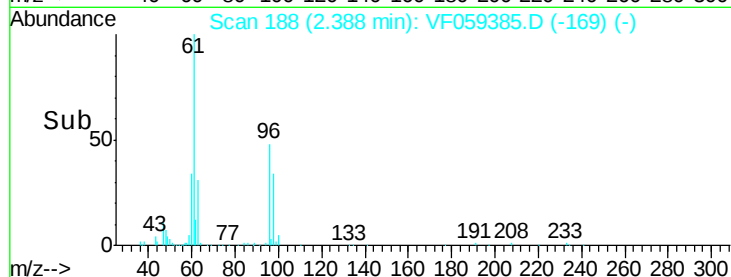
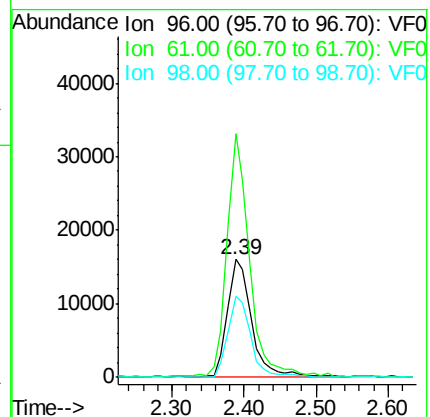
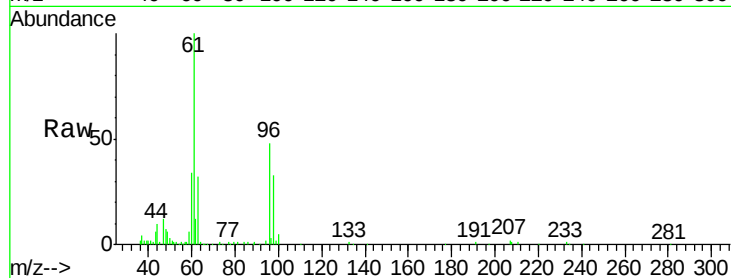
Tot Ion: 96 Resp: 37605

Ion Ratio Lower Upper

96 100

61 206.7 157.4 236.2

98 69.0 53.7 80.5



#22

Diisopropyl ether

Concen: 20.62 ug/l

RT: 2.90 min Scan# 240

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Tgt Ion: 45 Resp: 141084

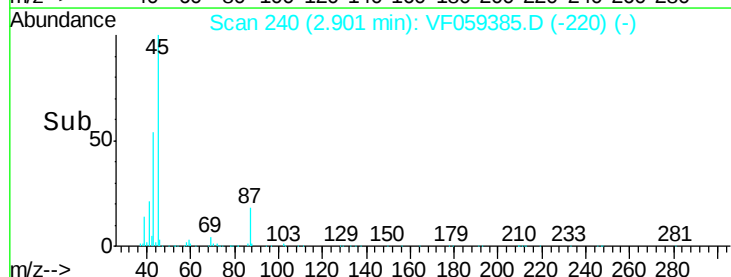
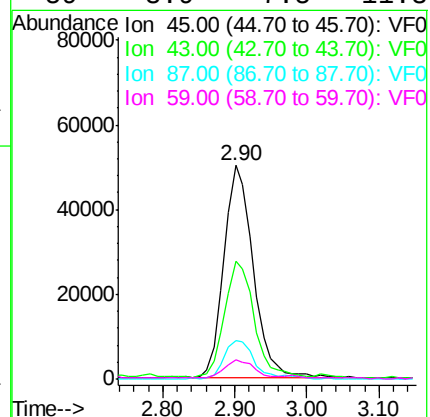
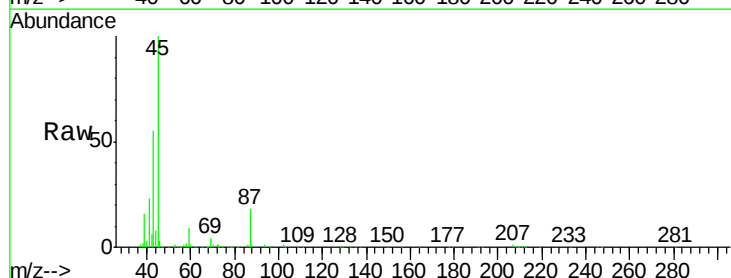
Ion Ratio Lower Upper

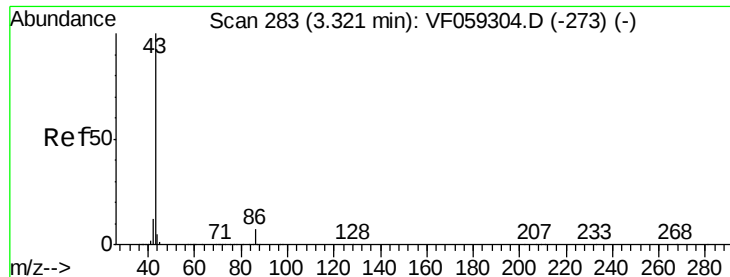
45 100

43 54.9 44.6 66.8

87 17.9 14.3 21.5

59 8.9 7.5 11.3





#23

Vinyl Acetate

Concen: 110.13 ug/l

RT: 3.30 min Scan# 281

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

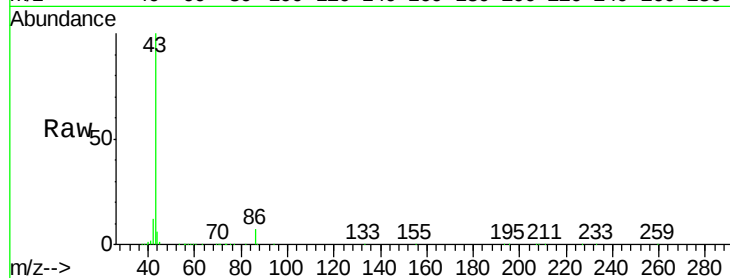
VF0702SBS01

Tot Ion: 43 Resp: 479915

Ion Ratio Lower Upper

43 100

86 7.4 5.8 8.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.30

200000

150000

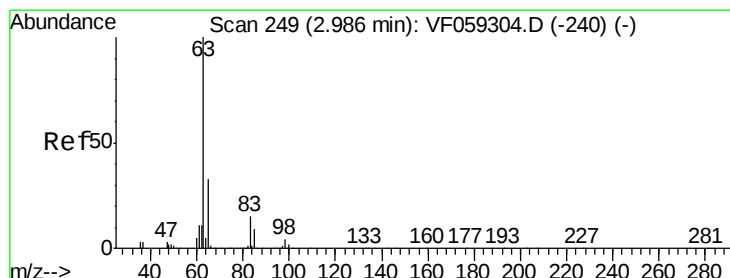
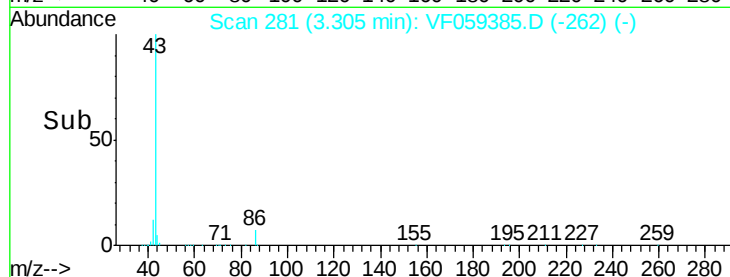
100000

50000

0

Time-->

3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 21.00 ug/l

RT: 2.98 min Scan# 248

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

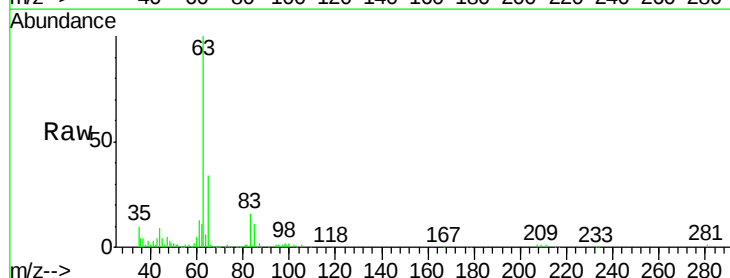
Tgt Ion: 63 Resp: 89100

Ion Ratio Lower Upper

63 100

98 3.2 2.0 6.0

100 1.9 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

40000

30000

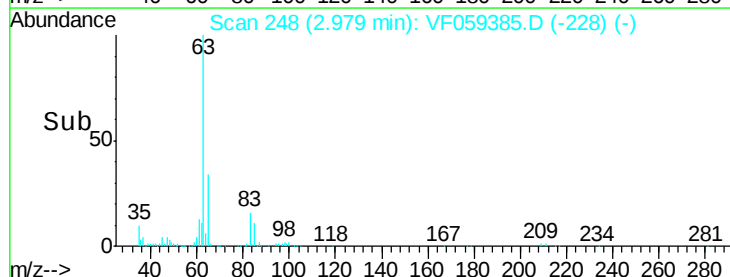
20000

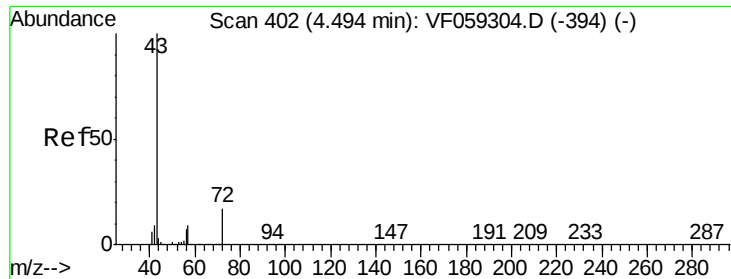
10000

0

Time-->

2.80 2.90 3.00 3.10 3.20





#25

2-Butanone

Concen: 118.17 ug/l

RT: 4.48 min Scan# 400

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

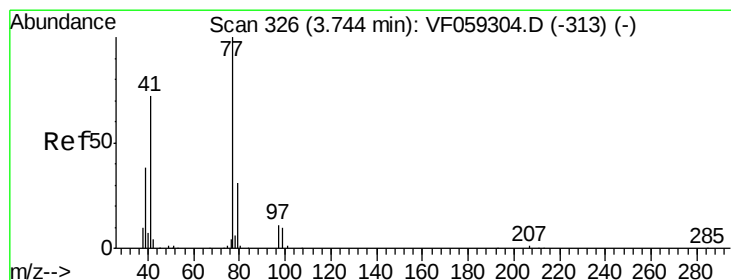
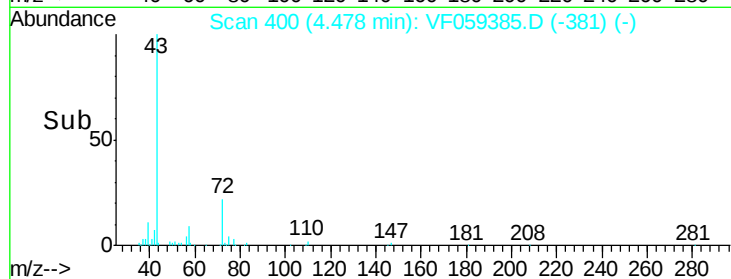
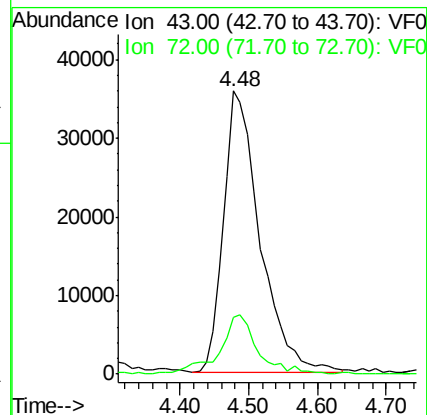
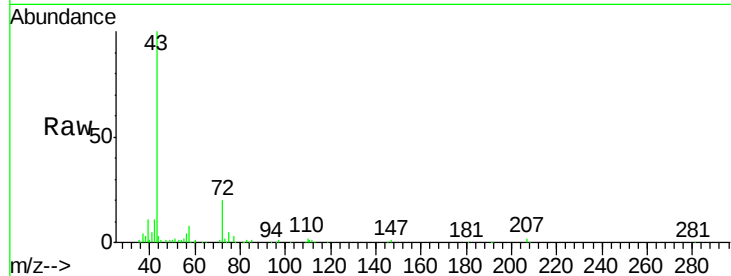
VF0702SBS01

Tot Ion: 43 Resp: 130526

Ion Ratio Lower Upper

43 100

72 20.1 14.4 21.6



#26

2,2-Dichloropropane

Concen: 20.85 ug/l

RT: 3.73 min Scan# 324

Delta R.T. -0.02 min

Lab File: VF059385.D

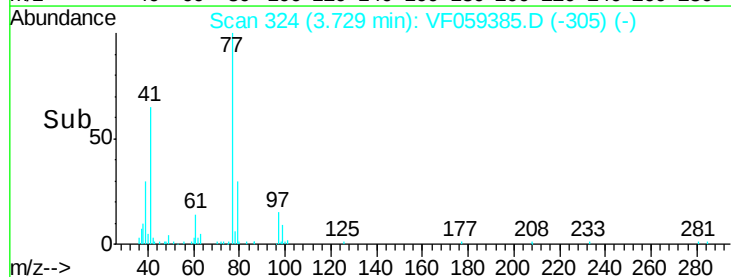
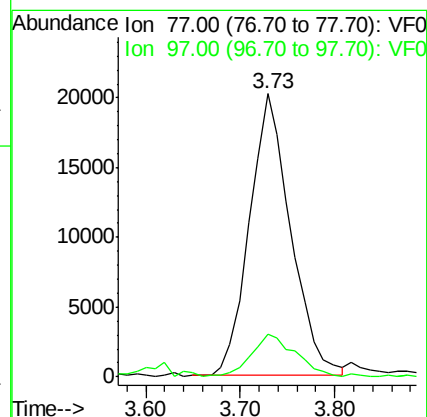
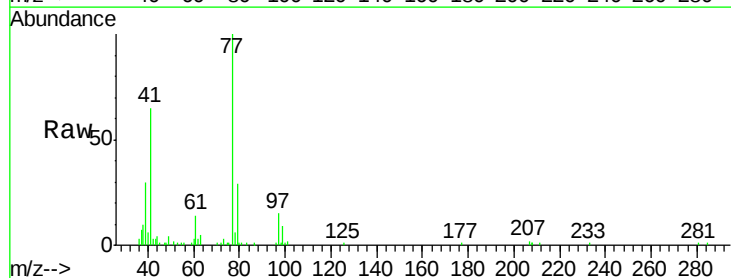
Acq: 2 Jul 2018 14:22

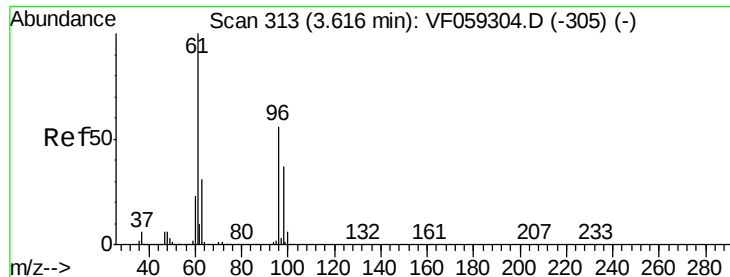
Tgt Ion: 77 Resp: 60995

Ion Ratio Lower Upper

77 100

97 15.2 8.0 23.8



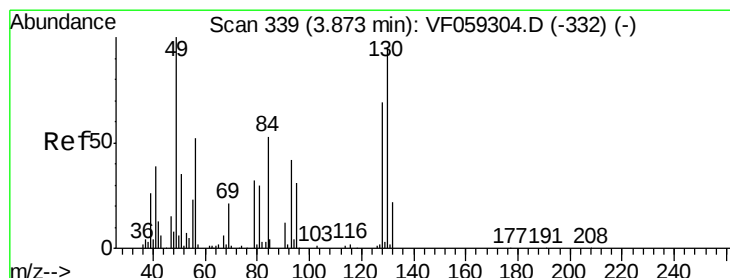
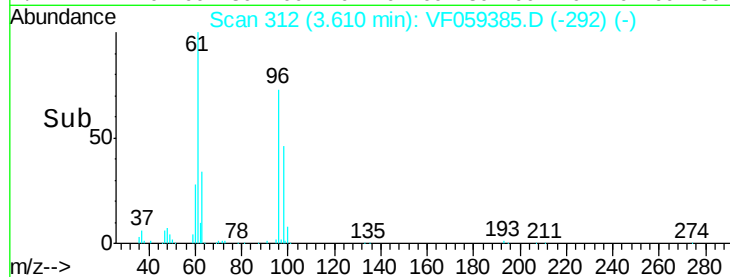
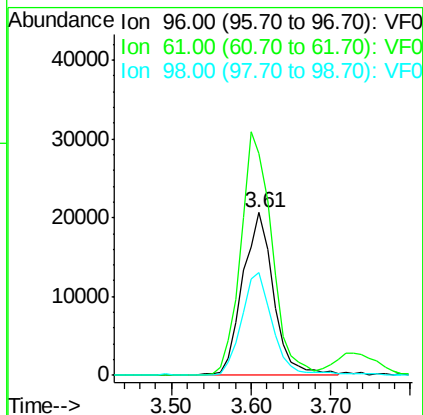
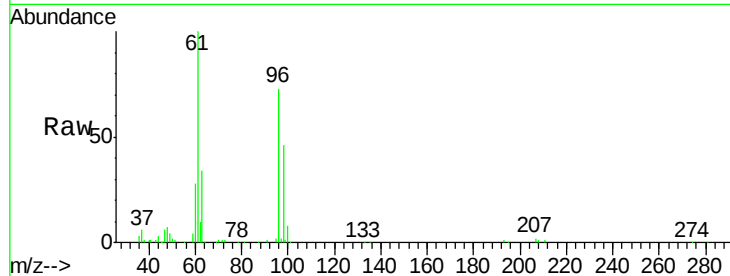


#27

cis-1,2-Dichloroethene
 Concen: 20.80 ug/l
 RT: 3.61 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

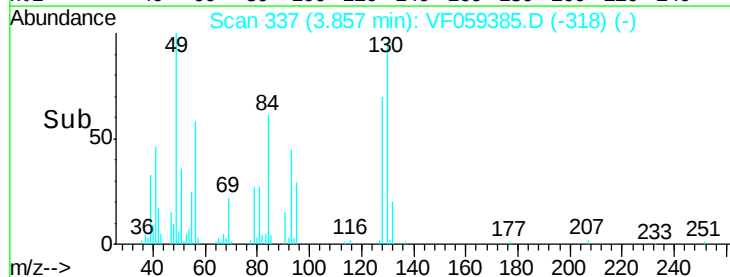
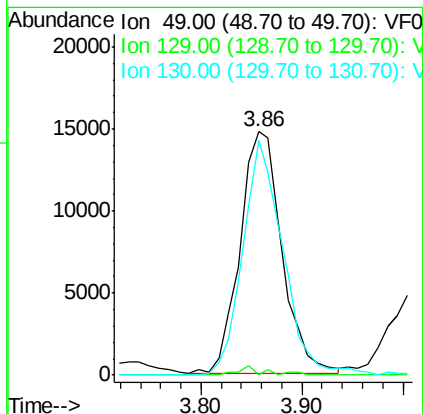
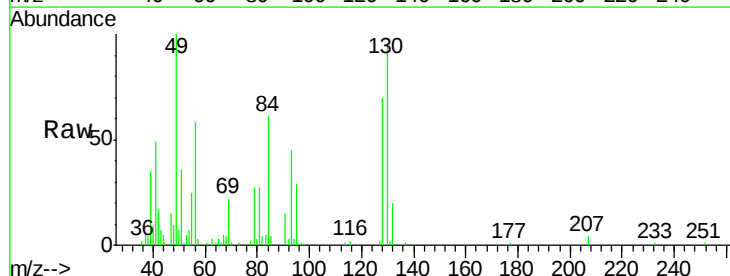
Tot Ion	96	Resp	55458
Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	355.4
98	63.3	0.0	131.0

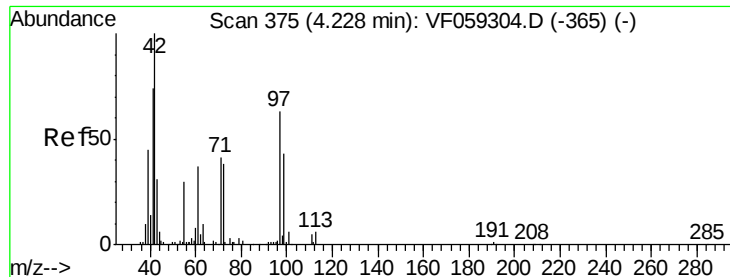


#28

Bromochloromethane
 Concen: 23.76 ug/l
 RT: 3.86 min Scan# 337
 Delta R.T. -0.02 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Tgt Ion	49	Resp	42345
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	96.4	75.1	112.7





#29

Tetrahydrofuran

Concen: 117.39 ug/l

RT: 4.23 min Scan# 375

Delta R.T. 0.00 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

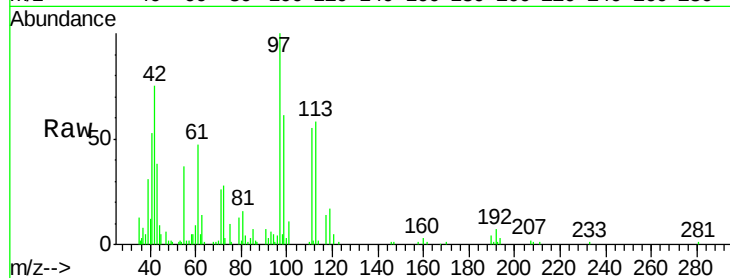
Tot Ion: 42 Resp: 56643

Ion Ratio Lower Upper

42 100

72 37.2 30.5 45.7

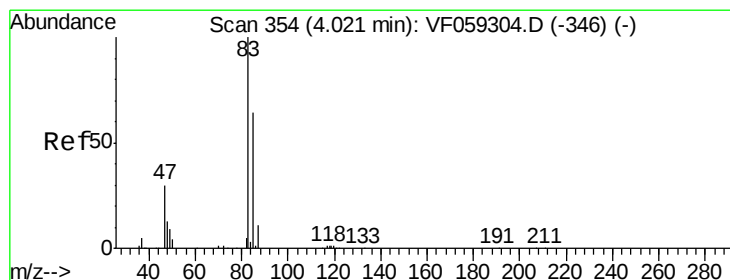
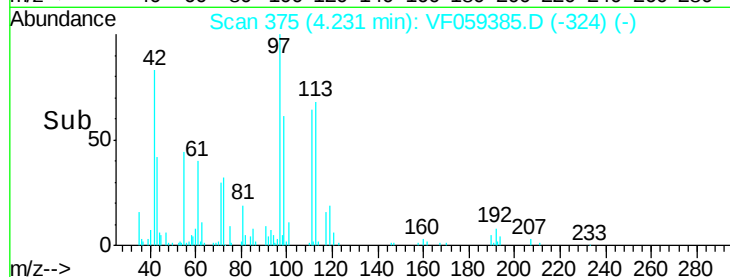
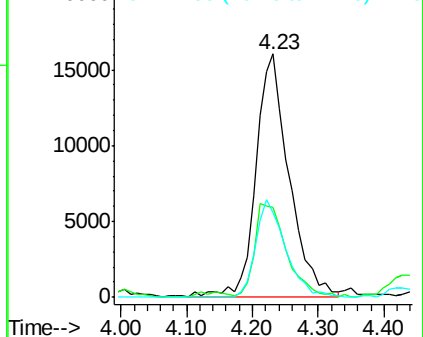
71 36.1 32.5 48.7



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: 20.88 ug/l

RT: 4.00 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF059385.D

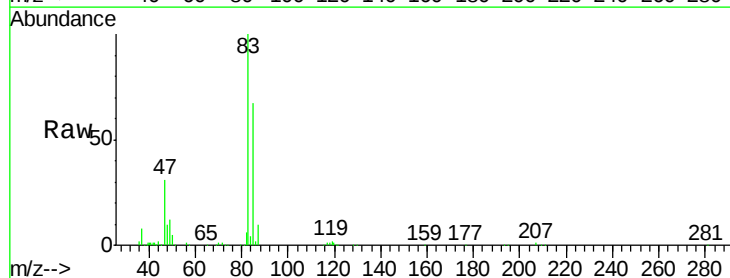
Acq: 2 Jul 2018 14:22

Tgt Ion: 83 Resp: 128227

Ion Ratio Lower Upper

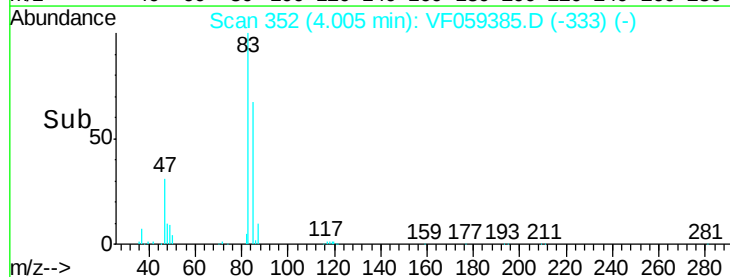
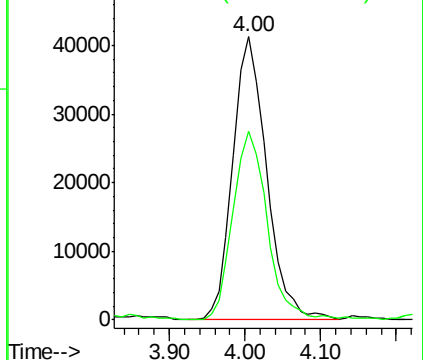
83 100

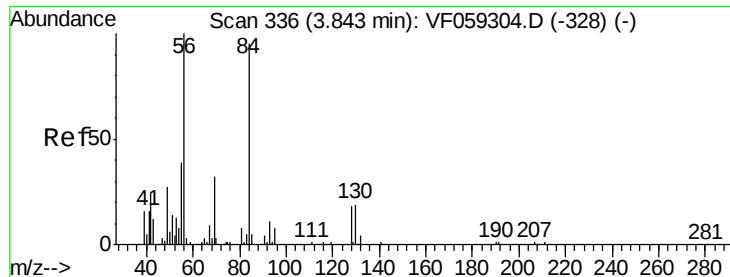
85 66.8 51.3 76.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 20.35 ug/l

RT: 3.84 min Scan# 335

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

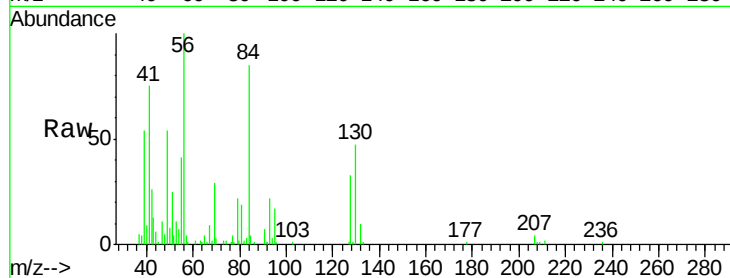
Tot Ion: 56 Resp: 56546

Ion Ratio Lower Upper

56 100

69 28.6 25.8 38.8

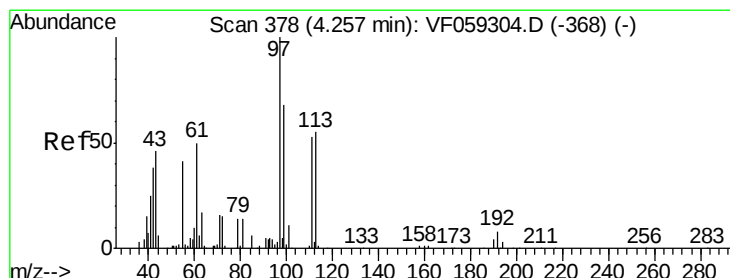
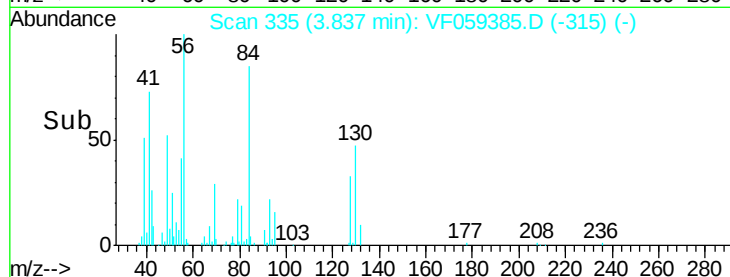
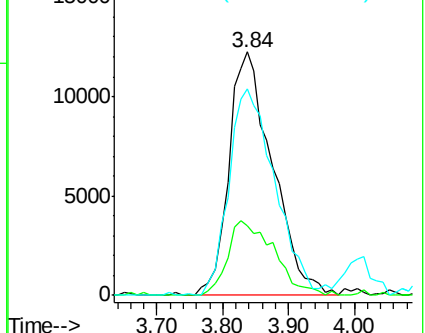
84 84.6 75.6 113.4



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: 20.52 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

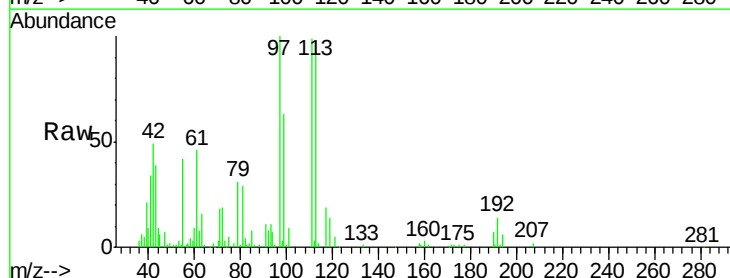
Tgt Ion: 97 Resp: 92215

Ion Ratio Lower Upper

97 100

99 62.9 54.1 81.1

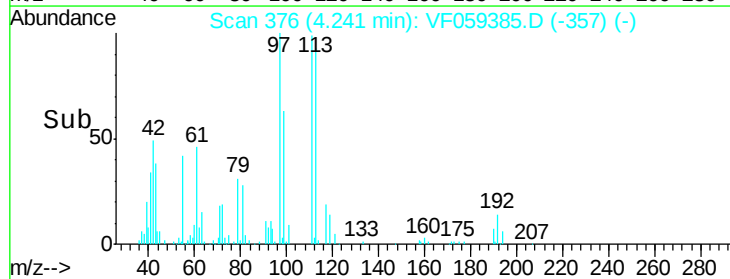
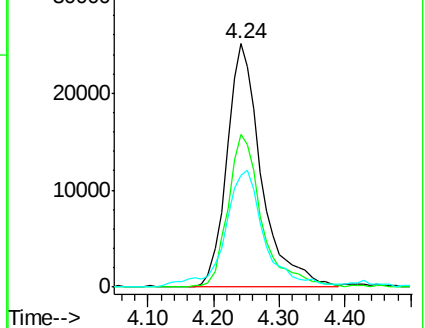
61 45.9 41.2 61.8

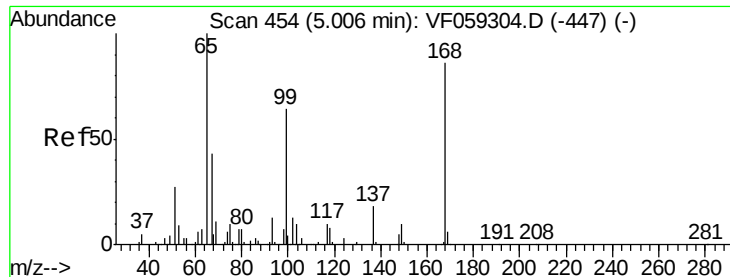


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 45.57 ug/l

RT: 4.99 min Scan# 452

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

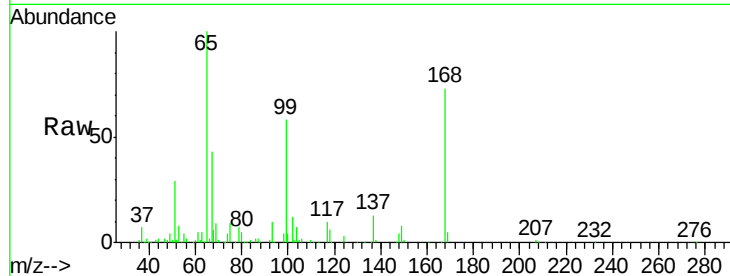
VF0702SBS01

Tot Ion: 65 Resp: 164379

Ion Ratio Lower Upper

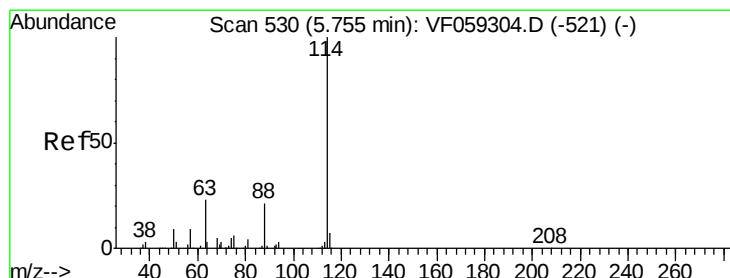
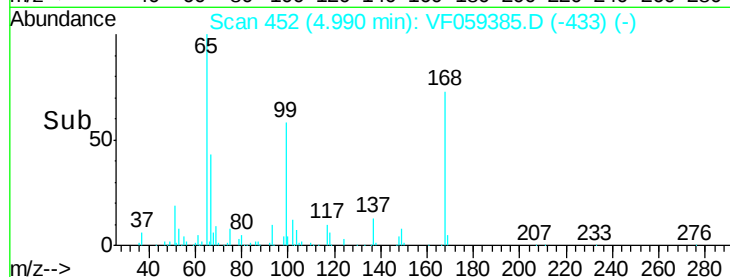
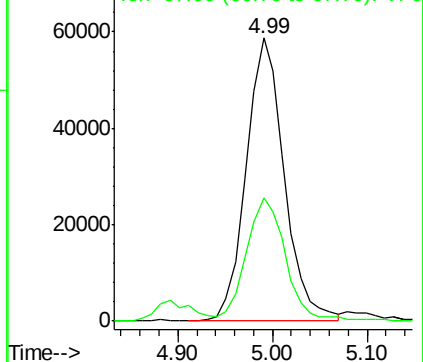
65 100

67 43.5 0.0 96.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.74 min Scan# 528

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

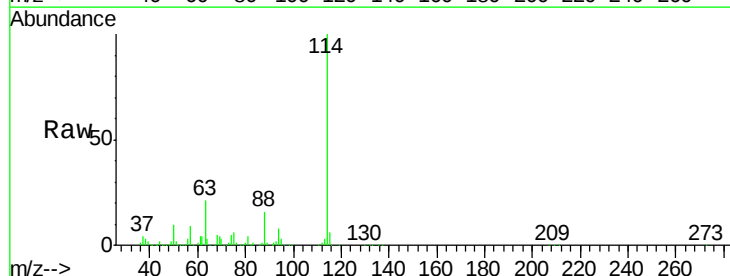
Tgt Ion: 114 Resp: 421035

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.8

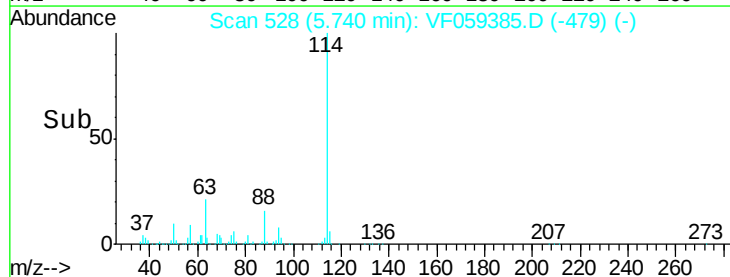
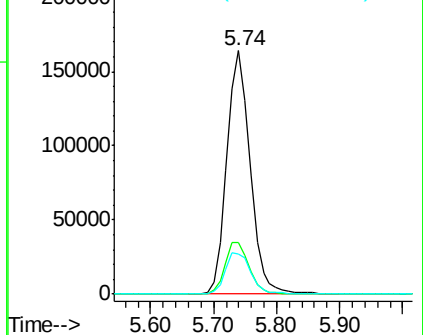
88 16.2 0.0 41.2

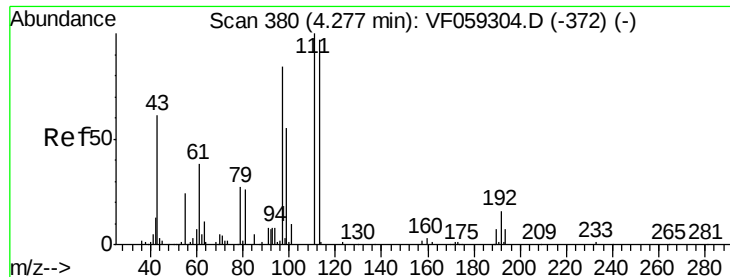


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

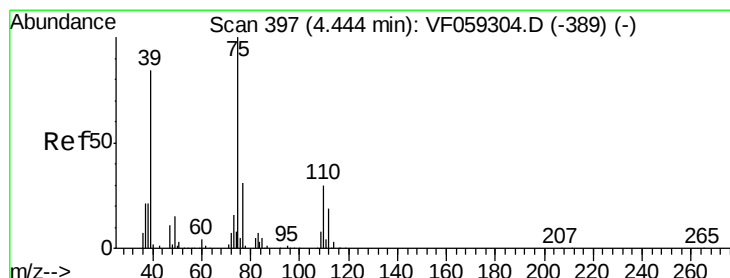
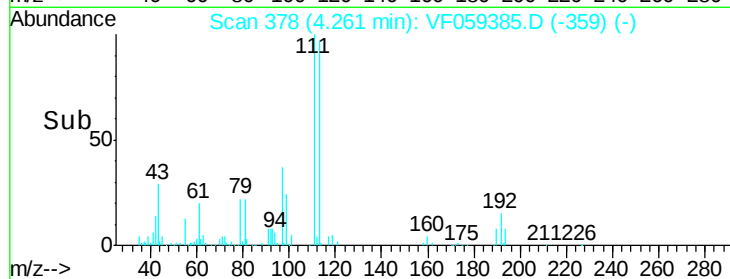
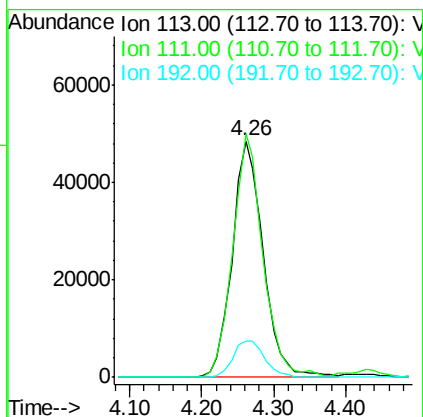
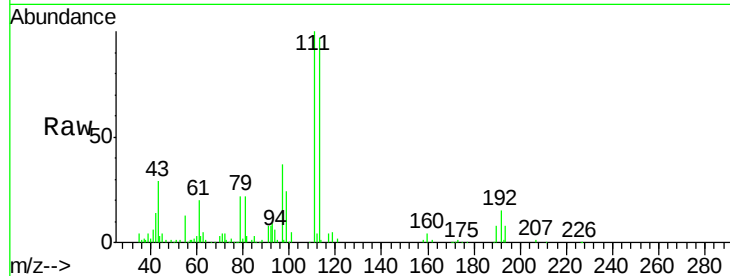




#35
 Dibromofluoromethane
 Concen: 47.35 ug/l
 RT: 4.26 min Scan# 378
 Delta R.T. -0.02 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

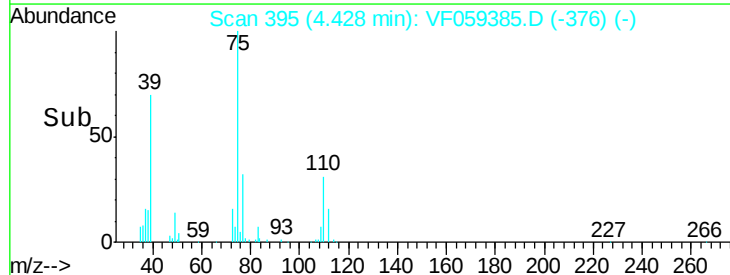
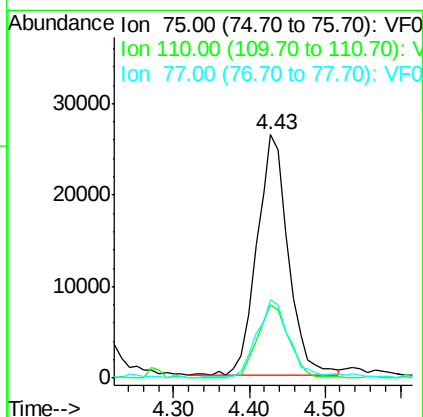
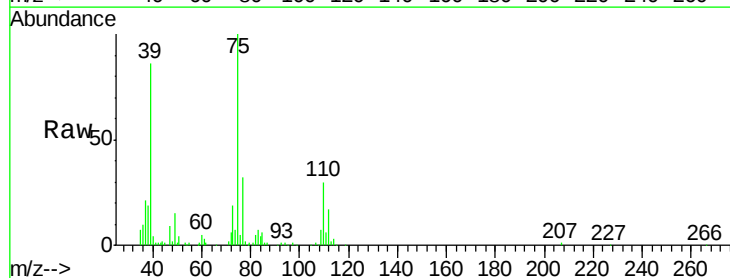
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

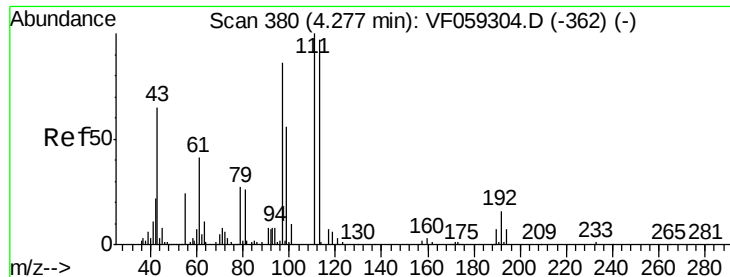
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.1	123.1
192	15.4	13.0	19.6



#36
 1,1-Dichloropropene
 Concen: 20.60 ug/l
 RT: 4.43 min Scan# 395
 Delta R.T. -0.02 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.0	14.8	44.4
77	32.4	25.2	37.8

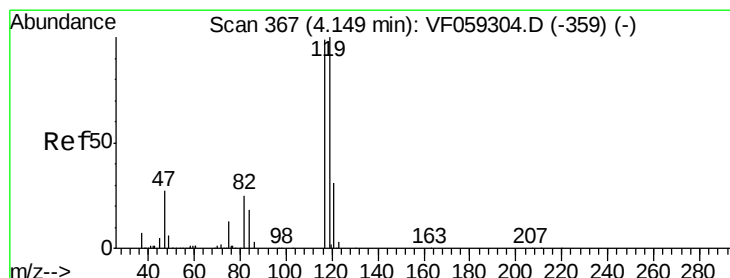
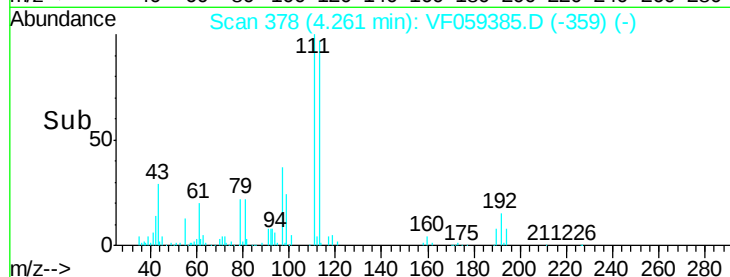
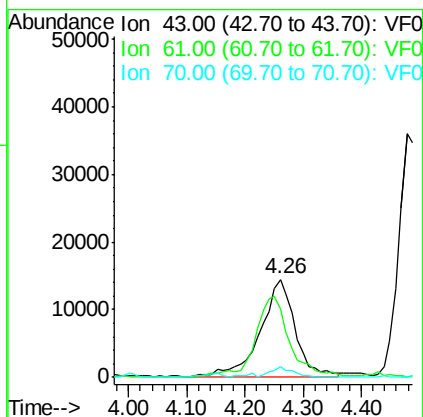
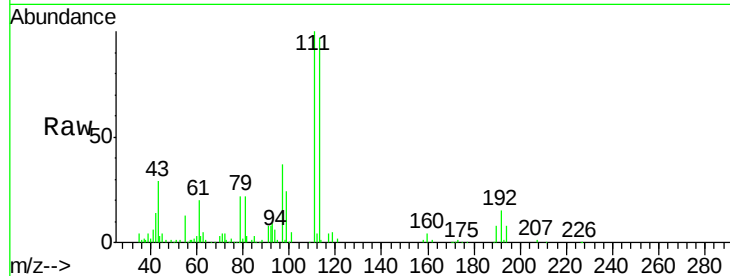




#37
Ethyl Acetate
Concen: 24.41 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

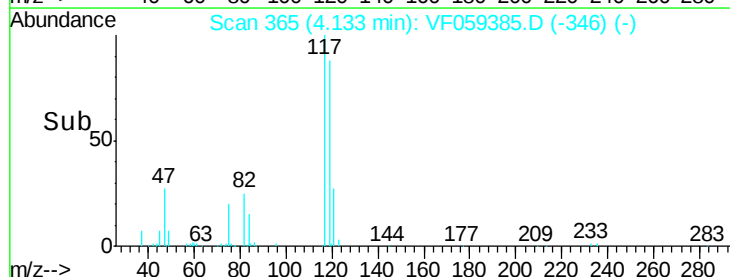
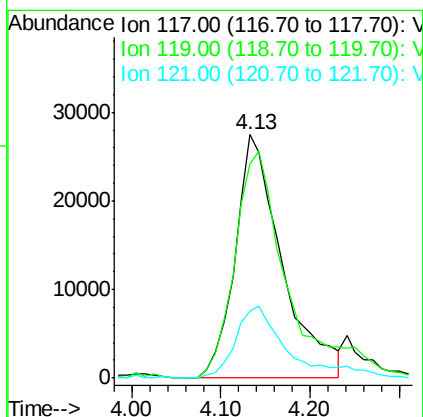
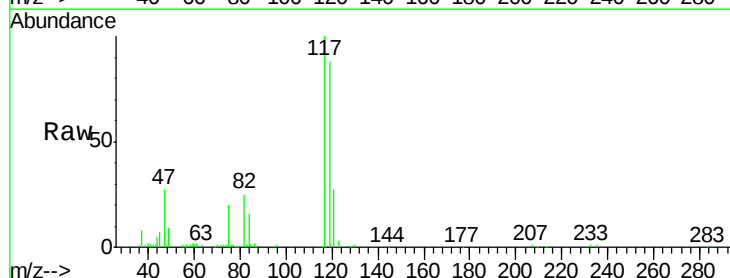
Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

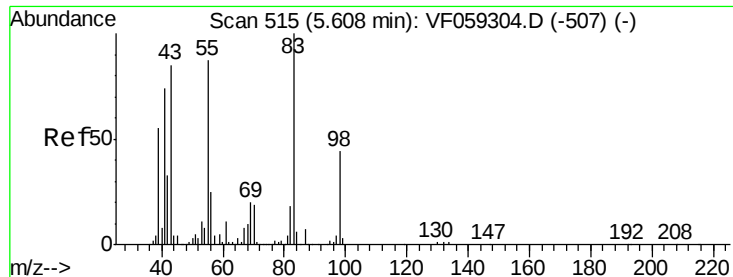
Tot Ion: 43 Resp: 59207
Ion Ratio Lower Upper
43 100
61 70.0 50.1 75.1
70 10.5 6.2 9.4#



#38
Carbon Tetrachloride
Concen: 21.65 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion: 117 Resp: 100487
Ion Ratio Lower Upper
117 100
119 87.8 81.0 121.4
121 27.4 24.7 37.1

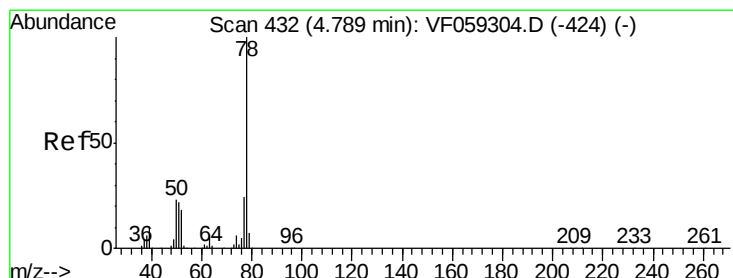
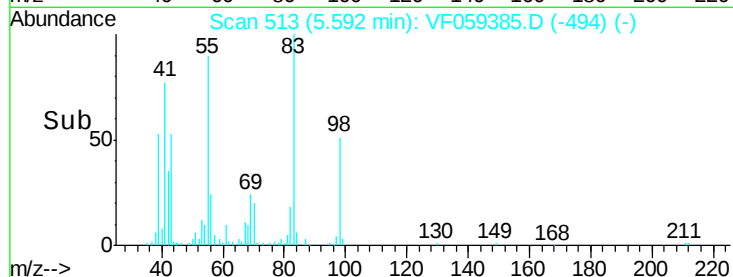
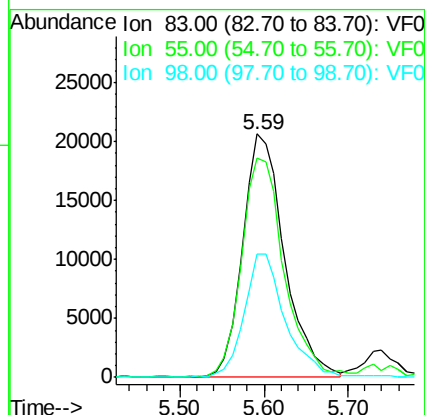
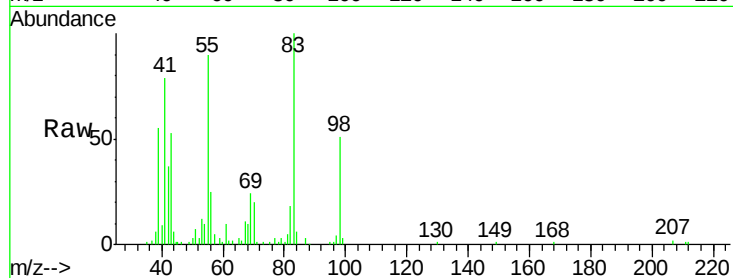




#39
Methvlcvclohexane
Concen: 22.04 ug/l
RT: 5.59 min Scan# 513
Delta R.T. -0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

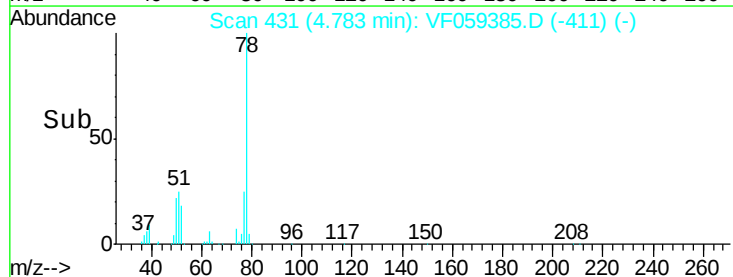
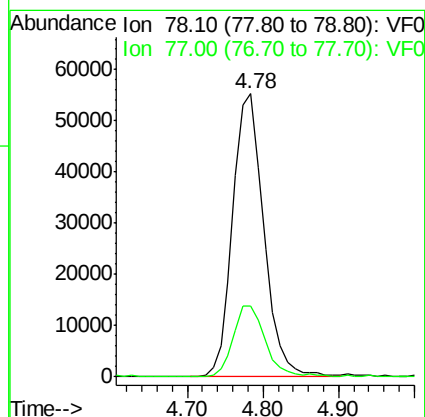
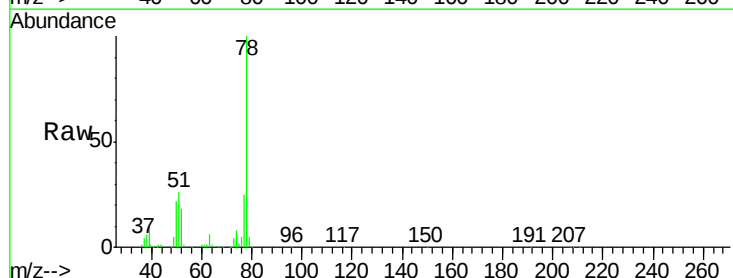
Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

Tot Ion: 83 Resp: 71850
Ion Ratio Lower Upper
83 100
55 89.9 69.2 103.8
98 50.8 35.0 52.6



#40
Benzene
Concen: 19.36 ug/l
RT: 4.78 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion: 78 Resp: 157870
Ion Ratio Lower Upper
78 100
77 24.9 19.6 29.4

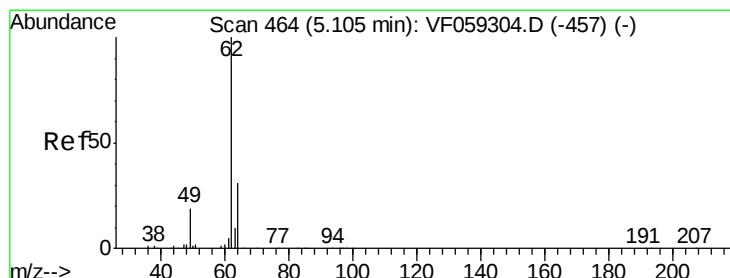
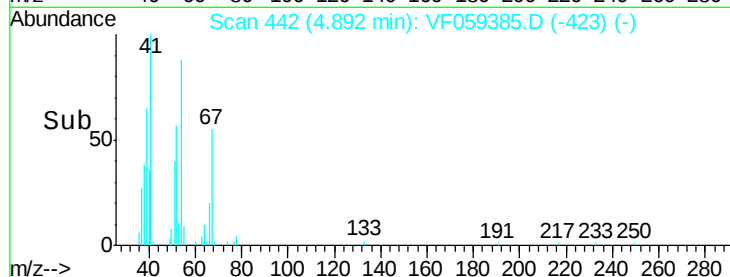
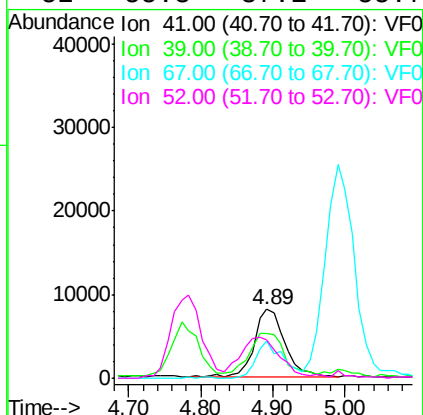
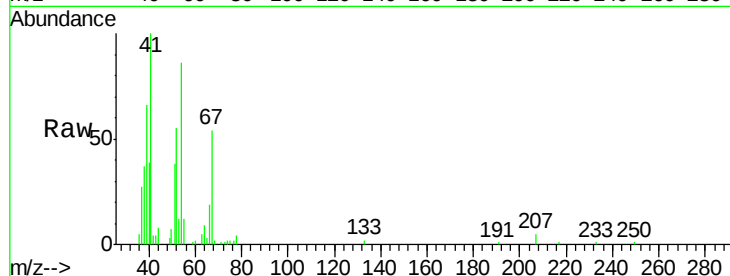




#41
Methacrylonitrile
Concen: 19.51 ug/l
RT: 4.89 min Scan# 442
Delta R.T. -0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

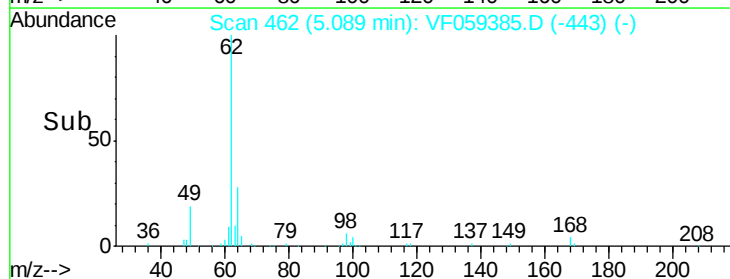
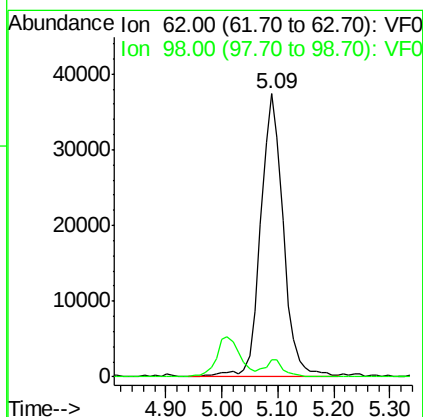
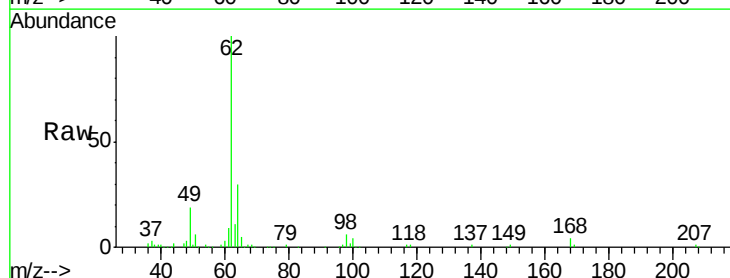
Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

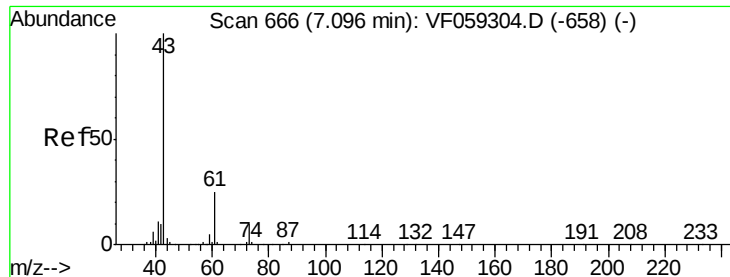
Tot Ion:	41	Resp:	24474
Ion	Ratio	Lower	Upper
41	100		
39	65.7	50.0	75.0
67	53.9	37.0	55.6
52	55.3	37.1	55.7



#42
1,2-Dichloroethane
Concen: 22.00 ug/l
RT: 5.09 min Scan# 462
Delta R.T. -0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion:	62	Resp:	104858
Ion	Ratio	Lower	Upper
62	100		
98	6.1	0.0	11.4



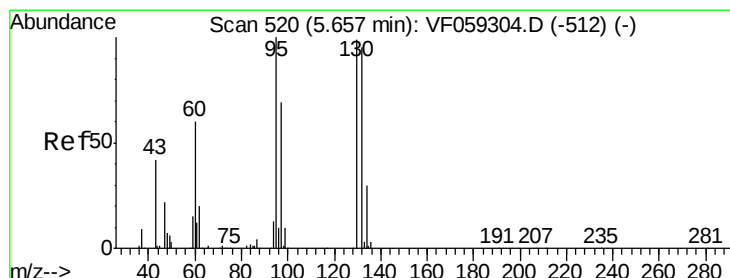
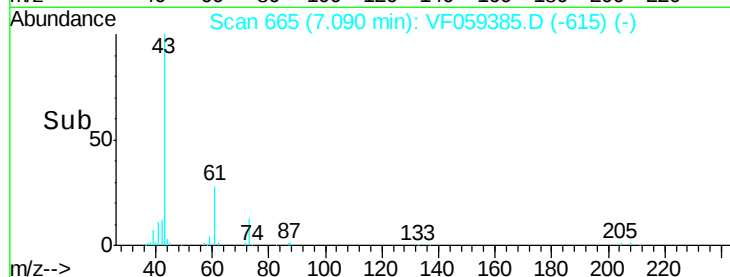
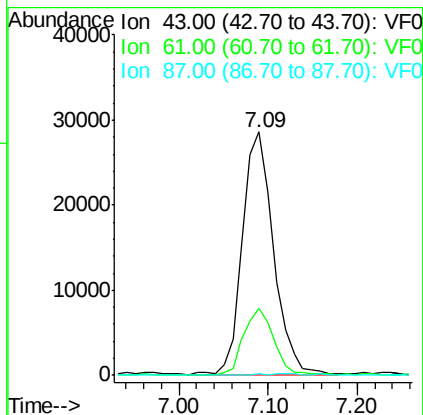
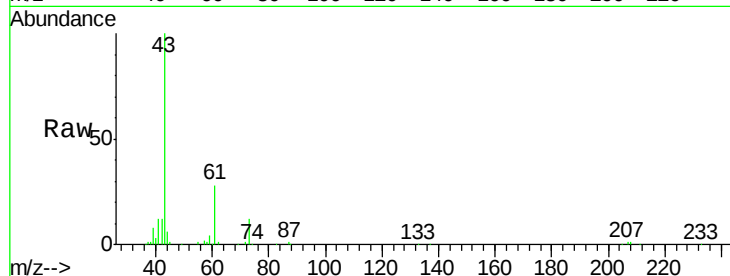


#43

Isopropyl Acetate
 Concen: 22.49 ug/l
 RT: 7.09 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

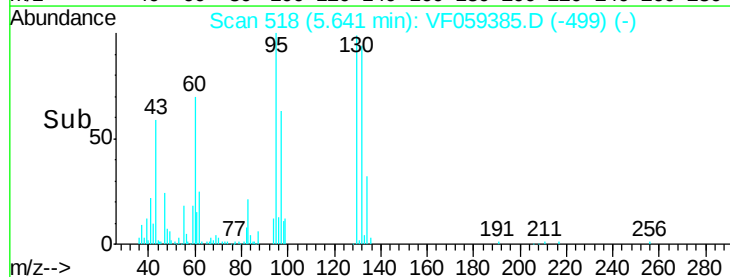
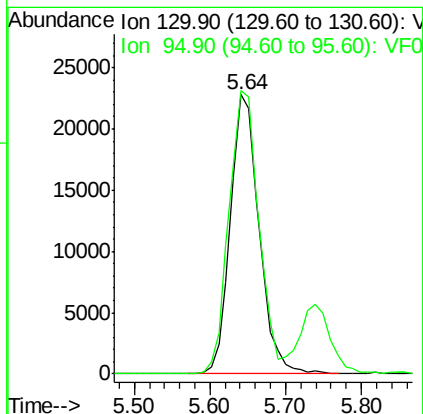
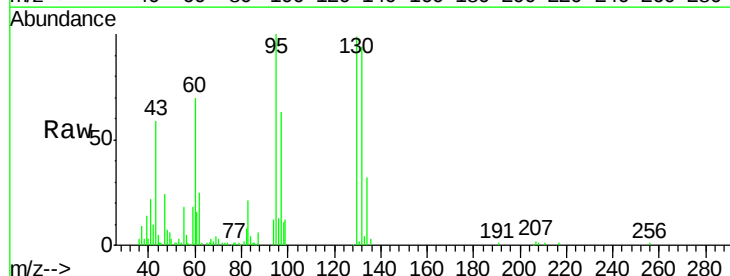
Tot Ion: 43 Resp: 68889
 Ion Ratio Lower Upper
 43 100
 61 27.7 19.7 29.5
 87 0.5 0.5 0.7

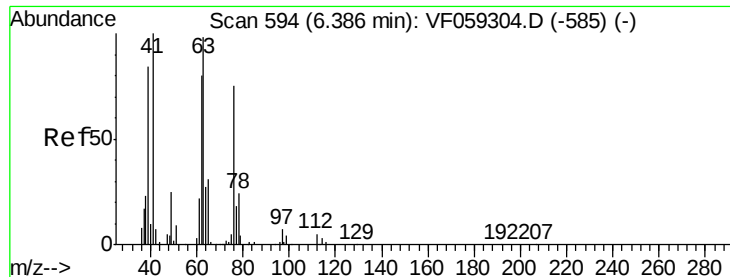


#44

Trichloroethene
 Concen: 21.32 ug/l
 RT: 5.64 min Scan# 518
 Delta R.T. -0.02 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Tgt Ion: 130 Resp: 59657
 Ion Ratio Lower Upper
 130 100
 95 99.1 0.0 202.4

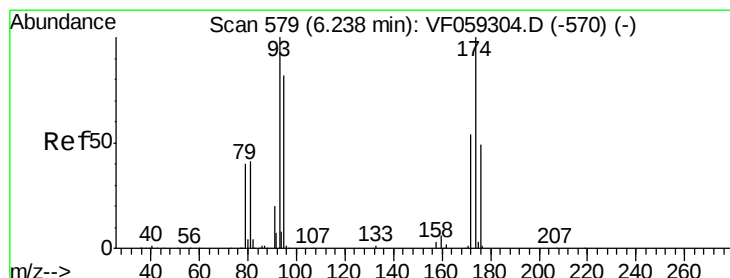
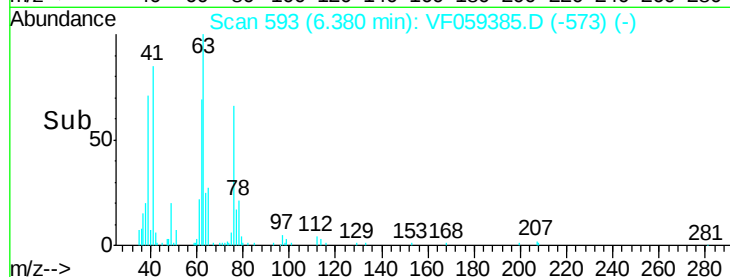
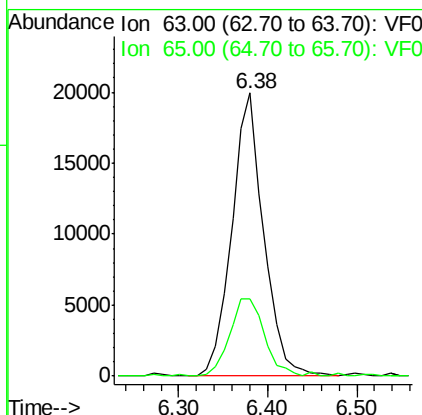
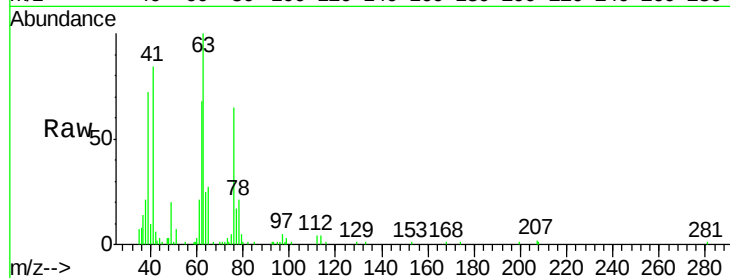




#45
 1,2-Dichloropropane
 Concen: 21.36 ug/l
 RT: 6.38 min Scan# 593
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

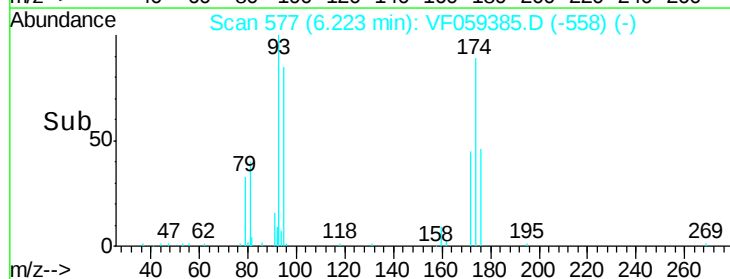
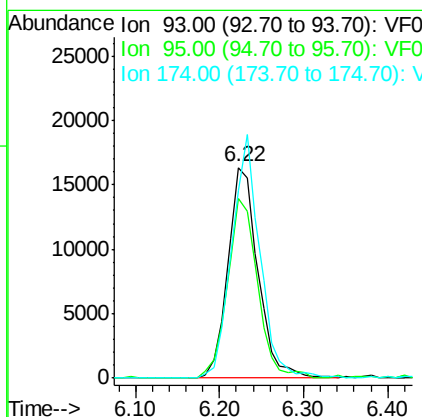
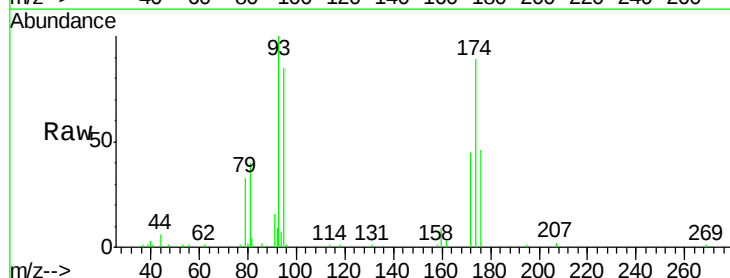
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

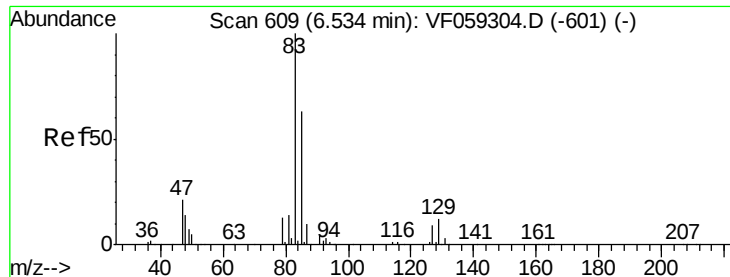
Tot Ion: 63 Resp: 49757
 Ion Ratio Lower Upper
 63 100
 65 27.3 25.3 37.9



#46
 Dibromomethane
 Concen: 20.10 ug/l
 RT: 6.22 min Scan# 577
 Delta R.T. -0.02 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Tgt Ion: 93 Resp: 40658
 Ion Ratio Lower Upper
 93 100
 95 85.5 65.6 98.4
 174 88.9 80.0 120.0





#47

Bromodichloromethane

Concen: 20.95 ug/l

RT: 6.52 min Scan# 607

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

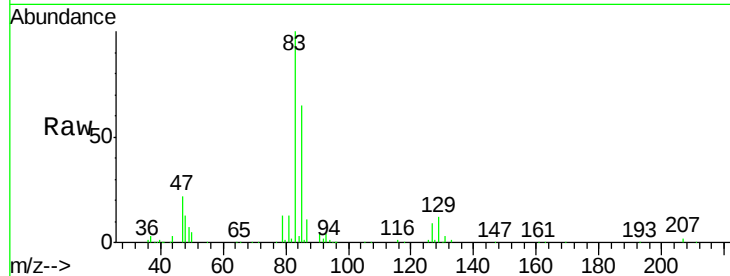
Tot Ion: 83 Resp: 102535

Ion Ratio Lower Upper

83 100

85 65.2 50.2 75.2

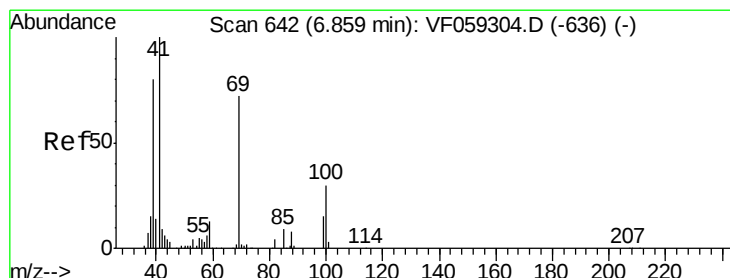
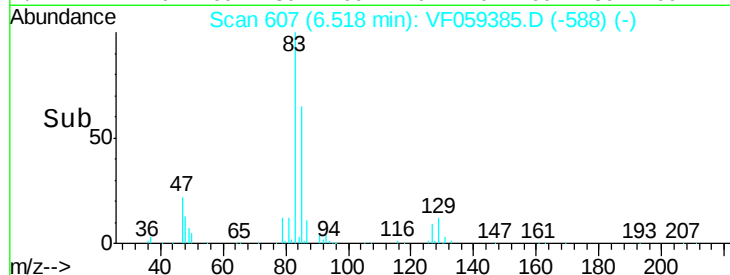
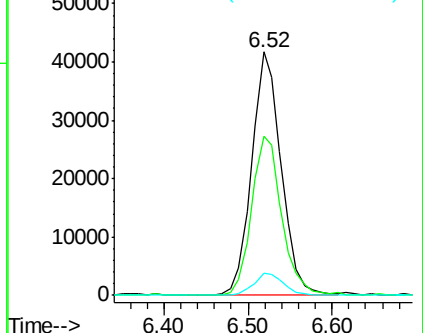
127 10.3 7.0 10.4



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: 21.03 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

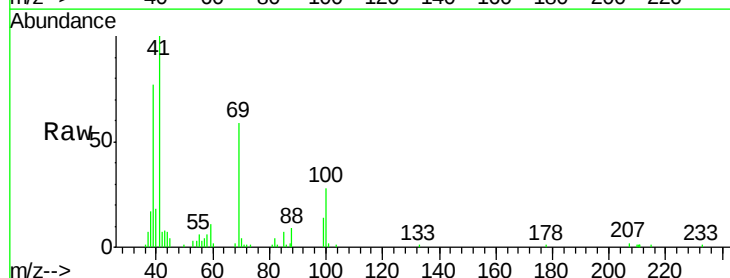
Tgt Ion: 41 Resp: 43190

Ion Ratio Lower Upper

41 100

69 58.6 57.3 85.9

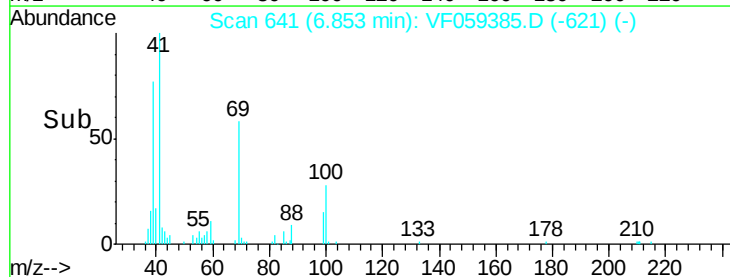
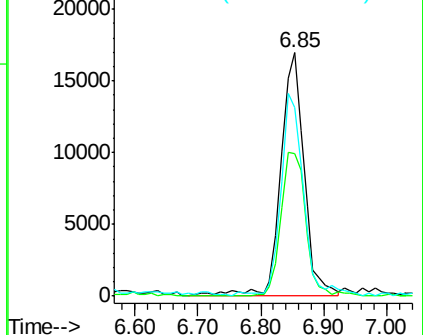
39 77.3 64.4 96.6

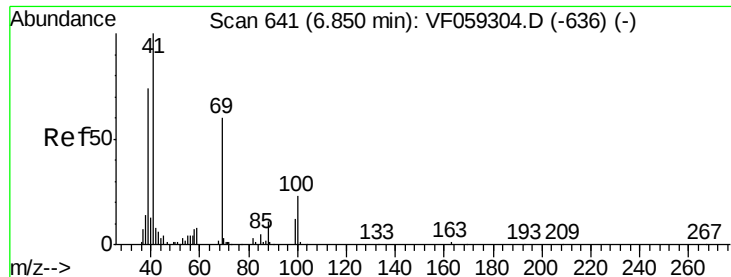


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 555.68 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

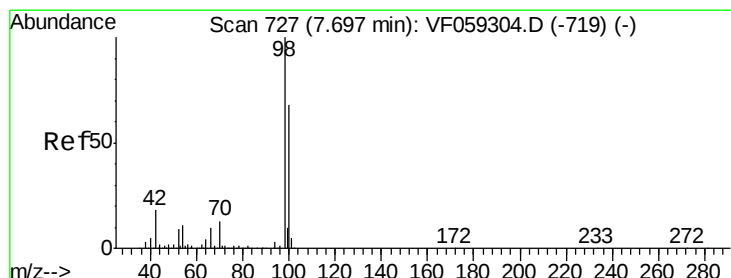
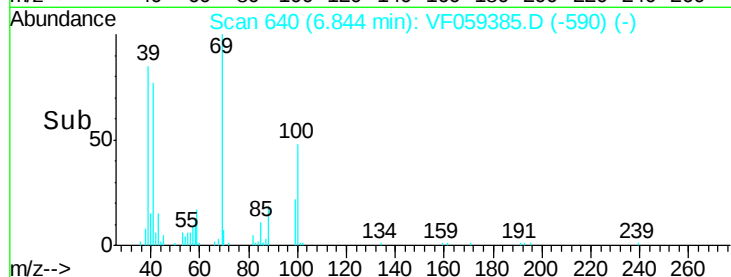
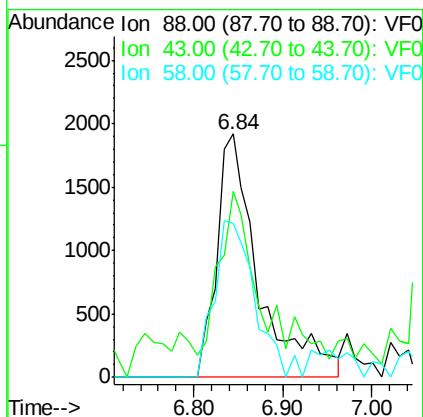
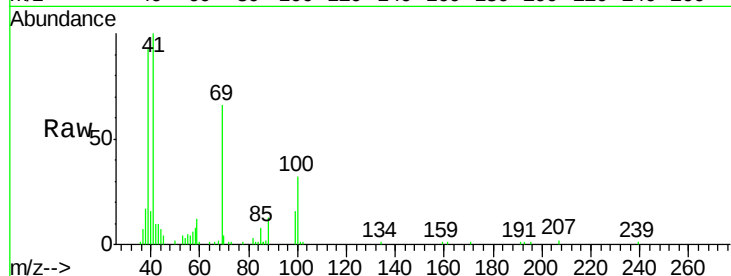
Tot Ion: 88 Resp: 6295

Ion Ratio Lower Upper

88 100

43 76.2 50.6 75.8#

58 63.1 46.6 69.8



#50

Toluene-d8

Concen: 44.41 ug/l

RT: 7.68 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF059385.D

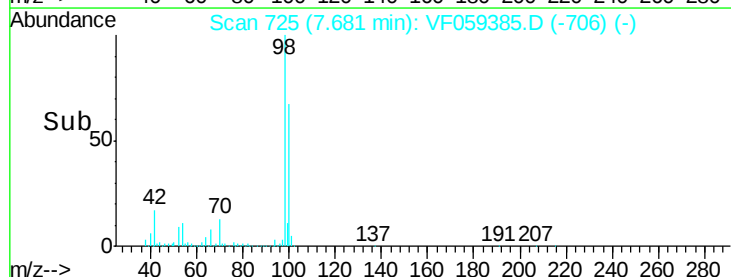
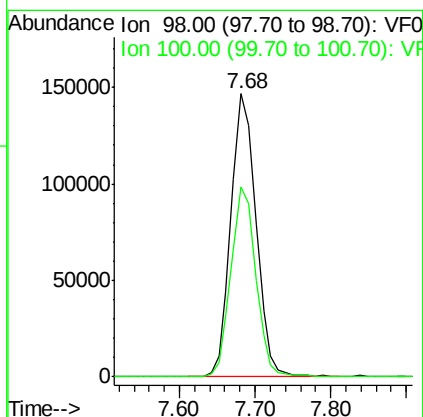
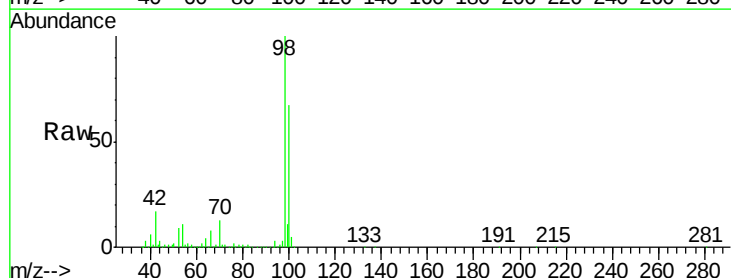
Acq: 2 Jul 2018 14:22

Tgt Ion: 98 Resp: 338275

Ion Ratio Lower Upper

98 100

100 66.9 54.6 82.0





#51

4-Methyl-2-Pentanone

Concen: 114.07 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

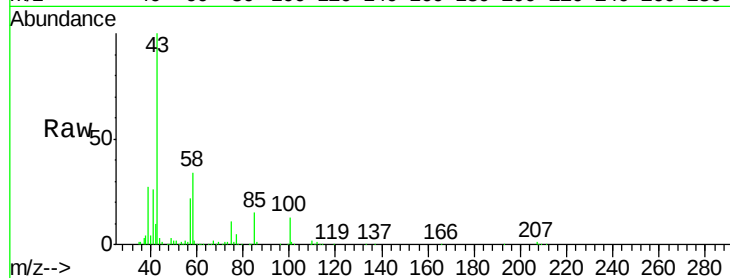
VF0702SBS01

Tot Ion: 43 Resp: 258915

Ion Ratio Lower Upper

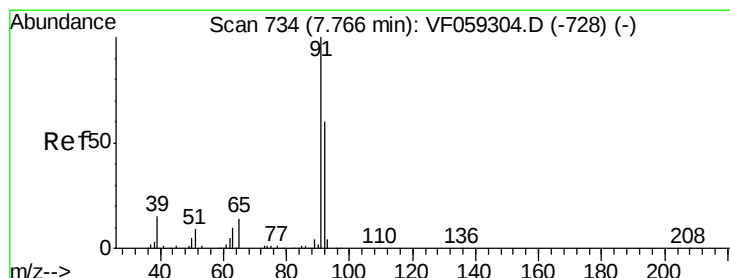
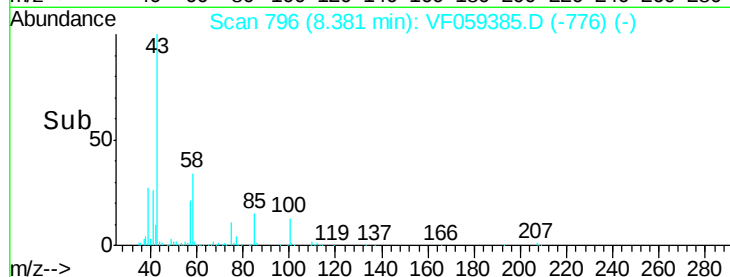
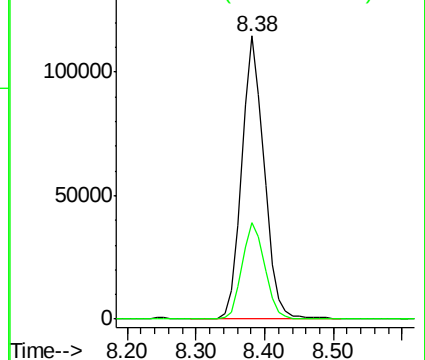
43 100

58 34.2 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: 20.19 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059385.D

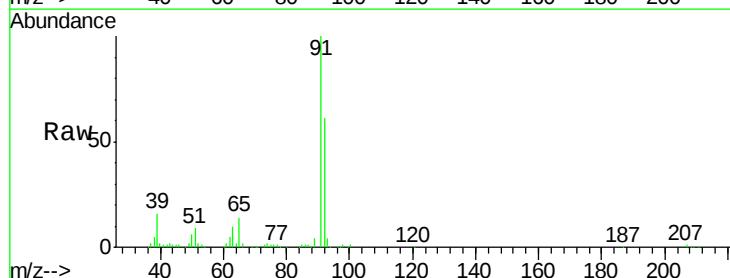
Acq: 2 Jul 2018 14:22

Tgt Ion: 92 Resp: 123201

Ion Ratio Lower Upper

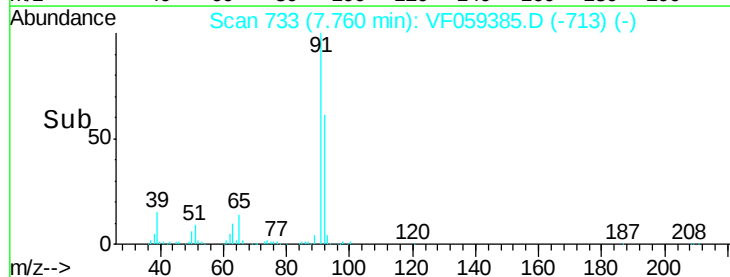
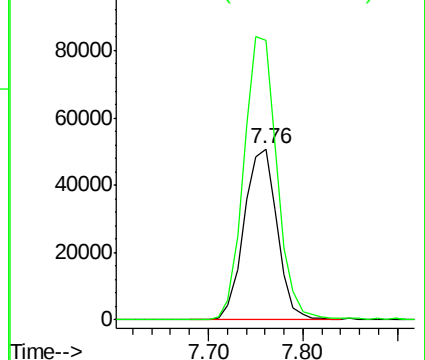
92 100

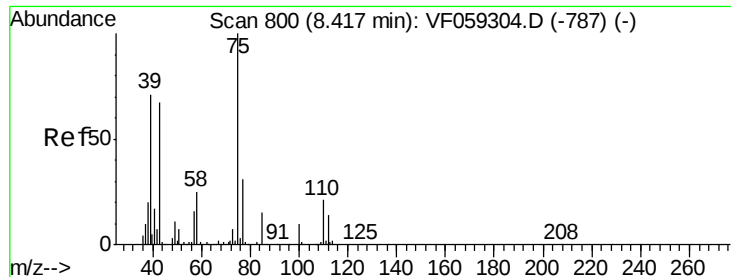
91 163.4 132.8 199.2



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: 22.00 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

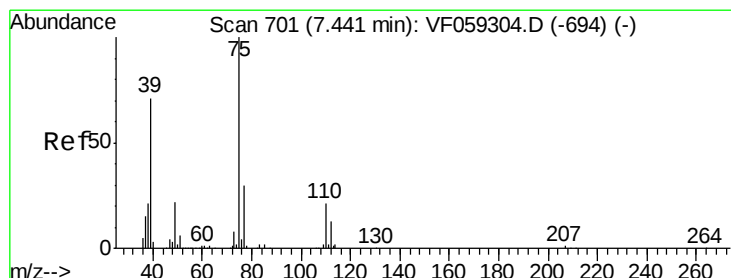
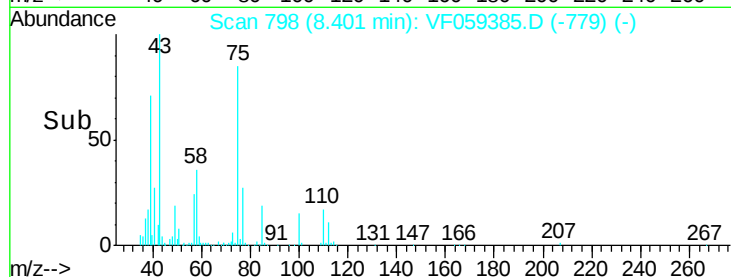
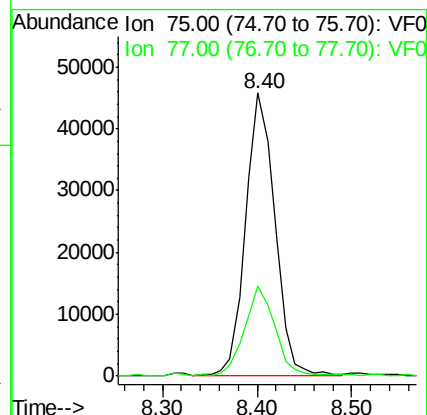
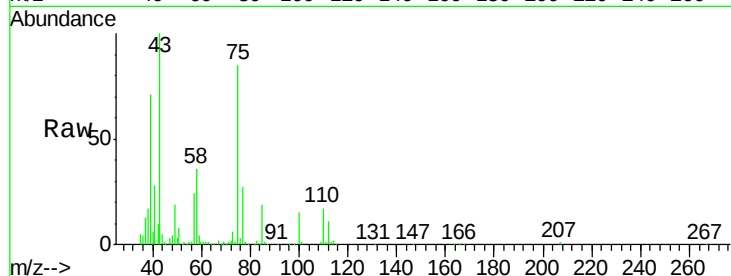
VF0702SBS01

Tot Ion: 75 Resp: 98147

Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 20.83 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

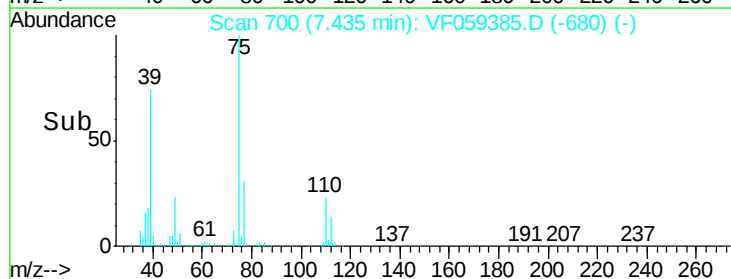
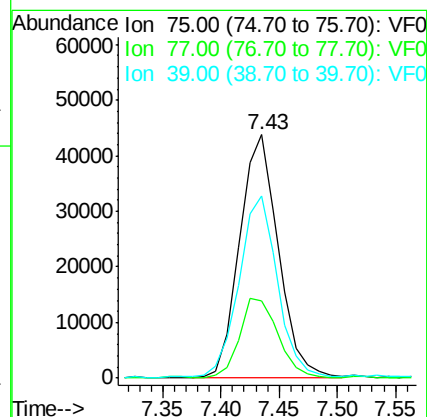
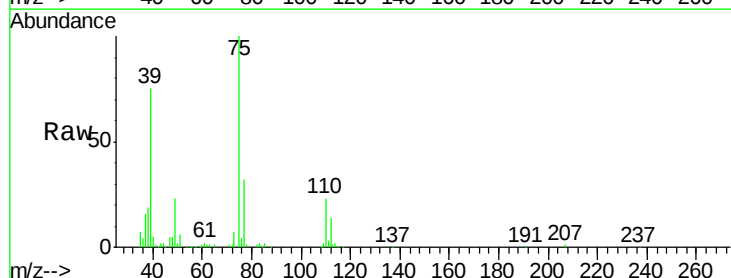
Tgt Ion: 75 Resp: 100952

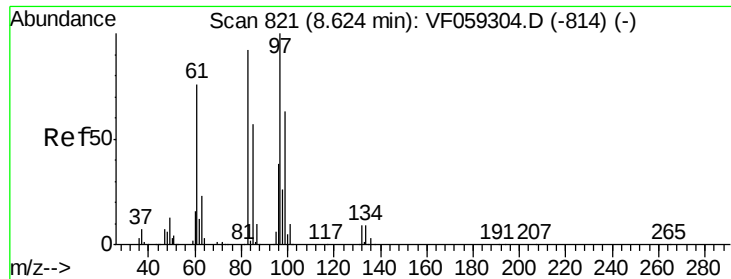
Ion Ratio Lower Upper

75 100

77 31.7 24.3 36.5

39 74.7 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 21.51 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

Tot Ion: 97 Resp: 50953

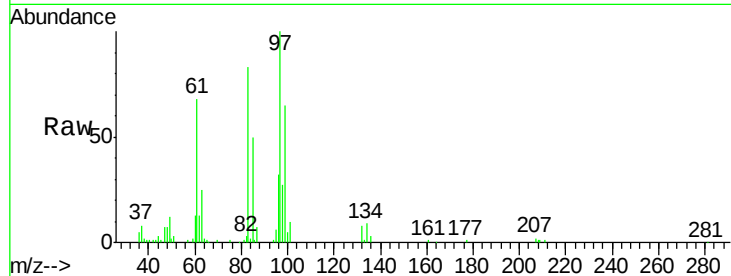
Ion Ratio Lower Upper

97 100

83 82.7 73.8 110.8

85 50.4 45.5 68.3

99 64.6 50.7 76.1

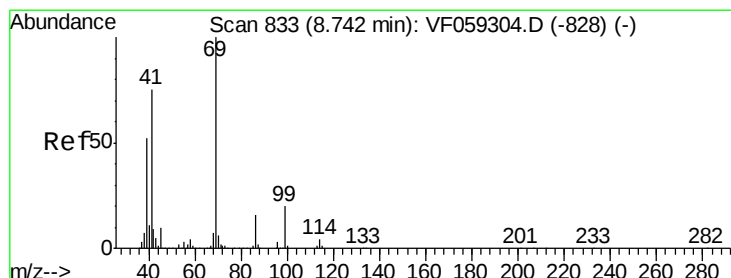
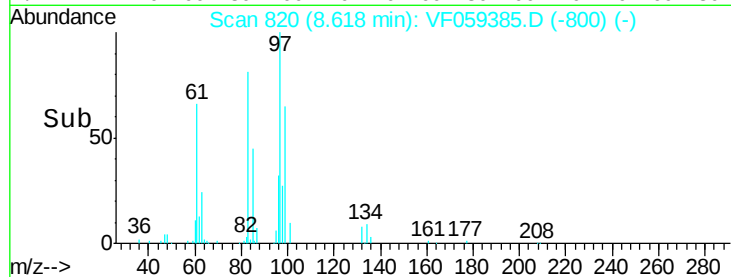
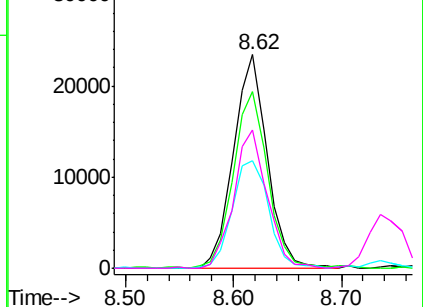


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 21.04 ug/l

RT: 8.74 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

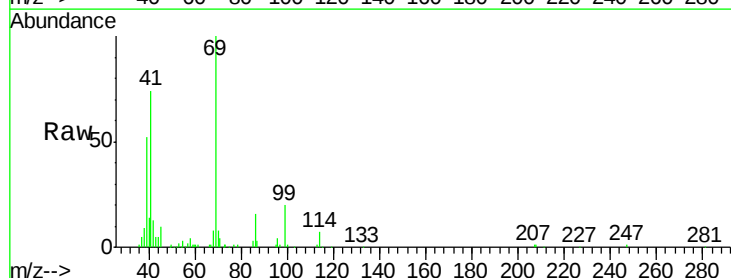
Tgt Ion: 69 Resp: 61749

Ion Ratio Lower Upper

69 100

41 73.6 60.3 90.5

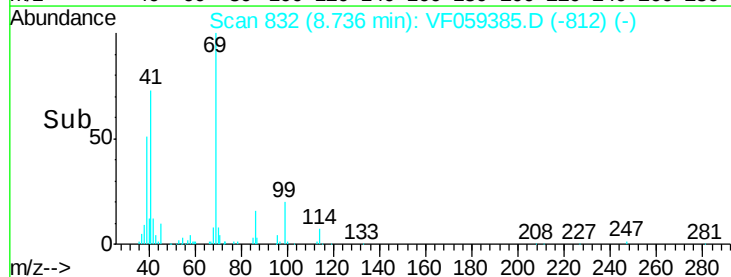
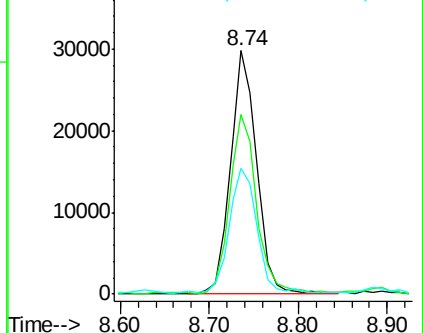
39 51.9 42.2 63.4

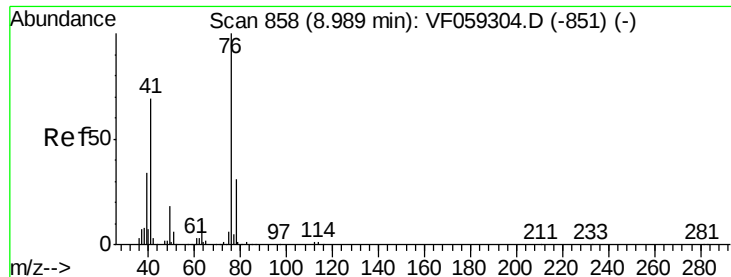


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.24 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

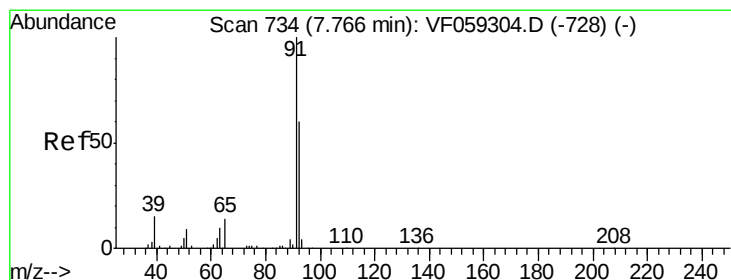
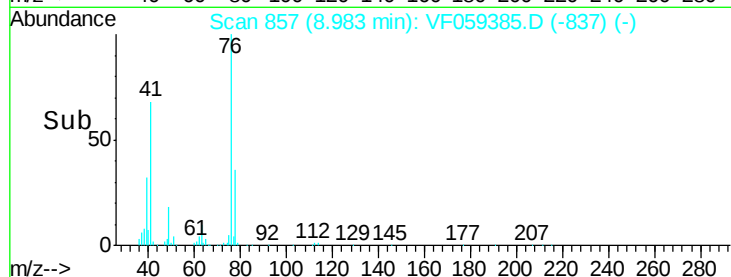
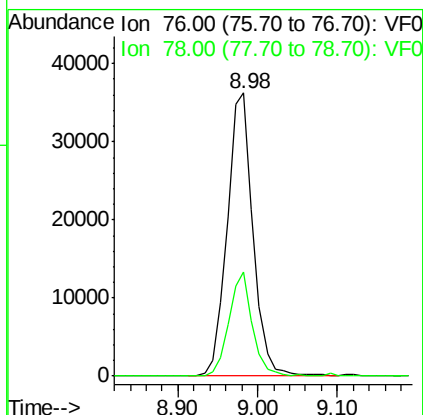
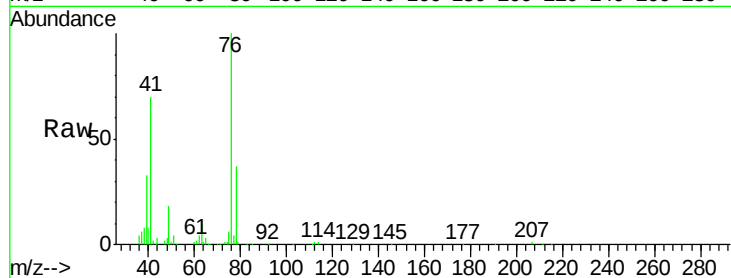
VF0702SBS01

Tot Ion: 76 Resp: 82242

Ion Ratio Lower Upper

76 100

78 36.6 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 103.88 ug/l

RT: 7.75 min Scan# 732

Delta R.T. -0.02 min

Lab File: VF059385.D

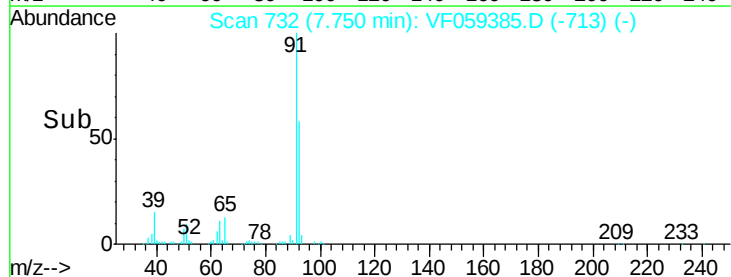
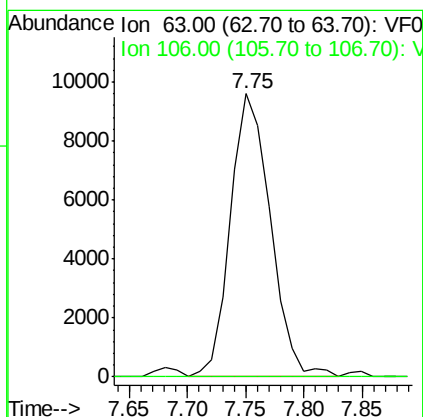
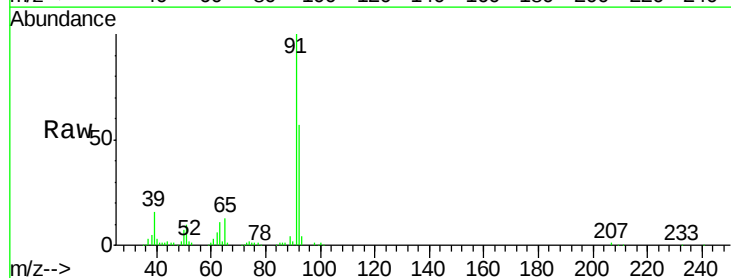
Acq: 2 Jul 2018 14:22

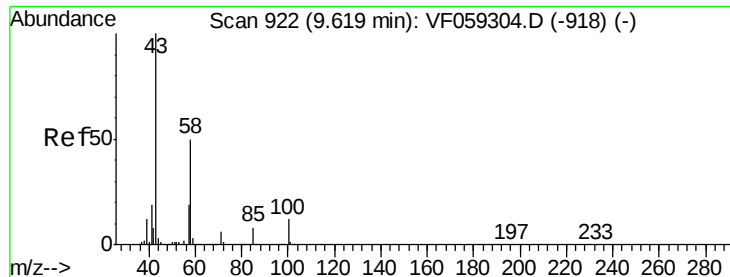
Tgt Ion: 63 Resp: 22867

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

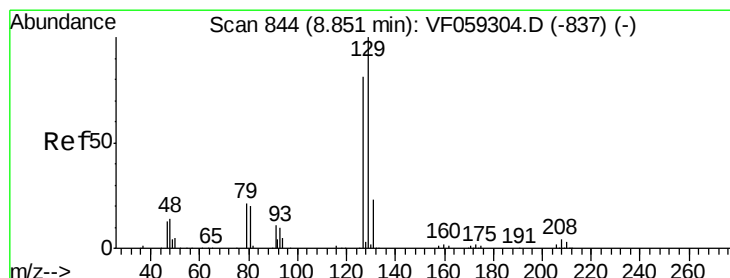
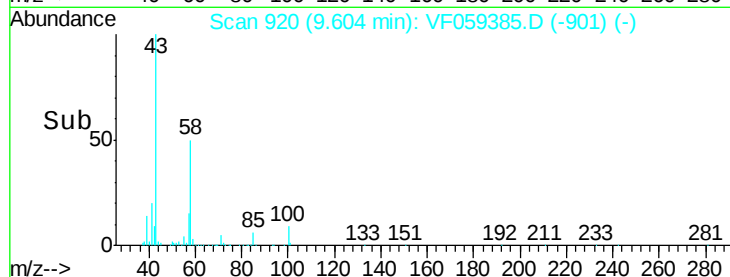
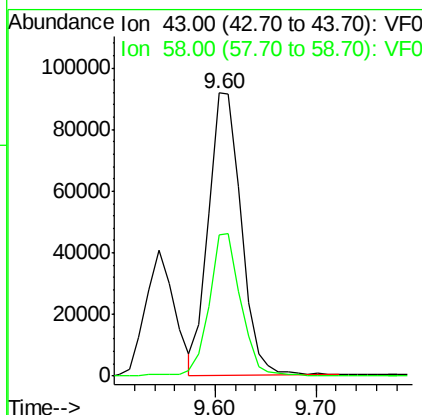
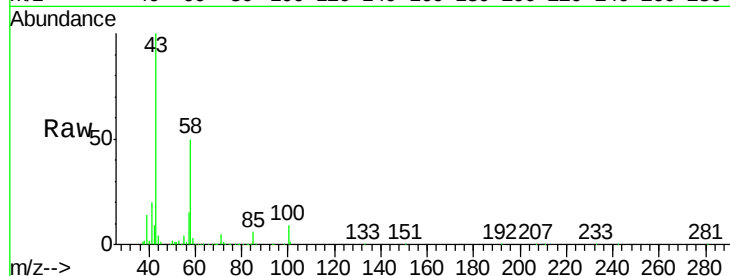




#59
2-Hexanone
Concen: 111.69 ug/l
RT: 9.60 min Scan# 920
Delta R.T. -0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

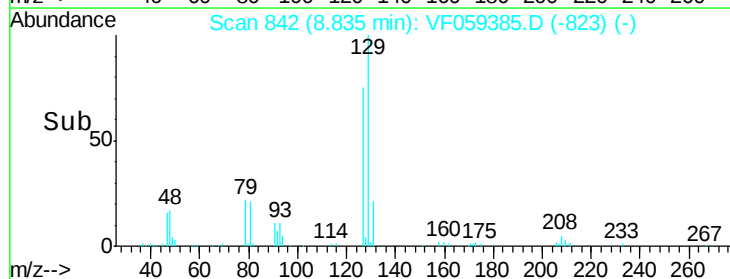
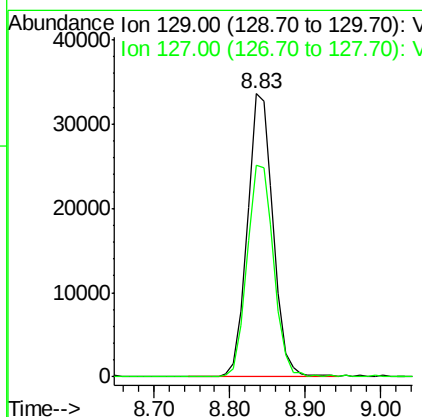
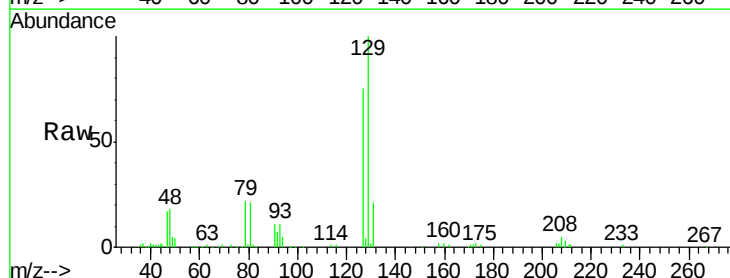
Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

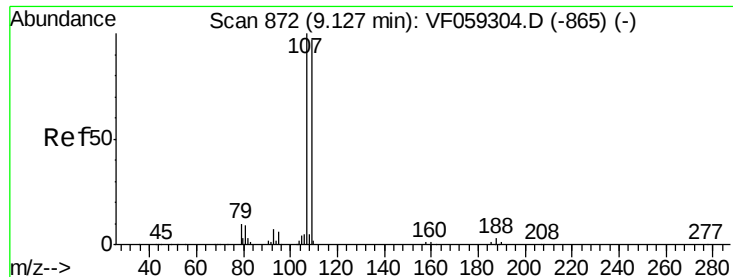
Tot Ion: 43 Resp: 206387
Ion Ratio Lower Upper
43 100
58 50.0 23.3 69.9



#60
Dibromochloromethane
Concen: 21.69 ug/l
RT: 8.83 min Scan# 842
Delta R.T. -0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion: 129 Resp: 79347
Ion Ratio Lower Upper
129 100
127 75.0 40.7 122.1





#61

1,2-Dibromoethane

Concen: 20.55 ug/l

RT: 9.11 min Scan# 870

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

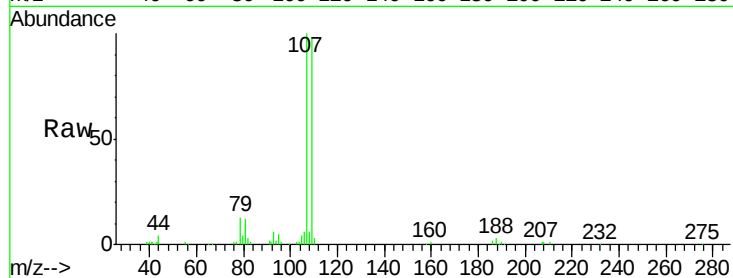
VF0702SBS01

Tot Ion:107 Resp: 59055

Ion Ratio Lower Upper

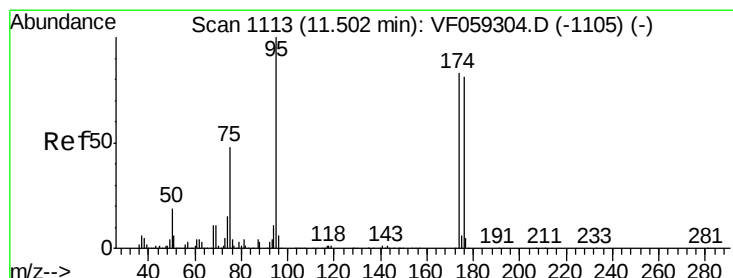
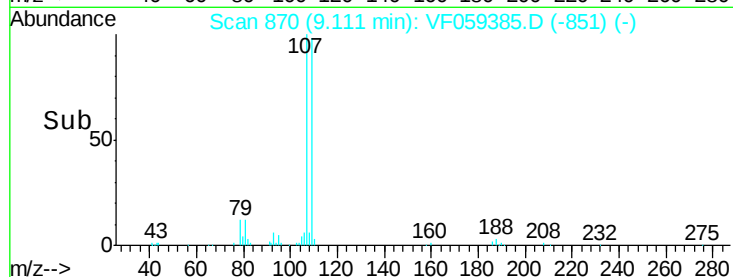
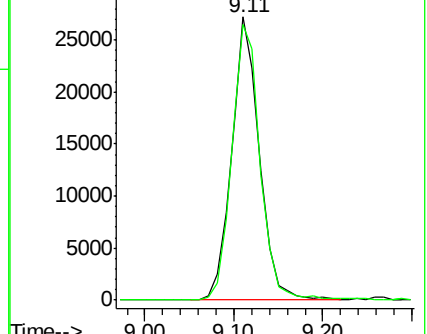
107 100

109 97.5 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: 45.95 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

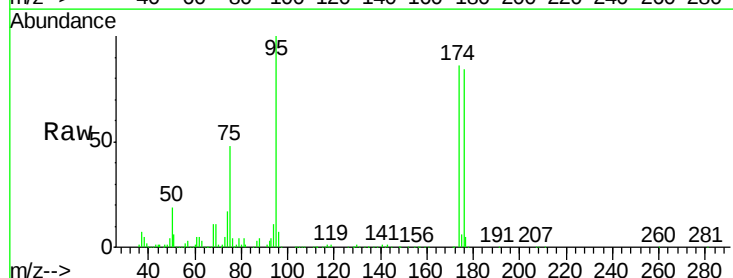
Tgt Ion: 95 Resp: 197439

Ion Ratio Lower Upper

95 100

174 86.1 0.0 165.2

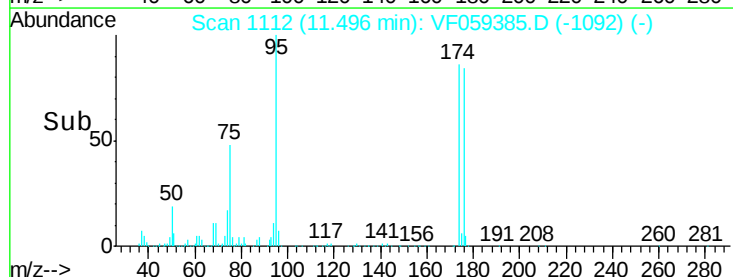
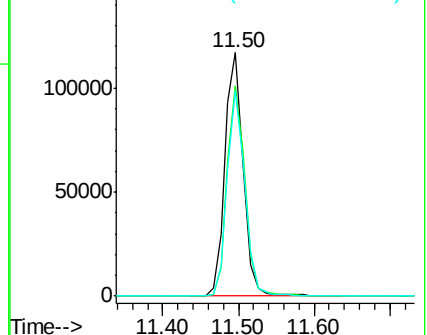
176 84.5 0.0 161.0

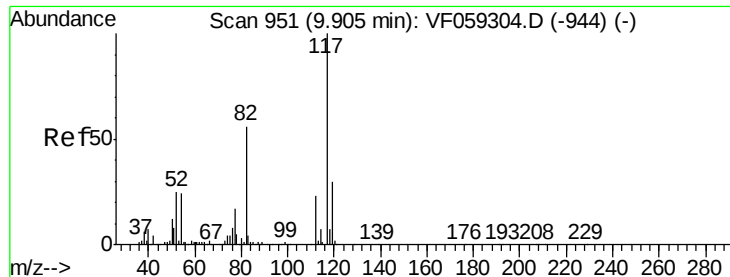


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

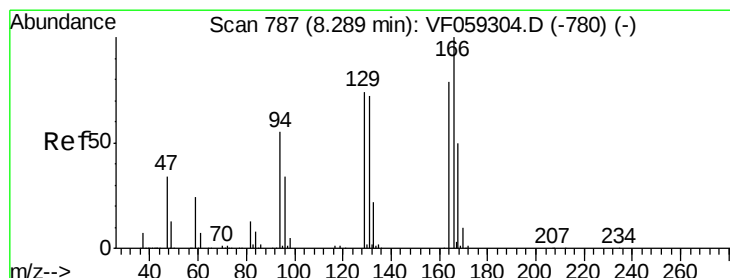
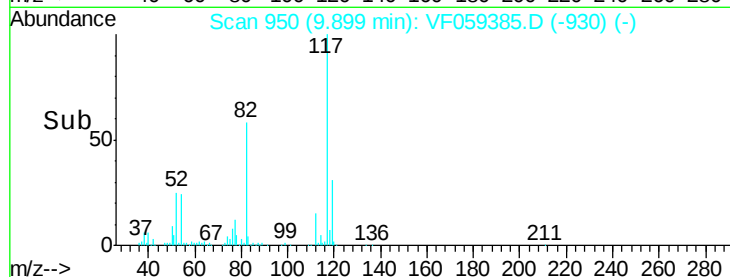
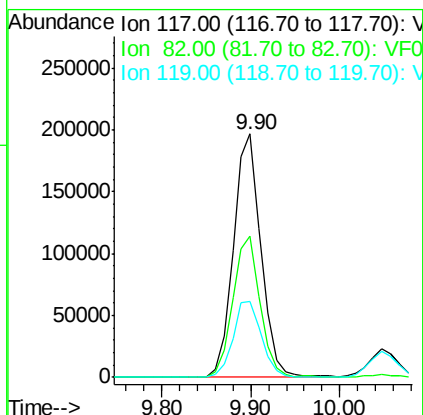
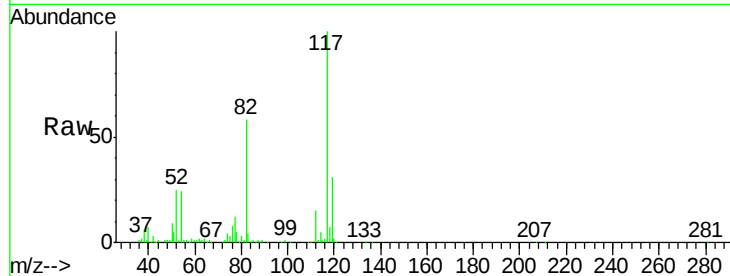




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

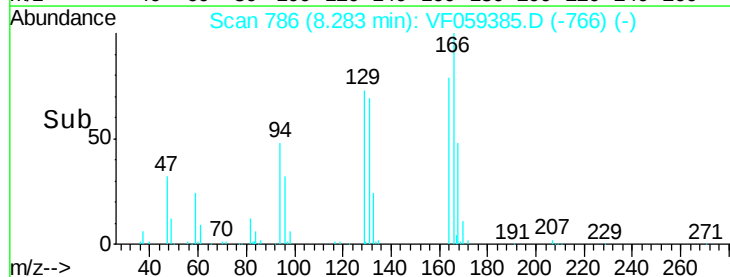
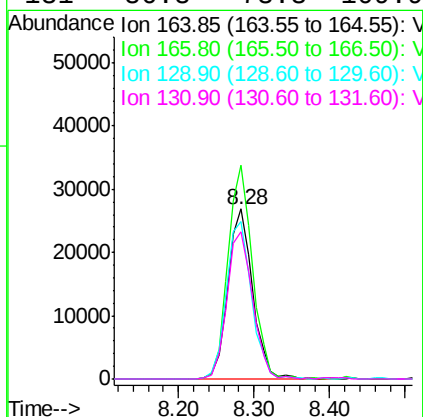
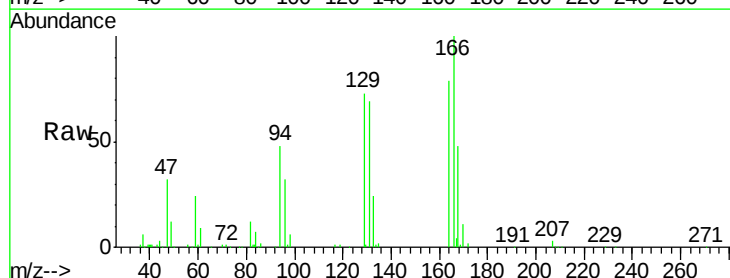
Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

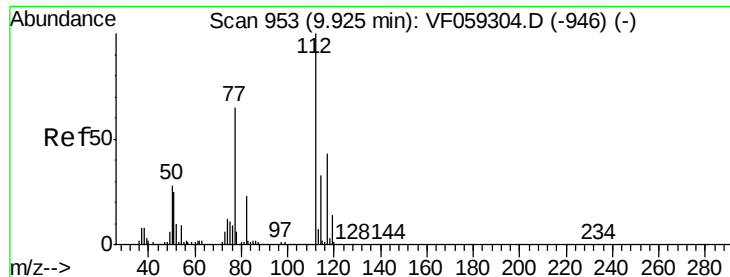
Tot Ion:117 Resp: 423906
Ion Ratio Lower Upper
117 100
82 57.7 44.6 66.8
119 31.4 24.1 36.1



#64
Tetrachloroethene
Concen: 21.95 ug/l
RT: 8.28 min Scan# 786
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion:164 Resp: 60359
Ion Ratio Lower Upper
164 100
166 125.9 101.1 151.7
129 92.5 75.0 112.4
131 86.8 73.3 109.9

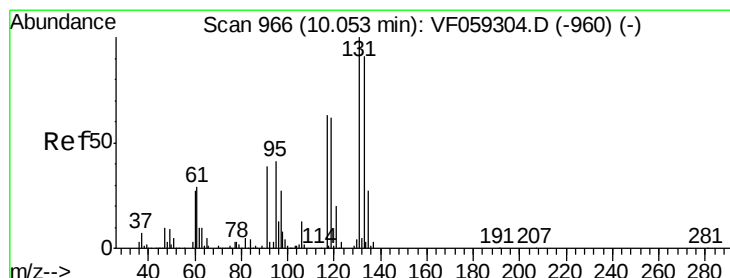
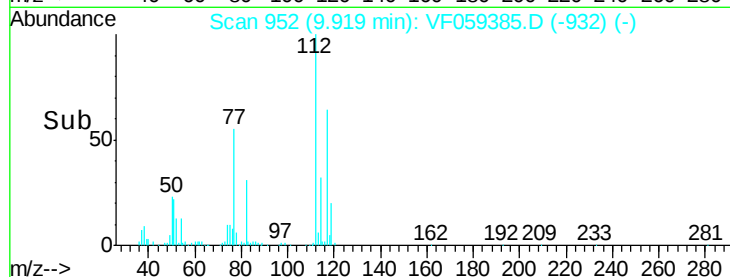
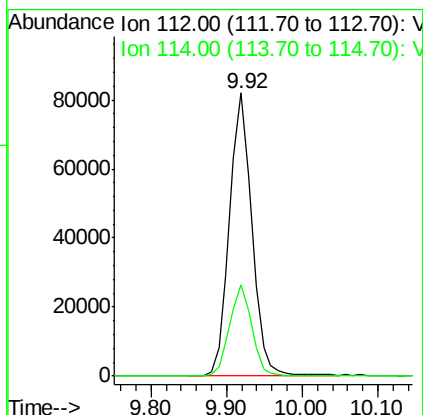
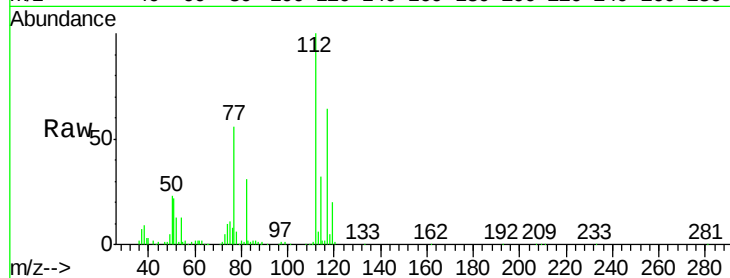




#65
Chlorobenzene
Concen: 21.39 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

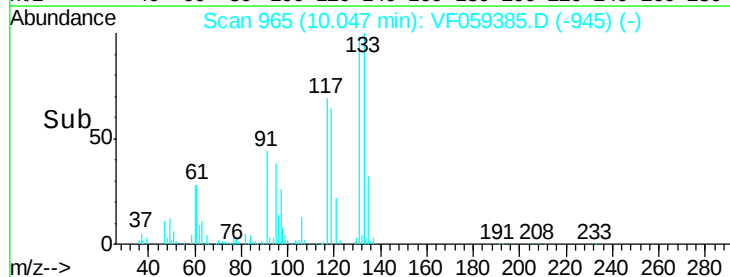
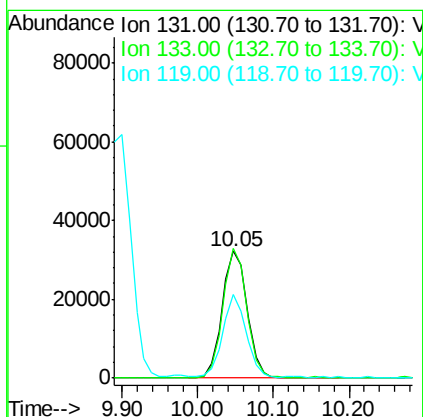
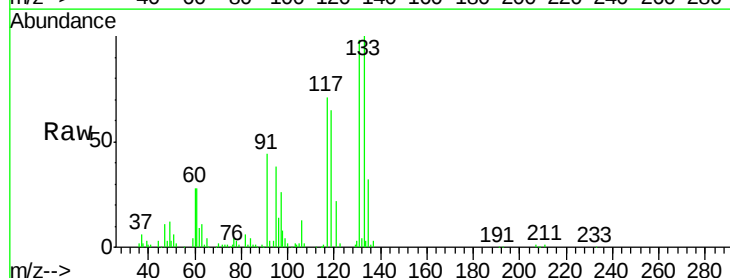
Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

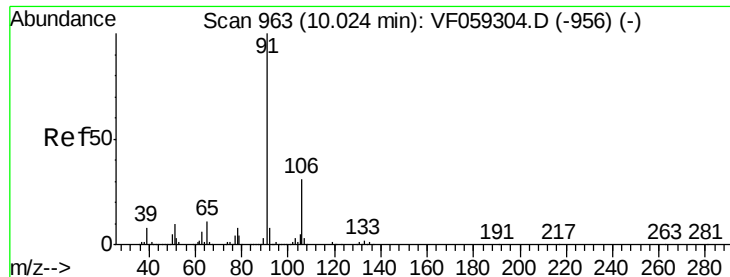
Tot Ion:112 Resp: 168008
Ion Ratio Lower Upper
112 100
114 32.2 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.82 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion:131 Resp: 74121
Ion Ratio Lower Upper
131 100
133 102.0 45.3 135.9
119 66.5 31.3 93.9





#67

Ethyl Benzene

Concen: 20.93 ug/l

RT: 10.02 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

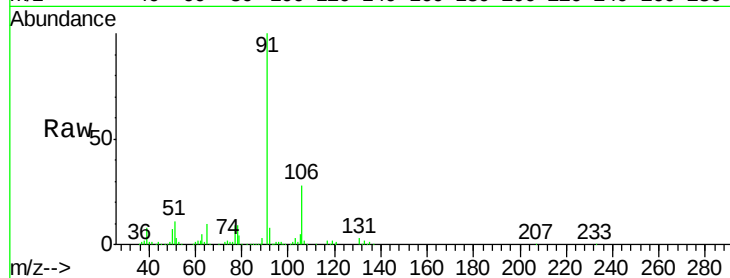
VF0702SBS01

Tot Ion: 91 Resp: 278880

Ion Ratio Lower Upper

91 100

106 28.3 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

10.02

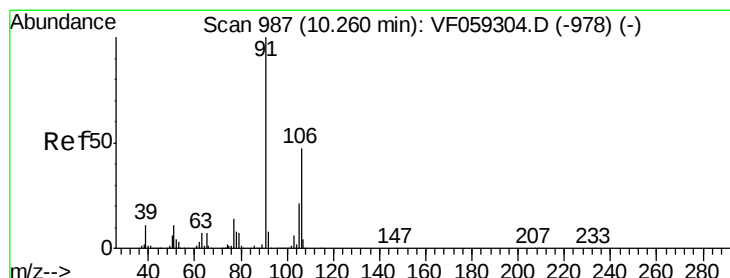
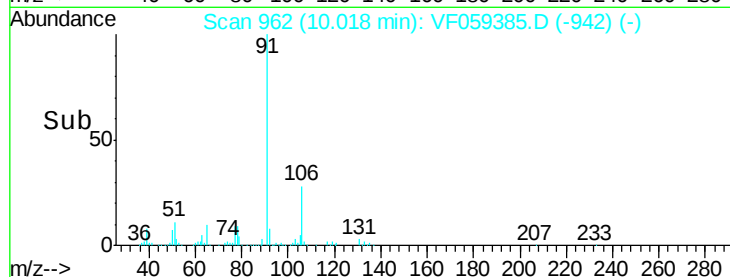
150000

100000

50000

0

Time--> 9.90 10.00 10.10



#68

m/p-Xylenes

Concen: 43.78 ug/l

RT: 10.24 min Scan# 985

Delta R.T. -0.02 min

Lab File: VF059385.D

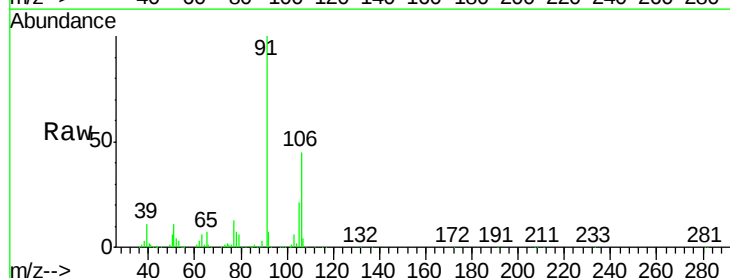
Acq: 2 Jul 2018 14:22

Tgt Ion: 106 Resp: 207661

Ion Ratio Lower Upper

106 100

91 220.6 170.8 256.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.24

250000

200000

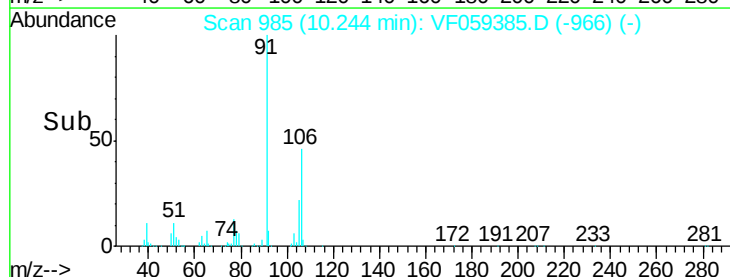
150000

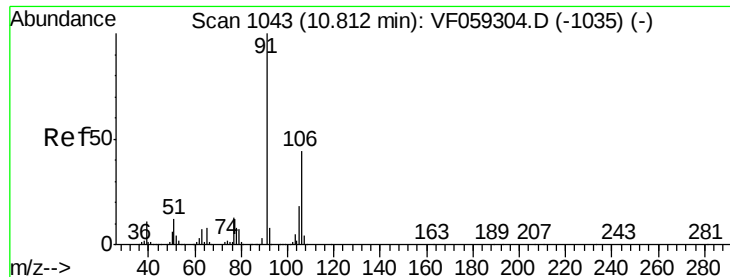
100000

50000

0

Time--> 10.10 10.20 10.30

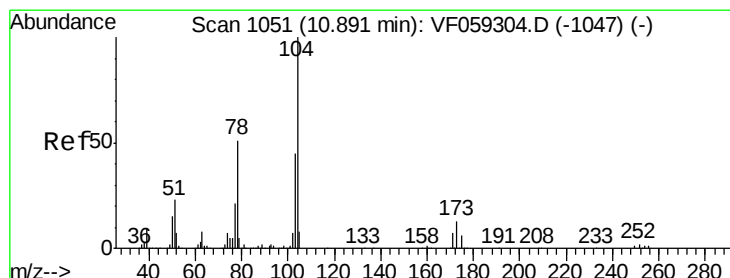
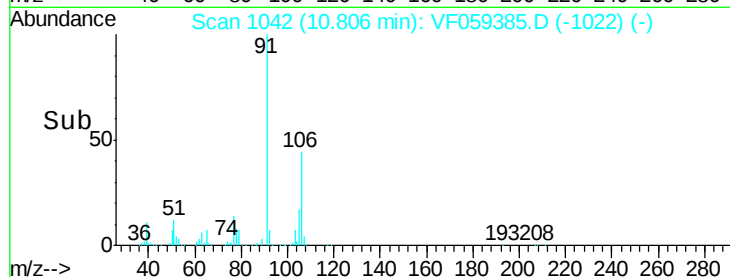
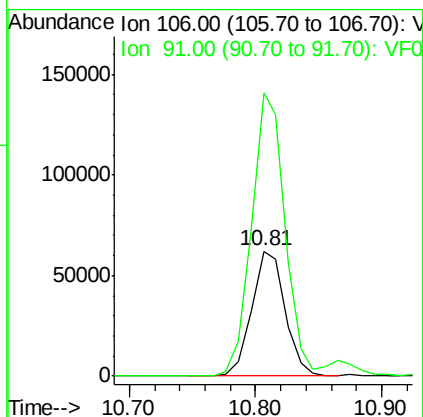
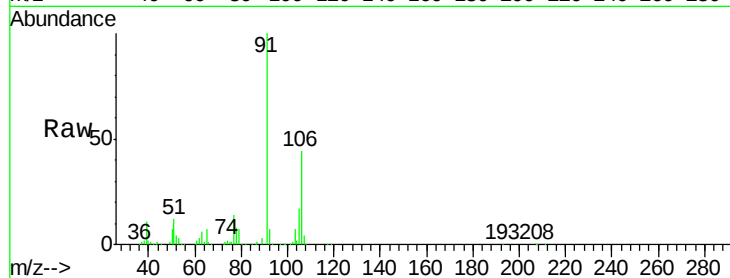




#69
o-Xylene
Concen: 21.56 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

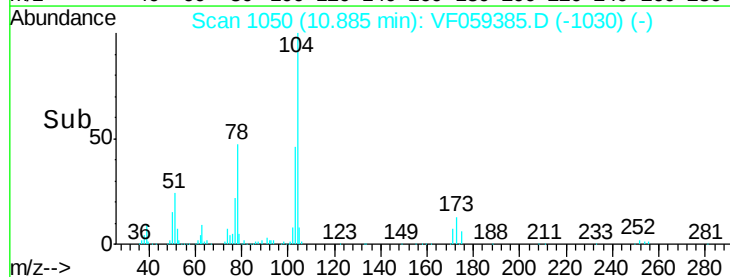
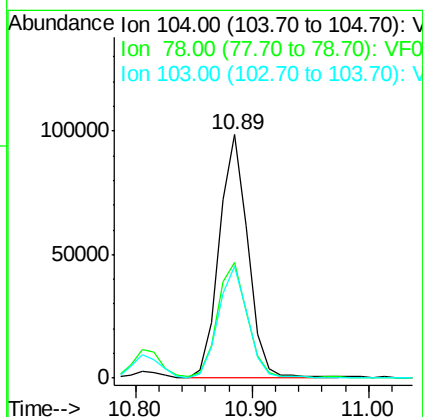
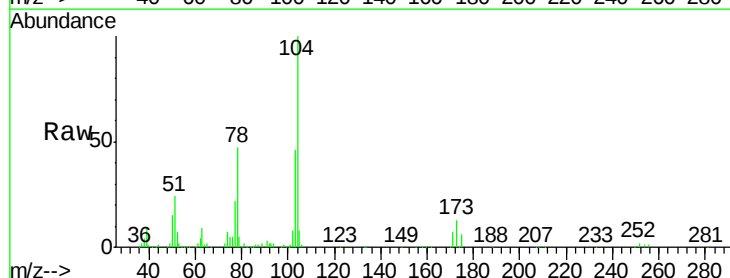
Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

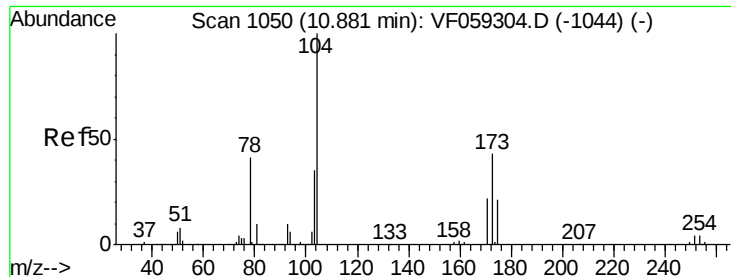
Tot Ion:106 Resp: 114388
Ion Ratio Lower Upper
106 100
91 226.9 114.6 343.6



#70
Styrene
Concen: 20.67 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion:104 Resp: 167026
Ion Ratio Lower Upper
104 100
78 47.3 40.9 61.3
103 45.8 36.5 54.7

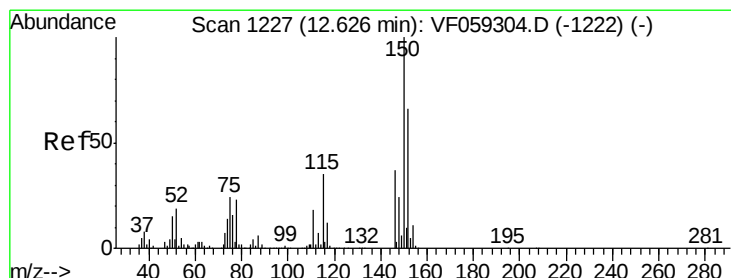
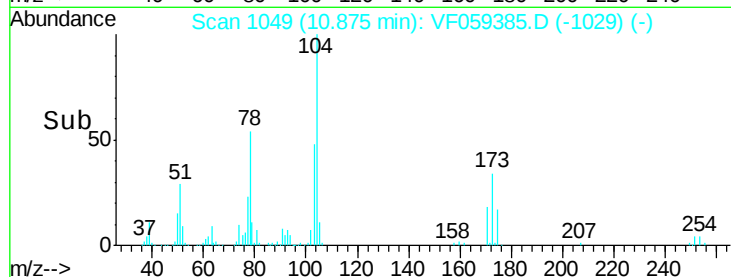
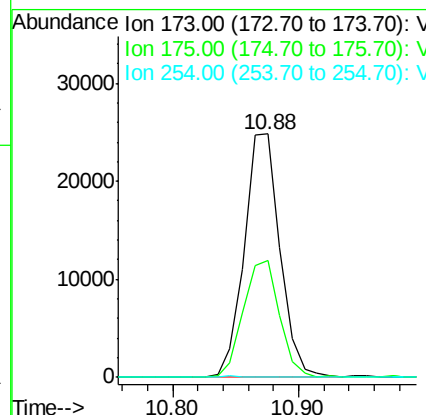
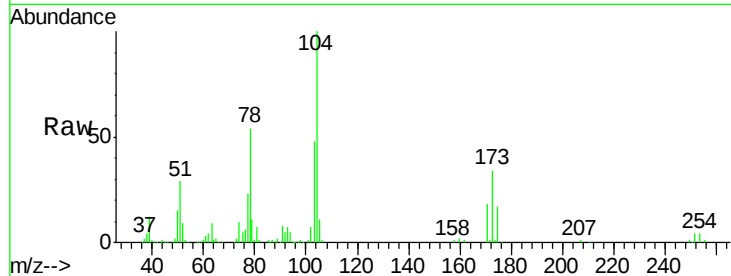




#71
Bromoform
Concen: 20.95 ug/l
RT: 10.88 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

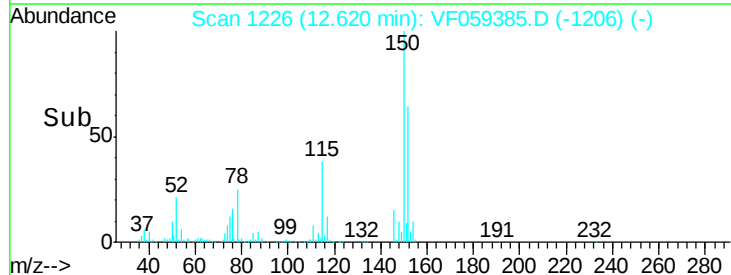
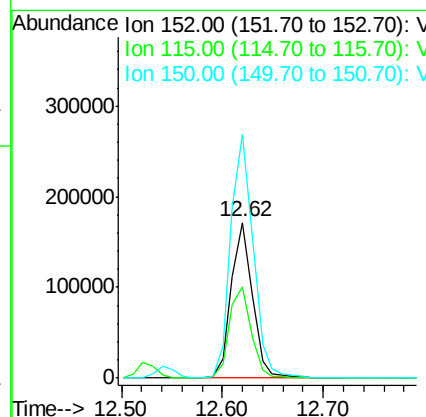
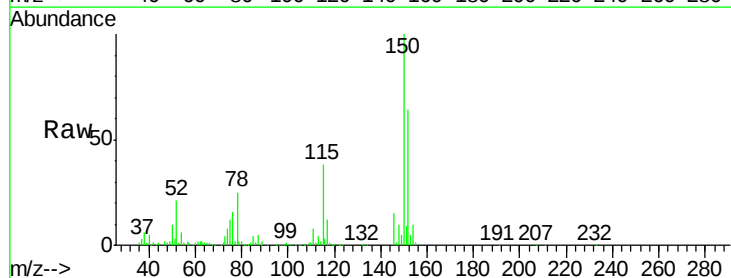
Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

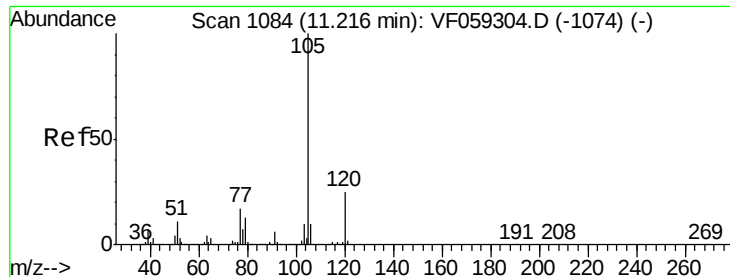
Tot Ion:173 Resp: 48781
Ion Ratio Lower Upper
173 100
175 46.7 24.8 74.3
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion:152 Resp: 253413
Ion Ratio Lower Upper
152 100
115 58.8 27.1 81.3
150 156.2 0.0 305.2





#73

Isopropylbenzene

Concen: 22.69 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

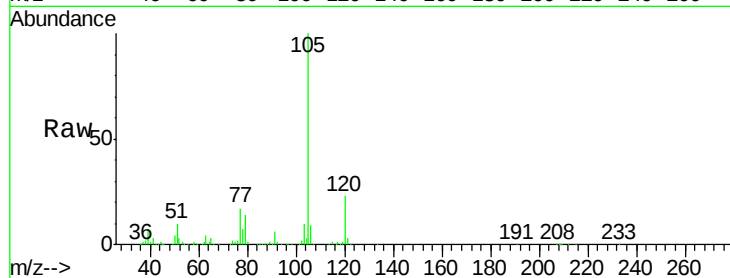
VF0702SBS01

Tot Ion:105 Resp: 335014

Ion Ratio Lower Upper

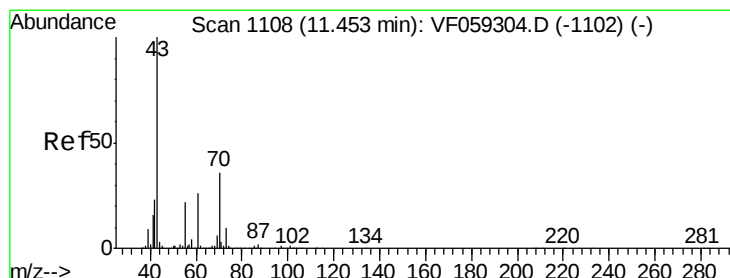
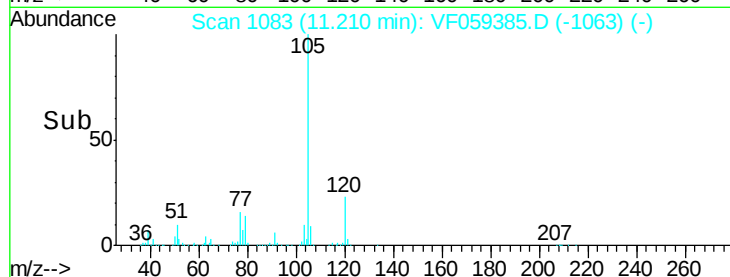
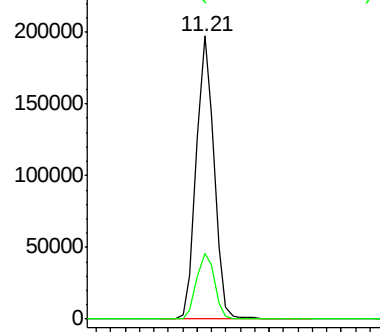
105 100

120 23.3 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: 22.89 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Tgt Ion: 43 Resp: 122621

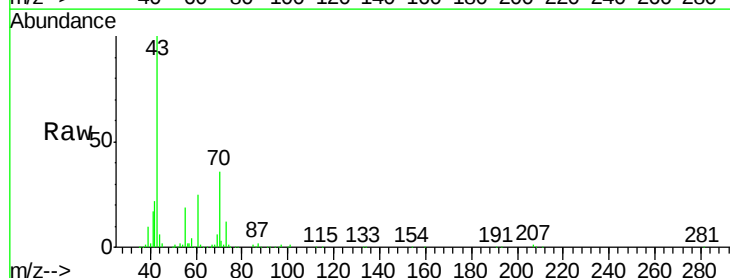
Ion Ratio Lower Upper

43 100

70 35.7 28.8 43.2

55 19.2 17.4 26.0

61 25.4 21.1 31.7

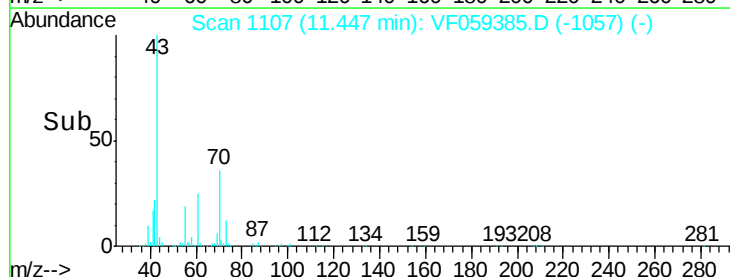
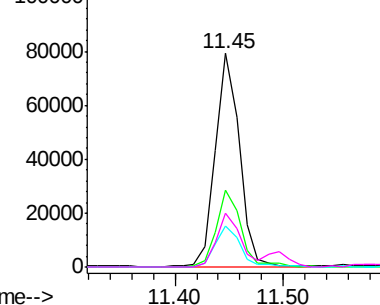


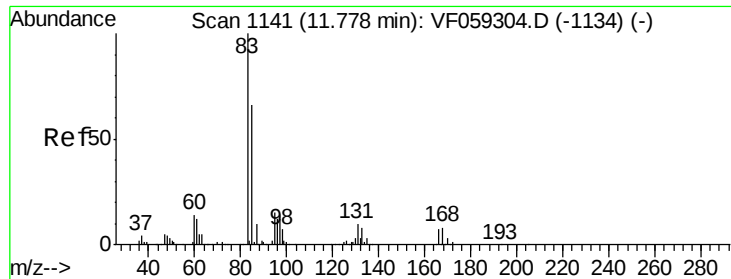
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 21.71 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

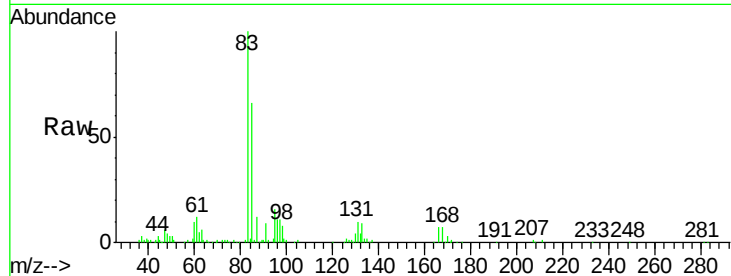
Tot Ion: 83 Resp: 80941

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.6

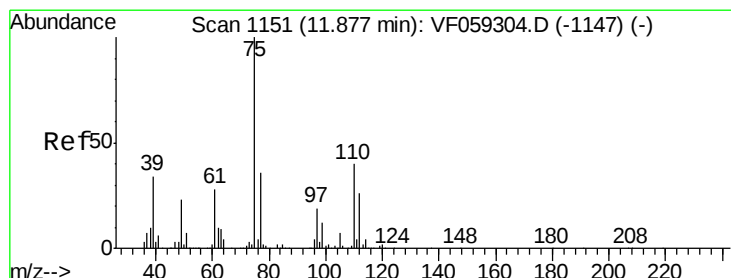
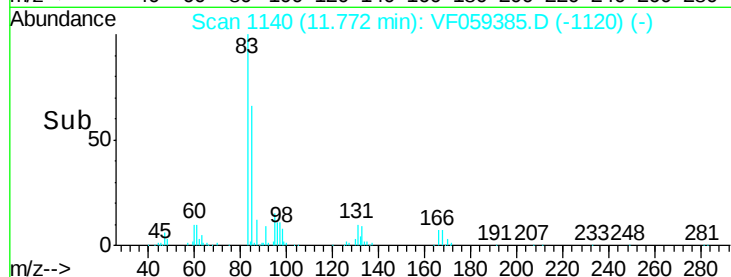
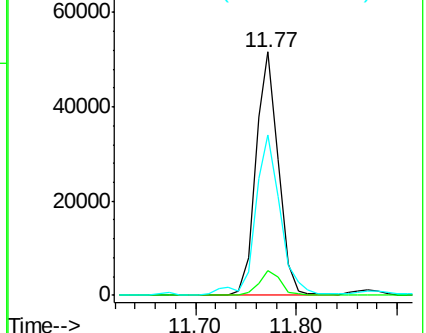
85 66.0 32.8 98.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 22.62 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF059385.D

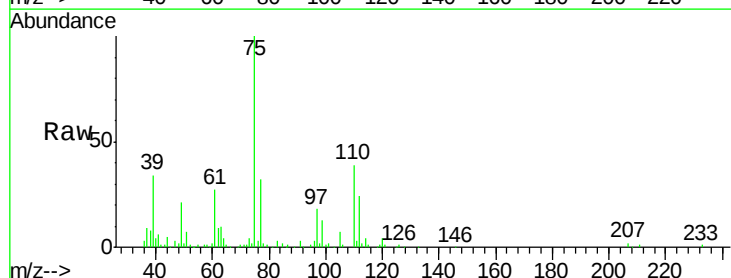
Acq: 2 Jul 2018 14:22

Tgt Ion: 75 Resp: 63614

Ion Ratio Lower Upper

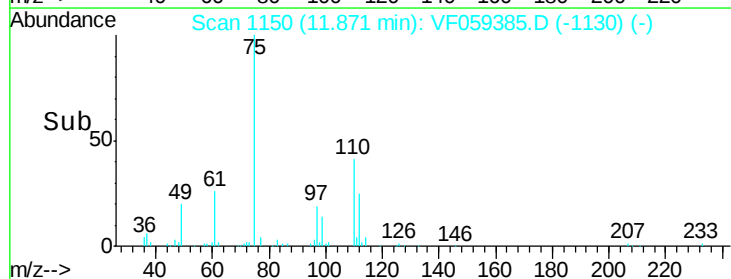
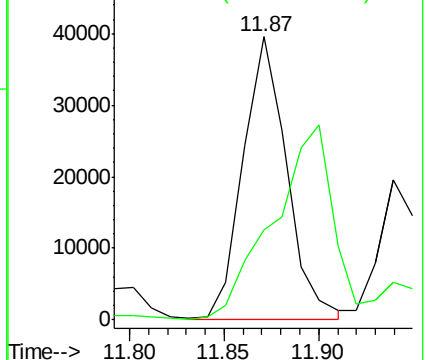
75 100

77 31.7 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: 22.64 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

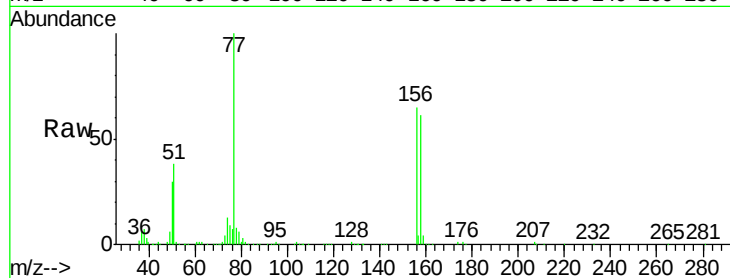
Tot Ion:156 Resp: 92712

Ion Ratio Lower Upper

156 100

77 154.9 79.7 238.9

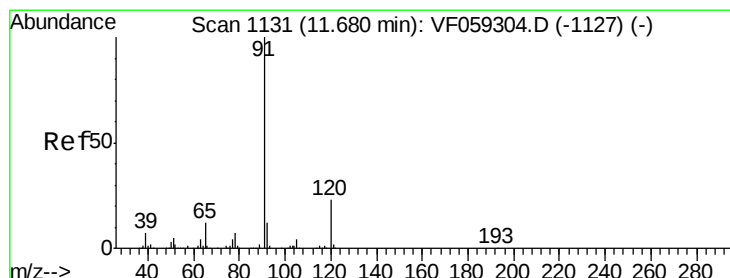
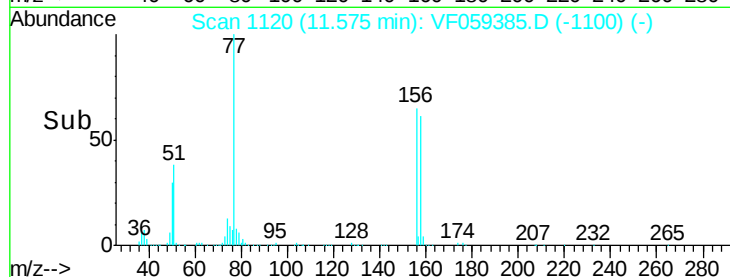
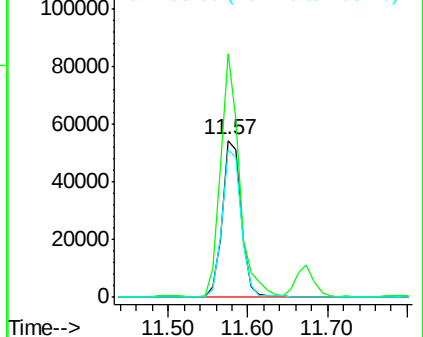
158 94.1 46.2 138.6



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: 22.55 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF059385.D

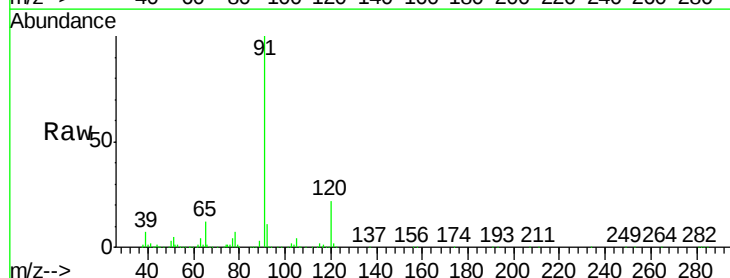
Acq: 2 Jul 2018 14:22

Tgt Ion: 91 Resp: 399828

Ion Ratio Lower Upper

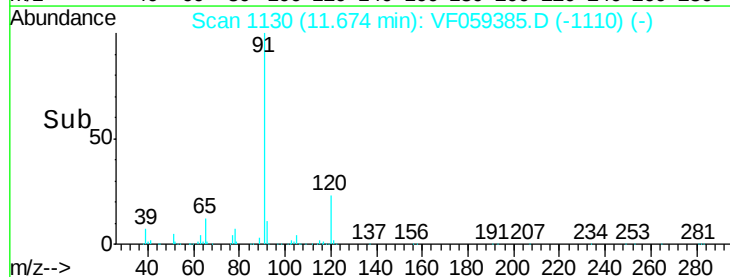
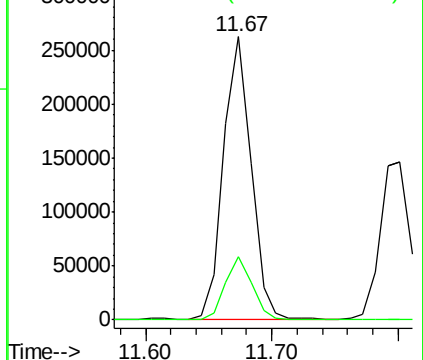
91 100

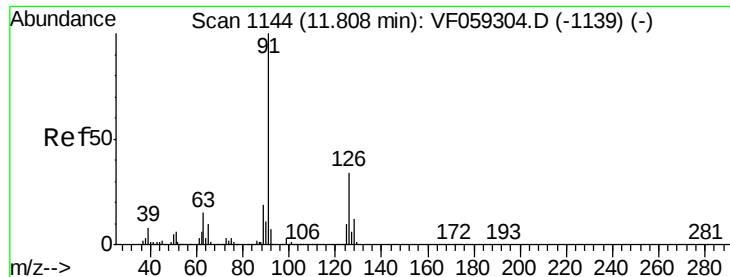
120 22.5 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.43 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

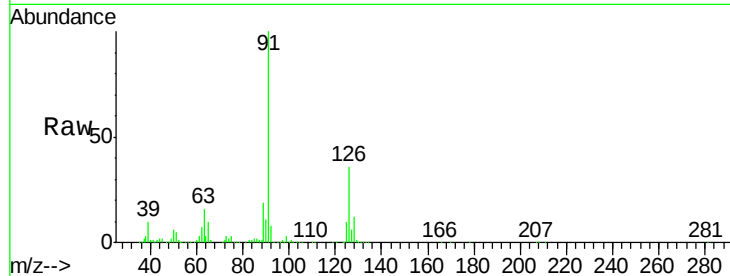
VF0702SBS01

Tot Ion: 91 Resp: 242914

Ion Ratio Lower Upper

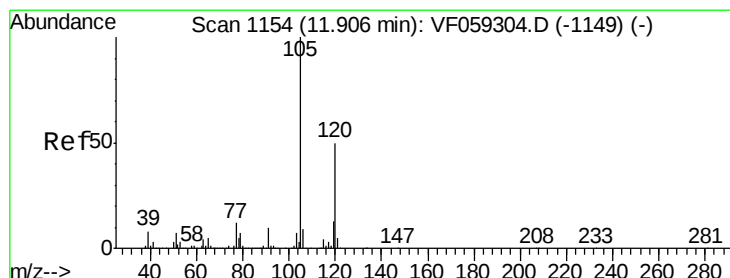
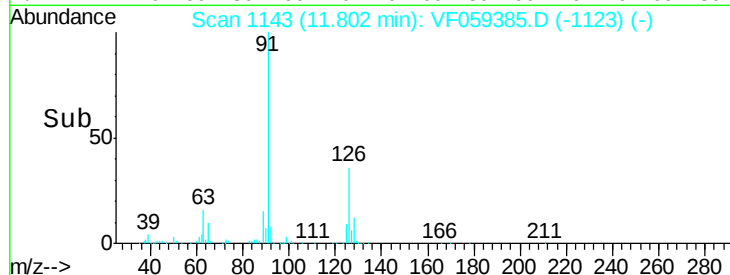
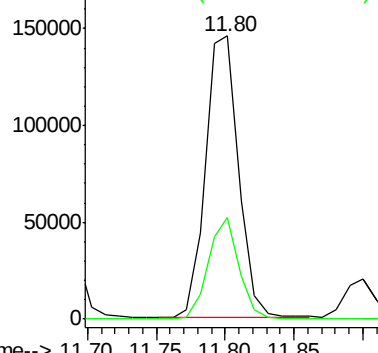
91 100

126 35.9 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 23.17 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059385.D

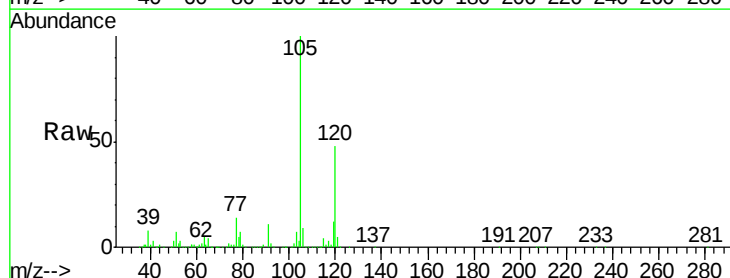
Acq: 2 Jul 2018 14:22

Tgt Ion:105 Resp: 299657

Ion Ratio Lower Upper

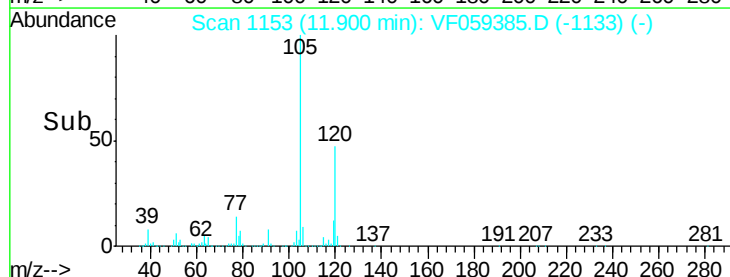
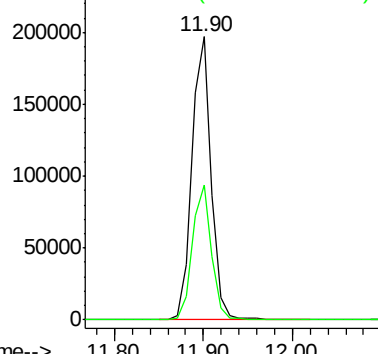
105 100

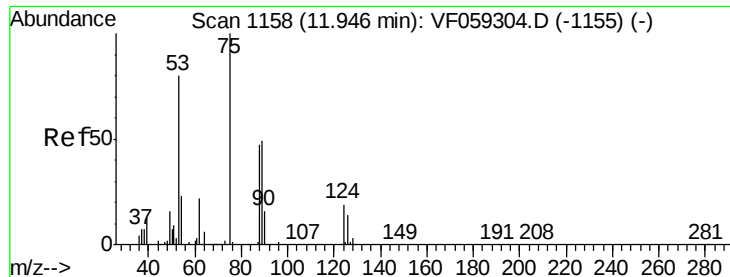
120 47.6 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

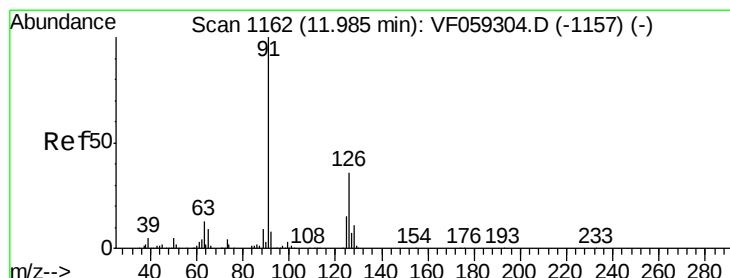
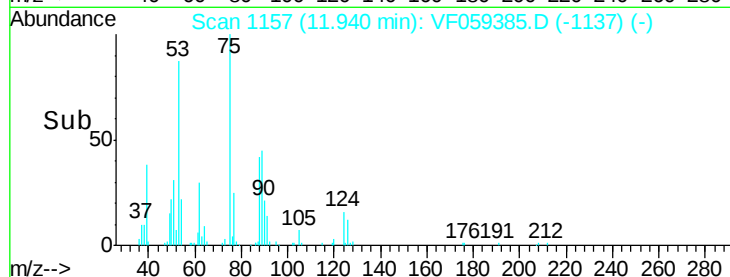
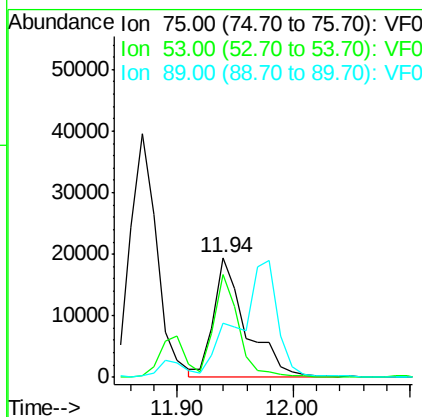
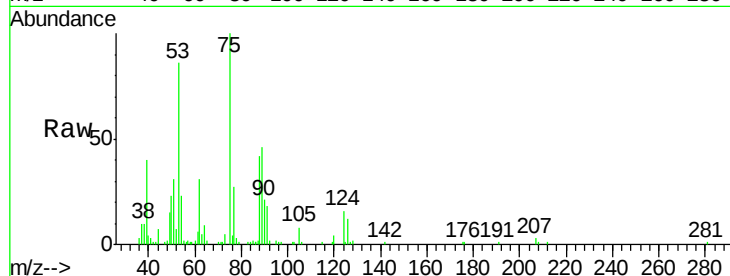




#81
trans-1,4-Dichloro-2-butene
Concen: 22.74 ug/l
RT: 11.94 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

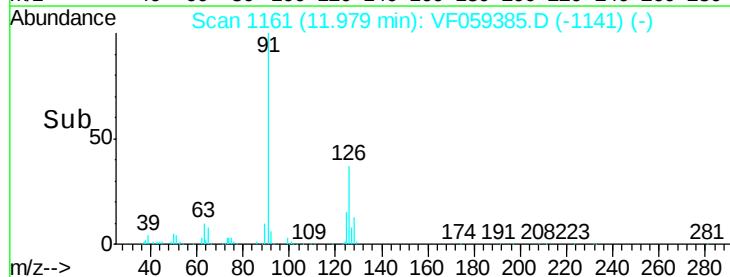
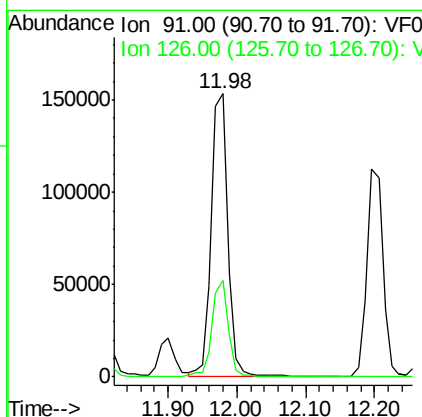
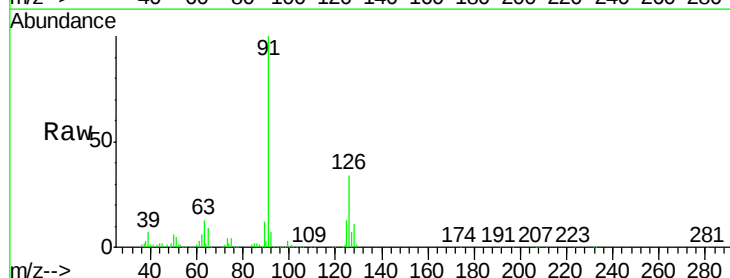
Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

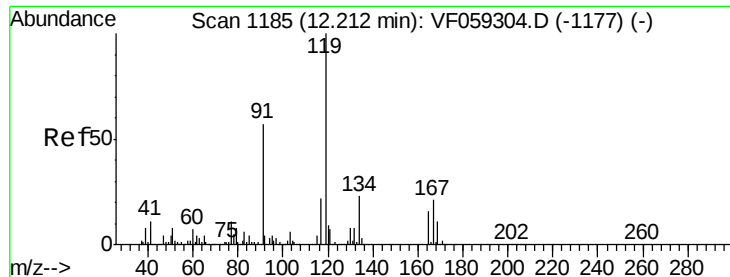
Tot Ion: 75 Resp: 38069
Ion Ratio Lower Upper
75 100
53 86.0 68.8 103.2
89 45.7 42.0 63.0



#82
4-Chlorotoluene
Concen: 22.09 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion: 91 Resp: 256320
Ion Ratio Lower Upper
91 100
126 34.3 18.2 54.6





#83

tert-Butylbenzene

Concen: 23.36 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

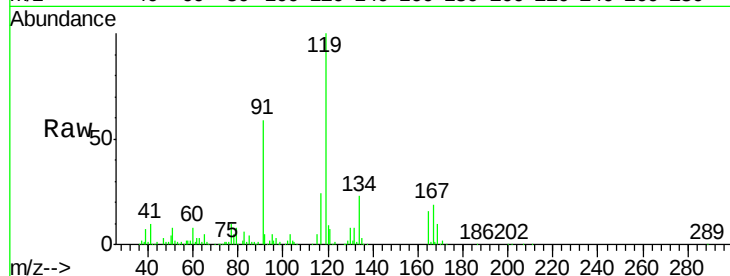
Tot Ion:119 Resp: 302102

Ion Ratio Lower Upper

119 100

91 59.1 28.4 85.2

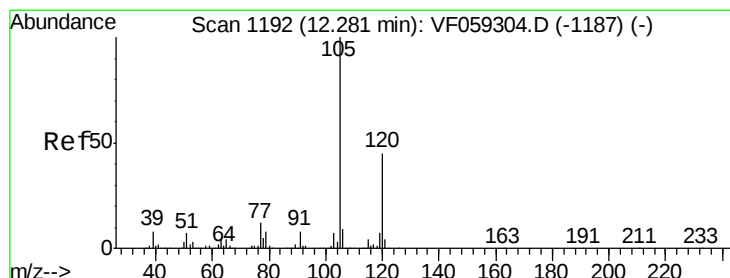
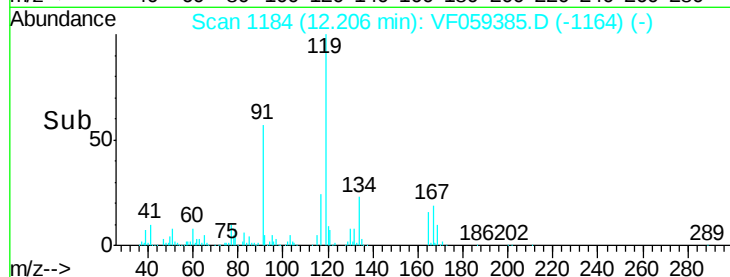
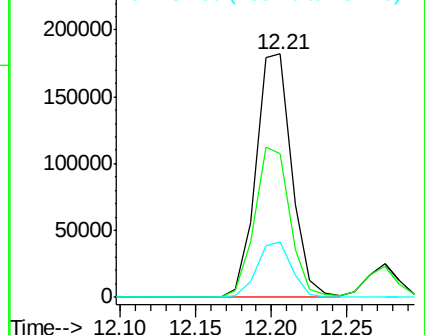
134 22.5 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.23 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VF059385.D

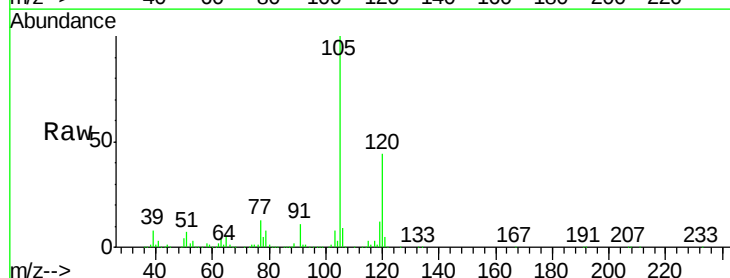
Acq: 2 Jul 2018 14:22

Tgt Ion:105 Resp: 302747

Ion Ratio Lower Upper

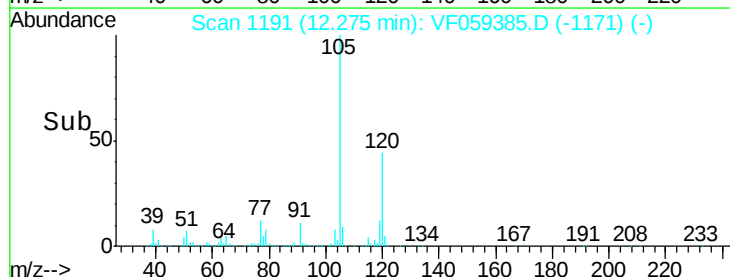
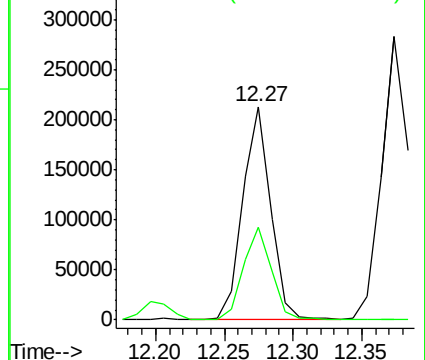
105 100

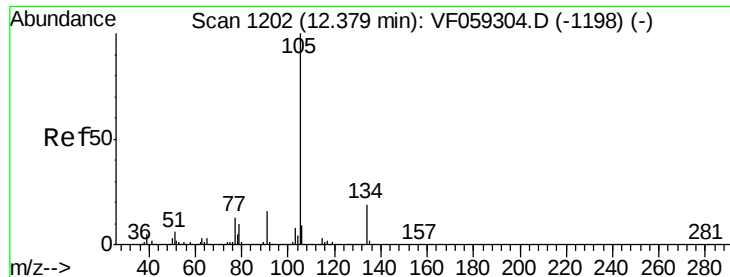
120 43.5 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.87 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

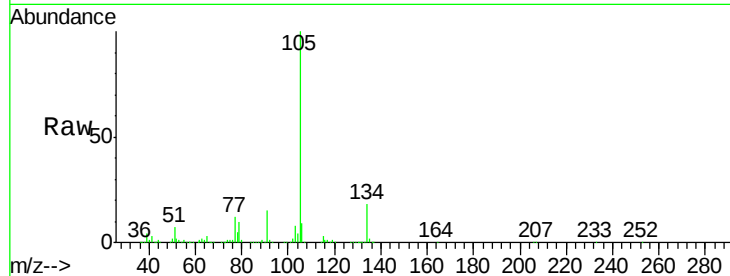
VF0702SBS01

Tot Ion:105 Resp: 392044

Ion Ratio Lower Upper

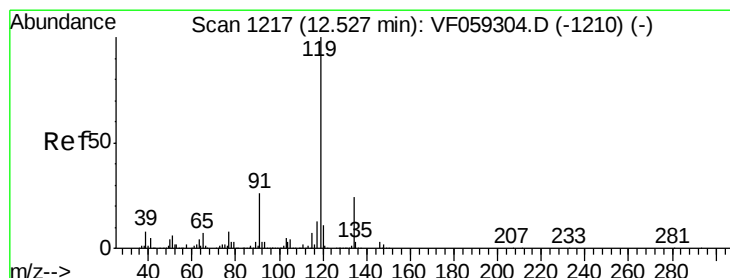
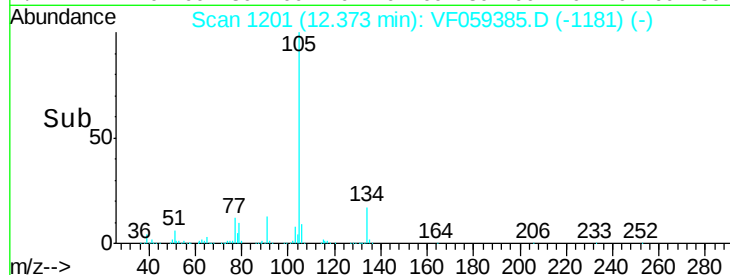
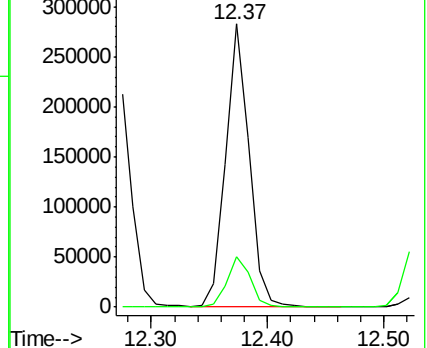
105 100

134 17.8 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: 23.68 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

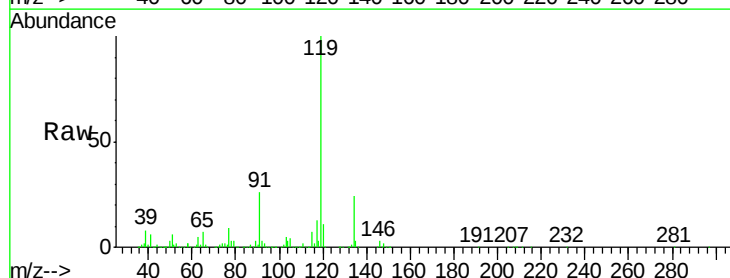
Tgt Ion:119 Resp: 340763

Ion Ratio Lower Upper

119 100

134 23.6 12.2 36.4

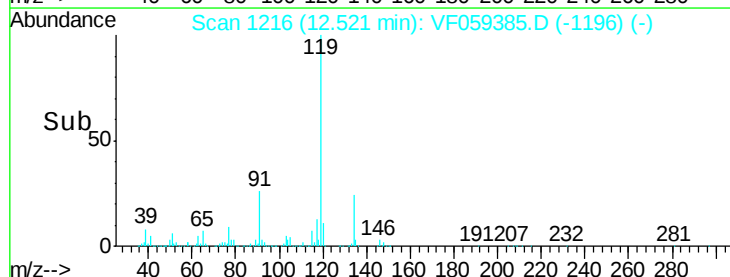
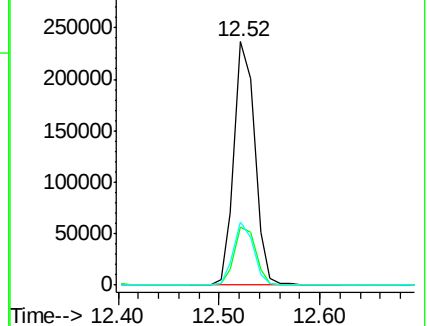
91 25.7 12.9 38.6

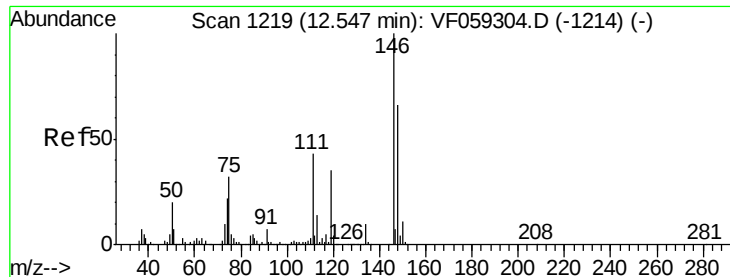


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

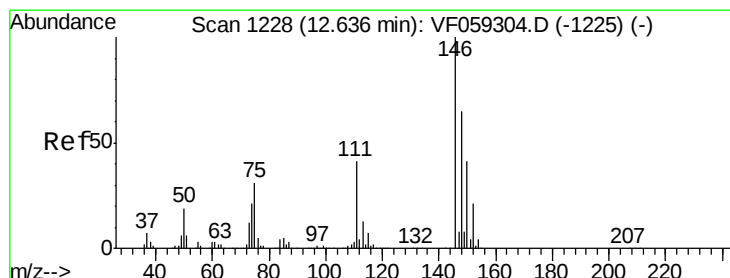
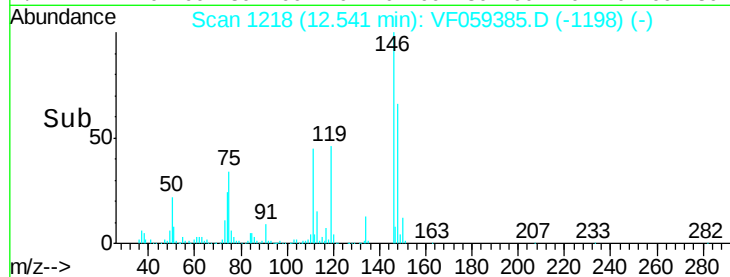
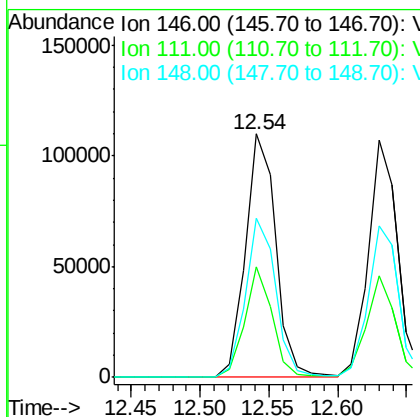
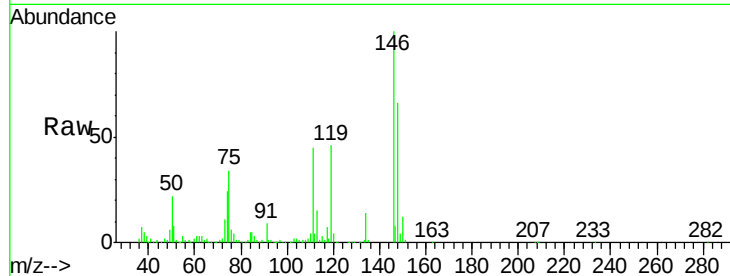




#87
 1,3-Dichlorobenzene
 Concen: 22.73 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

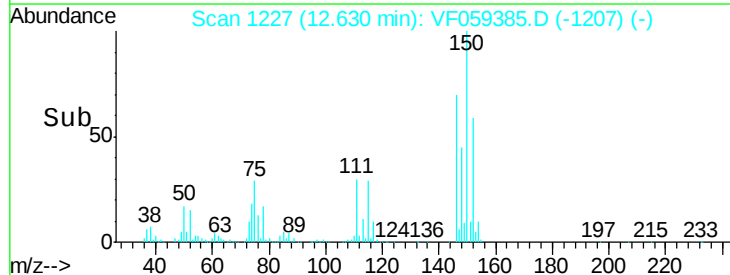
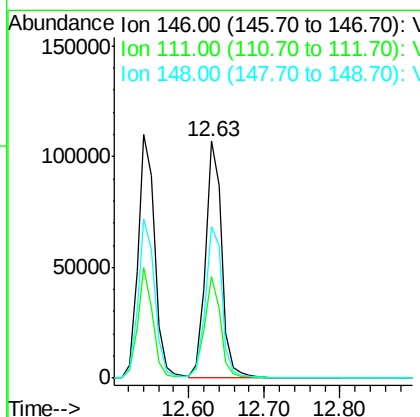
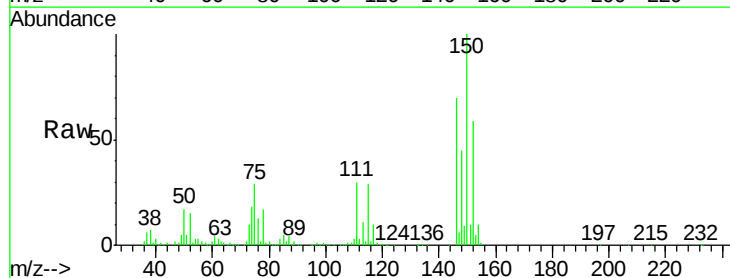
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

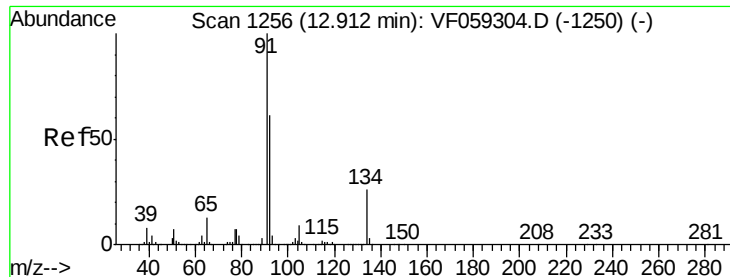
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.4	64.2
148	65.6	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 22.06 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.7	62.1
148	63.7	32.8	98.3





#89

n-Butylbenzene

Concen: 23.34 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

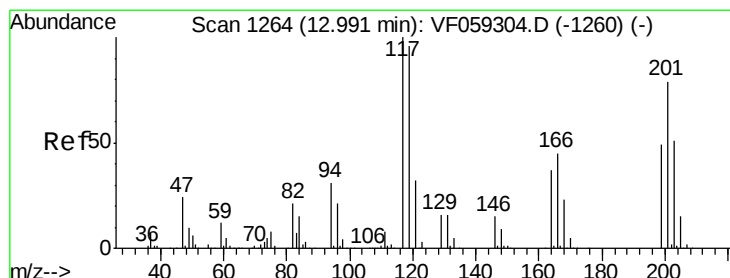
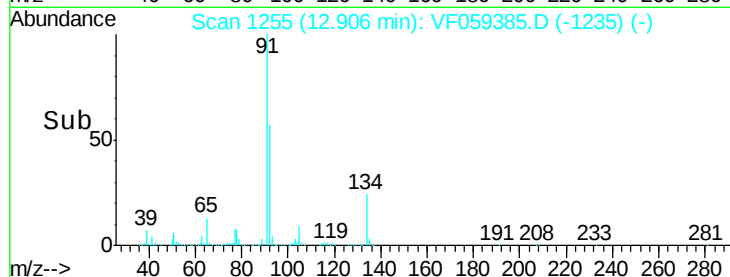
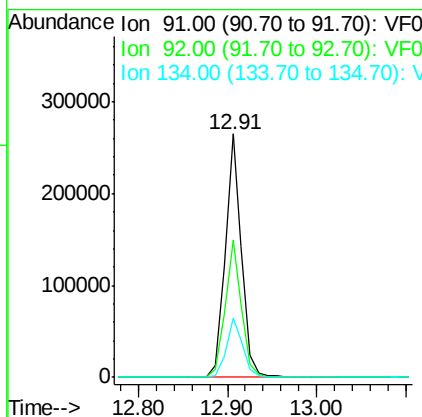
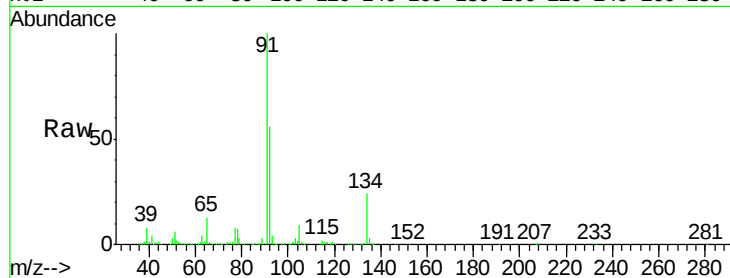
Tot Ion: 91 Resp: 340902

Ion Ratio Lower Upper

91 100

92 56.5 30.3 91.0

134 24.3 12.9 38.7



#90

Hexachloroethane

Concen: 22.43 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF059385.D

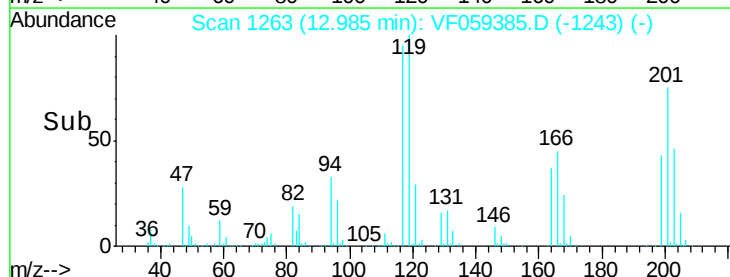
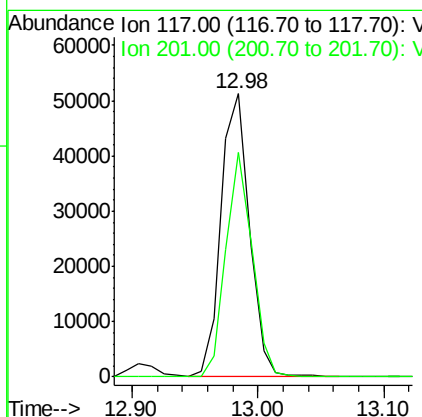
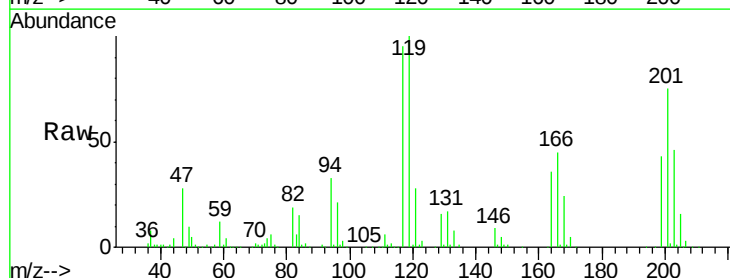
Acq: 2 Jul 2018 14:22

Tgt Ion: 117 Resp: 80434

Ion Ratio Lower Upper

117 100

201 79.2 39.5 118.5





#91

1,2-Dichlorobenzene

Concen: 22.04 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

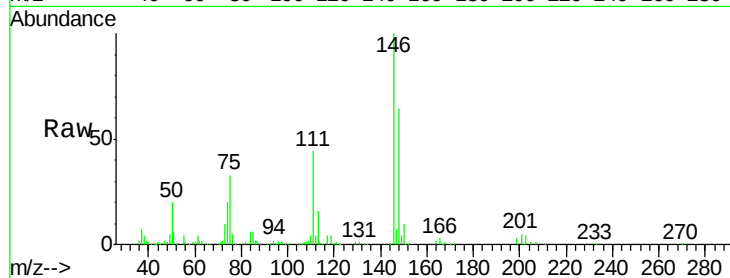
Tot Ion:146 Resp: 163866

Ion Ratio Lower Upper

146 100

111 44.2 22.7 68.0

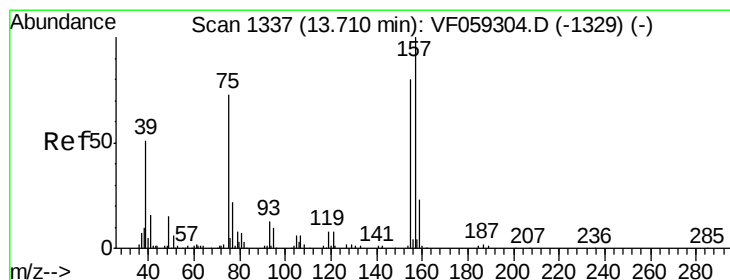
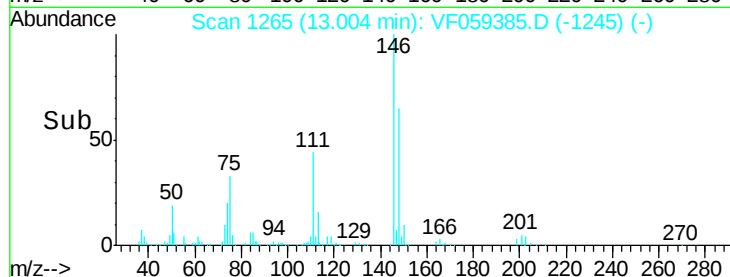
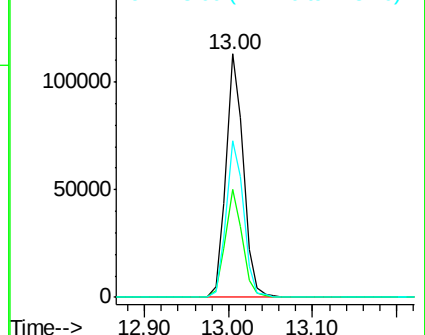
148 64.5 33.5 100.4



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: 20.01 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

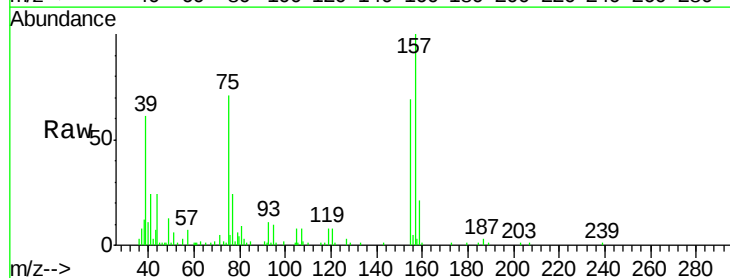
Tgt Ion: 75 Resp: 16540

Ion Ratio Lower Upper

75 100

155 97.6 54.6 163.8

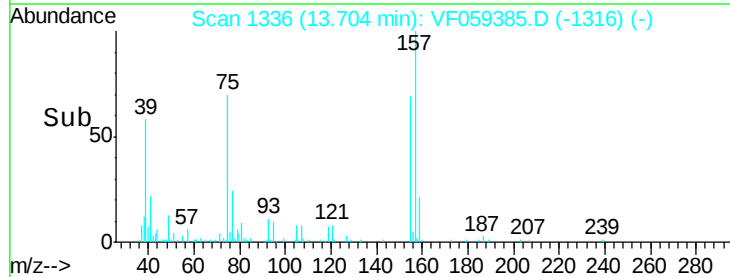
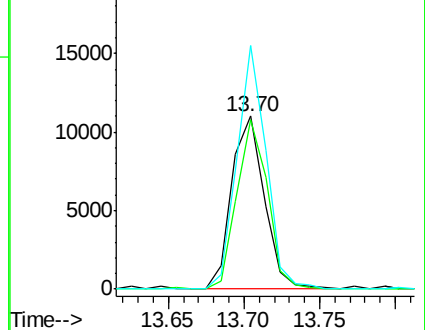
157 140.8 68.7 205.9



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

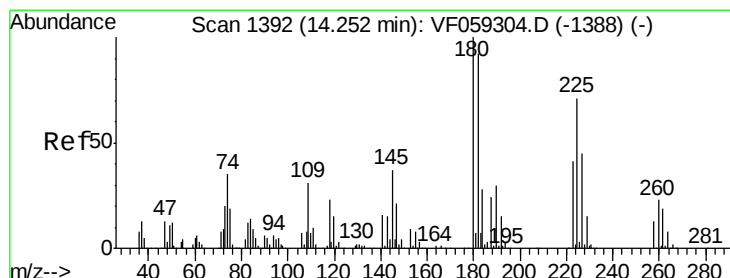
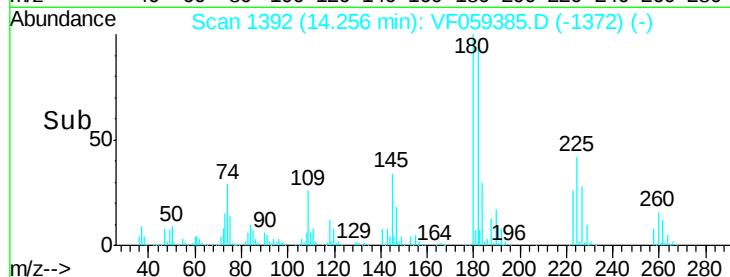
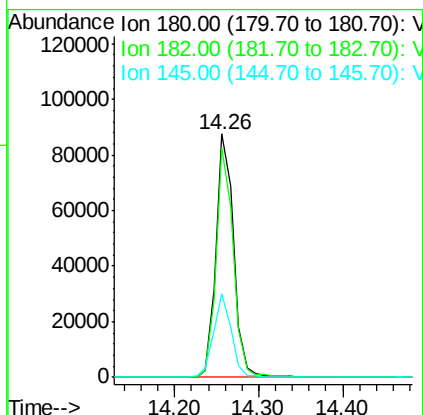
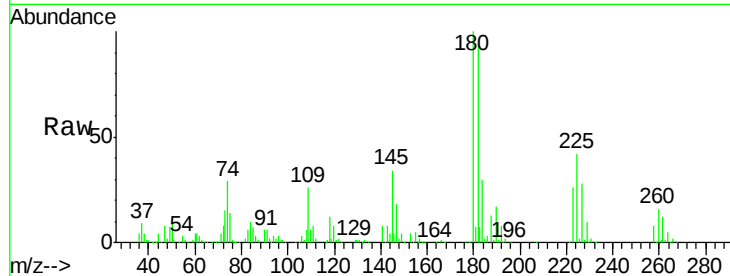




#93
 1,2,4-Trichlorobenzene
 Concen: 23.29 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

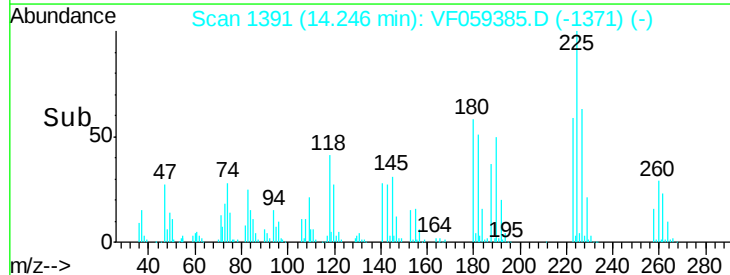
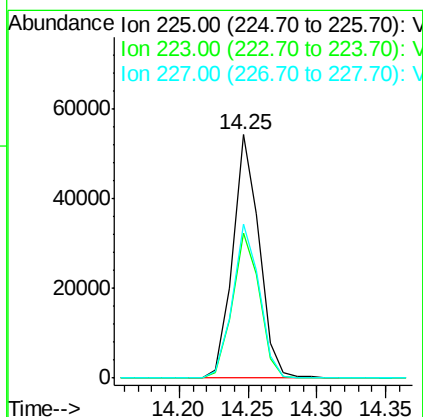
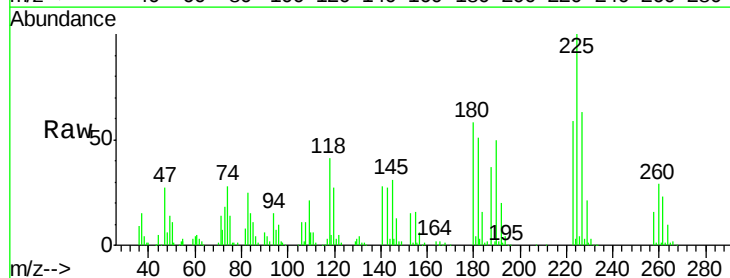
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

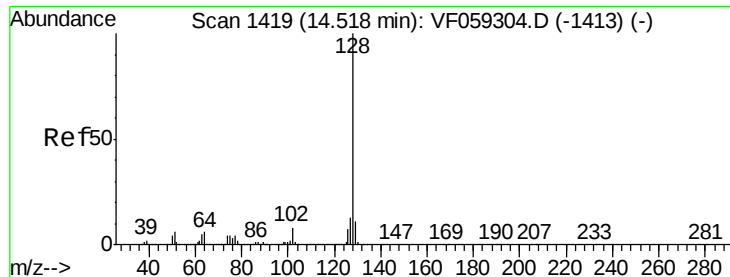
Tot Ion	180	Resp	128032
Ion Ratio	100	Lower	Upper
182	94.0	48.1	144.3
145	34.5	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 23.62 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Tgt Ion	225	Resp	72537
Ion Ratio	100	Lower	Upper
223	59.5	28.9	86.8
227	63.0	31.3	93.8





#95

Naphthalene

Concen: 21.96 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

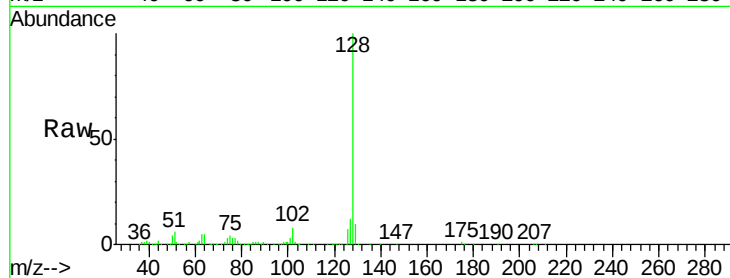
MSVOA_F

ClientSampleId :

VF0702SBS01

Tot Ion:128 Resp: 252594

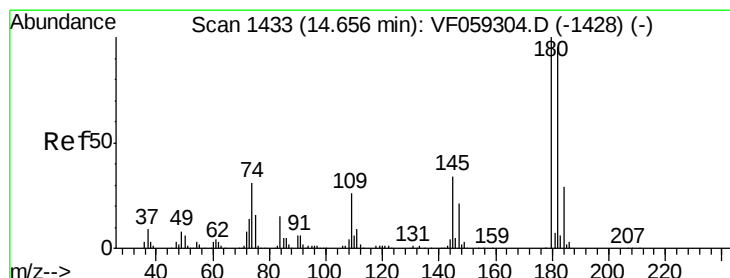
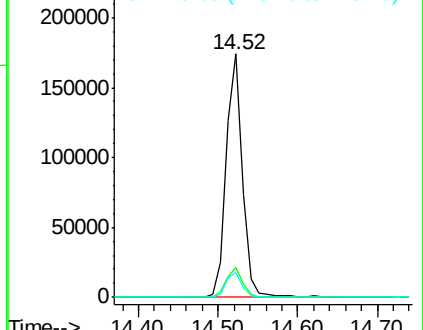
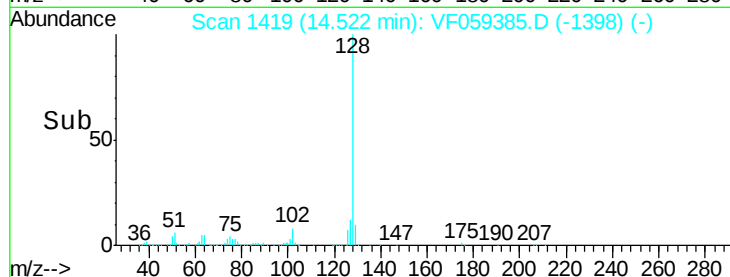
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	10.0	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.46 ug/l

RT: 14.67 min Scan# 1434

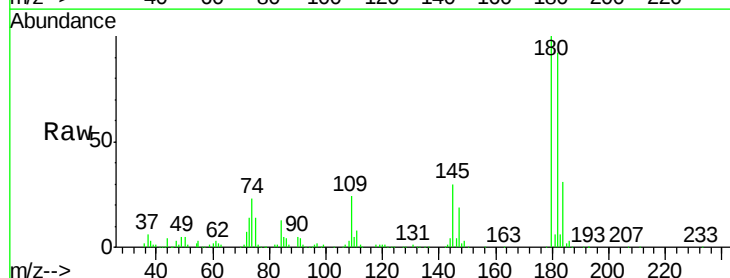
Delta R.T. 0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Tgt Ion:180 Resp: 116977

Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.5	142.5
145	29.7	17.0	50.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

