

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059324.D
 Acq On : 26 Jun 2018 18:37
 Operator : VA/AP
 Sample : J3663-04MSD
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB472-13-15-180618

Quant Time: Jun 27 02:21:54 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	5.03	168	284777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	450572	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	434468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	225087	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	181343	49.29	ug/l	-0.01
Spiked Amount			Recovery	=	98.58%	
35) Dibromofluoromethane	4.27	113	156462	47.53	ug/l	-0.01
Spiked Amount			Recovery	=	95.06%	
50) Toluene-d8	7.69	98	427880	52.49	ug/l	-0.01
Spiked Amount			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	11.49	95	219305	47.70	ug/l	-0.01
Spiked Amount			Recovery	=	95.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	129506	49.775	ug/l	97
3) Chloromethane	1.08	50	80402	45.998	ug/l	95
4) Vinyl Chloride	1.14	62	86797	50.447	ug/l	96
5) Bromomethane	1.33	94	52990	55.245	ug/l	93
6) Chloroethane	1.42	64	41828	48.268	ug/l	91
7) Trichlorofluoromethane	1.48	101	53512	15.728	ug/l	84
8) Diethyl Ether	1.69	74	46861	53.717	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.89	101	102751	51.738	ug/l	95
10) Methyl Iodide	1.96	142	174430	48.165	ug/l	99
11) Tert butyl alcohol	2.67	59	80333	327.966	ug/l	96
12) 1,1-Dichloroethene	1.85	96	91769	54.659	ug/l	79
13) Acrolein	2.08	56	19344	158.552	ug/l	100
14) Allyl chloride	2.18	41	152515	48.392	ug/l	88
15) Acrylonitrile	3.05	53	153637	356.185	ug/l	84
16) Acetone	2.32	43	894257	1003.954	ug/l	96
17) Carbon Disulfide	1.86	76	202360	51.239	ug/l	96
18) Methyl Acetate	2.43	43	126092	76.547	ug/l	93
19) Methyl tert-butyl Ether	2.52	73	333781	53.299	ug/l	95
20) Methylene Chloride	2.27	84	54728	22.452	ug/l	94
21) trans-1,2-Dichloroethene	2.40	96	93583	52.252	ug/l	83
22) Diisopropyl ether	2.91	45	395267	56.636	ug/l	94
23) Vinyl Acetate	3.31	43	863139	194.196	ug/l	100
24) 1,1-Dichloroethane	2.98	63	211558	48.891	ug/l	100
25) 2-Butanone	4.48	43	659379	596.228	ug/l	97
26) 2,2-Dichloropropane	3.74	77	108724	36.429	ug/l	95
27) cis-1,2-Dichloroethene	3.62	96	276022	101.508	ug/l	86
28) Bromochloromethane	3.86	49	97101	59.216	ug/l	90
29) Tetrahydrofuran	4.23	42	155635	331.776	ug/l	100
30) Chloroform	4.01	83	310399	49.551	ug/l	99
31) Cyclohexane	3.85	56	153891	54.289	ug/l	93
32) 1,1,1-Trichloroethane	4.25	97	217347	47.413	ug/l	96
36) 1,1-Dichloropropene	4.43	75	195600	49.694	ug/l	96
37) Ethyl Acetate	4.27	43	155922	62.289	ug/l	95
38) Carbon Tetrachloride	4.15	117	229135	46.128	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	200201	57.397	ug/l	96
40) Benzene	4.79	78	474897	54.416	ug/l	97
41) Methacrylonitrile	4.90	41	74605	55.565	ug/l	88
42) 1,2-Dichloroethane	5.09	62	252027	49.421	ug/l	97
43) Isopropyl Acetate	7.09	43	199999	61.002	ug/l	96
44) Trichloroethene	5.66	130	157688	52.671	ug/l	91
45) 1,2-Dichloropropane	6.38	63	133068	53.367	ug/l	99
46) Dibromomethane	6.23	93	109955	50.807	ug/l	98
47) Bromodichloromethane	6.52	83	251589	48.025	ug/l	93
48) Methyl methacrylate	6.85	41	132754	60.415	ug/l	94
49) 1,4-Dioxane	6.85	88	17516	1515.944	ug/l #	85
51) 4-Methyl-2-Pentanone	8.39	43	1032434	425.054	ug/l	100
52) Toluene	7.76	92	376296	57.623	ug/l	91
53) t-1,3-Dichloropropene	8.41	75	211551	44.302	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	241156	46.493	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	143893	56.751	ug/l	96
56) Ethyl methacrylate	8.74	69	193698	61.669	ug/l	95
57) 1,3-Dichloropropane	8.98	76	227612	52.343	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	68028	288.785	ug/l	100
59) 2-Hexanone	9.61	43	538302	298.259	ug/l	99
60) Dibromochloromethane	8.84	129	194874	49.783	ug/l	94
61) 1,2-Dibromoethane	9.12	107	161517	52.526	ug/l	98
64) Tetrachloroethene	8.29	164	223291	79.241	ug/l	99
65) Chlorobenzene	9.92	112	2026144	251.672	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.05	131	167341	48.059	ug/l	97
67) Ethyl Benzene	10.02	91	739770	54.165	ug/l	99
68) m/p-Xylenes	10.25	106	592777	121.943	ug/l	97
69) o-Xylene	10.81	106	276583	50.868	ug/l	96
70) Styrene	10.89	104	414795	50.081	ug/l	97
71) Bromoform	10.87	173	128874	53.999	ug/l	97
73) Isopropylbenzene	11.22	105	776311	59.202	ug/l	100
74) N-amyl acetate	11.45	43	269142	56.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	188088	56.795	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	152451	61.026	ug/l	98
77) Bromobenzene	11.58	156	206961	56.887	ug/l	90
78) n-propylbenzene	11.68	91	925155	58.747	ug/l	100
79) 2-Chlorotoluene	11.80	91	542178	56.351	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	852183	74.190	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	72984	49.086	ug/l	98
82) 4-Chlorotoluene	11.97	91	553122	53.672	ug/l	90
83) tert-Butylbenzene	12.20	119	582910	50.739	ug/l	91
84) 1,2,4-Trimethylbenzene	12.28	105	1236842	102.240	ug/l	96
85) sec-Butylbenzene	12.38	105	888164	58.324	ug/l	95
86) p-Isopropyltoluene	12.53	119	788026	61.662	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	1011269	180.353	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	1598270	245.993	ug/l	93
89) n-Butylbenzene	12.91	91	700450	53.991	ug/l	98
90) Hexachloroethane	12.99	117	146592	46.023	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	5120575	775.295	ug/l	80
92) 1,2-Dibromo-3-Chloropropan	13.70	75	41953	57.146	ug/l	75

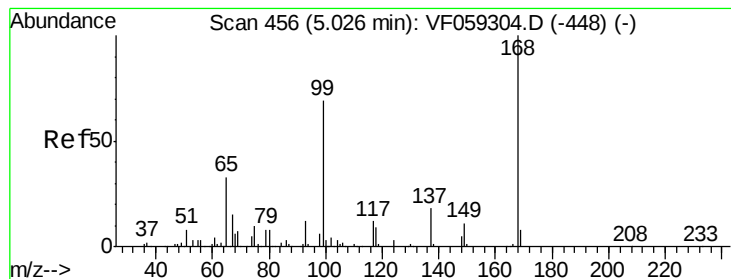
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	286049	58.573	ug/l	97
94) Hexachlorobutadiene	14.24	225	134037	49.137	ug/l	95
95) Naphthalene	14.51	128	1111648	108.795	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	260389	56.284	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

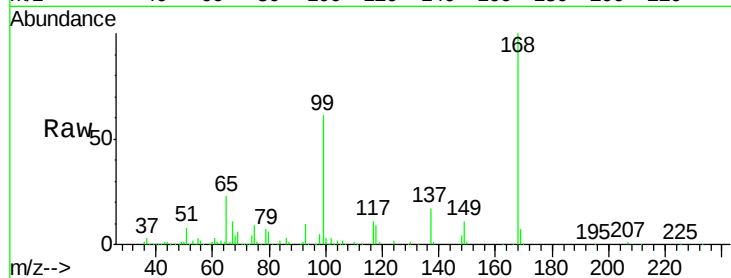
WP021SB472-13-15-180618

Tot Ion:168 Resp: 284777

Ion Ratio Lower Upper

168 100

99 61.4 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

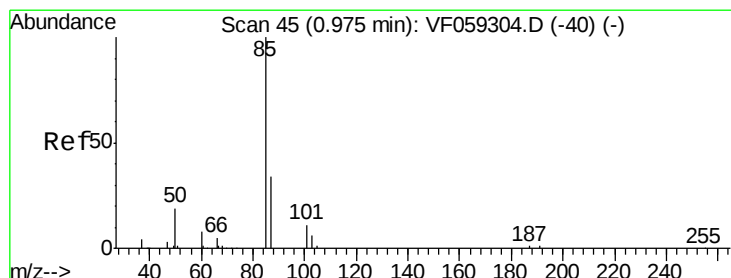
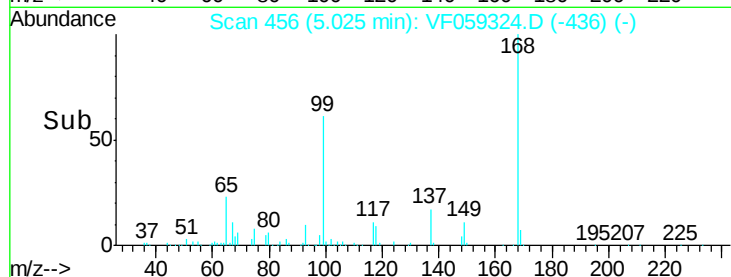
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.775 ug/l

RT: 0.97 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059324.D

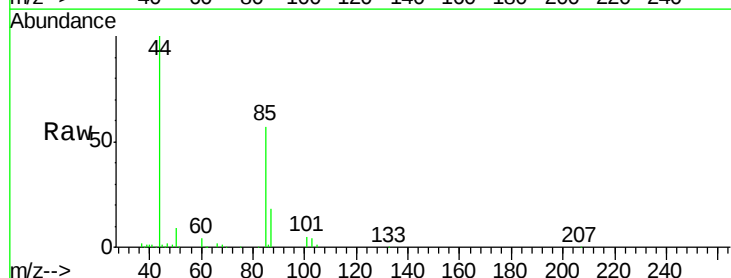
Acq: 26 Jun 2018 18:37

Tgt Ion: 85 Resp: 129506

Ion Ratio Lower Upper

85 100

87 32.2 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

40000

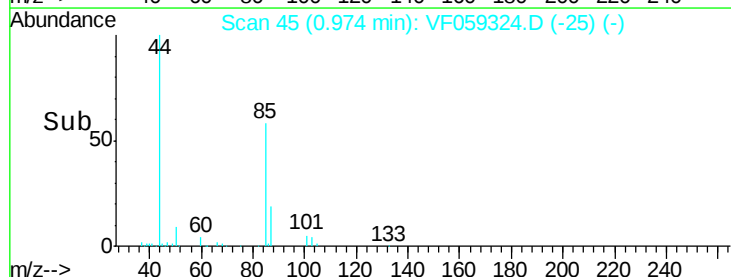
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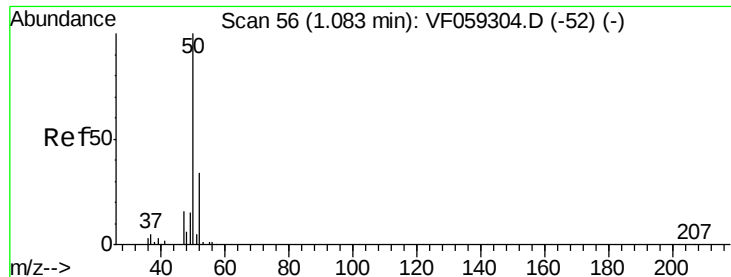
20000

10000

0

Time-->





#3

Chloromethane

Concen: 45.998 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

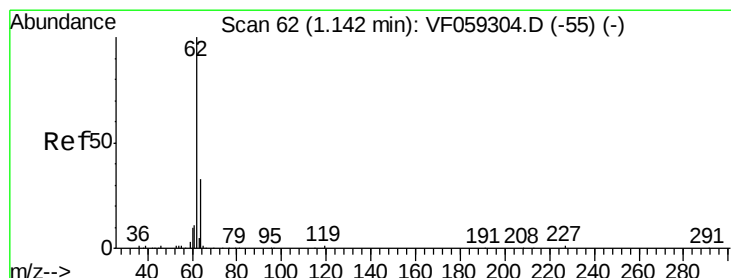
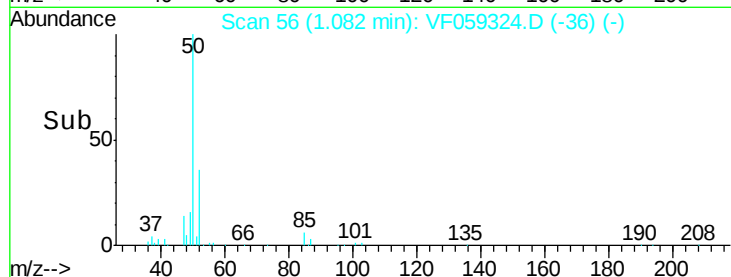
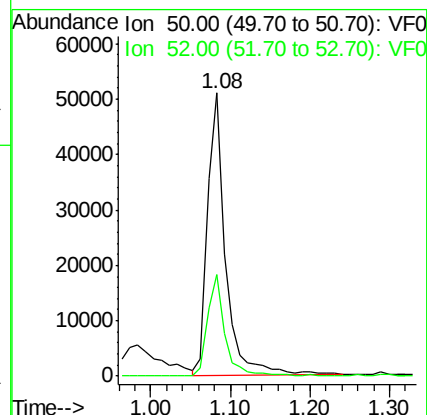
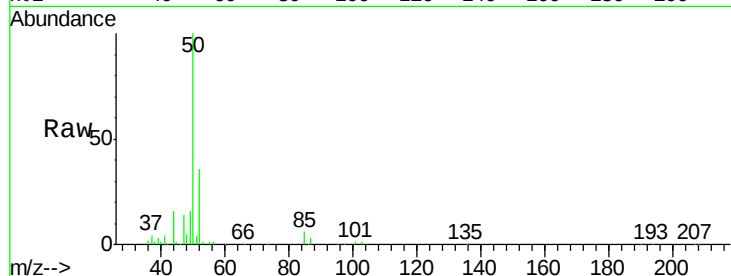
WP021SB472-13-15-180618

Tot Ion: 50 Resp: 80402

Ion Ratio Lower Upper

50 100

52 36.1 26.7 40.1



#4

Vinyl Chloride

Concen: 50.447 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059324.D

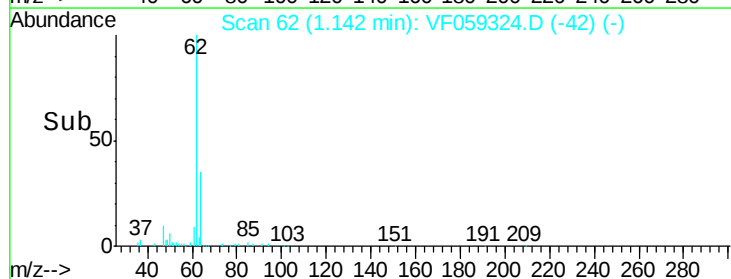
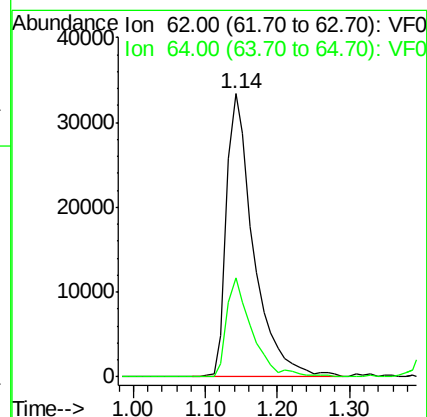
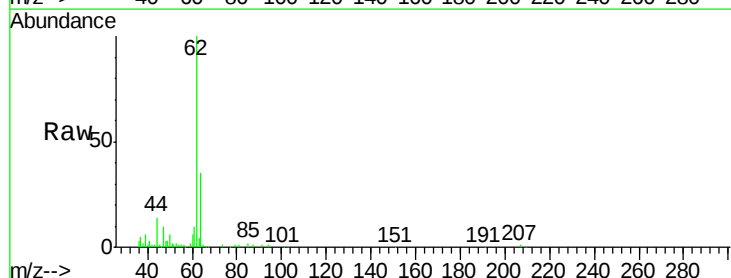
Acq: 26 Jun 2018 18:37

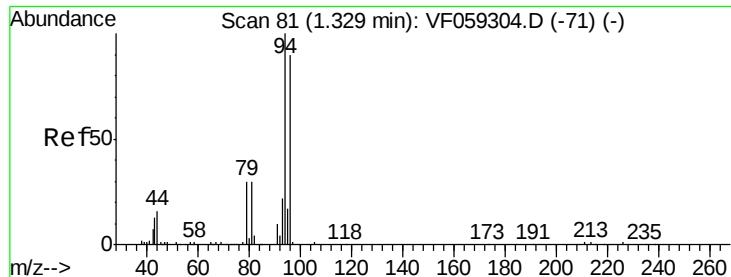
Tgt Ion: 62 Resp: 86797

Ion Ratio Lower Upper

62 100

64 34.9 26.3 39.5





#5

Bromomethane

Concen: 55.245 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

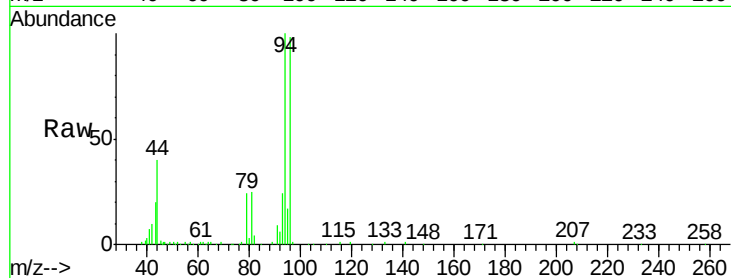
WP021SB472-13-15-180618

Tot Ion: 94 Resp: 52990

Ion Ratio Lower Upper

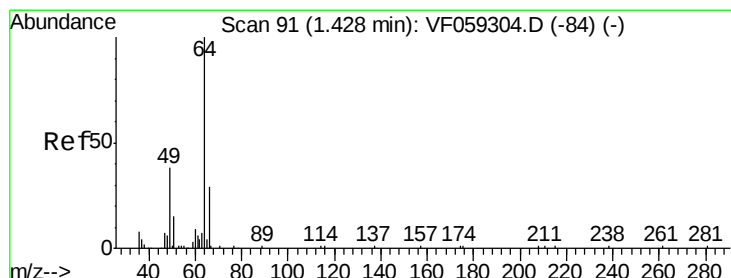
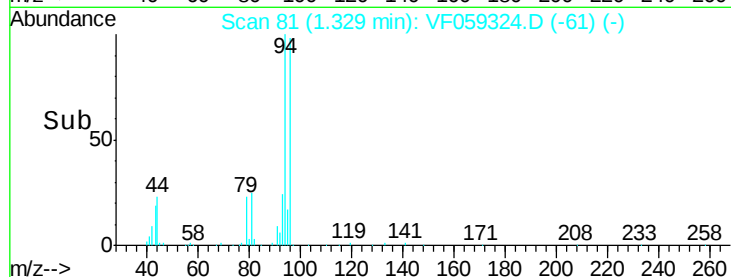
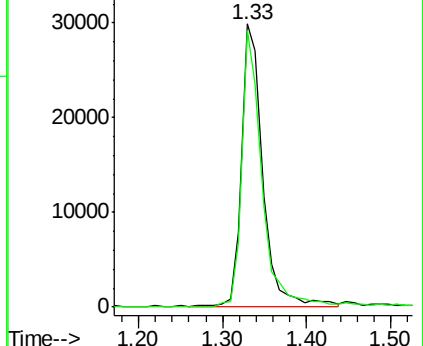
94 100

96 98.0 73.4 110.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 48.268 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059324.D

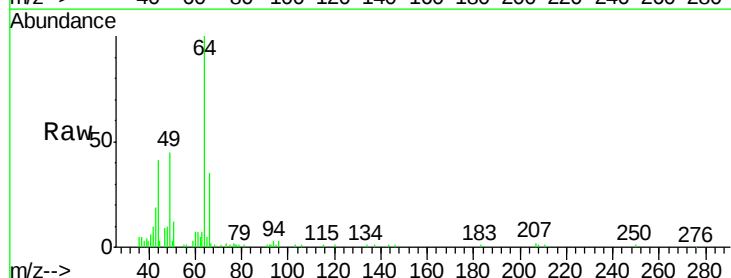
Acq: 26 Jun 2018 18:37

Tgt Ion: 64 Resp: 41828

Ion Ratio Lower Upper

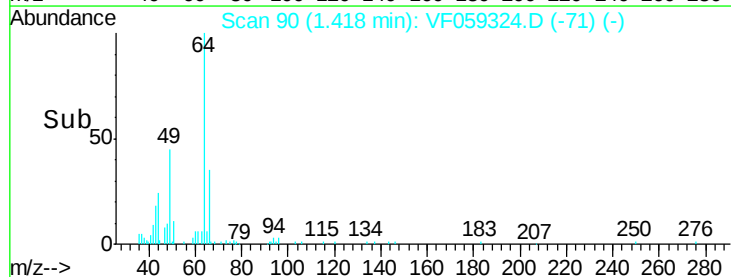
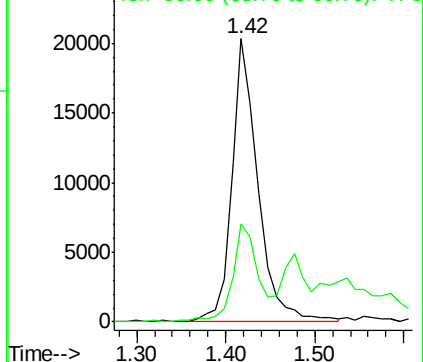
64 100

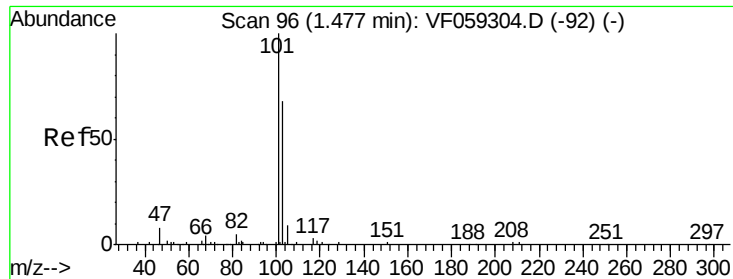
66 34.7 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 15.728 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.00 min

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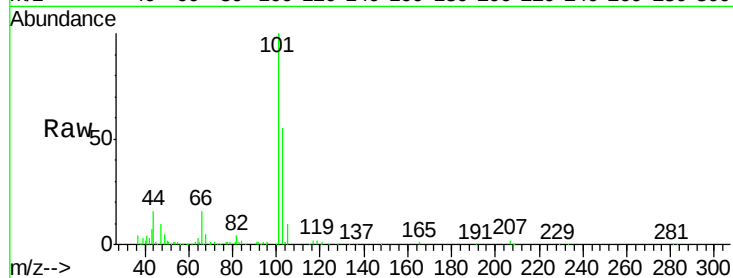
WP021SB472-13-15-180618

Tot Ion:101 Resp: 53512

Ion Ratio Lower Upper

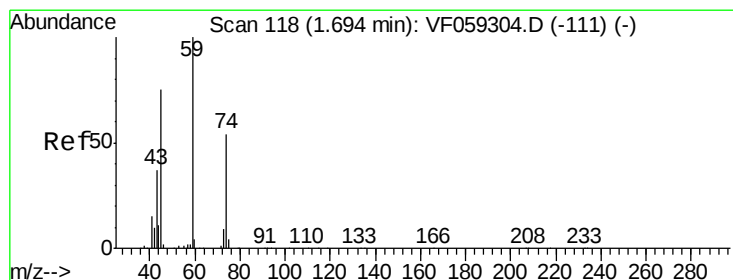
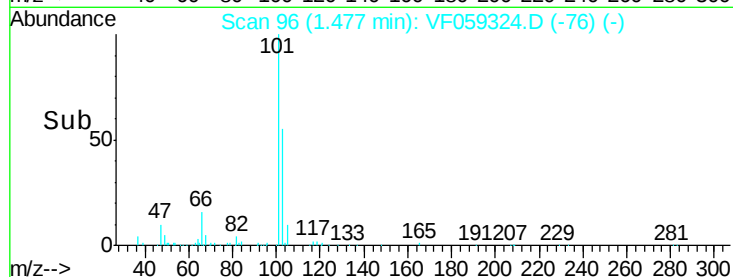
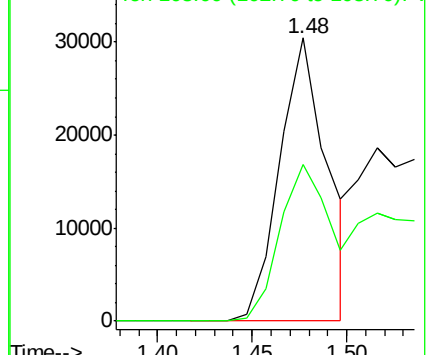
101 100

103 55.2 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: 53.717 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059324.D

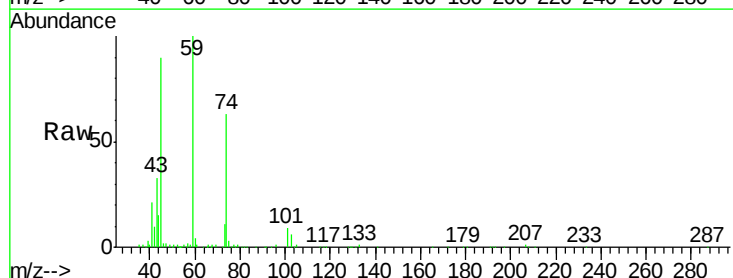
Acq: 26 Jun 2018 18:37

Tgt Ion: 74 Resp: 46861

Ion Ratio Lower Upper

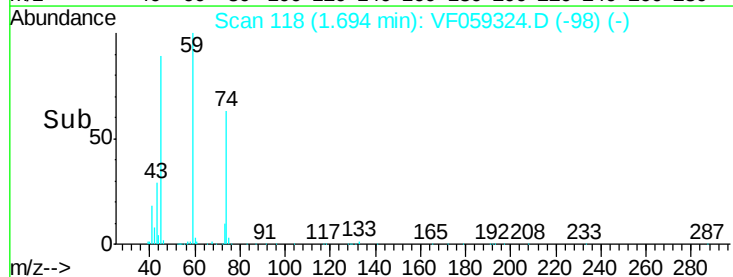
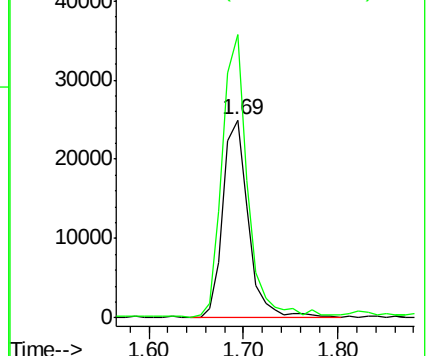
74 100

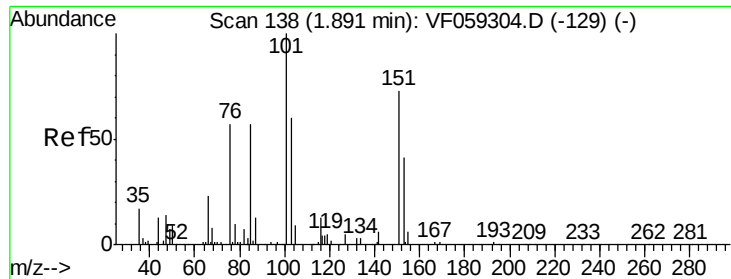
45 143.0 70.0 210.0



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: 51.738 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

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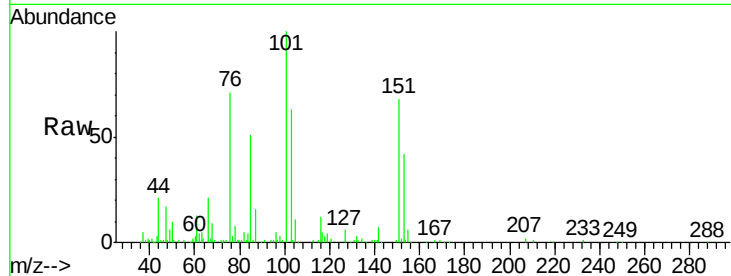
Tot Ion:101 Resp: 102751

Ion Ratio Lower Upper

101 100

85 50.5 44.5 66.7

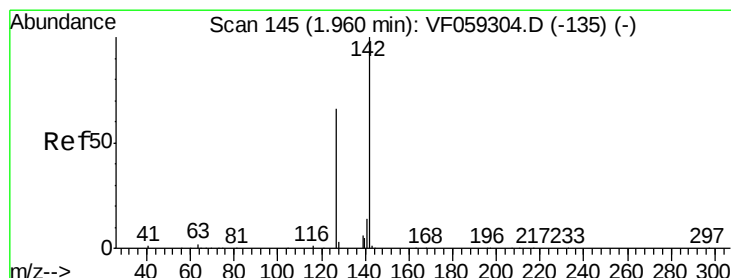
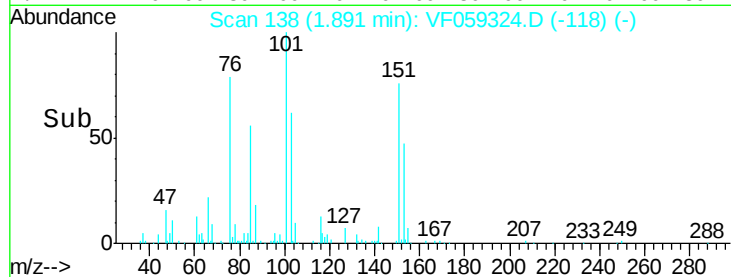
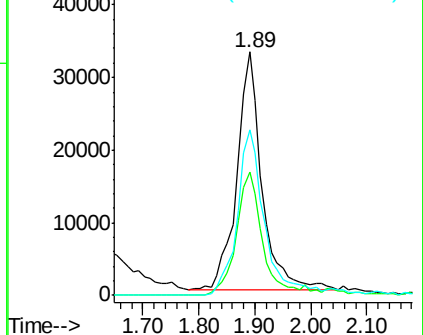
151 68.2 56.8 85.2



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: 48.165 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

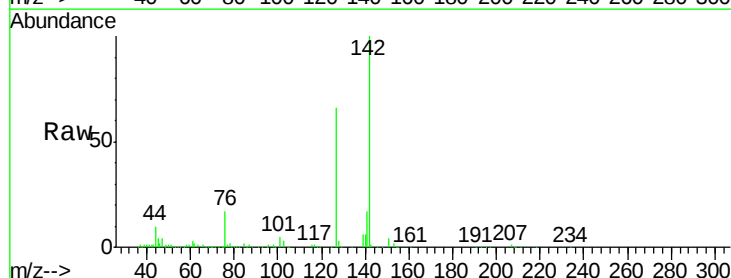
Tgt Ion:142 Resp: 174430

Ion Ratio Lower Upper

142 100

127 65.8 52.5 78.7

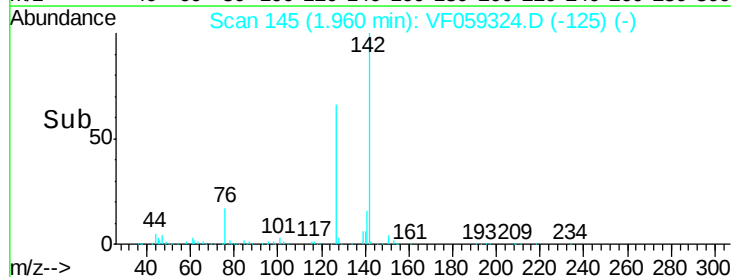
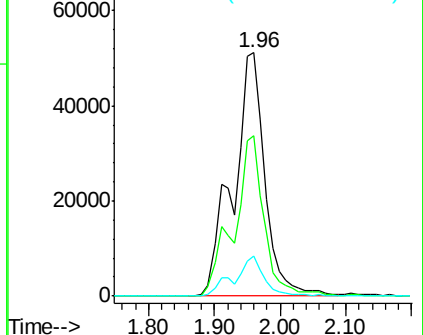
141 16.6 11.5 17.3

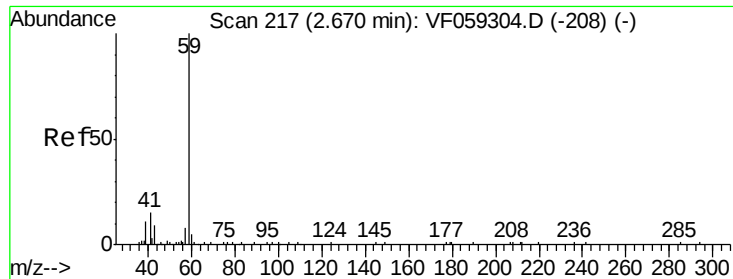


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



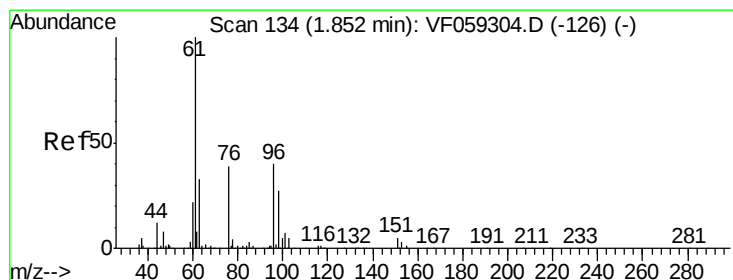
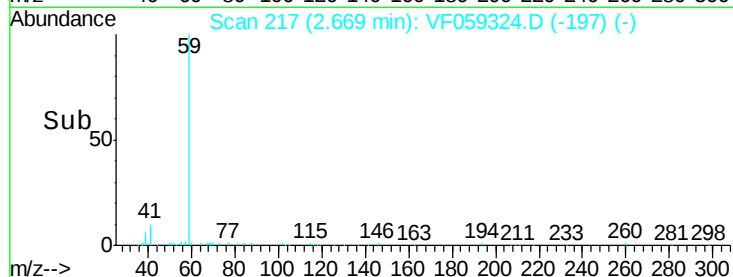
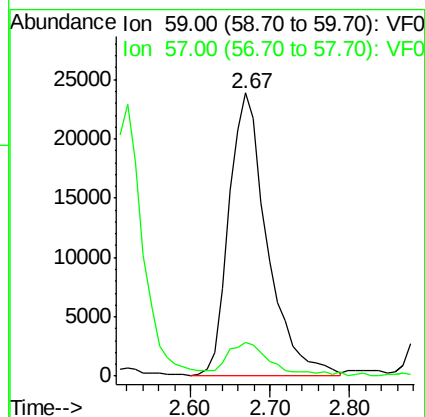
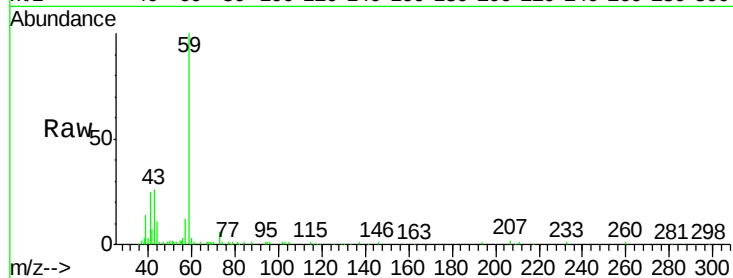


#11

Tert butyl alcohol
Concen: 327.966 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

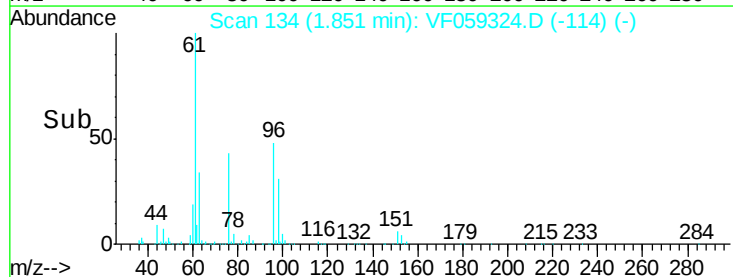
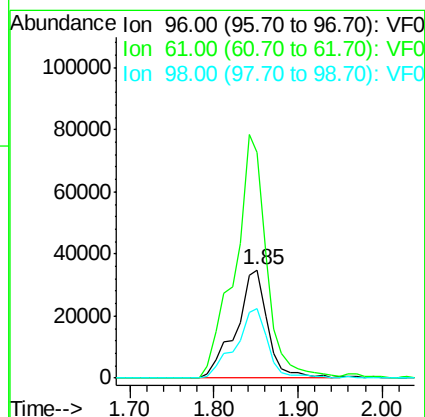
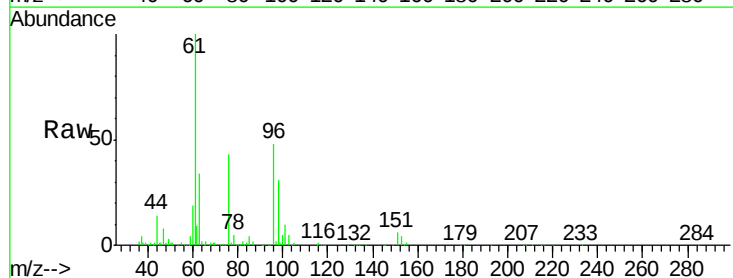
Tot Ion: 59 Resp: 80333
Ion Ratio Lower Upper
59 100
57 12.0 11.0 16.4

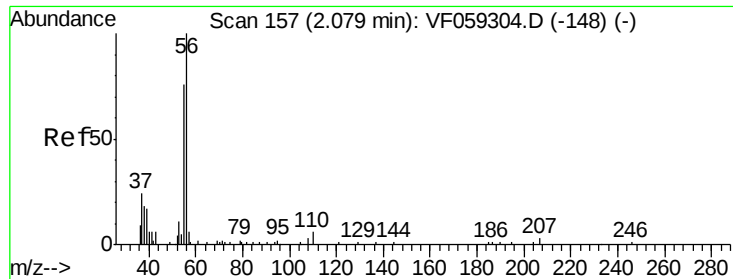


#12

1,1-Dichloroethene
Concen: 54.659 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion: 96 Resp: 91769
Ion Ratio Lower Upper
96 100
61 207.6 201.1 301.7
98 63.8 53.9 80.9





#13

Acrolein

Concen: 158.552 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

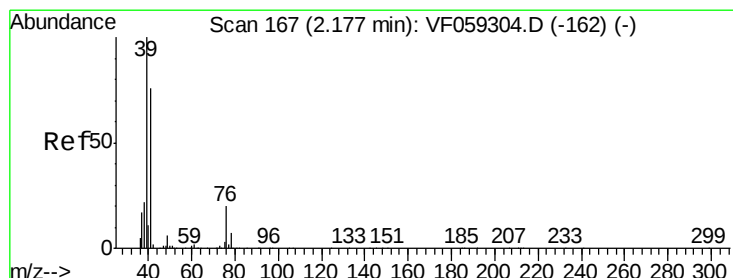
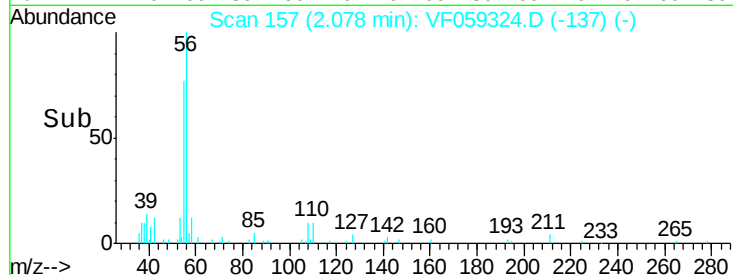
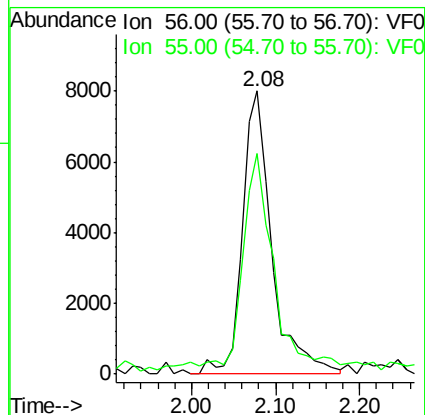
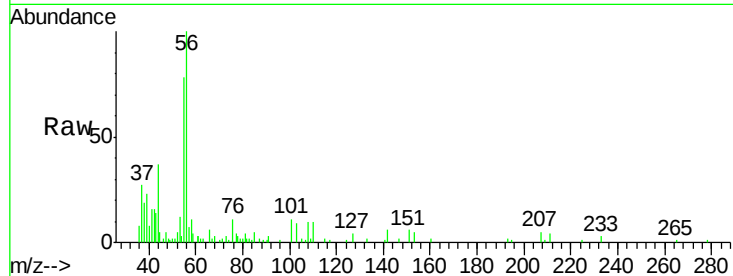
WP021SB472-13-15-180618

Tot Ion: 56 Resp: 19344

Ion Ratio Lower Upper

56 100

55 78.2 62.4 93.6



#14

Allyl chloride

Concen: 48.392 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

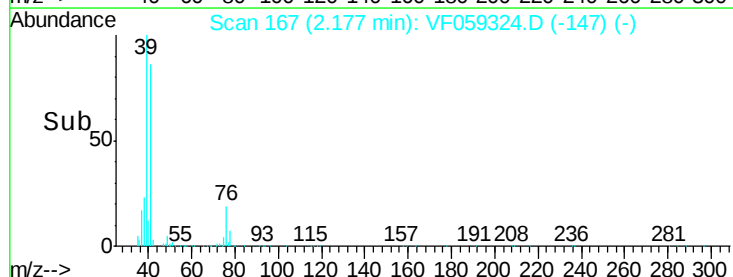
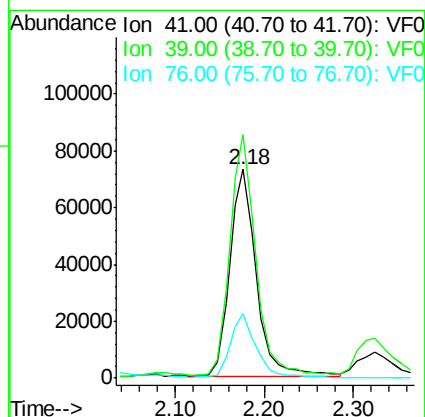
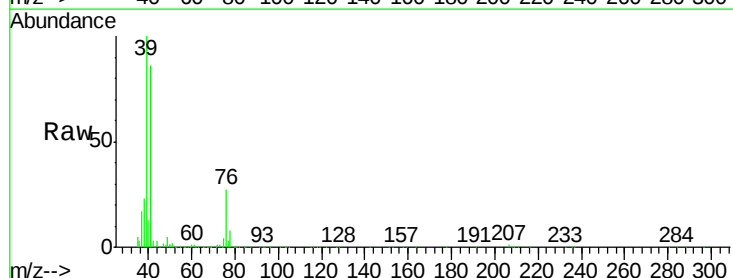
Tgt Ion: 41 Resp: 152515

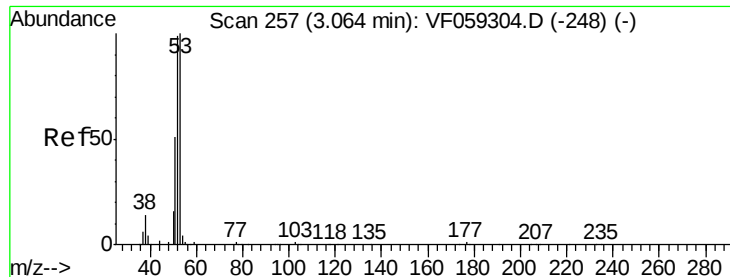
Ion Ratio Lower Upper

41 100

39 116.6 105.6 158.4

76 31.0 21.6 32.4





#15

Acrylonitrile

Concen: 356.185 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

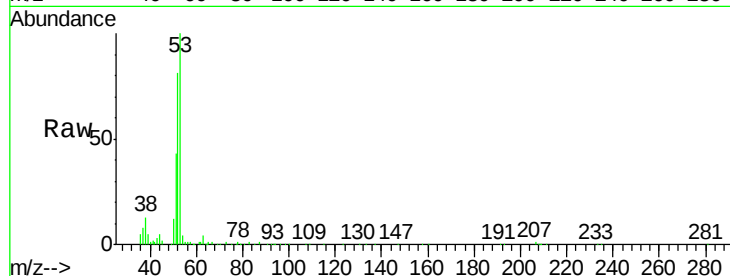
Tot Ion: 53 Resp: 153637

Ion Ratio Lower Upper

53 100

52 80.7 79.2 118.8

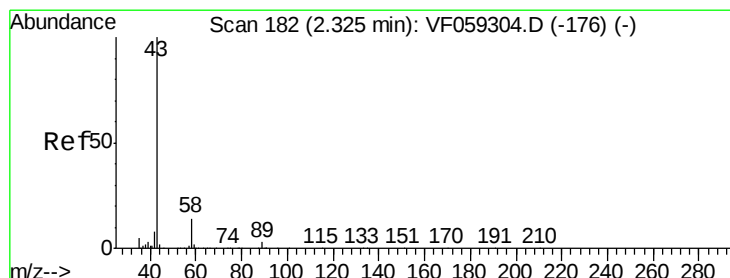
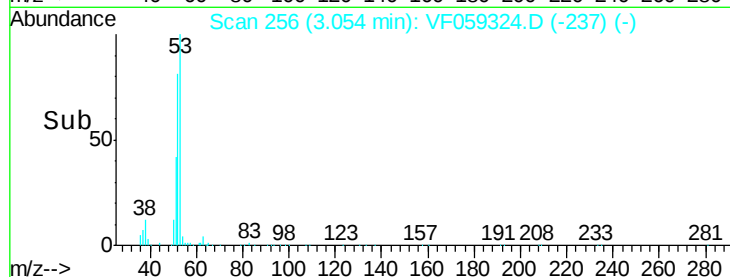
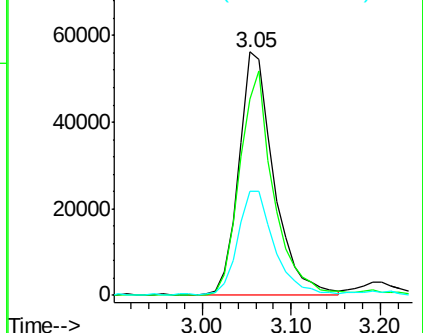
51 42.9 40.9 61.3



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: 1003.954 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059324.D

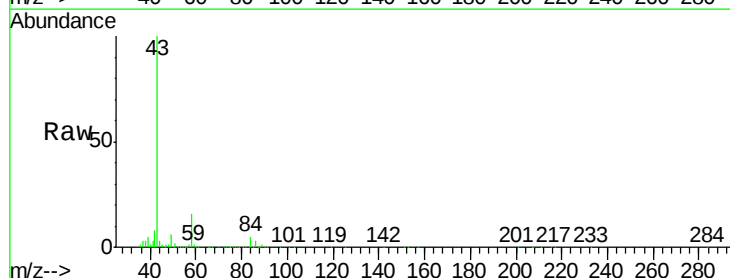
Acq: 26 Jun 2018 18:37

Tgt Ion: 43 Resp: 894257

Ion Ratio Lower Upper

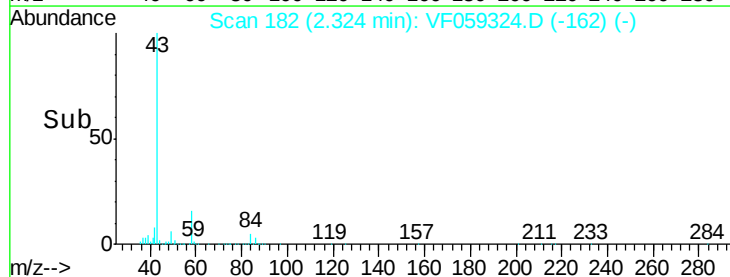
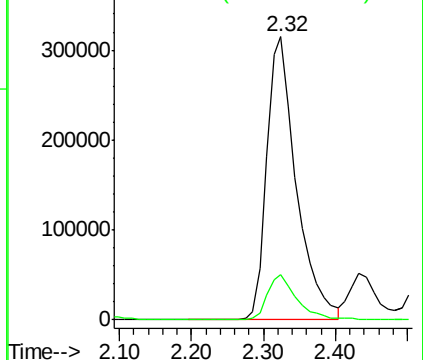
43 100

58 15.9 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: 51.239 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.03 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

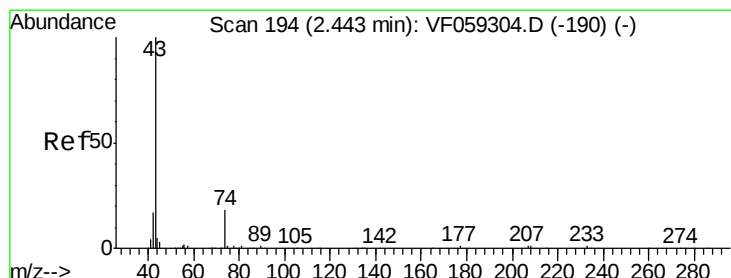
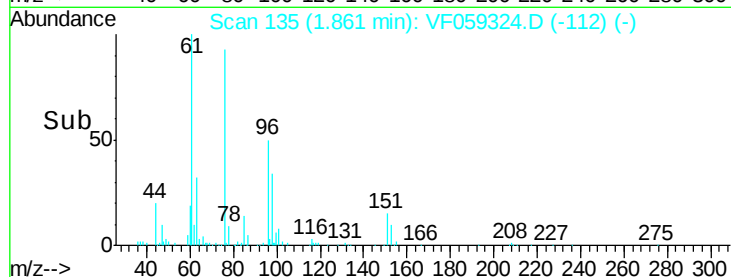
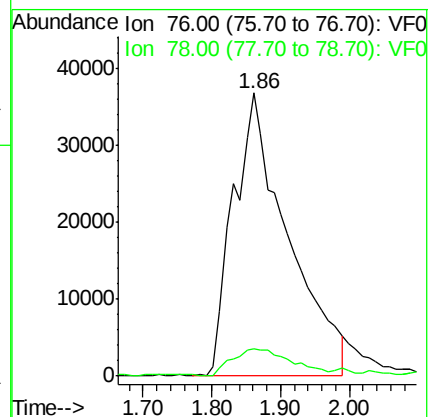
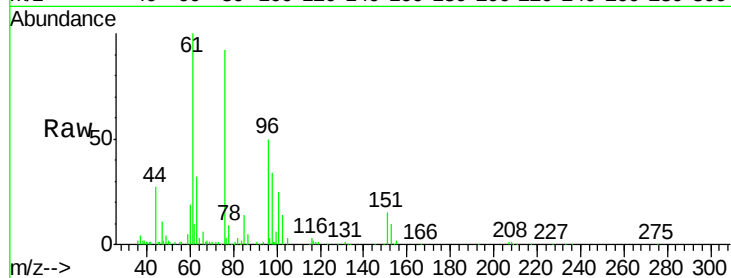
WP021SB472-13-15-180618

Tot Ion: 76 Resp: 202360

Ion Ratio Lower Upper

76 100

78 9.7 8.9 13.3



#18

Methyl Acetate

Concen: 76.547 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059324.D

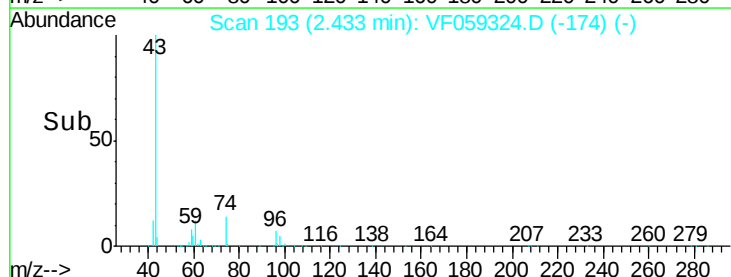
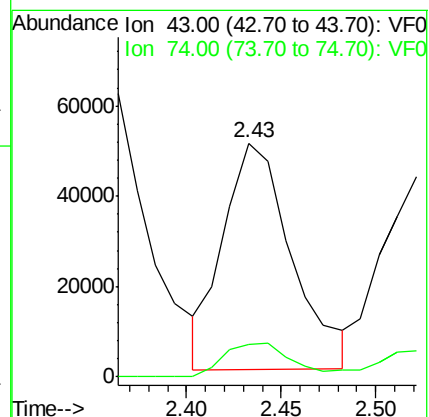
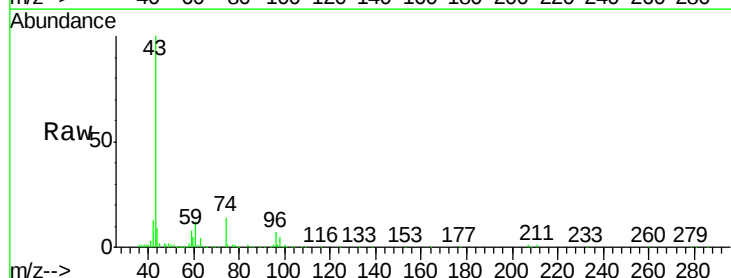
Acq: 26 Jun 2018 18:37

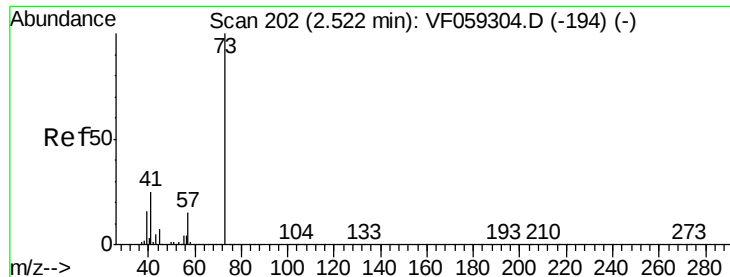
Tgt Ion: 43 Resp: 126092

Ion Ratio Lower Upper

43 100

74 13.7 13.3 19.9

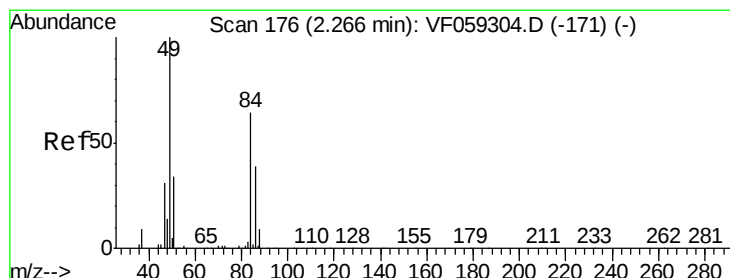
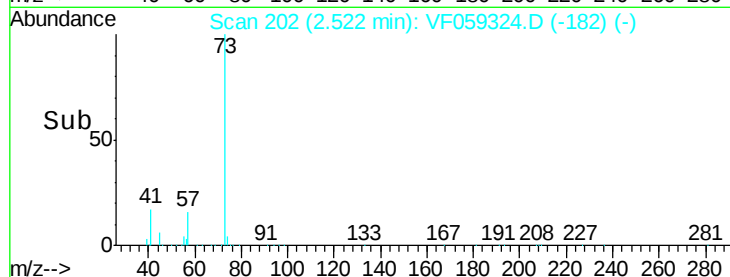
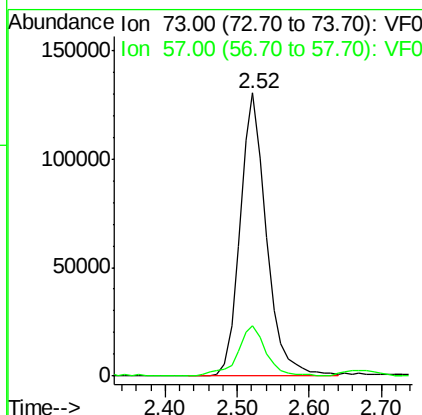
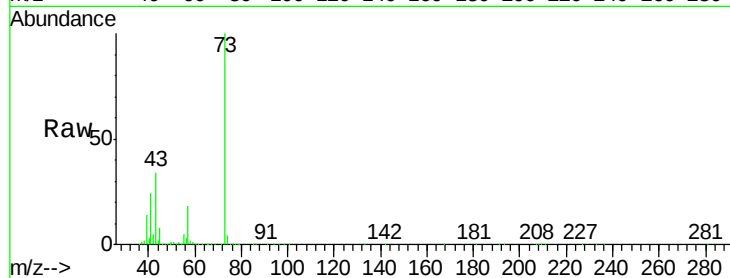




#19
Methvl tert-butvl Ether
Concen: 53.299 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

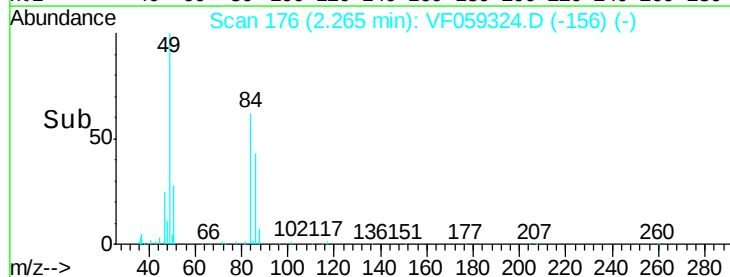
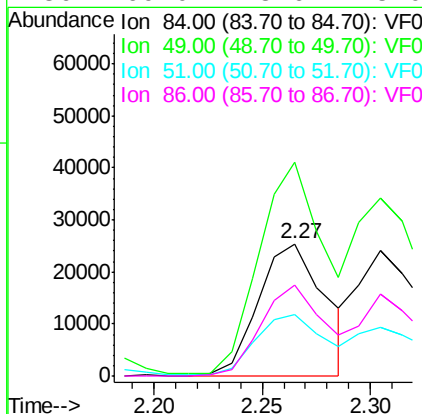
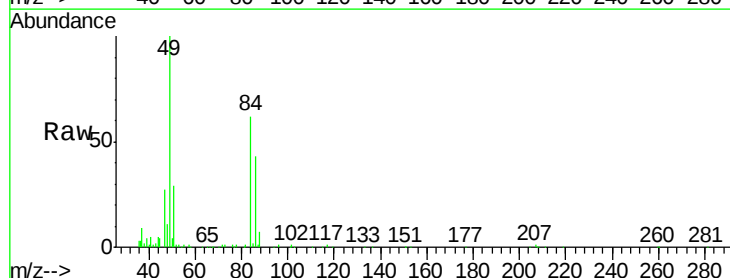
Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

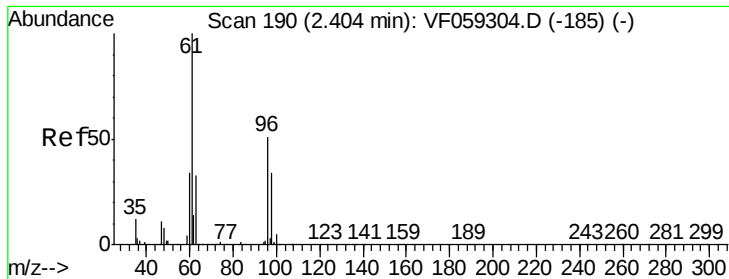
Tot Ion: 73 Resp: 333781
Ion Ratio Lower Upper
73 100
57 17.6 12.3 18.5



#20
Methylene Chloride
Concen: 22.452 ug/l
RT: 2.27 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion: 84 Resp: 54728
Ion Ratio Lower Upper
84 100
49 161.3 126.5 189.7
51 46.8 42.9 64.3
86 69.0 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 52.252 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

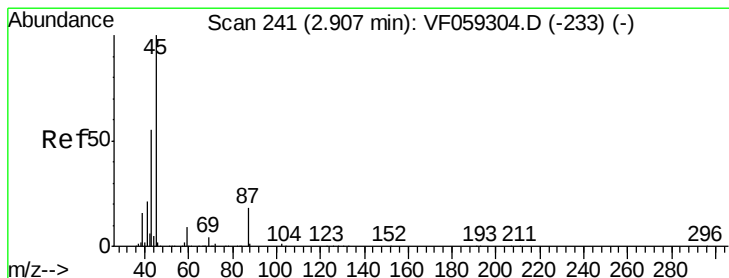
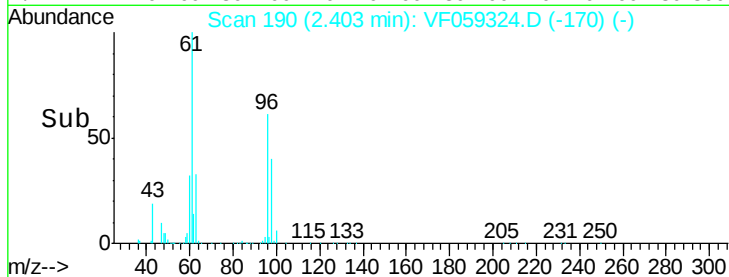
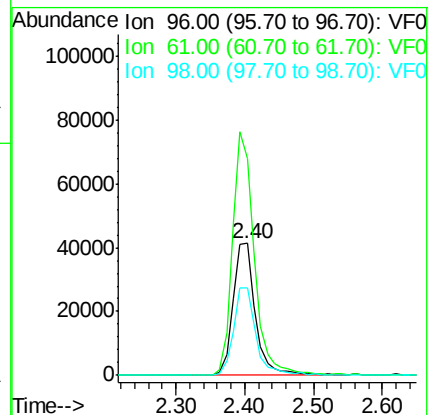
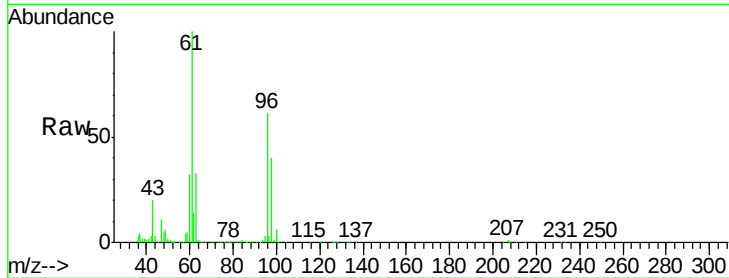
Tot Ion: 96 Resp: 93583

Ion Ratio Lower Upper

96 100

61 163.7 157.4 236.2

98 65.9 53.7 80.5



#22

Diisopropyl ether

Concen: 56.636 ug/l

RT: 2.91 min Scan# 241

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Tgt Ion: 45 Resp: 395267

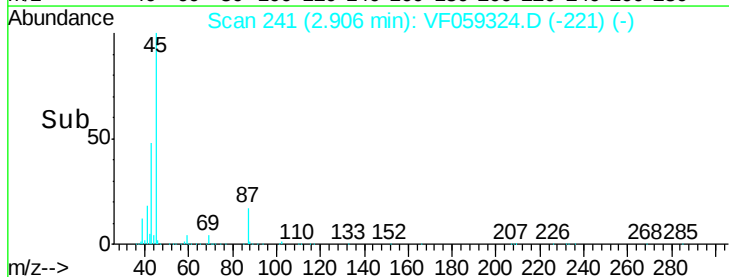
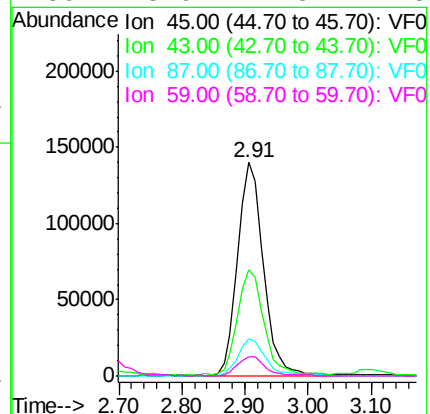
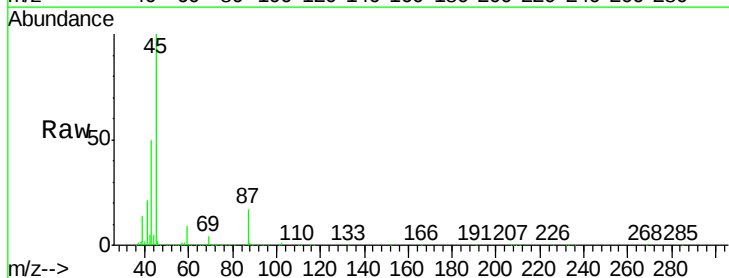
Ion Ratio Lower Upper

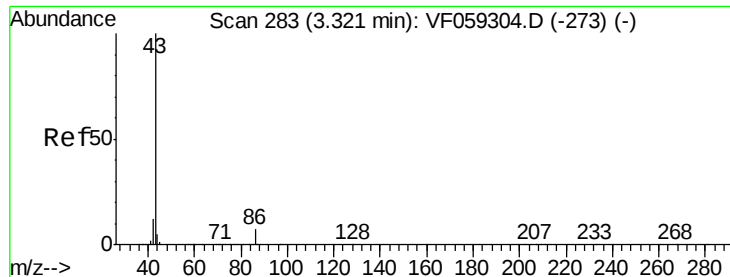
45 100

43 49.9 44.6 66.8

87 17.3 14.3 21.5

59 8.9 7.5 11.3





#23

Vinyl Acetate

Concen: 194.196 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

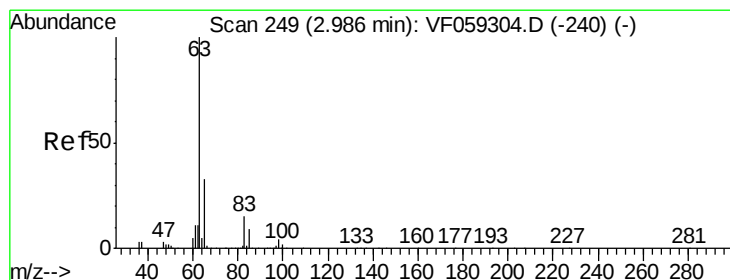
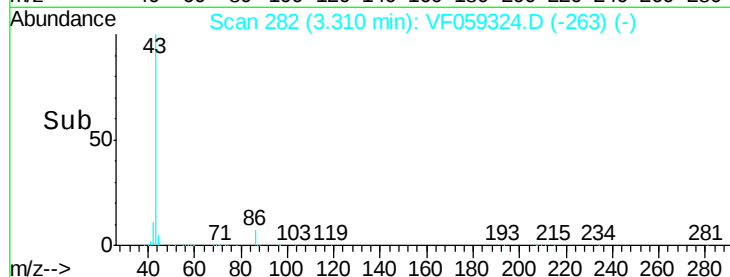
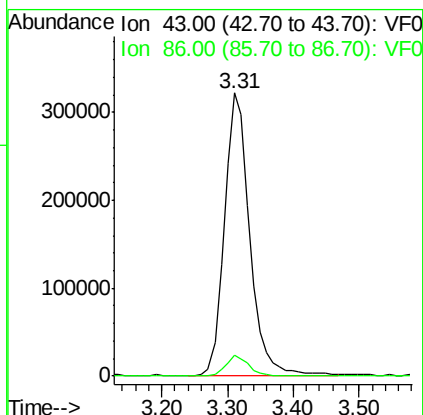
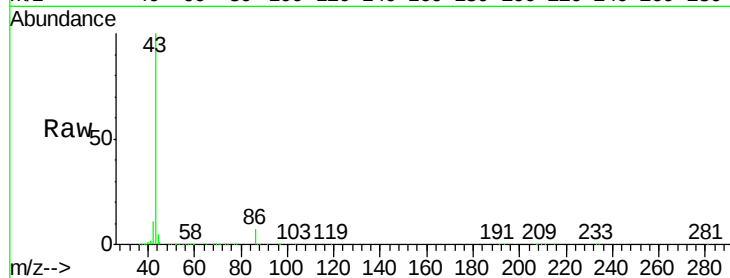
WP021SB472-13-15-180618

Tot Ion: 43 Resp: 863139

Ion Ratio Lower Upper

43 100

86 7.2 5.8 8.6



#24

1,1-Dichloroethane

Concen: 48.891 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

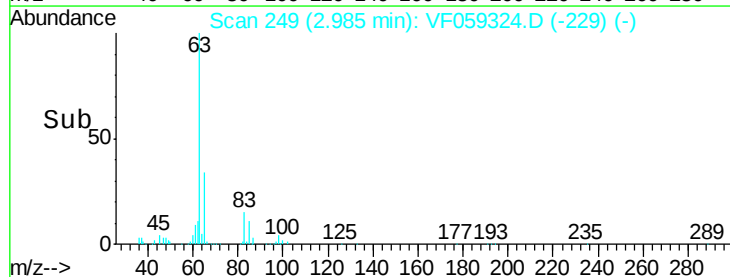
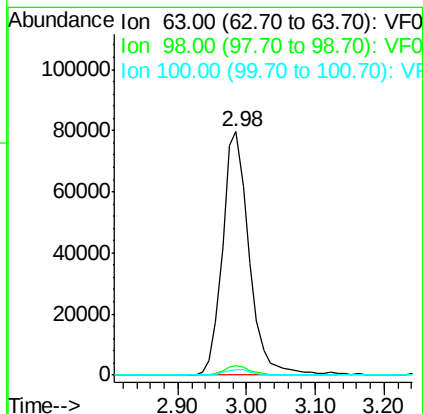
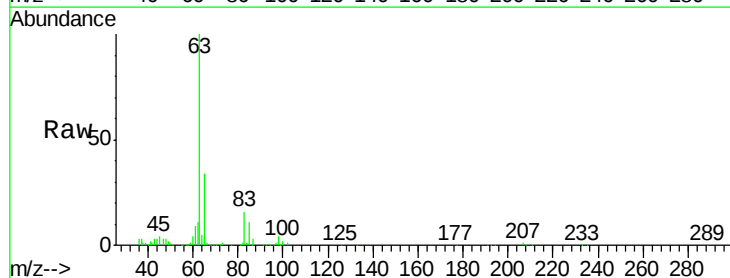
Tgt Ion: 63 Resp: 211558

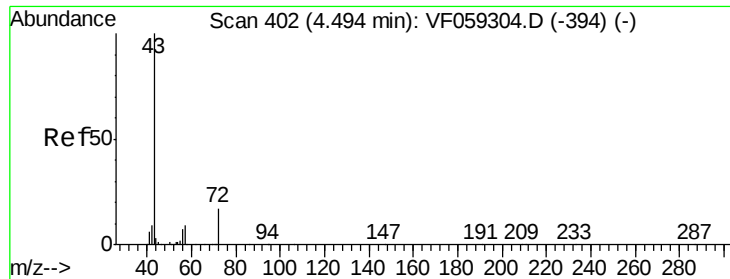
Ion Ratio Lower Upper

63 100

98 3.8 2.0 6.0

100 2.4 1.3 3.9





#25

2-Butanone

Concen: 596.228 ug/l

RT: 4.48 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

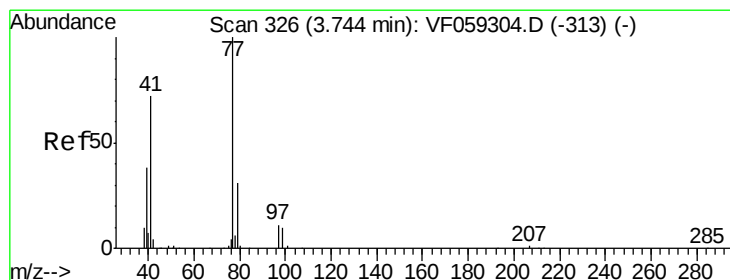
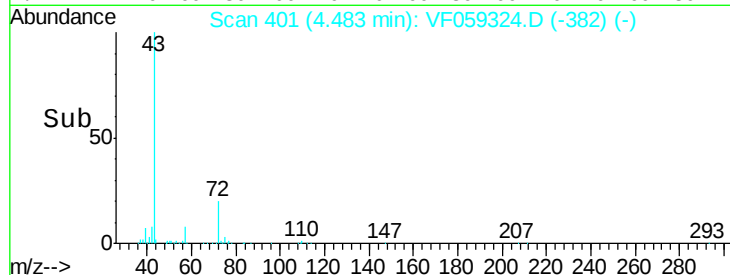
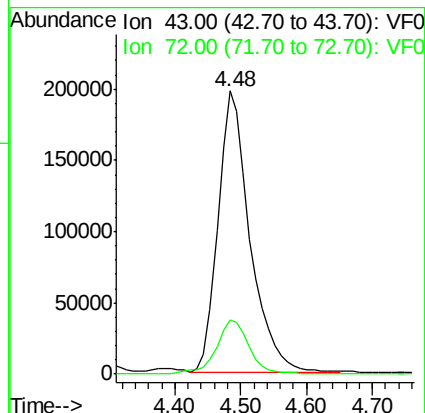
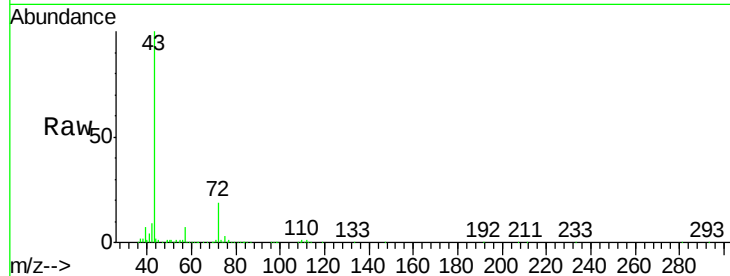
WP021SB472-13-15-180618

Tot Ion: 43 Resp: 659379

Ion Ratio Lower Upper

43 100

72 19.1 14.4 21.6



#26

2,2-Dichloropropane

Concen: 36.429 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059324.D

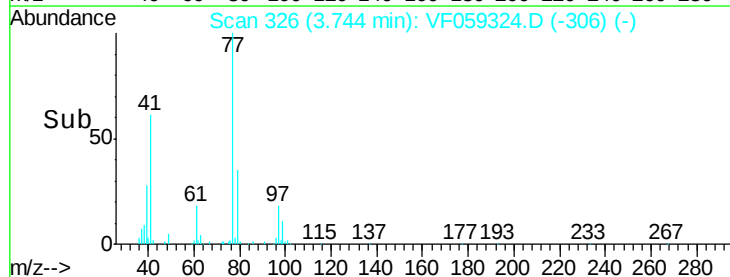
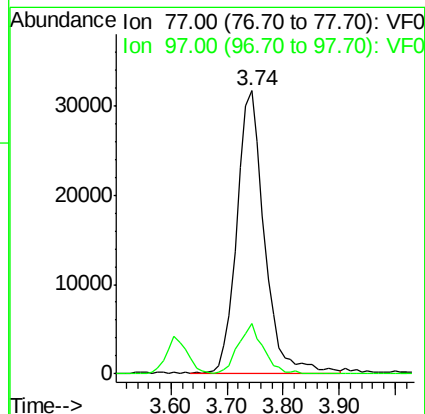
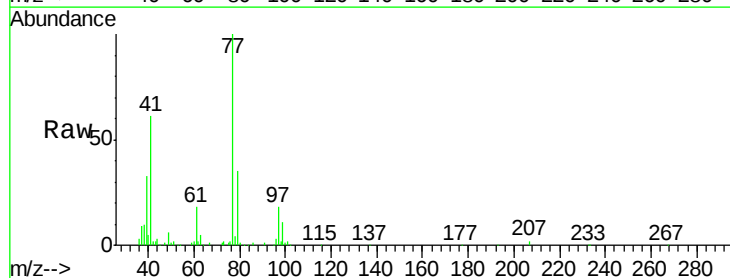
Acq: 26 Jun 2018 18:37

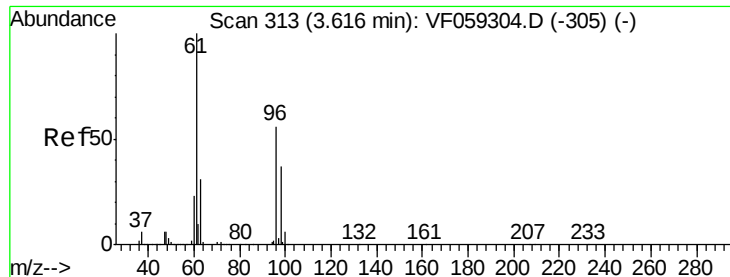
Tgt Ion: 77 Resp: 108724

Ion Ratio Lower Upper

77 100

97 17.9 8.0 23.8



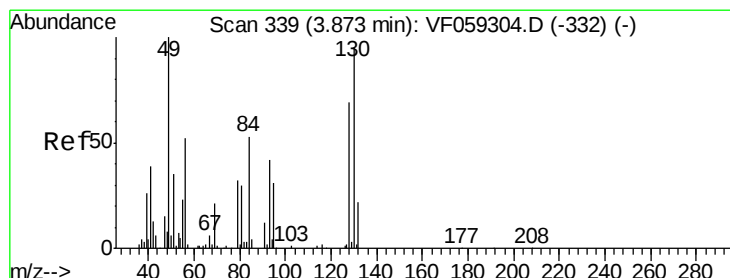
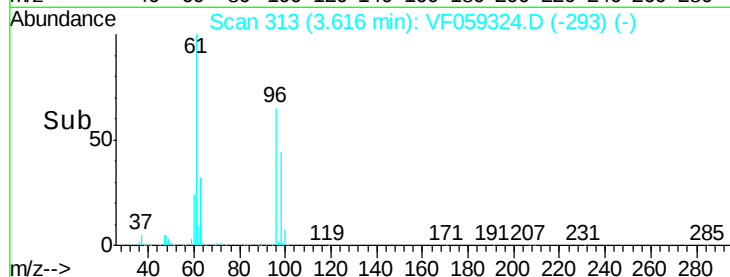
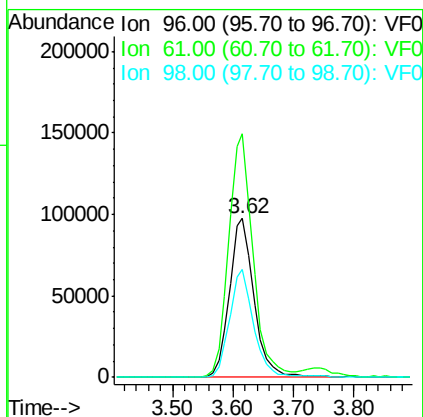
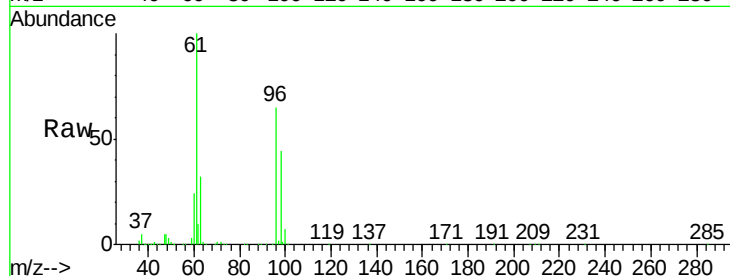


#27

cis-1,2-Dichloroethene
Concen: 101.508 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

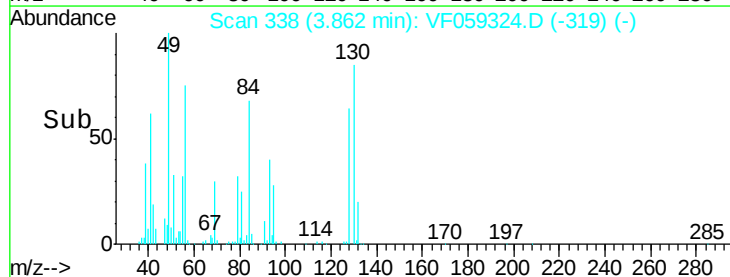
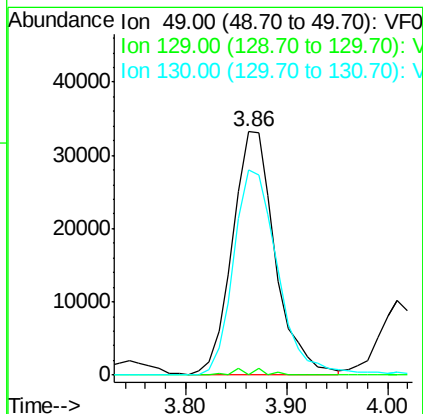
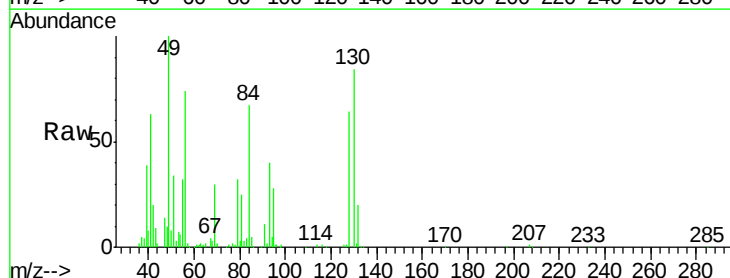
Tot Ion	Ratio	Lower	Upper
96	100		
61	153.3	0.0	355.4
98	68.1	0.0	131.0

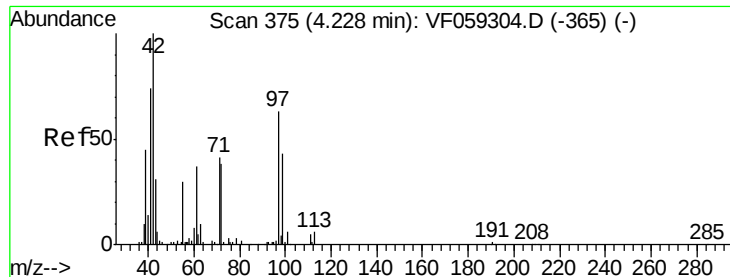


#28

Bromochloromethane
Concen: 59.216 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	84.2	75.1	112.7





#29

Tetrahydrofuran

Concen: 331.776 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

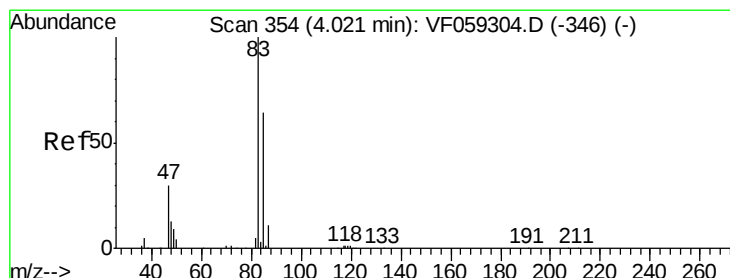
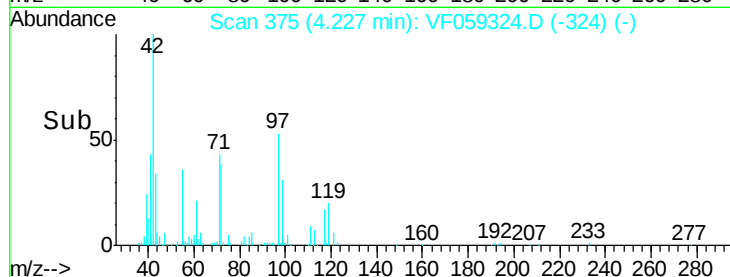
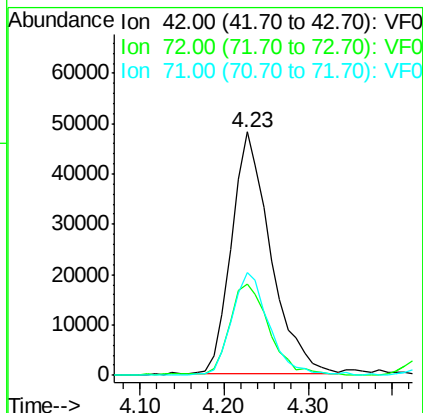
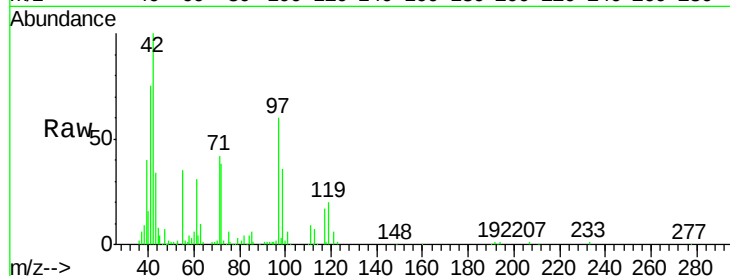
Tot Ion: 42 Resp: 155635

Ion Ratio Lower Upper

42 100

72 38.6 30.5 45.7

71 40.7 32.5 48.7



#30

Chloroform

Concen: 49.551 ug/l

RT: 4.01 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF059324.D

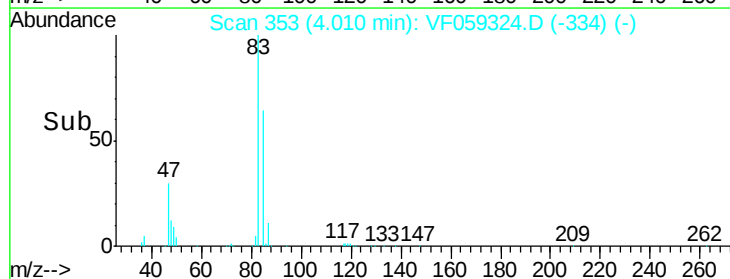
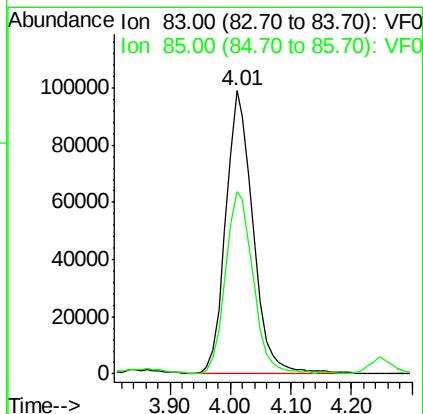
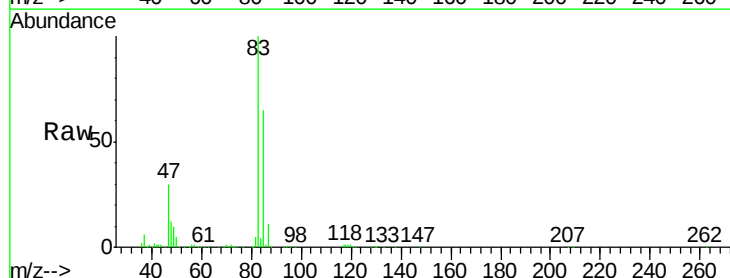
Acq: 26 Jun 2018 18:37

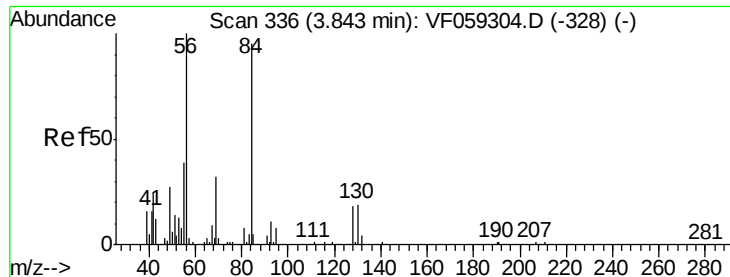
Tgt Ion: 83 Resp: 310399

Ion Ratio Lower Upper

83 100

85 64.6 51.3 76.9





#31

Cyclohexane

Concen: 54.289 ug/l

RT: 3.85 min Scan# 337

Delta R.T. 0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

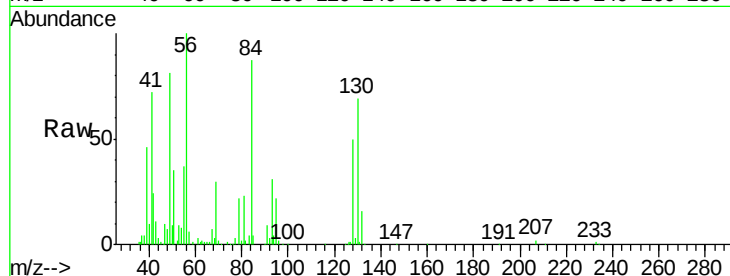
Tot Ion: 56 Resp: 153891

Ion Ratio Lower Upper

56 100

69 29.9 25.8 38.8

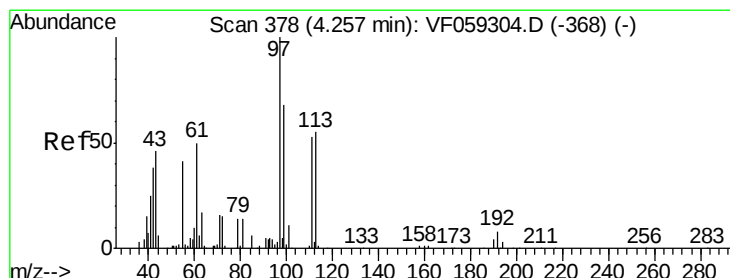
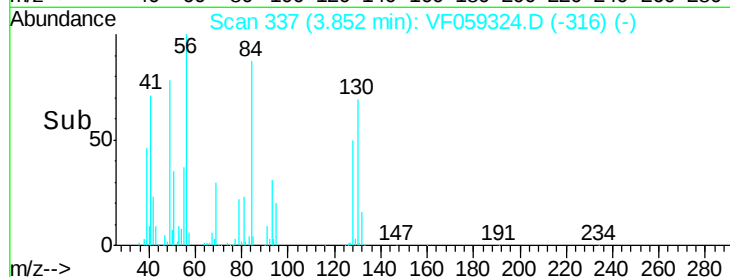
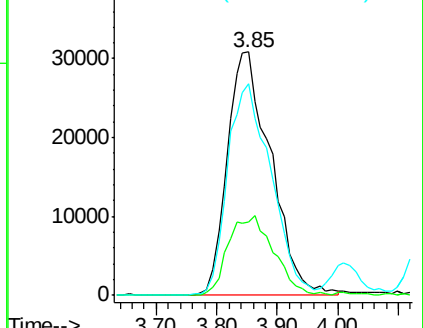
84 86.9 75.6 113.4



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: 47.413 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

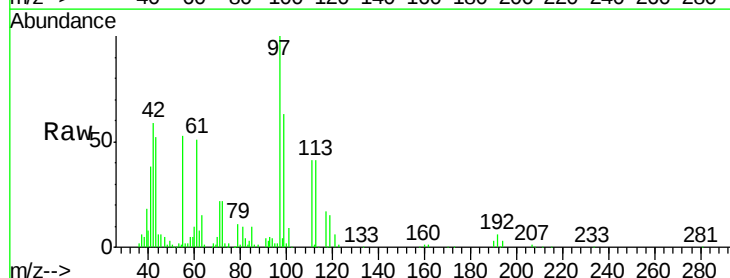
Tgt Ion: 97 Resp: 217347

Ion Ratio Lower Upper

97 100

99 63.1 54.1 81.1

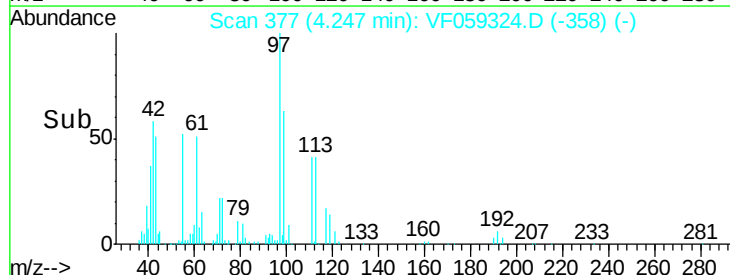
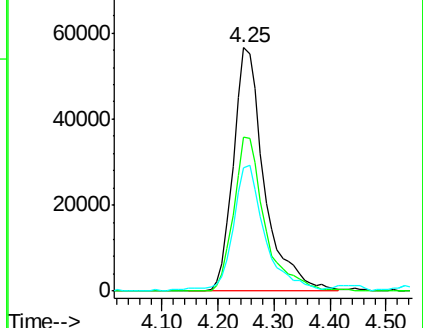
61 50.9 41.2 61.8

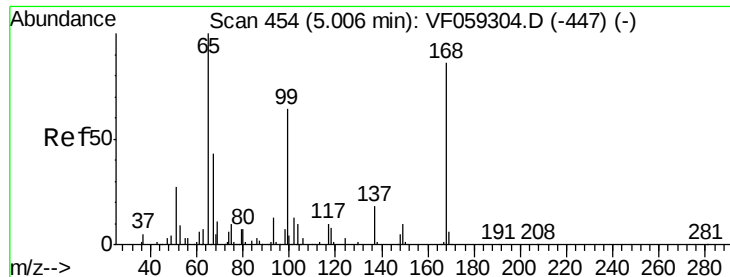


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 49.288 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

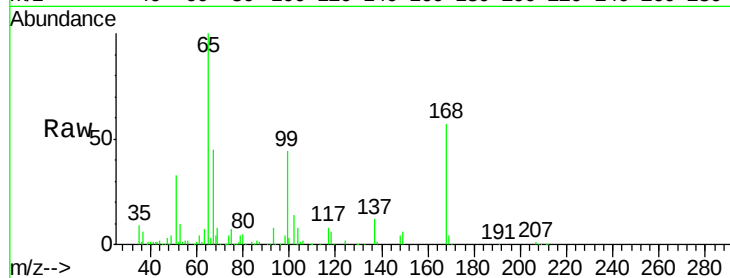
WP021SB472-13-15-180618

Tot Ion: 65 Resp: 181343

Ion Ratio Lower Upper

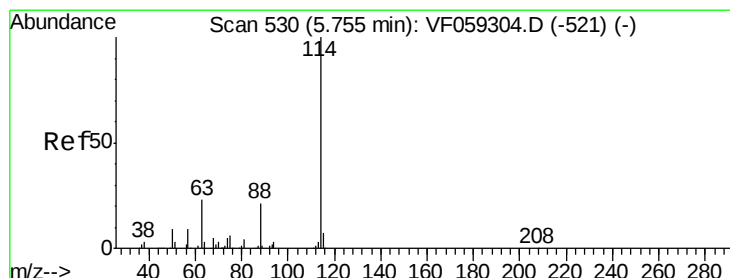
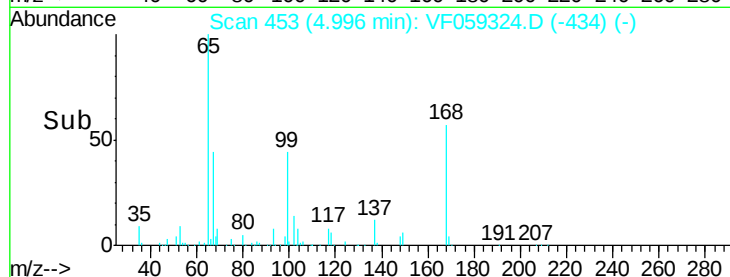
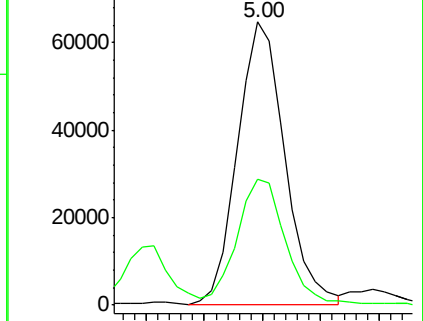
65 100

67 44.7 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: 50.000 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

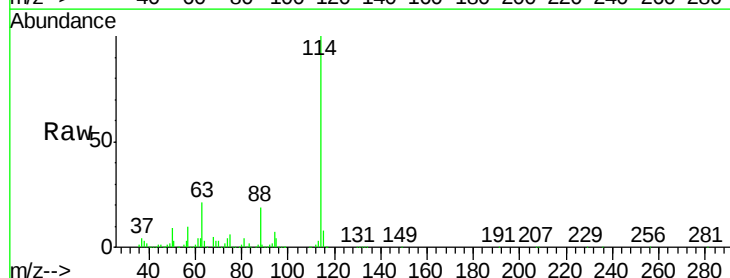
Tgt Ion: 114 Resp: 450572

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.8

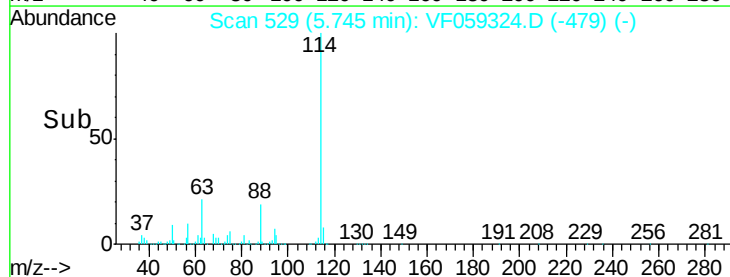
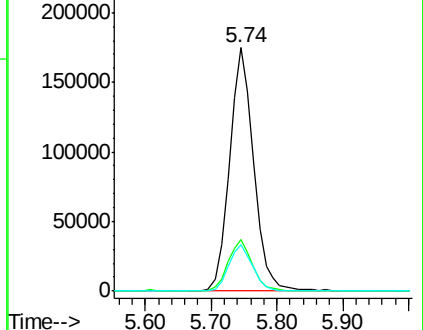
88 19.3 0.0 41.2

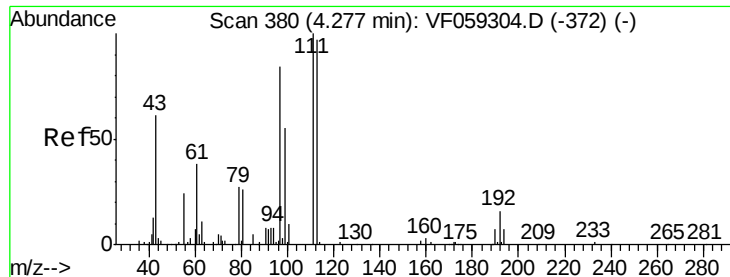


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

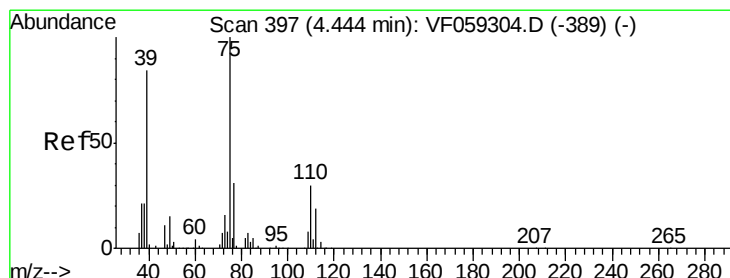
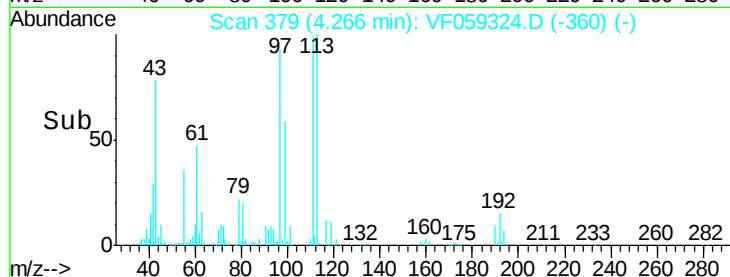
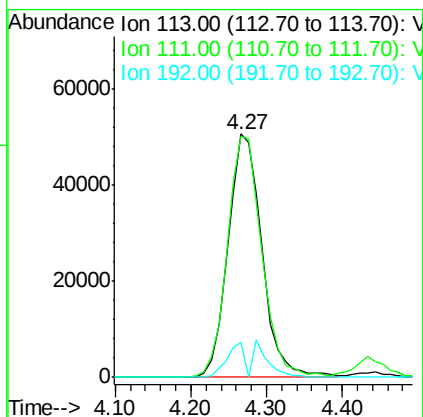
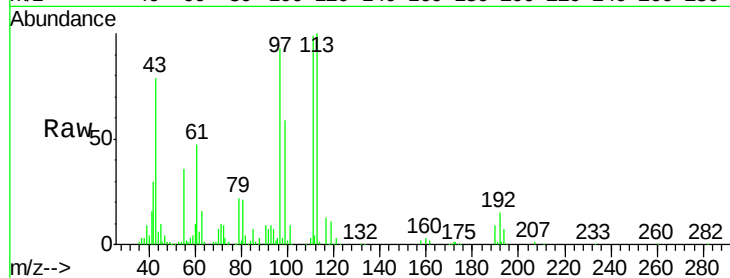




#35
 Dibromofluoromethane
 Concen: 47.525 ug/l
 RT: 4.27 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

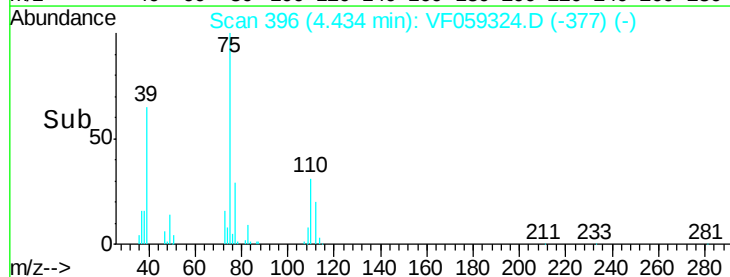
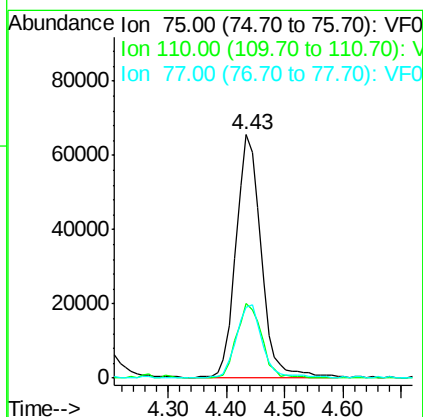
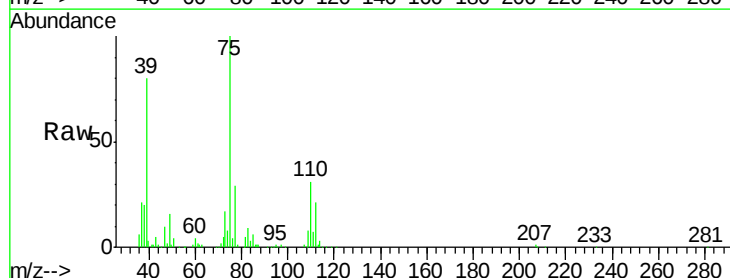
Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB472-13-15-180618

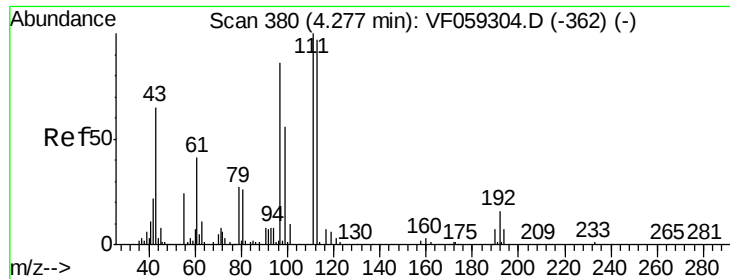
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.9	82.1	123.1
192	14.5	13.0	19.6



#36
 1,1-Dichloropropene
 Concen: 49.694 ug/l
 RT: 4.43 min Scan# 396
 Delta R.T. -0.01 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.9	14.8	44.4
77	28.9	25.2	37.8





#37

Ethyl Acetate

Concen: 62.289 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

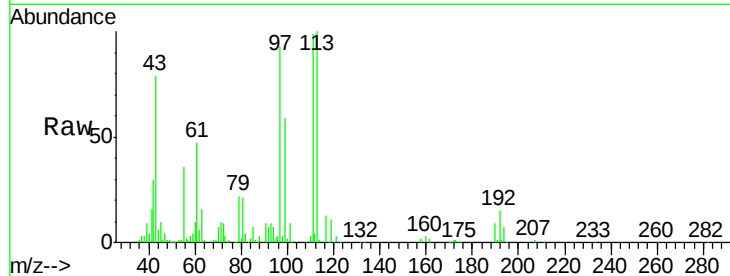
Tot Ion: 43 Resp: 155922

Ion Ratio Lower Upper

43 100

61 58.9 50.1 75.1

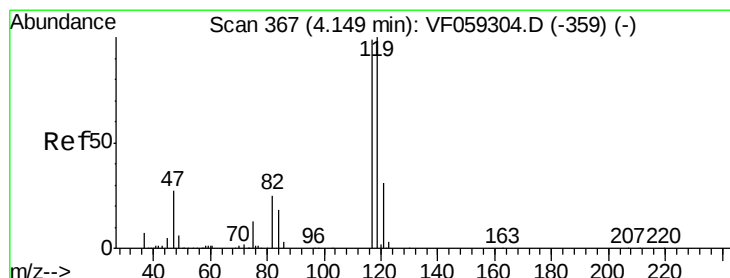
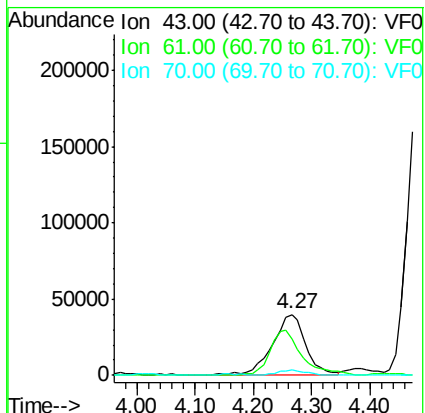
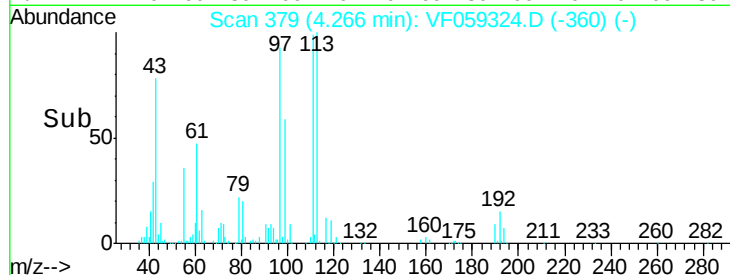
70 8.8 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 46.128 ug/l

RT: 4.15 min Scan# 367

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

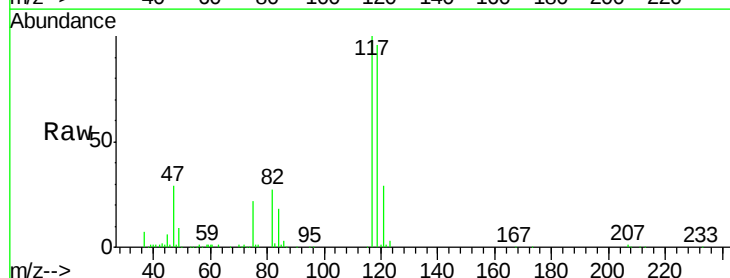
Tgt Ion: 117 Resp: 229135

Ion Ratio Lower Upper

117 100

119 96.5 81.0 121.4

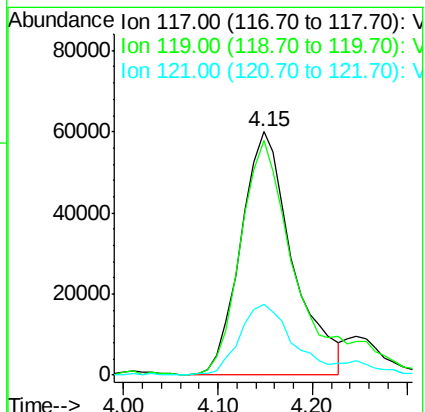
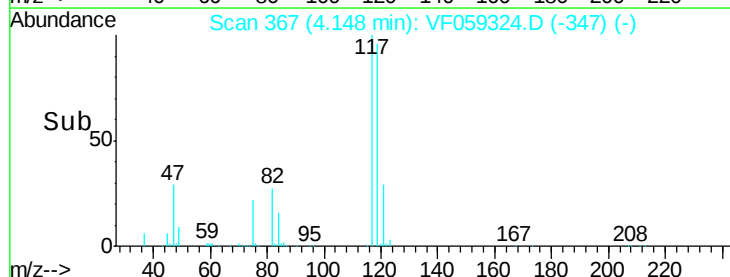
121 29.0 24.7 37.1

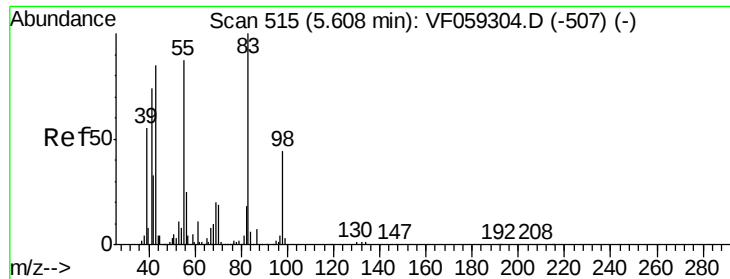


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

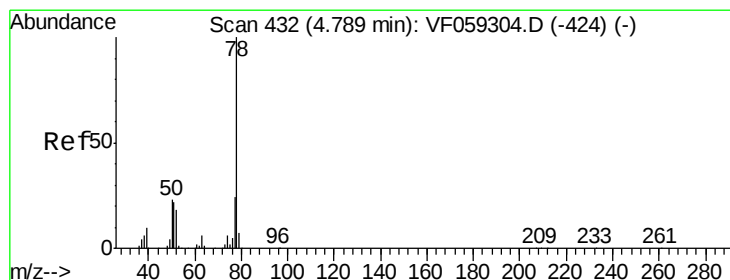
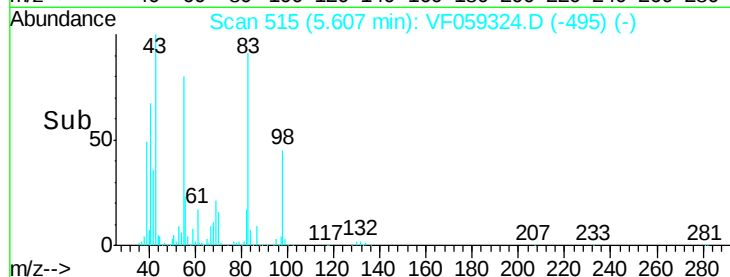
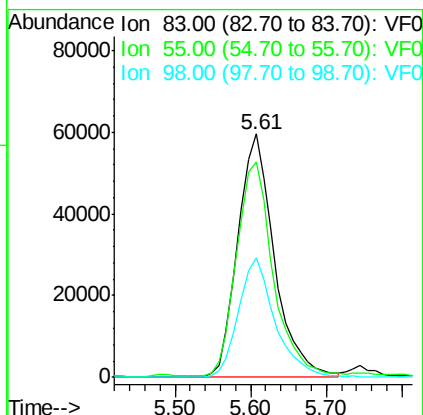
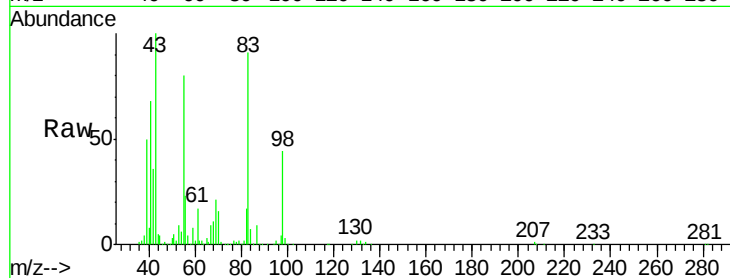




#39
Methvlcvclohexane
Concen: 57.397 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

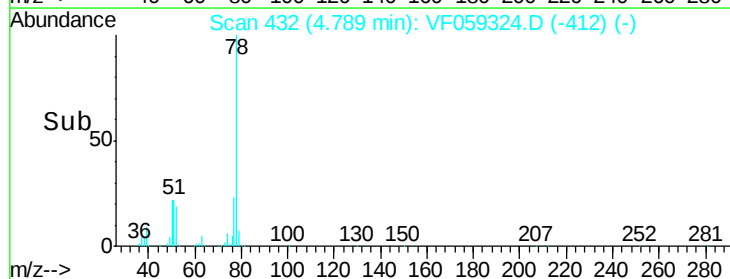
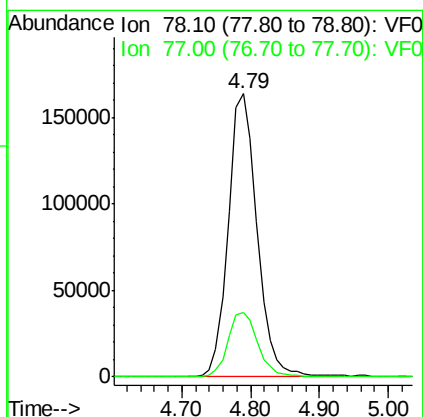
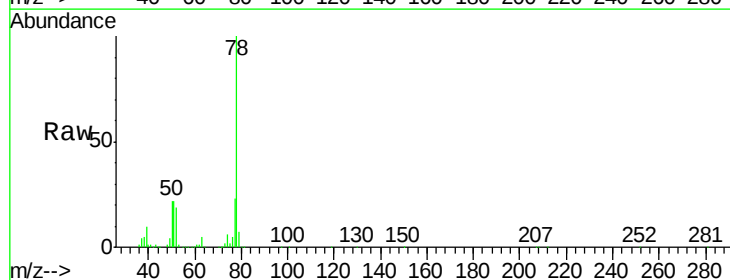
Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

Tot Ion: 83 Resp: 200201
Ion Ratio Lower Upper
83 100
55 88.2 69.2 103.8
98 49.0 35.0 52.6



#40
Benzene
Concen: 54.416 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion: 78 Resp: 474897
Ion Ratio Lower Upper
78 100
77 22.9 19.6 29.4

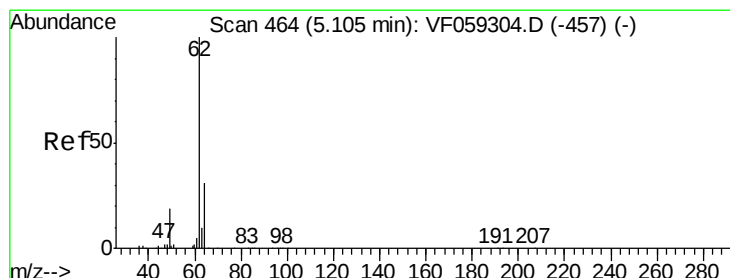
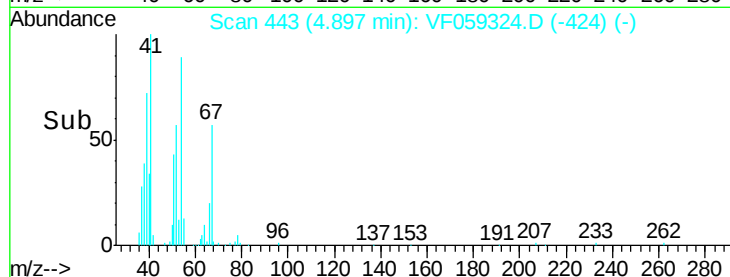
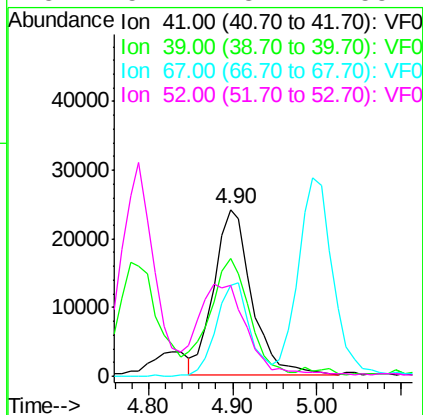
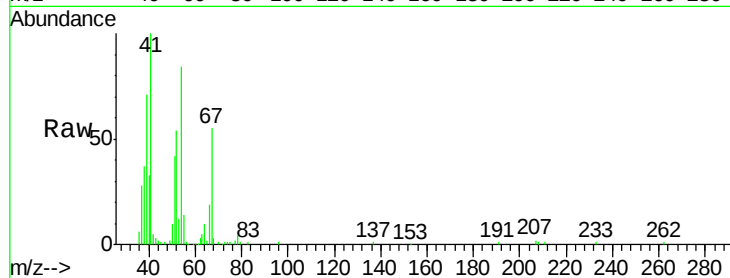




#41
Methacrylonitrile
Concen: 55.565 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

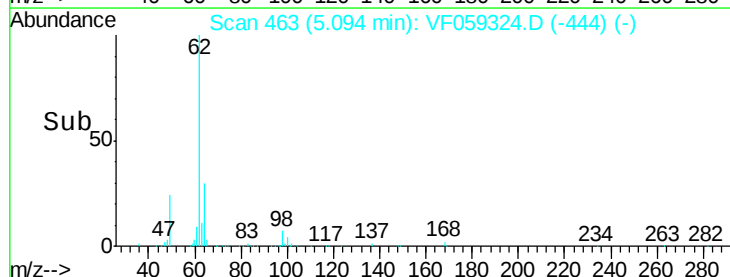
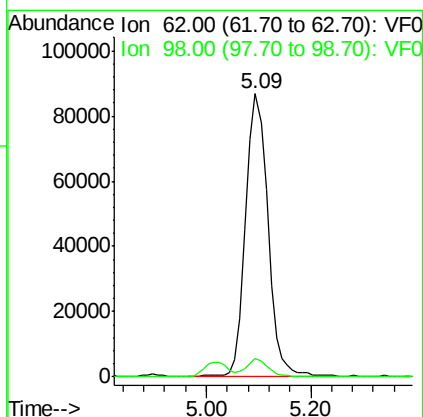
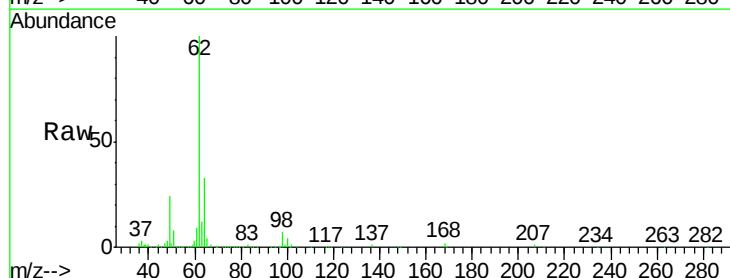
Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

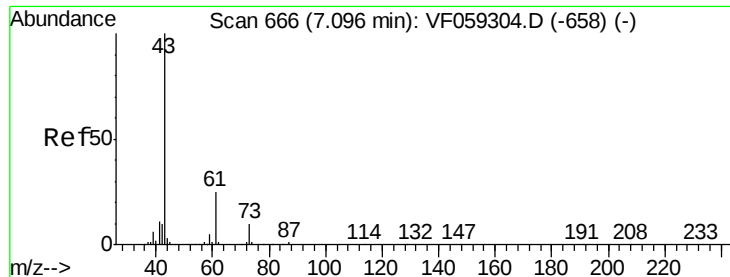
Tot Ion:	41	Resp:	74605
Ion	Ratio	Lower	Upper
41	100		
39	70.9	50.0	75.0
67	54.8	37.0	55.6
52	54.4	37.1	55.7



#42
1,2-Dichloroethane
Concen: 49.421 ug/l
RT: 5.09 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion:	62	Resp:	252027
Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	11.4



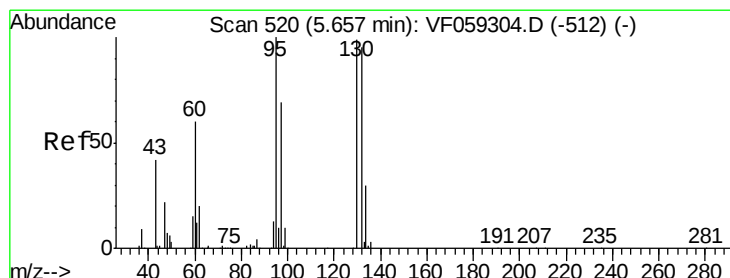
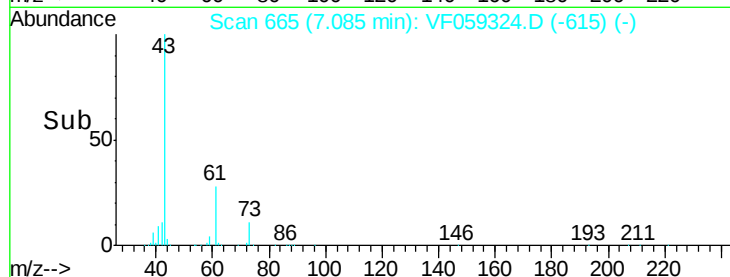
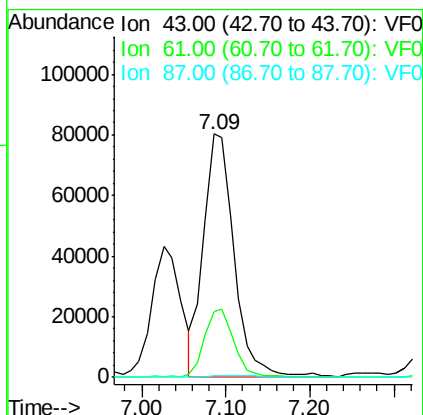
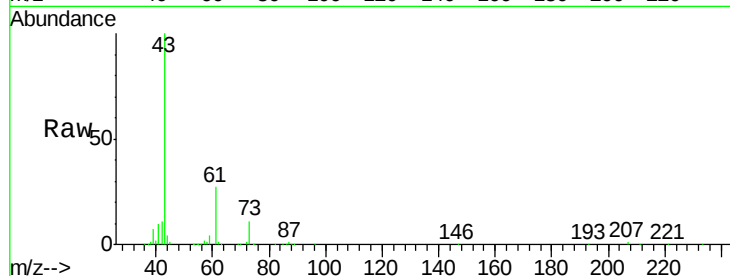


#43

Isopropyl Acetate
 Concen: 61.002 ug/l
 RT: 7.09 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB472-13-15-180618

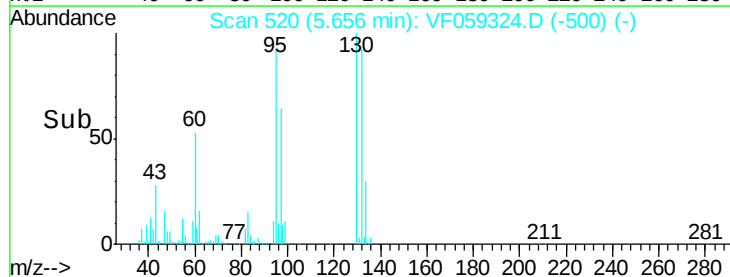
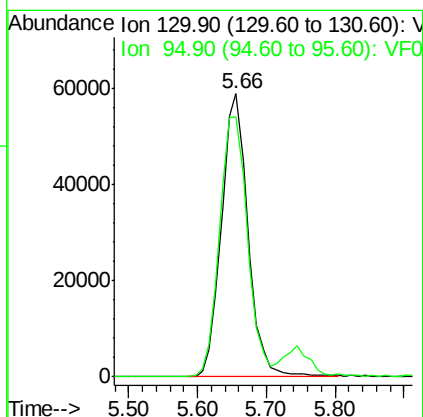
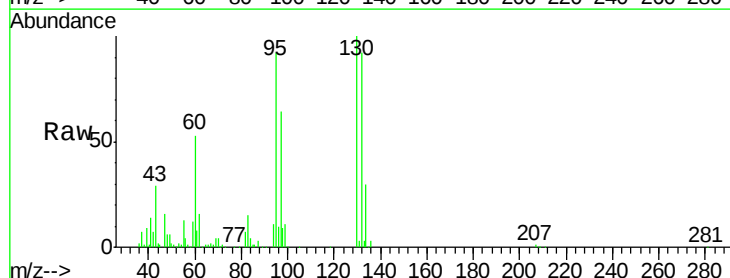
Tot Ion: 43 Resp: 199999
 Ion Ratio Lower Upper
 43 100
 61 26.9 19.7 29.5
 87 0.6 0.5 0.7

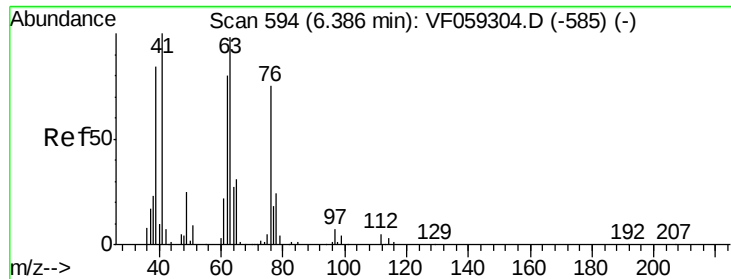


#44

Trichloroethene
 Concen: 52.671 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

Tgt Ion:130 Resp: 157688
 Ion Ratio Lower Upper
 130 100
 95 91.9 0.0 202.4





#45

1,2-Dichloropropane

Concen: 53.367 ug/l

RT: 6.38 min Scan# 593

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

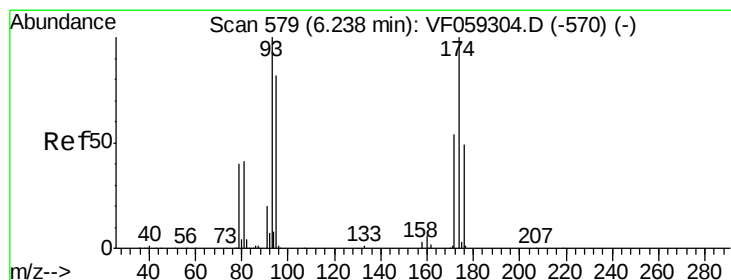
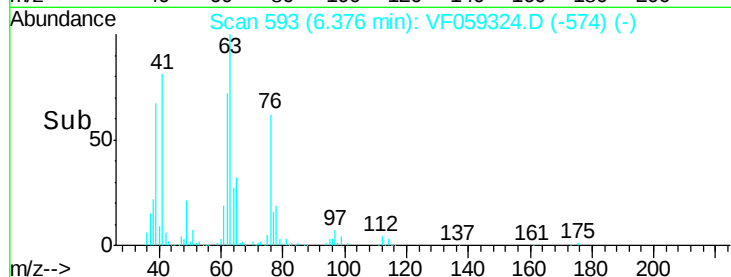
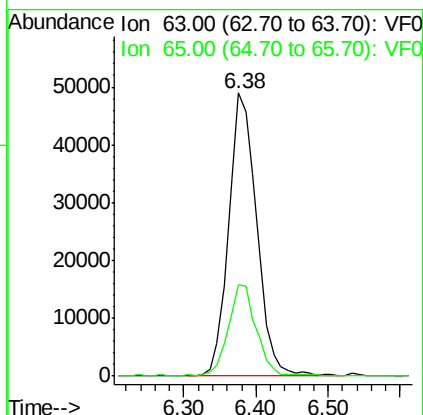
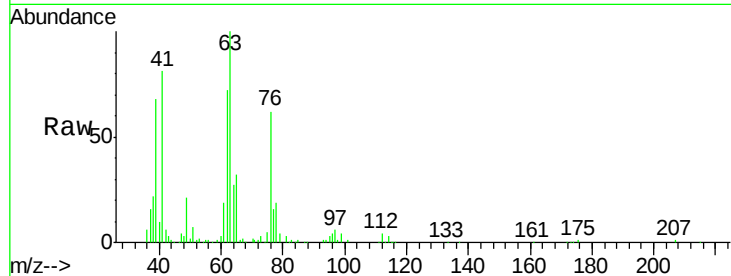
WP021SB472-13-15-180618

Tot Ion: 63 Resp: 133068

Ion Ratio Lower Upper

63 100

65 32.2 25.3 37.9



#46

Dibromomethane

Concen: 50.807 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

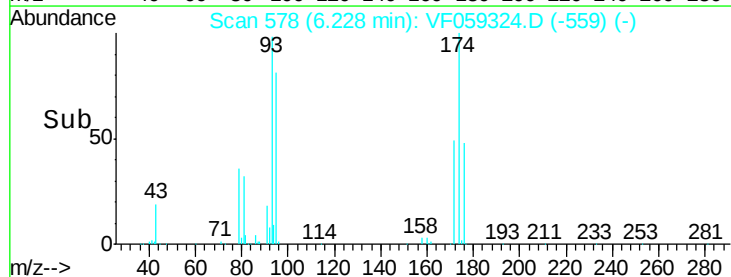
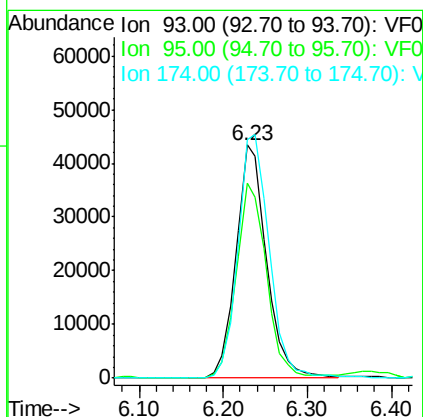
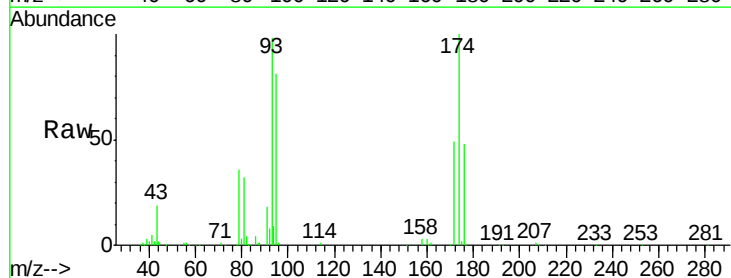
Tgt Ion: 93 Resp: 109955

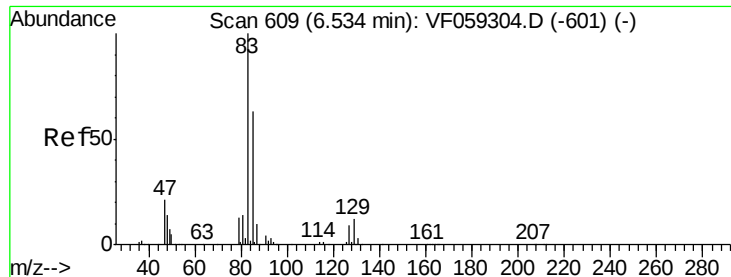
Ion Ratio Lower Upper

93 100

95 83.4 65.6 98.4

174 102.4 80.0 120.0





#47

Bromodichloromethane

Concen: 48.025 ug/l

RT: 6.52 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

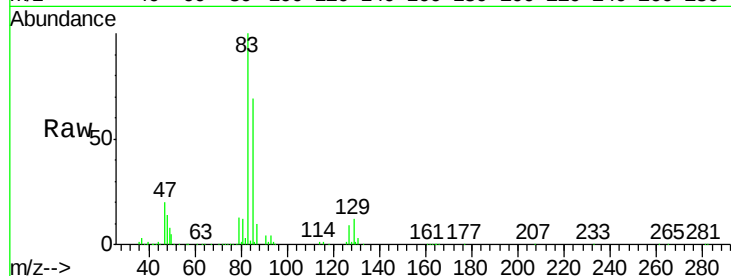
Tot Ion: 83 Resp: 251589

Ion Ratio Lower Upper

83 100

85 68.7 50.2 75.2

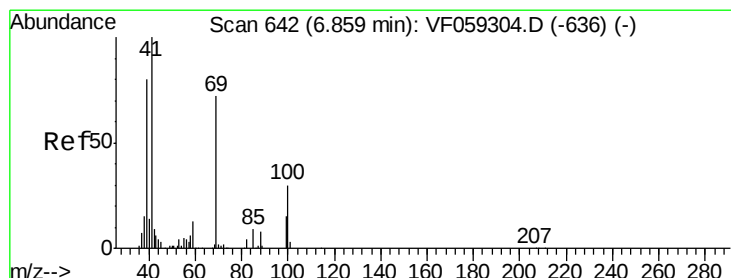
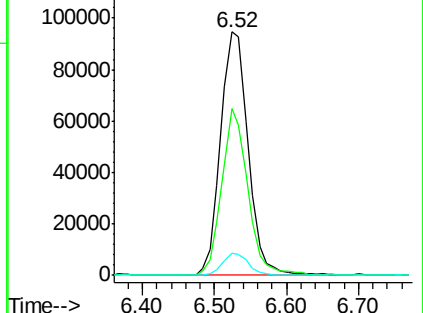
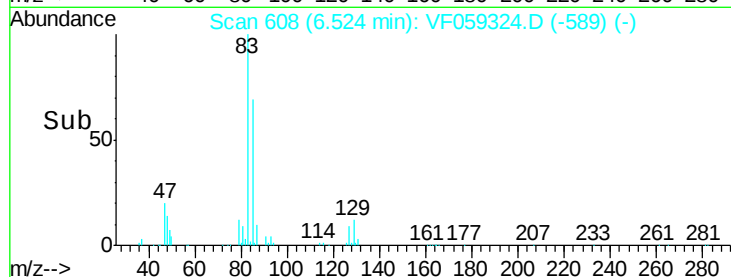
127 8.9 7.0 10.4



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: 60.415 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

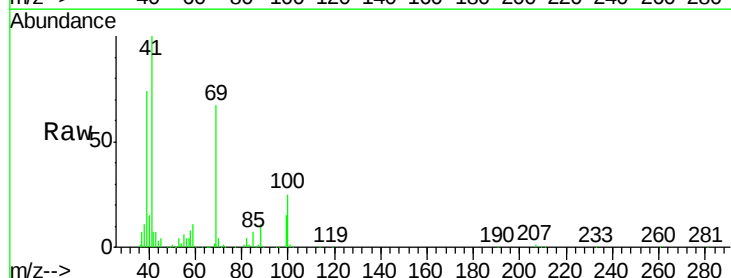
Tgt Ion: 41 Resp: 132754

Ion Ratio Lower Upper

41 100

69 67.5 57.3 85.9

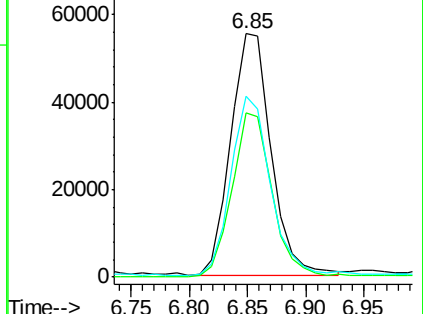
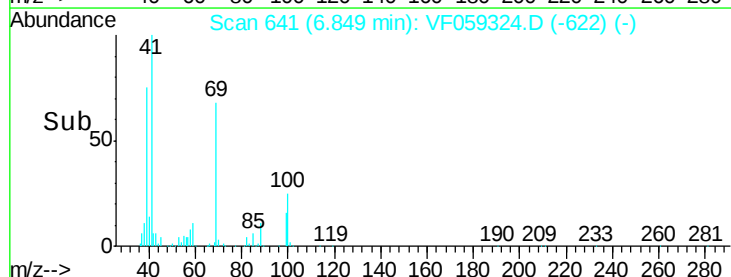
39 74.5 64.4 96.6

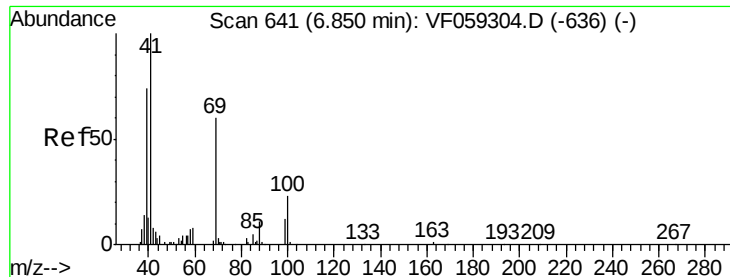


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1515.944 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

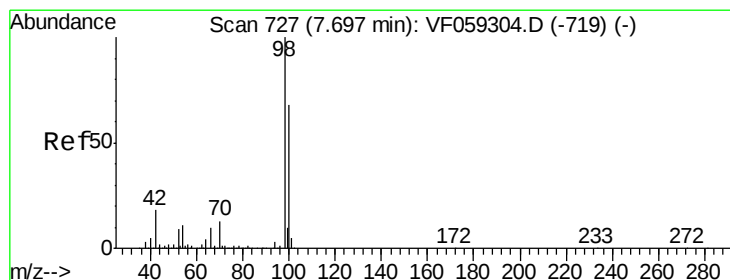
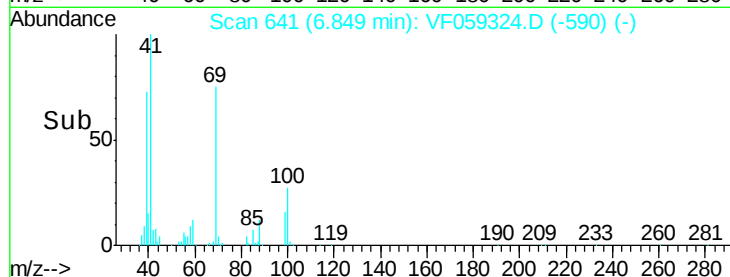
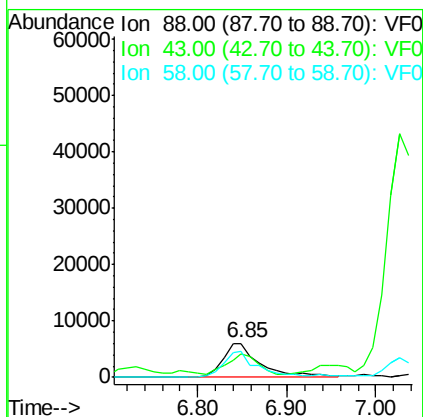
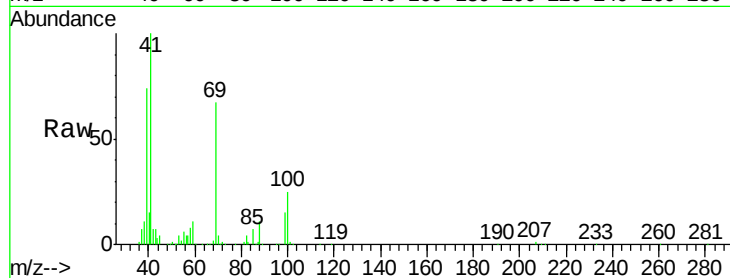
Tot Ion: 88 Resp: 17516

Ion Ratio Lower Upper

88 100

43 68.1 50.6 75.8

58 76.4 46.6 69.8#



#50

Toluene-d8

Concen: 52.493 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF059324.D

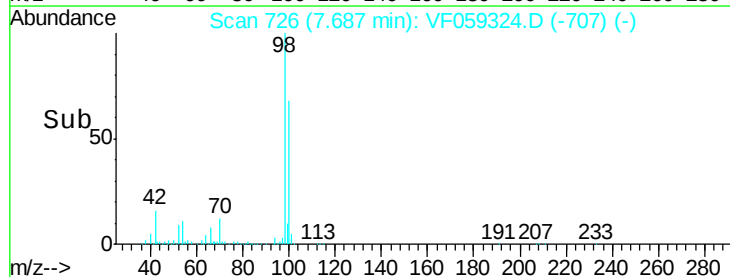
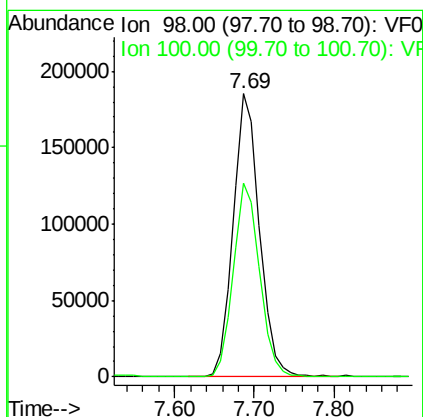
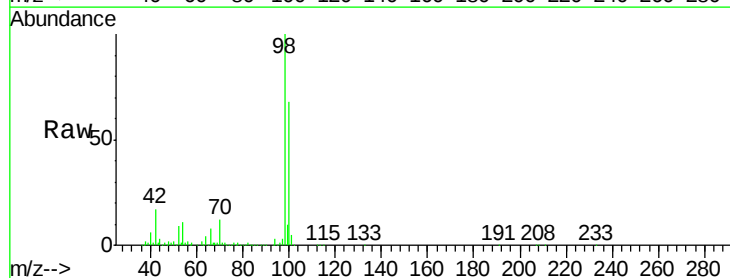
Acq: 26 Jun 2018 18:37

Tgt Ion: 98 Resp: 427880

Ion Ratio Lower Upper

98 100

100 68.4 54.6 82.0





#51

4-Methyl-2-Pentanone

Concen: 425.054 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

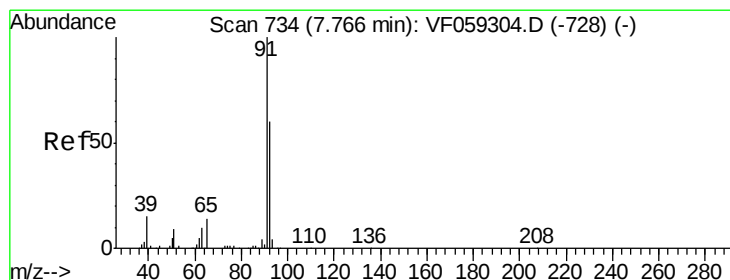
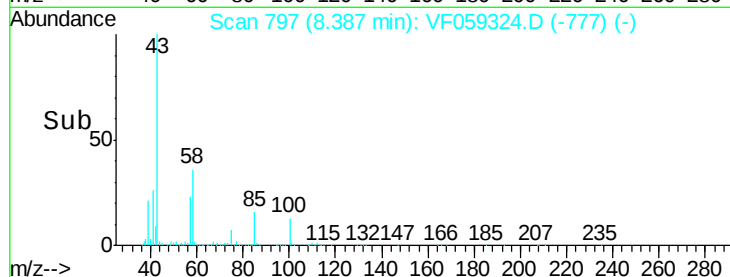
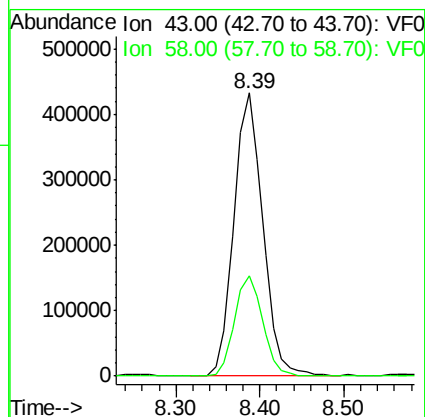
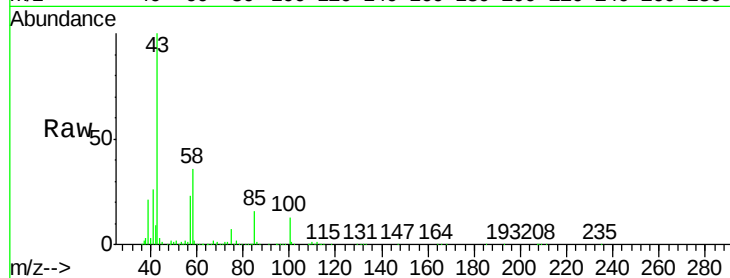
WP021SB472-13-15-180618

Tot Ion: 43 Resp: 1032434

Ion Ratio Lower Upper

43 100

58 35.7 28.4 42.6



#52

Toluene

Concen: 57.623 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059324.D

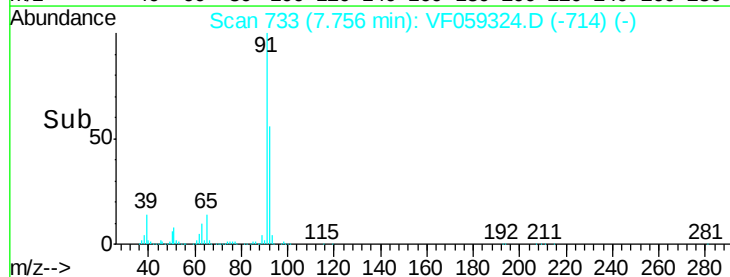
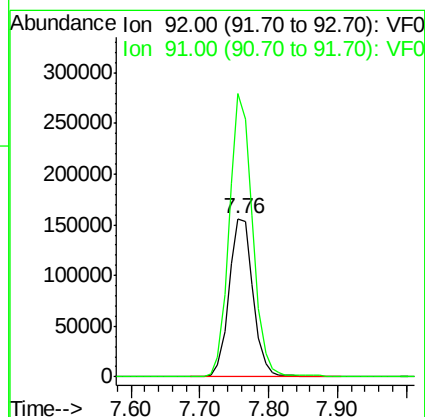
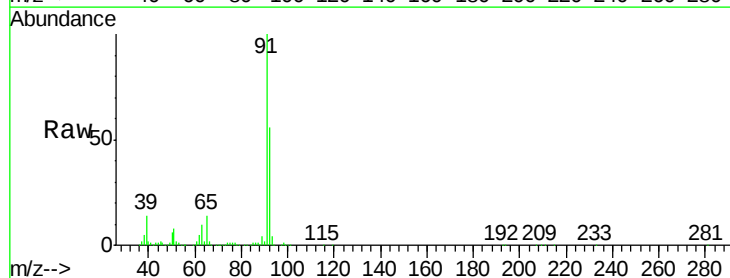
Acq: 26 Jun 2018 18:37

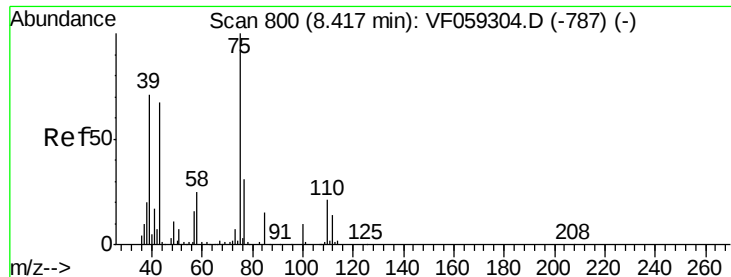
Tgt Ion: 92 Resp: 376296

Ion Ratio Lower Upper

92 100

91 178.6 132.8 199.2





#53

t-1,3-Dichloropropene

Concen: 44.302 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

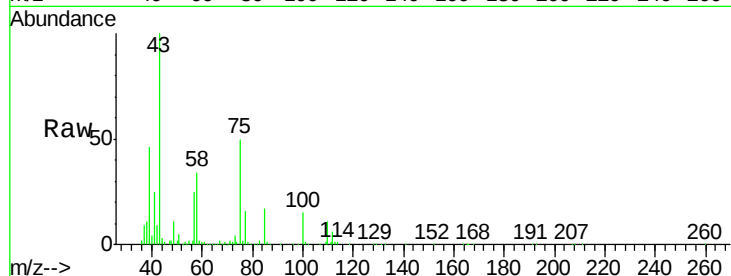
WP021SB472-13-15-180618

Tot Ion: 75 Resp: 211551

Ion Ratio Lower Upper

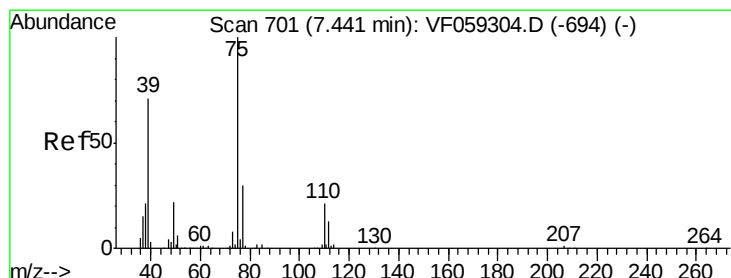
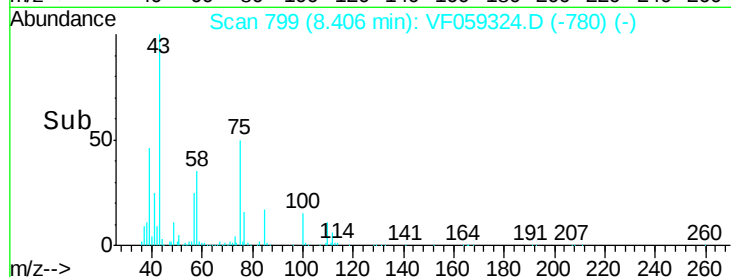
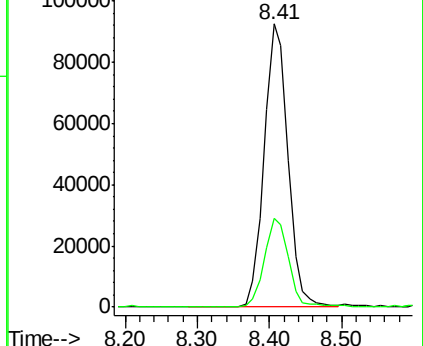
75 100

77 31.6 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 46.493 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

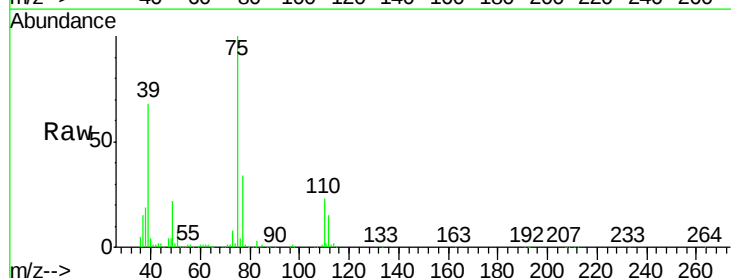
Tgt Ion: 75 Resp: 241156

Ion Ratio Lower Upper

75 100

77 34.0 24.3 36.5

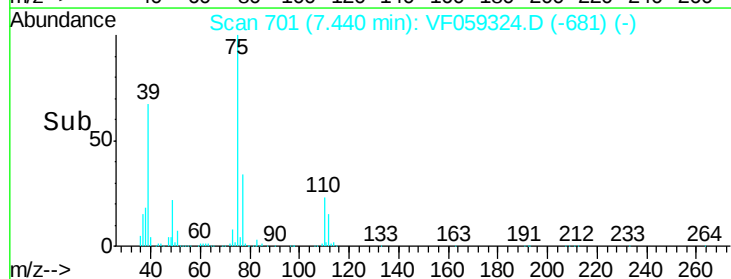
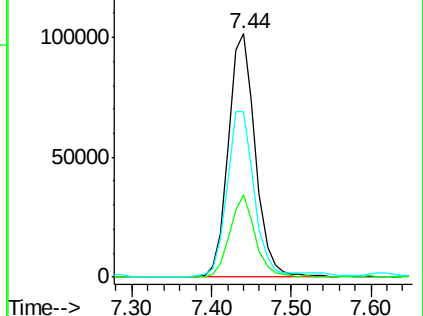
39 67.9 57.2 85.8

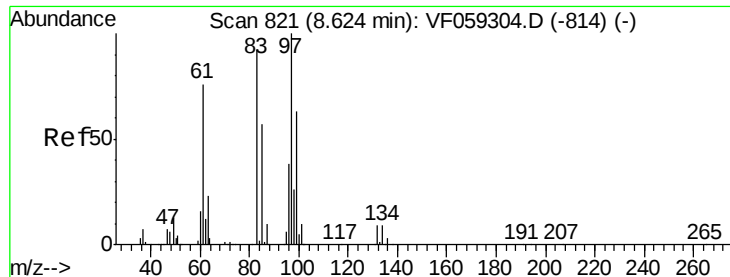


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 56.751 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

Tot Ion: 97 Resp: 143893

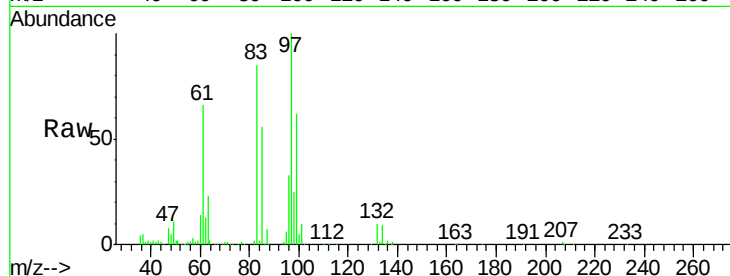
Ion Ratio Lower Upper

97 100

83 85.4 73.8 110.8

85 56.3 45.5 68.3

99 62.0 50.7 76.1

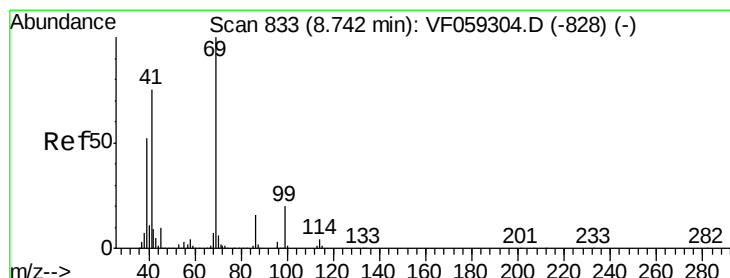
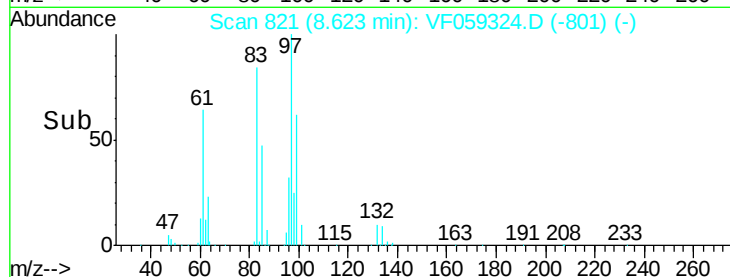
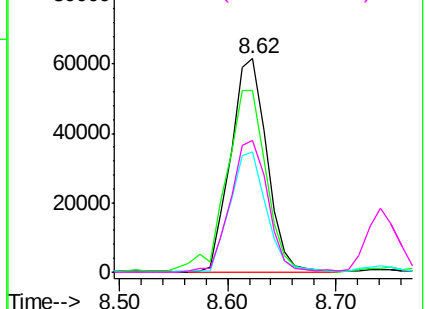


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 61.669 ug/l

RT: 8.74 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

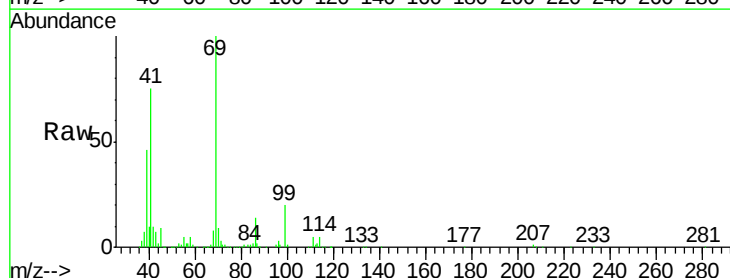
Tgt Ion: 69 Resp: 193698

Ion Ratio Lower Upper

69 100

41 74.6 60.3 90.5

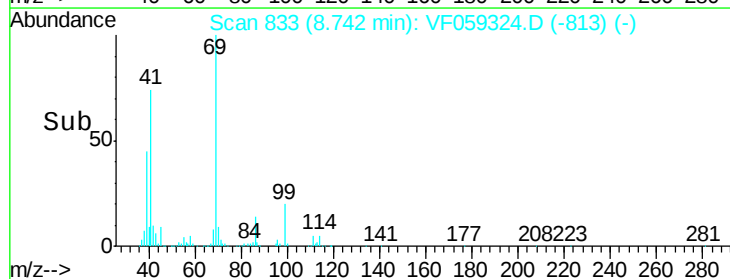
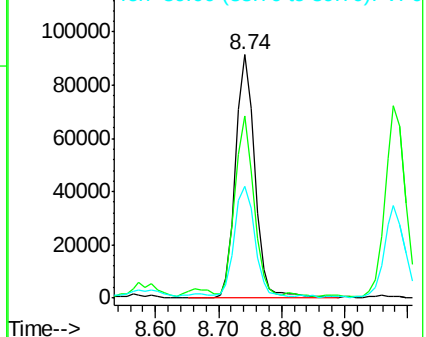
39 45.9 42.2 63.4

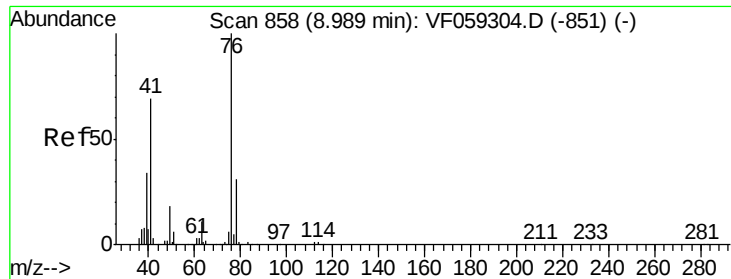


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 52.343 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

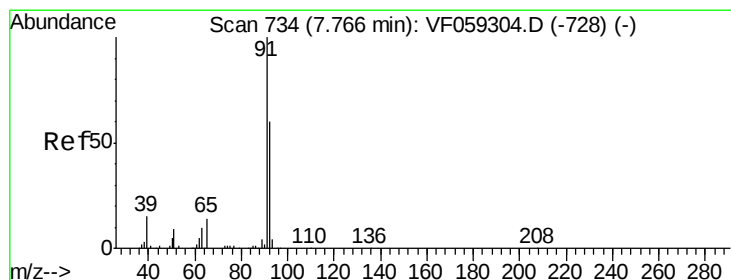
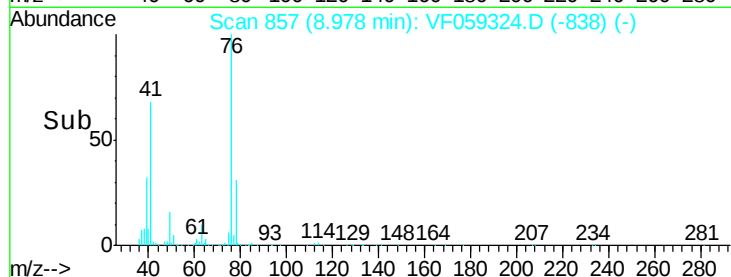
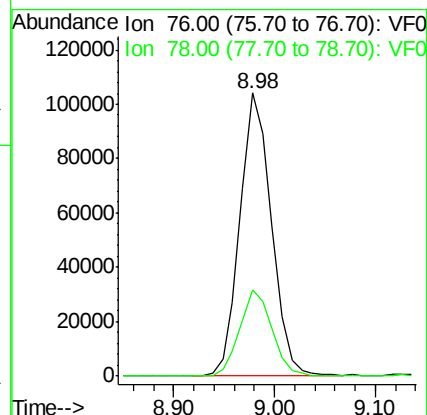
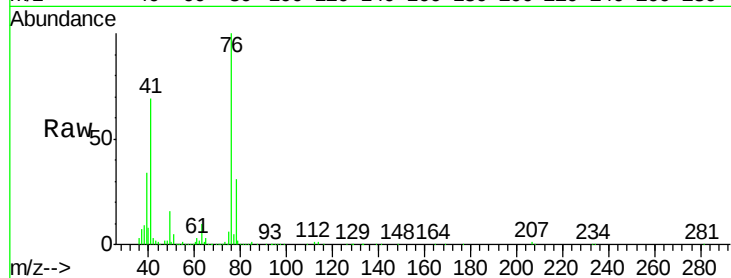
WP021SB472-13-15-180618

Tot Ion: 76 Resp: 227612

Ion Ratio Lower Upper

76 100

78 30.6 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 288.785 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059324.D

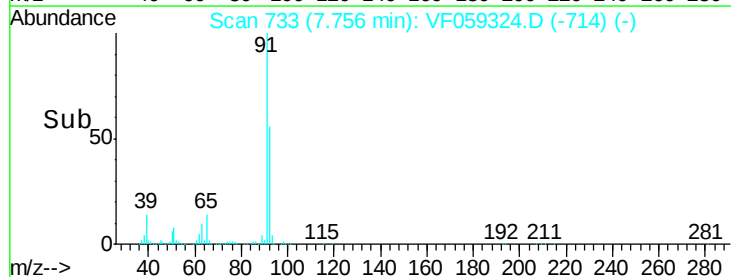
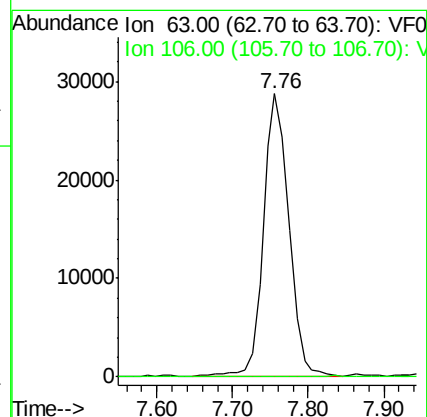
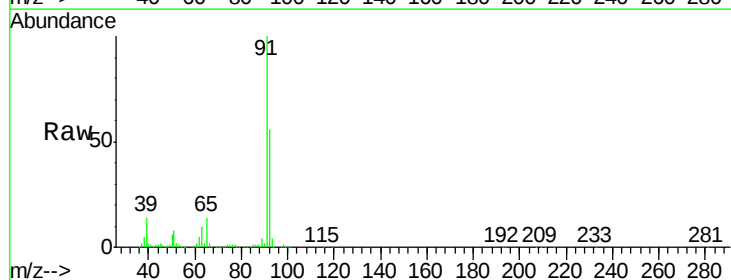
Acq: 26 Jun 2018 18:37

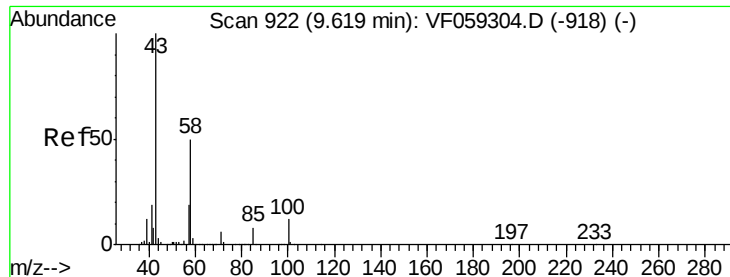
Tgt Ion: 63 Resp: 68028

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

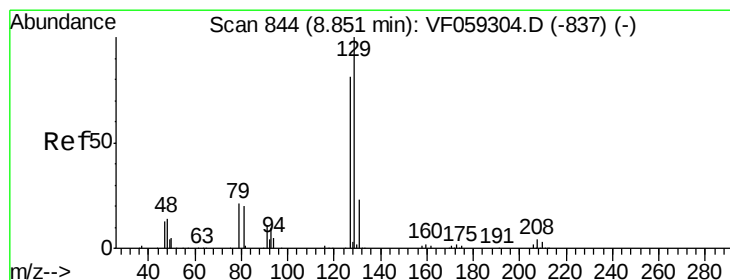
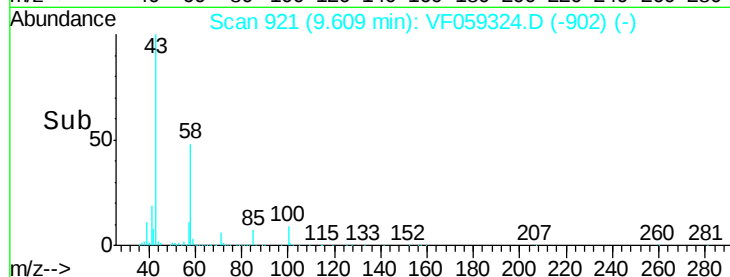
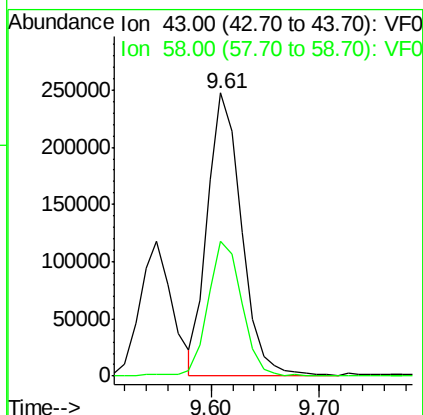
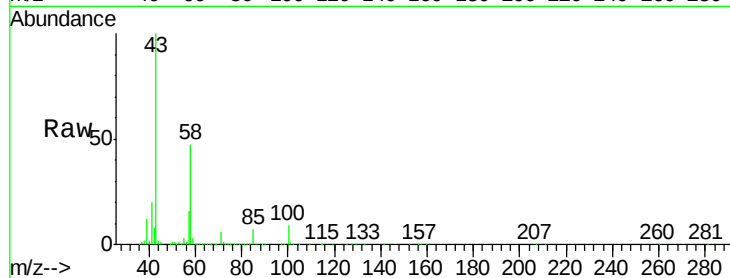




#59
2-Hexanone
Concen: 298.259 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

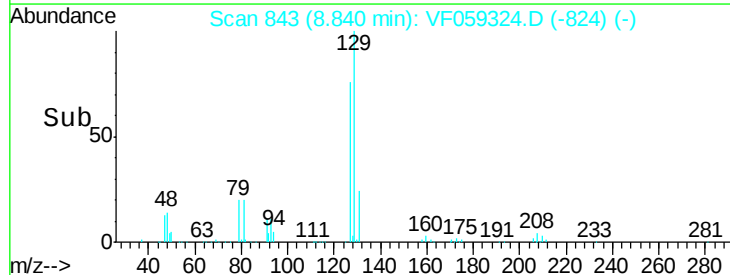
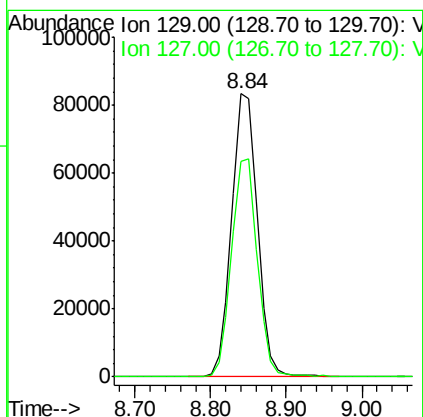
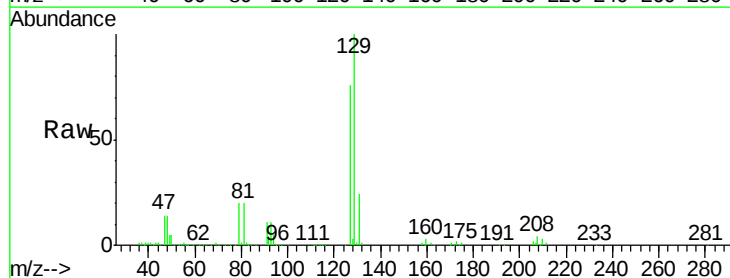
Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

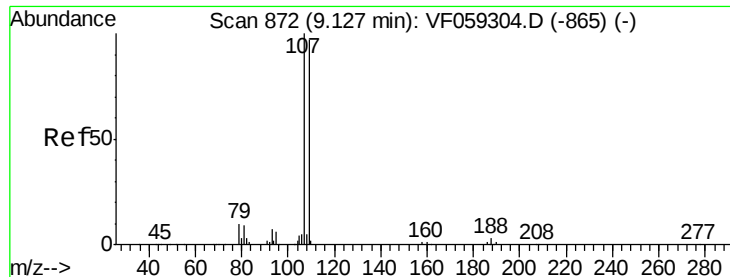
Tot Ion: 43 Resp: 538302
Ion Ratio Lower Upper
43 100
58 47.4 23.3 69.9



#60
Dibromochloromethane
Concen: 49.783 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.01 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion: 129 Resp: 194874
Ion Ratio Lower Upper
129 100
127 75.9 40.7 122.1





#61

1,2-Dibromoethane

Concen: 52.526 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

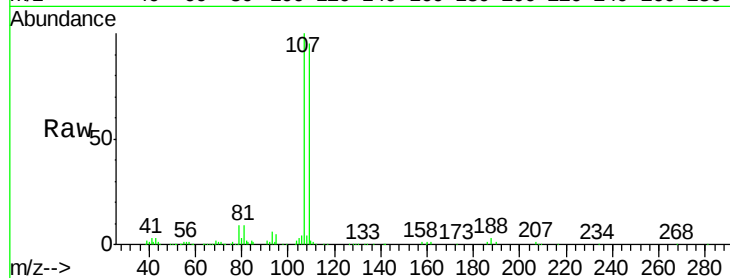
WP021SB472-13-15-180618

Tot Ion:107 Resp: 161517

Ion Ratio Lower Upper

107 100

109 94.8 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.12

80000

60000

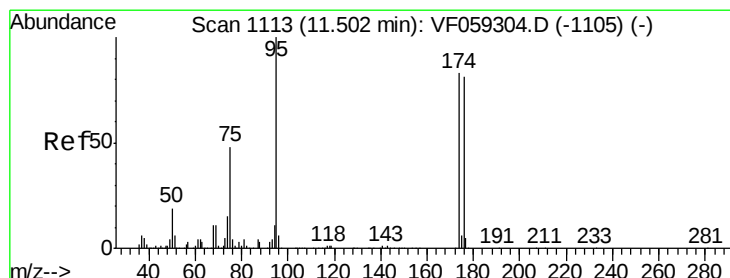
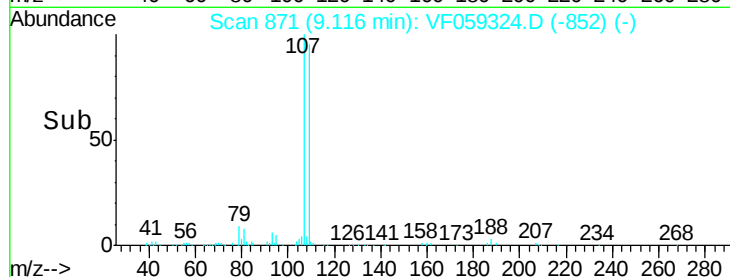
40000

20000

0

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 47.696 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

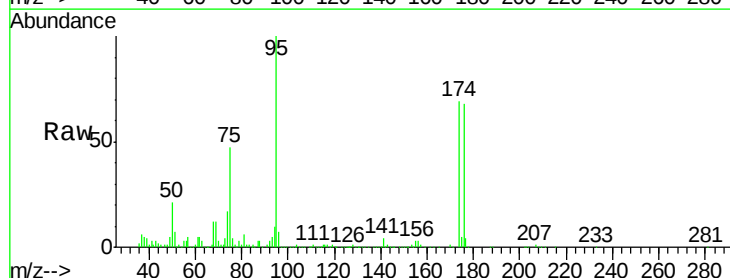
Tgt Ion: 95 Resp: 219305

Ion Ratio Lower Upper

95 100

174 69.4 0.0 165.2

176 67.9 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

11.49

150000

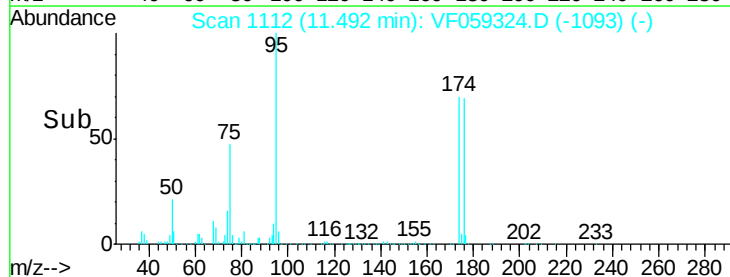
100000

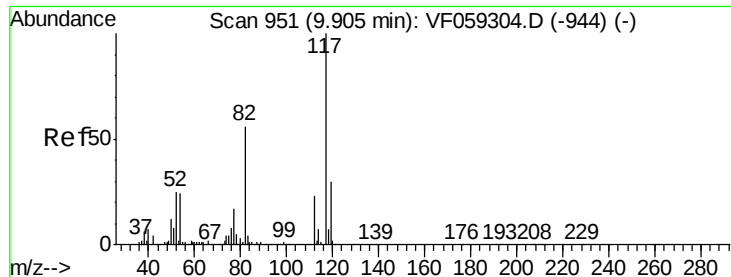
50000

0

11.40 11.50

Time-->

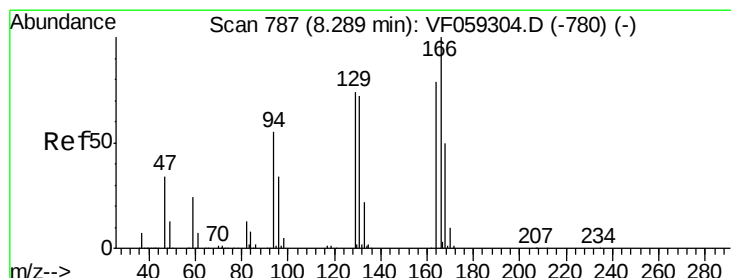
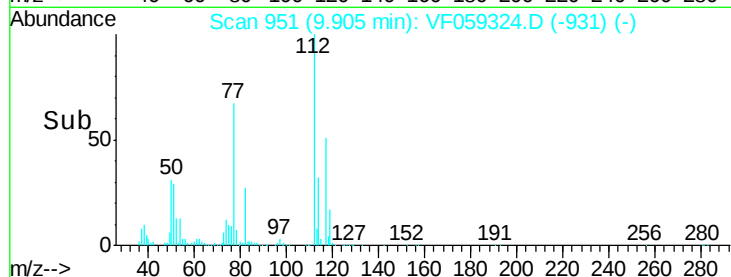
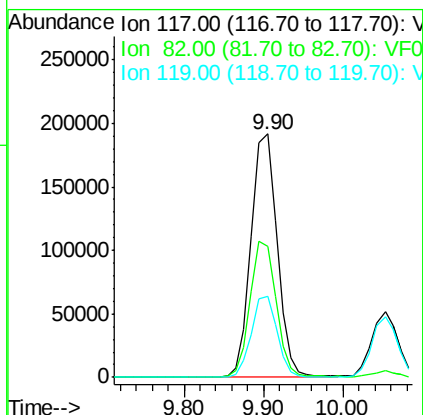
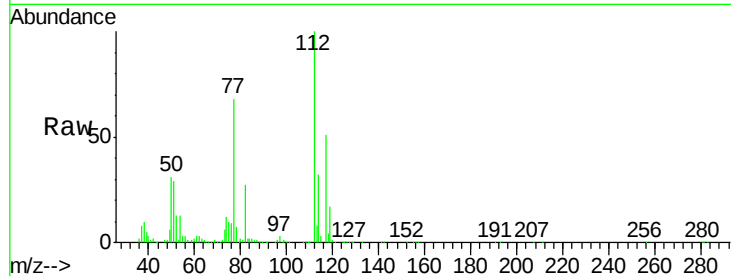




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

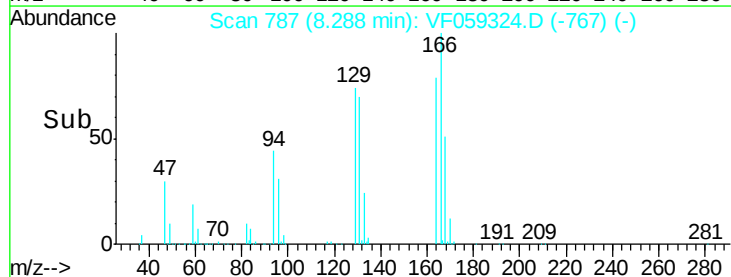
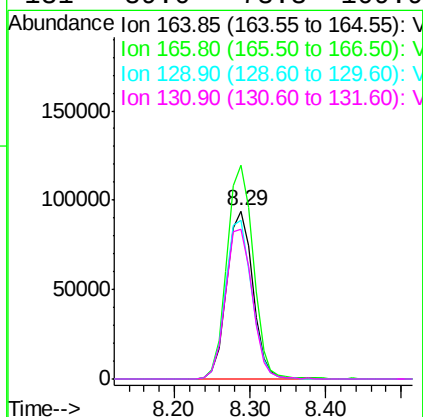
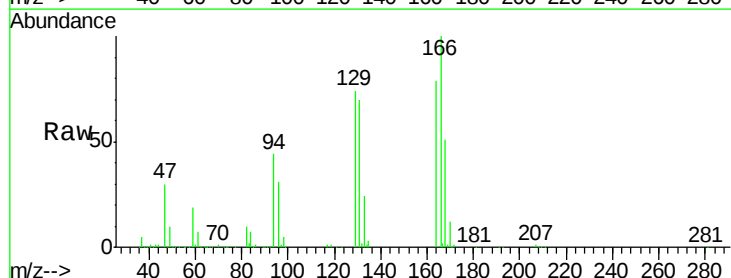
Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

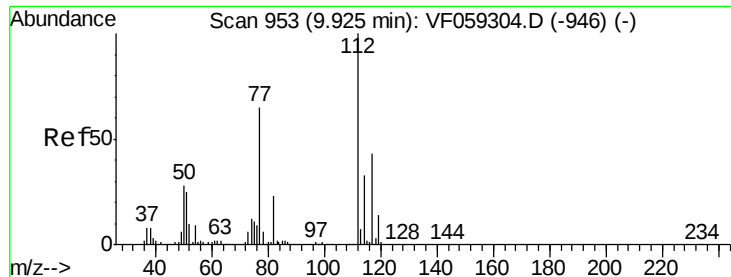
Tot Ion:117 Resp: 434468
Ion Ratio Lower Upper
117 100
82 54.0 44.6 66.8
119 33.2 24.1 36.1



#64
Tetrachloroethene
Concen: 79.241 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion:164 Resp: 223291
Ion Ratio Lower Upper
164 100
166 127.3 101.1 151.7
129 94.6 75.0 112.4
131 89.0 73.3 109.9





#65

Chlorobenzene

Concen: 251.672 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

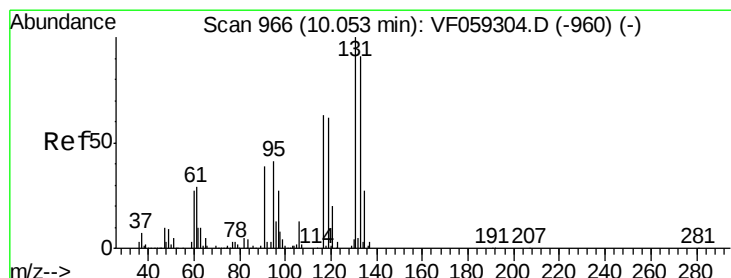
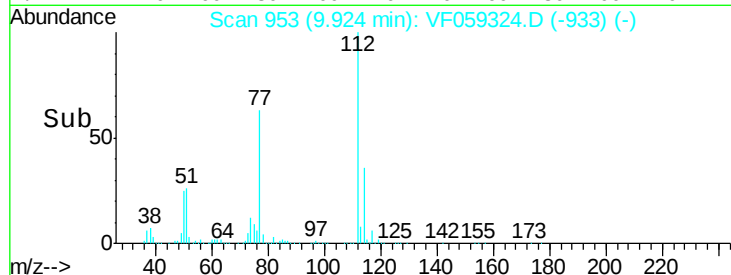
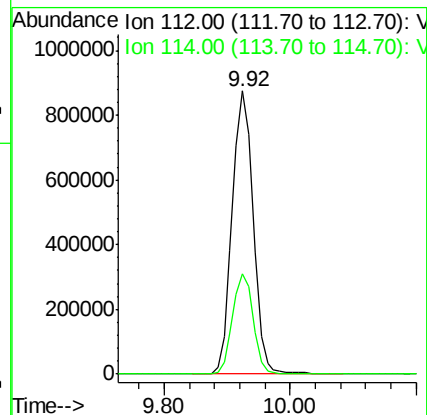
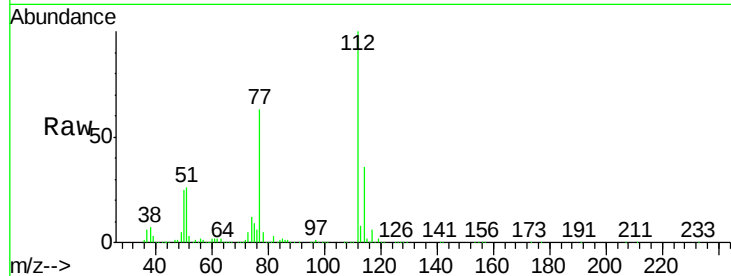
WP021SB472-13-15-180618

Tot Ion:112 Resp: 2026144

Ion Ratio Lower Upper

112 100

114 35.6 26.5 39.7



#66

1,1,1,2-Tetrachloroethane

Concen: 48.059 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

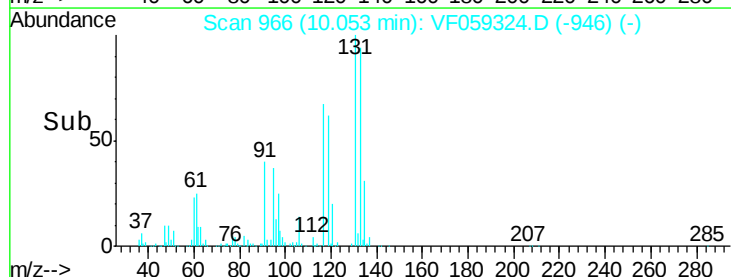
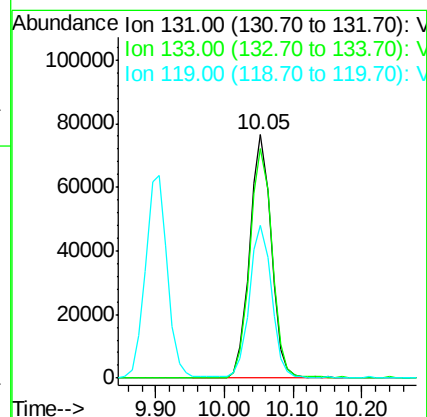
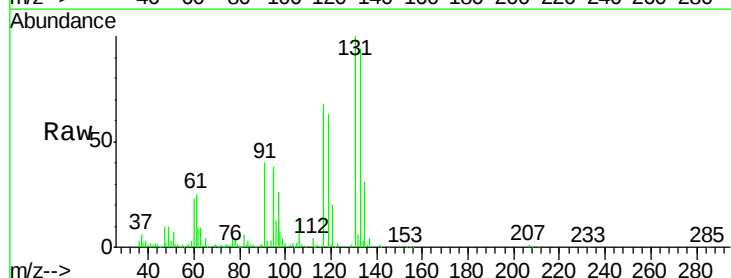
Tgt Ion:131 Resp: 167341

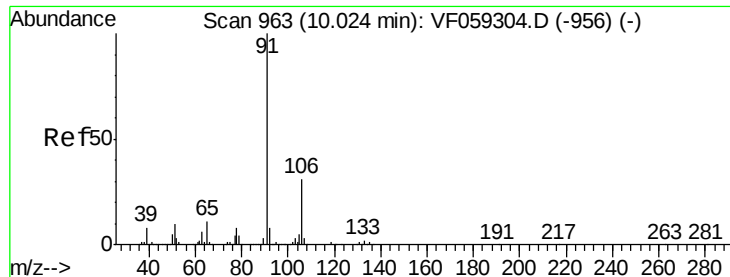
Ion Ratio Lower Upper

131 100

133 94.3 45.3 135.9

119 62.9 31.3 93.9





#67

Ethyl Benzene

Concen: 54.165 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

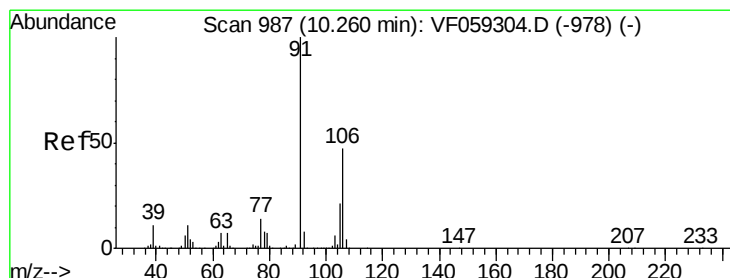
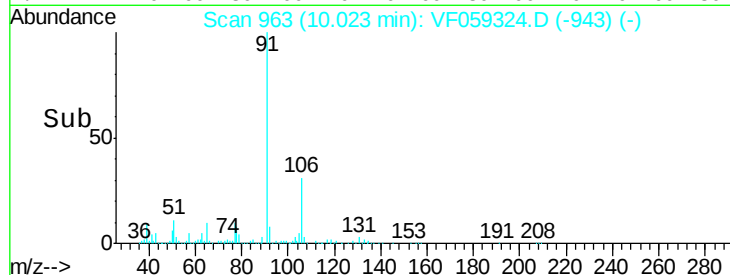
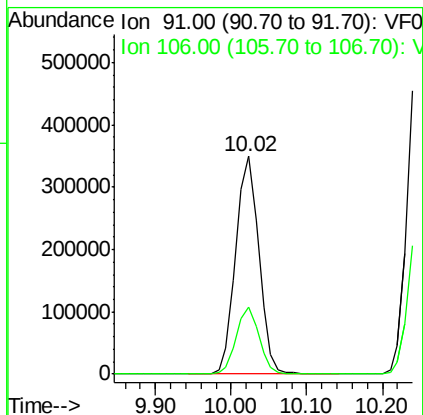
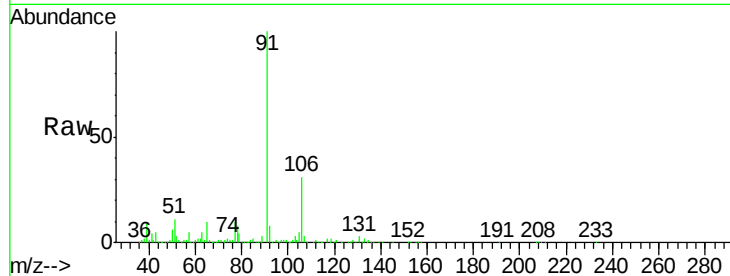
WP021SB472-13-15-180618

Tot Ion: 91 Resp: 739770

Ion Ratio Lower Upper

91 100

106 30.6 24.8 37.2



#68

m/p-Xylenes

Concen: 121.943 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059324.D

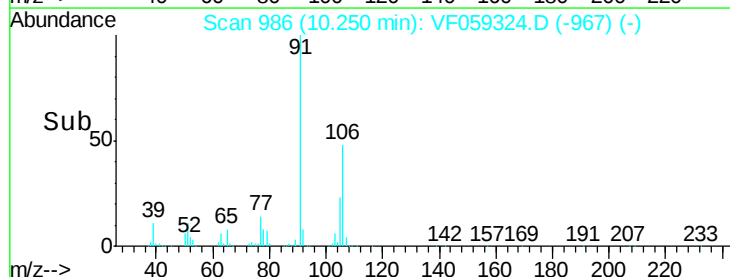
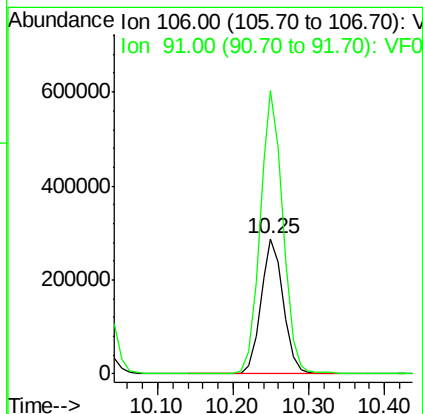
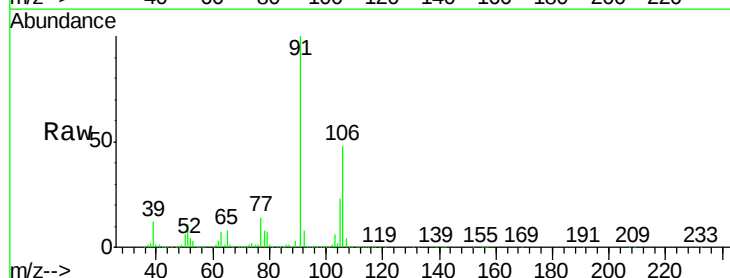
Acq: 26 Jun 2018 18:37

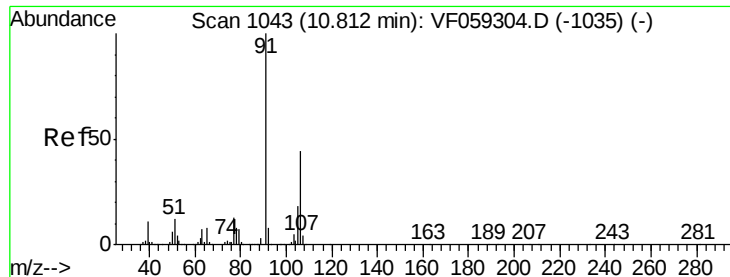
Tgt Ion: 106 Resp: 592777

Ion Ratio Lower Upper

106 100

91 209.1 170.8 256.2

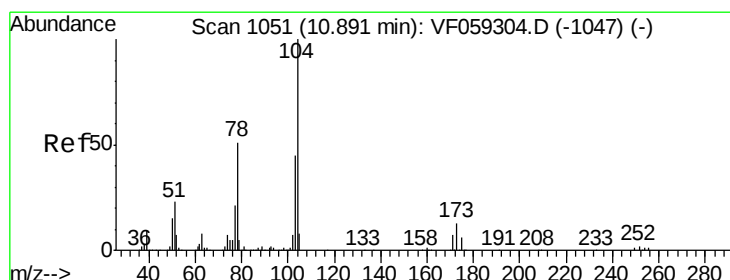
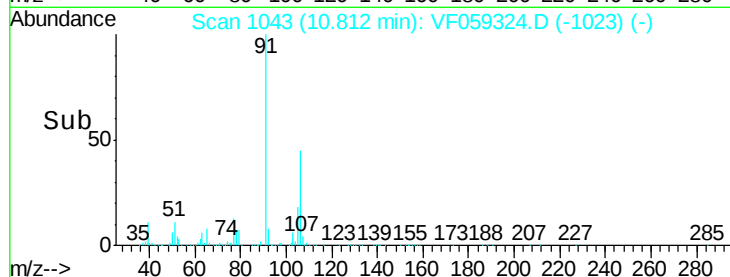
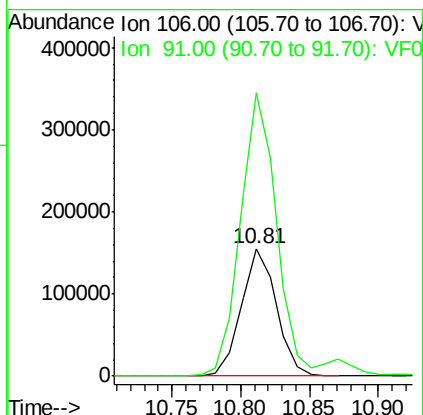
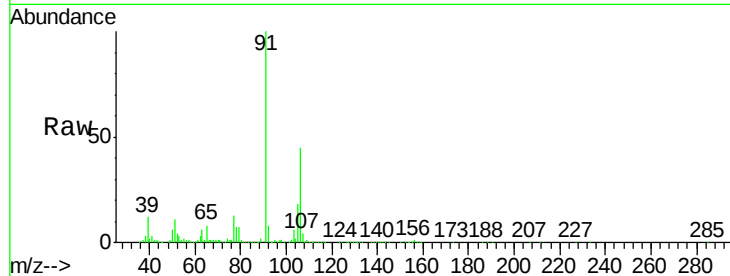




#69
o-Xylene
Concen: 50.868 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

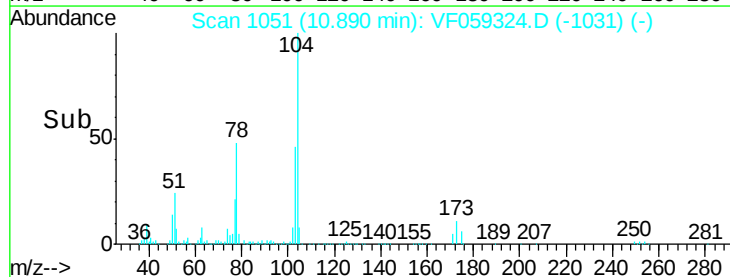
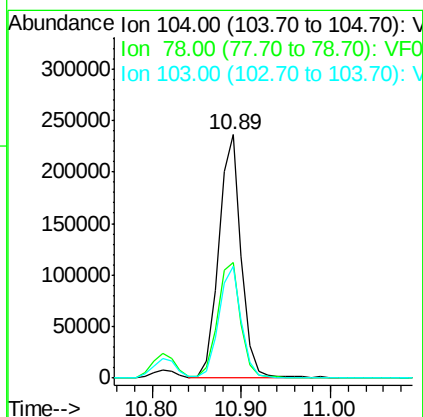
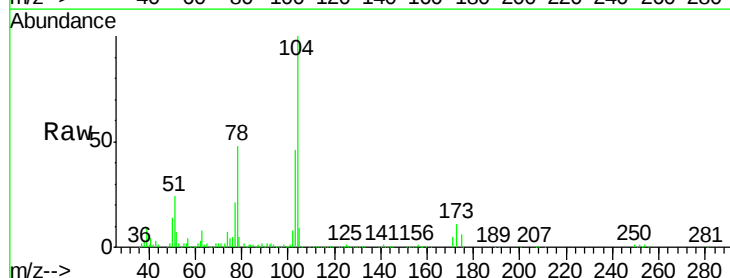
Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

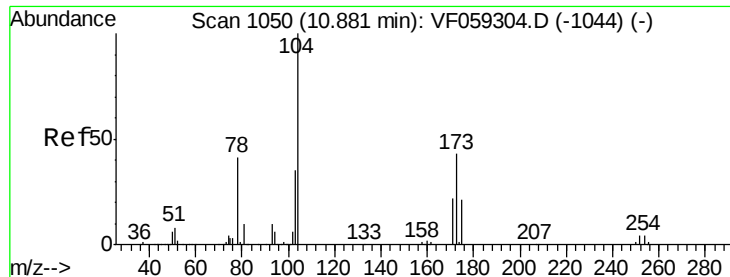
Tot Ion:106 Resp: 276583
Ion Ratio Lower Upper
106 100
91 222.4 114.6 343.6



#70
Styrene
Concen: 50.081 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion:104 Resp: 414795
Ion Ratio Lower Upper
104 100
78 47.7 40.9 61.3
103 45.7 36.5 54.7





#71

Bromoform

Concen: 53.999 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

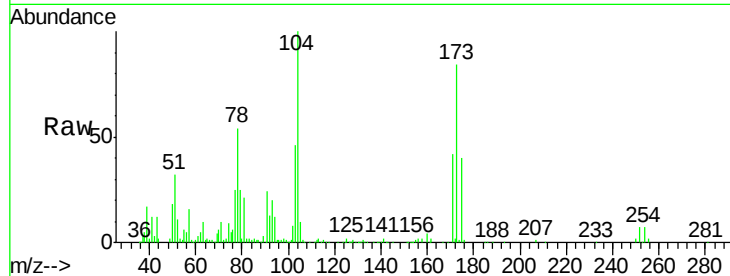
Tot Ion:173 Resp: 128874

Ion Ratio Lower Upper

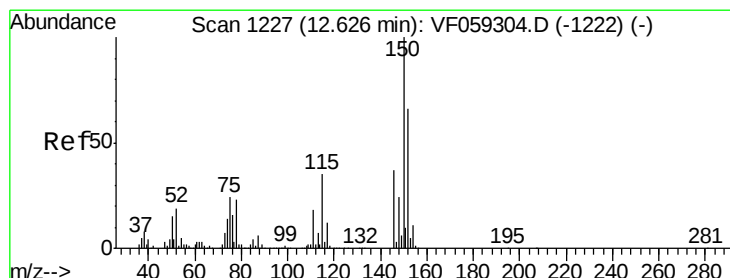
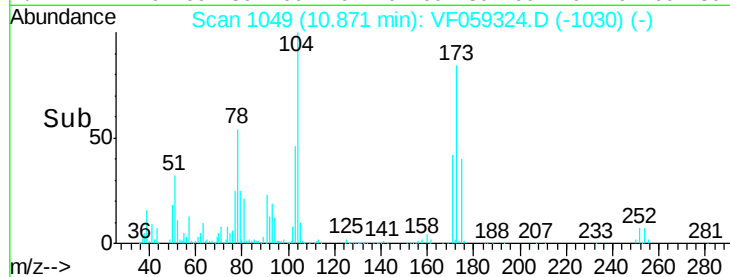
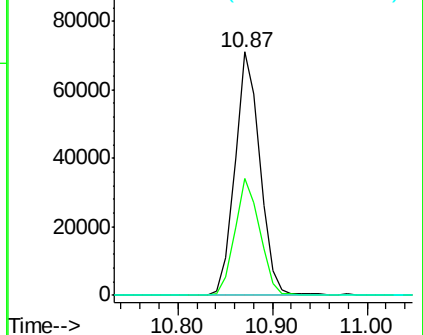
173 100

175 47.3 24.8 74.3

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

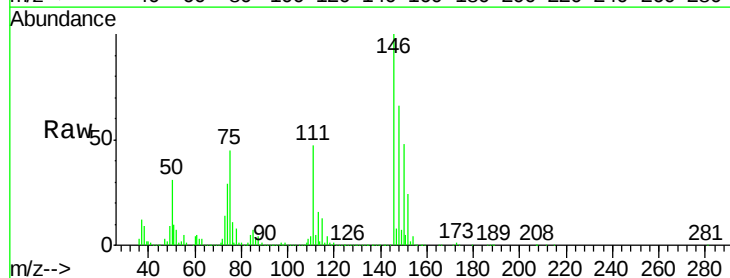
Tgt Ion:152 Resp: 225087

Ion Ratio Lower Upper

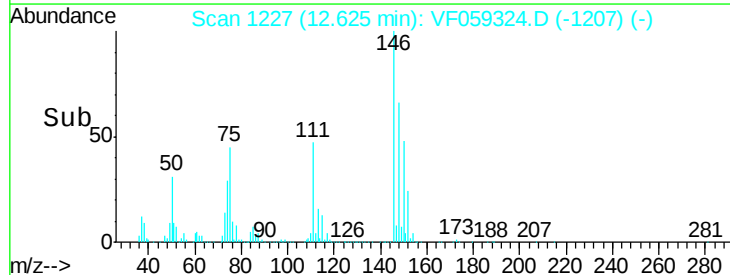
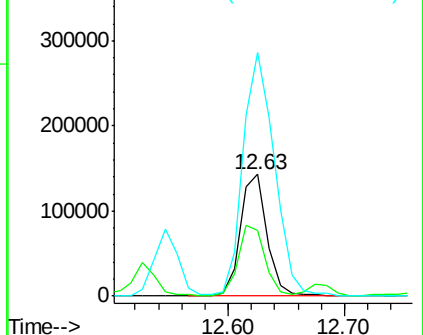
152 100

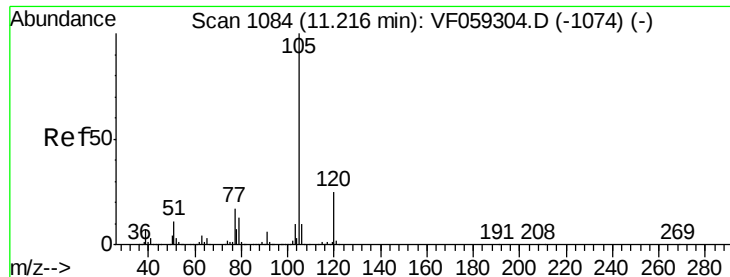
115 54.5 27.1 81.3

150 200.0 0.0 305.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 59.202 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

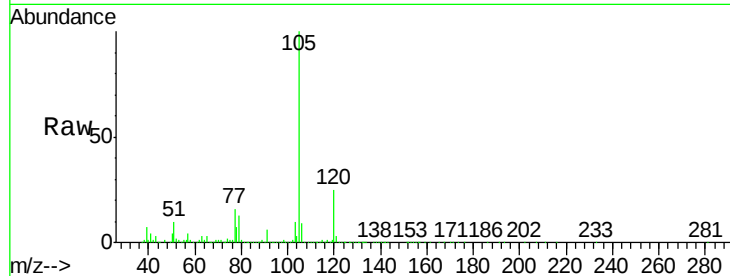
WP021SB472-13-15-180618

Tot Ion:105 Resp: 776311

Ion Ratio Lower Upper

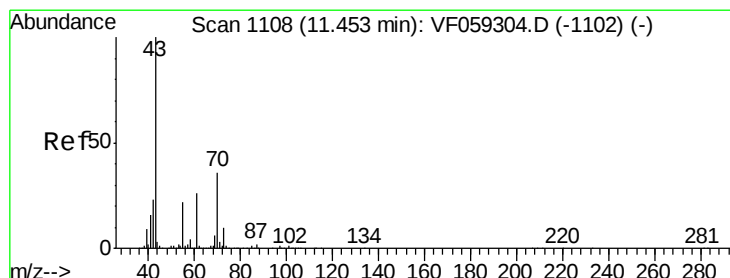
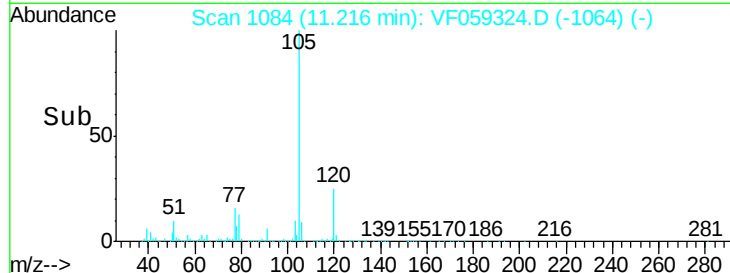
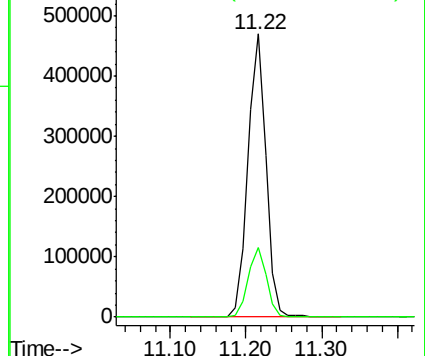
105 100

120 24.7 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: 56.560 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Tgt Ion: 43 Resp: 269142

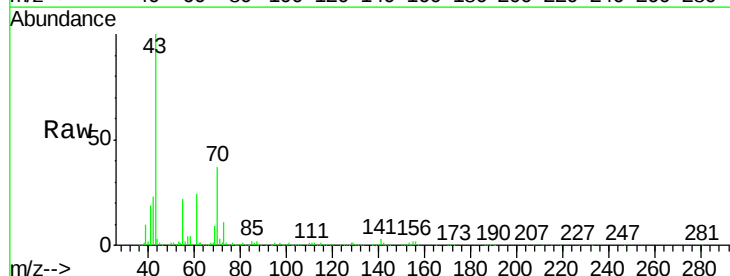
Ion Ratio Lower Upper

43 100

70 37.2 28.8 43.2

55 22.0 17.4 26.0

61 24.4 21.1 31.7

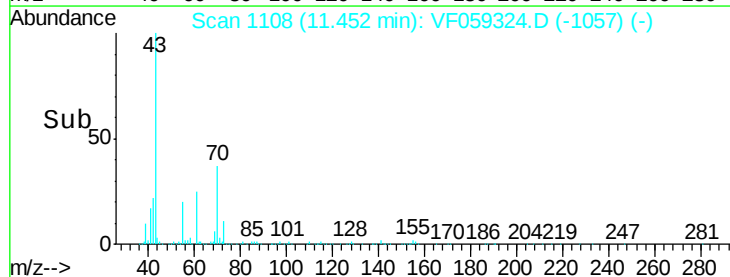
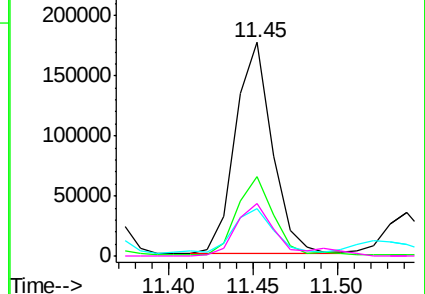


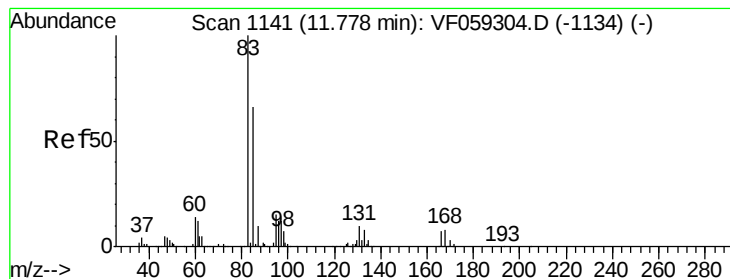
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 56.795 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

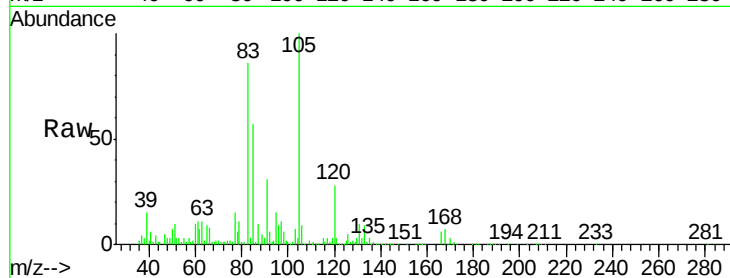
Tot Ion: 83 Resp: 188088

Ion Ratio Lower Upper

83 100

131 11.2 4.9 14.6

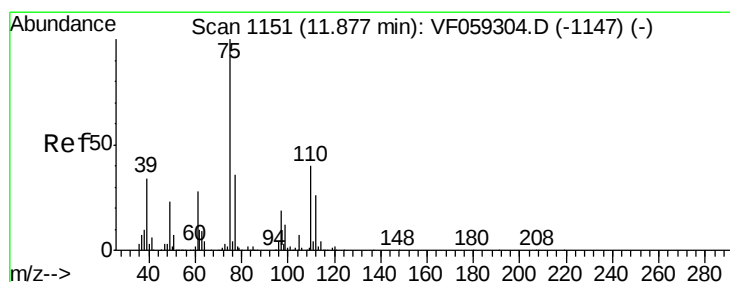
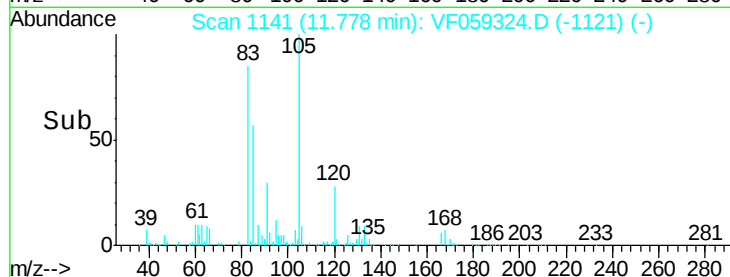
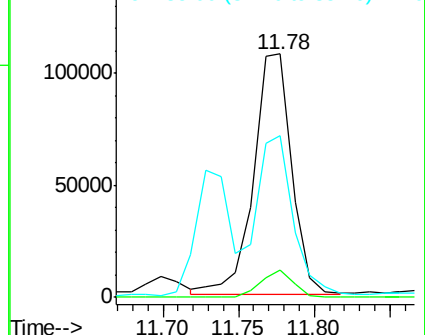
85 66.5 32.8 98.4



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: 61.026 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059324.D

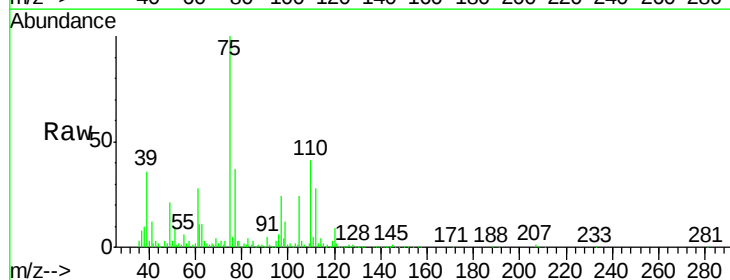
Acq: 26 Jun 2018 18:37

Tgt Ion: 75 Resp: 152451

Ion Ratio Lower Upper

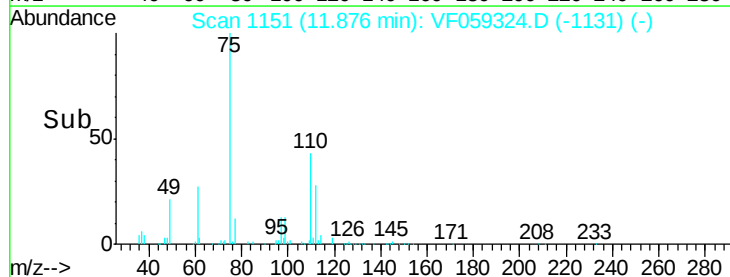
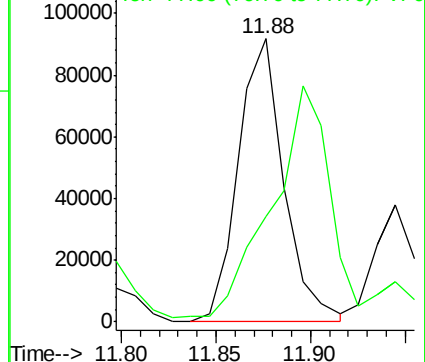
75 100

77 37.4 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: 56.887 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

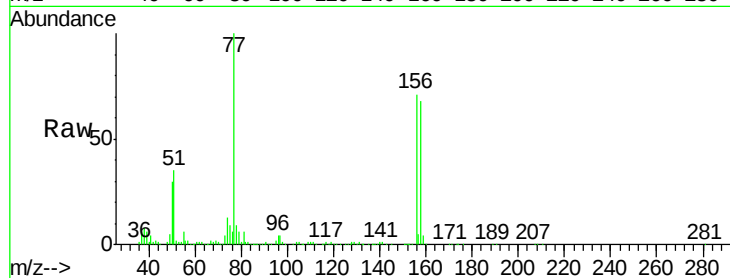
Tot Ion:156 Resp: 206961

Ion Ratio Lower Upper

156 100

77 141.0 79.7 238.9

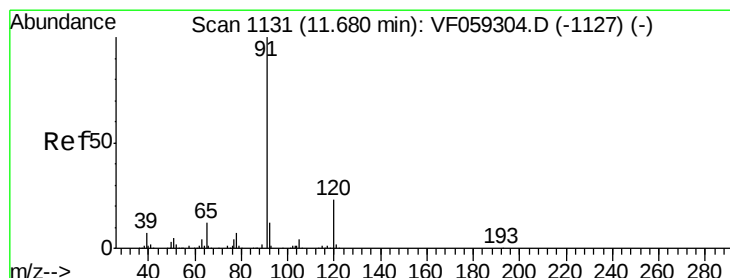
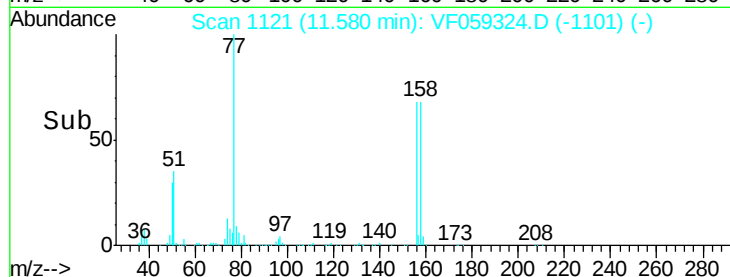
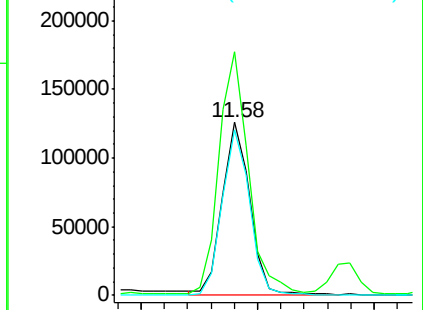
158 95.8 46.2 138.6



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: 58.747 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059324.D

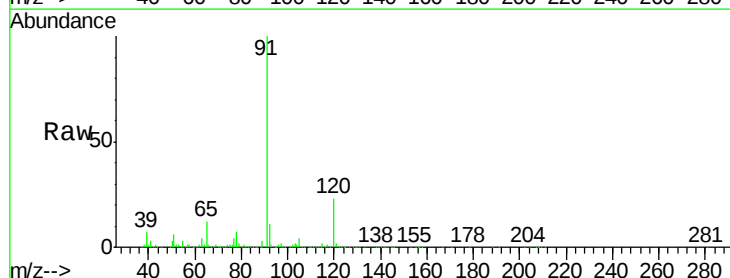
Acq: 26 Jun 2018 18:37

Tgt Ion: 91 Resp: 925155

Ion Ratio Lower Upper

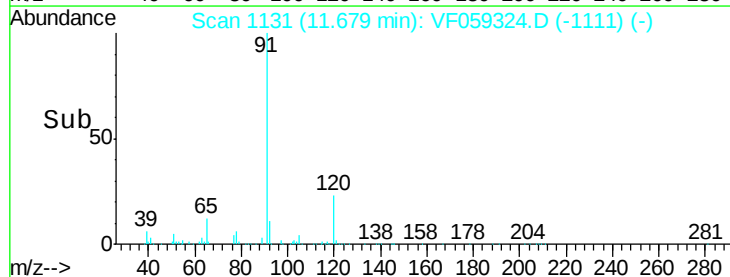
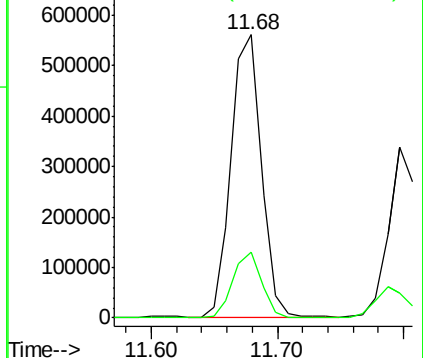
91 100

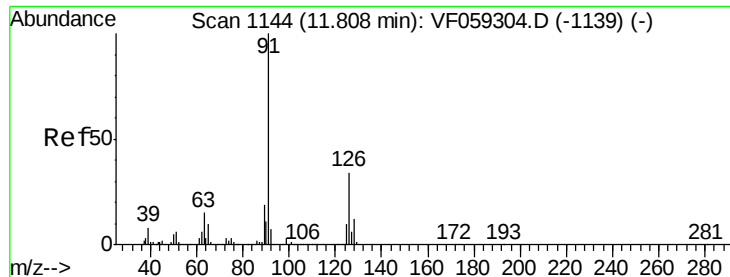
120 23.1 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

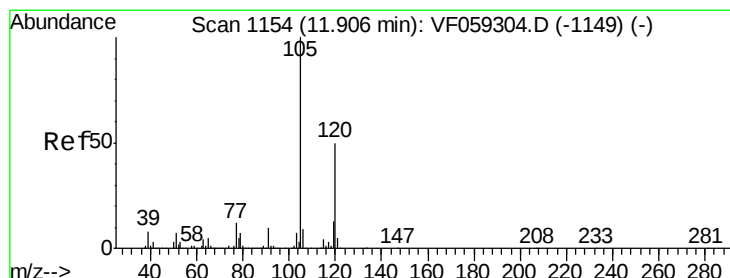
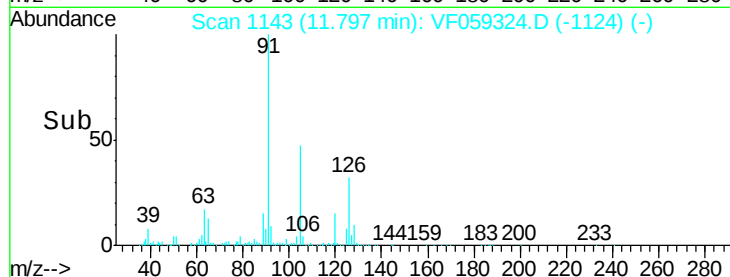
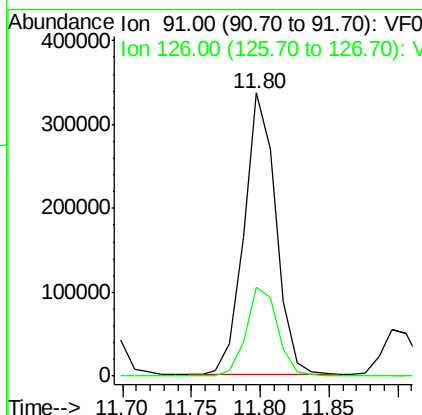
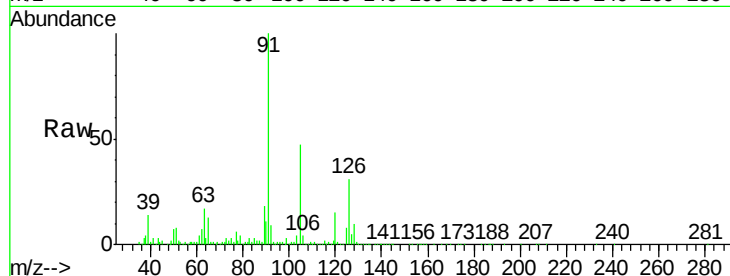




#79
2-Chlorotoluene
Concen: 56.351 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

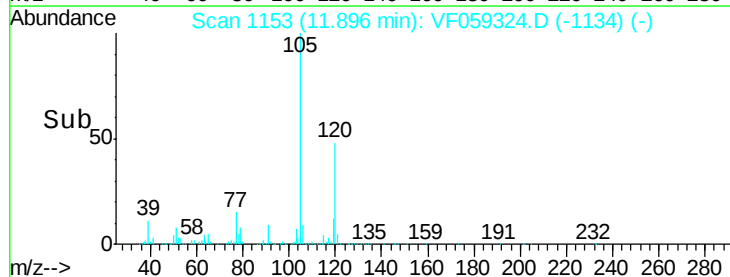
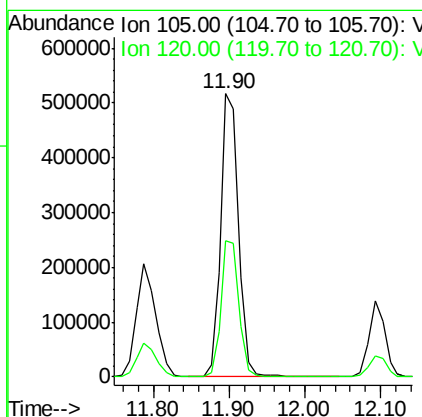
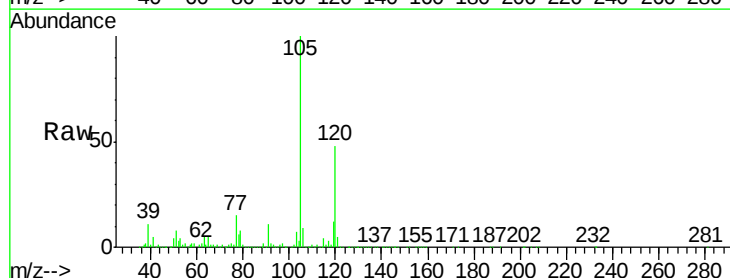
Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

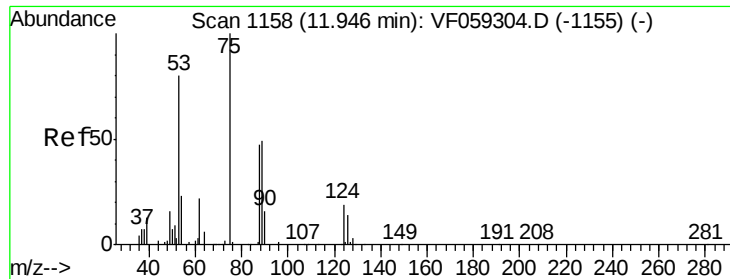
Tot Ion: 91 Resp: 542178
Ion Ratio Lower Upper
91 100
126 31.4 17.2 51.5



#80
1,3,5-Trimethylbenzene
Concen: 74.190 ug/l
RT: 11.90 min Scan# 1153
Delta R.T. -0.01 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion: 105 Resp: 852183
Ion Ratio Lower Upper
105 100
120 48.1 24.9 74.7

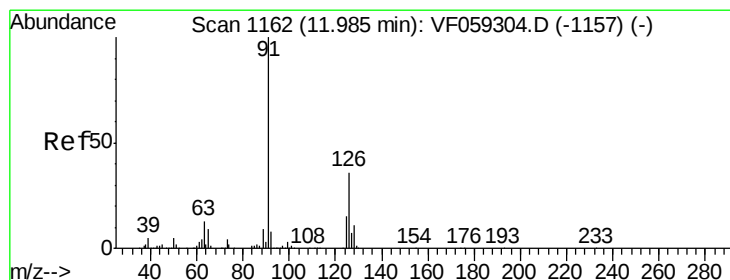
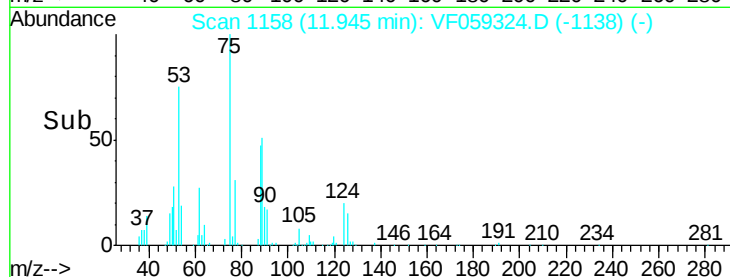
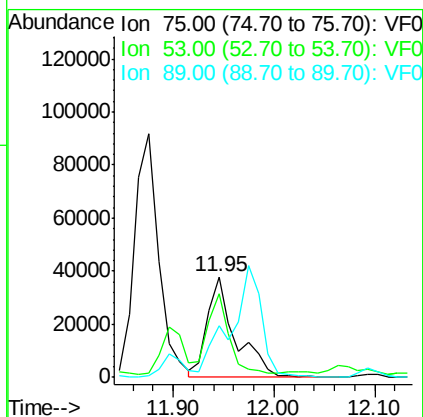
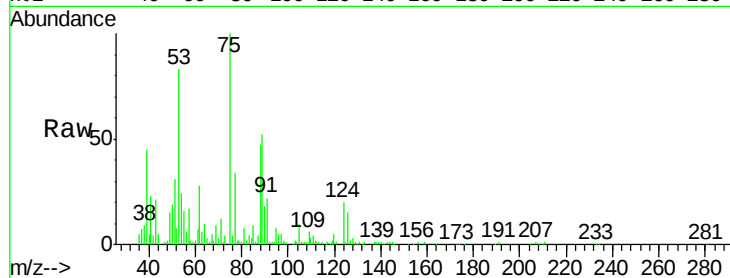




#81
trans-1,4-Dichloro-2-butene
Concen: 49.086 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

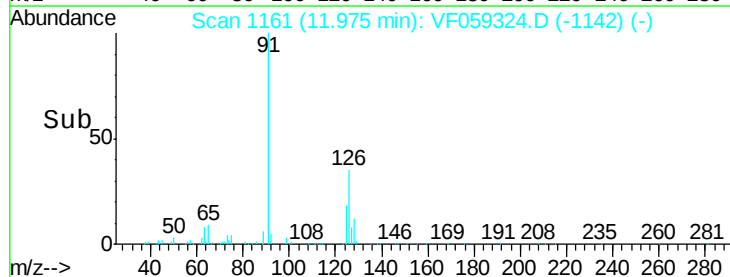
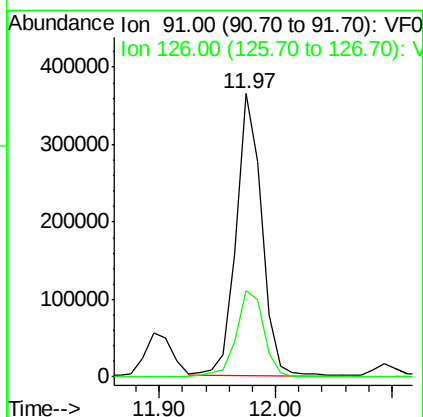
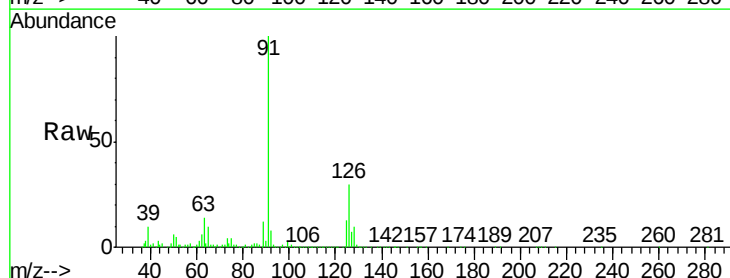
Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

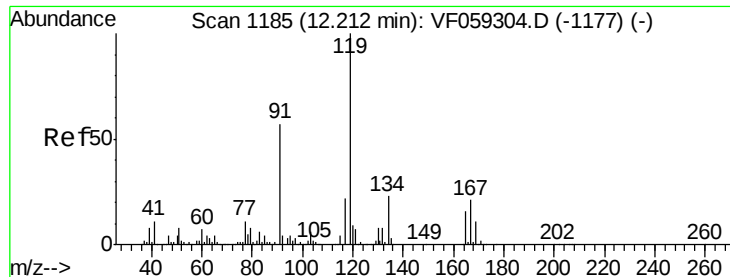
Tot Ion: 75 Resp: 72984
Ion Ratio Lower Upper
75 100
53 83.1 68.8 103.2
89 51.8 42.0 63.0



#82
4-Chlorotoluene
Concen: 53.672 ug/l
RT: 11.97 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion: 91 Resp: 553122
Ion Ratio Lower Upper
91 100
126 30.3 18.2 54.6

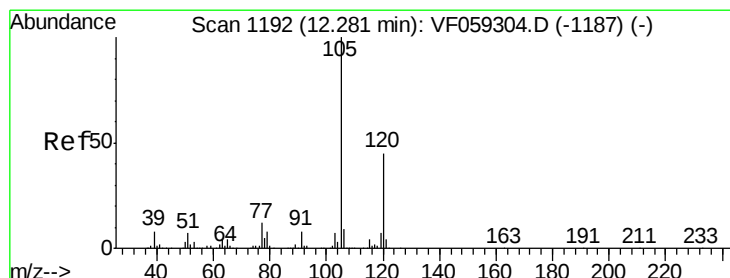
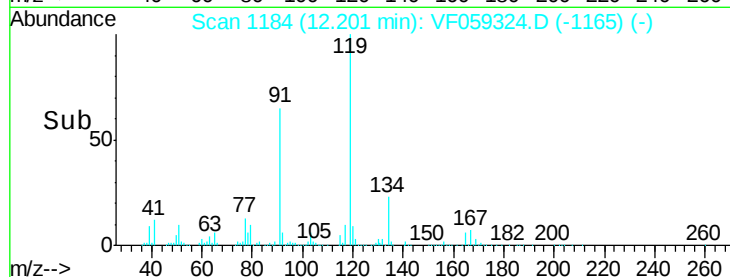
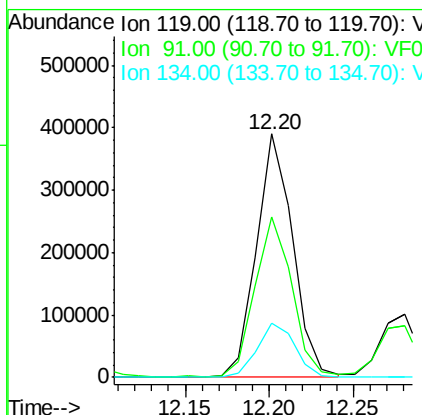
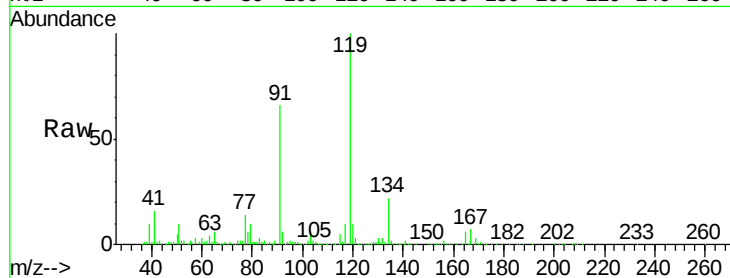




#83
 tert-Butylbenzene
 Concen: 50.739 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

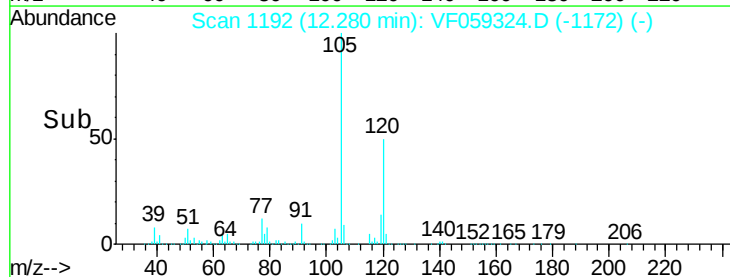
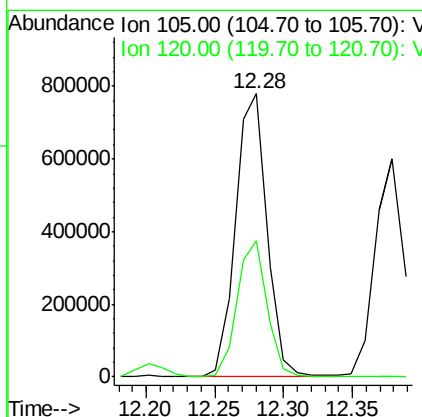
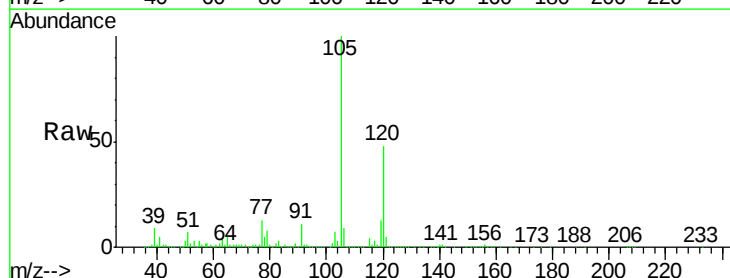
Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB472-13-15-180618

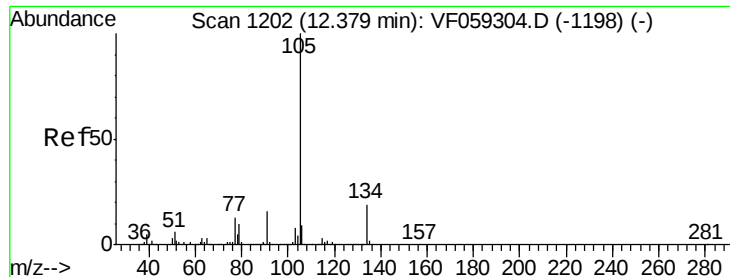
Tot Ion:119 Resp: 582910
 Ion Ratio Lower Upper
 119 100
 91 66.1 28.4 85.2
 134 22.5 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 102.240 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

Tgt Ion:105 Resp: 1236842
 Ion Ratio Lower Upper
 105 100
 120 48.3 22.8 68.4





#85

sec-Butylbenzene

Concen: 58.324 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

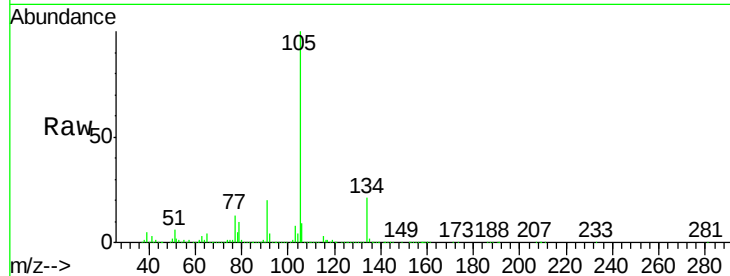
WP021SB472-13-15-180618

Tot Ion:105 Resp: 888164

Ion Ratio Lower Upper

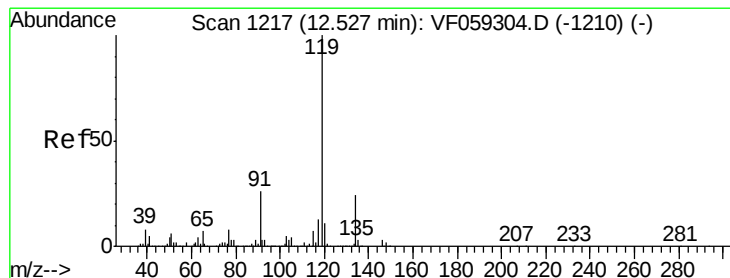
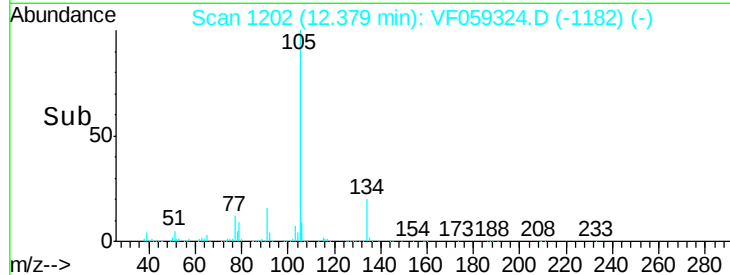
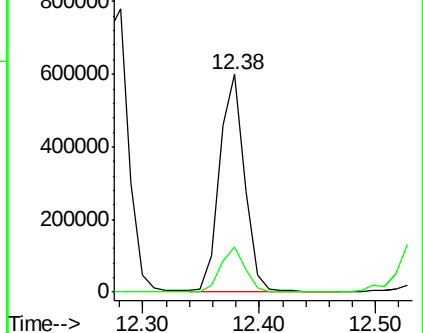
105 100

134 20.9 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: 61.662 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

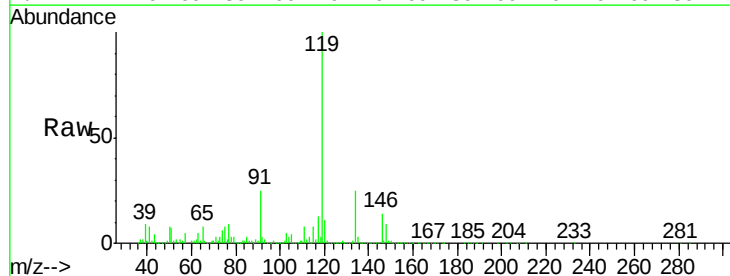
Tgt Ion:119 Resp: 788026

Ion Ratio Lower Upper

119 100

134 25.0 12.2 36.4

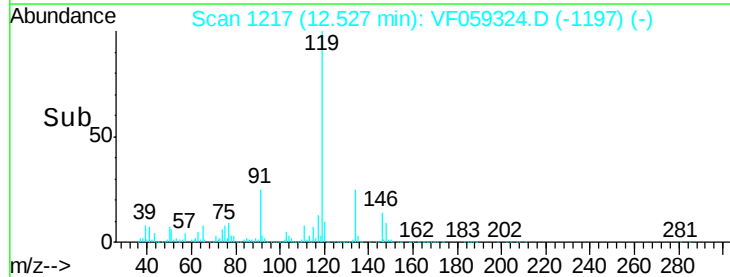
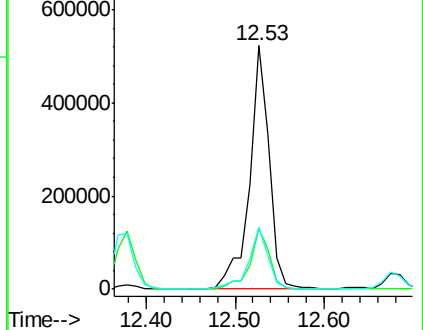
91 25.3 12.9 38.6

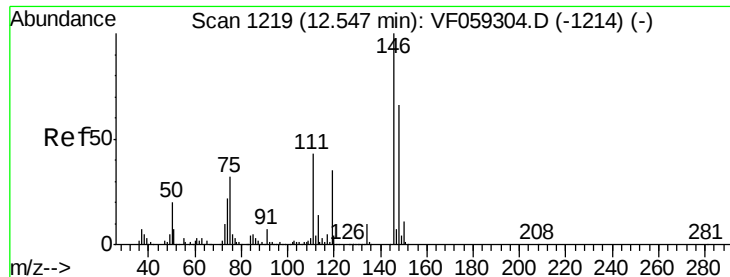


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

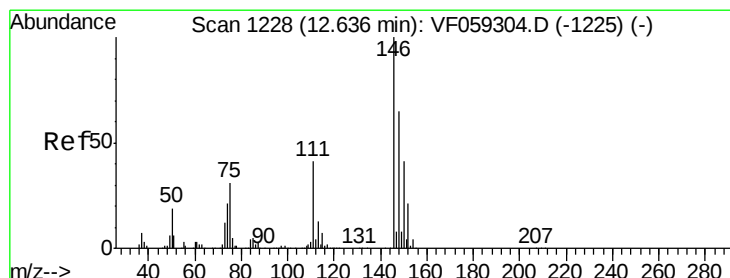
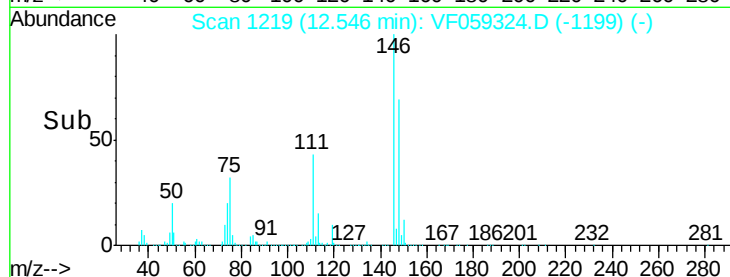
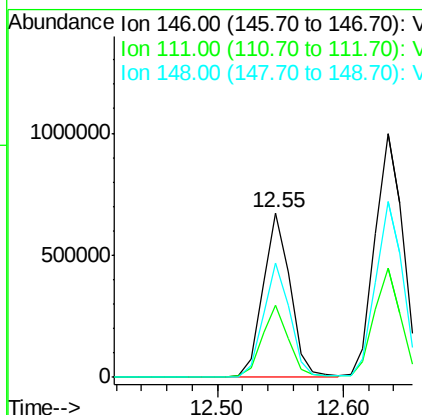
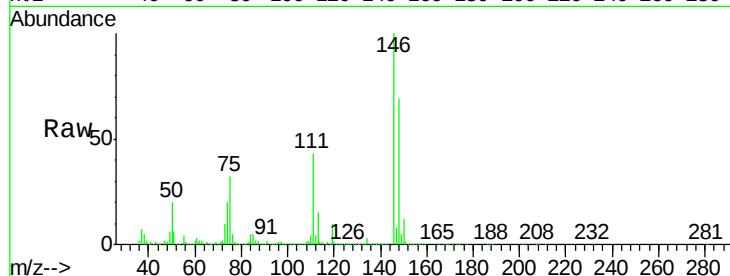




#87
 1,3-Dichlorobenzene
 Concen: 180.353 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

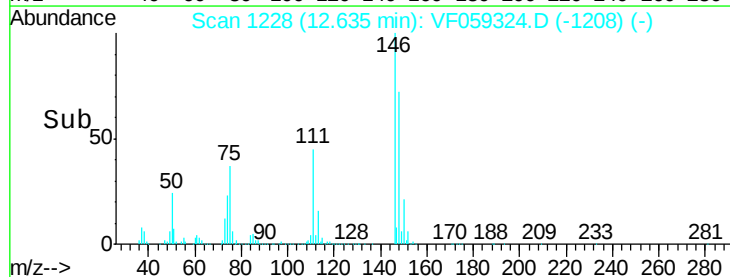
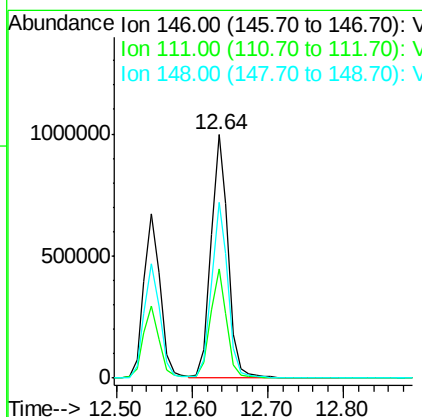
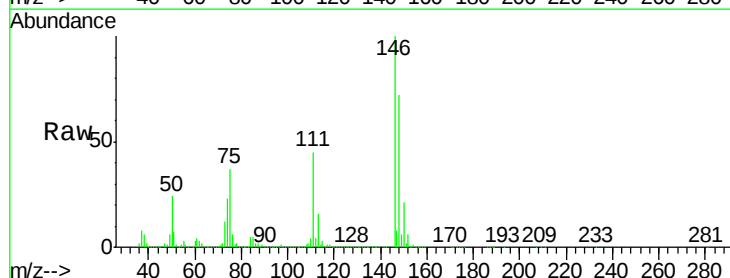
Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB472-13-15-180618

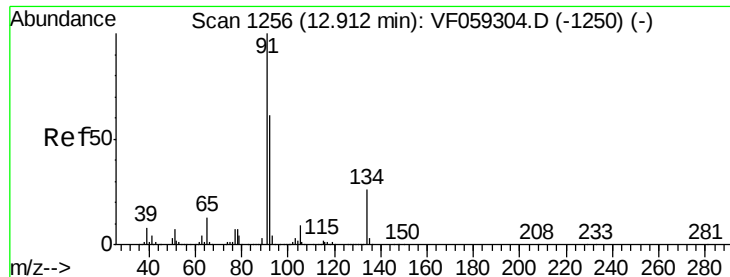
Tot Ion:146 Resp: 1011269
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.4 64.2
 148 69.5 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 245.993 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

Tgt Ion:146 Resp: 1598270
 Ion Ratio Lower Upper
 146 100
 111 44.9 20.7 62.1
 148 72.4 32.8 98.3





#89

n-Butylbenzene

Concen: 53.991 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

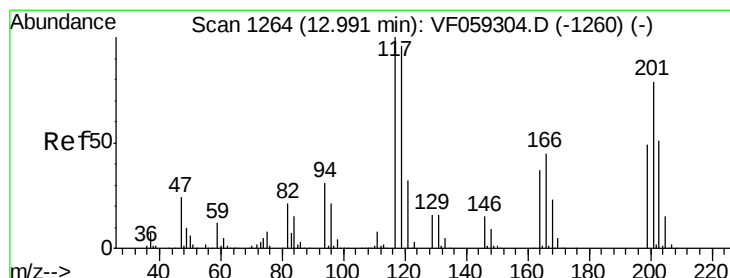
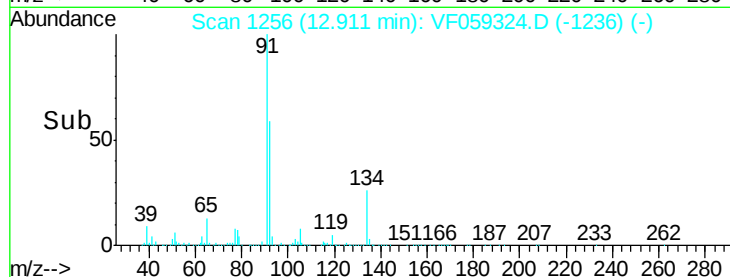
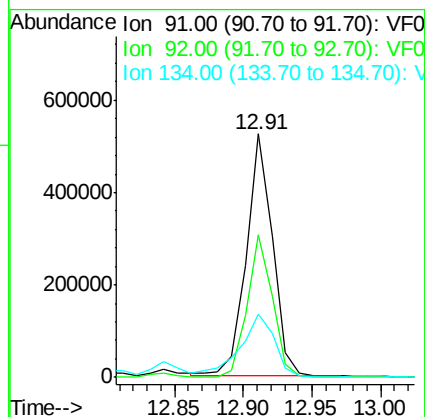
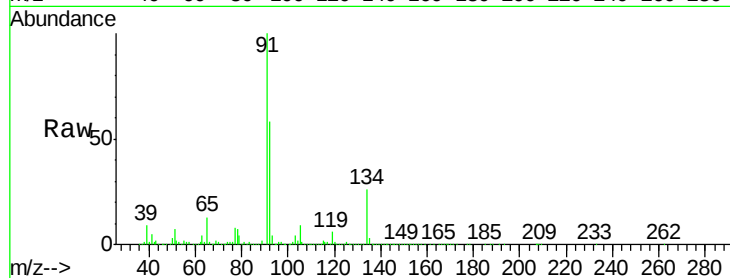
Tot Ion: 91 Resp: 700450

Ion Ratio Lower Upper

91 100

92 58.4 30.3 91.0

134 26.1 12.9 38.7



#90

Hexachloroethane

Concen: 46.023 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF059324.D

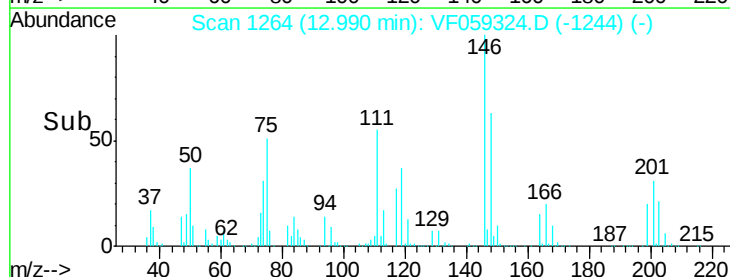
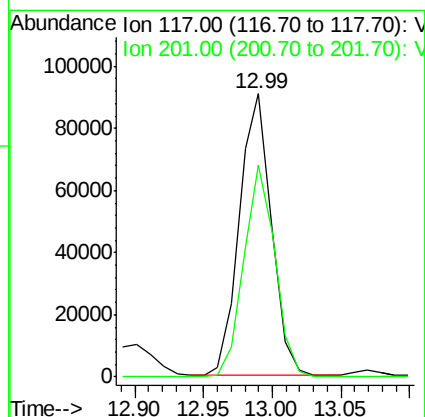
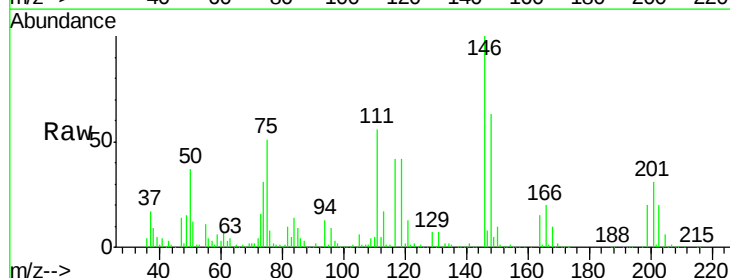
Acq: 26 Jun 2018 18:37

Tgt Ion: 117 Resp: 146592

Ion Ratio Lower Upper

117 100

201 74.6 39.5 118.5





#91

1,2-Dichlorobenzene

Concen: 775.295 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

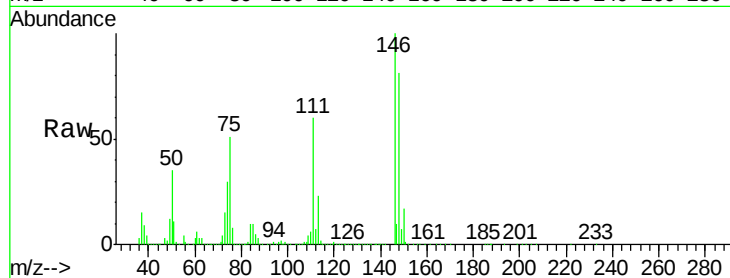
Tot Ion:146 Resp: 5120575

Ion Ratio Lower Upper

146 100

111 59.9 22.7 68.0

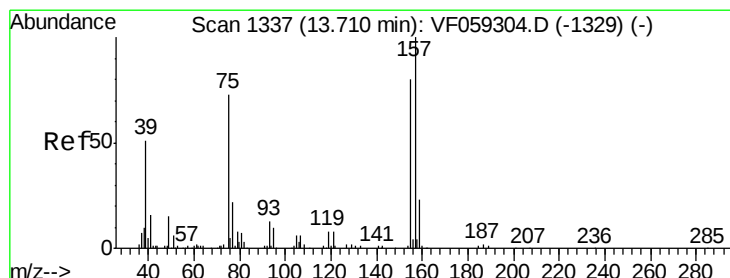
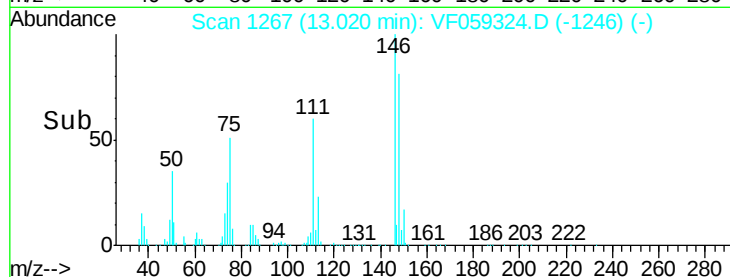
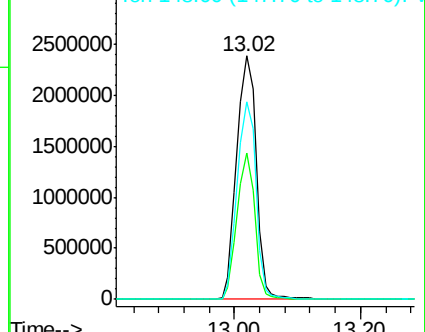
148 81.1 33.5 100.4



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: 57.146 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

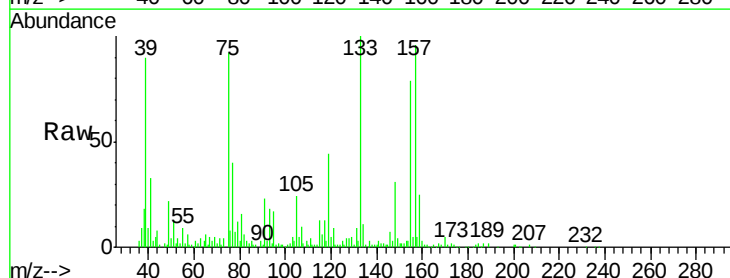
Tgt Ion: 75 Resp: 41953

Ion Ratio Lower Upper

75 100

155 85.7 54.6 163.8

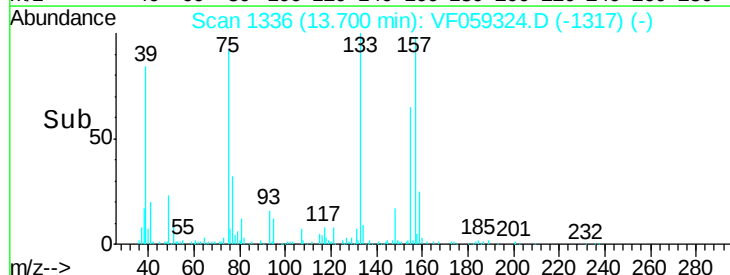
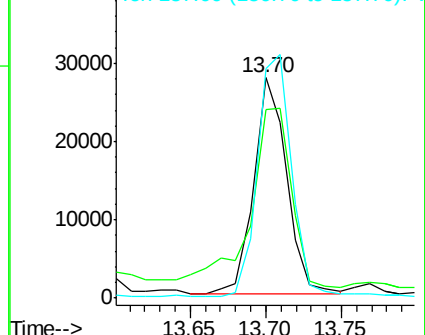
157 104.6 68.7 205.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

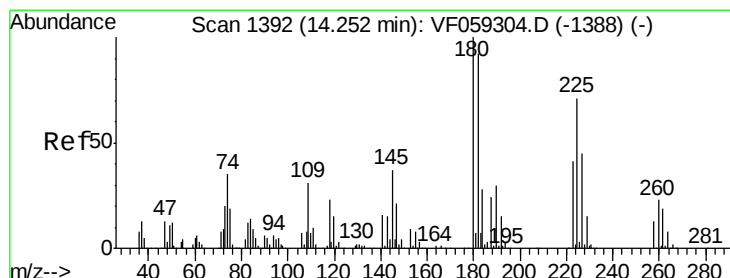
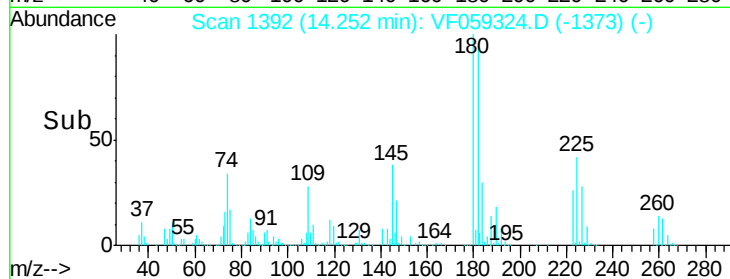
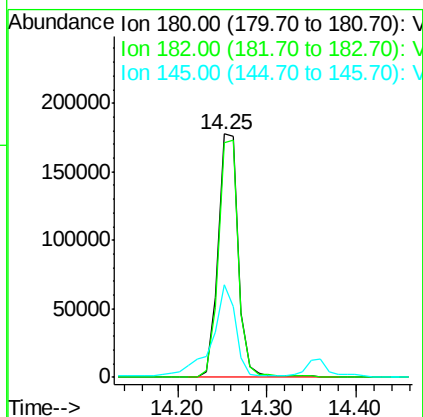
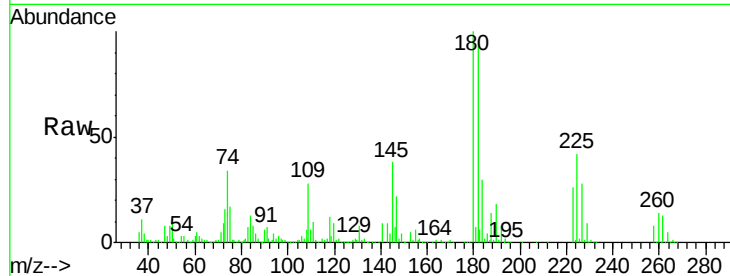




#93
 1,2,4-Trichlorobenzene
 Concen: 58.573 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

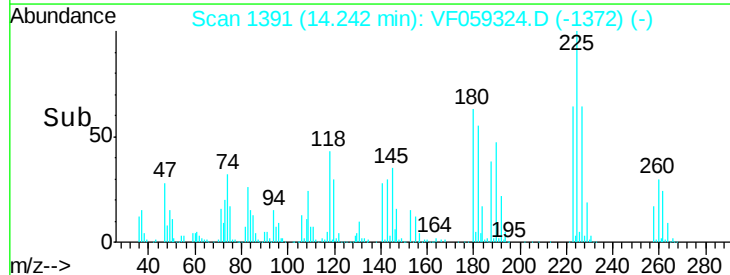
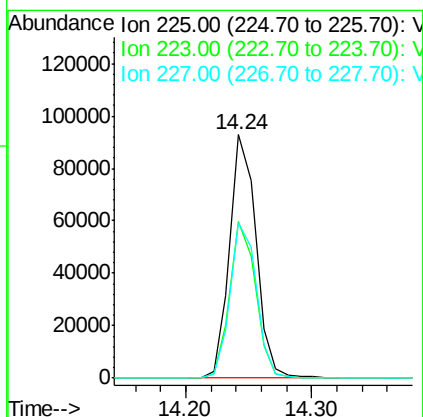
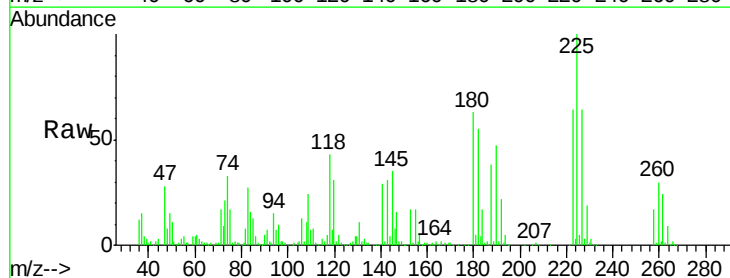
Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB472-13-15-180618

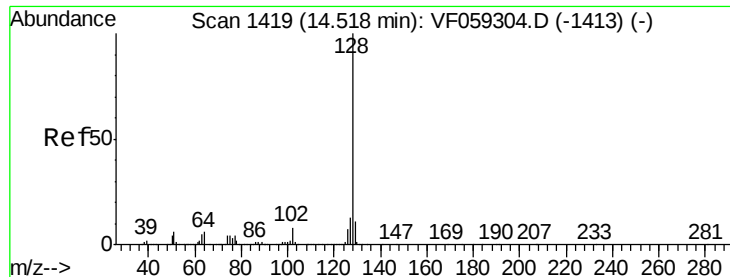
Tot Ion:180 Resp: 286049
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.1 144.3
 145 37.9 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 49.137 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

Tgt Ion:225 Resp: 134037
 Ion Ratio Lower Upper
 225 100
 223 64.3 28.9 86.8
 227 64.0 31.3 93.8





#95

Naphthalene

Concen: 108.795 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

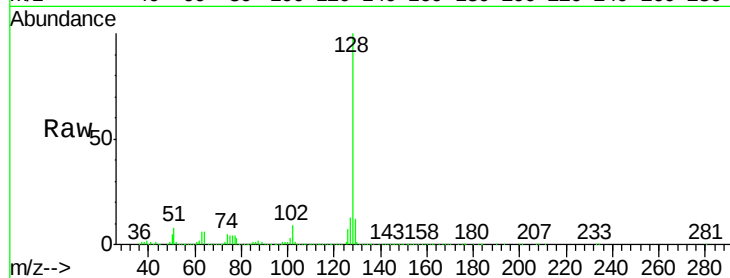
Tot Ion:128 Resp: 1111648

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

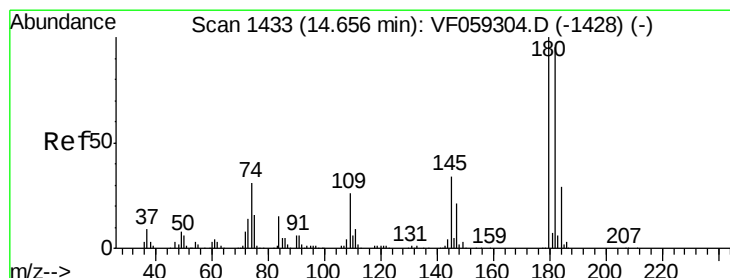
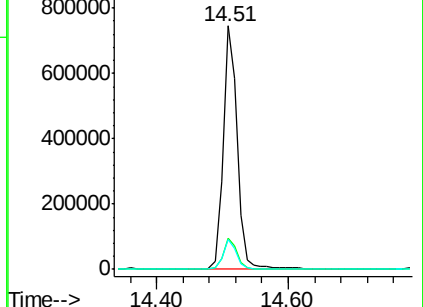
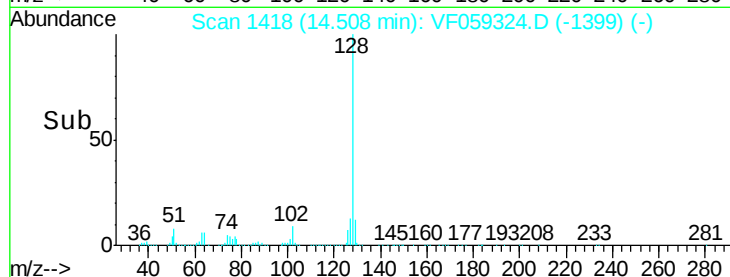
129 12.0 8.8 13.2



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: 56.284 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

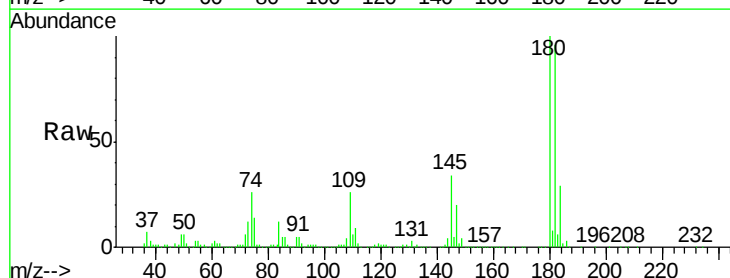
Tgt Ion:180 Resp: 260389

Ion Ratio Lower Upper

180 100

182 96.2 47.5 142.5

145 34.1 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

