

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059232.D
 Acq On : 20 Jun 2018 18:13
 Operator : VA/AP
 Sample : VF0620SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 21 06:37:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	244539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	379119	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	384907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	241612	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	178154	60.07	ug/l	0.00
Spiked Amount			Recovery	=	120.14%	
35) Dibromofluoromethane	4.28	113	153105	57.55	ug/l	-0.01
Spiked Amount			Recovery	=	115.10%	
50) Toluene-d8	7.70	98	393993	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.51	95	218596	54.53	ug/l	0.00
Spiked Amount			Recovery	=	109.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	57455	20.759	ug/l	86
3) Chloromethane	1.09	50	33992	15.855	ug/l	93
4) Vinyl Chloride	1.15	62	34925	18.056	ug/l	97
5) Bromomethane	1.33	94	20618	18.294	ug/l	86
6) Chloroethane	1.42	64	16817	20.955	ug/l	89
7) Trichlorofluoromethane	1.48	101	22916	7.622	ug/l	93
8) Diethyl Ether	1.70	74	16018	21.176	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	36336	18.963	ug/l	89
10) Methyl Iodide	1.97	142	68124	20.319	ug/l	93
11) Tert butyl alcohol	2.69	59	20641	108.622	ug/l #	87
12) 1,1-Dichloroethene	1.86	96	33071	20.524	ug/l	95
13) Acrolein	2.09	56	10401	63.238	ug/l	96
14) Allyl chloride	2.18	41	64127	20.277	ug/l	94
15) Acrylonitrile	3.09	53	42390	112.320	ug/l	98
16) Acetone	2.34	43	82567	116.603	ug/l	94
17) Carbon Disulfide	1.87	76	74369	16.439	ug/l	97
18) Methyl Acetate	2.45	43	28517	23.427	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	115987	23.188	ug/l	98
20) Methylene Chloride	2.27	84	17459	10.297	ug/l	88
21) trans-1,2-Dichloroethene	2.41	96	35993	20.368	ug/l	90
22) Diisopropyl ether	2.92	45	135542	21.802	ug/l	99
23) Vinyl Acetate	3.34	43	445445	108.672	ug/l	99
24) 1,1-Dichloroethane	2.99	63	85974	22.811	ug/l	98
25) 2-Butanone	4.51	43	108018	98.395	ug/l	100
26) 2,2-Dichloropropane	3.76	77	62164	22.735	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	54885	20.180	ug/l	92
28) Bromochloromethane	3.89	49	39458	23.260	ug/l #	99
29) Tetrahydrofuran	4.25	42	50720	104.854	ug/l	95
30) Chloroform	4.04	83	121341	22.505	ug/l	88
31) Cyclohexane	3.87	56	61944	18.814	ug/l	90
32) 1,1,1-Trichloroethane	4.27	97	89998	22.359	ug/l	93
36) 1,1-Dichloropropene	4.45	75	76441	20.802	ug/l	94
37) Ethyl Acetate	4.29	43	46660	20.550	ug/l	96
38) Carbon Tetrachloride	4.16	117	107243	26.928	ug/l	98

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 MSVOA_F
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Quant Time: Jun 21 06:37:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	69851	18.648	ug/l	94
40) Benzene	4.80	78	172940	20.275	ug/l	98
41) Methacrylonitrile	4.91	41	21830	19.569	ug/l #	84
42) 1,2-Dichloroethane	5.11	62	94247	24.637	ug/l	97
43) Isopropyl Acetate	7.11	43	58970	19.392	ug/l #	93
44) Trichloroethene	5.67	130	61198	22.963	ug/l	100
45) 1,2-Dichloropropane	6.40	63	49636	20.182	ug/l	90
46) Dibromomethane	6.25	93	41938	22.664	ug/l	91
47) Bromodichloromethane	6.55	83	100903	23.970	ug/l	97
48) Methyl methacrylate	6.87	41	36824	19.644	ug/l	98
49) 1,4-Dioxane	6.86	88	5502	384.986	ug/l #	82
51) 4-Methyl-2-Pentanone	8.40	43	227752	109.274	ug/l	97
52) Toluene	7.77	92	130146	21.184	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	92736	22.747	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	96366	20.577	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	48776	21.909	ug/l	96
56) Ethyl methacrylate	8.76	69	58183	20.734	ug/l	96
57) 1,3-Dichloropropane	8.99	76	86088	22.605	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	25663	127.896	ug/l	100
59) 2-Hexanone	9.62	43	181789	110.268	ug/l	93
60) Dibromochloromethane	8.86	129	73174	22.873	ug/l	96
61) 1,2-Dibromoethane	9.13	107	57554	22.249	ug/l	99
64) Tetrachloroethene	8.30	164	59149	20.952	ug/l	94
65) Chlorobenzene	9.94	112	168224	22.071	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	68273	22.518	ug/l	97
67) Ethyl Benzene	10.04	91	279030	21.069	ug/l	100
68) m/p-Xylenes	10.26	106	203697	41.081	ug/l	90
69) o-Xylene	10.83	106	113159	21.116	ug/l	87
70) Styrene	10.90	104	176214	21.733	ug/l	98
71) Bromoform	10.89	173	47323	22.983	ug/l #	94
73) Isopropylbenzene	11.22	105	337832	20.196	ug/l	98
74) N-amyl acetate	11.46	43	113423	18.982	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	76449	19.277	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	58087	19.832	ug/l	92
77) Bromobenzene	11.60	156	86541	20.556	ug/l	84
78) n-propylbenzene	11.68	91	393931	19.896	ug/l	96
79) 2-Chlorotoluene	11.81	91	241199	20.621	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	292494	21.126	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	36499	19.220	ug/l	93
82) 4-Chlorotoluene	11.99	91	259792	20.862	ug/l	99
83) tert-Butylbenzene	12.22	119	289052	21.026	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	301551	21.021	ug/l	92
85) sec-Butylbenzene	12.38	105	418646	22.412	ug/l	99
86) p-Isopropyltoluene	12.54	119	335019	21.836	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	166421	21.411	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	157263	20.996	ug/l	98
89) n-Butylbenzene	12.92	91	345811	19.783	ug/l	95
90) Hexachloroethane	13.00	117	80058	21.189	ug/l	69
91) 1,2-Dichlorobenzene	13.02	146	167539	22.375	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	15464	19.879	ug/l	75

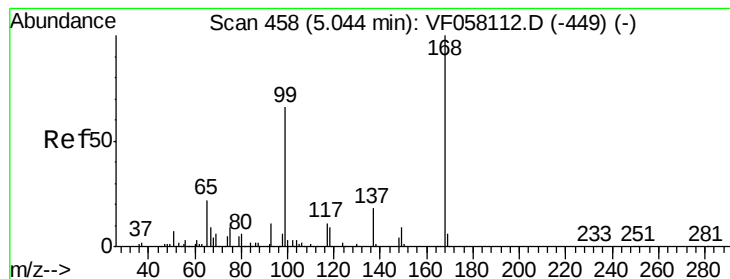
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
Data File : VF059232.D
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	117217	22.381	ug/l	94
94) Hexachlorobutadiene	14.26	225	69599	22.965	ug/l	96
95) Naphthalene	14.52	128	230173	20.576	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	106243	21.952	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

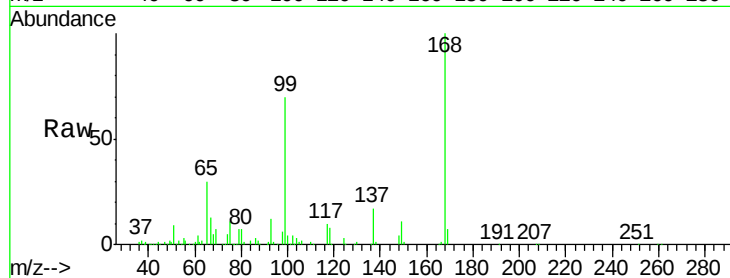
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 244539

Ion Ratio Lower Upper

168 100

99 70.0 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

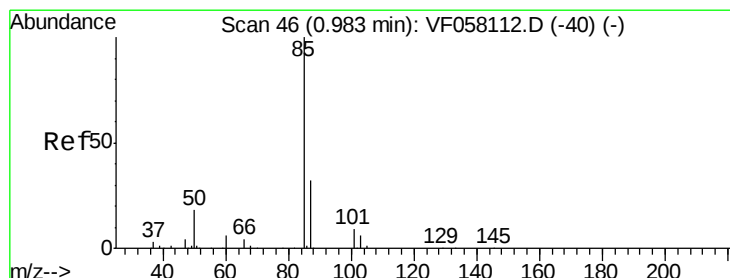
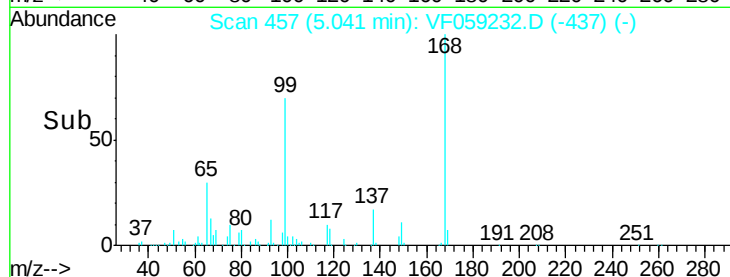
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.759 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059232.D

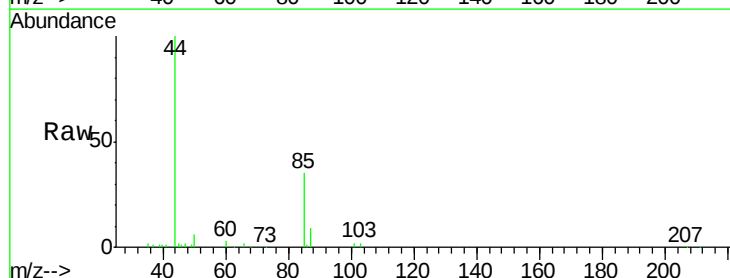
Acq: 20 Jun 2018 18:13

Tgt Ion: 85 Resp: 57455

Ion Ratio Lower Upper

85 100

87 24.6 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

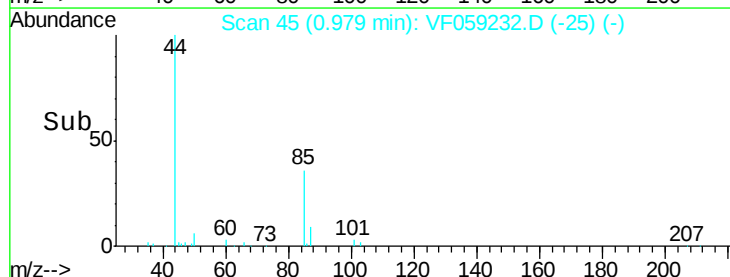
15000

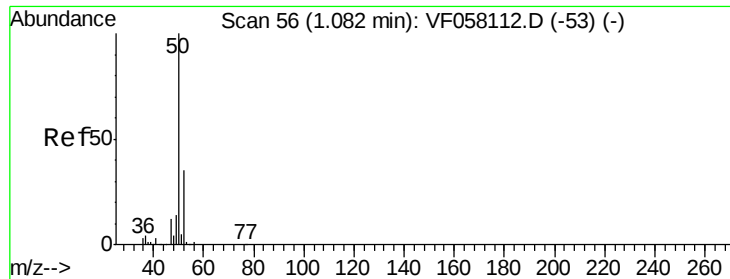
10000

5000

0

Time-->





#3

Chloromethane

Concen: 15.855 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

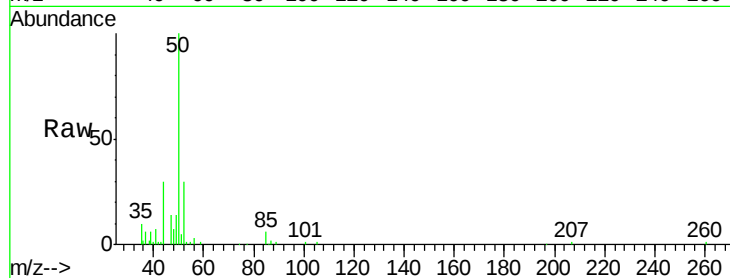
ClientSampled :

Tot Ion: 50 Resp: 33992

Ion Ratio Lower Upper

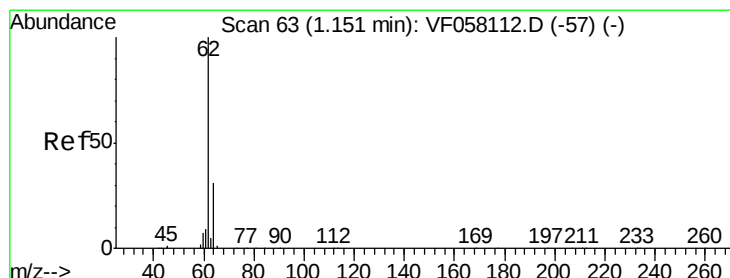
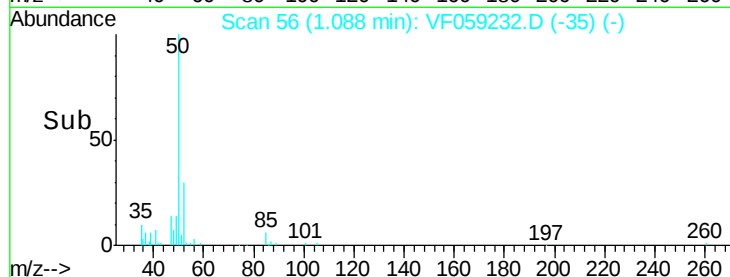
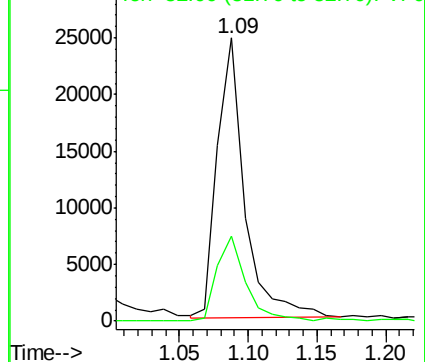
50 100

52 30.2 27.3 40.9



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 18.056 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059232.D

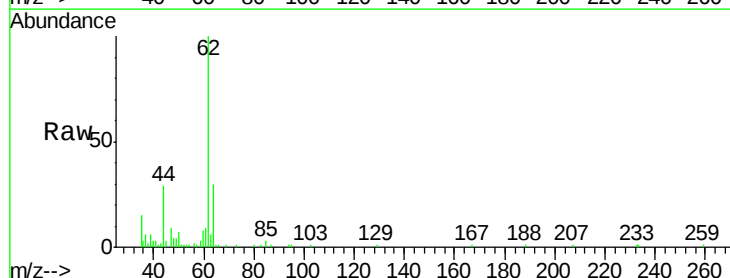
Acq: 20 Jun 2018 18:13

Tgt Ion: 62 Resp: 34925

Ion Ratio Lower Upper

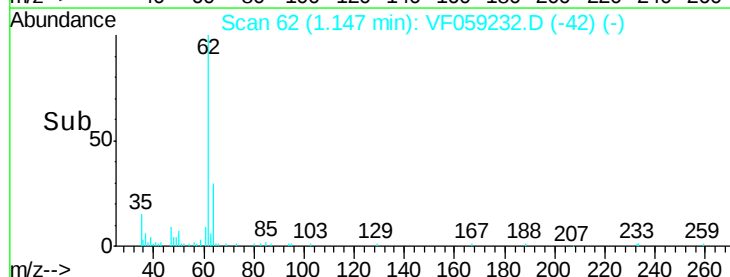
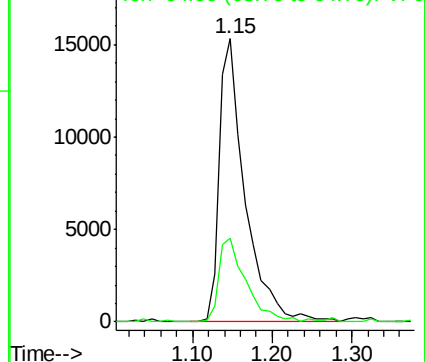
62 100

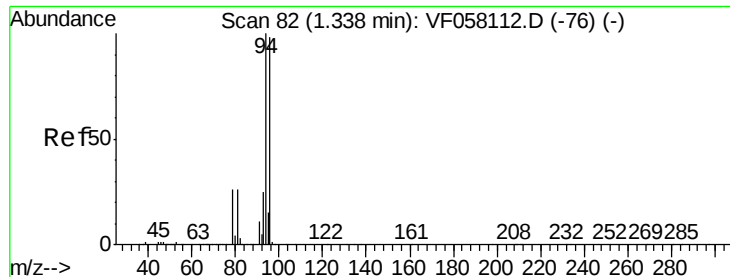
64 29.6 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 18.294 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

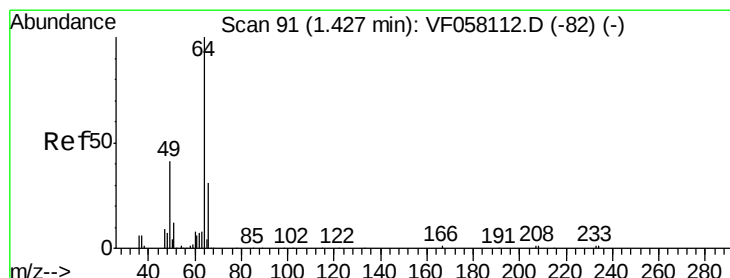
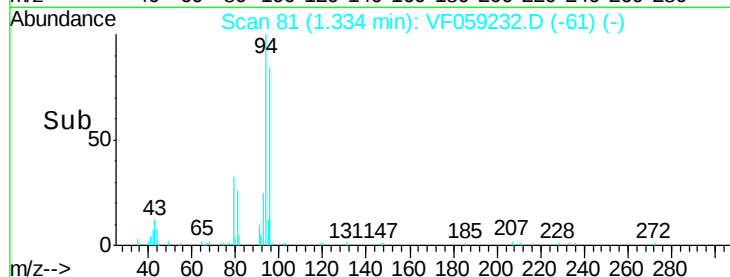
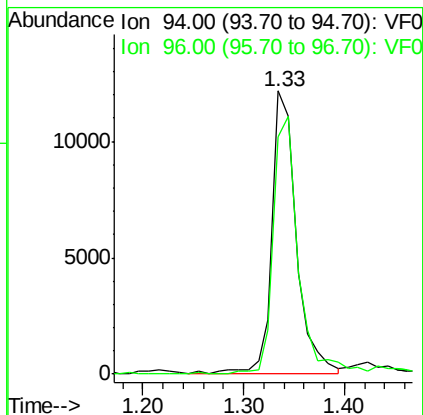
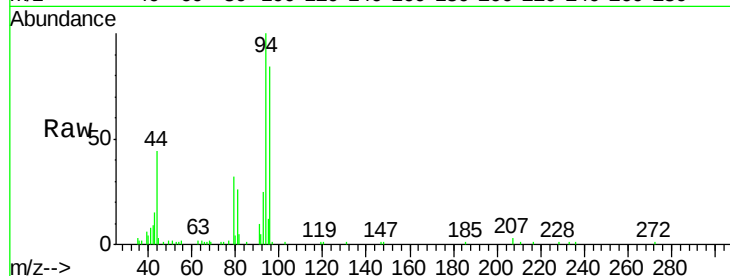
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 20618

Ion Ratio Lower Upper

94 100

96 84.1 78.6 117.8



#6

Chloroethane

Concen: 20.955 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VF059232.D

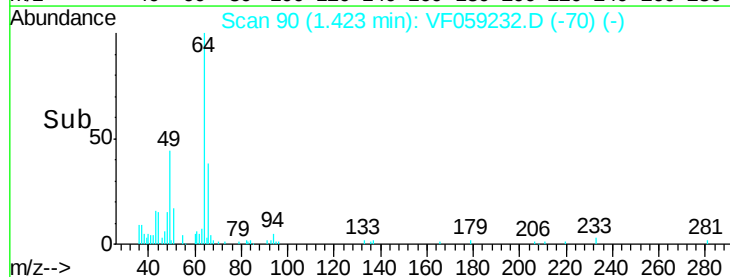
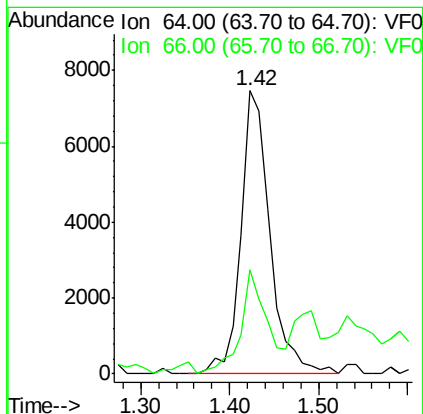
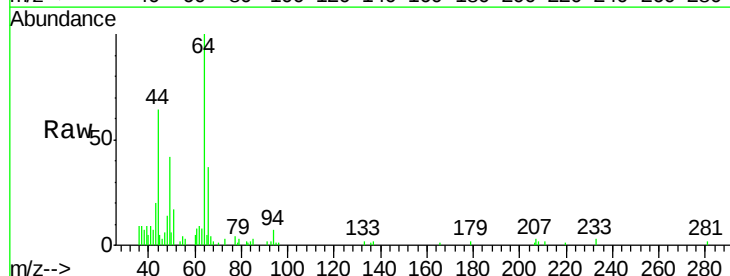
Acq: 20 Jun 2018 18:13

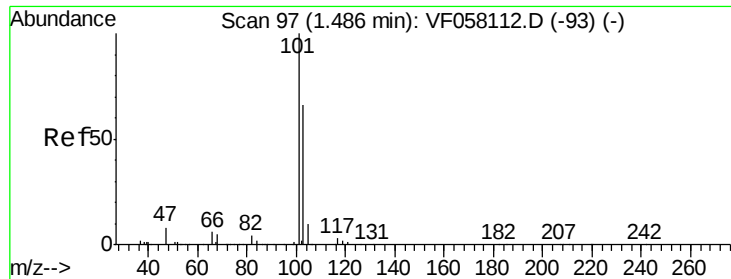
Tgt Ion: 64 Resp: 16817

Ion Ratio Lower Upper

64 100

66 37.0 24.9 37.3





#7

Trichlorofluoromethane

Concen: 7.622 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

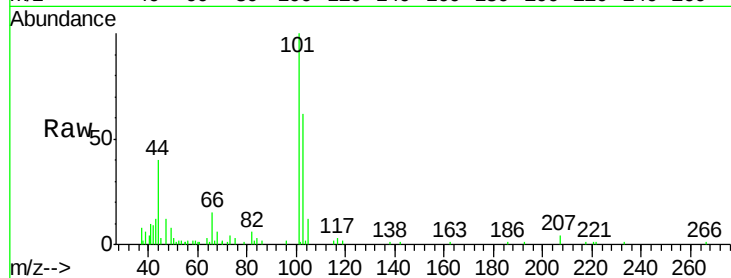
ClientSampleId :

Tot Ion:101 Resp: 22916

Ion Ratio Lower Upper

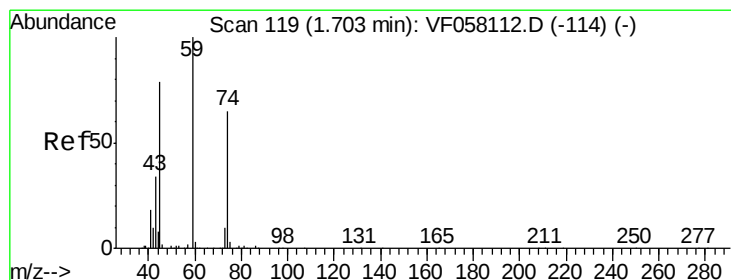
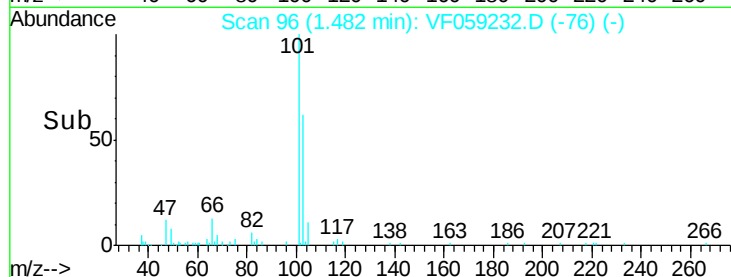
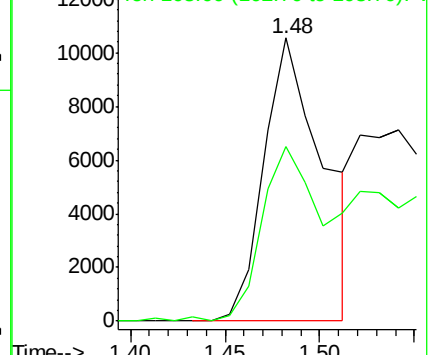
101 100

103 61.5 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.176 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059232.D

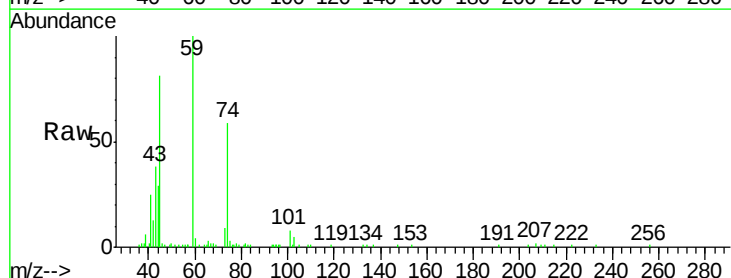
Acq: 20 Jun 2018 18:13

Tgt Ion: 74 Resp: 16018

Ion Ratio Lower Upper

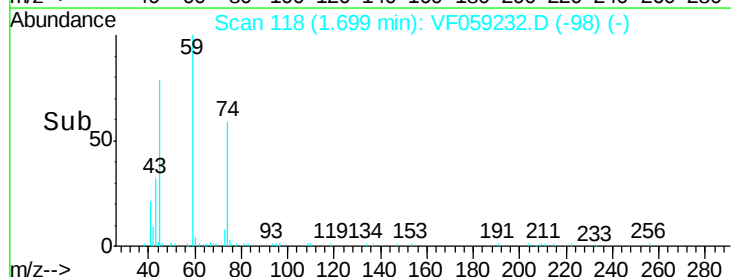
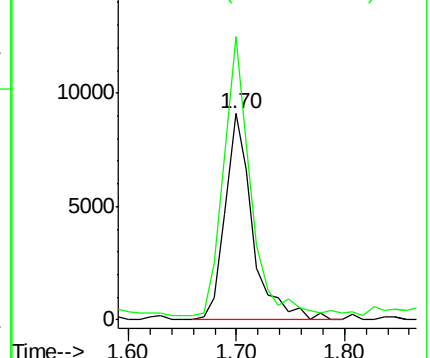
74 100

45 137.1 61.5 184.4



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: 18.963 ug/l

RT: 1.90 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

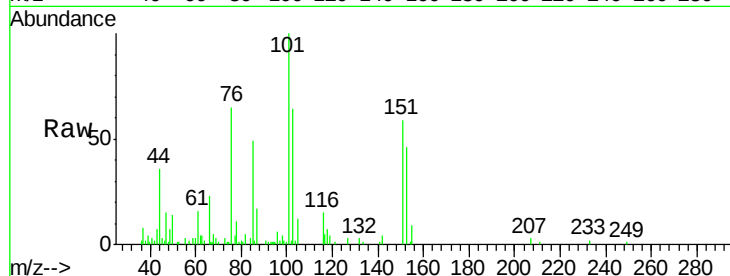
Tot Ion:101 Resp: 36336

Ion Ratio Lower Upper

101 100

85 48.7 42.2 63.4

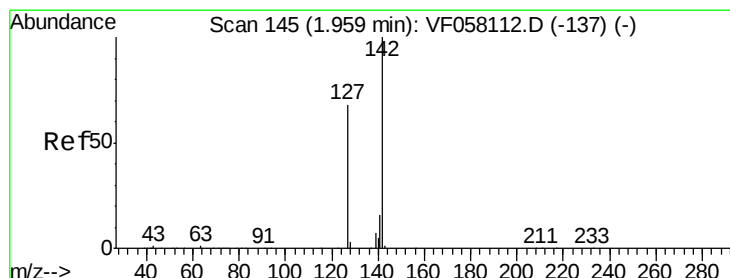
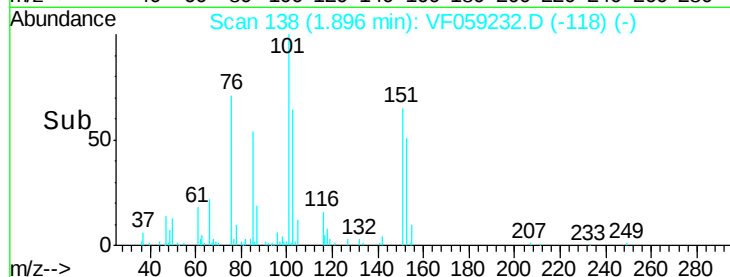
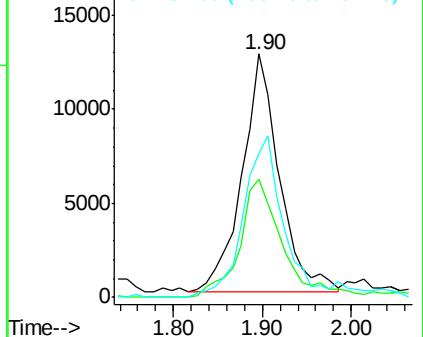
151 59.0 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 20.319 ug/l

RT: 1.97 min Scan# 145

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

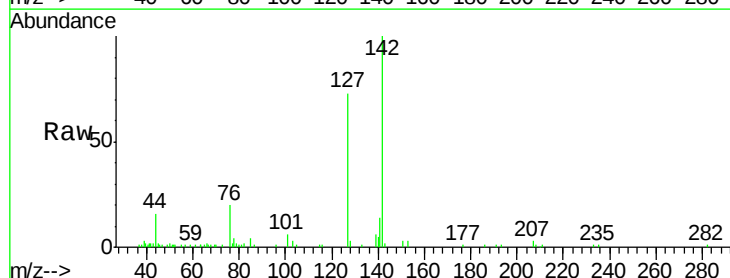
Tgt Ion:142 Resp: 68124

Ion Ratio Lower Upper

142 100

127 73.2 54.1 81.1

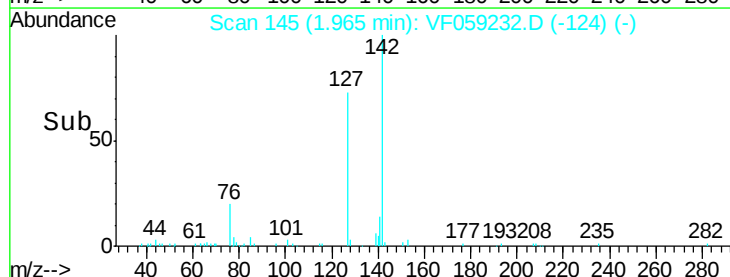
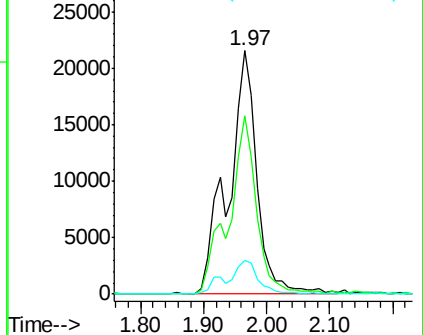
141 14.0 13.0 19.4

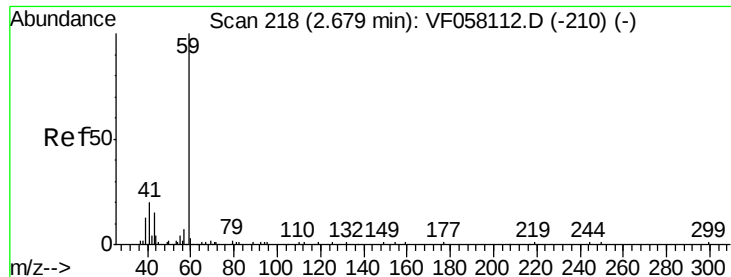


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



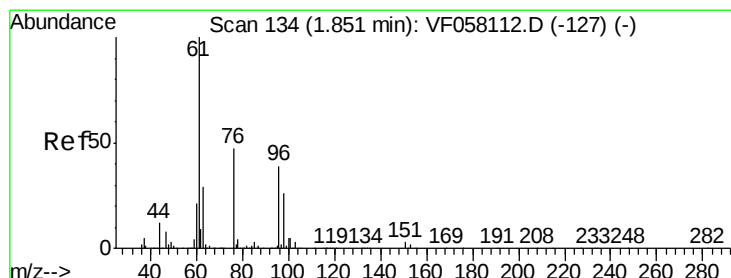
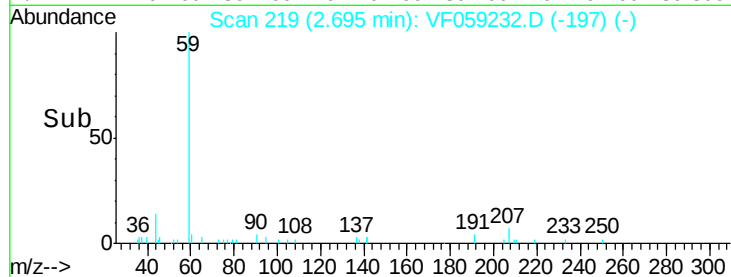
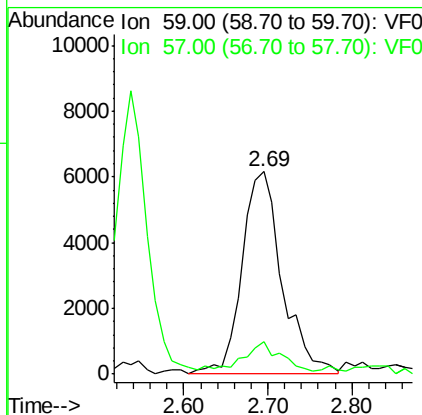
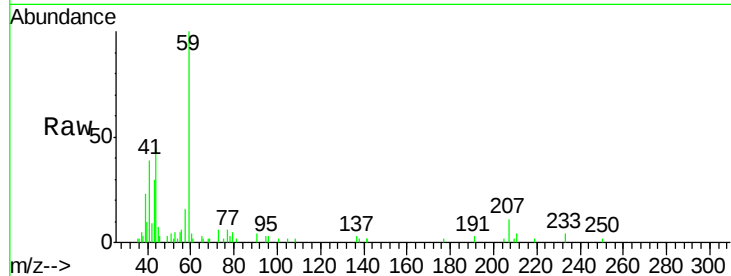


#11

Tert butyl alcohol
 Concen: 108.622 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.02 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Instrument :
 MSVOA_F
 ClientSampleId :

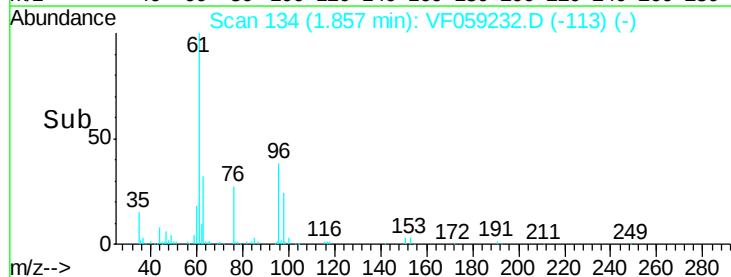
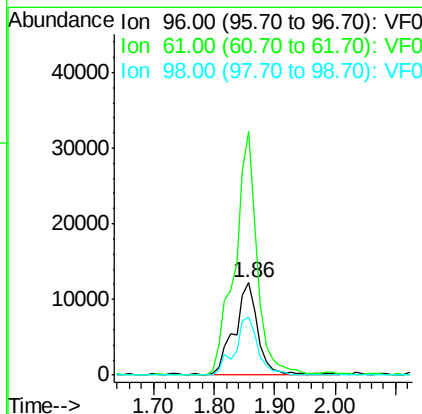
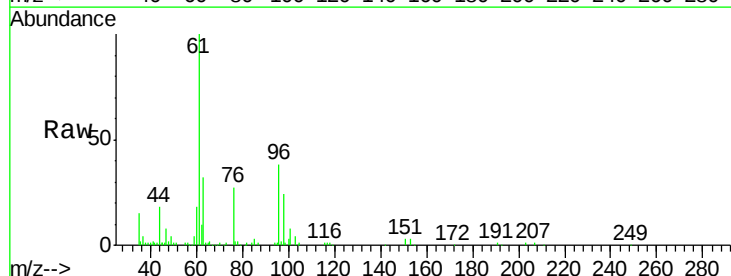
Tot Ion: 59 Resp: 20641
 Ion Ratio Lower Upper
 59 100
 57 16.0 8.7 13.1#

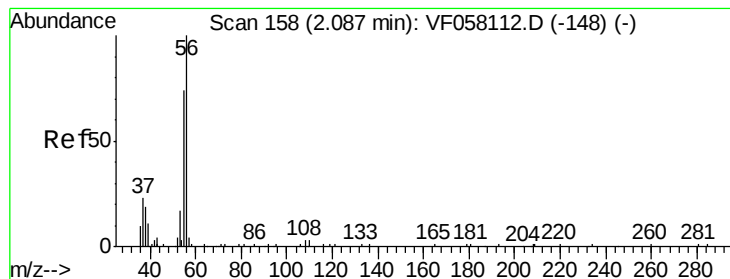


#12

1,1-Dichloroethene
 Concen: 20.524 ug/l
 RT: 1.86 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Tgt Ion: 96 Resp: 33071
 Ion Ratio Lower Upper
 96 100
 61 264.1 203.0 304.4
 98 64.3 52.7 79.1





#13

Acrolein

Concen: 63.238 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

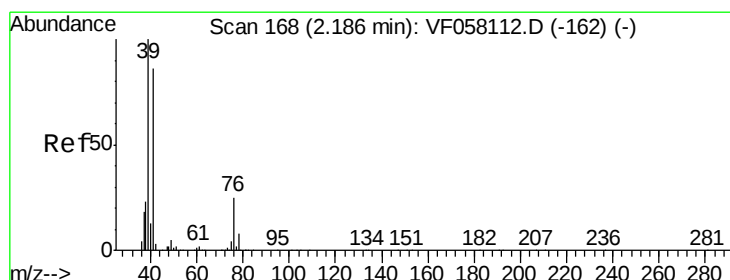
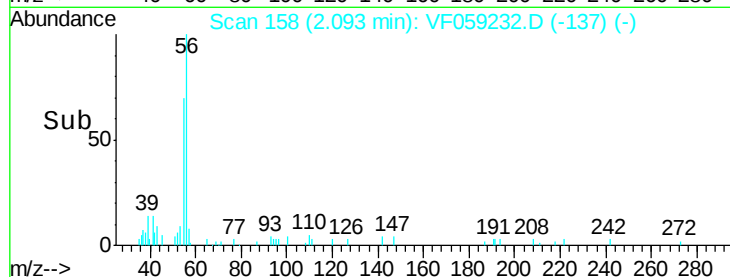
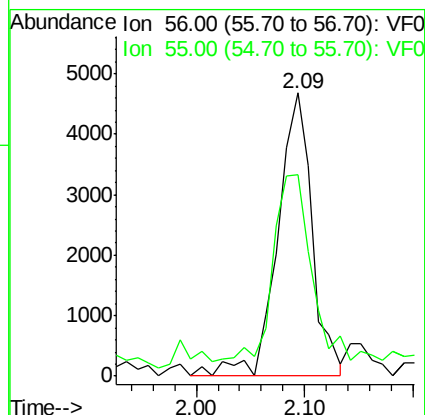
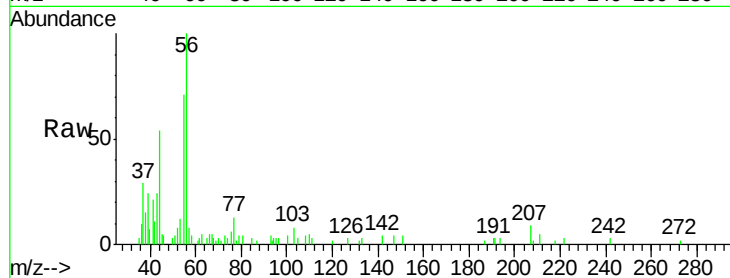
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 10401

Ion Ratio Lower Upper

56 100

55 71.2 60.0 90.0



#14

Allyl chloride

Concen: 20.277 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

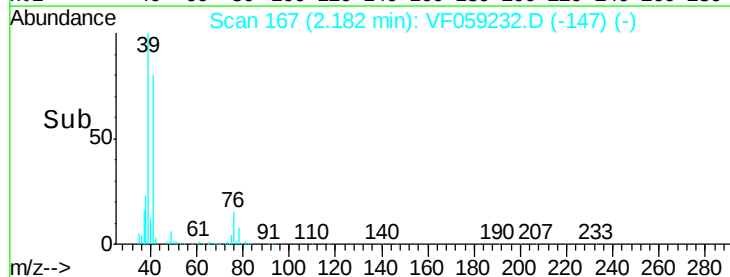
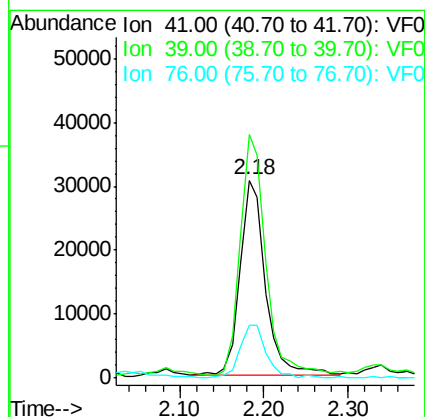
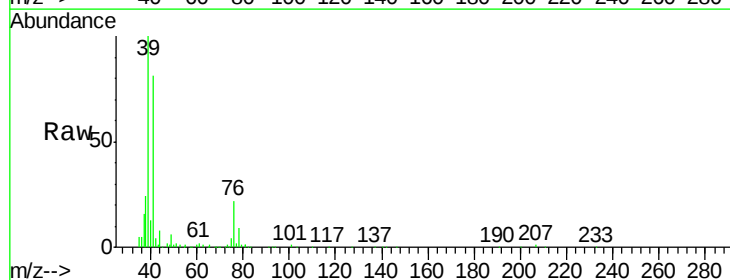
Tgt Ion: 41 Resp: 64127

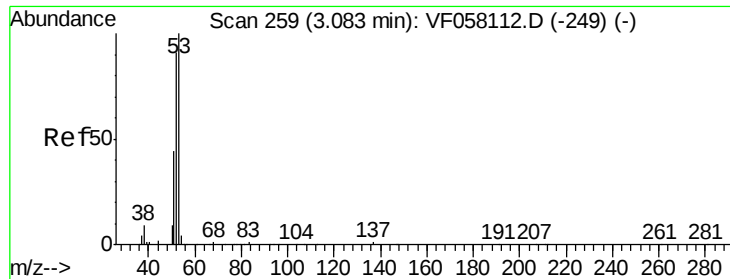
Ion Ratio Lower Upper

41 100

39 123.2 93.5 140.3

76 26.9 23.9 35.9

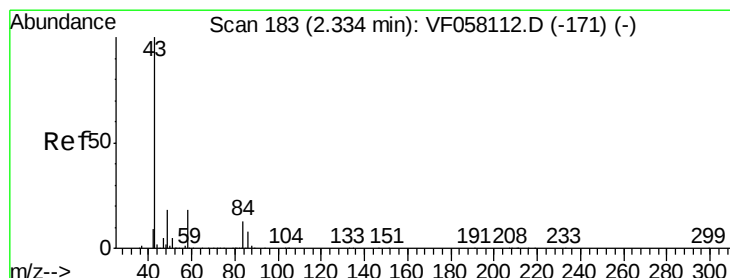
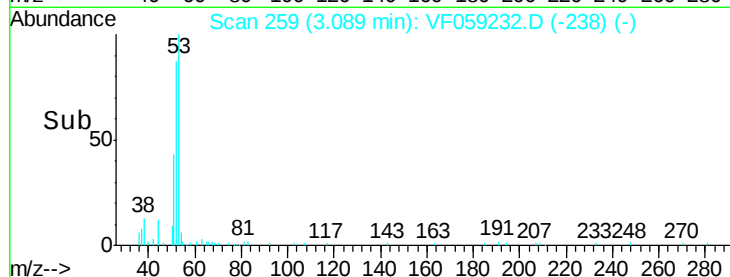
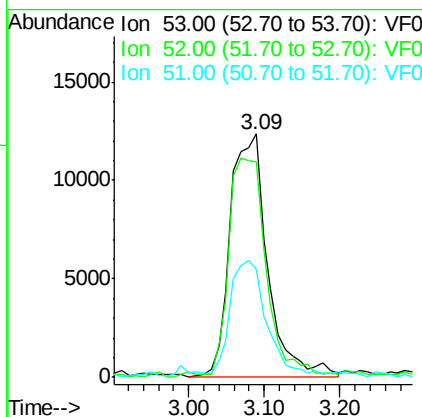
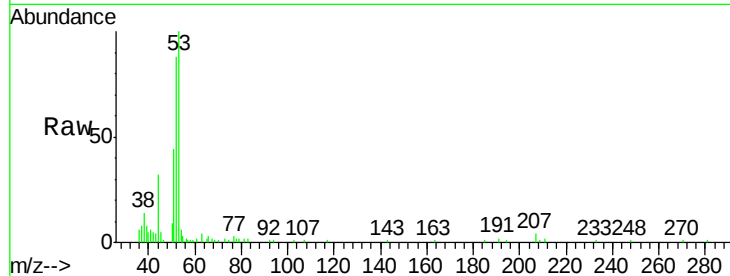




#15
 Acrylonitrile
 Concen: 112.320 ug/l
 RT: 3.09 min Scan# 259
 Delta R.T. 0.01 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

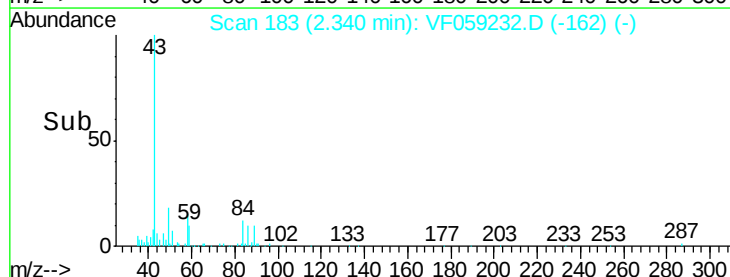
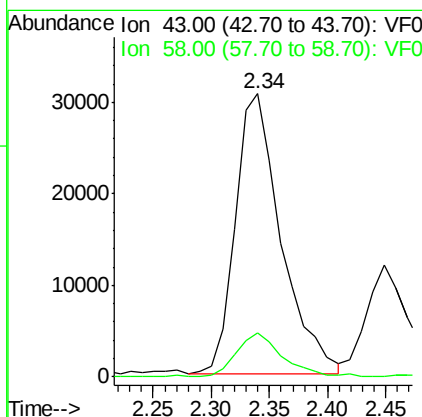
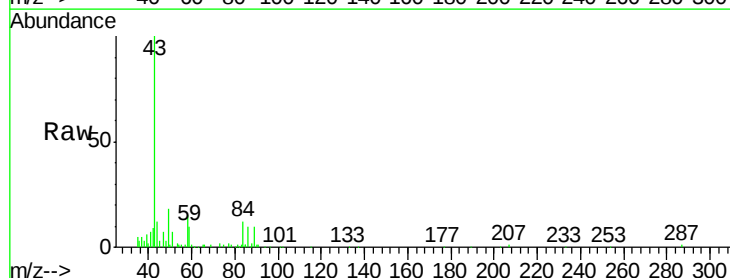
Instrument :
 MSVOA_F
 ClientSampleId :

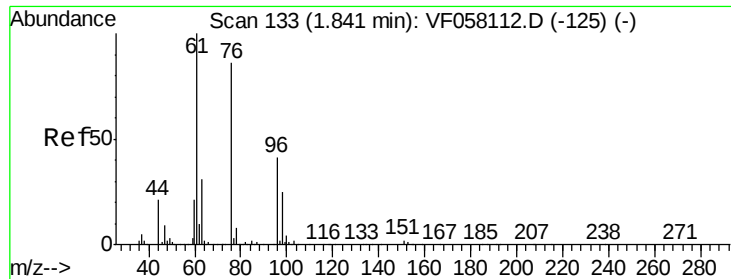
Tot Ion: 53 Resp: 42390
 Ion Ratio Lower Upper
 53 100
 52 88.2 73.2 109.8
 51 44.3 35.6 53.4



#16
 Acetone
 Concen: 116.603 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Tgt Ion: 43 Resp: 82567
 Ion Ratio Lower Upper
 43 100
 58 15.5 14.4 21.6





#17

Carbon Disulfide

Concen: 16.439 ug/l

RT: 1.87 min Scan# 135

Delta R.T. 0.03 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

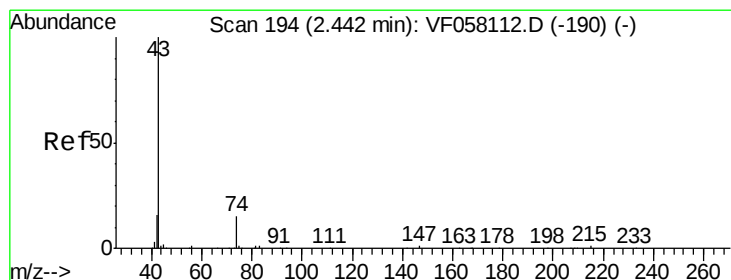
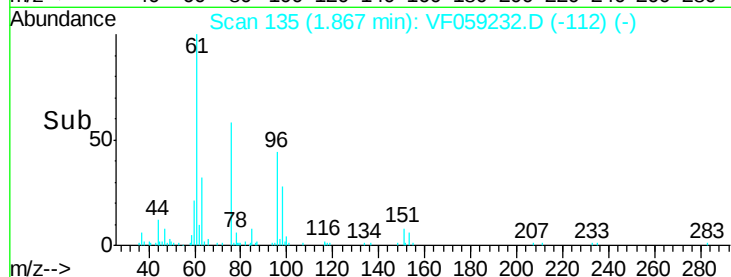
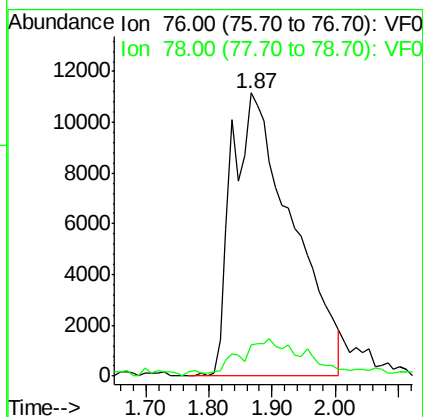
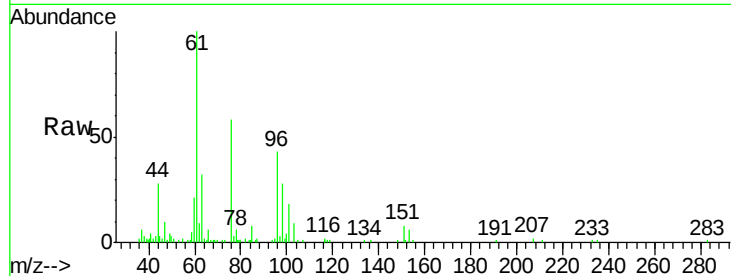
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 74369

Ion Ratio Lower Upper

76 100

78 11.0 7.8 11.8



#18

Methyl Acetate

Concen: 23.427 ug/l

RT: 2.45 min Scan# 194

Delta R.T. 0.01 min

Lab File: VF059232.D

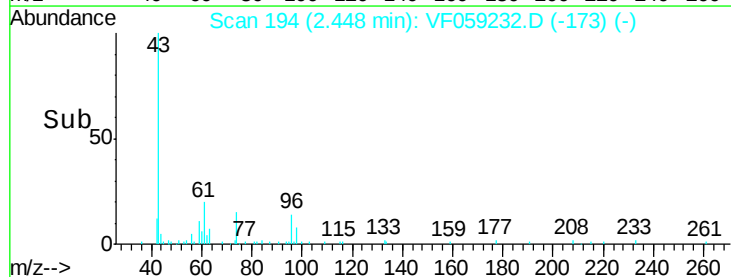
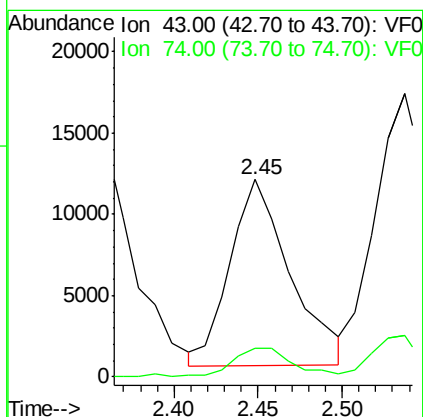
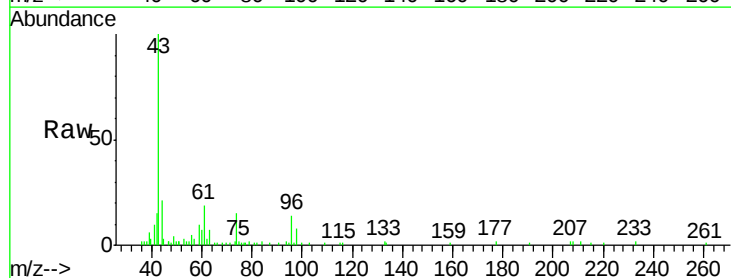
Acq: 20 Jun 2018 18:13

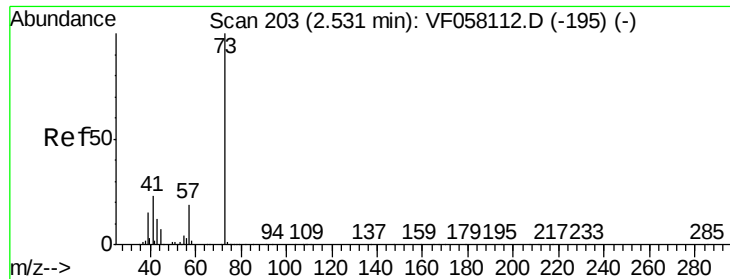
Tgt Ion: 43 Resp: 28517

Ion Ratio Lower Upper

43 100

74 14.8 10.9 16.3



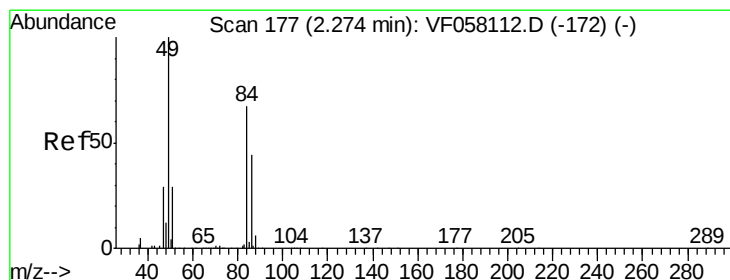
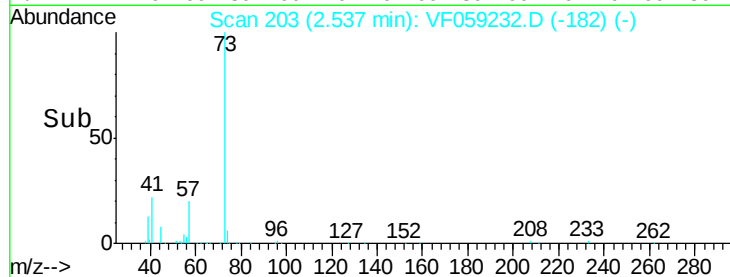
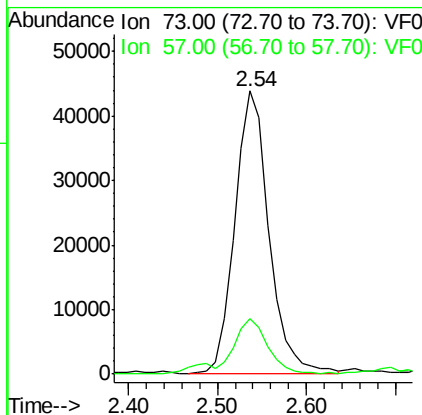
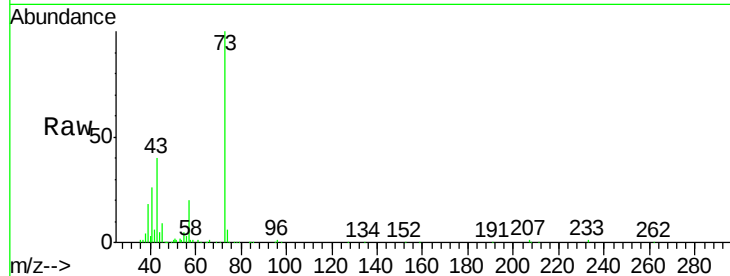


#19

Methyl tert-butyl Ether
 Concen: 23.188 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. 0.01 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Instrument :
 MSVOA_F
 ClientSampleId :

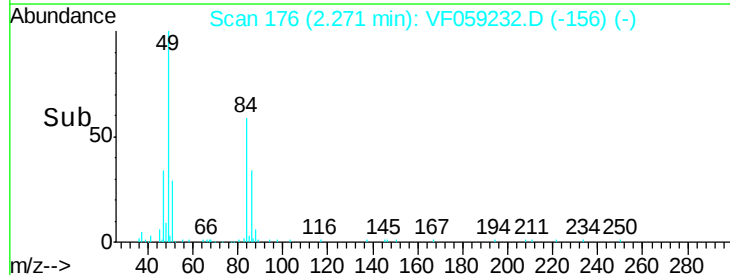
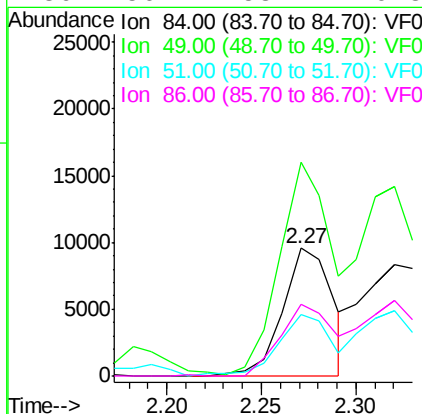
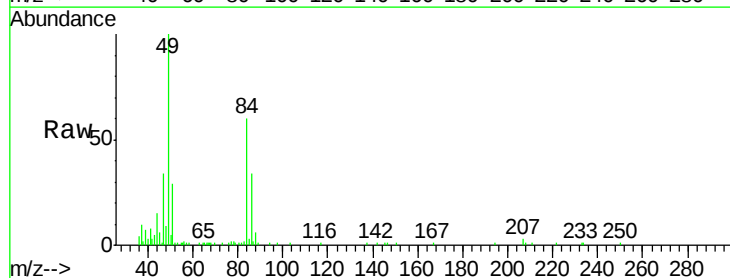
Tot Ion: 73 Resp: 115987
 Ion Ratio Lower Upper
 73 100
 57 19.6 15.0 22.4

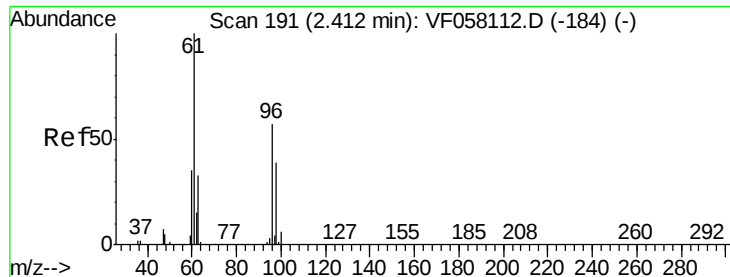


#20

Methylene Chloride
 Concen: 10.297 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Tgt Ion: 84 Resp: 17459
 Ion Ratio Lower Upper
 84 100
 49 167.6 121.0 181.4
 51 48.5 35.8 53.6
 86 56.4 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 20.368 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

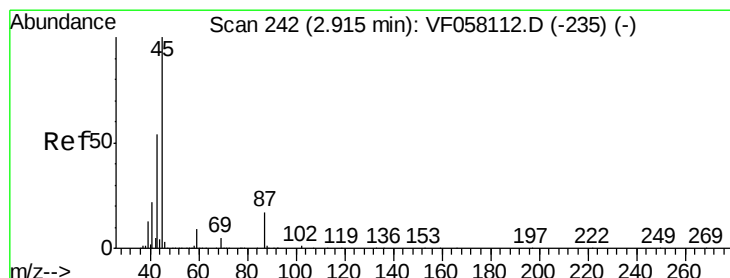
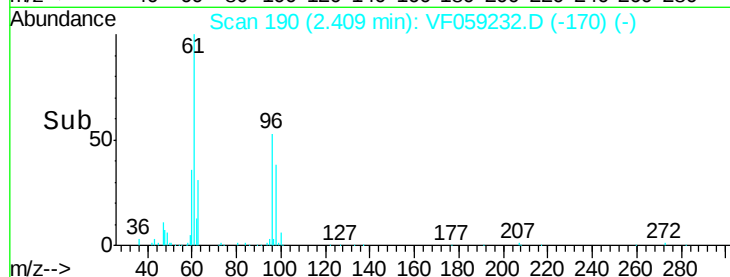
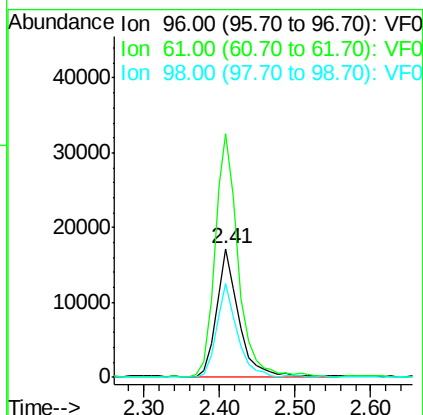
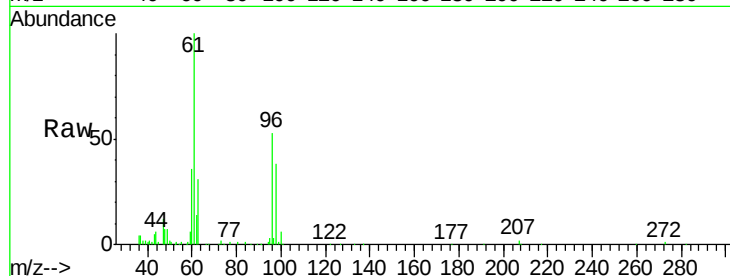
Tot Ion: 96 Resp: 35993

Ion Ratio Lower Upper

96 100

61 189.6 139.4 209.2

98 73.0 54.0 81.0



#22

Diisopropyl ether

Concen: 21.802 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Tgt Ion: 45 Resp: 135542

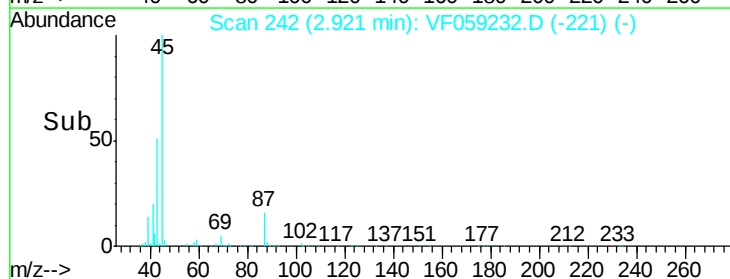
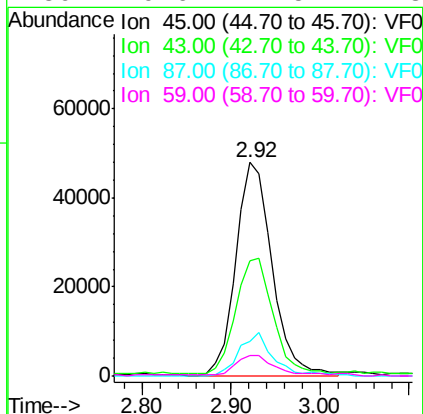
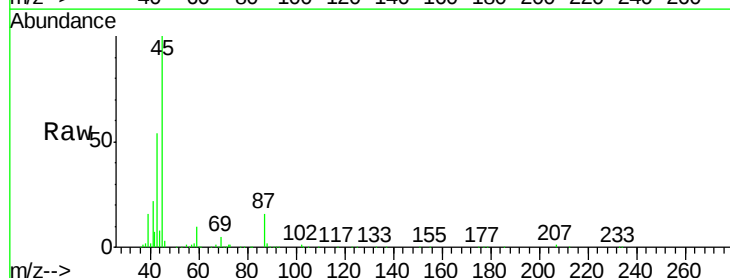
Ion Ratio Lower Upper

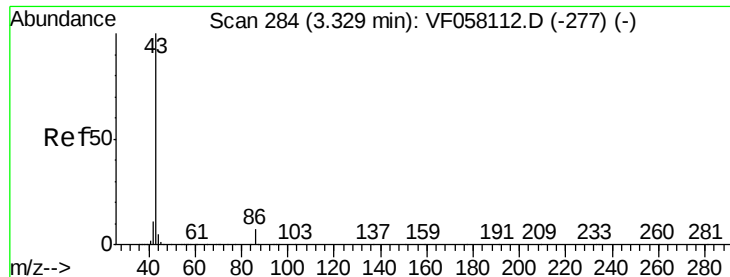
45 100

43 53.8 43.2 64.8

87 16.4 13.8 20.6

59 9.6 7.5 11.3





#23

Vinyl Acetate

Concen: 108.672 ug/l

RT: 3.34 min Scan# 284

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

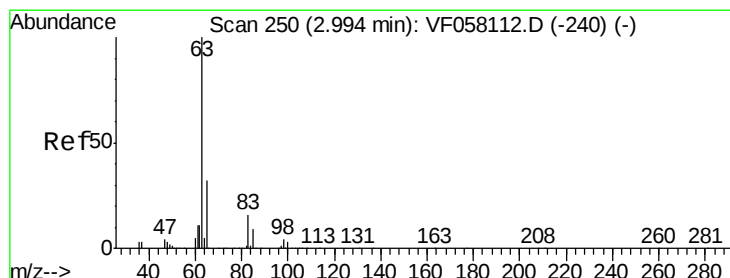
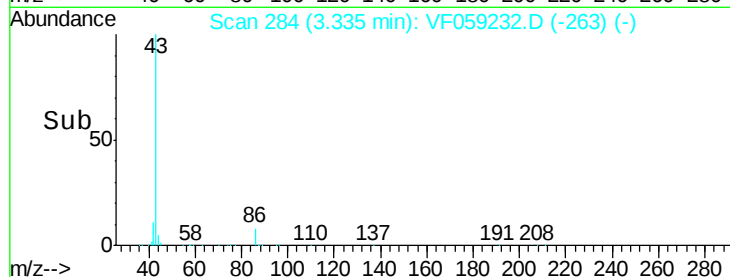
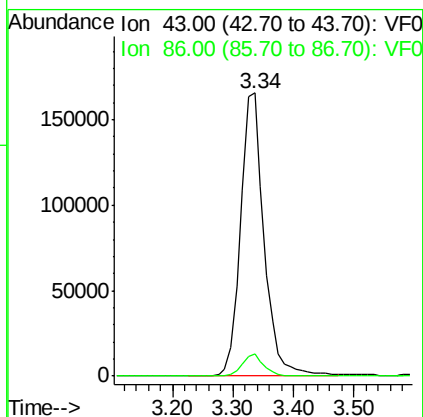
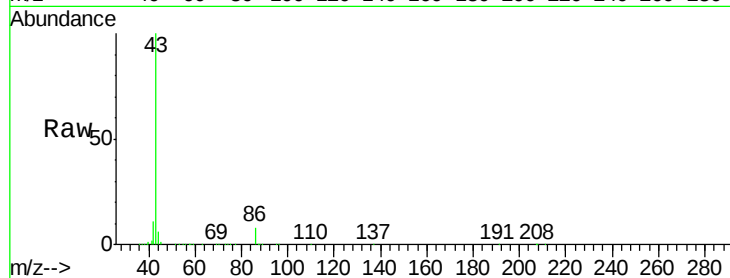
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 445445

Ion Ratio Lower Upper

43 100

86 7.9 6.0 9.0



#24

1,1-Dichloroethane

Concen: 22.811 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

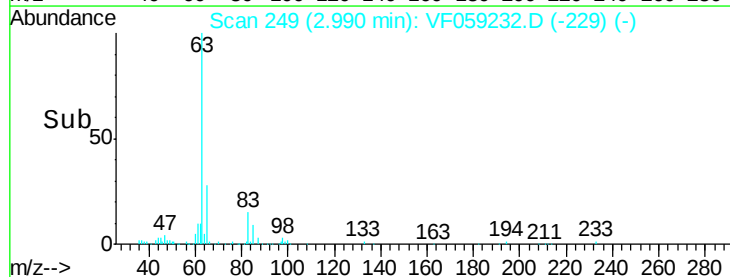
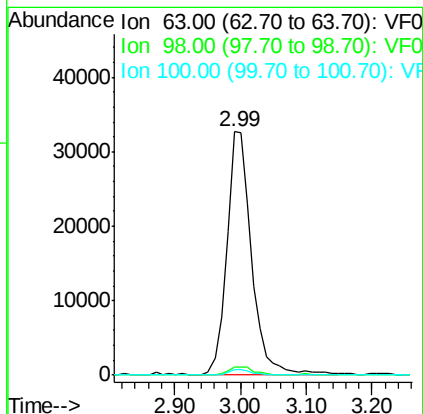
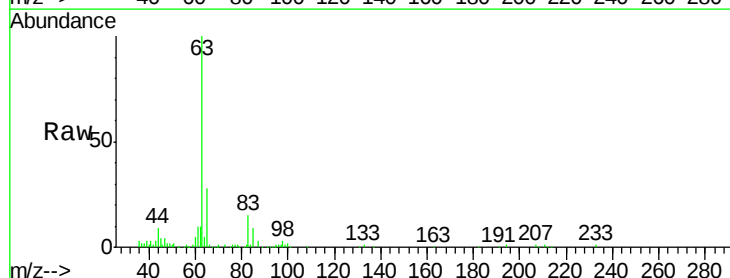
Tgt Ion: 63 Resp: 85974

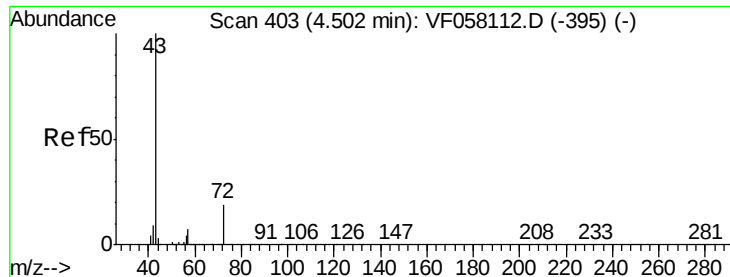
Ion Ratio Lower Upper

63 100

98 3.1 2.0 6.0

100 2.1 1.4 4.0





#25

2-Butanone

Concen: 98.395 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

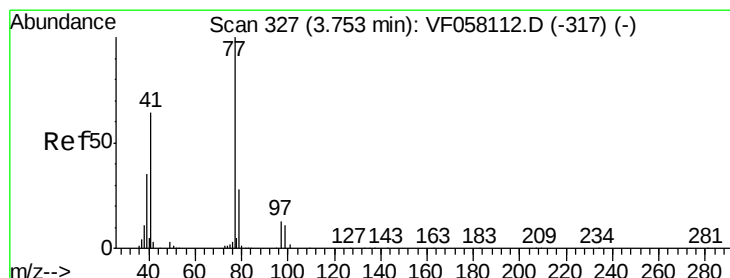
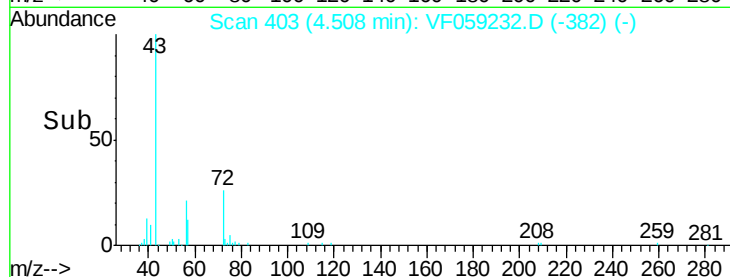
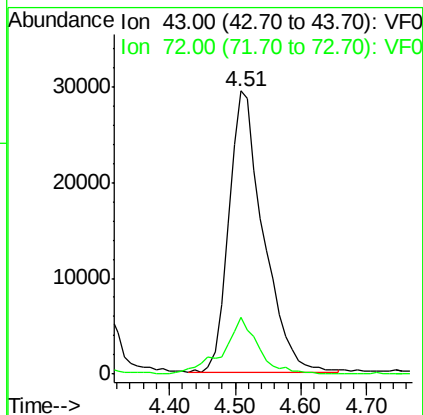
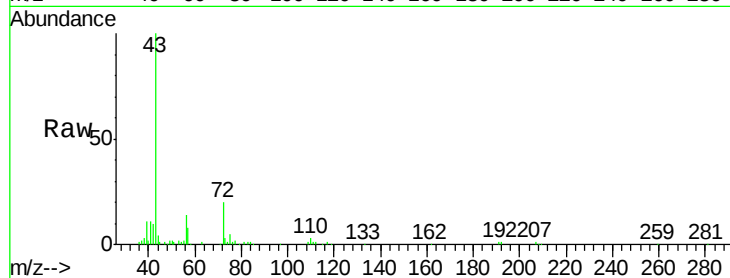
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 108018

Ion Ratio Lower Upper

43 100

72 20.3 16.1 24.1



#26

2,2-Dichloropropane

Concen: 22.735 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF059232.D

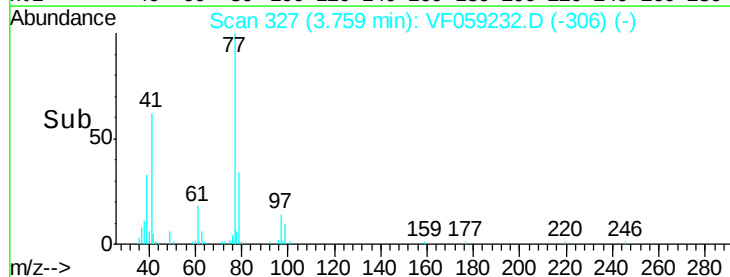
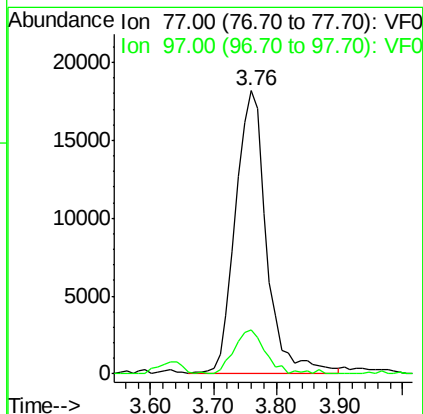
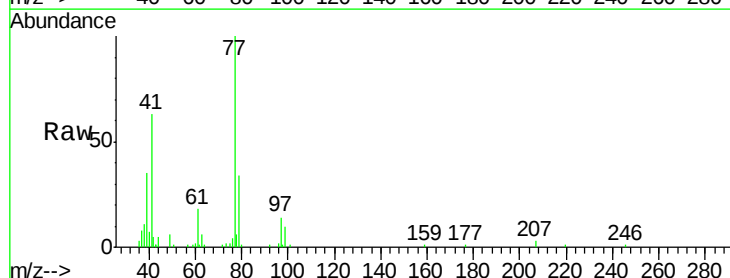
Acq: 20 Jun 2018 18:13

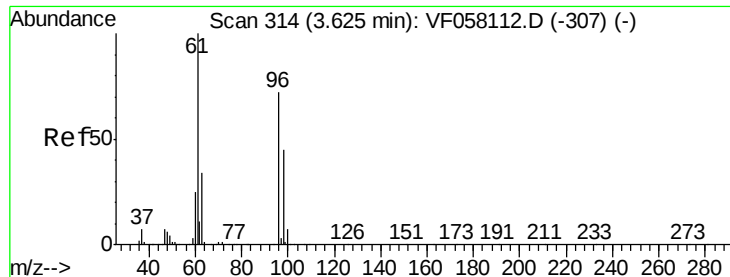
Tgt Ion: 77 Resp: 62164

Ion Ratio Lower Upper

77 100

97 15.6 7.2 21.6



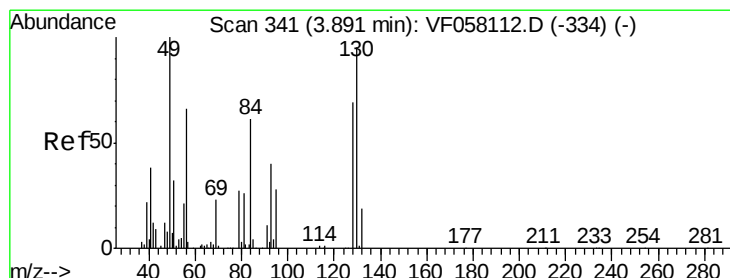
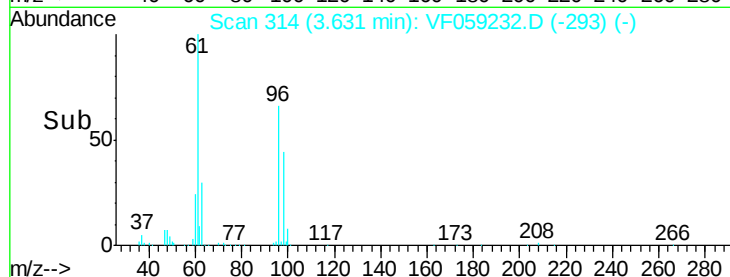
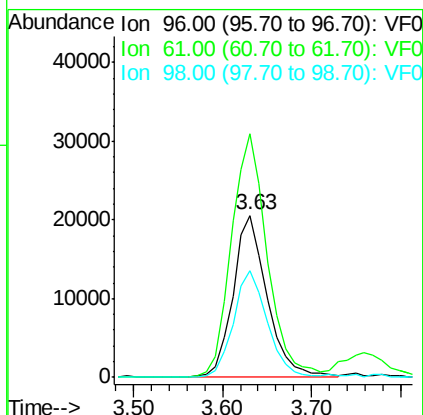
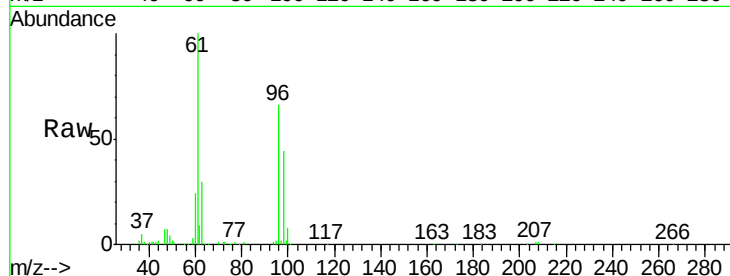


#27

cis-1,2-Dichloroethene
Concen: 20.180 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Instrument :
MSVOA_F
ClientSampleId :

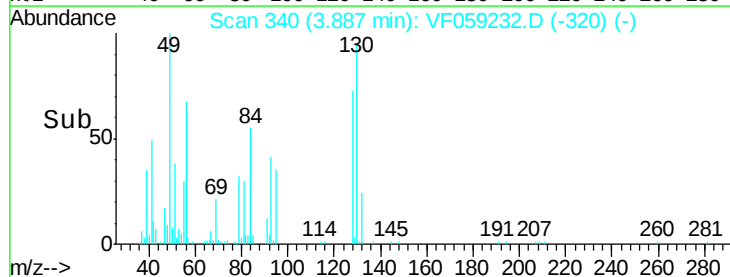
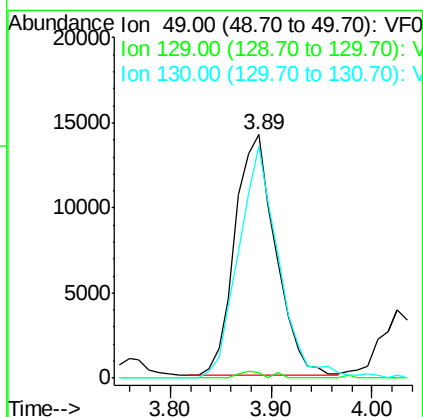
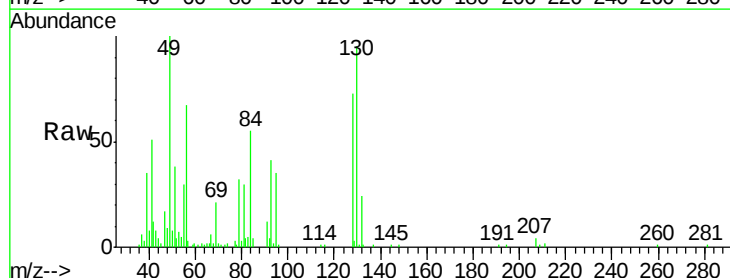
Tot Ion	96	Resp	54885
Ion	Ratio	Lower	Upper
96	100		
61	150.6	0.0	278.6
98	66.4	0.0	125.2

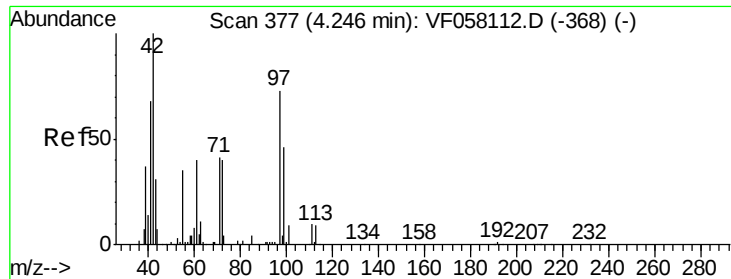


#28

Bromochloromethane
Concen: 23.260 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion	49	Resp	39458
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	0.0#
130	95.5	75.8	113.8

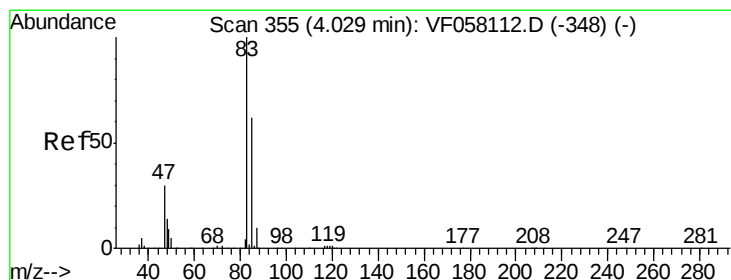
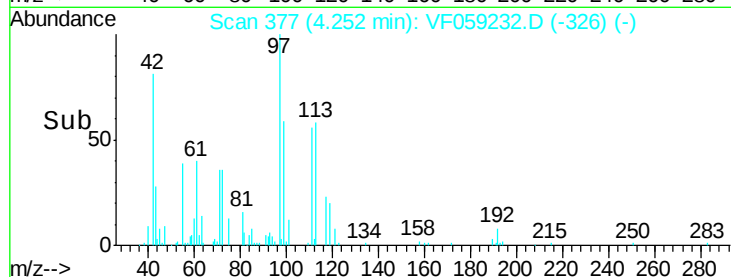
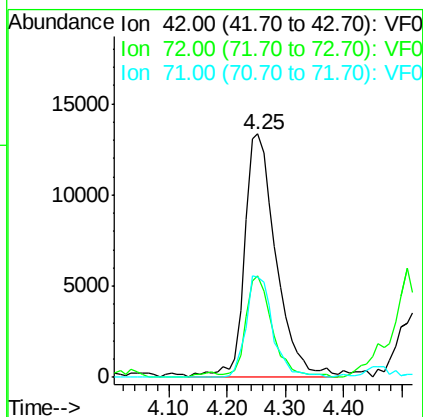
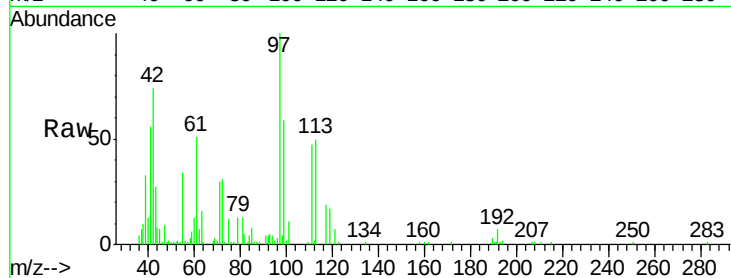




#29
Tetrahydrofuran
Concen: 104.854 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.01 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

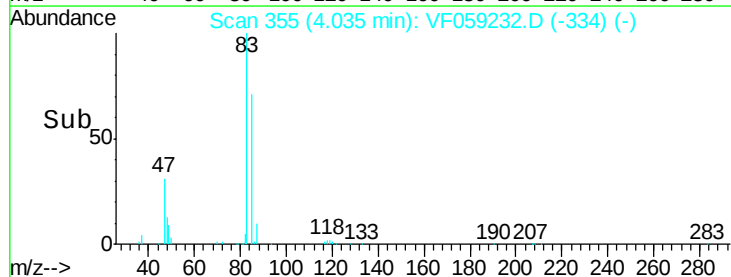
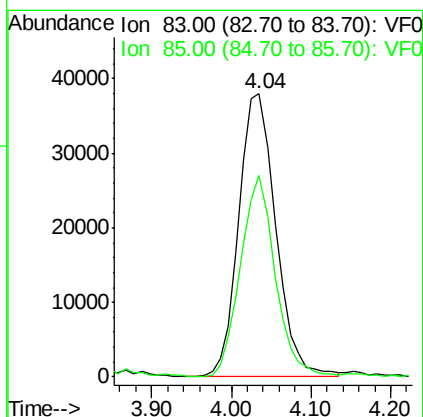
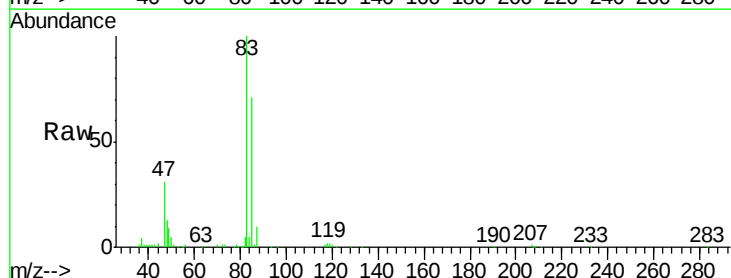
Instrument :
MSVOA_F
ClientSampleId :

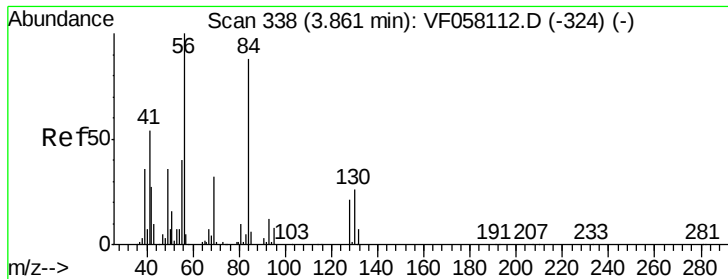
Tot Ion	Ratio	Lower	Upper
42	100		
72	35.3	30.5	45.7
71	35.7	31.5	47.3



#30
Chloroform
Concen: 22.505 ug/l
RT: 4.04 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.1	49.5	74.3

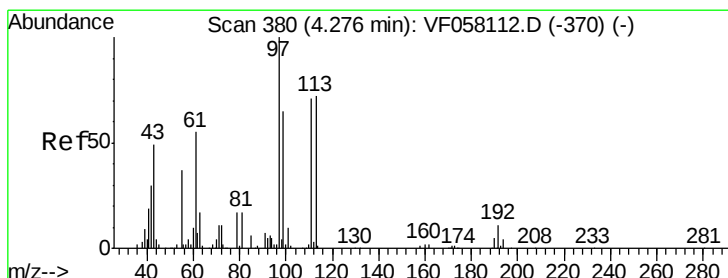
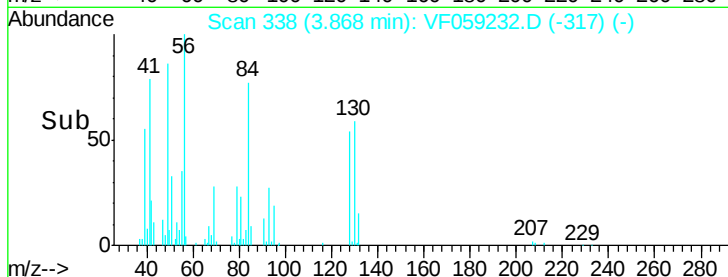
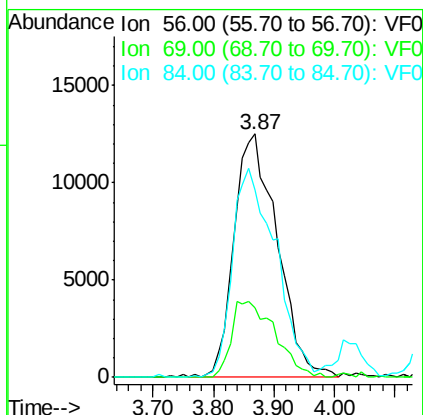
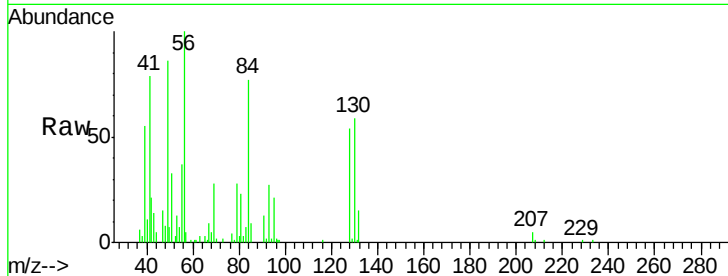




#31
Cyclohexane
Concen: 18.814 ug/l
RT: 3.87 min Scan# 338
Delta R.T. 0.01 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

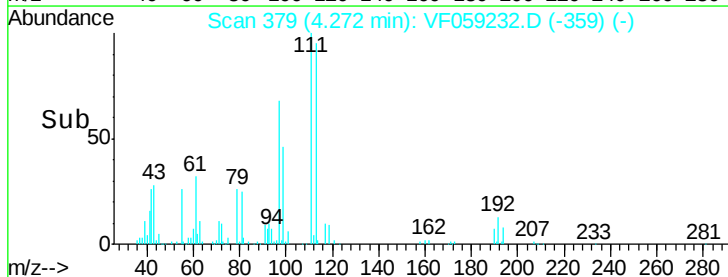
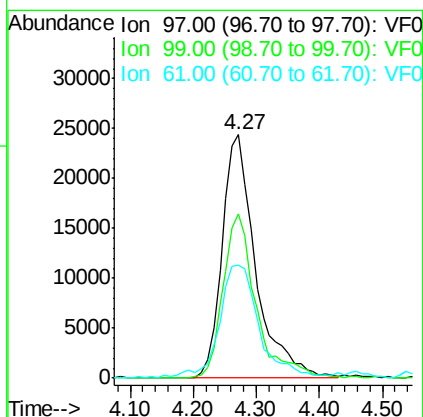
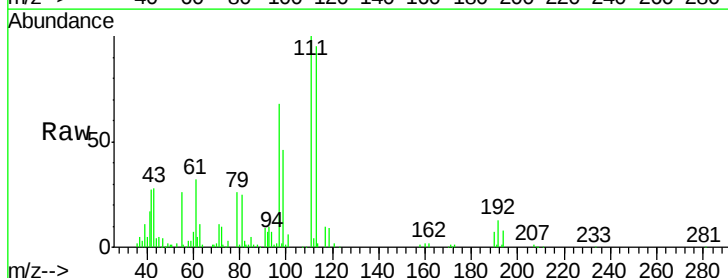
Instrument :
MSVOA_F
ClientSampleId :

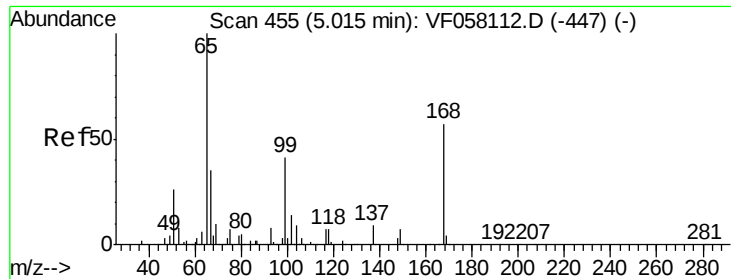
Tot Ion: 56 Resp: 61944
Ion Ratio Lower Upper
56 100
69 28.4 25.9 38.9
84 77.1 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 22.359 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion: 97 Resp: 89998
Ion Ratio Lower Upper
97 100
99 67.7 52.0 78.0
61 46.6 44.3 66.5





#33

1,2-Dichloroethane-d4

Concen: 60.070 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

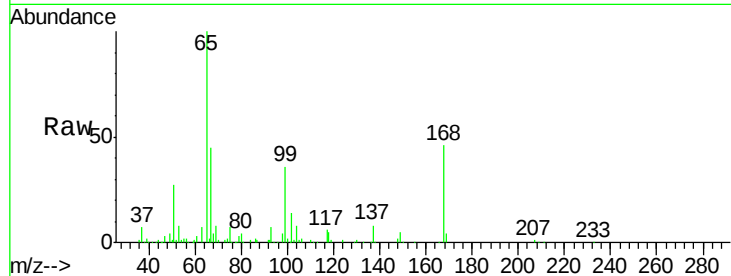
ClientSampleId :

Tot Ion: 65 Resp: 178154

Ion Ratio Lower Upper

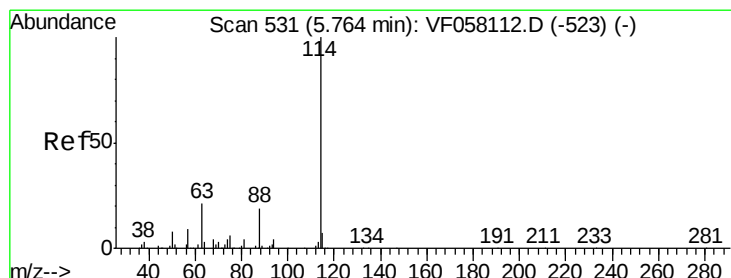
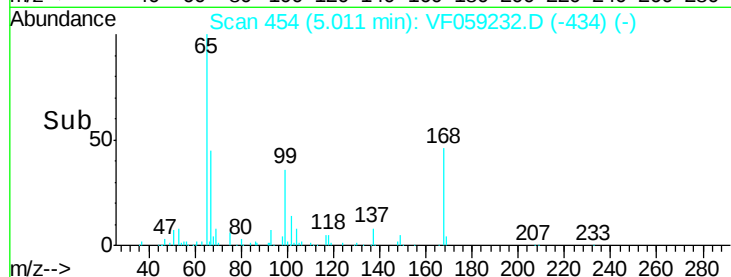
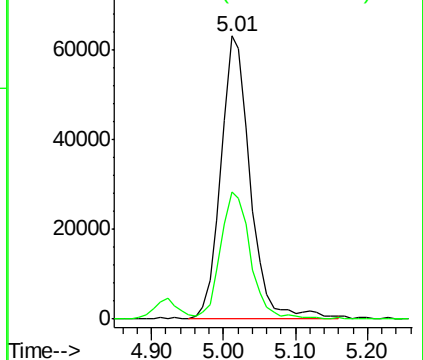
65 100

67 45.0 0.0 97.0



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: 5.76 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

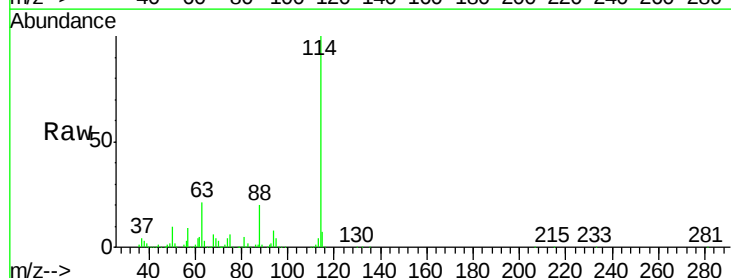
Tgt Ion: 114 Resp: 379119

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.6

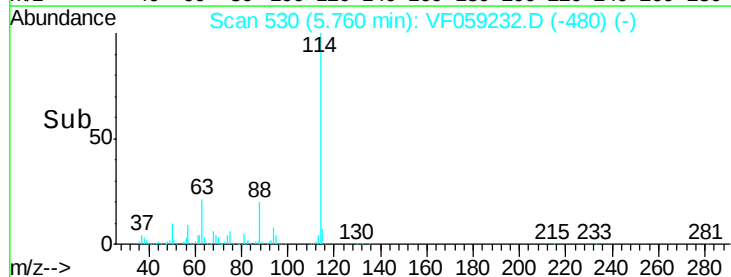
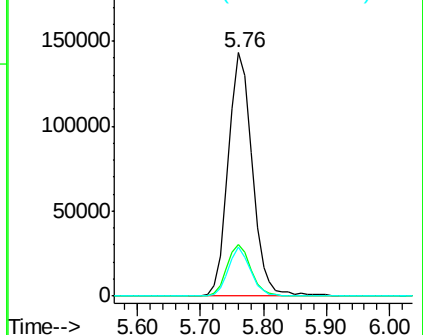
88 20.4 0.0 38.8

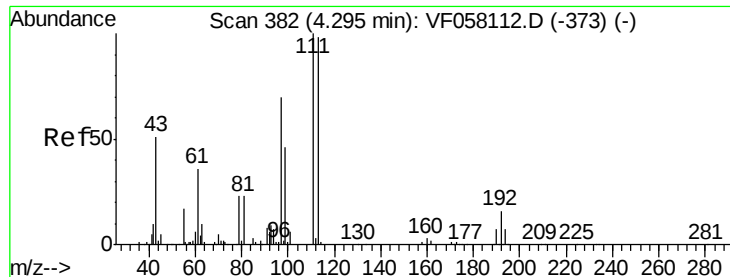


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 57.554 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :
MSVOA_F
ClientSampleId :

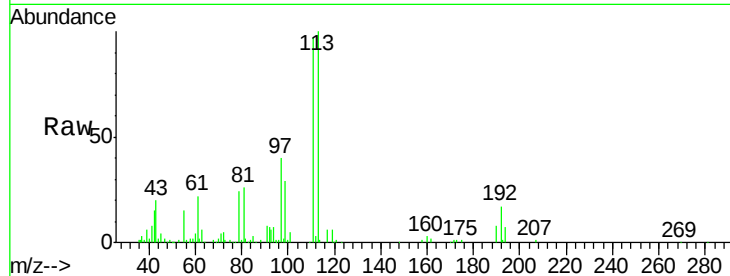
Tot Ion:113 Resp: 153105

Ion Ratio Lower Upper

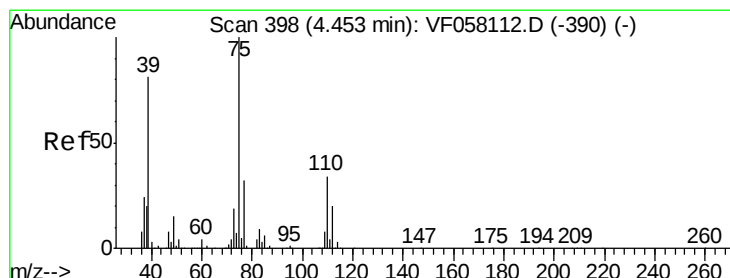
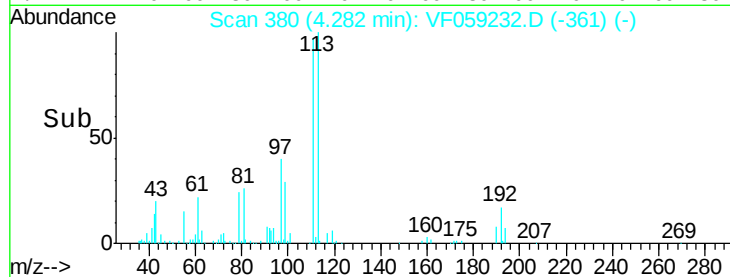
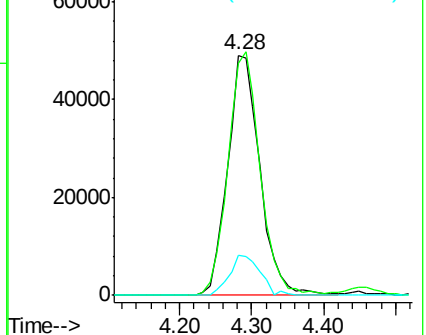
113 100

111 96.6 81.3 121.9

192 16.5 12.7 19.1



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.802 ug/l

RT: 4.45 min Scan# 397

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

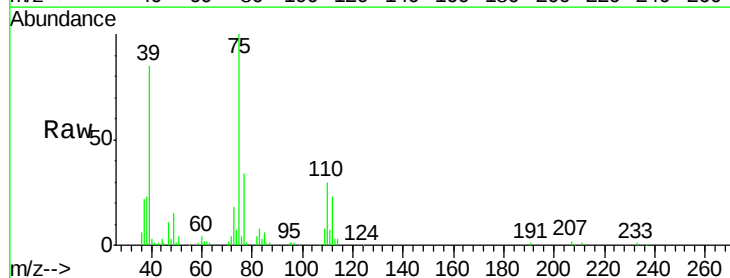
Tgt Ion: 75 Resp: 76441

Ion Ratio Lower Upper

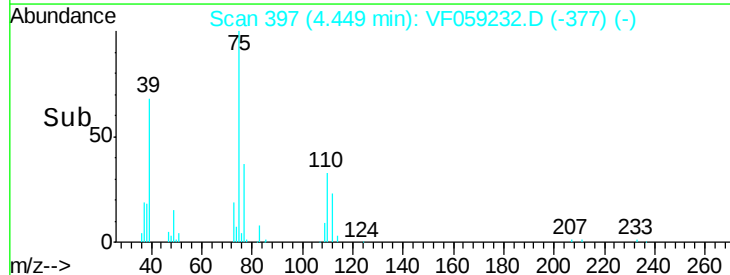
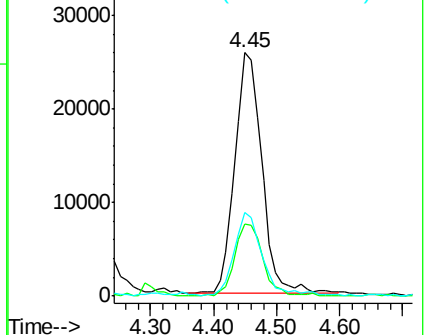
75 100

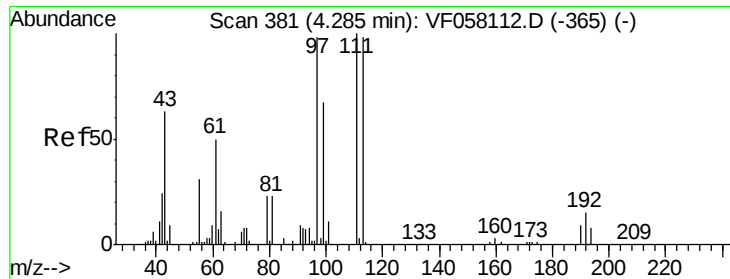
110 29.8 17.0 50.9

77 34.3 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0

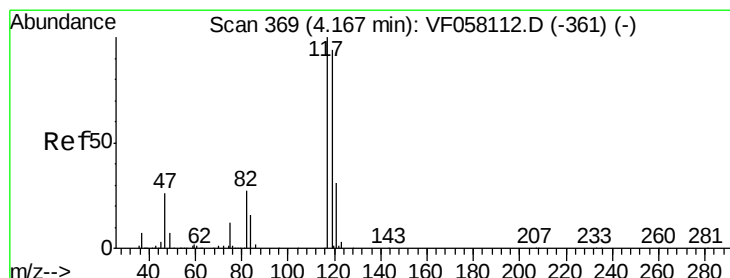
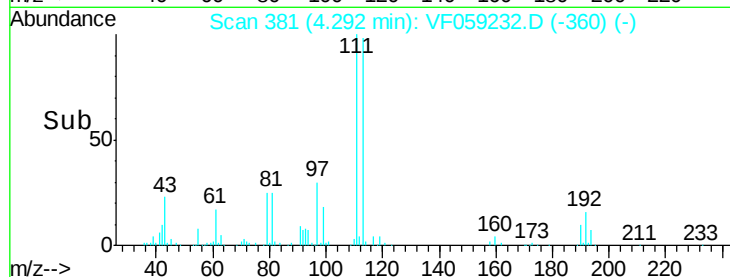
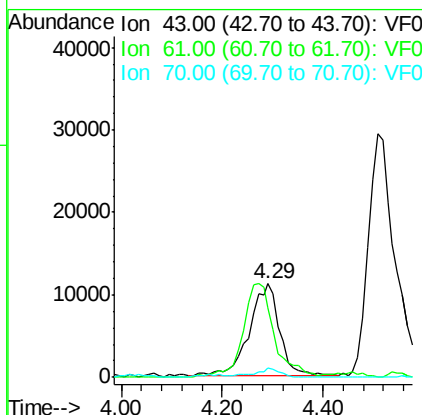
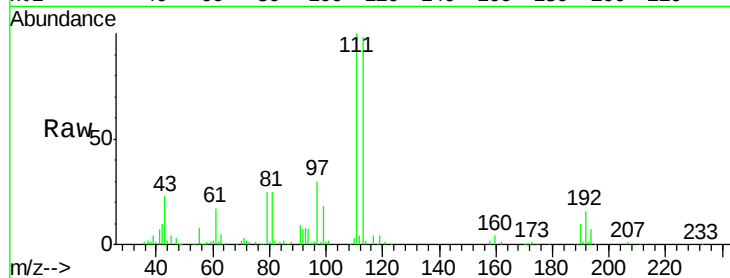




#37
Ethyl Acetate
Concen: 20.550 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

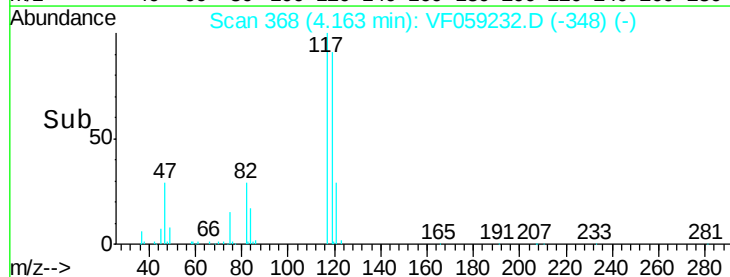
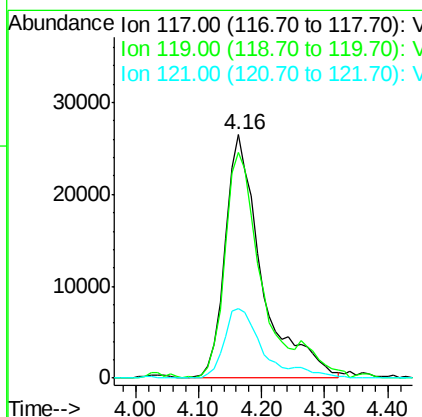
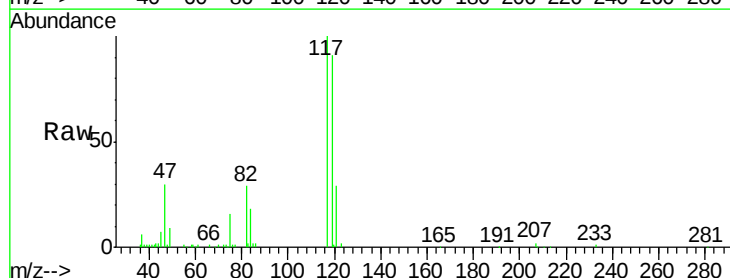
Instrument :
MSVOA_F
ClientSampleId :

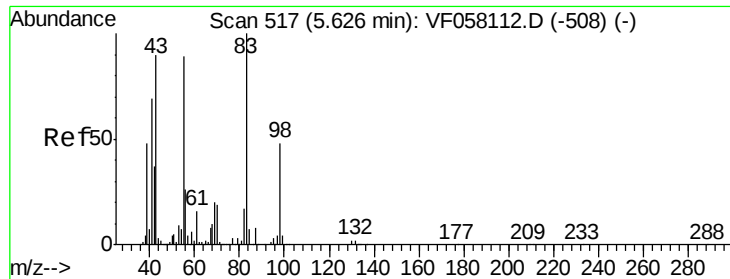
Tot Ion: 43 Resp: 46660
Ion Ratio Lower Upper
43 100
61 74.9 63.0 94.4
70 10.6 7.5 11.3



#38
Carbon Tetrachloride
Concen: 26.928 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion: 117 Resp: 107243
Ion Ratio Lower Upper
117 100
119 92.9 75.7 113.5
121 28.6 24.8 37.2

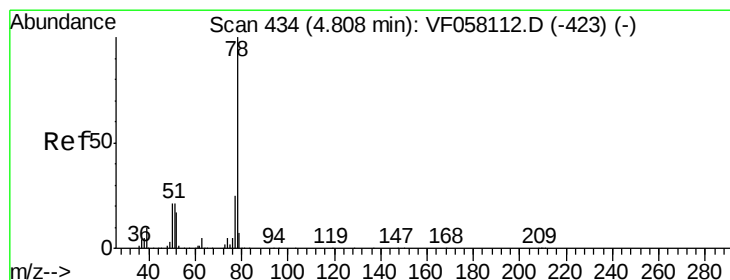
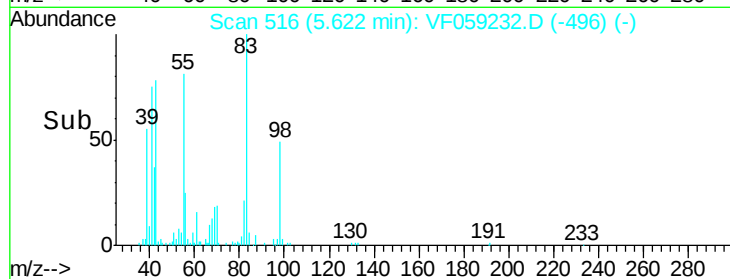
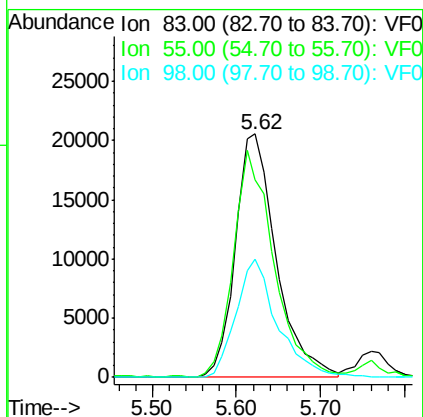
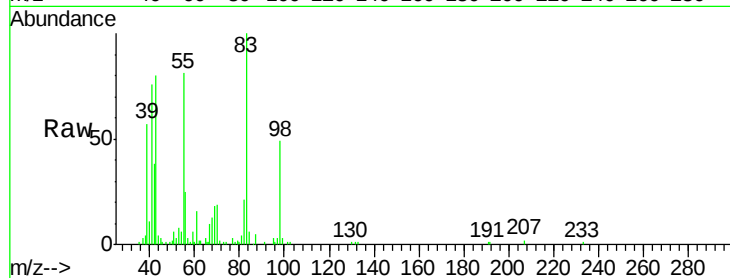




#39
Methvlcvclohexane
Concen: 18.648 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

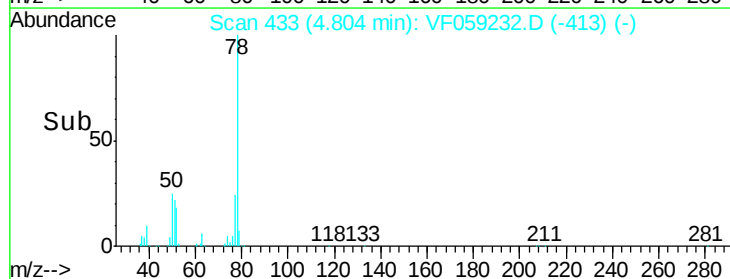
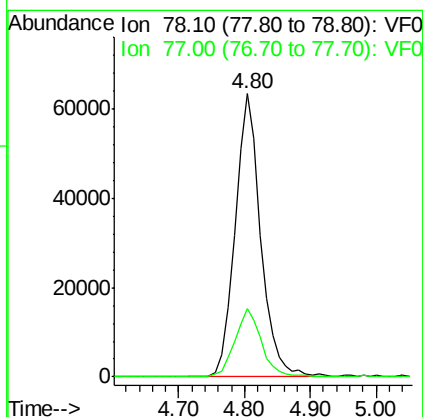
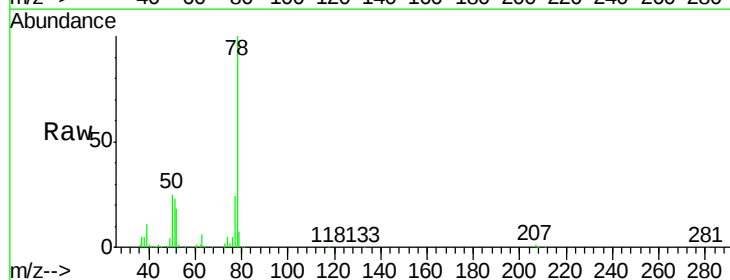
Instrument :
MSVOA_F
ClientSampleId :

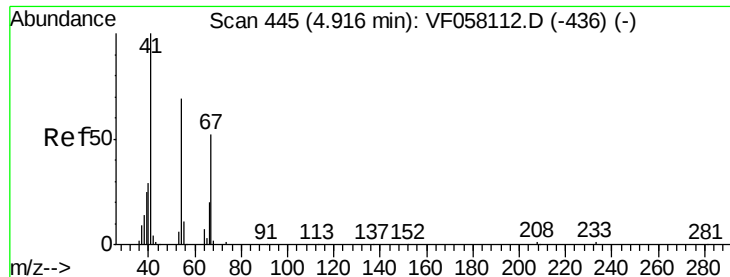
Tot Ion: 83 Resp: 69851
Ion Ratio Lower Upper
83 100
55 81.3 71.0 106.4
98 48.8 38.1 57.1



#40
Benzene
Concen: 20.275 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion: 78 Resp: 172940
Ion Ratio Lower Upper
78 100
77 24.0 20.2 30.2

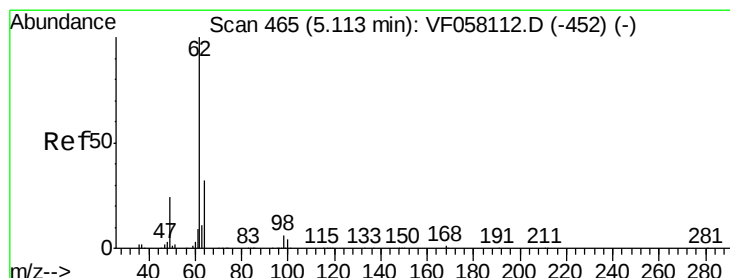
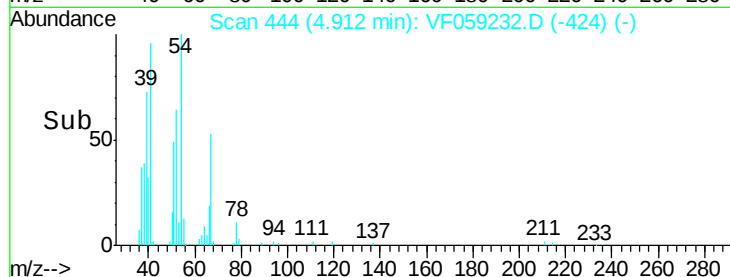
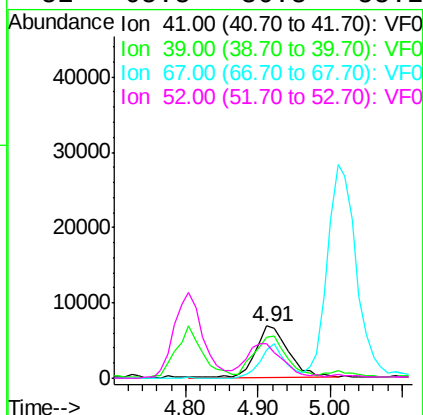
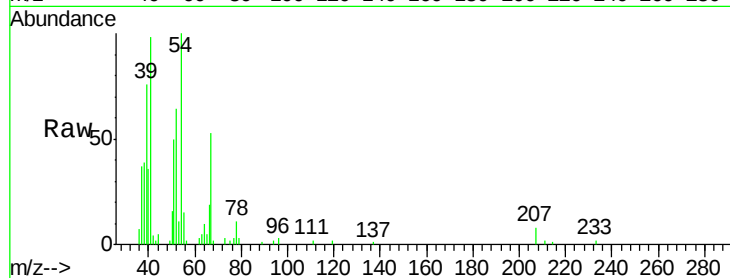




#41
Methacrylonitrile
Concen: 19.569 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

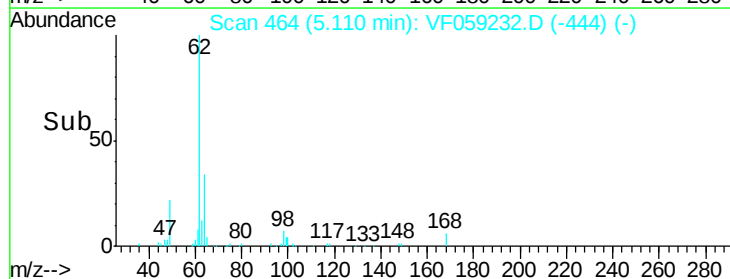
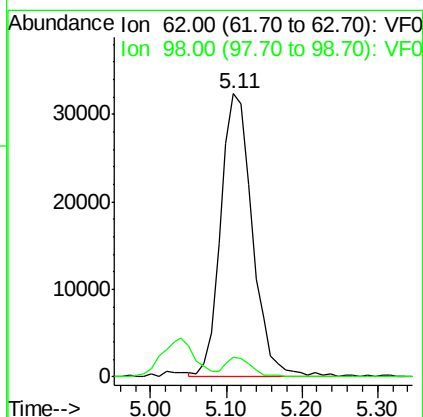
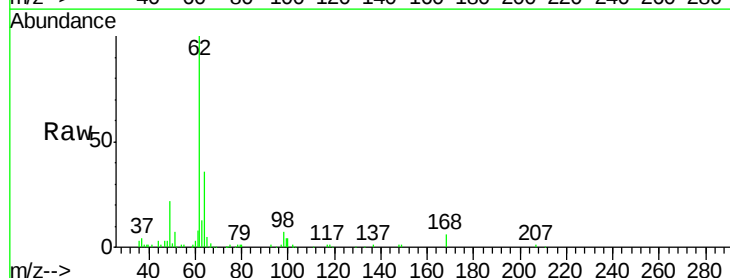
Instrument :
MSVOA_F
ClientSampleId :

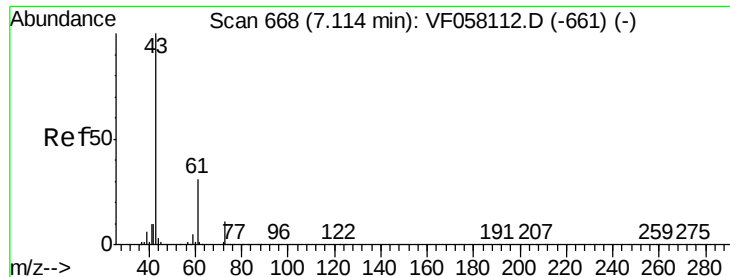
Tot Ion:	41	Resp:	21830
Ion	Ratio	Lower	Upper
41	100		
39	78.3	53.0	79.4
67	54.6	41.0	61.6
52	65.8	36.8	55.2#



#42
1,2-Dichloroethane
Concen: 24.637 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion:	62	Resp:	94247
Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	11.8



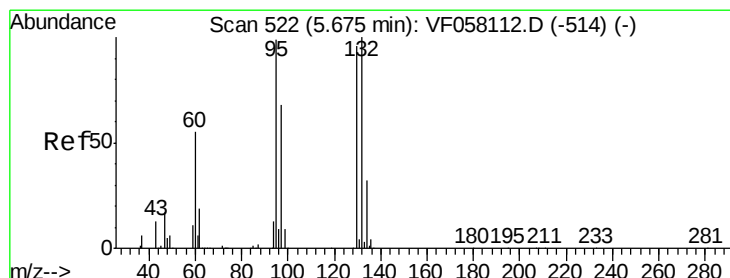
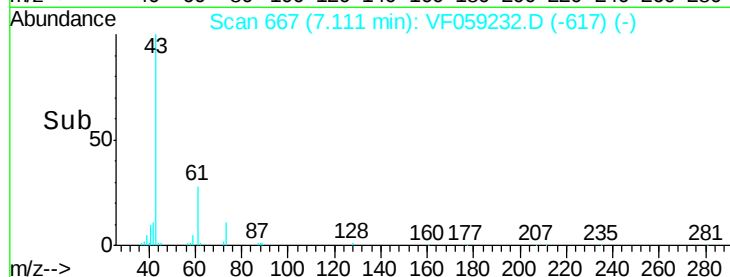
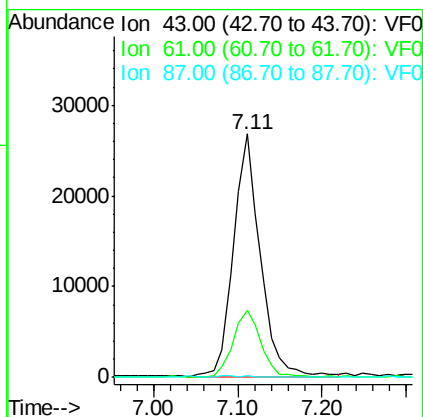
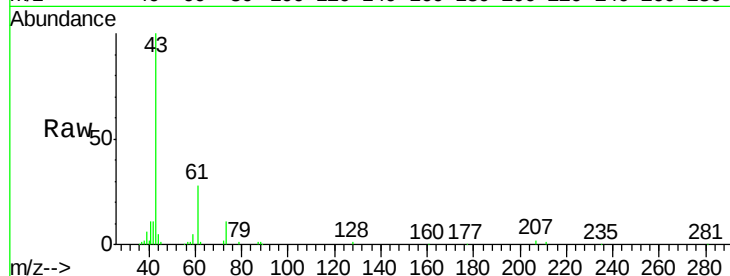


#43

Isopropyl Acetate
 Concen: 19.392 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Instrument :
 MSVOA_F
 ClientSampleId :

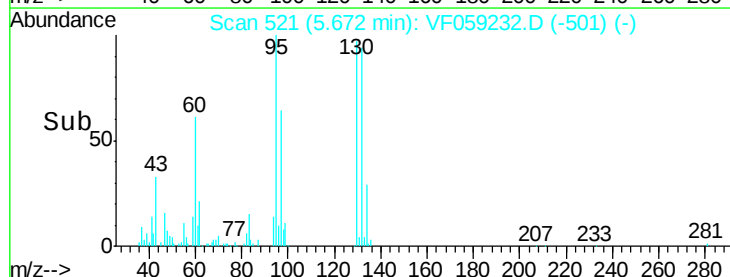
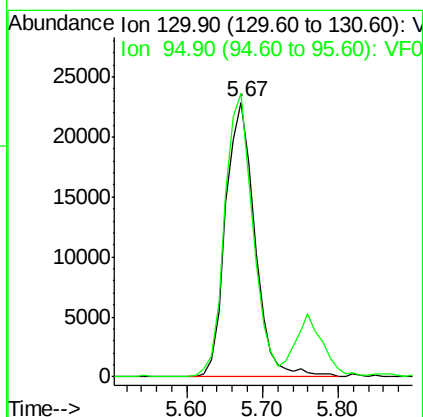
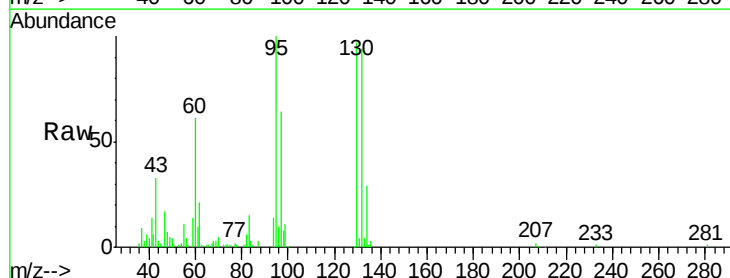
Tot Ion: 43 Resp: 58970
 Ion Ratio Lower Upper
 43 100
 61 27.7 25.1 37.7
 87 0.8 0.2 0.4#

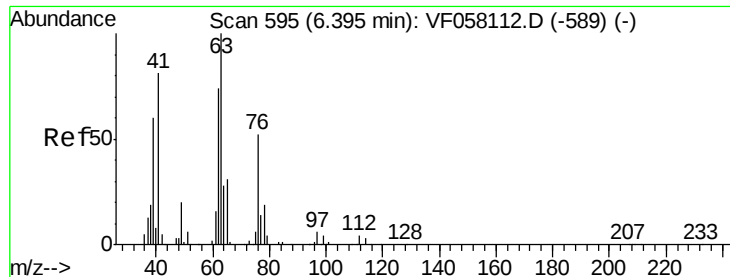


#44

Trichloroethene
 Concen: 22.963 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Tgt Ion: 130 Resp: 61198
 Ion Ratio Lower Upper
 130 100
 95 103.1 0.0 206.8





#45

1,2-Dichloropropane

Concen: 20.182 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

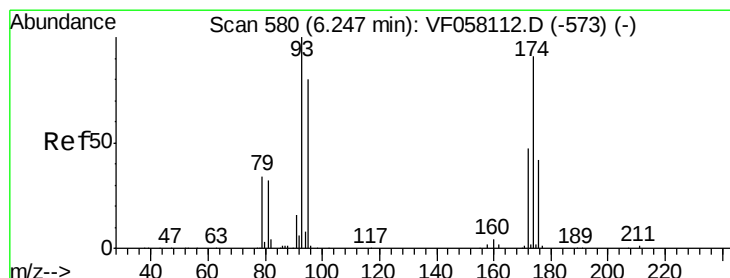
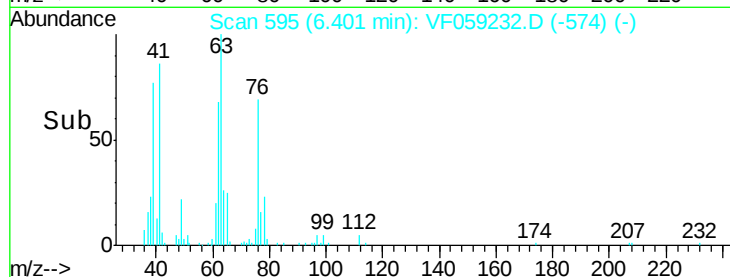
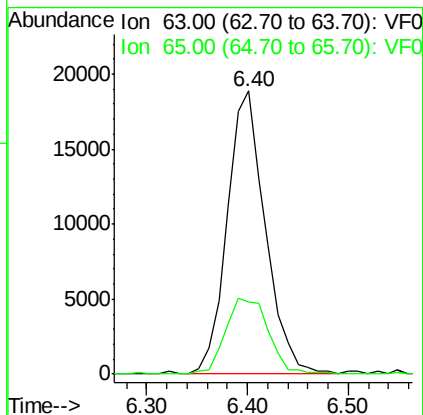
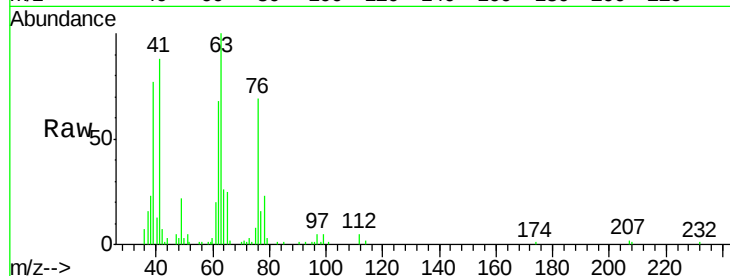
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 49636

Ion Ratio Lower Upper

63 100

65 25.5 24.6 37.0



#46

Dibromomethane

Concen: 22.664 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

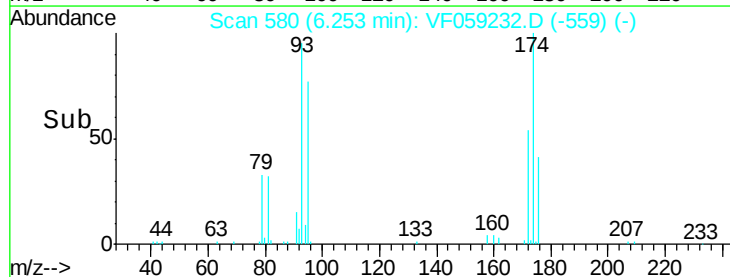
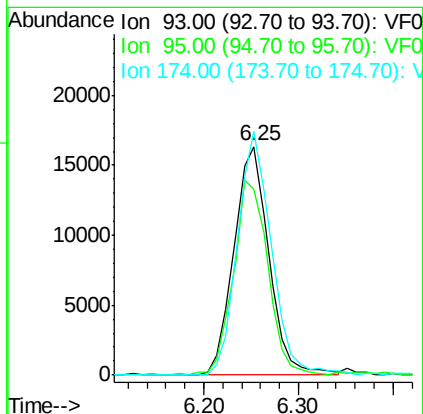
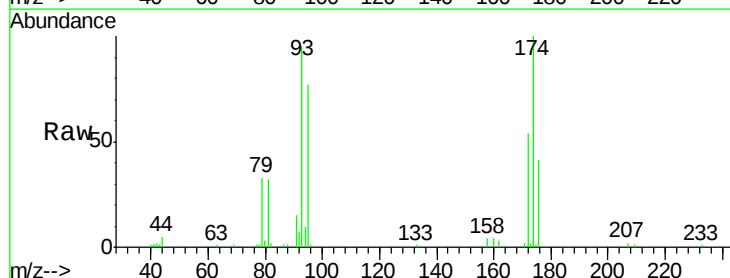
Tgt Ion: 93 Resp: 41938

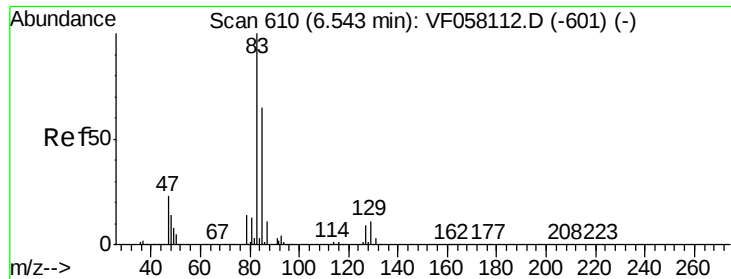
Ion Ratio Lower Upper

93 100

95 81.1 64.2 96.4

174 106.5 72.7 109.1





#47

Bromodichloromethane

Concen: 23.970 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :
MSVOA_F
ClientSampleId :

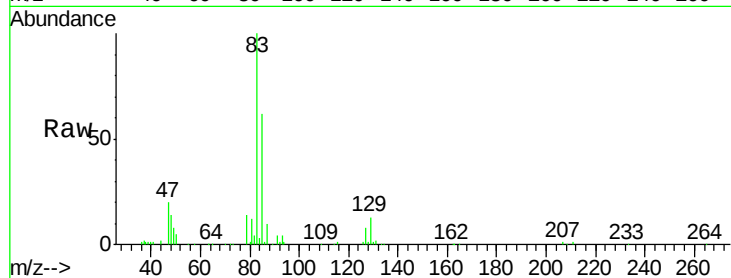
Tot Ion: 83 Resp: 100903

Ion Ratio Lower Upper

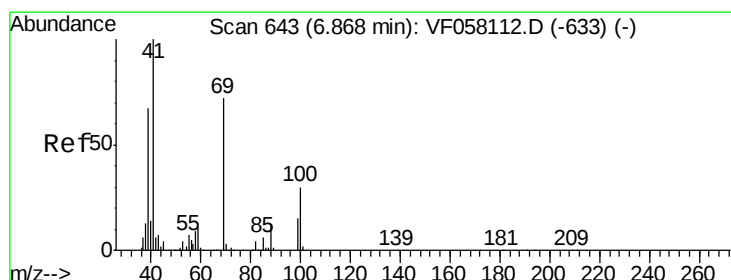
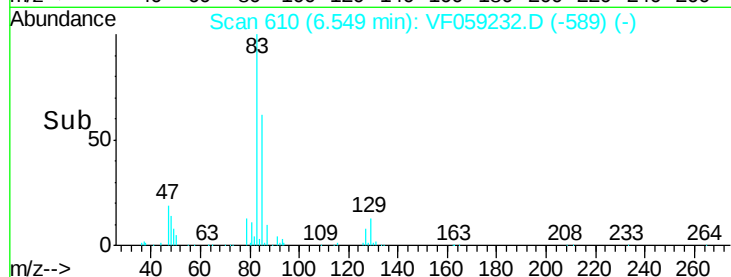
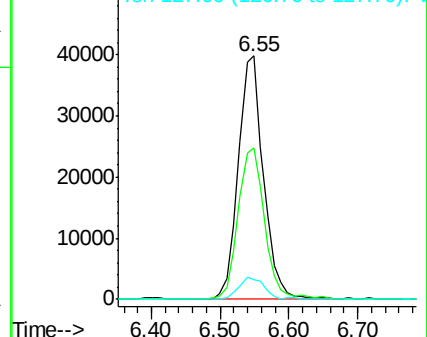
83 100

85 62.2 51.6 77.4

127 8.0 7.2 10.8



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: 19.644 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

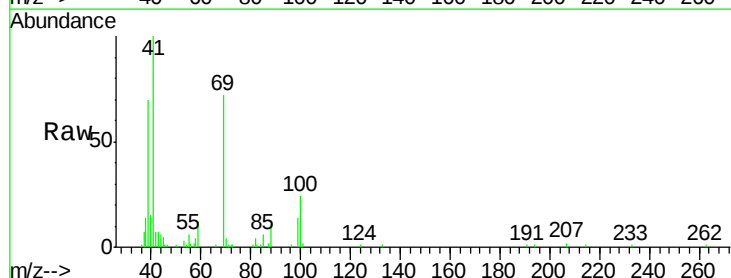
Tgt Ion: 41 Resp: 36824

Ion Ratio Lower Upper

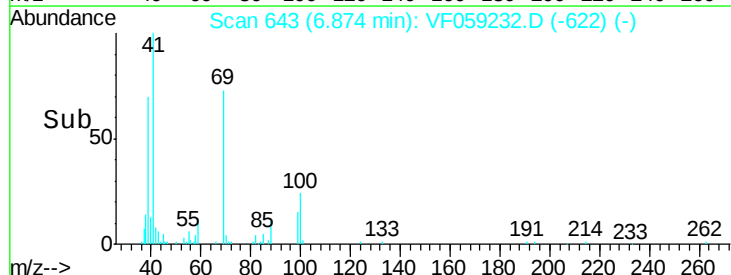
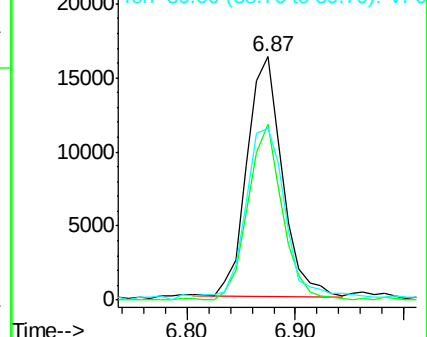
41 100

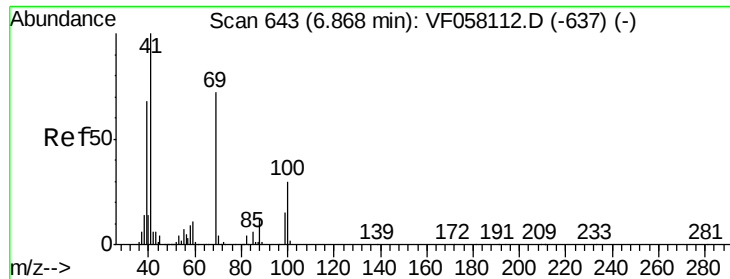
69 72.1 57.2 85.8

39 70.5 54.3 81.5



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

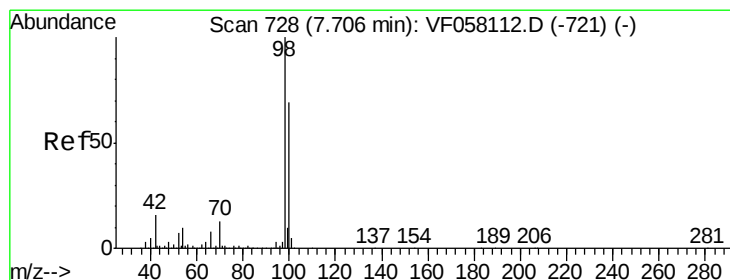
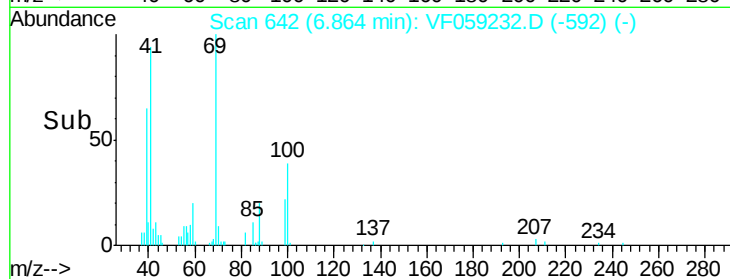
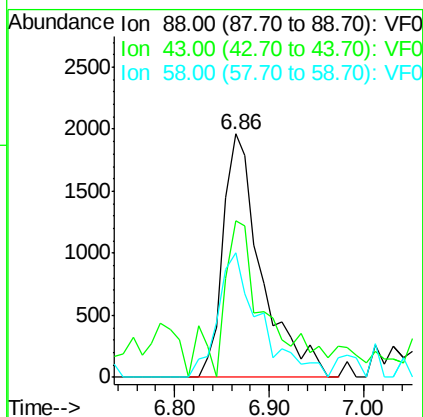
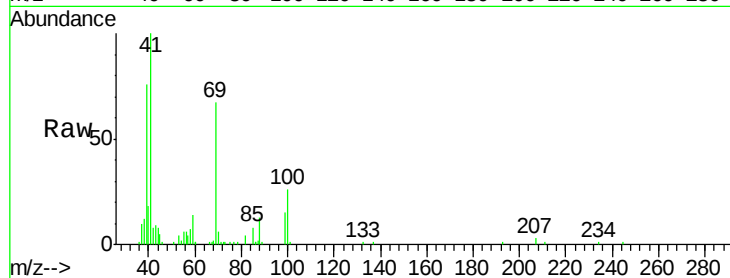




#49
1,4-Dioxane
Concen: 384.986 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

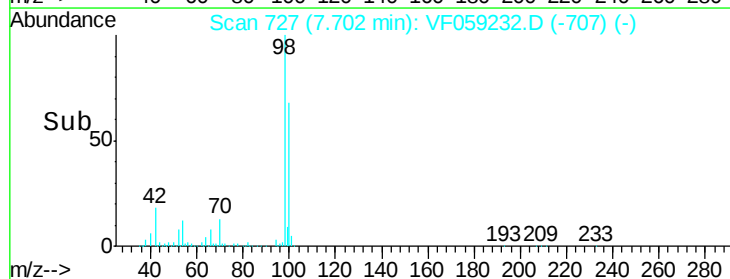
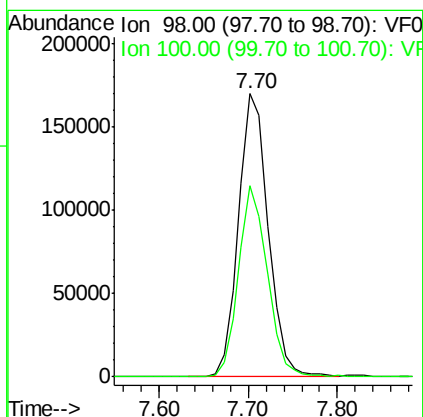
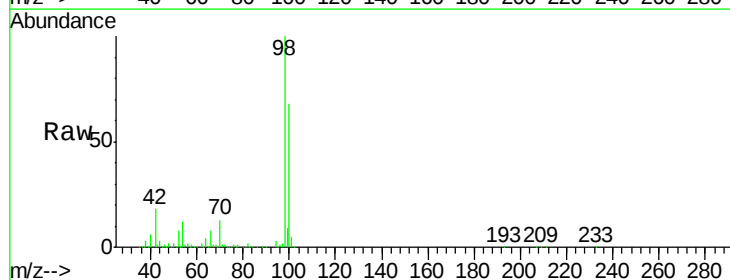
Instrument :
MSVOA_F
ClientSampled :

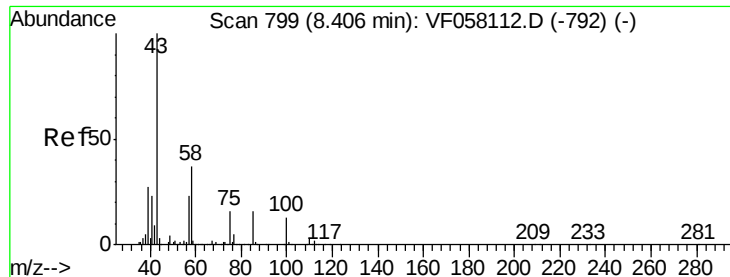
Tot Ion: 88 Resp: 5502
Ion Ratio Lower Upper
88 100
43 64.3 47.8 71.8
58 50.9 59.4 89.0#



#50
Toluene-d8
Concen: 50.415 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion: 98 Resp: 393993
Ion Ratio Lower Upper
98 100
100 67.7 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 109.274 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

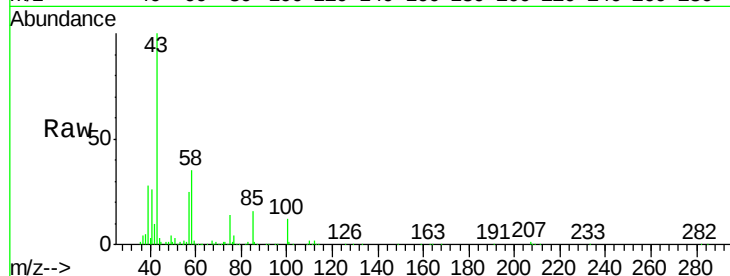
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 227752

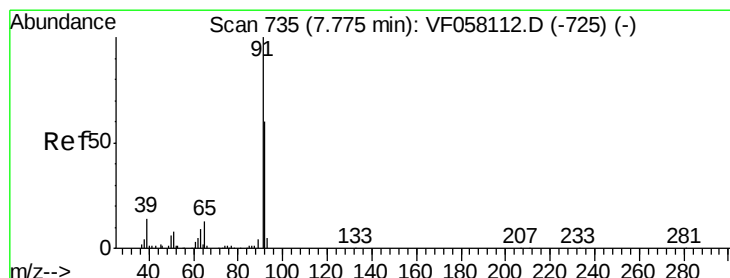
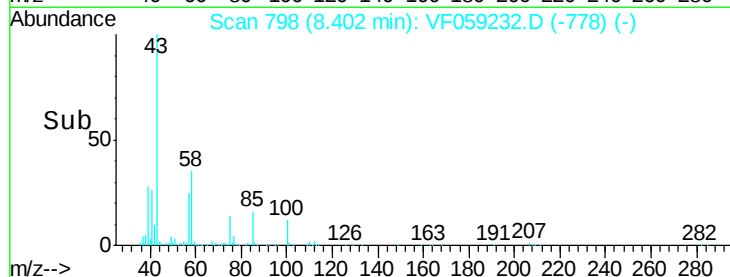
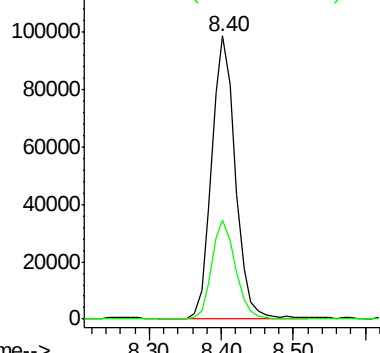
Ion Ratio Lower Upper

43 100

58 35.1 29.4 44.0



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.184 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059232.D

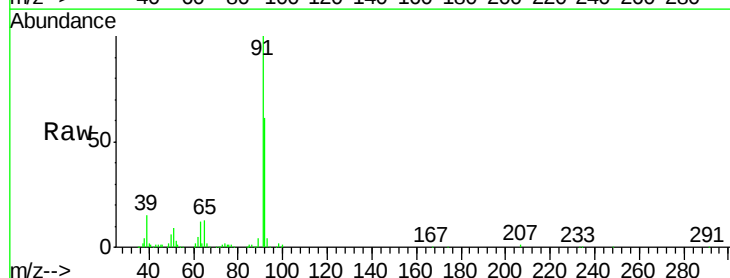
Acq: 20 Jun 2018 18:13

Tgt Ion: 92 Resp: 130146

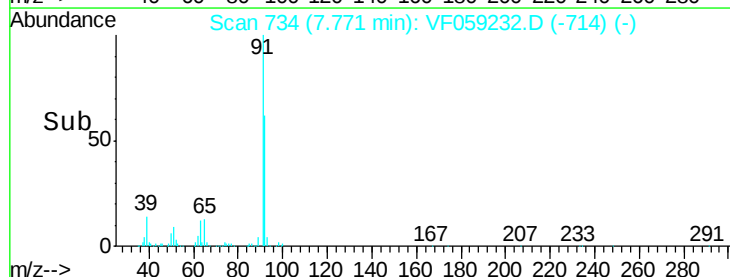
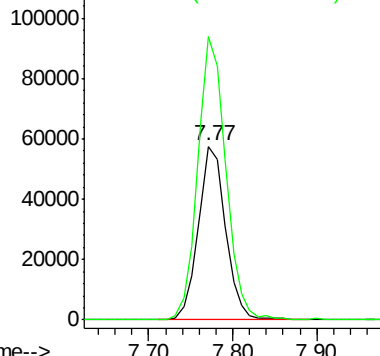
Ion Ratio Lower Upper

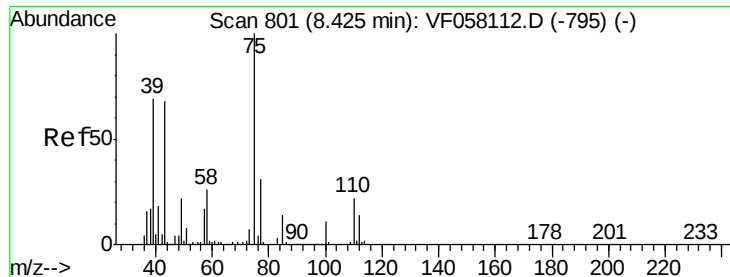
92 100

91 162.8 132.9 199.3



Abundance Ion 92.00 (91.70 to 92.70): VF0
Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 22.747 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

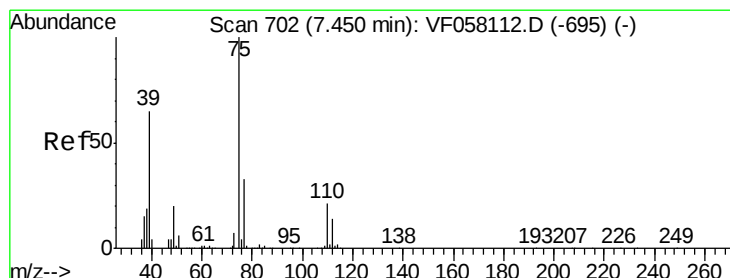
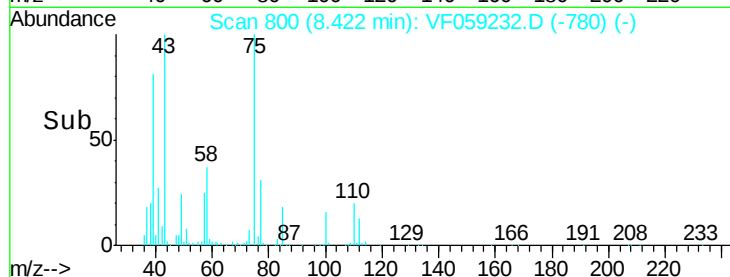
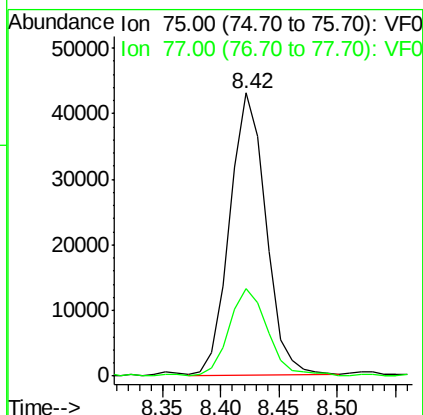
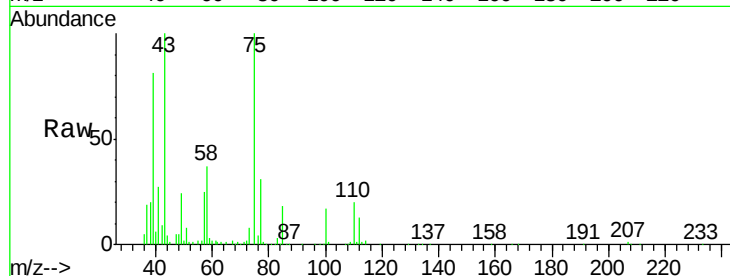
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 92736

Ion Ratio Lower Upper

75 100

77 31.1 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.577 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

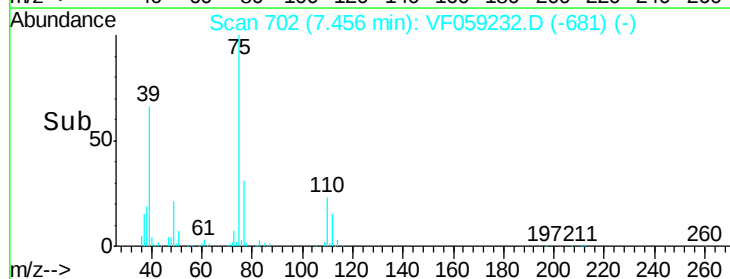
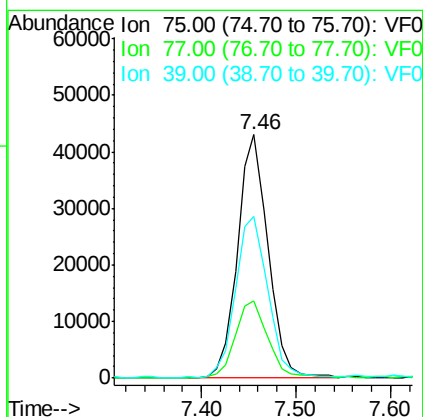
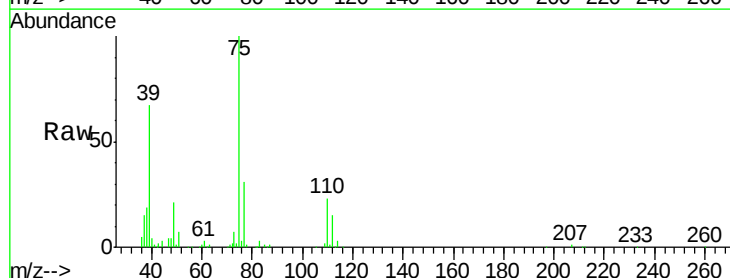
Tgt Ion: 75 Resp: 96366

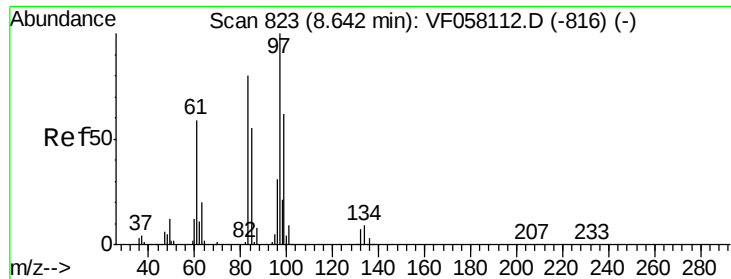
Ion Ratio Lower Upper

75 100

77 31.5 26.3 39.5

39 66.7 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 21.909 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 48776

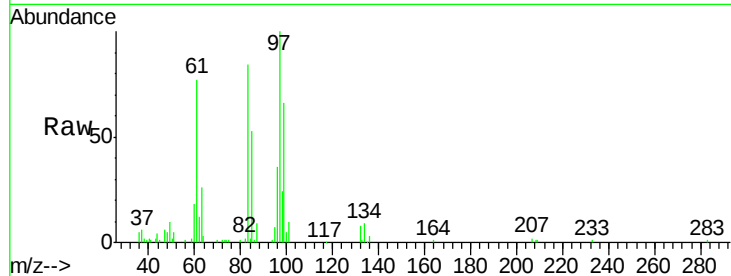
Ion	Ratio	Lower	Upper
97	100		
83	83.9	64.3	96.5
85	53.2	43.8	65.8
99	66.3	49.8	74.8

97 100

83 83.9 64.3 96.5

85 53.2 43.8 65.8

99 66.3 49.8 74.8

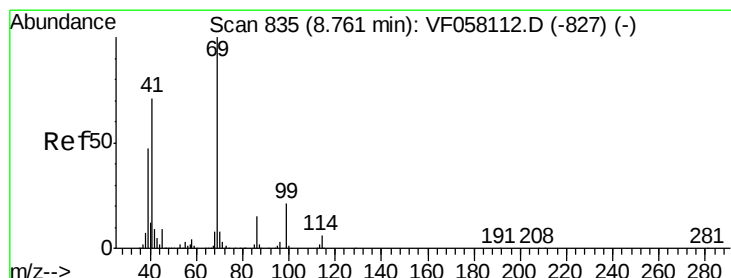
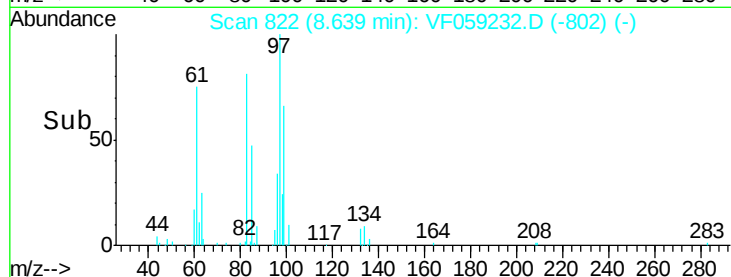
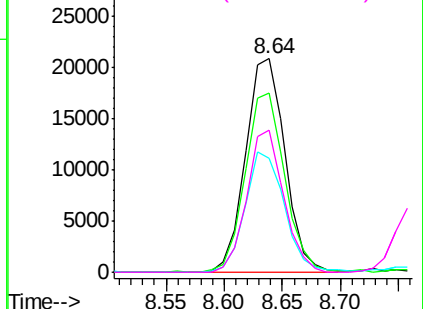


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.734 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

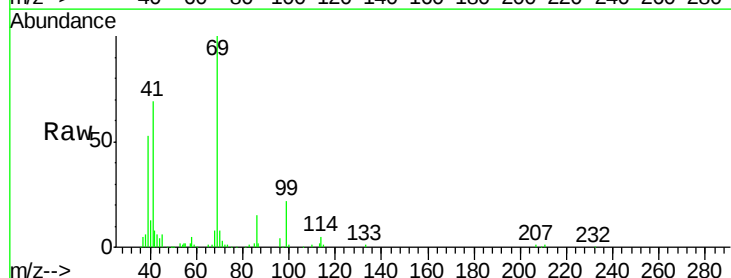
Tgt Ion: 69 Resp: 58183

Ion	Ratio	Lower	Upper
69	100		
41	69.4	56.9	85.3
39	52.6	38.0	57.0

69 100

41 69.4 56.9 85.3

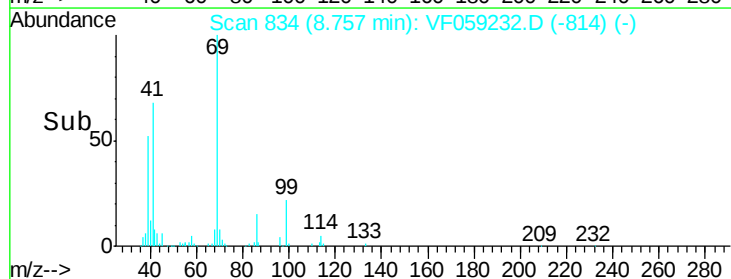
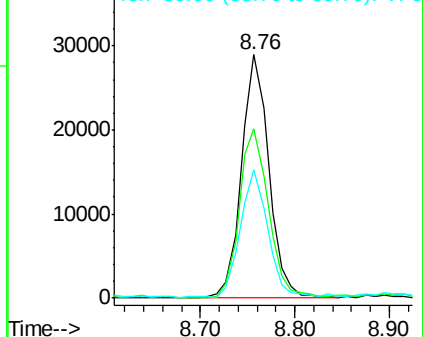
39 52.6 38.0 57.0

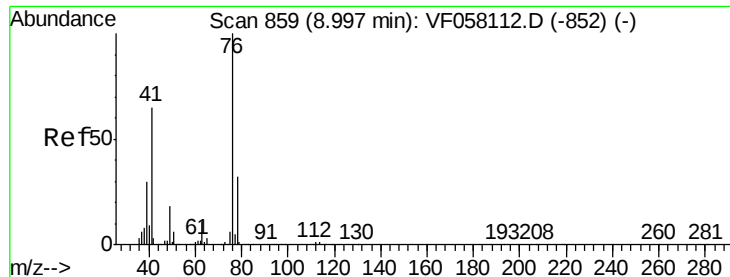


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.605 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

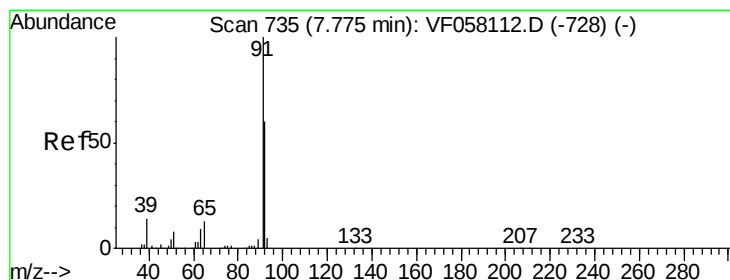
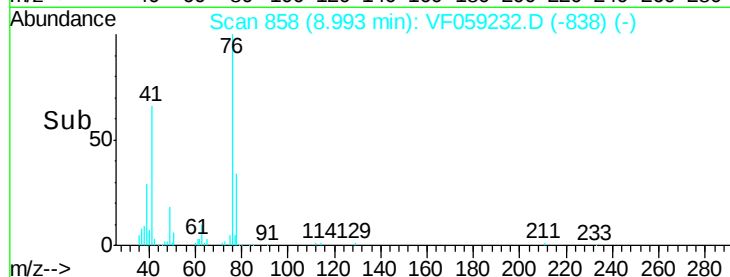
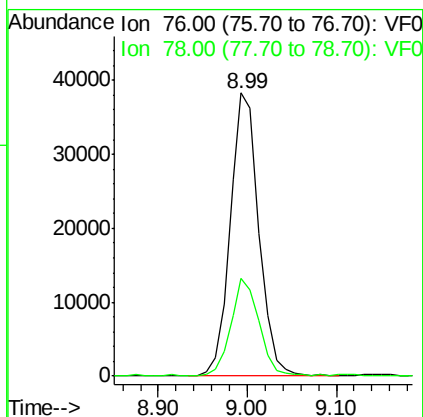
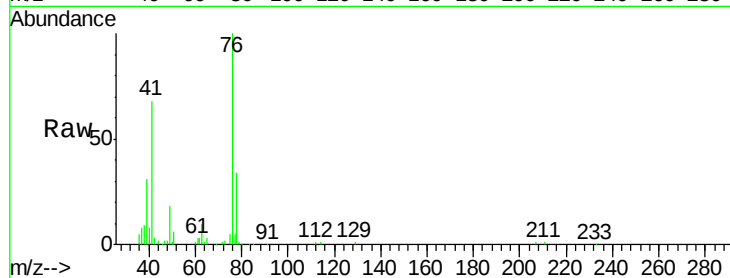
ClientSampleId :

Tot Ion: 76 Resp: 86088

Ion Ratio Lower Upper

76 100

78 34.4 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 127.896 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059232.D

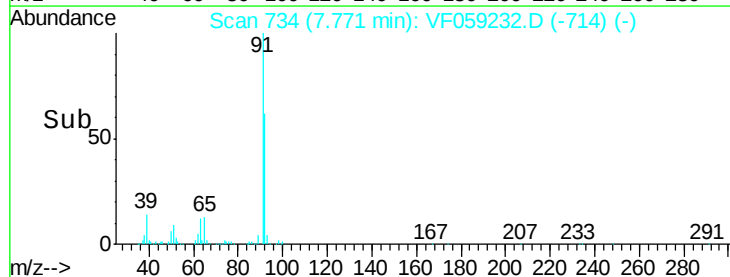
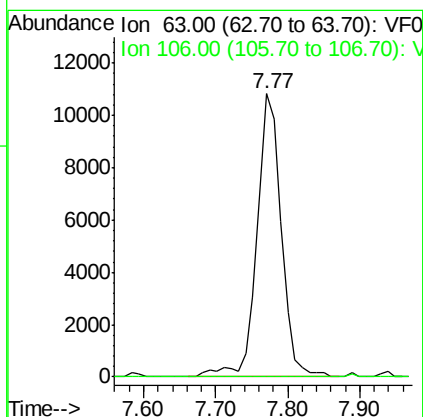
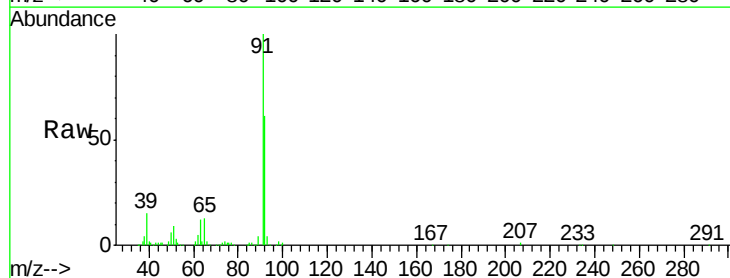
Acq: 20 Jun 2018 18:13

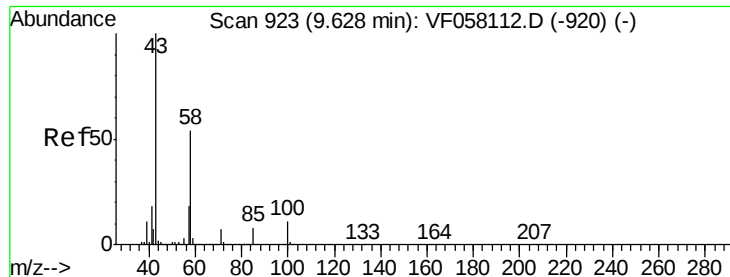
Tgt Ion: 63 Resp: 25663

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 110.268 ug/l

RT: 9.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

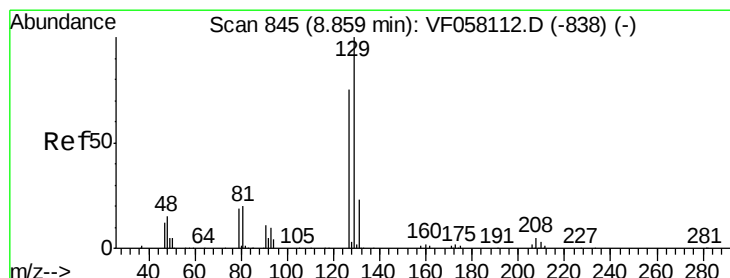
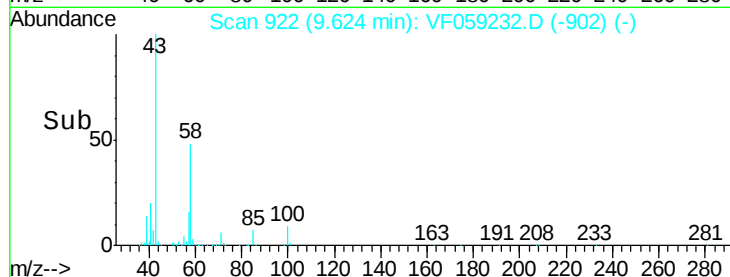
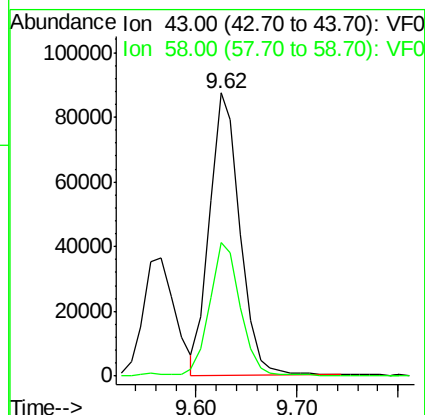
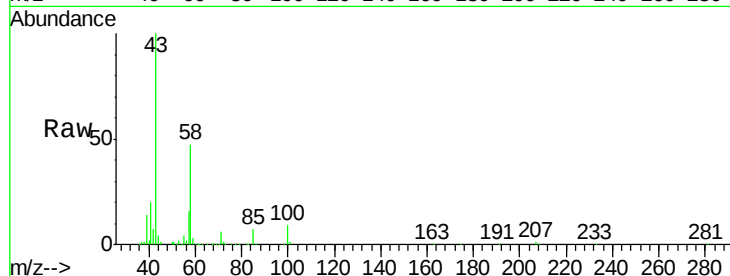
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 181789

Ion Ratio Lower Upper

43 100

58 47.4 26.3 78.8



#60

Dibromochloromethane

Concen: 22.873 ug/l

RT: 8.86 min Scan# 844

Delta R.T. -0.00 min

Lab File: VF059232.D

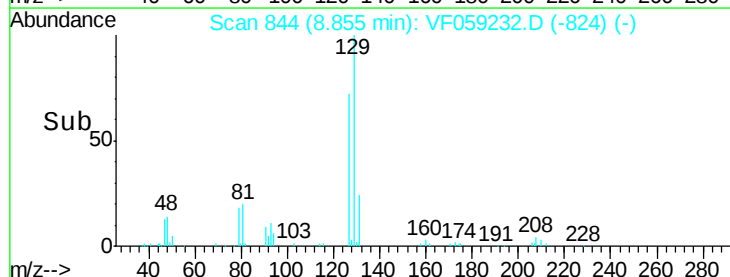
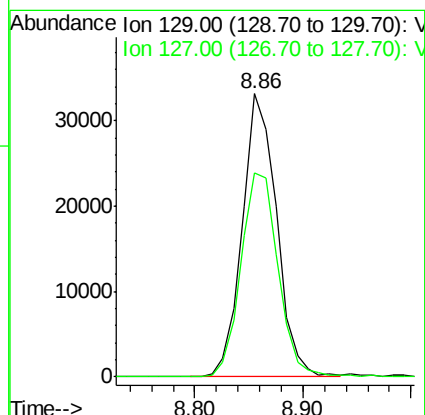
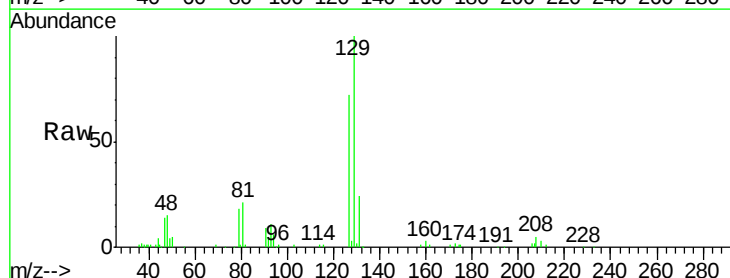
Acq: 20 Jun 2018 18:13

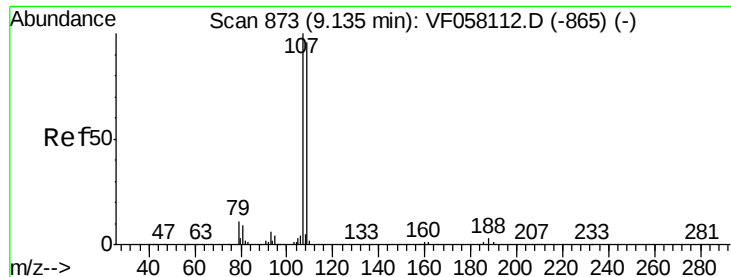
Tgt Ion: 129 Resp: 73174

Ion Ratio Lower Upper

129 100

127 72.0 37.6 112.9





#61

1,2-Dibromoethane

Concen: 22.249 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

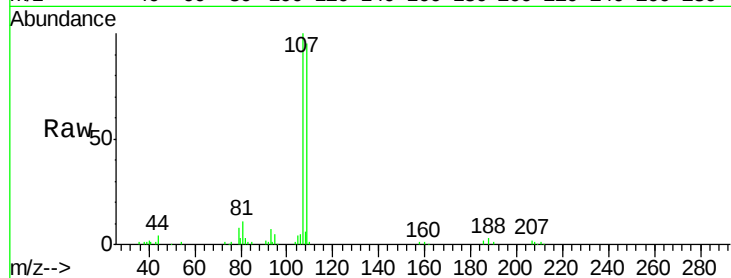
ClientSampled :

Tot Ion:107 Resp: 57554

Ion Ratio Lower Upper

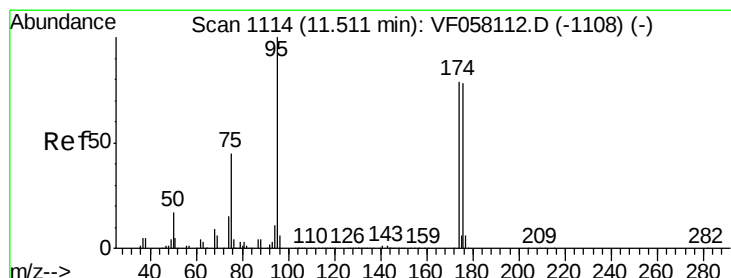
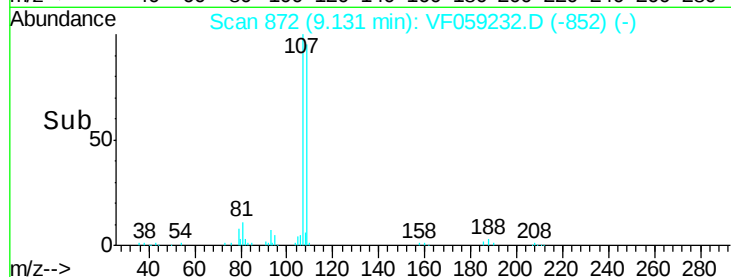
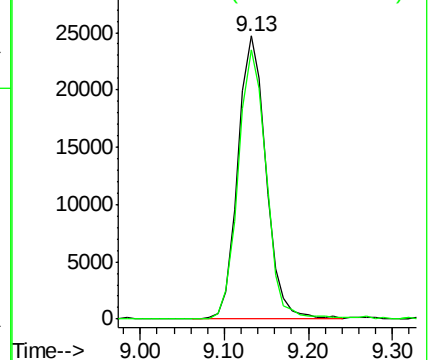
107 100

109 95.0 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 54.535 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

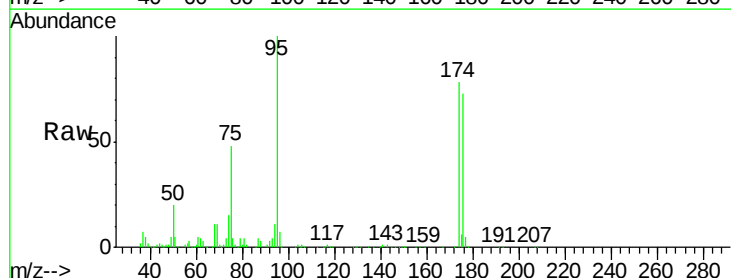
Tgt Ion: 95 Resp: 218596

Ion Ratio Lower Upper

95 100

174 78.3 0.0 157.8

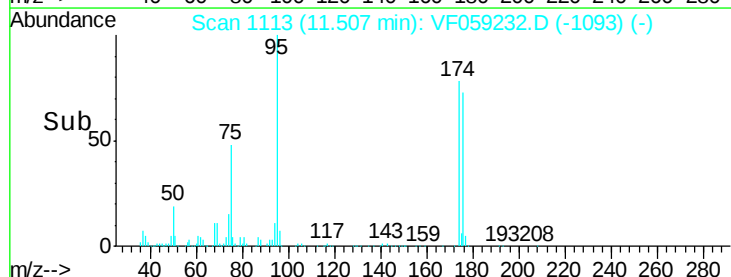
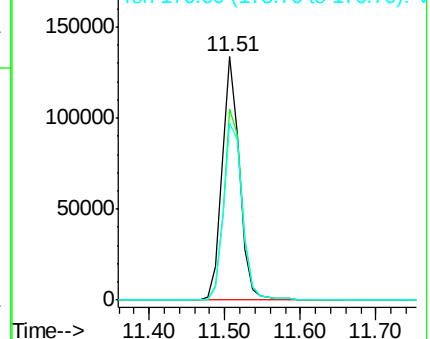
176 72.5 0.0 155.8

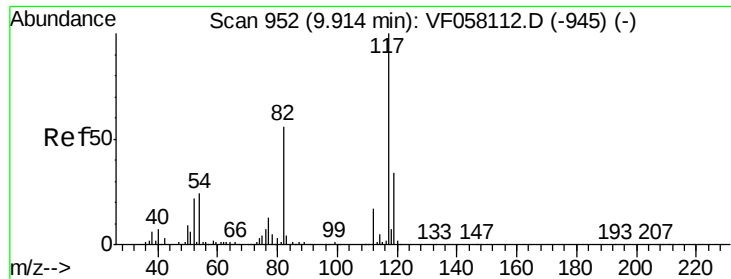


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

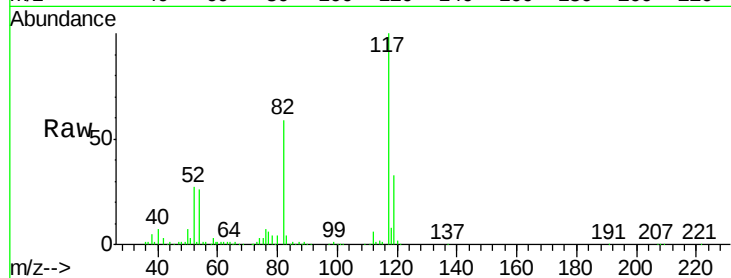




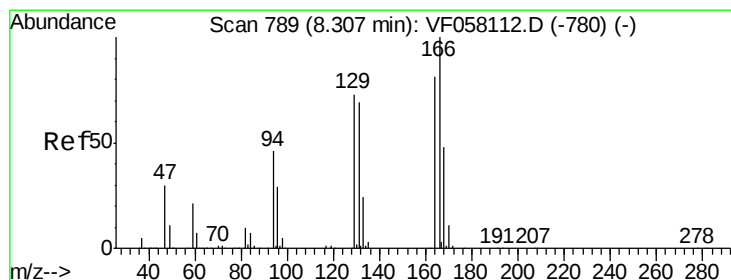
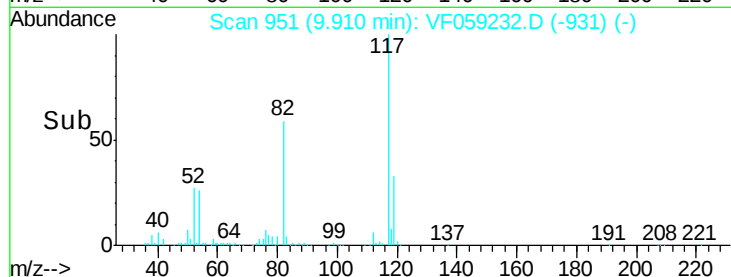
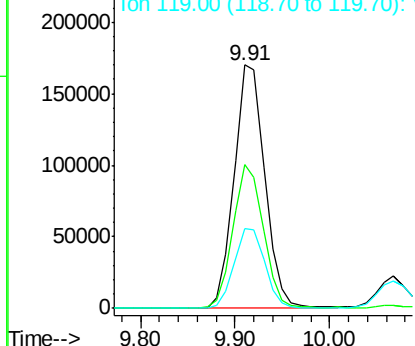
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	45.2	67.8
119	32.6	27.5	41.3



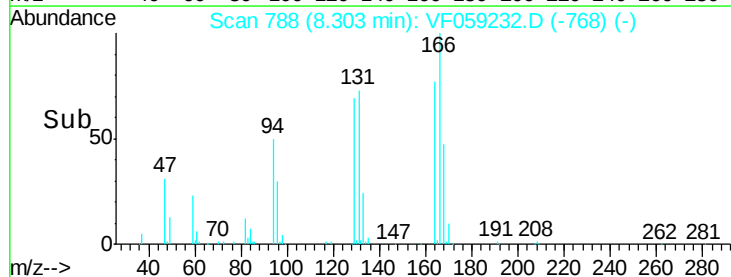
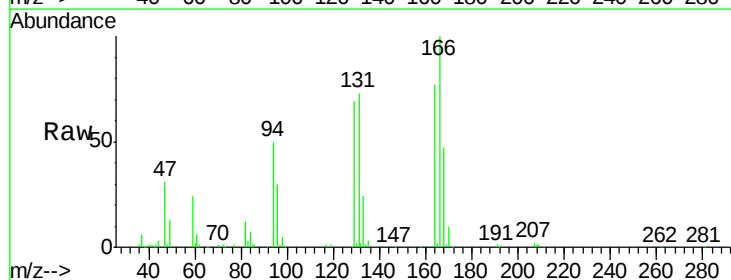
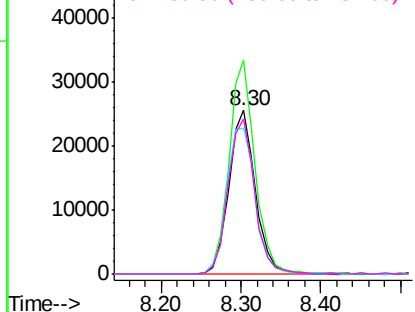
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

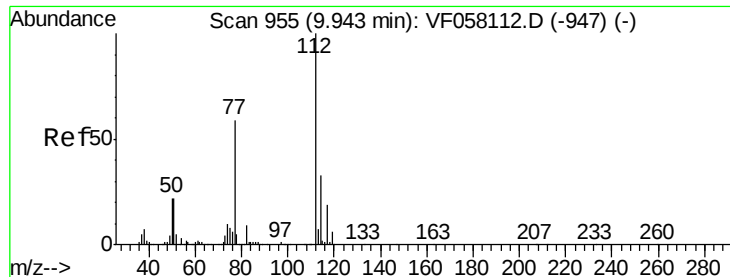


#64
Tetrachloroethene
Concen: 20.952 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	98.2	147.4
129	89.4	71.6	107.4
131	94.7	67.8	101.6

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





#65

Chlorobenzene

Concen: 22.071 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

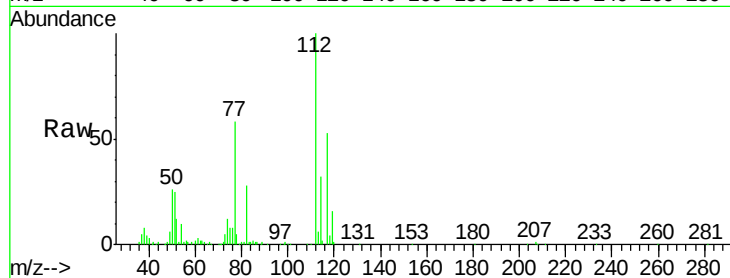
ClientSampleId :

Tot Ion:112 Resp: 168224

Ion Ratio Lower Upper

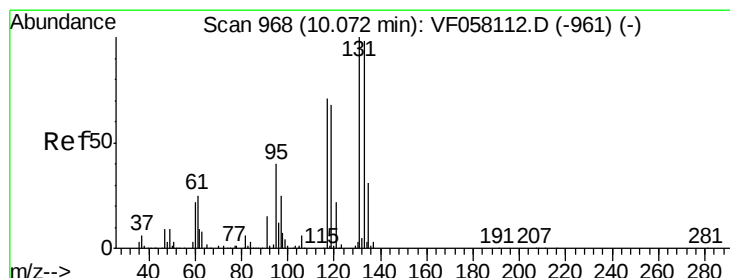
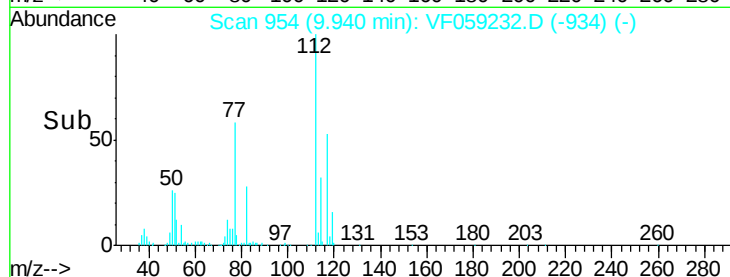
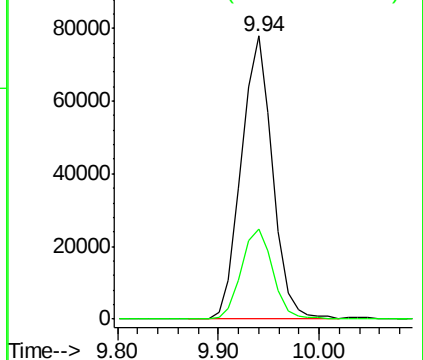
112 100

114 32.0 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.518 ug/l

RT: 10.07 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

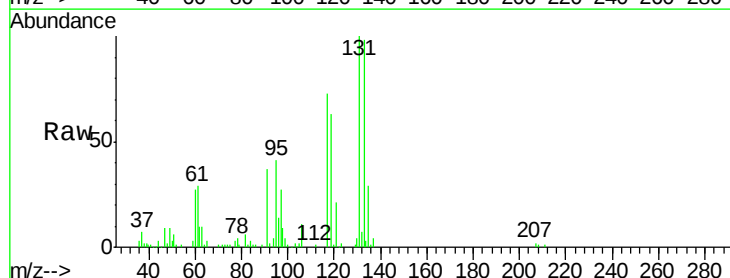
Tgt Ion:131 Resp: 68273

Ion Ratio Lower Upper

131 100

133 97.9 49.1 147.4

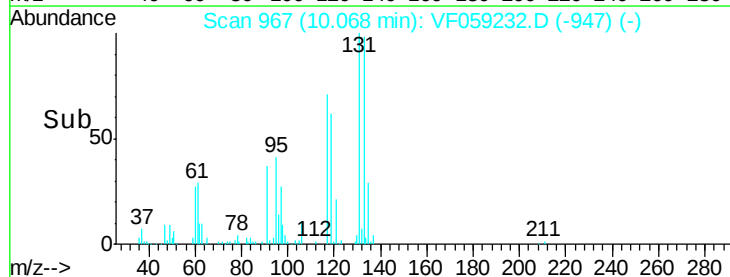
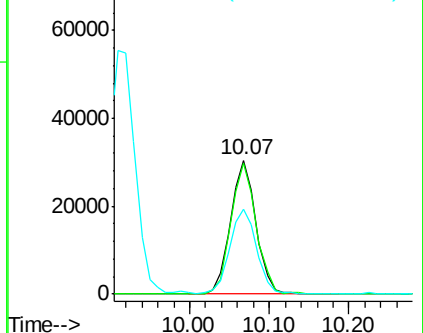
119 63.4 34.3 102.8

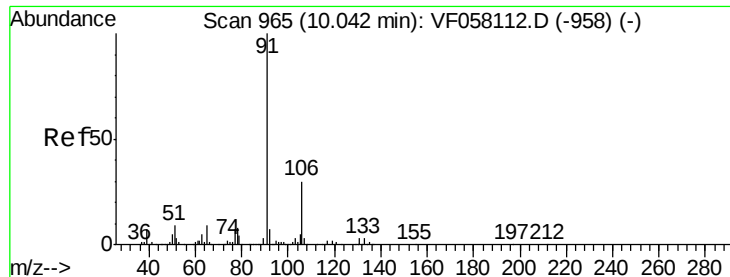


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.069 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

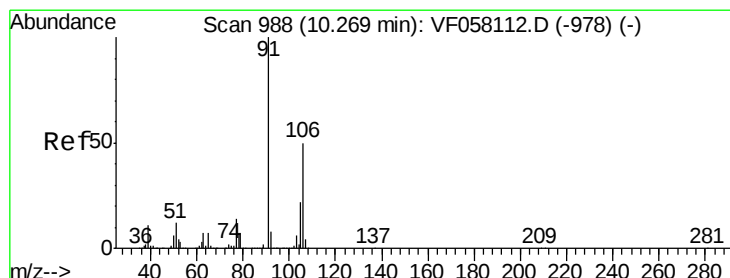
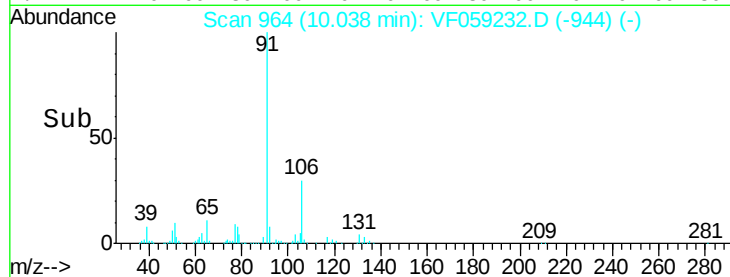
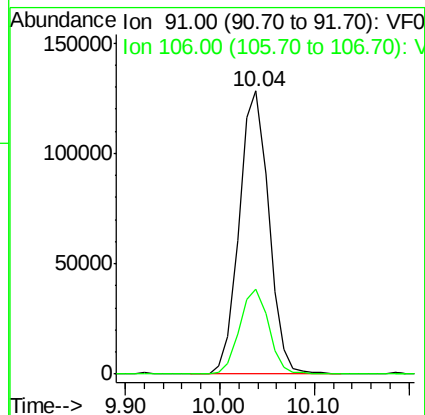
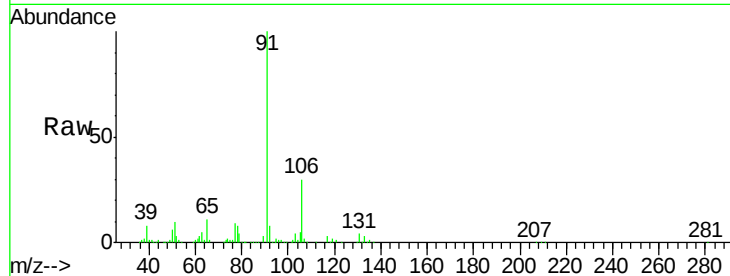
ClientSampled :

Tot Ion: 91 Resp: 279030

Ion Ratio Lower Upper

91 100

106 30.2 24.2 36.4



#68

m/p-Xylenes

Concen: 41.081 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF059232.D

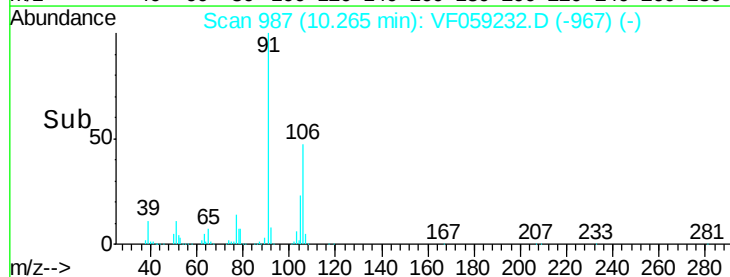
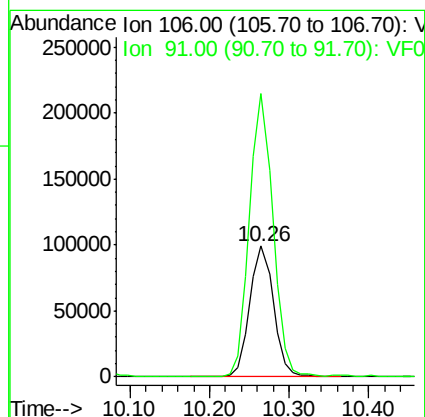
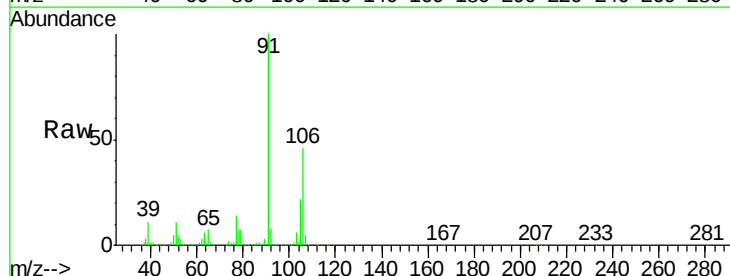
Acq: 20 Jun 2018 18:13

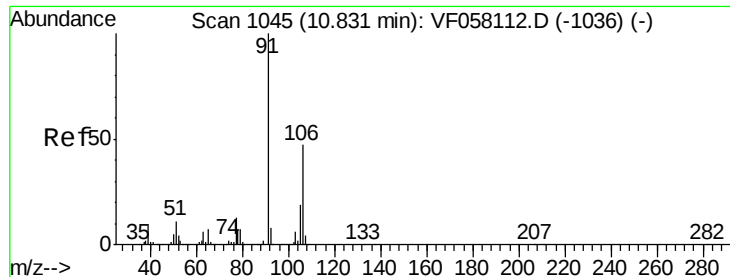
Tgt Ion: 106 Resp: 203697

Ion Ratio Lower Upper

106 100

91 216.8 160.7 241.1

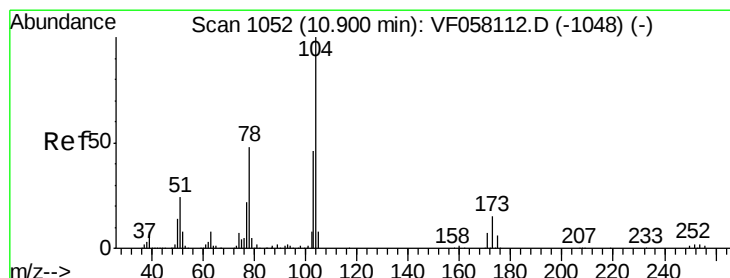
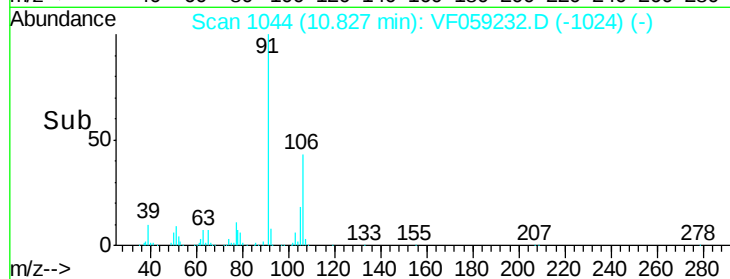
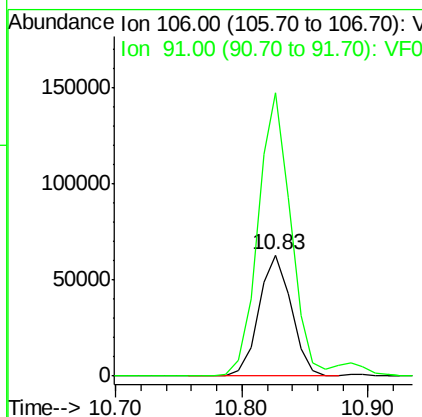
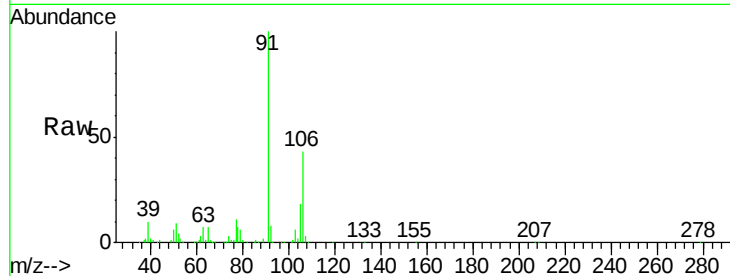




#69
o-Xylene
Concen: 21.116 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

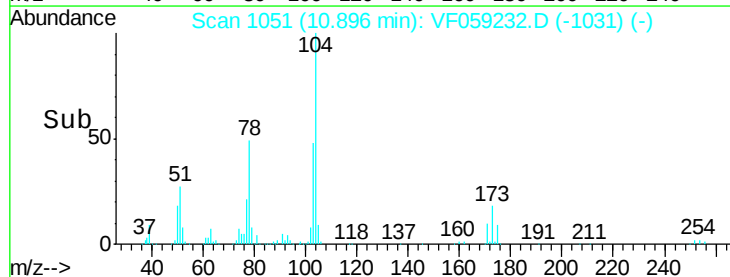
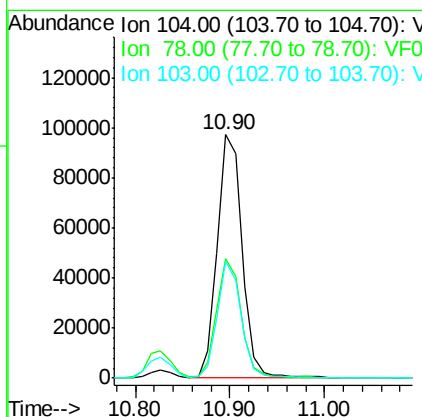
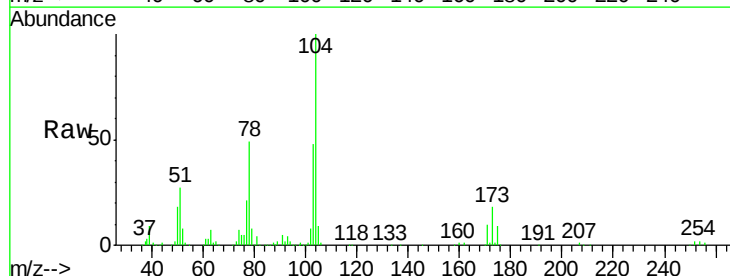
Instrument :
MSVOA_F
ClientSampled :

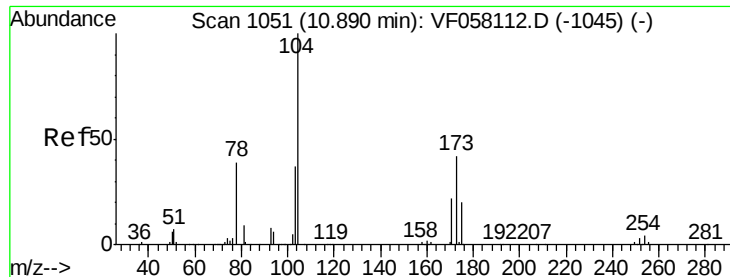
Tot Ion:106 Resp: 113159
Ion Ratio Lower Upper
106 100
91 233.8 107.0 321.0



#70
Styrene
Concen: 21.733 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion:104 Resp: 176214
Ion Ratio Lower Upper
104 100
78 48.8 38.4 57.6
103 48.0 37.0 55.6





#71

Bromoform

Concen: 22.983 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

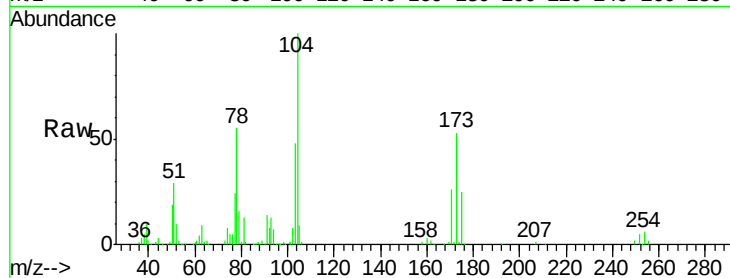
Tot Ion:173 Resp: 47323

Ion Ratio Lower Upper

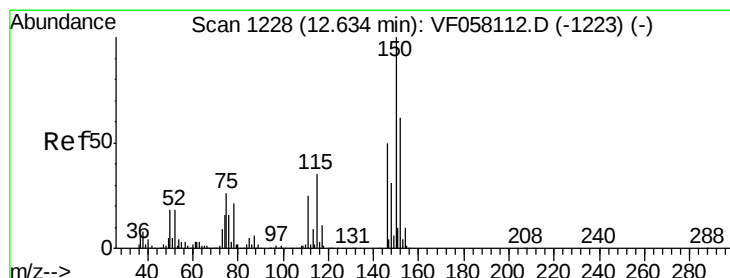
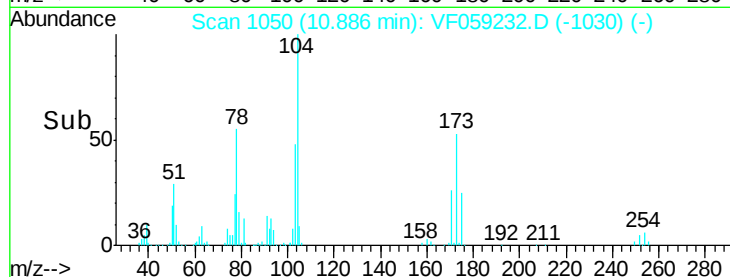
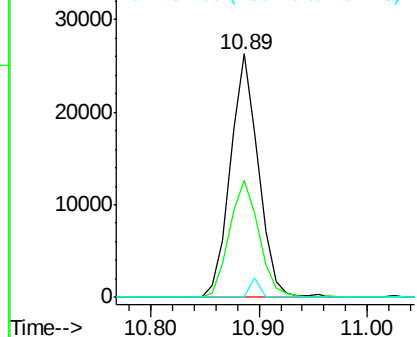
173 100

175 48.0 24.6 74.0

254 0.0 7.8 11.8#



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: VF059232.D

Acq: 20 Jun 2018 18:13

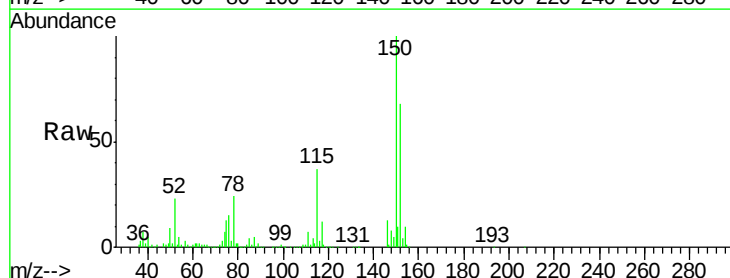
Tgt Ion:152 Resp: 241612

Ion Ratio Lower Upper

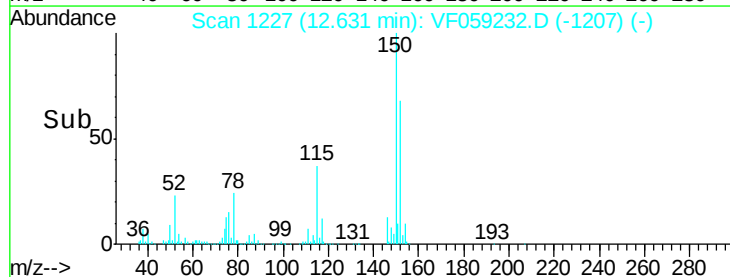
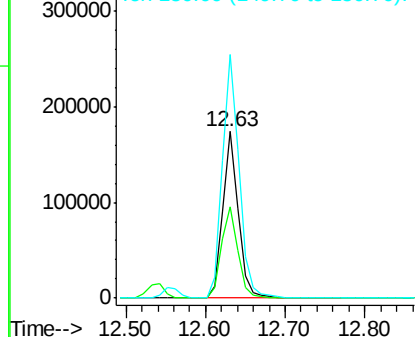
152 100

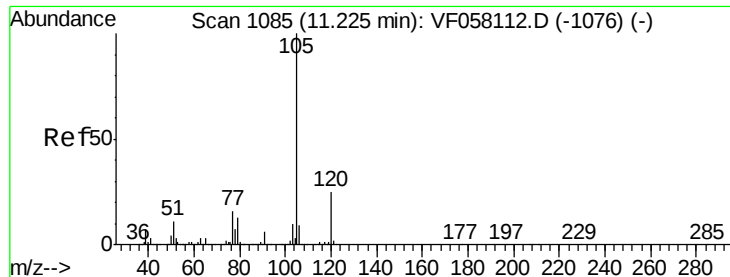
115 54.6 28.5 85.5

150 146.1 0.0 323.8



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: 20.196 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

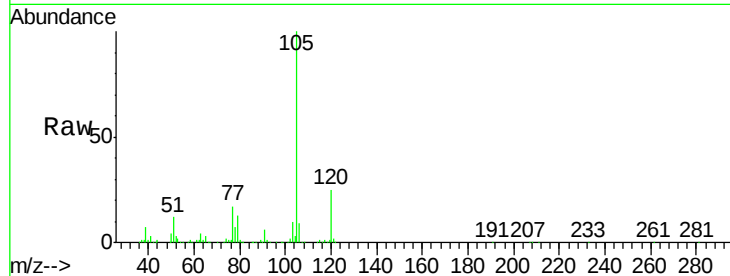
ClientSampleId :

Tot Ion:105 Resp: 337832

Ion Ratio Lower Upper

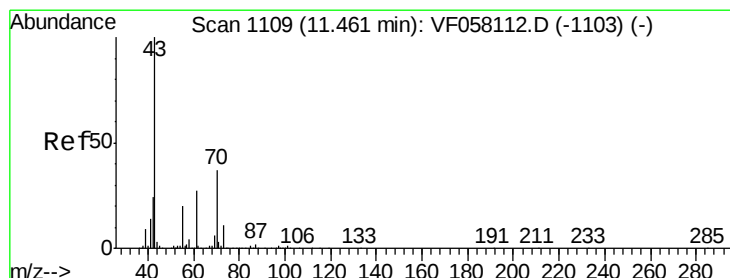
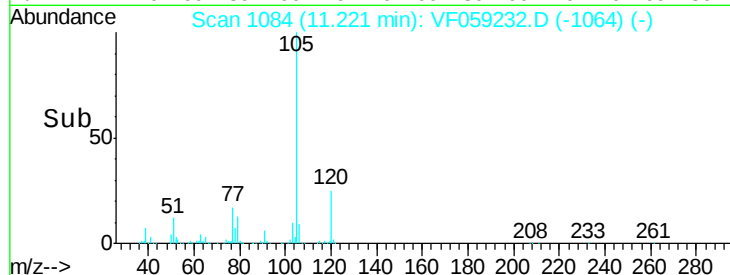
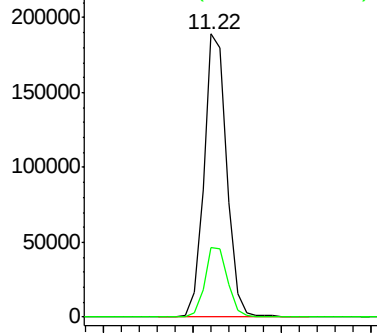
105 100

120 24.5 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.982 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Tgt Ion: 43 Resp: 113423

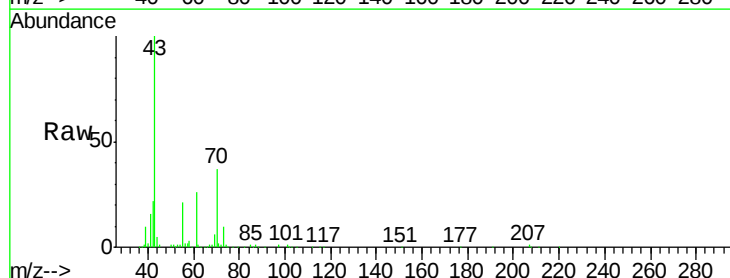
Ion Ratio Lower Upper

43 100

70 36.5 29.2 43.8

55 21.2 15.8 23.6

61 25.6 21.3 31.9

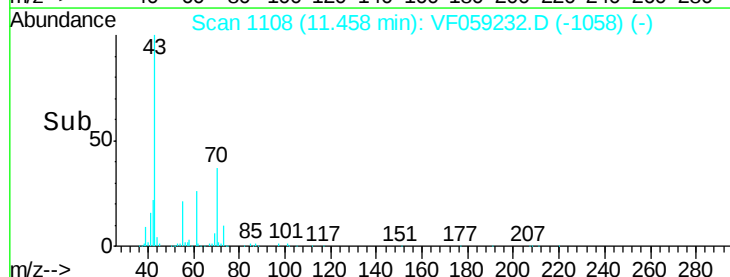
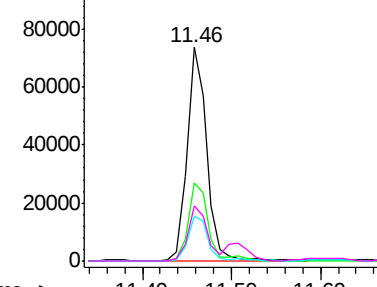


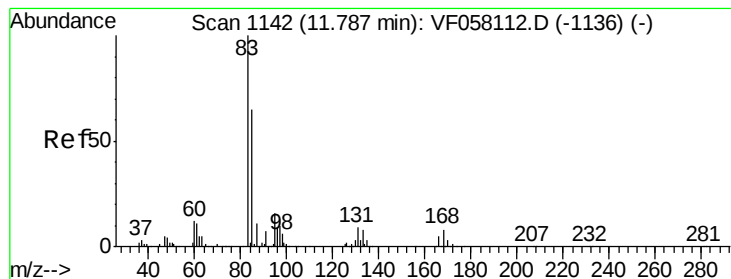
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 19.277 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

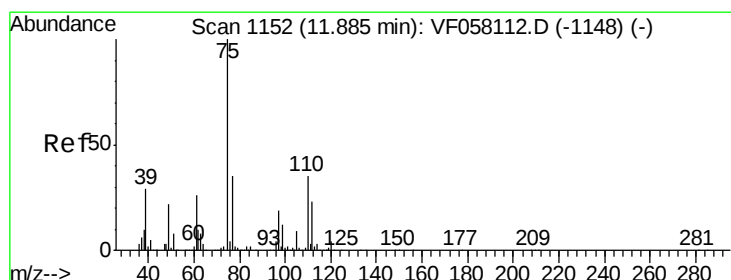
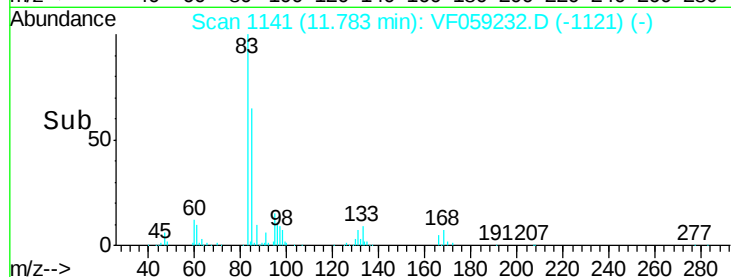
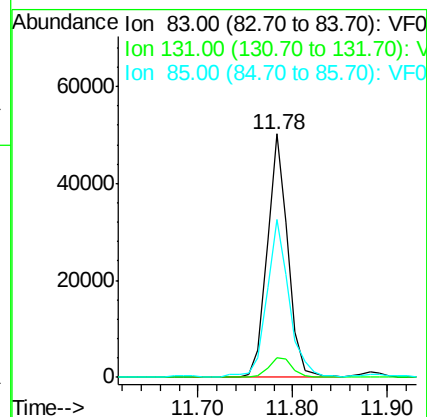
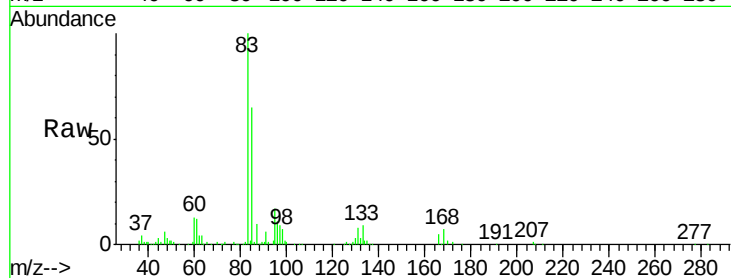
Tot Ion: 83 Resp: 76449

Ion Ratio Lower Upper

83 100

131 8.0 4.5 13.7

85 64.9 32.8 98.3



#76

1,2,3-Trichloropropane

Concen: 19.832 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059232.D

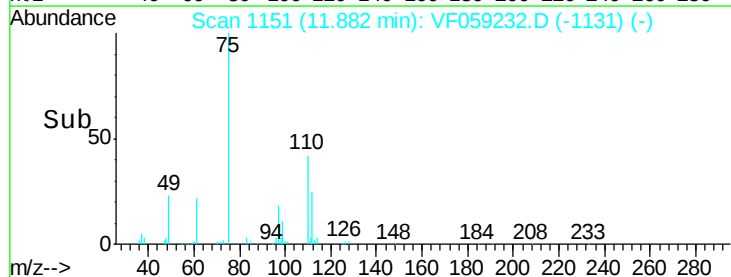
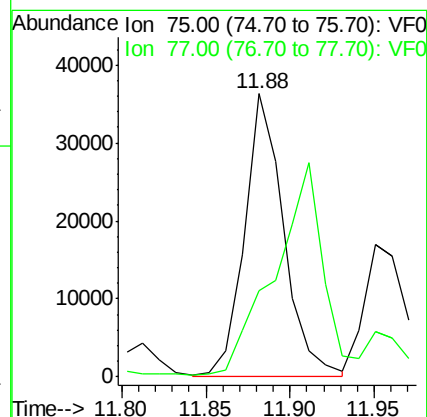
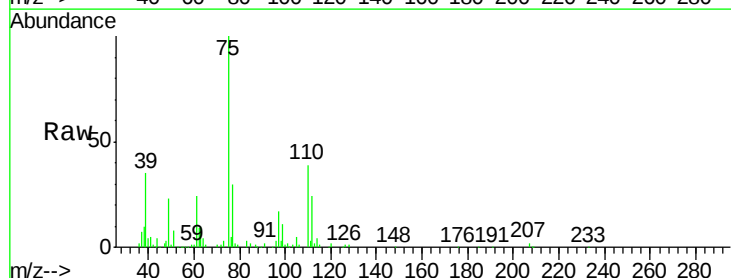
Acq: 20 Jun 2018 18:13

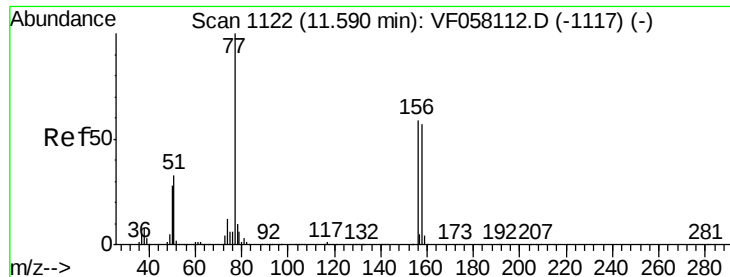
Tgt Ion: 75 Resp: 58087

Ion Ratio Lower Upper

75 100

77 30.4 17.5 52.5





#77

Bromobenzene

Concen: 20.556 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

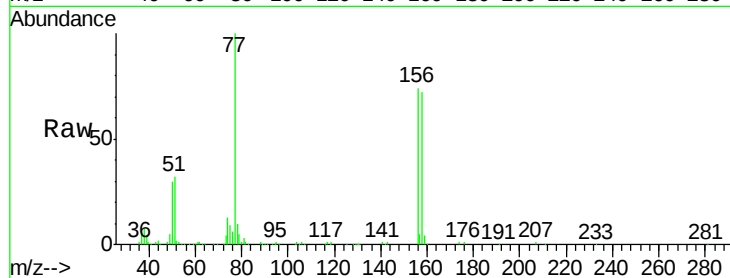
Tot Ion:156 Resp: 86541

Ion Ratio Lower Upper

156 100

77 135.5 84.8 254.4

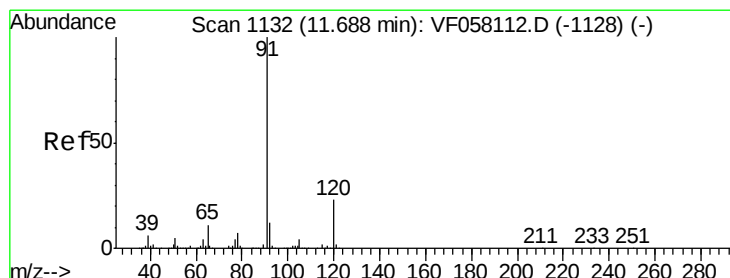
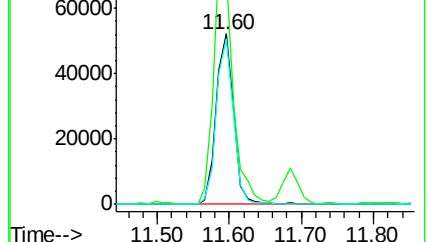
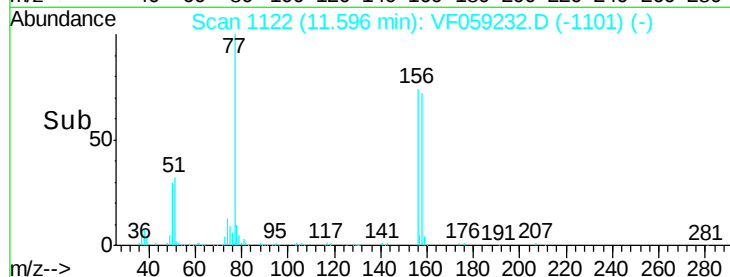
158 97.3 47.9 143.7



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: 19.896 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059232.D

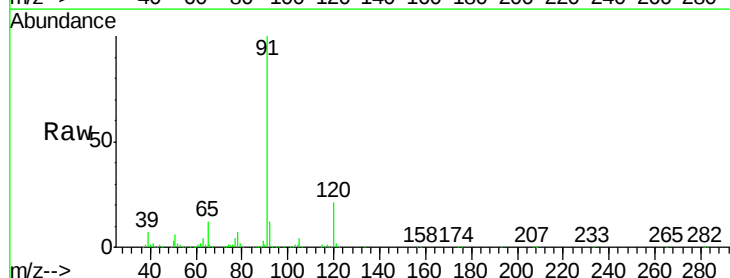
Acq: 20 Jun 2018 18:13

Tgt Ion: 91 Resp: 393931

Ion Ratio Lower Upper

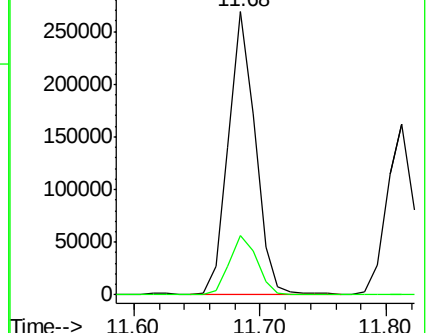
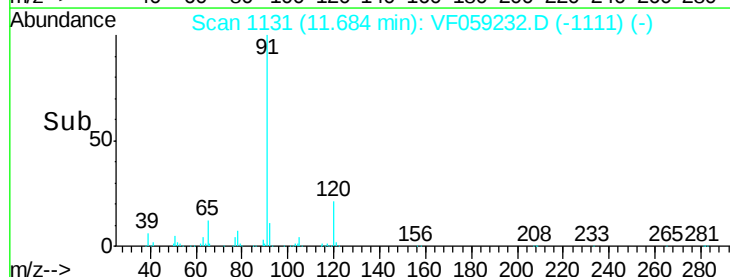
91 100

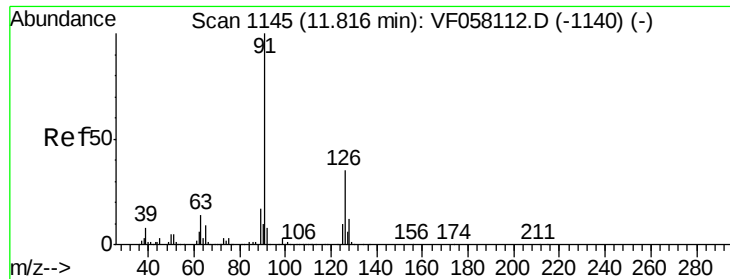
120 20.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

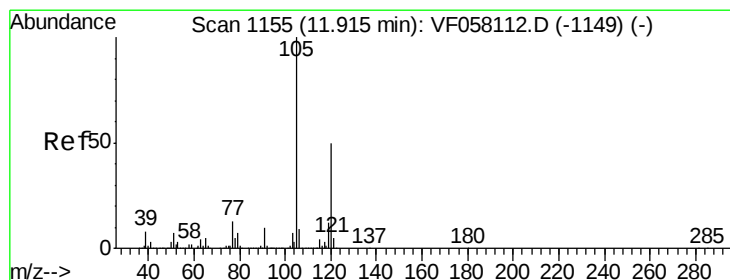
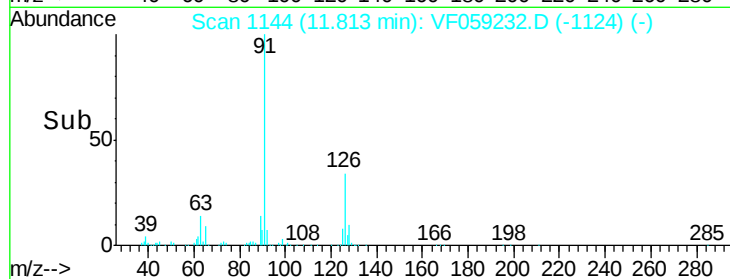
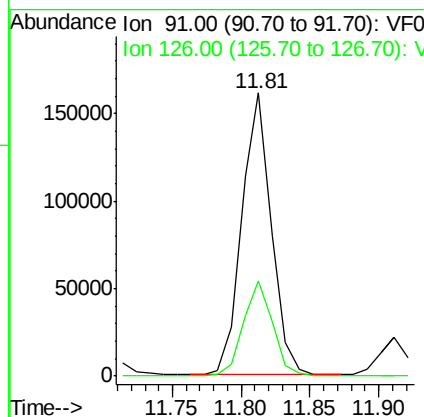
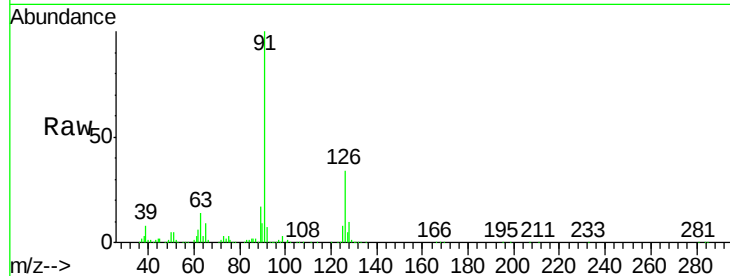




#79
2-Chlorotoluene
Concen: 20.621 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

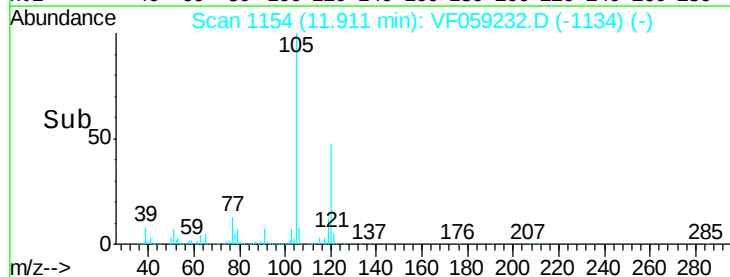
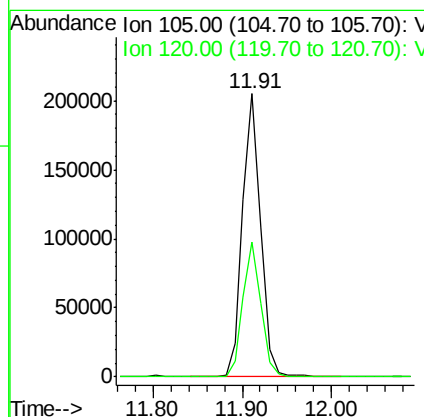
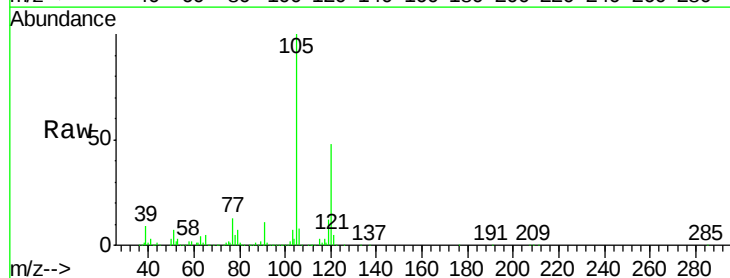
Instrument :
MSVOA_F
ClientSampleId :

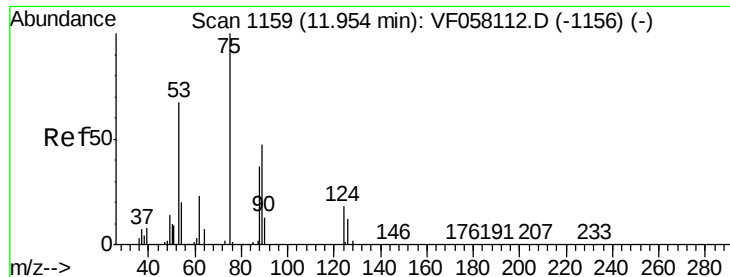
Tot Ion: 91 Resp: 241199
Ion Ratio Lower Upper
91 100
126 33.6 17.6 52.9



#80
1,3,5-Trimethylbenzene
Concen: 21.126 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion:105 Resp: 292494
Ion Ratio Lower Upper
105 100
120 47.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.220 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

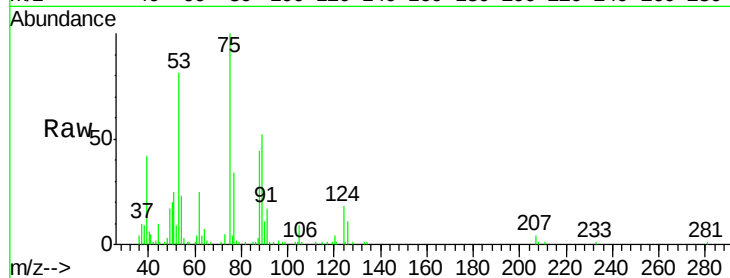
Tot Ion: 75 Resp: 36499

Ion Ratio Lower Upper

75 100

53 81.2 58.7 88.1

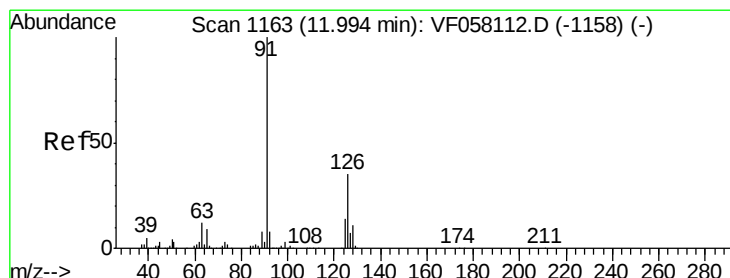
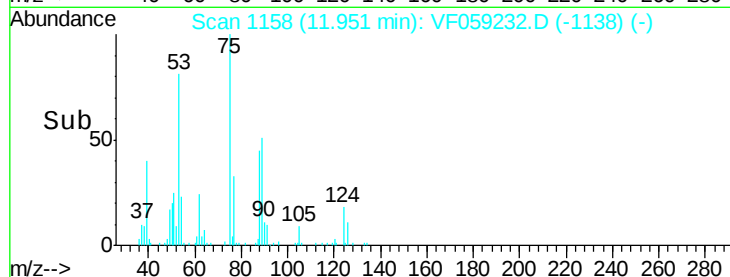
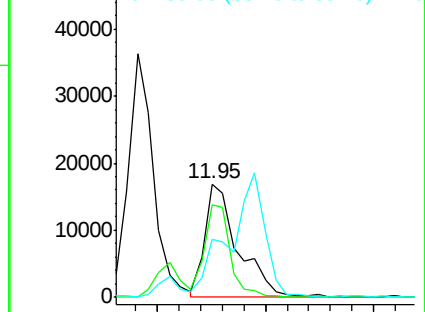
89 51.6 39.8 59.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 20.862 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VF059232.D

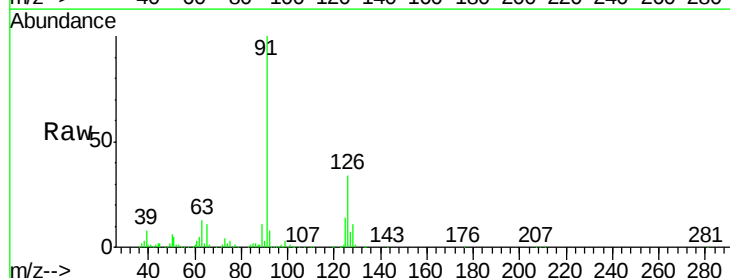
Acq: 20 Jun 2018 18:13

Tgt Ion: 91 Resp: 259792

Ion Ratio Lower Upper

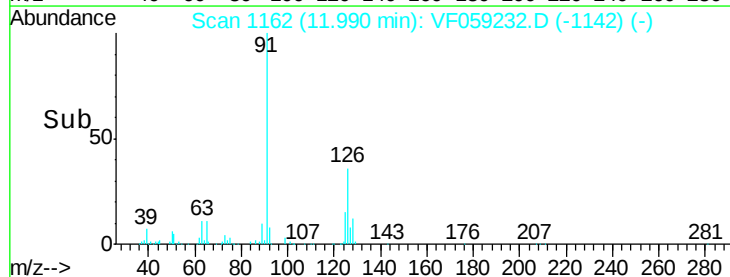
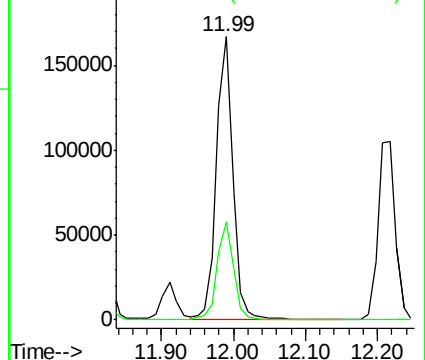
91 100

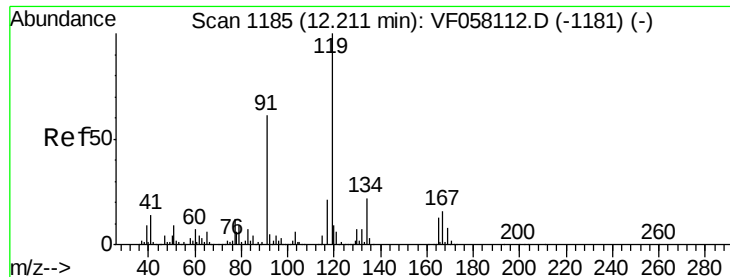
126 34.4 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 21.026 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

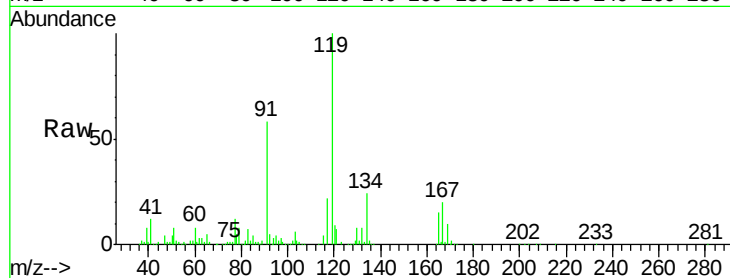
Tot Ion:119 Resp: 289052

Ion Ratio Lower Upper

119 100

91 58.1 30.4 91.3

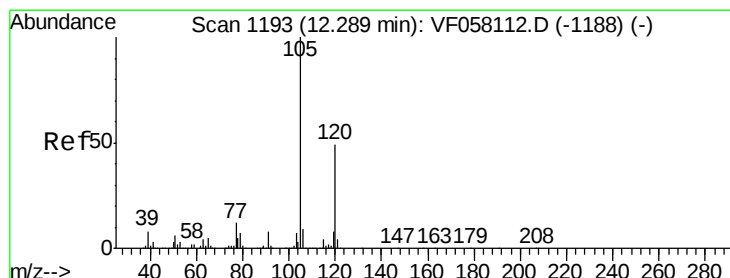
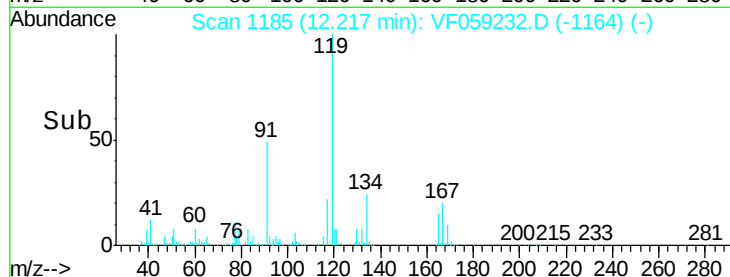
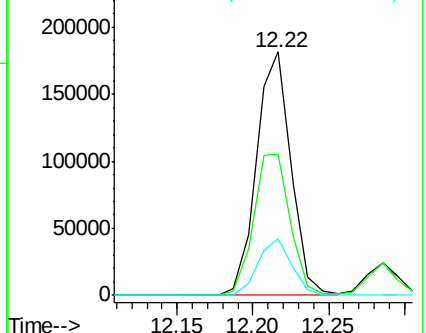
134 23.5 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.021 ug/l

RT: 12.29 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VF059232.D

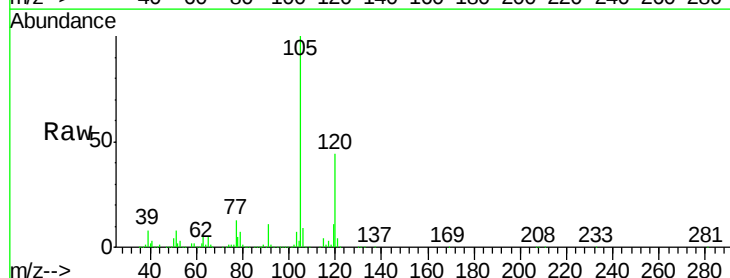
Acq: 20 Jun 2018 18:13

Tgt Ion:105 Resp: 301551

Ion Ratio Lower Upper

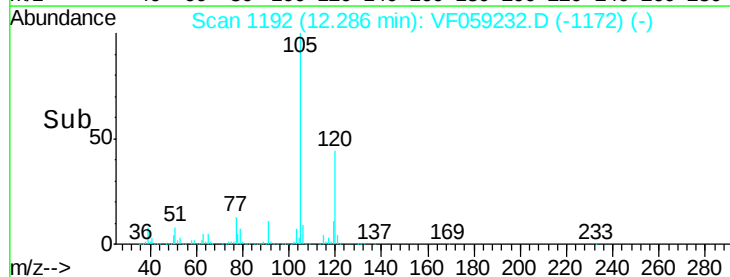
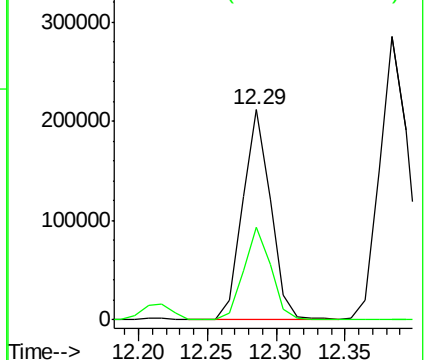
105 100

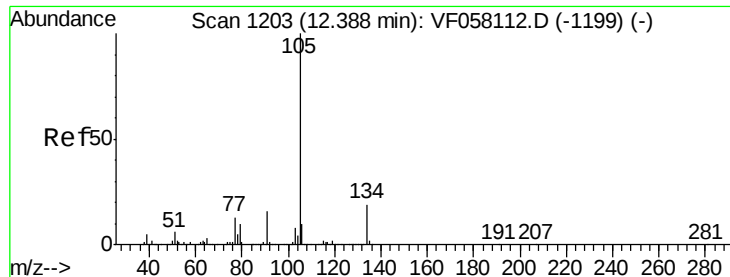
120 44.2 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.412 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

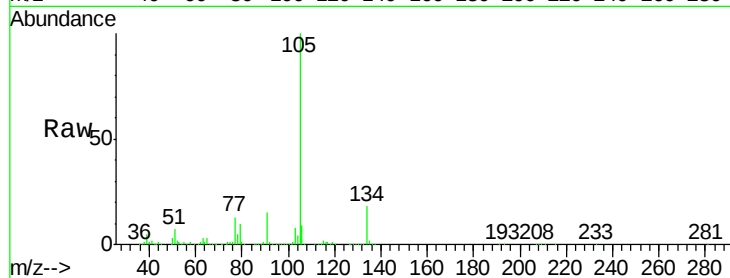
ClientSampleId :

Tot Ion:105 Resp: 418646

Ion Ratio Lower Upper

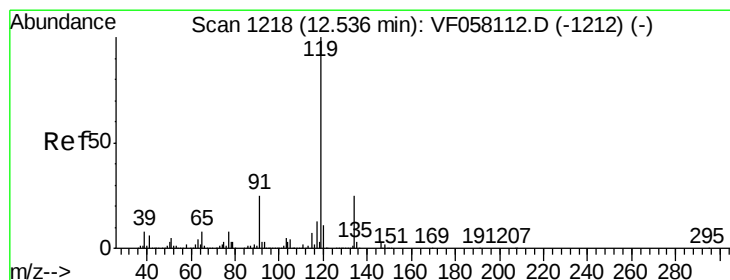
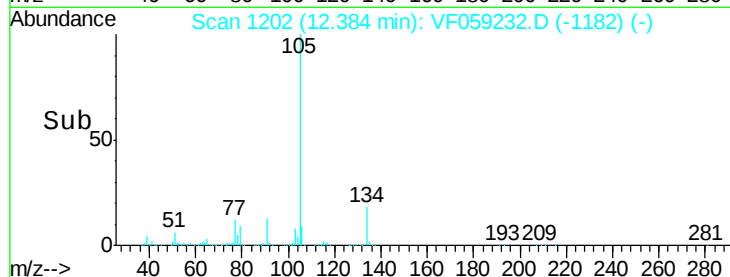
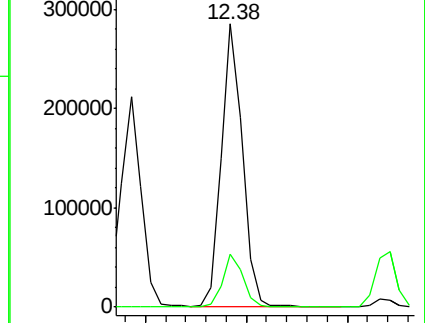
105 100

134 18.5 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.836 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

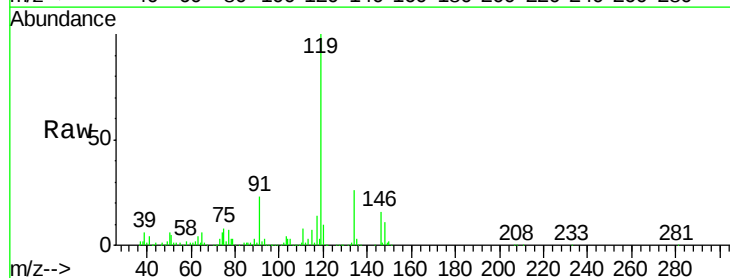
Tgt Ion:119 Resp: 335019

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.0

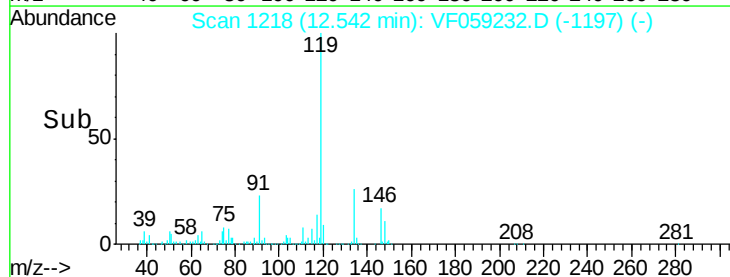
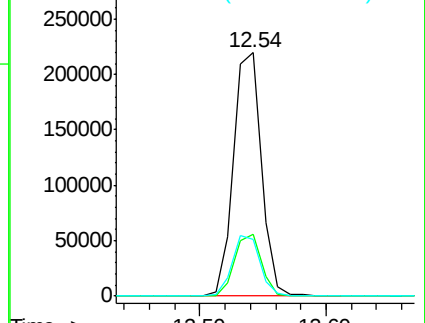
91 23.5 12.6 37.6

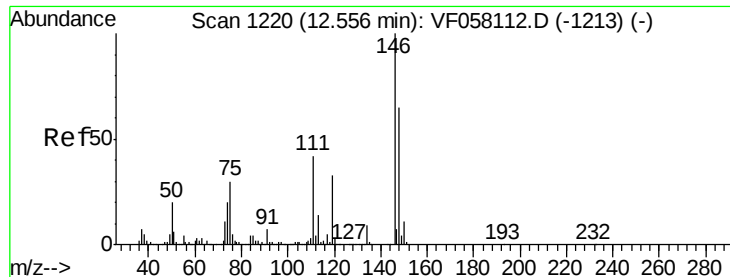


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

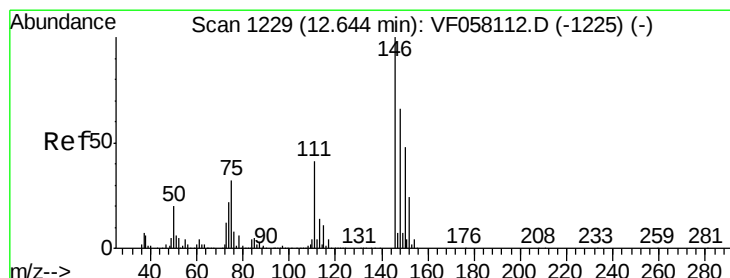
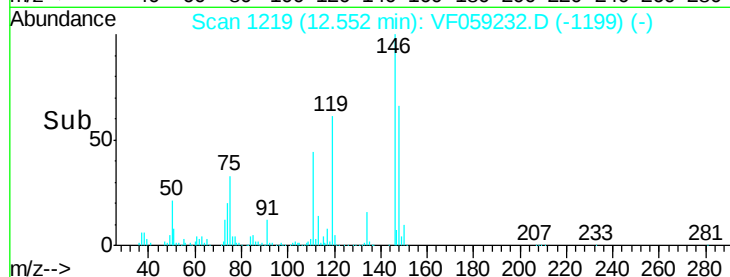
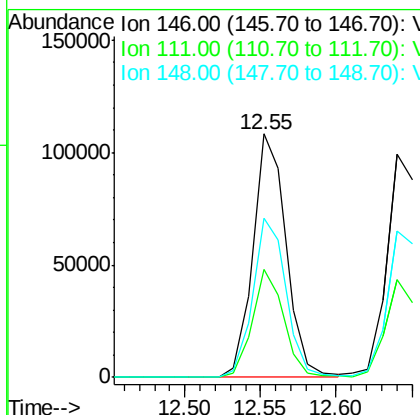
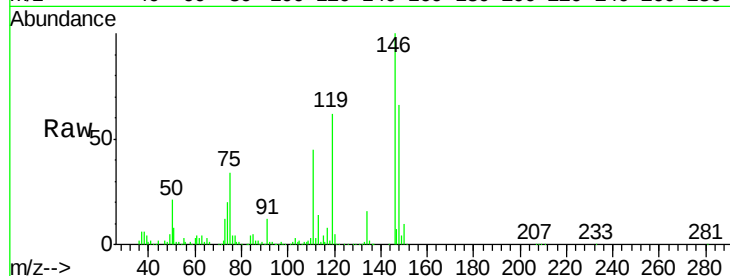




#87
 1,3-Dichlorobenzene
 Concen: 21.411 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

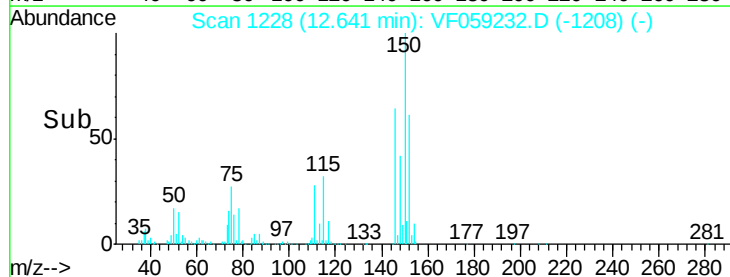
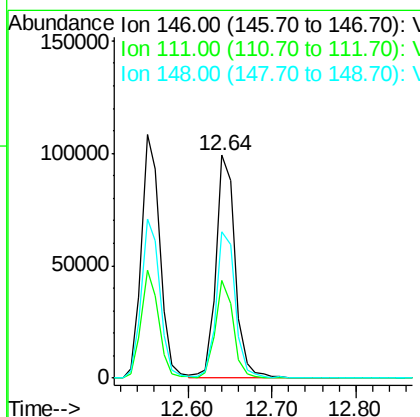
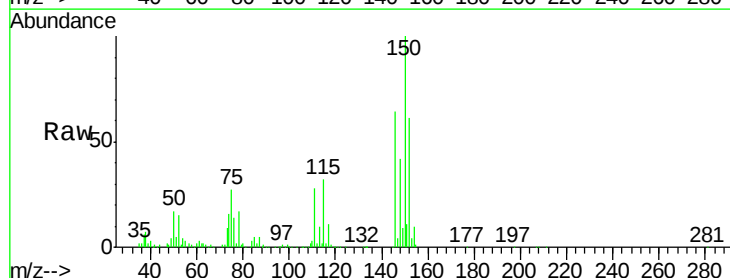
Instrument :
 MSVOA_F
 ClientSampled :

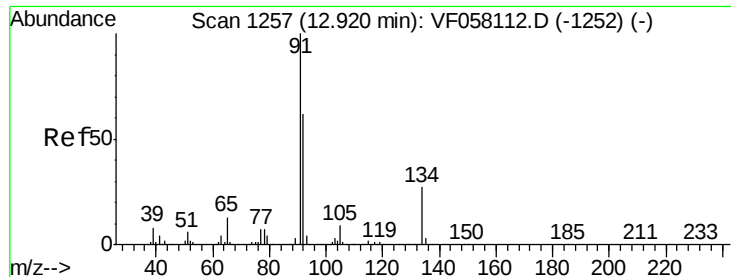
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	20.8	62.5
148	65.5	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 20.996 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.4	61.2
148	65.8	33.0	99.0

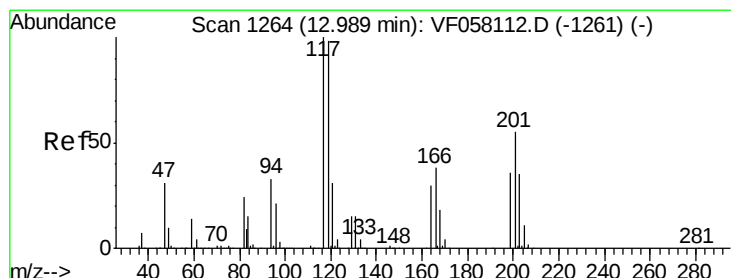
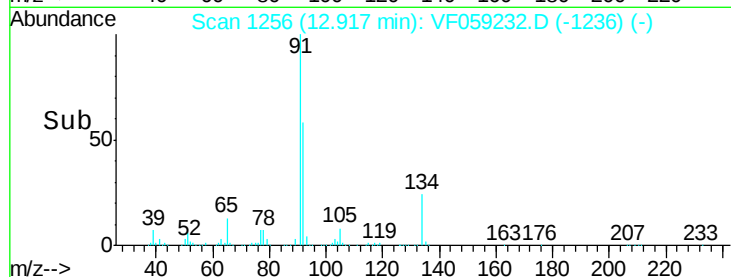
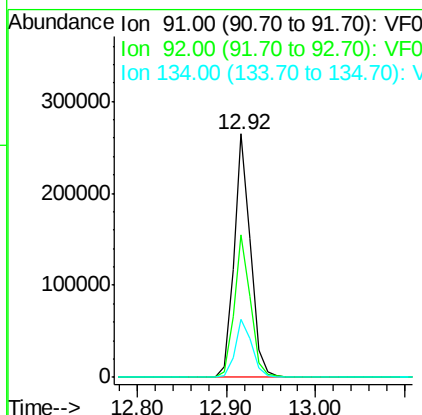
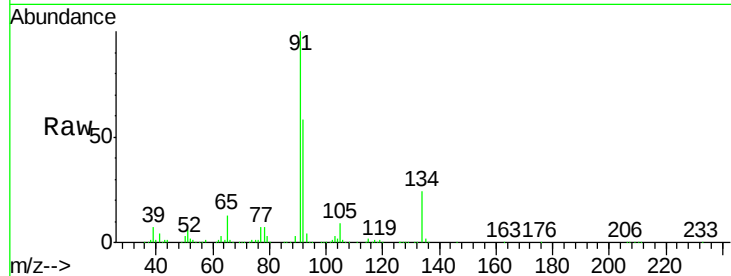




#89
n-Butylbenzene
Concen: 19.783 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

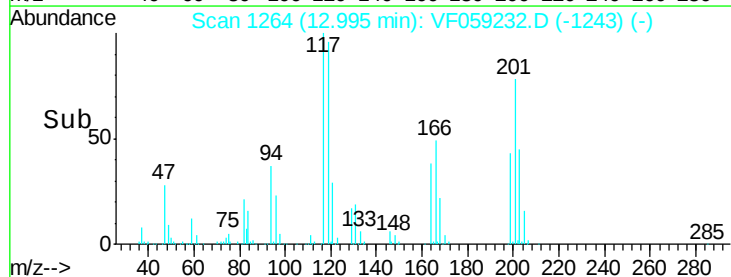
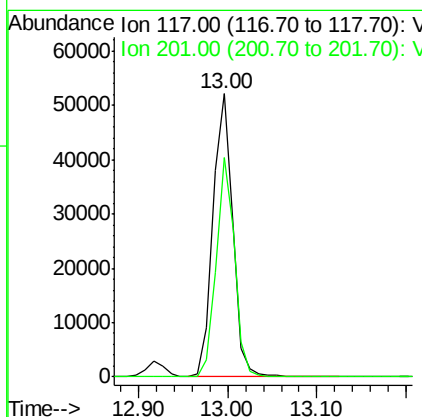
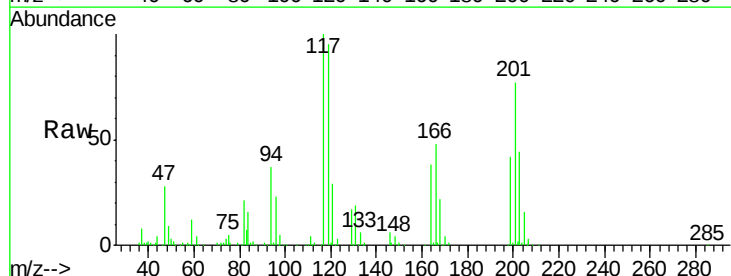
Instrument :
MSVOA_F
ClientSampleId :

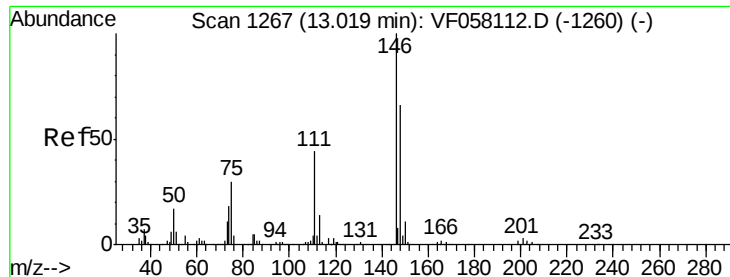
Tot Ion: 91 Resp: 345811
Ion Ratio Lower Upper
91 100
92 58.4 31.1 93.5
134 24.0 13.6 40.8



#90
Hexachloroethane
Concen: 21.189 ug/l
RT: 13.00 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion: 117 Resp: 80058
Ion Ratio Lower Upper
117 100
201 77.5 27.5 82.4

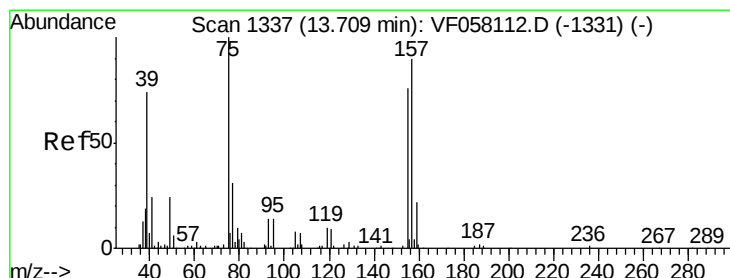
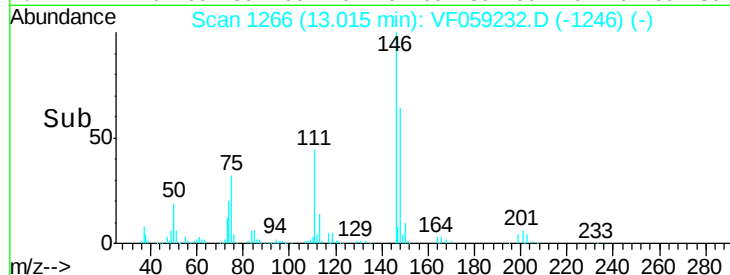
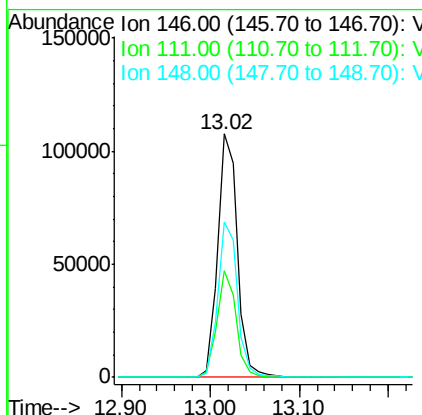
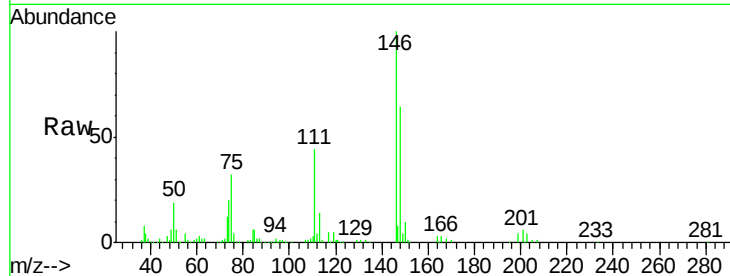




#91
 1,2-Dichlorobenzene
 Concen: 22.375 ug/l
 RT: 13.02 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

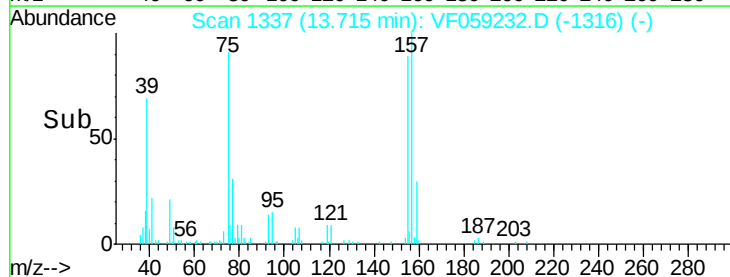
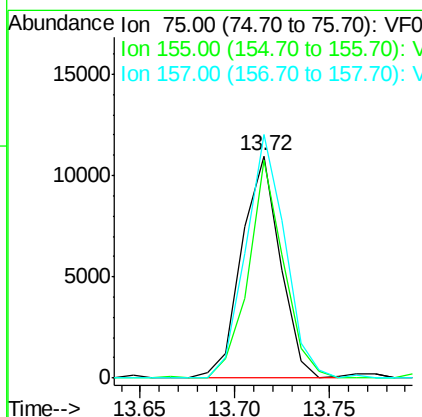
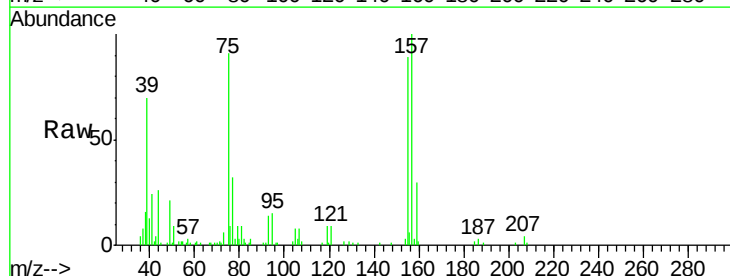
Instrument :
 MSVOA_F
 ClientSampleId :

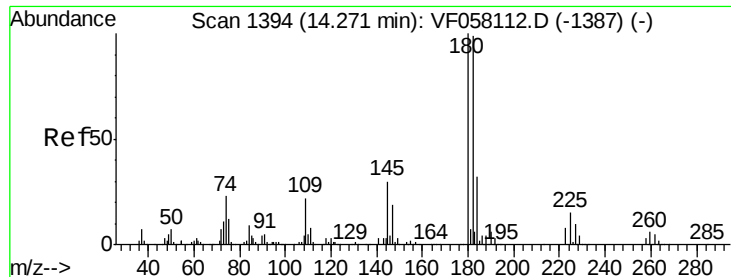
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.0	66.0
148	64.0	33.1	99.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.879 ug/l
 RT: 13.72 min Scan# 1337
 Delta R.T. 0.01 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.1	38.0	114.0
157	113.4	45.1	135.5

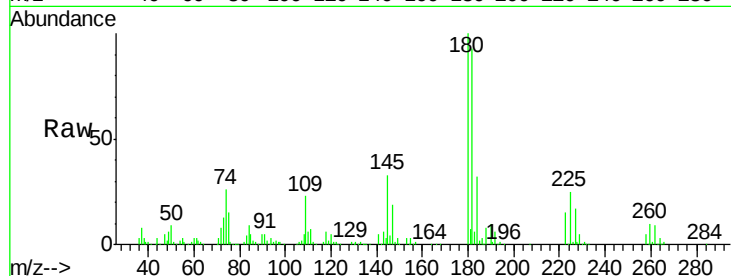




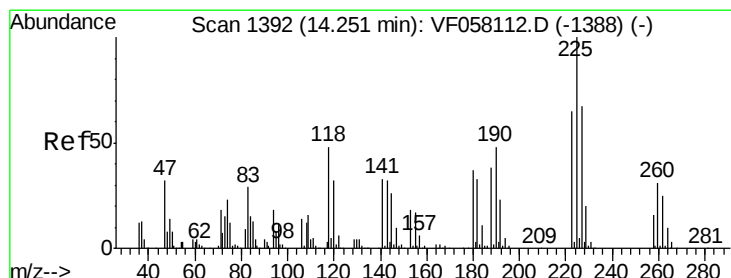
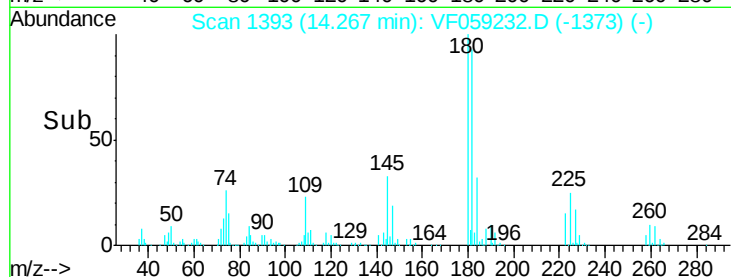
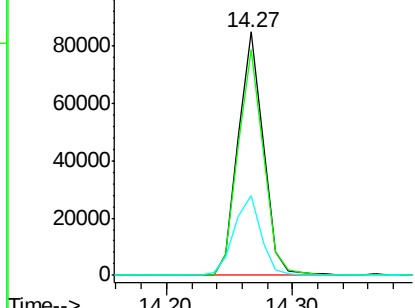
#93
 1,2,4-Trichlorobenzene
 Concen: 22.381 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	49.3	147.9
145	32.5	14.9	44.9

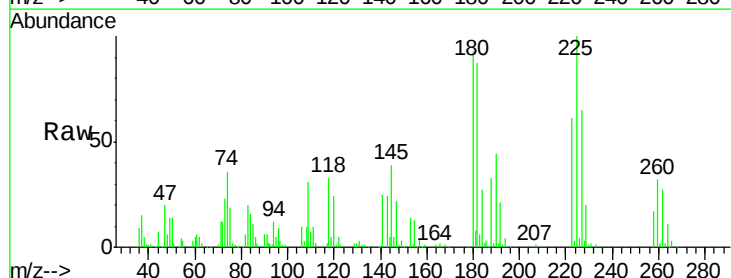


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

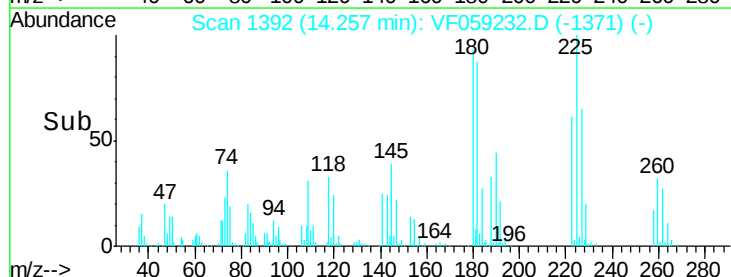
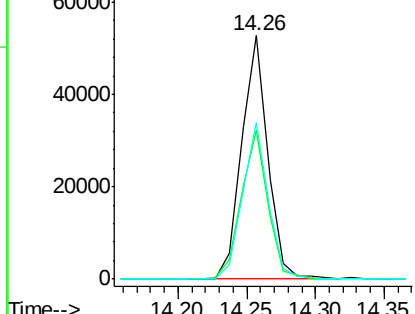


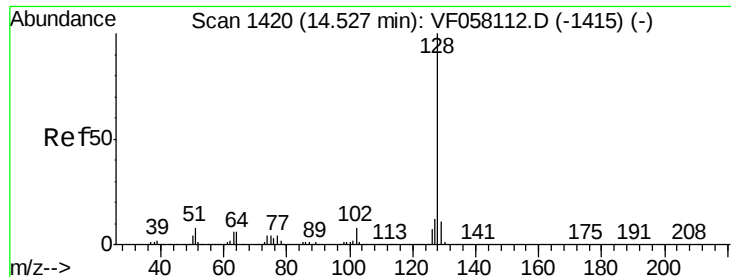
#94
 Hexachlorobutadiene
 Concen: 22.965 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	32.8	98.3
227	64.5	33.3	99.9



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 20.576 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

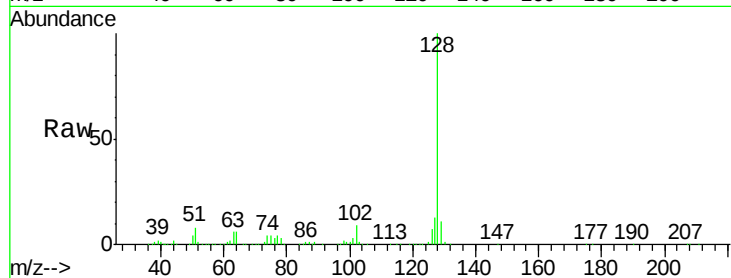
Tot Ion:128 Resp: 230173

Ion Ratio Lower Upper

128 100

127 12.7 9.9 14.9

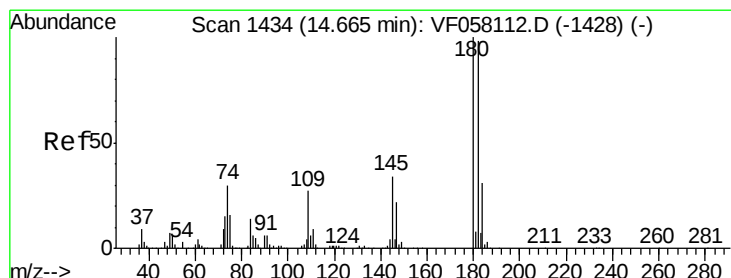
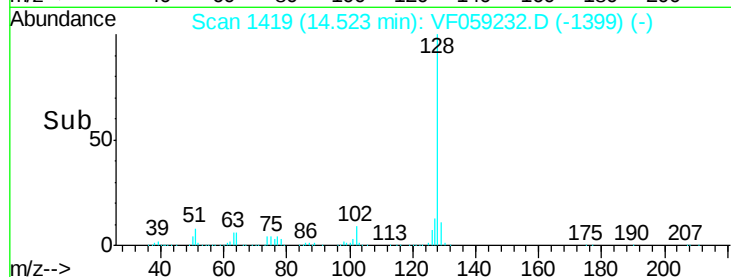
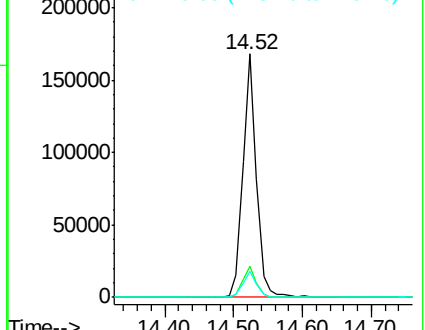
129 10.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.952 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

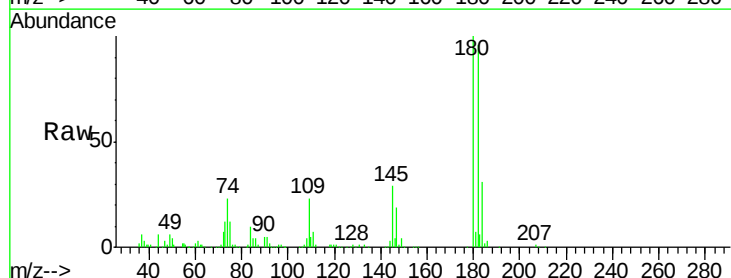
Tgt Ion:180 Resp: 106243

Ion Ratio Lower Upper

180 100

182 96.4 48.9 146.6

145 28.9 17.3 51.7



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

