

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059229.D
 Acq On : 20 Jun 2018 15:39
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 21 06:36:36 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	5.03	168	251029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	388085	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	399380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	236627	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	177422	58.28	ug/l	0.00
Spiked Amount			Recovery	=	116.56%	
35) Dibromofluoromethane	4.29	113	152003	55.82	ug/l	0.00
Spiked Amount			Recovery	=	111.64%	
50) Toluene-d8	7.71	98	383521	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
62) 4-Bromofluorobenzene	11.51	95	218102	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	139204	48.995	ug/l	98
3) Chloromethane	1.08	50	90856	41.283	ug/l	95
4) Vinyl Chloride	1.15	62	88638	44.641	ug/l	99
5) Bromomethane	1.34	94	56569	48.896	ug/l	95
6) Chloroethane	1.43	64	42930	52.109	ug/l	99
7) Trichlorofluoromethane	1.49	101	51956	16.834	ug/l	96
8) Diethyl Ether	1.70	74	45609	58.736	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.89	101	91966	46.755	ug/l	92
10) Methyl Iodide	1.96	142	180004	52.300	ug/l	97
11) Tert butyl alcohol	2.68	59	58759	301.223	ug/l	98
12) 1,1-Dichloroethene	1.85	96	86631	52.375	ug/l	95
13) Acrolein	2.09	56	41250	244.314	ug/l	100
14) Allyl chloride	2.19	41	165690	51.037	ug/l	92
15) Acrylonitrile	3.07	53	100376	259.087	ug/l #	91
16) Acetone	2.33	43	269149	370.272	ug/l	94
17) Carbon Disulfide	1.86	76	203030	43.718	ug/l	98
18) Methyl Acetate	2.44	43	87578	70.085	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	319716	62.265	ug/l	97
20) Methylene Chloride	2.27	84	44411	25.517	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	91452	50.414	ug/l	90
22) Diisopropyl ether	2.93	45	350968	54.995	ug/l	99
23) Vinyl Acetate	3.34	43	1291325	306.891	ug/l	98
24) 1,1-Dichloroethane	2.99	63	215159	55.611	ug/l	100
25) 2-Butanone	4.50	43	320226	284.156	ug/l	99
26) 2,2-Dichloropropane	3.75	77	148166	52.787	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	139629	50.012	ug/l	89
28) Bromochloromethane	3.88	49	89813	51.574	ug/l #	93
29) Tetrahydrofuran	4.25	42	133891	269.638	ug/l	98
30) Chloroform	4.03	83	304417	55.001	ug/l	94
31) Cyclohexane	3.86	56	146955	43.480	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	215687	52.199	ug/l	98
36) 1,1-Dichloropropene	4.45	75	198112	52.666	ug/l	95
37) Ethyl Acetate	4.29	43	137620	59.210	ug/l #	83
38) Carbon Tetrachloride	4.16	117	260369	63.865	ug/l	98

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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)
39) Methylcyclohexane	5.62	83	185151	48.287	ug/l	97
40) Benzene	4.80	78	427328	48.942	ug/l	98
41) Methacrylonitrile	4.92	41	66378	58.129	ug/l #	88
42) 1,2-Dichloroethane	5.11	62	252302	64.429	ug/l	99
43) Isopropyl Acetate	7.10	43	169805	54.550	ug/l #	95
44) Trichloroethene	5.67	130	146128	53.563	ug/l	96
45) 1,2-Dichloropropane	6.40	63	121379	48.214	ug/l	98
46) Dibromomethane	6.25	93	109908	58.024	ug/l	91
47) Bromodichloromethane	6.54	83	252980	58.708	ug/l	97
48) Methyl methacrylate	6.87	41	114245	59.536	ug/l	94
49) 1,4-Dioxane	6.86	88	12078	857.361	ug/l	86
51) 4-Methyl-2-Pentanone	8.40	43	641708	300.776	ug/l	97
52) Toluene	7.78	92	308823	49.106	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	241698	57.917	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	262045	54.662	ug/l	94
55) 1,1,2-Trichloroethane	8.63	97	130653	57.331	ug/l	95
56) Ethyl methacrylate	8.75	69	163253	56.832	ug/l	93
57) 1,3-Dichloropropane	9.00	76	226929	58.211	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	52968	257.877	ug/l	100
59) 2-Hexanone	9.63	43	526475	311.967	ug/l	95
60) Dibromochloromethane	8.86	129	194080	59.264	ug/l	98
61) 1,2-Dibromoethane	9.14	107	157540	59.493	ug/l	99
64) Tetrachloroethene	8.30	164	149426	51.012	ug/l	95
65) Chlorobenzene	9.93	112	417717	52.819	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	169023	53.727	ug/l	99
67) Ethyl Benzene	10.03	91	673202	48.989	ug/l	99
68) m/p-Xylenes	10.27	106	491010	95.437	ug/l	96
69) o-Xylene	10.82	106	277600	49.924	ug/l	97
70) Styrene	10.90	104	419258	49.834	ug/l	99
71) Bromoform	10.89	173	127961	59.894	ug/l #	95
73) Isopropylbenzene	11.23	105	802137	48.962	ug/l	99
74) N-amyl acetate	11.46	43	296701	50.700	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	201481	51.874	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	151205	52.711	ug/l	98
77) Bromobenzene	11.59	156	213944	51.889	ug/l	92
78) n-propylbenzene	11.69	91	931029	48.013	ug/l	100
79) 2-Chlorotoluene	11.81	91	569536	49.717	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	656825	48.441	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	95089	51.127	ug/l	96
82) 4-Chlorotoluene	11.98	91	609651	49.989	ug/l	95
83) tert-Butylbenzene	12.21	119	694598	51.591	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	692351	49.280	ug/l	96
85) sec-Butylbenzene	12.39	105	921601	50.376	ug/l	98
86) p-Isopropyltoluene	12.54	119	761900	50.705	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	368860	48.456	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	385684	52.576	ug/l	99
89) n-Butylbenzene	12.92	91	779677	50.075	ug/l	97
90) Hexachloroethane	12.99	117	192739	52.087	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	387394	52.827	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	46122	60.538	ug/l	97

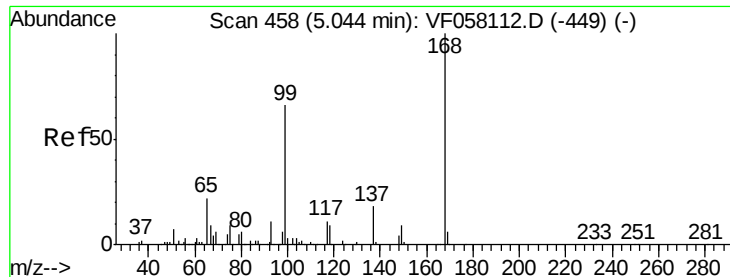
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	255968	49.904	ug/l	98
94) Hexachlorobutadiene	14.25	225	163713	55.156	ug/l	98
95) Naphthalene	14.53	128	660006	60.243	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	284937	60.115	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

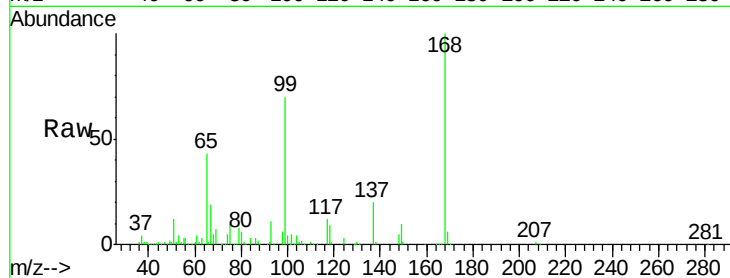
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 251029

Ion Ratio Lower Upper

168 100

99 69.9 52.9 79.3

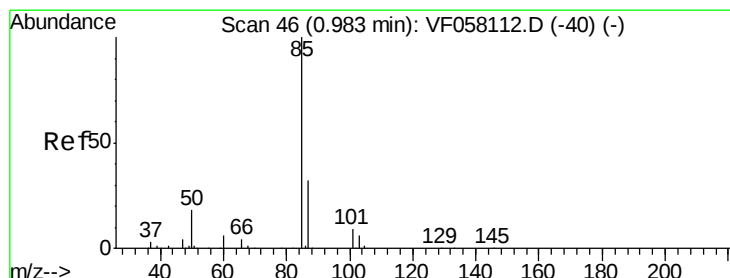
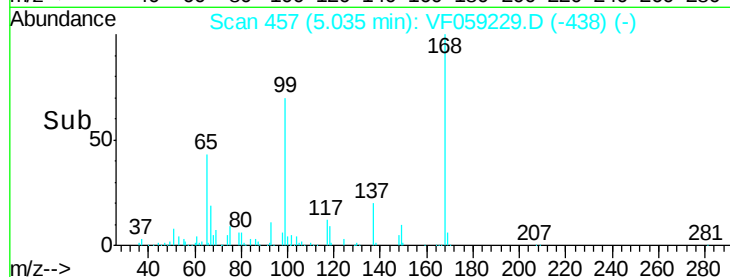


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

Time-->



#2

Dichlorodifluoromethane

Concen: 48.995 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059229.D

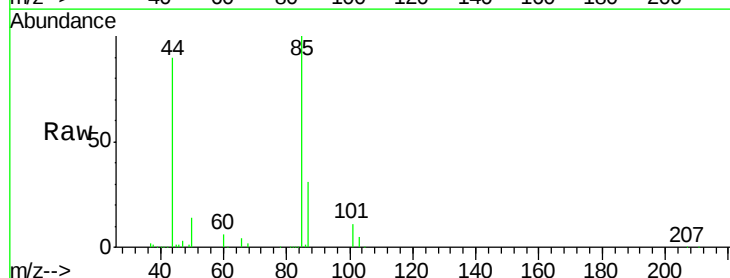
Acq: 20 Jun 2018 15:39

Tgt Ion: 85 Resp: 139204

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.6

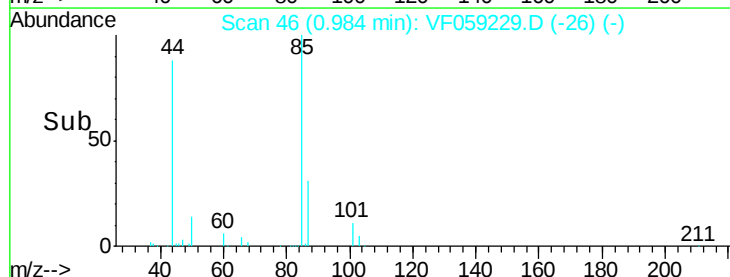


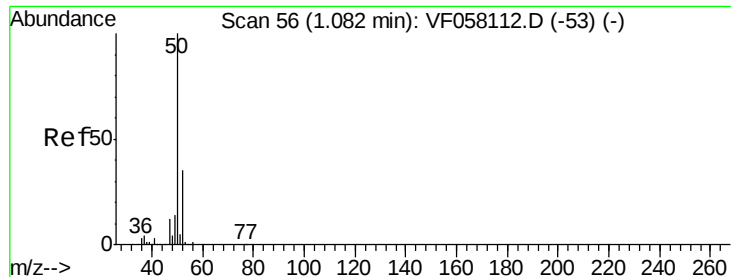
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

Time-->





#3

Chloromethane

Concen: 41.283 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

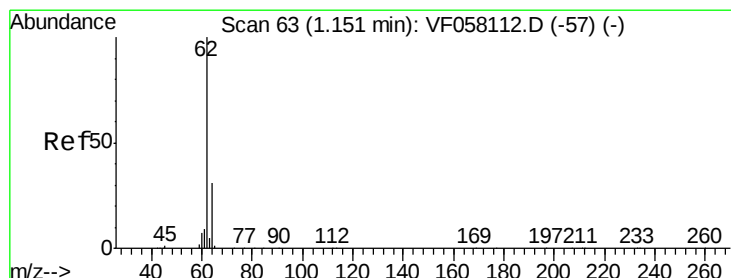
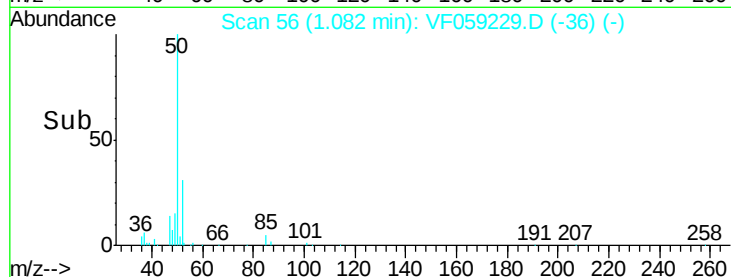
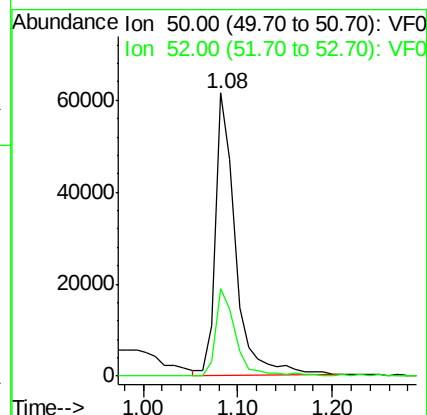
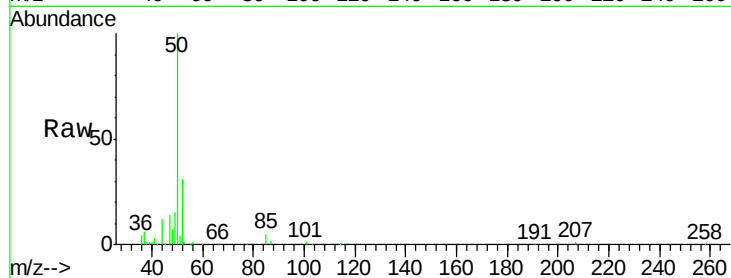
ClientSampleId :

Tot Ion: 50 Resp: 90856

Ion Ratio Lower Upper

50 100

52 31.0 27.3 40.9



#4

Vinyl Chloride

Concen: 44.641 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059229.D

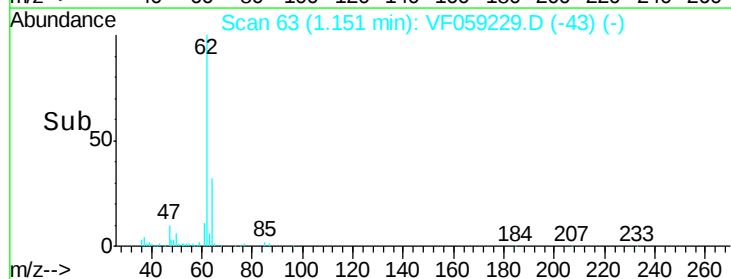
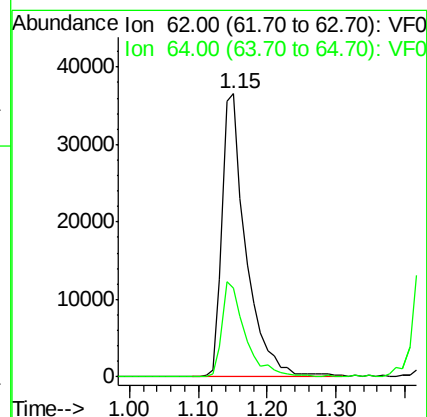
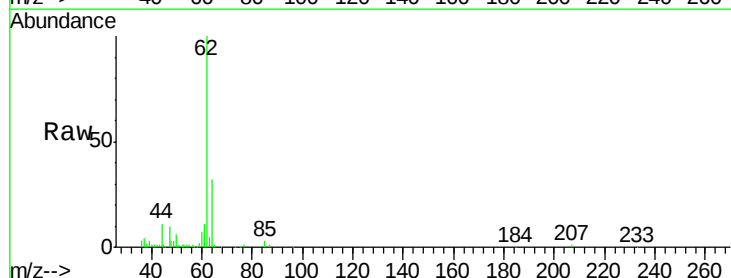
Acq: 20 Jun 2018 15:39

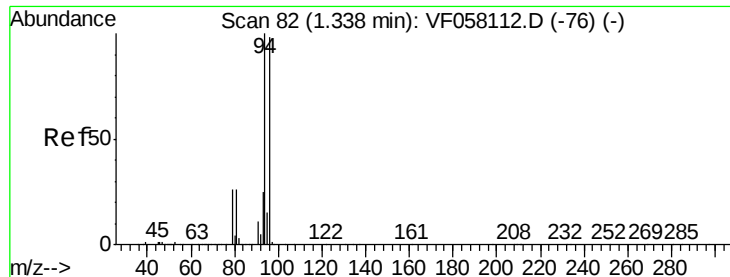
Tgt Ion: 62 Resp: 88638

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.6





#5

Bromomethane

Concen: 48.896 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

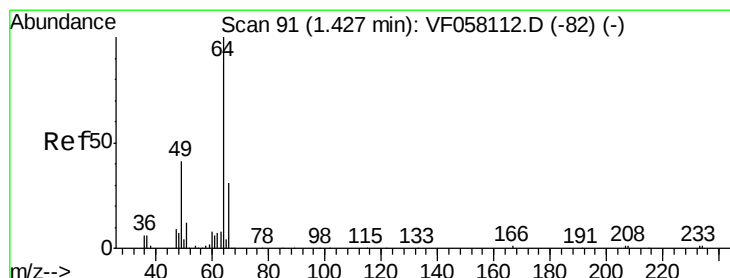
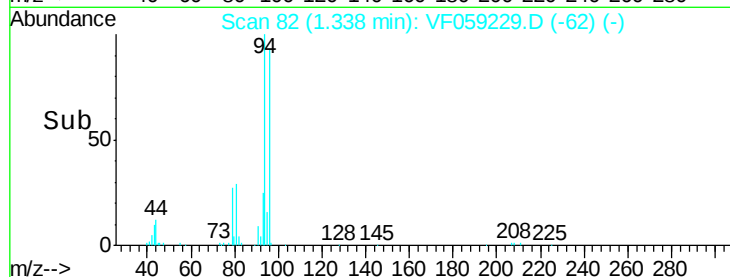
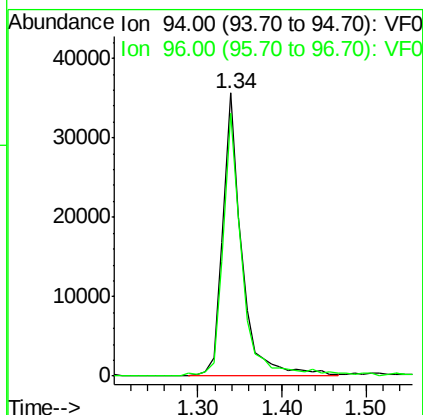
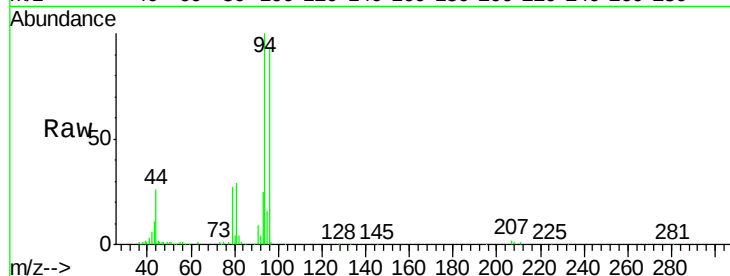
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 56569

Ion Ratio Lower Upper

94 100

96 93.0 78.6 117.8



#6

Chloroethane

Concen: 52.109 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059229.D

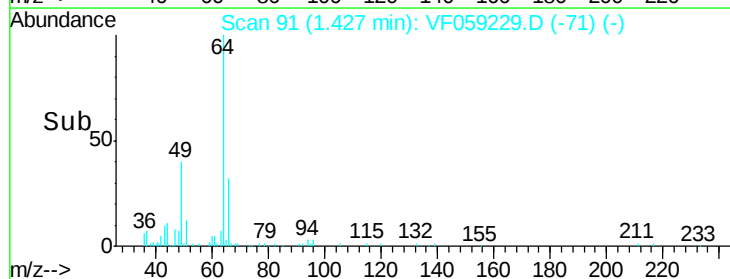
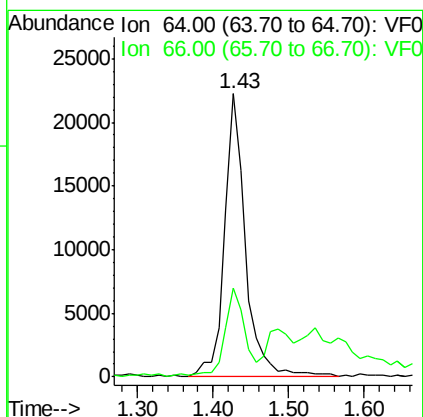
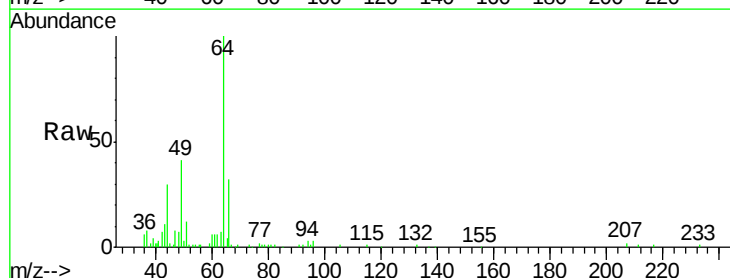
Acq: 20 Jun 2018 15:39

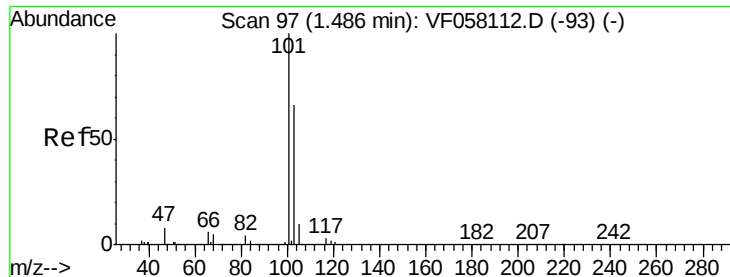
Tgt Ion: 64 Resp: 42930

Ion Ratio Lower Upper

64 100

66 31.5 24.9 37.3



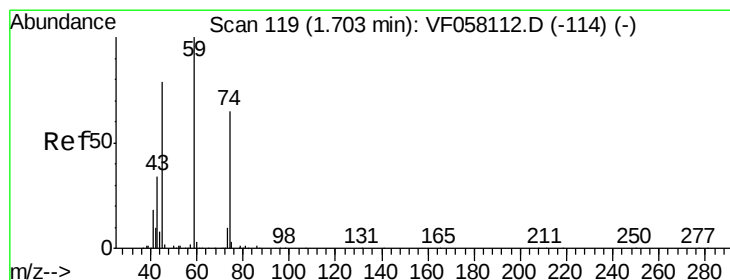
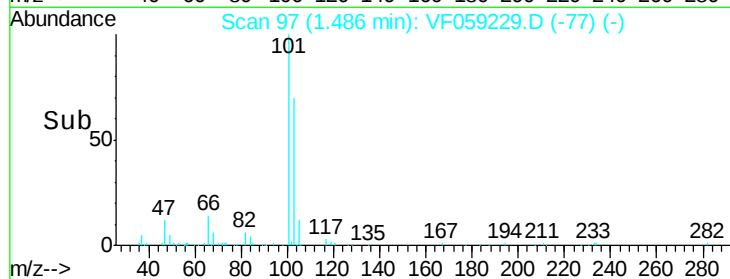
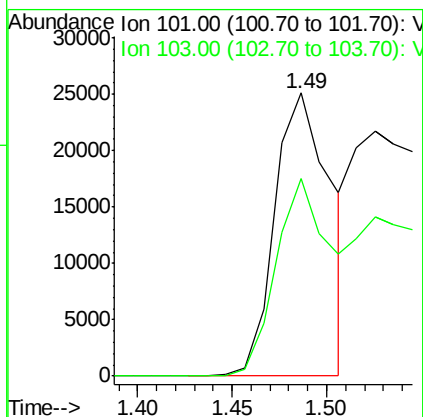
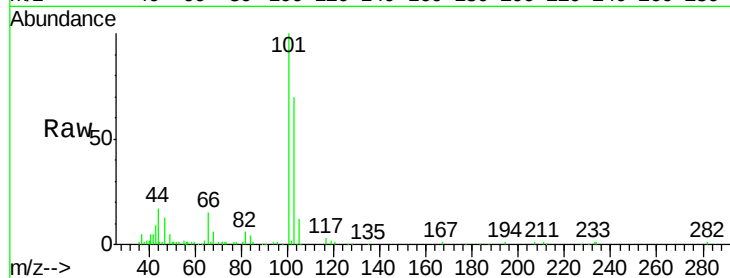


#7

Trichlorofluoromethane
Concen: 16.834 ug/l
RT: 1.49 min Scan# 97
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :

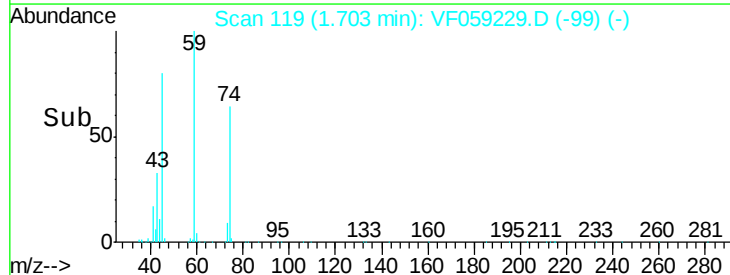
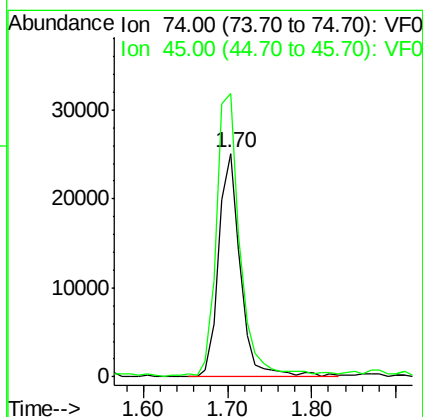
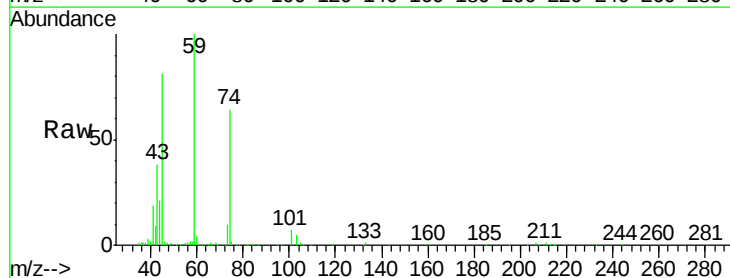
Tot Ion:101 Resp: 51956
Ion Ratio Lower Upper
101 100
103 69.7 53.4 80.2



#8

Diethyl Ether
Concen: 58.736 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion: 74 Resp: 45609
Ion Ratio Lower Upper
74 100
45 126.6 61.5 184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.755 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

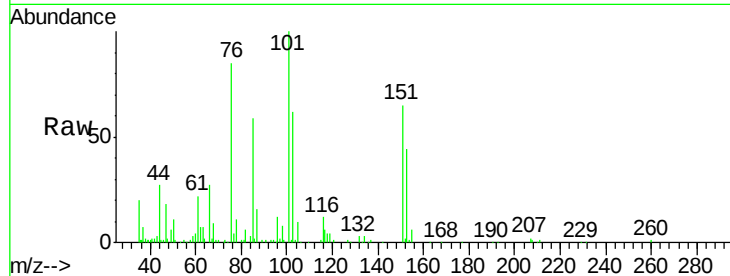
Tot Ion:101 Resp: 91966

Ion Ratio Lower Upper

101 100

85 58.7 42.2 63.4

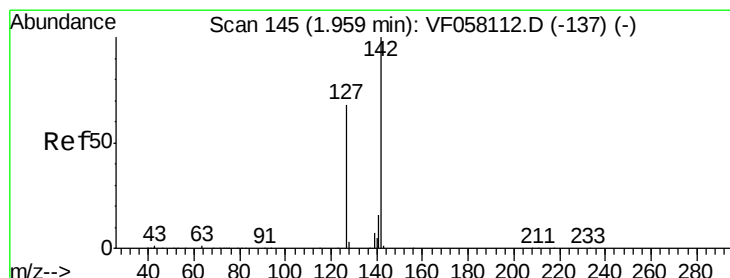
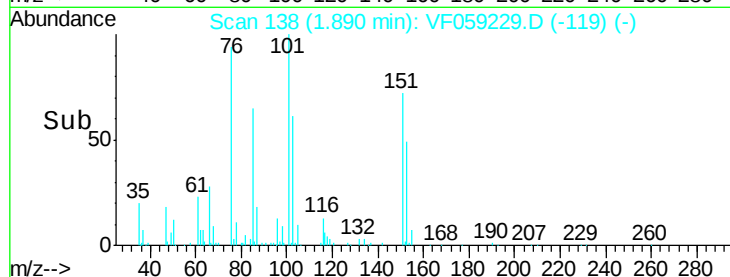
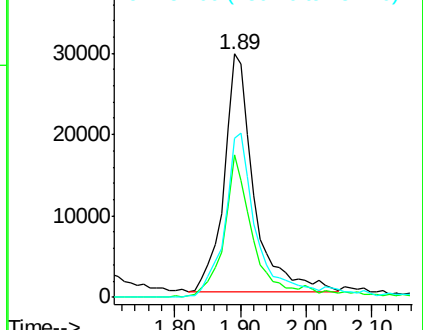
151 65.1 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 52.300 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

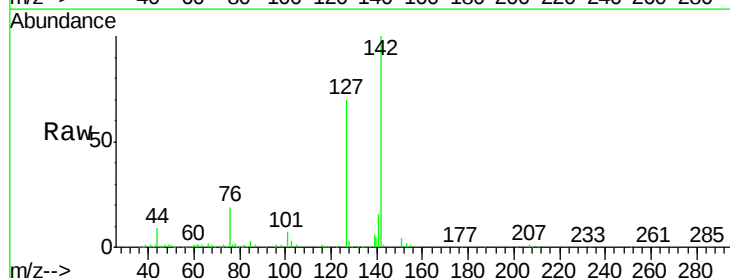
Tgt Ion:142 Resp: 180004

Ion Ratio Lower Upper

142 100

127 70.5 54.1 81.1

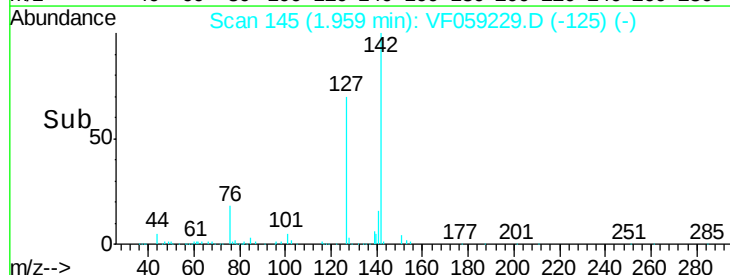
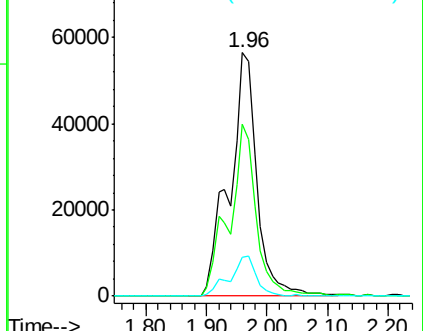
141 16.2 13.0 19.4

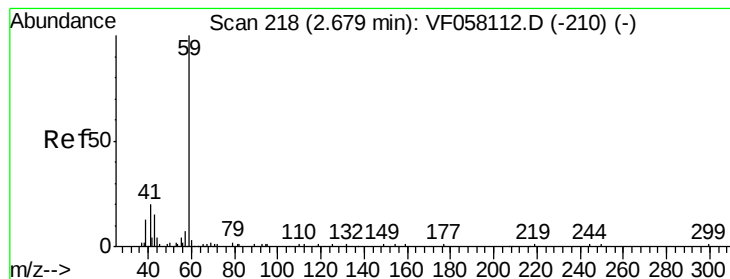


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



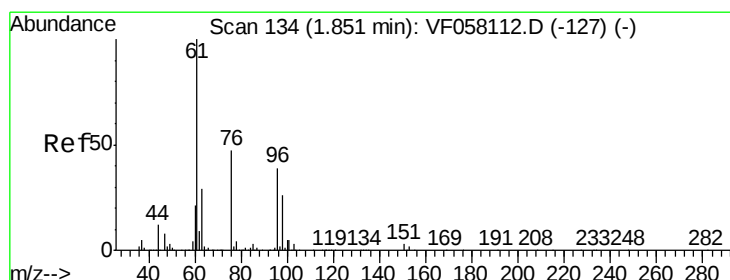
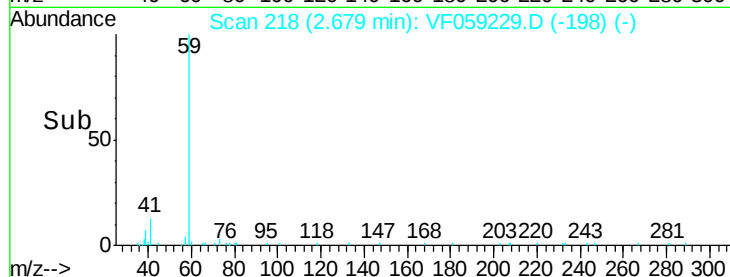
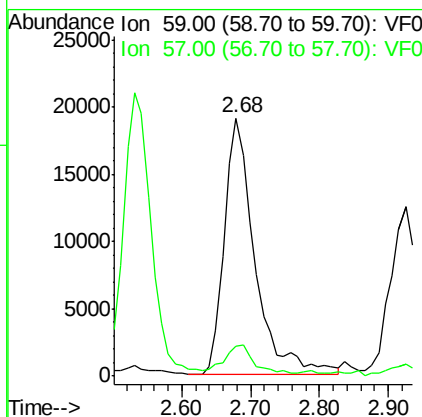
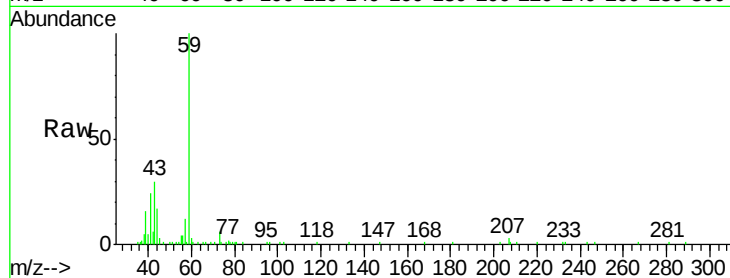


#11

Tert butyl alcohol
Concen: 301.223 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :

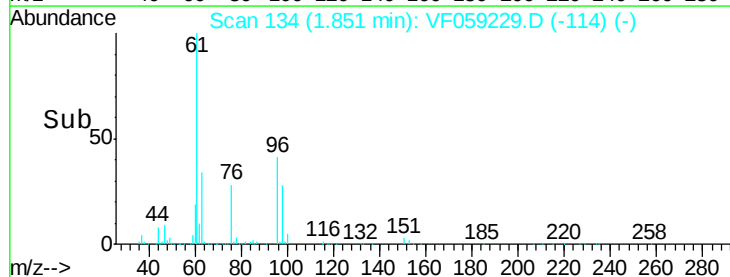
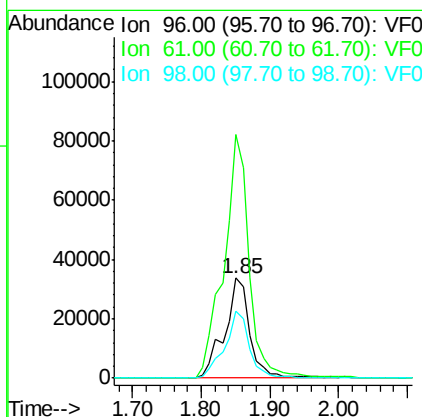
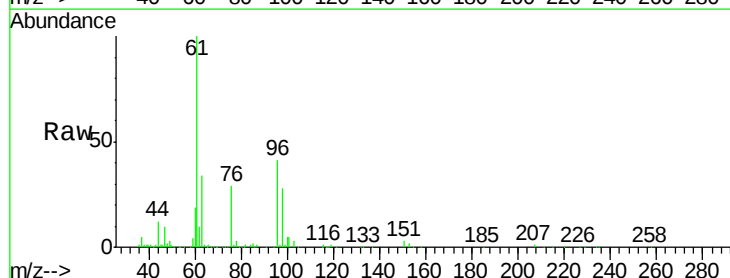
Tot Ion: 59 Resp: 58759
Ion Ratio Lower Upper
59 100
57 11.8 8.7 13.1

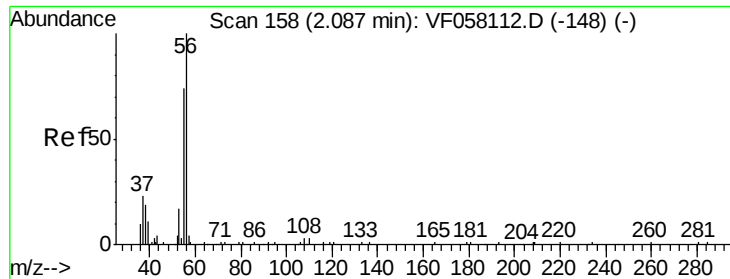


#12

1,1-Dichloroethene
Concen: 52.375 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion: 96 Resp: 86631
Ion Ratio Lower Upper
96 100
61 244.0 203.0 304.4
98 67.5 52.7 79.1





#13

Acrolein

Concen: 244.314 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

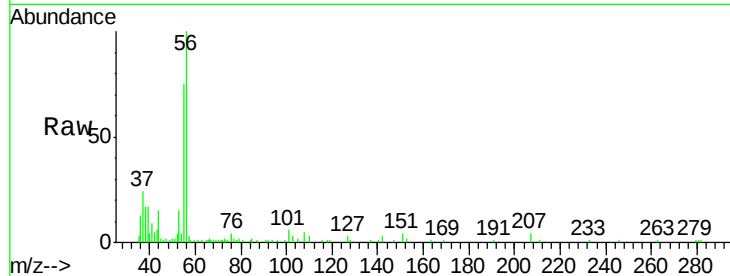
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 41250

Ion Ratio Lower Upper

56 100

55 75.2 60.0 90.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.09

20000

15000

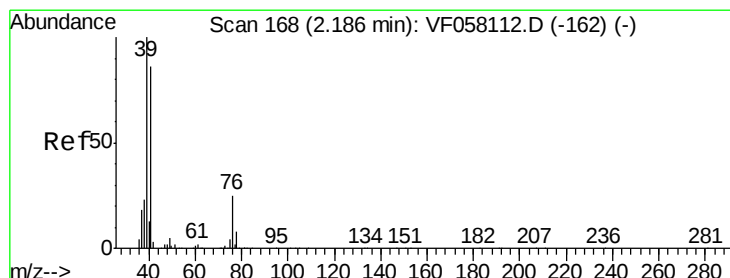
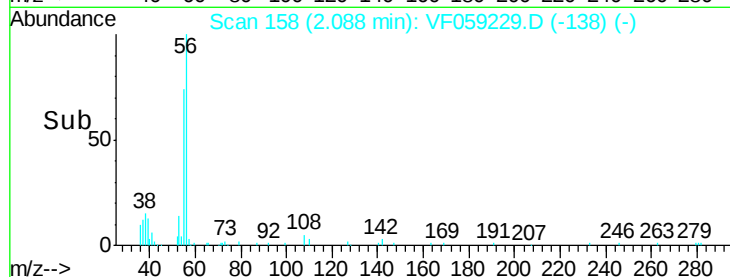
10000

5000

0

Time-->

2.00 2.10 2.20



#14

Allyl chloride

Concen: 51.037 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

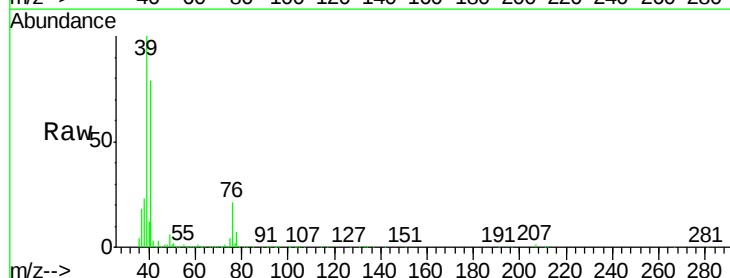
Tgt Ion: 41 Resp: 165690

Ion Ratio Lower Upper

41 100

39 126.1 93.5 140.3

76 26.4 23.9 35.9



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.19

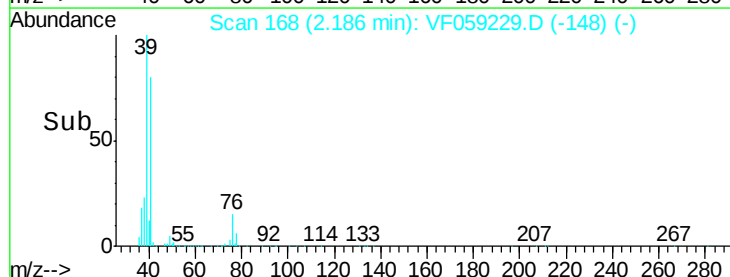
100000

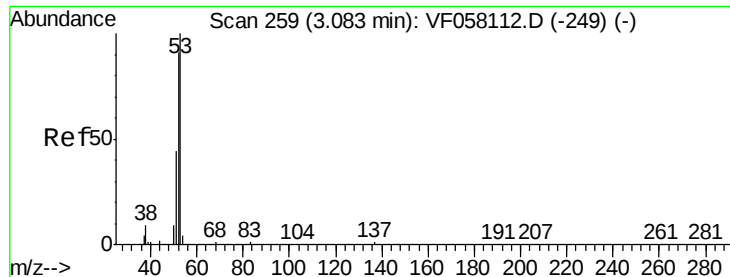
50000

0

Time-->

2.10 2.20 2.30





#15

Acrylonitrile

Concen: 259.087 ug/l

RT: 3.07 min Scan# 258

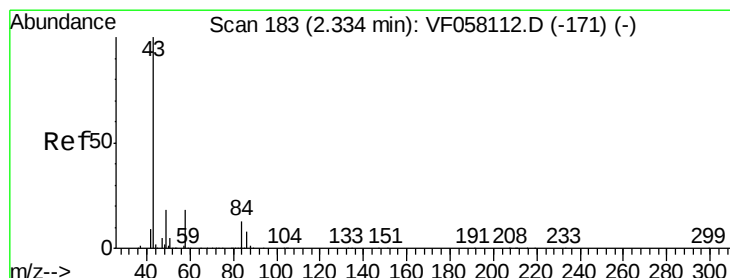
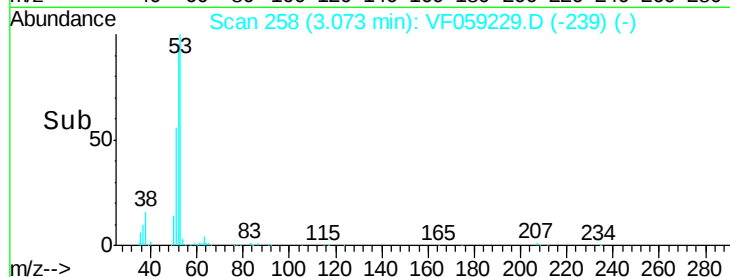
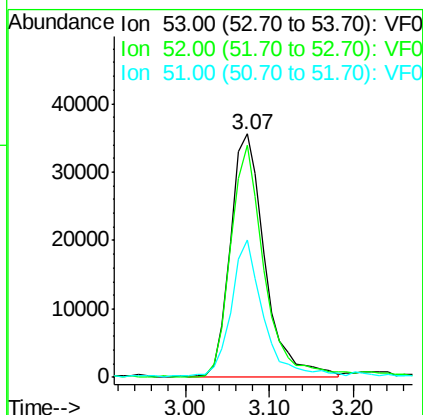
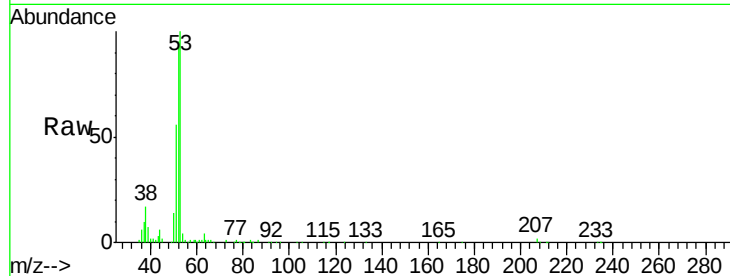
Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	100376
Ion	Ratio	Lower	Upper
53	100		
52	95.3	73.2	109.8
51	56.3	35.6	53.4#



#16

Acetone

Concen: 370.272 ug/l

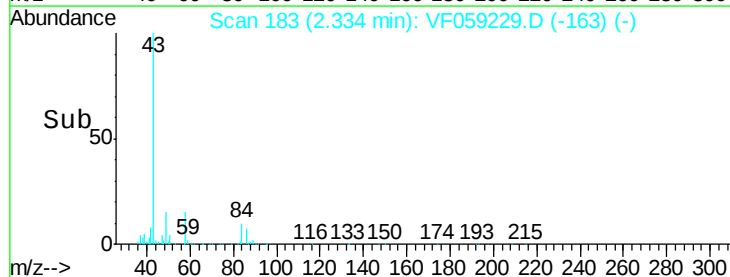
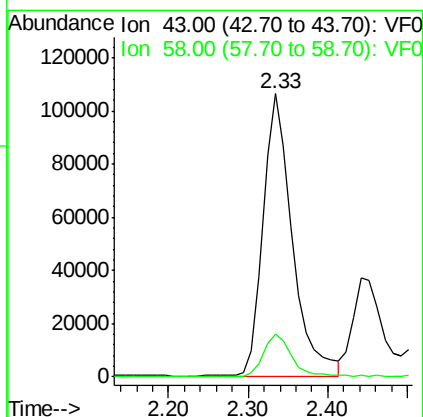
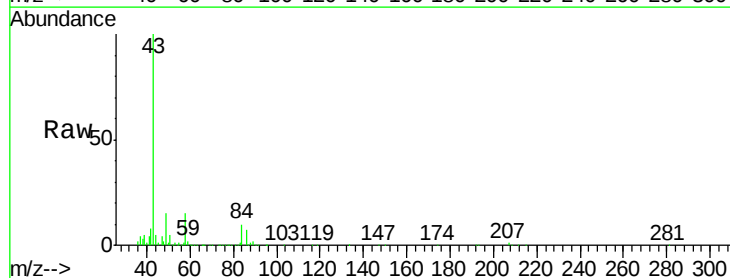
RT: 2.33 min Scan# 183

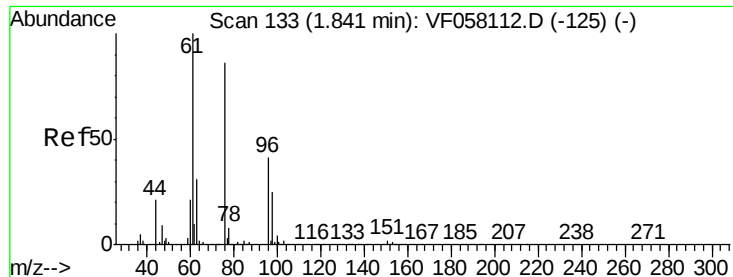
Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tgt Ion:	43	Resp:	269149
Ion	Ratio	Lower	Upper
43	100		
58	15.1	14.4	21.6

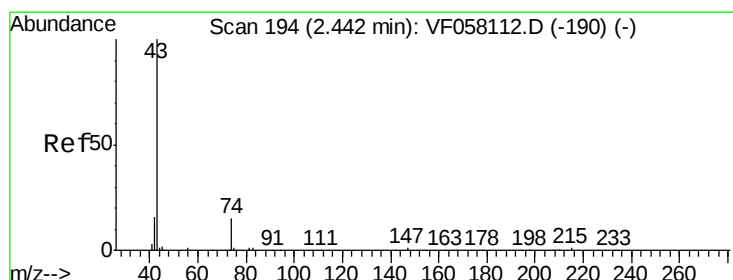
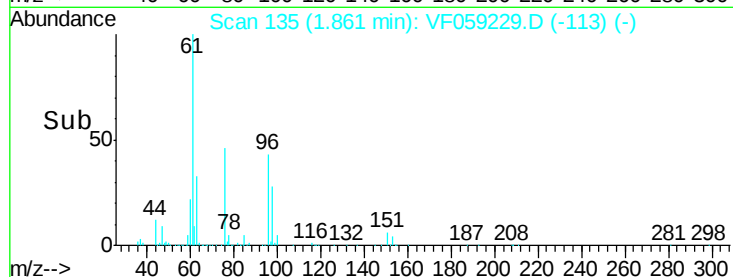
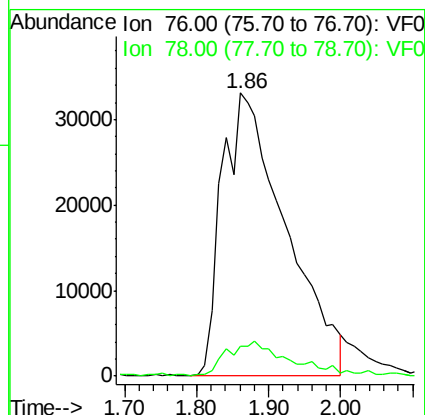
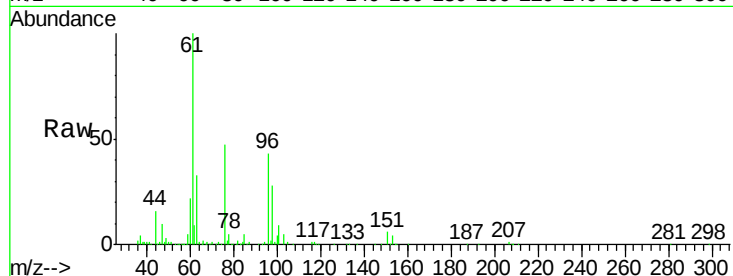




#17
Carbon Disulfide
Concen: 43.718 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.02 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

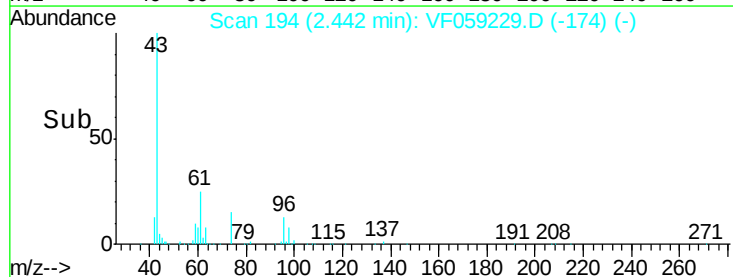
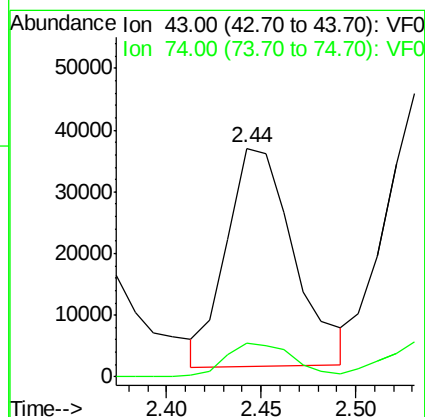
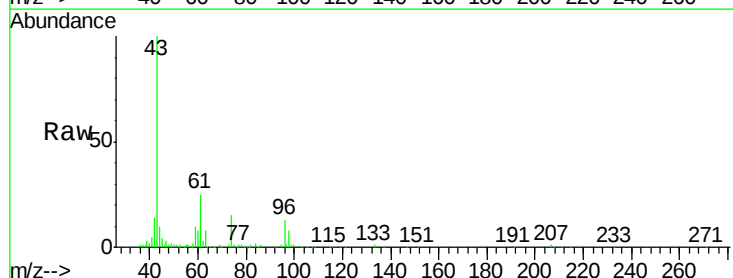
Instrument :
MSVOA_F
ClientSampleId :

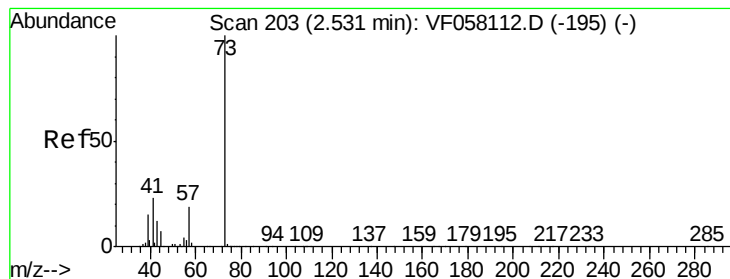
Tot Ion: 76 Resp: 203030
Ion Ratio Lower Upper
76 100
78 10.7 7.8 11.8



#18
Methyl Acetate
Concen: 70.085 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion: 43 Resp: 87578
Ion Ratio Lower Upper
43 100
74 14.5 10.9 16.3



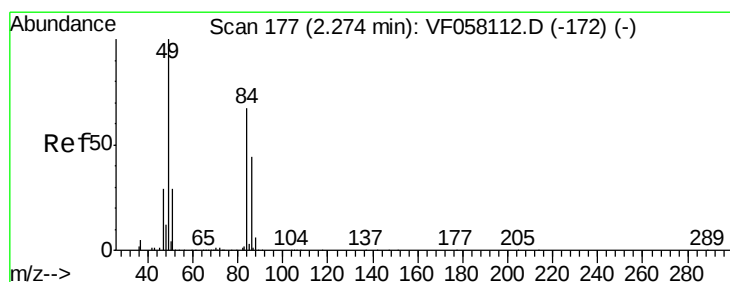
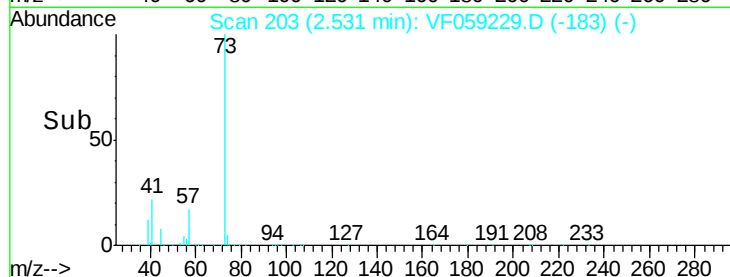
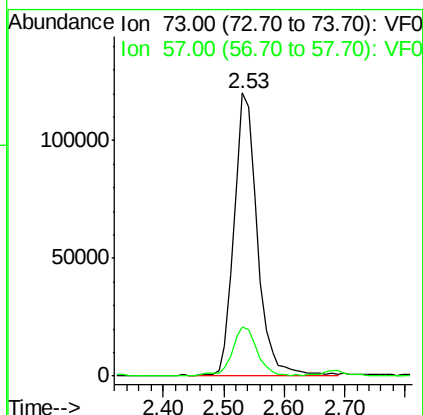
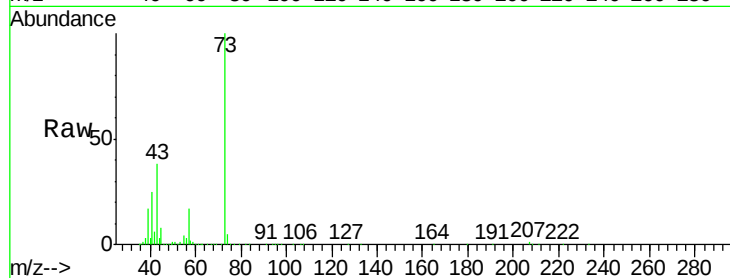


#19

Methyl tert-butyl Ether
 Concen: 62.265 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059229.D
 Acq: 20 Jun 2018 15:39

Instrument :
 MSVOA_F
 ClientSampleId :

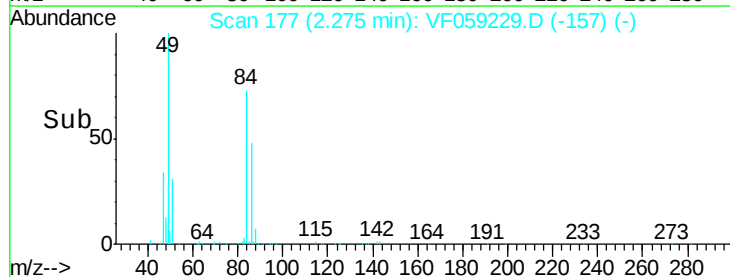
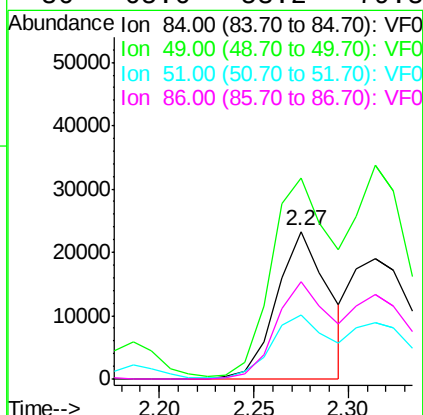
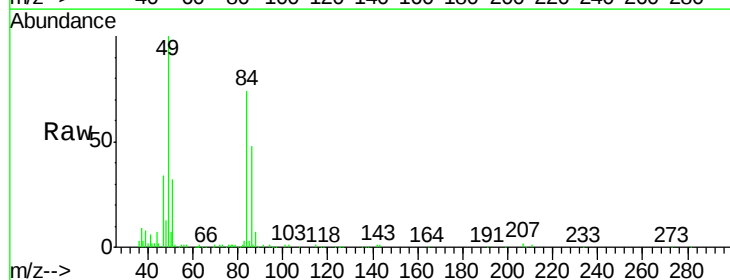
Tot Ion: 73 Resp: 319716
 Ion Ratio Lower Upper
 73 100
 57 17.5 15.0 22.4

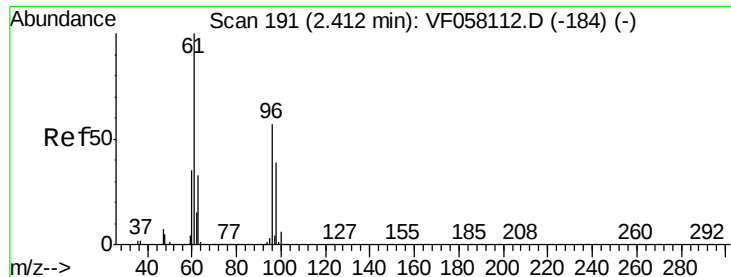


#20

Methylene Chloride
 Concen: 25.517 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059229.D
 Acq: 20 Jun 2018 15:39

Tgt Ion: 84 Resp: 44411
 Ion Ratio Lower Upper
 84 100
 49 136.0 121.0 181.4
 51 43.0 35.8 53.6
 86 65.6 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 50.414 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :

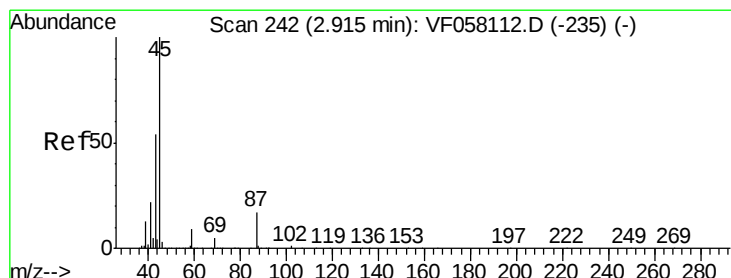
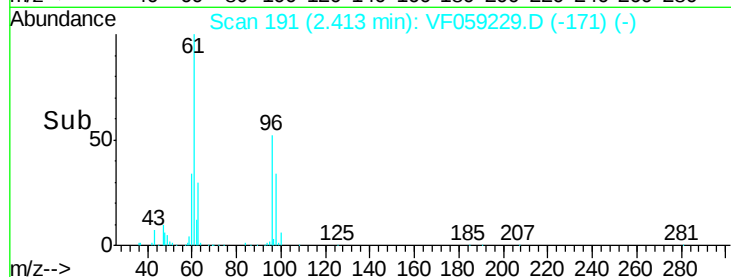
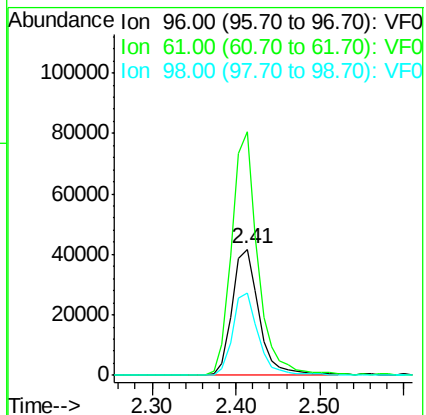
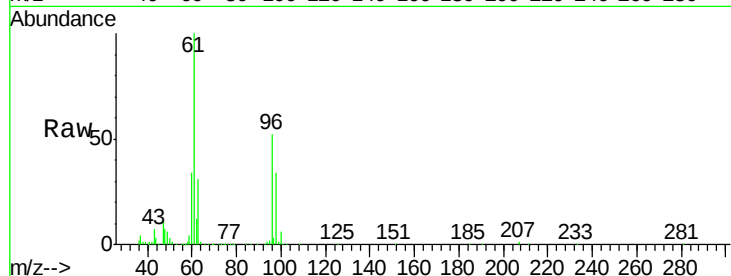
Tot Ion: 96 Resp: 91452

Ion Ratio Lower Upper

96 100

61 192.5 139.4 209.2

98 65.1 54.0 81.0



#22

Diisopropyl ether

Concen: 54.995 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tgt Ion: 45 Resp: 350968

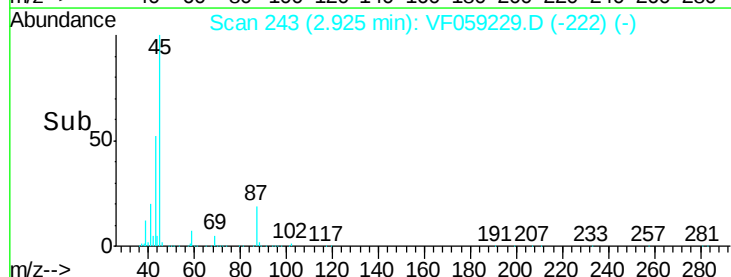
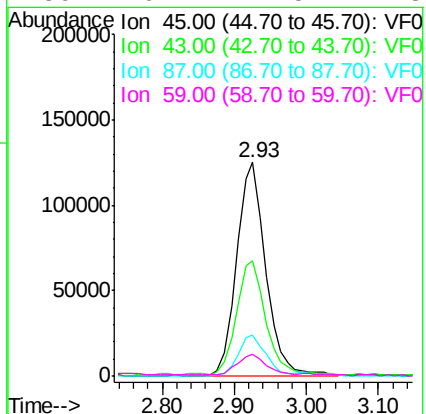
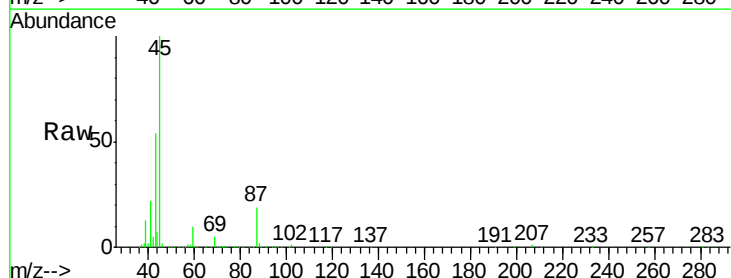
Ion Ratio Lower Upper

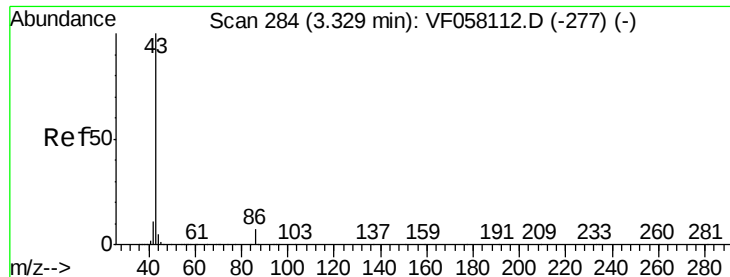
45 100

43 53.9 43.2 64.8

87 19.3 13.8 20.6

59 10.1 7.5 11.3





#23

Vinyl Acetate

Concen: 306.891 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

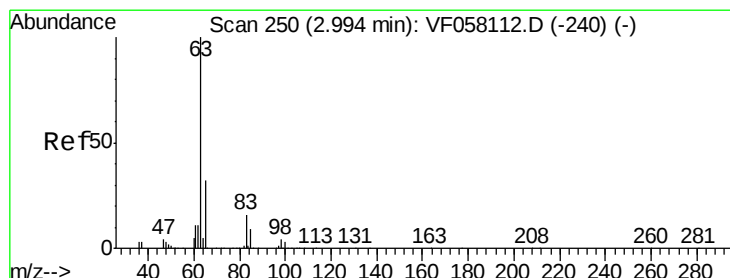
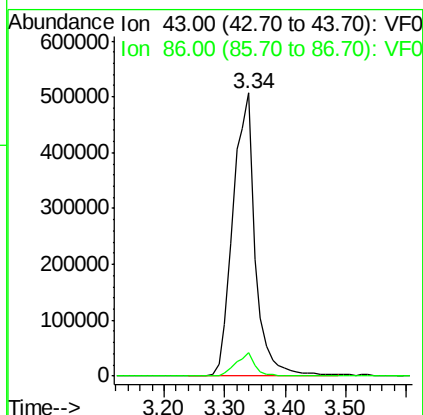
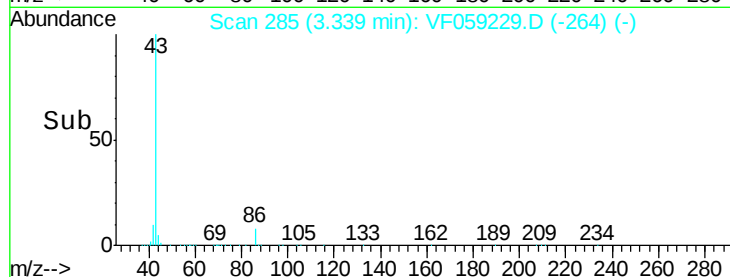
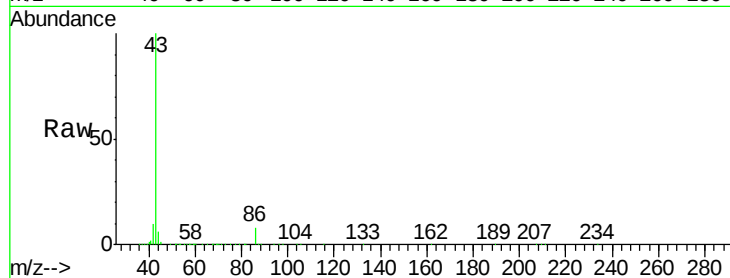
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1291325

Ion Ratio Lower Upper

43 100

86 8.3 6.0 9.0



#24

1,1-Dichloroethane

Concen: 55.611 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

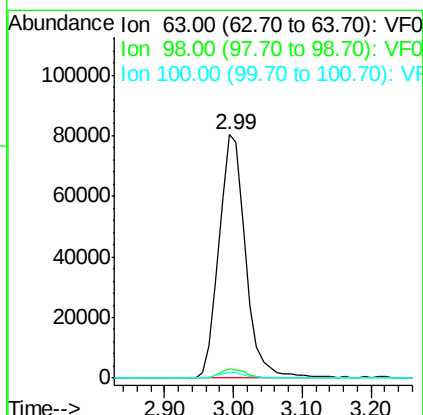
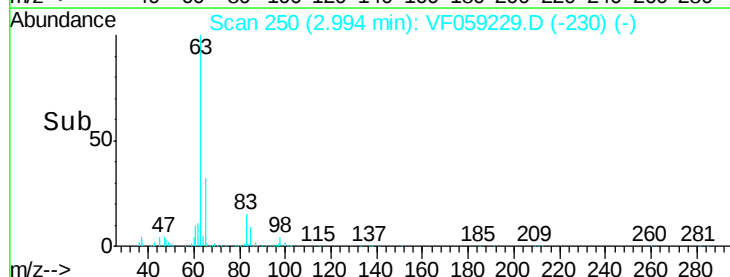
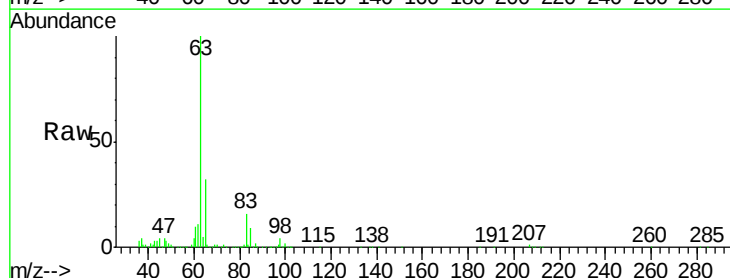
Tgt Ion: 63 Resp: 215159

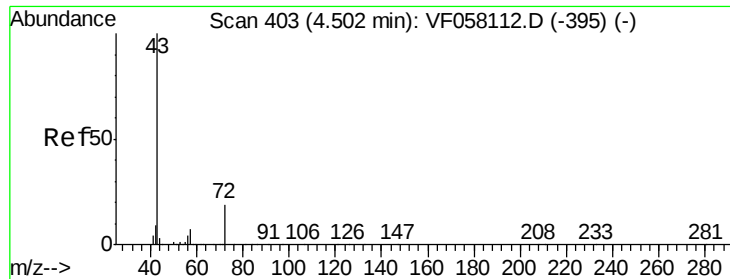
Ion Ratio Lower Upper

63 100

98 4.0 2.0 6.0

100 2.4 1.4 4.0





#25

2-Butanone

Concen: 284.156 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

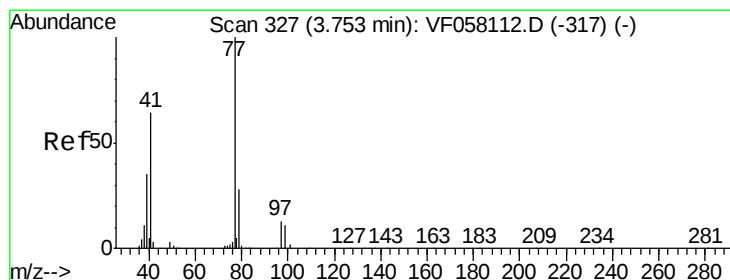
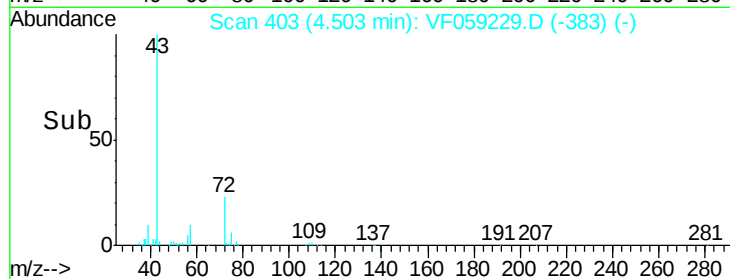
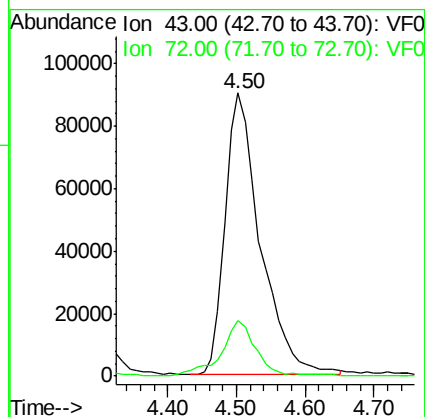
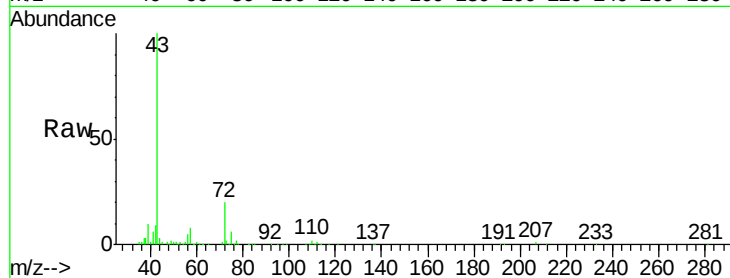
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 320226

Ion Ratio Lower Upper

43 100

72 19.8 16.1 24.1



#26

2,2-Dichloropropane

Concen: 52.787 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059229.D

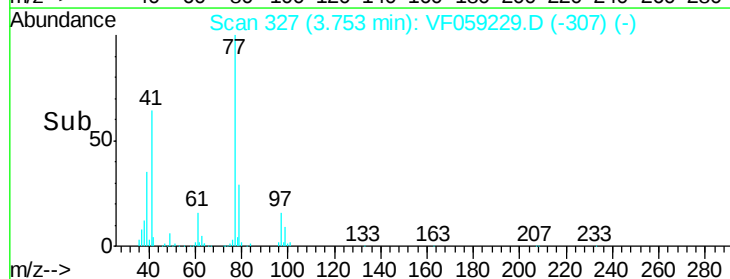
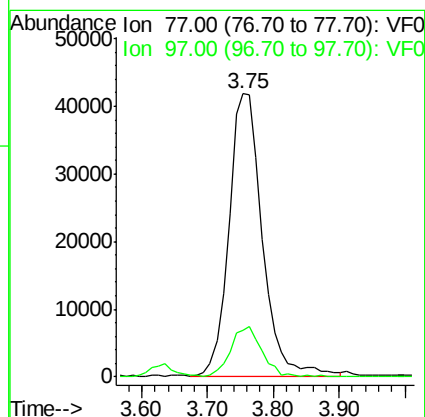
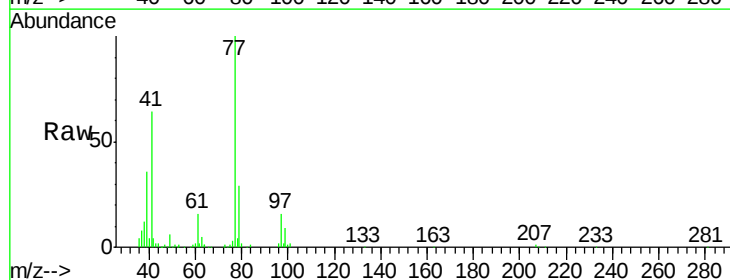
Acq: 20 Jun 2018 15:39

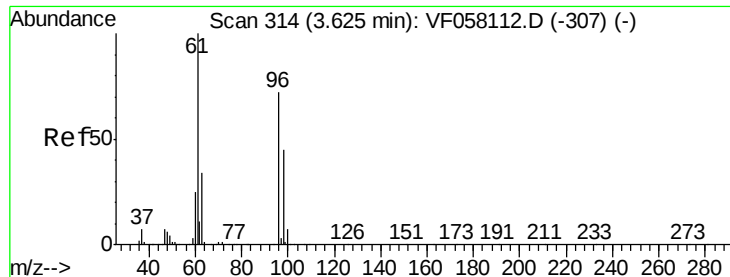
Tgt Ion: 77 Resp: 148166

Ion Ratio Lower Upper

77 100

97 16.3 7.2 21.6



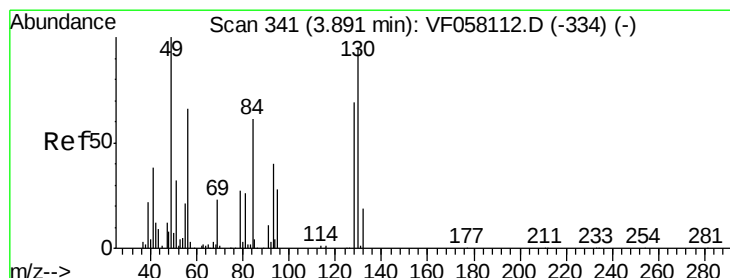
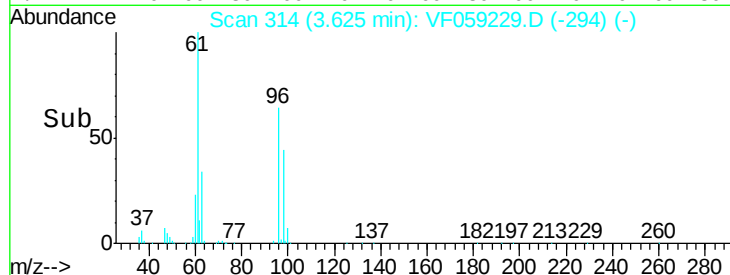
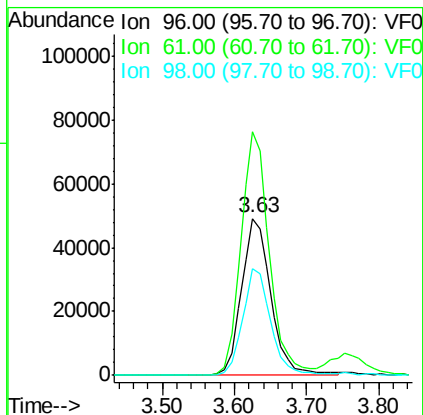
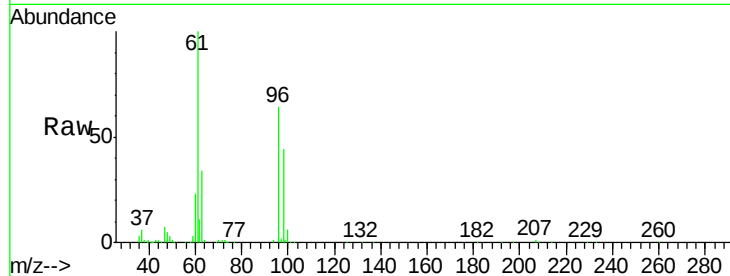


#27

cis-1,2-Dichloroethene
Concen: 50.012 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampled :

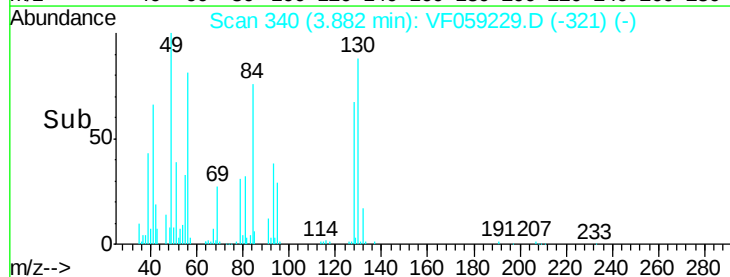
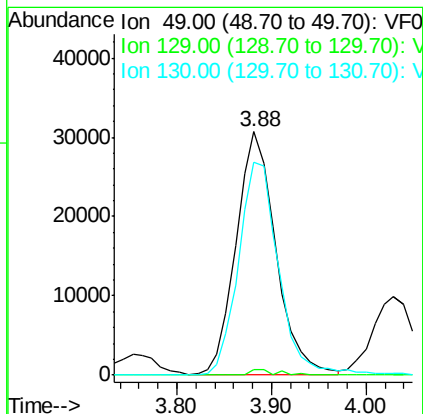
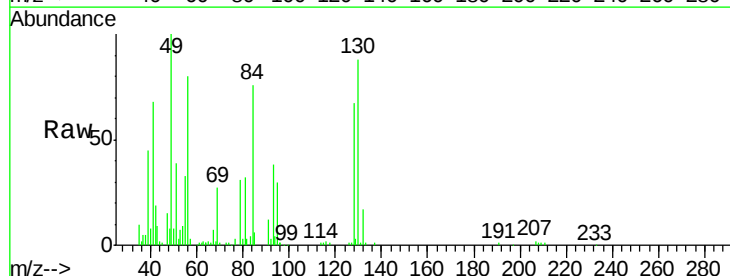
Tot Ion	Ratio	Lower	Upper
96	100		
61	155.5	0.0	278.6
98	68.0	0.0	125.2

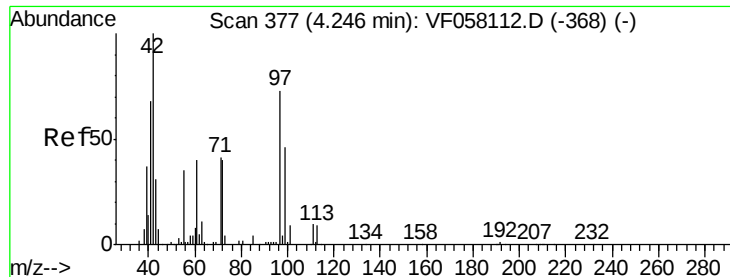


#28

Bromochloromethane
Concen: 51.574 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	0.0#
130	87.7	75.8	113.8





#29

Tetrahydrofuran

Concen: 269.638 ug/l

RT: 4.25 min Scan# 377

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :

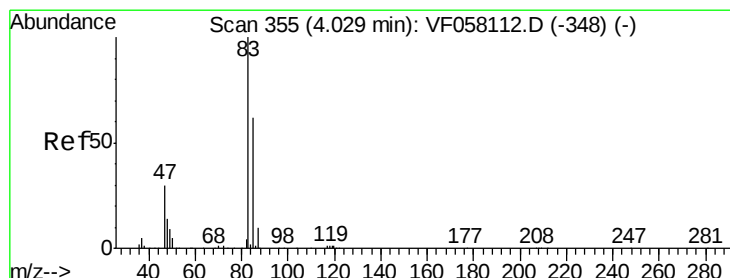
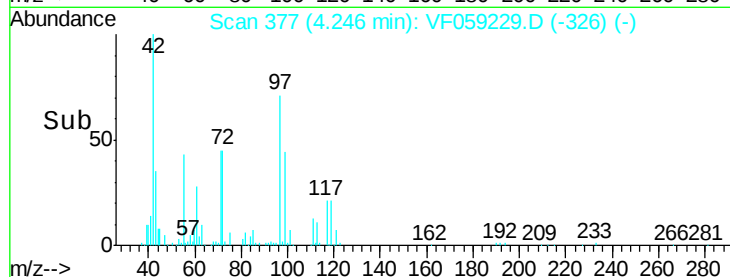
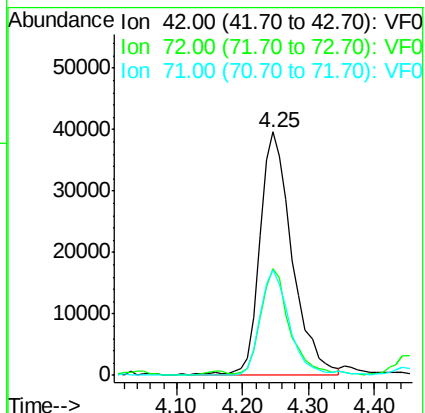
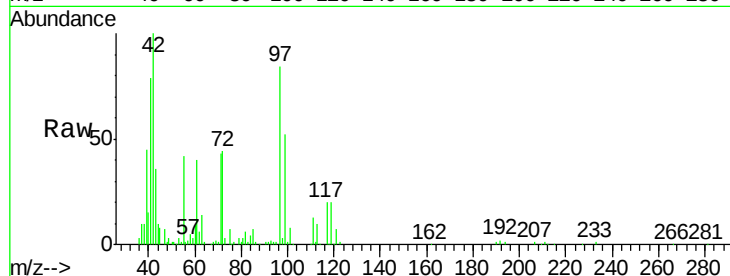
Tot Ion: 42 Resp: 133891

Ion Ratio Lower Upper

42 100

72 40.5 30.5 45.7

71 39.6 31.5 47.3



#30

Chloroform

Concen: 55.001 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF059229.D

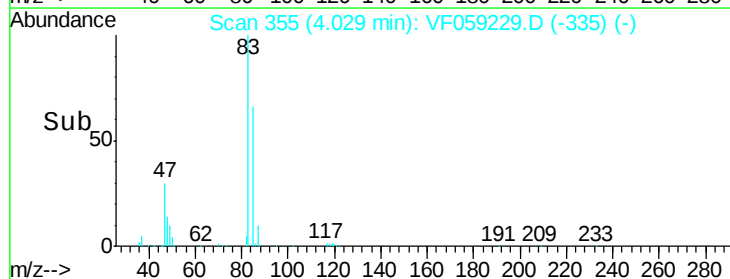
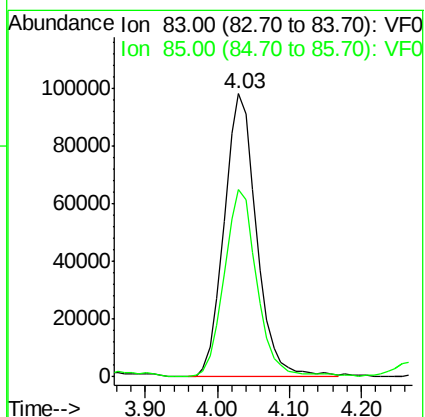
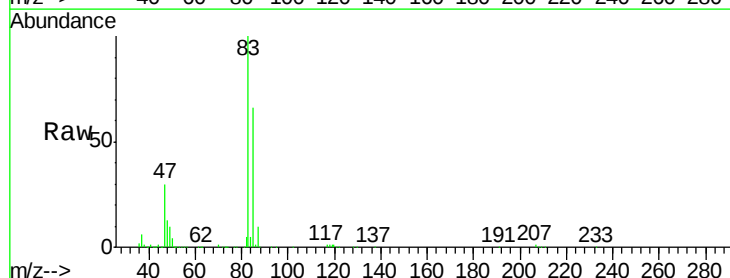
Acq: 20 Jun 2018 15:39

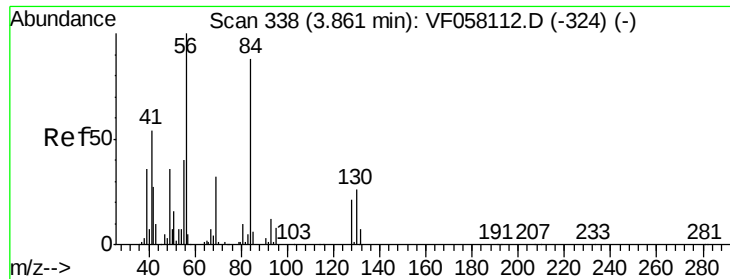
Tgt Ion: 83 Resp: 304417

Ion Ratio Lower Upper

83 100

85 66.3 49.5 74.3

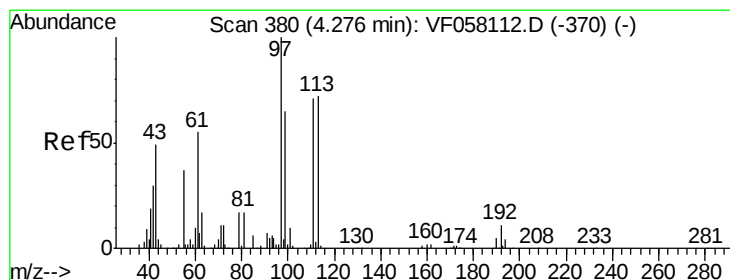
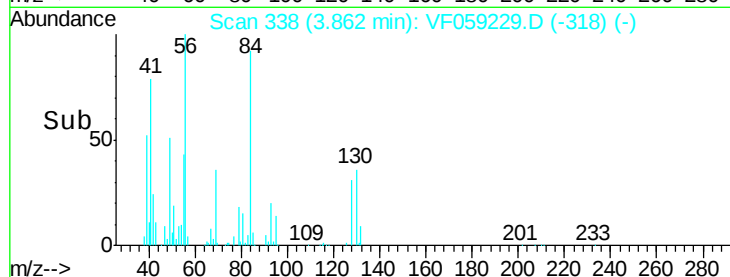
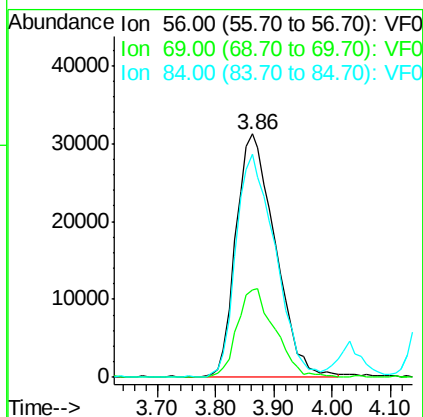
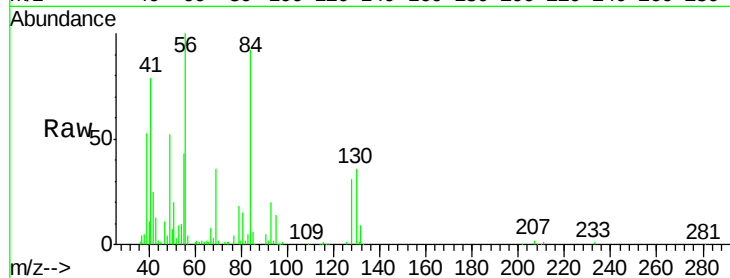




#31
Cyclohexane
Concen: 43.480 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

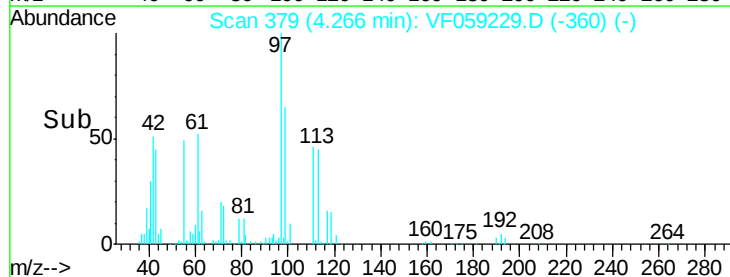
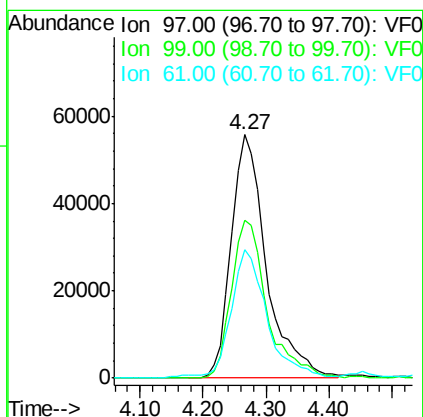
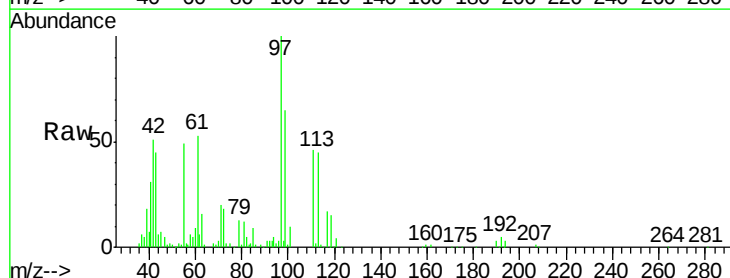
Instrument :
MSVOA_F
ClientSampleId :

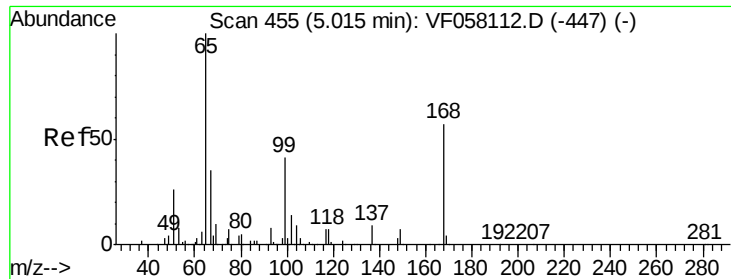
Tot Ion: 56 Resp: 146955
Ion Ratio Lower Upper
56 100
69 36.0 25.9 38.9
84 91.8 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 52.199 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion: 97 Resp: 215687
Ion Ratio Lower Upper
97 100
99 64.6 52.0 78.0
61 52.7 44.3 66.5





#33

1,2-Dichloroethane-d4

Concen: 58.277 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

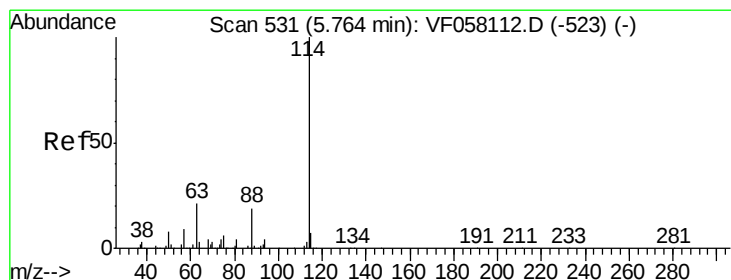
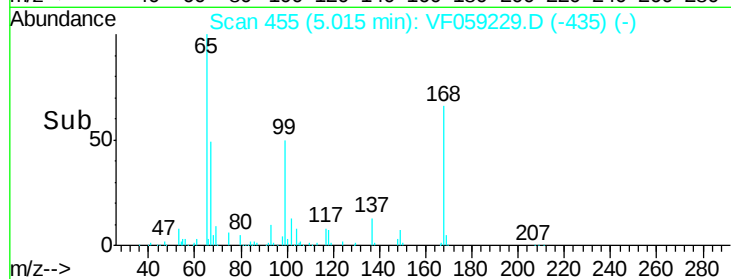
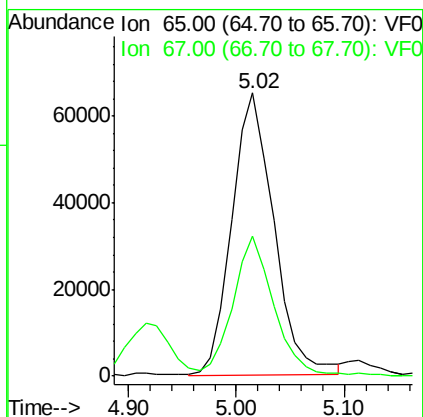
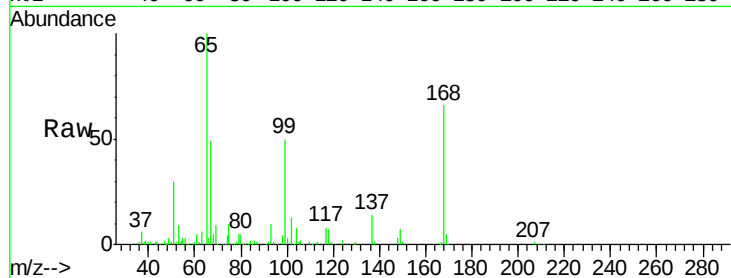
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 177422

Ion Ratio Lower Upper

65 100

67 49.4 0.0 97.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

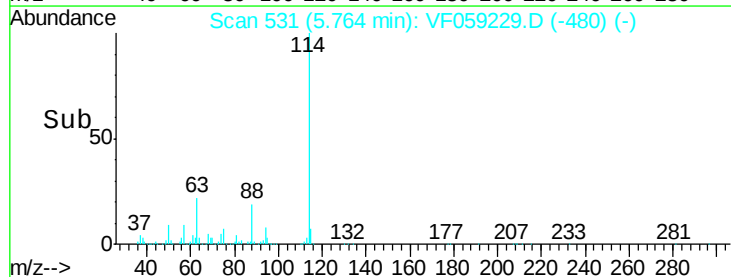
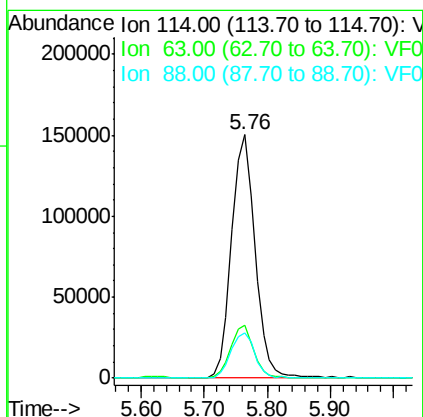
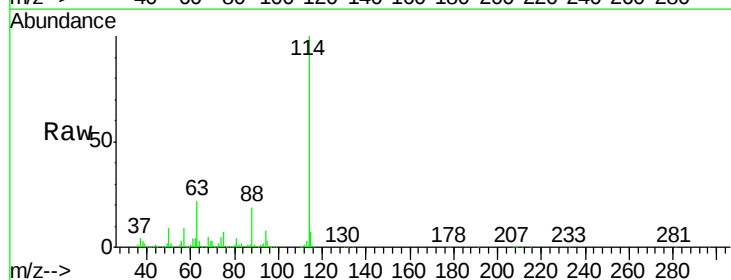
Tgt Ion: 114 Resp: 388085

Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.6

88 18.5 0.0 38.8





#35

Dibromofluoromethane

Concen: 55.820 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :

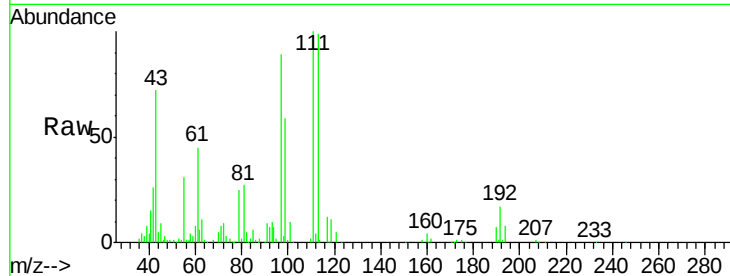
Tot Ion:113 Resp: 152003

Ion Ratio Lower Upper

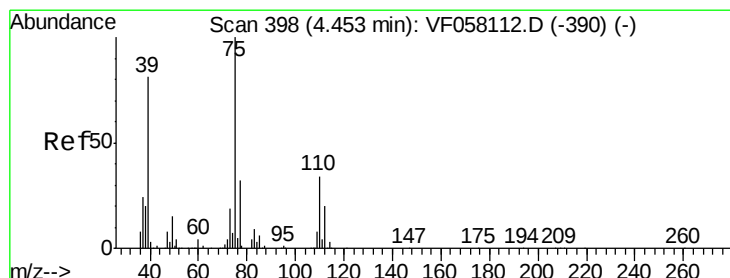
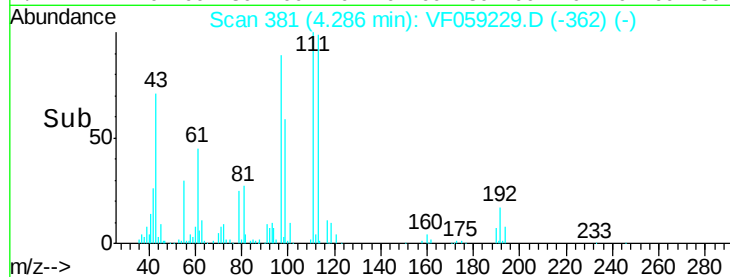
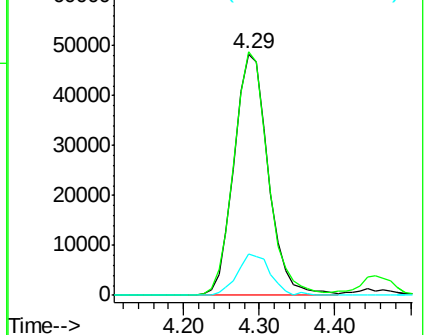
113 100

111 100.9 81.3 121.9

192 16.9 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: 52.666 ug/l

RT: 4.45 min Scan# 398

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

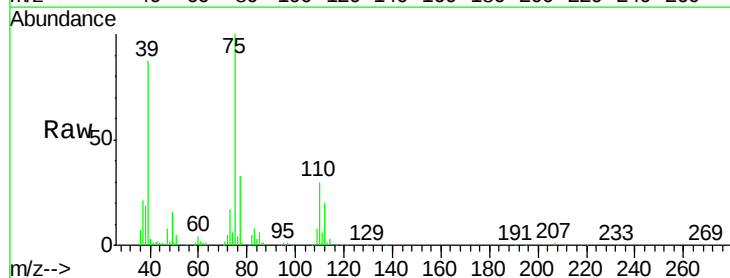
Tgt Ion: 75 Resp: 198112

Ion Ratio Lower Upper

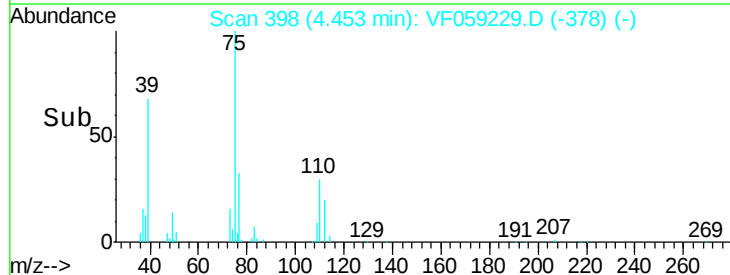
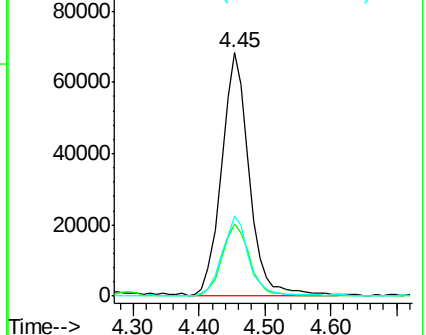
75 100

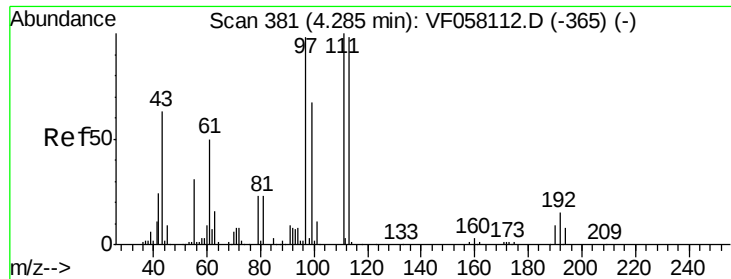
110 29.6 17.0 50.9

77 32.7 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

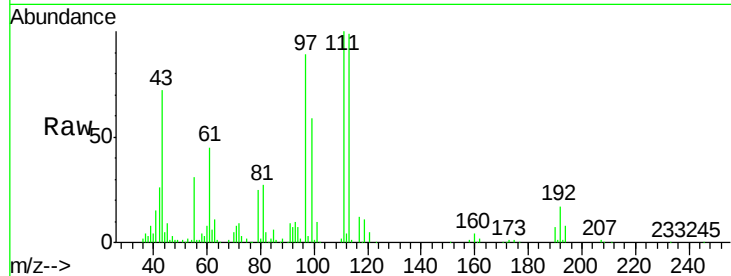




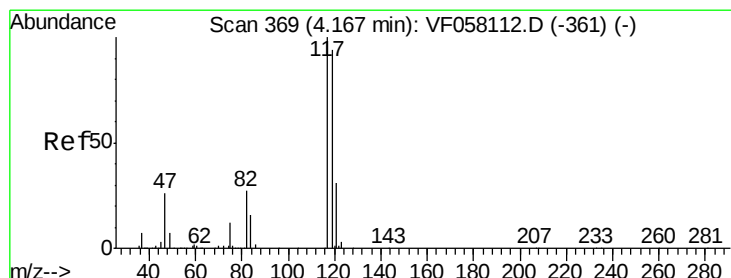
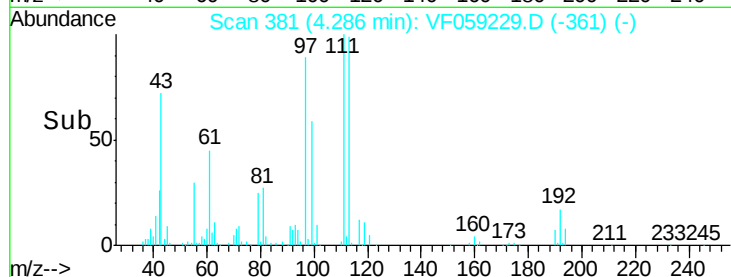
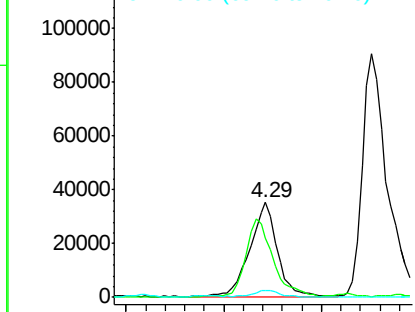
#37
Ethyl Acetate
Concen: 59.210 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 137620
Ion Ratio Lower Upper
43 100
61 62.7 63.0 94.4#
70 6.6 7.5 11.3#

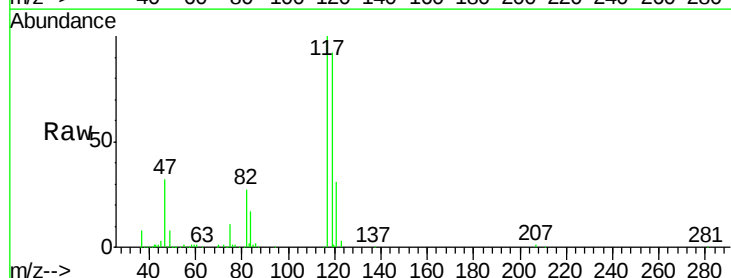


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

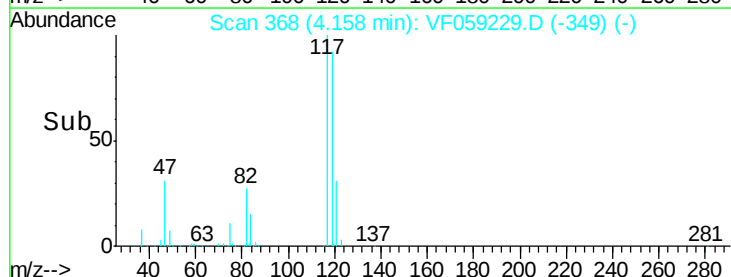
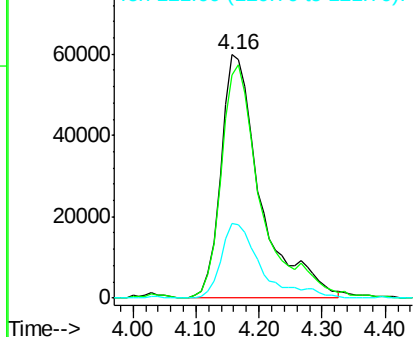


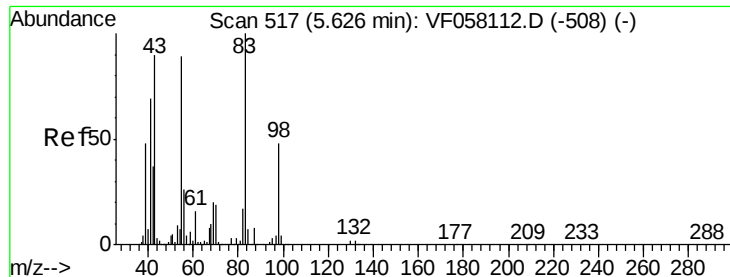
#38
Carbon Tetrachloride
Concen: 63.865 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion: 117 Resp: 260369
Ion Ratio Lower Upper
117 100
119 91.8 75.7 113.5
121 30.6 24.8 37.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





#39

Methvlcvclohexane

Concen: 48.287 ug/l

RT: 5.62 min Scan# 516

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

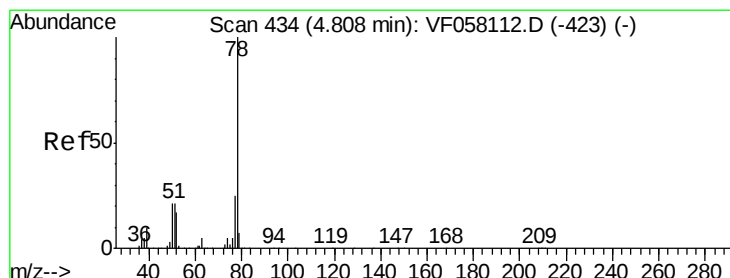
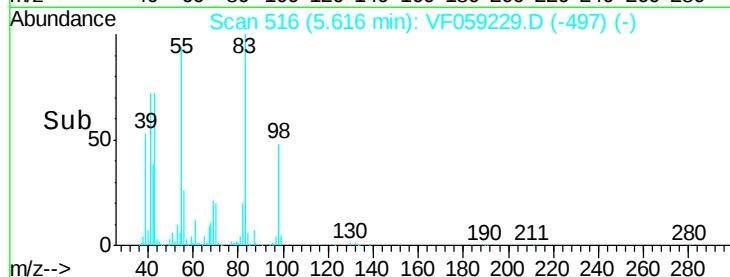
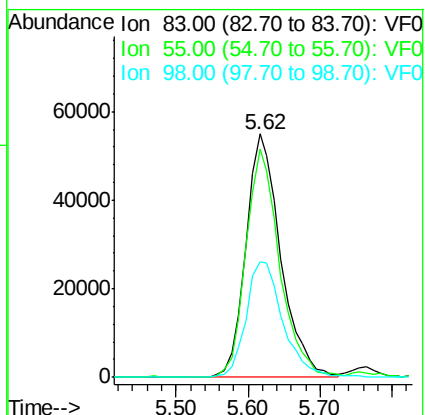
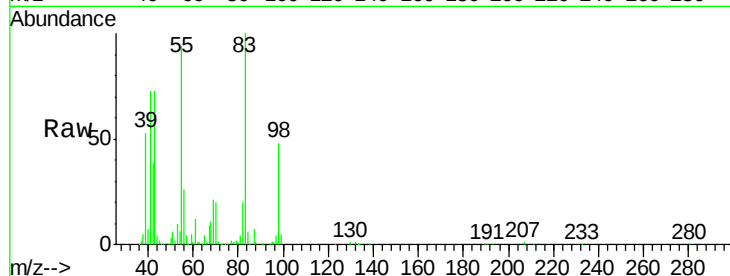
Tot Ion: 83 Resp: 185151

Ion Ratio Lower Upper

83 100

55 93.7 71.0 106.4

98 47.6 38.1 57.1



#40

Benzene

Concen: 48.942 ug/l

RT: 4.80 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF059229.D

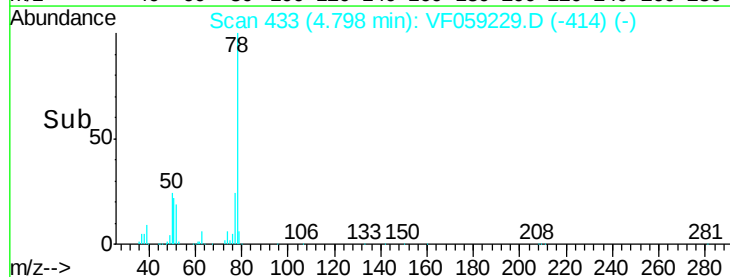
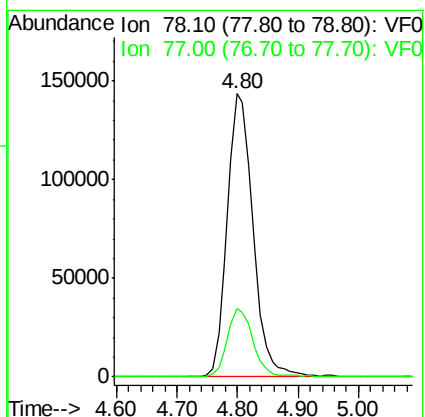
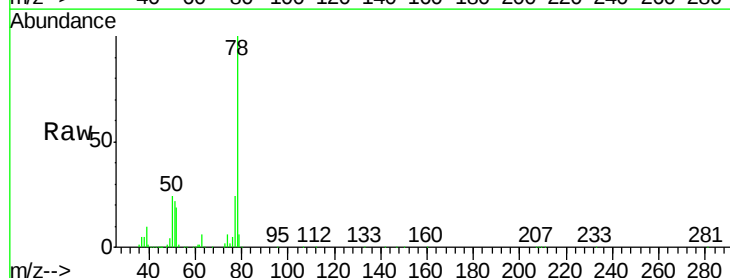
Acq: 20 Jun 2018 15:39

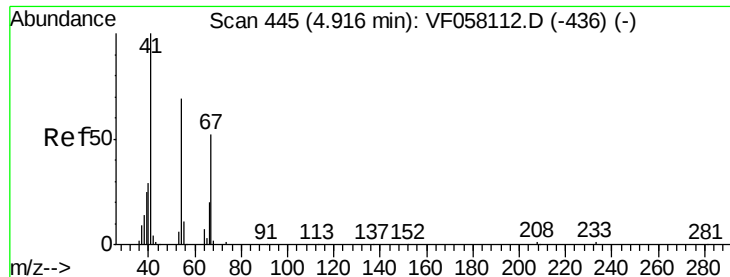
Tgt Ion: 78 Resp: 427328

Ion Ratio Lower Upper

78 100

77 24.0 20.2 30.2

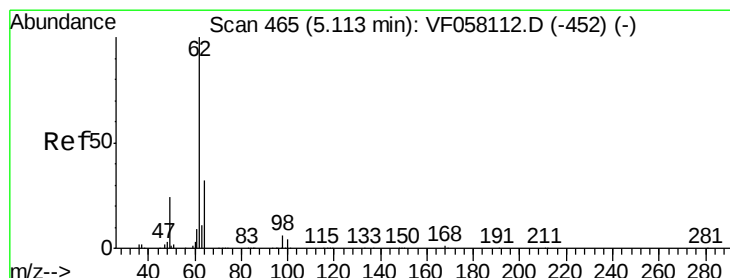
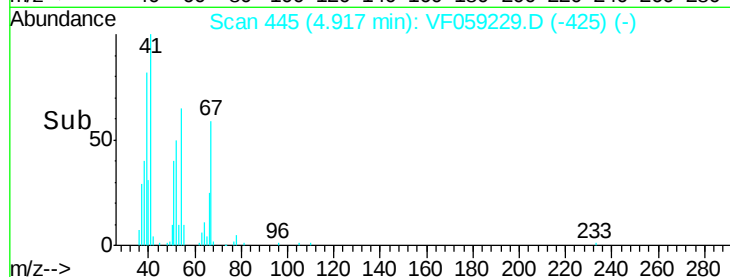
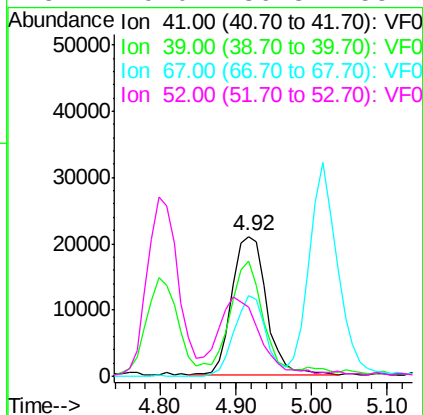
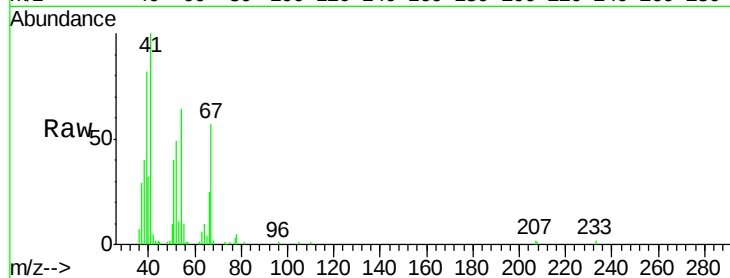




#41
Methacrylonitrile
Concen: 58.129 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

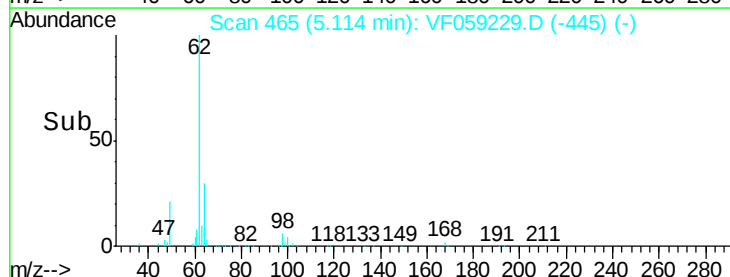
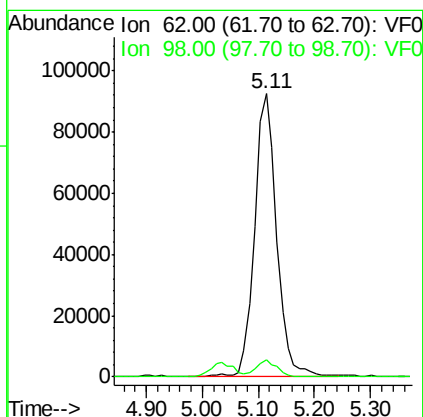
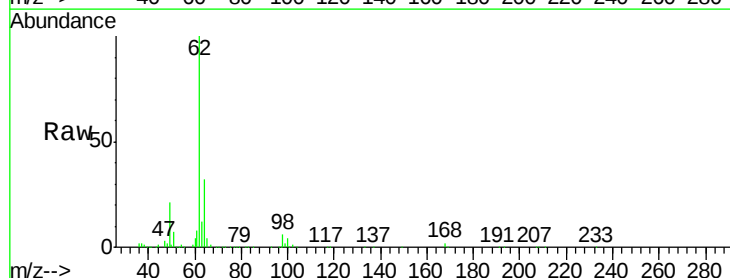
Instrument :
MSVOA_F
ClientSampled :

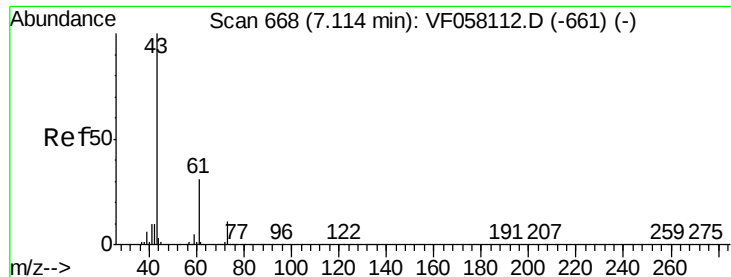
Tot Ion:	41	Resp:	66378
Ion	Ratio	Lower	Upper
41	100		
39	82.1	53.0	79.4#
67	57.4	41.0	61.6
52	49.0	36.8	55.2



#42
1,2-Dichloroethane
Concen: 64.429 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion:	62	Resp:	252302
Ion	Ratio	Lower	Upper
62	100		
98	6.1	0.0	11.8



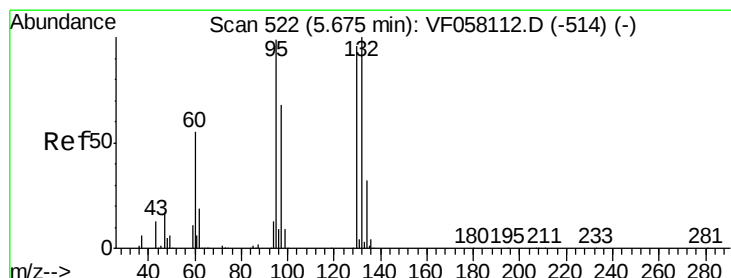
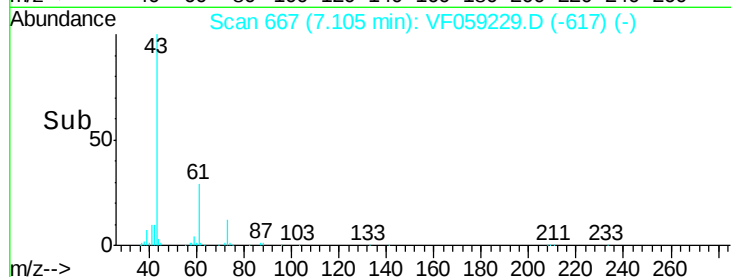
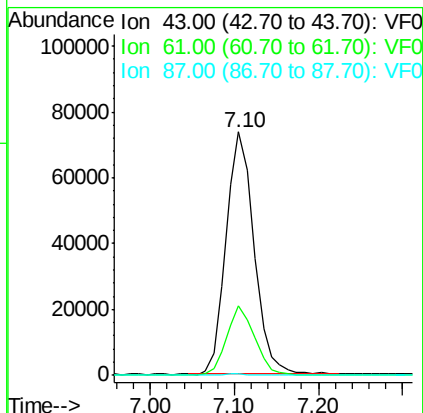
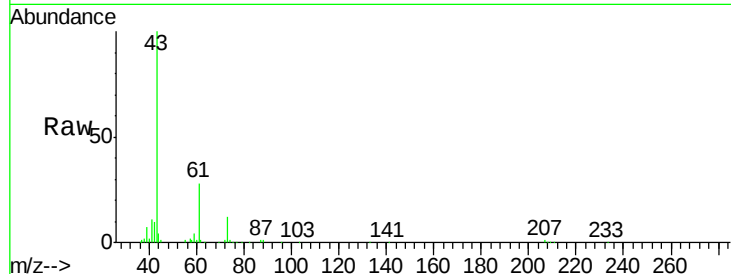


#43

Isopropyl Acetate
 Concen: 54.550 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059229.D
 Acq: 20 Jun 2018 15:39

Instrument :
 MSVOA_F
 ClientSampleId :

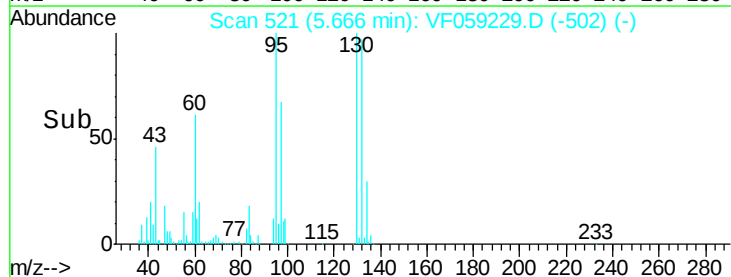
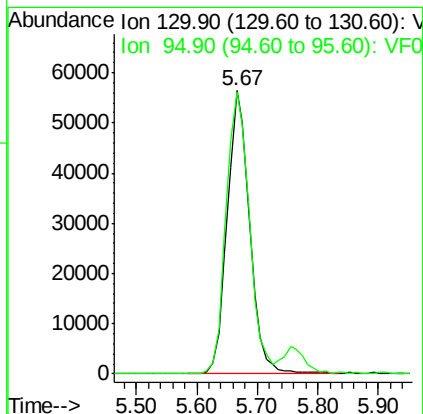
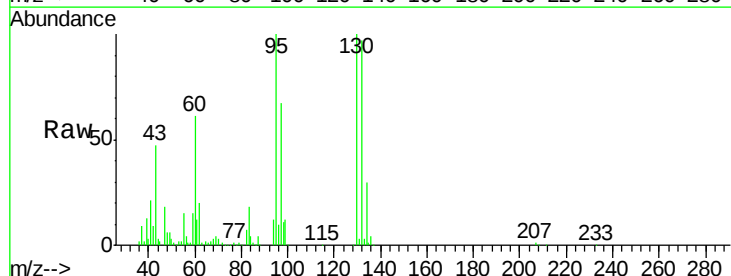
Tot Ion: 43 Resp: 169805
 Ion Ratio Lower Upper
 43 100
 61 28.4 25.1 37.7
 87 0.5 0.2 0.4#

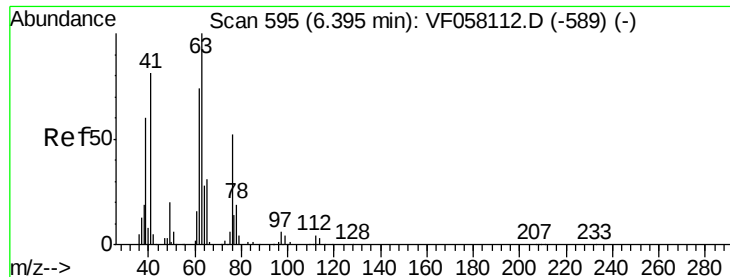


#44

Trichloroethene
 Concen: 53.563 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059229.D
 Acq: 20 Jun 2018 15:39

Tgt Ion:130 Resp: 146128
 Ion Ratio Lower Upper
 130 100
 95 99.6 0.0 206.8





#45

1,2-Dichloropropane

Concen: 48.214 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

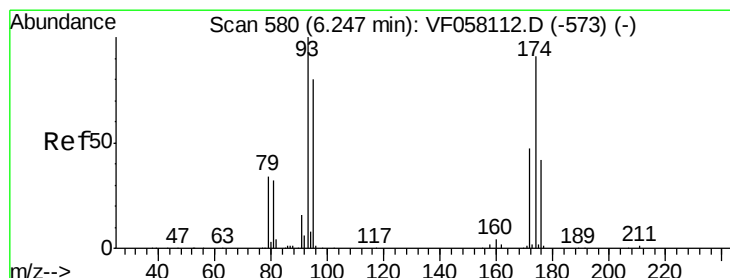
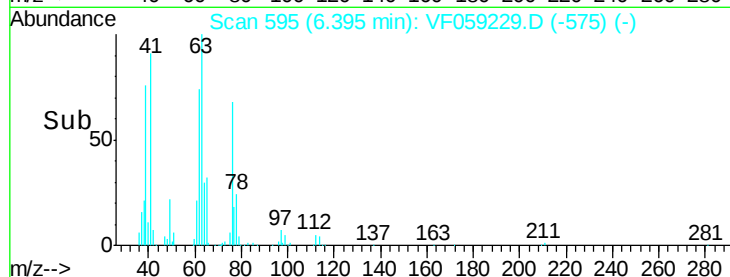
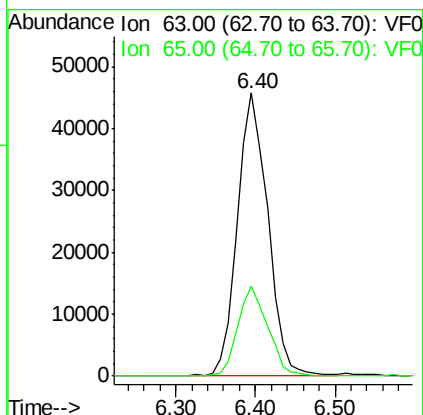
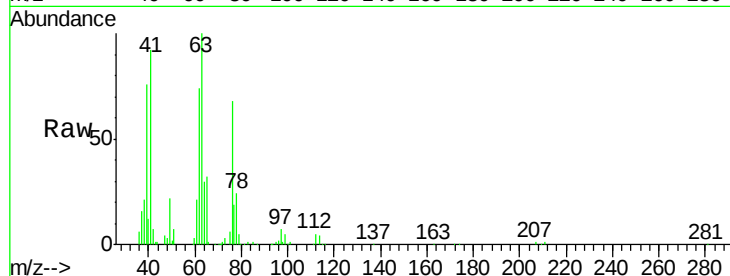
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 63 Resp: 121379

Ion Ratio Lower Upper

63 100

65 32.0 24.6 37.0



#46

Dibromomethane

Concen: 58.024 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

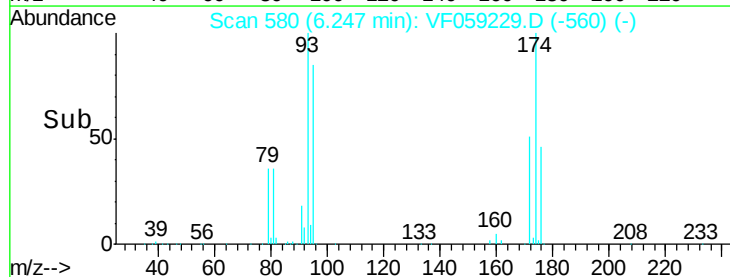
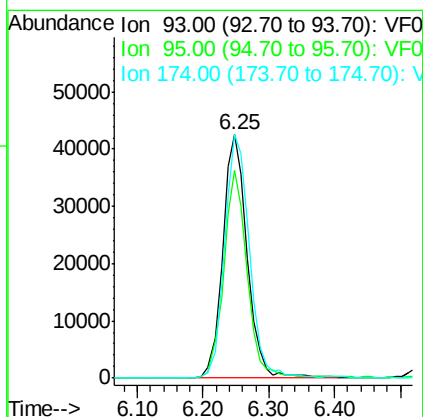
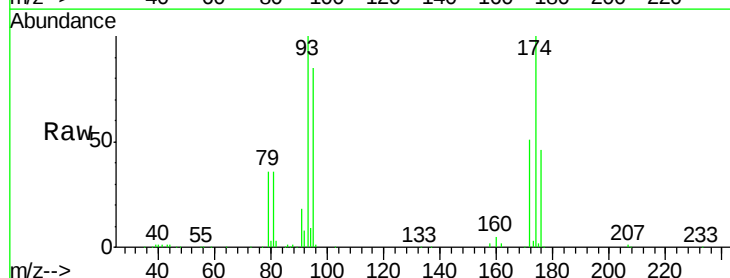
Tgt Ion: 93 Resp: 109908

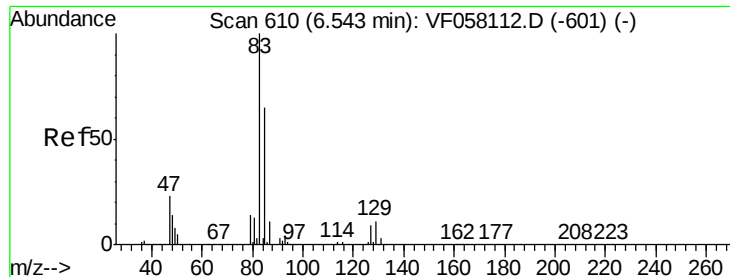
Ion Ratio Lower Upper

93 100

95 85.3 64.2 96.4

174 101.7 72.7 109.1





#47

Bromodichloromethane

Concen: 58.708 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :

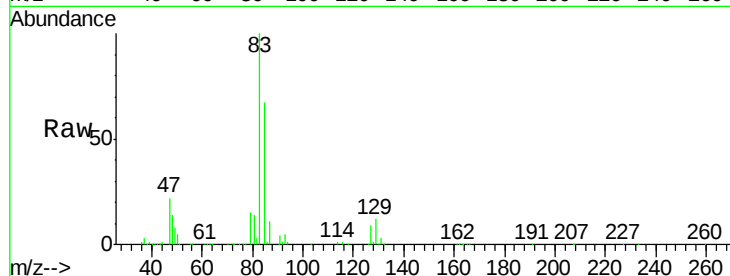
Tot Ion: 83 Resp: 252980

Ion Ratio Lower Upper

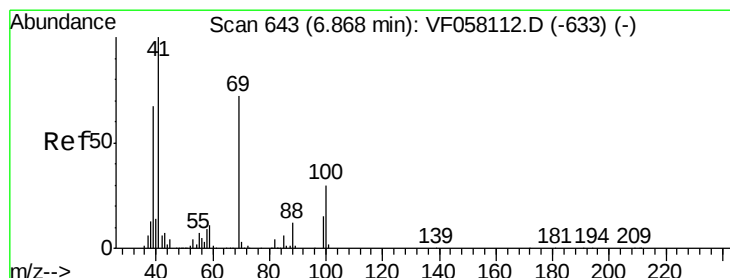
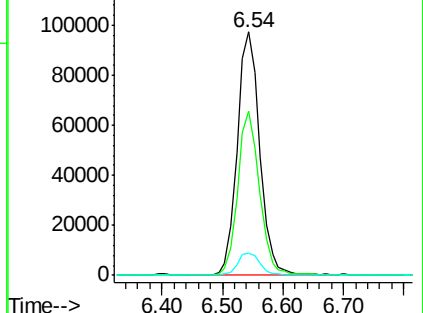
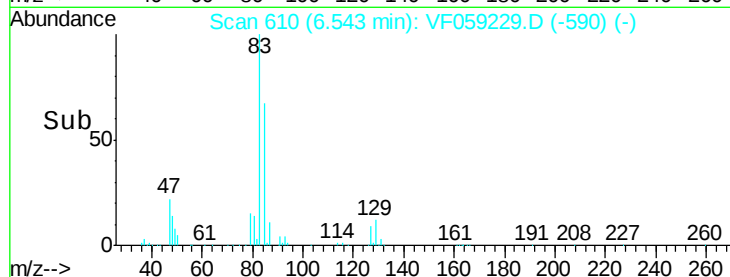
83 100

85 67.3 51.6 77.4

127 9.3 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: 59.536 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

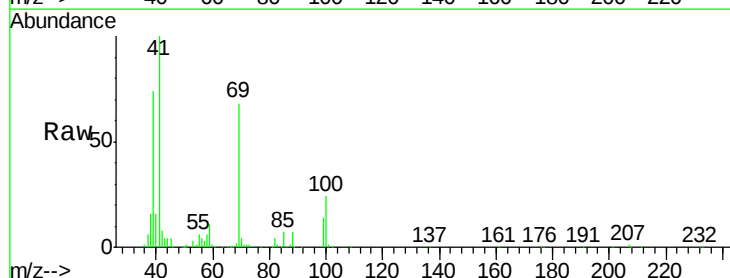
Tgt Ion: 41 Resp: 114245

Ion Ratio Lower Upper

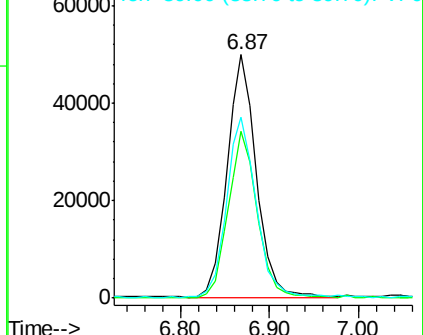
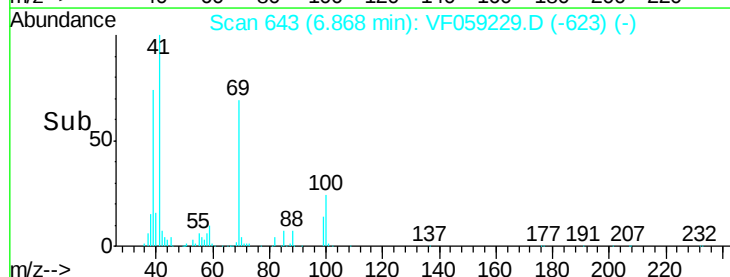
41 100

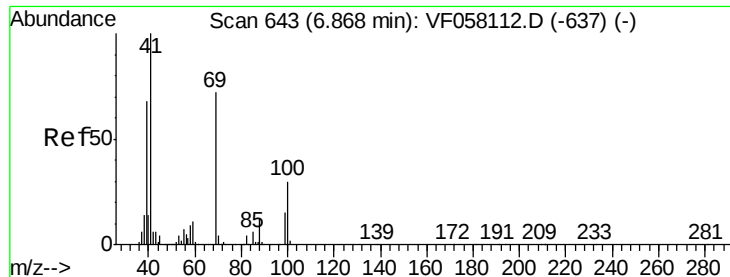
69 68.4 57.2 85.8

39 74.3 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: 857.361 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampled :

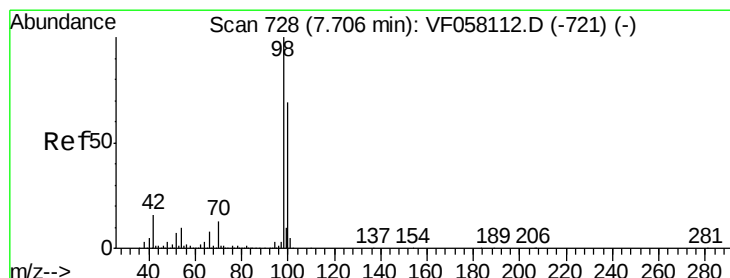
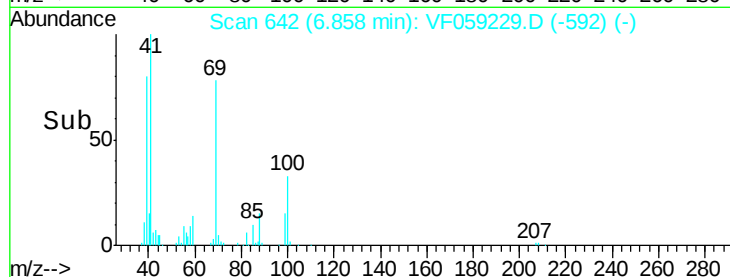
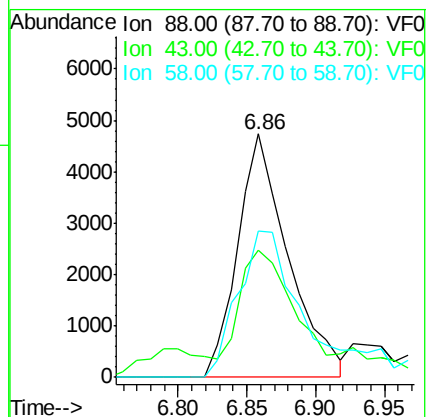
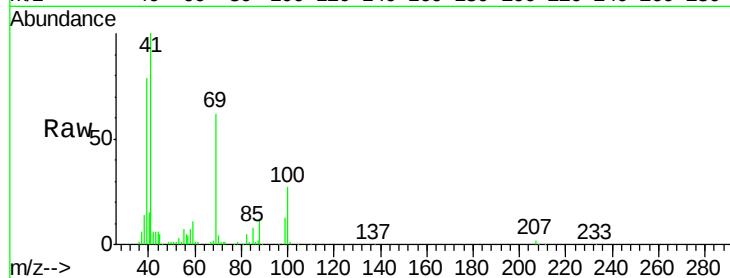
Tot Ion: 88 Resp: 12078

Ion Ratio Lower Upper

88 100

43 52.5 47.8 71.8

58 60.0 59.4 89.0



#50

Toluene-d8

Concen: 47.941 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059229.D

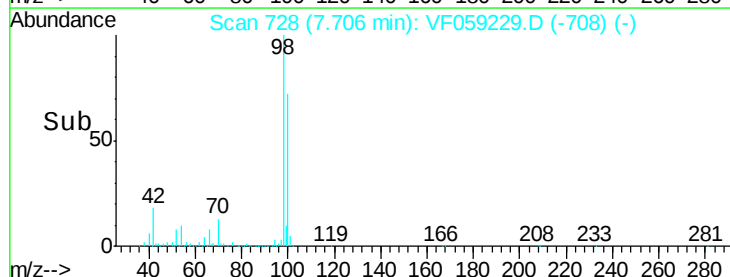
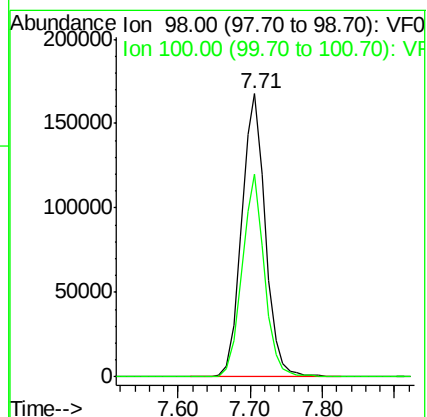
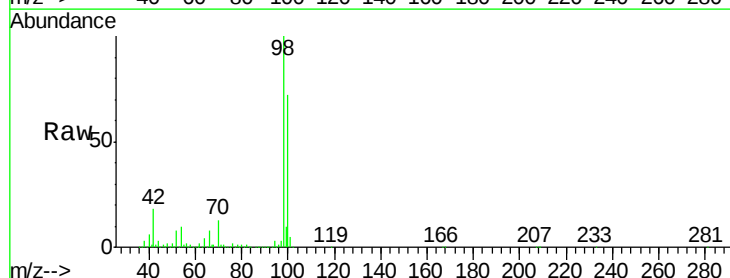
Acq: 20 Jun 2018 15:39

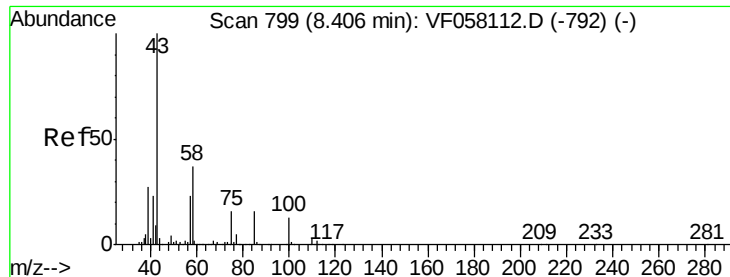
Tgt Ion: 98 Resp: 383521

Ion Ratio Lower Upper

98 100

100 71.6 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 300.776 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

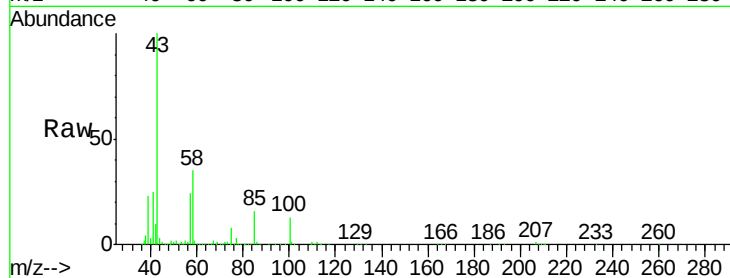
ClientSampleId :

Tot Ion: 43 Resp: 641708

Ion Ratio Lower Upper

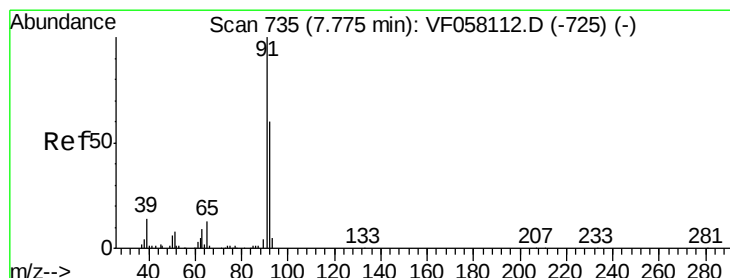
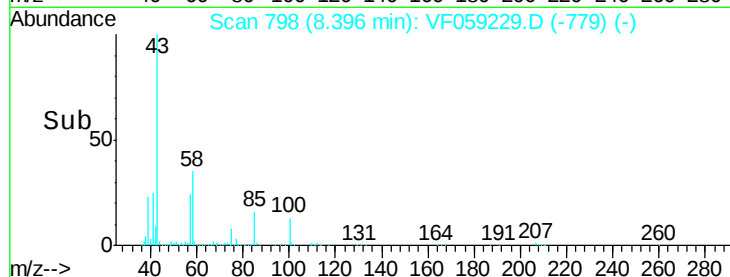
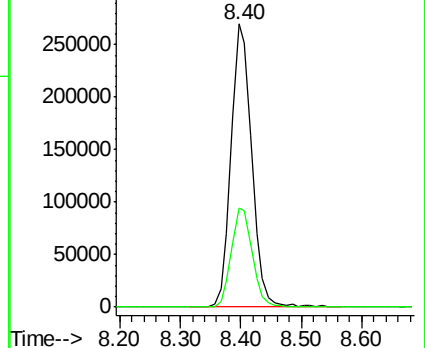
43 100

58 34.8 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: 49.106 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059229.D

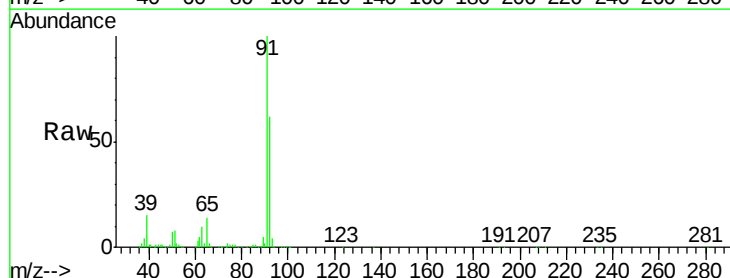
Acq: 20 Jun 2018 15:39

Tgt Ion: 92 Resp: 308823

Ion Ratio Lower Upper

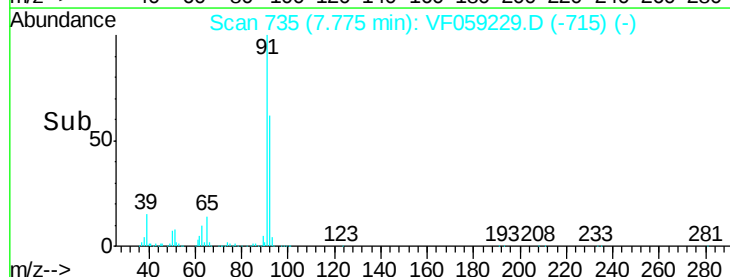
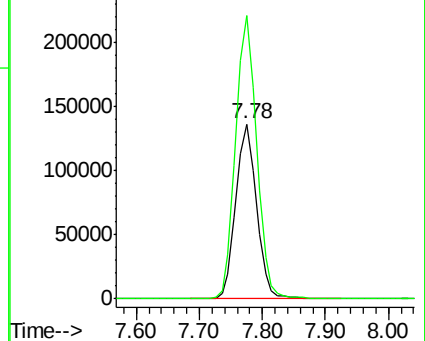
92 100

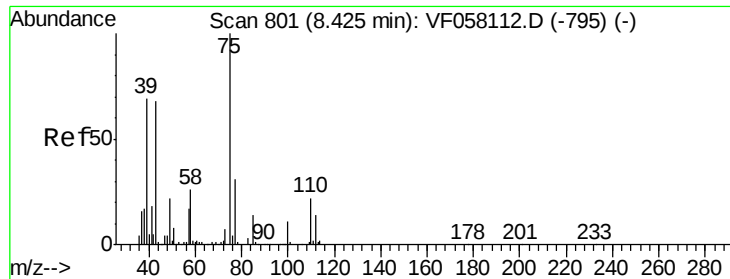
91 162.0 132.9 199.3



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: 57.917 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

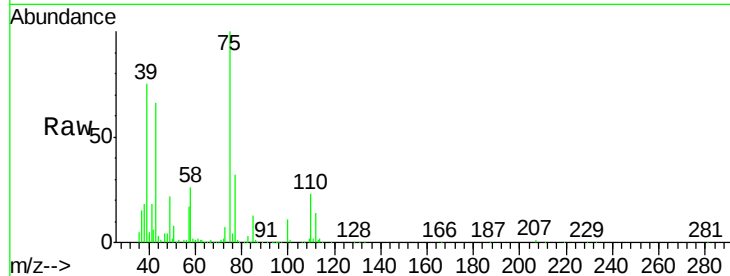
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 241698

Ion Ratio Lower Upper

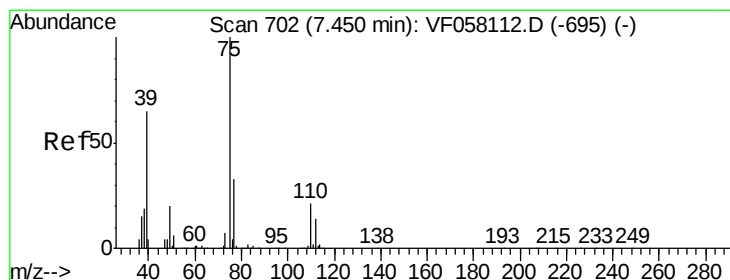
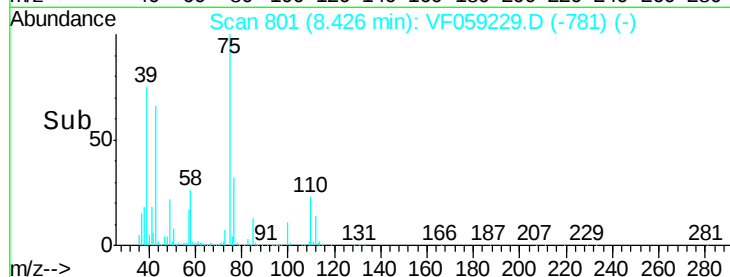
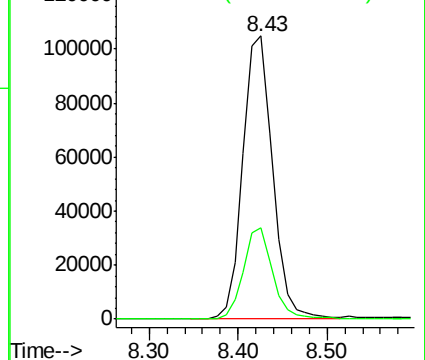
75 100

77 32.1 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 54.662 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

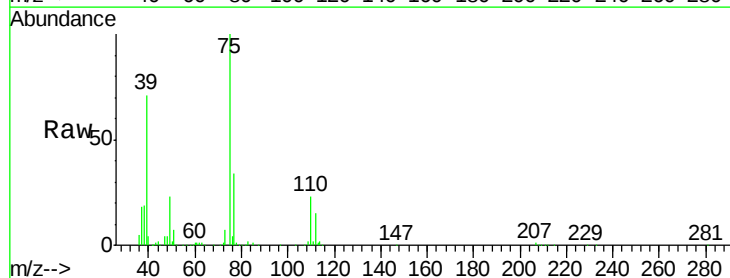
Tgt Ion: 75 Resp: 262045

Ion Ratio Lower Upper

75 100

77 34.4 26.3 39.5

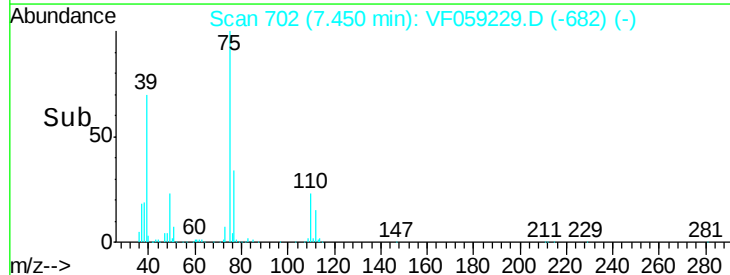
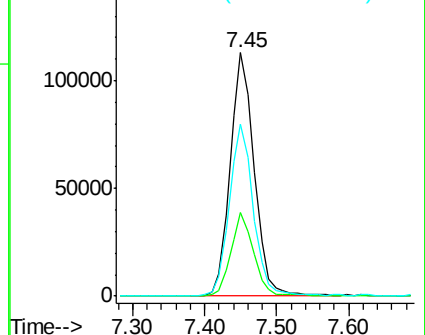
39 70.6 52.1 78.1

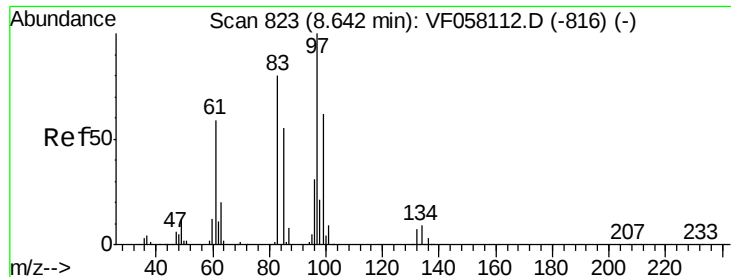


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 57.331 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

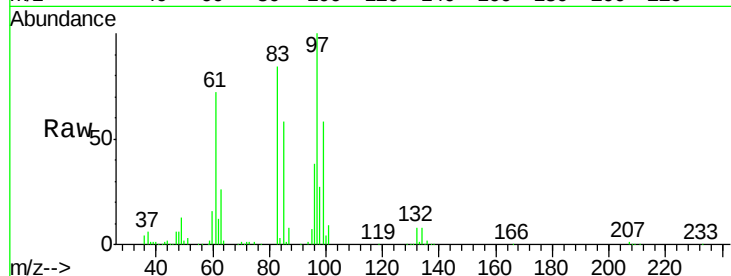
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 130653

Ion	Ratio	Lower	Upper
97	100		
83	84.1	64.3	96.5
85	58.1	43.8	65.8
99	58.0	49.8	74.8

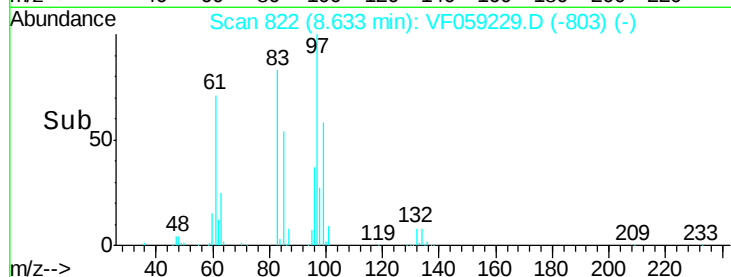


Abundance Ion 97.00 (96.70 to 97.70): VF0

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



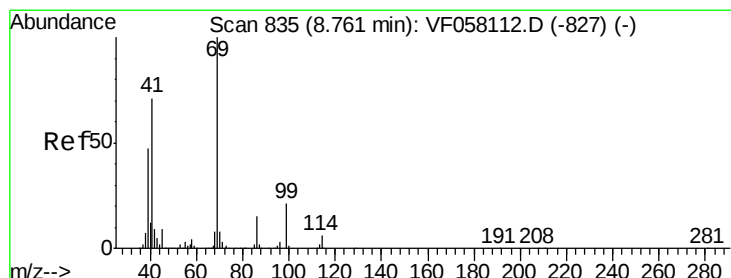
Abundance Ion 97.00 (96.70 to 97.70): VF0

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

Time-->



#56

Ethyl methacrylate

Concen: 56.832 ug/l

RT: 8.75 min Scan# 834

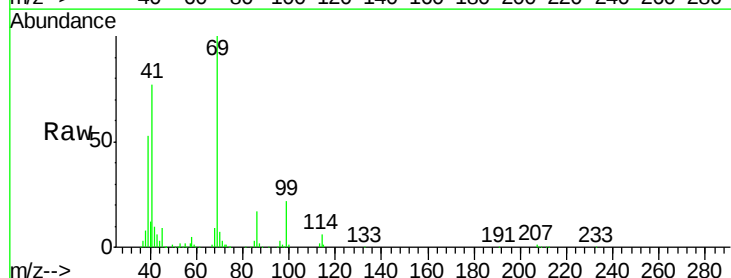
Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tgt Ion: 69 Resp: 163253

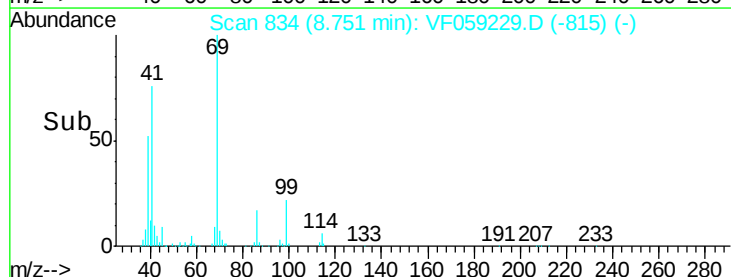
Ion	Ratio	Lower	Upper
69	100		
41	76.8	56.9	85.3
39	52.8	38.0	57.0



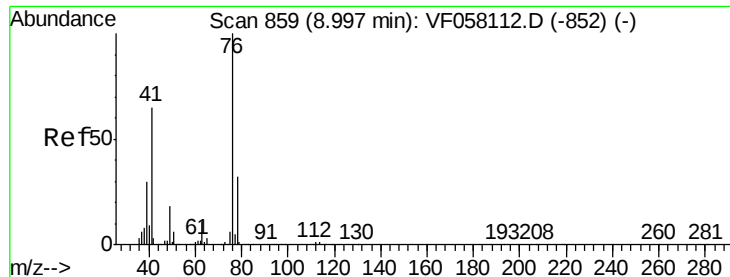
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->



#57

1,3-Dichloropropane

Concen: 58.211 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

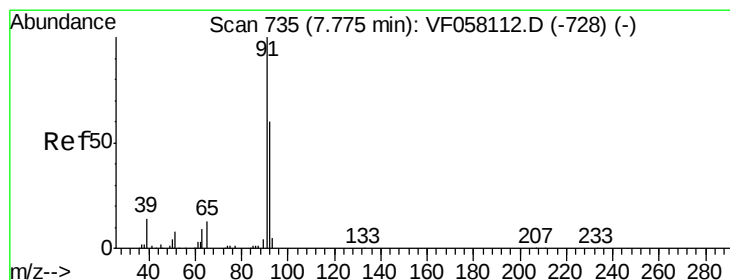
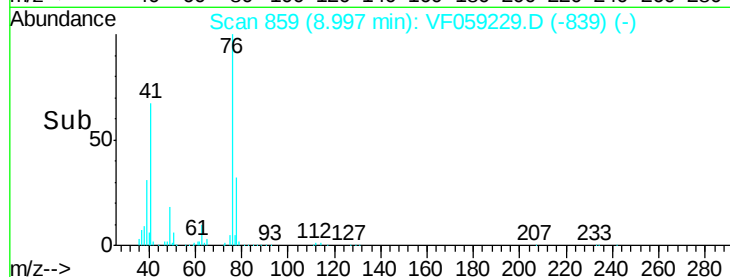
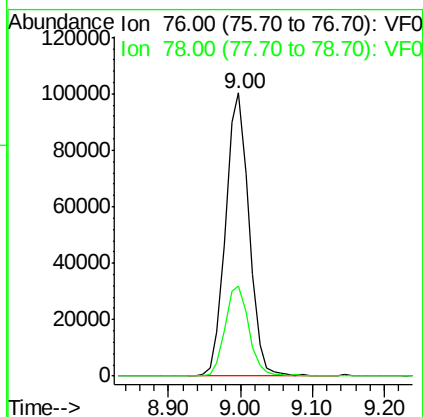
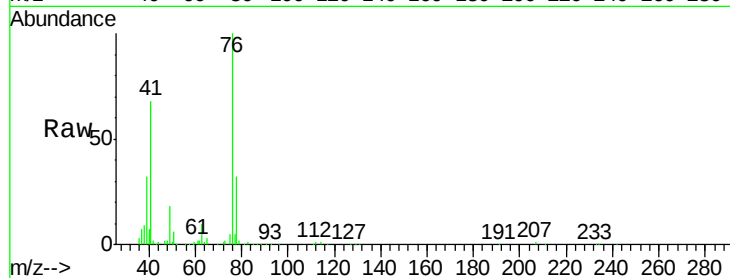
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 226929

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 257.877 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059229.D

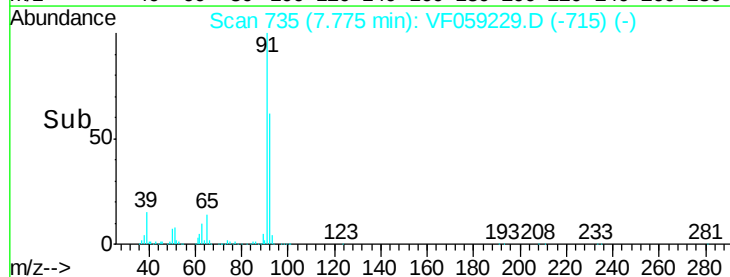
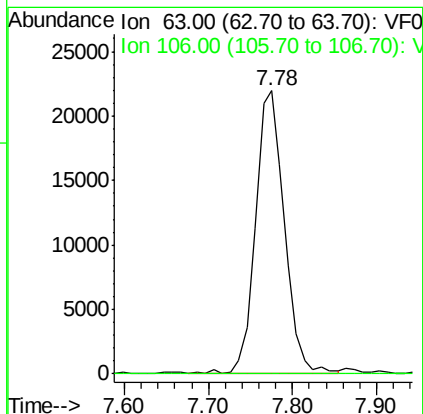
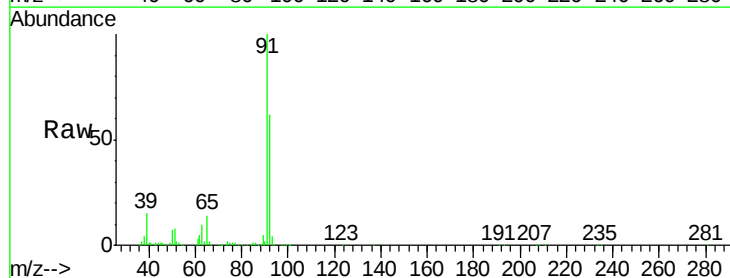
Acq: 20 Jun 2018 15:39

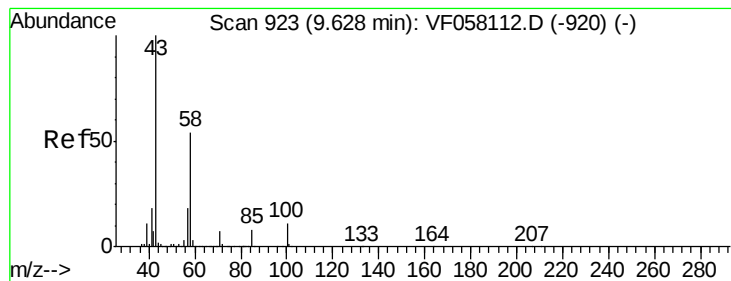
Tgt Ion: 63 Resp: 52968

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 311.967 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

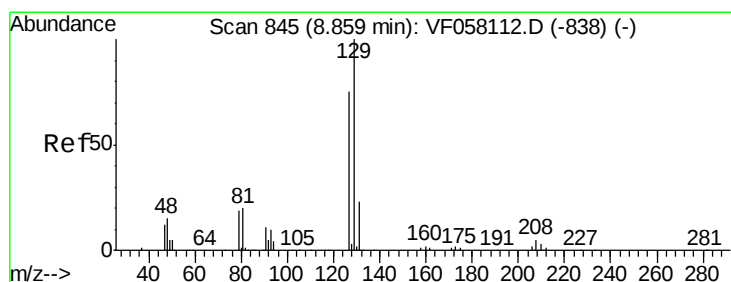
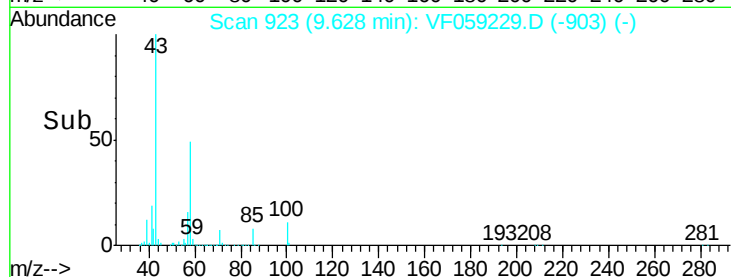
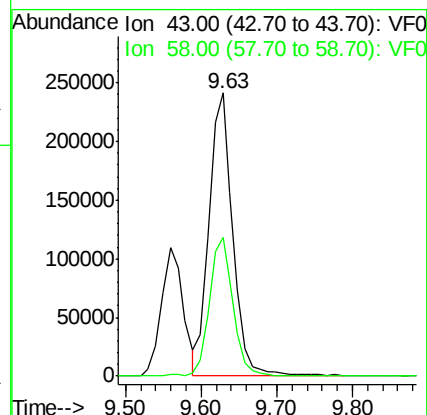
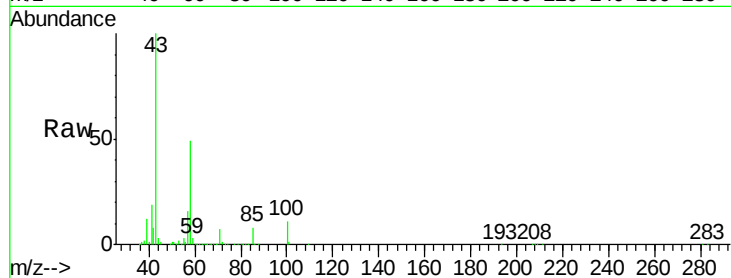
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 526475

Ion Ratio Lower Upper

43 100

58 49.0 26.3 78.8



#60

Dibromochloromethane

Concen: 59.264 ug/l

RT: 8.86 min Scan# 845

Delta R.T. 0.00 min

Lab File: VF059229.D

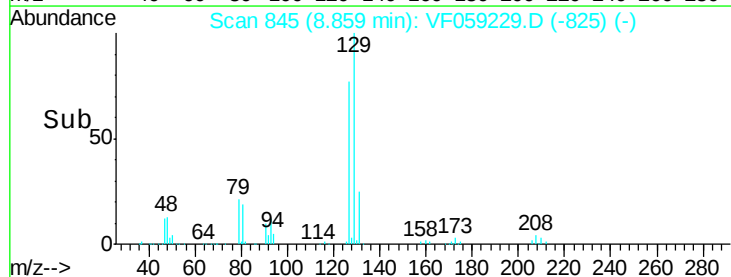
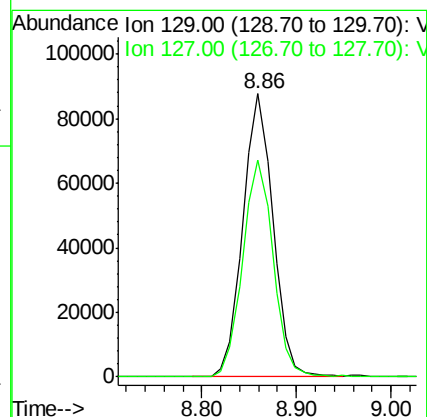
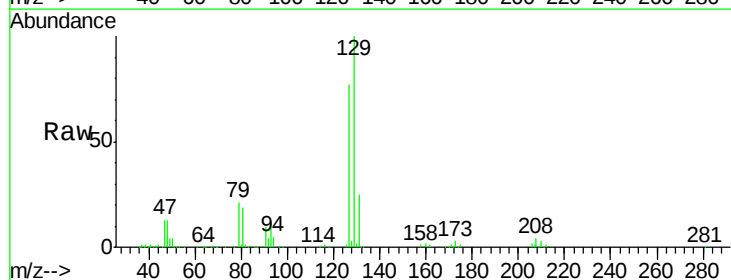
Acq: 20 Jun 2018 15:39

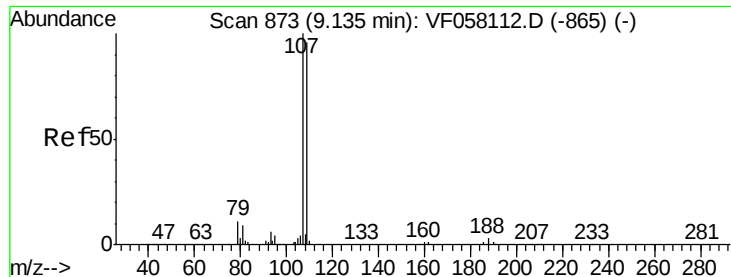
Tgt Ion: 129 Resp: 194080

Ion Ratio Lower Upper

129 100

127 76.7 37.6 112.9





#61

1,2-Dibromoethane

Concen: 59.493 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

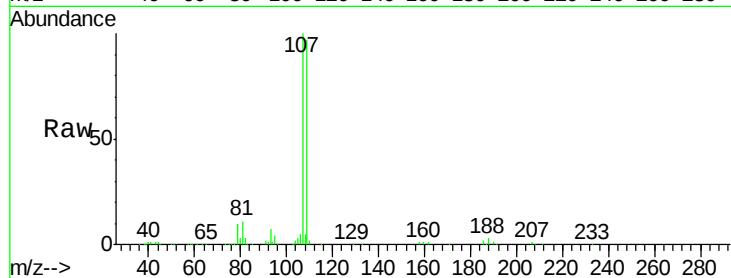
ClientSampleId :

Tot Ion:107 Resp: 157540

Ion Ratio Lower Upper

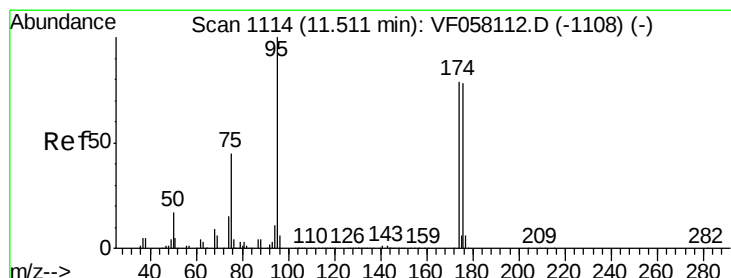
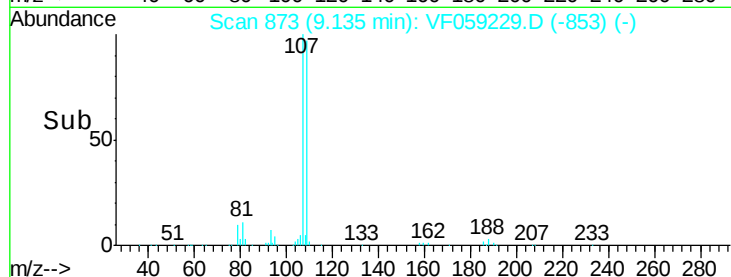
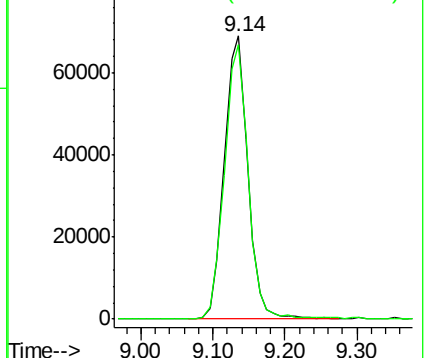
107 100

109 97.1 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: 53.154 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

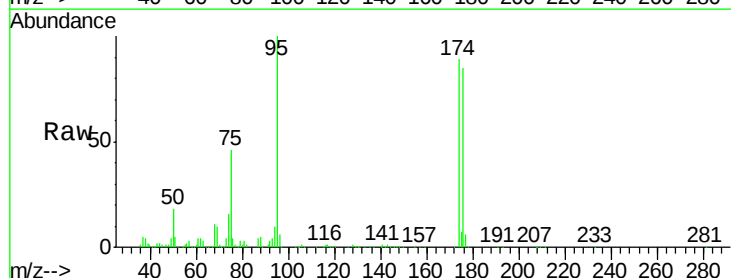
Tgt Ion: 95 Resp: 218102

Ion Ratio Lower Upper

95 100

174 88.8 0.0 157.8

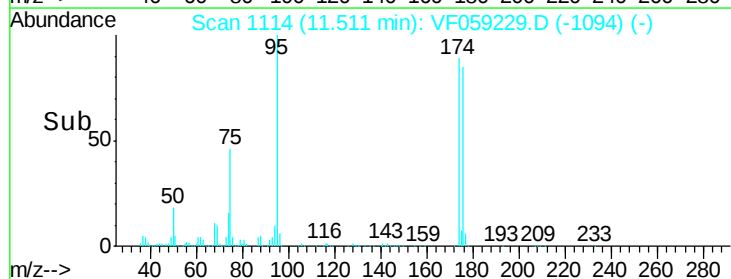
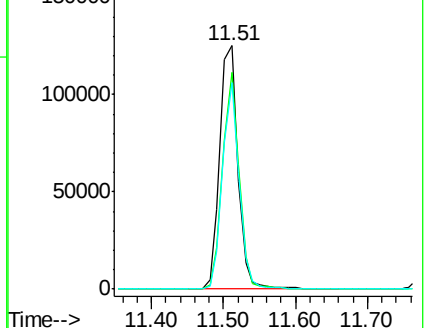
176 85.0 0.0 155.8

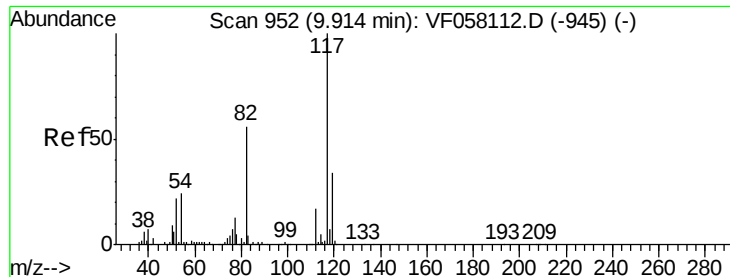


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

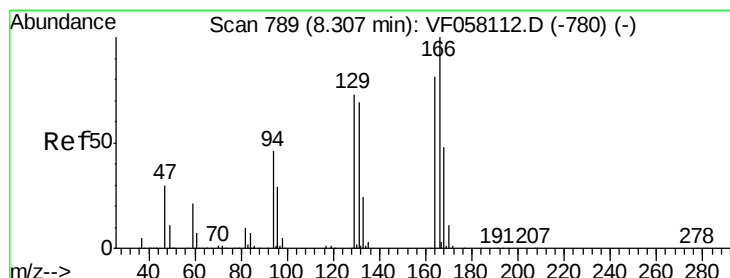
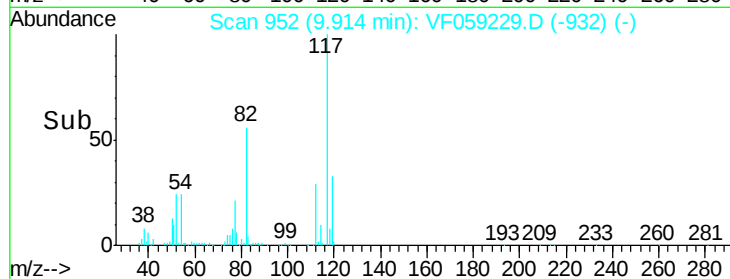
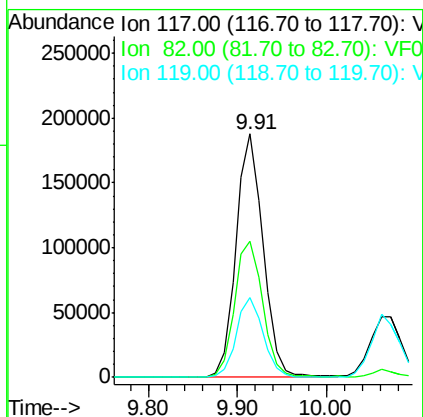
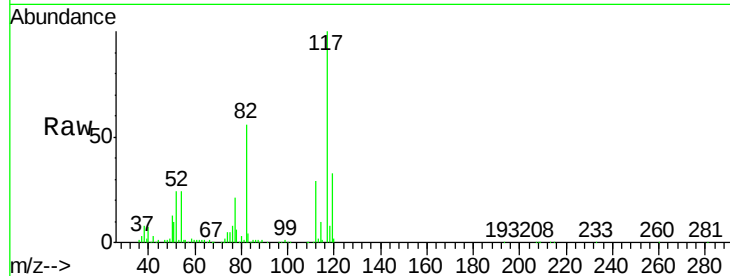




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

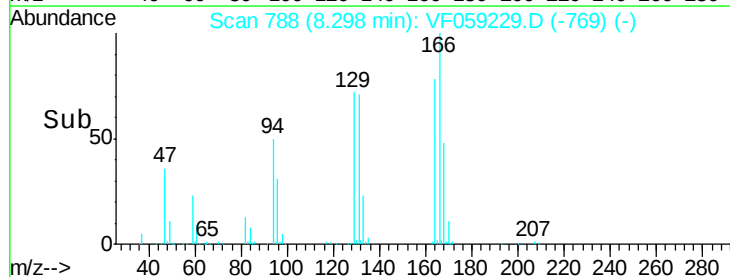
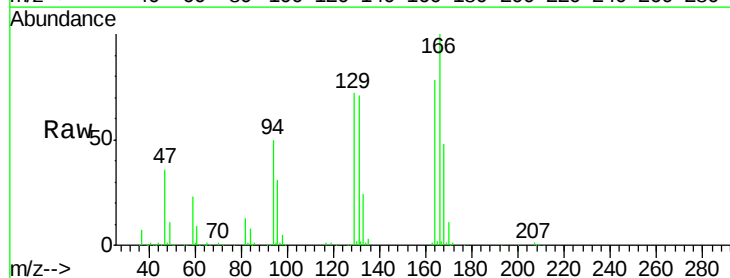
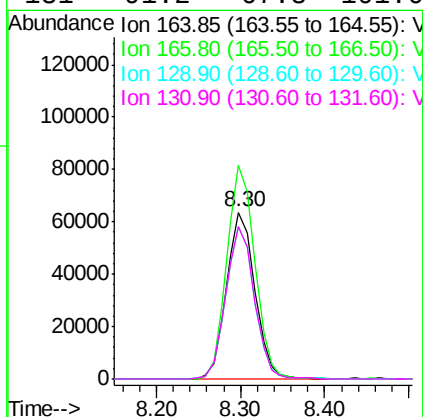
Instrument :
MSVOA_F
ClientSampled :

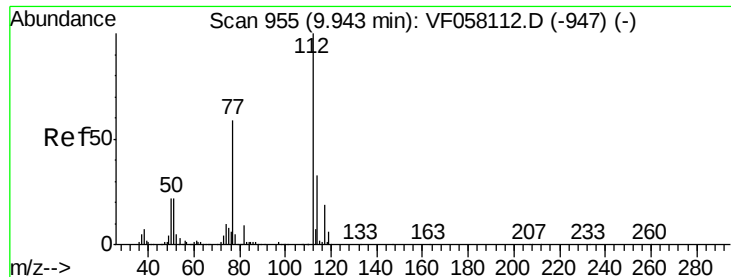
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.2	67.8
119	32.9	27.5	41.3



#64
Tetrachloroethene
Concen: 51.012 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	98.2	147.4
129	91.5	71.6	107.4
131	91.2	67.8	101.6

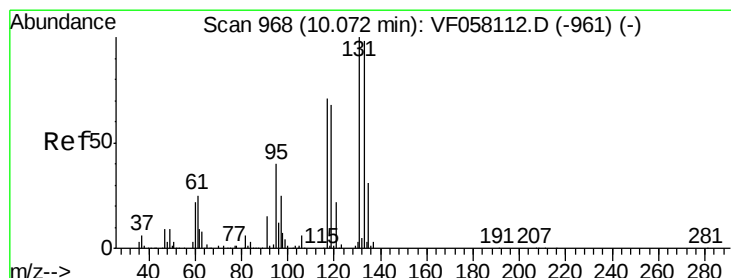
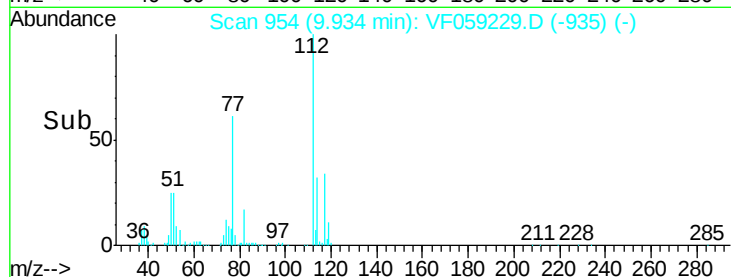
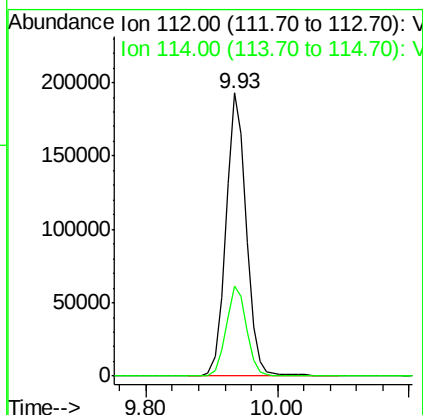
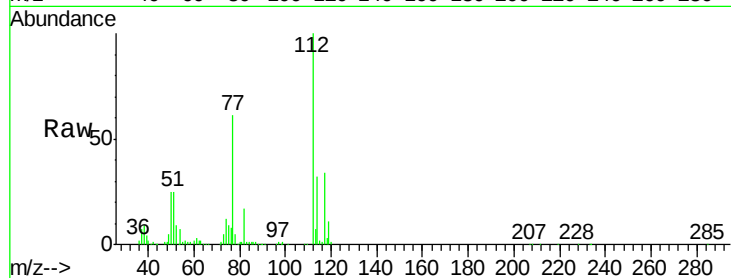




#65
Chlorobenzene
Concen: 52.819 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

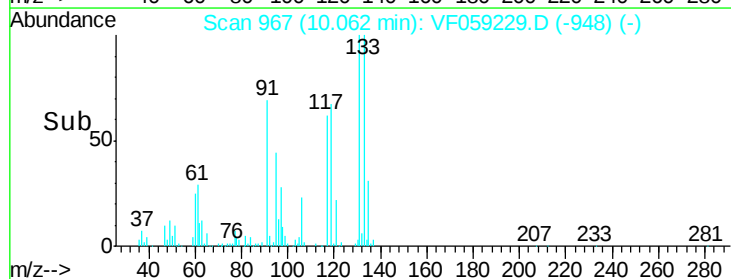
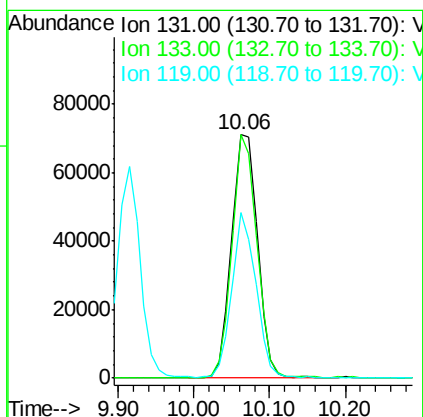
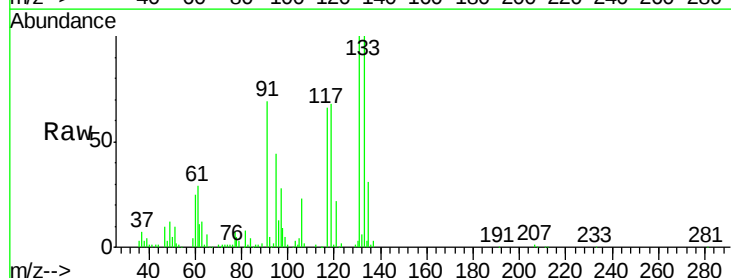
Instrument :
MSVOA_F
ClientSampleId :

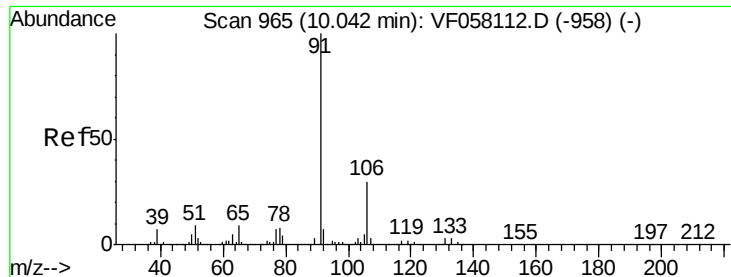
Tot Ion:112 Resp: 417717
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 53.727 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion:131 Resp: 169023
Ion Ratio Lower Upper
131 100
133 100.2 49.1 147.4
119 68.1 34.3 102.8

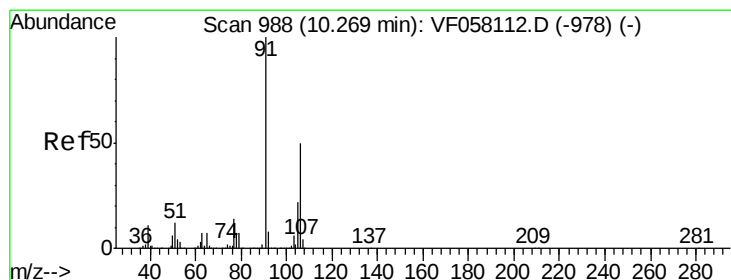
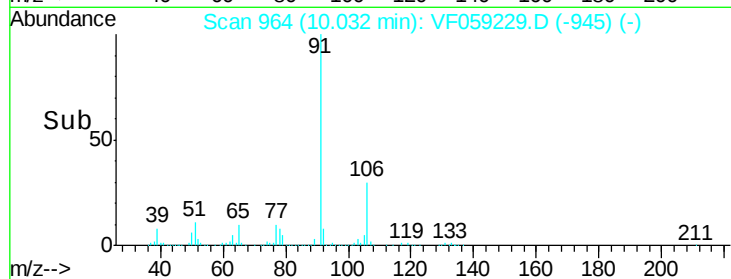
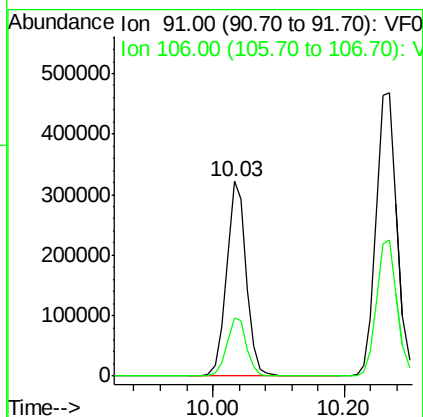
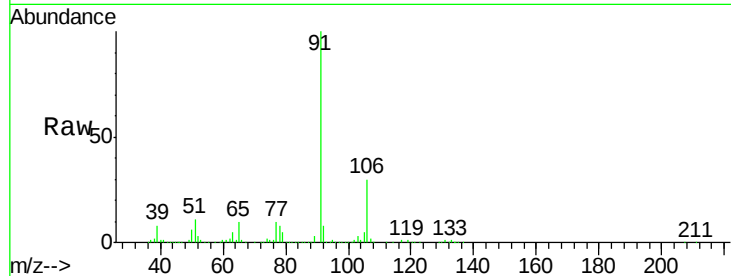




#67
Ethyl Benzene
Concen: 48.989 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

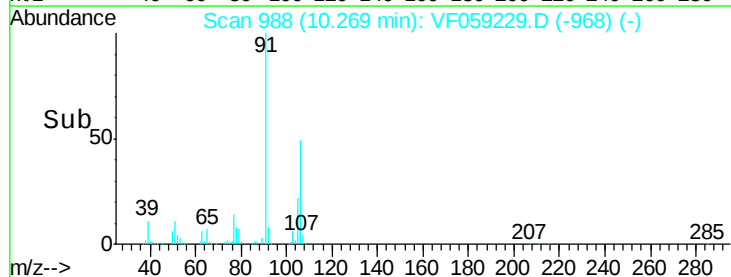
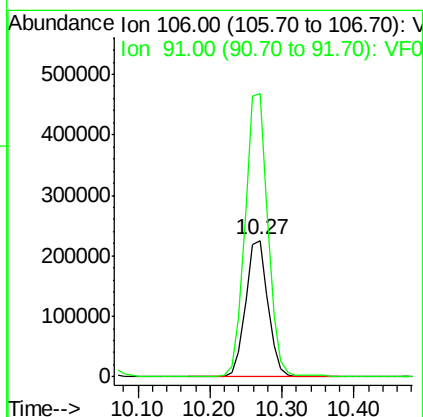
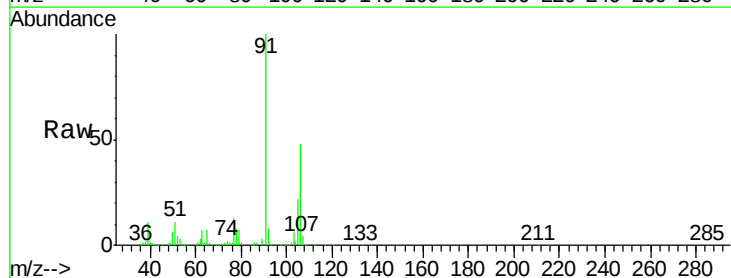
Instrument :
MSVOA_F
ClientSampled :

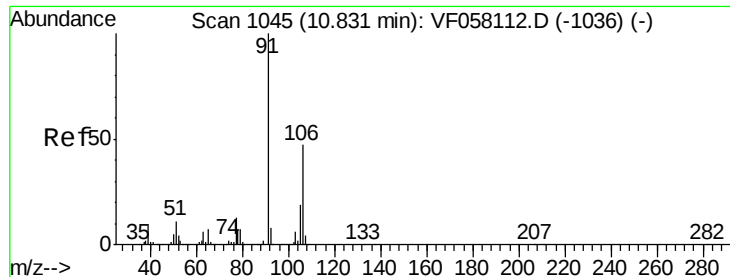
Tot Ion: 91 Resp: 673202
Ion Ratio Lower Upper
91 100
106 29.7 24.2 36.4



#68
m/p-Xylenes
Concen: 95.437 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion: 106 Resp: 491010
Ion Ratio Lower Upper
106 100
91 206.9 160.7 241.1

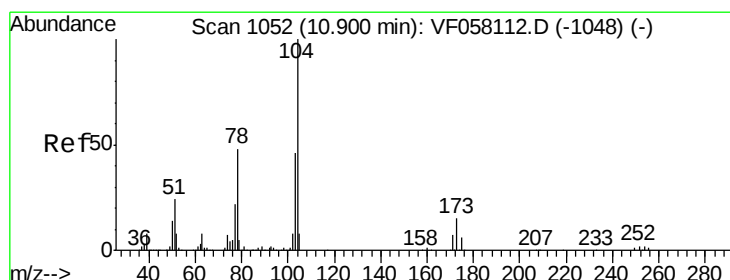
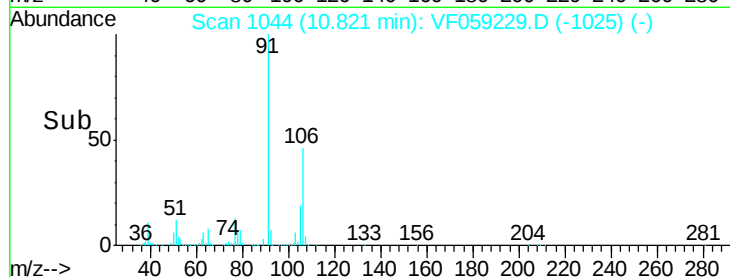
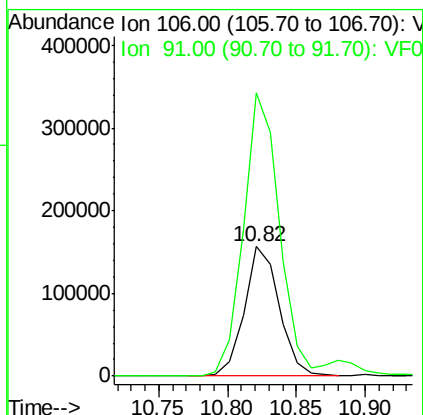
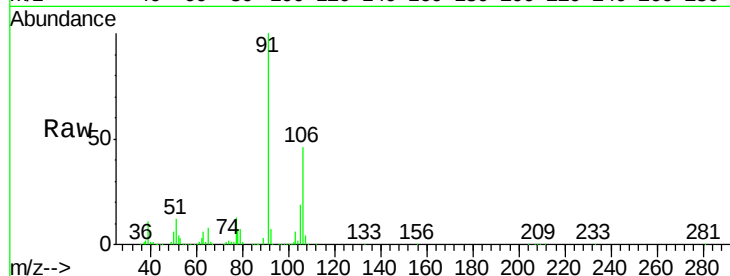




#69
o-Xylene
Concen: 49.924 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

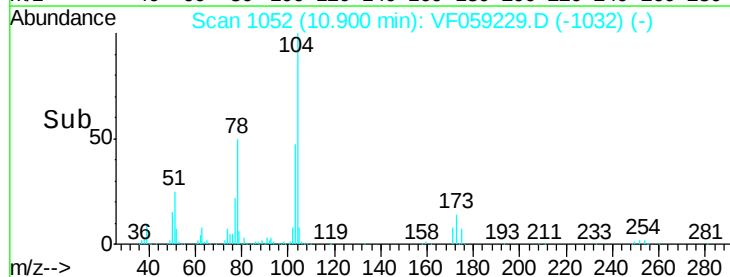
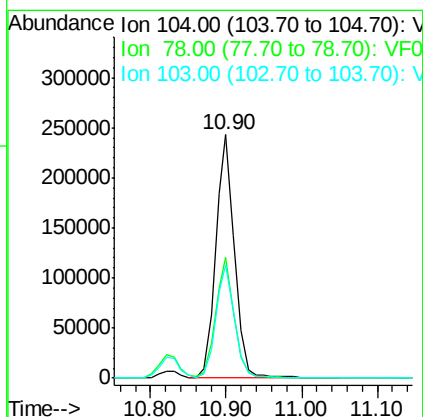
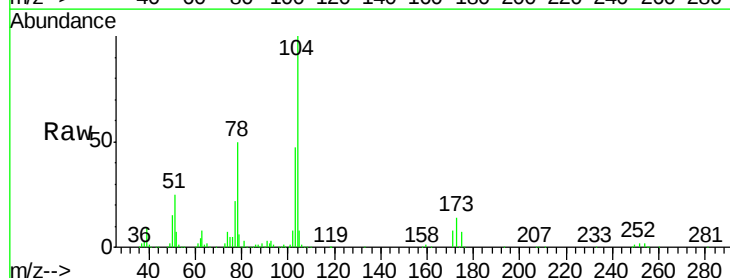
Instrument :
MSVOA_F
ClientSampleId :

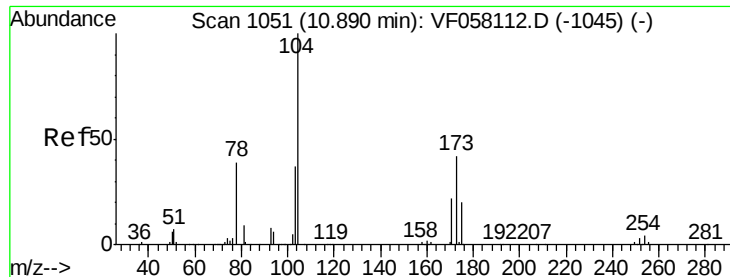
Tot Ion:106 Resp: 277600
Ion Ratio Lower Upper
106 100
91 219.1 107.0 321.0



#70
Styrene
Concen: 49.834 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion:104 Resp: 419258
Ion Ratio Lower Upper
104 100
78 49.6 38.4 57.6
103 46.6 37.0 55.6

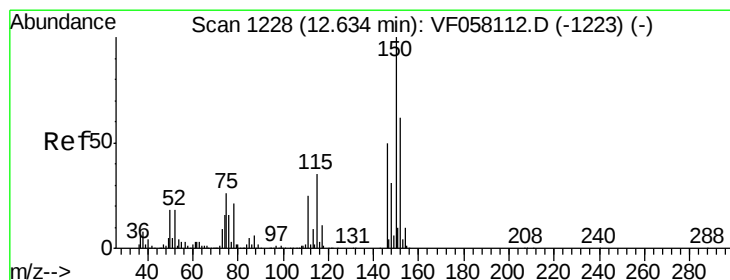
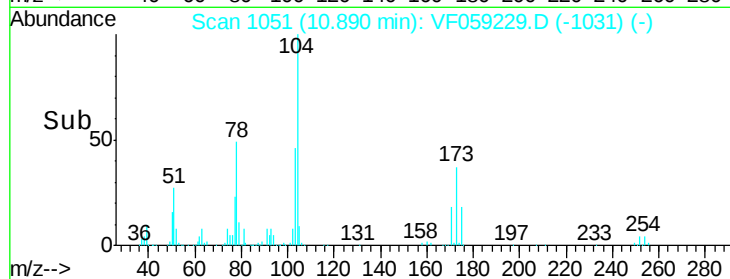
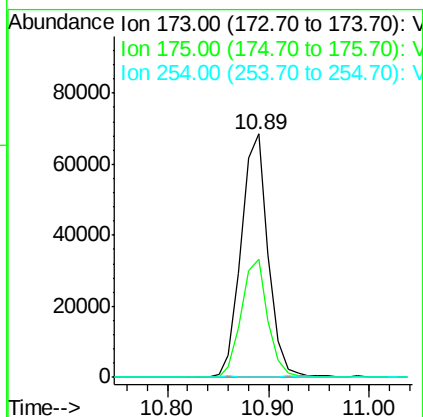
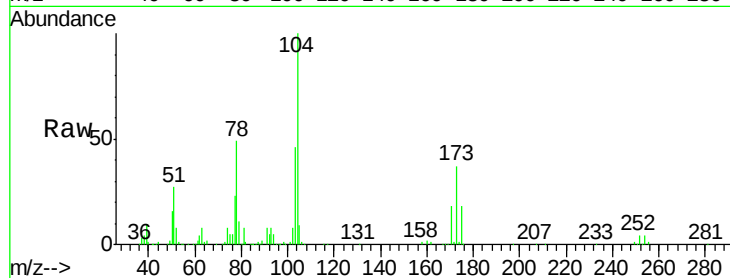




#71
Bromoform
Concen: 59.894 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

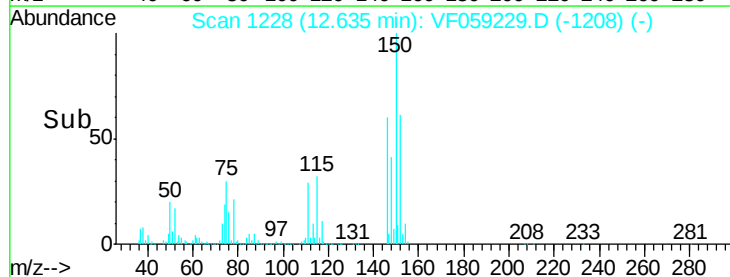
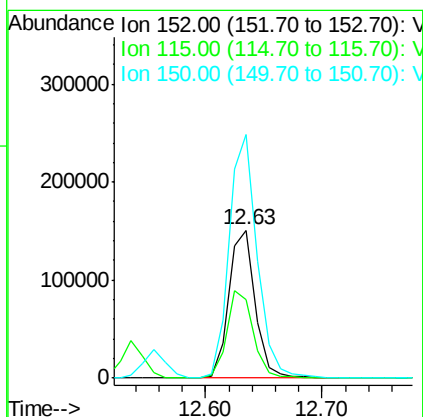
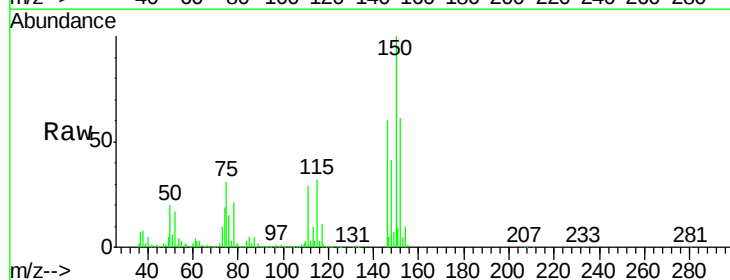
Instrument :
MSVOA_F
ClientSampled :

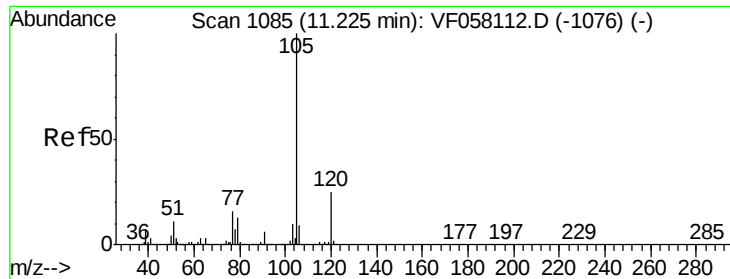
Tot Ion:173 Resp: 127961
Ion Ratio Lower Upper
173 100
175 49.2 24.6 74.0
254 0.0 7.8 11.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion:152 Resp: 236627
Ion Ratio Lower Upper
152 100
115 53.4 28.5 85.5
150 164.6 0.0 323.8





#73

Isopropylbenzene

Concen: 48.962 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

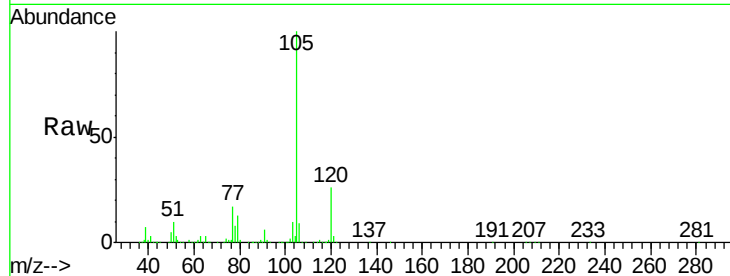
ClientSampled :

Tot Ion:105 Resp: 802137

Ion Ratio Lower Upper

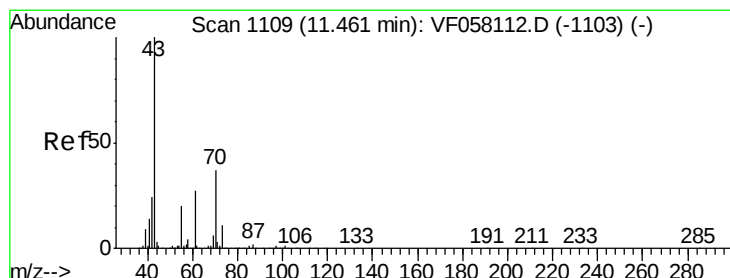
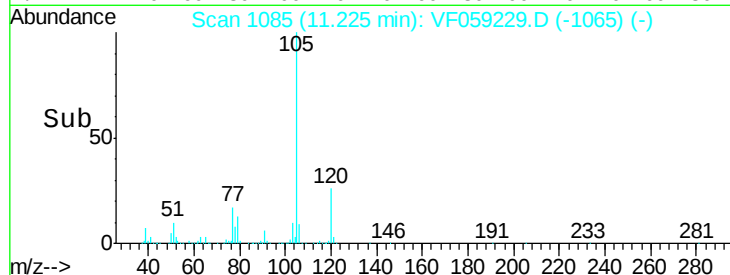
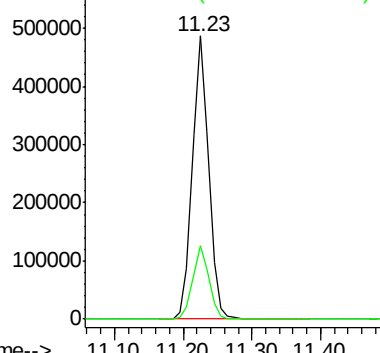
105 100

120 25.8 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: 50.700 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tgt Ion: 43 Resp: 296701

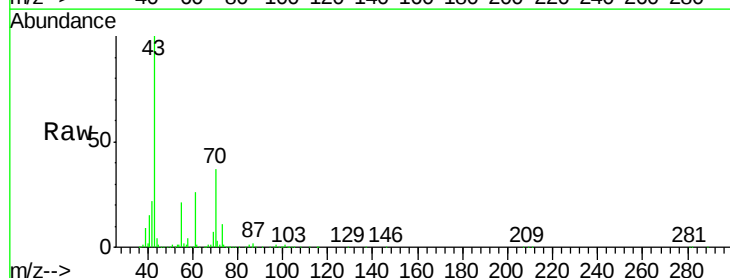
Ion Ratio Lower Upper

43 100

70 36.9 29.2 43.8

55 20.9 15.8 23.6

61 25.9 21.3 31.9

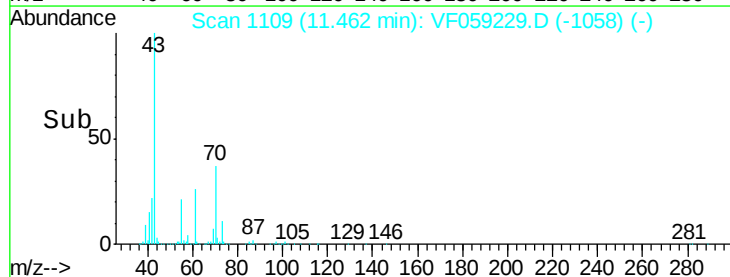
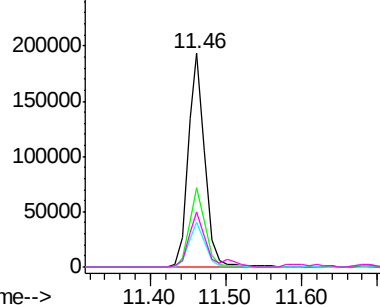


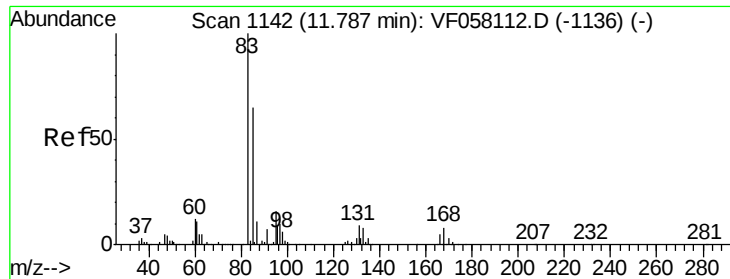
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 51.874 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

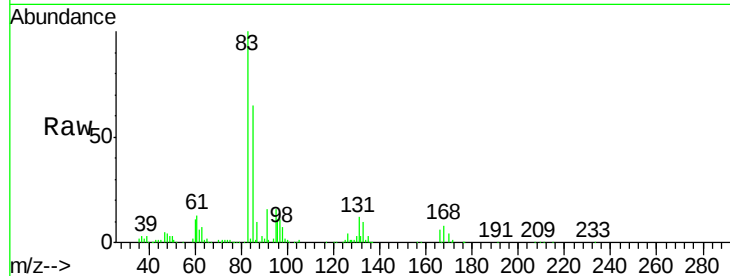
Tot Ion: 83 Resp: 201481

Ion Ratio Lower Upper

83 100

131 11.6 4.5 13.7

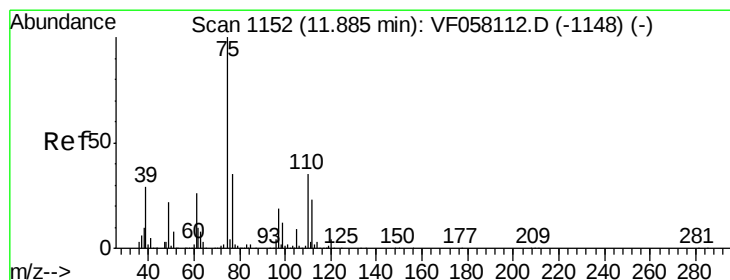
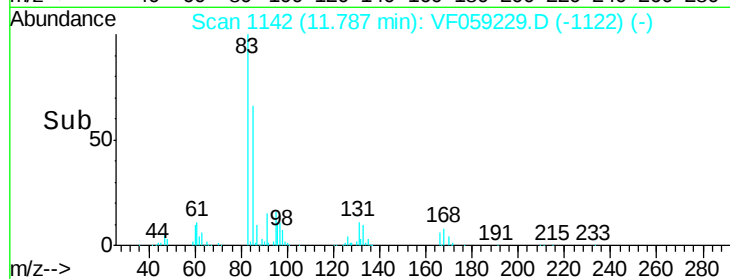
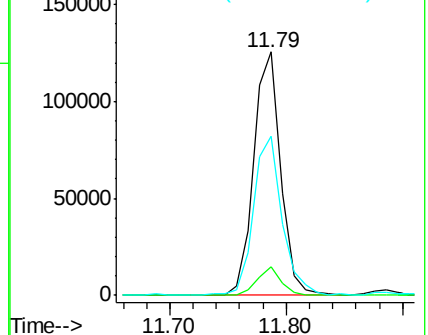
85 65.4 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 52.711 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059229.D

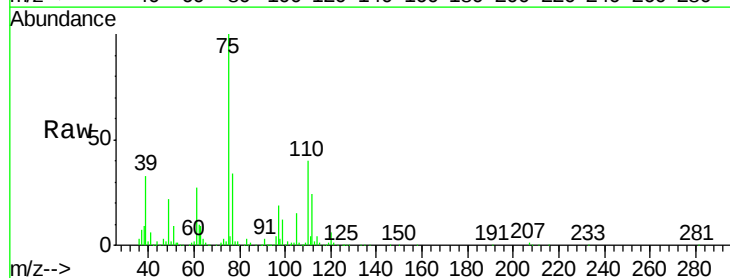
Acq: 20 Jun 2018 15:39

Tgt Ion: 75 Resp: 151205

Ion Ratio Lower Upper

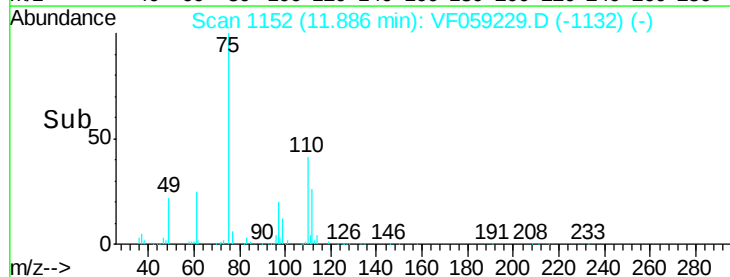
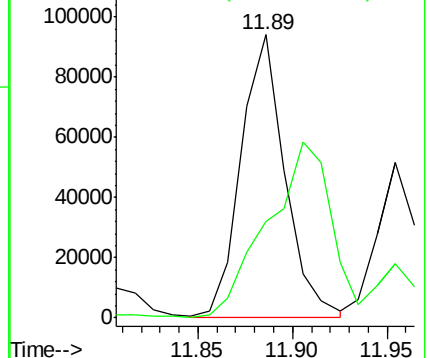
75 100

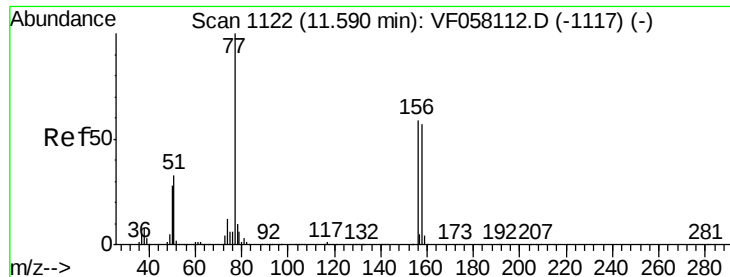
77 33.9 17.5 52.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.889 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

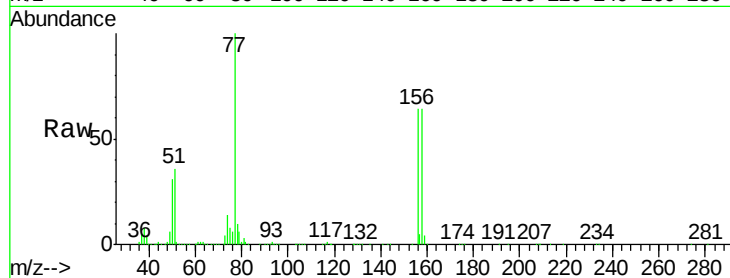
Tot Ion:156 Resp: 213944

Ion Ratio Lower Upper

156 100

77 155.9 84.8 254.4

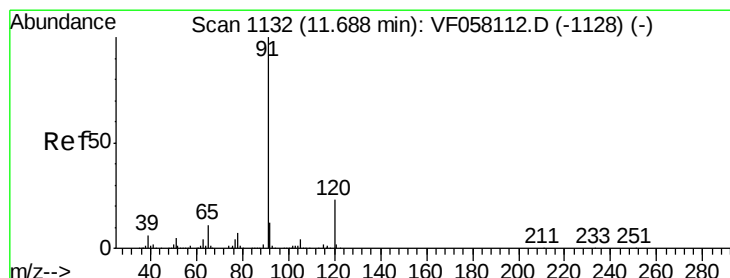
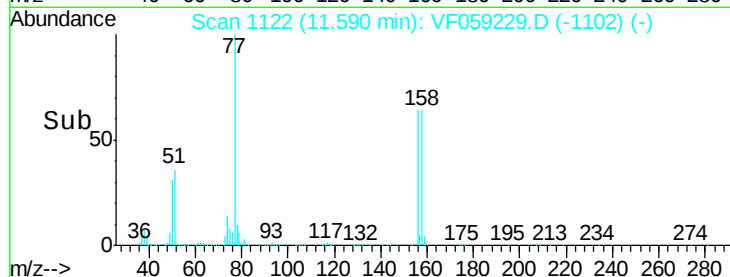
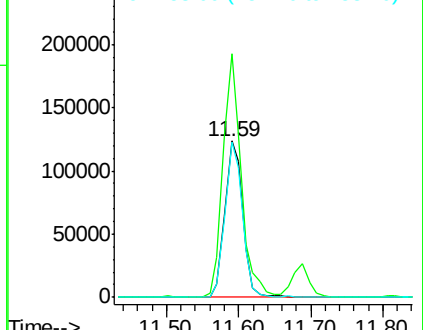
158 99.2 47.9 143.7



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: 48.013 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059229.D

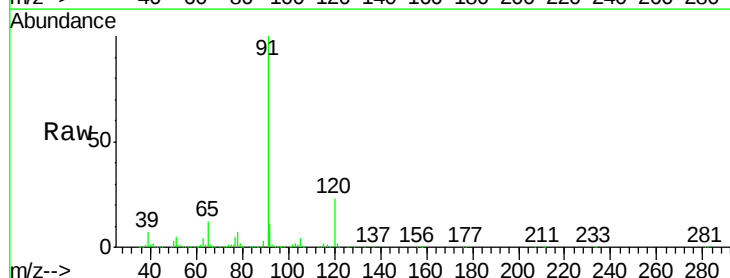
Acq: 20 Jun 2018 15:39

Tgt Ion: 91 Resp: 931029

Ion Ratio Lower Upper

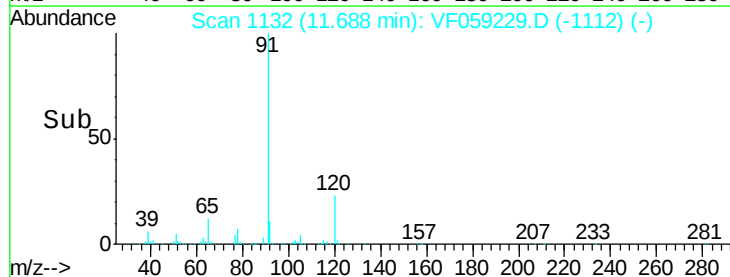
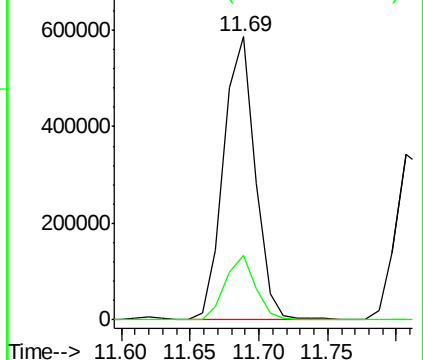
91 100

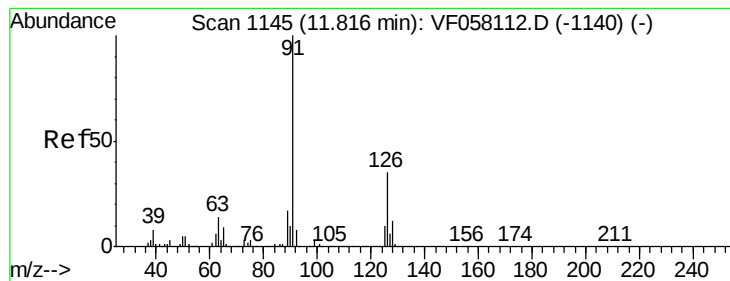
120 22.8 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.717 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

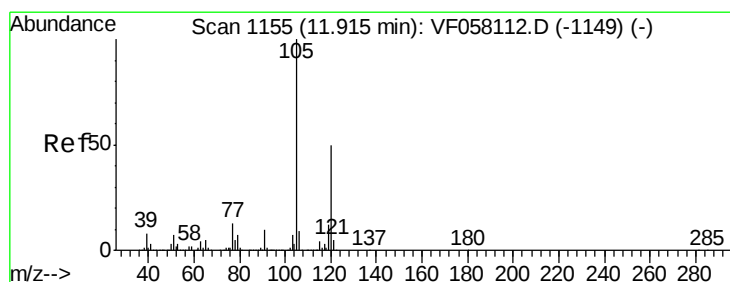
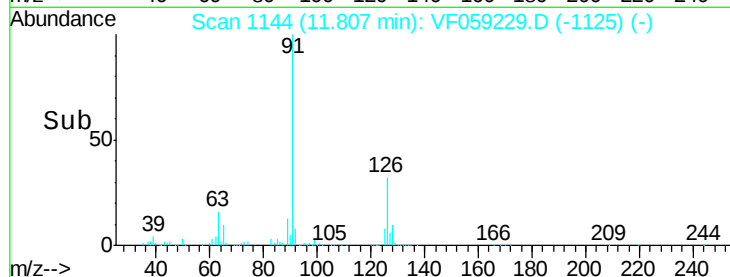
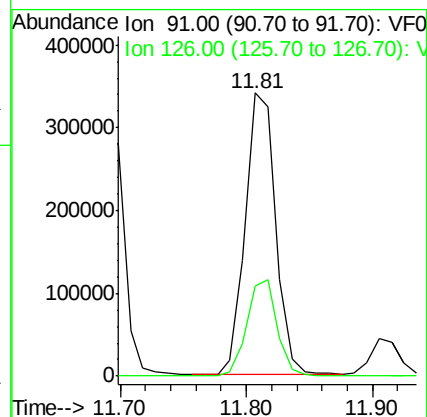
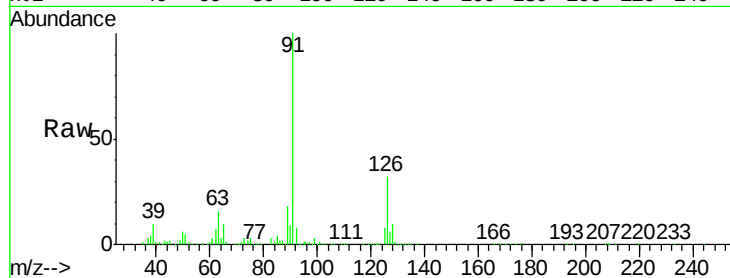
ClientSampleId :

Tot Ion: 91 Resp: 569536

Ion Ratio Lower Upper

91 100

126 31.7 17.6 52.9



#80

1,3,5-Trimethylbenzene

Concen: 48.441 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059229.D

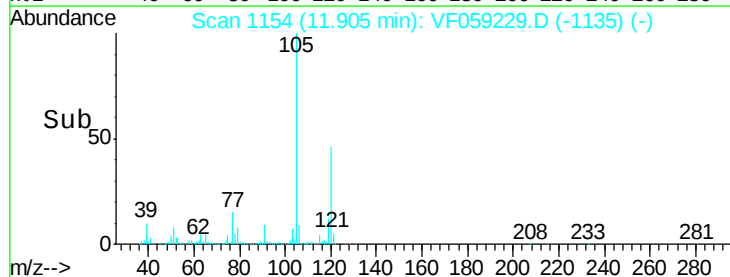
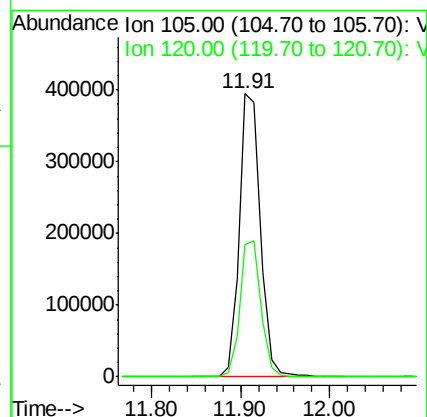
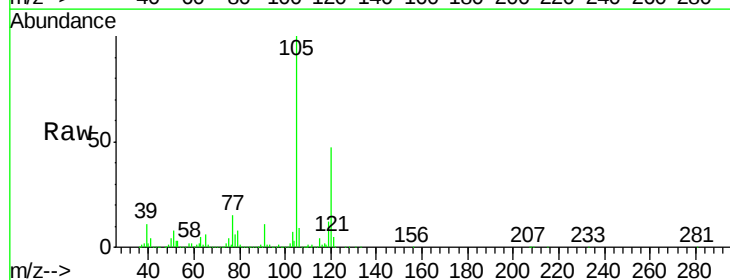
Acq: 20 Jun 2018 15:39

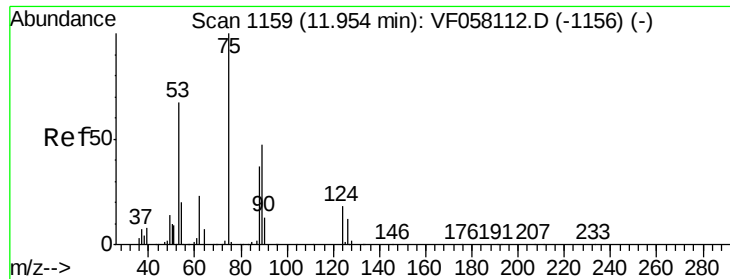
Tgt Ion: 105 Resp: 656825

Ion Ratio Lower Upper

105 100

120 47.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.127 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

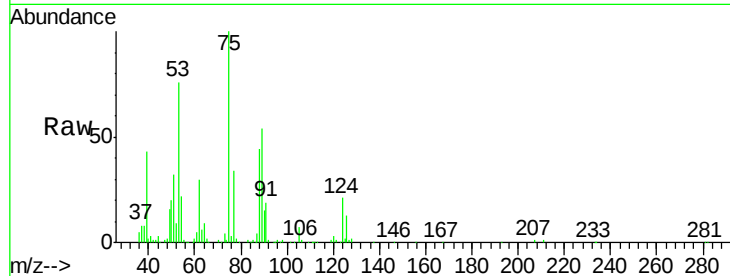
Tot Ion: 75 Resp: 95089

Ion Ratio Lower Upper

75 100

53 76.0 58.7 88.1

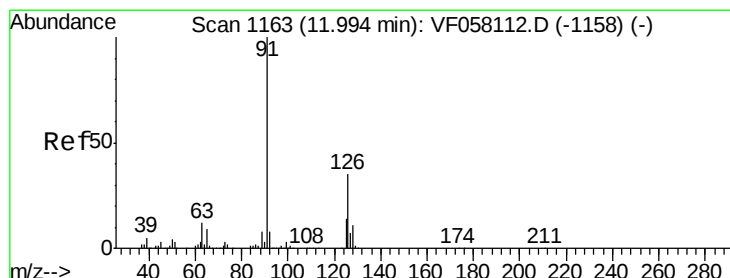
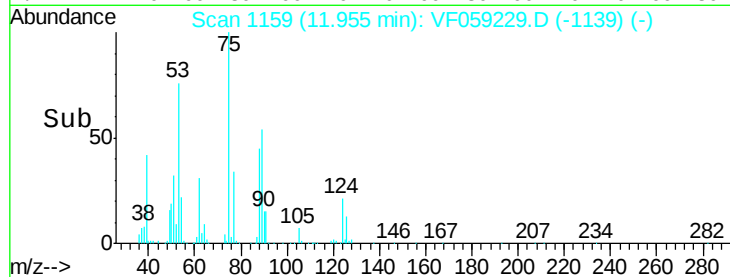
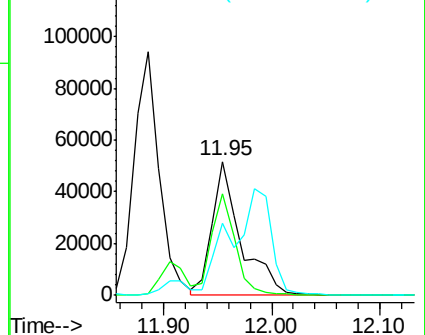
89 53.9 39.8 59.6



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: 49.989 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059229.D

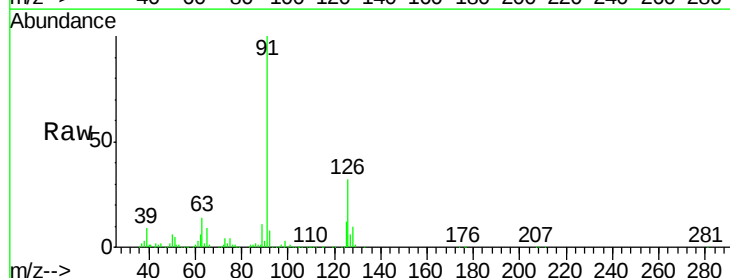
Acq: 20 Jun 2018 15:39

Tgt Ion: 91 Resp: 609651

Ion Ratio Lower Upper

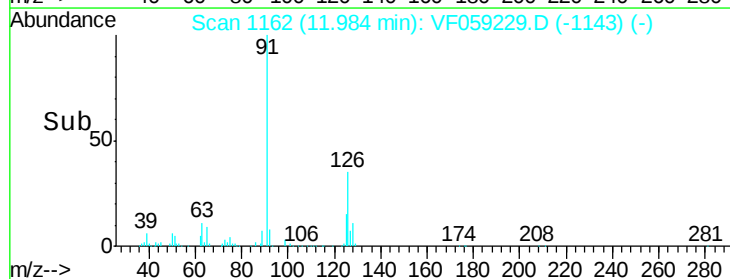
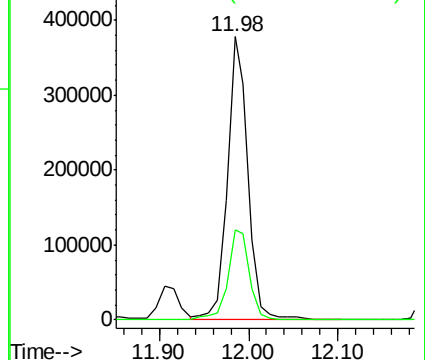
91 100

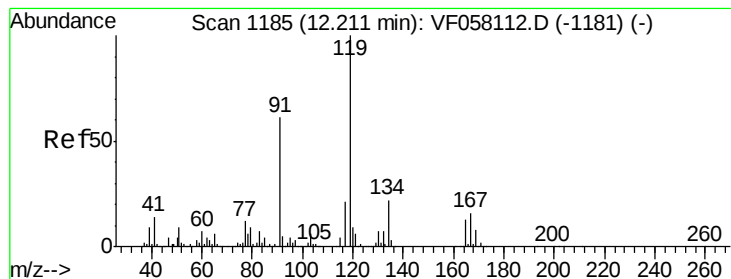
126 32.0 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 51.591 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

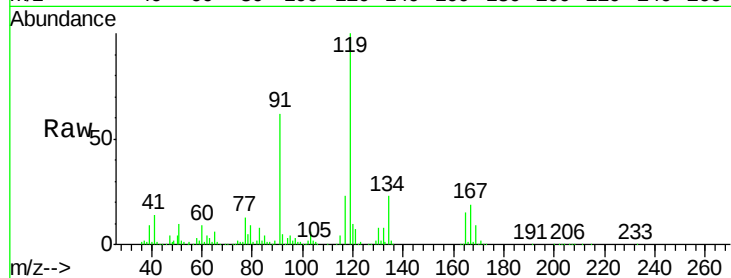
Tot Ion:119 Resp: 694598

Ion Ratio Lower Upper

119 100

91 61.8 30.4 91.3

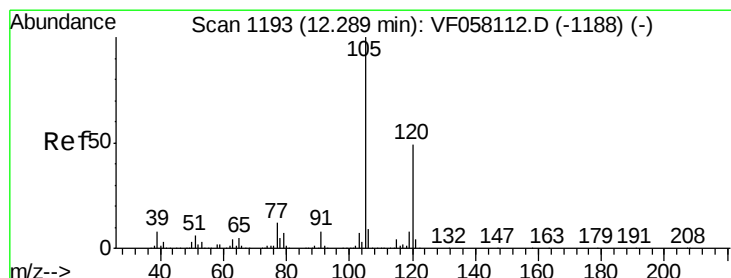
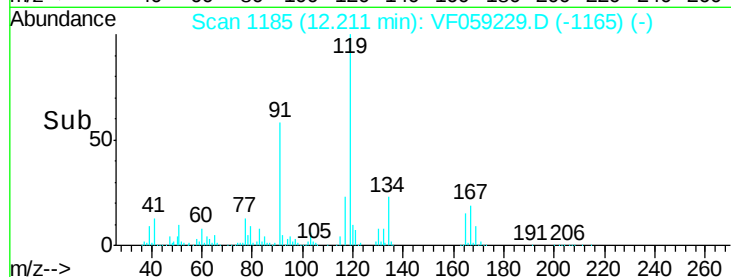
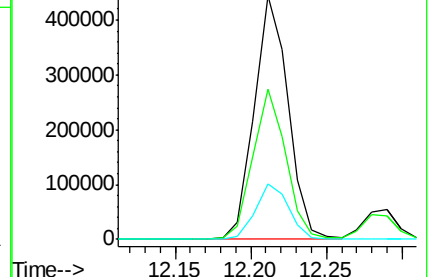
134 22.8 11.2 33.5



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: 49.280 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF059229.D

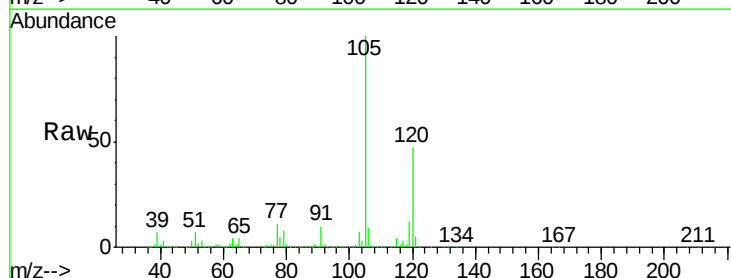
Acq: 20 Jun 2018 15:39

Tgt Ion:105 Resp: 692351

Ion Ratio Lower Upper

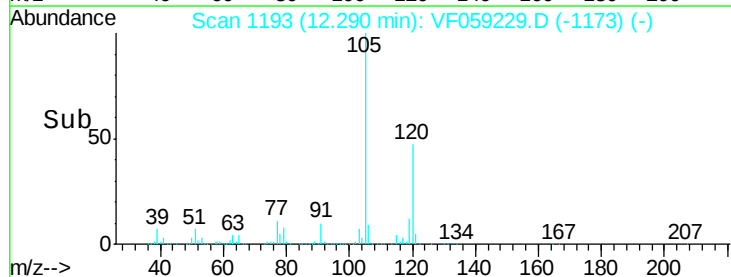
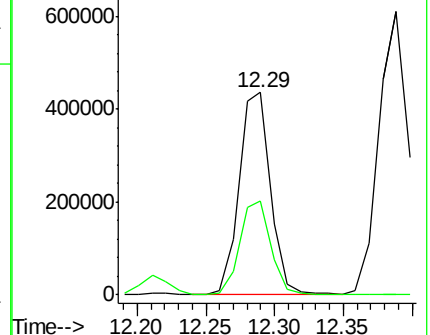
105 100

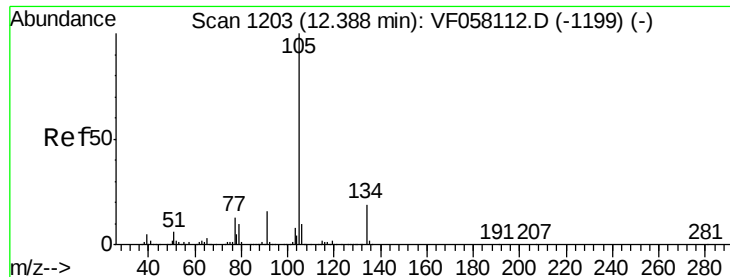
120 46.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.376 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

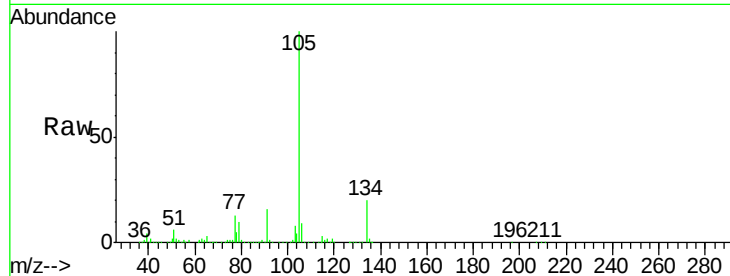
ClientSampled :

Tot Ion:105 Resp: 921601

Ion Ratio Lower Upper

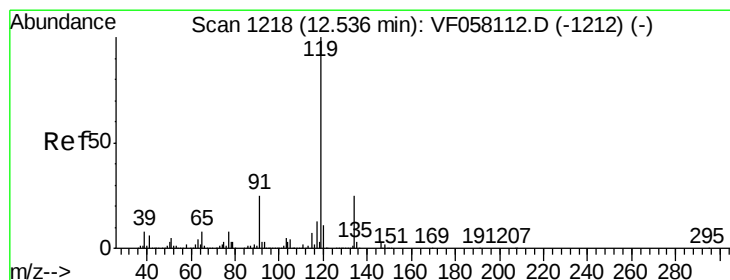
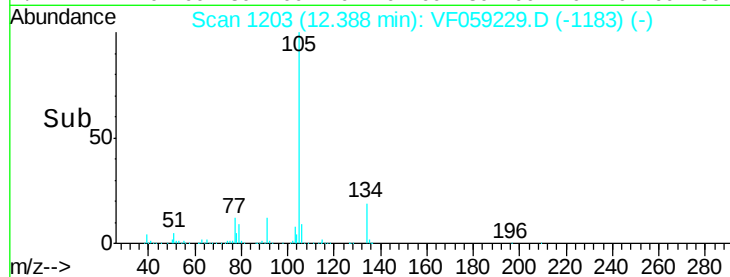
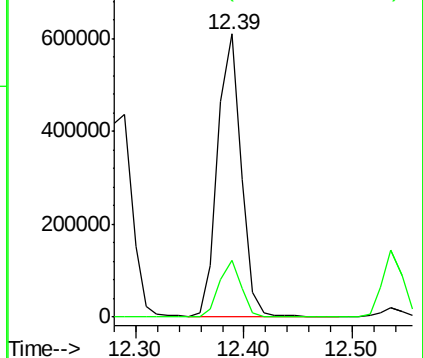
105 100

134 20.0 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: 50.705 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

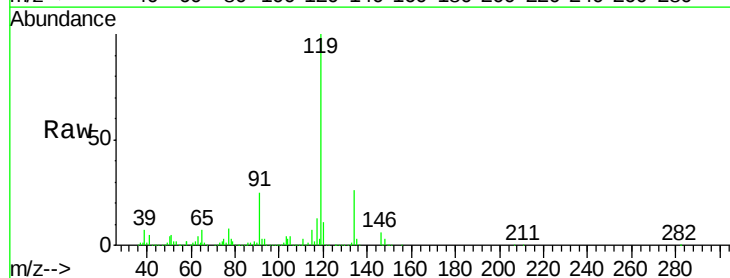
Tgt Ion:119 Resp: 761900

Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.0

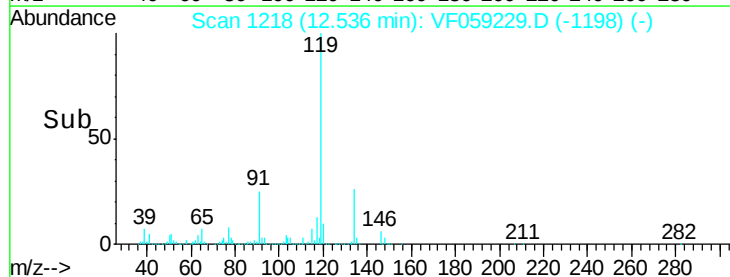
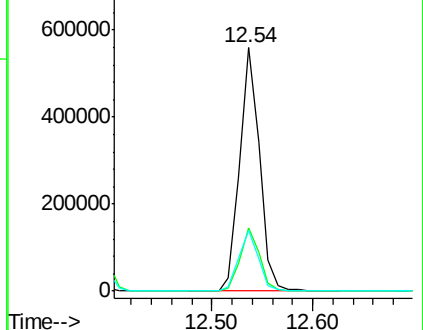
91 25.0 12.6 37.6

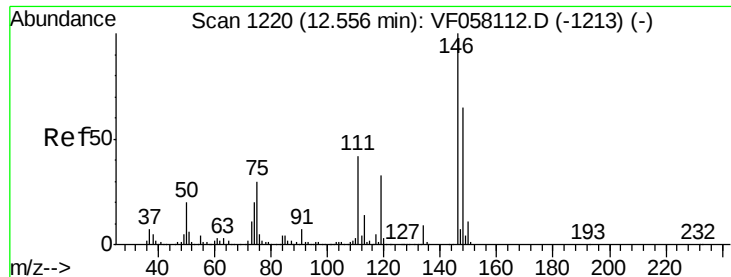


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

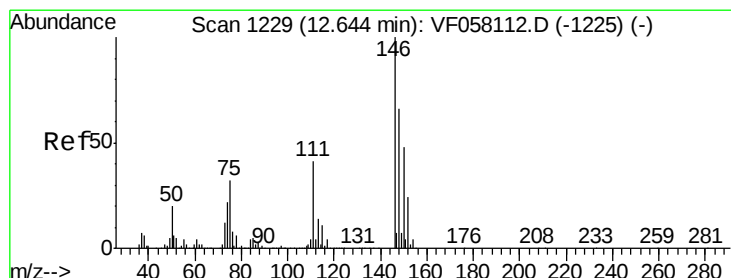
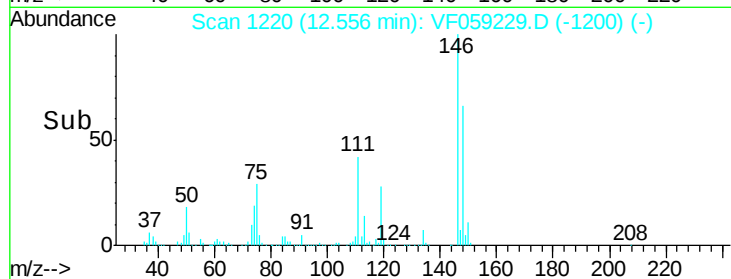
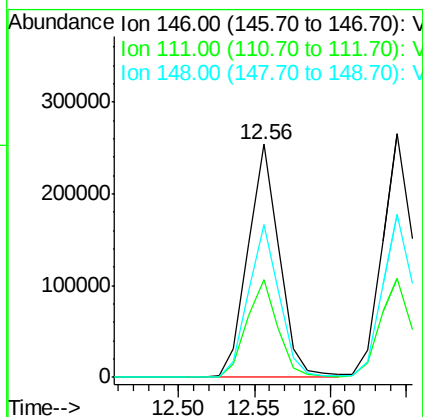
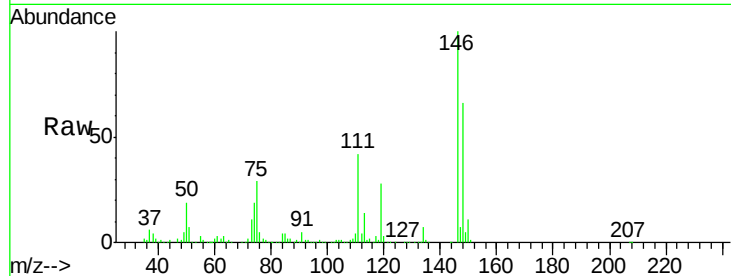




#87
 1,3-Dichlorobenzene
 Concen: 48.456 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059229.D
 Acq: 20 Jun 2018 15:39

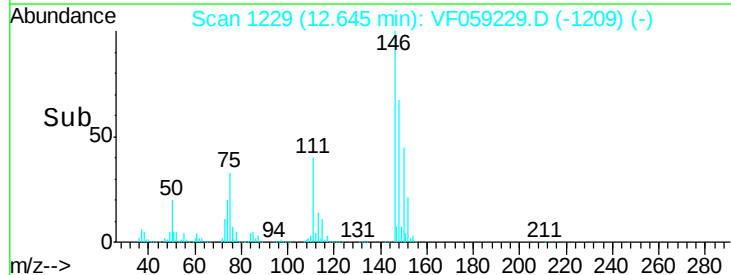
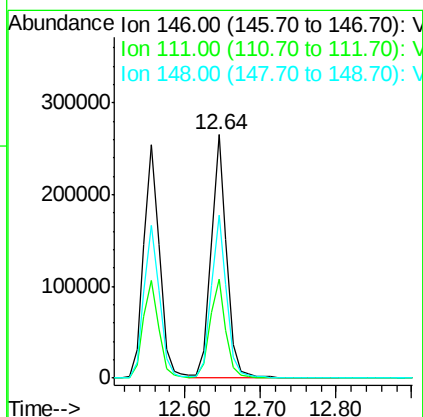
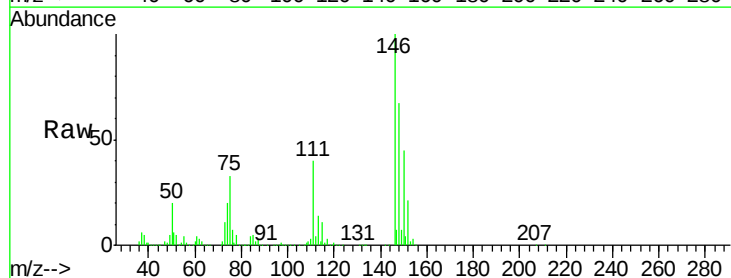
Instrument :
 MSVOA_F
 ClientSampleId :

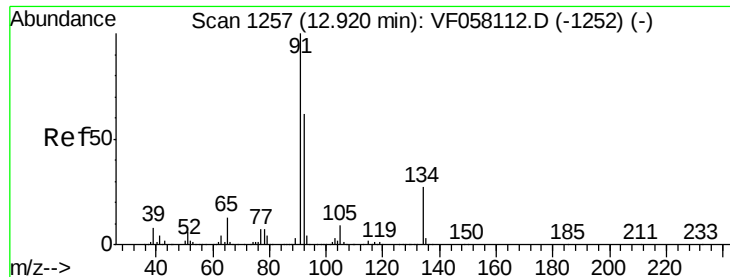
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.5
148	65.7	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 52.576 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059229.D
 Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.2
148	67.2	33.0	99.0





#89

n-Butylbenzene

Concen: 50.075 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

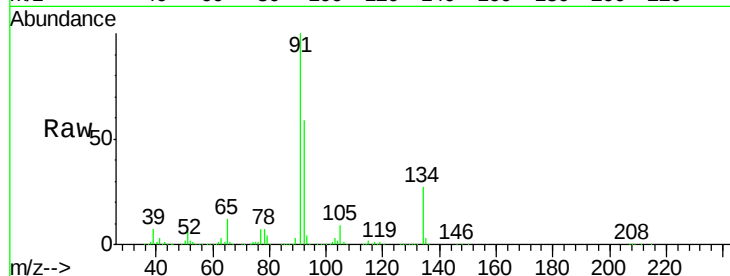
Tot Ion: 91 Resp: 779677

Ion	Ratio	Lower	Upper
91	100		
92	59.0	31.1	93.5
134	26.7	13.6	40.8

91 100

92 59.0 31.1 93.5

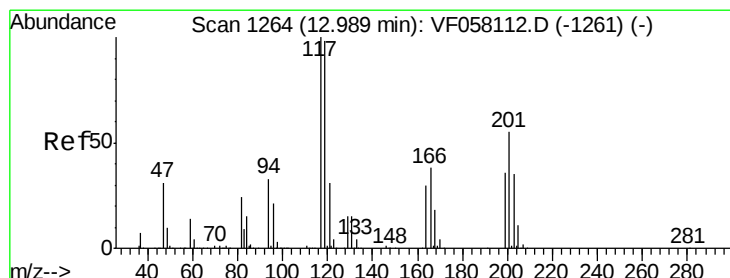
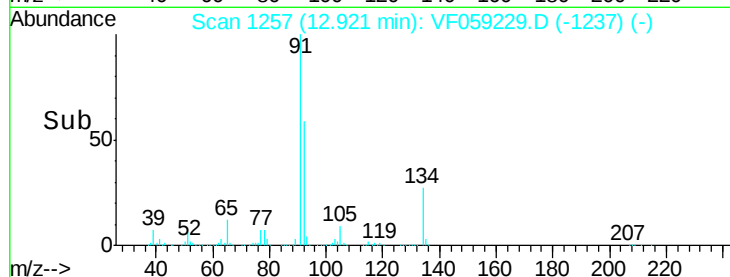
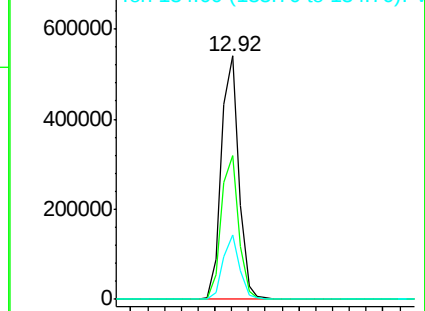
134 26.7 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 52.087 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059229.D

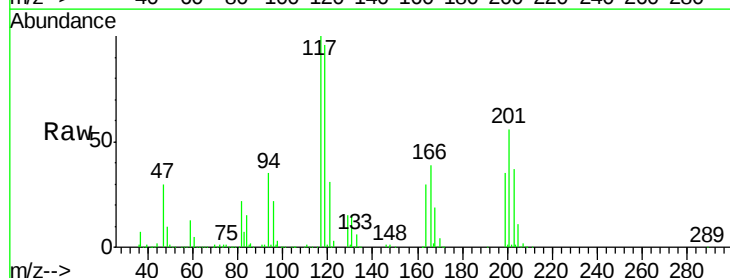
Acq: 20 Jun 2018 15:39

Tgt Ion: 117 Resp: 192739

Ion	Ratio	Lower	Upper
117	100		
201	55.8	27.5	82.4

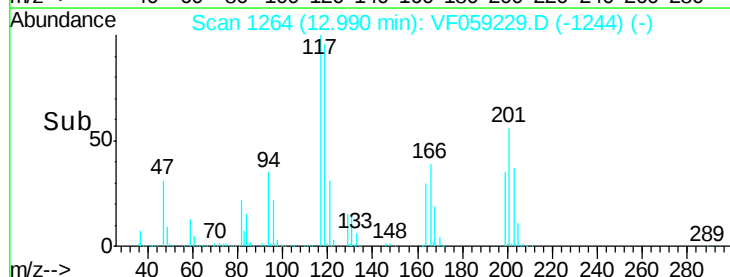
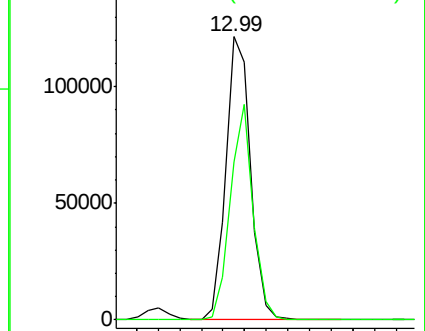
117 100

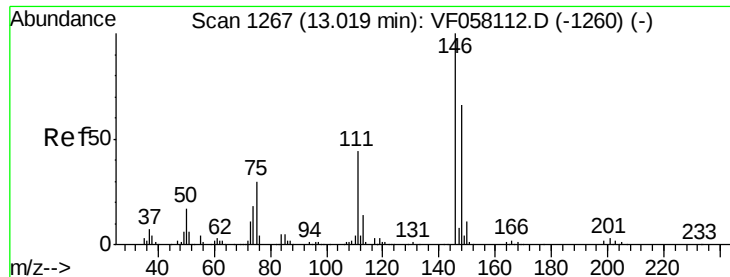
201 55.8 27.5 82.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 52.827 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

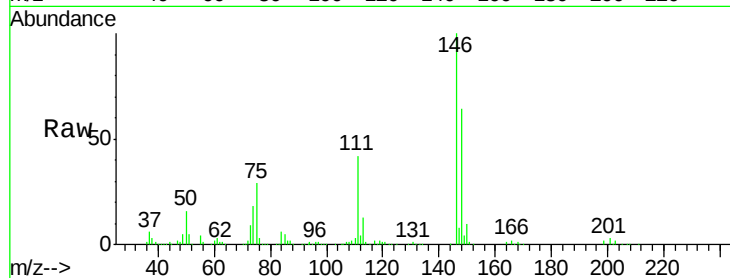
Tot Ion:146 Resp: 387394

Ion Ratio Lower Upper

146 100

111 41.6 22.0 66.0

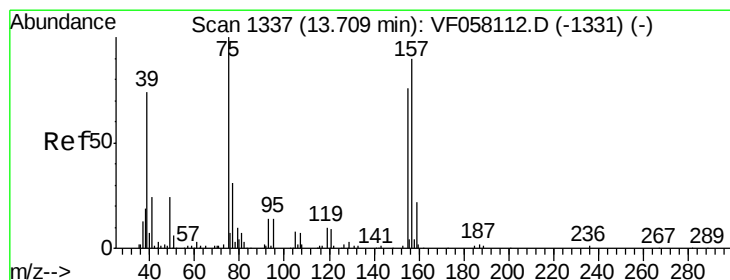
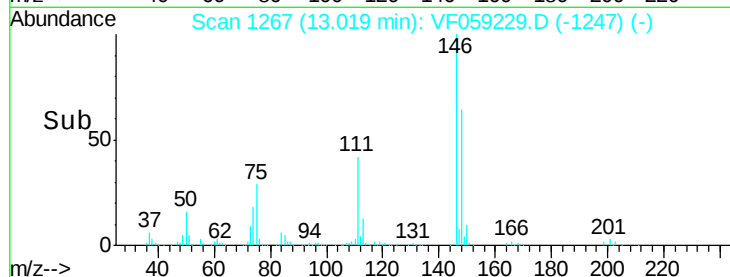
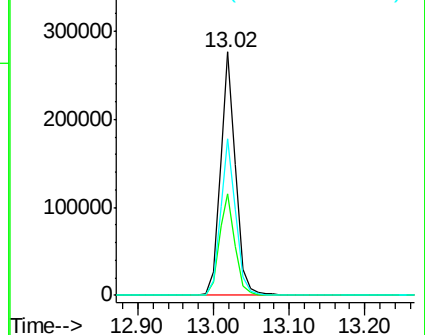
148 64.3 33.1 99.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 60.538 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

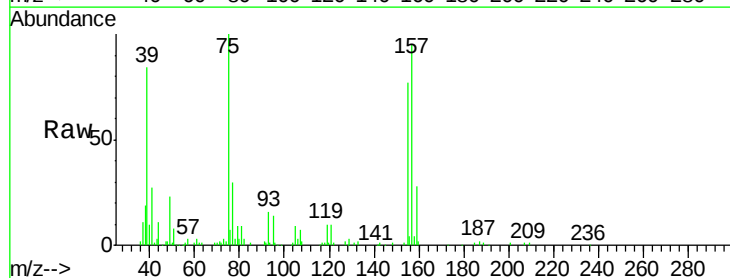
Tgt Ion: 75 Resp: 46122

Ion Ratio Lower Upper

75 100

155 76.5 38.0 114.0

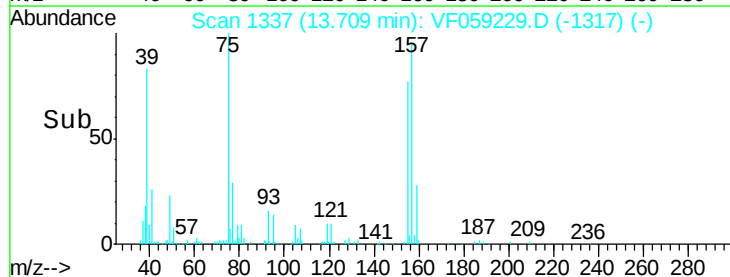
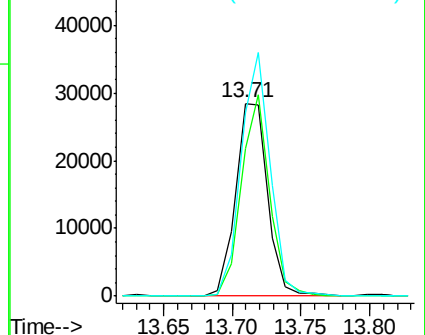
157 95.3 45.1 135.5

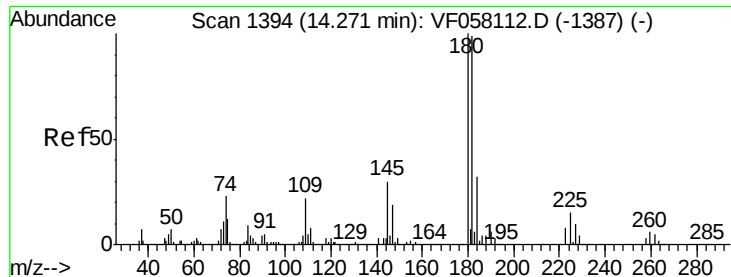


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

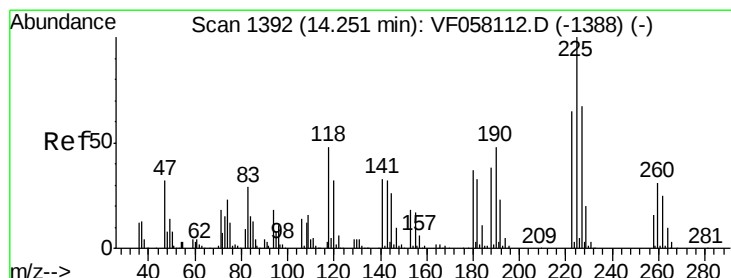
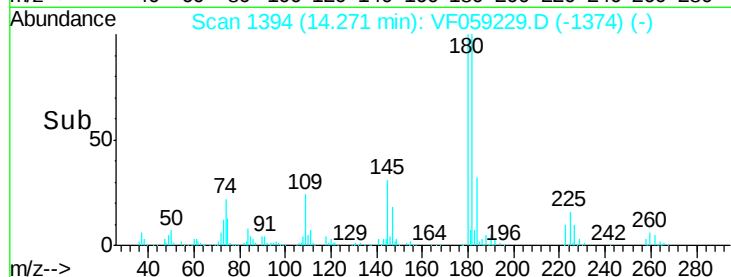
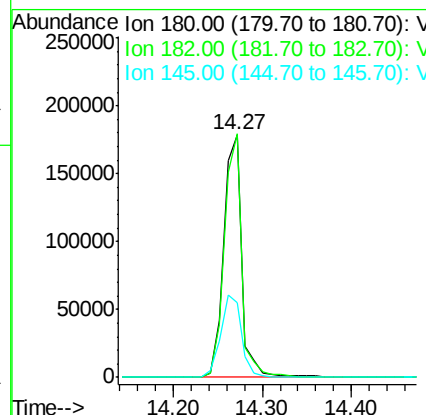
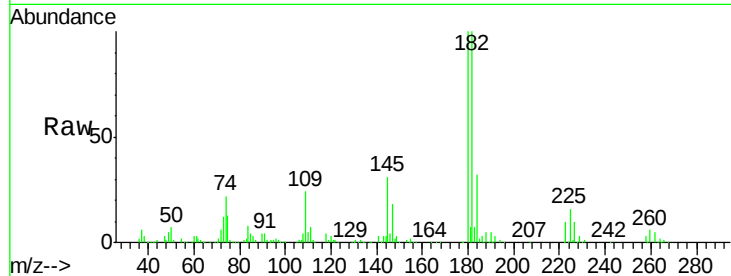




#93
 1,2,4-Trichlorobenzene
 Concen: 49.904 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059229.D
 Acq: 20 Jun 2018 15:39

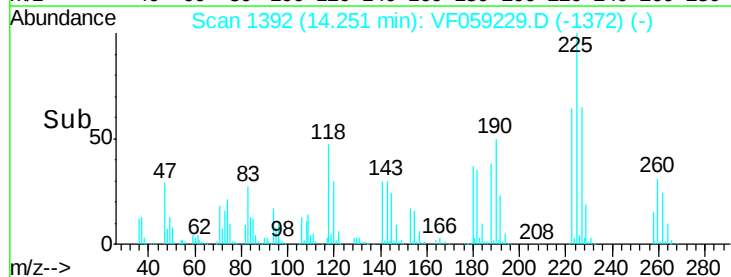
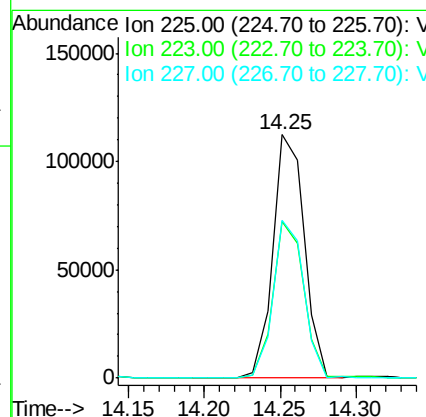
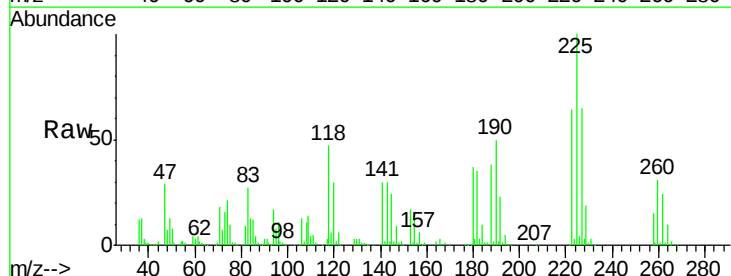
Instrument :
 MSVOA_F
 ClientSampleId :

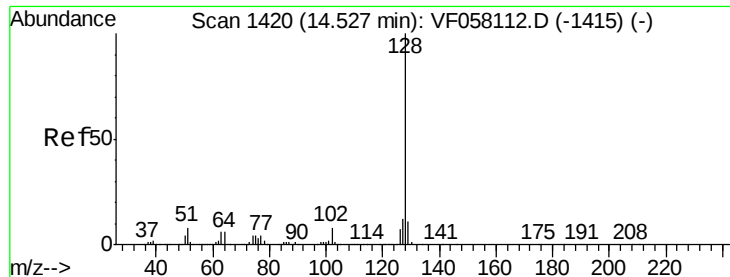
Tot Ion	Ratio	Lower	Upper
180	100		
182	100.5	49.3	147.9
145	30.7	14.9	44.9



#94
 Hexachlorobutadiene
 Concen: 55.156 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059229.D
 Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.8	98.3
227	64.7	33.3	99.9

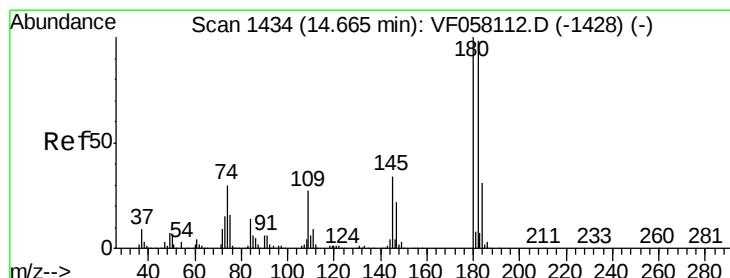
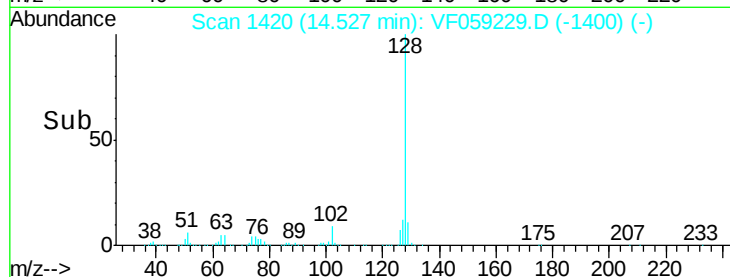
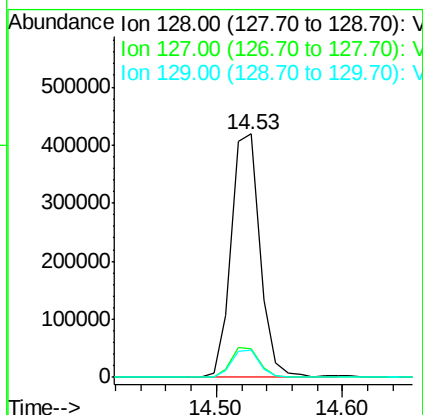
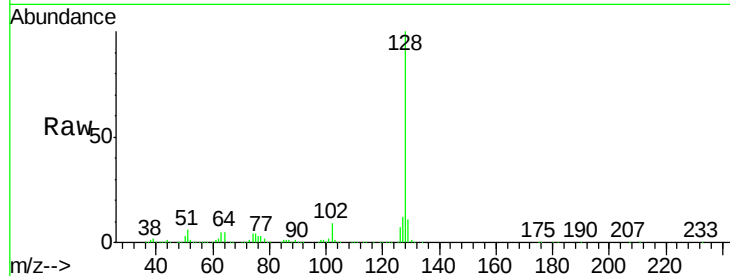




#95
Naphthalene
Concen: 60.243 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 660006
Ion Ratio Lower Upper
128 100
127 11.7 9.9 14.9
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 60.115 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion:180 Resp: 284937
Ion Ratio Lower Upper
180 100
182 95.2 48.9 146.6
145 33.5 17.3 51.7

