

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059193.D
 Acq On : 19 Jun 2018 17:19
 Operator : VA/AP
 Sample : VF0619SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 03:03:35 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	277744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	425031	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	415128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	244284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	178606	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
35) Dibromofluoromethane	4.29	113	164595	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
50) Toluene-d8	7.70	98	415312	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
62) 4-Bromofluorobenzene	11.50	95	226416	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	60707	19.311	ug/l	96
3) Chloromethane	1.08	50	40901	16.797	ug/l	98
4) Vinyl Chloride	1.14	62	40774	18.560	ug/l	96
5) Bromomethane	1.34	94	22806	17.816	ug/l	93
6) Chloroethane	1.43	64	18646	20.456	ug/l	96
7) Trichlorofluoromethane	1.49	101	21583	6.320	ug/l	97
8) Diethyl Ether	1.70	74	18393	21.408	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.89	101	41305	18.979	ug/l	88
10) Methyl Iodide	1.96	142	74621	19.596	ug/l	98
11) Tert butyl alcohol	2.69	59	20495	94.960	ug/l	100
12) 1,1-Dichloroethene	1.85	96	37484	20.482	ug/l	92
13) Acrolein	2.09	56	12952	69.333	ug/l	98
14) Allyl chloride	2.19	41	72044	20.057	ug/l	98
15) Acrylonitrile	3.07	53	43560	101.621	ug/l	95
16) Acetone	2.33	43	94619	117.648	ug/l	94
17) Carbon Disulfide	1.87	76	86168	16.770	ug/l	98
18) Methyl Acetate	2.44	43	30904	22.352	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	130533	22.976	ug/l	98
20) Methylene Chloride	2.31	84	21469	11.149	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	38989	19.426	ug/l	96
22) Diisopropyl ether	2.92	45	155549	22.029	ug/l	99
23) Vinyl Acetate	3.33	43	510587	109.672	ug/l	98
24) 1,1-Dichloroethane	2.99	63	92002	21.492	ug/l	98
25) 2-Butanone	4.50	43	118632	95.144	ug/l	100
26) 2,2-Dichloropropane	3.75	77	65625	21.131	ug/l	92
27) cis-1,2-Dichloroethene	3.63	96	60552	19.602	ug/l	81
28) Bromochloromethane	3.88	49	44743	23.222	ug/l #	91
29) Tetrahydrofuran	4.25	42	53829	97.977	ug/l	99
30) Chloroform	4.03	83	137123	22.392	ug/l	98
31) Cyclohexane	3.85	56	68225	18.244	ug/l	96
32) 1,1,1-Trichloroethane	4.27	97	96859	21.187	ug/l	95
36) 1,1-Dichloropropene	4.45	75	80613	19.567	ug/l	98
37) Ethyl Acetate	4.29	43	54688	21.484	ug/l #	83
38) Carbon Tetrachloride	4.16	117	114723	25.694	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059193.D
 Acq On : 19 Jun 2018 17:19
 Operator : VA/AP
 Sample : VF0619SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 03:03:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	83302	19.837	ug/l	97
40) Benzene	4.80	78	188937	19.758	ug/l	99
41) Methacrylonitrile	4.92	41	25068	20.045	ug/l	92
42) 1,2-Dichloroethane	5.10	62	100976	23.544	ug/l	95
43) Isopropyl Acetate	7.10	43	68281	20.029	ug/l #	97
44) Trichloroethene	5.67	130	66194	22.154	ug/l	95
45) 1,2-Dichloropropane	6.40	63	53737	19.490	ug/l	99
46) Dibromomethane	6.25	93	43250	20.848	ug/l	89
47) Bromodichloromethane	6.54	83	110727	23.462	ug/l	94
48) Methyl methacrylate	6.87	41	42411	20.180	ug/l	95
49) 1,4-Dioxane	6.86	88	5355	334.037	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	257309	110.120	ug/l	92
52) Toluene	7.78	92	136342	19.795	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	99771	21.829	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	116060	22.105	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	53655	21.497	ug/l	94
56) Ethyl methacrylate	8.75	69	65829	20.924	ug/l	97
57) 1,3-Dichloropropane	9.00	76	91967	21.541	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	24167	107.430	ug/l	100
59) 2-Hexanone	9.63	43	209753	113.487	ug/l	90
60) Dibromochloromethane	8.86	129	81714	22.783	ug/l	99
61) 1,2-Dibromoethane	9.13	107	63101	21.758	ug/l	95
64) Tetrachloroethene	8.30	164	62606	20.562	ug/l	95
65) Chlorobenzene	9.93	112	178614	21.728	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	73658	22.525	ug/l	93
67) Ethyl Benzene	10.03	91	305899	21.416	ug/l	97
68) m/p-Xylenes	10.26	106	213879	39.994	ug/l	83
69) o-Xylene	10.82	106	122436	21.184	ug/l	97
70) Styrene	10.90	104	180251	20.612	ug/l	98
71) Bromoform	10.88	173	50770	22.862	ug/l #	93
73) Isopropylbenzene	11.23	105	356859	21.100	ug/l	99
74) N-amyl acetate	11.46	43	126595	20.954	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	79622	19.857	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	61116	20.638	ug/l	92
77) Bromobenzene	11.59	156	91007	21.381	ug/l	83
78) n-propylbenzene	11.68	91	414041	20.683	ug/l	95
79) 2-Chlorotoluene	11.81	91	242993	20.547	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	291034	20.791	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	38262	19.928	ug/l	94
82) 4-Chlorotoluene	11.98	91	269119	21.375	ug/l	97
83) tert-Butylbenzene	12.21	119	312018	22.448	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	305328	21.051	ug/l	90
85) sec-Butylbenzene	12.39	105	396378	20.987	ug/l	99
86) p-Isopropyltoluene	12.54	119	340999	21.983	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	162983	20.739	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	165314	21.829	ug/l	98
89) n-Butylbenzene	12.91	91	334616	18.854	ug/l	93
90) Hexachloroethane	12.99	117	78848	20.640	ug/l	90
91) 1,2-Dichlorobenzene	13.02	146	165658	21.882	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17090	21.729	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
Data File : VF059193.D
Acq On : 19 Jun 2018 17:19
Operator : VA/AP
Sample : VF0619SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 20 03:03:35 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

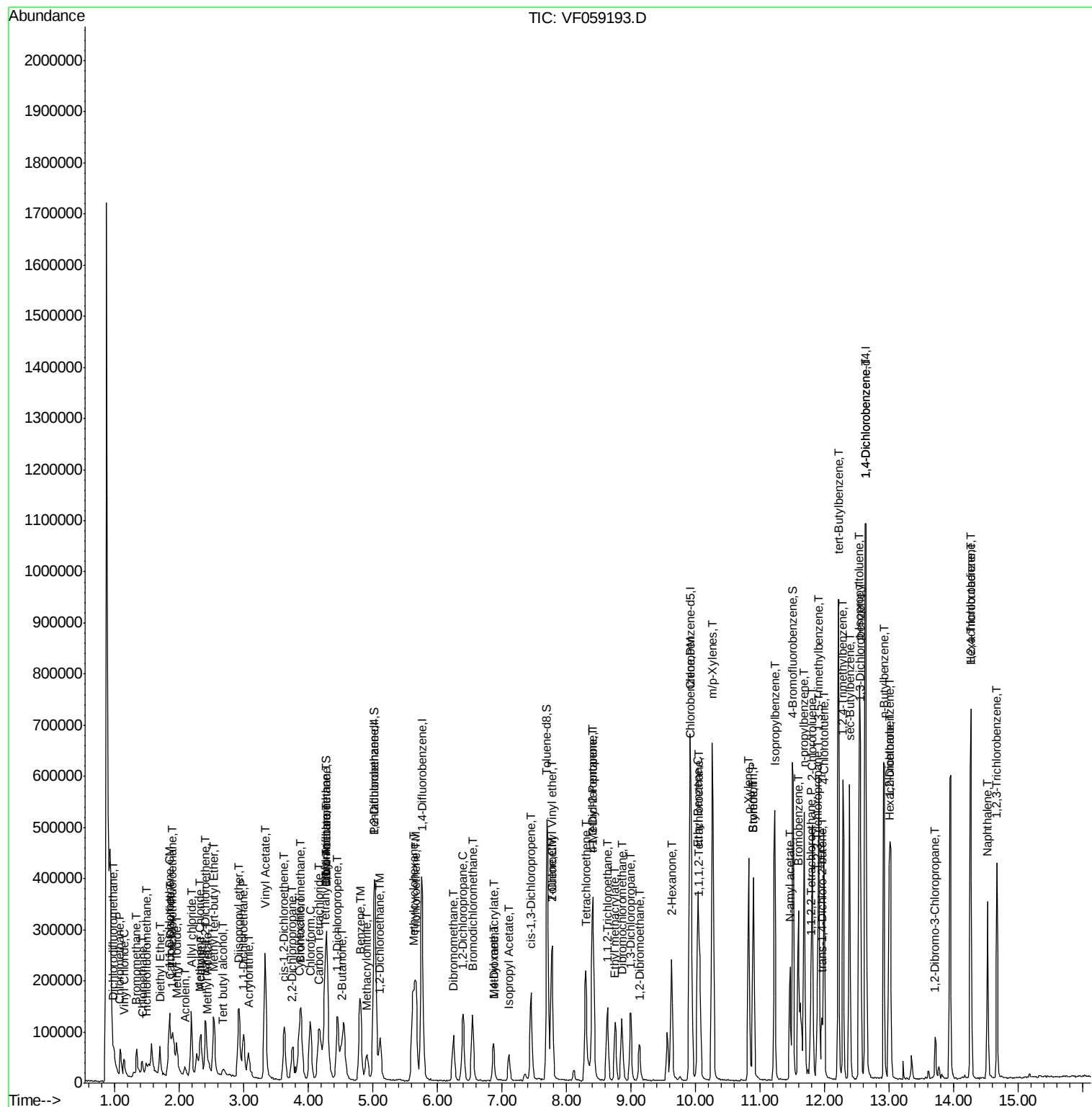
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	123320	23.289	ug/l	96
94) Hexachlorobutadiene	14.25	225	72945	23.806	ug/l	95
95) Naphthalene	14.52	128	244057	21.578	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	112444	22.979	ug/l	96

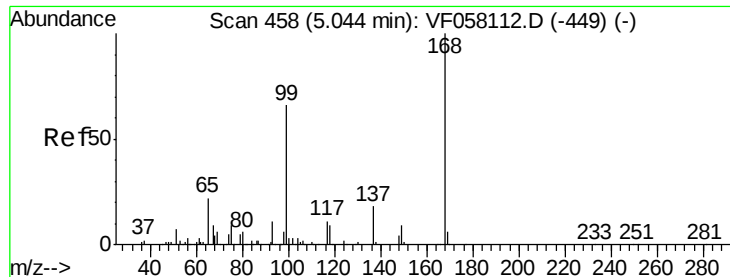
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059193.D
 Acq On : 19 Jun 2018 17:19
 Operator : VA/AP
 Sample : VF0619SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 03:03:35 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

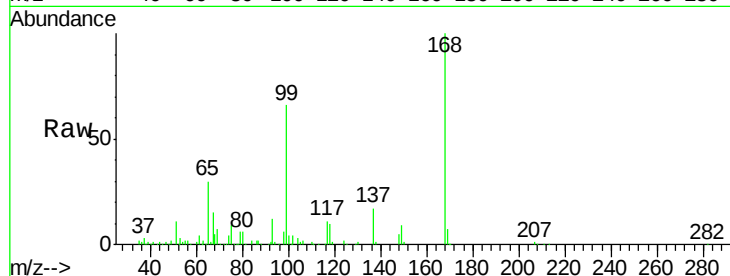
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 277744

Ion Ratio Lower Upper

168 100

99 66.2 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

100000

80000

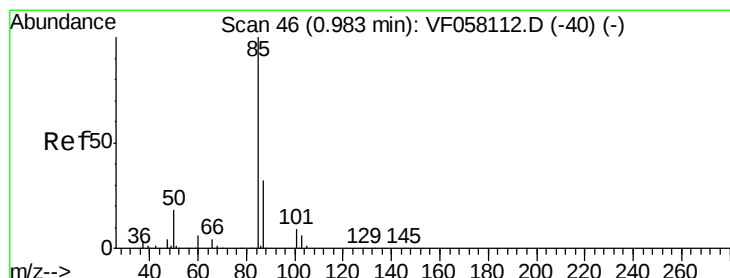
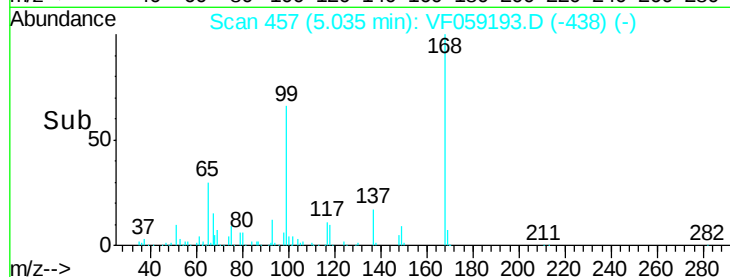
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.311 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059193.D

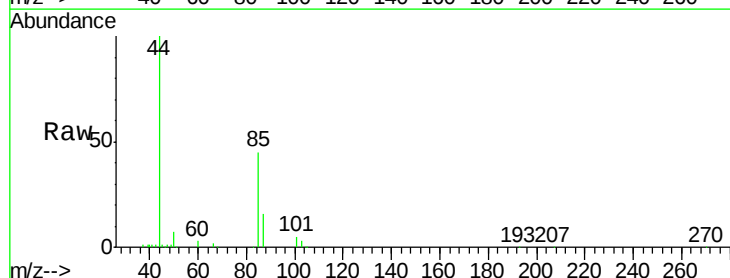
Acq: 19 Jun 2018 17:19

Tgt Ion: 85 Resp: 60707

Ion Ratio Lower Upper

85 100

87 34.8 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

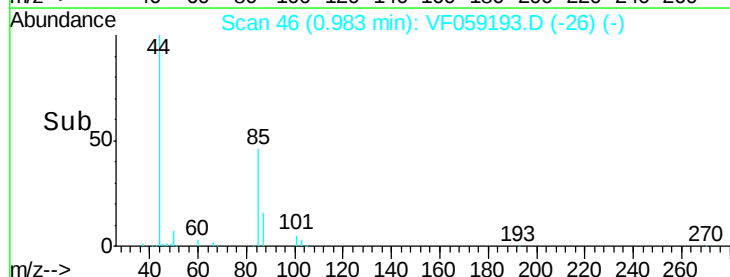
15000

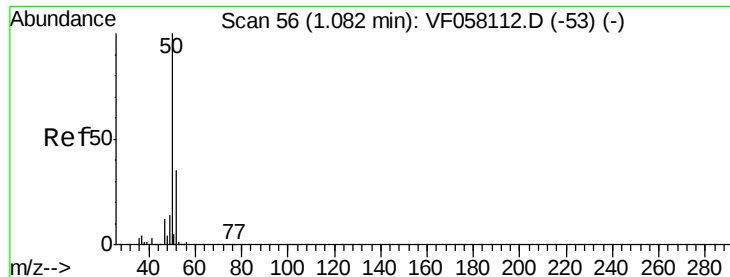
10000

5000

0

Time-->





#3

Chloromethane

Concen: 16.797 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

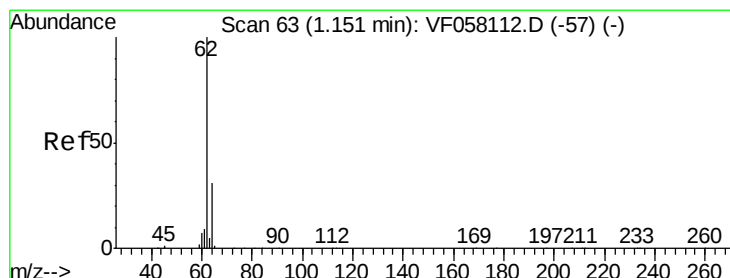
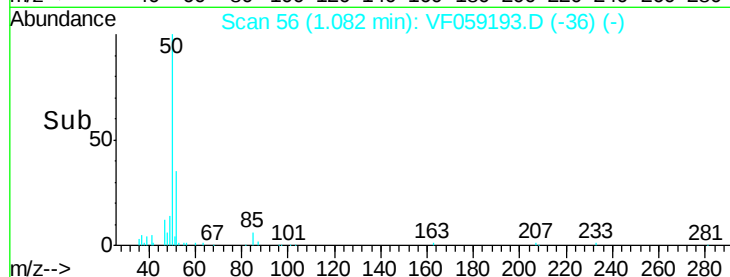
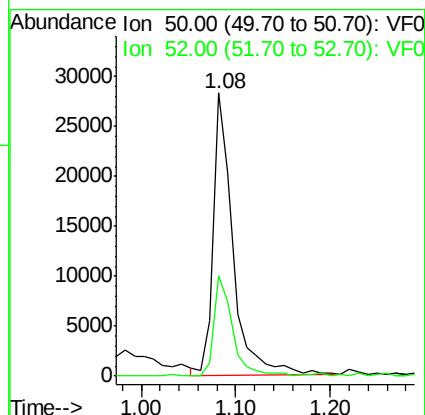
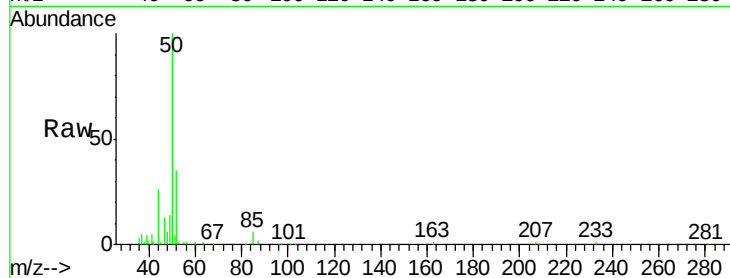
ClientSampleId :

Tot Ion: 50 Resp: 40901

Ion Ratio Lower Upper

50 100

52 35.3 27.3 40.9



#4

Vinyl Chloride

Concen: 18.560 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059193.D

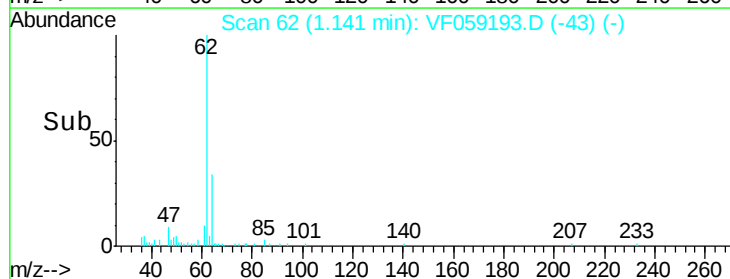
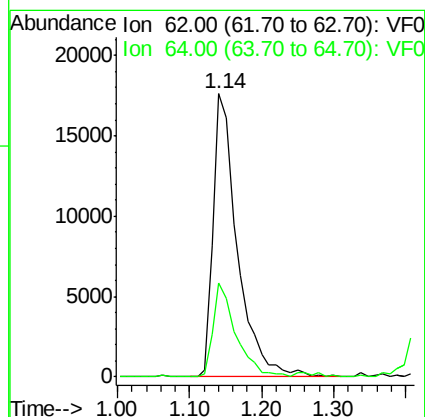
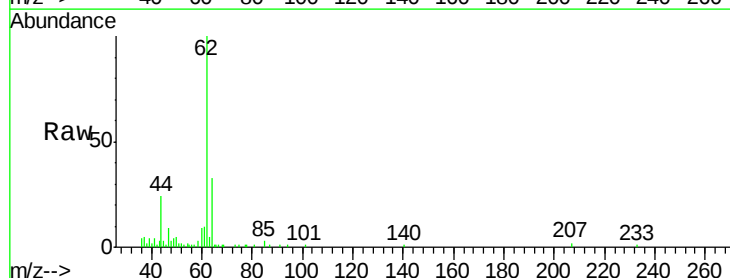
Acq: 19 Jun 2018 17:19

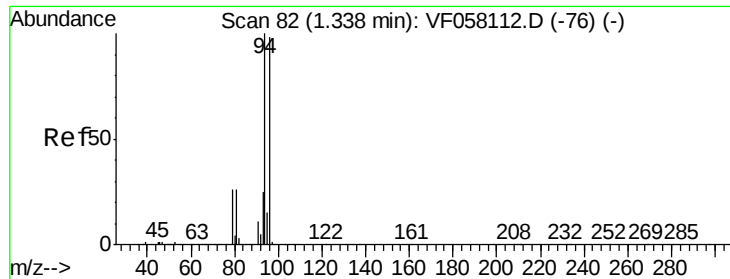
Tgt Ion: 62 Resp: 40774

Ion Ratio Lower Upper

62 100

64 33.4 25.0 37.6





#5

Bromomethane

Concen: 17.816 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

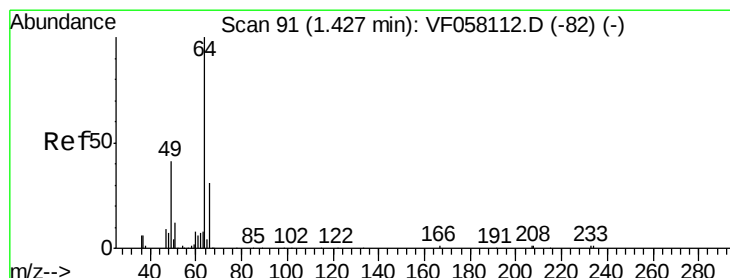
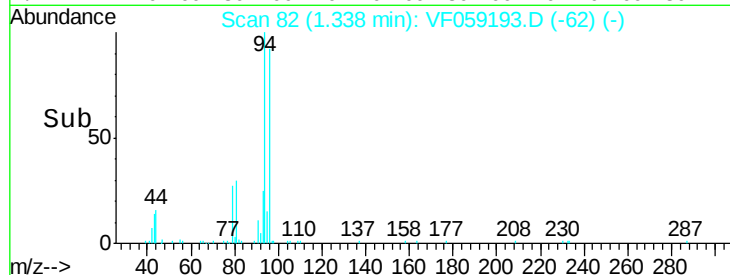
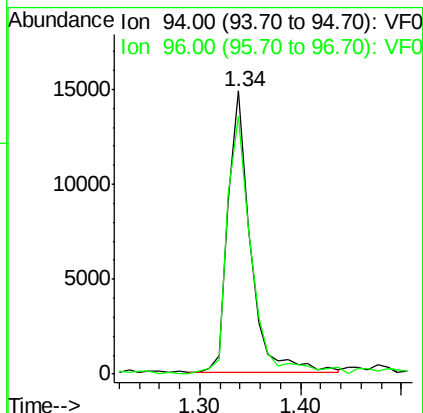
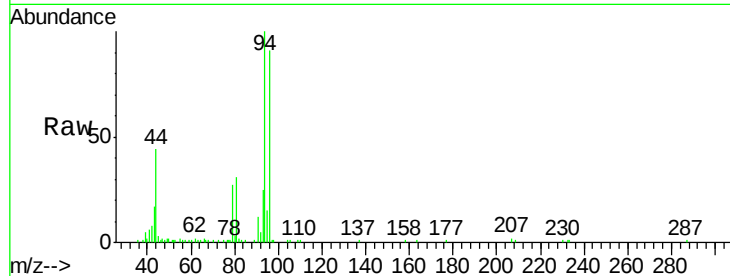
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 22806

Ion Ratio Lower Upper

94 100

96 90.9 78.6 117.8



#6

Chloroethane

Concen: 20.456 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059193.D

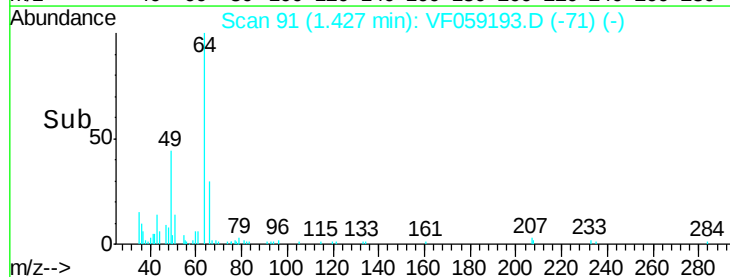
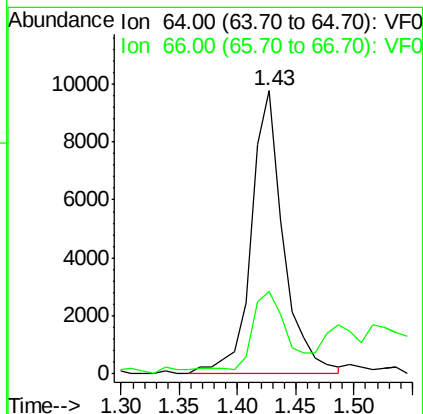
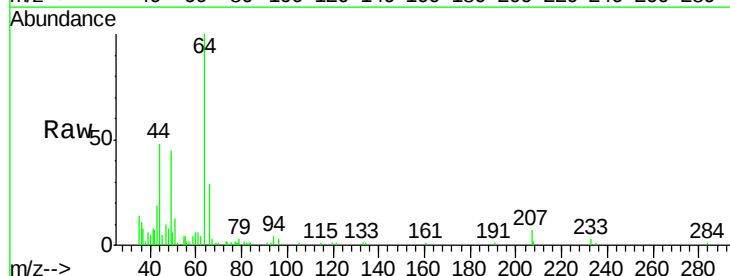
Acq: 19 Jun 2018 17:19

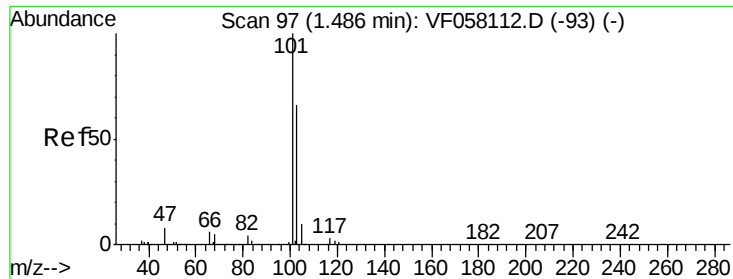
Tgt Ion: 64 Resp: 18646

Ion Ratio Lower Upper

64 100

66 28.9 24.9 37.3





#7

Trichlorofluoromethane

Concen: 6.320 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

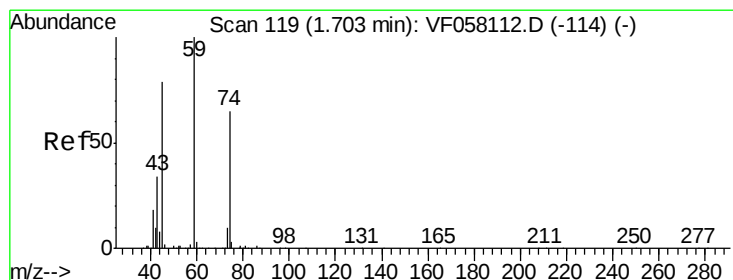
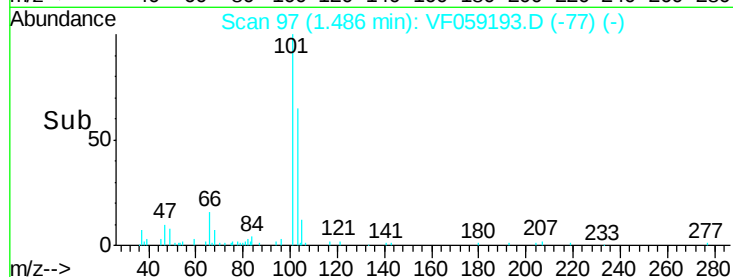
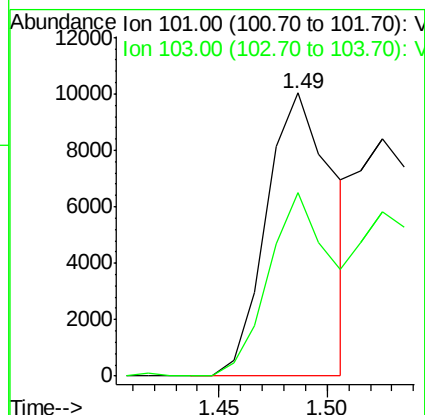
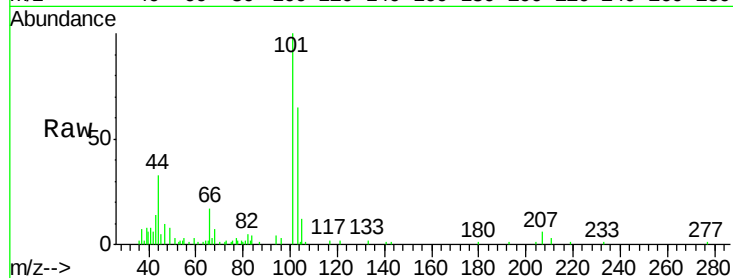
ClientSampleId :

Tot Ion:101 Resp: 21583

Ion Ratio Lower Upper

101 100

103 64.8 53.4 80.2



#8

Diethyl Ether

Concen: 21.408 ug/l

RT: 1.70 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF059193.D

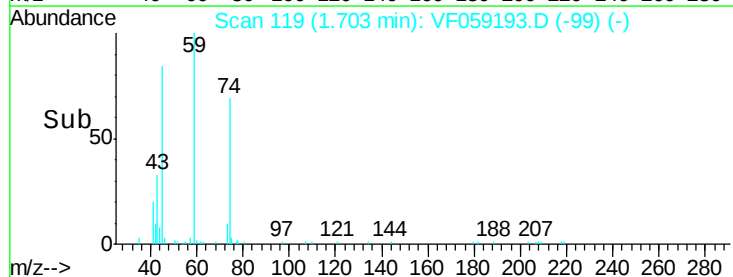
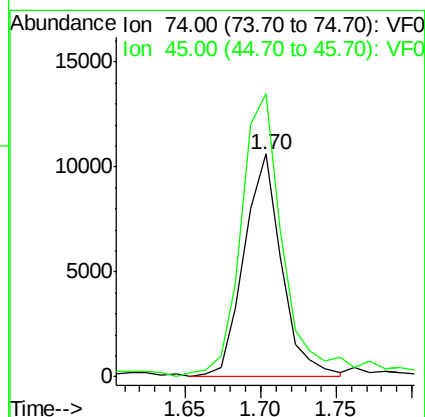
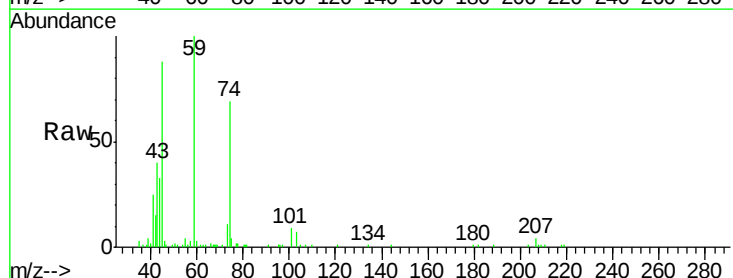
Acq: 19 Jun 2018 17:19

Tgt Ion: 74 Resp: 18393

Ion Ratio Lower Upper

74 100

45 126.9 61.5 184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.979 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

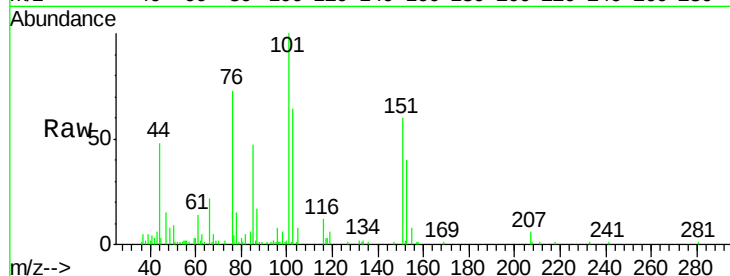
Tot Ion:101 Resp: 41305

Ion Ratio Lower Upper

101 100

85 46.8 42.2 63.4

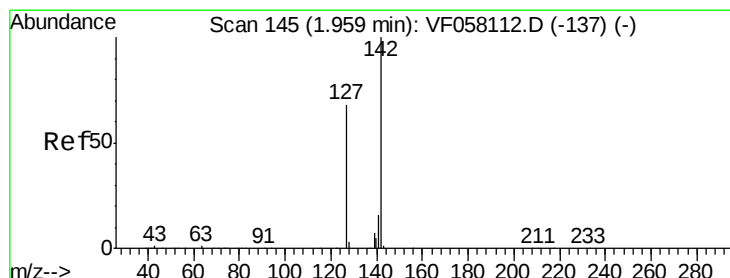
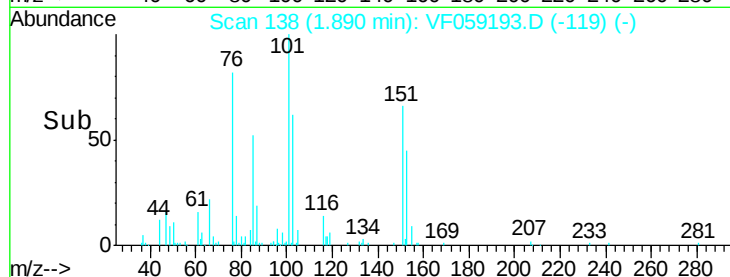
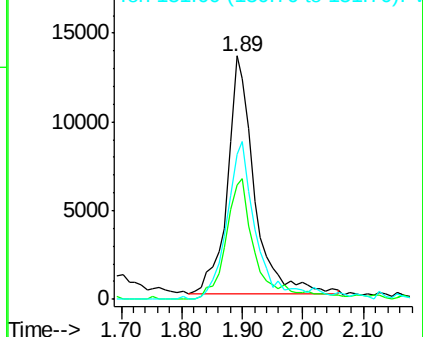
151 59.5 56.8 85.2



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: 19.596 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

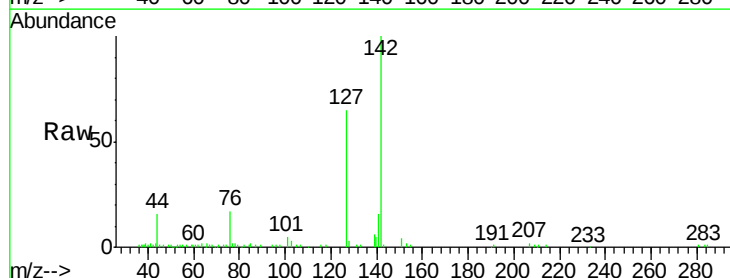
Tgt Ion:142 Resp: 74621

Ion Ratio Lower Upper

142 100

127 65.4 54.1 81.1

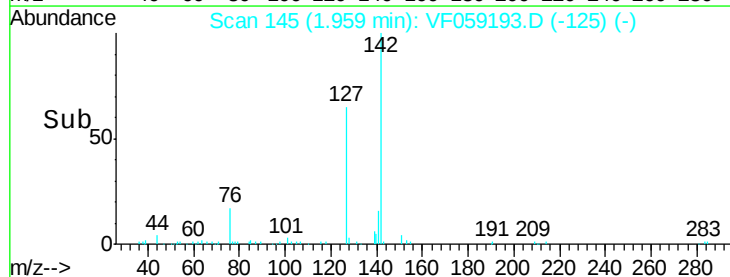
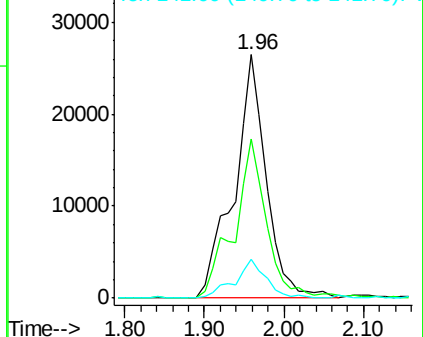
141 15.8 13.0 19.4

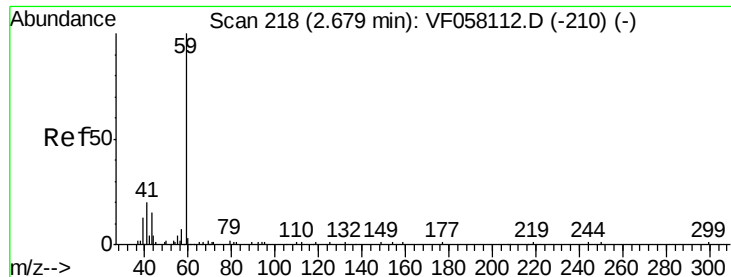


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



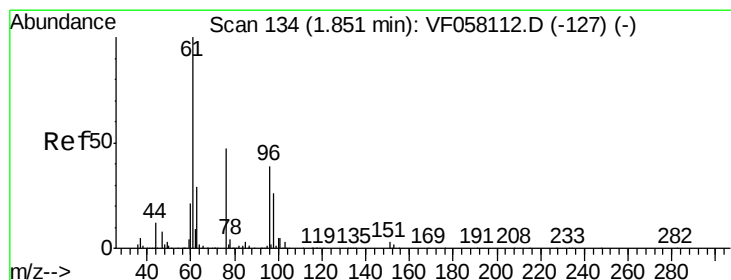
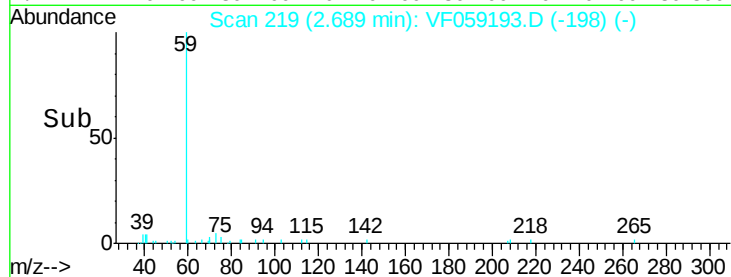
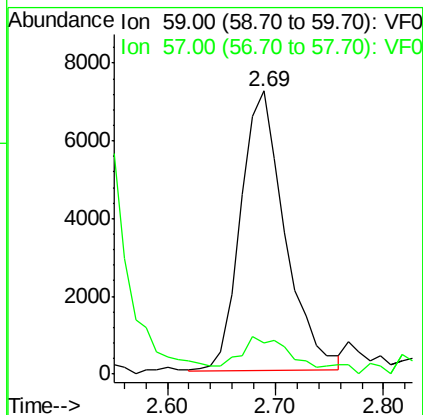
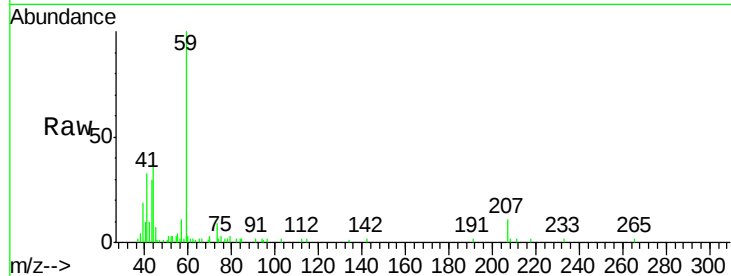


#11

Tert butyl alcohol
Concen: 94.960 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :

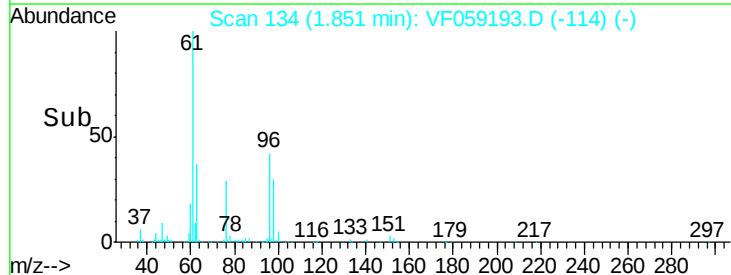
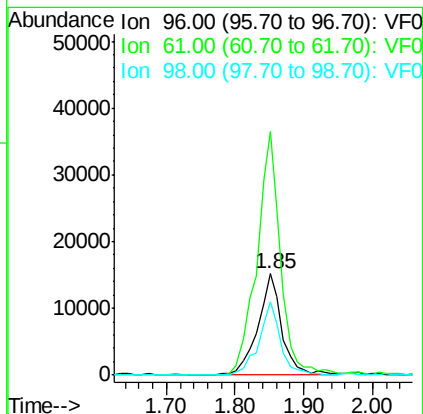
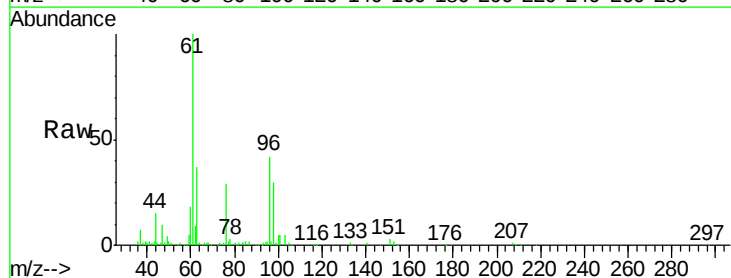
Tot Ion: 59 Resp: 20495
Ion Ratio Lower Upper
59 100
57 11.1 8.7 13.1

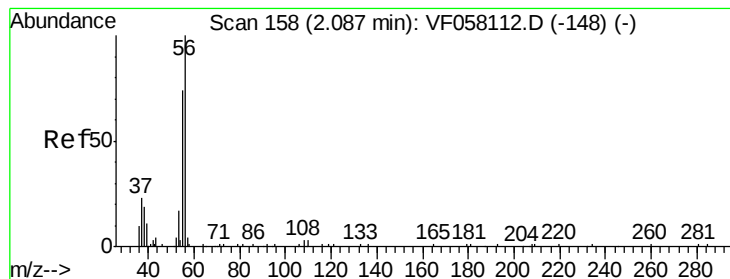


#12

1,1-Dichloroethene
Concen: 20.482 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion: 96 Resp: 37484
Ion Ratio Lower Upper
96 100
61 239.9 203.0 304.4
98 72.3 52.7 79.1





#13

Acrolein

Concen: 69.333 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

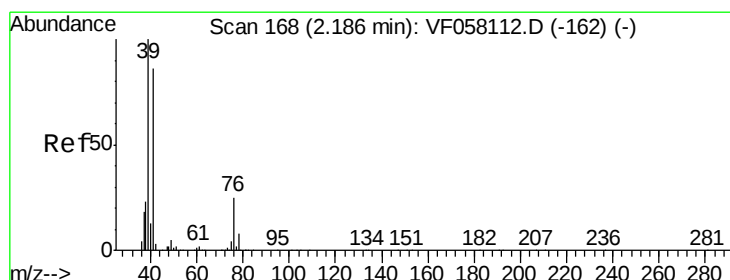
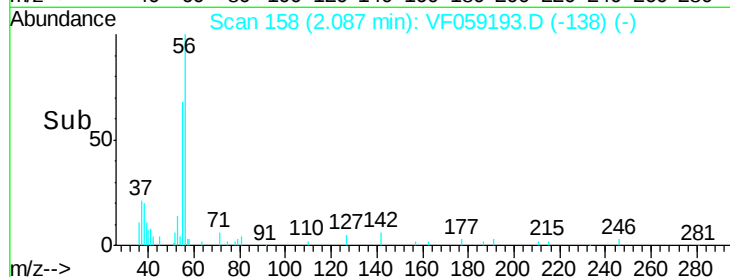
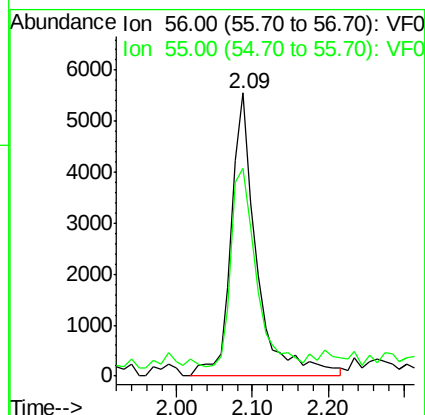
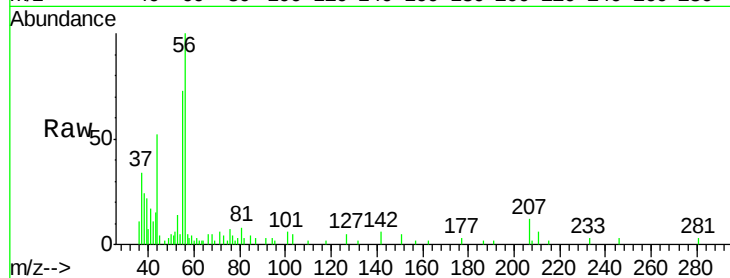
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 12952

Ion Ratio Lower Upper

56 100

55 73.4 60.0 90.0



#14

Allyl chloride

Concen: 20.057 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

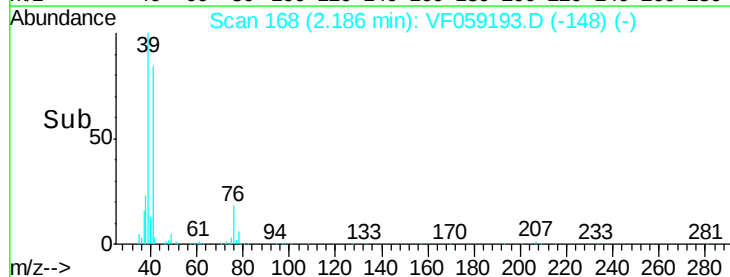
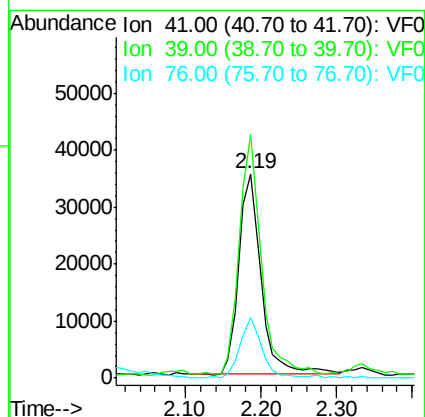
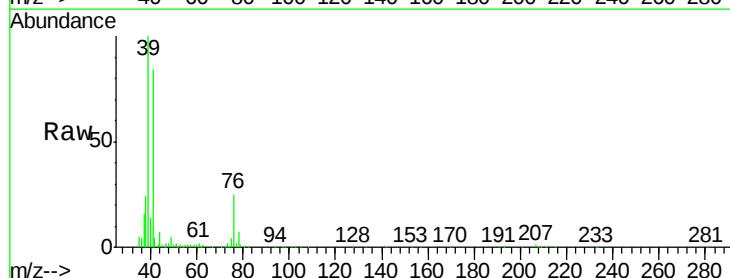
Tgt Ion: 41 Resp: 72044

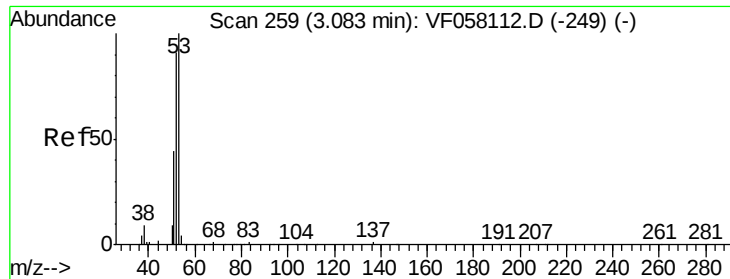
Ion Ratio Lower Upper

41 100

39 119.2 93.5 140.3

76 29.7 23.9 35.9





#15

Acrylonitrile

Concen: 101.621 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

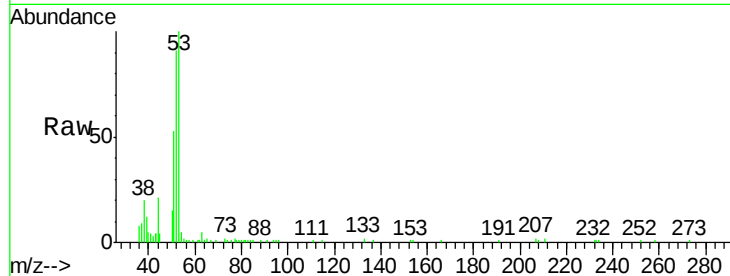
Tot Ion: 53 Resp: 43560

Ion Ratio Lower Upper

53 100

52 91.1 73.2 109.8

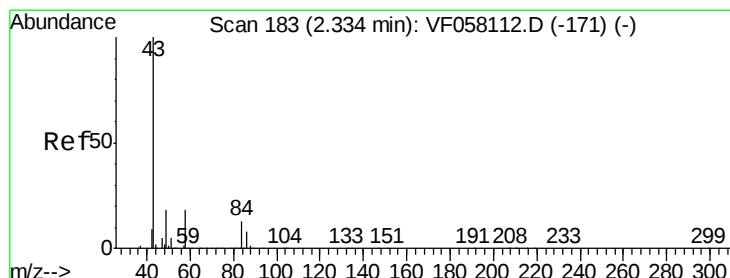
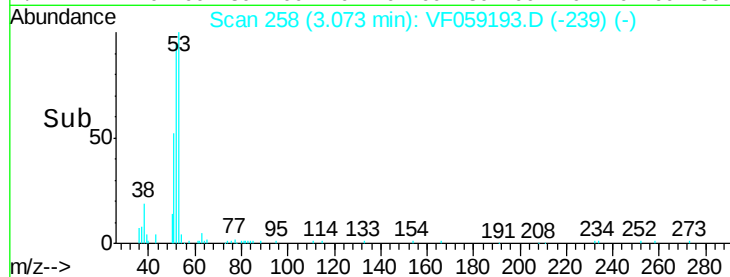
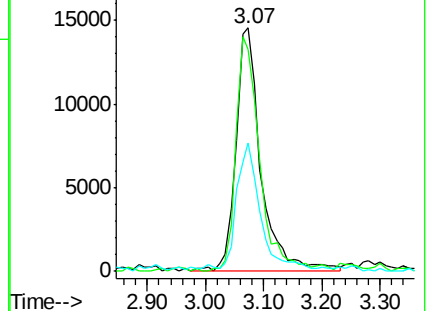
51 52.9 35.6 53.4



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 117.648 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059193.D

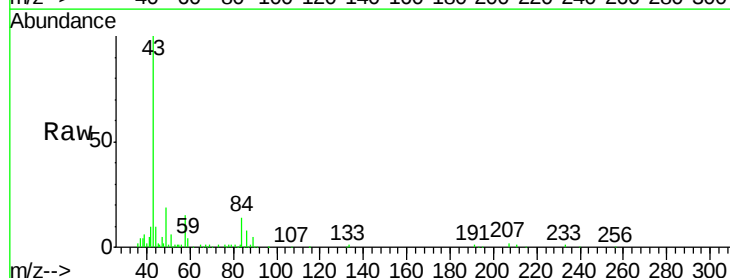
Acq: 19 Jun 2018 17:19

Tgt Ion: 43 Resp: 94619

Ion Ratio Lower Upper

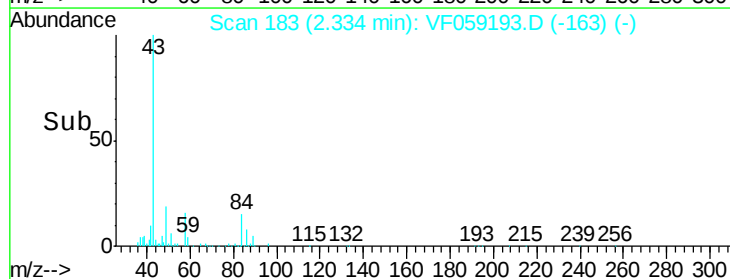
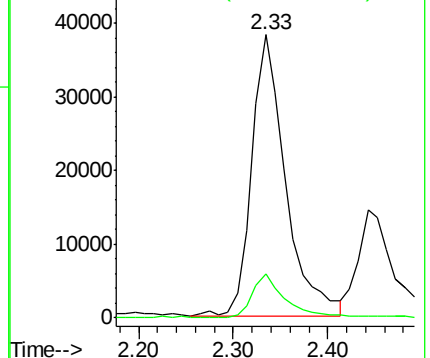
43 100

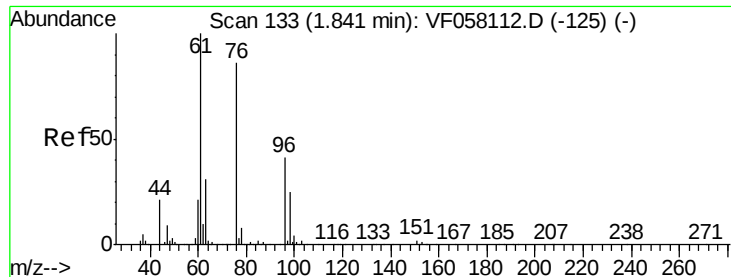
58 15.4 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

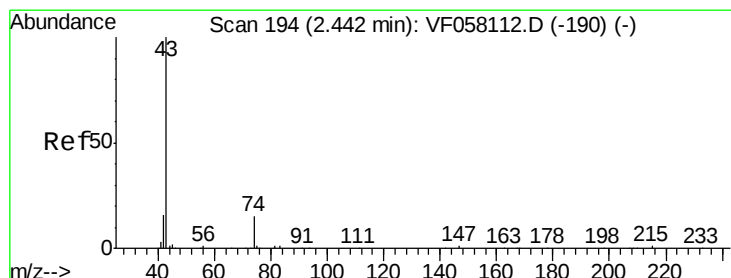
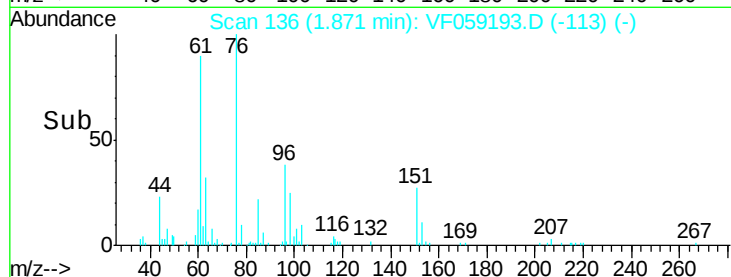
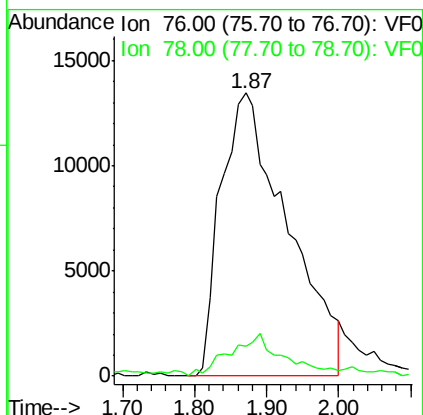
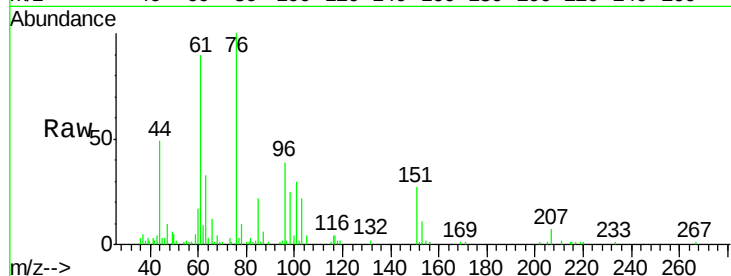




#17
Carbon Disulfide
Concen: 16.770 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.03 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

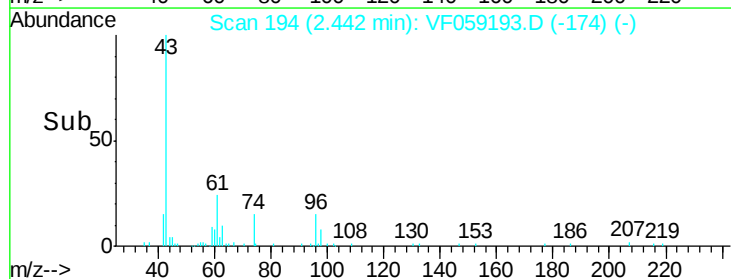
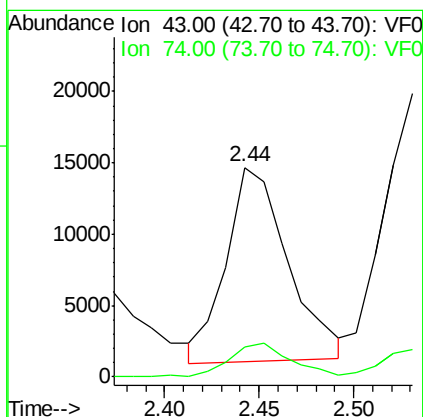
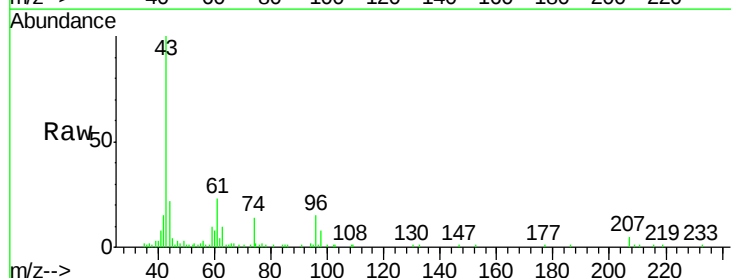
Instrument :
MSVOA_F
ClientSampled :

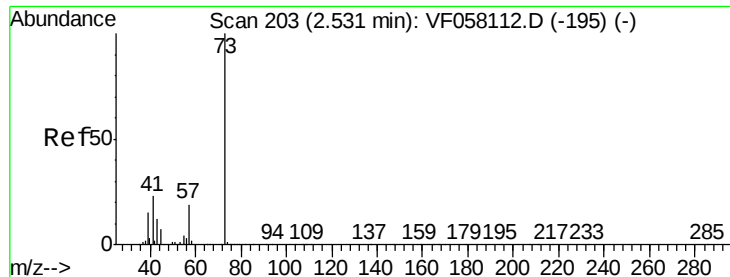
Tot Ion: 76 Resp: 86168
Ion Ratio Lower Upper
76 100
78 10.5 7.8 11.8



#18
Methyl Acetate
Concen: 22.352 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion: 43 Resp: 30904
Ion Ratio Lower Upper
43 100
74 14.2 10.9 16.3



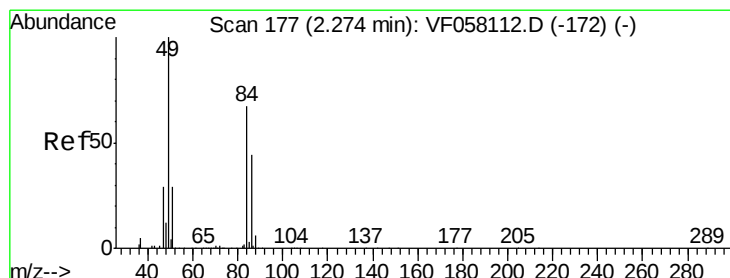
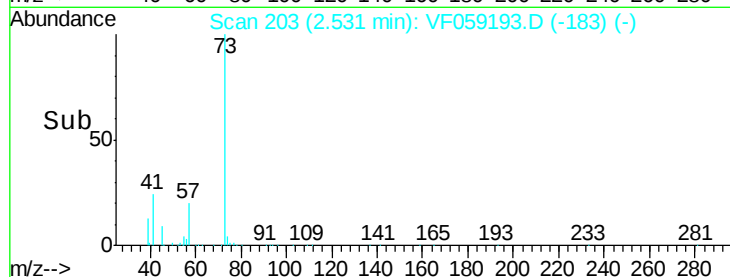
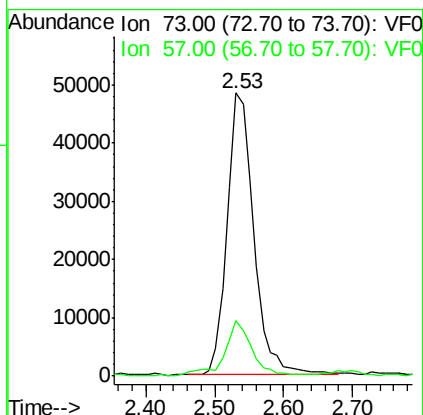
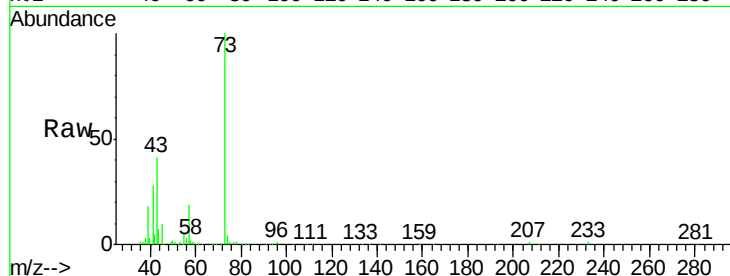


#19

Methyl tert-butyl Ether
Concen: 22.976 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampled :

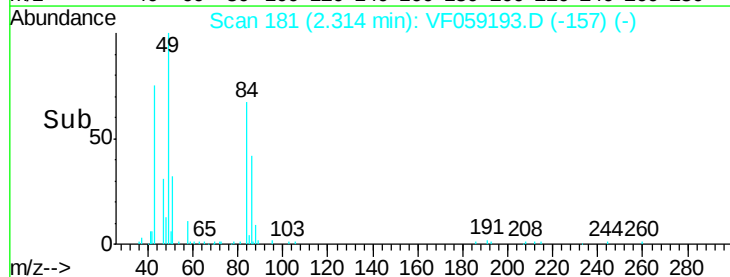
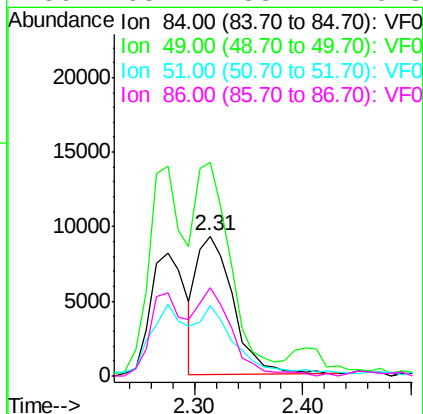
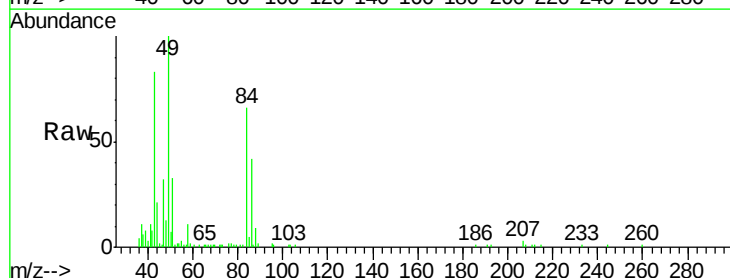
Tot Ion: 73 Resp: 130533
Ion Ratio Lower Upper
73 100
57 19.4 15.0 22.4

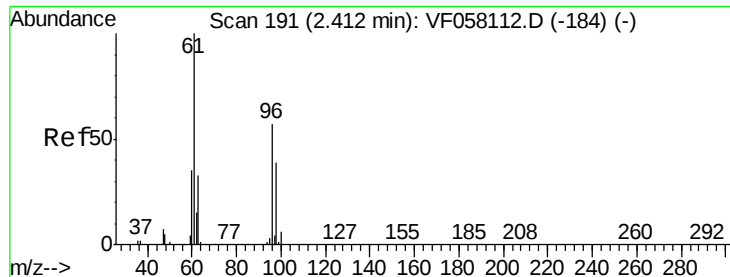


#20

Methylene Chloride
Concen: 11.149 ug/l
RT: 2.31 min Scan# 181
Delta R.T. 0.04 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion: 84 Resp: 21469
Ion Ratio Lower Upper
84 100
49 152.4 121.0 181.4
51 50.0 35.8 53.6
86 63.4 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 19.426 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :

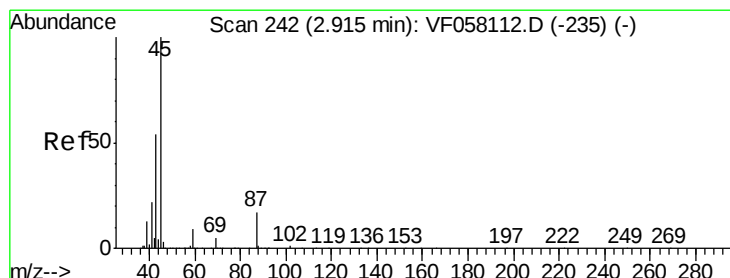
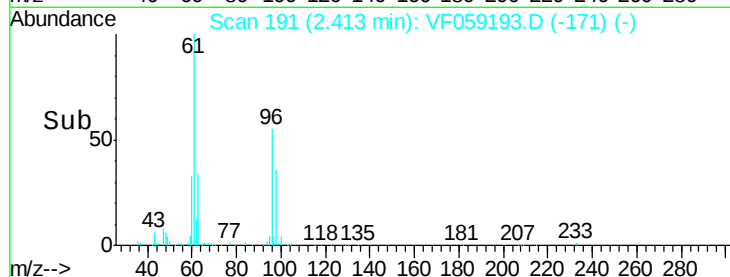
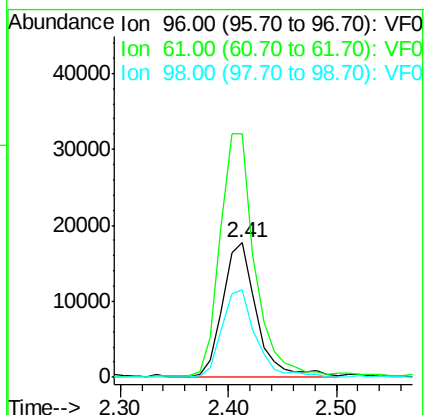
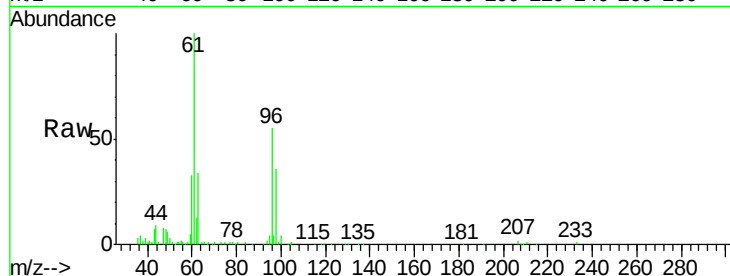
Tot Ion: 96 Resp: 38989

Ion Ratio Lower Upper

96 100

61 181.3 139.4 209.2

98 65.5 54.0 81.0



#22

Diisopropyl ether

Concen: 22.029 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Tgt Ion: 45 Resp: 155549

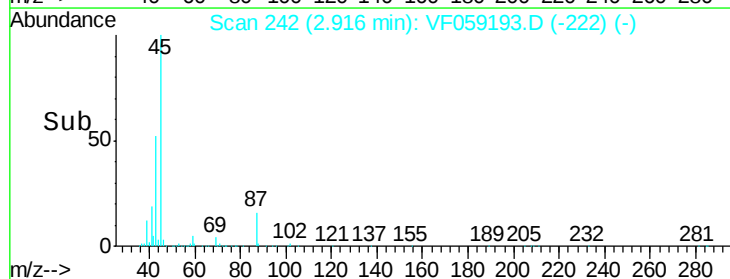
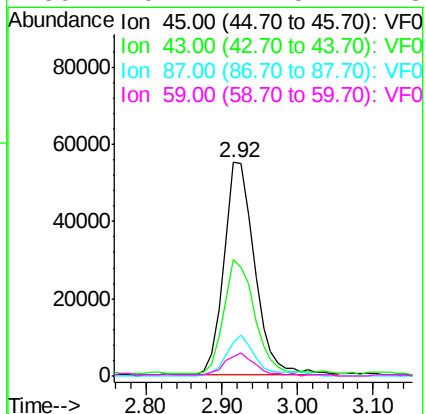
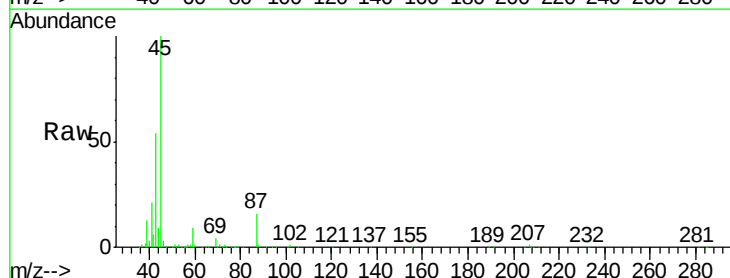
Ion Ratio Lower Upper

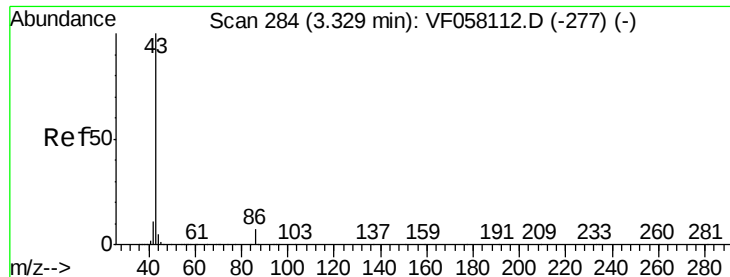
45 100

43 54.4 43.2 64.8

87 15.8 13.8 20.6

59 9.2 7.5 11.3





#23

Vinyl Acetate

Concen: 109.672 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

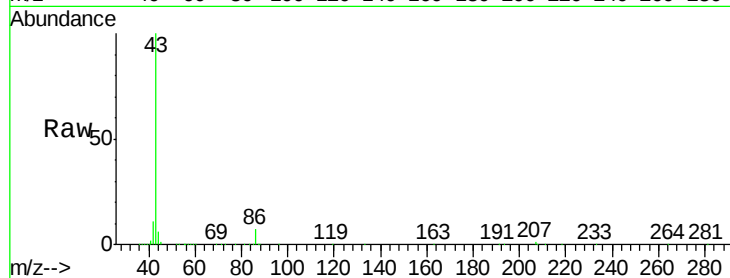
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 510587

Ion Ratio Lower Upper

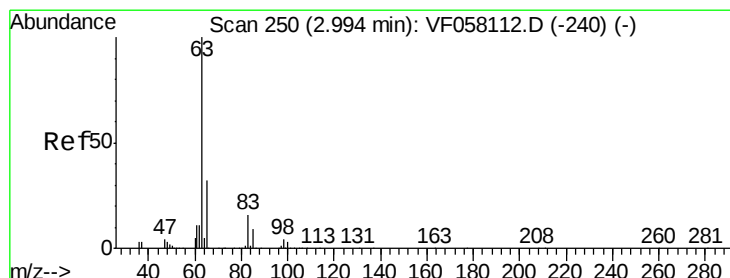
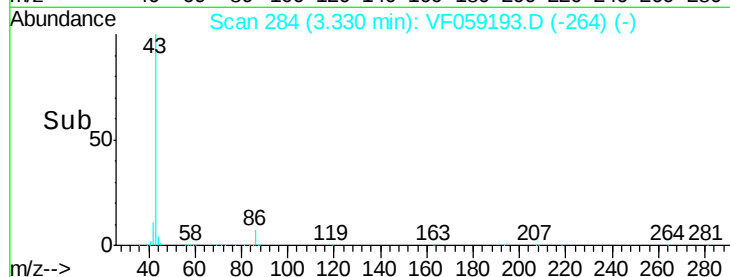
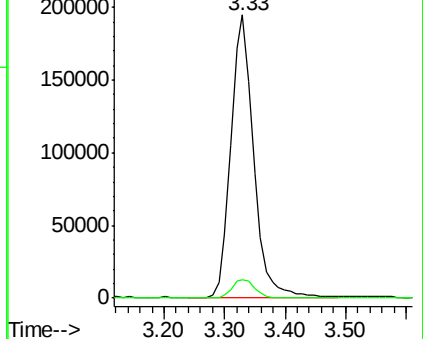
43 100

86 6.7 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 21.492 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

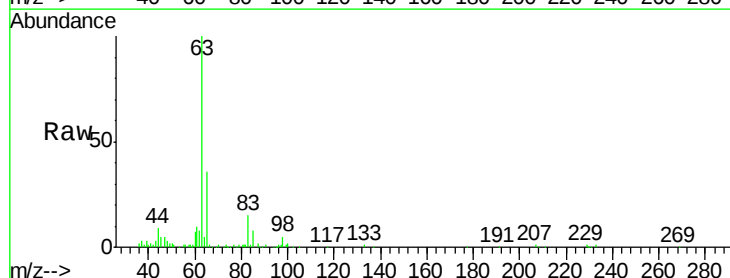
Tgt Ion: 63 Resp: 92002

Ion Ratio Lower Upper

63 100

98 4.7 2.0 6.0

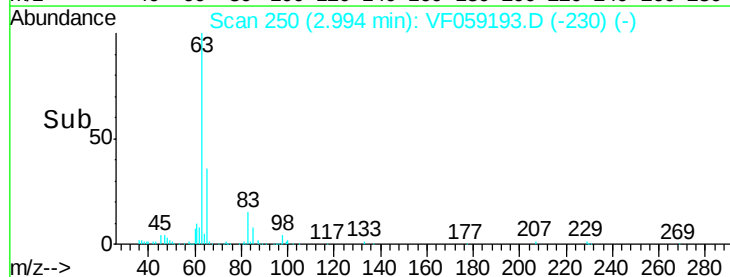
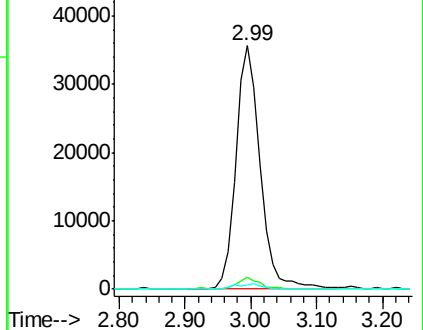
100 1.8 1.4 4.0

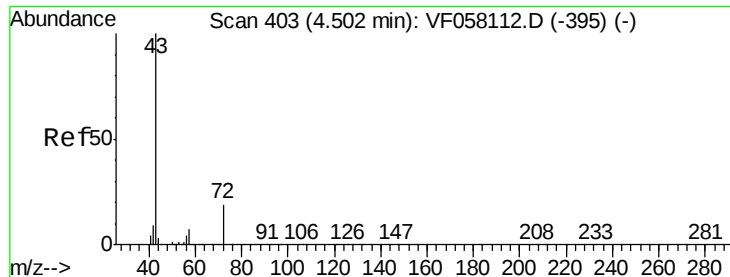


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 95.144 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

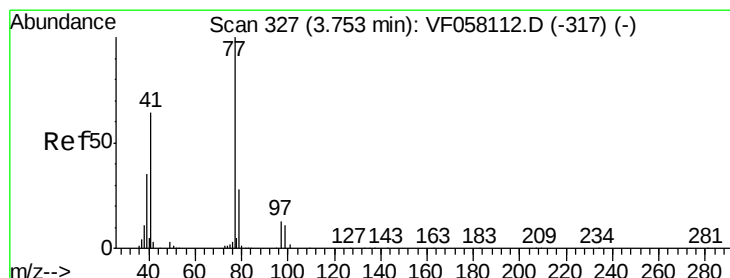
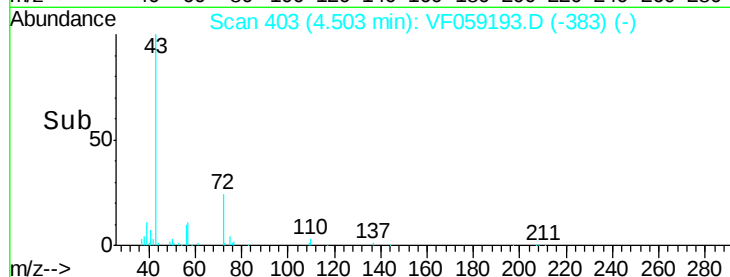
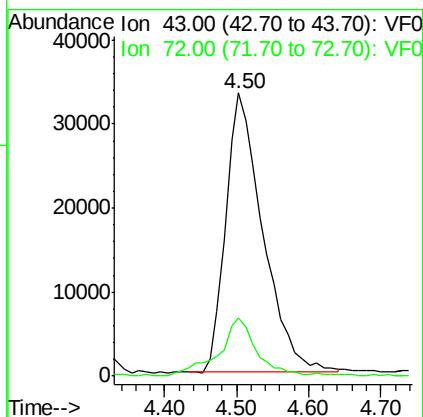
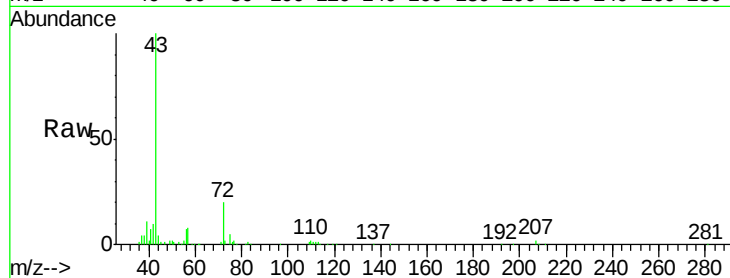
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 118632

Ion Ratio Lower Upper

43 100

72 20.3 16.1 24.1



#26

2,2-Dichloropropane

Concen: 21.131 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059193.D

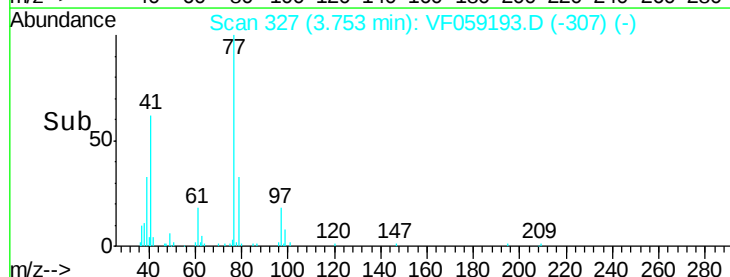
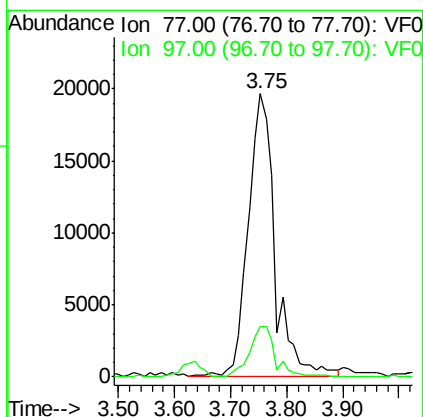
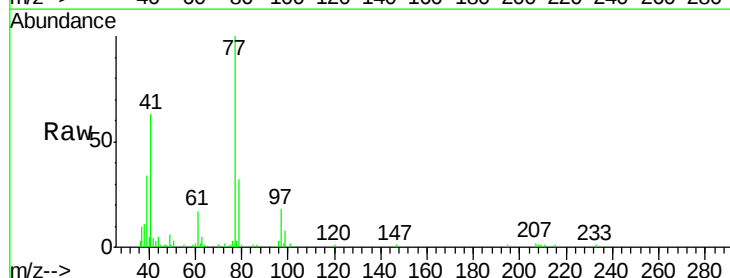
Acq: 19 Jun 2018 17:19

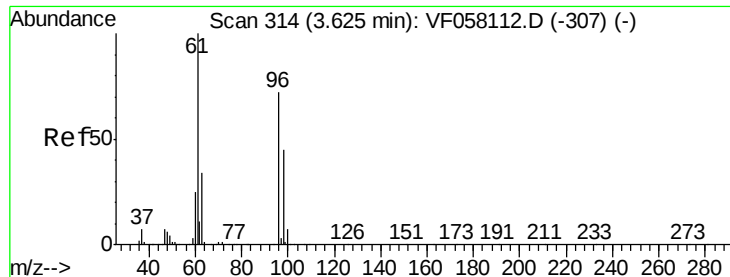
Tgt Ion: 77 Resp: 65625

Ion Ratio Lower Upper

77 100

97 17.7 7.2 21.6



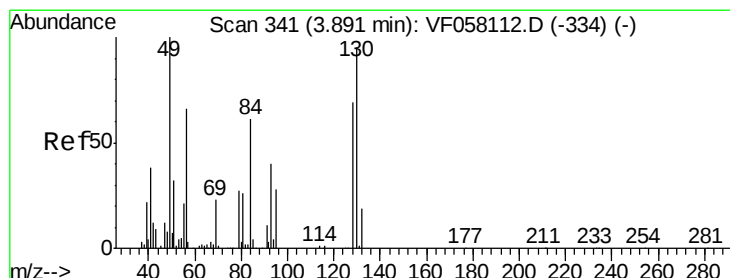
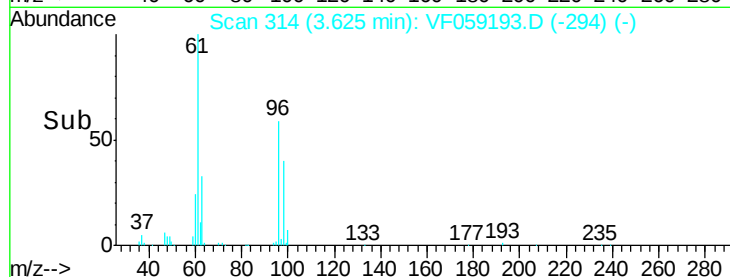
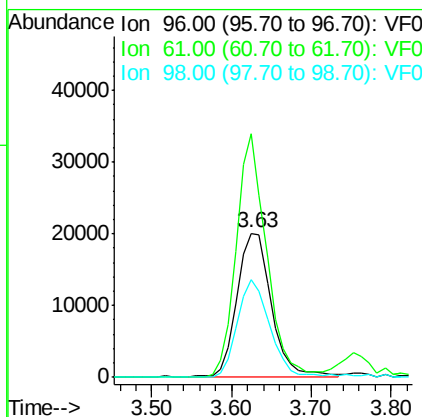
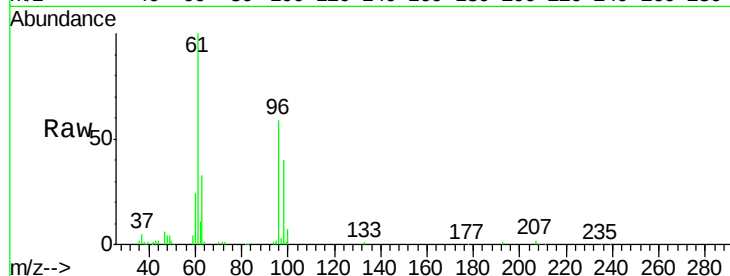


#27

cis-1,2-Dichloroethene
Concen: 19.602 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :

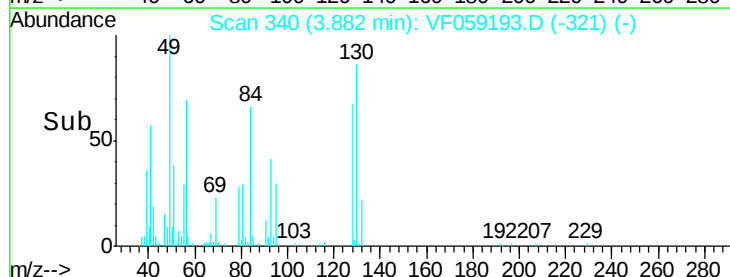
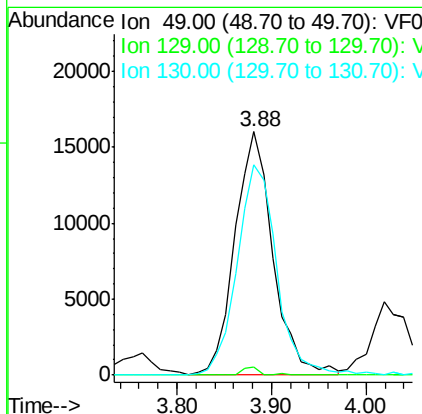
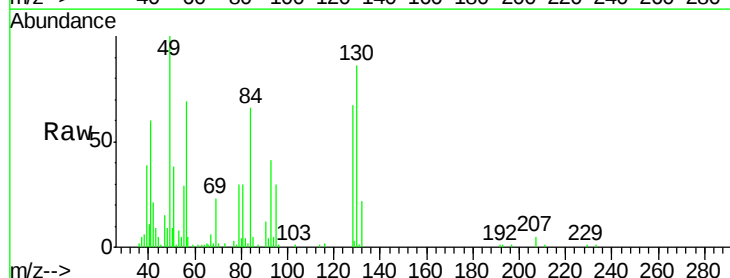
Tot Ion	96	Resp	60552
Ion	Ratio	Lower	Upper
96	100		
61	168.7	0.0	278.6
98	67.9	0.0	125.2

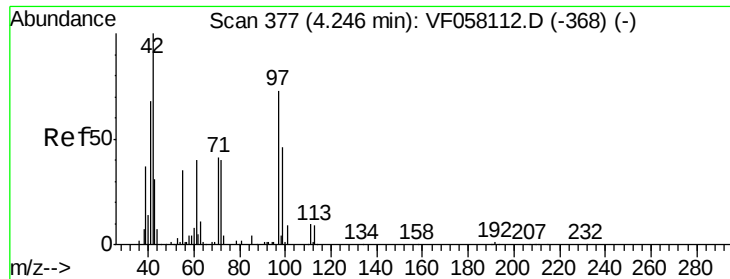


#28

Bromochloromethane
Concen: 23.222 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion	49	Resp	44743
Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	0.0#
130	86.4	75.8	113.8

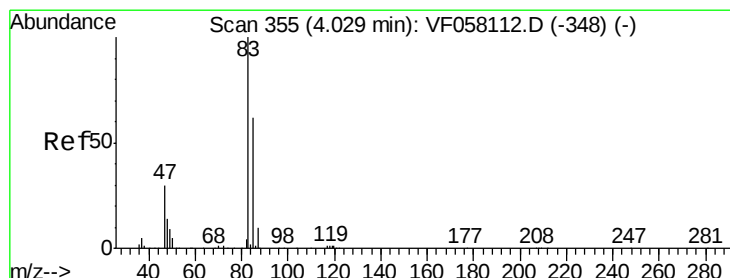
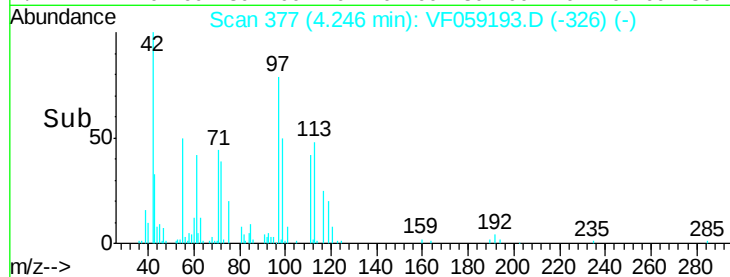
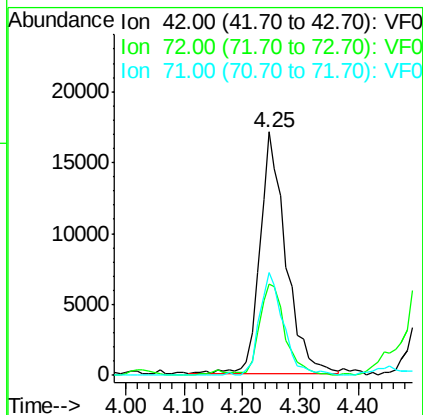
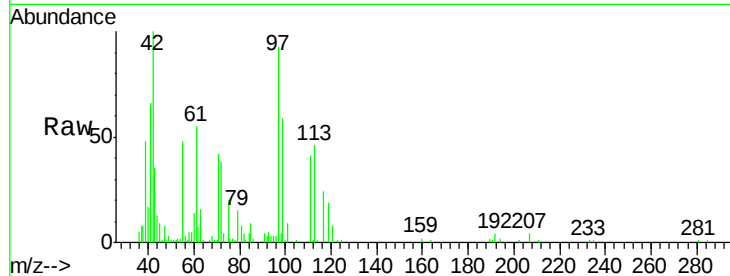




#29
Tetrahydrofuran
Concen: 97.977 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

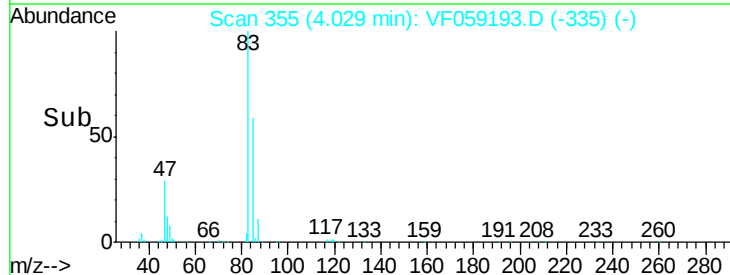
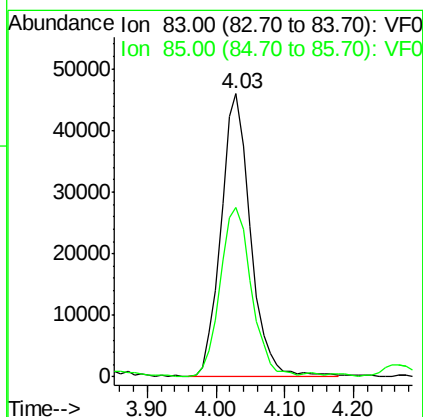
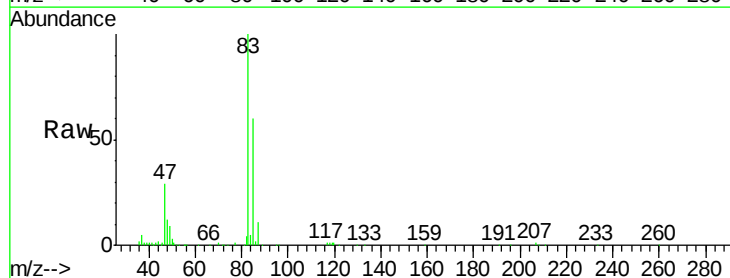
Instrument :
MSVOA_F
ClientSampleId :

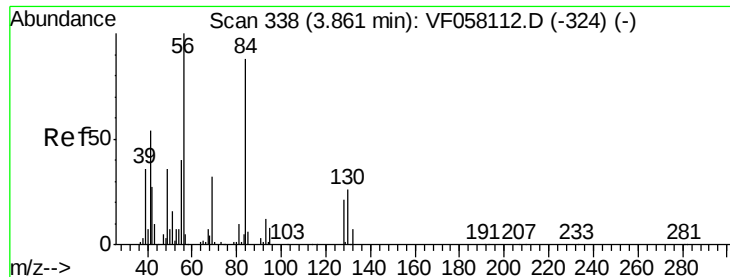
Tot Ion: 42 Resp: 53829
Ion Ratio Lower Upper
42 100
72 37.0 30.5 45.7
71 39.0 31.5 47.3



#30
Chloroform
Concen: 22.392 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion: 83 Resp: 137123
Ion Ratio Lower Upper
83 100
85 60.0 49.5 74.3





#31

Cyclohexane

Concen: 18.244 ug/l

RT: 3.85 min Scan# 337

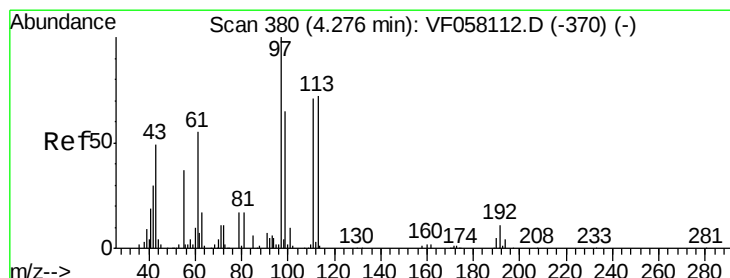
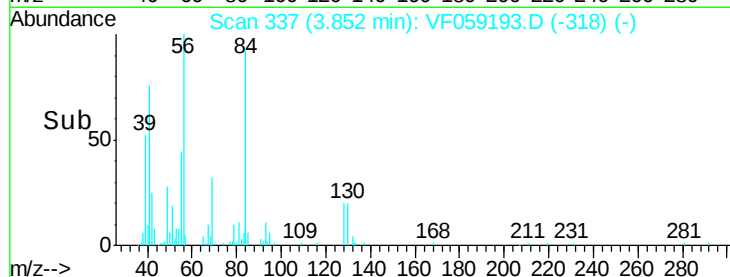
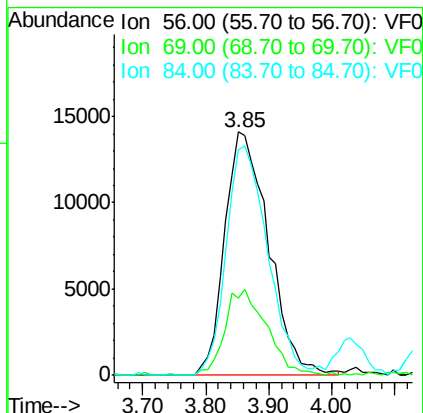
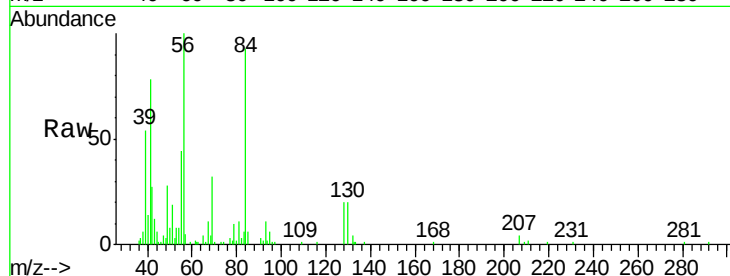
Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	56	Resp:	68225
Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.9	38.9
84	92.9	70.3	105.5



#32

1,1,1-Trichloroethane

Concen: 21.187 ug/l

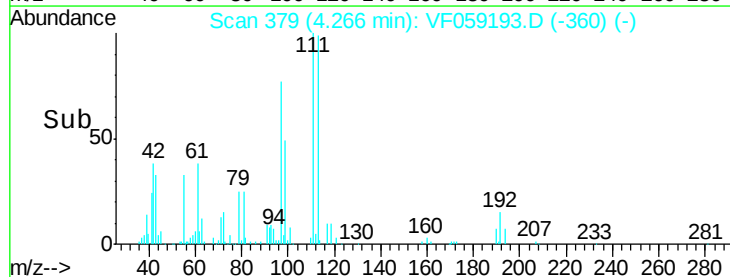
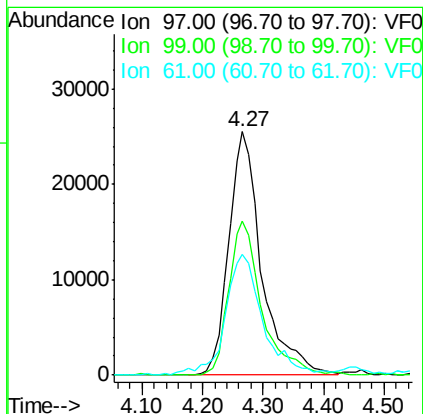
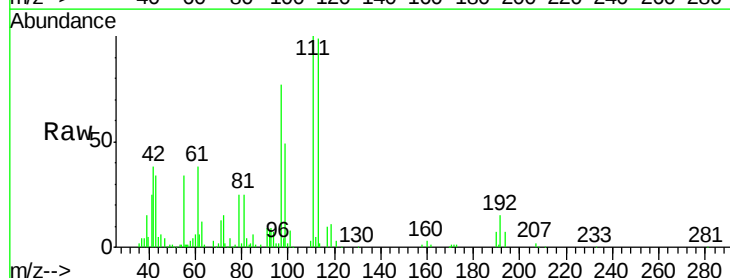
RT: 4.27 min Scan# 379

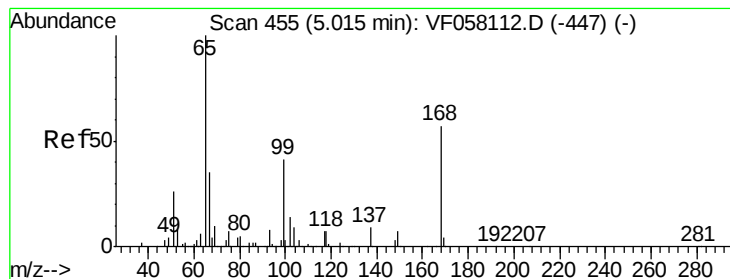
Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Tgt Ion:	97	Resp:	96859
Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.0	78.0
61	49.5	44.3	66.5





#33

1,2-Dichloroethane-d4

Concen: 53.023 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

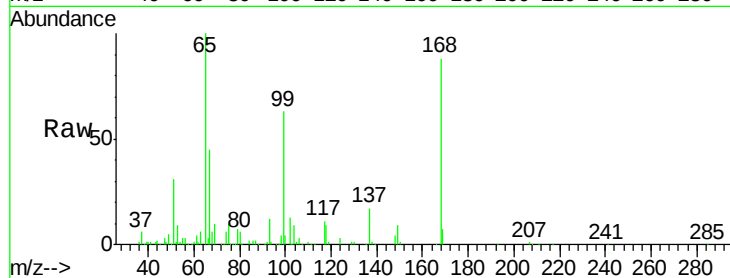
ClientSampleId :

Tot Ion: 65 Resp: 178606

Ion Ratio Lower Upper

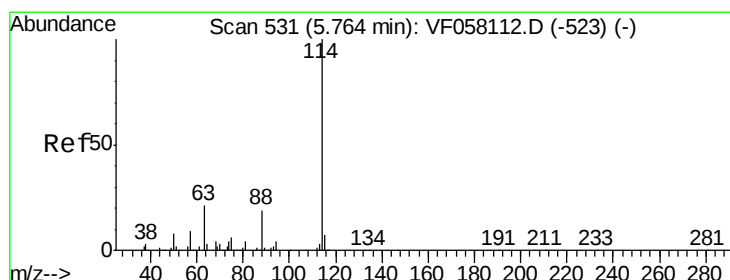
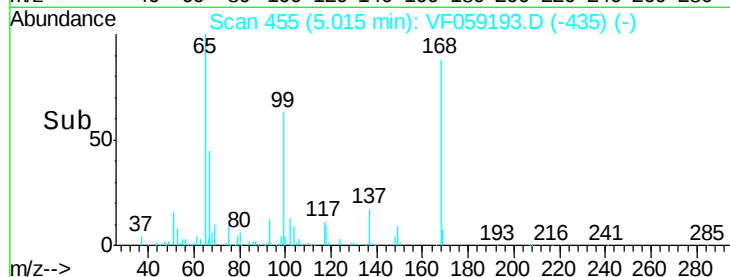
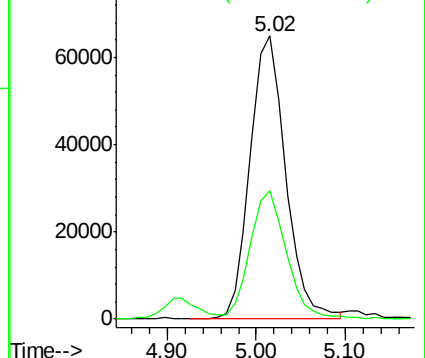
65 100

67 45.3 0.0 97.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

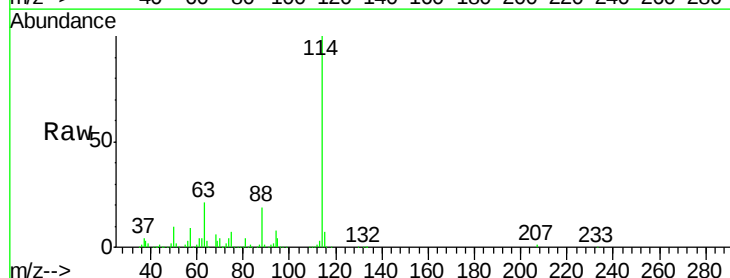
Tgt Ion: 114 Resp: 425031

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.6

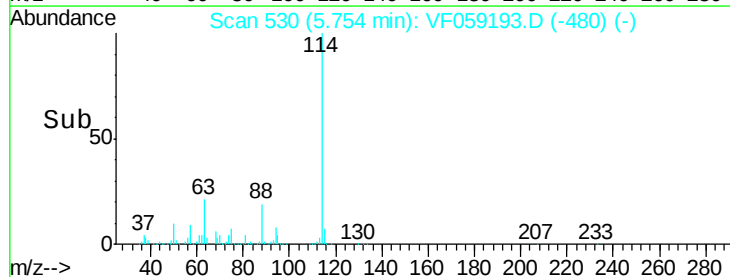
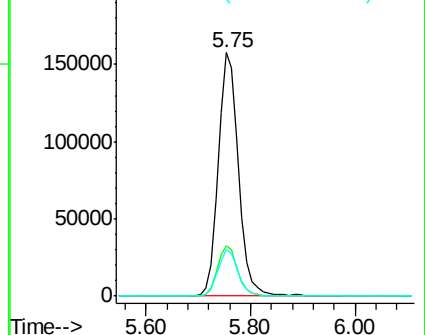
88 18.8 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 55.190 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampled :

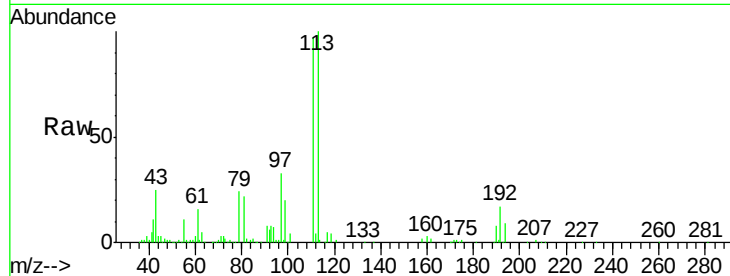
Tot Ion:113 Resp: 164595

Ion Ratio Lower Upper

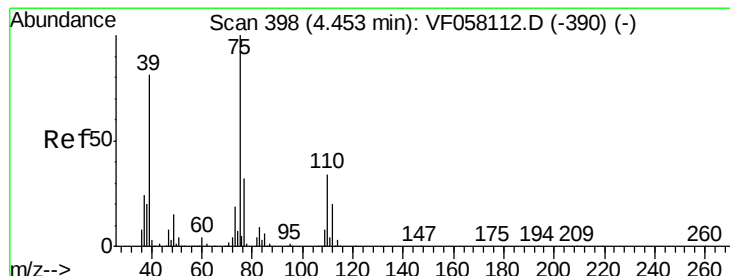
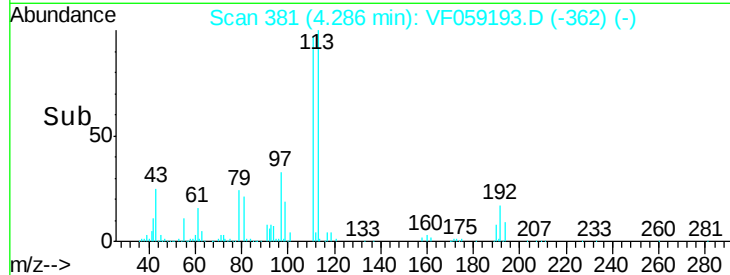
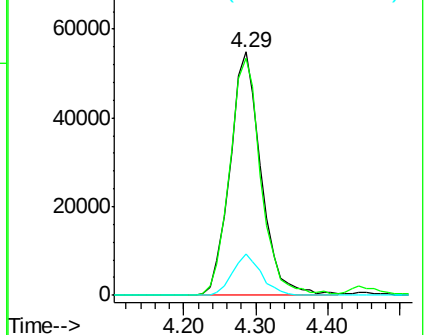
113 100

111 97.3 81.3 121.9

192 17.0 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: 19.567 ug/l

RT: 4.45 min Scan# 398

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

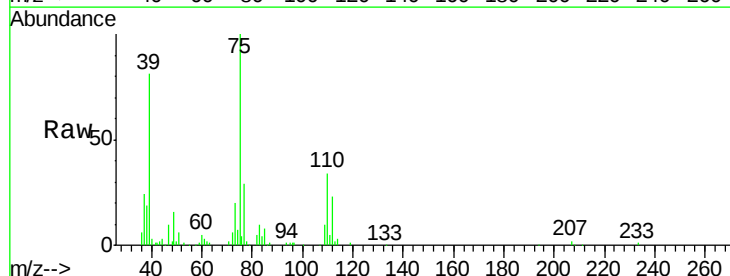
Tgt Ion: 75 Resp: 80613

Ion Ratio Lower Upper

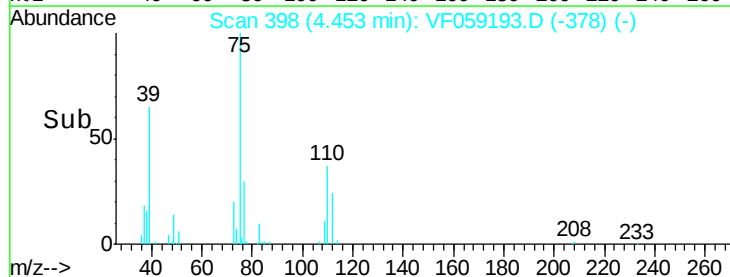
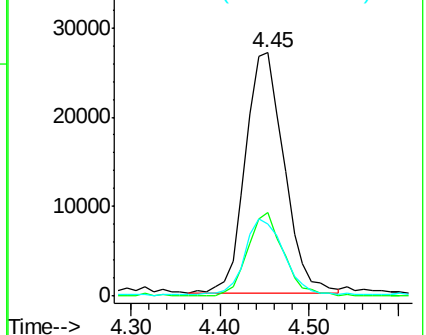
75 100

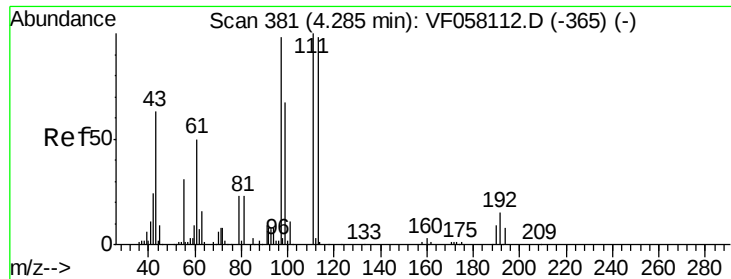
110 34.4 17.0 50.9

77 29.4 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: 21.484 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampled :

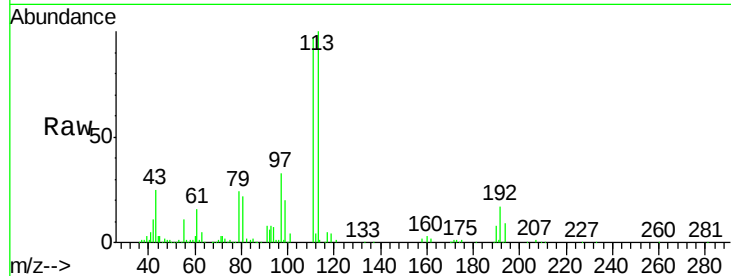
Tot Ion: 43 Resp: 54688

Ion Ratio Lower Upper

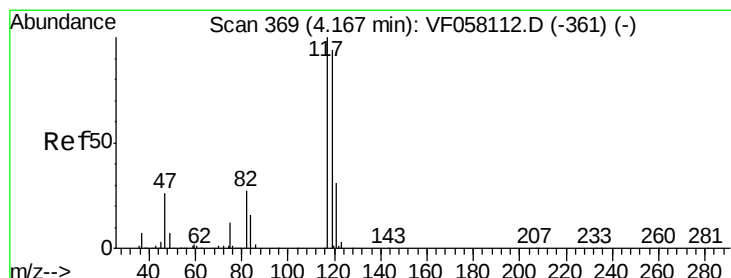
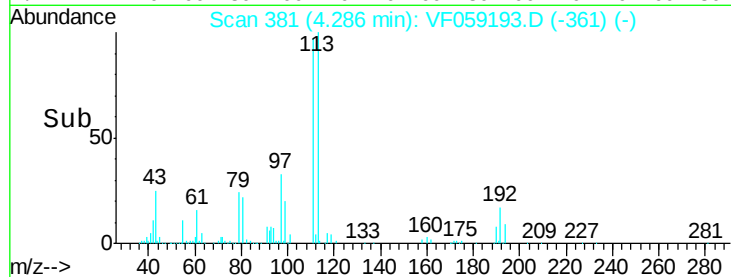
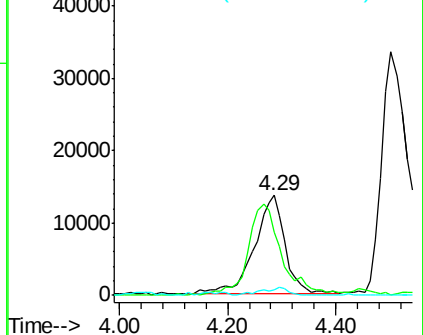
43 100

61 63.5 63.0 94.4

70 5.5 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: 25.694 ug/l

RT: 4.16 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

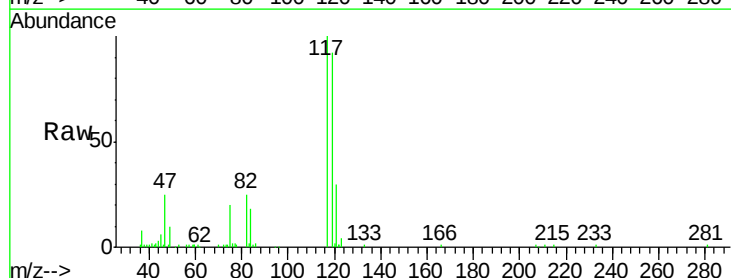
Tgt Ion: 117 Resp: 114723

Ion Ratio Lower Upper

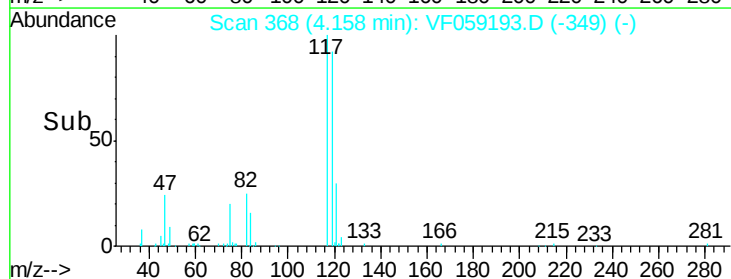
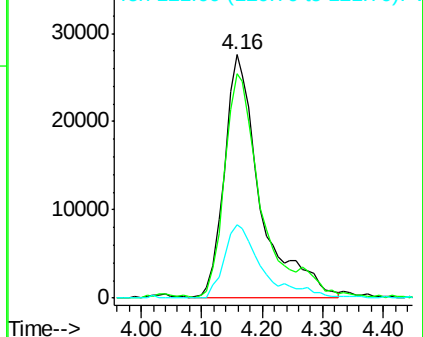
117 100

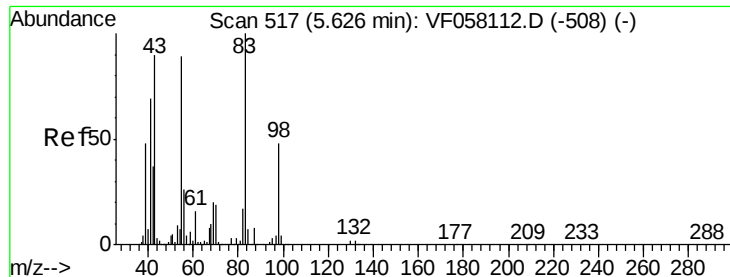
119 92.3 75.7 113.5

121 29.9 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

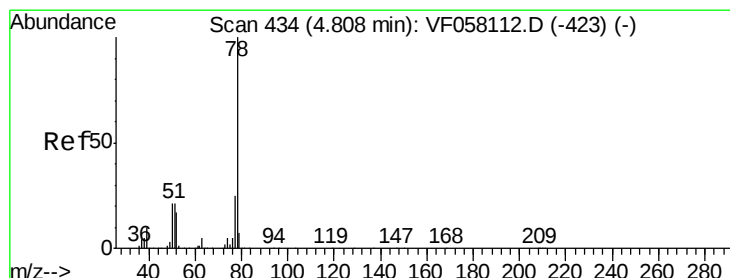
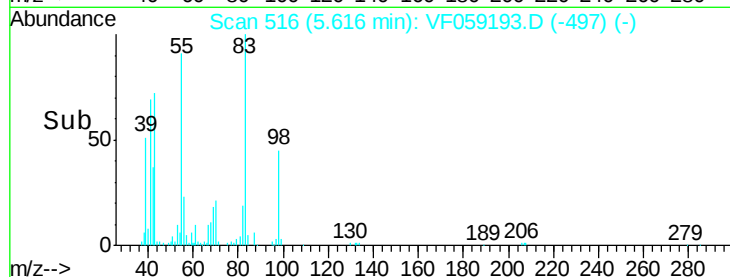
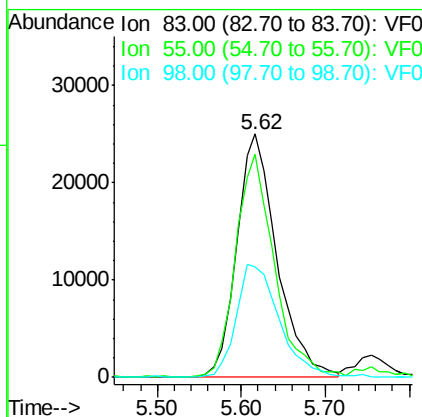
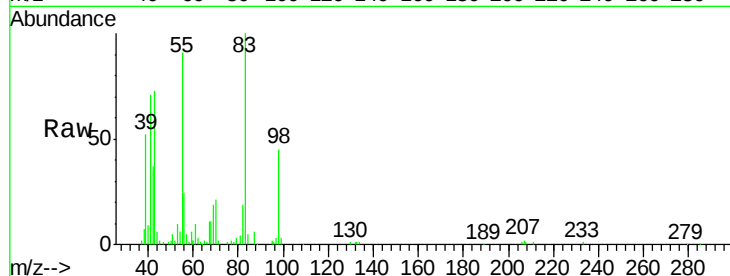




#39
Methvlcvclohexane
Concen: 19.837 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

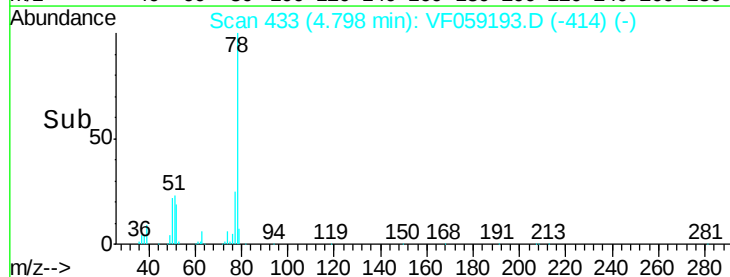
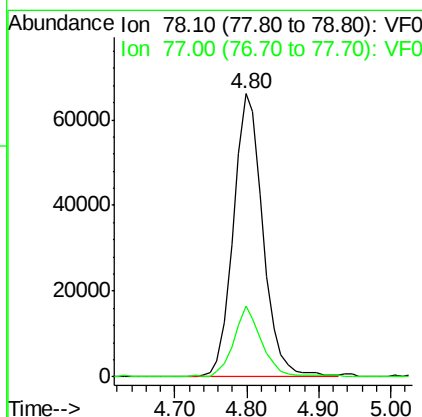
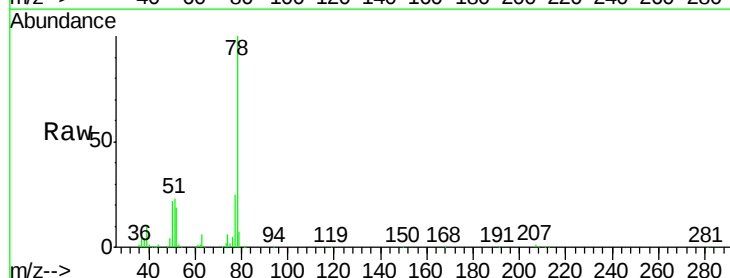
Instrument :
MSVOA_F
ClientSampleId :

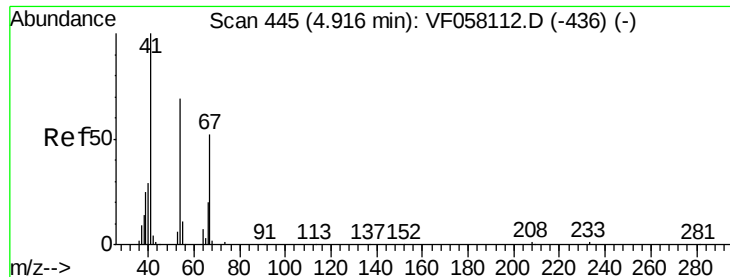
Tot Ion: 83 Resp: 83302
Ion Ratio Lower Upper
83 100
55 91.4 71.0 106.4
98 45.3 38.1 57.1



#40
Benzene
Concen: 19.758 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion: 78 Resp: 188937
Ion Ratio Lower Upper
78 100
77 24.9 20.2 30.2

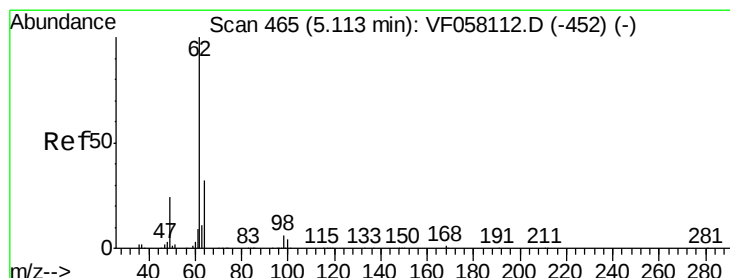
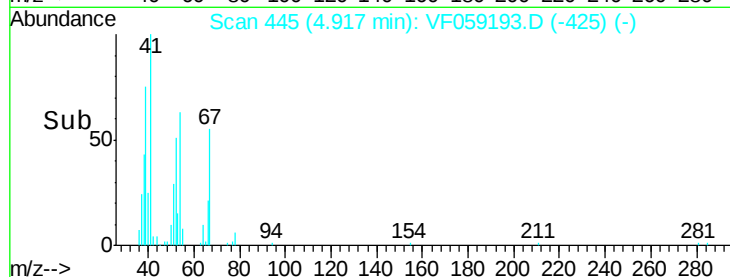
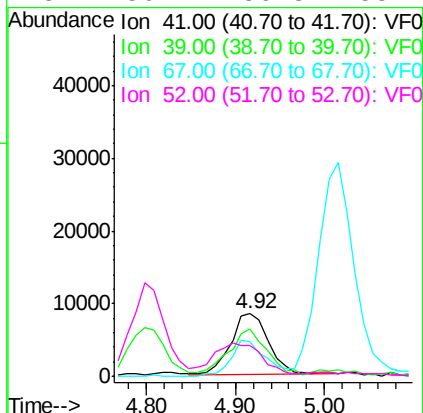
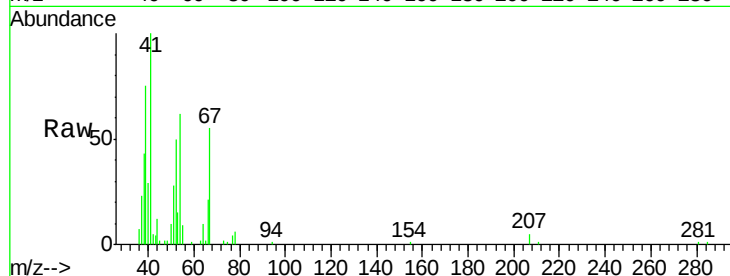




#41
Methacrylonitrile
Concen: 20.045 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

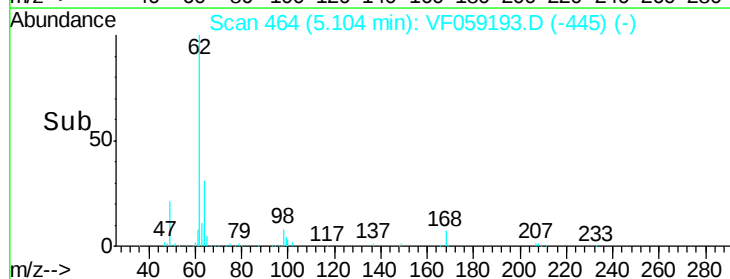
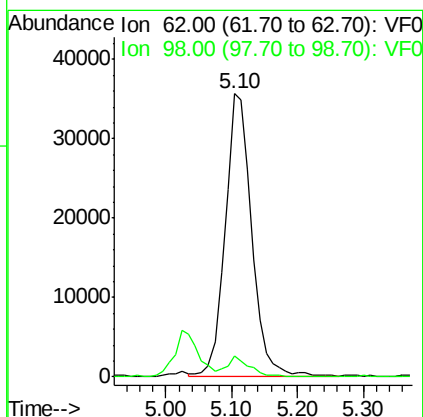
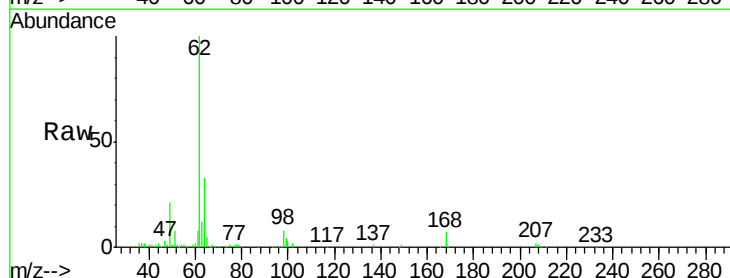
Instrument :
MSVOA_F
ClientSampleId :

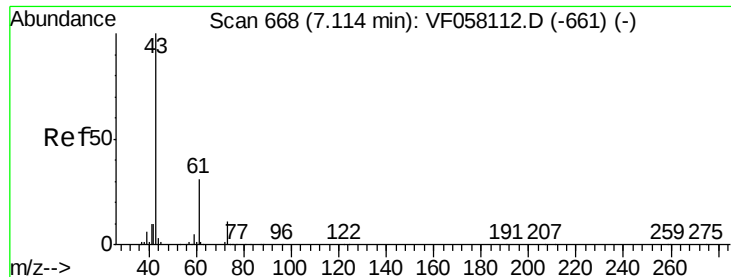
Tot Ion:	41	Resp:	25068
Ion	Ratio	Lower	Upper
41	100		
39	74.9	53.0	79.4
67	54.7	41.0	61.6
52	50.1	36.8	55.2



#42
1,2-Dichloroethane
Concen: 23.544 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion:	62	Resp:	100976
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	11.8



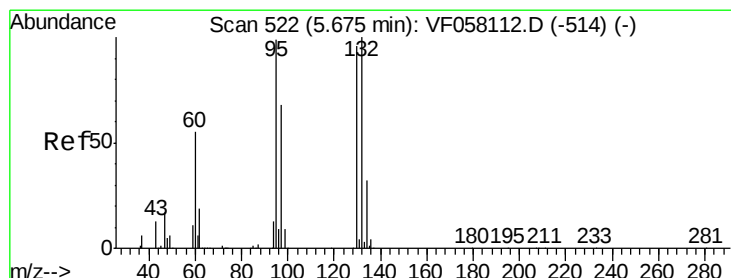
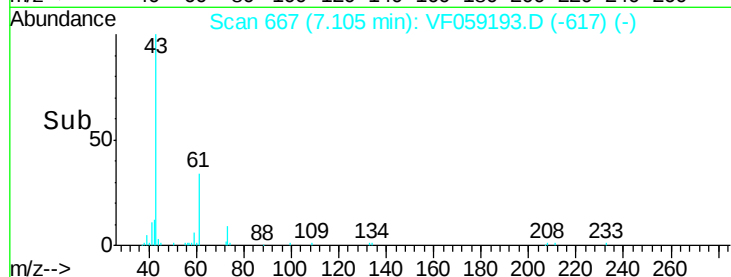
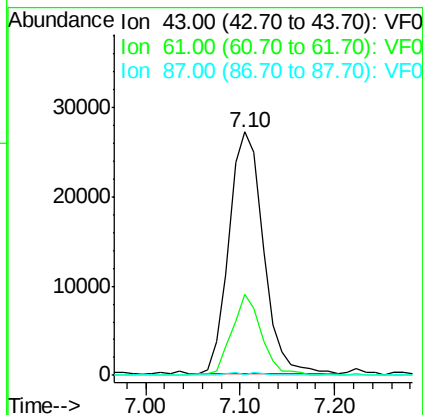
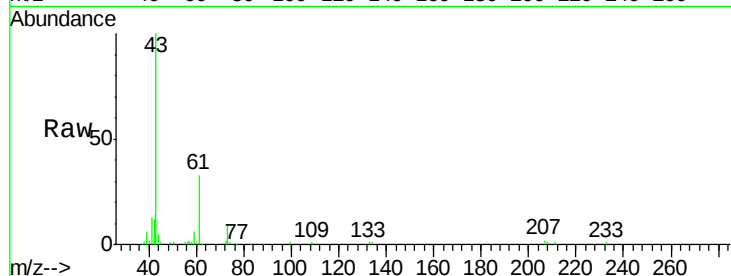


#43

Isopropyl Acetate
 Concen: 20.029 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

Instrument :
 MSVOA_F
 ClientSampleId :

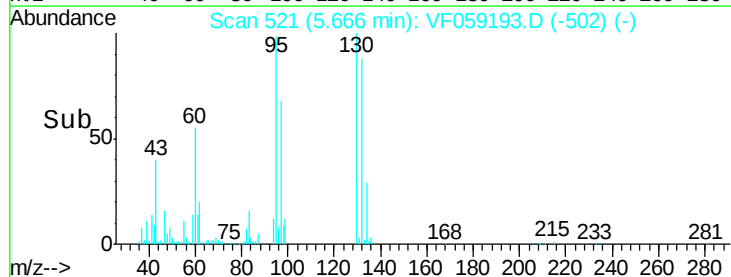
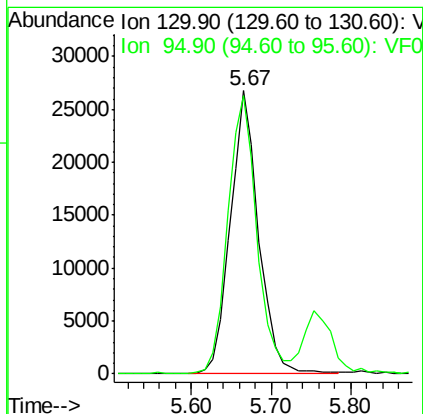
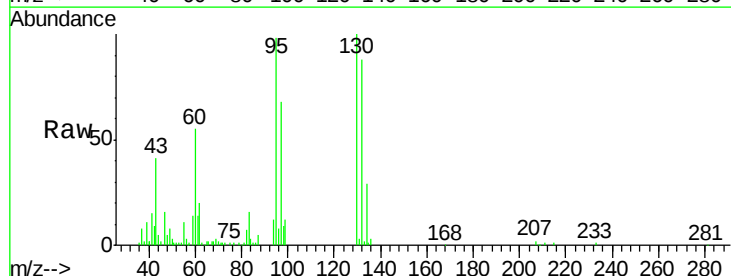
Tot Ion: 43 Resp: 68281
 Ion Ratio Lower Upper
 43 100
 61 33.0 25.1 37.7
 87 0.0 0.2 0.4#

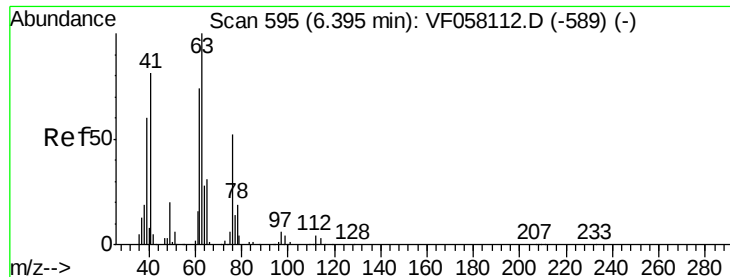


#44

Trichloroethene
 Concen: 22.154 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

Tgt Ion: 130 Resp: 66194
 Ion Ratio Lower Upper
 130 100
 95 98.2 0.0 206.8





#45

1,2-Dichloropropane

Concen: 19.490 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

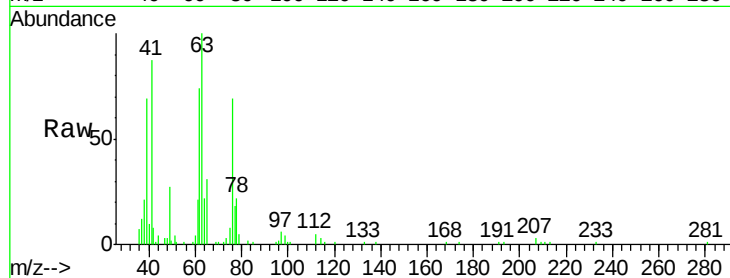
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 53737

Ion Ratio Lower Upper

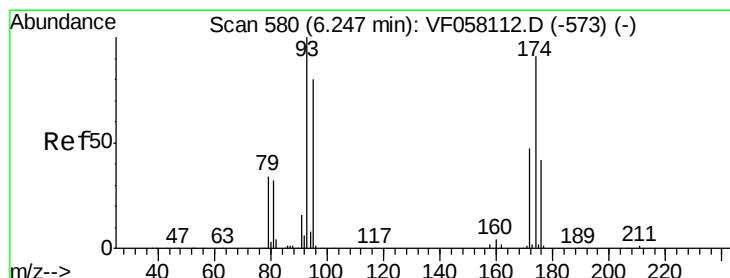
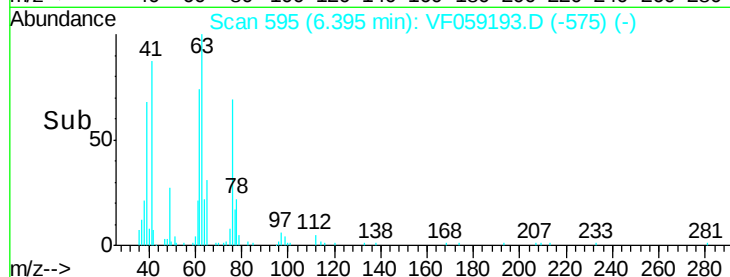
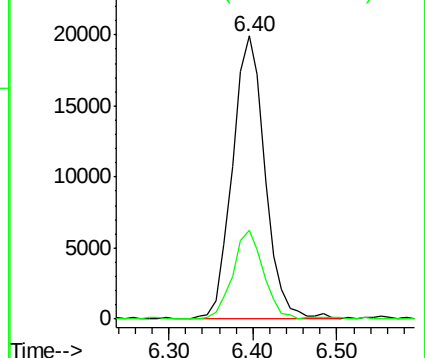
63 100

65 31.4 24.6 37.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 20.848 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

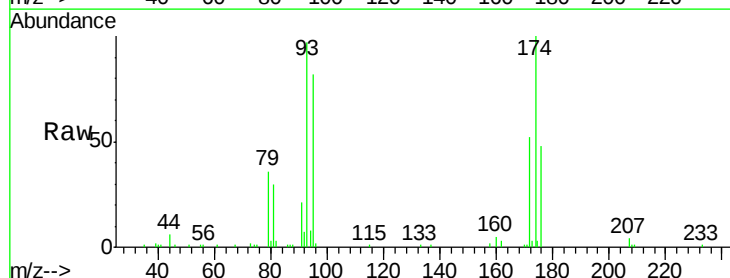
Tgt Ion: 93 Resp: 43250

Ion Ratio Lower Upper

93 100

95 84.8 64.2 96.4

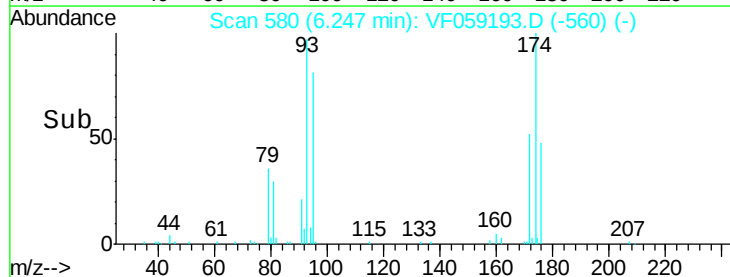
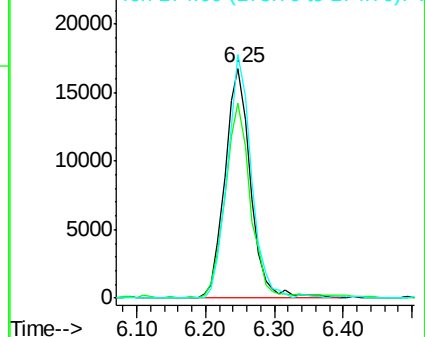
174 106.0 72.7 109.1

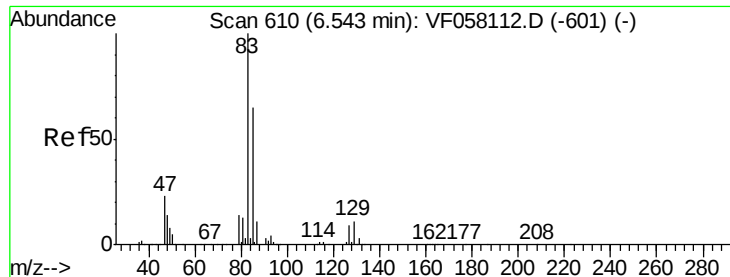


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 23.462 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :

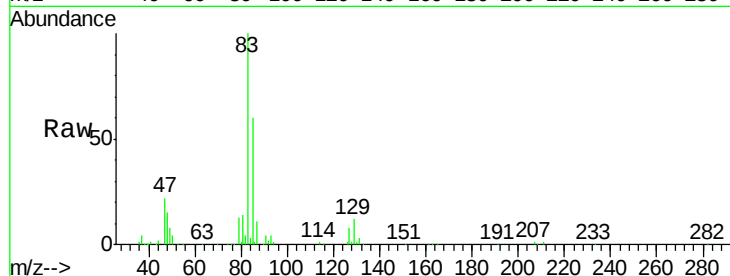
Tot Ion: 83 Resp: 110727

Ion Ratio Lower Upper

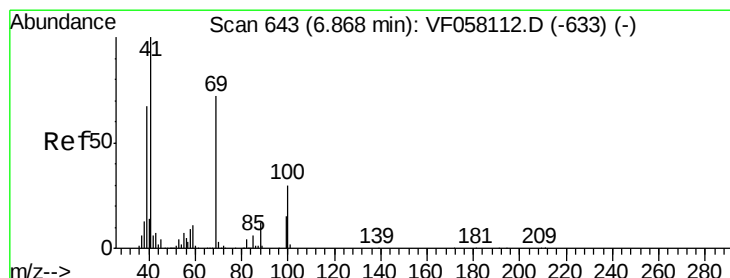
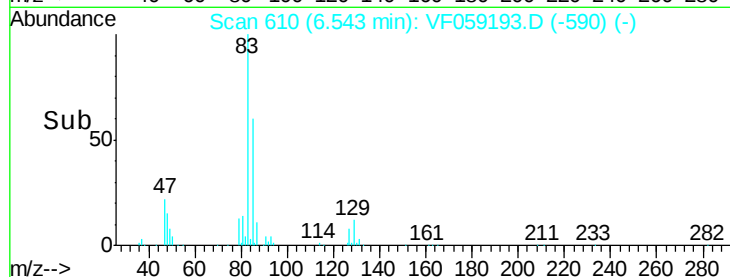
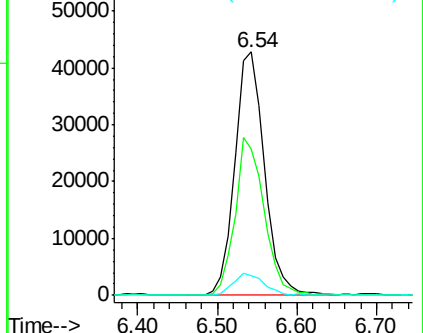
83 100

85 59.9 51.6 77.4

127 8.0 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 20.180 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

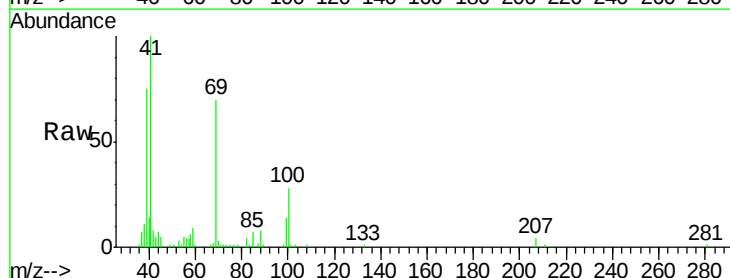
Tgt Ion: 41 Resp: 42411

Ion Ratio Lower Upper

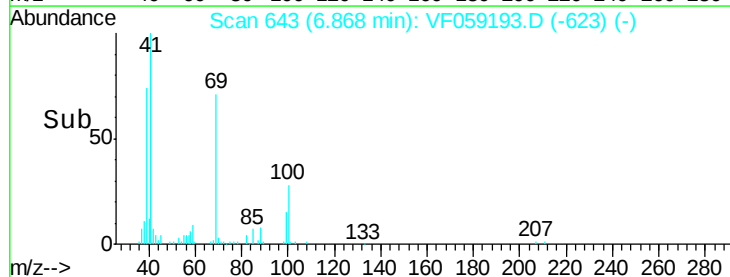
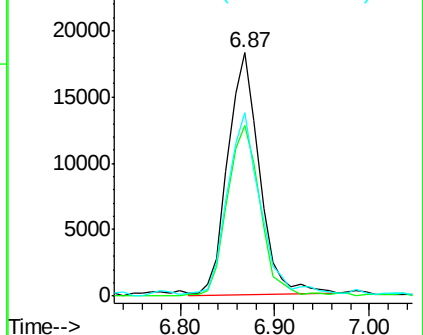
41 100

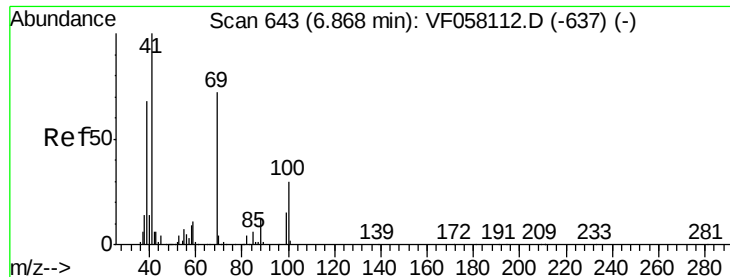
69 70.3 57.2 85.8

39 75.1 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

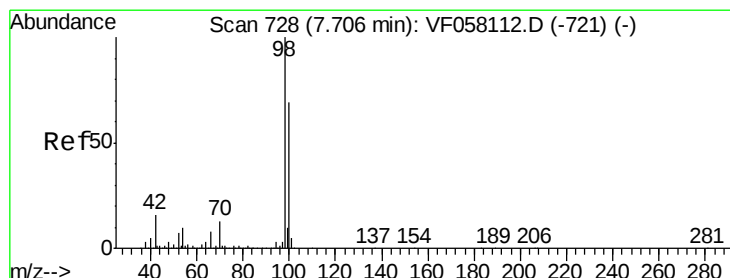
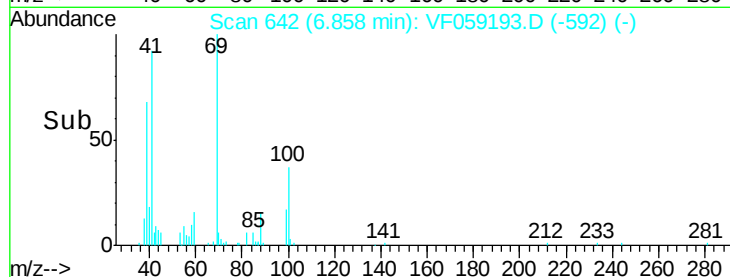
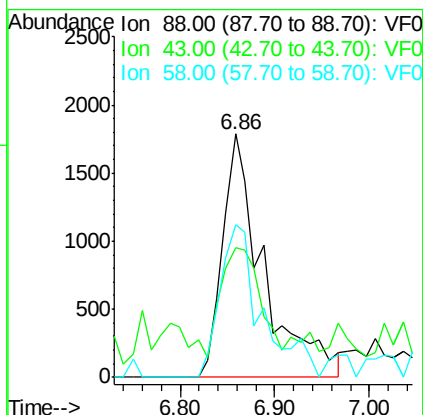
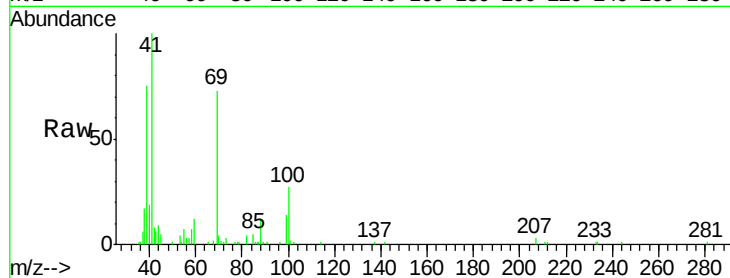




#49
1,4-Dioxane
Concen: 334.037 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

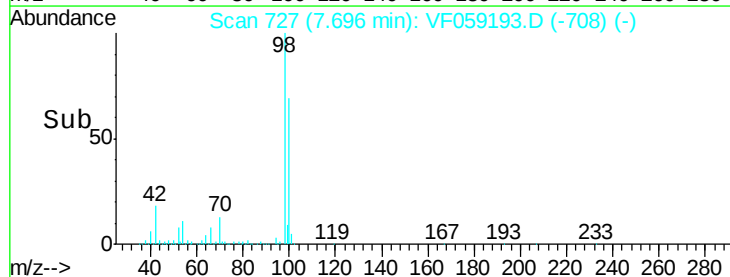
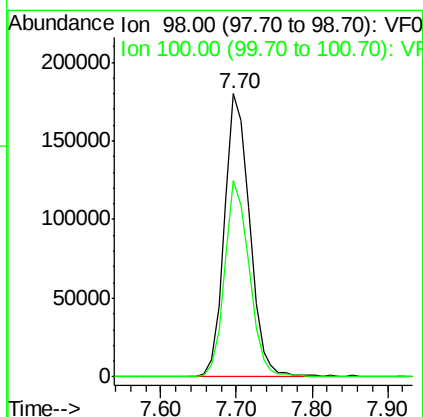
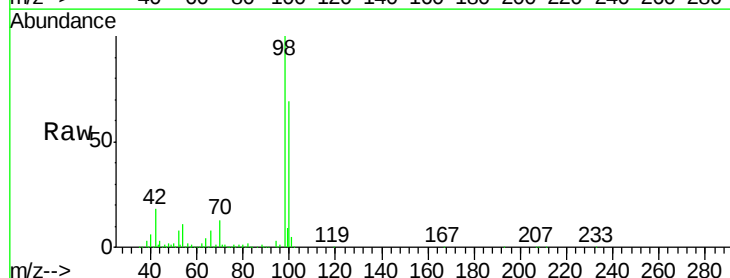
Instrument :
MSVOA_F
ClientSampleId :

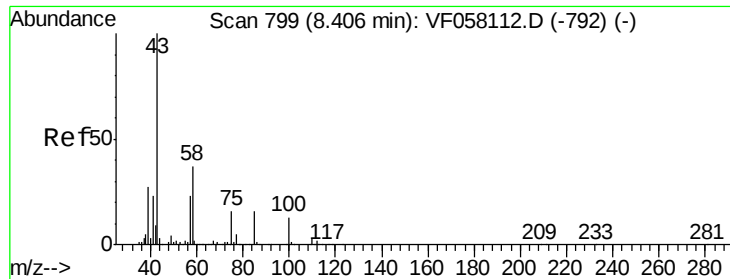
Tot Ion: 88 Resp: 5355
Ion Ratio Lower Upper
88 100
43 53.1 47.8 71.8
58 62.8 59.4 89.0



#50
Toluene-d8
Concen: 47.402 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion: 98 Resp: 415312
Ion Ratio Lower Upper
98 100
100 69.3 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 110.120 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 257309

Ion Ratio Lower Upper

43 100

58 32.0 29.4 44.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

120000

100000

80000

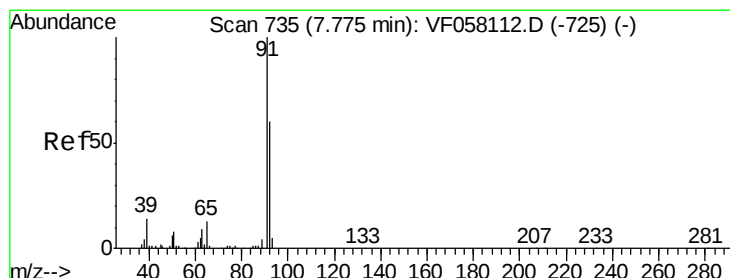
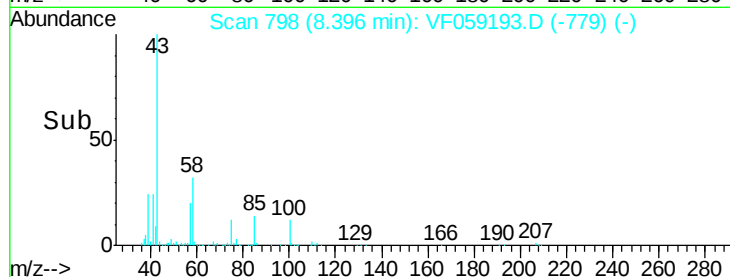
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 19.795 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059193.D

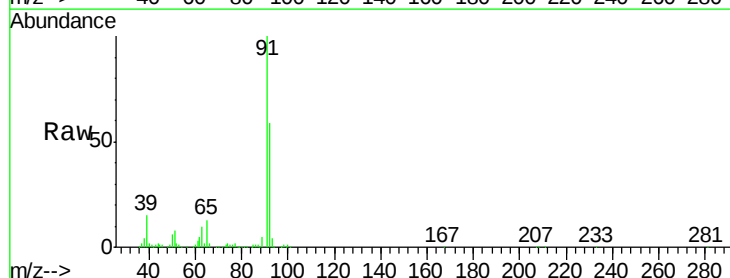
Acq: 19 Jun 2018 17:19

Tgt Ion: 92 Resp: 136342

Ion Ratio Lower Upper

92 100

91 169.3 132.9 199.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

120000

100000

80000

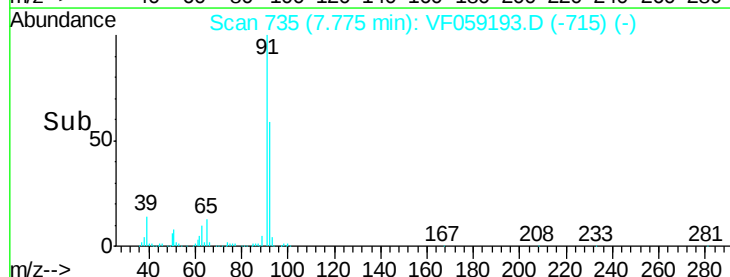
60000

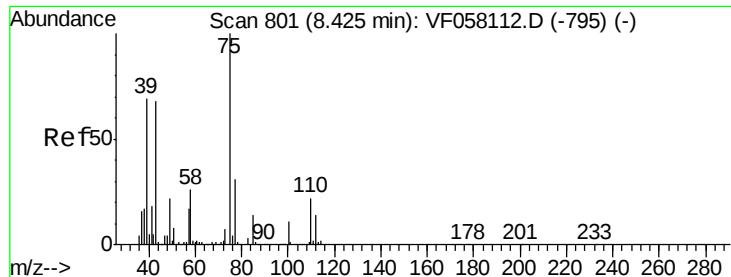
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.829 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

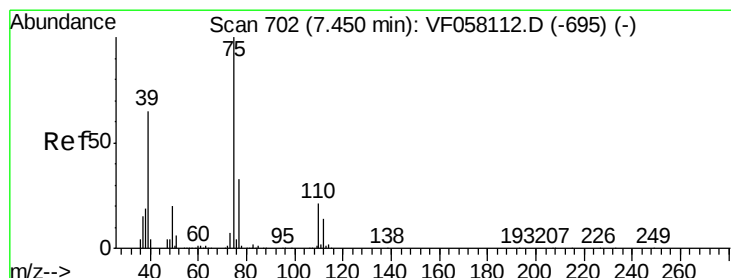
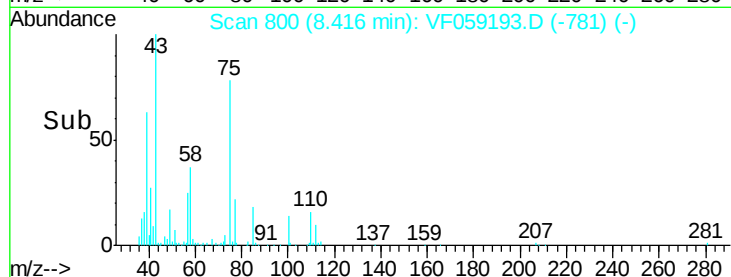
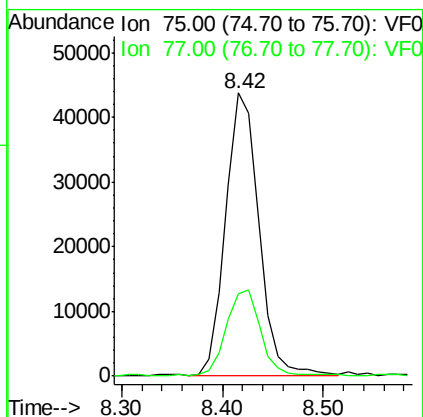
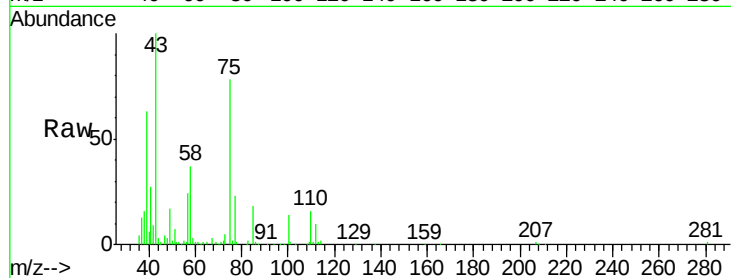
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 99771

Ion Ratio Lower Upper

75 100

77 29.2 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 22.105 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

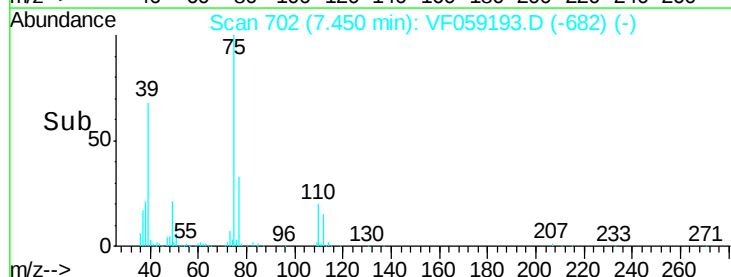
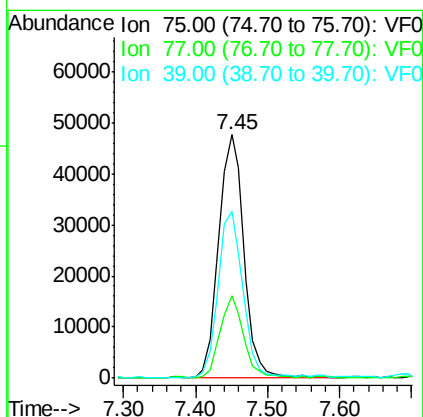
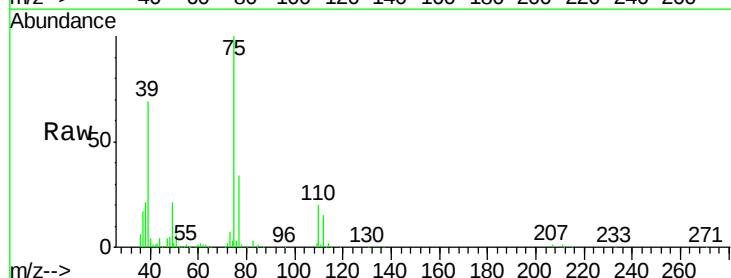
Tgt Ion: 75 Resp: 116060

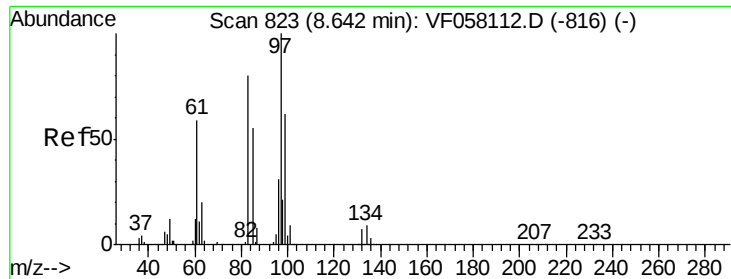
Ion Ratio Lower Upper

75 100

77 33.7 26.3 39.5

39 68.7 52.1 78.1

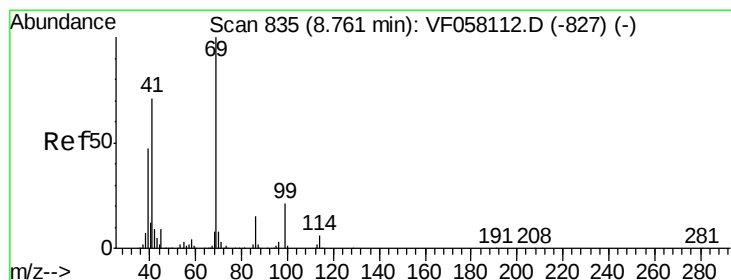
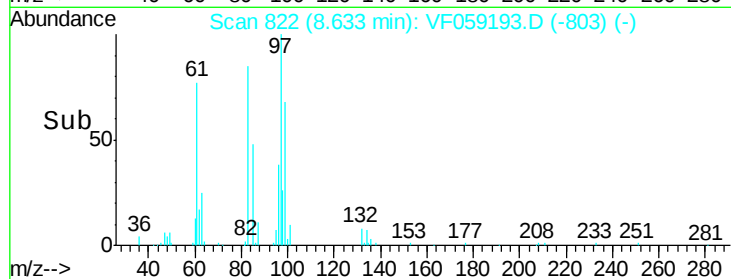
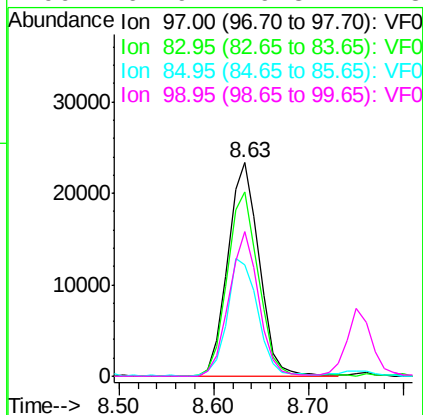
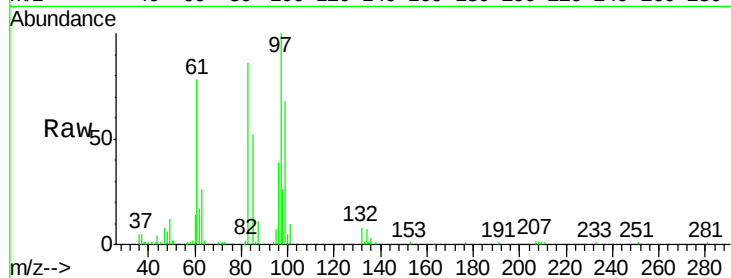




#55
 1,1,2-Trichloroethane
 Concen: 21.497 ug/l
 RT: 8.63 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

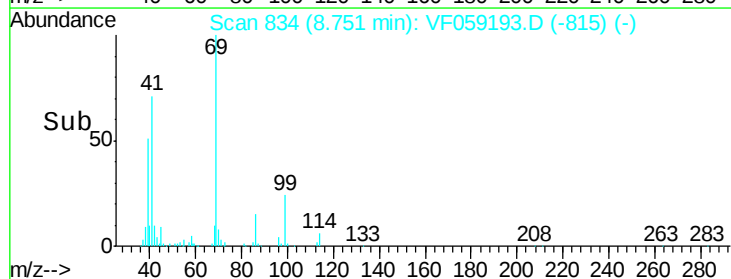
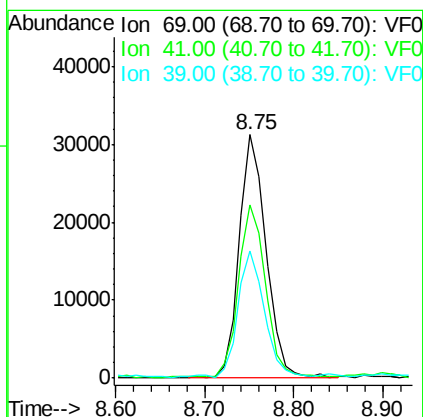
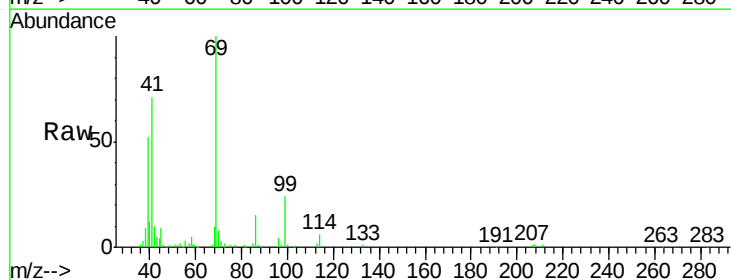
Instrument :
 MSVOA_F
 ClientSampleId :

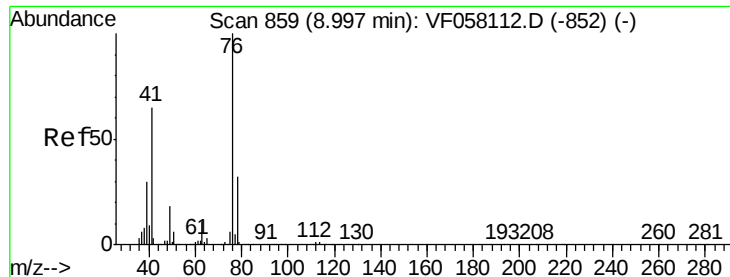
Tot Ion:	97	Resp:	53655
Ion	Ratio	Lower	Upper
97	100		
83	86.3	64.3	96.5
85	52.3	43.8	65.8
99	67.9	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 20.924 ug/l
 RT: 8.75 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

Tgt Ion:	69	Resp:	65829
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.9	85.3
39	52.1	38.0	57.0





#57

1,3-Dichloropropane

Concen: 21.541 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

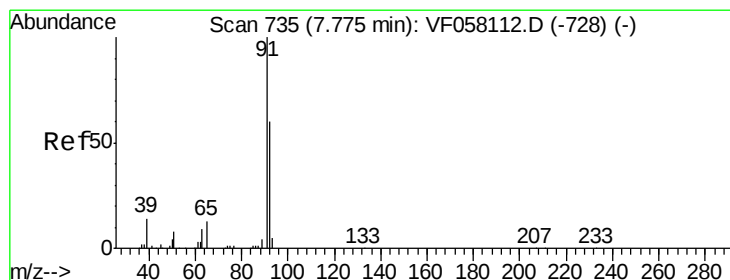
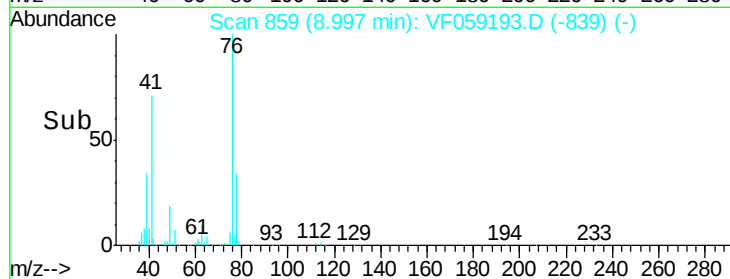
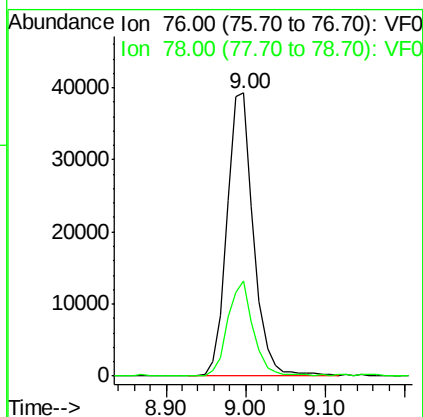
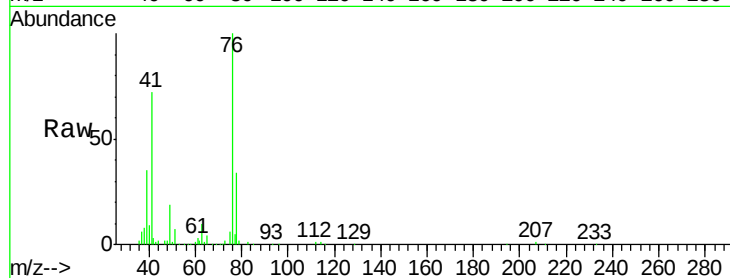
ClientSampleId :

Tot Ion: 76 Resp: 91967

Ion Ratio Lower Upper

76 100

78 33.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 107.430 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059193.D

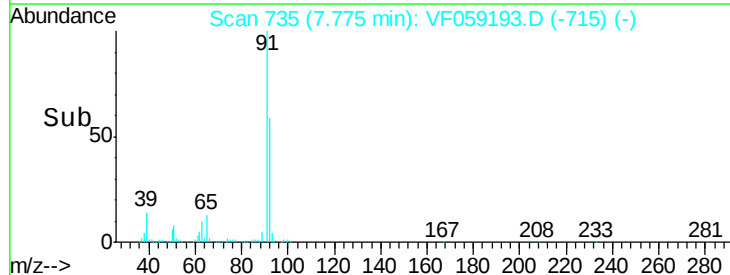
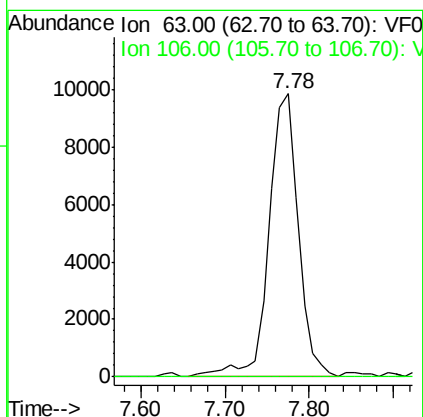
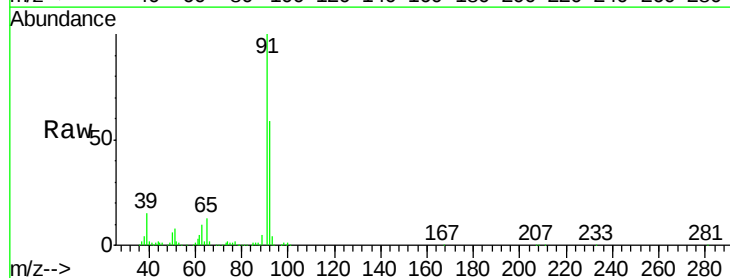
Acq: 19 Jun 2018 17:19

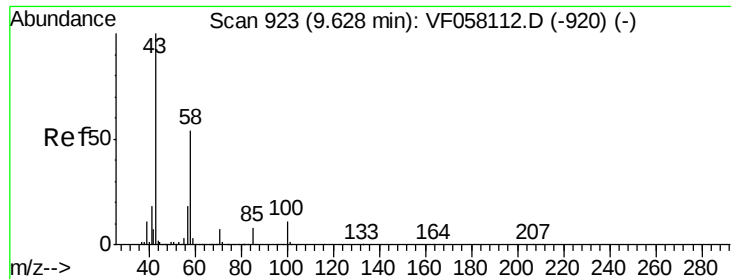
Tgt Ion: 63 Resp: 24167

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

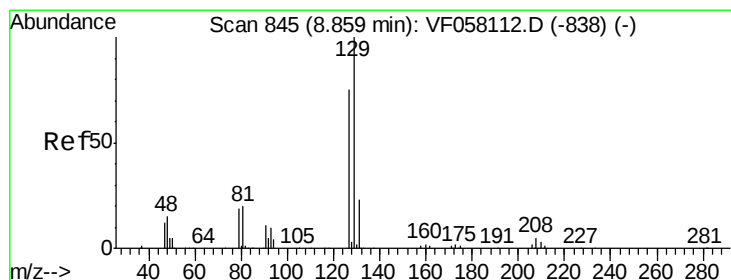
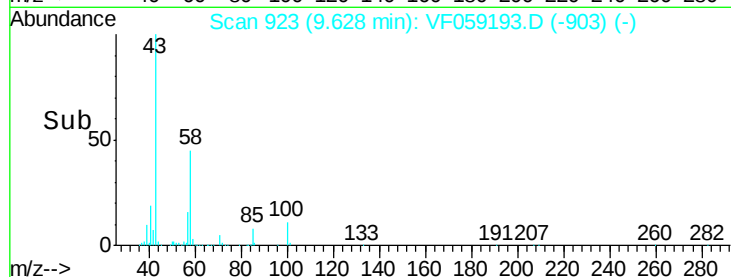
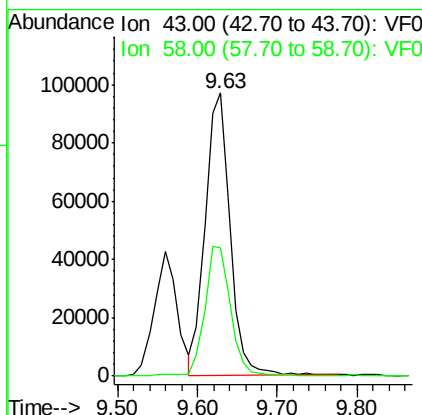
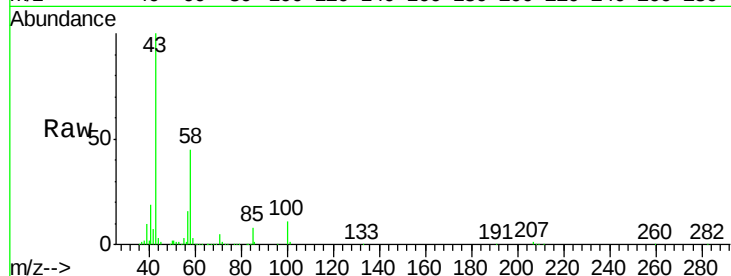




#59
2-Hexanone
Concen: 113.487 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

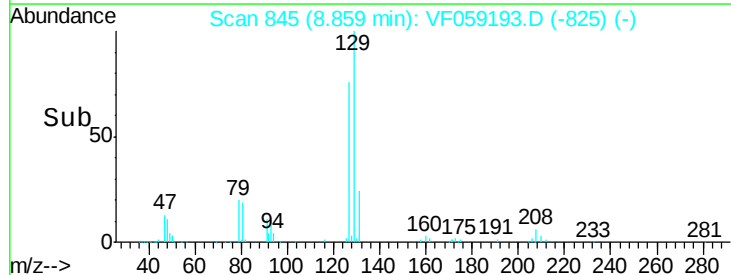
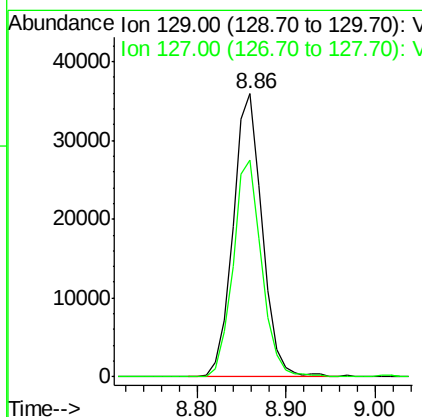
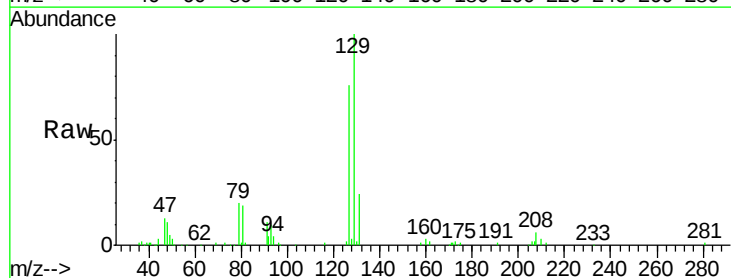
Instrument :
MSVOA_F
ClientSampleId :

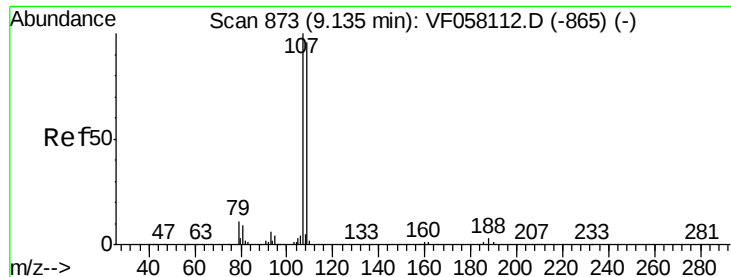
Tot Ion: 43 Resp: 209753
Ion Ratio Lower Upper
43 100
58 45.4 26.3 78.8



#60
Dibromochloromethane
Concen: 22.783 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion: 129 Resp: 81714
Ion Ratio Lower Upper
129 100
127 76.4 37.6 112.9





#61

1,2-Dibromoethane

Concen: 21.758 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

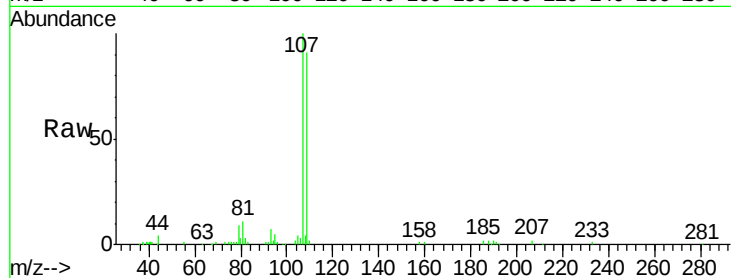
ClientSampleId :

Tot Ion:107 Resp: 63101

Ion Ratio Lower Upper

107 100

109 90.6 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.13

25000

20000

15000

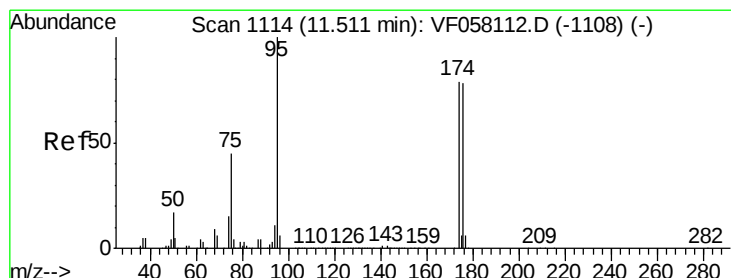
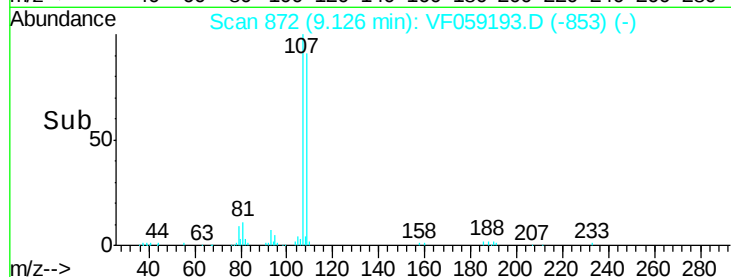
10000

5000

0

Time-->

9.00 9.10 9.20



#62

4-Bromofluorobenzene

Concen: 50.384 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

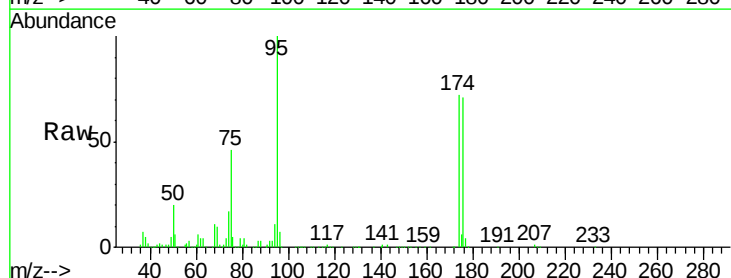
Tgt Ion: 95 Resp: 226416

Ion Ratio Lower Upper

95 100

174 71.9 0.0 157.8

176 70.9 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

11.50

150000

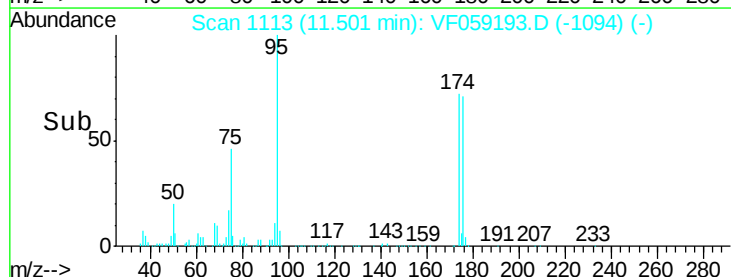
100000

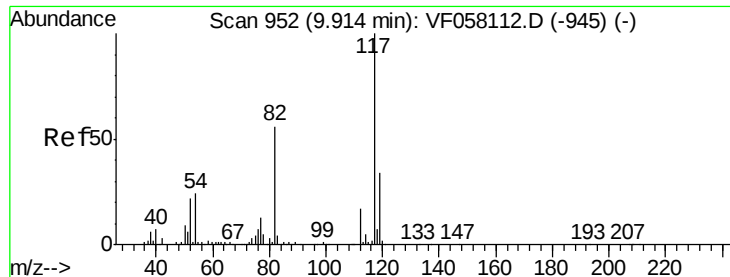
50000

0

Time-->

11.40 11.50 11.60 11.70

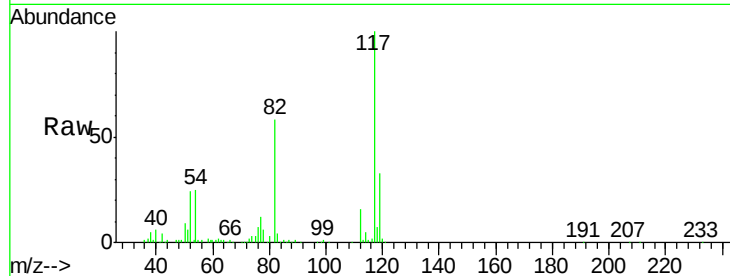




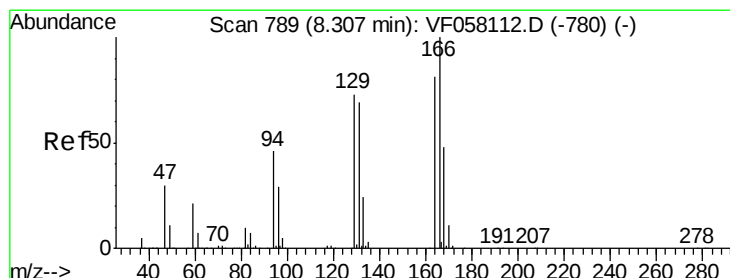
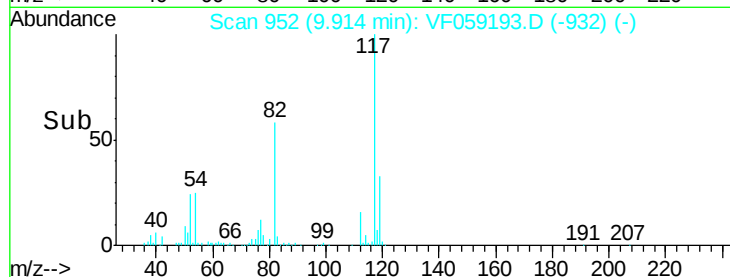
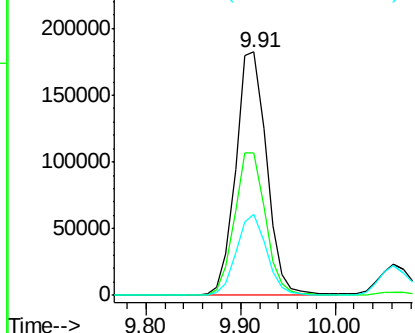
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 415128
Ion Ratio Lower Upper
117 100
82 58.3 45.2 67.8
119 33.4 27.5 41.3

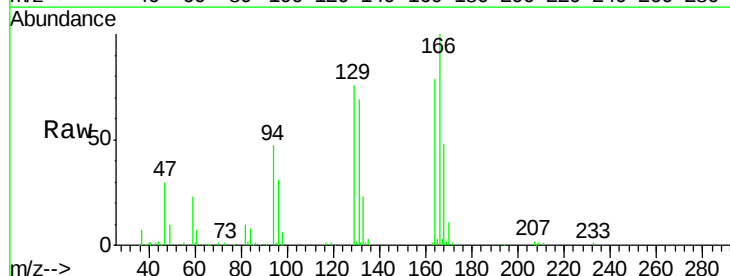


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

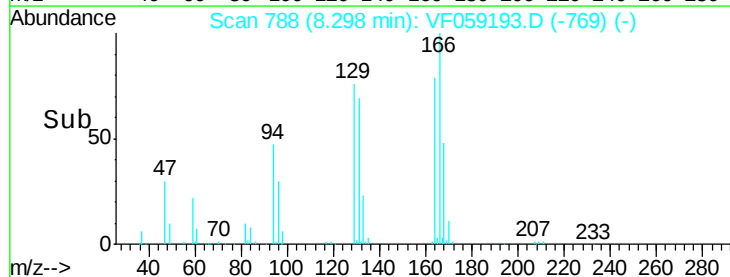
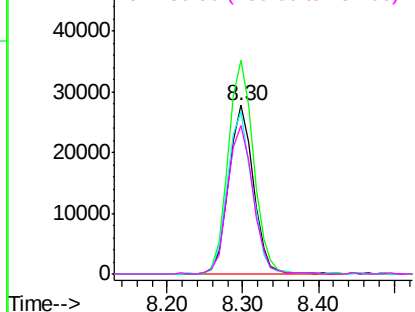


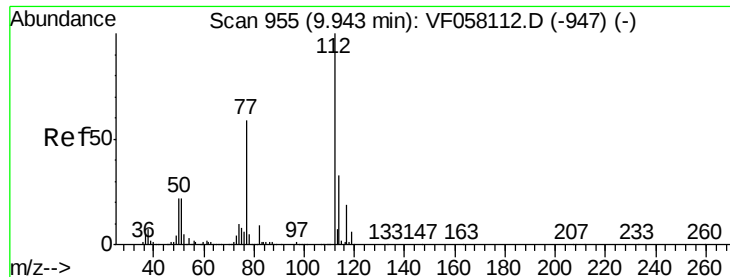
#64
Tetrachloroethene
Concen: 20.562 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion:164 Resp: 62606
Ion Ratio Lower Upper
164 100
166 126.7 98.2 147.4
129 96.3 71.6 107.4
131 87.7 67.8 101.6



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





#65

Chlorobenzene

Concen: 21.728 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

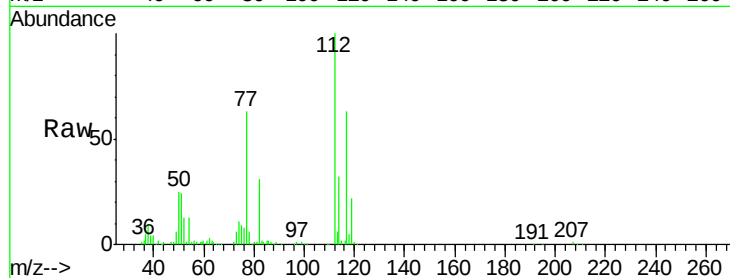
ClientSampleId :

Tot Ion:112 Resp: 178614

Ion Ratio Lower Upper

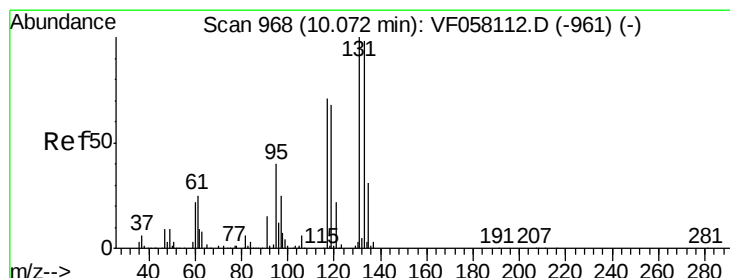
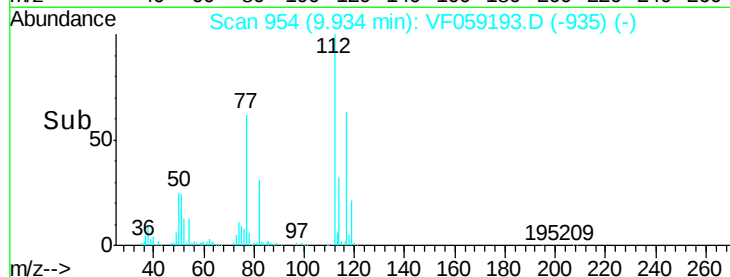
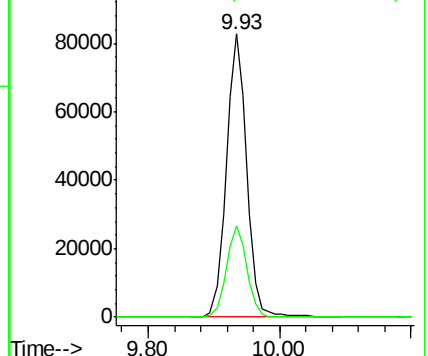
112 100

114 32.4 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.525 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

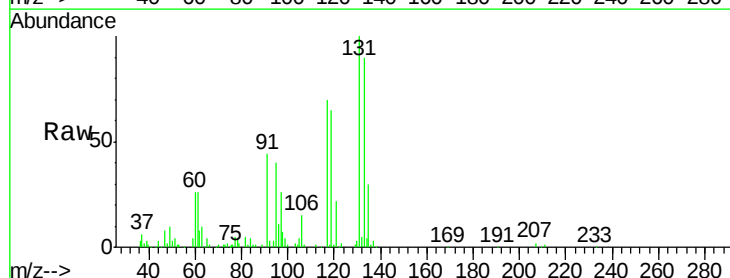
Tgt Ion:131 Resp: 73658

Ion Ratio Lower Upper

131 100

133 90.4 49.1 147.4

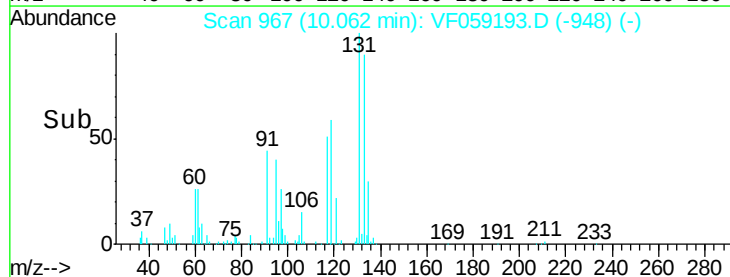
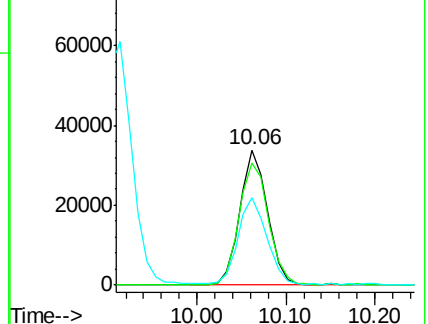
119 64.7 34.3 102.8

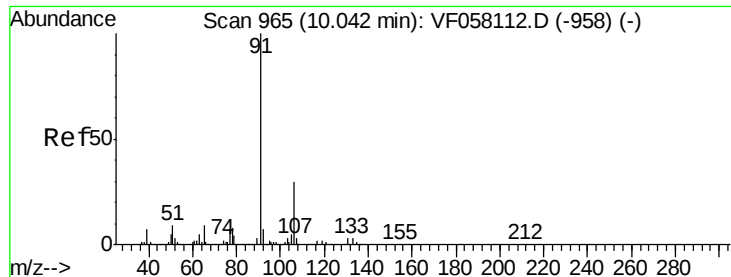


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.416 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

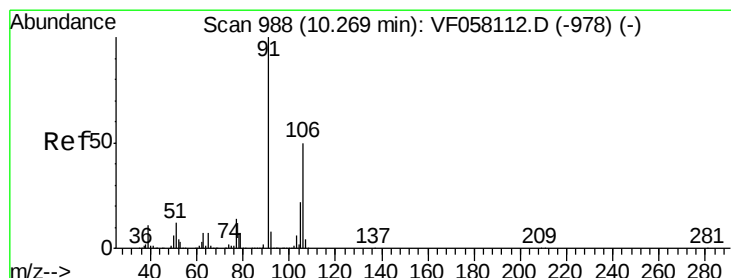
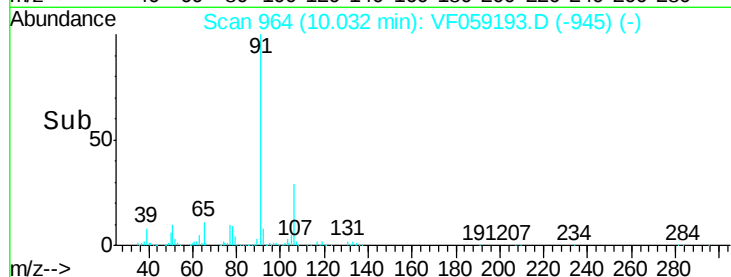
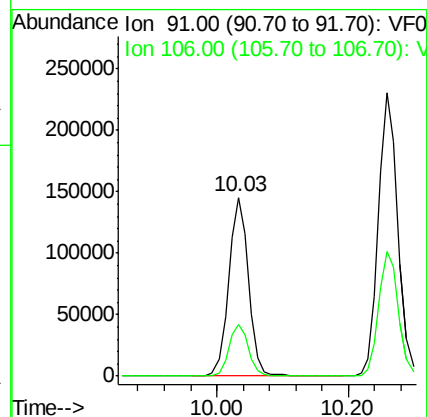
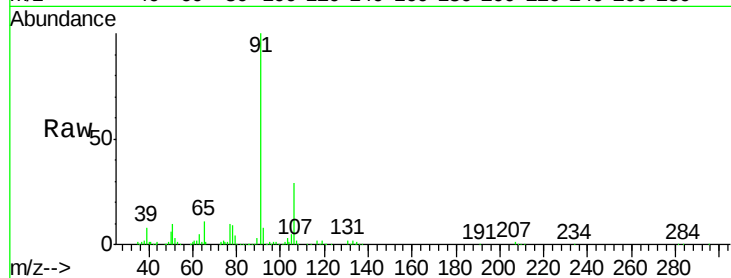
ClientSampleId :

Tot Ion: 91 Resp: 305899

Ion Ratio Lower Upper

91 100

106 28.6 24.2 36.4



#68

m/p-Xylenes

Concen: 39.994 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059193.D

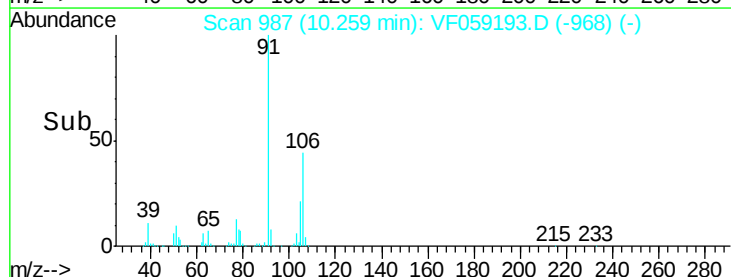
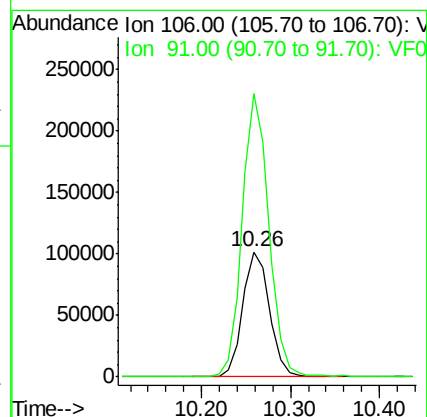
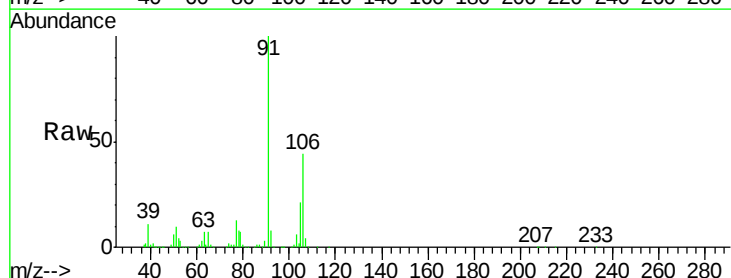
Acq: 19 Jun 2018 17:19

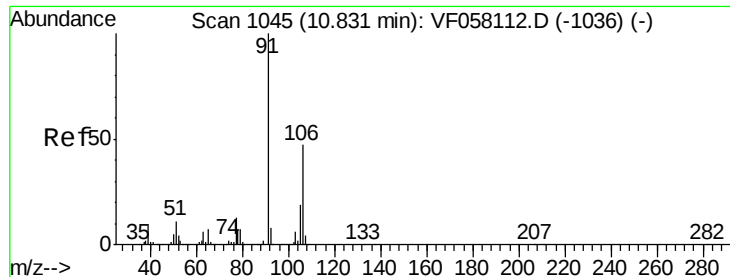
Tgt Ion: 106 Resp: 213879

Ion Ratio Lower Upper

106 100

91 226.0 160.7 241.1

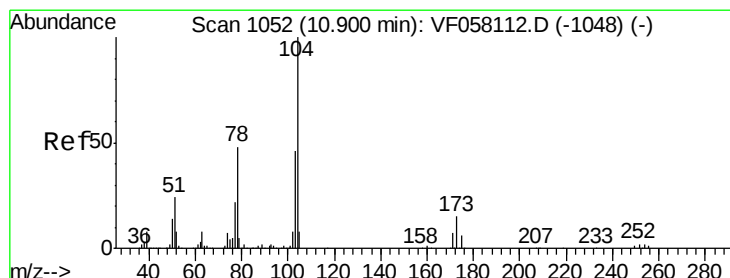
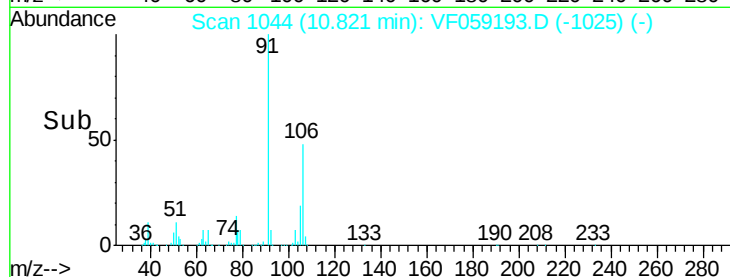
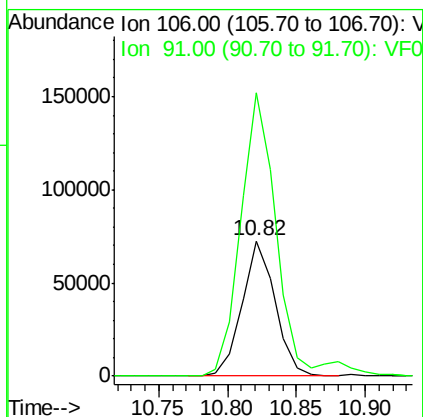
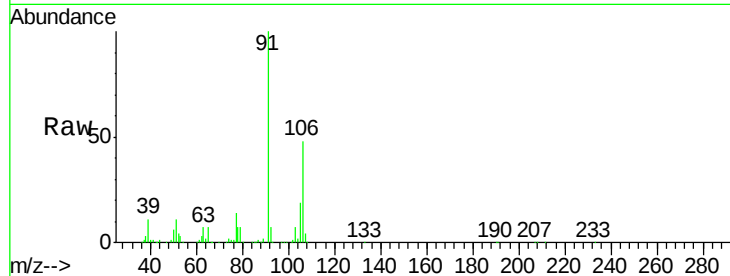




#69
o-Xylene
Concen: 21.184 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

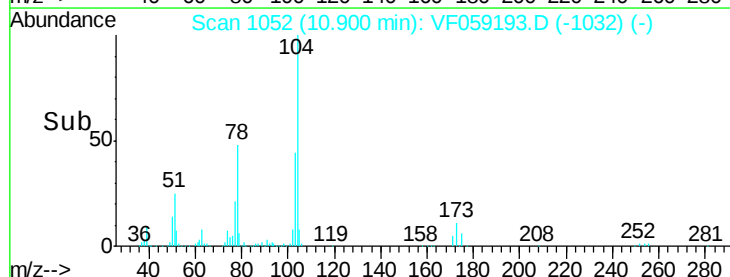
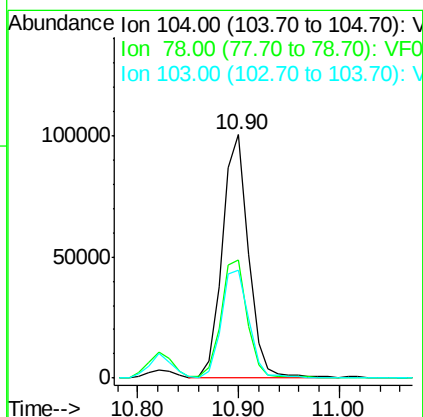
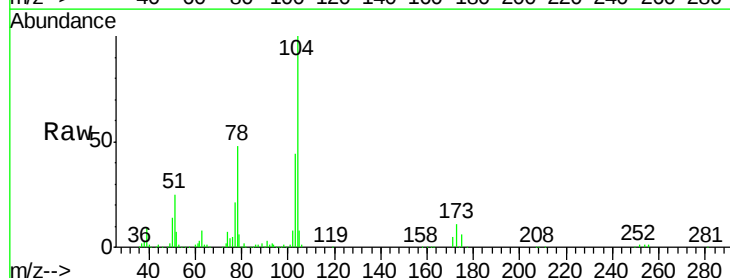
Instrument :
MSVOA_F
ClientSampled :

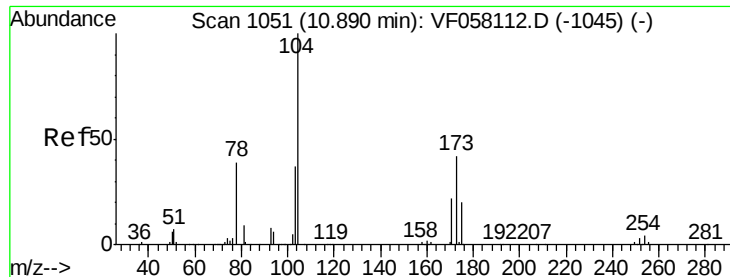
Tot Ion:106 Resp: 122436
Ion Ratio Lower Upper
106 100
91 209.3 107.0 321.0



#70
Styrene
Concen: 20.612 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion:104 Resp: 180251
Ion Ratio Lower Upper
104 100
78 48.4 38.4 57.6
103 44.3 37.0 55.6

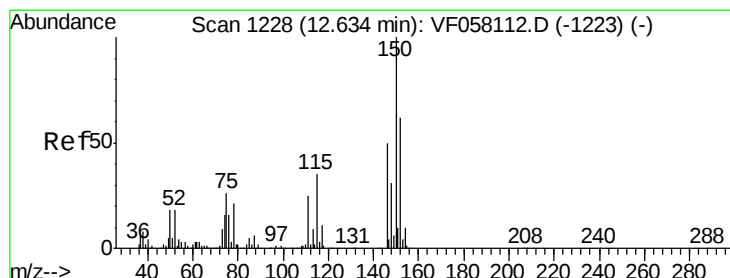
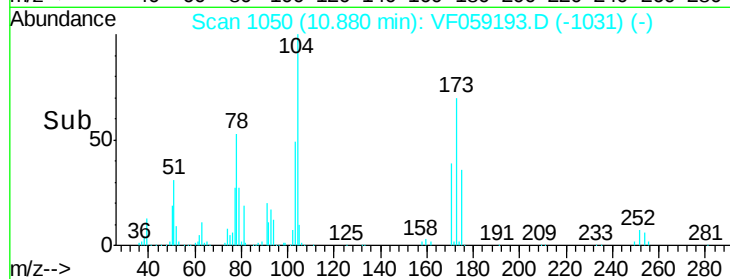
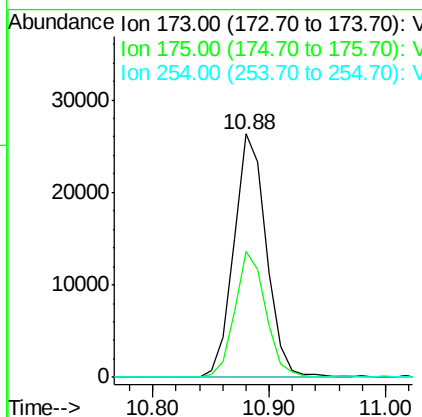
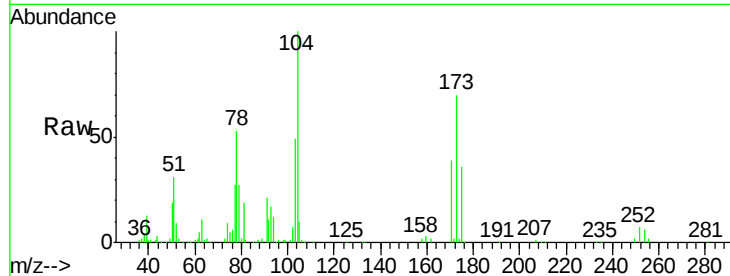




#71
Bromoform
Concen: 22.862 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

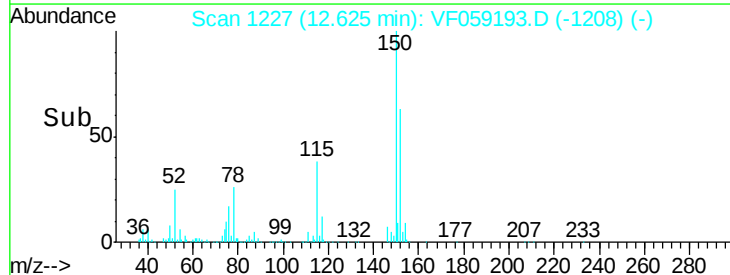
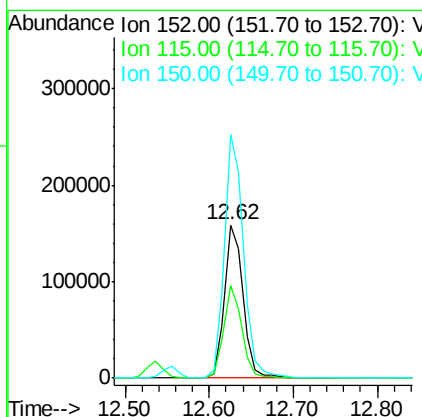
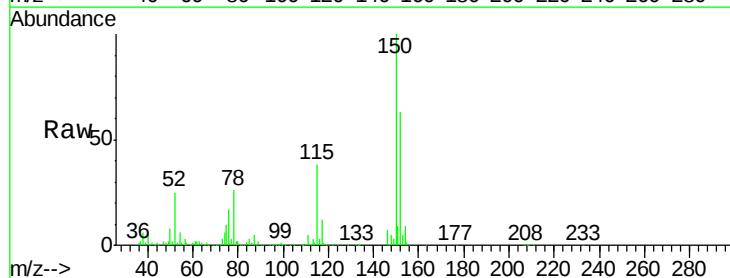
Instrument :
MSVOA_F
ClientSampleId :

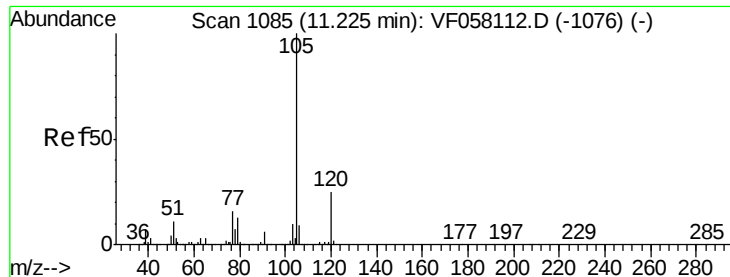
Tot Ion:173 Resp: 50770
Ion Ratio Lower Upper
173 100
175 51.6 24.6 74.0
254 0.0 7.8 11.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion:152 Resp: 244284
Ion Ratio Lower Upper
152 100
115 60.1 28.5 85.5
150 158.8 0.0 323.8





#73

Isopropylbenzene

Concen: 21.100 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

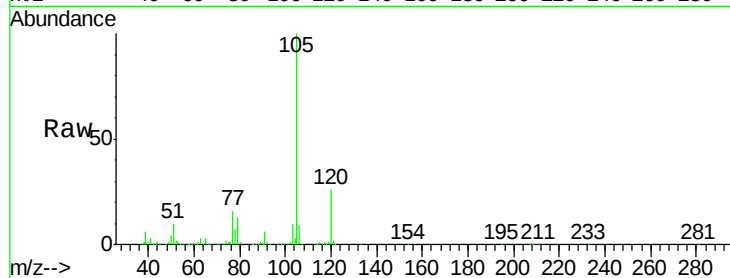
ClientSampleId :

Tot Ion:105 Resp: 356859

Ion Ratio Lower Upper

105 100

120 26.0 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

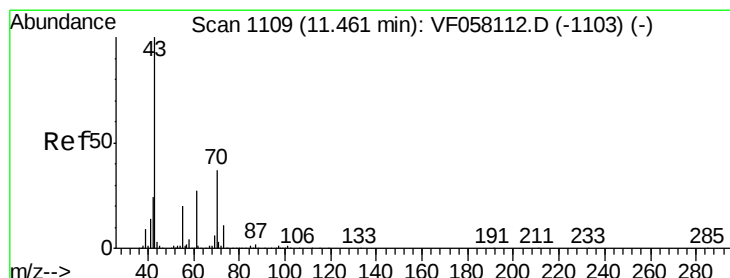
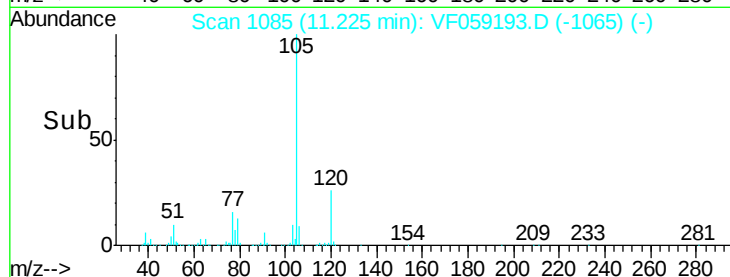
100000

50000

0

11.10 11.20 11.30 11.40

Time-->



#74

N-ethyl acetate

Concen: 20.954 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Tgt Ion: 43 Resp: 126595

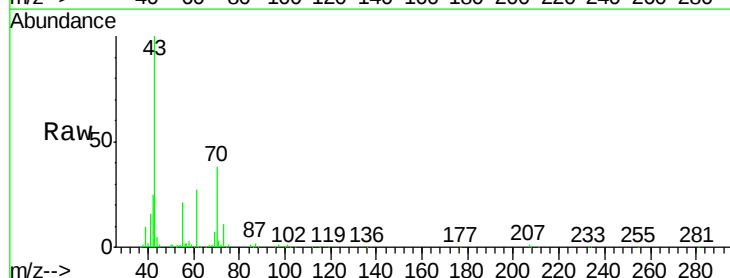
Ion Ratio Lower Upper

43 100

70 38.2 29.2 43.8

55 21.4 15.8 23.6

61 27.4 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

120000

100000

80000

60000

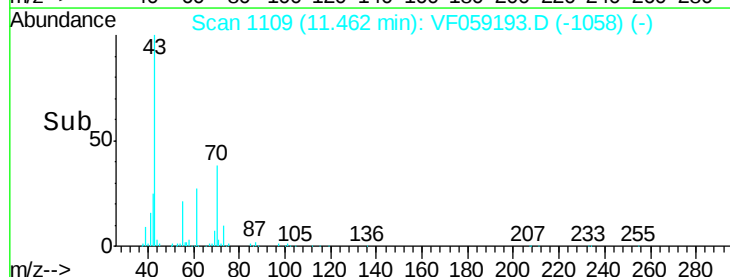
40000

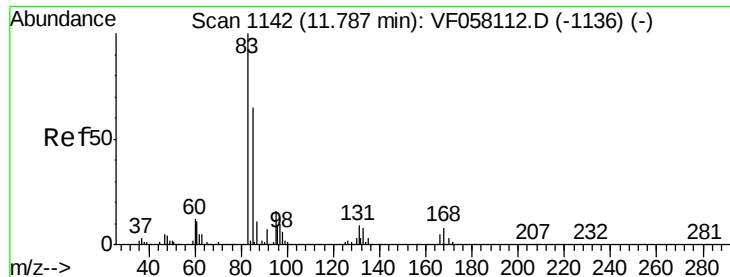
20000

0

11.30 11.40 11.50 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.857 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

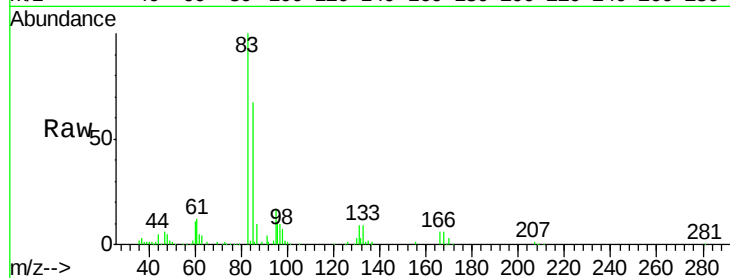
Tot Ion: 83 Resp: 79622

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.7

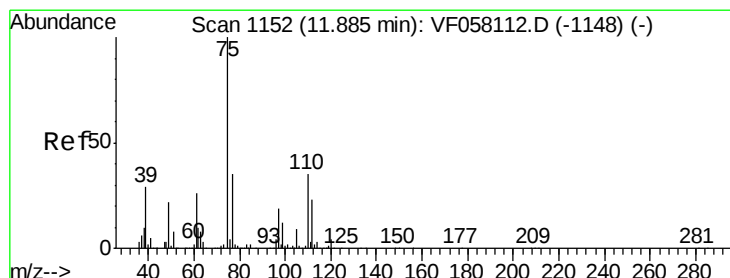
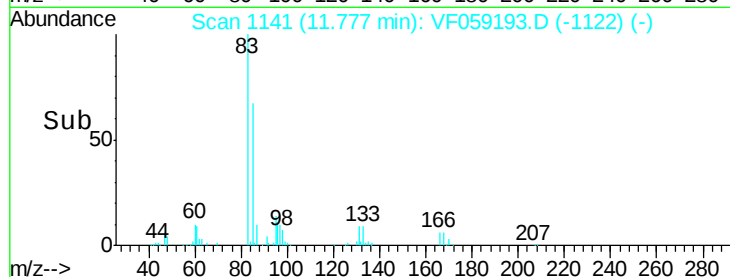
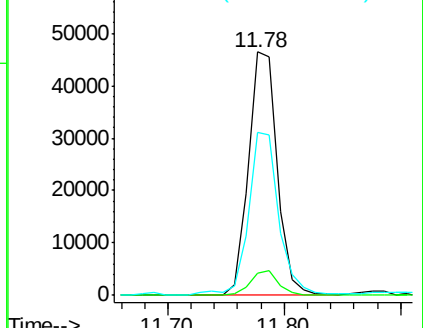
85 67.1 32.8 98.3



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: 20.638 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059193.D

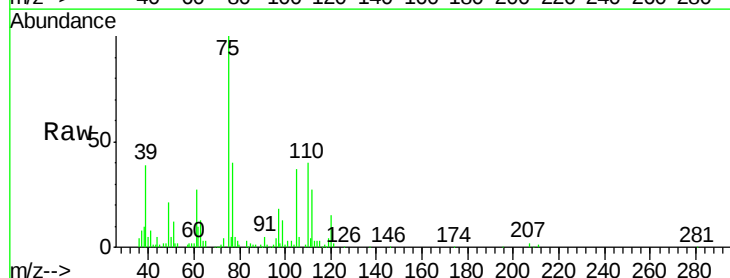
Acq: 19 Jun 2018 17:19

Tgt Ion: 75 Resp: 61116

Ion Ratio Lower Upper

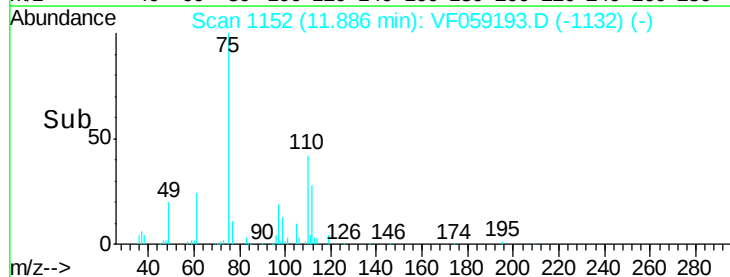
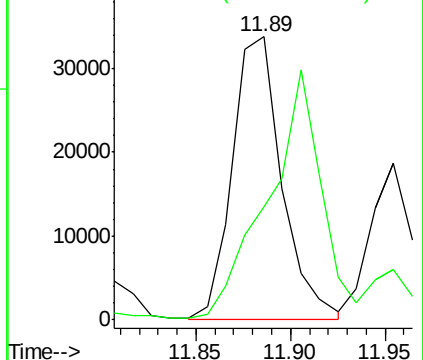
75 100

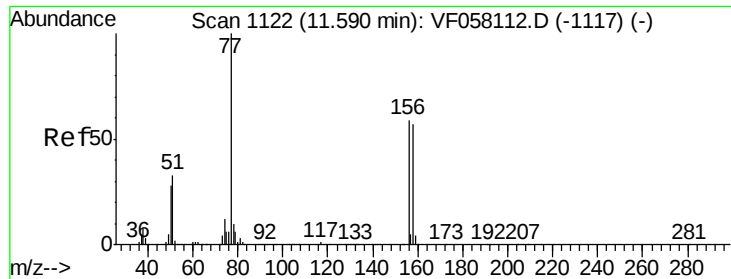
77 39.9 17.5 52.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.381 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

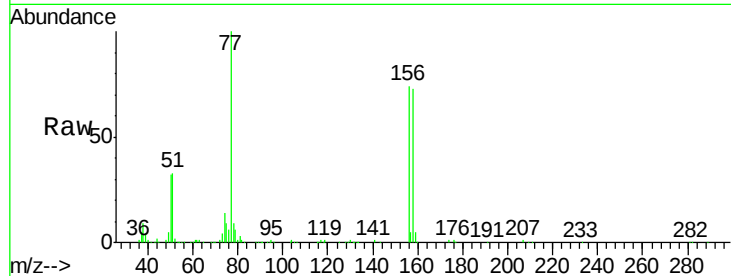
Tot Ion:156 Resp: 91007

Ion Ratio Lower Upper

156 100

77 135.5 84.8 254.4

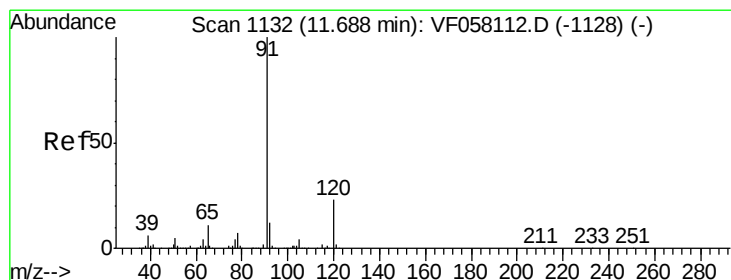
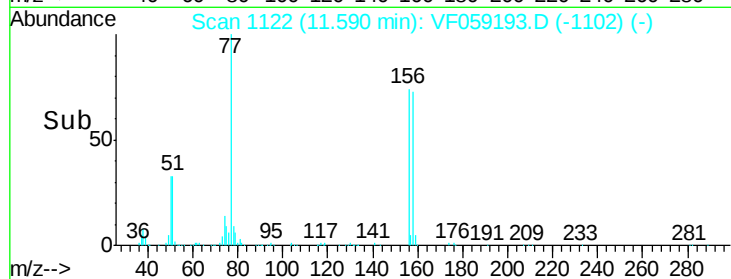
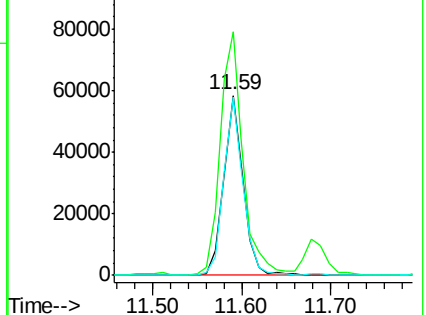
158 99.1 47.9 143.7



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: 20.683 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059193.D

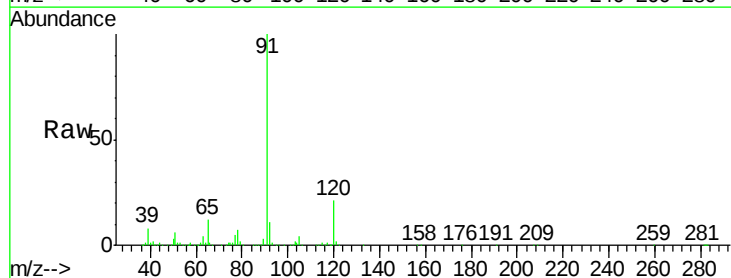
Acq: 19 Jun 2018 17:19

Tgt Ion: 91 Resp: 414041

Ion Ratio Lower Upper

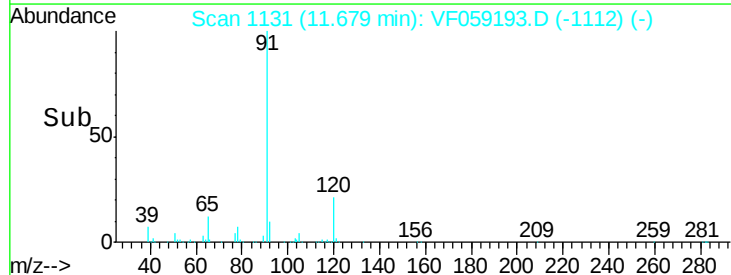
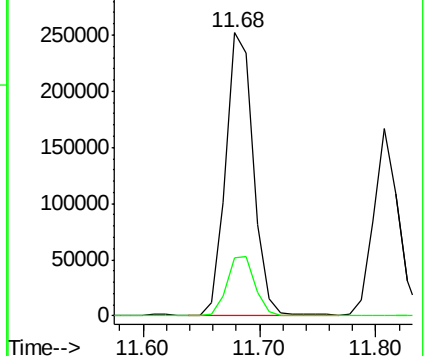
91 100

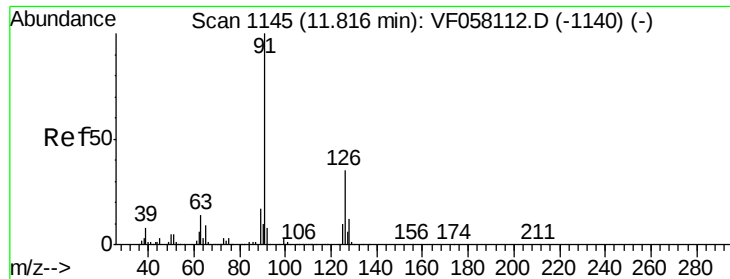
120 20.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

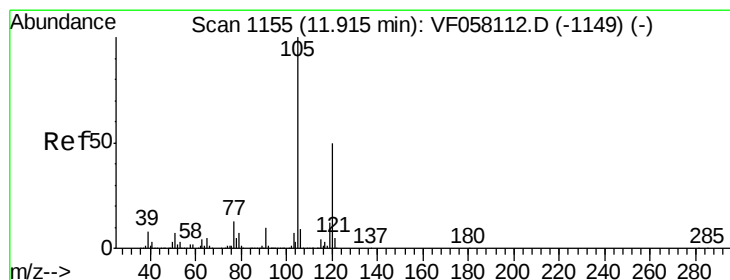
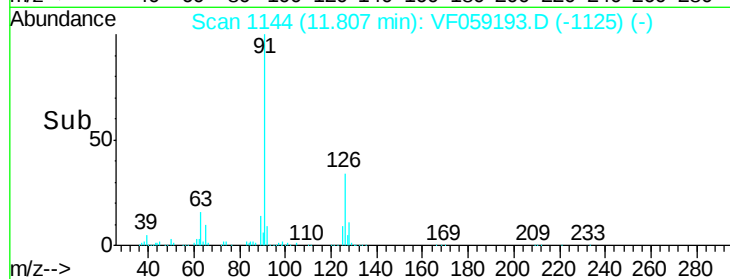
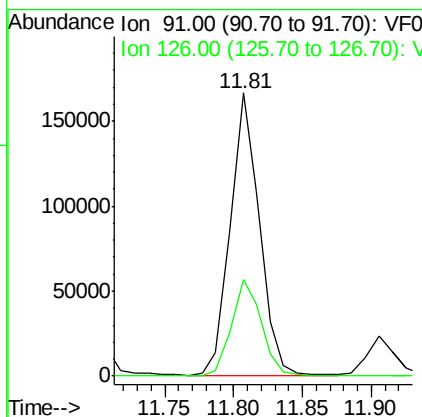
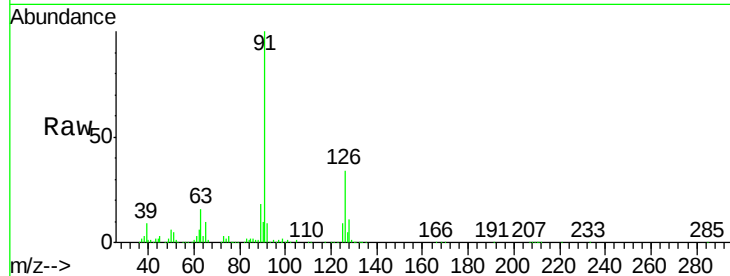




#79
 2-Chlorotoluene
 Concen: 20.547 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

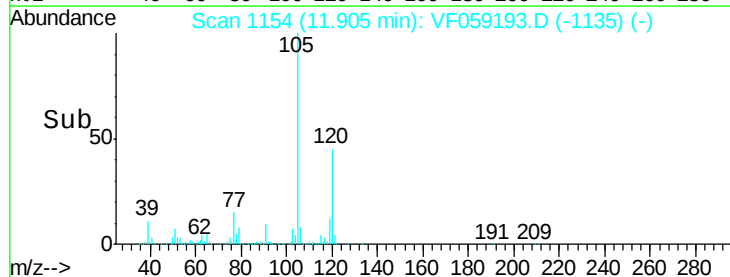
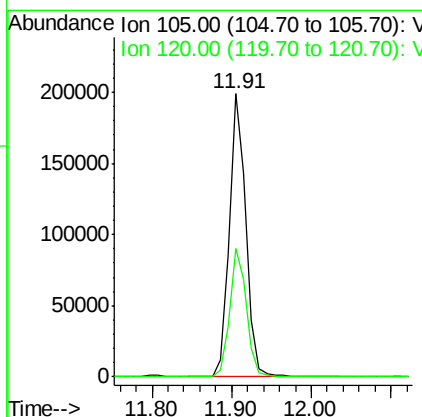
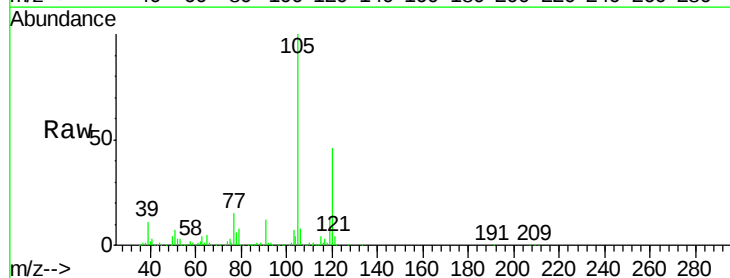
Instrument :
 MSVOA_F
 ClientSampleId :

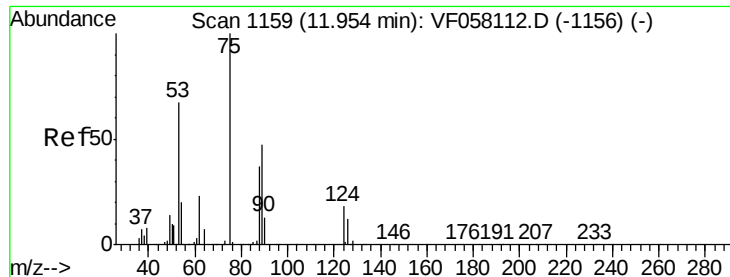
Tot Ion: 91 Resp: 242993
 Ion Ratio Lower Upper
 91 100
 126 34.1 17.6 52.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.791 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

Tgt Ion:105 Resp: 291034
 Ion Ratio Lower Upper
 105 100
 120 45.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.928 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

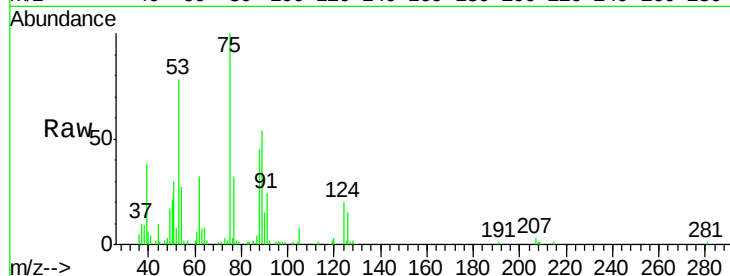
Tot Ion: 75 Resp: 38262

Ion Ratio Lower Upper

75 100

53 78.1 58.7 88.1

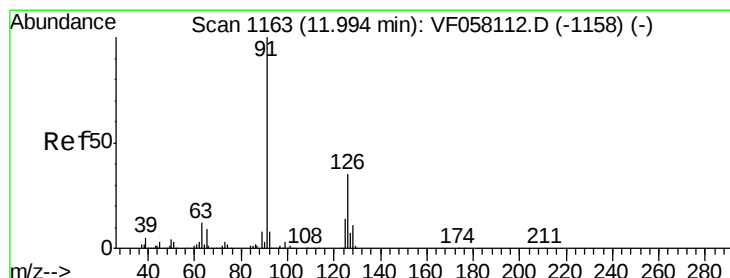
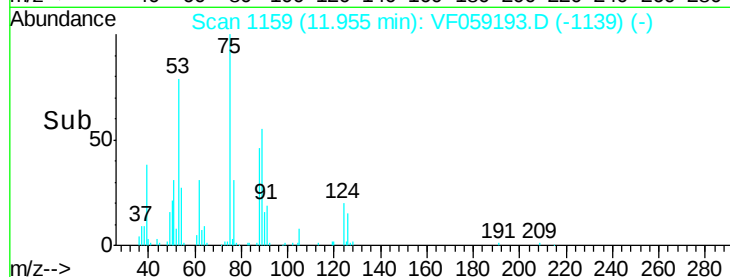
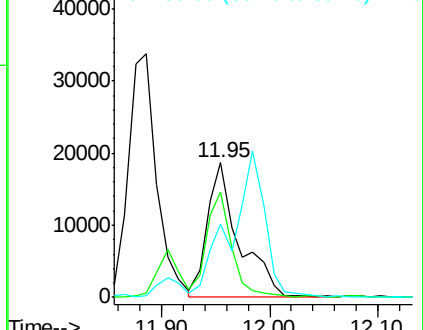
89 54.2 39.8 59.6



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: 21.375 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059193.D

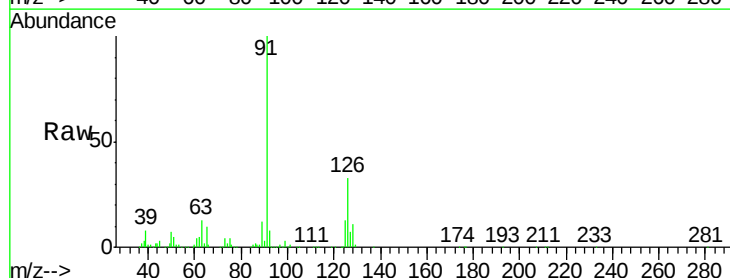
Acq: 19 Jun 2018 17:19

Tgt Ion: 91 Resp: 269119

Ion Ratio Lower Upper

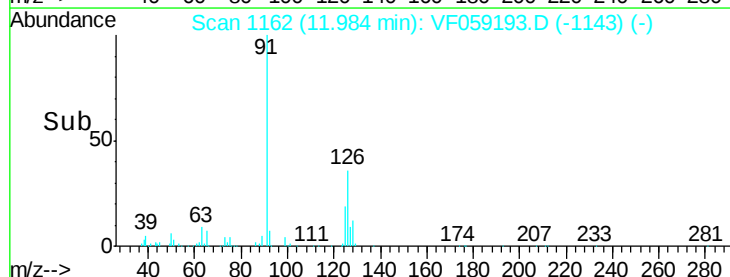
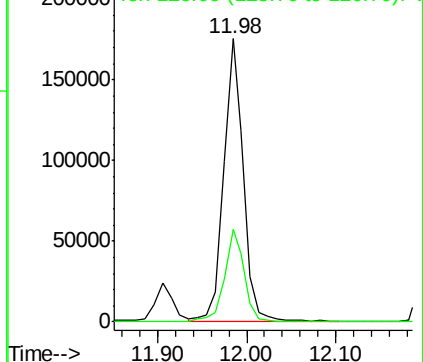
91 100

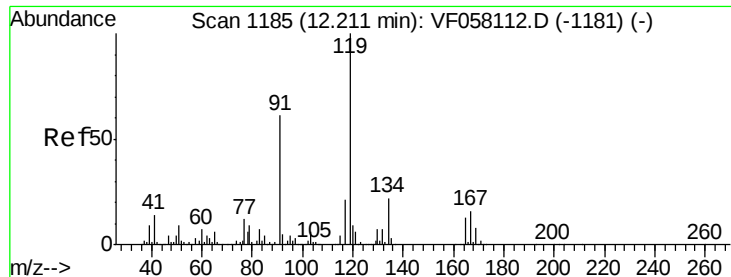
126 32.9 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 22.448 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

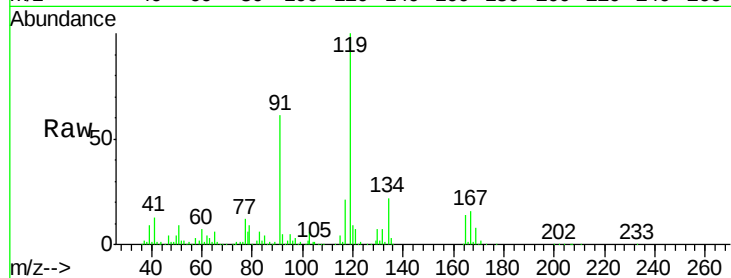
Tot Ion:119 Resp: 312018

Ion Ratio Lower Upper

119 100

91 61.1 30.4 91.3

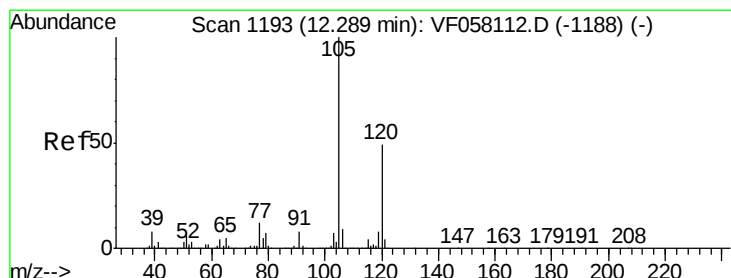
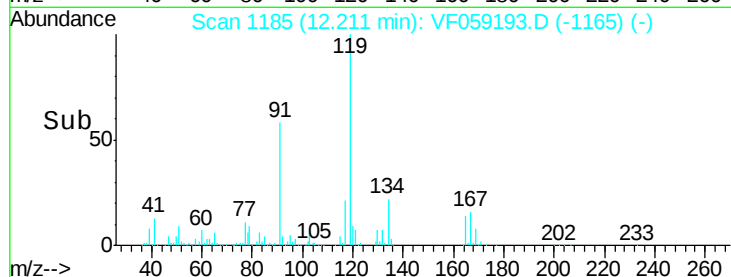
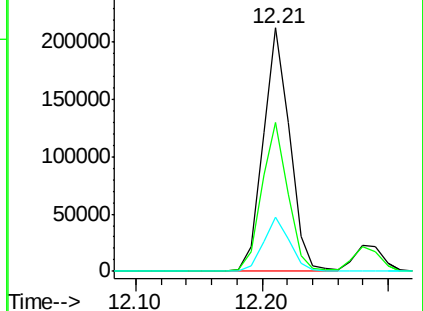
134 22.3 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.051 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF059193.D

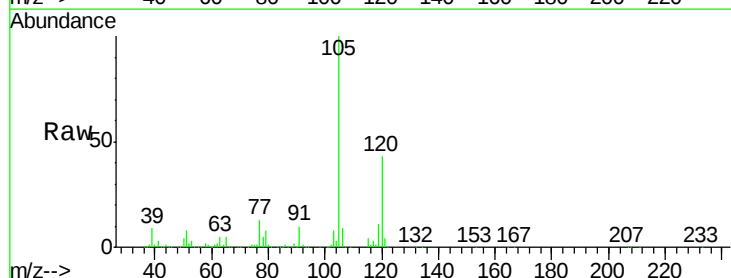
Acq: 19 Jun 2018 17:19

Tgt Ion:105 Resp: 305328

Ion Ratio Lower Upper

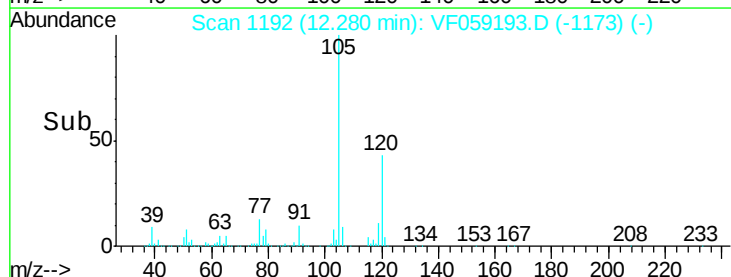
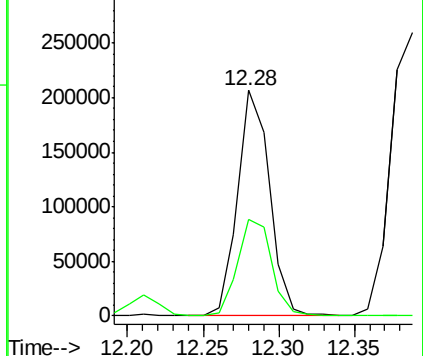
105 100

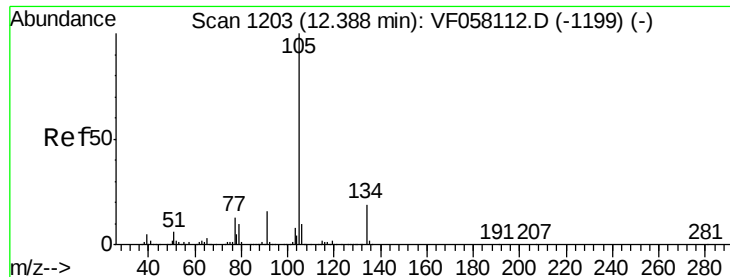
120 42.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.987 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

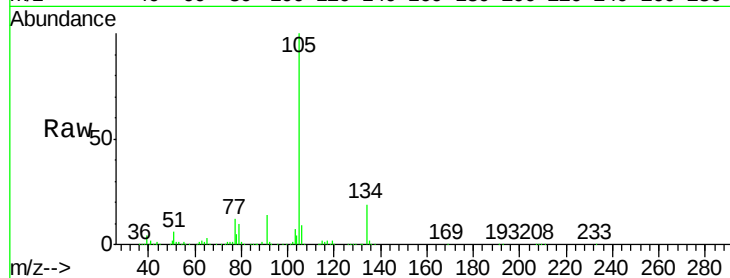
ClientSampled :

Tot Ion:105 Resp: 396378

Ion Ratio Lower Upper

105 100

134 19.5 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39

250000

200000

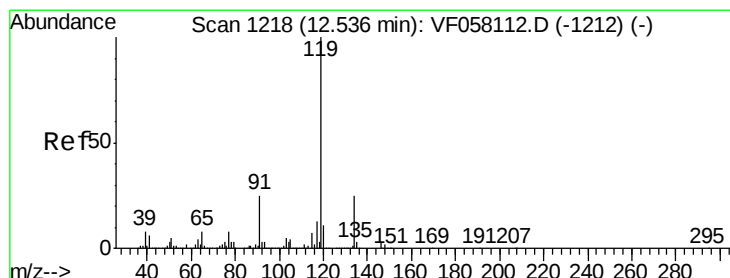
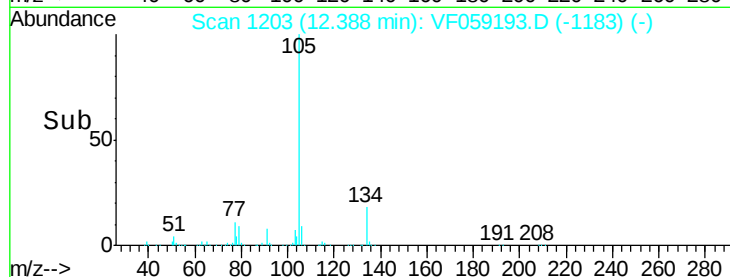
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#86

p-Isopropyltoluene

Concen: 21.983 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

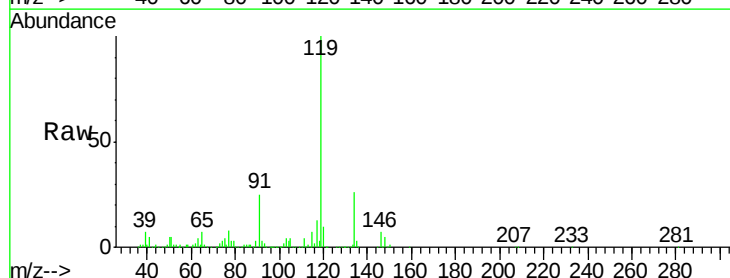
Tgt Ion:119 Resp: 340999

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.0

91 24.7 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

12.54

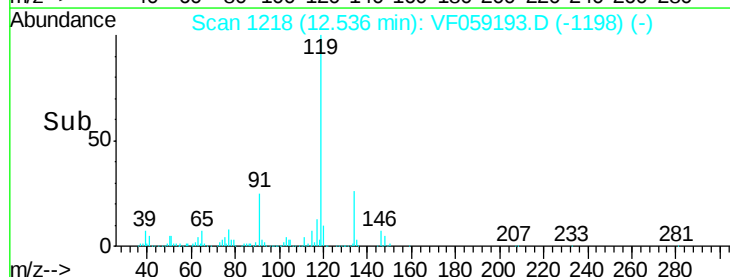
300000

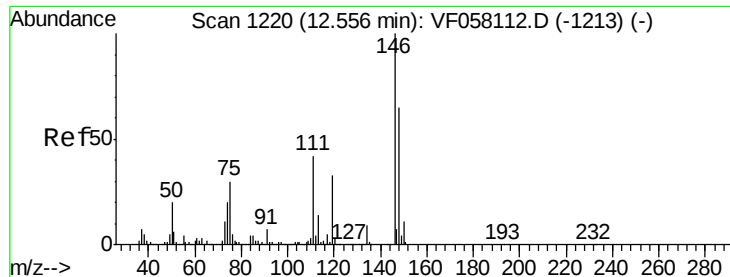
200000

100000

0

Time--> 12.50 12.60

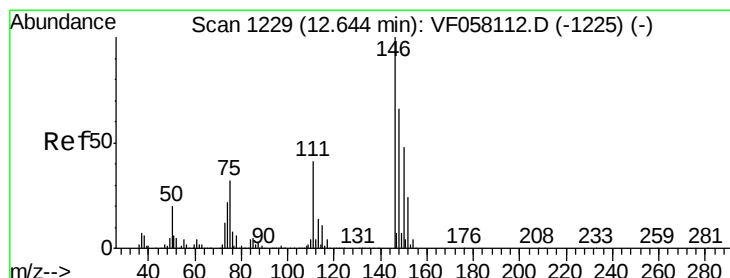
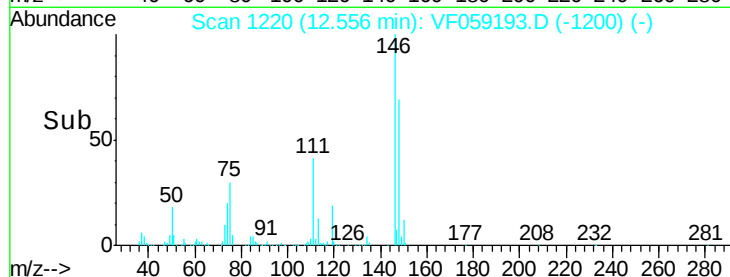
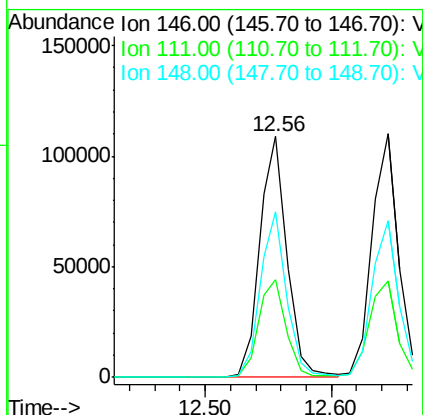
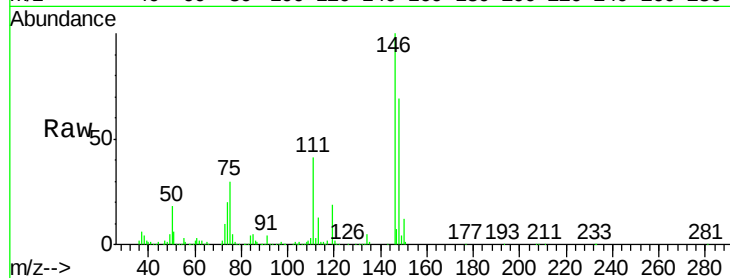




#87
 1,3-Dichlorobenzene
 Concen: 20.739 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

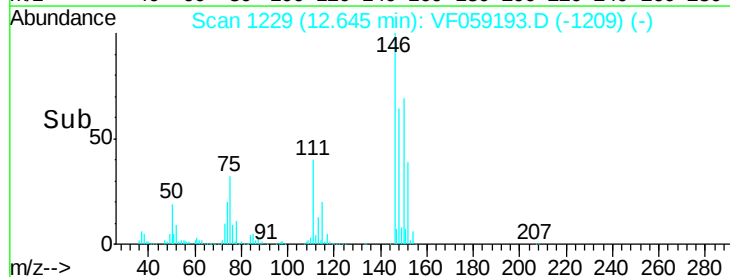
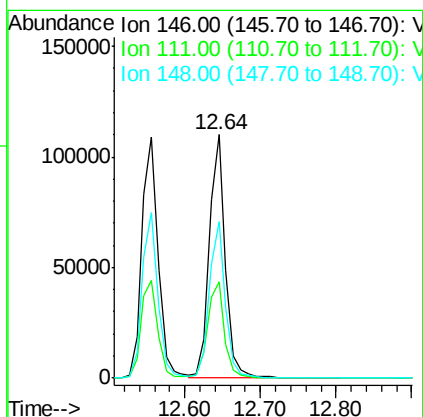
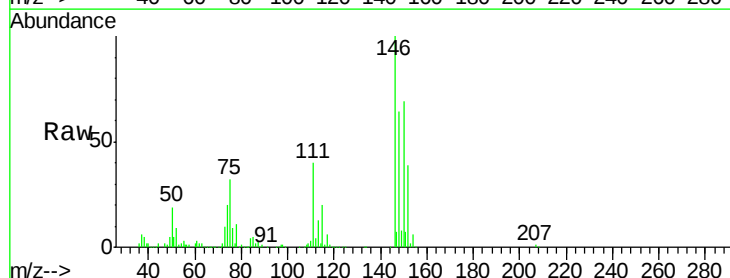
Instrument :
 MSVOA_F
 ClientSampleId :

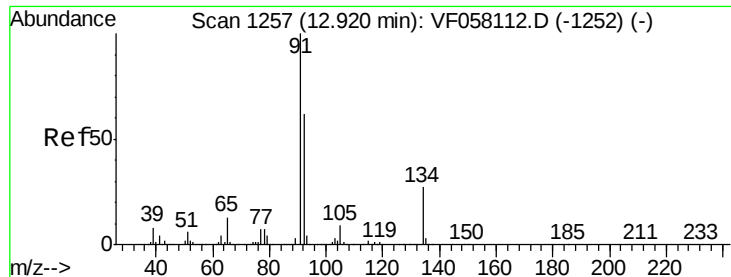
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.8	62.5
148	68.7	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 21.829 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.4	61.2
148	64.3	33.0	99.0

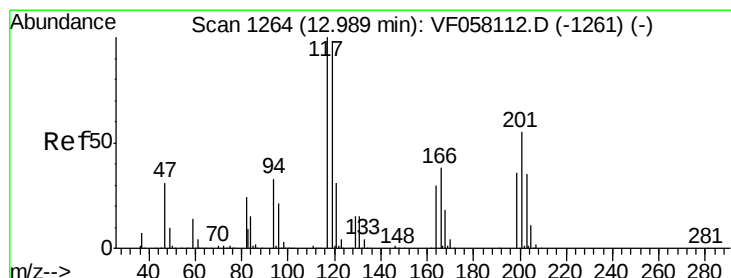
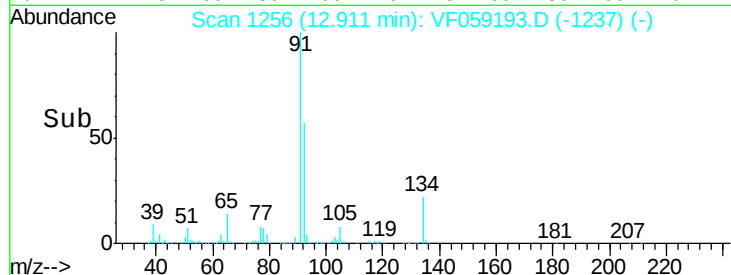
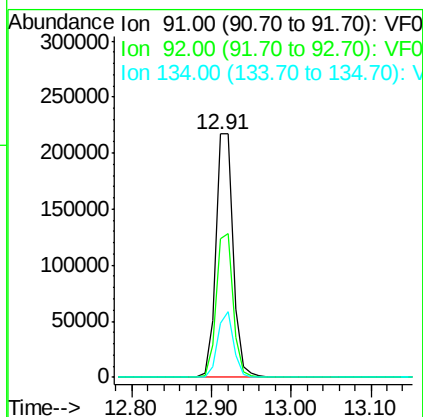
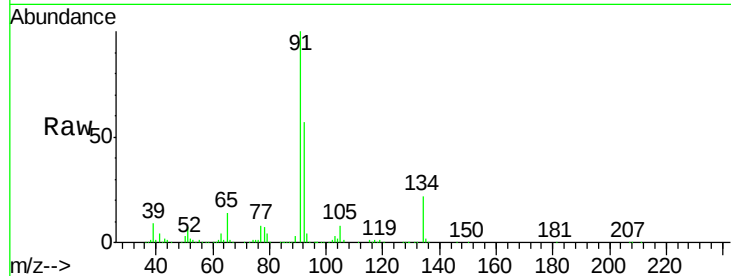




#89
n-Butylbenzene
Concen: 18.854 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

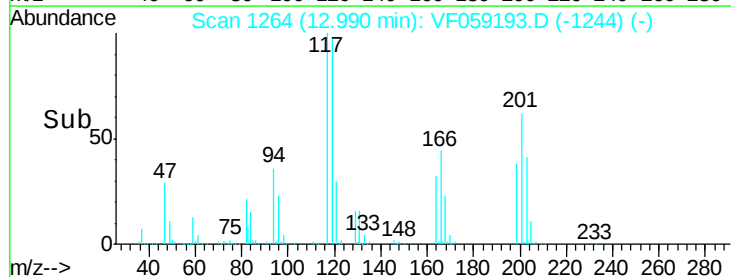
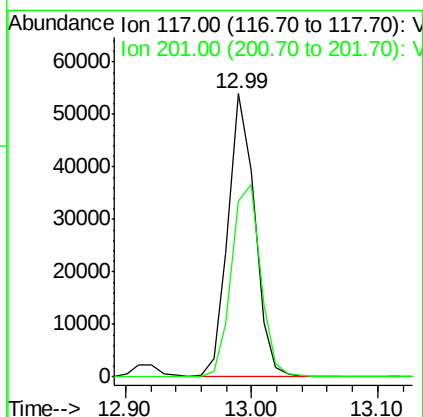
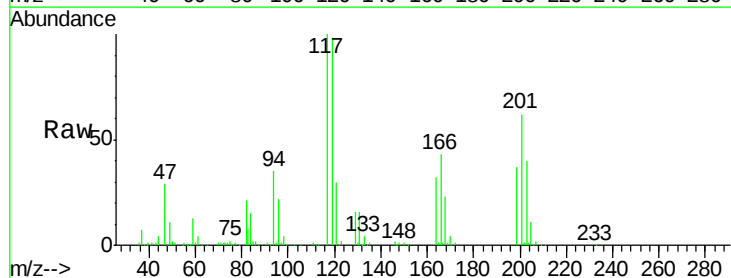
Instrument :
MSVOA_F
ClientSampleId :

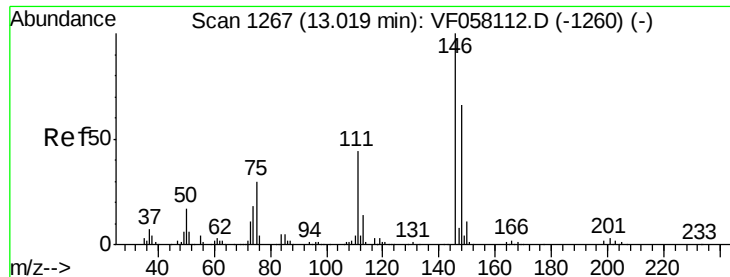
Tot Ion: 91 Resp: 334616
Ion Ratio Lower Upper
91 100
92 57.2 31.1 93.5
134 22.3 13.6 40.8



#90
Hexachloroethane
Concen: 20.640 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion: 117 Resp: 78848
Ion Ratio Lower Upper
117 100
201 62.2 27.5 82.4





#91

1,2-Dichlorobenzene

Concen: 21.882 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

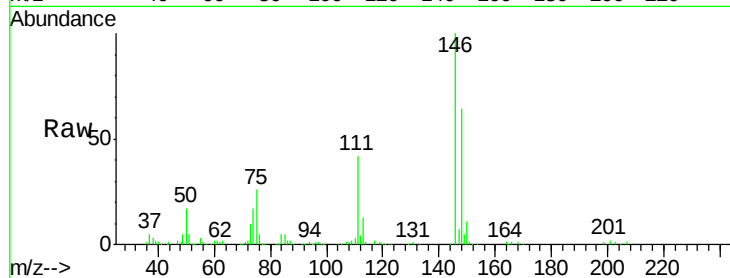
Tot Ion:146 Resp: 165658

Ion Ratio Lower Upper

146 100

111 42.0 22.0 66.0

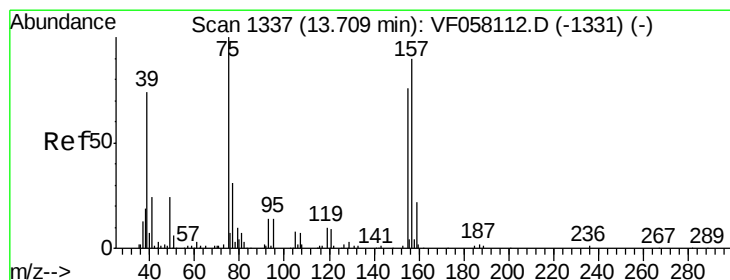
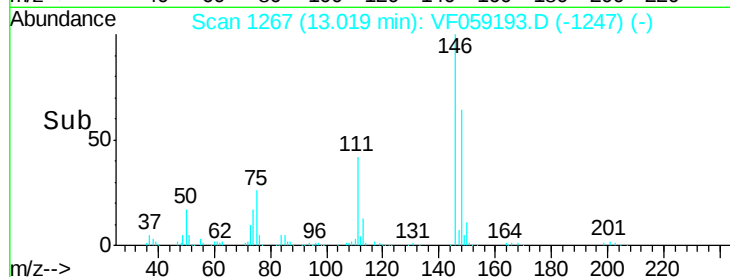
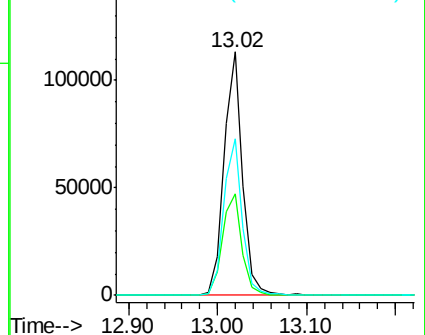
148 64.2 33.1 99.3



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: 21.729 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

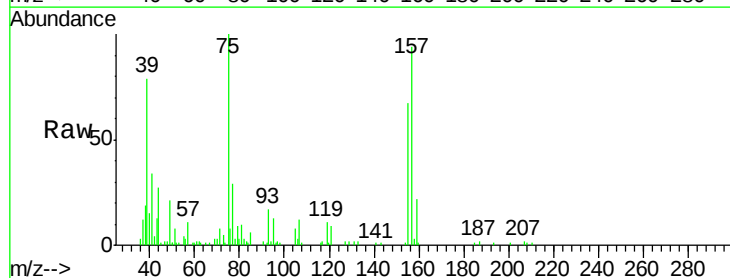
Tgt Ion: 75 Resp: 17090

Ion Ratio Lower Upper

75 100

155 66.7 38.0 114.0

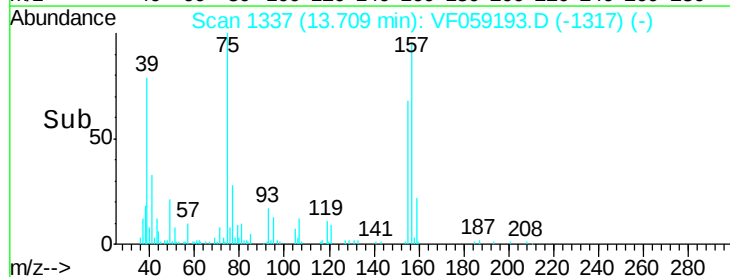
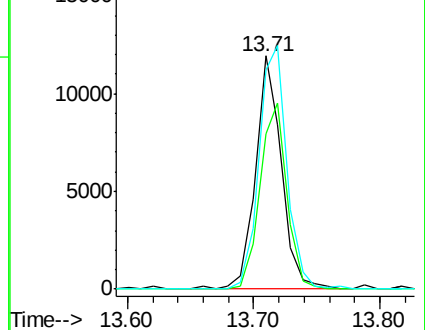
157 94.3 45.1 135.5

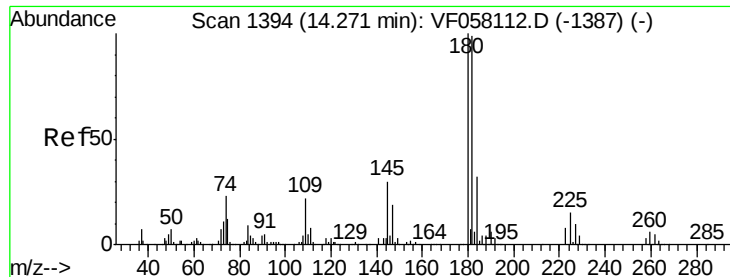


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

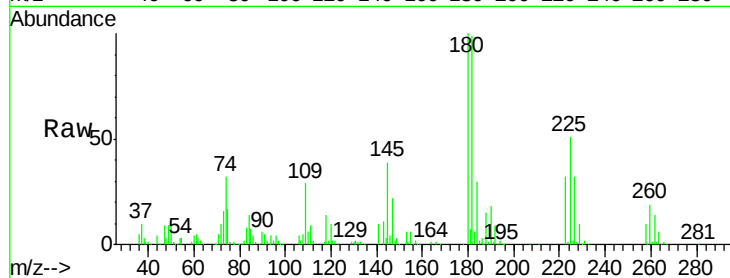




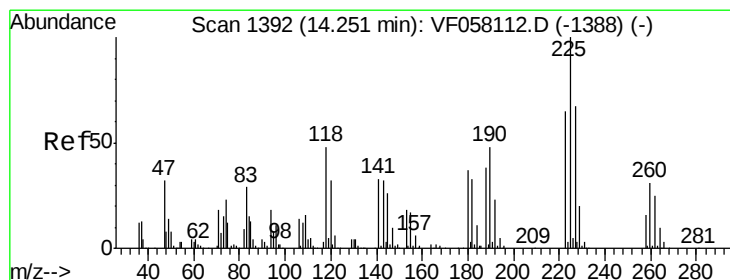
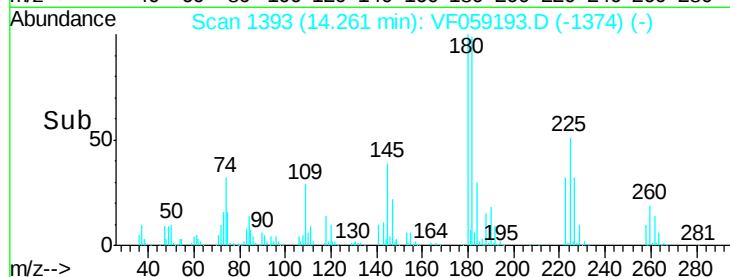
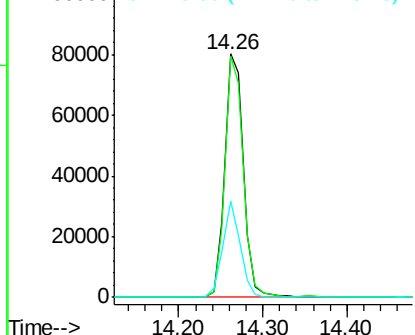
#93
 1,2,4-Trichlorobenzene
 Concen: 23.289 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.8	49.3	147.9
145	39.4	14.9	44.9

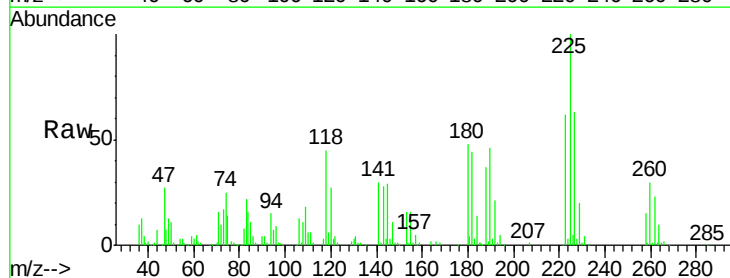


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

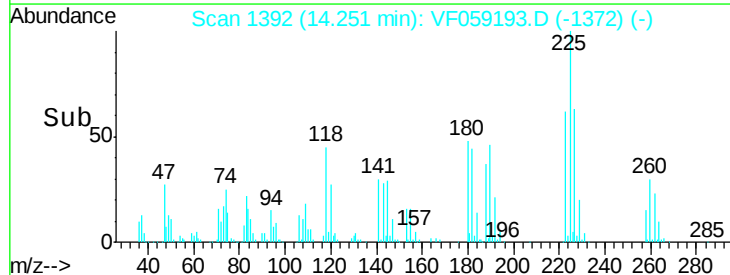
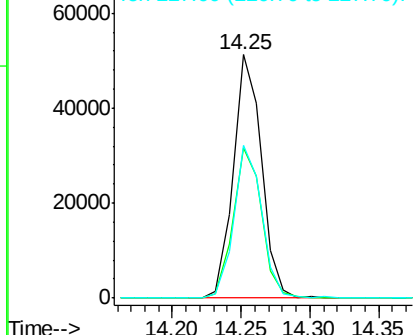


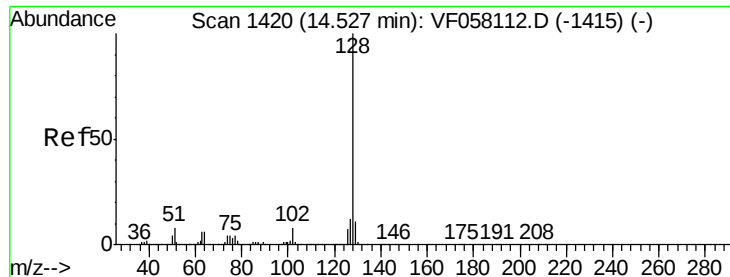
#94
 Hexachlorobutadiene
 Concen: 23.806 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.8	98.3
227	62.7	33.3	99.9



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





#95

Naphthalene

Concen: 21.578 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

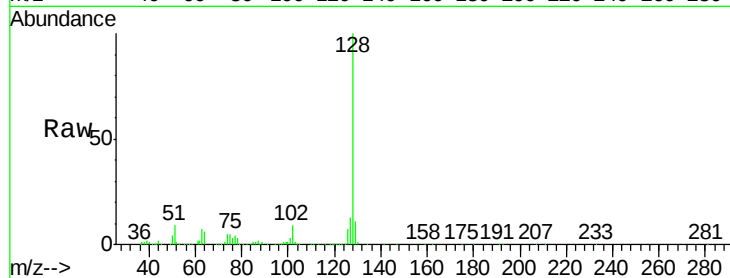
Tot Ion:128 Resp: 244057

Ion Ratio Lower Upper

128 100

127 12.7 9.9 14.9

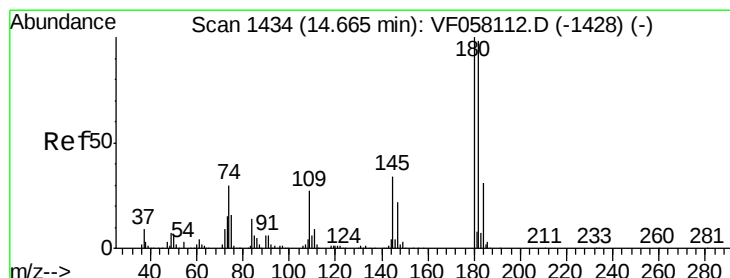
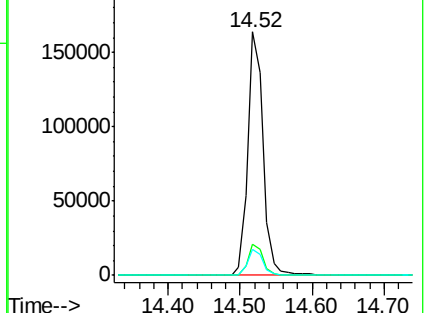
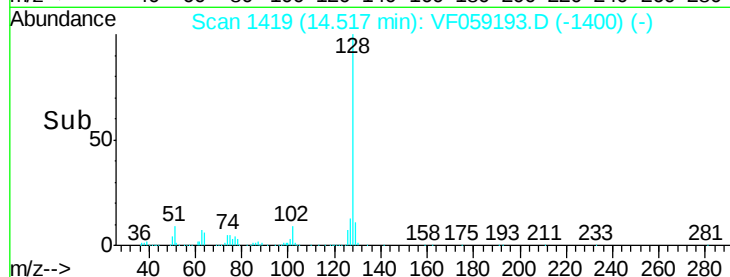
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.979 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

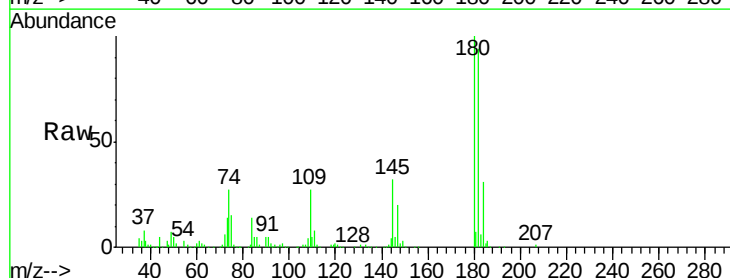
Tgt Ion:180 Resp: 112444

Ion Ratio Lower Upper

180 100

182 94.1 48.9 146.6

145 32.4 17.3 51.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

