

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059194.D
 Acq On : 19 Jun 2018 17:47
 Operator : VA/AP
 Sample : VF0619SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 03:03:54 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	260991	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	406305	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	403539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	240459	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	177122	55.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.92%	
35) Dibromofluoromethane	4.29	113	158101	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
50) Toluene-d8	7.70	98	412351	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.51	95	214111	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	59555	20.161	ug/l	94
3) Chloromethane	1.09	50	40313	17.618	ug/l	97
4) Vinyl Chloride	1.15	62	36513	17.687	ug/l	89
5) Bromomethane	1.33	94	21860	18.174	ug/l	89
6) Chloroethane	1.42	64	16986	19.831	ug/l #	89
7) Trichlorofluoromethane	1.48	101	18431	5.744	ug/l	93
8) Diethyl Ether	1.70	74	17417	21.574	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	1.89	101	39094	19.116	ug/l	95
10) Methyl Iodide	1.96	142	71471	19.973	ug/l	97
11) Tert butyl alcohol	2.68	59	21154	104.305	ug/l	97
12) 1,1-Dichloroethene	1.86	96	35908	20.880	ug/l	96
13) Acrolein	2.08	56	14090	80.266	ug/l	98
14) Allyl chloride	2.18	41	68923	20.420	ug/l	94
15) Acrylonitrile	3.08	53	47378	117.623	ug/l	97
16) Acetone	2.34	43	94022	124.410	ug/l #	92
17) Carbon Disulfide	1.88	76	79943	16.557	ug/l #	93
18) Methyl Acetate	2.45	43	31943	24.587	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	126278	23.654	ug/l	97
20) Methylene Chloride	2.27	84	17733	9.800	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	37350	19.804	ug/l	90
22) Diisopropyl ether	2.92	45	145072	21.864	ug/l	99
23) Vinyl Acetate	3.32	43	493406	112.785	ug/l	99
24) 1,1-Dichloroethane	3.00	63	86310	21.457	ug/l	98
25) 2-Butanone	4.51	43	120486	102.834	ug/l #	90
26) 2,2-Dichloropropane	3.76	77	62932	21.565	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	60428	20.818	ug/l	94
28) Bromochloromethane	3.88	49	52555	29.027	ug/l #	53
29) Tetrahydrofuran	4.25	42	53863	104.332	ug/l	97
30) Chloroform	4.02	83	129839	22.564	ug/l	96
31) Cyclohexane	3.88	56	69078	19.658	ug/l	86
32) 1,1,1-Trichloroethane	4.27	97	92046	21.426	ug/l	93
36) 1,1-Dichloropropene	4.45	75	83248	21.138	ug/l	96
37) Ethyl Acetate	4.29	43	60836	25.000	ug/l #	69
38) Carbon Tetrachloride	4.16	117	109756	25.715	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059194.D
 Acq On : 19 Jun 2018 17:47
 Operator : VA/AP
 Sample : VF0619SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 03:03:54 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	77703	19.356	ug/l	98
40) Benzene	4.80	78	180370	19.732	ug/l	98
41) Methacrylonitrile	4.91	41	25732	21.524	ug/l	93
42) 1,2-Dichloroethane	5.11	62	96987	23.656	ug/l	96
43) Isopropyl Acetate	7.11	43	70380	21.596	ug/l #	94
44) Trichloroethene	5.66	130	64166	22.465	ug/l	93
45) 1,2-Dichloropropane	6.40	63	54310	20.605	ug/l	96
46) Dibromomethane	6.25	93	44036	22.206	ug/l	94
47) Bromodichloromethane	6.54	83	103630	22.970	ug/l	96
48) Methyl methacrylate	6.87	41	45684	22.739	ug/l	92
49) 1,4-Dioxane	6.86	88	4794	312.920	ug/l	96
51) 4-Methyl-2-Pentanone	8.40	43	248892	111.427	ug/l	94
52) Toluene	7.77	92	129749	19.706	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	99980	22.883	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	106717	21.263	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	51959	21.777	ug/l	92
56) Ethyl methacrylate	8.76	69	62631	20.825	ug/l	95
57) 1,3-Dichloropropane	8.99	76	88239	21.620	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	22176	103.123	ug/l	100
59) 2-Hexanone	9.62	43	204928	115.986	ug/l	90
60) Dibromochloromethane	8.85	129	79738	23.257	ug/l	100
61) 1,2-Dibromoethane	9.13	107	61258	22.096	ug/l	97
64) Tetrachloroethene	8.29	164	61928	20.923	ug/l	96
65) Chlorobenzene	9.94	112	174992	21.899	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	73538	23.134	ug/l	93
67) Ethyl Benzene	10.04	91	297944	21.458	ug/l	99
68) m/p-Xylenes	10.26	106	214578	41.277	ug/l	90
69) o-Xylene	10.83	106	117450	20.905	ug/l	99
70) Styrene	10.89	104	183266	21.559	ug/l	99
71) Bromoform	10.88	173	52633	24.382	ug/l #	90
73) Isopropylbenzene	11.22	105	357002	21.444	ug/l	94
74) N-amyl acetate	11.46	43	123648	20.792	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	82951	21.016	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	61074	20.952	ug/l	100
77) Bromobenzene	11.59	156	87218	20.816	ug/l	81
78) n-propylbenzene	11.68	91	405768	20.592	ug/l	96
79) 2-Chlorotoluene	11.81	91	247023	21.220	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	303356	22.016	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	37504	19.844	ug/l #	88
82) 4-Chlorotoluene	11.99	91	262934	21.216	ug/l	99
83) tert-Butylbenzene	12.22	119	297217	21.724	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	305513	21.399	ug/l	96
85) sec-Butylbenzene	12.38	105	392810	21.129	ug/l	98
86) p-Isopropyltoluene	12.54	119	335153	21.949	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	169028	21.851	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	163087	21.878	ug/l	97
89) n-Butylbenzene	12.92	91	338358	19.418	ug/l	93
90) Hexachloroethane	12.99	117	79258	21.078	ug/l	76
91) 1,2-Dichlorobenzene	13.01	146	163402	21.927	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	20154	26.032	ug/l	79

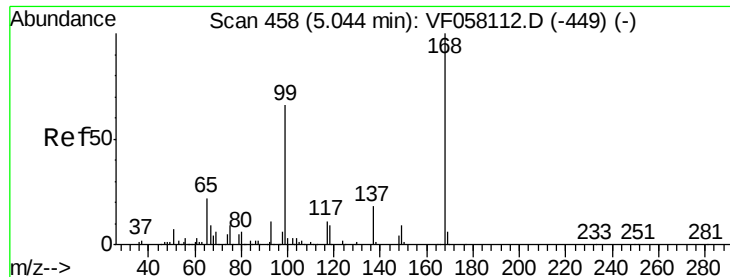
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
Data File : VF059194.D
Acq On : 19 Jun 2018 17:47
Operator : VA/AP
Sample : VF0619SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 20 03:03:54 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	14.27	180	122530	23.508	ug/l	96
94) Hexachlorobutadiene	14.26	225	70589	23.403	ug/l	98
95) Naphthalene	14.52	128	244249	21.939	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	112835	23.426	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

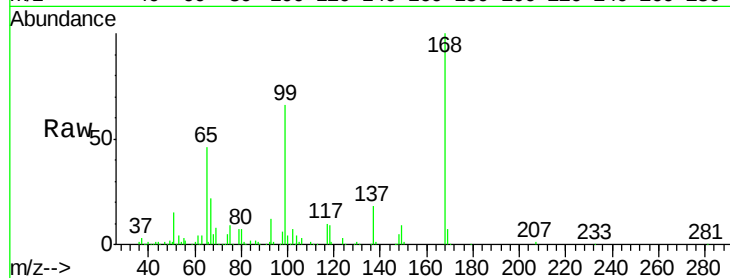
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 260991

Ion Ratio Lower Upper

168 100

99 65.7 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

80000

60000

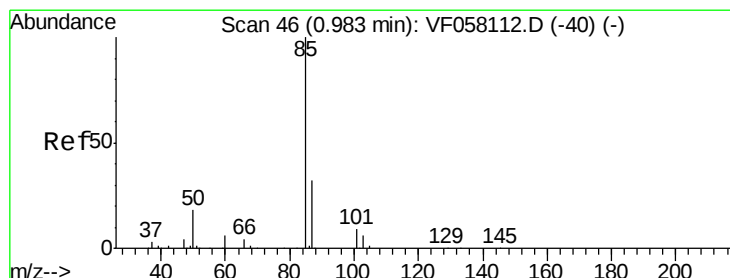
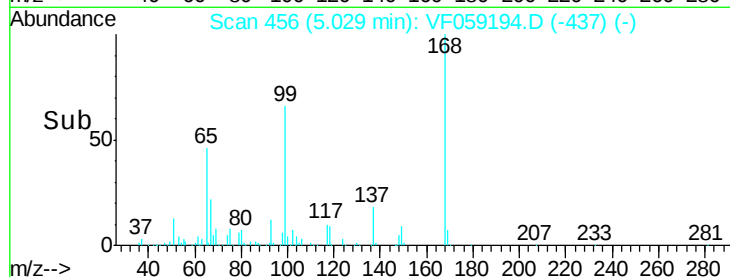
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.161 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059194.D

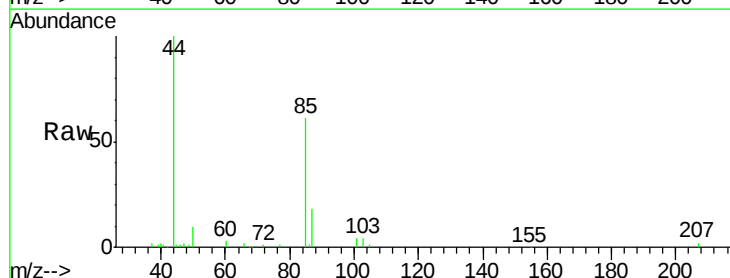
Acq: 19 Jun 2018 17:47

Tgt Ion: 85 Resp: 59555

Ion Ratio Lower Upper

85 100

87 28.8 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

20000

15000

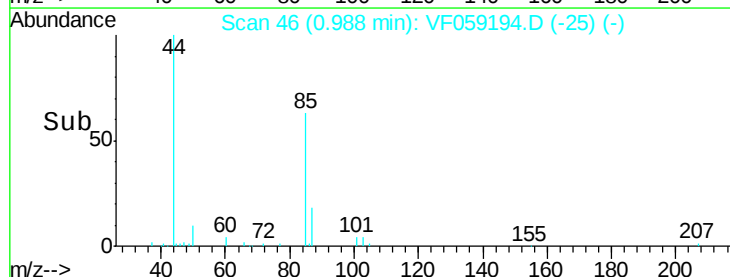
10000

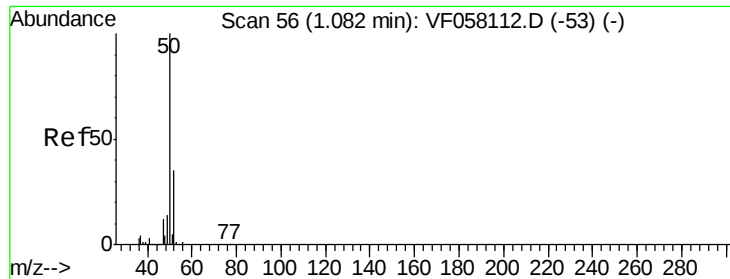
5000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 17.618 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

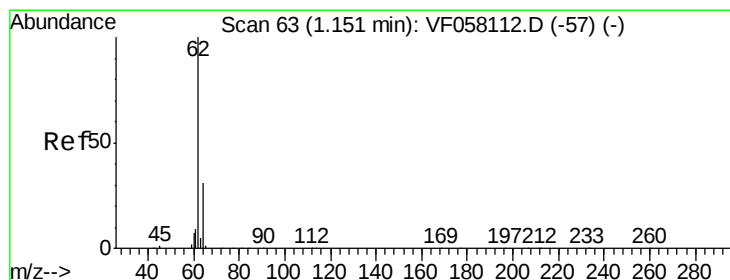
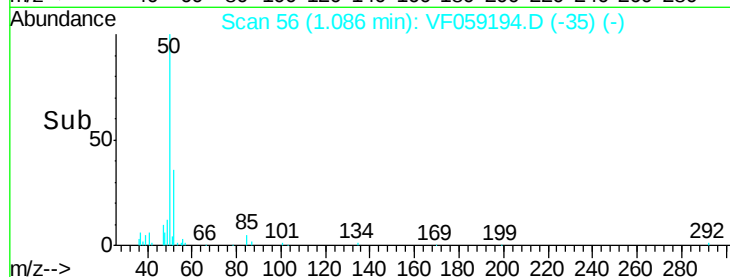
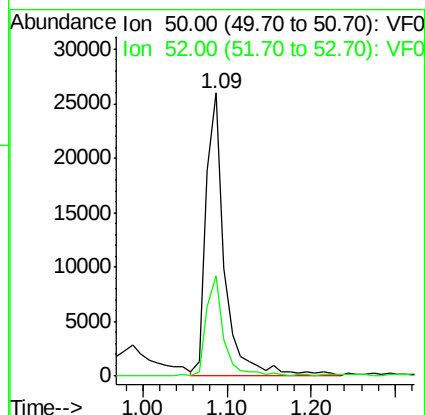
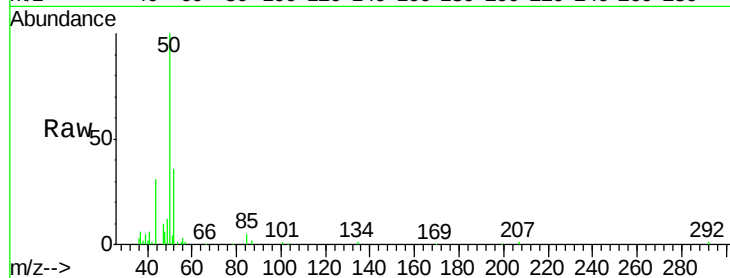
ClientSampleId :

Tot Ion: 50 Resp: 40313

Ion Ratio Lower Upper

50 100

52 35.6 27.3 40.9



#4

Vinyl Chloride

Concen: 17.687 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059194.D

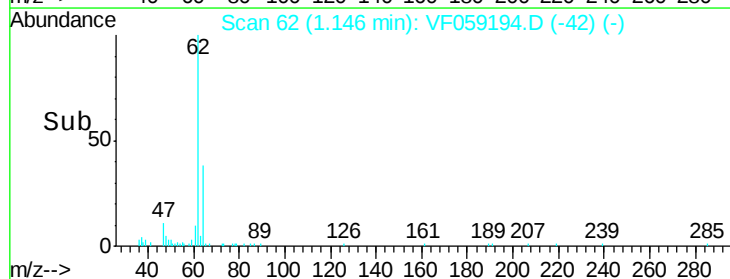
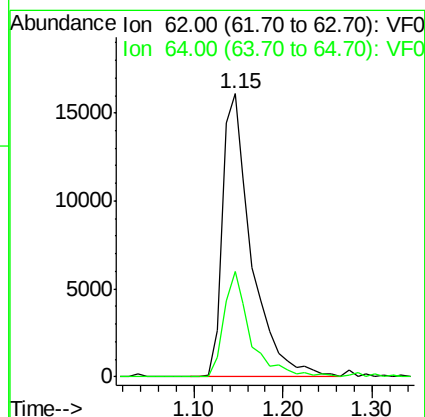
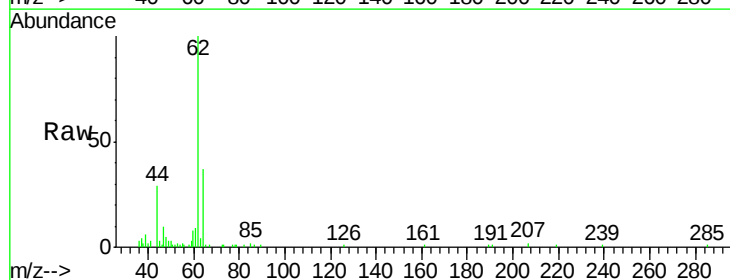
Acq: 19 Jun 2018 17:47

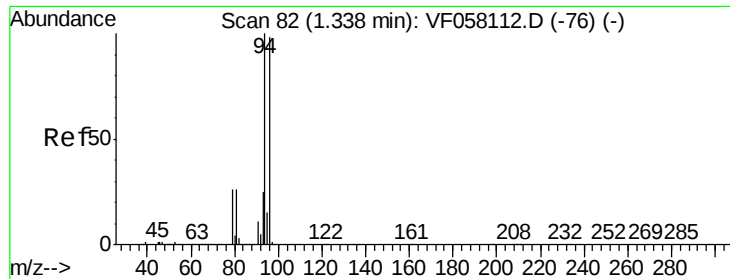
Tgt Ion: 62 Resp: 36513

Ion Ratio Lower Upper

62 100

64 37.2 25.0 37.6





#5

Bromomethane

Concen: 18.174 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

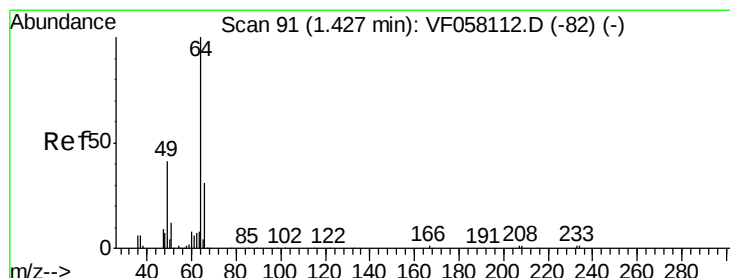
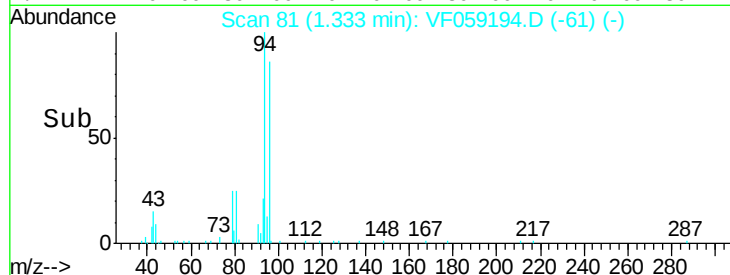
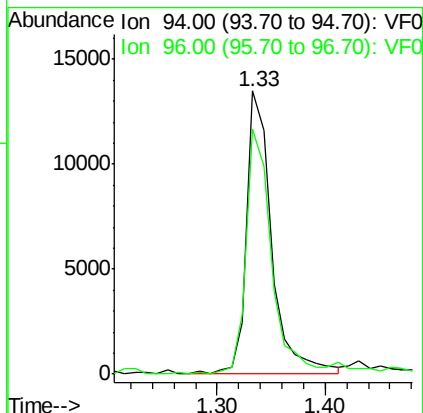
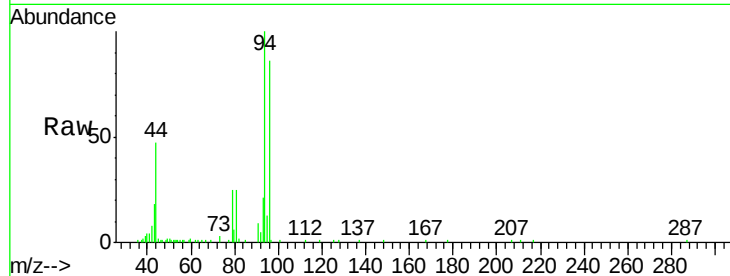
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 21860

Ion Ratio Lower Upper

94 100

96 87.5 78.6 117.8



#6

Chloroethane

Concen: 19.831 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059194.D

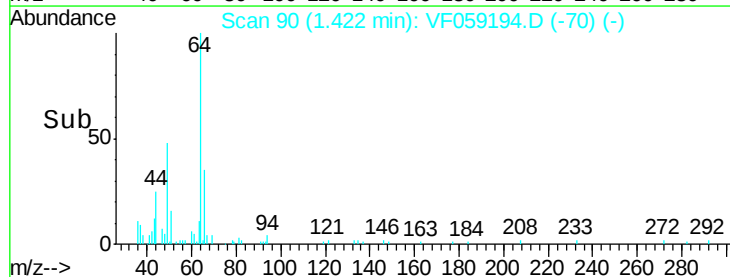
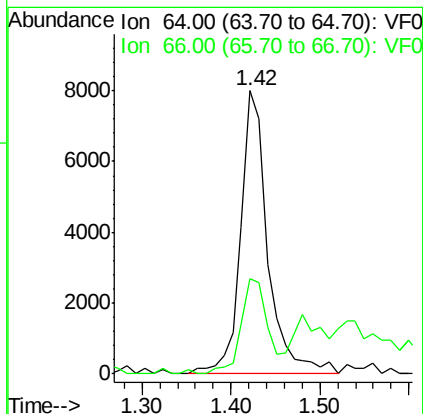
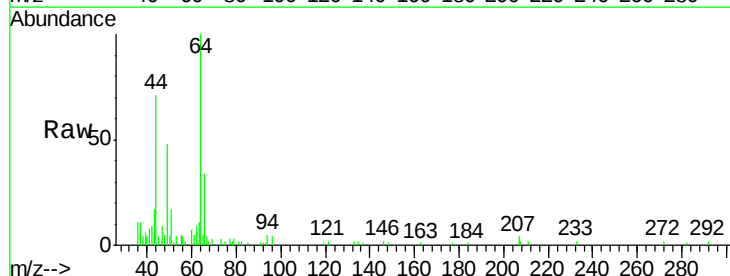
Acq: 19 Jun 2018 17:47

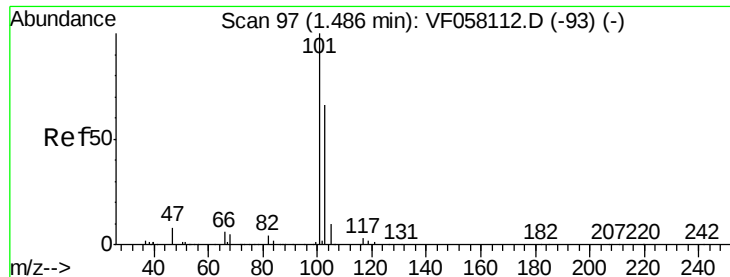
Tgt Ion: 64 Resp: 16986

Ion Ratio Lower Upper

64 100

66 37.4 24.9 37.3#





#7

Trichlorofluoromethane

Concen: 5.744 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

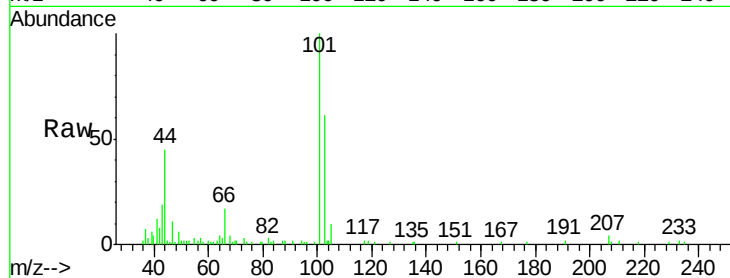
ClientSampleId :

Tot Ion:101 Resp: 18431

Ion Ratio Lower Upper

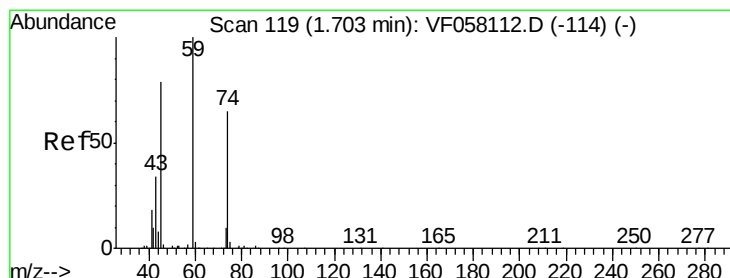
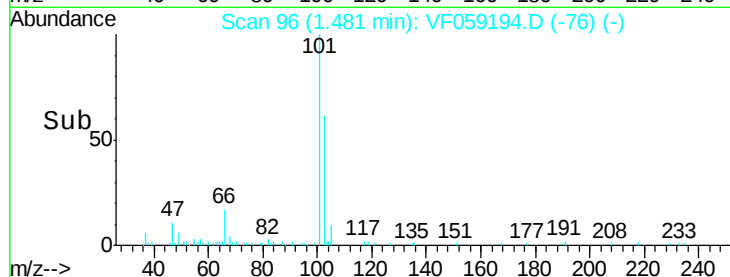
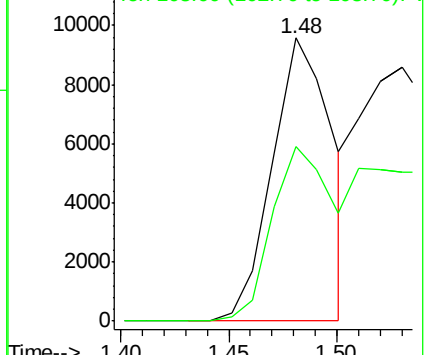
101 100

103 61.5 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.574 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF059194.D

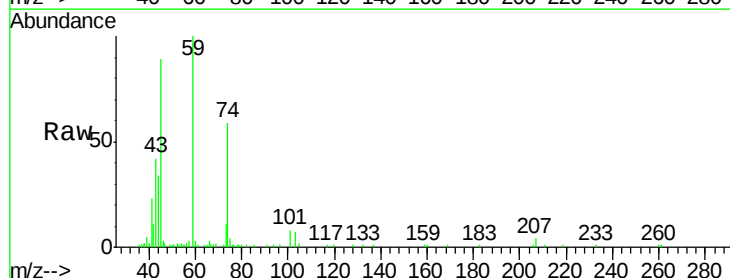
Acq: 19 Jun 2018 17:47

Tgt Ion: 74 Resp: 17417

Ion Ratio Lower Upper

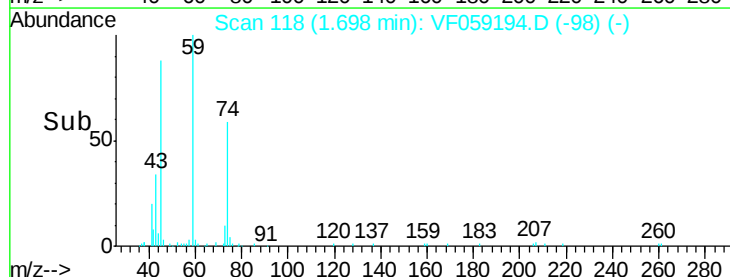
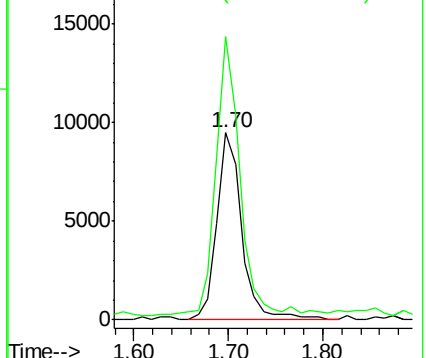
74 100

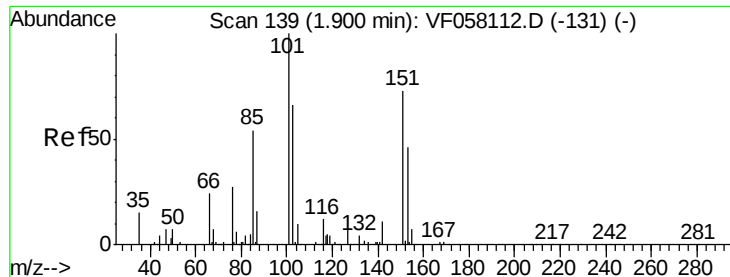
45 151.4 61.5 184.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.116 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

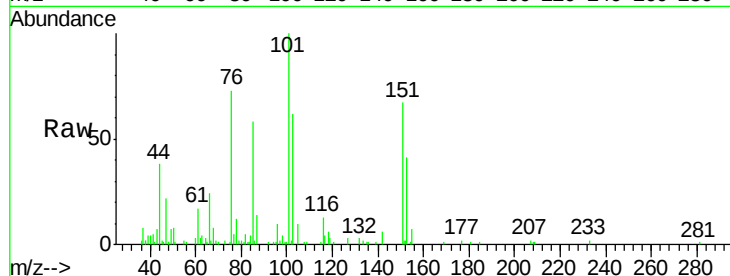
Tot Ion:101 Resp: 39094

Ion Ratio Lower Upper

101 100

85 58.2 42.2 63.4

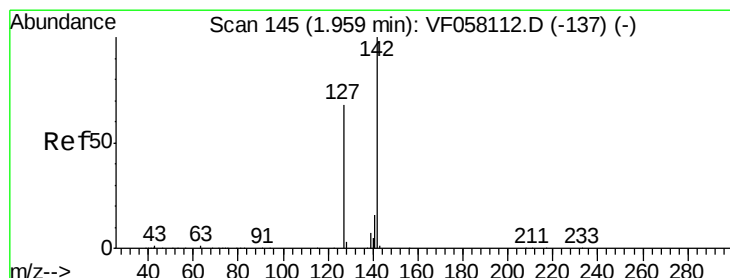
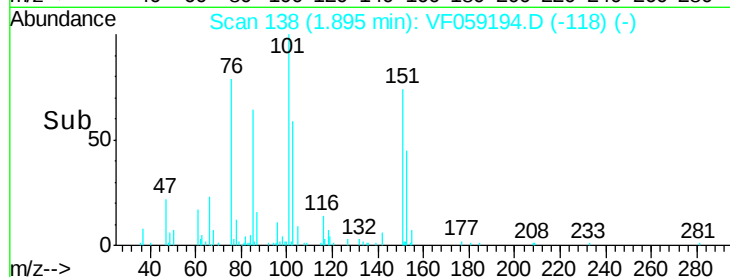
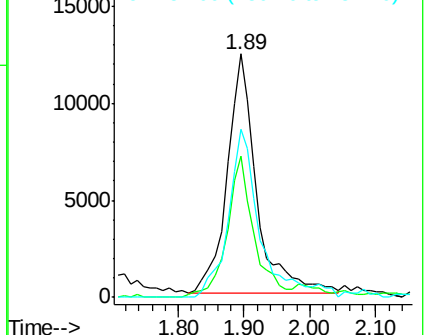
151 68.9 56.8 85.2



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: 19.973 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

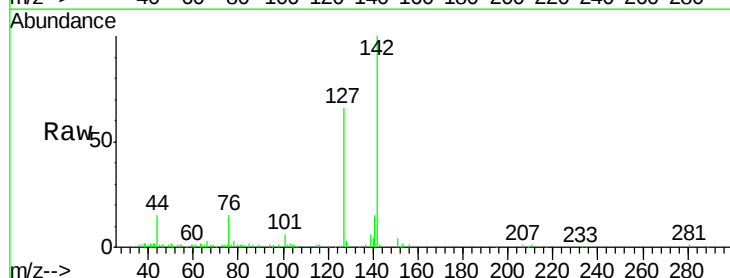
Tgt Ion:142 Resp: 71471

Ion Ratio Lower Upper

142 100

127 65.2 54.1 81.1

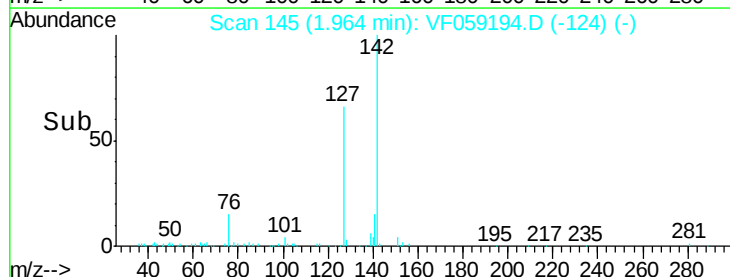
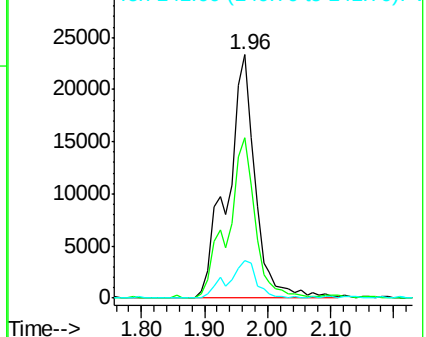
141 15.1 13.0 19.4

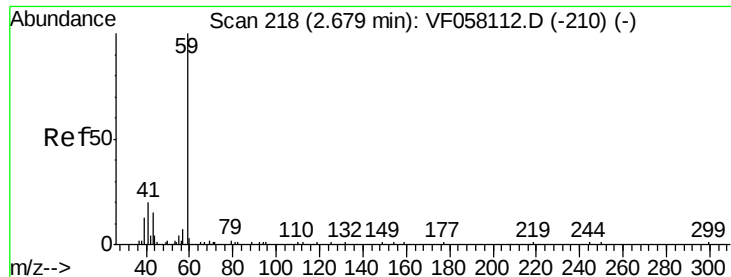


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



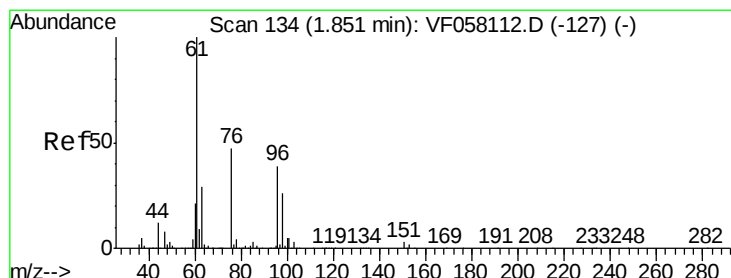
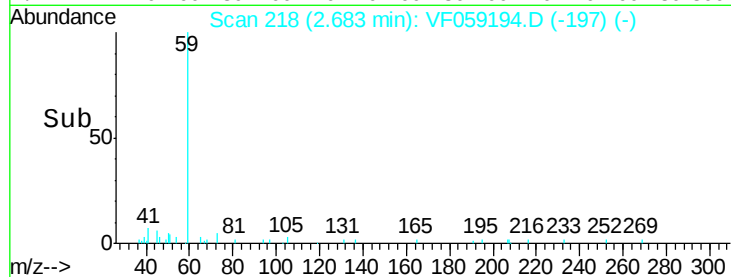
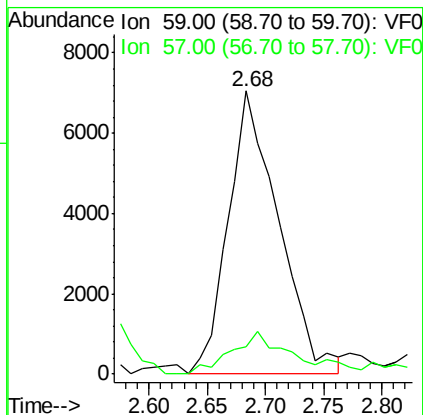
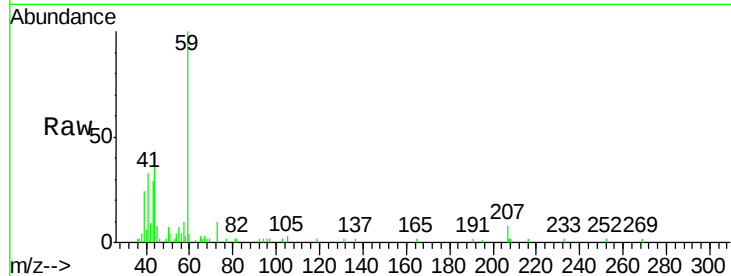


#11

Tert butyl alcohol
Concen: 104.305 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

Instrument :
MSVOA_F
ClientSampleId :

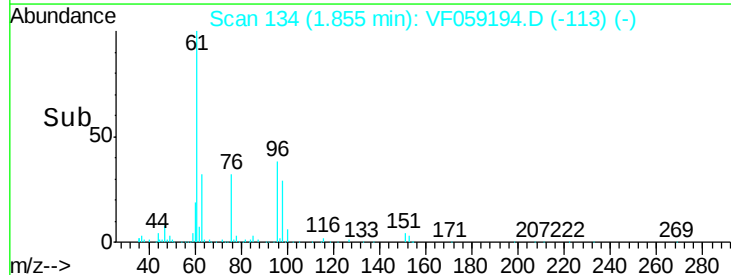
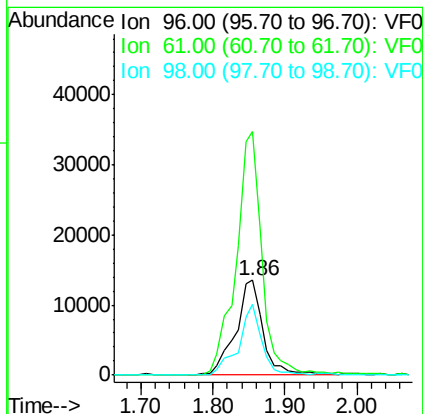
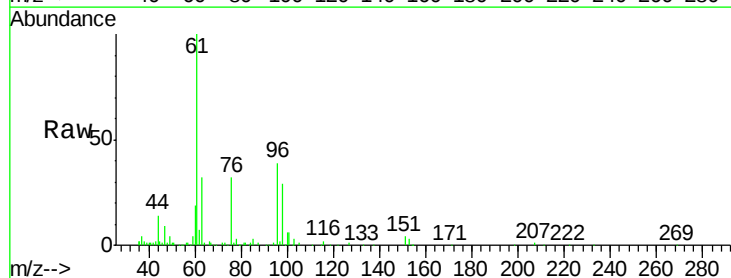
Tot Ion: 59 Resp: 21154
Ion Ratio Lower Upper
59 100
57 9.8 8.7 13.1

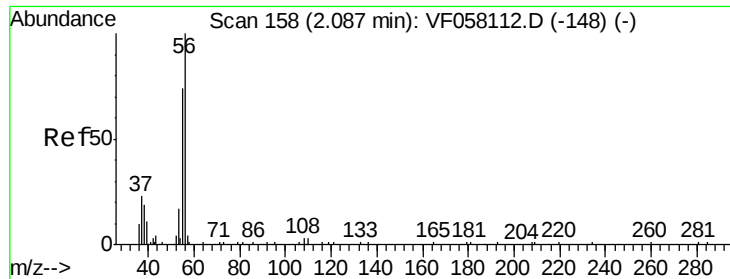


#12

1,1-Dichloroethene
Concen: 20.880 ug/l
RT: 1.86 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

Tgt Ion: 96 Resp: 35908
Ion Ratio Lower Upper
96 100
61 256.6 203.0 304.4
98 74.6 52.7 79.1





#13

Acrolein

Concen: 80.266 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

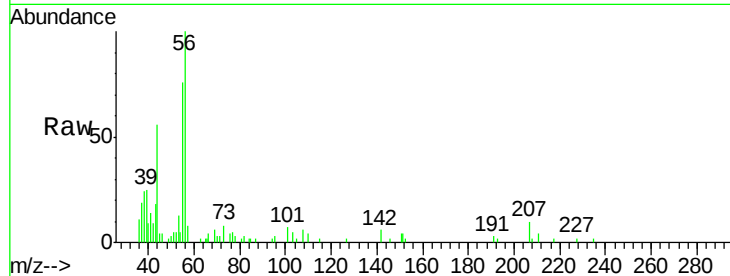
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 14090

Ion Ratio Lower Upper

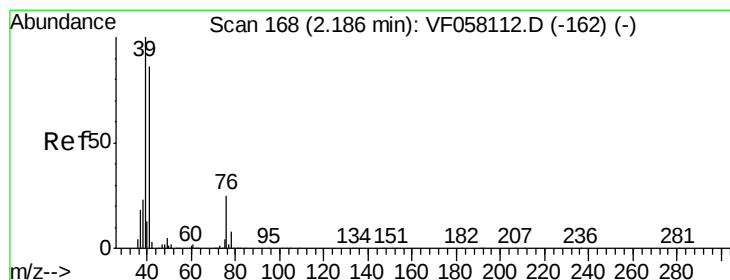
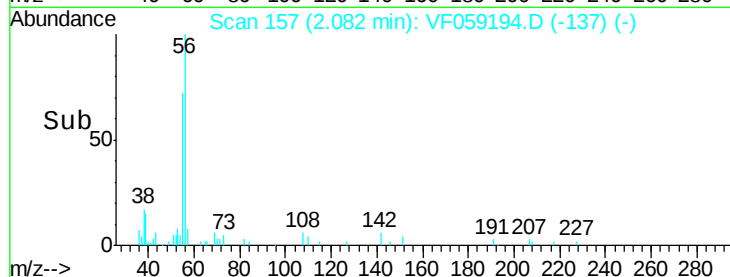
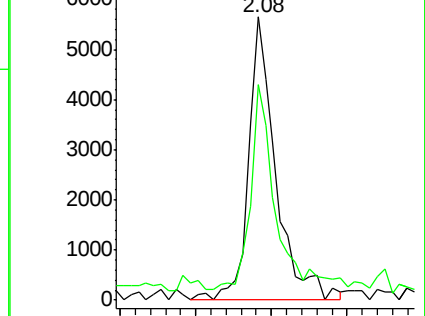
56 100

55 76.3 60.0 90.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 20.420 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

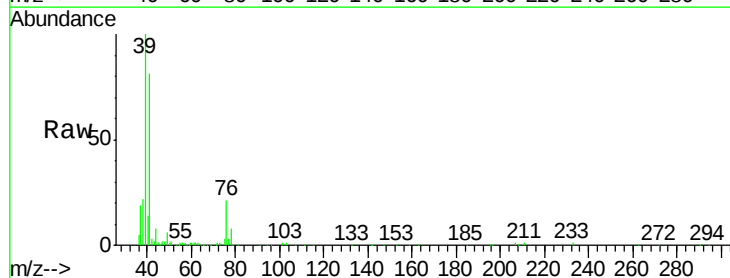
Tgt Ion: 41 Resp: 68923

Ion Ratio Lower Upper

41 100

39 123.0 93.5 140.3

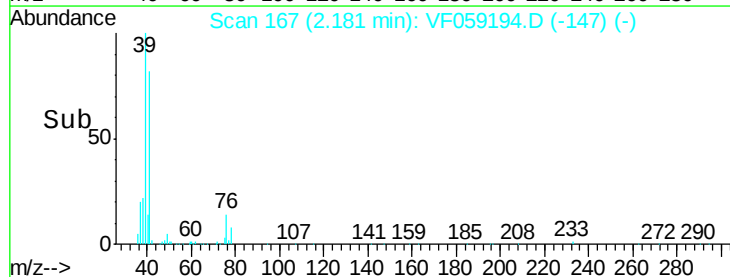
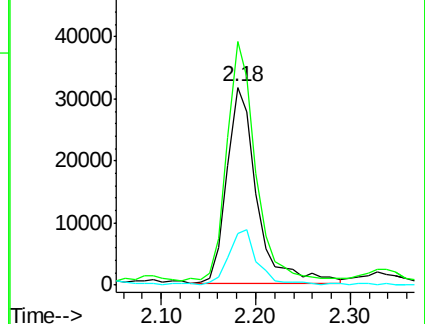
76 26.0 23.9 35.9

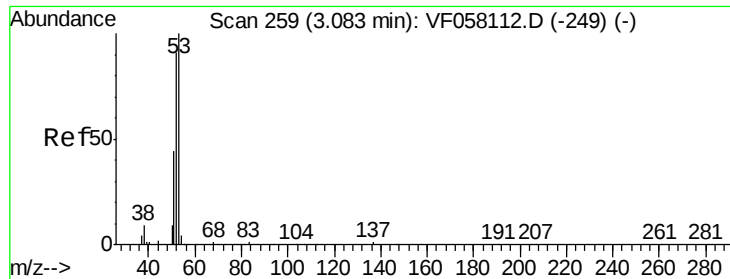


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 117.623 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :
MSVOA_F
ClientSampleId :

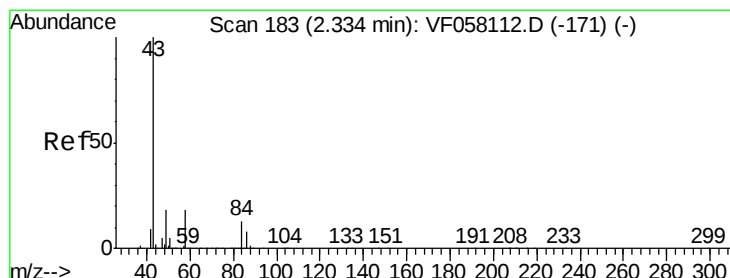
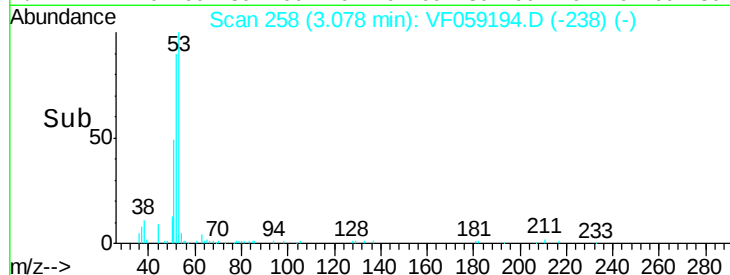
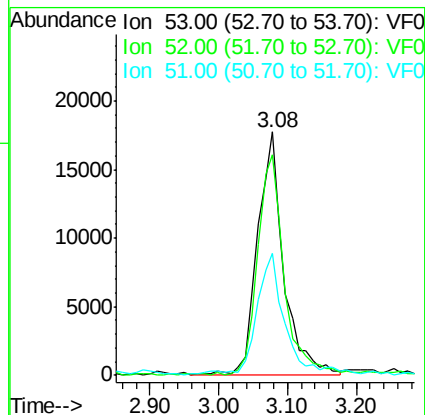
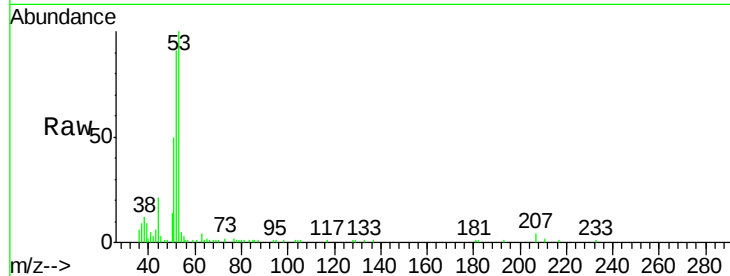
Tot Ion: 53 Resp: 47378

Ion Ratio Lower Upper

53 100

52 90.7 73.2 109.8

51 49.9 35.6 53.4



#16

Acetone

Concen: 124.410 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059194.D

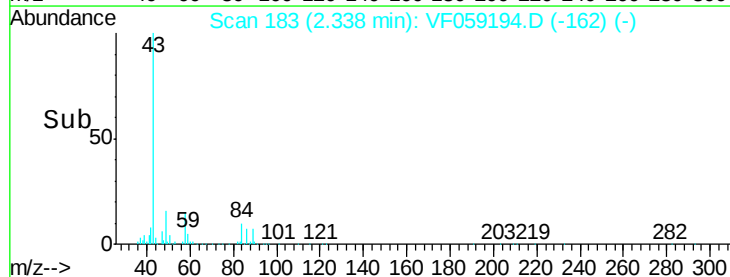
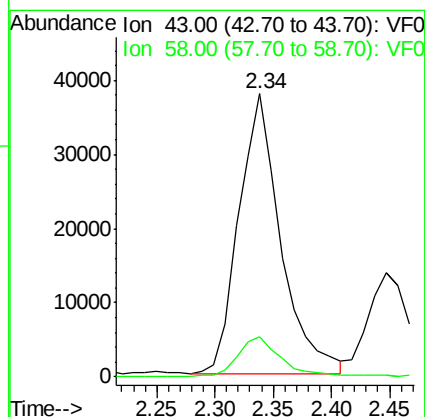
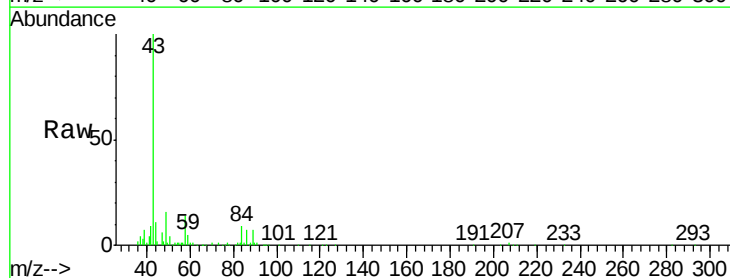
Acq: 19 Jun 2018 17:47

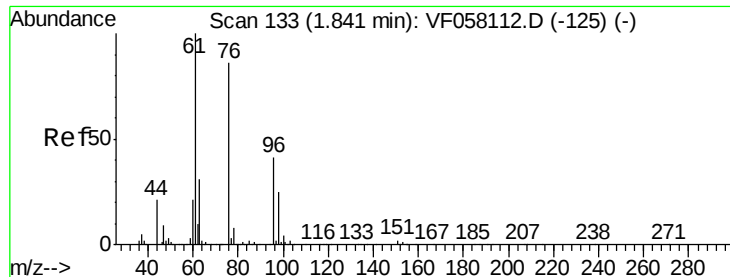
Tgt Ion: 43 Resp: 94022

Ion Ratio Lower Upper

43 100

58 14.3 14.4 21.6#

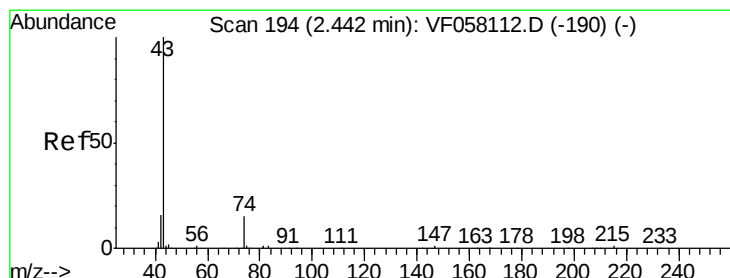
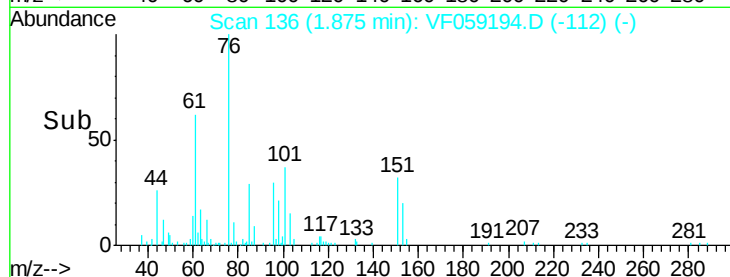
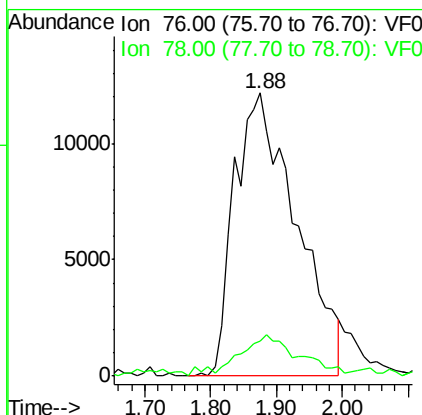
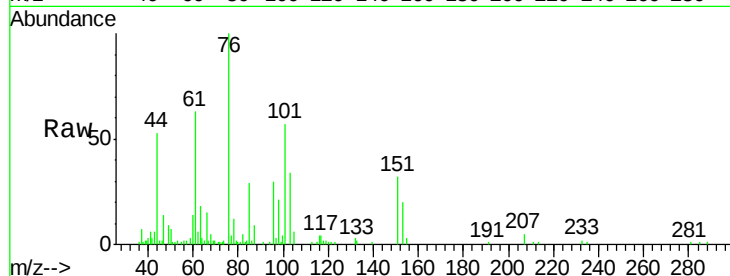




#17
Carbon Disulfide
Concen: 16.557 ug/l
RT: 1.88 min Scan# 136
Delta R.T. 0.03 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

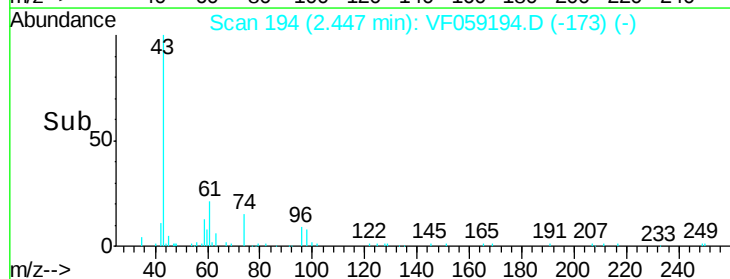
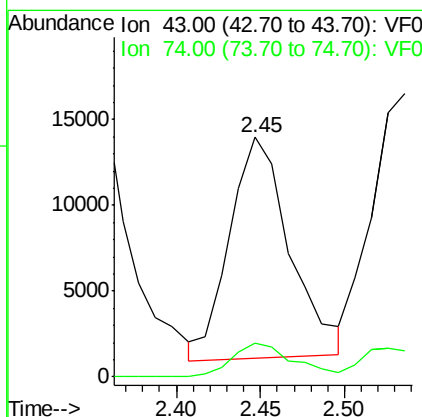
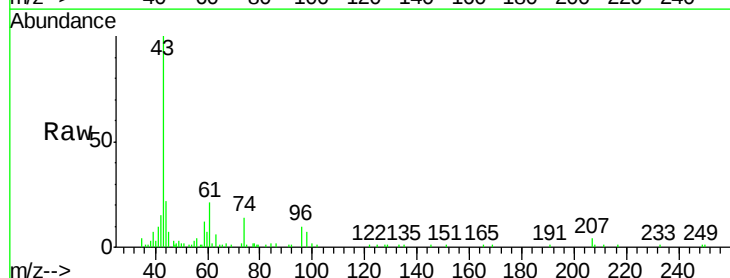
Instrument :
MSVOA_F
ClientSampleId :

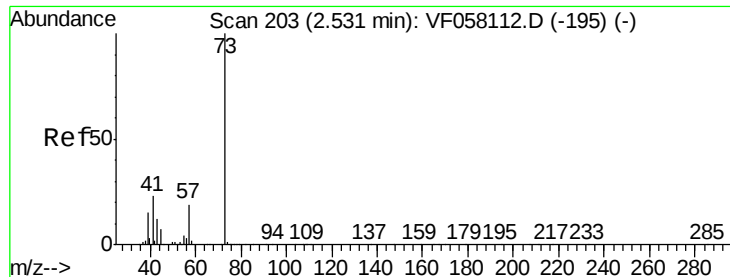
Tot Ion: 76 Resp: 79943
Ion Ratio Lower Upper
76 100
78 12.3 7.8 11.8#



#18
Methyl Acetate
Concen: 24.587 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

Tgt Ion: 43 Resp: 31943
Ion Ratio Lower Upper
43 100
74 14.0 10.9 16.3



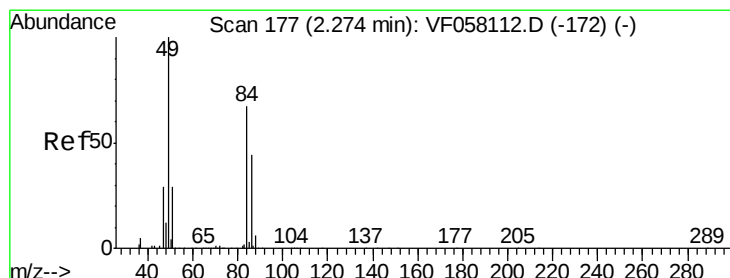
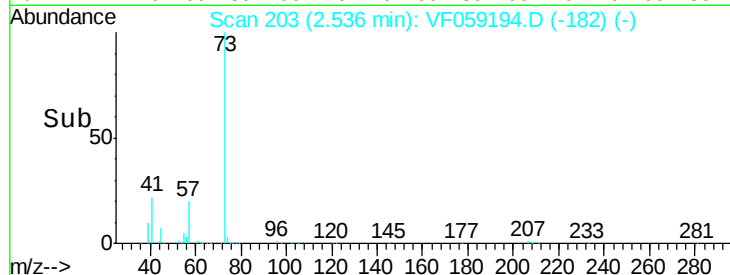
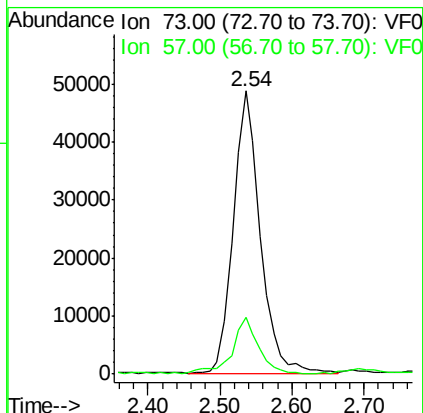
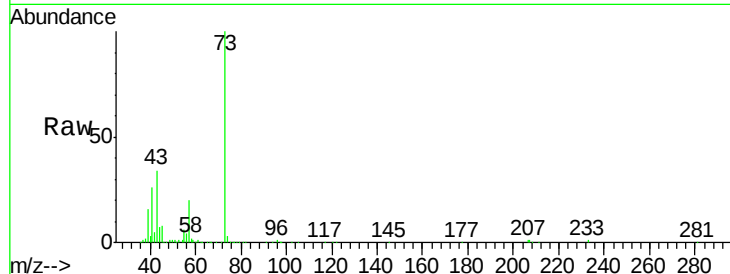


#19

Methyl tert-butyl Ether
Concen: 23.654 ug/l
RT: 2.54 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

Instrument :
MSVOA_F
ClientSampled :

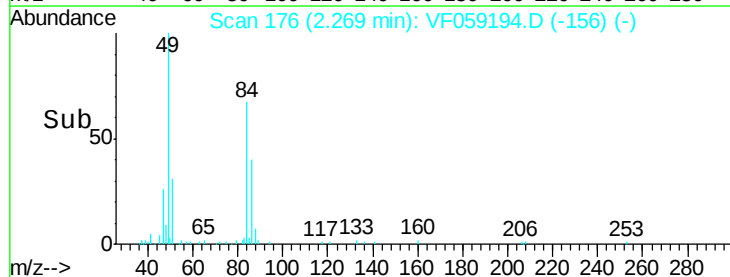
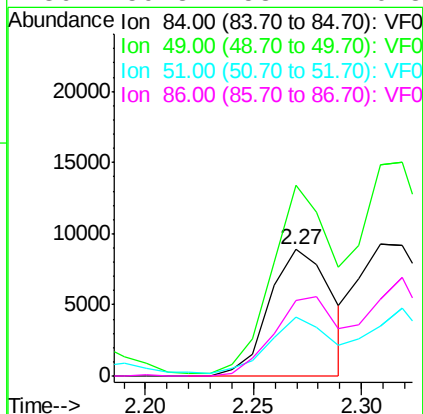
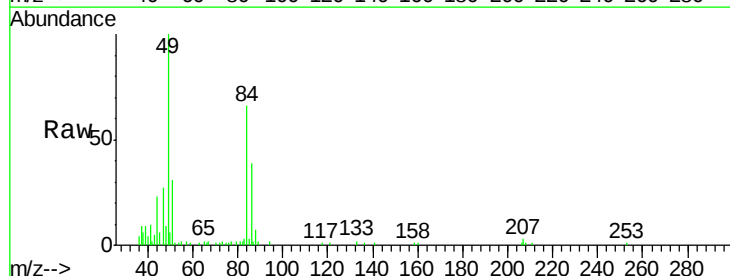
Tot Ion: 73 Resp: 126278
Ion Ratio Lower Upper
73 100
57 20.1 15.0 22.4

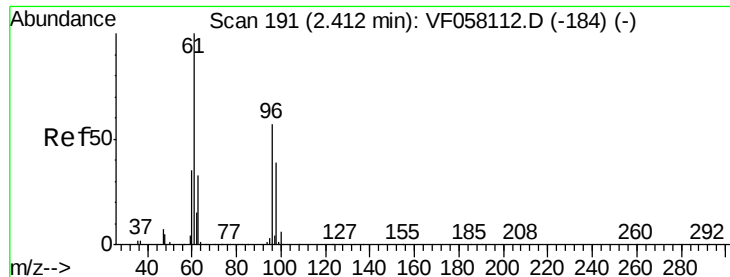


#20

Methylene Chloride
Concen: 9.800 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

Tgt Ion: 84 Resp: 17733
Ion Ratio Lower Upper
84 100
49 150.6 121.0 181.4
51 46.6 35.8 53.6
86 59.3 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 19.804 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

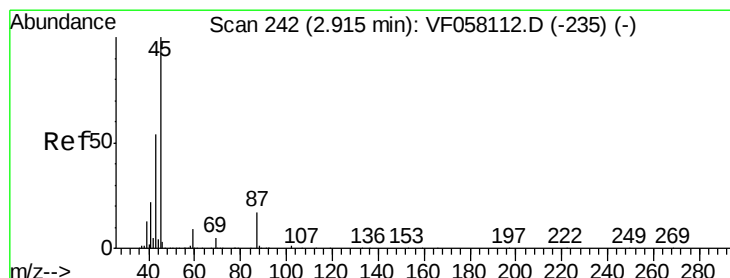
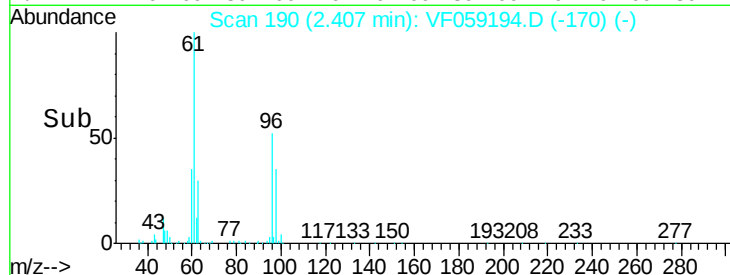
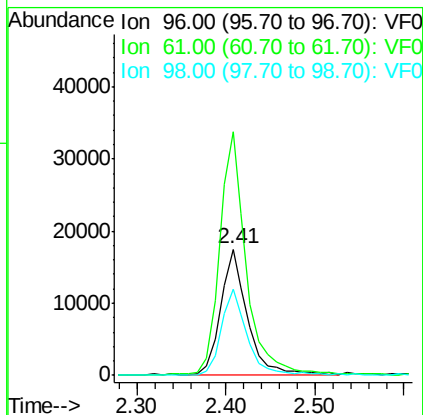
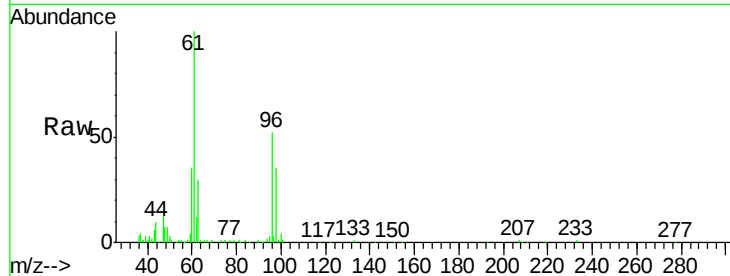
Tot Ion: 96 Resp: 37350

Ion Ratio Lower Upper

96 100

61 192.8 139.4 209.2

98 68.0 54.0 81.0



#22

Diisopropyl ether

Concen: 21.864 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Tgt Ion: 45 Resp: 145072

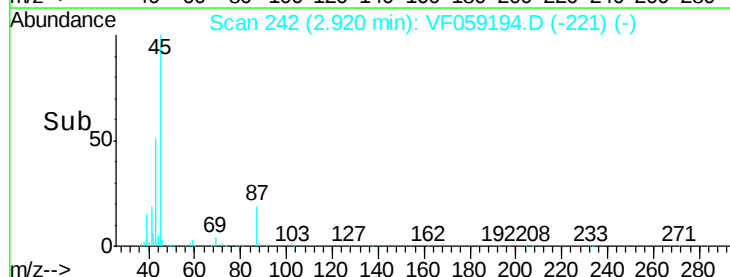
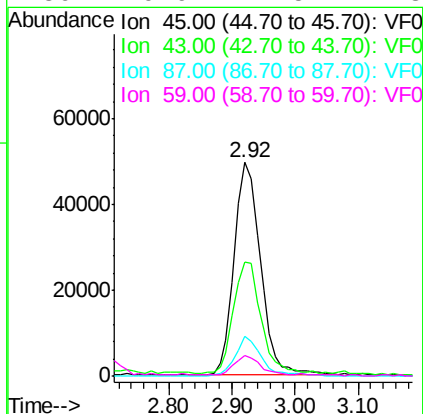
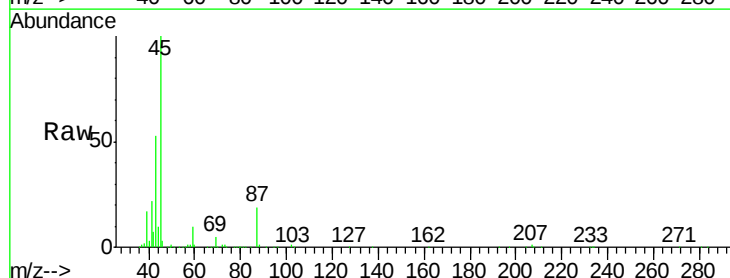
Ion Ratio Lower Upper

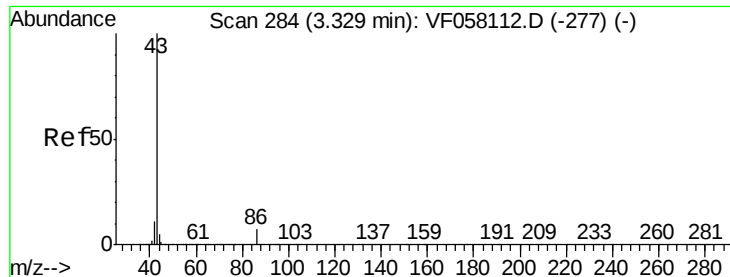
45 100

43 53.4 43.2 64.8

87 18.6 13.8 20.6

59 9.9 7.5 11.3





#23

Vinyl Acetate

Concen: 112.785 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

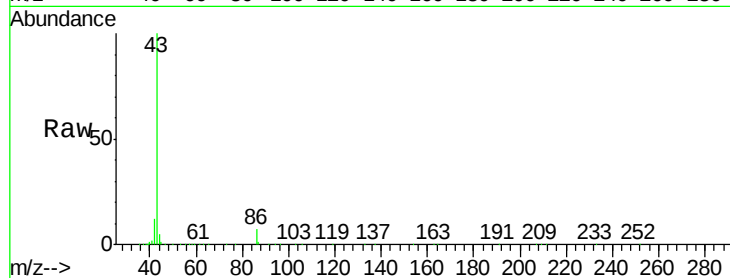
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 493406

Ion Ratio Lower Upper

43 100

86 7.0 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.32

200000

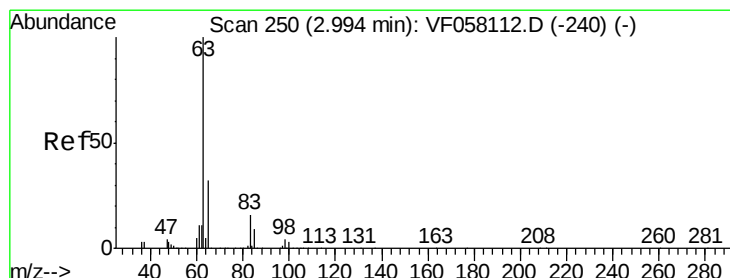
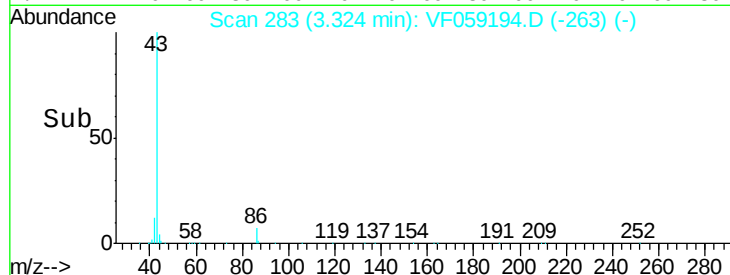
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.457 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

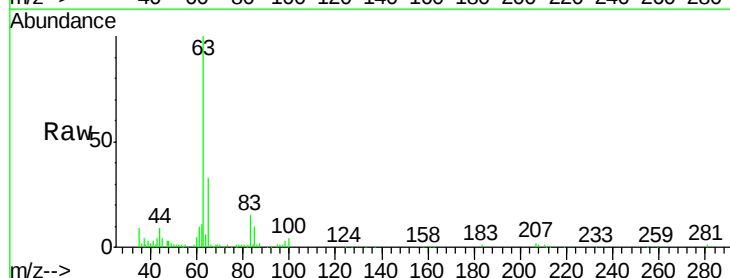
Tgt Ion: 63 Resp: 86310

Ion Ratio Lower Upper

63 100

98 3.5 2.0 6.0

100 3.6 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

3.00

40000

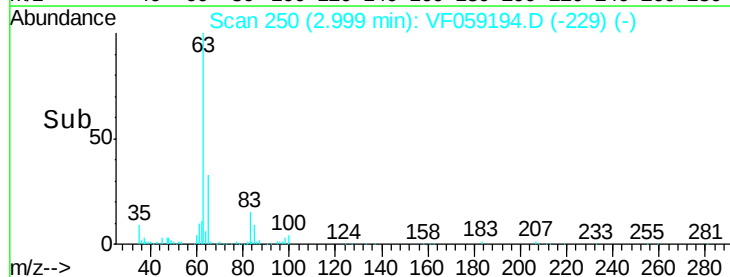
30000

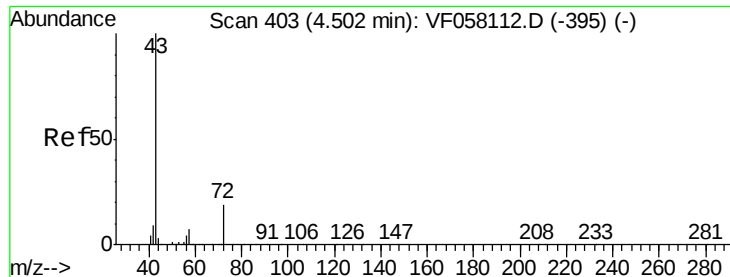
20000

10000

0

Time-->





#25

2-Butanone

Concen: 102.834 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

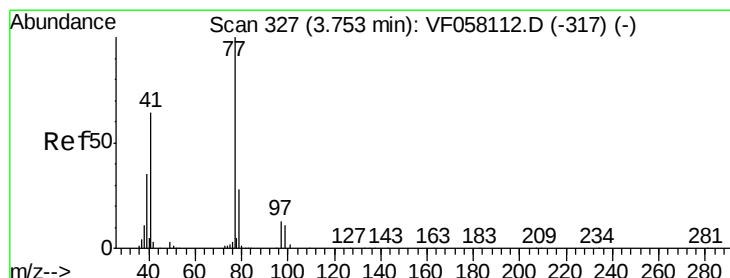
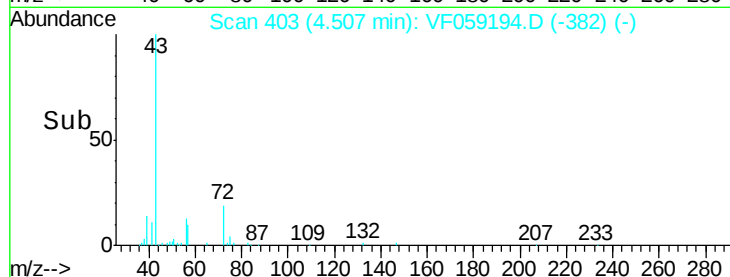
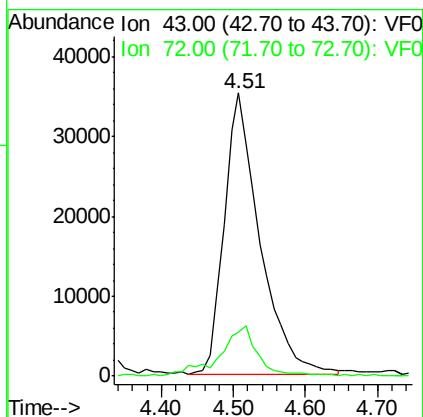
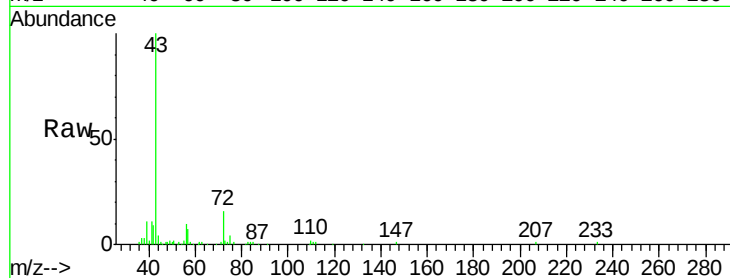
ClientSampleId :

Tot Ion: 43 Resp: 120486

Ion Ratio Lower Upper

43 100

72 15.5 16.1 24.1#



#26

2,2-Dichloropropane

Concen: 21.565 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059194.D

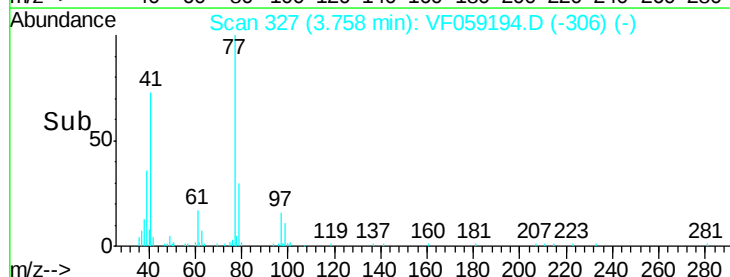
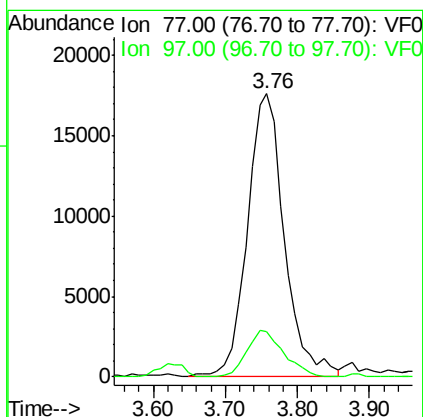
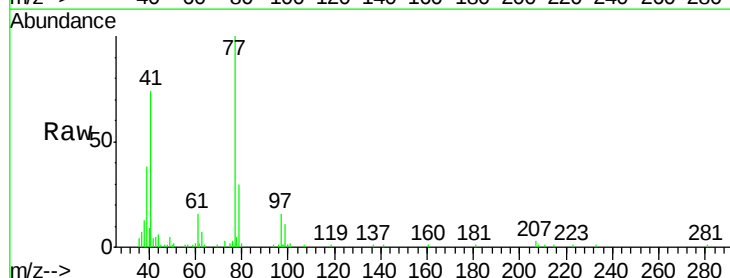
Acq: 19 Jun 2018 17:47

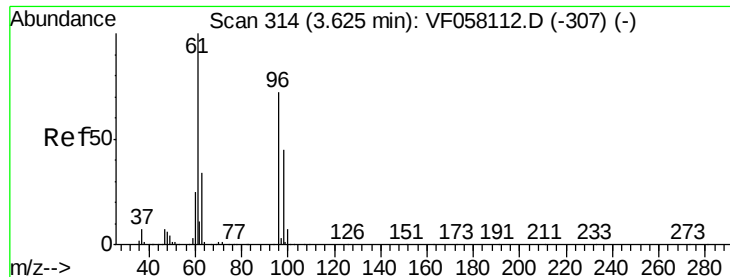
Tgt Ion: 77 Resp: 62932

Ion Ratio Lower Upper

77 100

97 17.2 7.2 21.6



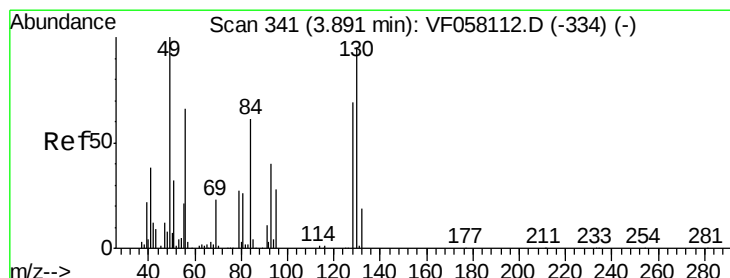
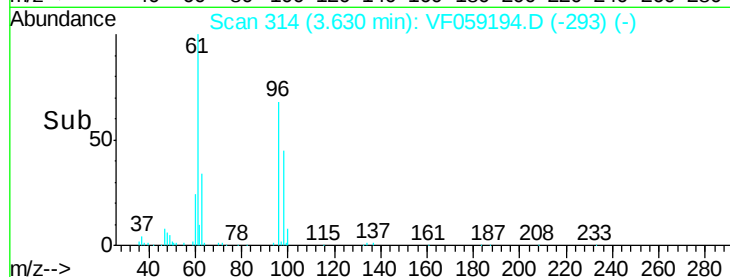
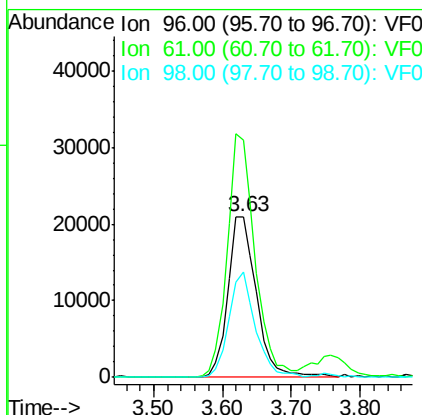
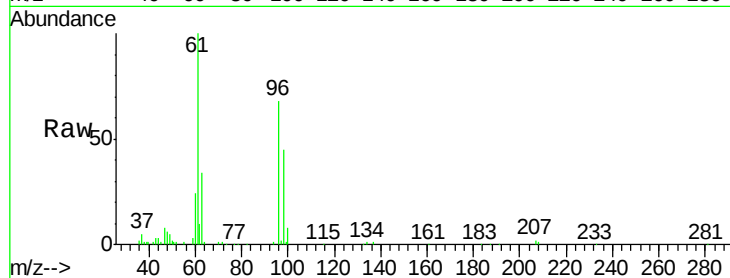


#27

cis-1,2-Dichloroethene
Concen: 20.818 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

Instrument :
MSVOA_F
ClientSampleId :

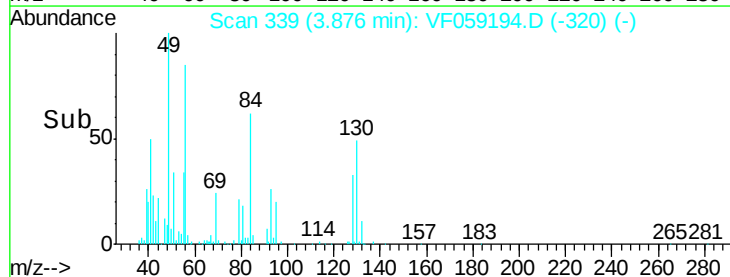
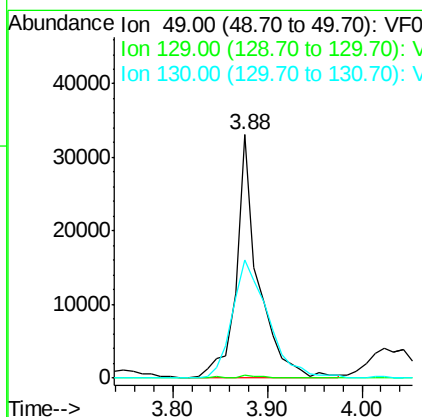
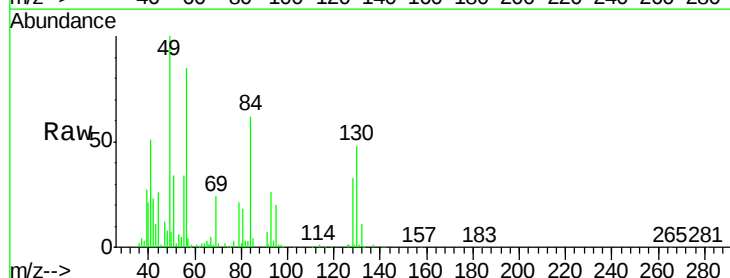
Tot Ion	96	Resp	60428
Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	278.6
98	65.8	0.0	125.2

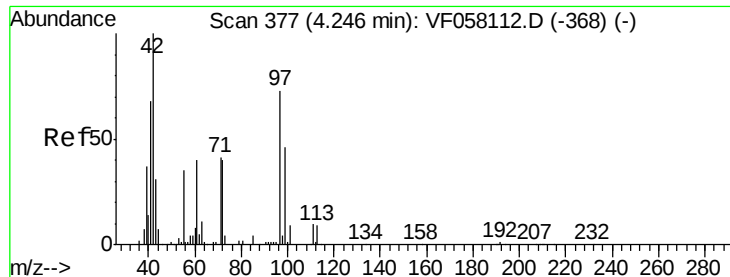


#28

Bromochloromethane
Concen: 29.027 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

Tgt Ion	49	Resp	52555
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	0.0#
130	49.5	75.8	113.8#





#29

Tetrahydrofuran

Concen: 104.332 ug/l

RT: 4.25 min Scan# 377

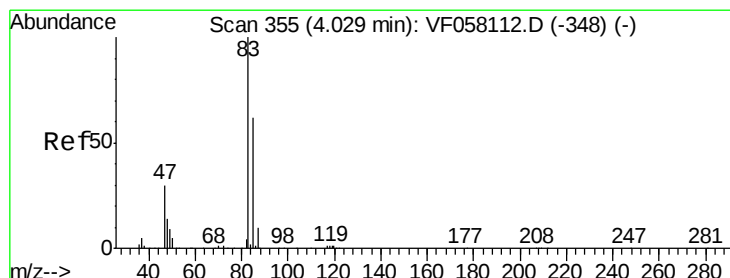
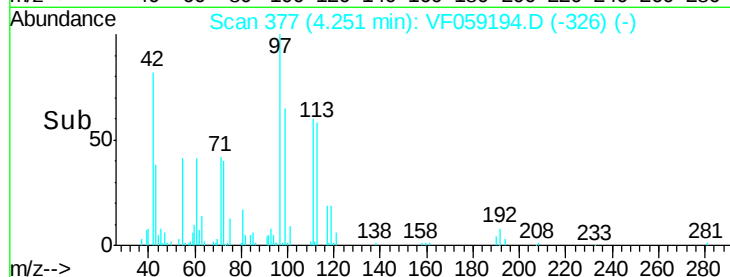
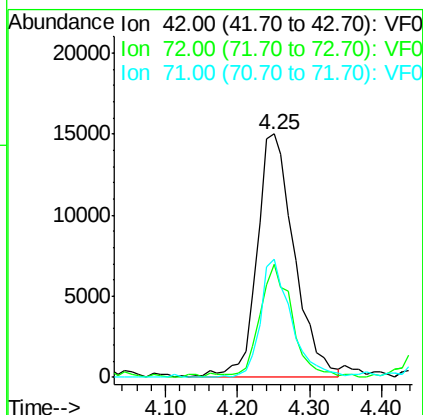
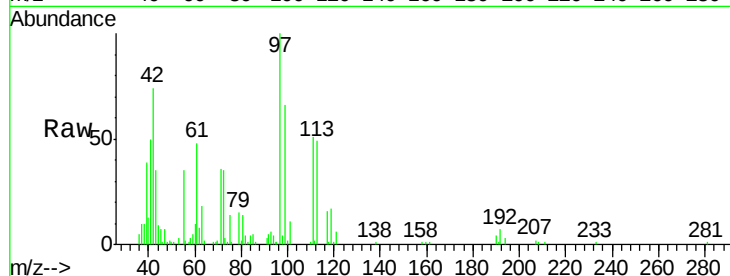
Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	53863
Ion	Ratio	Lower	Upper
42	100		
72	40.9	30.5	45.7
71	40.0	31.5	47.3



#30

Chloroform

Concen: 22.564 ug/l

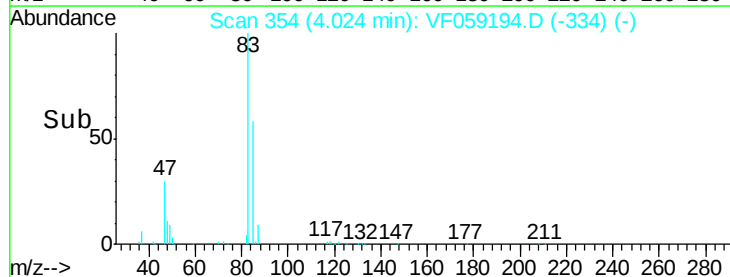
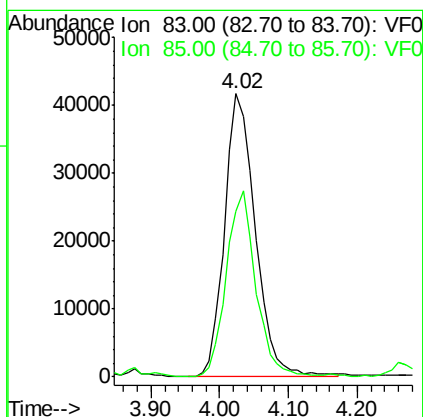
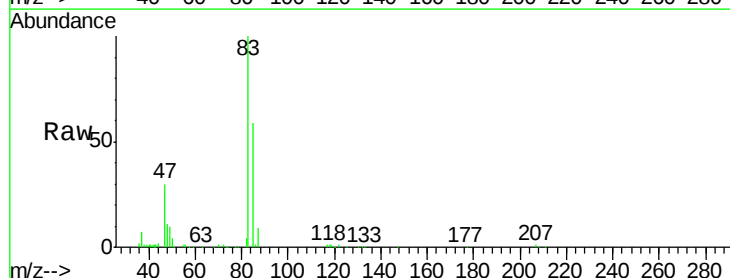
RT: 4.02 min Scan# 354

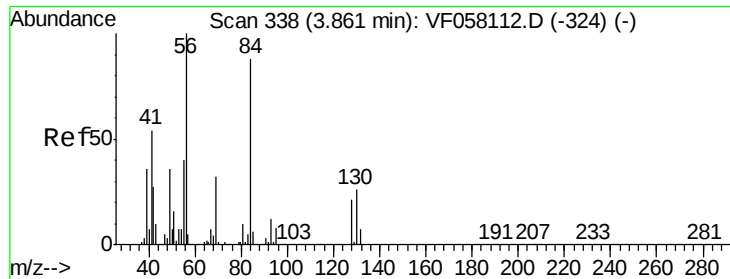
Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Tgt Ion:	83	Resp:	129839
Ion	Ratio	Lower	Upper
83	100		
85	58.6	49.5	74.3

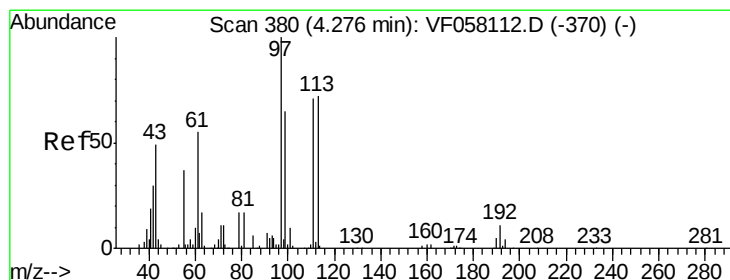
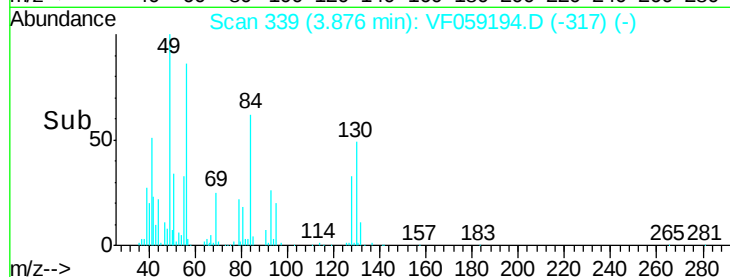
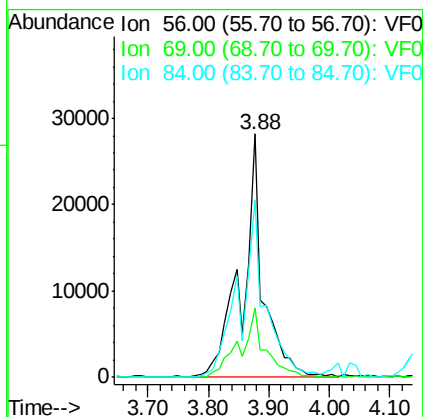
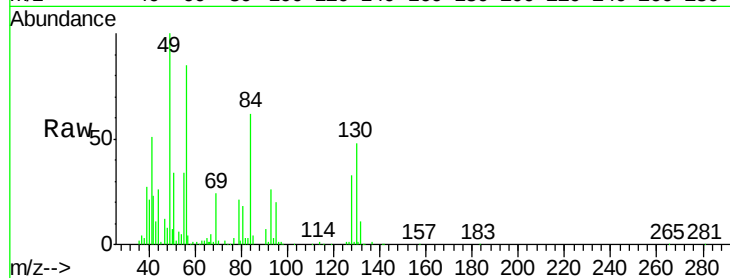




#31
Cyclohexane
Concen: 19.658 ug/l
RT: 3.88 min Scan# 339
Delta R.T. 0.01 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

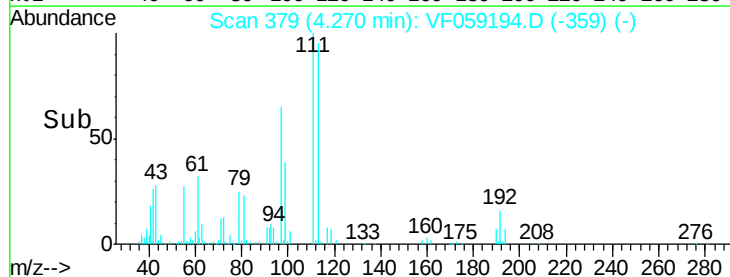
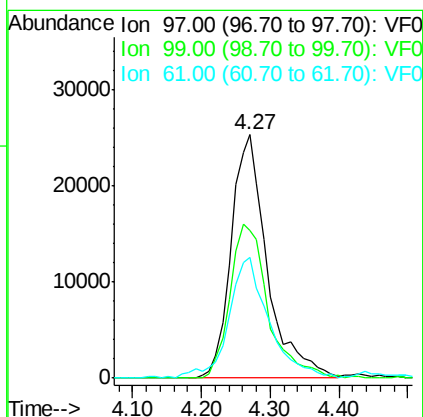
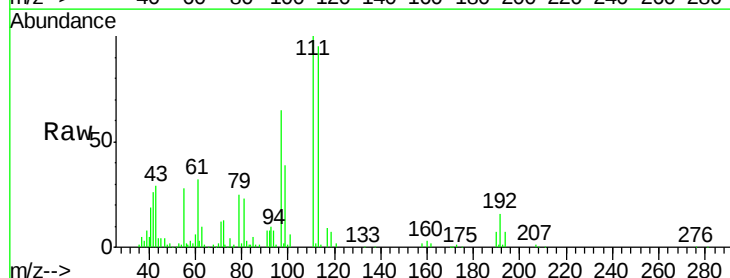
Instrument :
MSVOA_F
ClientSampleId :

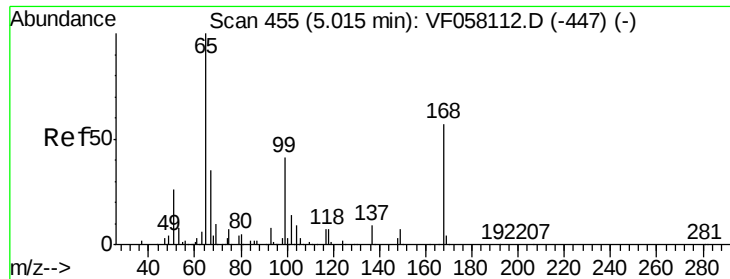
Tot Ion: 56 Resp: 69078
Ion Ratio Lower Upper
56 100
69 28.6 25.9 38.9
84 72.7 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 21.426 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

Tgt Ion: 97 Resp: 92046
Ion Ratio Lower Upper
97 100
99 60.5 52.0 78.0
61 49.3 44.3 66.5

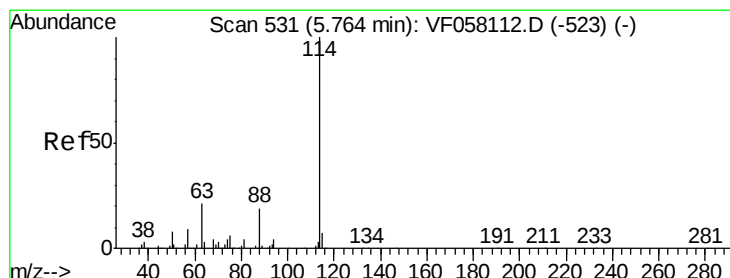
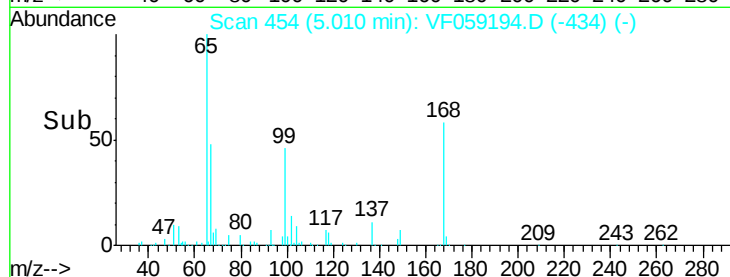
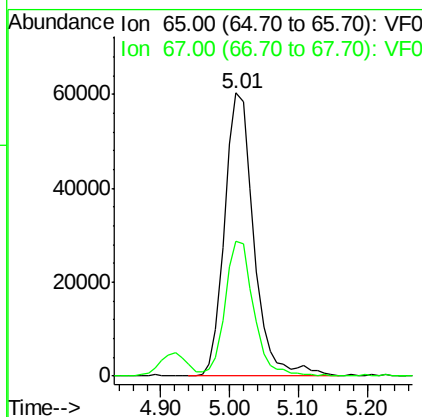
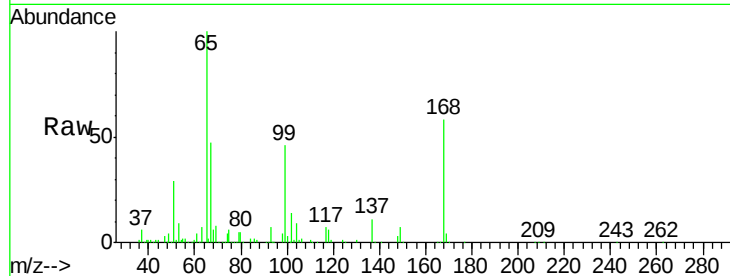




#33
 1,2-Dichloroethane-d4
 Concen: 55.958 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059194.D
 Acq: 19 Jun 2018 17:47

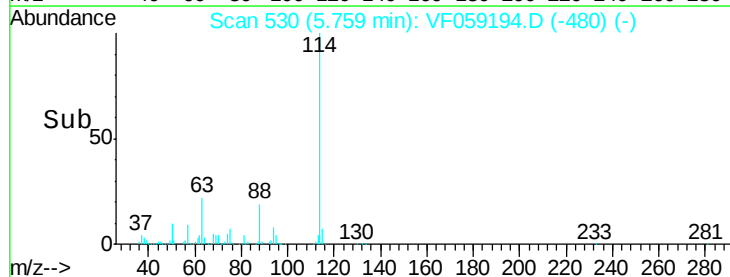
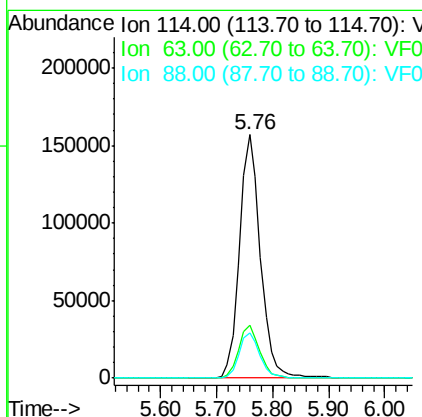
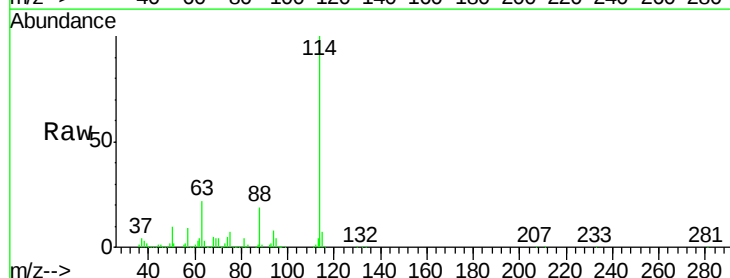
Instrument :
 MSVOA_F
 ClientSampleId :

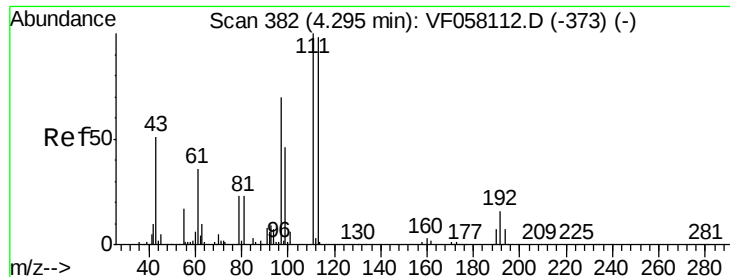
Tot Ion: 65 Resp: 177122
 Ion Ratio Lower Upper
 65 100
 67 47.5 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059194.D
 Acq: 19 Jun 2018 17:47

Tgt Ion: 114 Resp: 406305
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 41.6
 88 18.8 0.0 38.8





#35

Dibromofluoromethane

Concen: 55.456 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

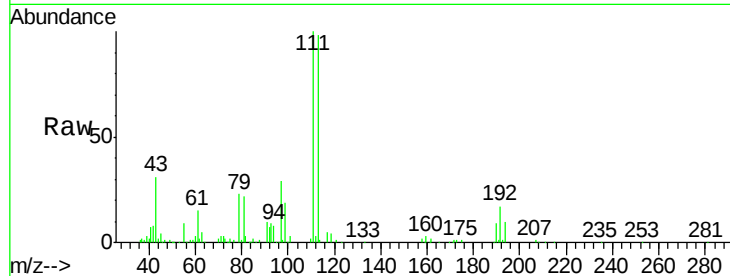
Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:113 Resp: 158101

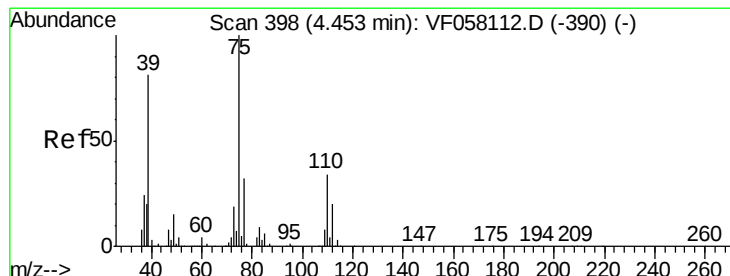
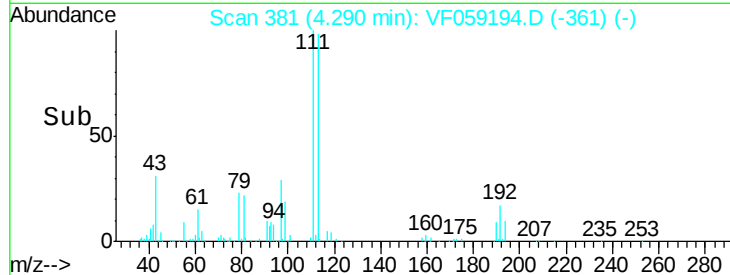
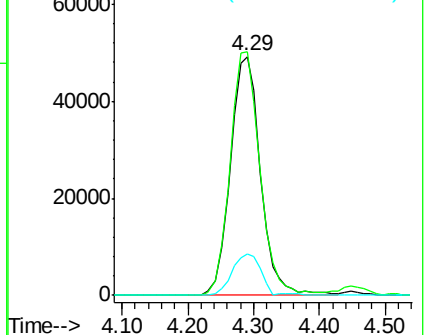
Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.3	121.9
192	17.1	12.7	19.1



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: 21.138 ug/l

RT: 4.45 min Scan# 397

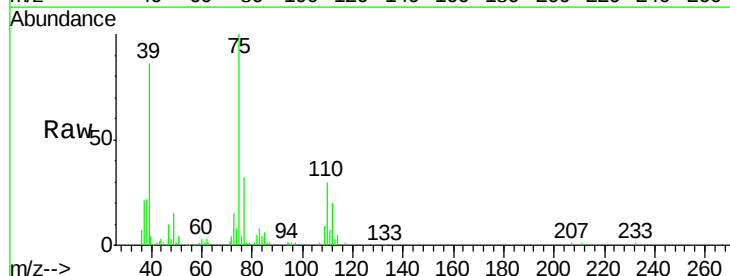
Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Tgt Ion: 75 Resp: 83248

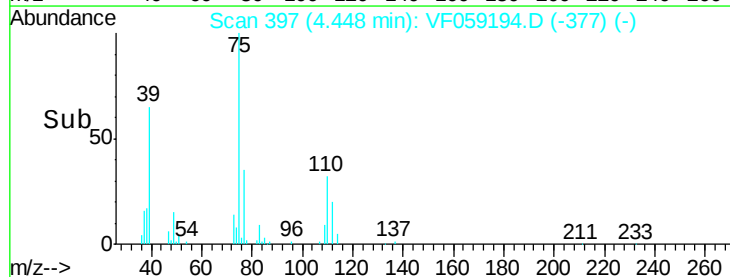
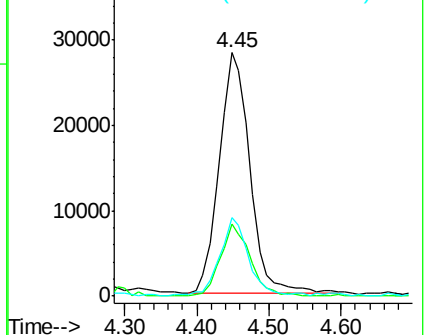
Ion	Ratio	Lower	Upper
75	100		
110	29.7	17.0	50.9
77	32.0	25.3	37.9

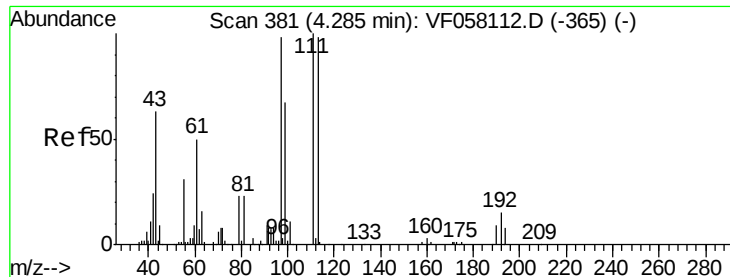


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

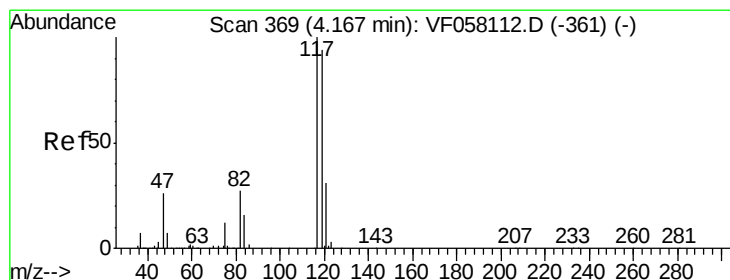
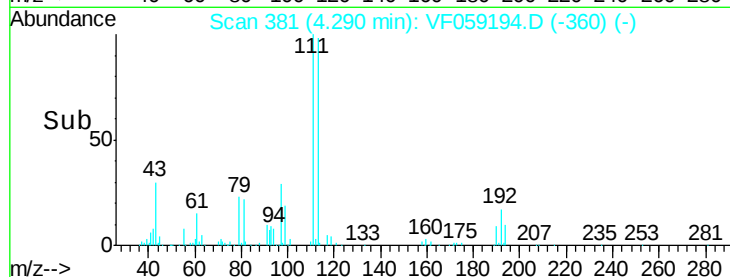
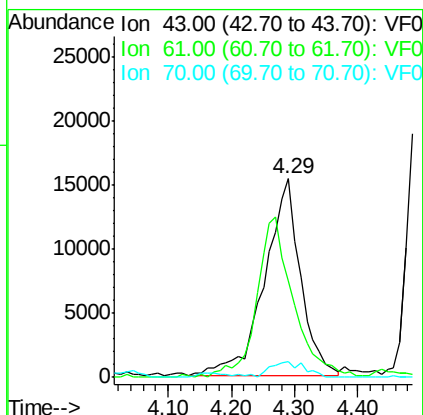
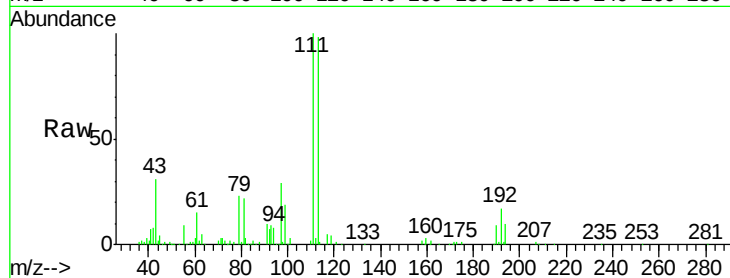




#37
Ethyl Acetate
Concen: 25.000 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

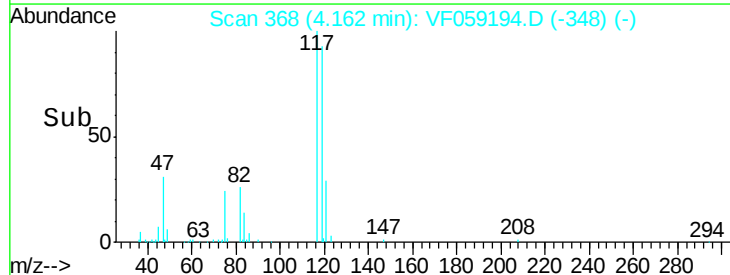
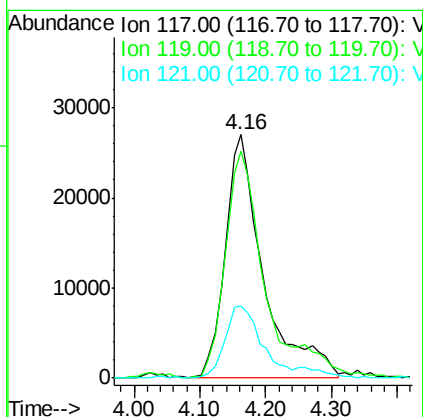
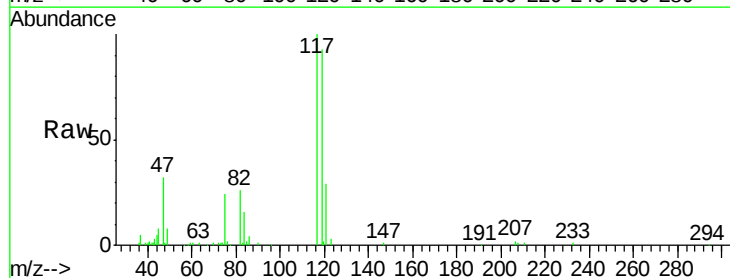
Instrument :
MSVOA_F
ClientSampleId :

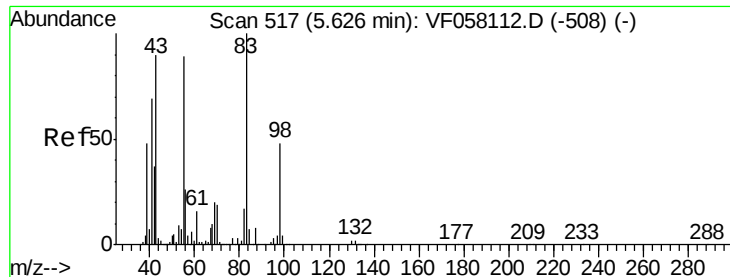
Tot Ion: 43 Resp: 60836
Ion Ratio Lower Upper
43 100
61 48.9 63.0 94.4#
70 8.1 7.5 11.3



#38
Carbon Tetrachloride
Concen: 25.715 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

Tgt Ion: 117 Resp: 109756
Ion Ratio Lower Upper
117 100
119 93.0 75.7 113.5
121 29.4 24.8 37.2

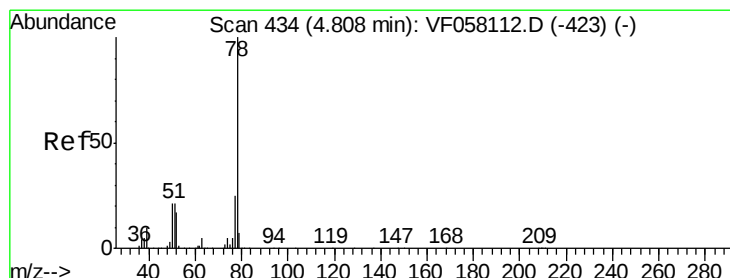
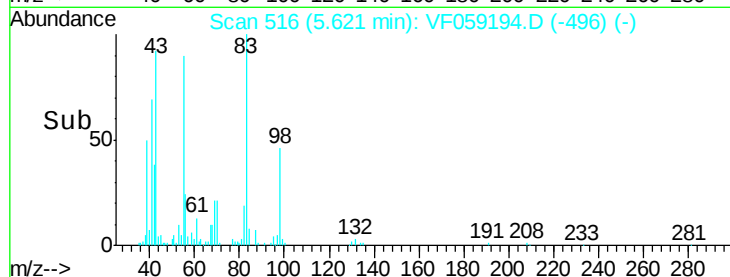
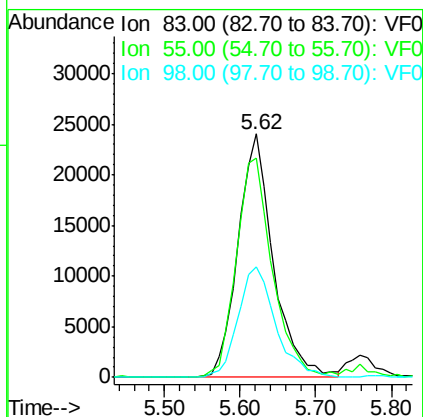
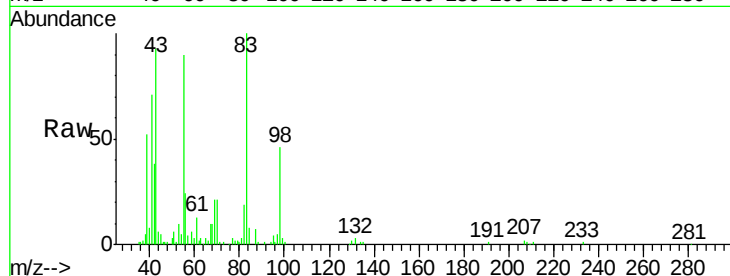




#39
Methvlcvclohexane
Concen: 19.356 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

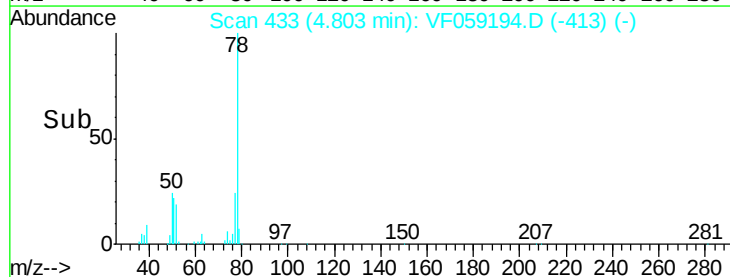
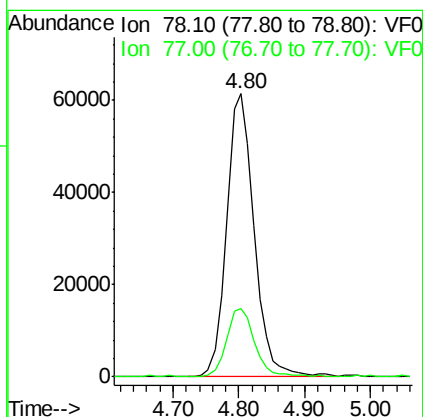
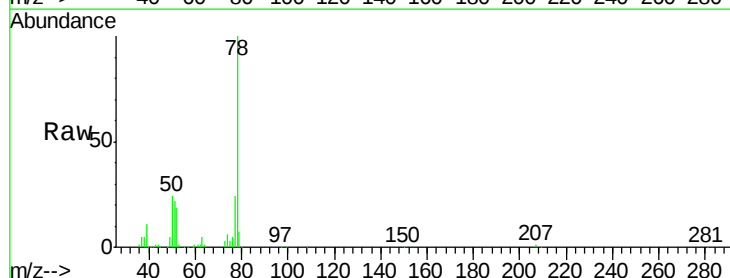
Instrument :
MSVOA_F
ClientSampleId :

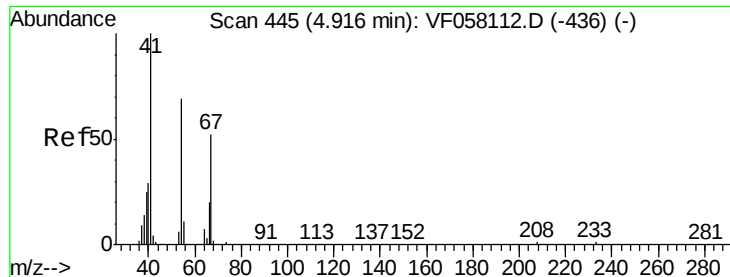
Tot Ion: 83 Resp: 77703
Ion Ratio Lower Upper
83 100
55 89.9 71.0 106.4
98 45.6 38.1 57.1



#40
Benzene
Concen: 19.732 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

Tgt Ion: 78 Resp: 180370
Ion Ratio Lower Upper
78 100
77 24.3 20.2 30.2





#41

Methacrylonitrile

Concen: 21.524 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 25732

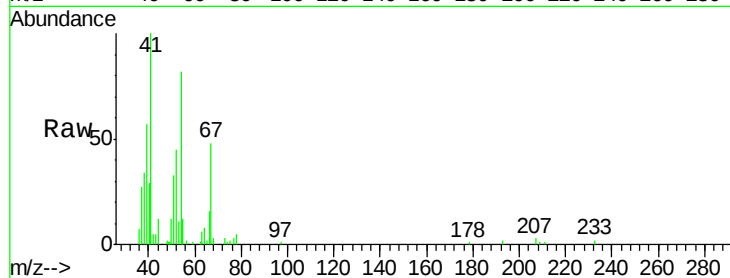
Ion Ratio Lower Upper

41 100

39 56.8 53.0 79.4

67 47.9 41.0 61.6

52 45.1 36.8 55.2

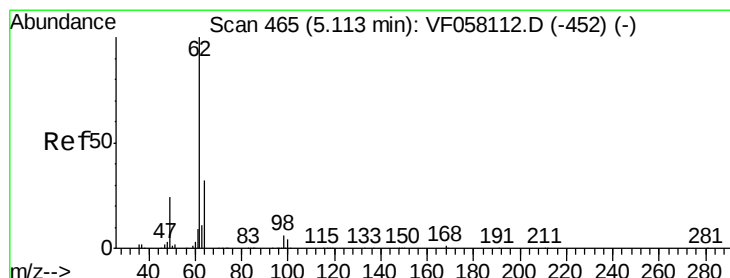
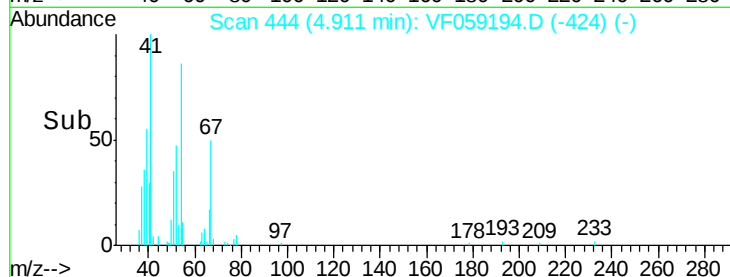
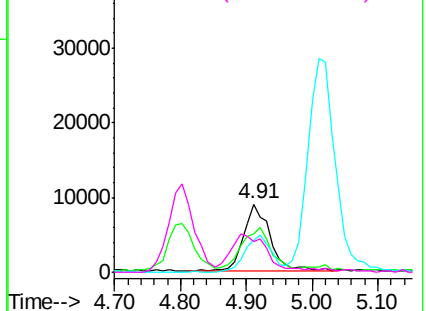


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 23.656 ug/l

RT: 5.11 min Scan# 464

Delta R.T. -0.01 min

Lab File: VF059194.D

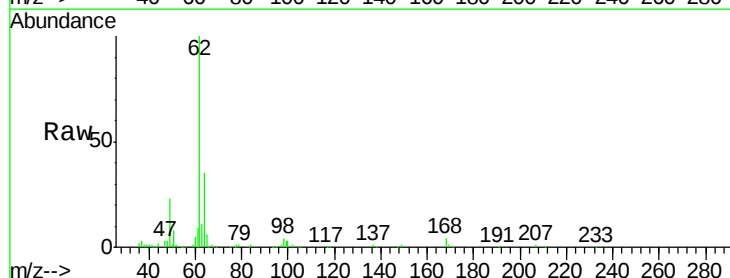
Acq: 19 Jun 2018 17:47

Tgt Ion: 62 Resp: 96987

Ion Ratio Lower Upper

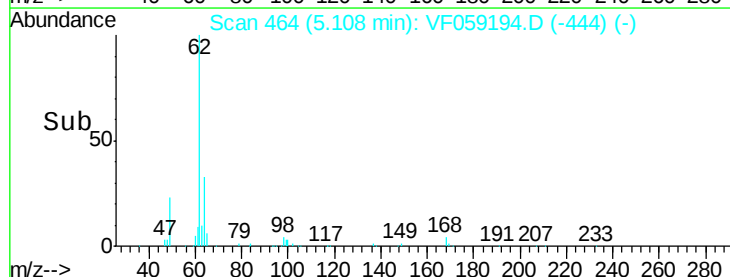
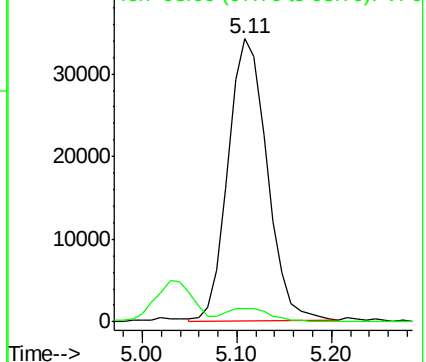
62 100

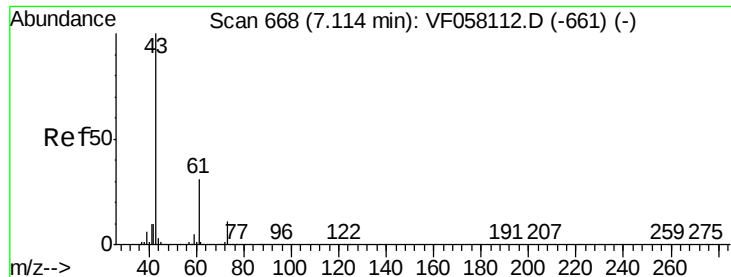
98 4.5 0.0 11.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 21.596 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

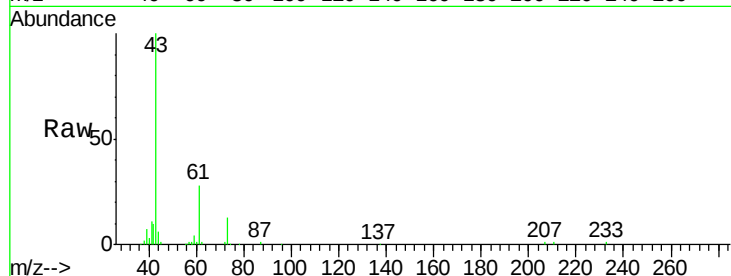
Tot Ion: 43 Resp: 70380

Ion Ratio Lower Upper

43 100

61 27.8 25.1 37.7

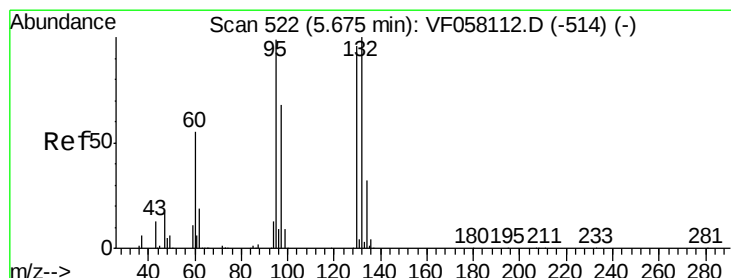
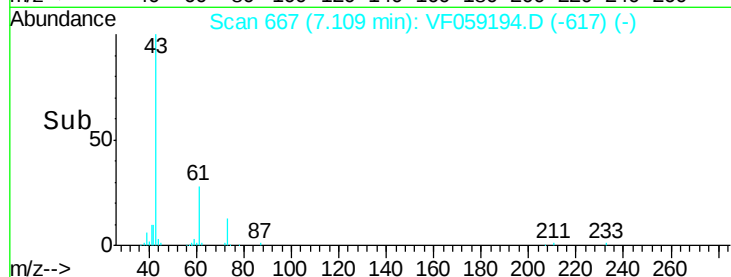
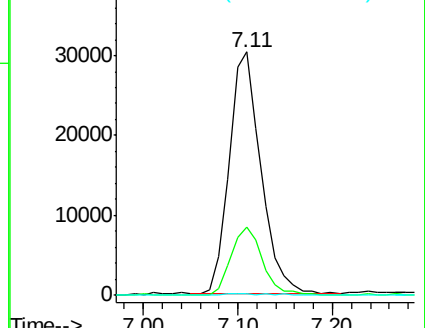
87 0.9 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 22.465 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.01 min

Lab File: VF059194.D

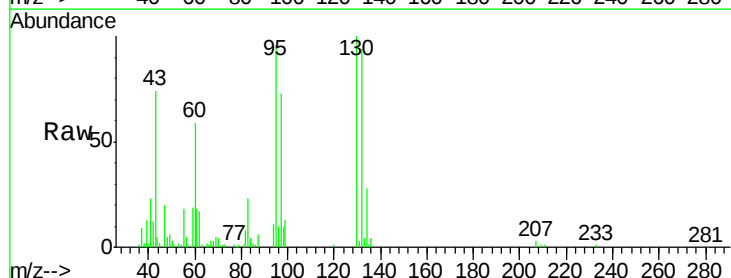
Acq: 19 Jun 2018 17:47

Tgt Ion:130 Resp: 64166

Ion Ratio Lower Upper

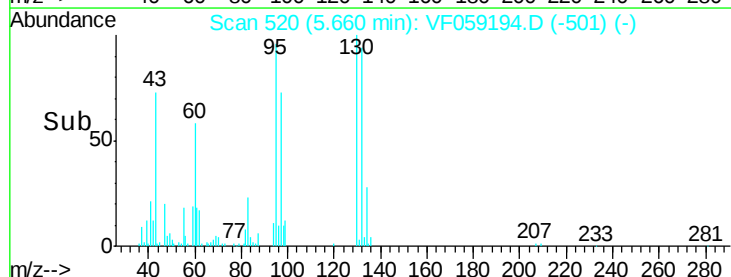
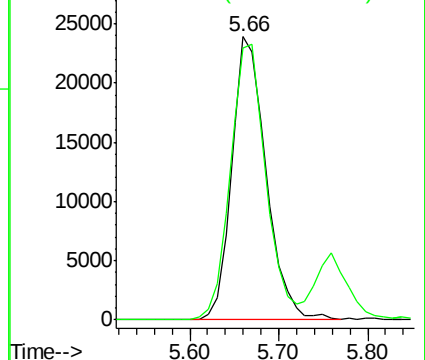
130 100

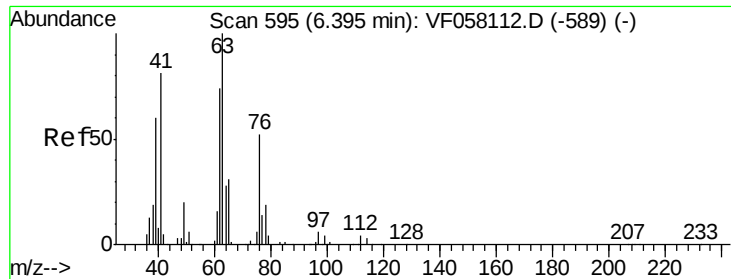
95 96.2 0.0 206.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.605 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

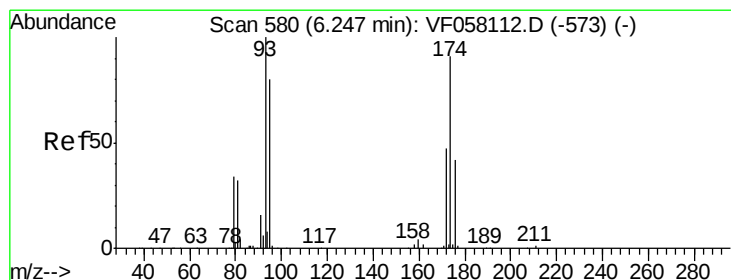
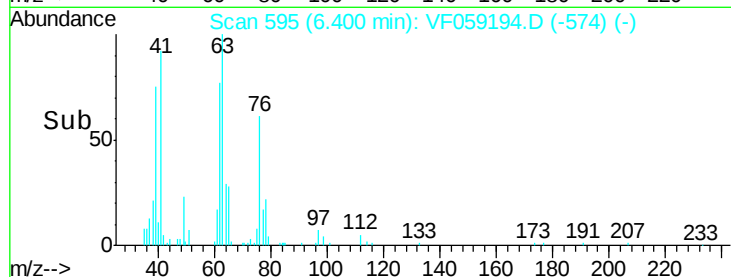
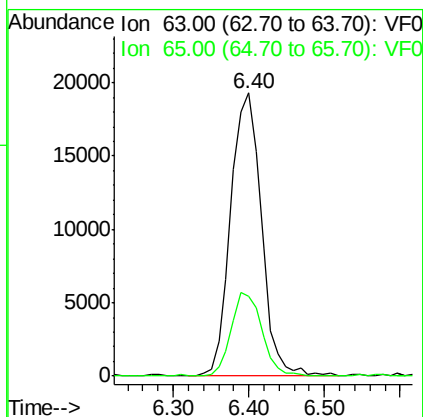
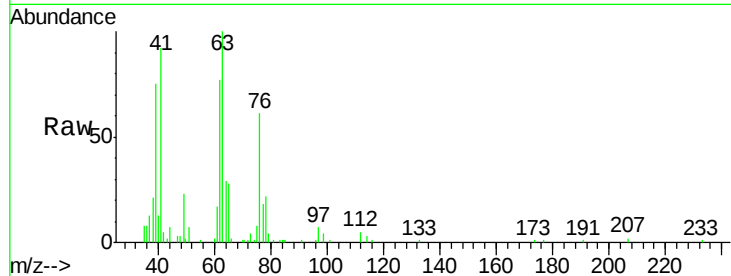
ClientSampleId :

Tot Ion: 63 Resp: 54310

Ion Ratio Lower Upper

63 100

65 28.4 24.6 37.0



#46

Dibromomethane

Concen: 22.206 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

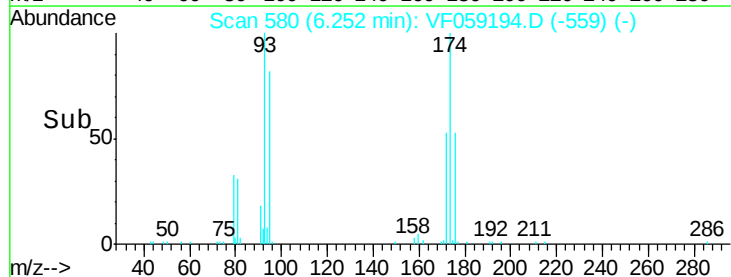
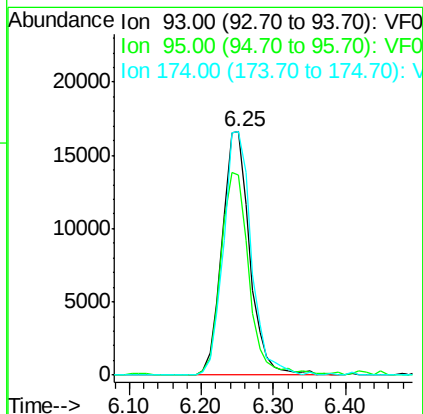
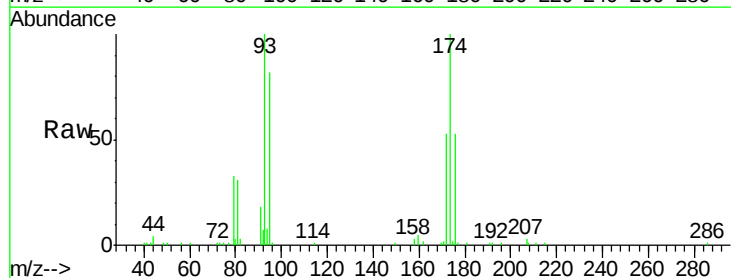
Tgt Ion: 93 Resp: 44036

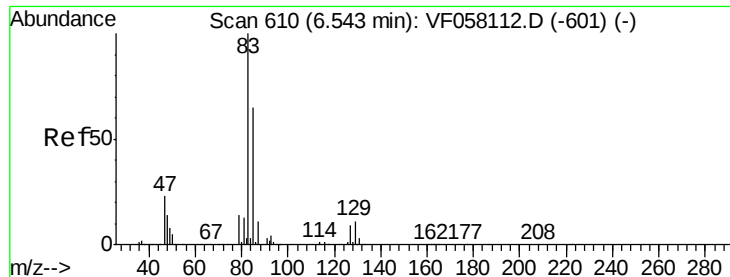
Ion Ratio Lower Upper

93 100

95 82.1 64.2 96.4

174 100.1 72.7 109.1





#47

Bromodichloromethane

Concen: 22.970 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :
MSVOA_F
ClientSampleId :

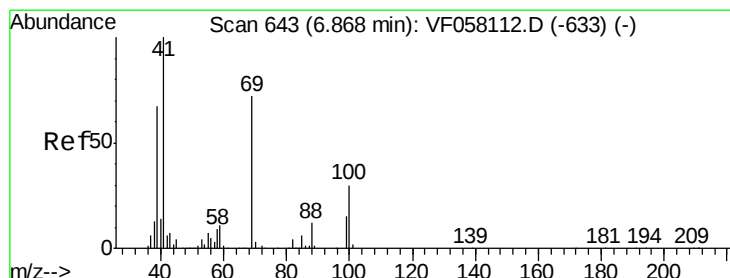
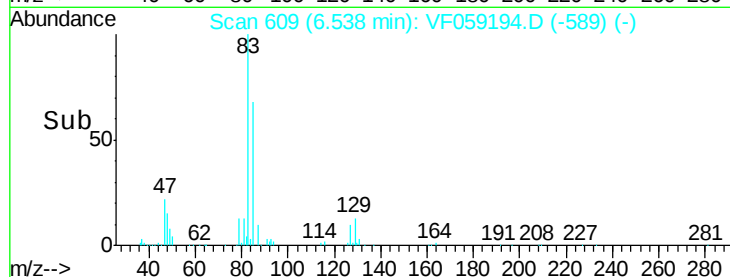
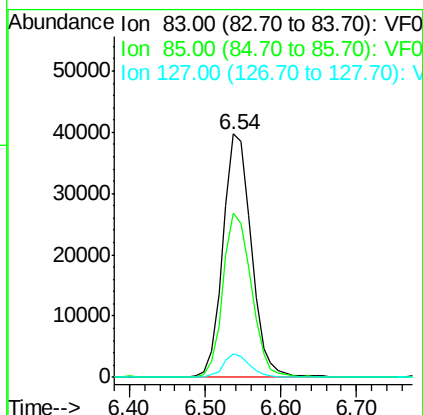
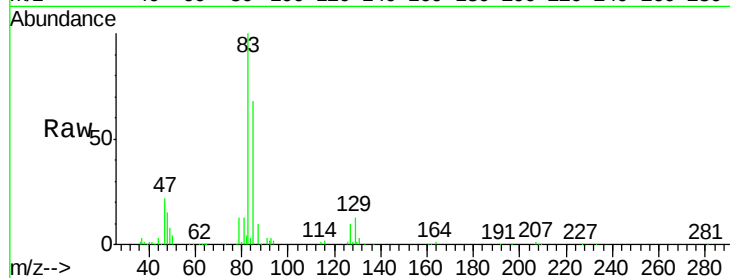
Tot Ion: 83 Resp: 103630

Ion Ratio Lower Upper

83 100

85 67.6 51.6 77.4

127 9.7 7.2 10.8



#48

Methyl methacrylate

Concen: 22.739 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

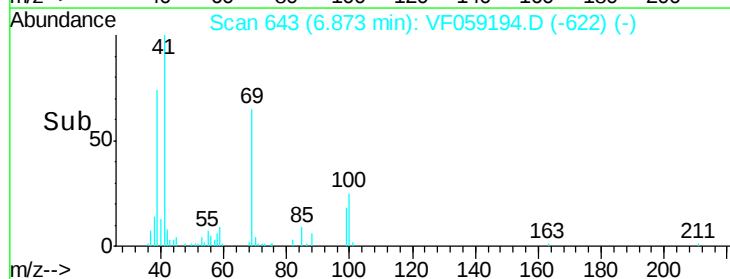
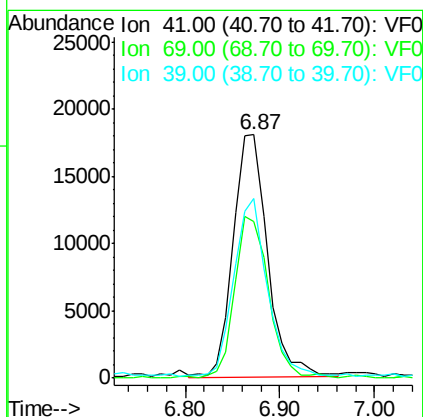
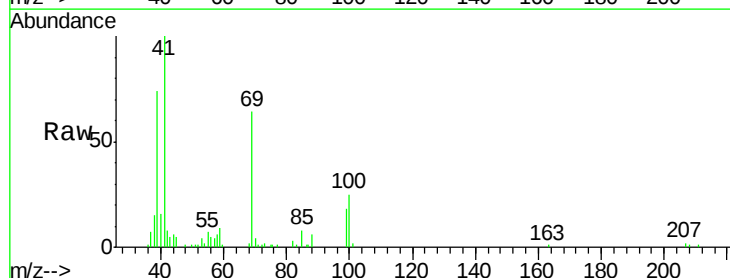
Tgt Ion: 41 Resp: 45684

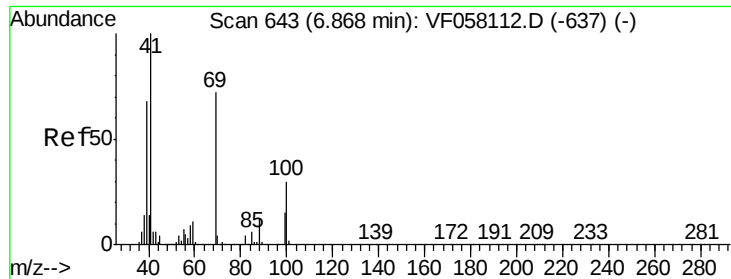
Ion Ratio Lower Upper

41 100

69 64.1 57.2 85.8

39 73.8 54.3 81.5

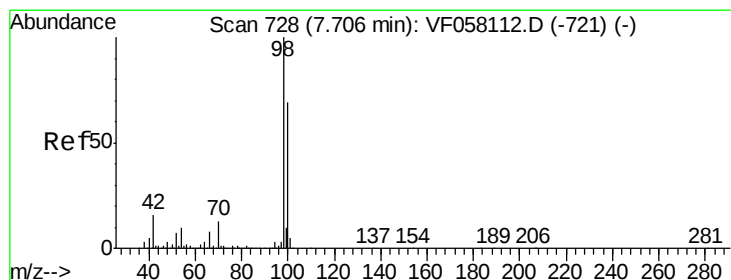
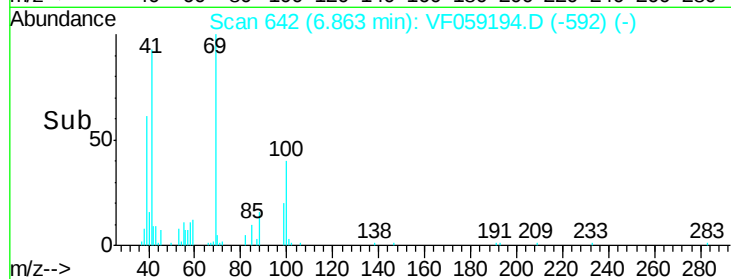
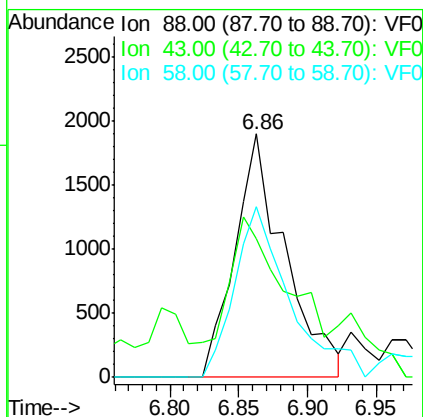
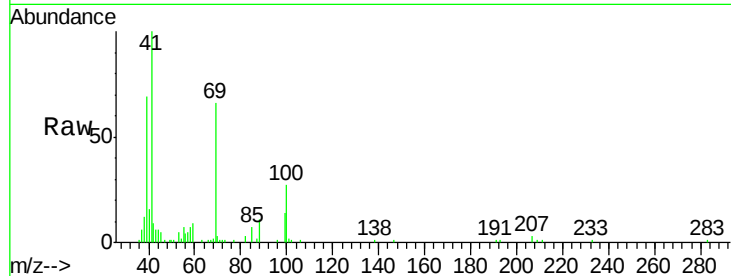




#49
1,4-Dioxane
Concen: 312.920 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

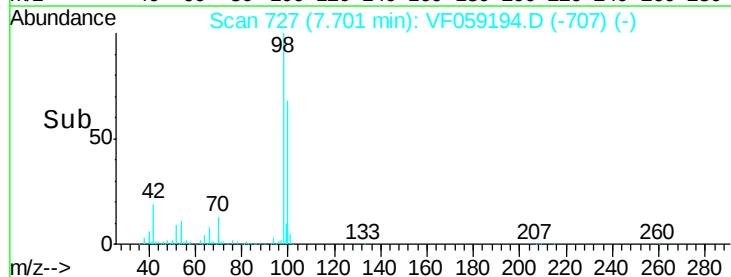
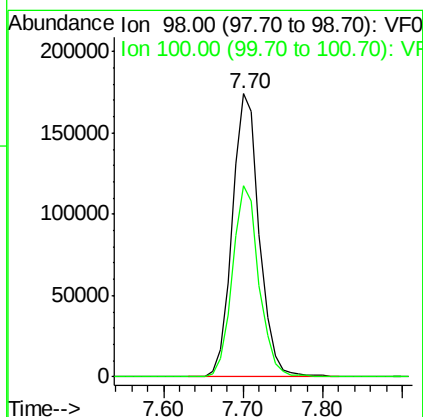
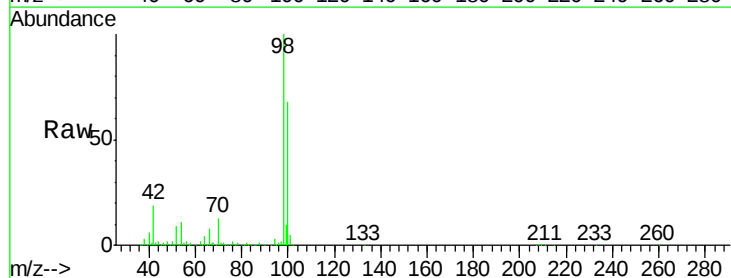
Instrument :
MSVOA_F
ClientSampleId :

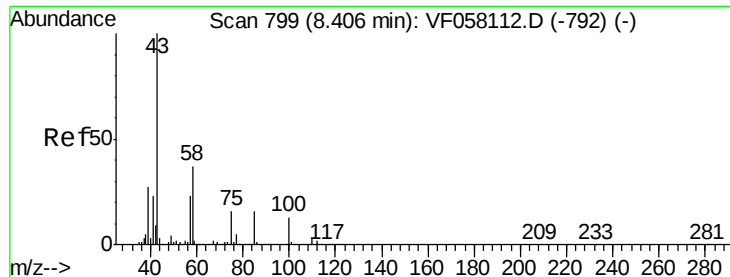
Tot Ion: 88 Resp: 4794
Ion Ratio Lower Upper
88 100
43 56.8 47.8 71.8
58 70.2 59.4 89.0



#50
Toluene-d8
Concen: 49.233 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

Tgt Ion: 98 Resp: 412351
Ion Ratio Lower Upper
98 100
100 67.7 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 111.427 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

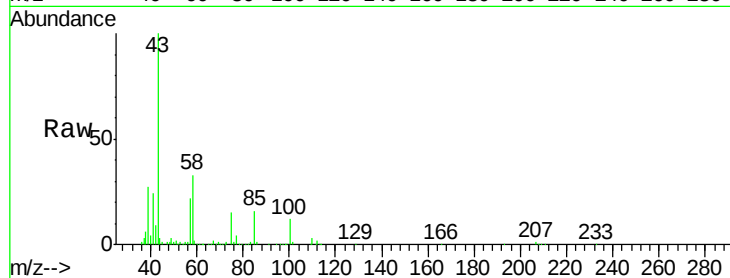
ClientSampled :

Tot Ion: 43 Resp: 248892

Ion Ratio Lower Upper

43 100

58 33.2 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

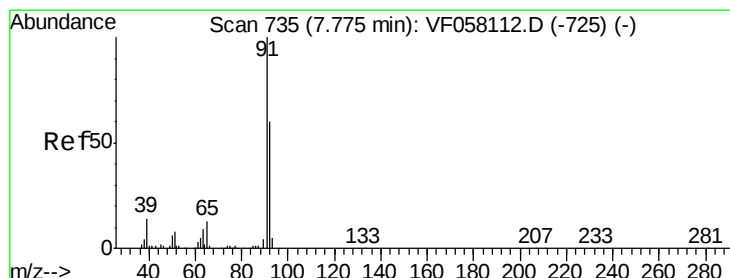
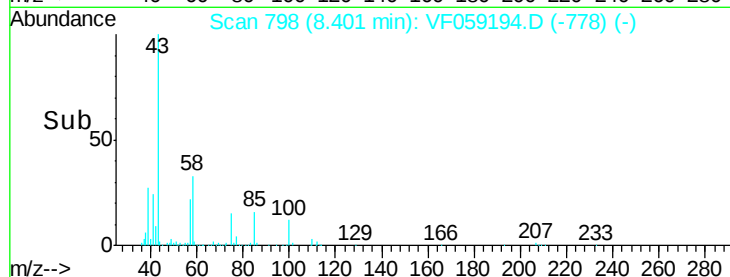
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 19.706 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059194.D

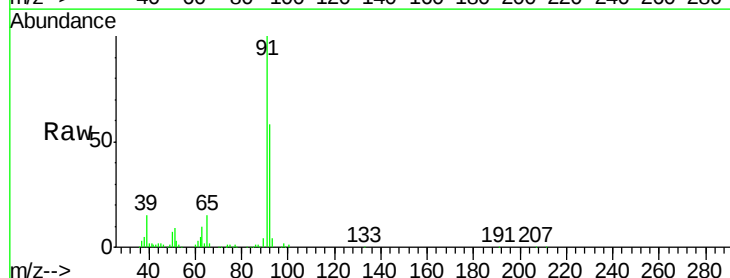
Acq: 19 Jun 2018 17:47

Tgt Ion: 92 Resp: 129749

Ion Ratio Lower Upper

92 100

91 172.1 132.9 199.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

100000

80000

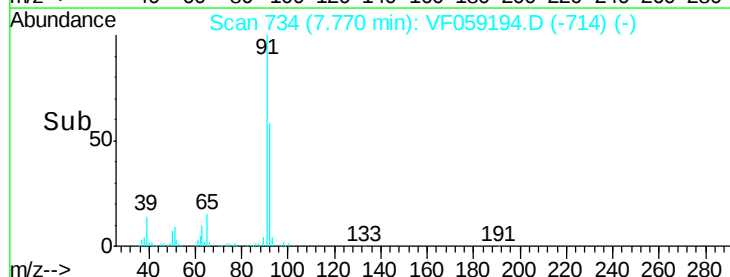
60000

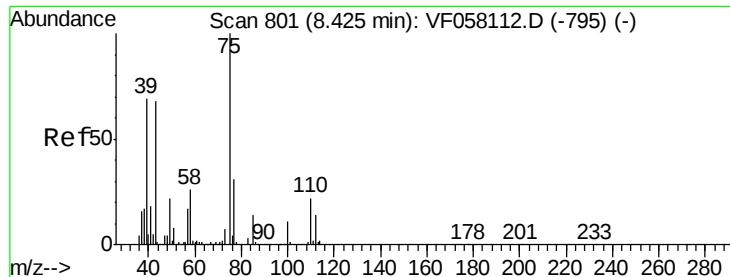
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.883 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

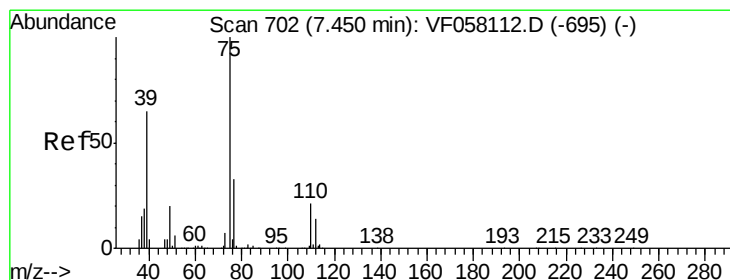
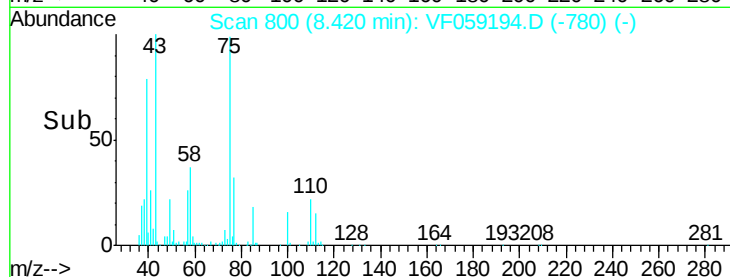
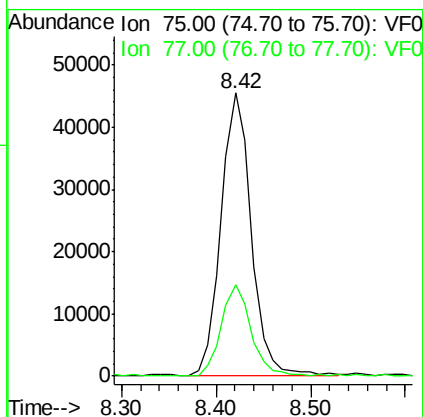
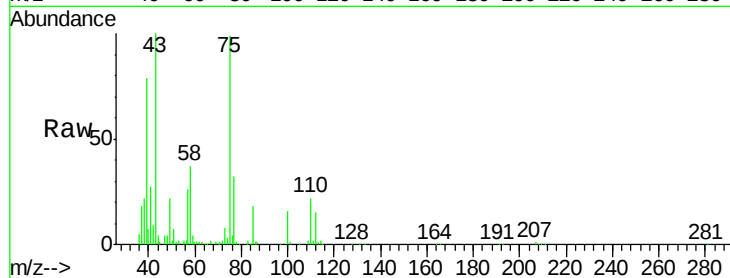
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 99980

Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 21.263 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

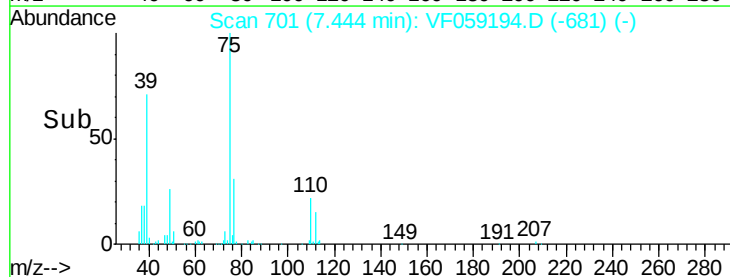
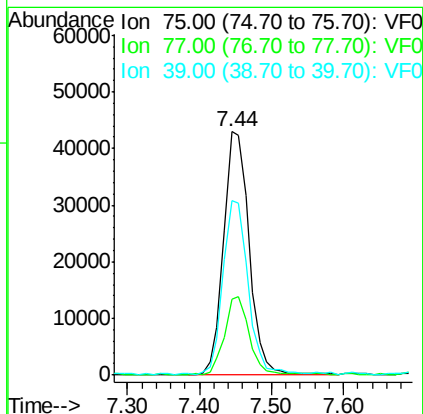
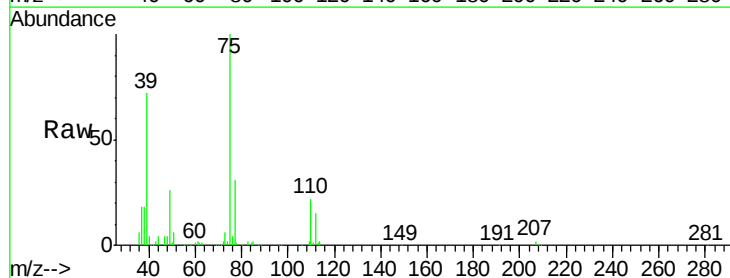
Tgt Ion: 75 Resp: 106717

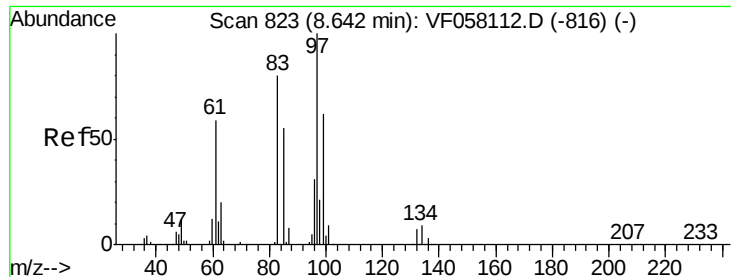
Ion Ratio Lower Upper

75 100

77 31.0 26.3 39.5

39 71.5 52.1 78.1

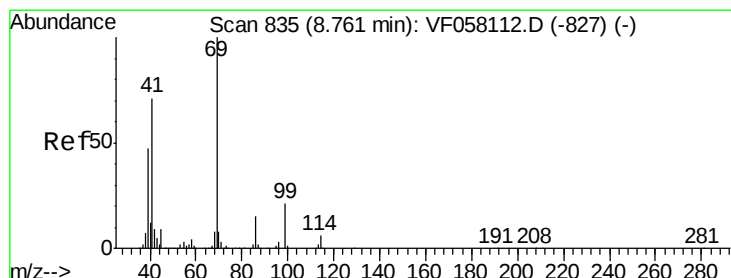
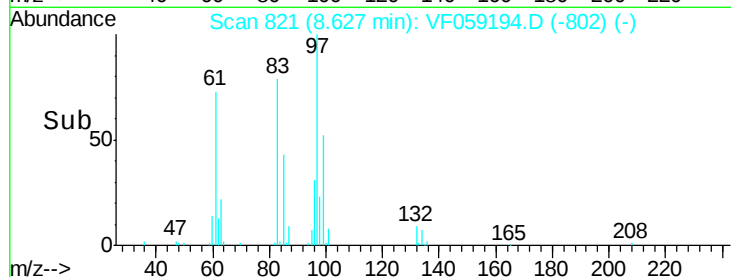
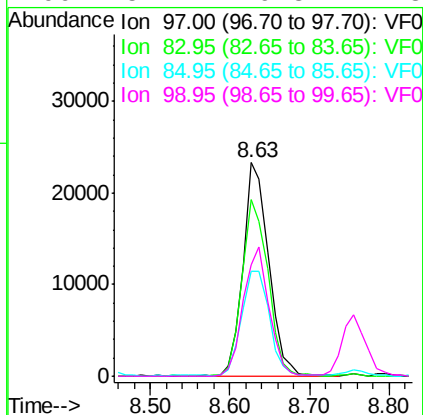
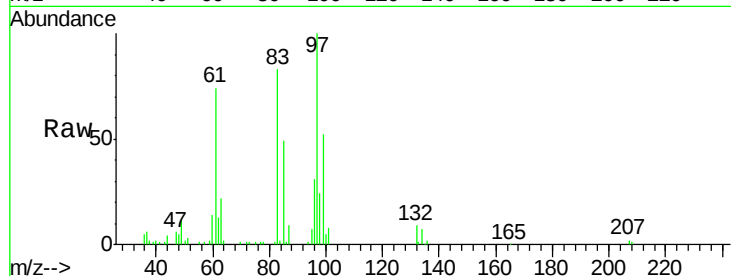




#55
 1,1,2-Trichloroethane
 Concen: 21.777 ug/l
 RT: 8.63 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: VF059194.D
 Acq: 19 Jun 2018 17:47

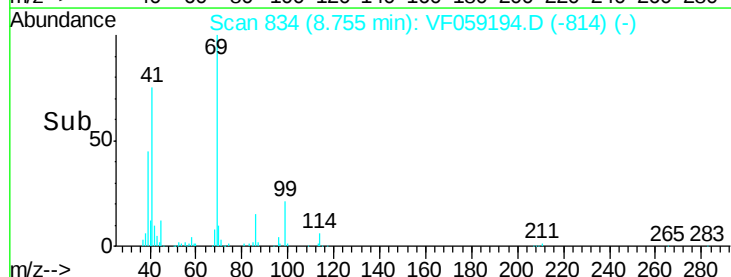
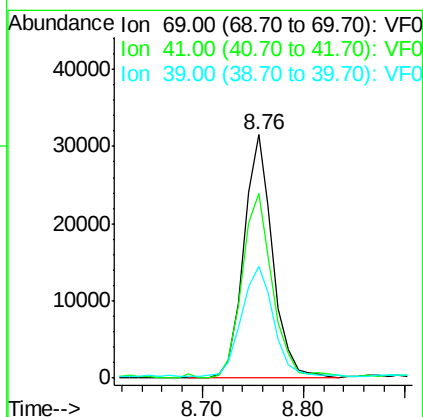
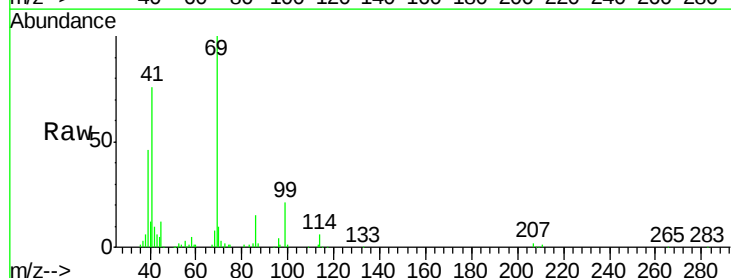
Instrument :
 MSVOA_F
 ClientSampleId :

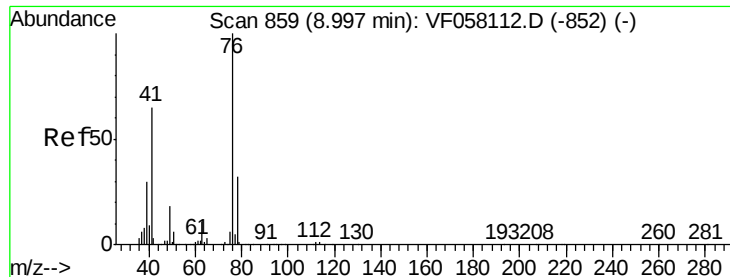
Tot Ion:	97	Resp:	51959
Ion	Ratio	Lower	Upper
97	100		
83	82.8	64.3	96.5
85	48.9	43.8	65.8
99	52.1	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 20.825 ug/l
 RT: 8.76 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VF059194.D
 Acq: 19 Jun 2018 17:47

Tgt Ion:	69	Resp:	62631
Ion	Ratio	Lower	Upper
69	100		
41	76.1	56.9	85.3
39	46.0	38.0	57.0





#57

1,3-Dichloropropane

Concen: 21.620 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

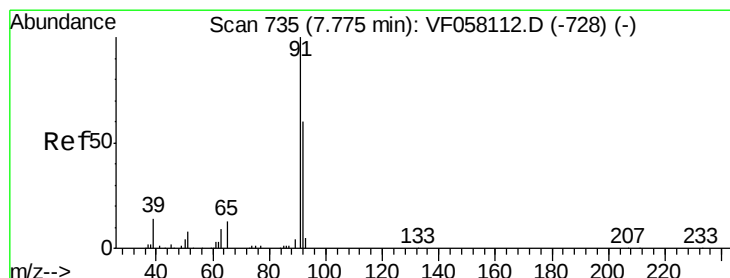
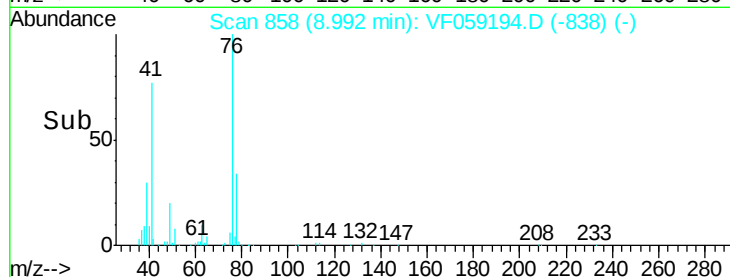
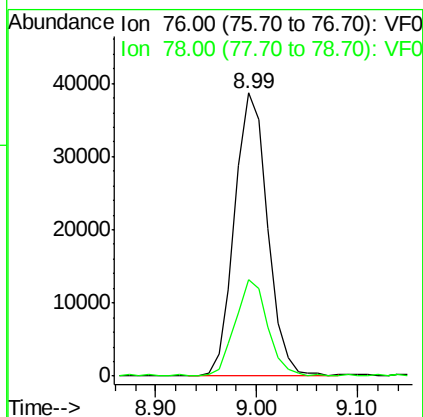
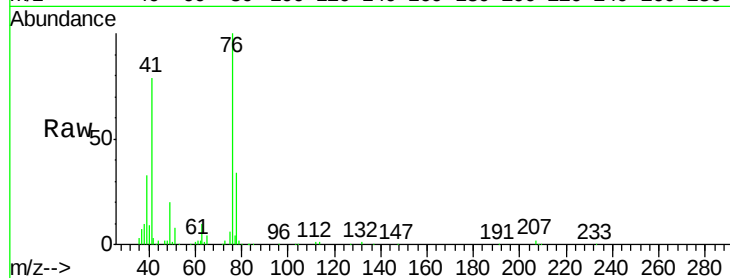
ClientSampleId :

Tot Ion: 76 Resp: 88239

Ion Ratio Lower Upper

76 100

78 34.2 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 103.123 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059194.D

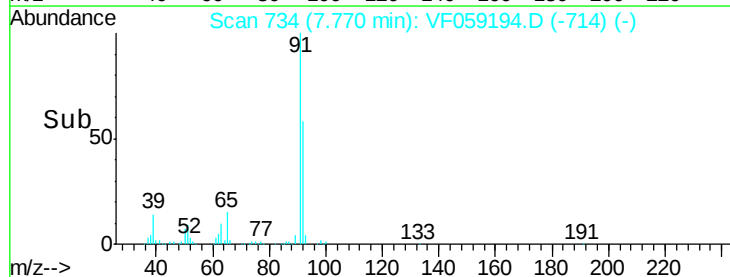
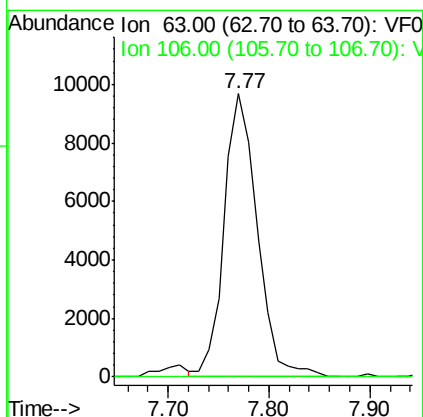
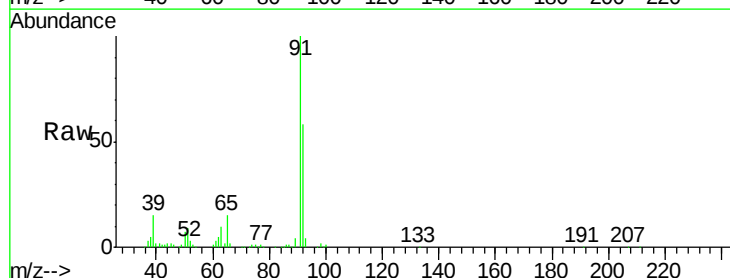
Acq: 19 Jun 2018 17:47

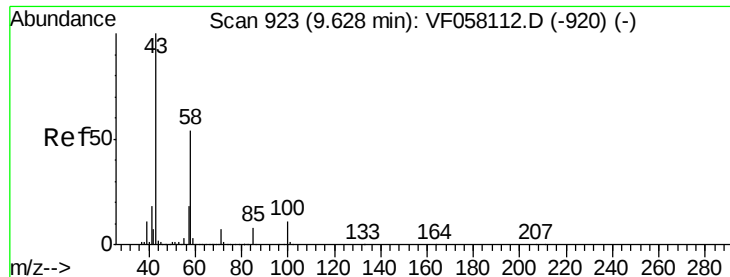
Tgt Ion: 63 Resp: 22176

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

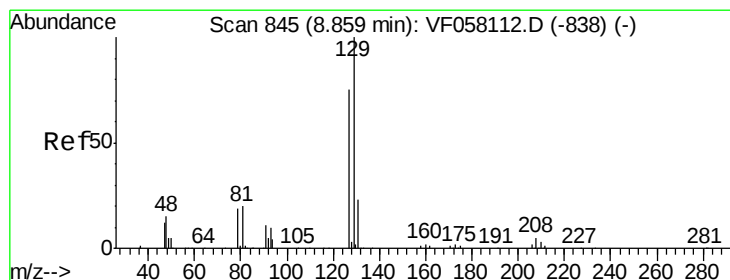
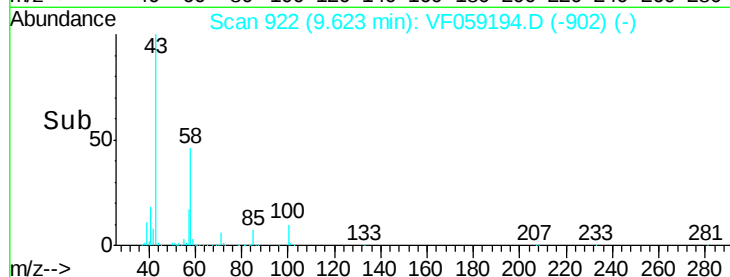
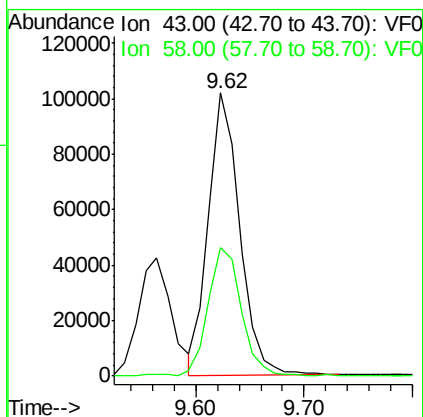
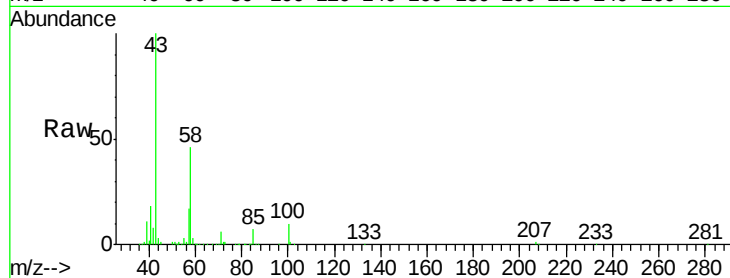




#59
2-Hexanone
Concen: 115.986 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

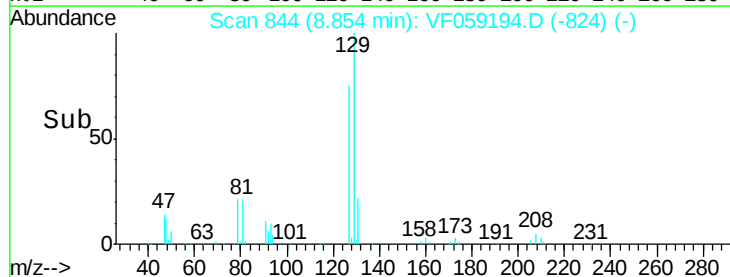
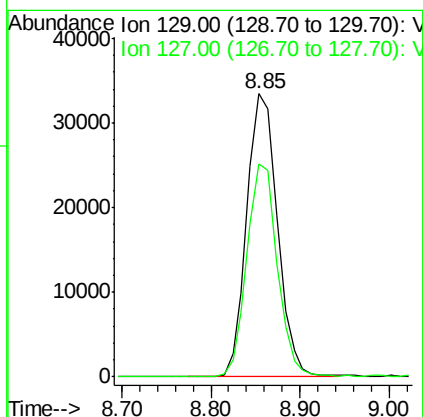
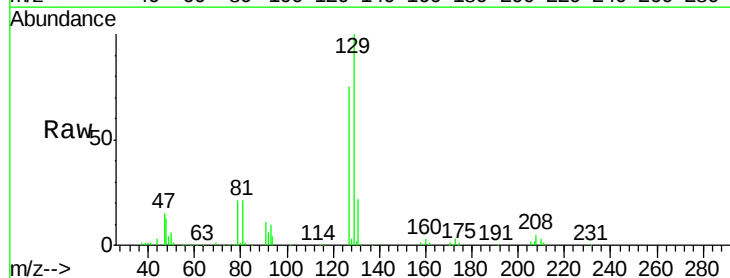
Instrument :
MSVOA_F
ClientSampleId :

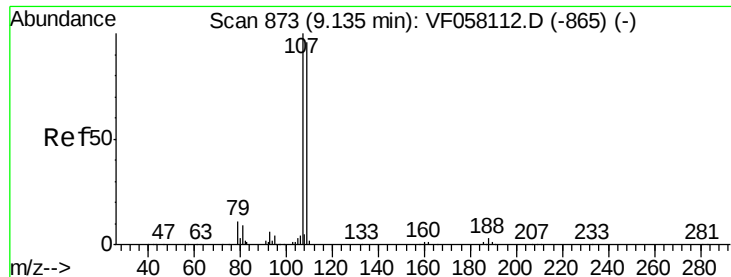
Tot Ion: 43 Resp: 204928
Ion Ratio Lower Upper
43 100
58 45.6 26.3 78.8



#60
Dibromochloromethane
Concen: 23.257 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

Tgt Ion: 129 Resp: 79738
Ion Ratio Lower Upper
129 100
127 75.1 37.6 112.9





#61

1,2-Dibromoethane

Concen: 22.096 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

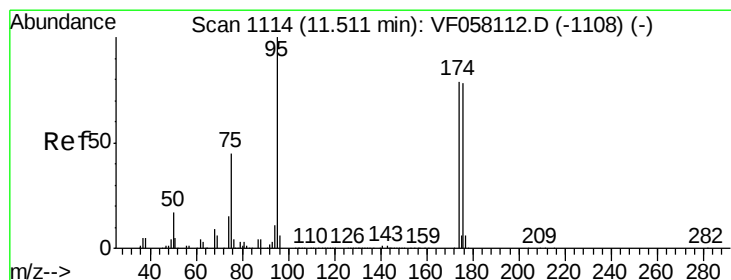
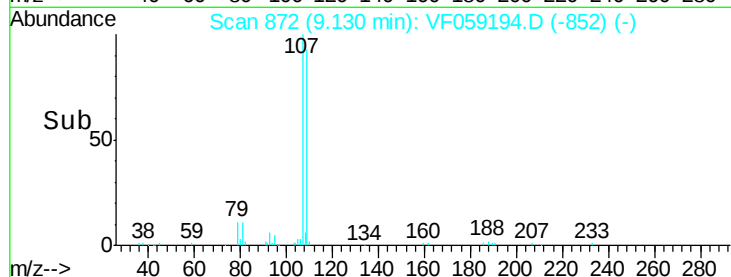
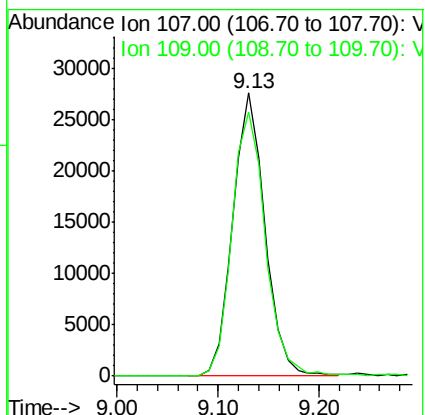
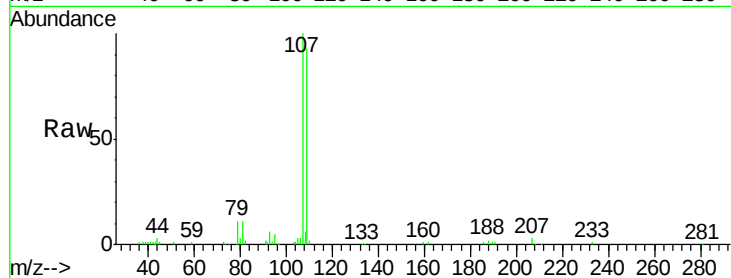
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 107 Resp: 61258

Ion Ratio Lower Upper

107 100

109 93.2 76.6 115.0



#62

4-Bromofluorobenzene

Concen: 49.842 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

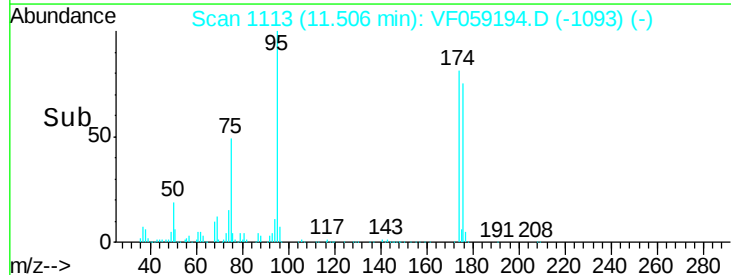
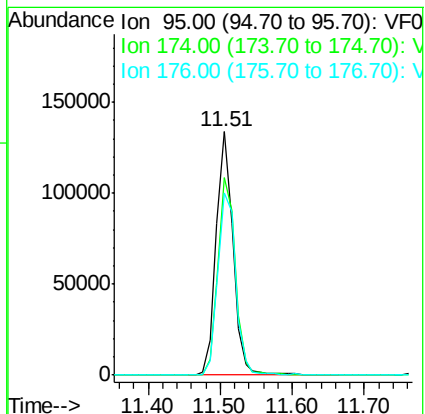
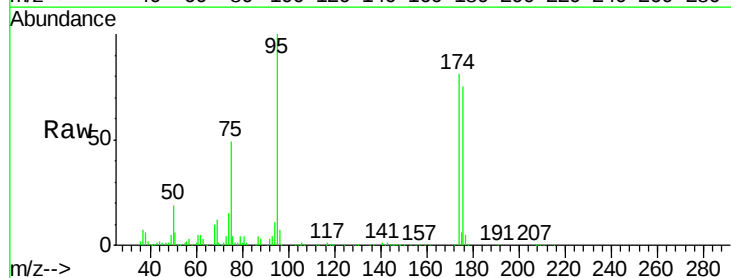
Tgt Ion: 95 Resp: 214111

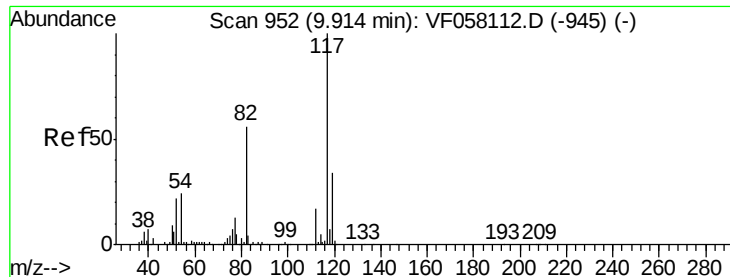
Ion Ratio Lower Upper

95 100

174 81.0 0.0 157.8

176 74.7 0.0 155.8

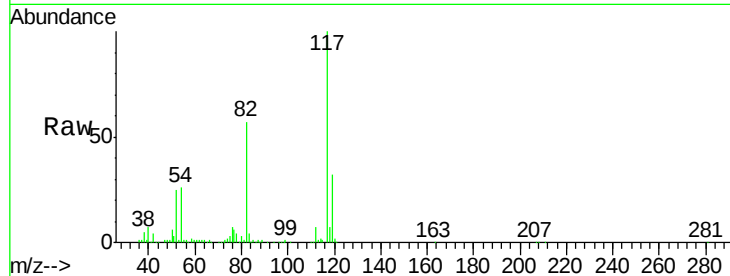




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.2	67.8
119	32.5	27.5	41.3

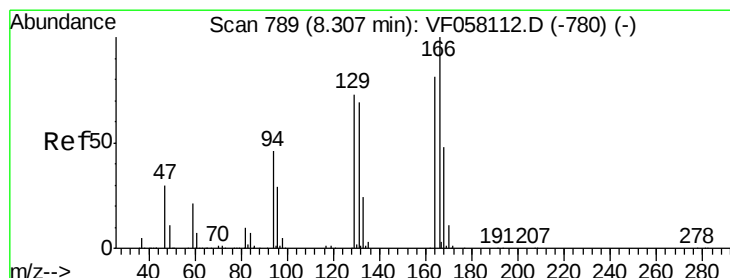
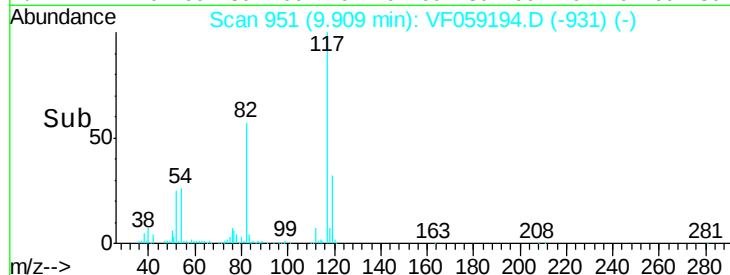
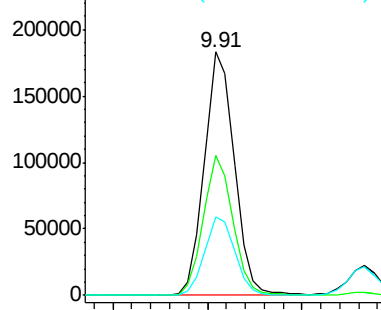


Abundance

Ion 117.00 (116.70 to 117.70): V

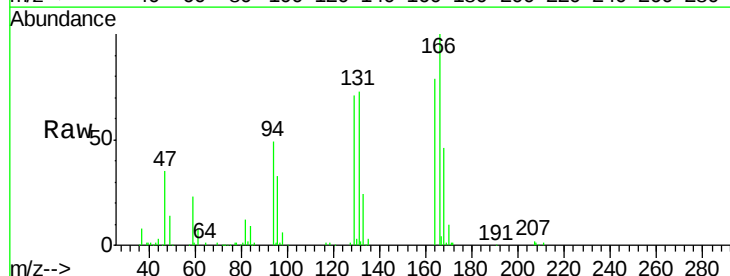
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 20.923 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	98.2	147.4
129	89.9	71.6	107.4
131	92.1	67.8	101.6



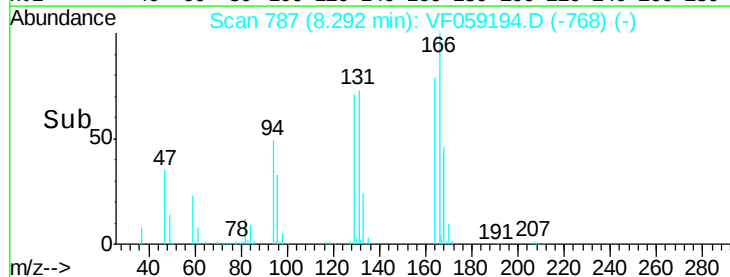
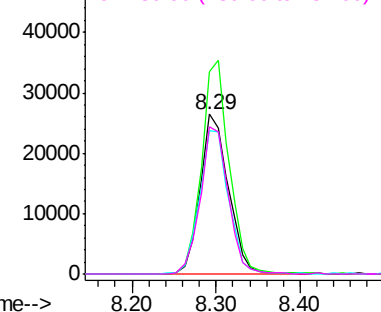
Abundance

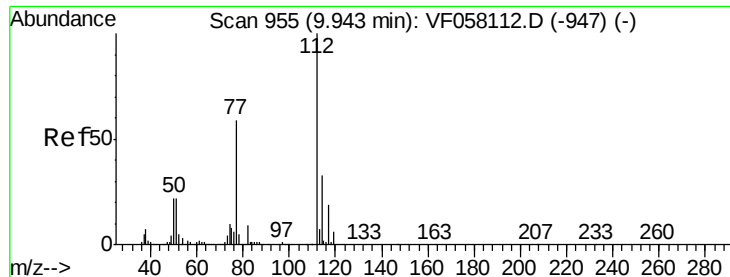
Ion 163.85 (163.55 to 164.55): V

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: 21.899 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

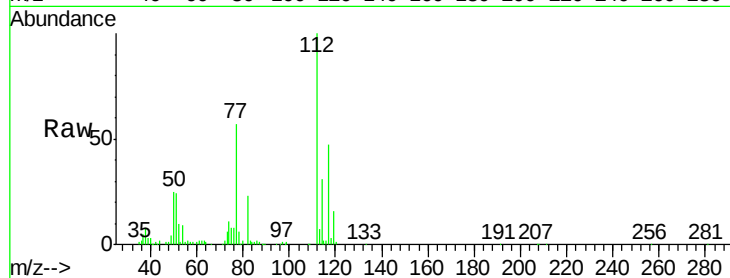
ClientSampleId :

Tot Ion:112 Resp: 174992

Ion Ratio Lower Upper

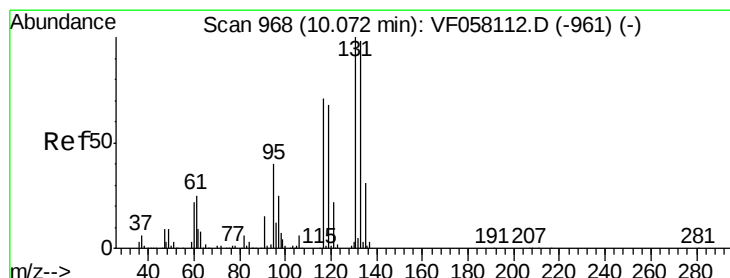
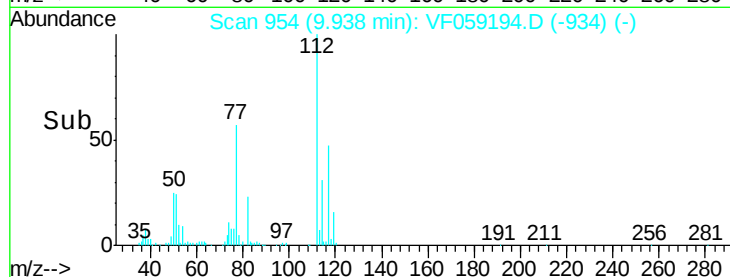
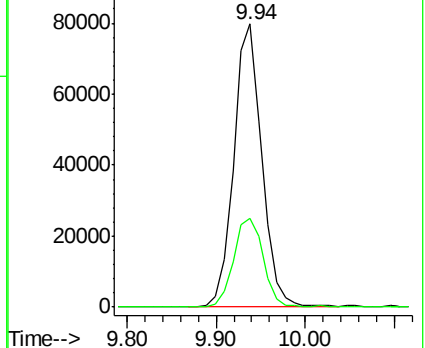
112 100

114 31.2 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: 23.134 ug/l

RT: 10.07 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

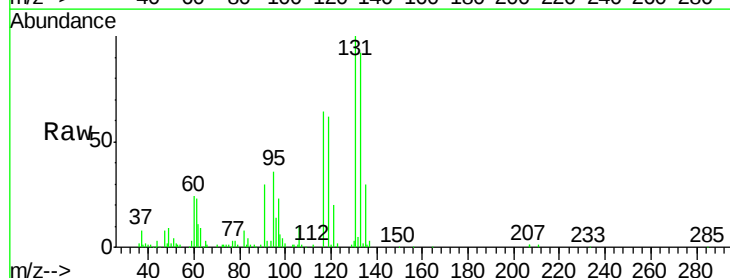
Tgt Ion:131 Resp: 73538

Ion Ratio Lower Upper

131 100

133 91.7 49.1 147.4

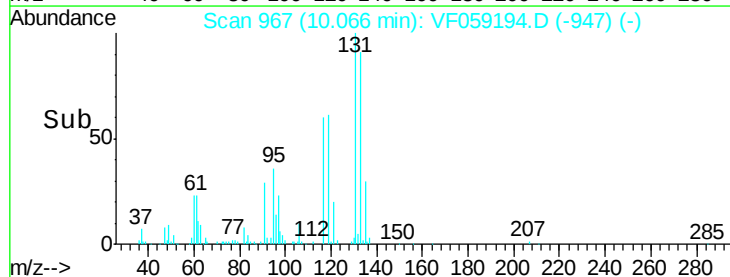
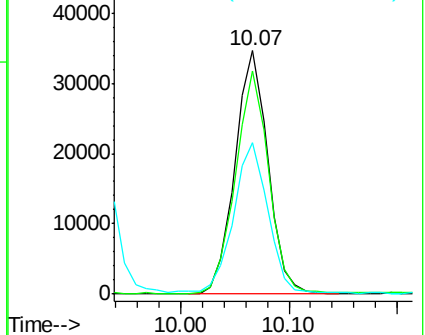
119 62.5 34.3 102.8

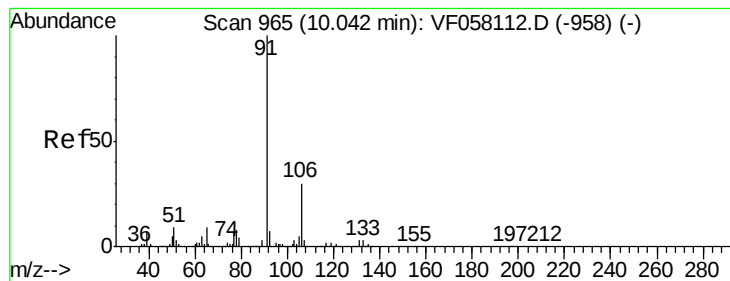


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.458 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

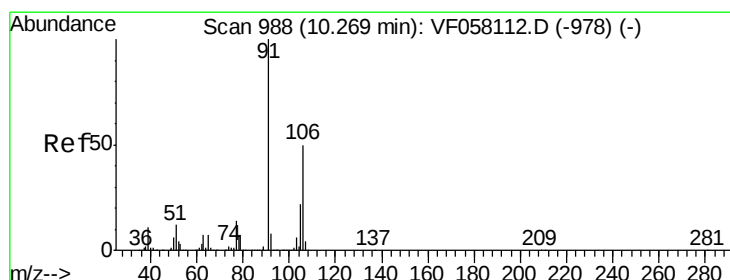
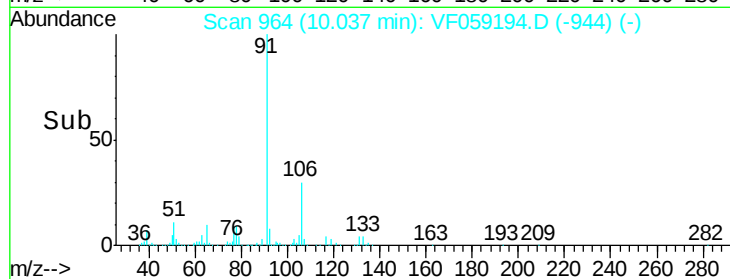
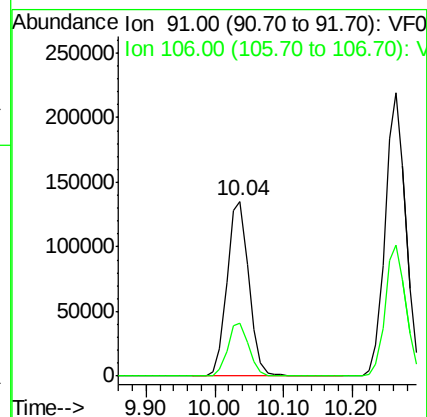
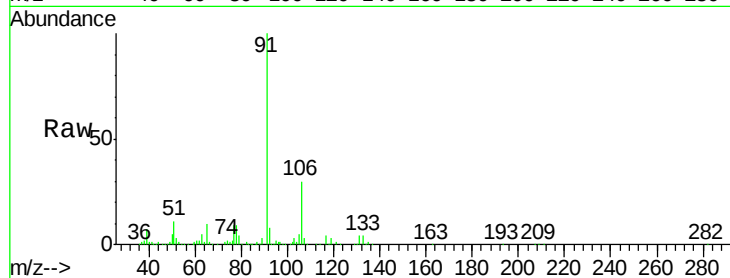
ClientSampleId :

Tot Ion: 91 Resp: 297944

Ion Ratio Lower Upper

91 100

106 30.0 24.2 36.4



#68

m/p-Xylenes

Concen: 41.277 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059194.D

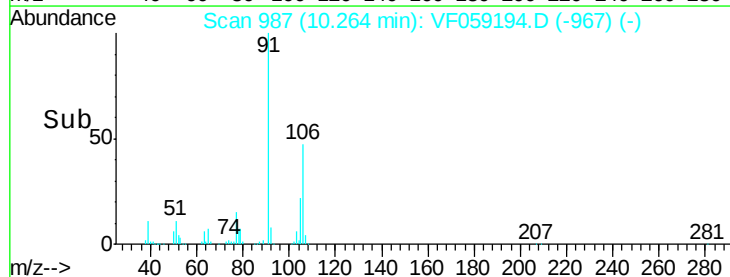
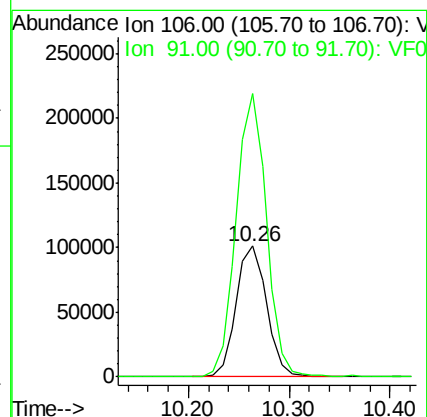
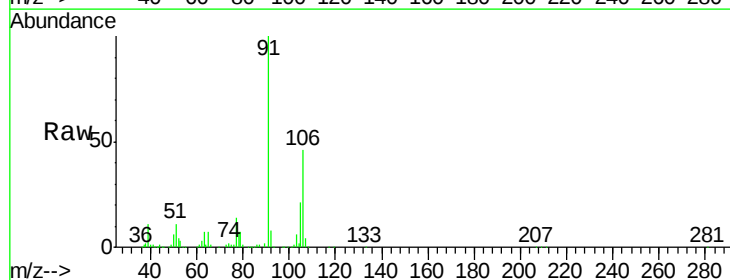
Acq: 19 Jun 2018 17:47

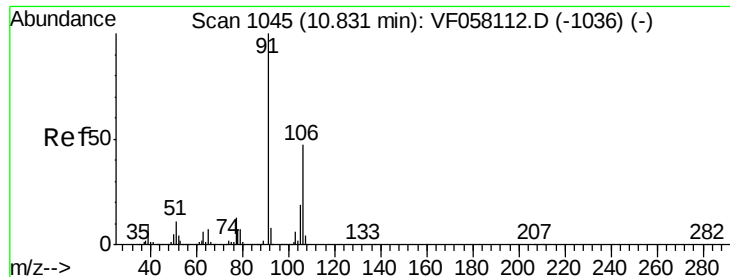
Tgt Ion: 106 Resp: 214578

Ion Ratio Lower Upper

106 100

91 216.5 160.7 241.1

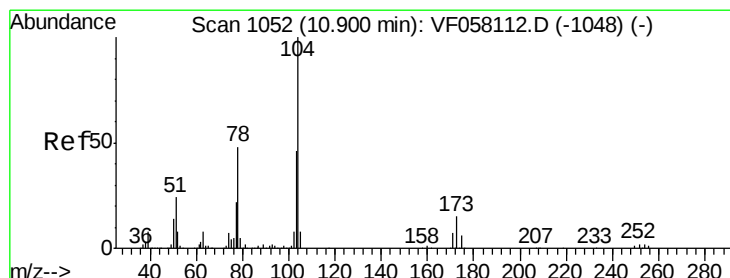
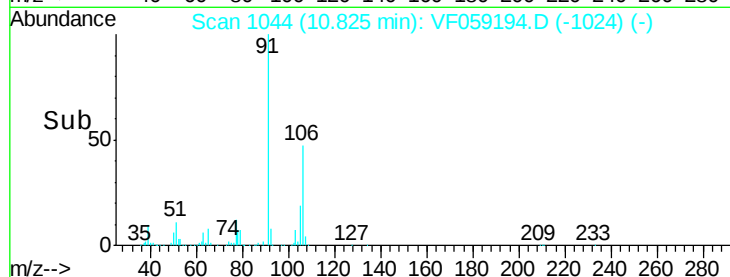
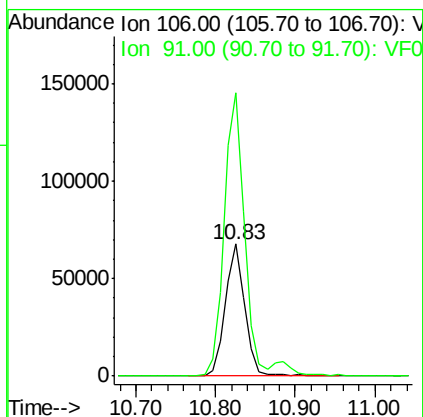
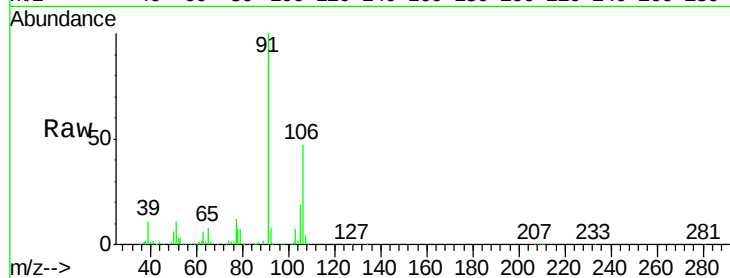




#69
o-Xylene
Concen: 20.905 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

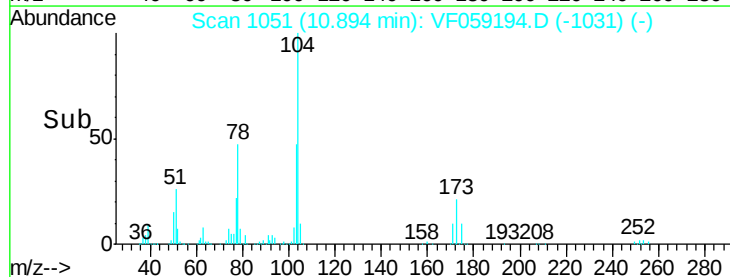
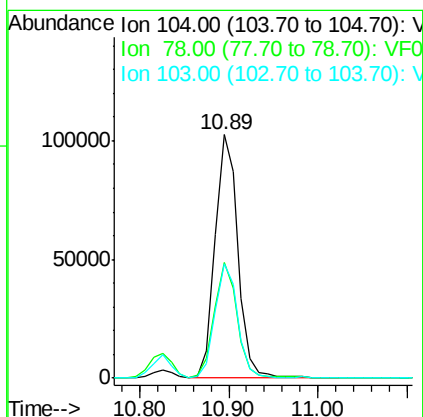
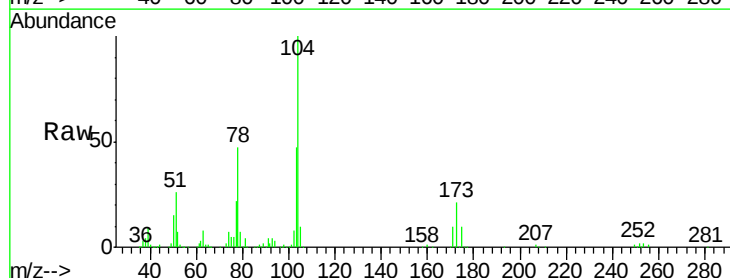
Instrument :
MSVOA_F
ClientSampleId :

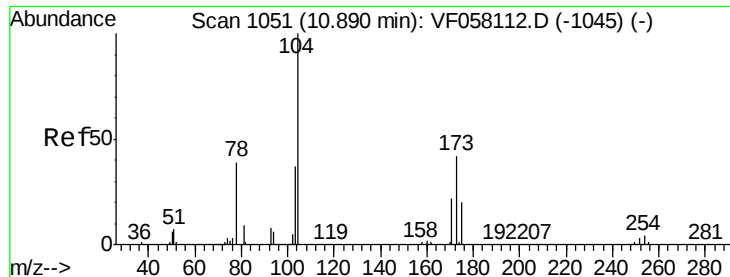
Tot Ion:106 Resp: 117450
Ion Ratio Lower Upper
106 100
91 214.9 107.0 321.0



#70
Styrene
Concen: 21.559 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

Tgt Ion:104 Resp: 183266
Ion Ratio Lower Upper
104 100
78 47.5 38.4 57.6
103 47.0 37.0 55.6





#71

Bromoform

Concen: 24.382 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

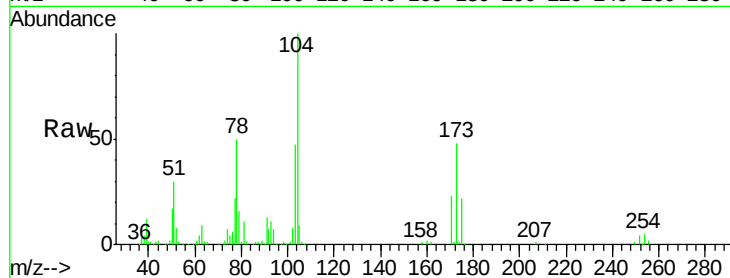
Tot Ion:173 Resp: 52633

Ion Ratio Lower Upper

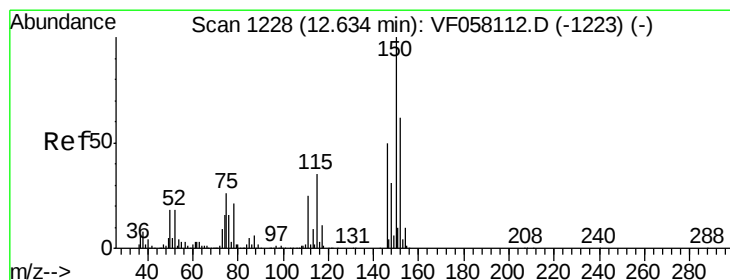
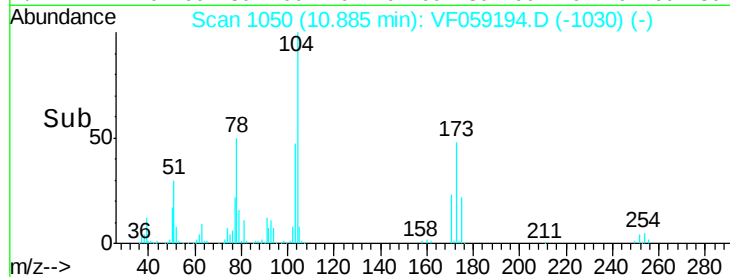
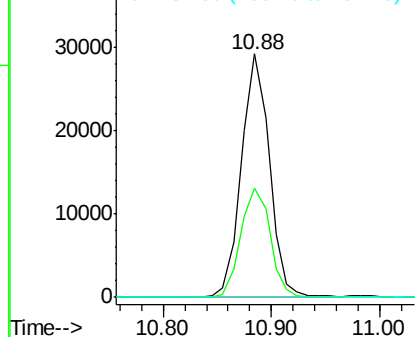
173 100

175 44.8 24.6 74.0

254 0.0 7.8 11.8#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

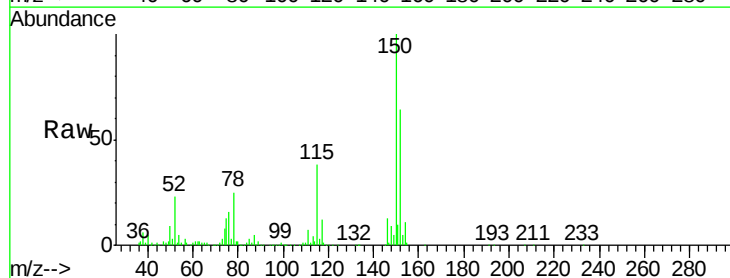
Tgt Ion:152 Resp: 240459

Ion Ratio Lower Upper

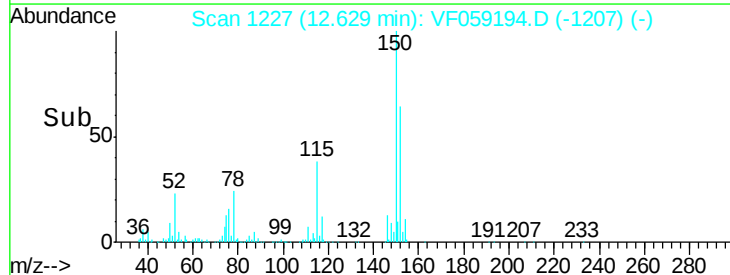
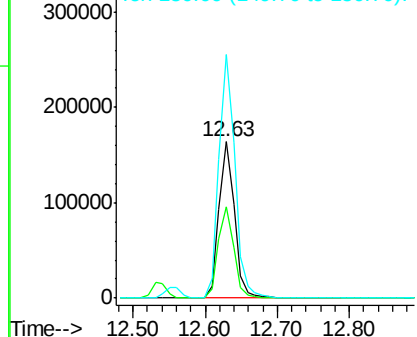
152 100

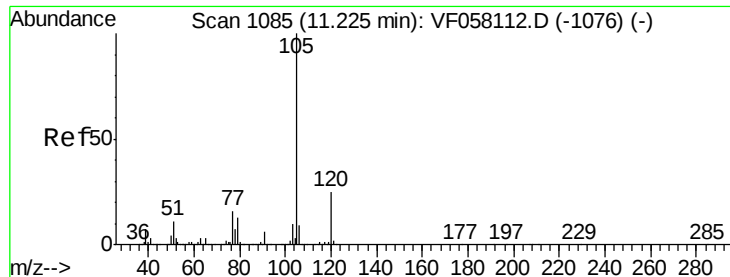
115 58.8 28.5 85.5

150 155.7 0.0 323.8



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





#73

Isopropylbenzene

Concen: 21.444 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

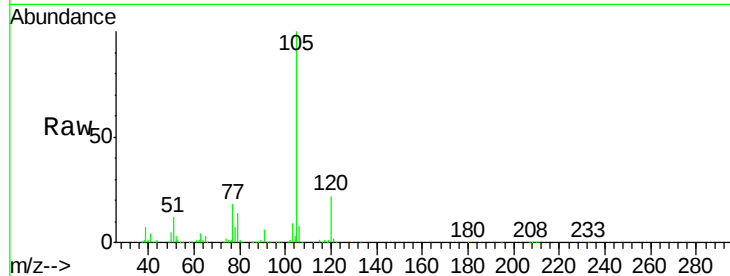
ClientSampleId :

Tot Ion:105 Resp: 357002

Ion Ratio Lower Upper

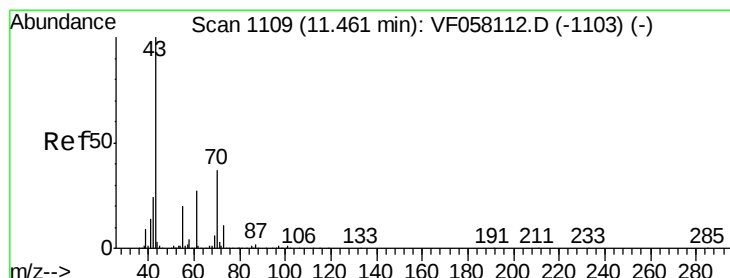
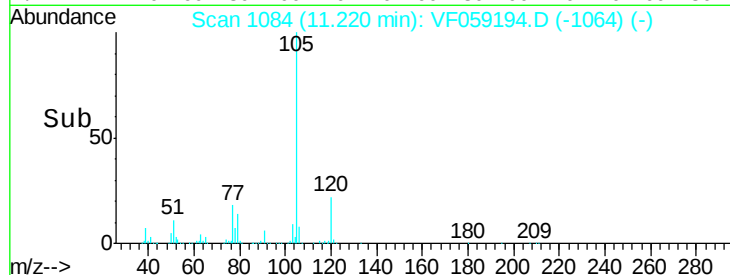
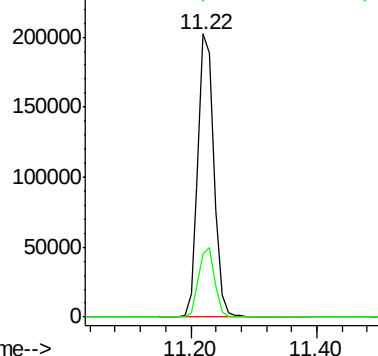
105 100

120 22.4 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.792 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Tgt Ion: 43 Resp: 123648

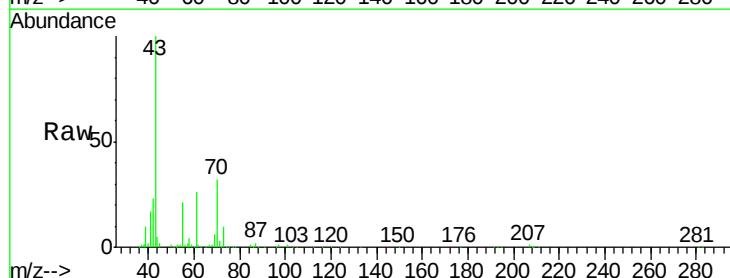
Ion Ratio Lower Upper

43 100

70 32.4 29.2 43.8

55 21.1 15.8 23.6

61 26.4 21.3 31.9

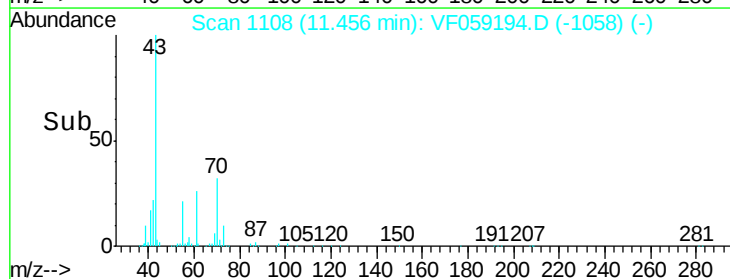
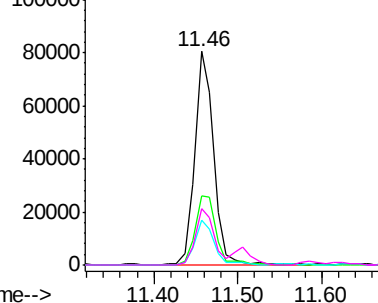


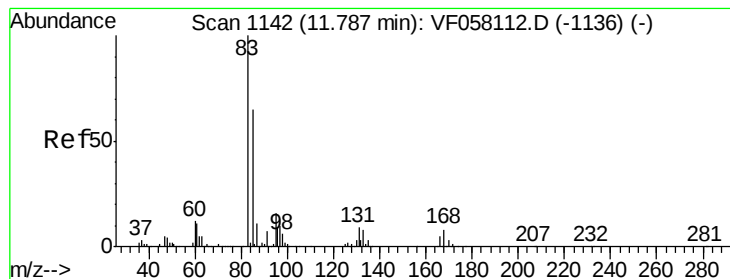
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.016 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

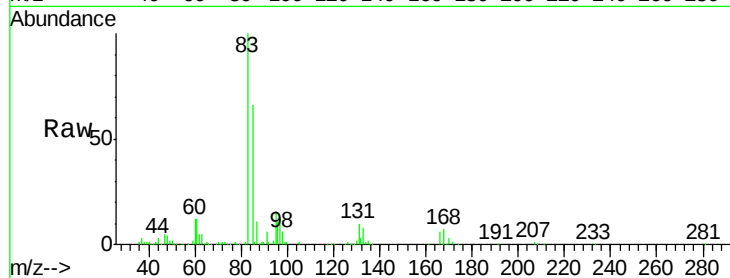
Tot Ion: 83 Resp: 82951

Ion Ratio Lower Upper

83 100

131 9.8 4.5 13.7

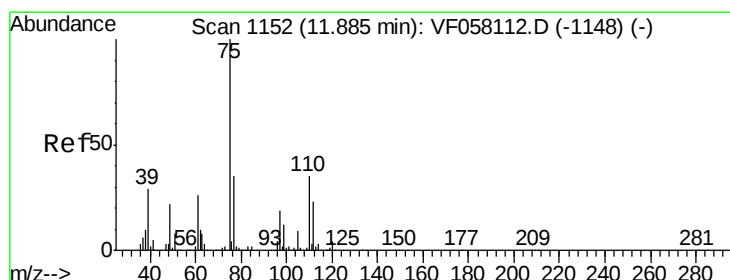
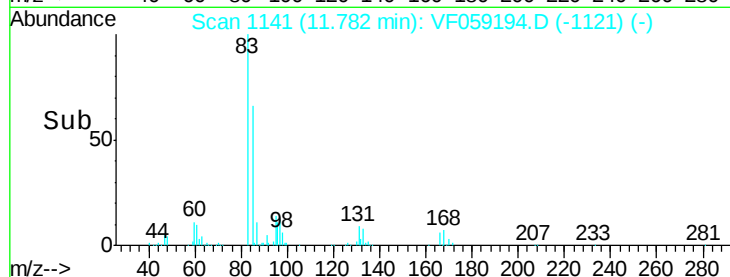
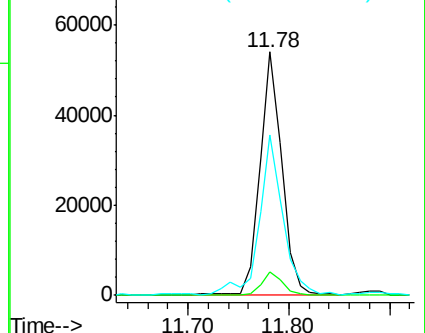
85 65.9 32.8 98.3



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: 20.952 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059194.D

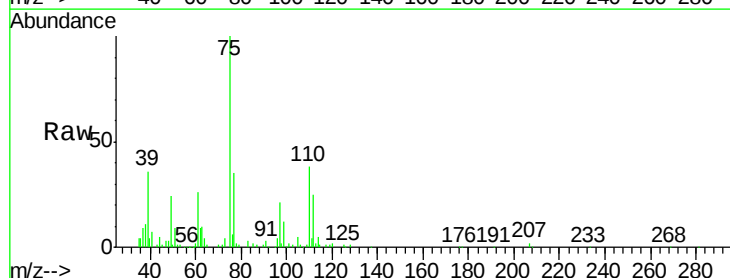
Acq: 19 Jun 2018 17:47

Tgt Ion: 75 Resp: 61074

Ion Ratio Lower Upper

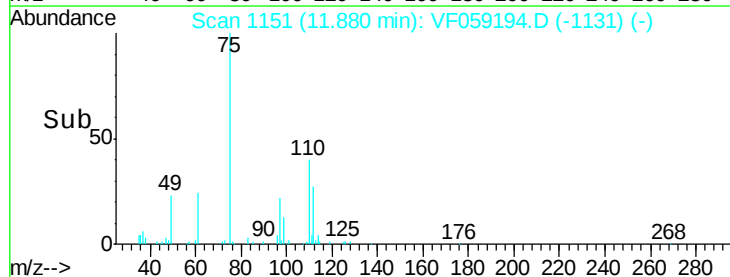
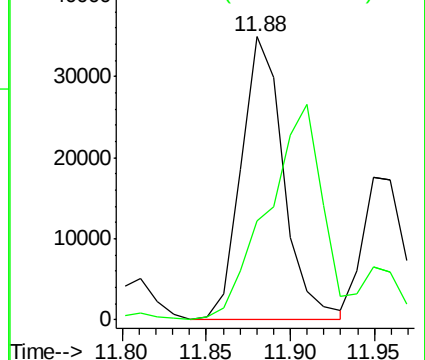
75 100

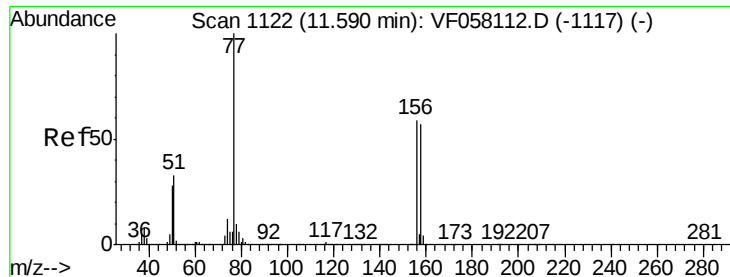
77 35.0 17.5 52.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.816 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

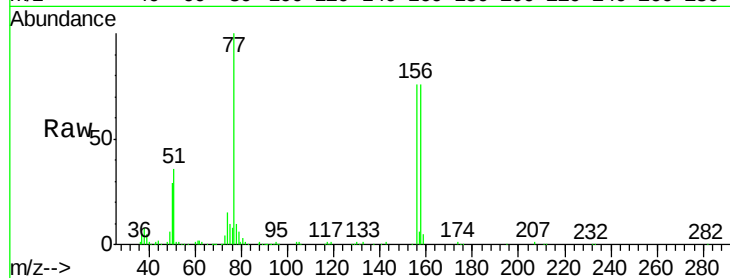
Tot Ion:156 Resp: 87218

Ion Ratio Lower Upper

156 100

77 132.1 84.8 254.4

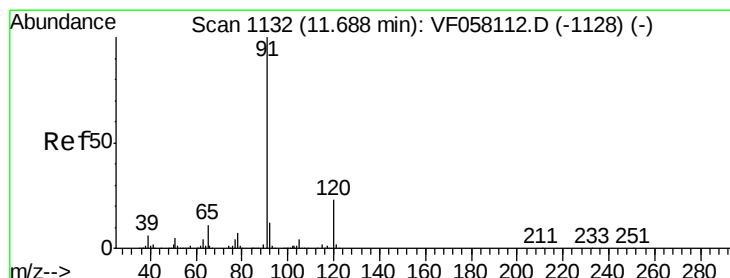
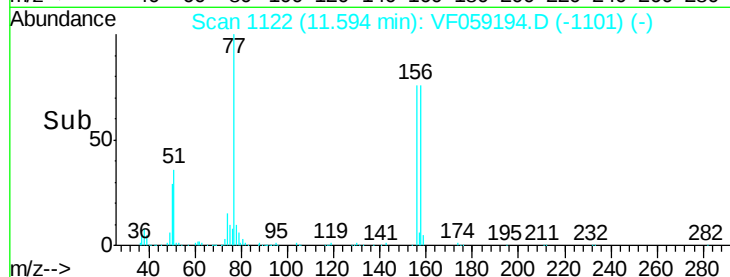
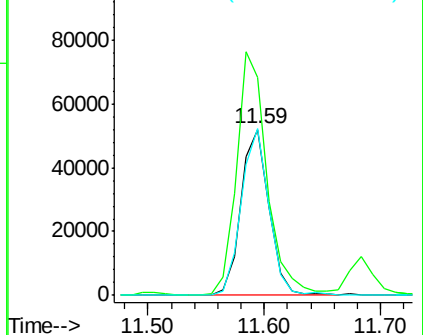
158 100.6 47.9 143.7



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: 20.592 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059194.D

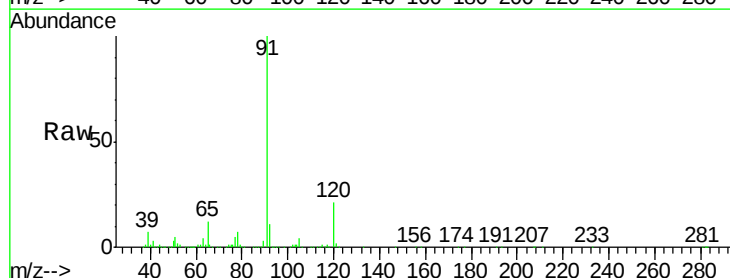
Acq: 19 Jun 2018 17:47

Tgt Ion: 91 Resp: 405768

Ion Ratio Lower Upper

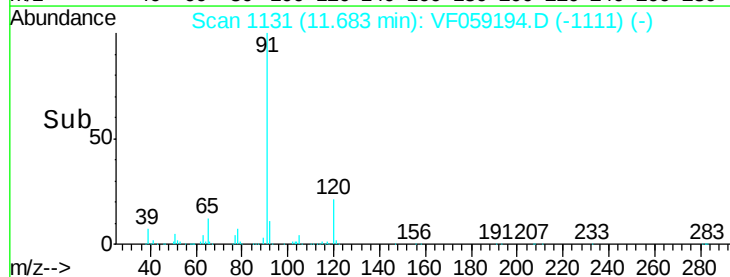
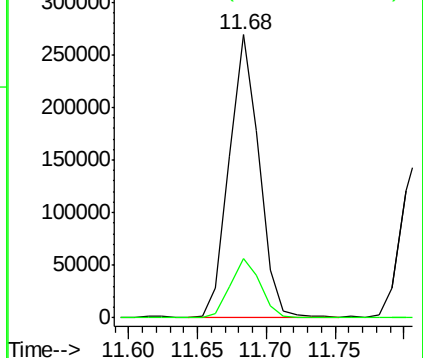
91 100

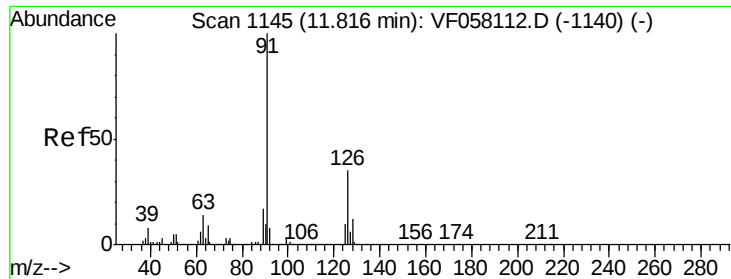
120 21.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

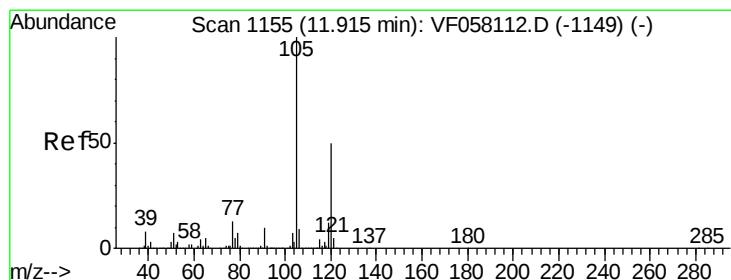
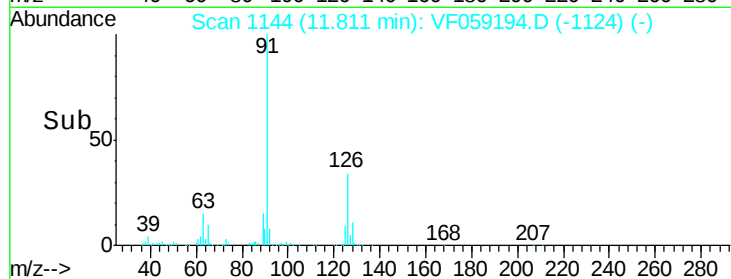
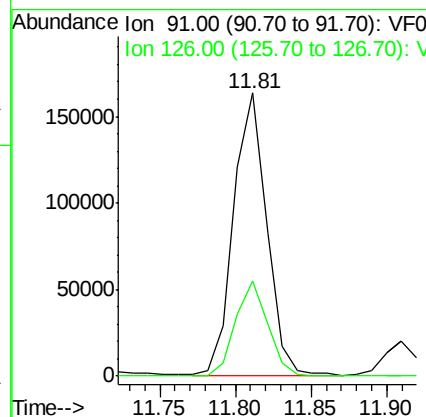
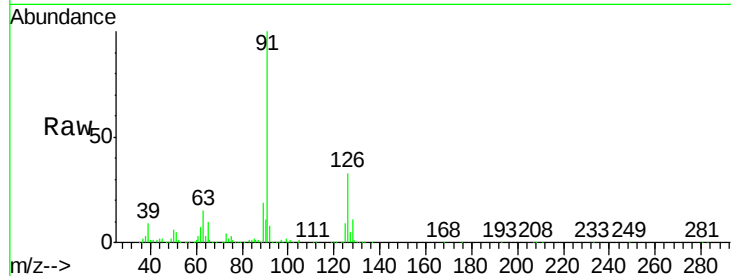




#79
2-Chlorotoluene
Concen: 21.220 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

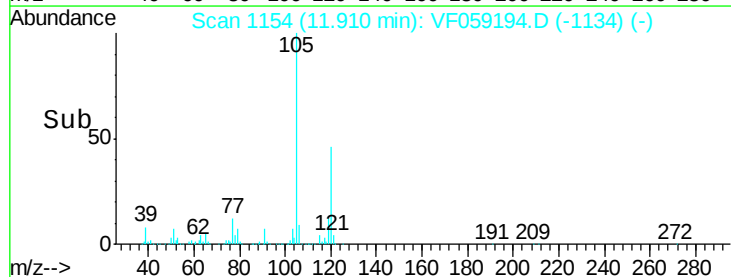
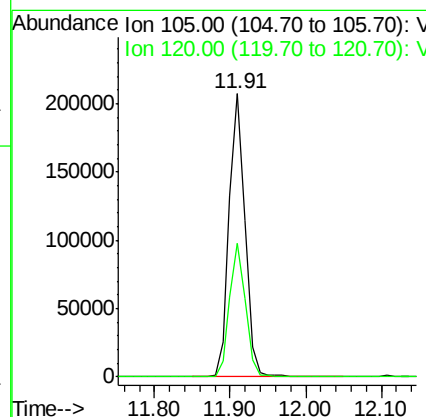
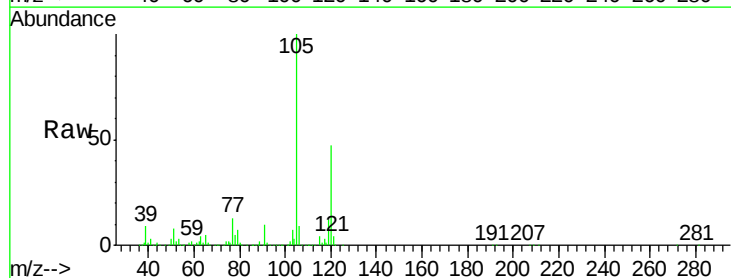
Instrument :
MSVOA_F
ClientSampleId :

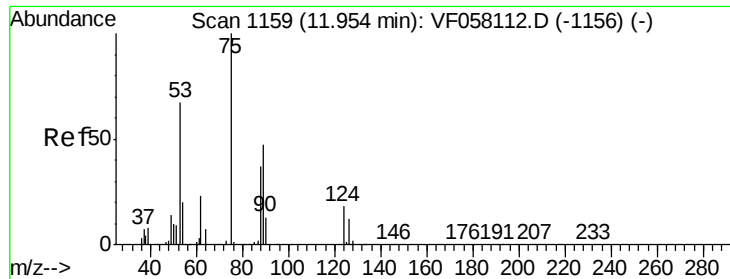
Tot Ion: 91 Resp: 247023
Ion Ratio Lower Upper
91 100
126 33.4 17.6 52.9



#80
1,3,5-Trimethylbenzene
Concen: 22.016 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VF059194.D
Acq: 19 Jun 2018 17:47

Tgt Ion:105 Resp: 303356
Ion Ratio Lower Upper
105 100
120 47.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.844 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

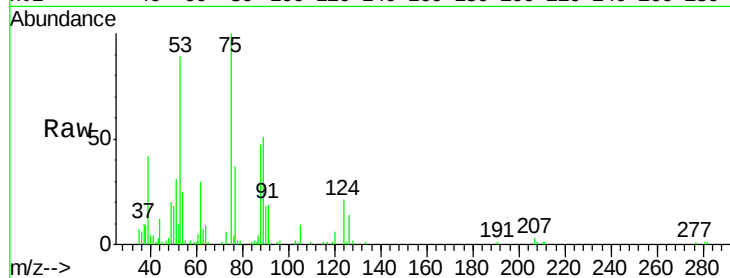
Tot Ion: 75 Resp: 37504

Ion Ratio Lower Upper

75 100

53 89.4 58.7 88.1#

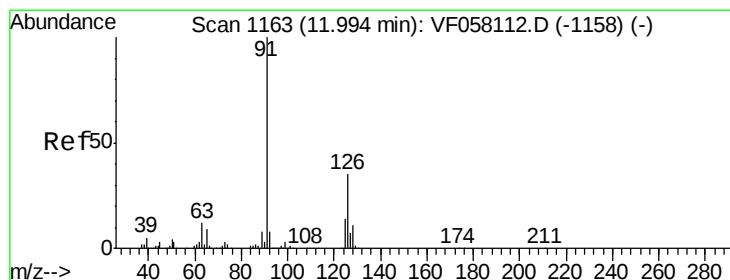
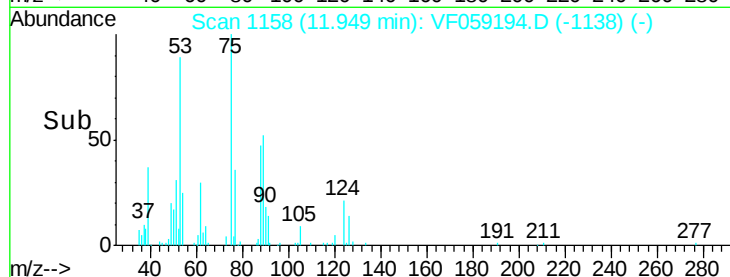
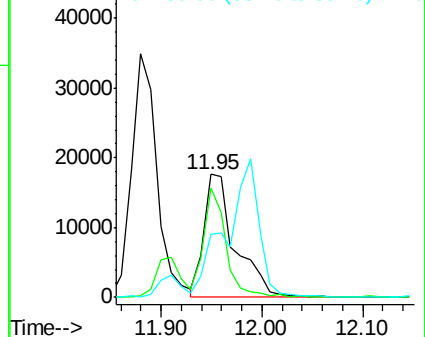
89 51.4 39.8 59.6



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: 21.216 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059194.D

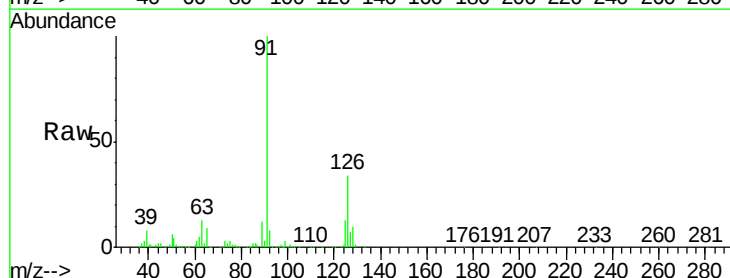
Acq: 19 Jun 2018 17:47

Tgt Ion: 91 Resp: 262934

Ion Ratio Lower Upper

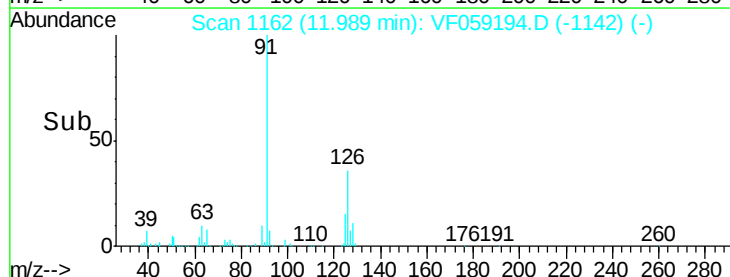
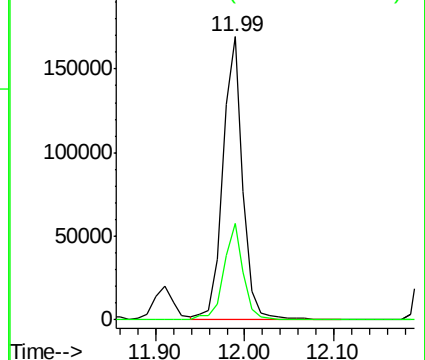
91 100

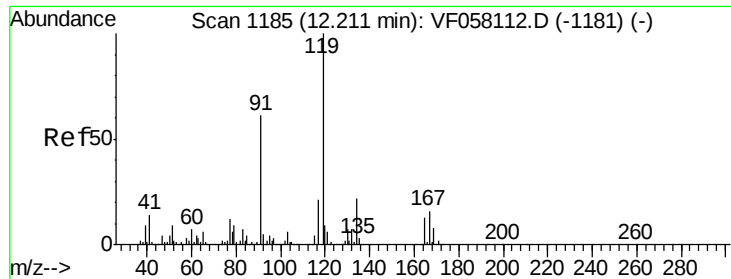
126 34.3 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 21.724 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

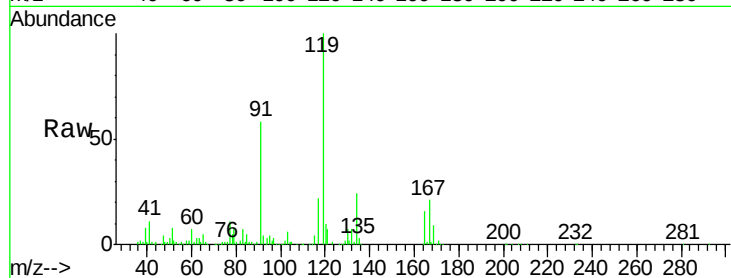
Tot Ion:119 Resp: 297217

Ion Ratio Lower Upper

119 100

91 57.6 30.4 91.3

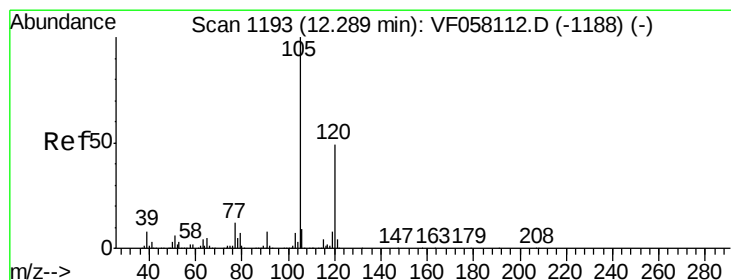
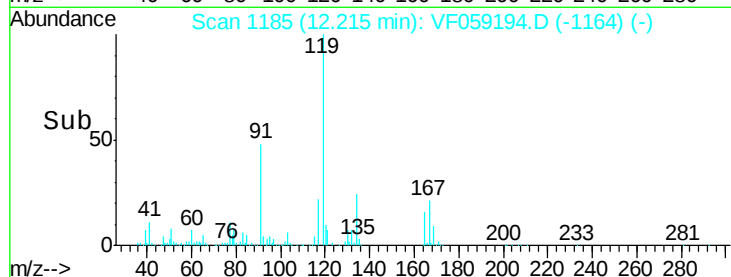
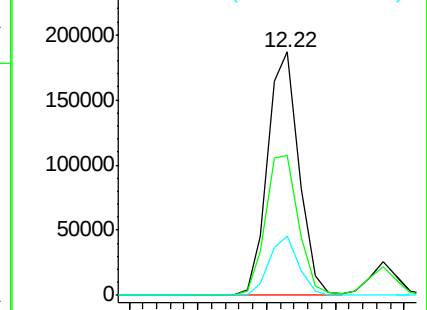
134 24.4 11.2 33.5



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: 21.399 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF059194.D

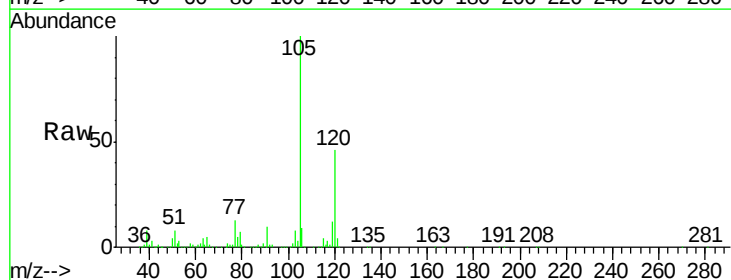
Acq: 19 Jun 2018 17:47

Tgt Ion:105 Resp: 305513

Ion Ratio Lower Upper

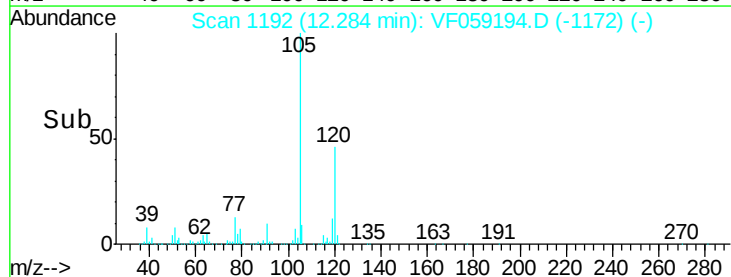
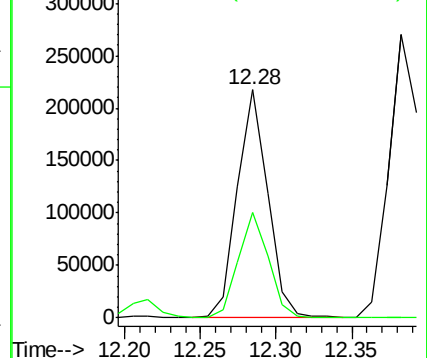
105 100

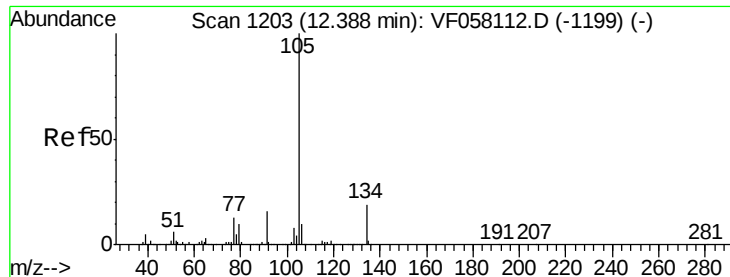
120 46.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.129 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

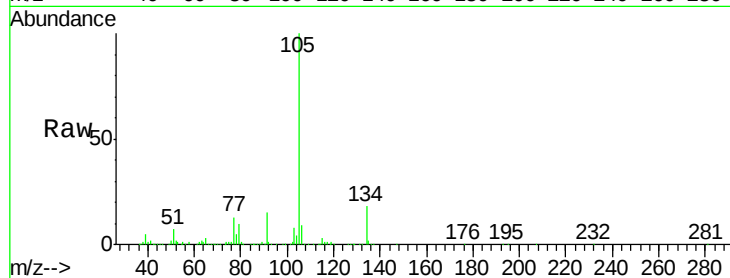
ClientSampleId :

Tot Ion:105 Resp: 392810

Ion Ratio Lower Upper

105 100

134 18.3 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.38

250000

200000

150000

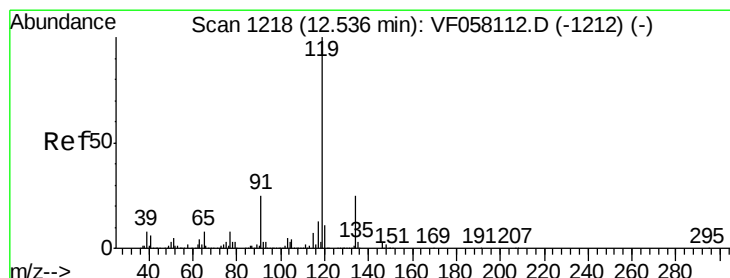
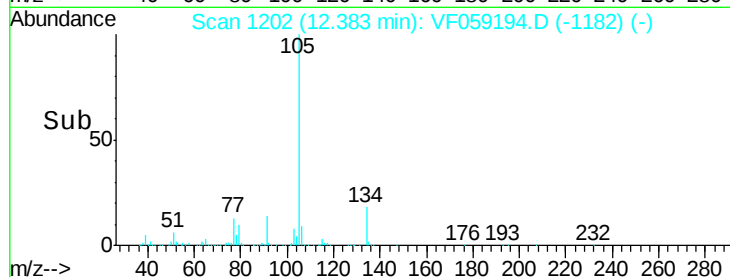
100000

50000

0

Time-->

12.30 12.40 12.50



#86

p-Isopropyltoluene

Concen: 21.949 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

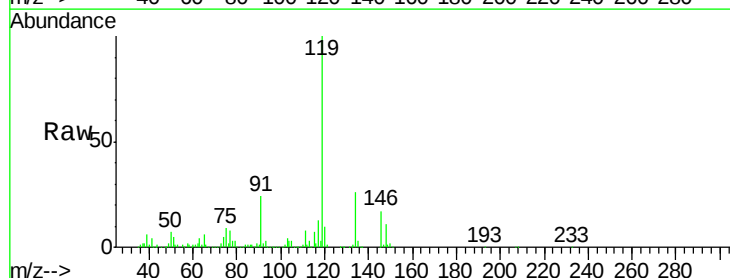
Tgt Ion:119 Resp: 335153

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.0

91 24.3 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

250000

200000

150000

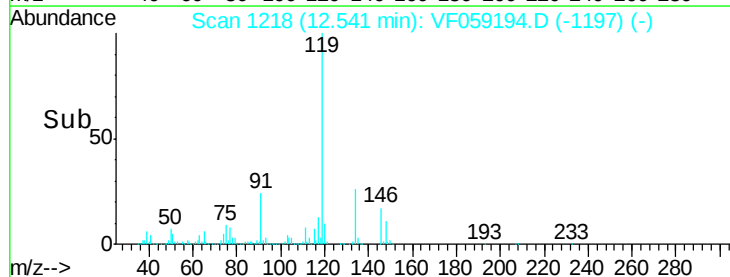
100000

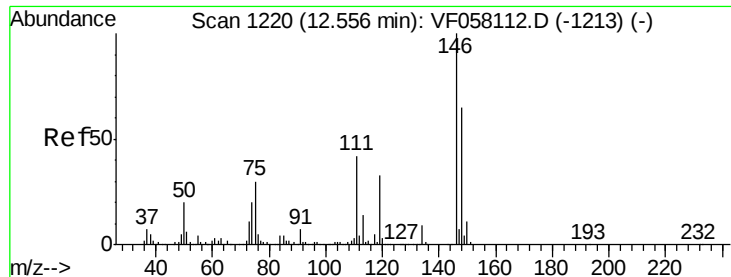
50000

0

Time-->

12.40 12.50 12.60





#87

1,3-Dichlorobenzene

Concen: 21.851 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

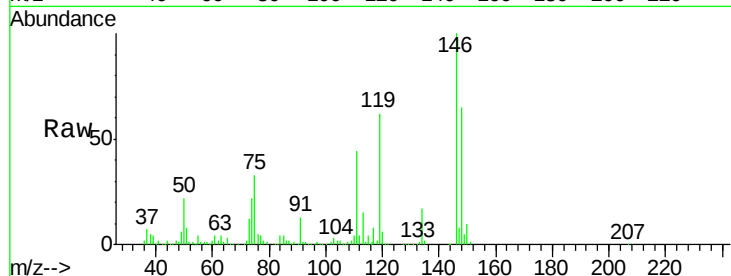
Tot Ion:146 Resp: 169028

Ion Ratio Lower Upper

146 100

111 44.5 20.8 62.5

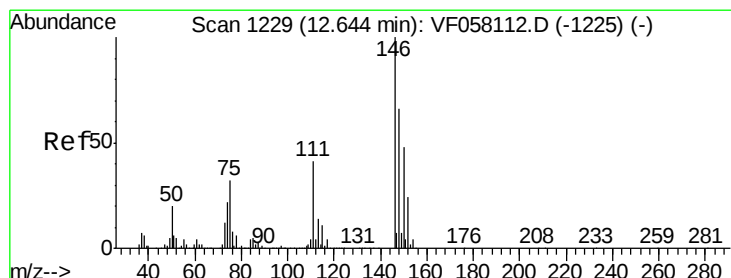
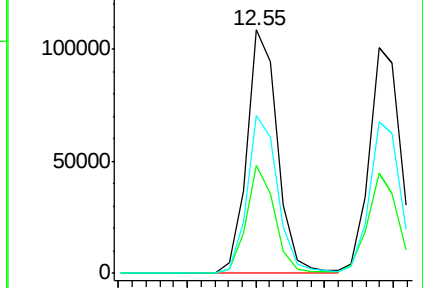
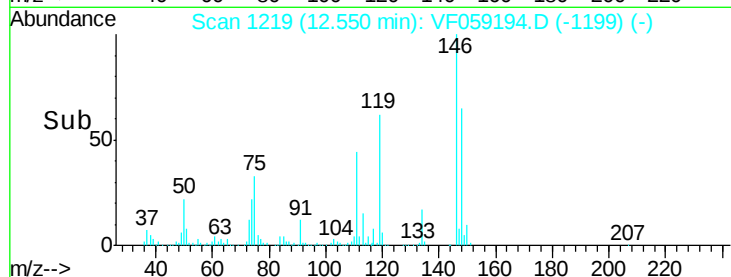
148 64.8 32.3 96.9



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



#88

1,4-Dichlorobenzene

Concen: 21.878 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

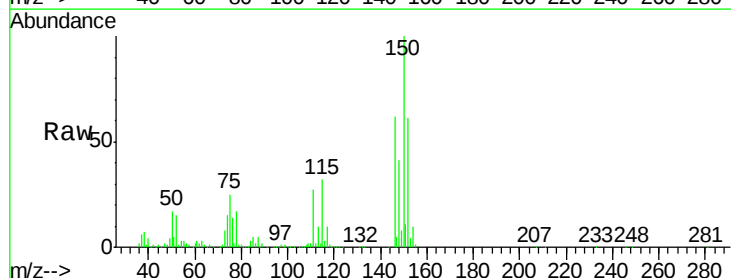
Tgt Ion:146 Resp: 163087

Ion Ratio Lower Upper

146 100

111 44.1 20.4 61.2

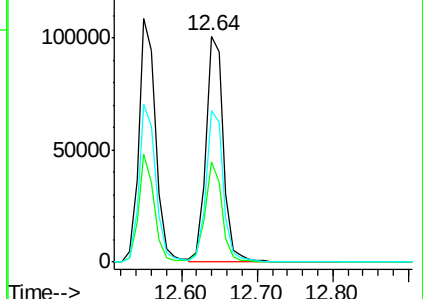
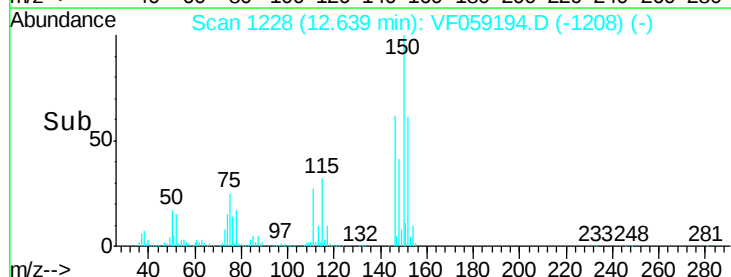
148 67.0 33.0 99.0

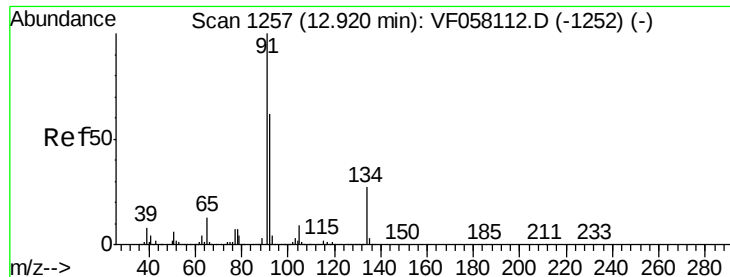


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 19.418 ug/l

RT: 12.92 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

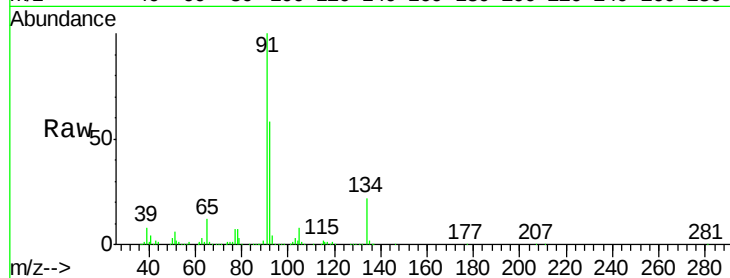
Tot Ion: 91 Resp: 338358

Ion Ratio Lower Upper

91 100

92 57.9 31.1 93.5

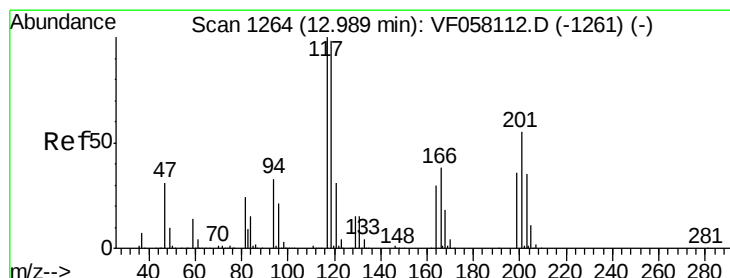
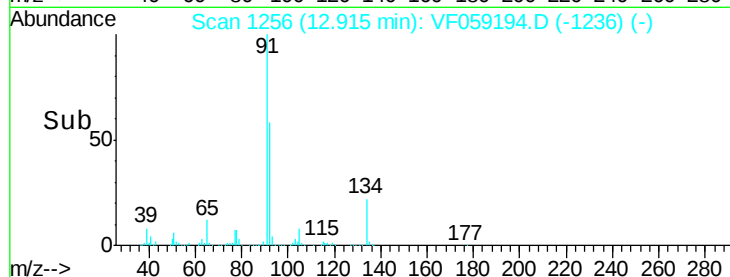
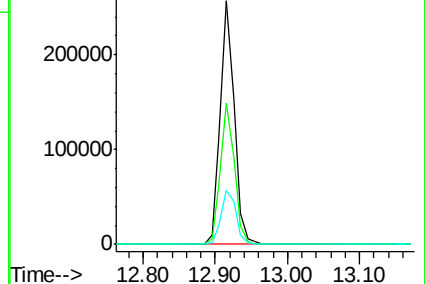
134 22.4 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.078 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059194.D

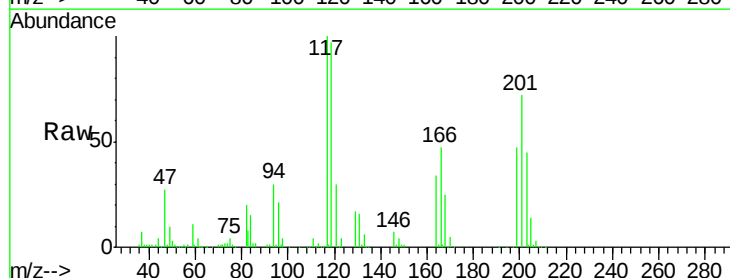
Acq: 19 Jun 2018 17:47

Tgt Ion: 117 Resp: 79258

Ion Ratio Lower Upper

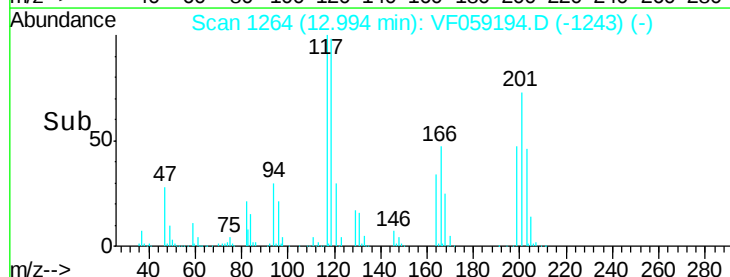
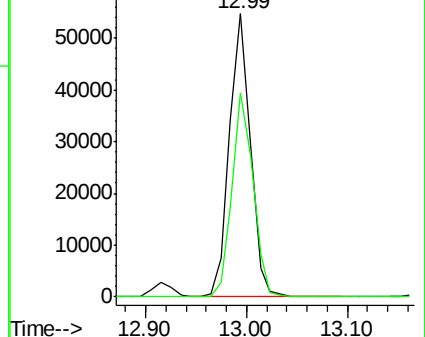
117 100

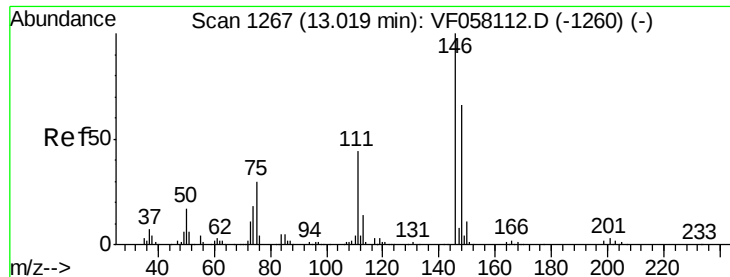
201 72.3 27.5 82.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 21.927 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

ClientSampled :

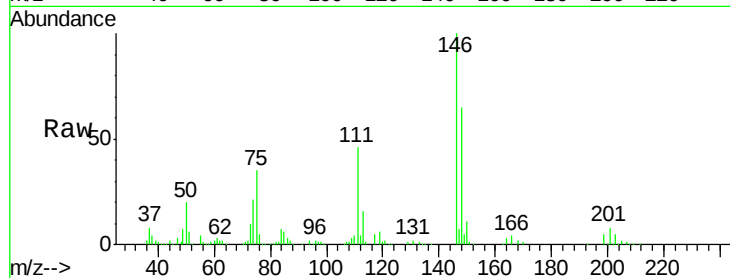
Tot Ion:146 Resp: 163402

Ion Ratio Lower Upper

146 100

111 46.2 22.0 66.0

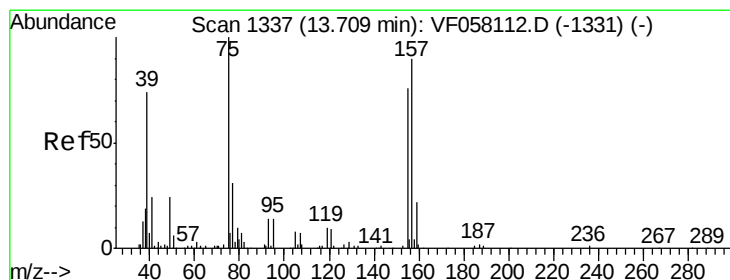
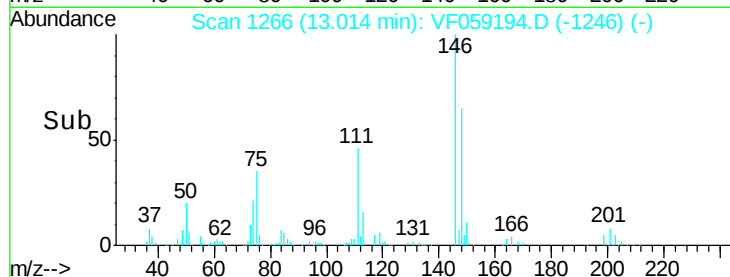
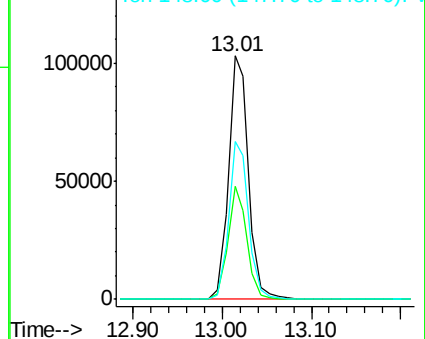
148 65.0 33.1 99.3



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: 26.032 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

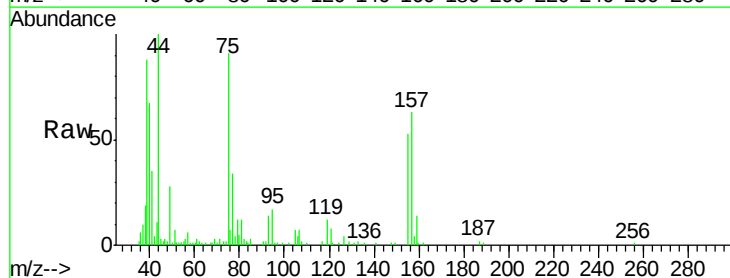
Tgt Ion: 75 Resp: 20154

Ion Ratio Lower Upper

75 100

155 58.3 38.0 114.0

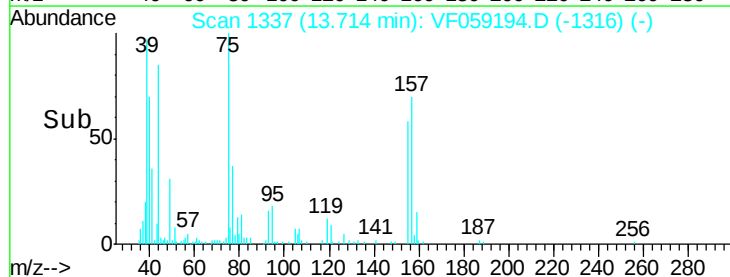
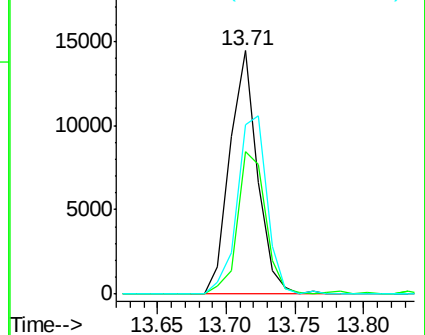
157 69.5 45.1 135.5

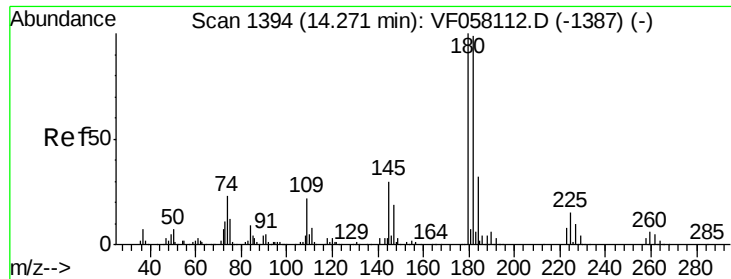


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

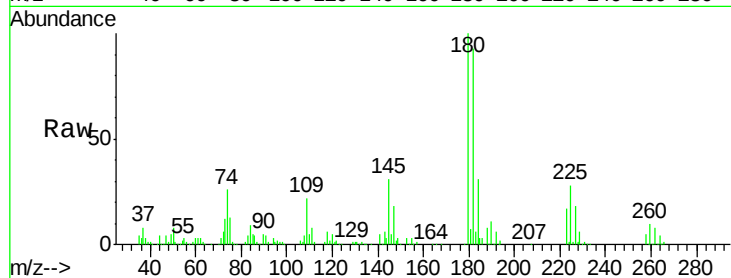




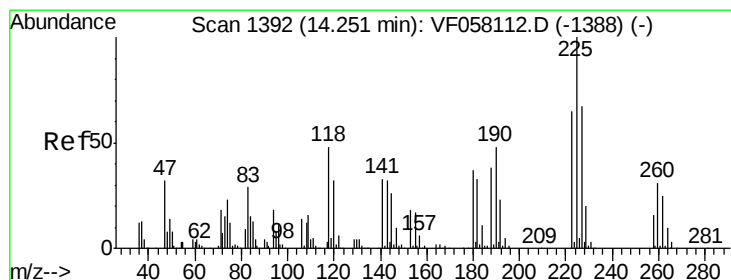
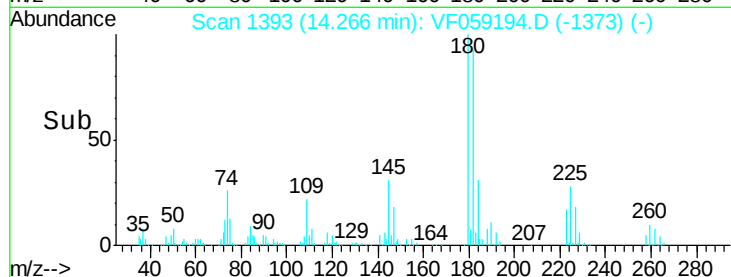
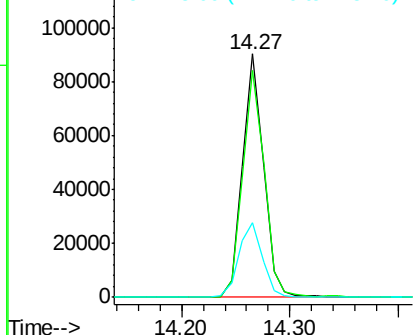
#93
 1,2,4-Trichlorobenzene
 Concen: 23.508 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059194.D
 Acq: 19 Jun 2018 17:47

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	49.3	147.9
145	30.8	14.9	44.9

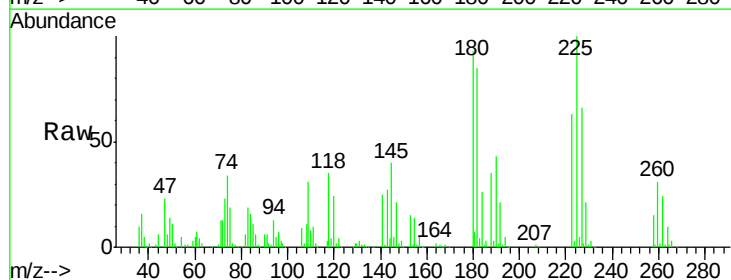


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

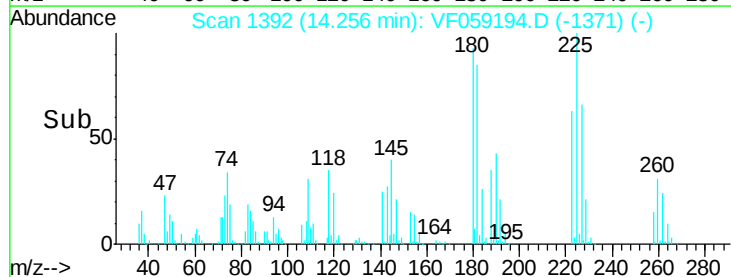
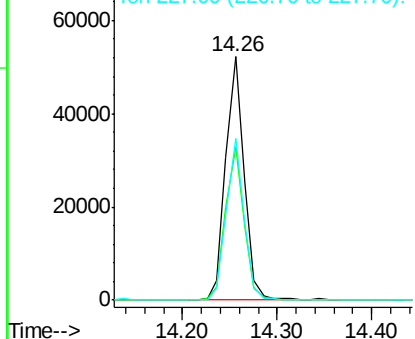


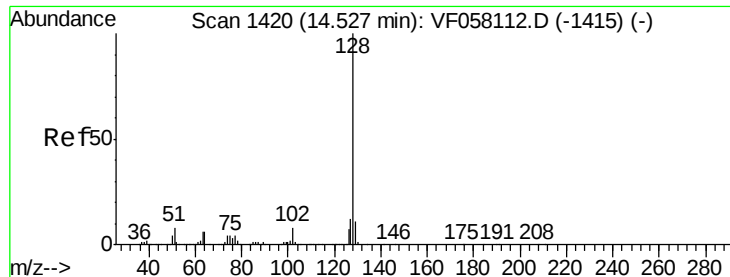
#94
 Hexachlorobutadiene
 Concen: 23.403 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059194.D
 Acq: 19 Jun 2018 17:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.8	98.3
227	66.2	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: 21.939 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

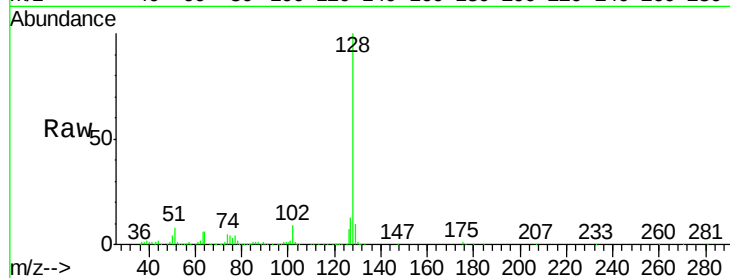
Tot Ion:128 Resp: 244249

Ion Ratio Lower Upper

128 100

127 12.5 9.9 14.9

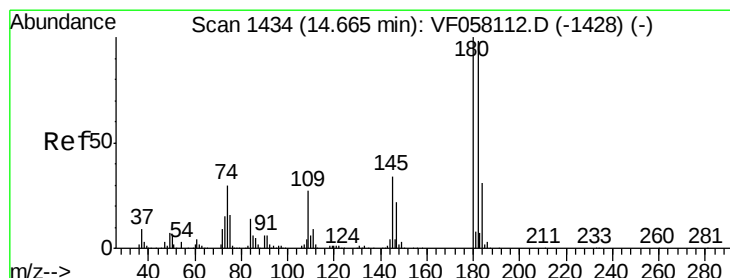
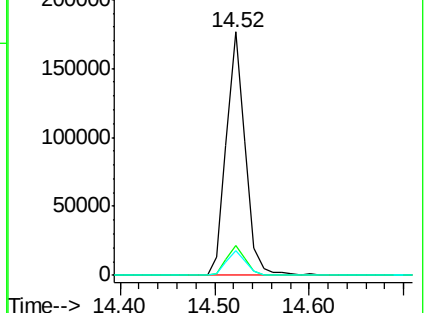
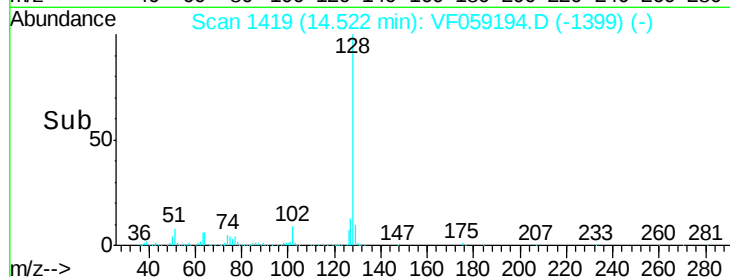
129 10.3 8.7 13.1



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: 23.426 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

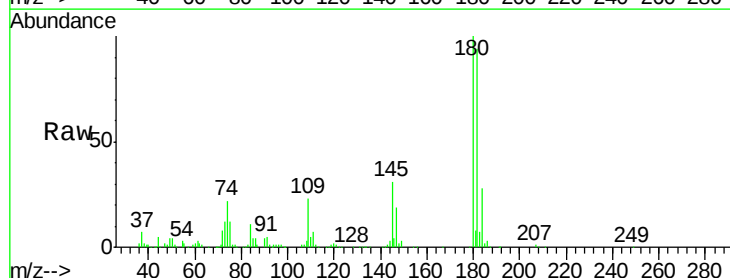
Tgt Ion:180 Resp: 112835

Ion Ratio Lower Upper

180 100

182 93.7 48.9 146.6

145 30.7 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

