

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059250.D
 Acq On : 21 Jun 2018 4:24
 Operator : VA/AP
 Sample : VF0620SBS02
 Misc : 5.20g/5mL/MSVOA-F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 21 06:41:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	222859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	357019	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	363997	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	229557	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	176605	65.34	ug/l	0.01
Spiked Amount	50.000		Recovery	=	130.68%	
35) Dibromofluoromethane	4.30	113	157292	62.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.58%	
50) Toluene-d8	7.72	98	382814	52.02	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	11.51	95	215110	56.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	56941	22.574	ug/l	96
3) Chloromethane	1.08	50	33435	17.113	ug/l	98
4) Vinyl Chloride	1.14	62	35699	20.252	ug/l	95
5) Bromomethane	1.34	94	22287	21.699	ug/l	93
6) Chloroethane	1.43	64	15642	21.387	ug/l #	83
7) Trichlorofluoromethane	1.49	101	22226	8.112	ug/l	99
8) Diethyl Ether	1.70	74	14650	21.251	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.90	101	41219	23.604	ug/l	98
10) Methyl Iodide	1.97	142	65953	21.585	ug/l	91
11) Tert butyl alcohol	2.69	59	20168	116.458	ug/l	98
12) 1,1-Dichloroethene	1.86	96	32887	22.396	ug/l	98
13) Acrolein	2.09	56	9427	62.891	ug/l	96
14) Allyl chloride	2.19	41	59718	20.720	ug/l	89
15) Acrylonitrile	3.08	53	47884	139.220	ug/l	98
16) Acetone	2.34	43	66757	103.447	ug/l #	91
17) Carbon Disulfide	1.87	76	75385	18.284	ug/l	96
18) Methyl Acetate	2.45	43	28738	25.905	ug/l #	88
19) Methyl tert-butyl Ether	2.54	73	118673	26.033	ug/l	99
20) Methylene Chloride	2.28	84	21458	13.887	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	32660	20.280	ug/l	83
22) Diisopropyl ether	2.93	45	130550	23.042	ug/l	94
23) Vinyl Acetate	3.34	43	441204	118.108	ug/l	99
24) 1,1-Dichloroethane	3.00	63	85948	25.023	ug/l	99
25) 2-Butanone	4.51	43	96781	96.735	ug/l	93
26) 2,2-Dichloropropane	3.76	77	51001	20.467	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	53943	21.764	ug/l	92
28) Bromochloromethane	3.89	49	40545	26.226	ug/l #	94
29) Tetrahydrofuran	4.26	42	49607	112.529	ug/l	98
30) Chloroform	4.04	83	123073	25.047	ug/l	98
31) Cyclohexane	3.86	56	57316	19.102	ug/l	94
32) 1,1,1-Trichloroethane	4.28	97	91294	24.887	ug/l	95
36) 1,1-Dichloropropene	4.46	75	74089	21.410	ug/l	94
37) Ethyl Acetate	4.30	43	54078	25.291	ug/l #	91
38) Carbon Tetrachloride	4.17	117	100681	26.845	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	71602	20.299	ug/l	89
40) Benzene	4.81	78	168304	20.953	ug/l	99
41) Methacrylonitrile	4.92	41	25589	24.359	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	103409	28.705	ug/l	97
43) Isopropyl Acetate	7.11	43	60539	21.141	ug/l #	98
44) Trichloroethene	5.68	130	58847	23.447	ug/l	95
45) 1,2-Dichloropropane	6.41	63	48681	21.019	ug/l	98
46) Dibromomethane	6.26	93	41749	23.959	ug/l	88
47) Bromodichloromethane	6.55	83	96945	24.455	ug/l	95
48) Methyl methacrylate	6.87	41	40078	22.703	ug/l	89
49) 1,4-Dioxane	6.87	88	4312	320.266	ug/l	91
51) 4-Methyl-2-Pentanone	8.41	43	236995	120.748	ug/l	99
52) Toluene	7.79	92	119440	20.645	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	88658	23.093	ug/l	92
54) cis-1,3-Dichloropropene	7.46	75	90748	20.577	ug/l	94
55) 1,1,2-Trichloroethane	8.64	97	48971	23.358	ug/l	98
56) Ethyl methacrylate	8.76	69	56428	21.353	ug/l	92
57) 1,3-Dichloropropane	9.01	76	80458	22.435	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	21811	115.428	ug/l	100
59) 2-Hexanone	9.64	43	180626	116.345	ug/l	92
60) Dibromochloromethane	8.87	129	73281	24.324	ug/l	96
61) 1,2-Dibromoethane	9.14	107	58773	24.126	ug/l	94
64) Tetrachloroethene	8.31	164	63914	23.940	ug/l	93
65) Chlorobenzene	9.94	112	157754	21.886	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	67328	23.482	ug/l	93
67) Ethyl Benzene	10.04	91	268506	21.439	ug/l	98
68) m/p-Xylenes	10.27	106	195506	41.694	ug/l	91
69) o-Xylene	10.83	106	108960	21.500	ug/l	99
70) Styrene	10.90	104	159931	20.858	ug/l	95
71) Bromoform	10.89	173	47196	24.238	ug/l #	95
73) Isopropylbenzene	11.23	105	325728	20.495	ug/l	97
74) N-amyl acetate	11.46	43	114699	20.203	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	83387	22.130	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	63325	22.756	ug/l	92
77) Bromobenzene	11.60	156	86422	21.606	ug/l	80
78) n-propylbenzene	11.69	91	378619	20.127	ug/l	97
79) 2-Chlorotoluene	11.82	91	227587	20.479	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	288596	21.939	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	33304	18.458	ug/l	97
82) 4-Chlorotoluene	11.99	91	251957	21.296	ug/l	95
83) tert-Butylbenzene	12.22	119	283789	21.727	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	294227	21.587	ug/l	94
85) sec-Butylbenzene	12.39	105	387805	21.851	ug/l	98
86) p-Isopropyltoluene	12.54	119	322553	22.127	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	162122	21.953	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	152440	21.420	ug/l	98
89) n-Butylbenzene	12.92	91	323763	19.467	ug/l	95
90) Hexachloroethane	13.00	117	76931	21.431	ug/l	72
91) 1,2-Dichlorobenzene	13.02	146	161420	22.690	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	16132	21.826	ug/l	72

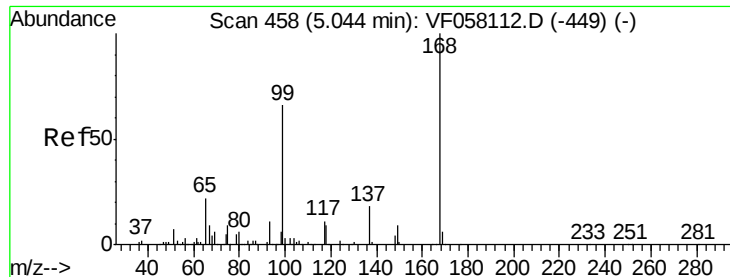
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	110431	22.193	ug/l	97
94) Hexachlorobutadiene	14.26	225	64240	22.310	ug/l	93
95) Naphthalene	14.53	128	233684	21.987	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	105805	23.010	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

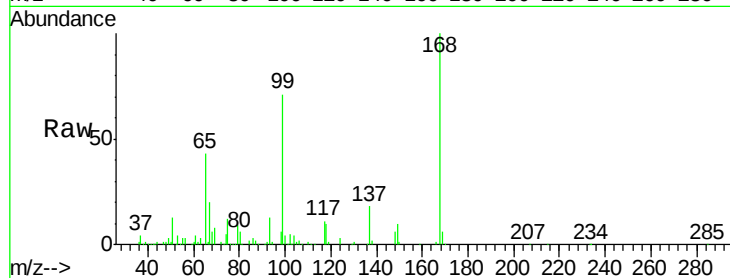
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 222859

Ion Ratio Lower Upper

168 100

99 71.1 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

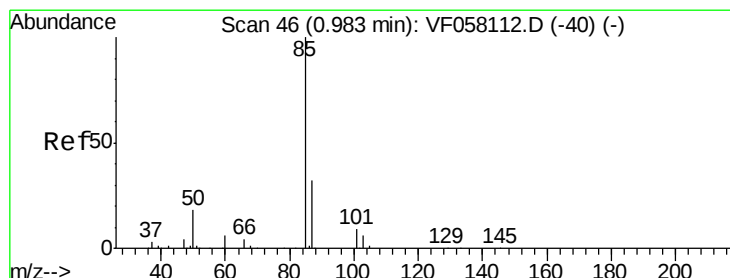
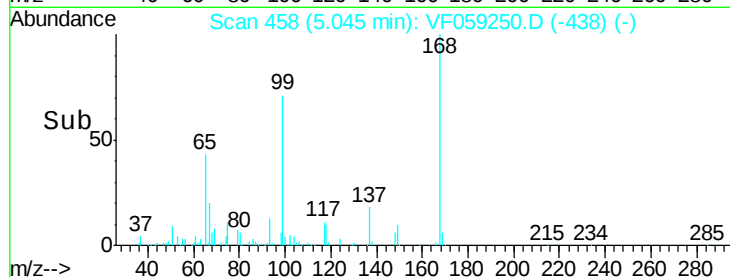
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.574 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059250.D

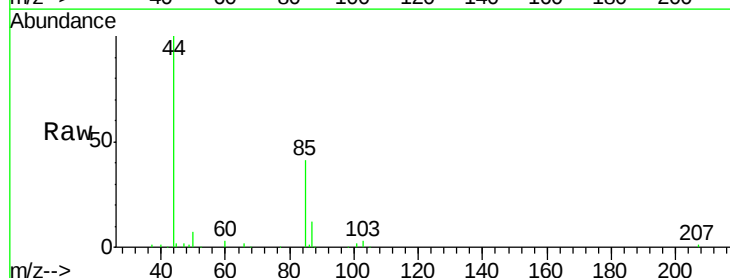
Acq: 21 Jun 2018 4:24

Tgt Ion: 85 Resp: 56941

Ion Ratio Lower Upper

85 100

87 30.1 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

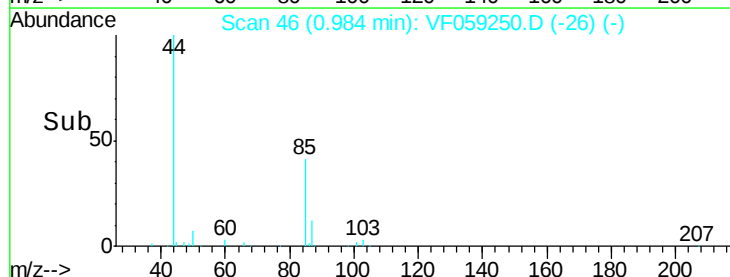
15000

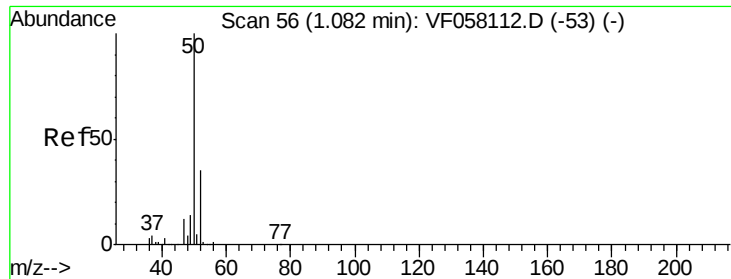
10000

5000

0

Time-->





#3

Chloromethane

Concen: 17.113 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

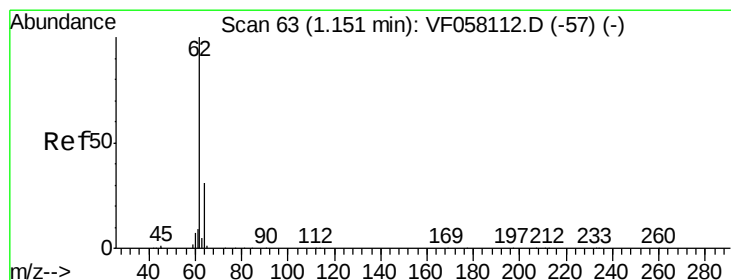
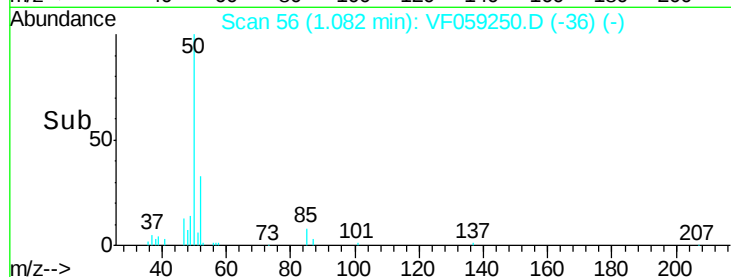
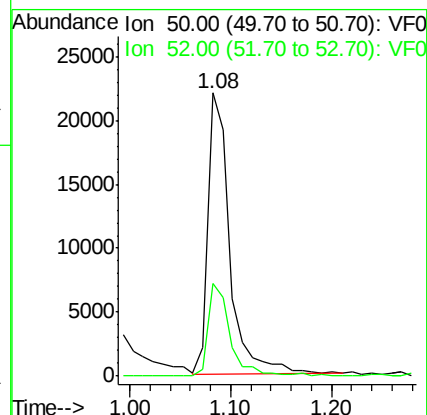
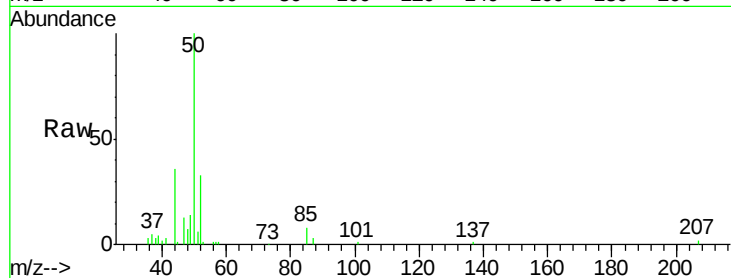
ClientSampleId :

Tot Ion: 50 Resp: 33435

Ion Ratio Lower Upper

50 100

52 32.8 27.3 40.9



#4

Vinyl Chloride

Concen: 20.252 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059250.D

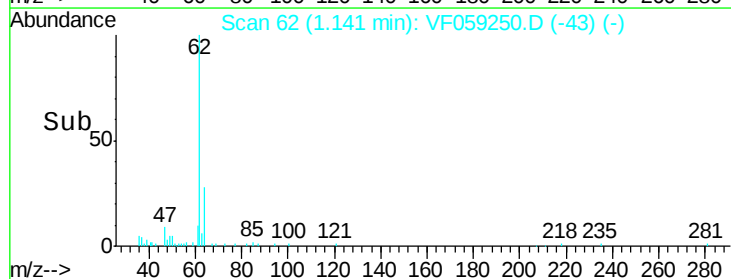
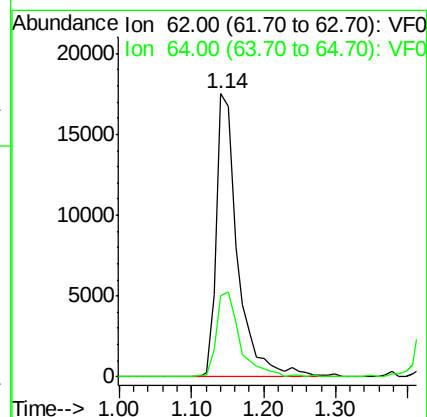
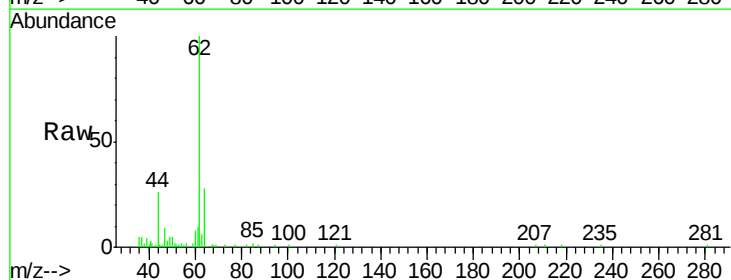
Acq: 21 Jun 2018 4:24

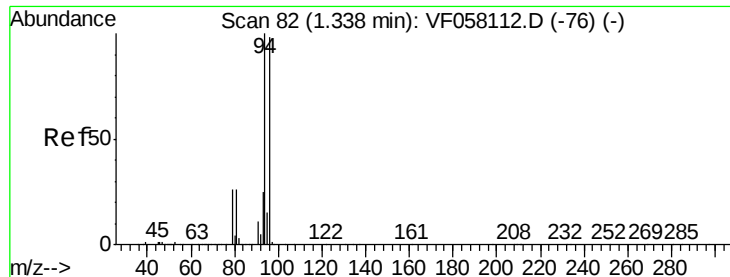
Tgt Ion: 62 Resp: 35699

Ion Ratio Lower Upper

62 100

64 28.5 25.0 37.6





#5

Bromomethane

Concen: 21.699 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

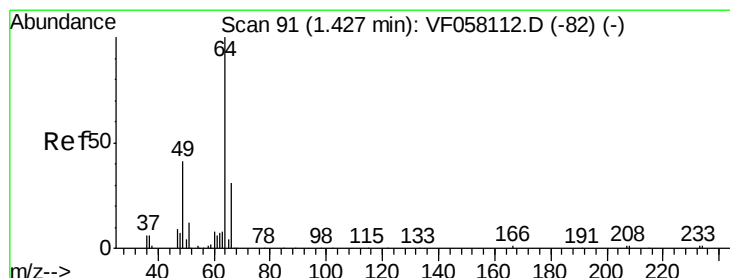
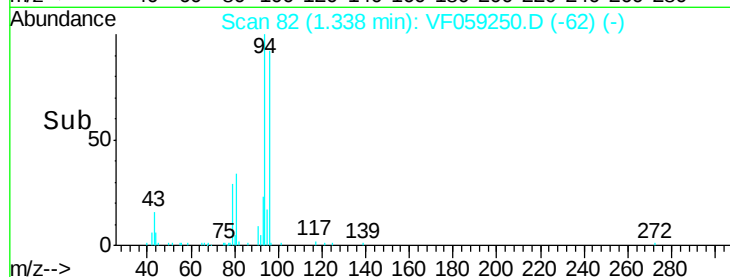
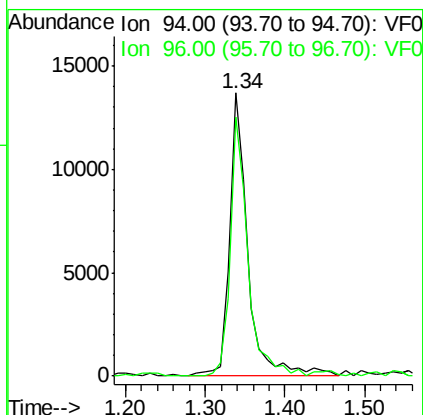
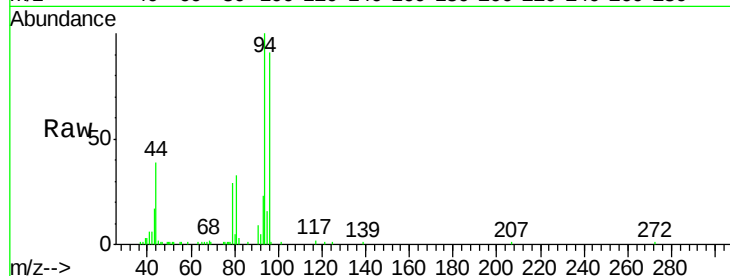
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 22287

Ion Ratio Lower Upper

94 100

96 91.4 78.6 117.8



#6

Chloroethane

Concen: 21.387 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059250.D

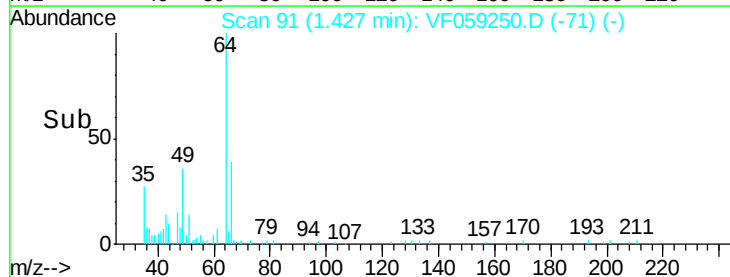
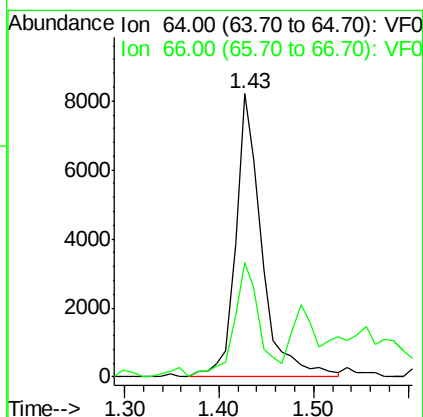
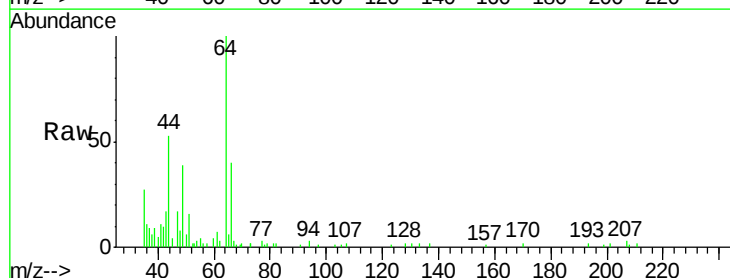
Acq: 21 Jun 2018 4:24

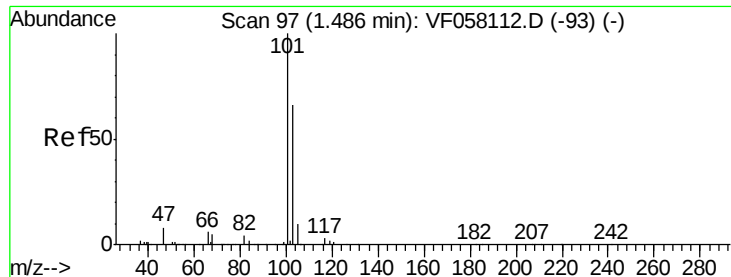
Tgt Ion: 64 Resp: 15642

Ion Ratio Lower Upper

64 100

66 40.5 24.9 37.3#





#7

Trichlorofluoromethane

Concen: 8.112 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

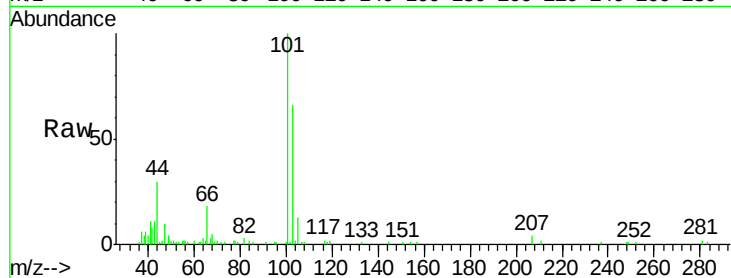
ClientSampleId :

Tot Ion:101 Resp: 22226

Ion Ratio Lower Upper

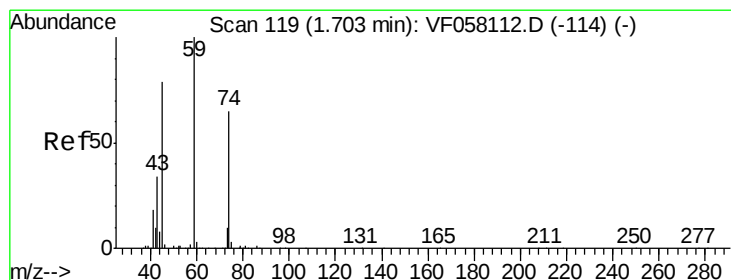
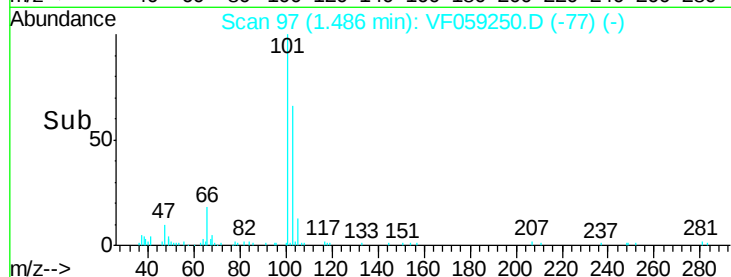
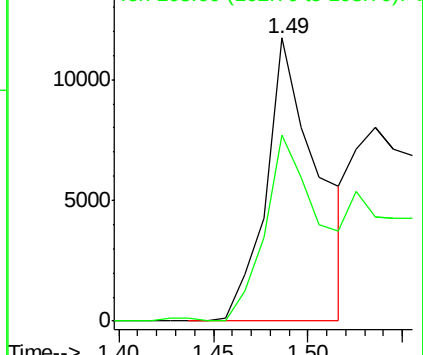
101 100

103 65.8 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: 21.251 ug/l

RT: 1.70 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF059250.D

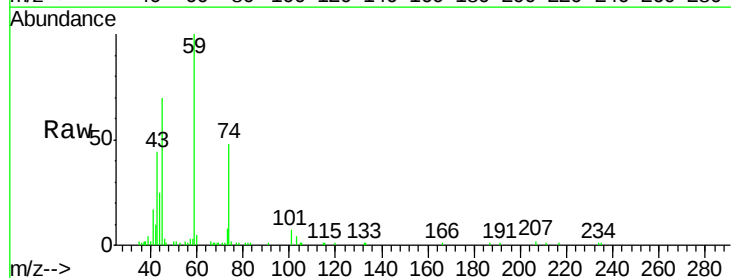
Acq: 21 Jun 2018 4:24

Tgt Ion: 74 Resp: 14650

Ion Ratio Lower Upper

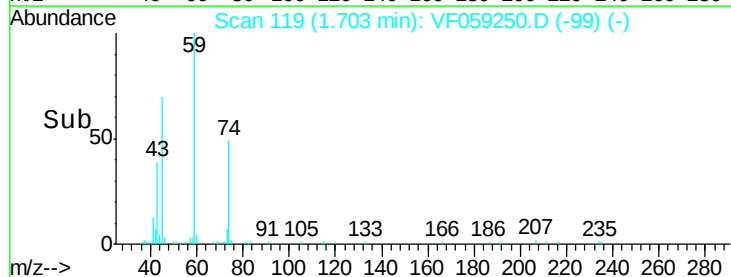
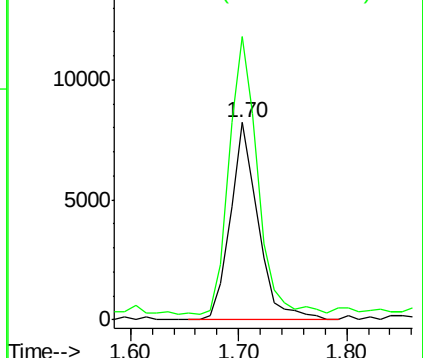
74 100

45 143.6 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: 23.604 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

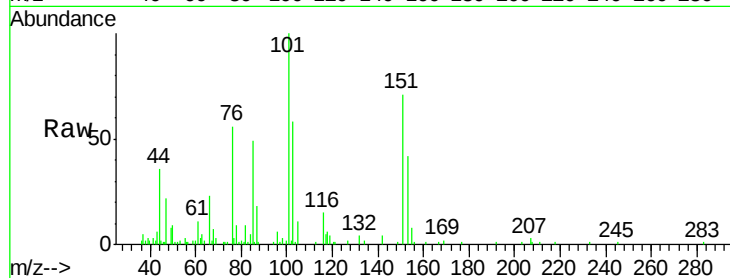
Tot Ion:101 Resp: 41219

Ion Ratio Lower Upper

101 100

85 49.3 42.2 63.4

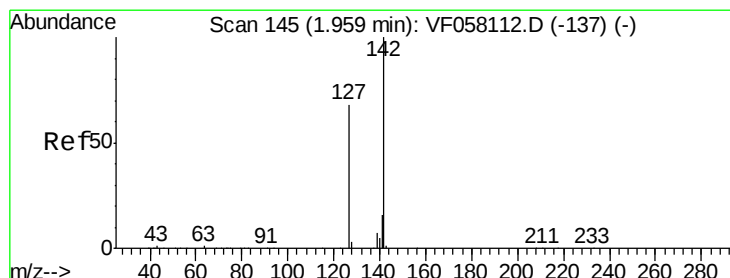
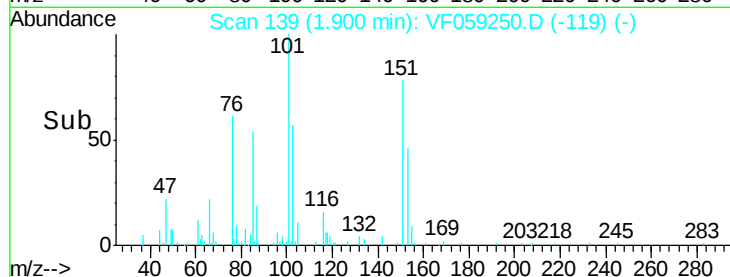
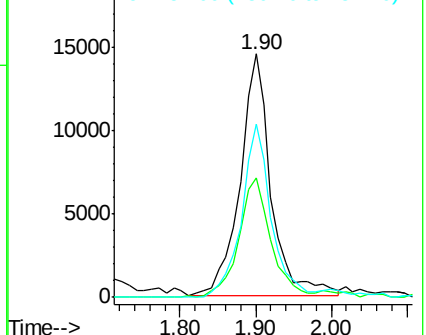
151 71.3 56.8 85.2



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: 21.585 ug/l

RT: 1.97 min Scan# 146

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

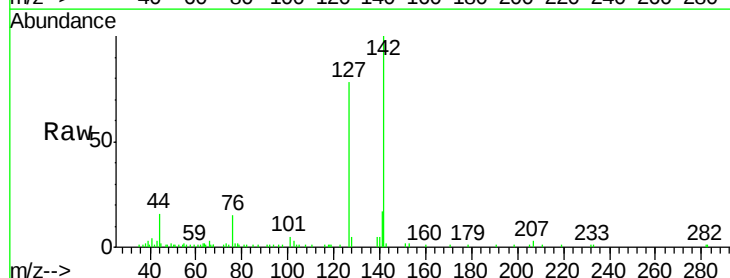
Tgt Ion:142 Resp: 65953

Ion Ratio Lower Upper

142 100

127 76.9 54.1 81.1

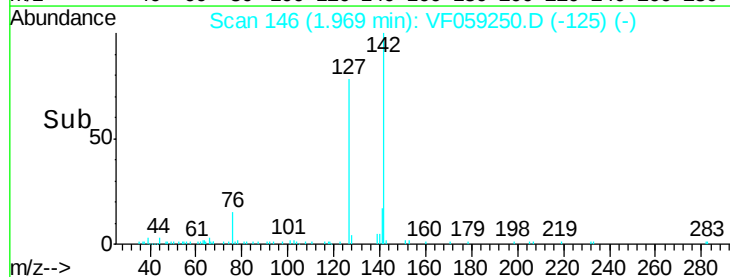
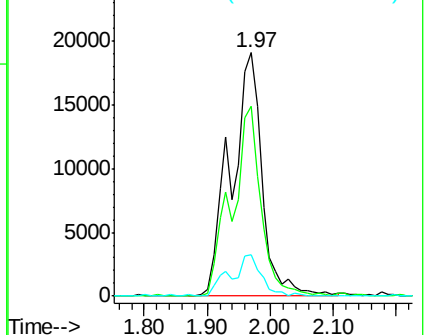
141 16.5 13.0 19.4

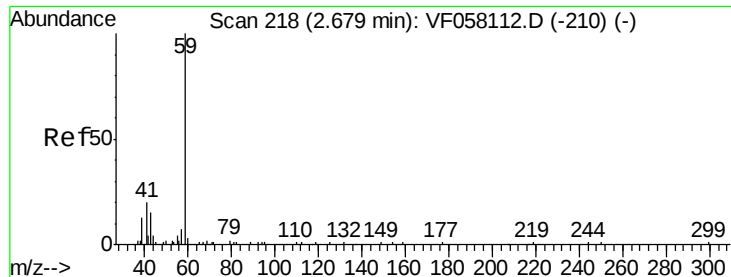


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



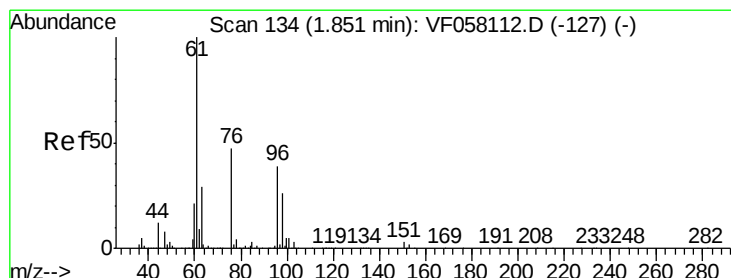
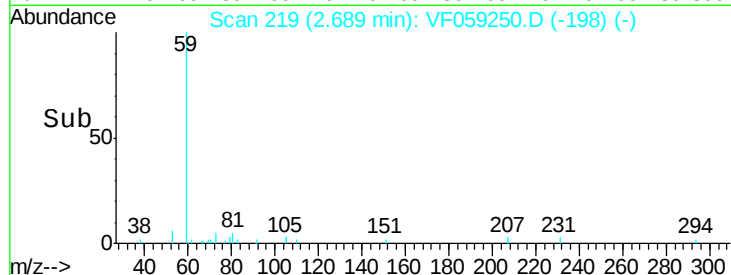
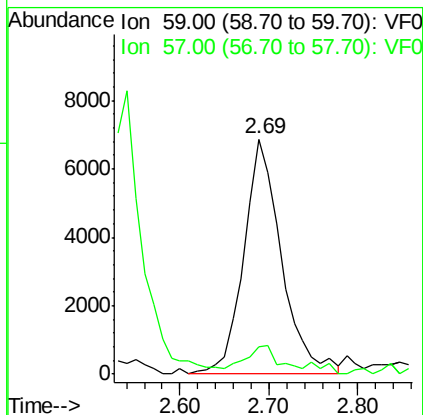
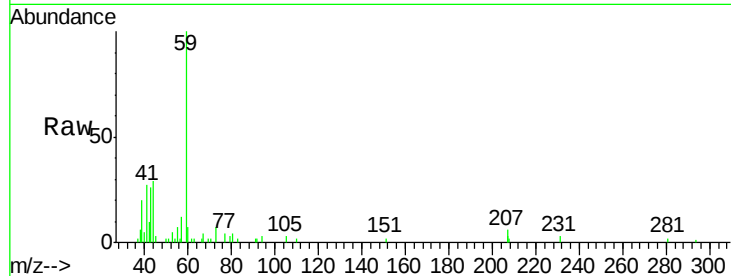


#11

Tert butyl alcohol
Concen: 116.458 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :

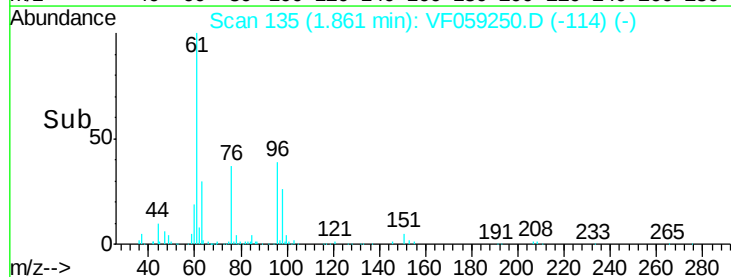
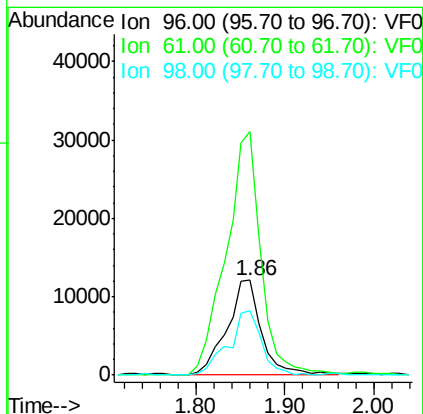
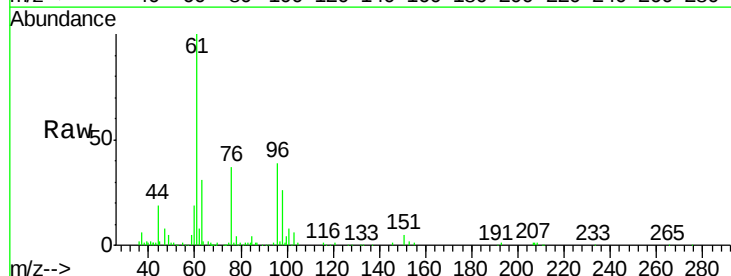
Tot Ion: 59 Resp: 20168
Ion Ratio Lower Upper
59 100
57 11.5 8.7 13.1

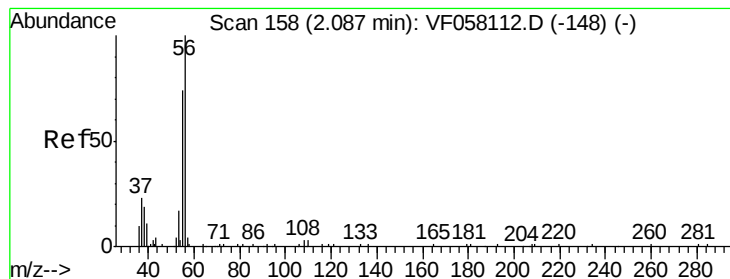


#12

1,1-Dichloroethene
Concen: 22.396 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion: 96 Resp: 32887
Ion Ratio Lower Upper
96 100
61 257.2 203.0 304.4
98 67.8 52.7 79.1





#13

Acrolein

Concen: 62.891 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

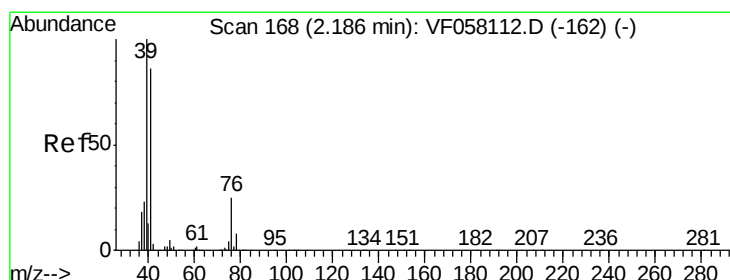
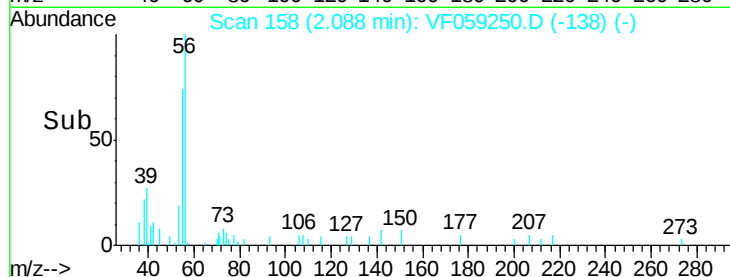
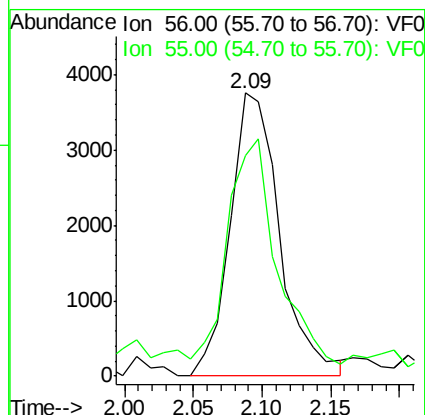
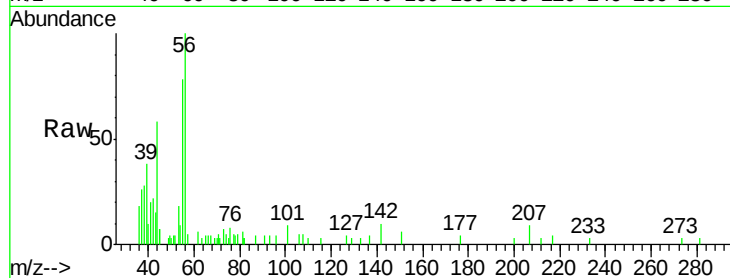
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 9427

Ion Ratio Lower Upper

56 100

55 78.1 60.0 90.0



#14

Allyl chloride

Concen: 20.720 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

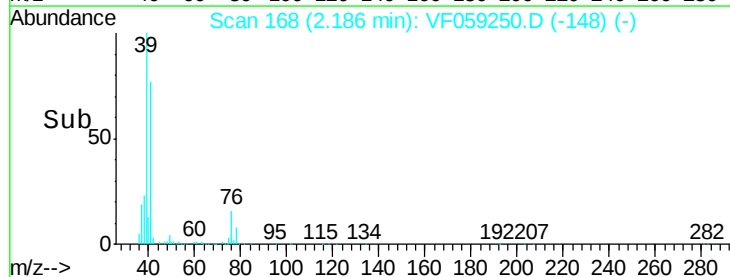
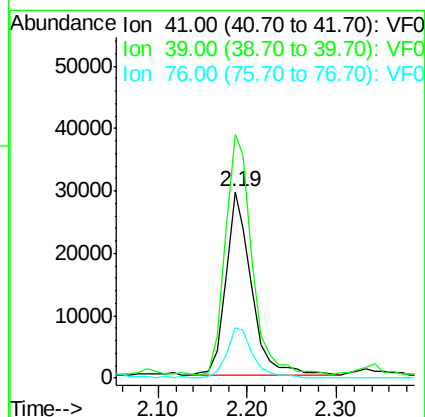
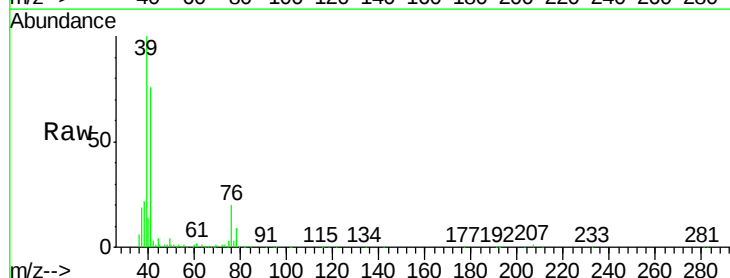
Tgt Ion: 41 Resp: 59718

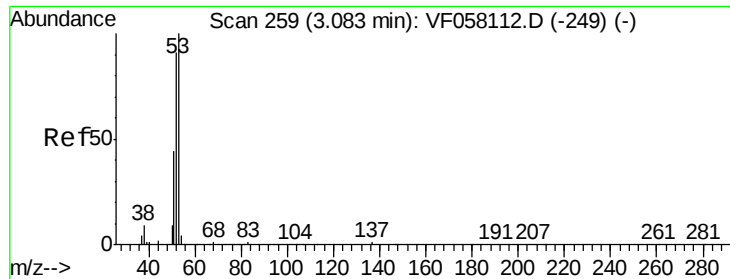
Ion Ratio Lower Upper

41 100

39 130.8 93.5 140.3

76 26.7 23.9 35.9





#15

Acrylonitrile

Concen: 139.220 ug/l

RT: 3.08 min Scan# 259

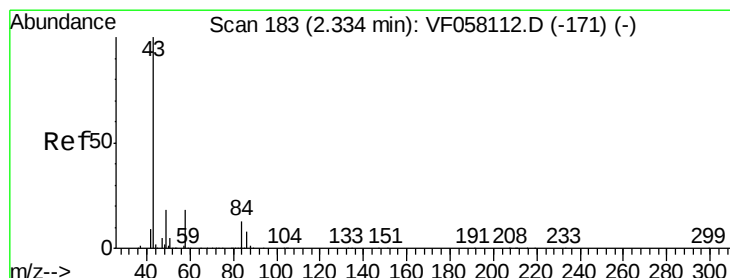
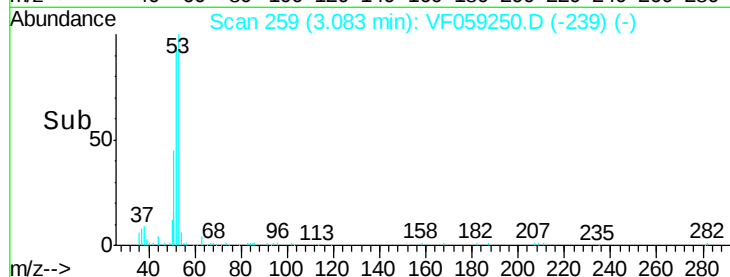
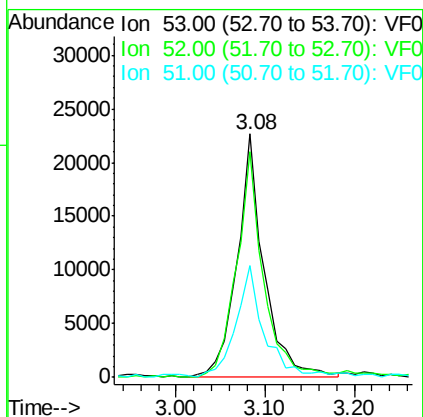
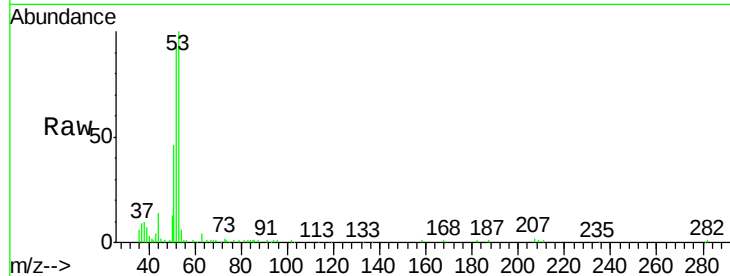
Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	47884
Ion	Ratio	Lower	Upper
53	100		
52	92.9	73.2	109.8
51	45.8	35.6	53.4



#16

Acetone

Concen: 103.447 ug/l

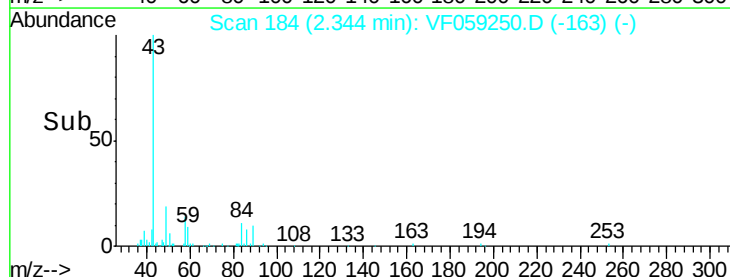
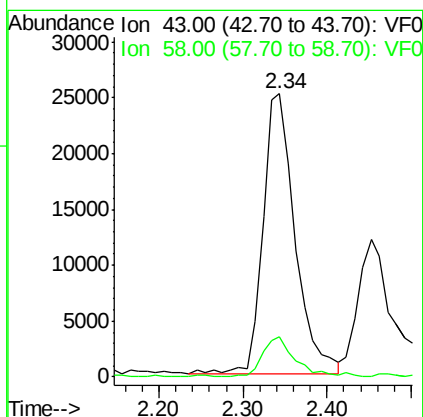
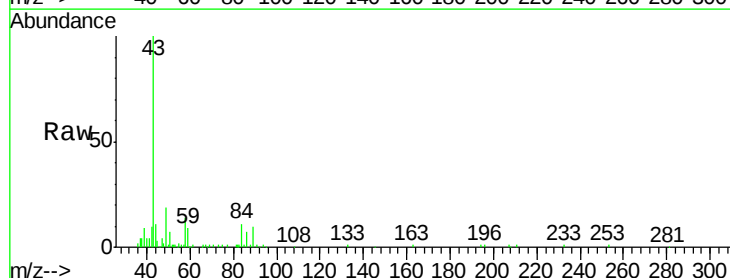
RT: 2.34 min Scan# 184

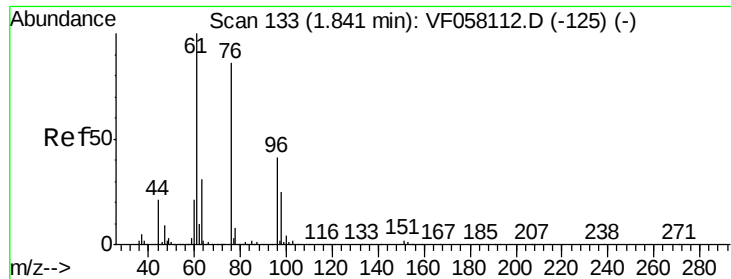
Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion:	43	Resp:	66757
Ion	Ratio	Lower	Upper
43	100		
58	14.1	14.4	21.6#

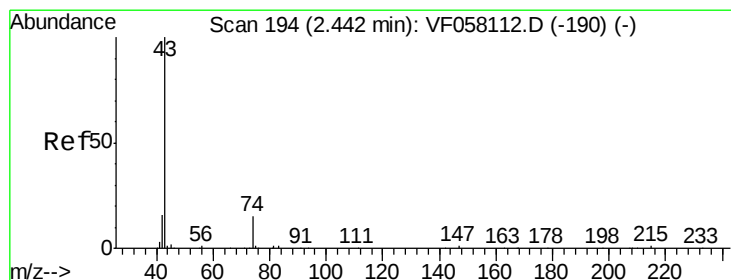
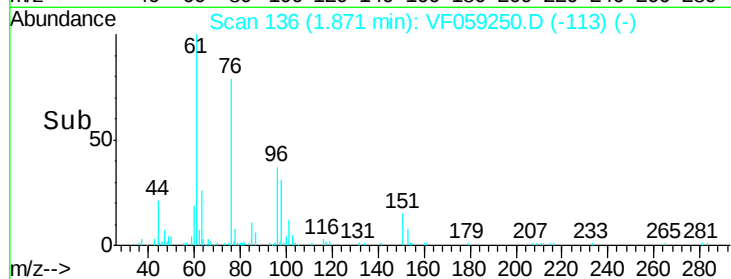
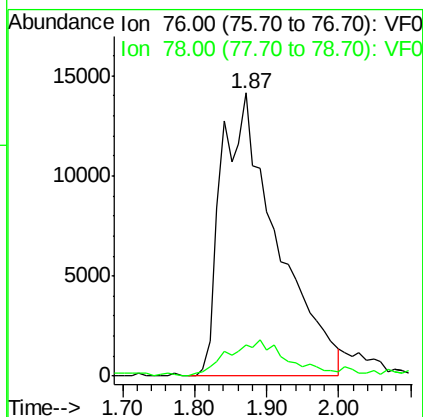
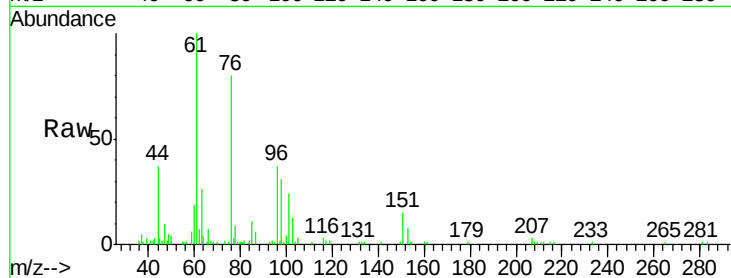




#17
Carbon Disulfide
Concen: 18.284 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.03 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

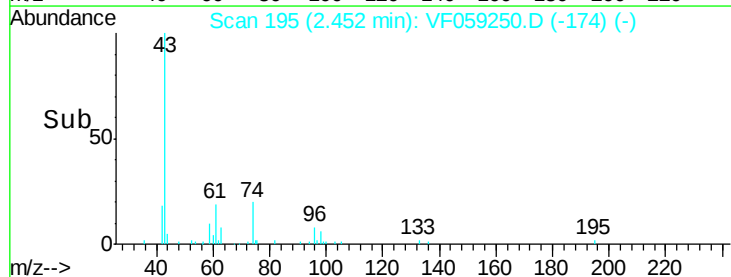
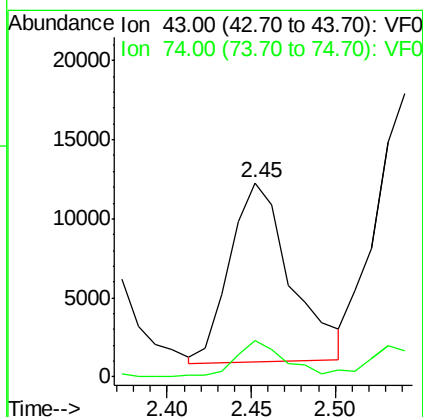
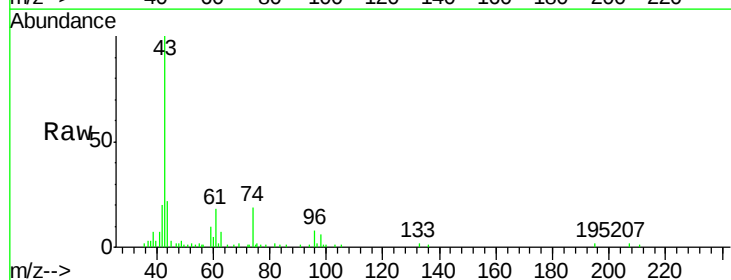
Instrument :
MSVOA_F
ClientSampleId :

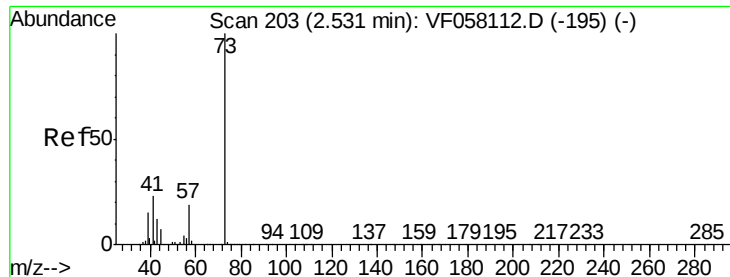
Tot Ion: 76 Resp: 75385
Ion Ratio Lower Upper
76 100
78 11.2 7.8 11.8



#18
Methyl Acetate
Concen: 25.905 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion: 43 Resp: 28738
Ion Ratio Lower Upper
43 100
74 18.6 10.9 16.3#



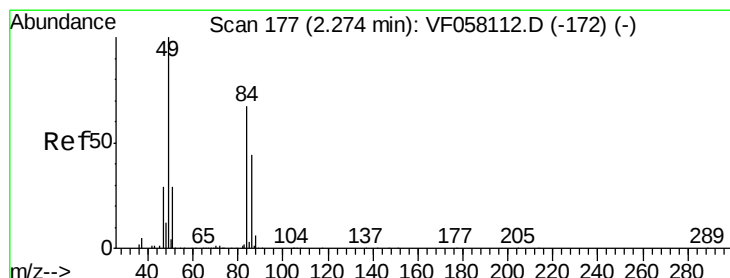
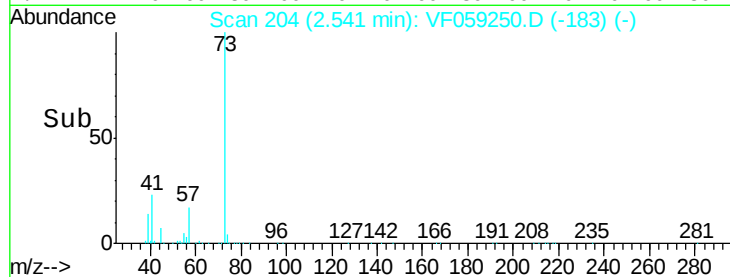
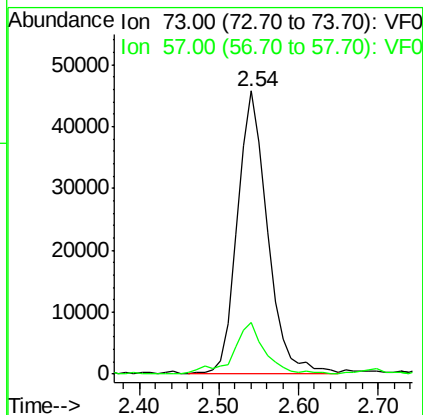
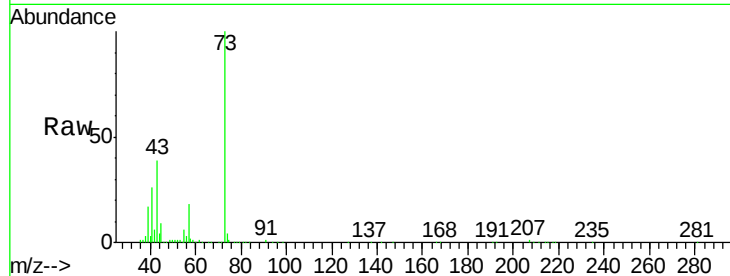


#19

Methyl tert-butyl Ether
Concen: 26.033 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampled :

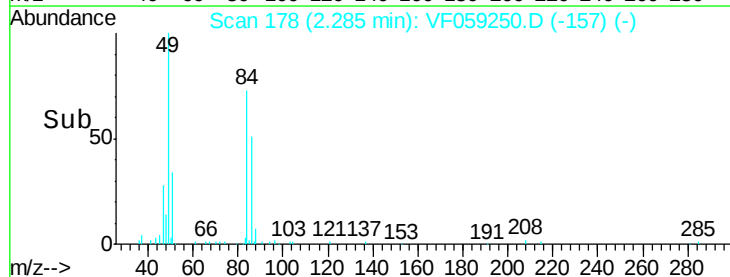
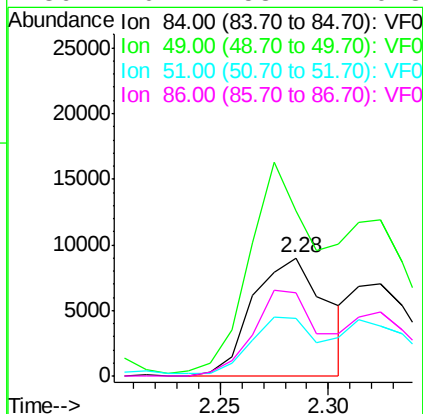
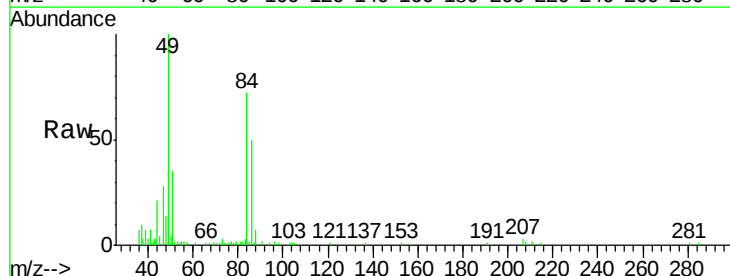
Tot Ion: 73 Resp: 118673
Ion Ratio Lower Upper
73 100
57 18.1 15.0 22.4

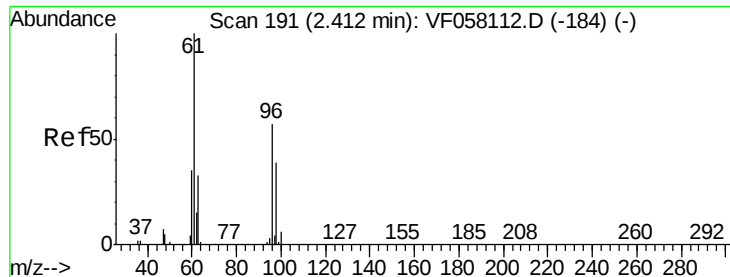


#20

Methylene Chloride
Concen: 13.887 ug/l
RT: 2.28 min Scan# 178
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion: 84 Resp: 21458
Ion Ratio Lower Upper
84 100
49 139.3 121.0 181.4
51 48.6 35.8 53.6
86 70.2 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 20.280 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :

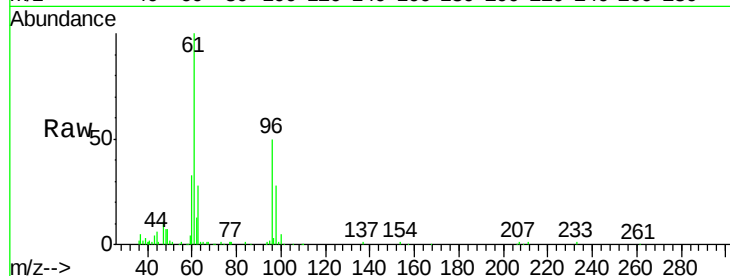
Tot Ion: 96 Resp: 32660

Ion Ratio Lower Upper

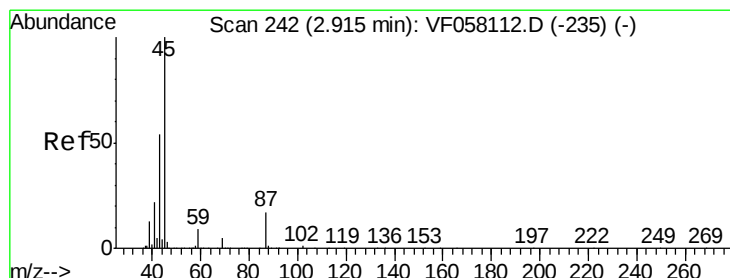
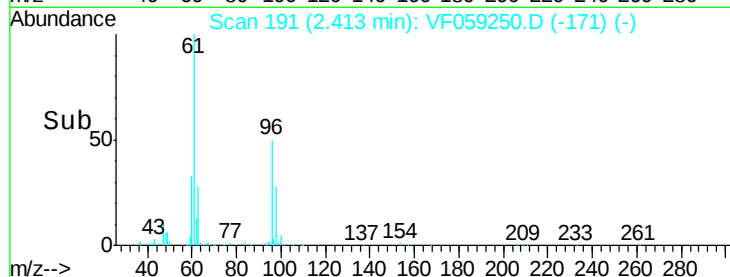
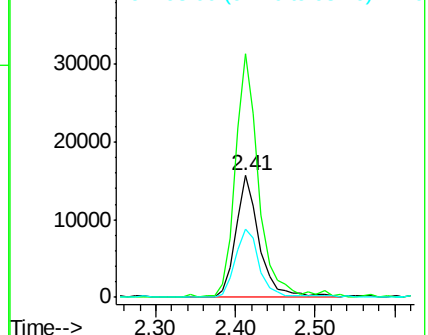
96 100

61 199.8 139.4 209.2

98 55.6 54.0 81.0



Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 23.042 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion: 45 Resp: 130550

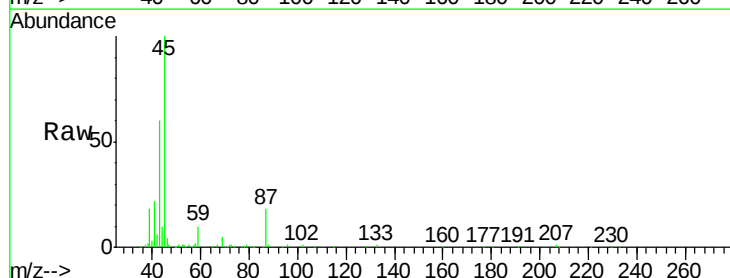
Ion Ratio Lower Upper

45 100

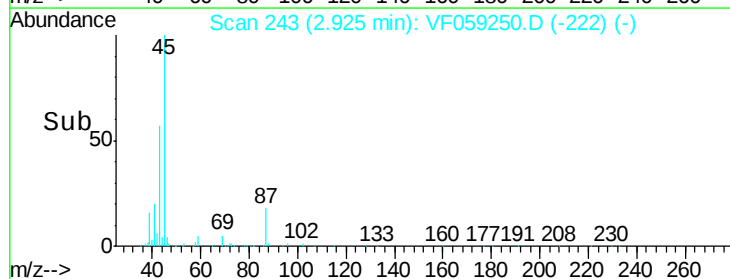
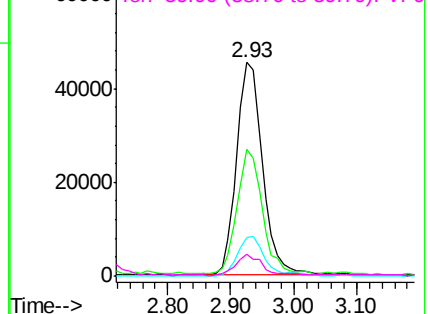
43 59.5 43.2 64.8

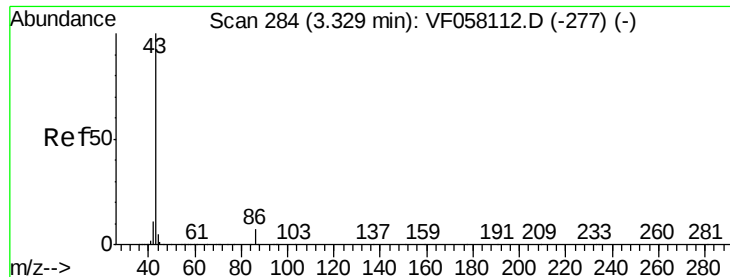
87 17.7 13.8 20.6

59 10.0 7.5 11.3



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 118.108 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

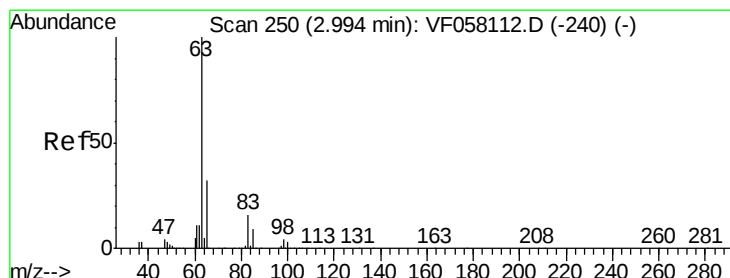
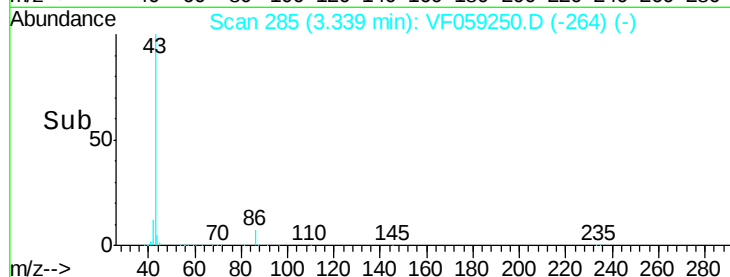
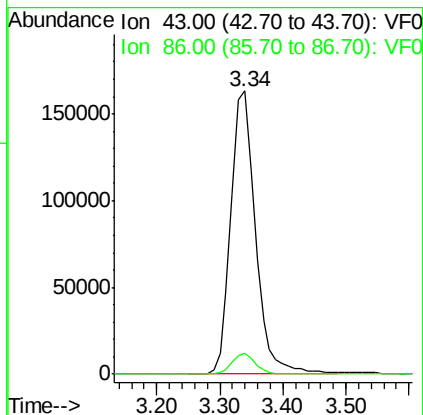
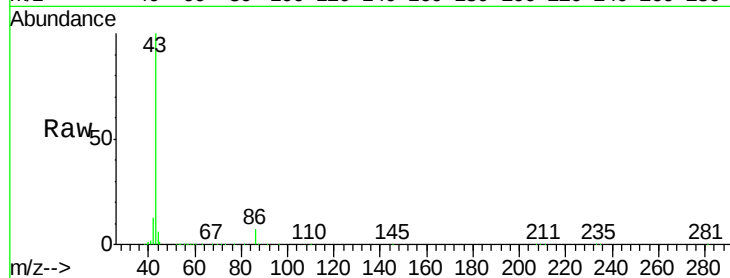
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 441204

Ion Ratio Lower Upper

43 100

86 7.2 6.0 9.0



#24

1,1-Dichloroethane

Concen: 25.023 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

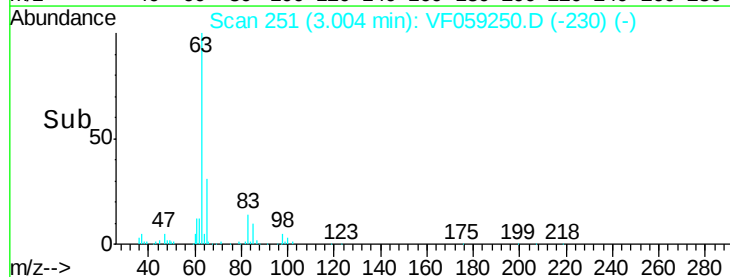
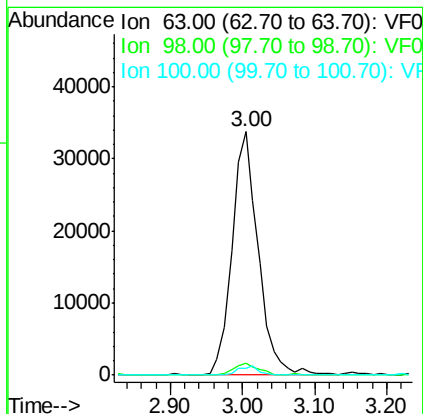
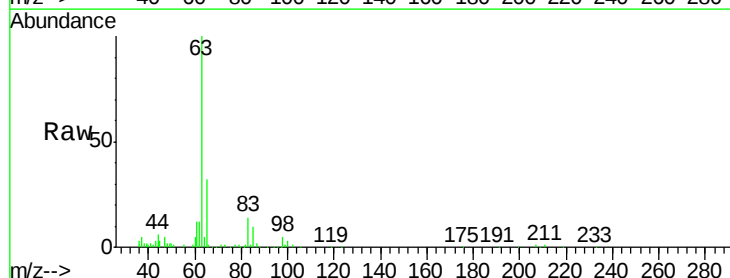
Tgt Ion: 63 Resp: 85948

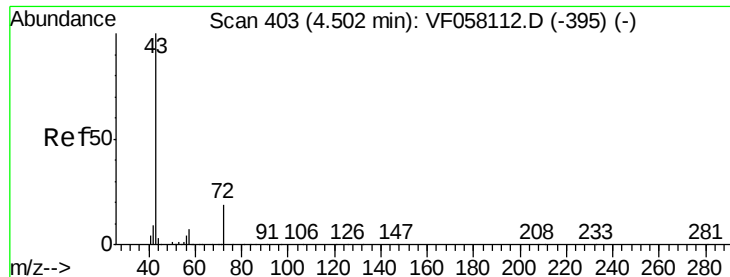
Ion Ratio Lower Upper

63 100

98 4.7 2.0 6.0

100 2.8 1.4 4.0





#25

2-Butanone

Concen: 96.735 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

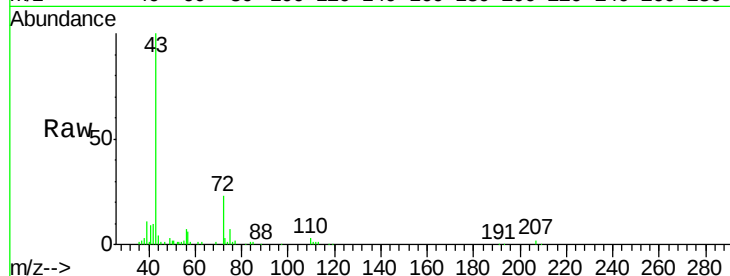
ClientSampleId :

Tot Ion: 43 Resp: 96781

Ion Ratio Lower Upper

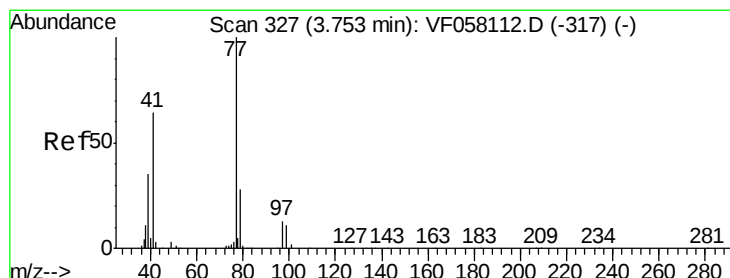
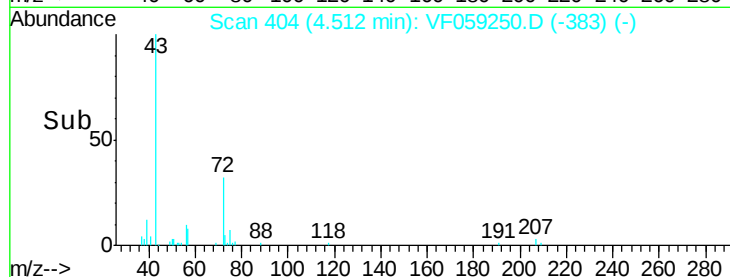
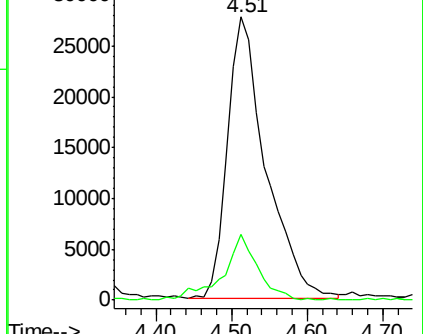
43 100

72 23.4 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 20.467 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059250.D

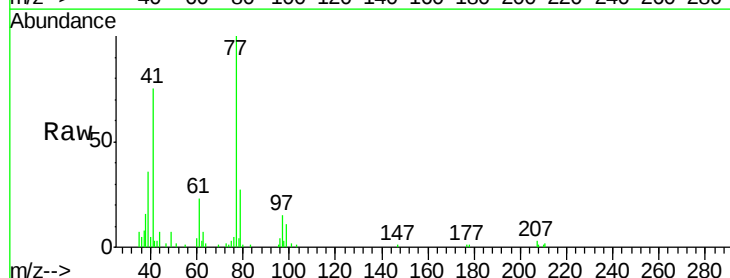
Acq: 21 Jun 2018 4:24

Tgt Ion: 77 Resp: 51001

Ion Ratio Lower Upper

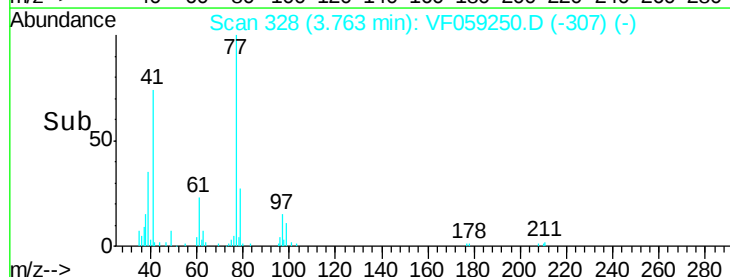
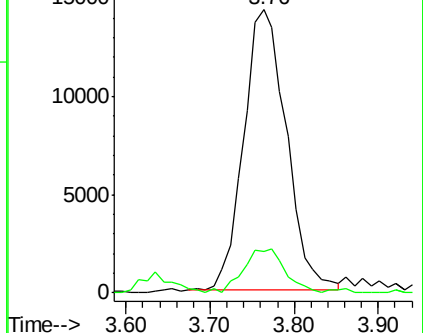
77 100

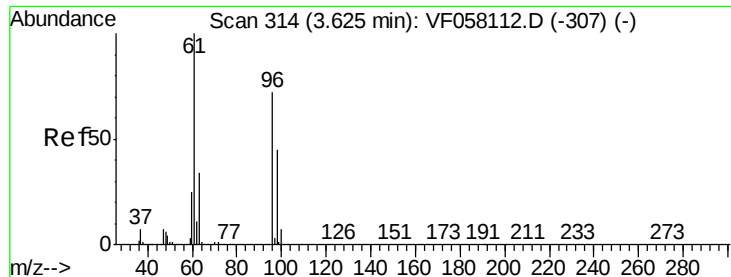
97 14.8 7.2 21.6



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



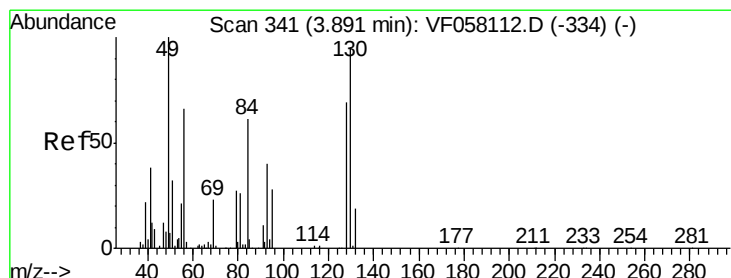
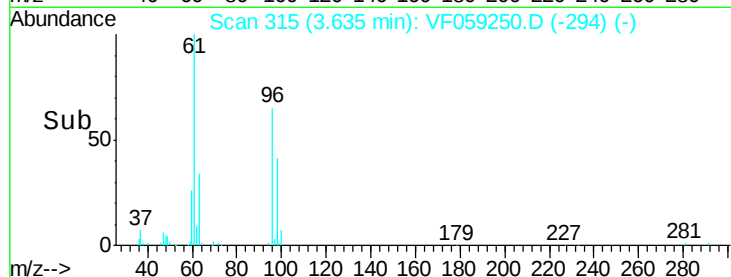
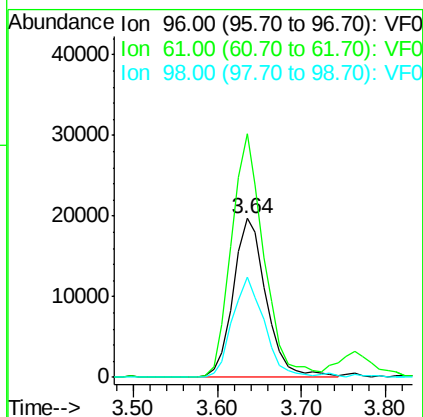
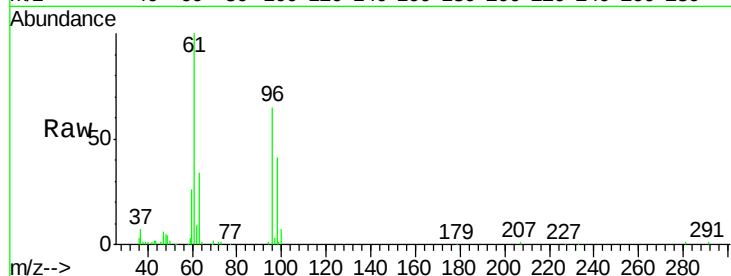


#27

cis-1,2-Dichloroethene
Concen: 21.764 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :

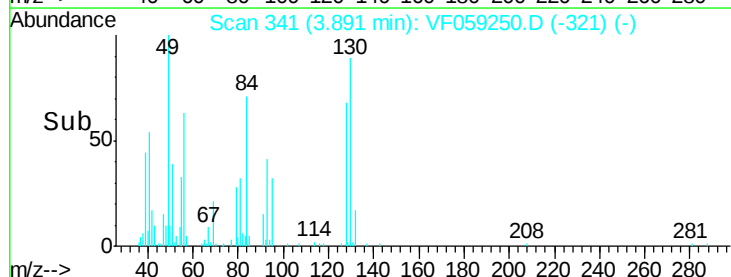
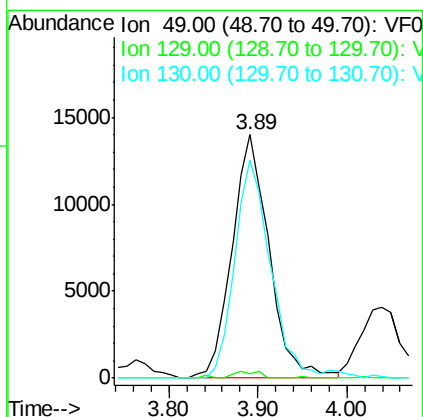
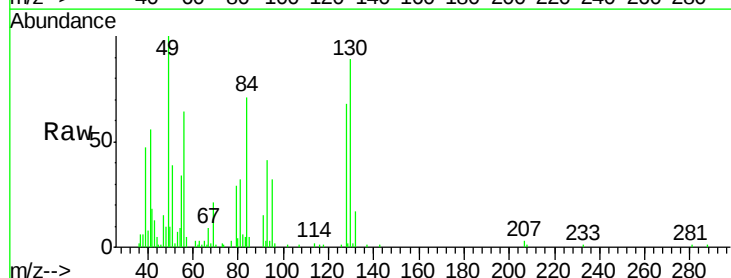
Tot Ion	Ratio	Lower	Upper
96	100		
61	153.2	0.0	278.6
98	62.7	0.0	125.2

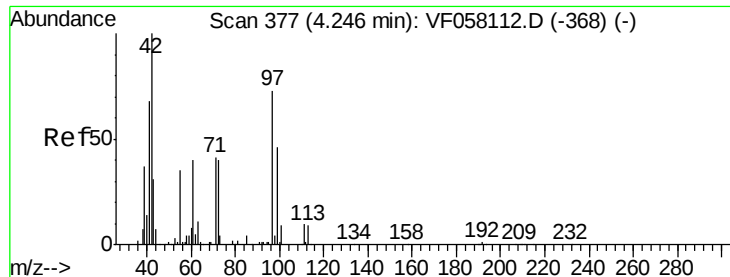


#28

Bromochloromethane
Concen: 26.226 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	0.0#
130	89.3	75.8	113.8

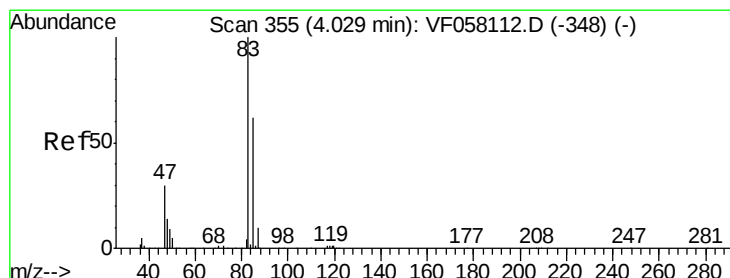
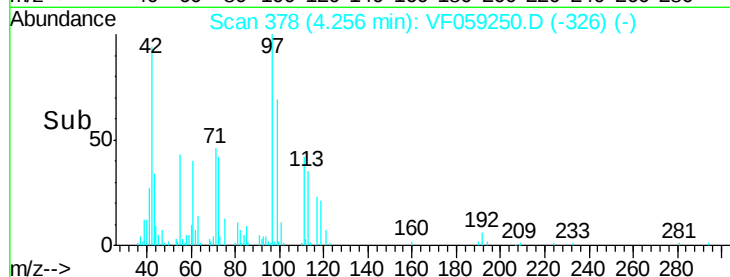
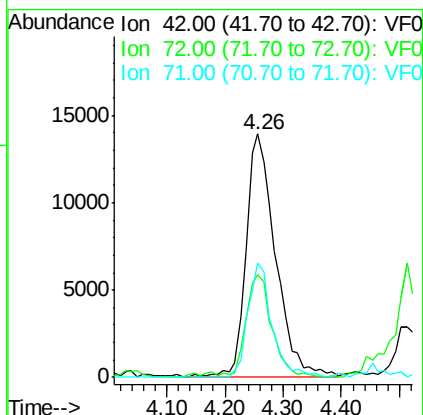
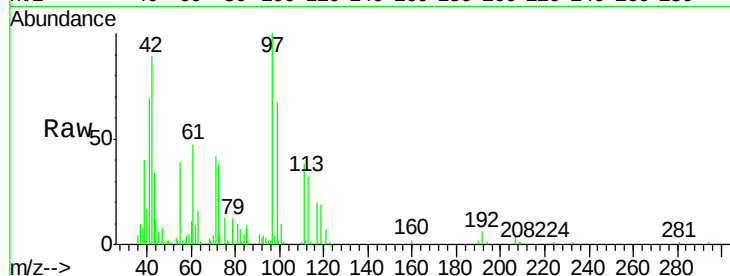




#29
Tetrahydrofuran
Concen: 112.529 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

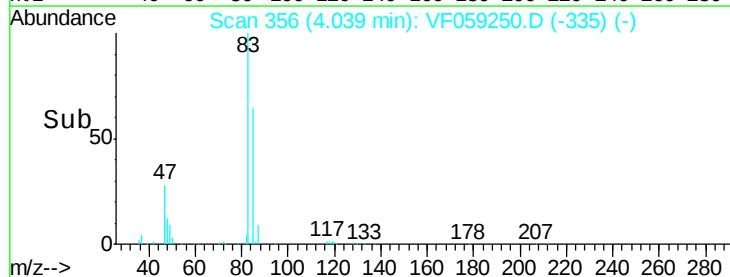
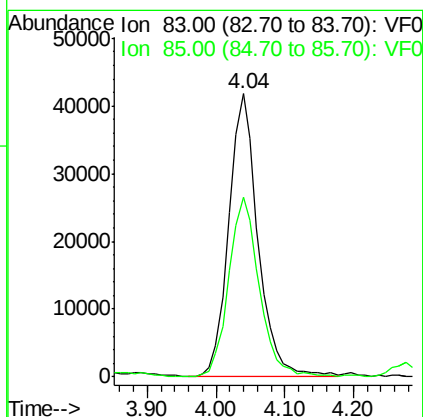
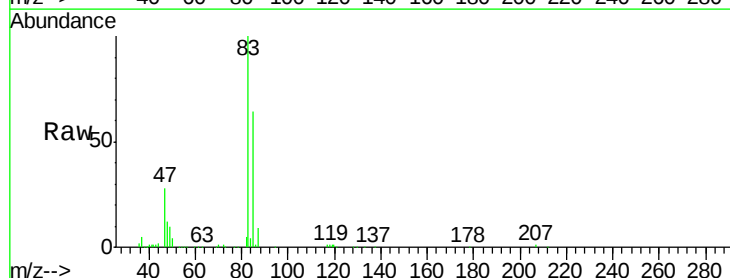
Instrument :
MSVOA_F
ClientSampleId :

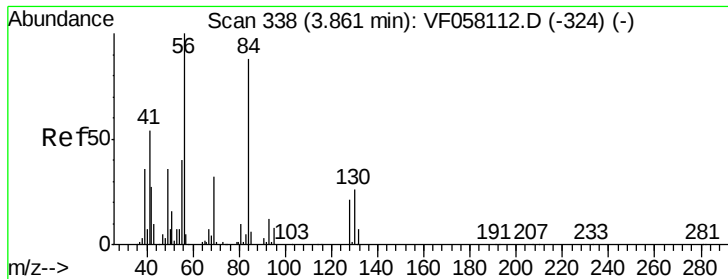
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	30.5	45.7
71	38.1	31.5	47.3



#30
Chloroform
Concen: 25.047 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	49.5	74.3

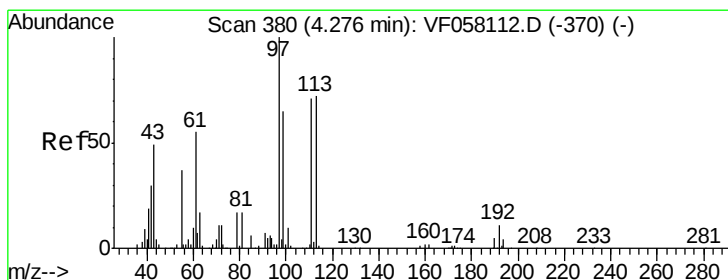
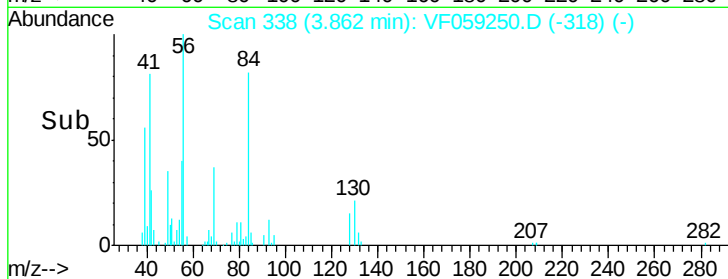
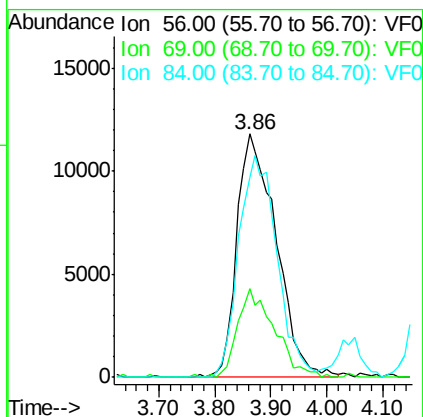
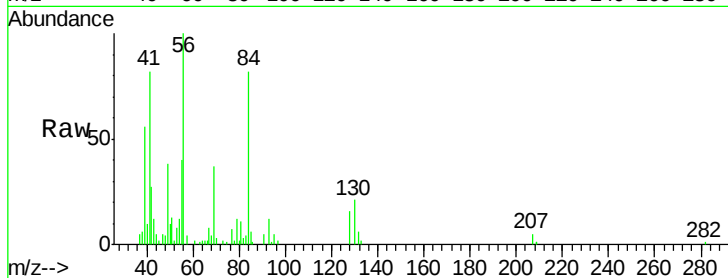




#31
Cyclohexane
Concen: 19.102 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

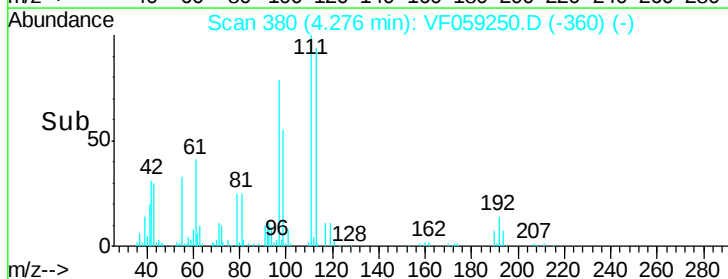
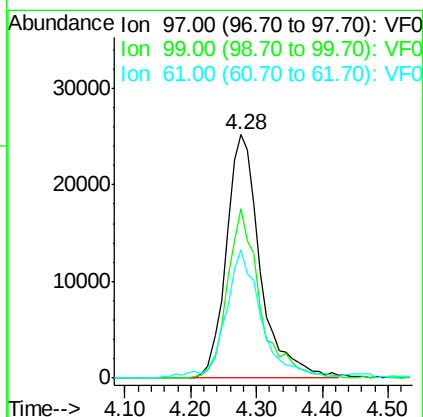
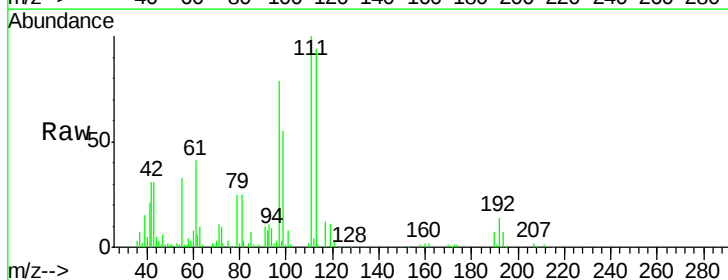
Instrument :
MSVOA_F
ClientSampleId :

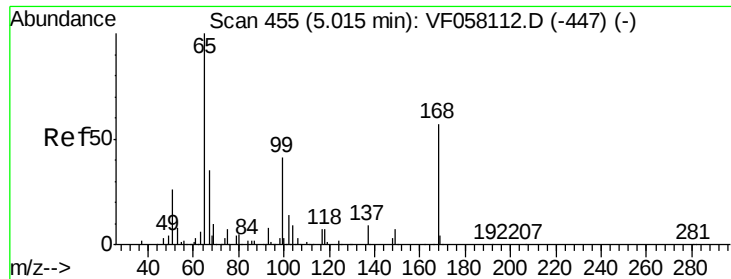
Tot Ion	56	Resp	57316
Ion	Ratio	Lower	Upper
56	100		
69	36.6	25.9	38.9
84	82.3	70.3	105.5



#32
1,1,1-Trichloroethane
Concen: 24.887 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	97	Resp	91294
Ion	Ratio	Lower	Upper
97	100		
99	69.5	52.0	78.0
61	52.6	44.3	66.5

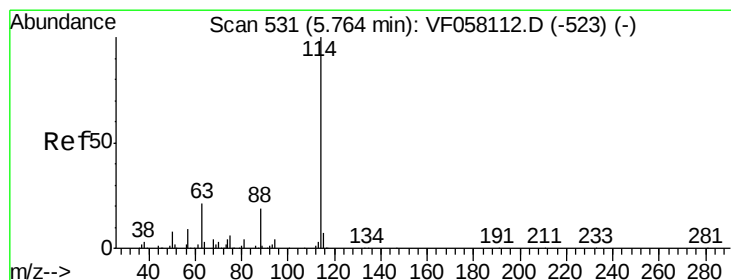
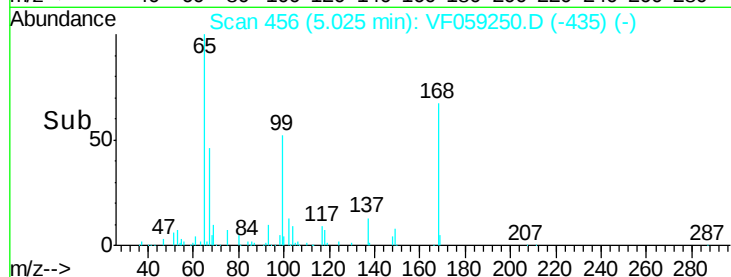
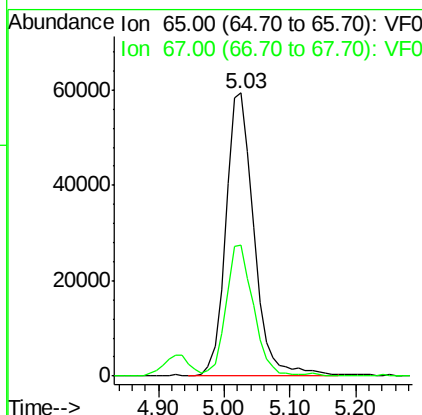
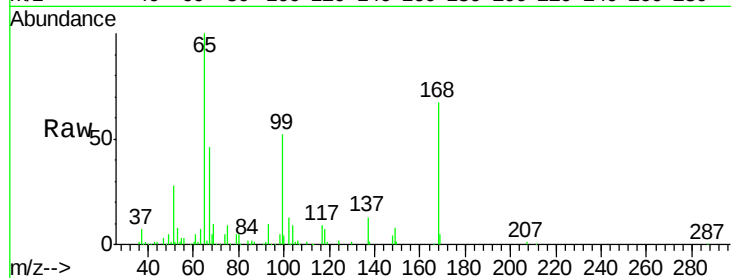




#33
 1,2-Dichloroethane-d4
 Concen: 65.341 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

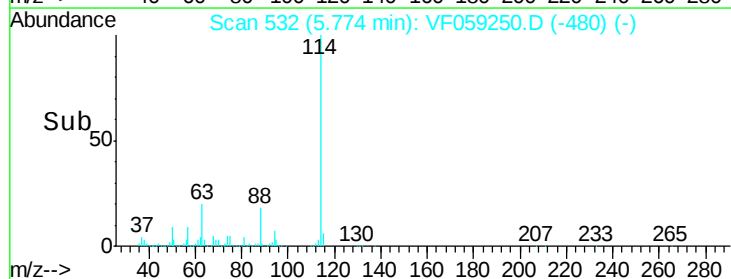
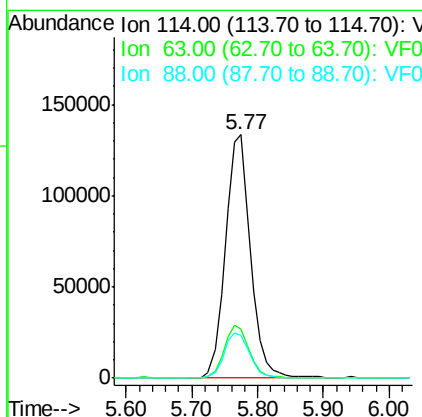
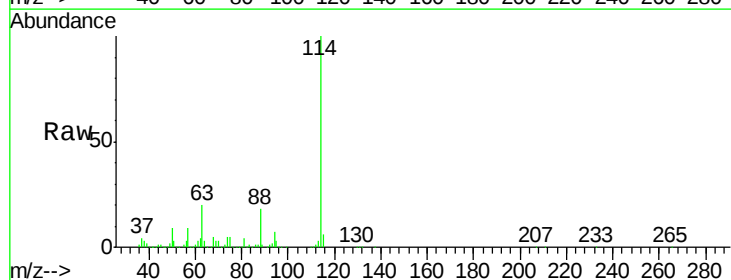
Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 65 Resp: 176605
 Ion Ratio Lower Upper
 65 100
 67 46.1 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

Tgt Ion:114 Resp: 357019
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.6
 88 17.7 0.0 38.8

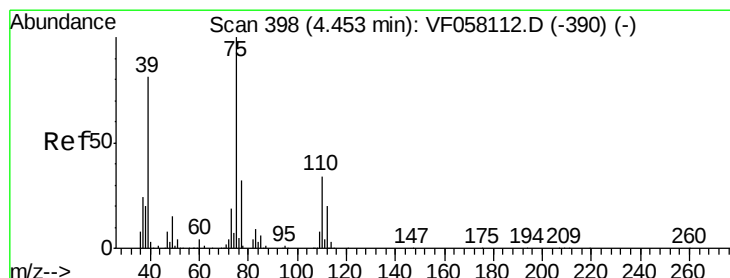
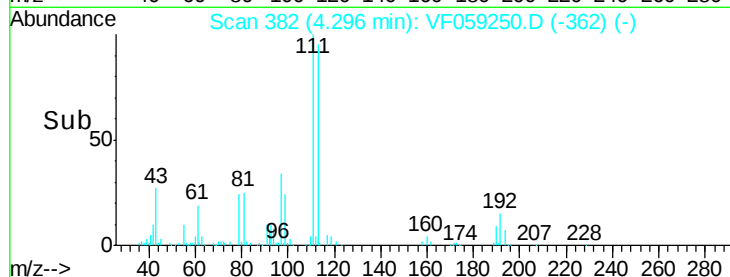
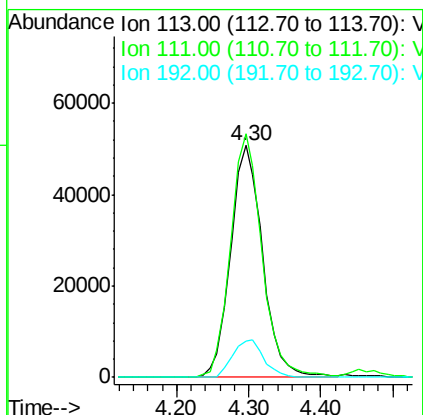
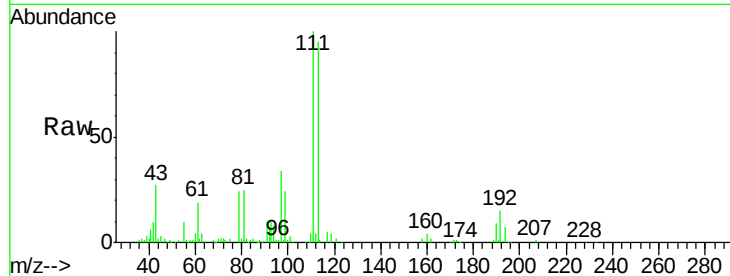




#35
 Dibromofluoromethane
 Concen: 62.789 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

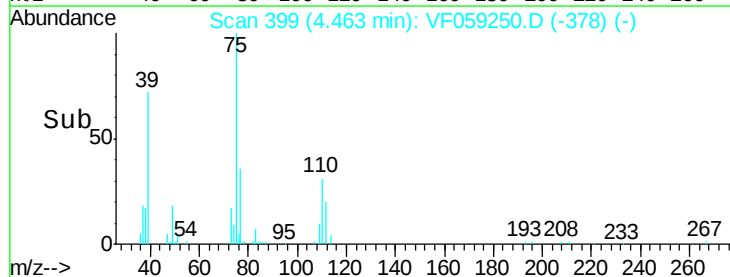
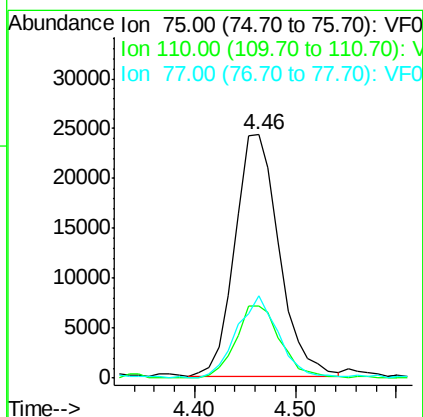
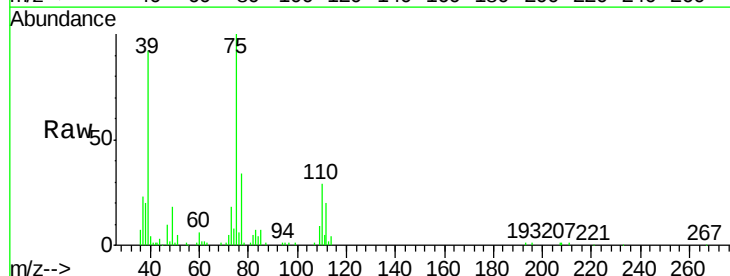
Instrument :
 MSVOA_F
 ClientSampleId :

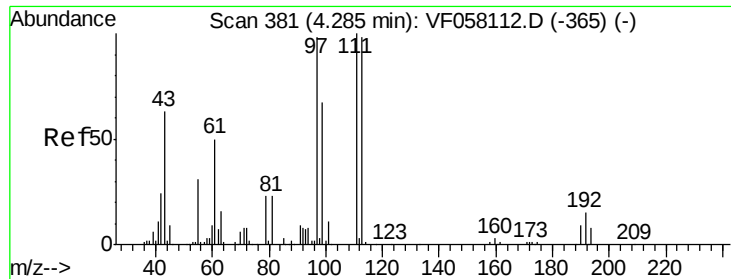
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.2	81.3	121.9
192	15.4	12.7	19.1



#36
 1,1-Dichloropropene
 Concen: 21.410 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. 0.01 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.4	17.0	50.9
77	33.7	25.3	37.9

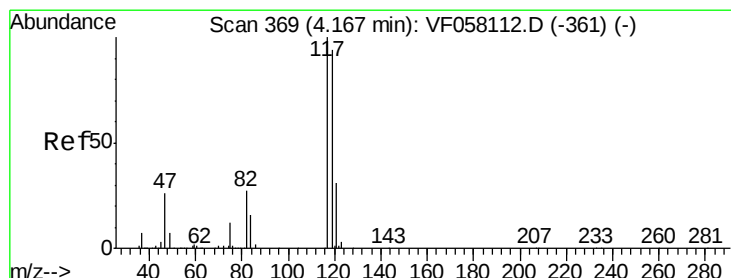
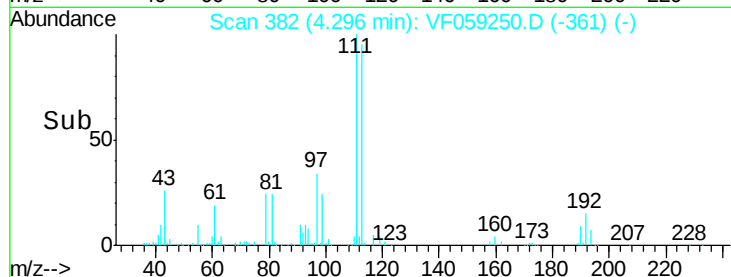
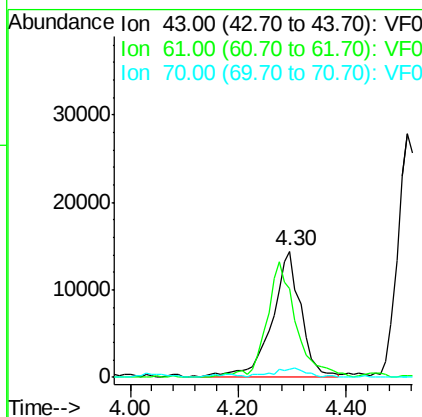
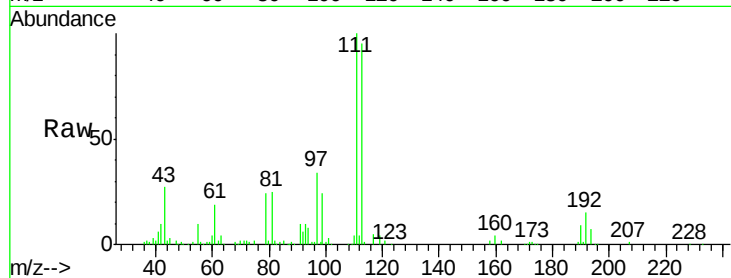




#37
Ethyl Acetate
Concen: 25.291 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

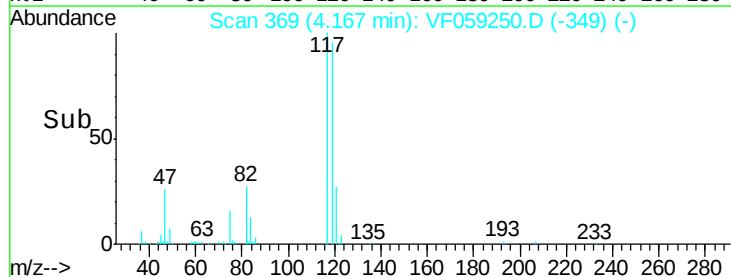
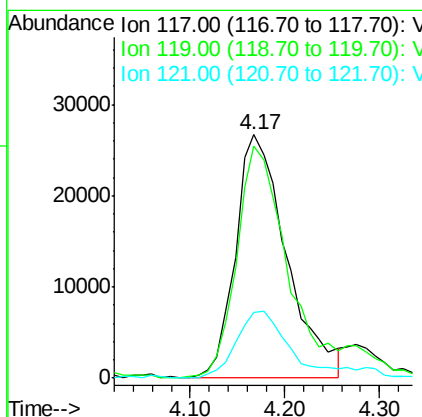
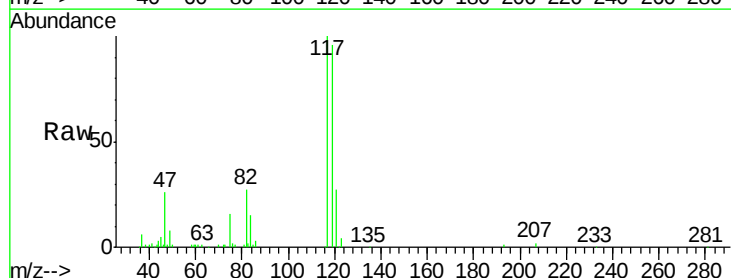
Instrument :
MSVOA_F
ClientSampled :

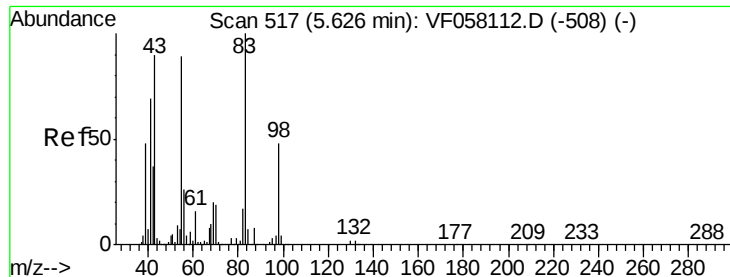
Tot Ion: 43 Resp: 54078
Ion Ratio Lower Upper
43 100
61 70.3 63.0 94.4
70 6.8 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 26.845 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion: 117 Resp: 100681
Ion Ratio Lower Upper
117 100
119 95.6 75.7 113.5
121 27.2 24.8 37.2

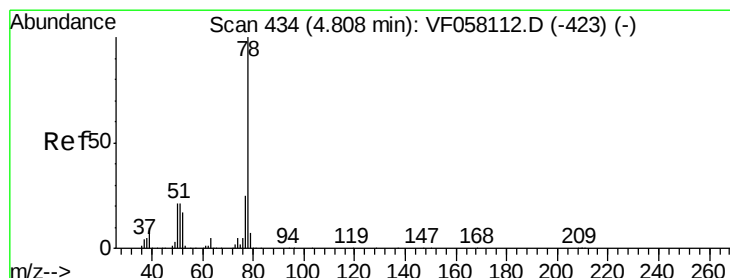
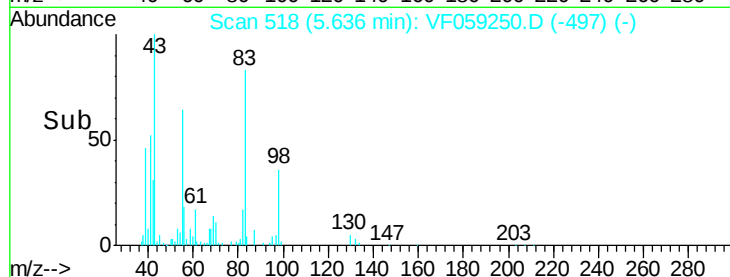
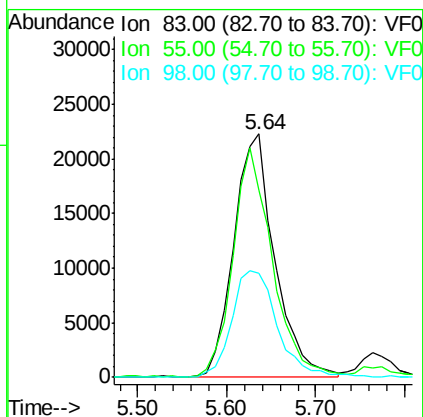
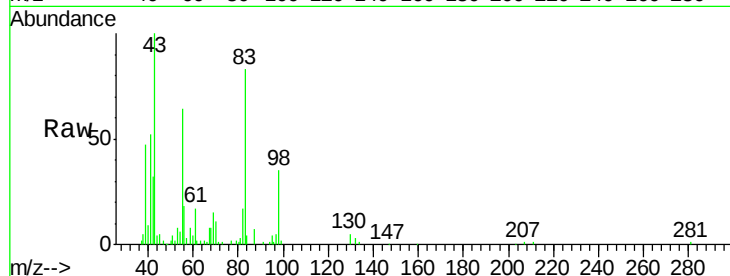




#39
Methvlcvclohexane
Concen: 20.299 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

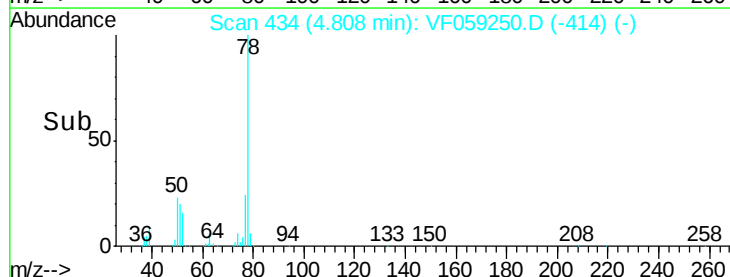
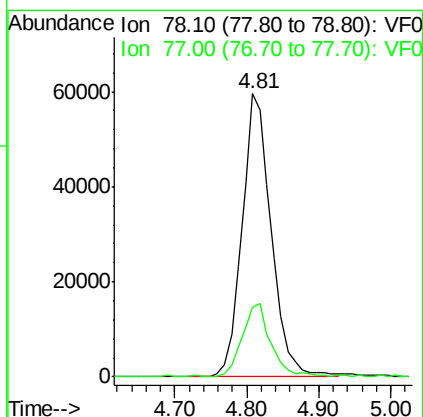
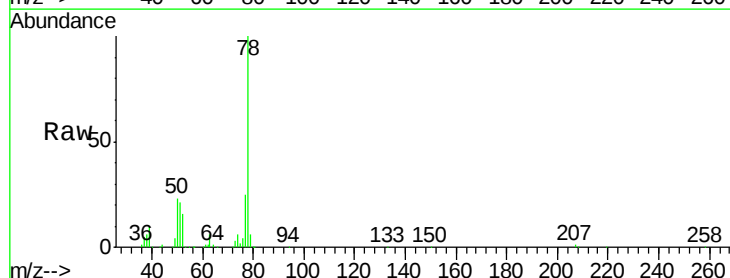
Instrument :
MSVOA_F
ClientSampled :

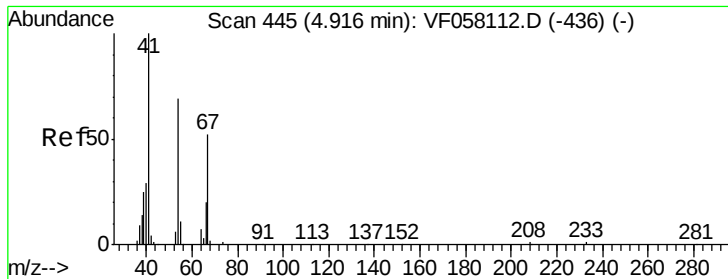
Tot Ion: 83 Resp: 71602
Ion Ratio Lower Upper
83 100
55 77.0 71.0 106.4
98 42.6 38.1 57.1



#40
Benzene
Concen: 20.953 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion: 78 Resp: 168304
Ion Ratio Lower Upper
78 100
77 24.6 20.2 30.2





#41

Methacrylonitrile

Concen: 24.359 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 25589

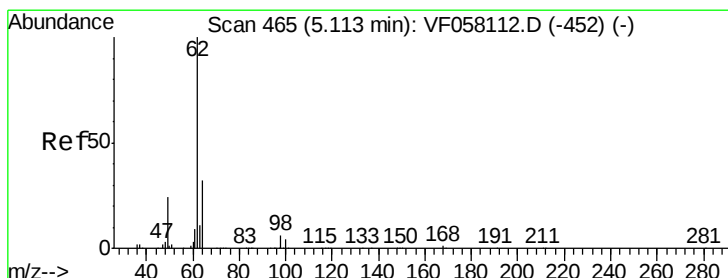
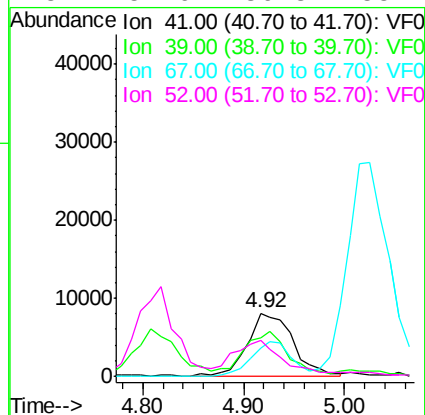
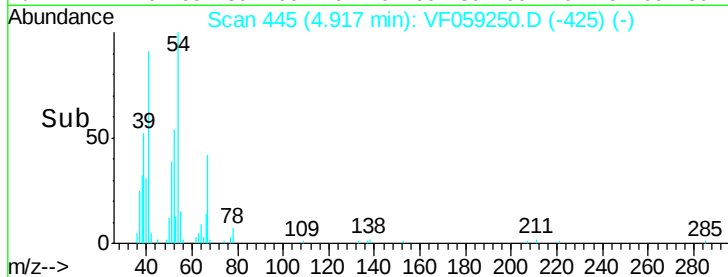
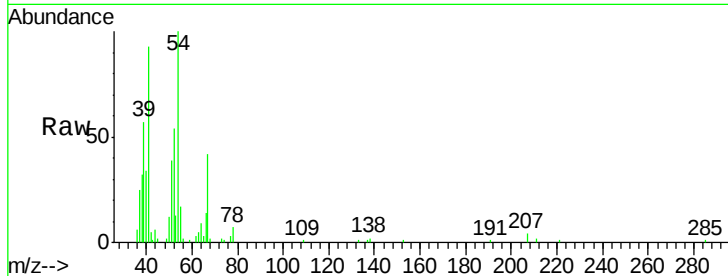
Ion Ratio Lower Upper

41 100

39 60.5 53.0 79.4

67 44.5 41.0 61.6

52 57.6 36.8 55.2#



#42

1,2-Dichloroethane

Concen: 28.705 ug/l

RT: 5.12 min Scan# 466

Delta R.T. 0.01 min

Lab File: VF059250.D

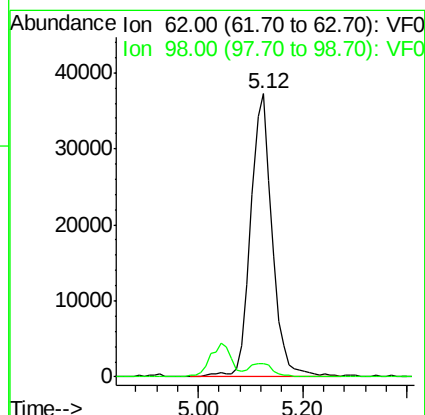
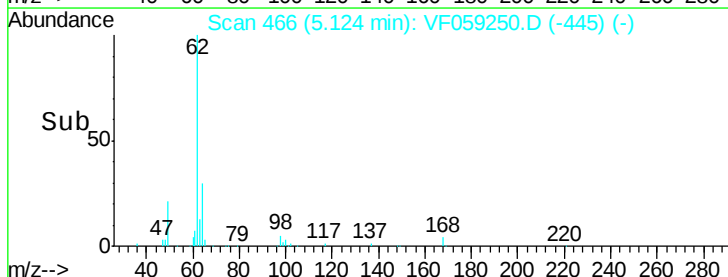
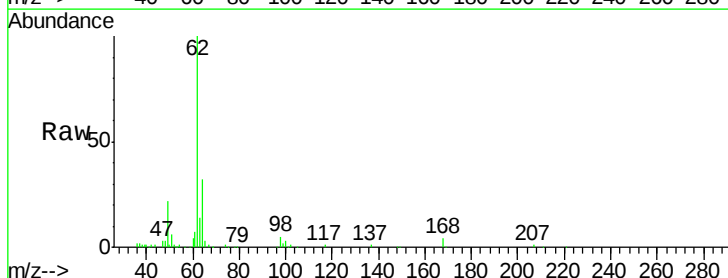
Acq: 21 Jun 2018 4:24

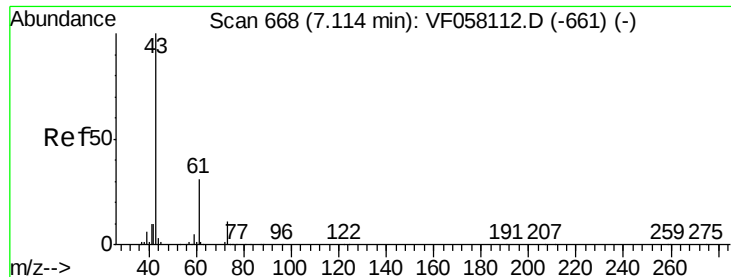
Tgt Ion: 62 Resp: 103409

Ion Ratio Lower Upper

62 100

98 4.9 0.0 11.8





#43

Isopropyl Acetate

Concen: 21.141 ug/l

RT: 7.11 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

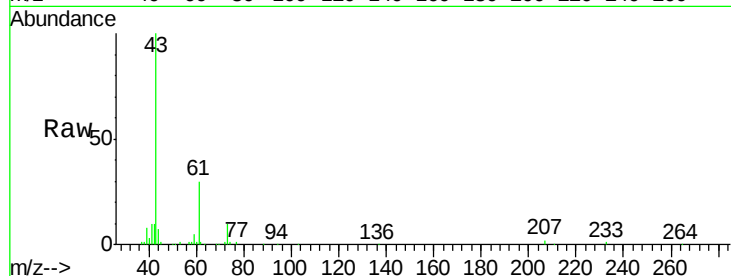
Tot Ion: 43 Resp: 60539

Ion Ratio Lower Upper

43 100

61 30.0 25.1 37.7

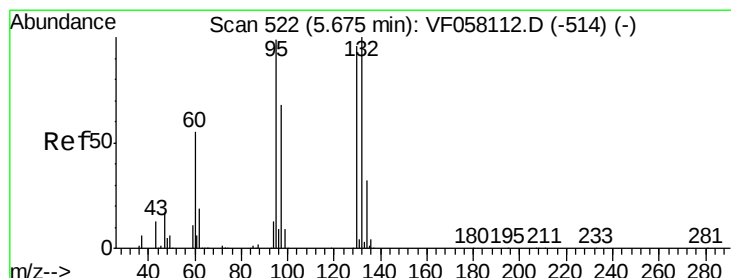
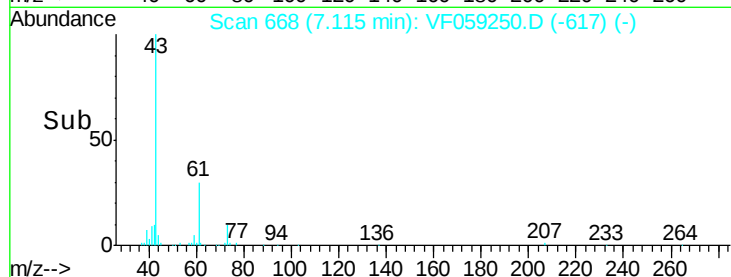
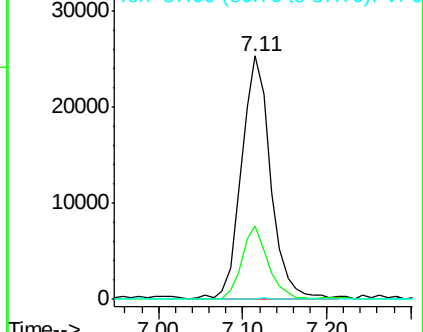
87 0.0 0.2 0.4#



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: 23.447 ug/l

RT: 5.68 min Scan# 522

Delta R.T. 0.00 min

Lab File: VF059250.D

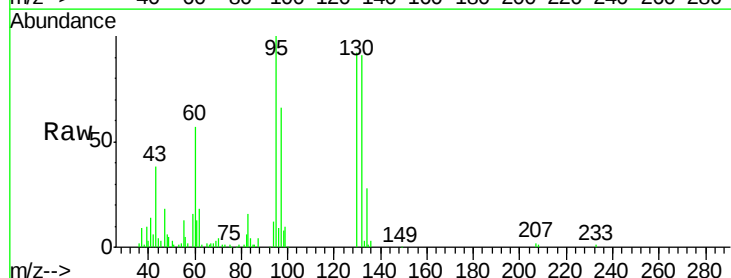
Acq: 21 Jun 2018 4:24

Tgt Ion:130 Resp: 58847

Ion Ratio Lower Upper

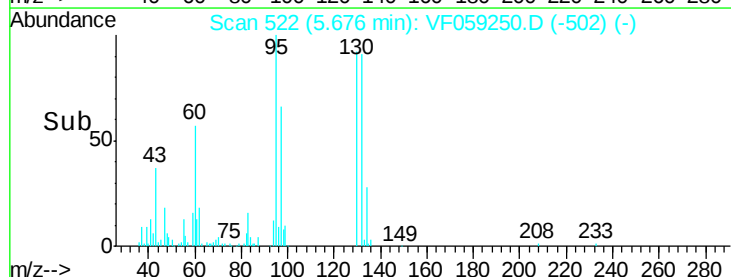
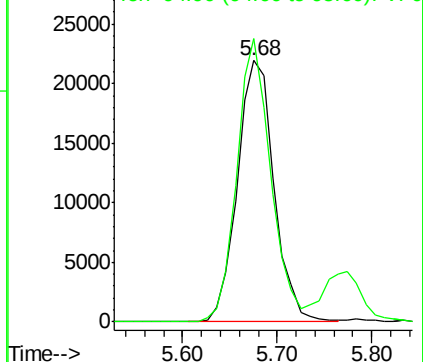
130 100

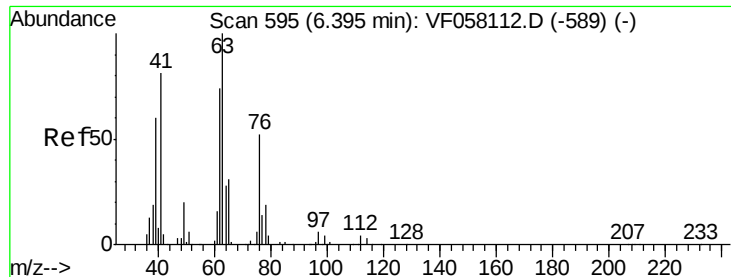
95 108.3 0.0 206.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.019 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

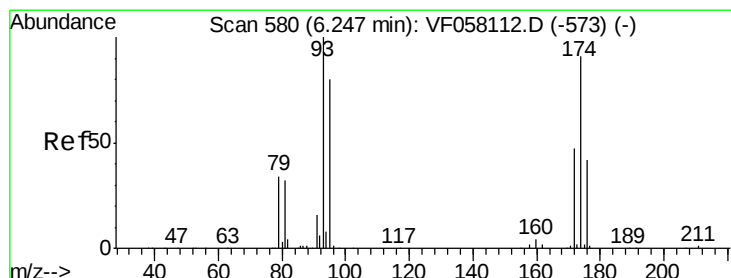
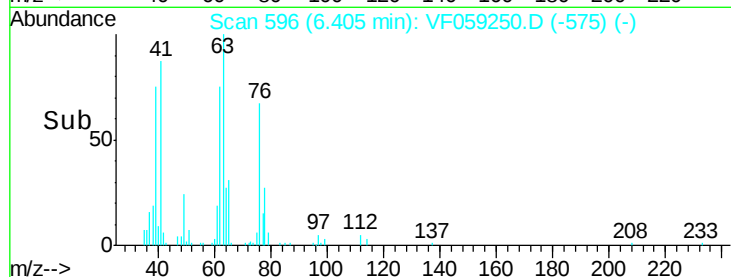
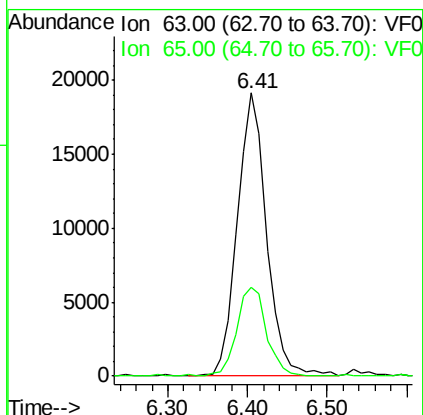
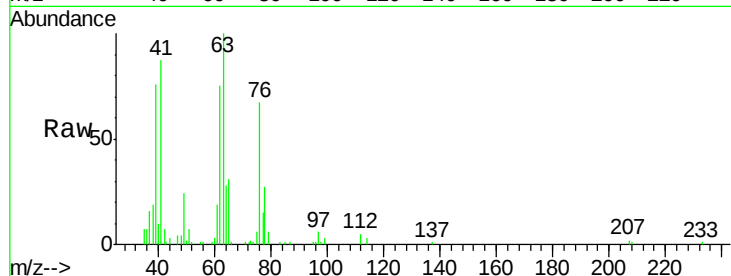
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 48681

Ion Ratio Lower Upper

63 100

65 32.0 24.6 37.0



#46

Dibromomethane

Concen: 23.959 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

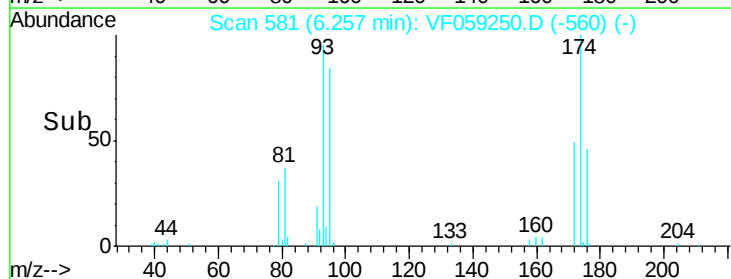
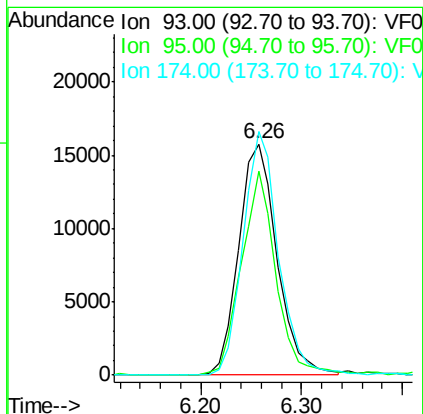
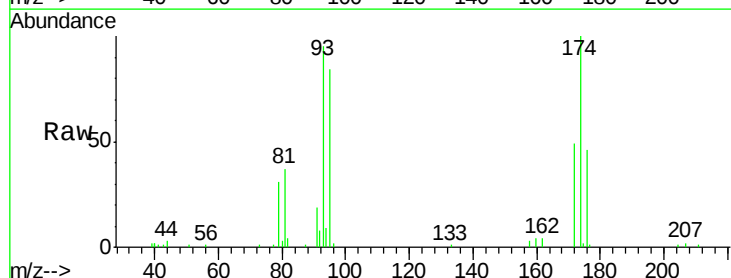
Tgt Ion: 93 Resp: 41749

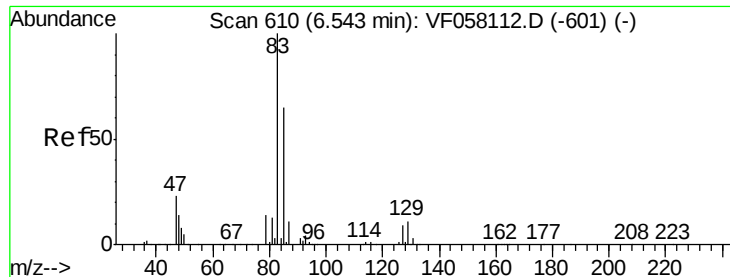
Ion Ratio Lower Upper

93 100

95 88.3 64.2 96.4

174 105.3 72.7 109.1





#47

Bromodichloromethane

Concen: 24.455 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :

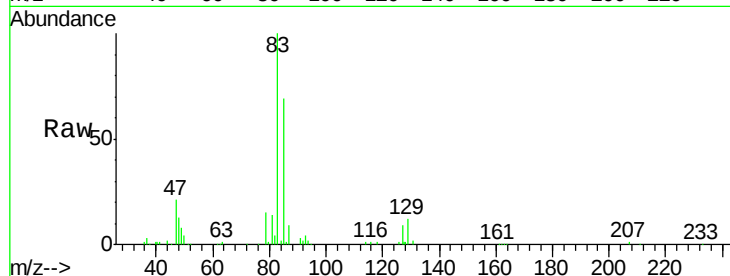
Tot Ion: 83 Resp: 96945

Ion Ratio Lower Upper

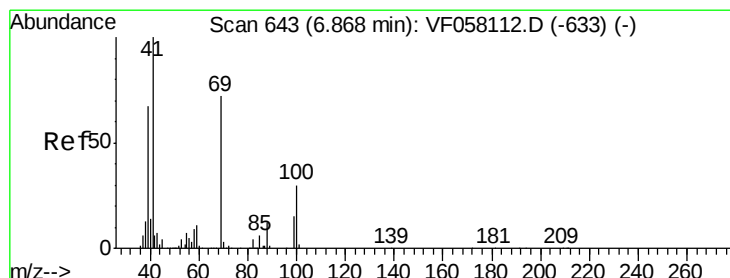
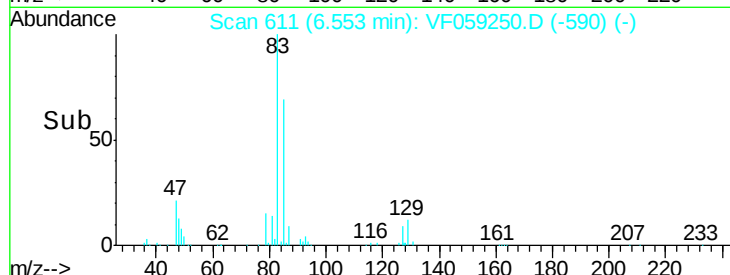
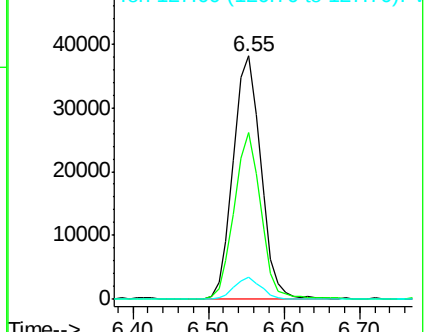
83 100

85 68.8 51.6 77.4

127 10.0 7.2 10.8



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



#48

Methyl methacrylate

Concen: 22.703 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

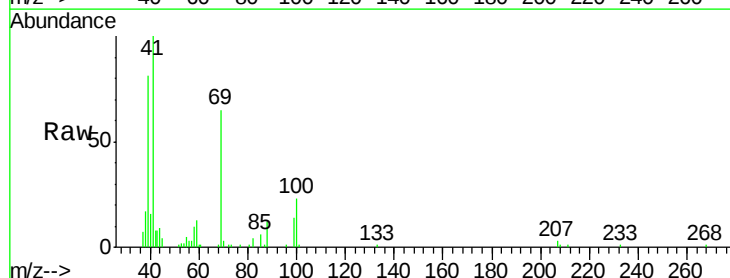
Tgt Ion: 41 Resp: 40078

Ion Ratio Lower Upper

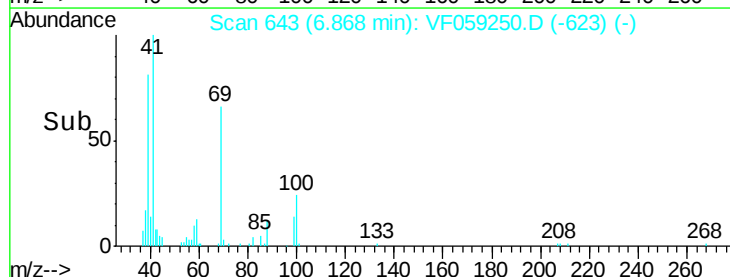
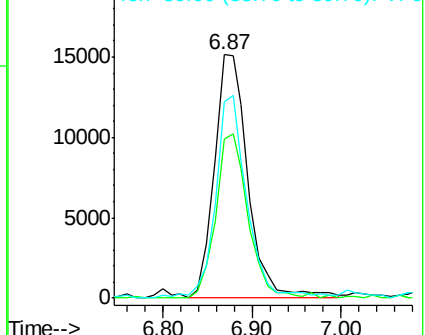
41 100

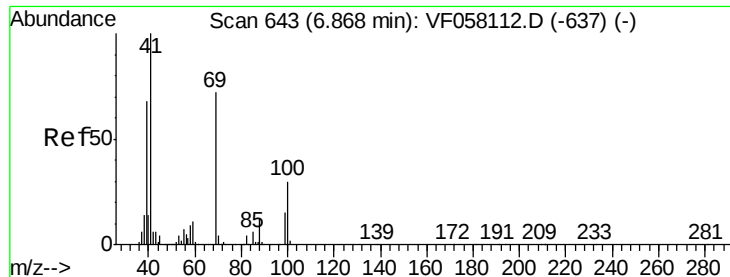
69 65.4 57.2 85.8

39 80.6 54.3 81.5



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 320.266 ug/l

RT: 6.87 min Scan# 643

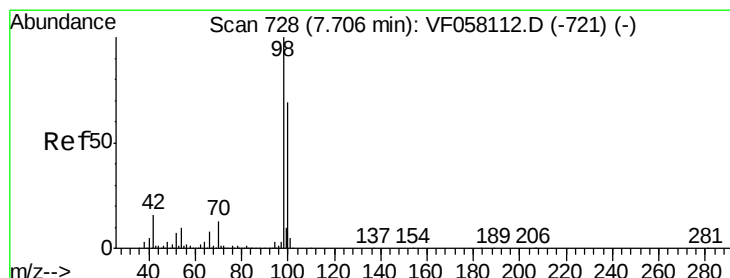
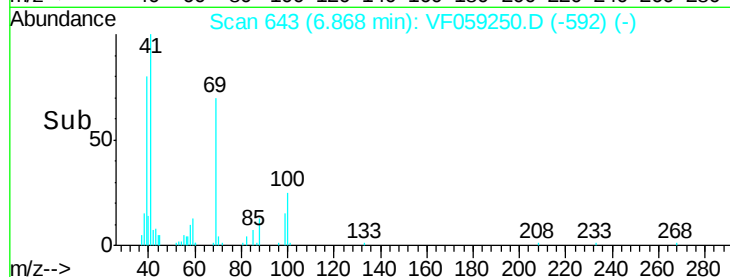
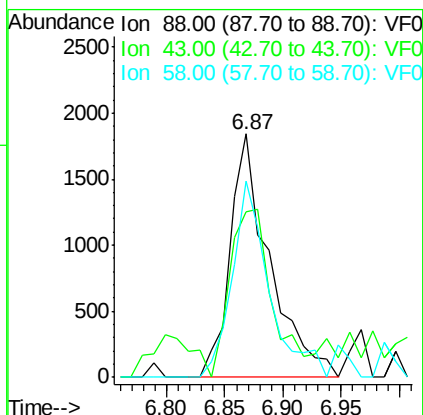
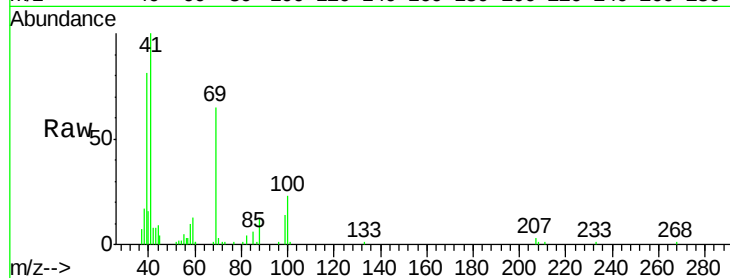
Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	88	Resp:	4312
Ion	Ratio	Lower	Upper
88	100		
43	68.0	47.8	71.8
58	80.7	59.4	89.0



#50

Toluene-d8

Concen: 52.016 ug/l

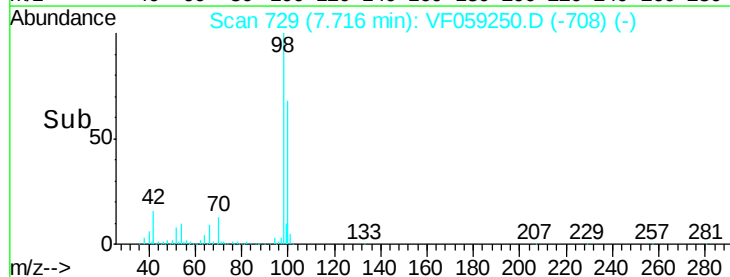
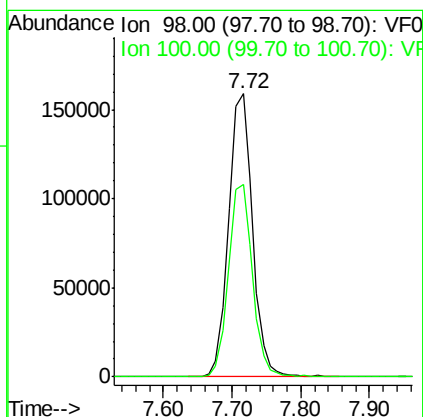
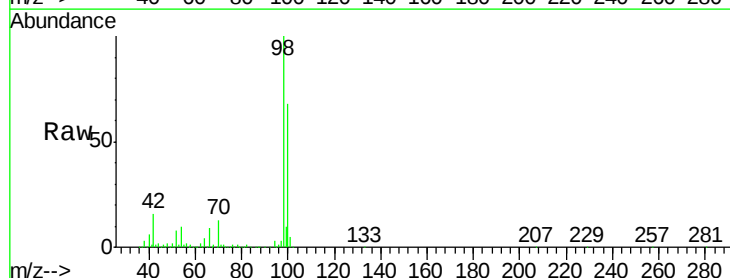
RT: 7.72 min Scan# 729

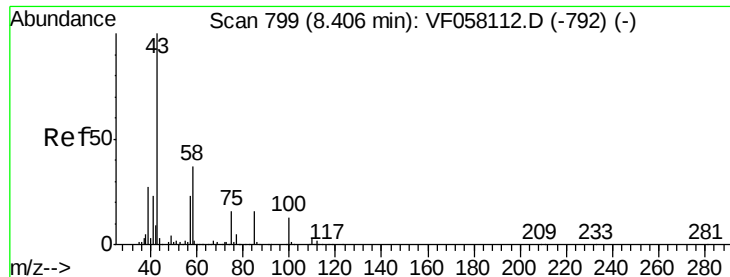
Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion:	98	Resp:	382814
Ion	Ratio	Lower	Upper
98	100		
100	67.9	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 120.748 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

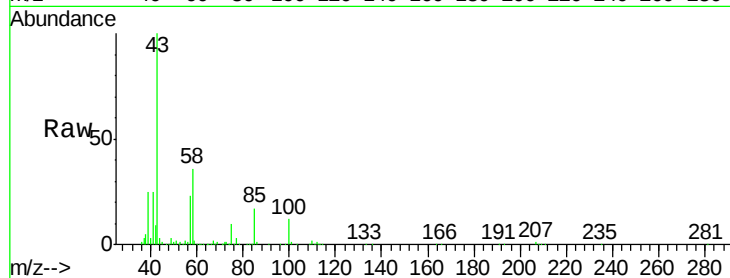
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 236995

Ion Ratio Lower Upper

43 100

58 35.9 29.4 44.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

120000

100000

80000

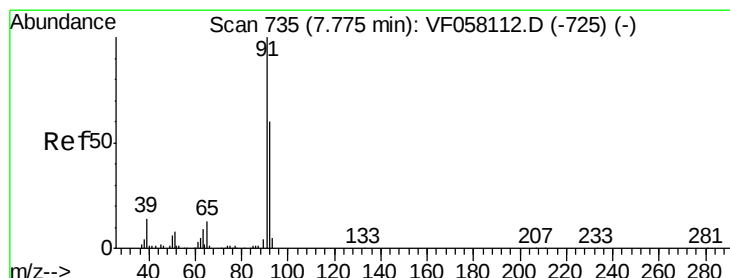
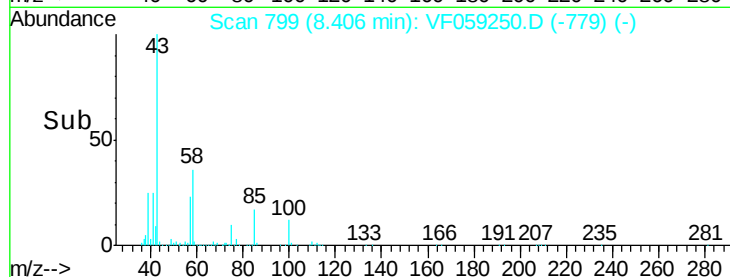
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 20.645 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059250.D

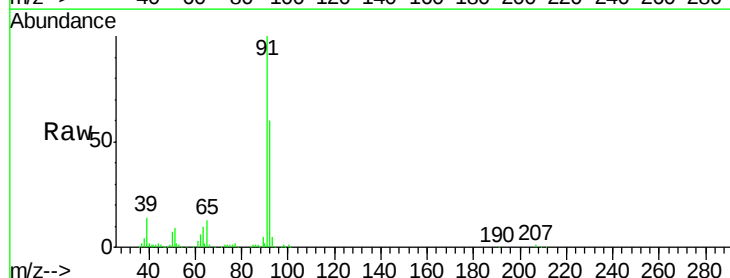
Acq: 21 Jun 2018 4:24

Tgt Ion: 92 Resp: 119440

Ion Ratio Lower Upper

92 100

91 165.4 132.9 199.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

100000

80000

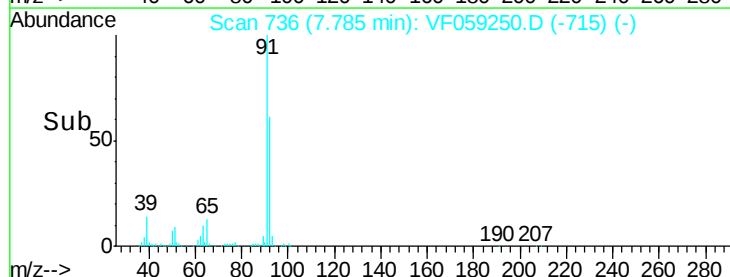
60000

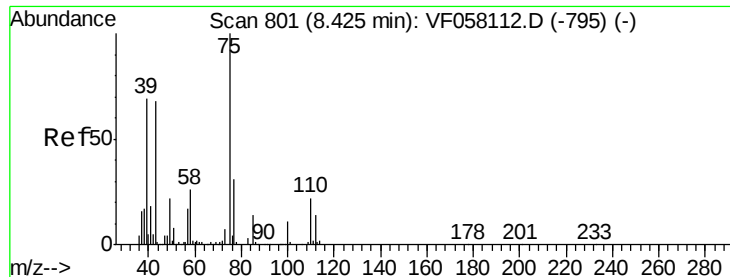
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 23.093 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

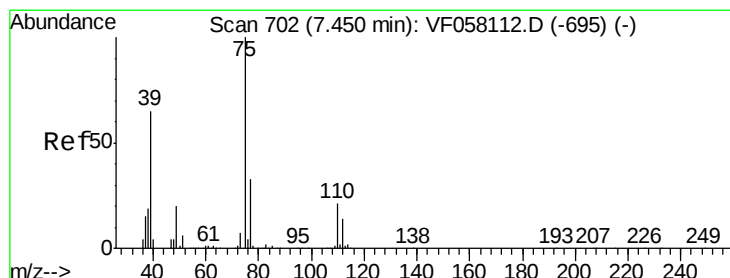
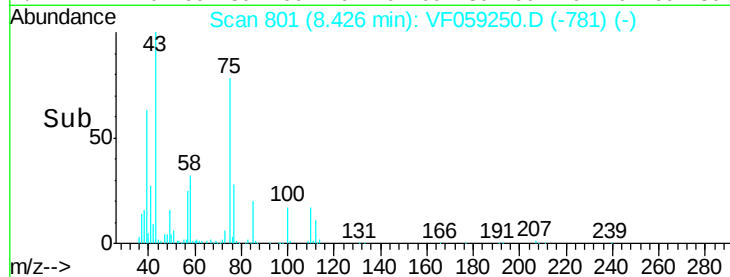
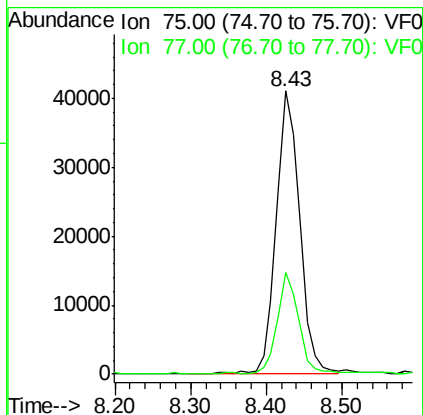
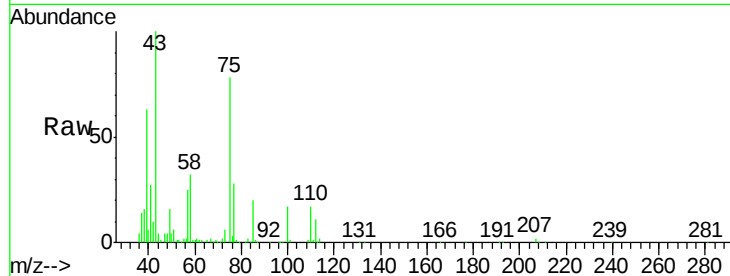
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 88658

Ion Ratio Lower Upper

75 100

77 36.0 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.577 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

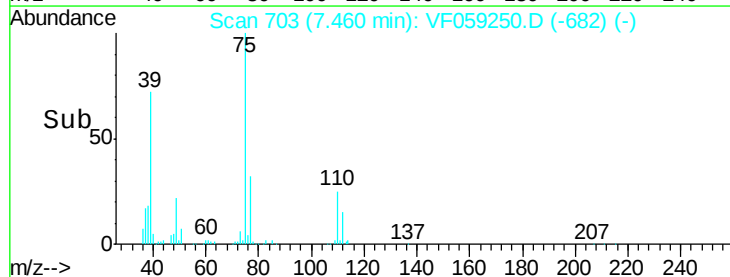
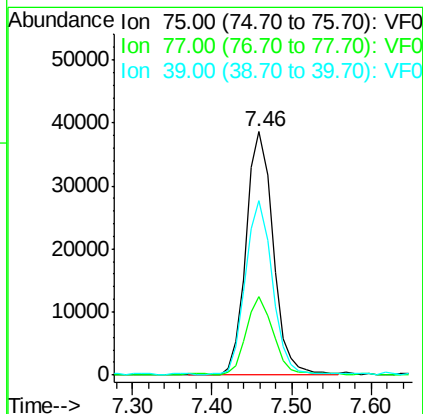
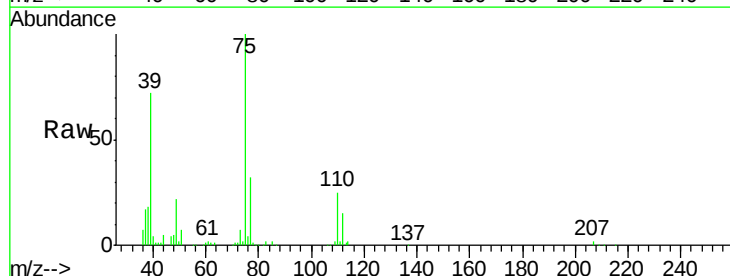
Tgt Ion: 75 Resp: 90748

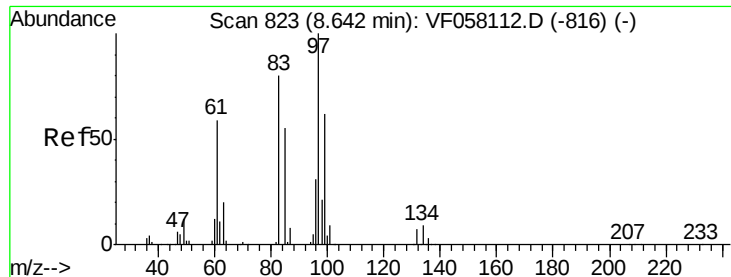
Ion Ratio Lower Upper

75 100

77 32.3 26.3 39.5

39 71.5 52.1 78.1

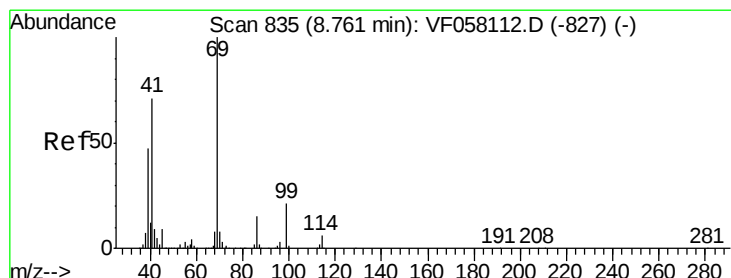
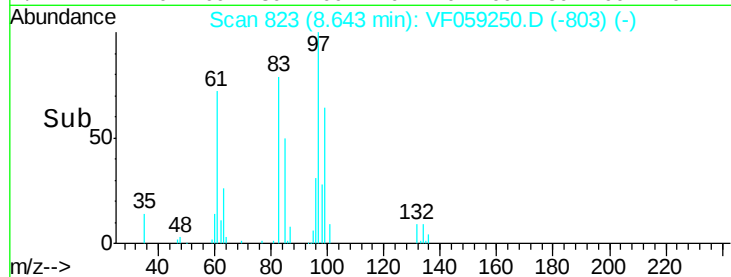
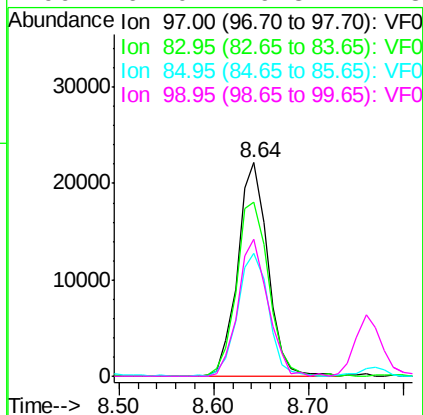
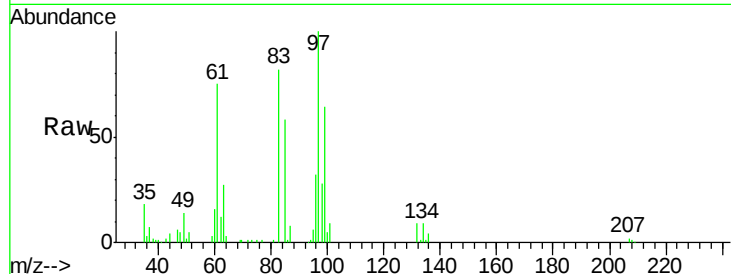




#55
 1,1,2-Trichloroethane
 Concen: 23.358 ug/l
 RT: 8.64 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

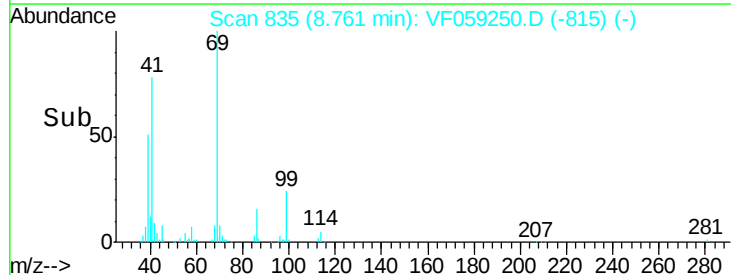
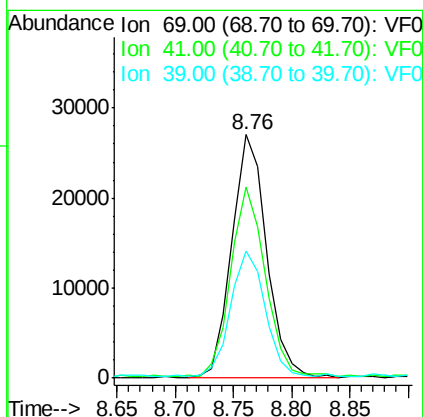
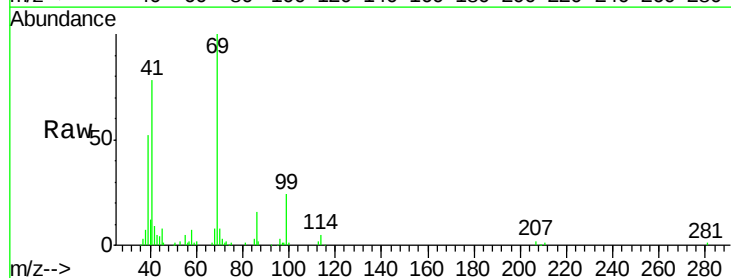
Instrument :
 MSVOA_F
 ClientSampleId :

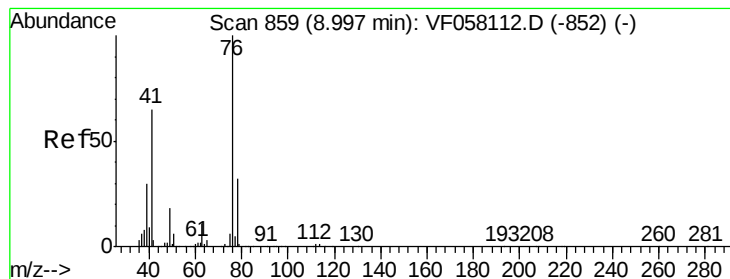
Tot Ion:	97	Resp:	48971
Ion	Ratio	Lower	Upper
97	100		
83	81.7	64.3	96.5
85	57.6	43.8	65.8
99	64.0	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 21.353 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

Tgt Ion:	69	Resp:	56428
Ion	Ratio	Lower	Upper
69	100		
41	78.3	56.9	85.3
39	52.1	38.0	57.0





#57

1,3-Dichloropropane

Concen: 22.435 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

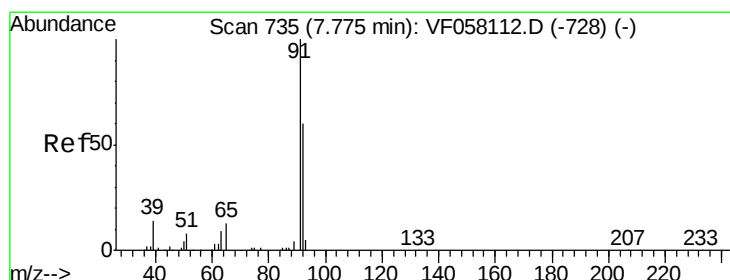
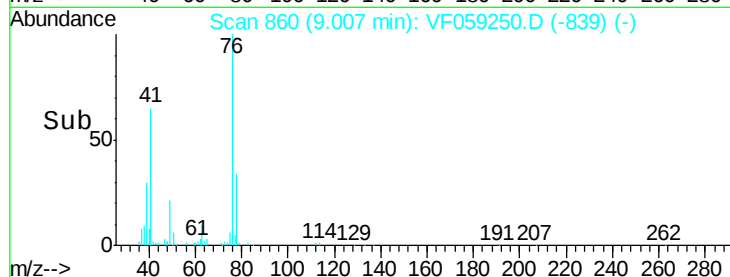
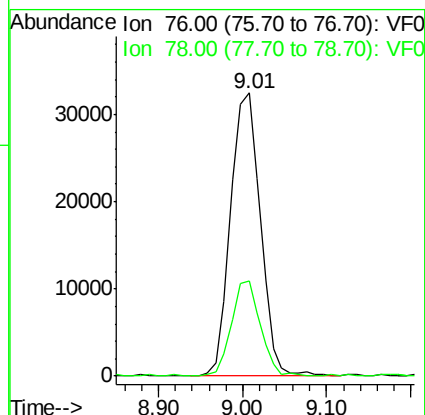
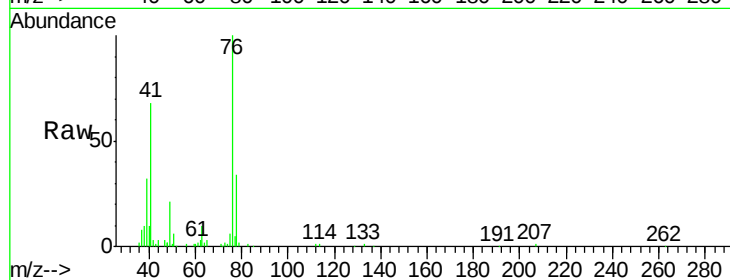
ClientSampleId :

Tot Ion: 76 Resp: 80458

Ion Ratio Lower Upper

76 100

78 33.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 115.428 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059250.D

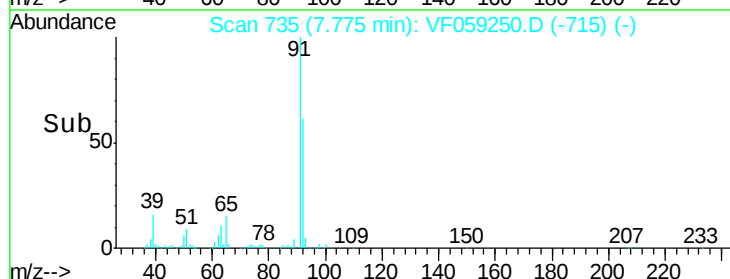
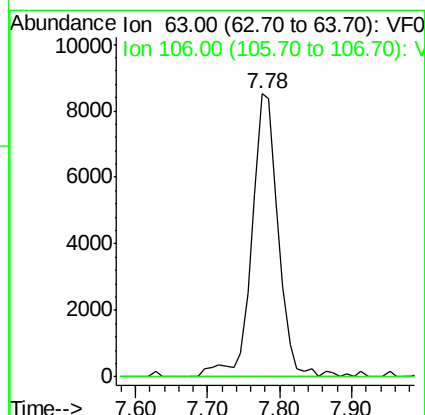
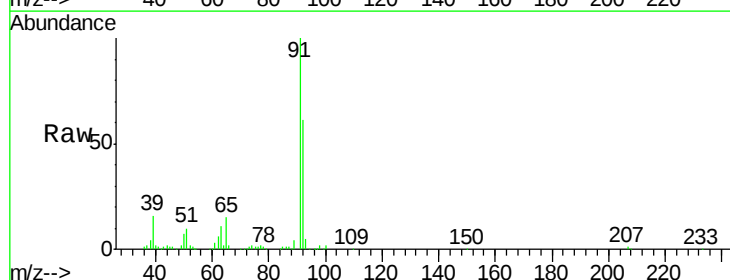
Acq: 21 Jun 2018 4:24

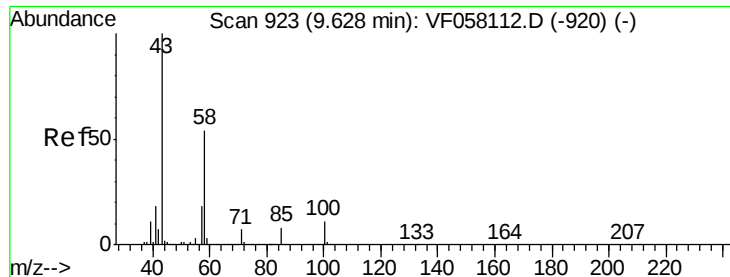
Tgt Ion: 63 Resp: 21811

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

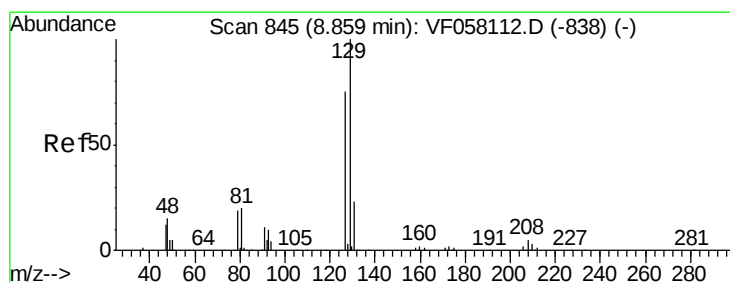
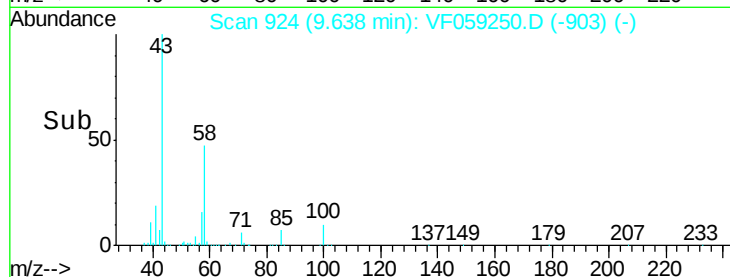
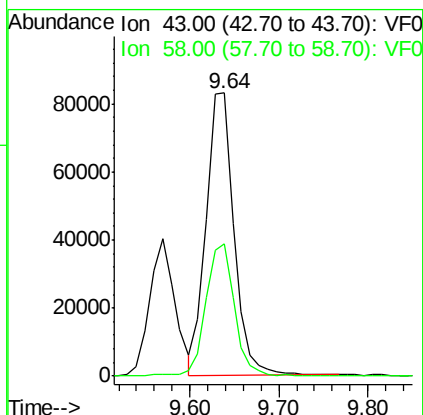
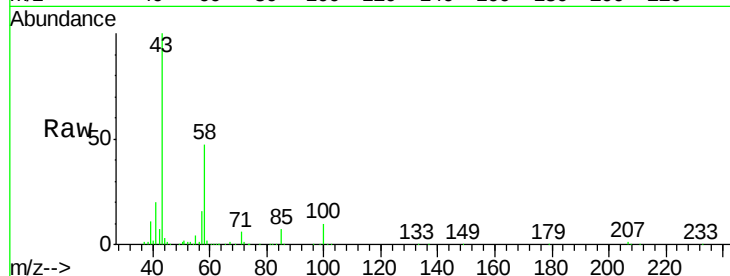




#59
2-Hexanone
Concen: 116.345 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

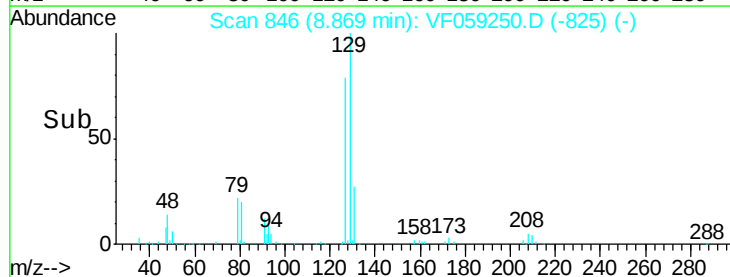
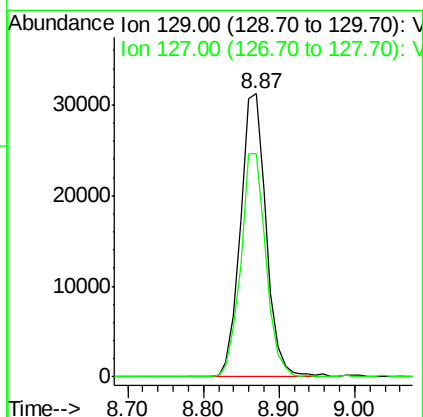
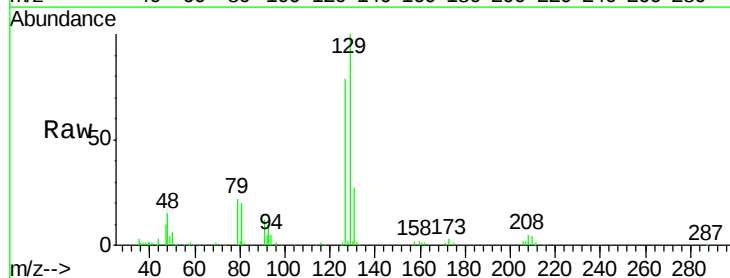
Instrument :
MSVOA_F
ClientSampled :

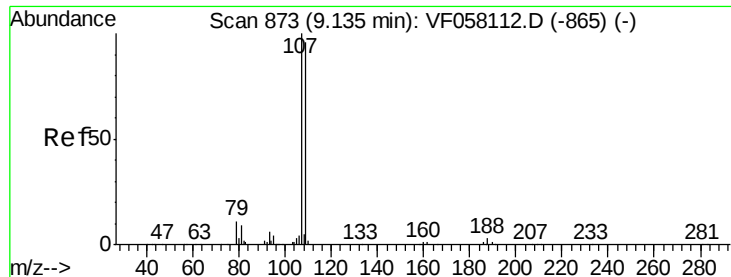
Tot Ion: 43 Resp: 180626
Ion Ratio Lower Upper
43 100
58 46.8 26.3 78.8



#60
Dibromochloromethane
Concen: 24.324 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion: 129 Resp: 73281
Ion Ratio Lower Upper
129 100
127 79.0 37.6 112.9





#61

1,2-Dibromoethane

Concen: 24.126 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

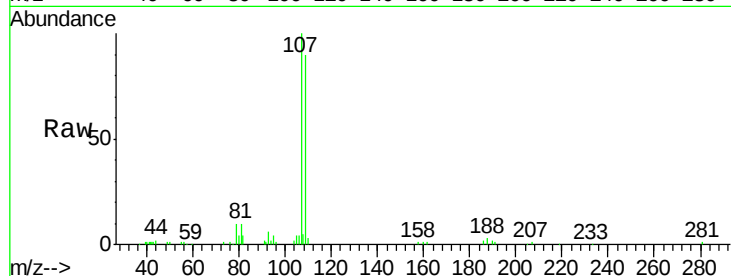
ClientSampleId :

Tot Ion:107 Resp: 58773

Ion Ratio Lower Upper

107 100

109 90.1 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.14

30000

25000

20000

15000

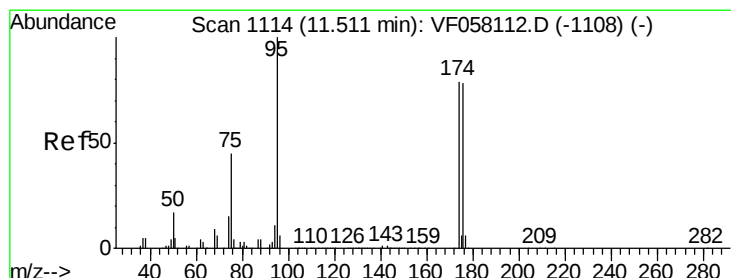
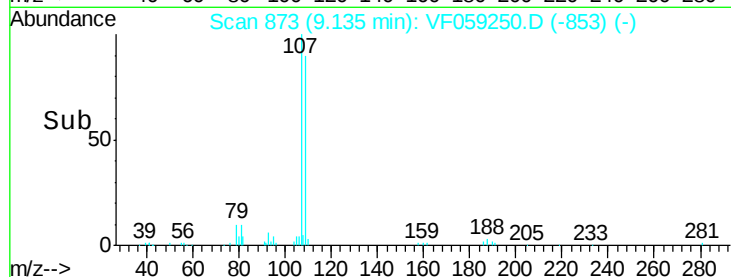
10000

5000

0

Time-->

9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 56.987 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

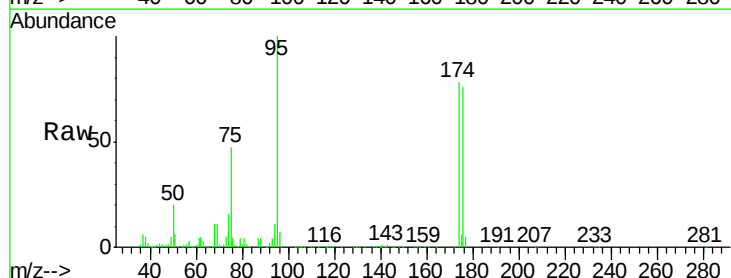
Tgt Ion: 95 Resp: 215110

Ion Ratio Lower Upper

95 100

174 78.4 0.0 157.8

176 75.9 0.0 155.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.51

150000

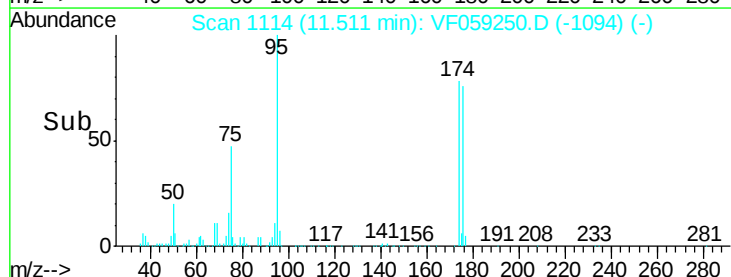
100000

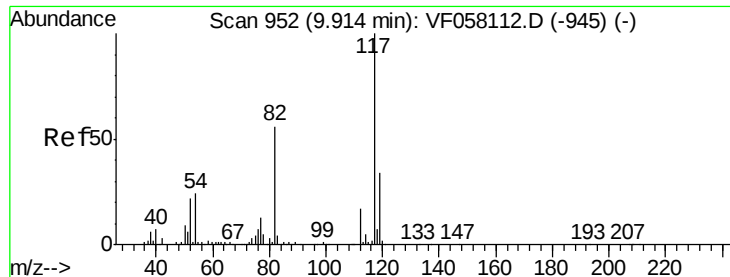
50000

0

Time-->

11.40 11.50 11.60 11.70

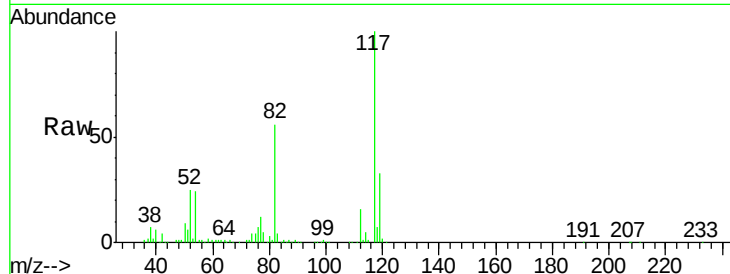




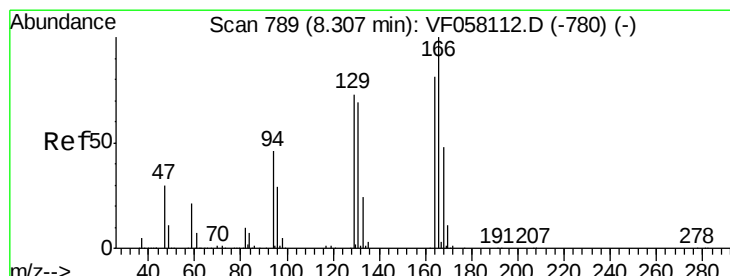
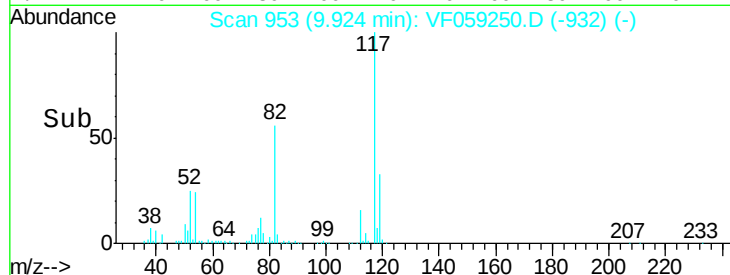
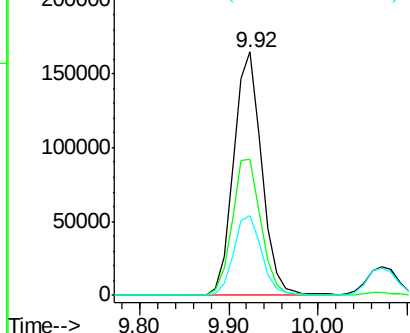
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.2	67.8
119	33.0	27.5	41.3



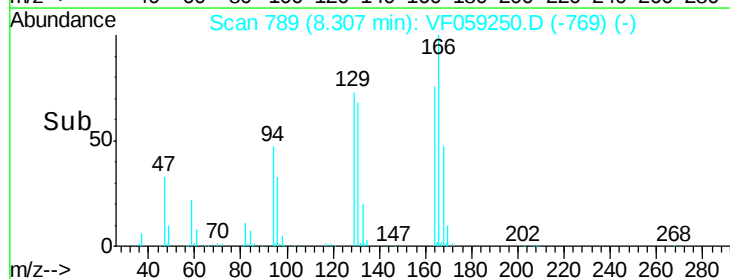
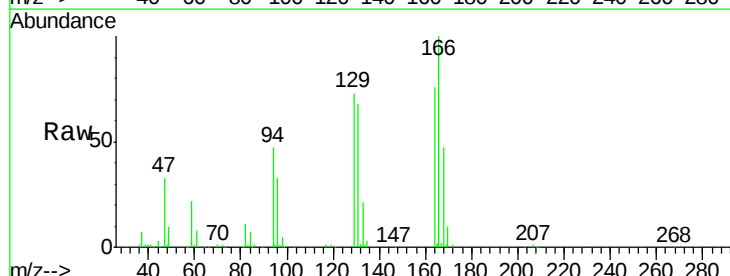
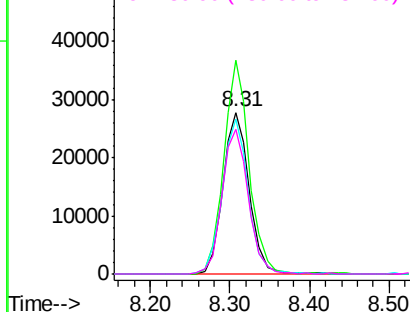
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

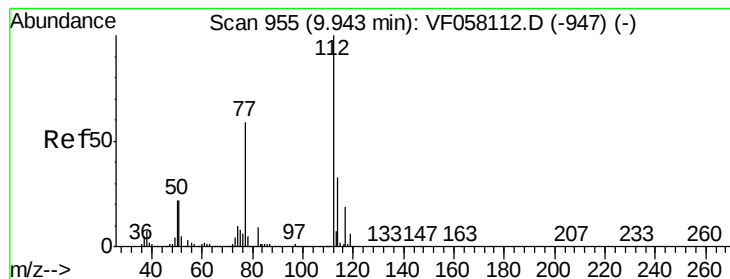


#64
Tetrachloroethene
Concen: 23.940 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.2	98.2	147.4
129	96.0	71.6	107.4
131	89.3	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: 21.886 ug/l

RT: 9.94 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

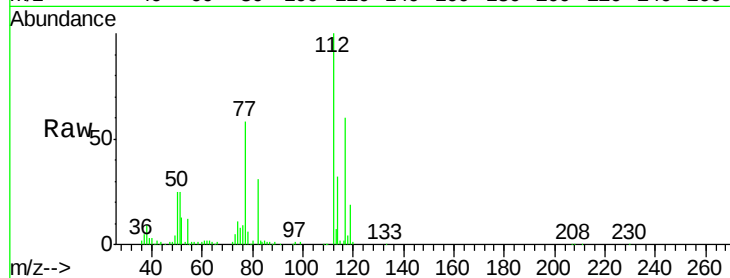
ClientSampleId :

Tot Ion:112 Resp: 157754

Ion Ratio Lower Upper

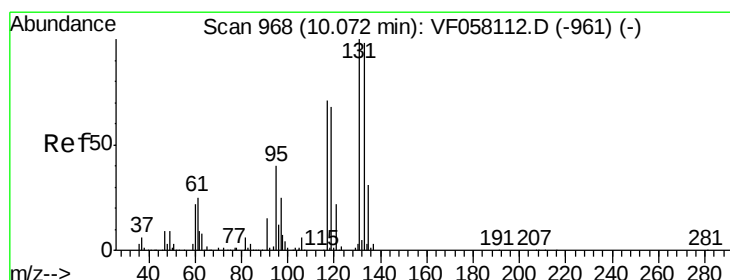
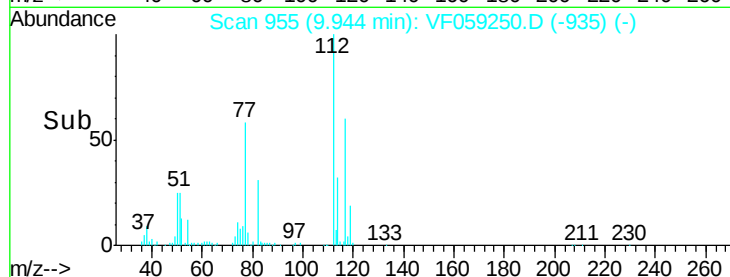
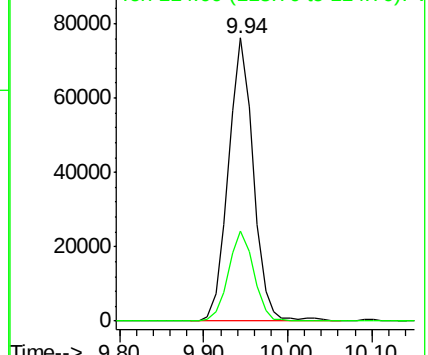
112 100

114 31.9 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: 23.482 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

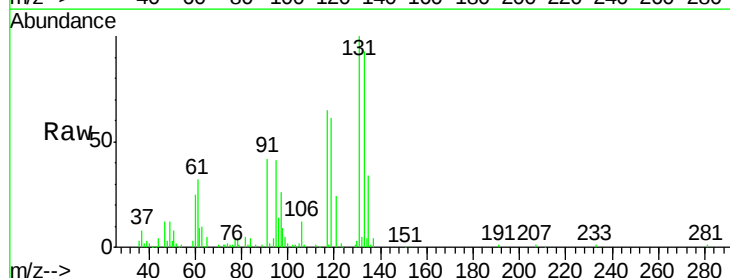
Tgt Ion:131 Resp: 67328

Ion Ratio Lower Upper

131 100

133 93.3 49.1 147.4

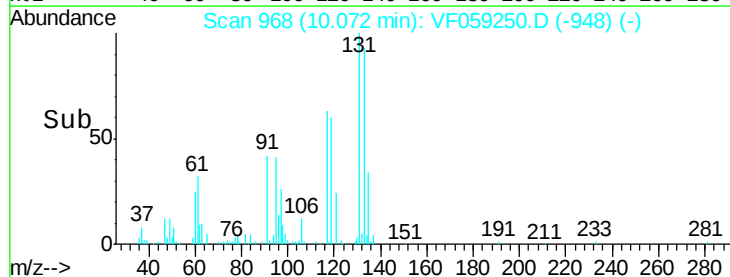
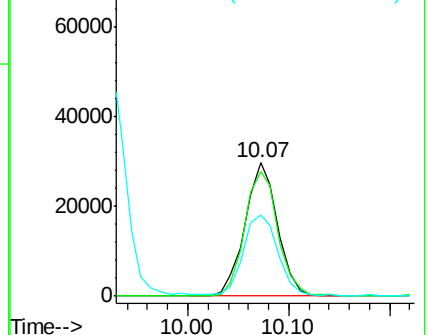
119 61.3 34.3 102.8

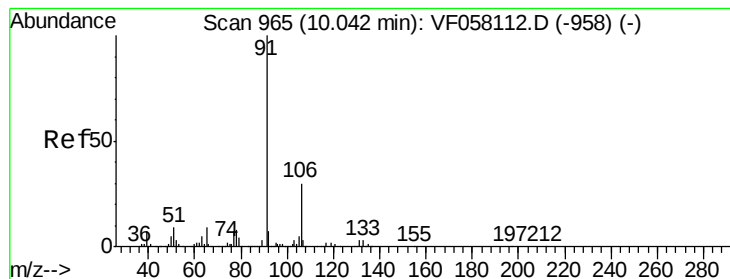


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.439 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

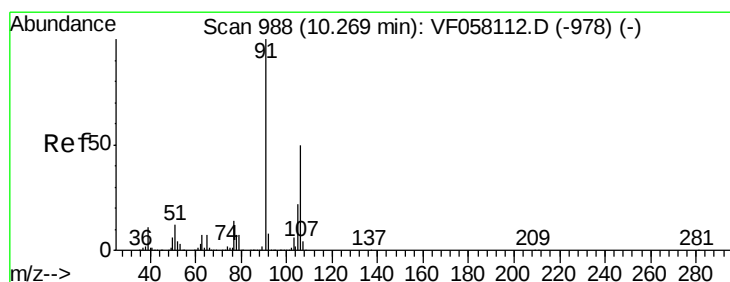
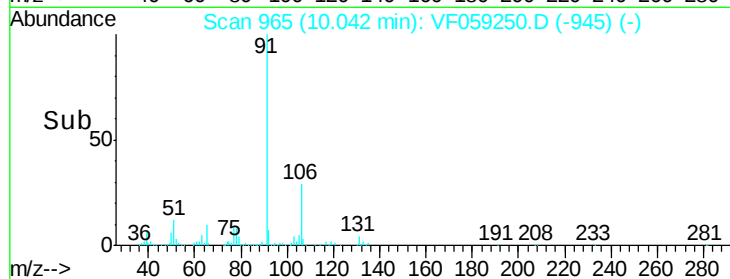
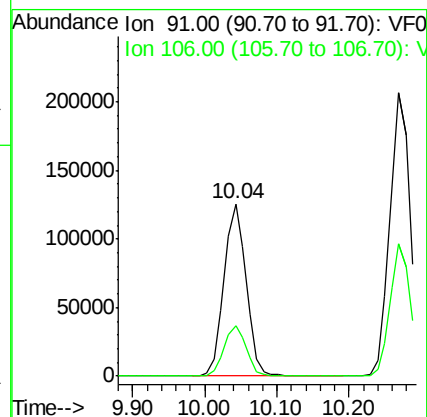
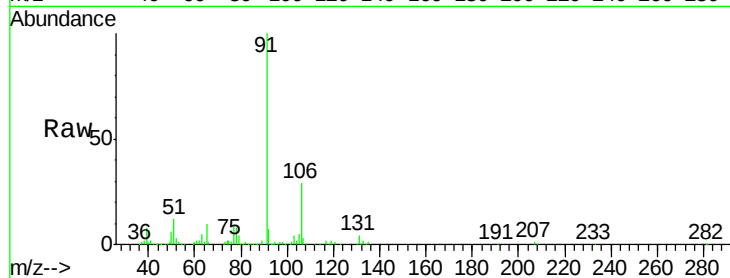
ClientSampled :

Tot Ion: 91 Resp: 268506

Ion Ratio Lower Upper

91 100

106 29.3 24.2 36.4



#68

m/p-Xylenes

Concen: 41.694 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059250.D

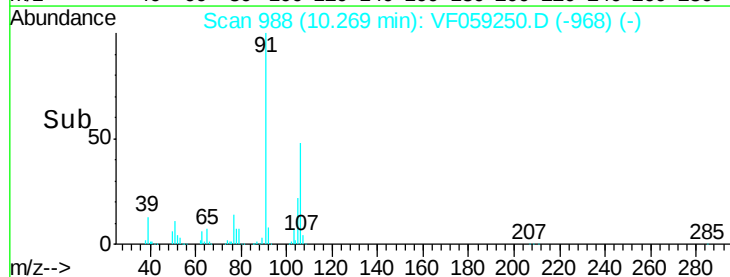
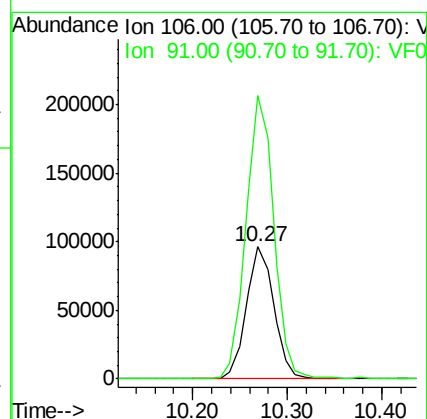
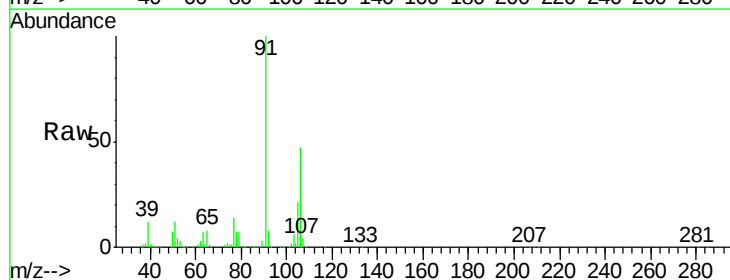
Acq: 21 Jun 2018 4:24

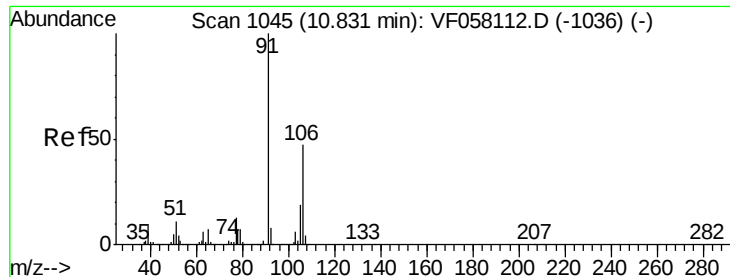
Tgt Ion: 106 Resp: 195506

Ion Ratio Lower Upper

106 100

91 214.5 160.7 241.1

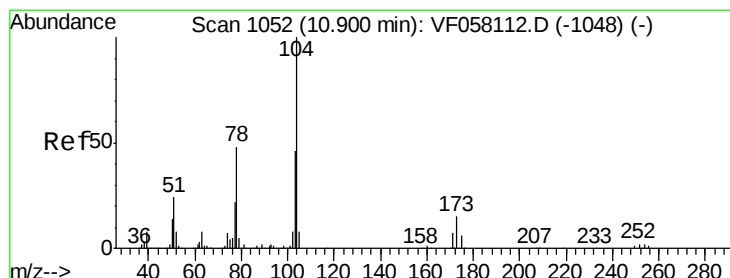
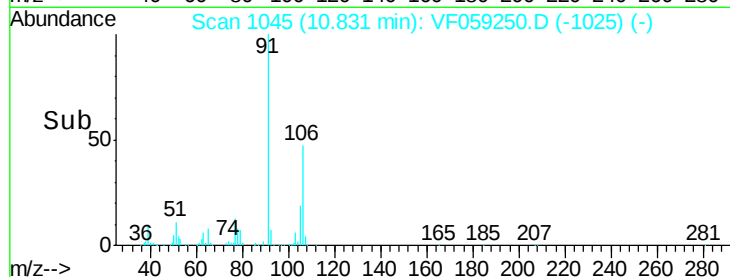
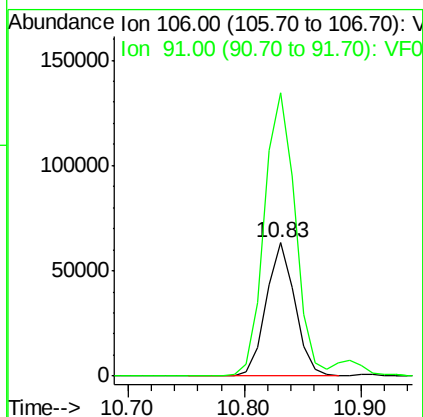
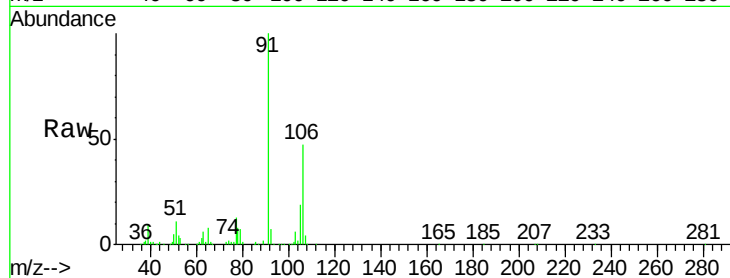




#69
o-Xylene
Concen: 21.500 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

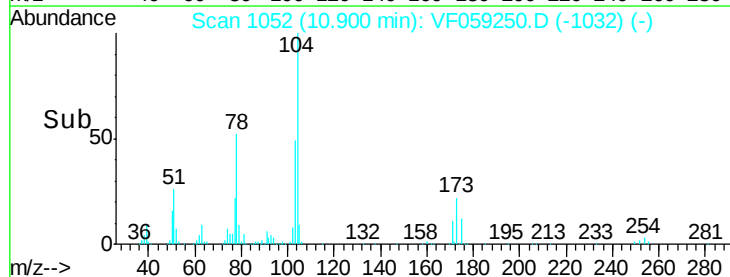
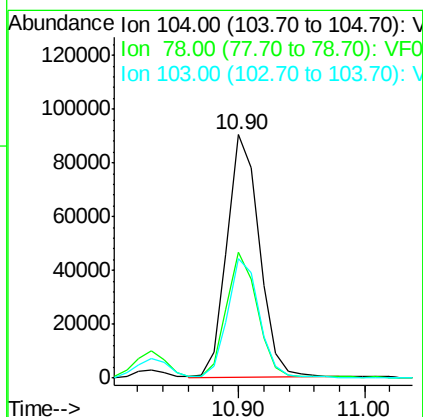
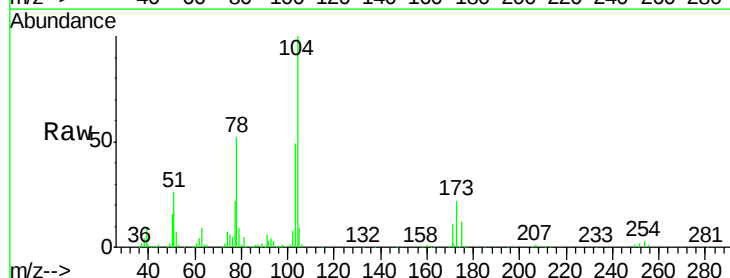
Instrument :
MSVOA_F
ClientSampleId :

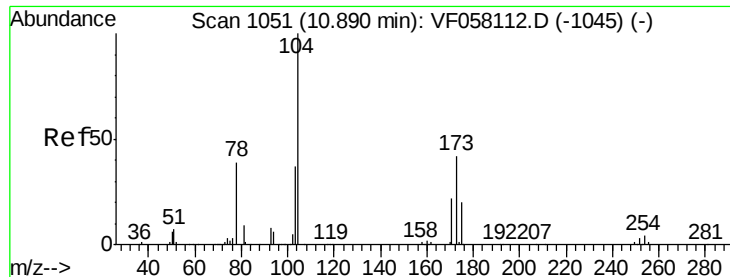
Tot Ion:106 Resp: 108960
Ion Ratio Lower Upper
106 100
91 212.3 107.0 321.0



#70
Styrene
Concen: 20.858 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion:104 Resp: 159931
Ion Ratio Lower Upper
104 100
78 51.9 38.4 57.6
103 49.2 37.0 55.6





#71

Bromoform

Concen: 24.238 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

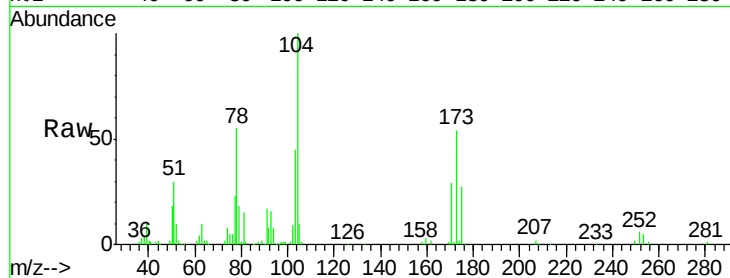
Tot Ion:173 Resp: 47196

Ion Ratio Lower Upper

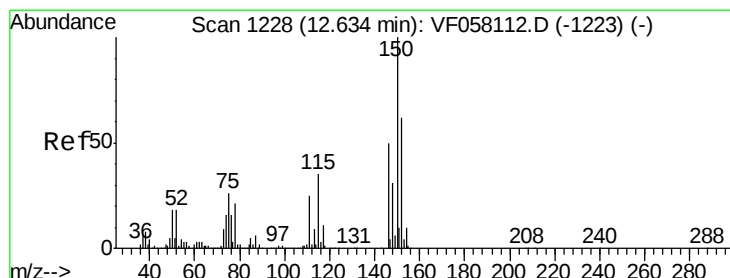
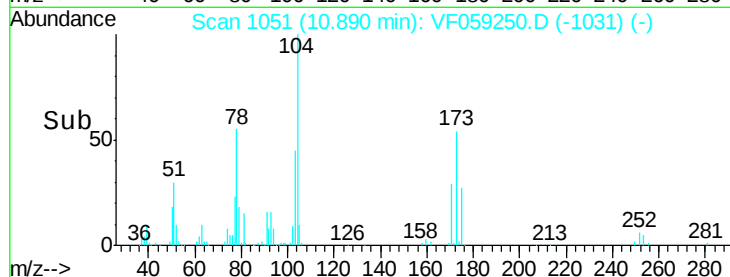
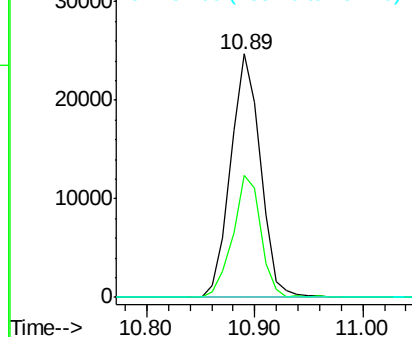
173 100

175 50.0 24.6 74.0

254 0.0 7.8 11.8#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

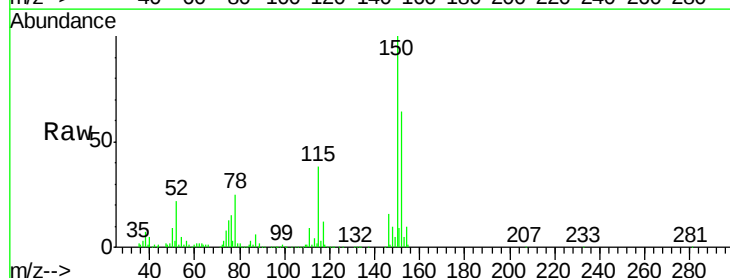
Tgt Ion:152 Resp: 229557

Ion Ratio Lower Upper

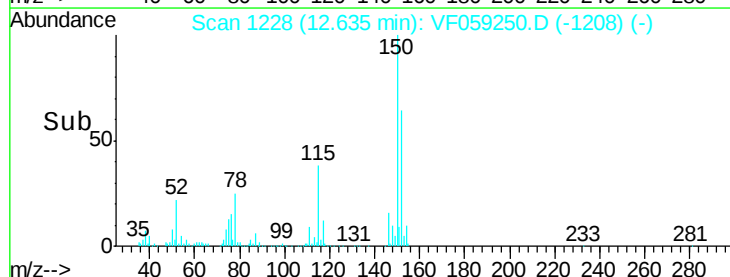
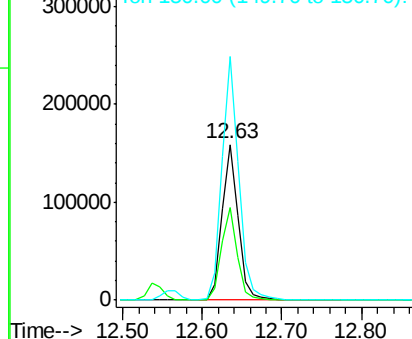
152 100

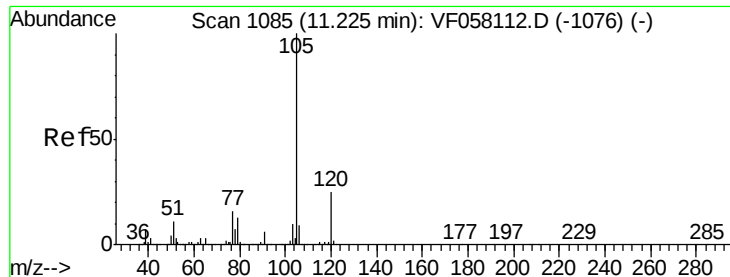
115 59.0 28.5 85.5

150 156.1 0.0 323.8



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





#73

Isopropylbenzene

Concen: 20.495 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

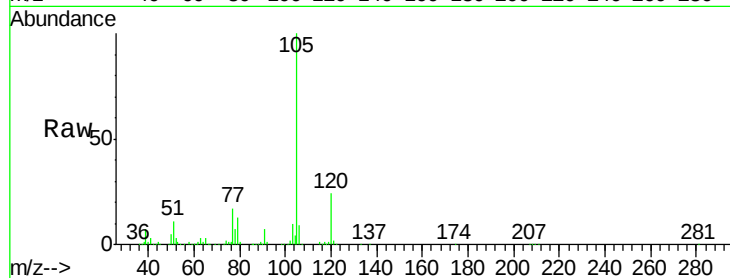
ClientSampleId :

Tot Ion:105 Resp: 325728

Ion Ratio Lower Upper

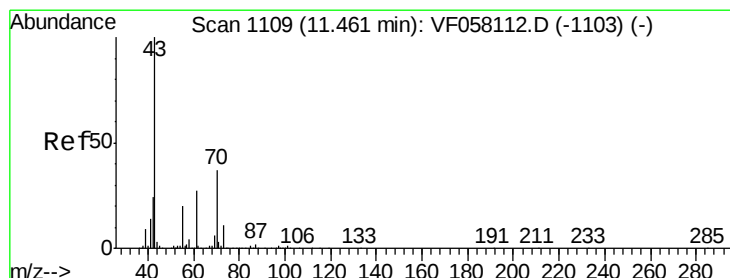
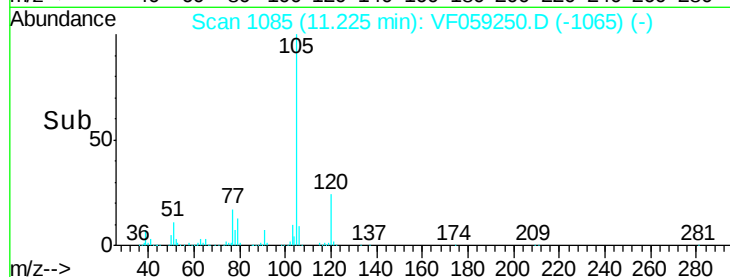
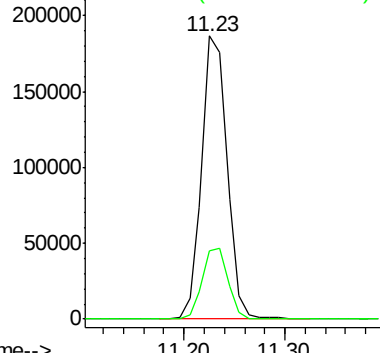
105 100

120 23.9 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: 20.203 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion: 43 Resp: 114699

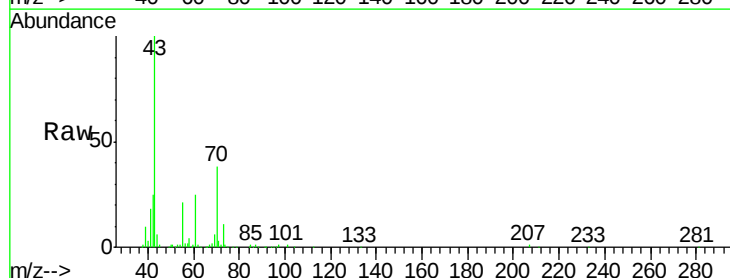
Ion Ratio Lower Upper

43 100

70 38.2 29.2 43.8

55 21.2 15.8 23.6

61 25.0 21.3 31.9

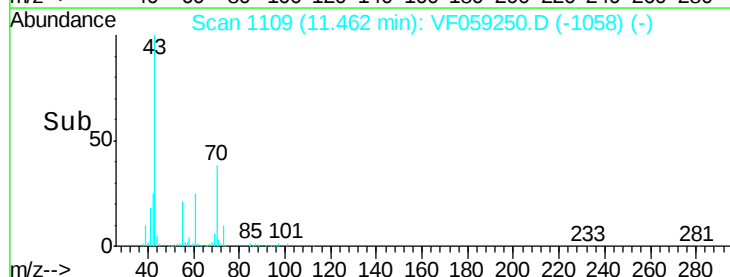
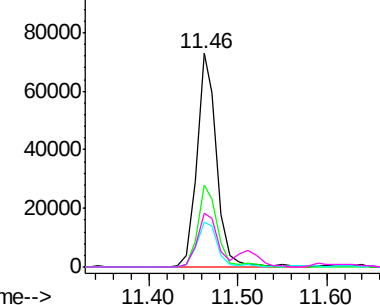


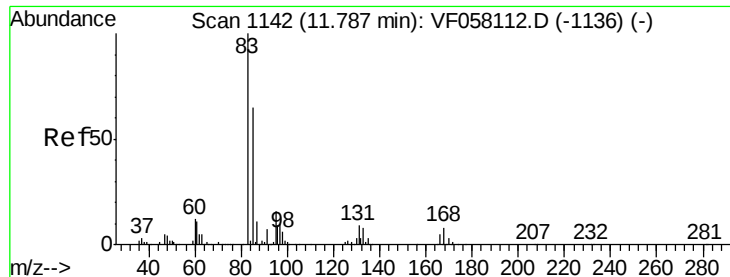
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 22.130 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059250.D

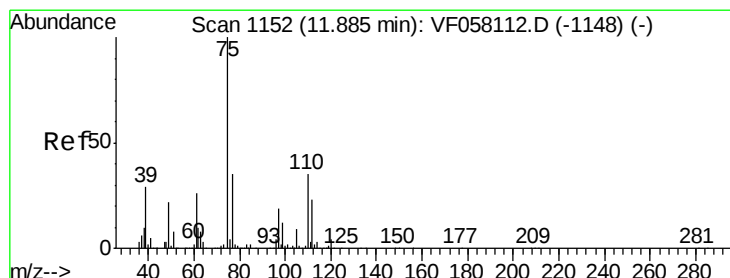
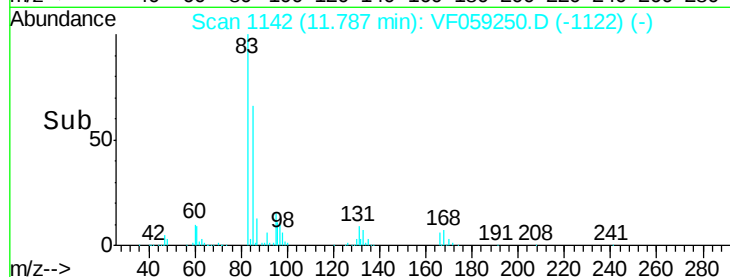
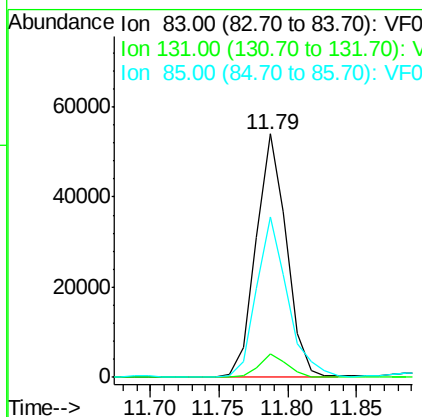
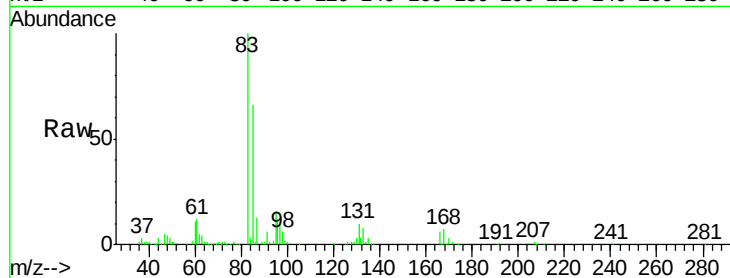
Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	83	Resp:	83387
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.5	13.7
85	65.8	32.8	98.3



#76

1,2,3-Trichloropropane

Concen: 22.756 ug/l

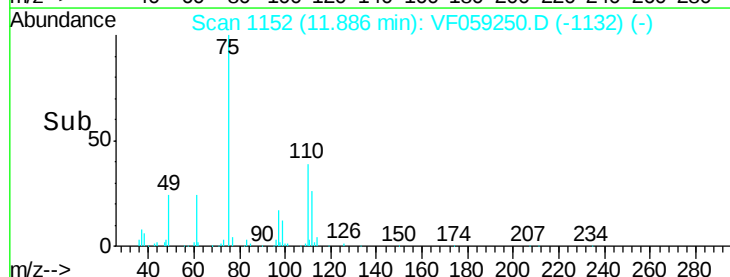
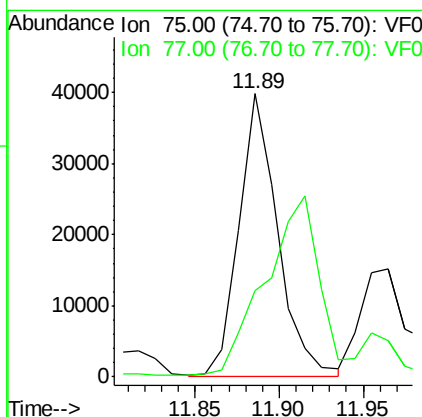
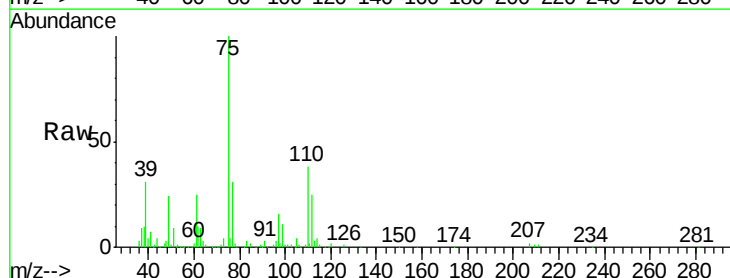
RT: 11.89 min Scan# 1152

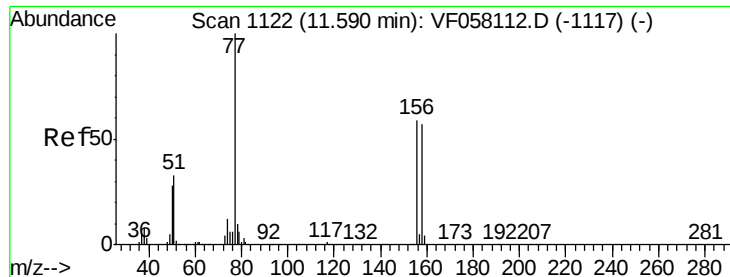
Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion:	75	Resp:	63325
Ion	Ratio	Lower	Upper
75	100		
77	30.6	17.5	52.5





#77

Bromobenzene

Concen: 21.606 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

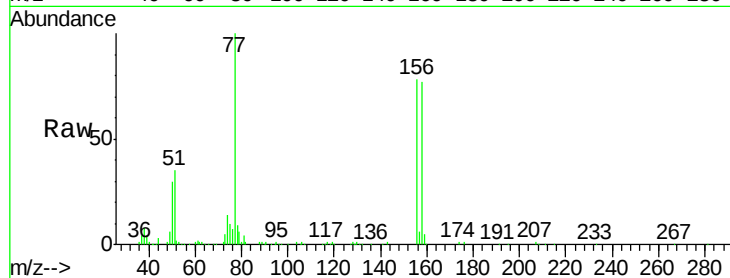
Tot Ion:156 Resp: 86422

Ion Ratio Lower Upper

156 100

77 128.5 84.8 254.4

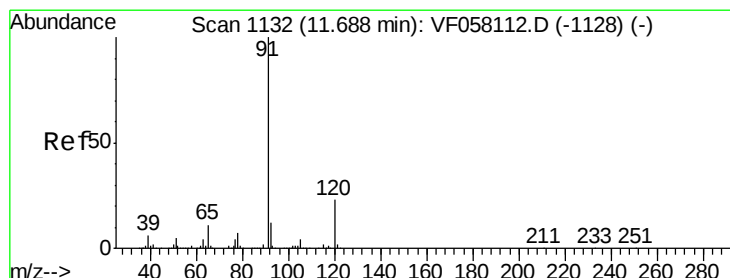
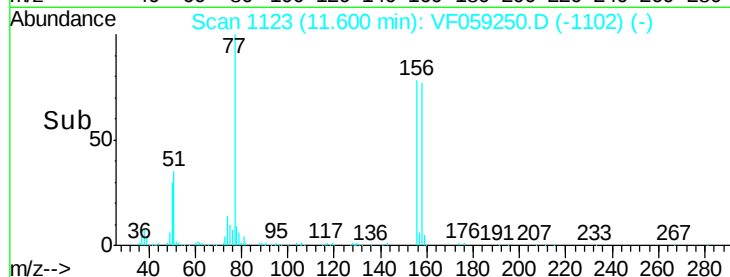
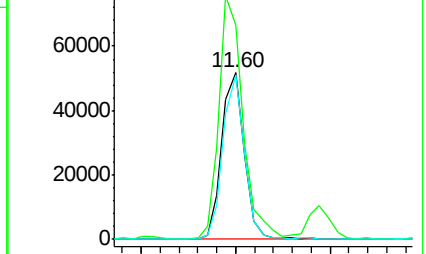
158 98.6 47.9 143.7



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: 20.127 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059250.D

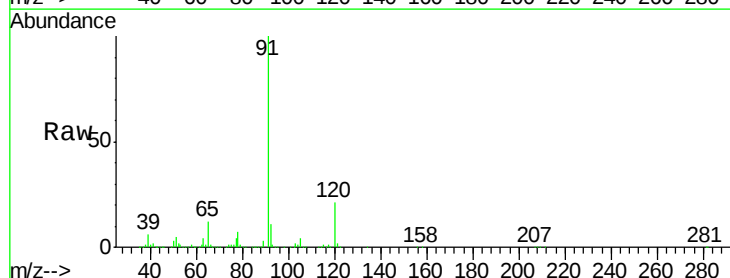
Acq: 21 Jun 2018 4:24

Tgt Ion: 91 Resp: 378619

Ion Ratio Lower Upper

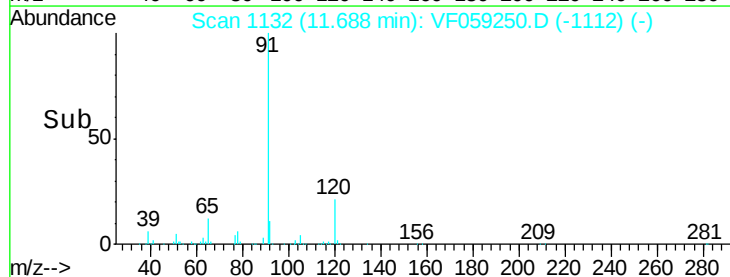
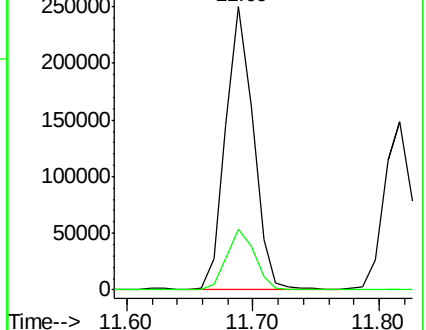
91 100

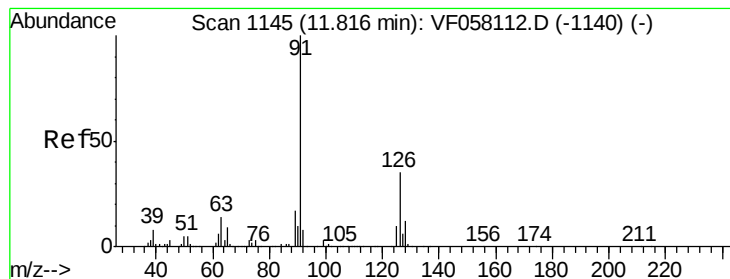
120 21.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.479 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

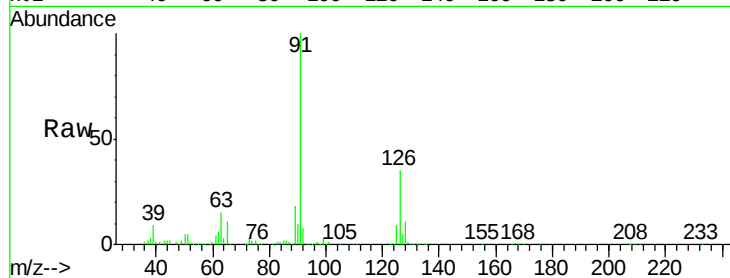
ClientSampleId :

Tot Ion: 91 Resp: 227587

Ion Ratio Lower Upper

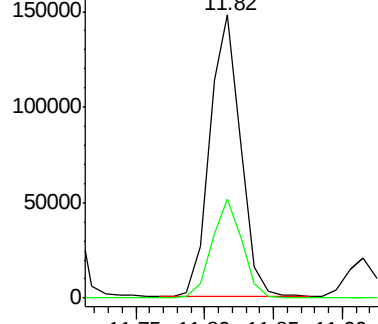
91 100

126 35.2 17.6 52.9

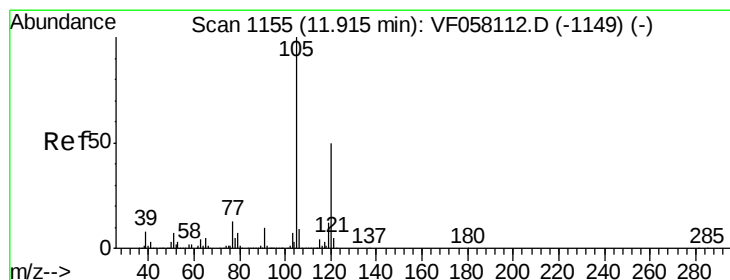
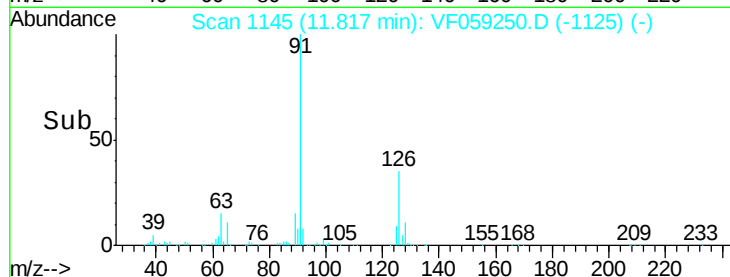


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.939 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059250.D

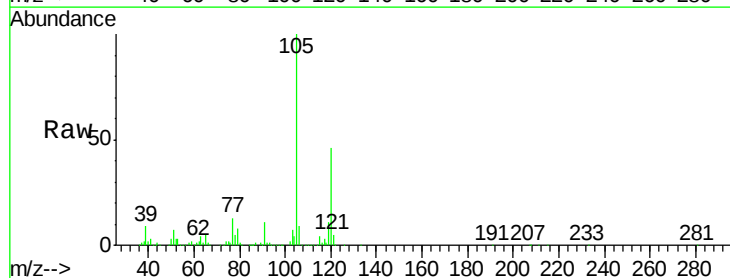
Acq: 21 Jun 2018 4:24

Tgt Ion:105 Resp: 288596

Ion Ratio Lower Upper

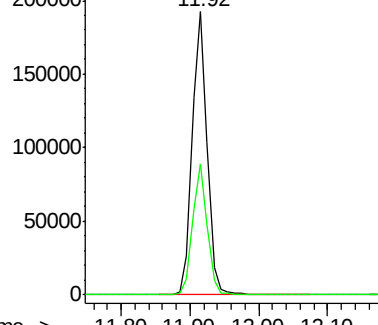
105 100

120 46.5 24.9 74.6

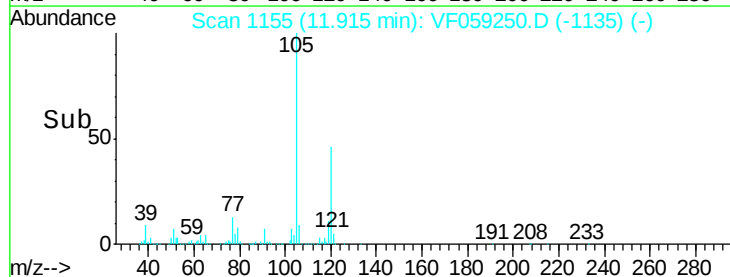


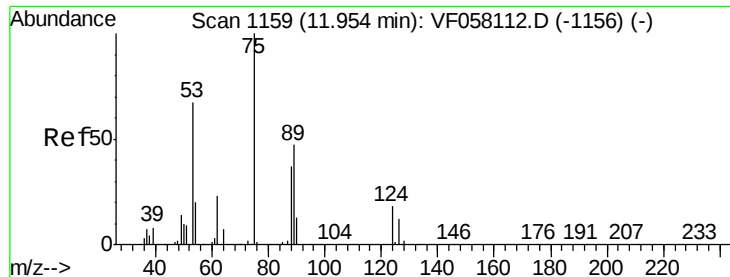
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.458 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

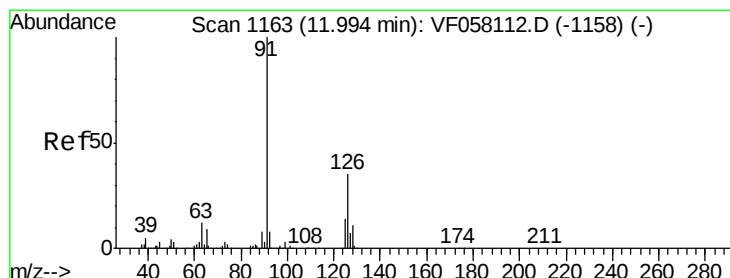
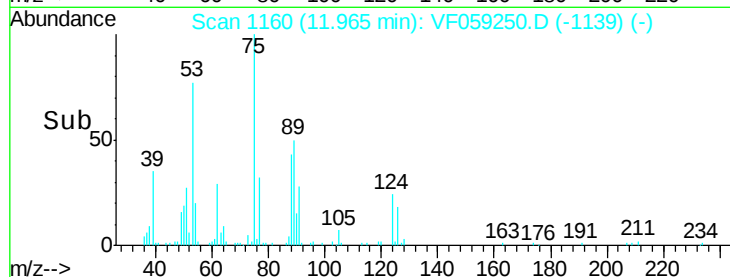
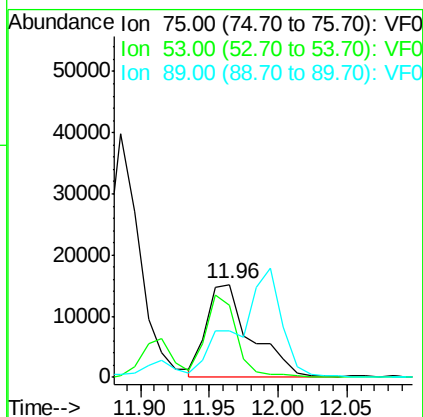
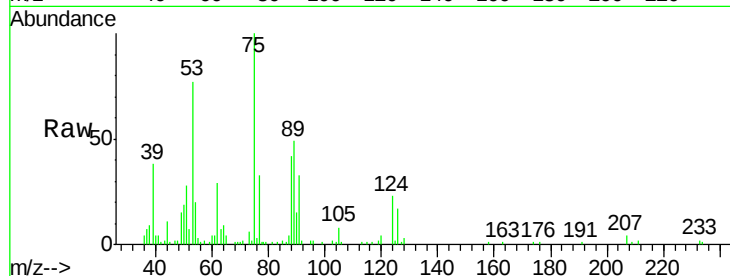
Tot Ion: 75 Resp: 33304

Ion Ratio Lower Upper

75 100

53 77.0 58.7 88.1

89 49.4 39.8 59.6



#82

4-Chlorotoluene

Concen: 21.296 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059250.D

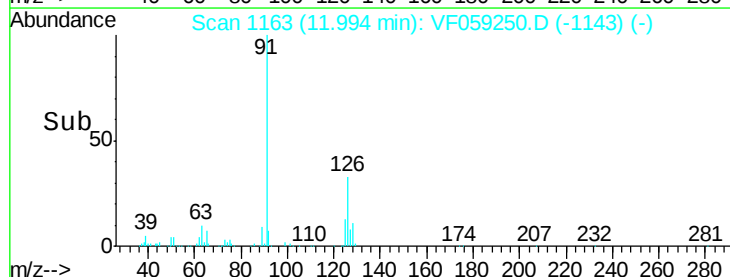
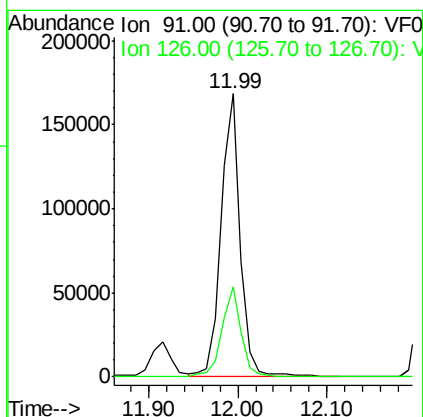
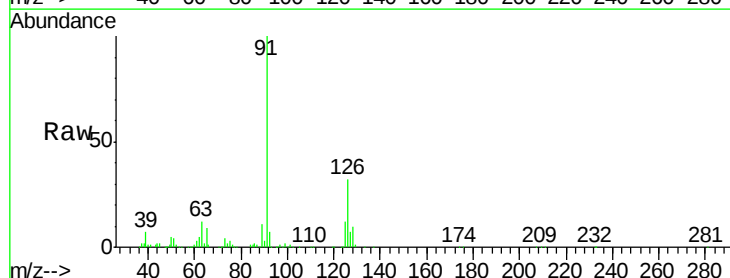
Acq: 21 Jun 2018 4:24

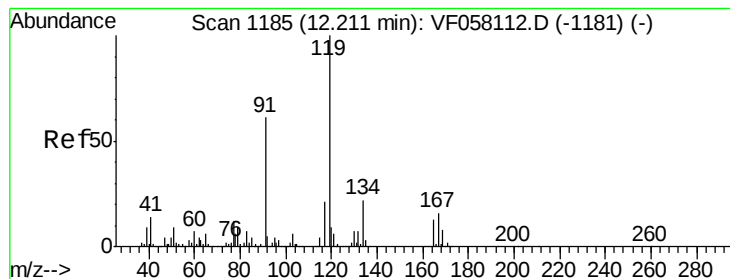
Tgt Ion: 91 Resp: 251957

Ion Ratio Lower Upper

91 100

126 32.0 17.4 52.2





#83

tert-Butylbenzene

Concen: 21.727 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampled :

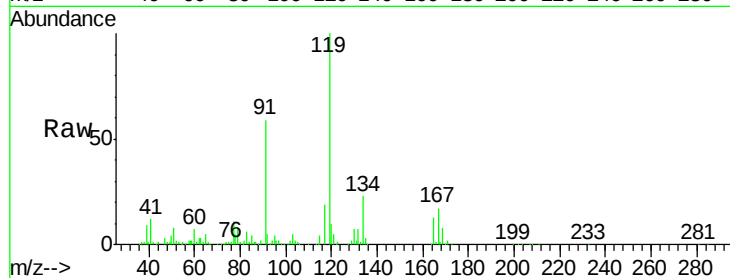
Tot Ion:119 Resp: 283789

Ion Ratio Lower Upper

119 100

91 59.4 30.4 91.3

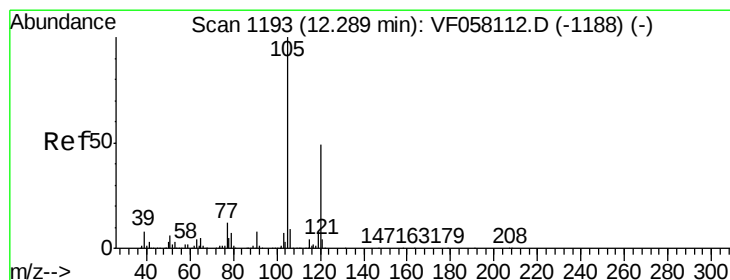
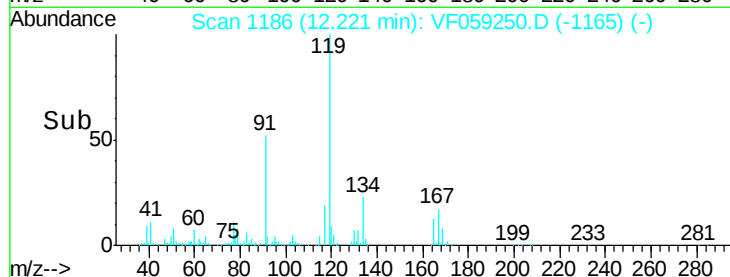
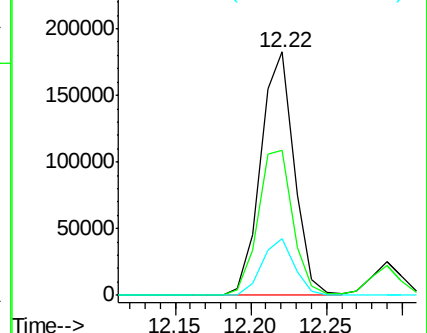
134 23.5 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.587 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF059250.D

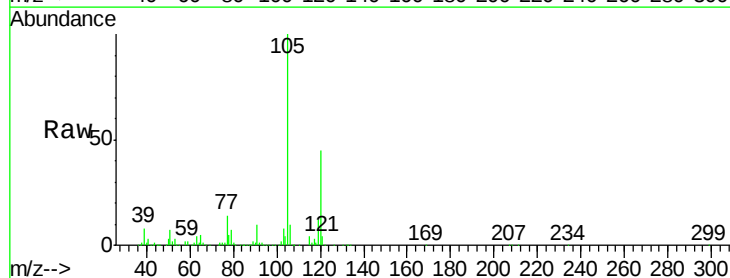
Acq: 21 Jun 2018 4:24

Tgt Ion:105 Resp: 294227

Ion Ratio Lower Upper

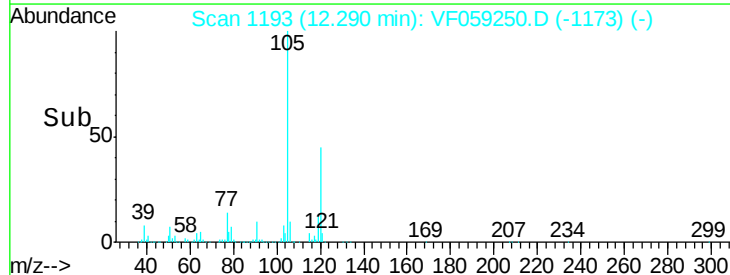
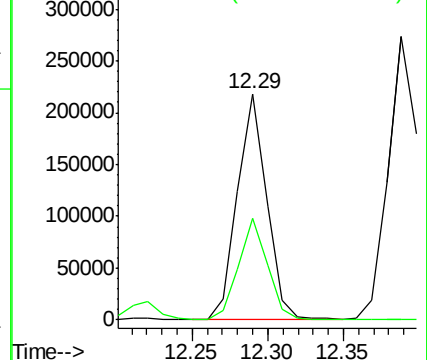
105 100

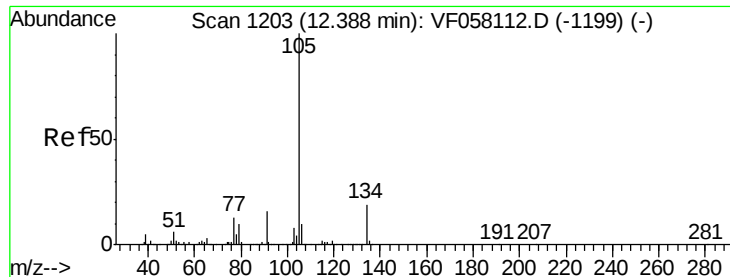
120 45.2 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.851 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

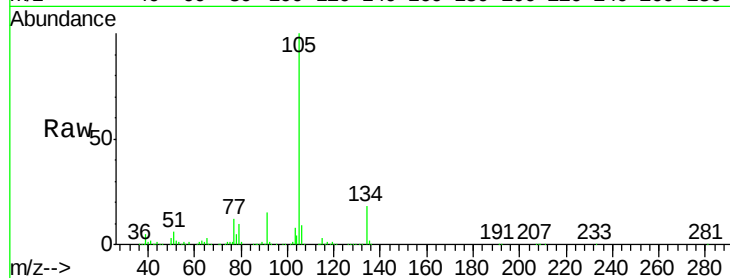
ClientSampleId :

Tot Ion:105 Resp: 387805

Ion Ratio Lower Upper

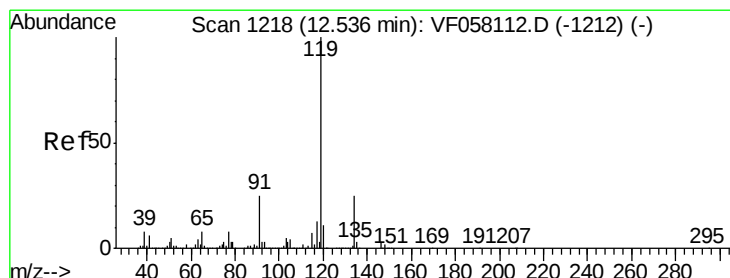
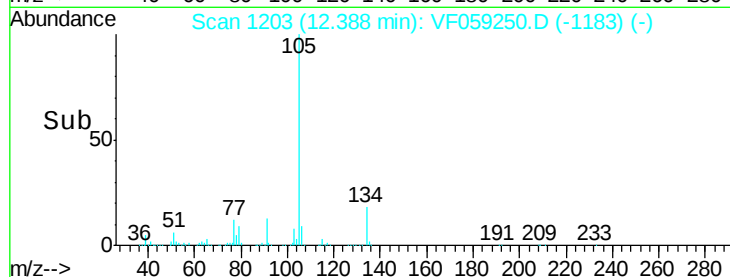
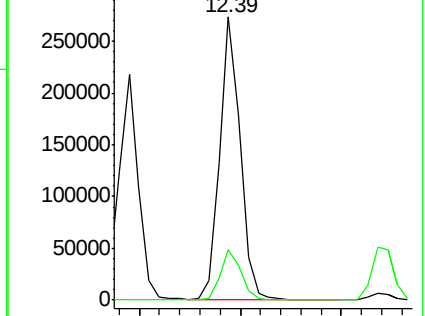
105 100

134 18.0 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.127 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

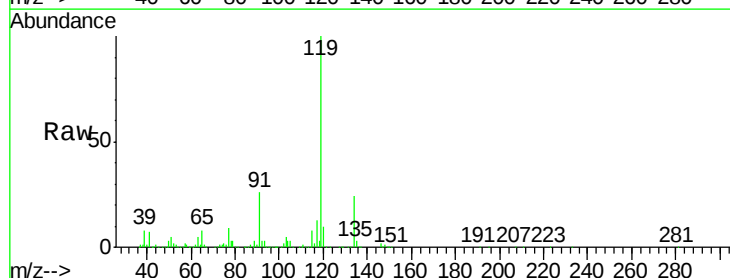
Tgt Ion:119 Resp: 322553

Ion Ratio Lower Upper

119 100

134 23.9 12.7 38.0

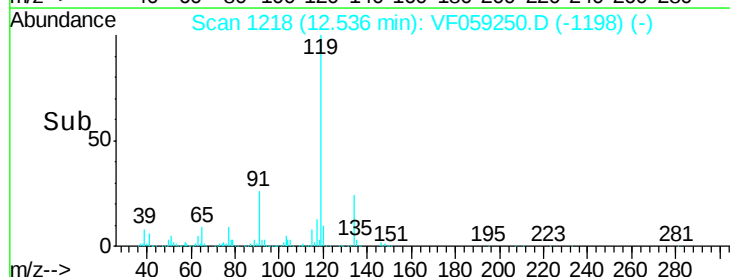
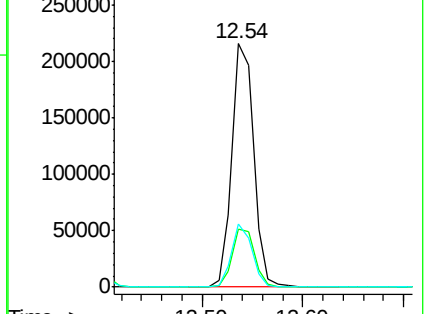
91 26.2 12.6 37.6

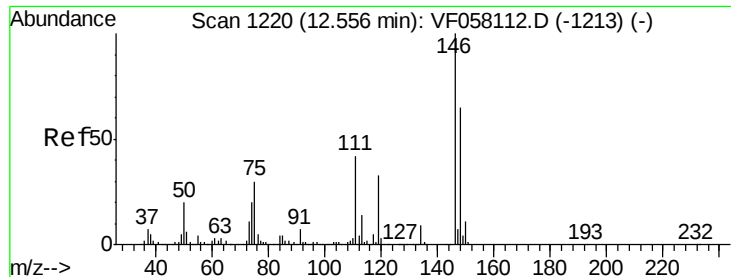


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

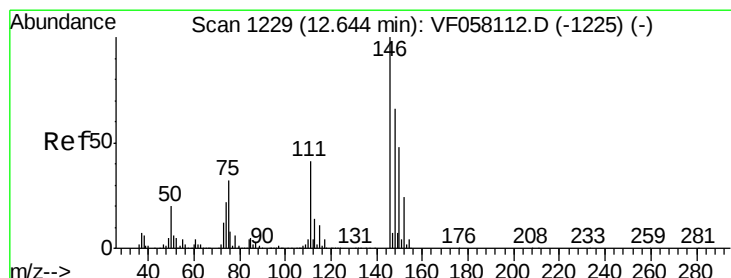
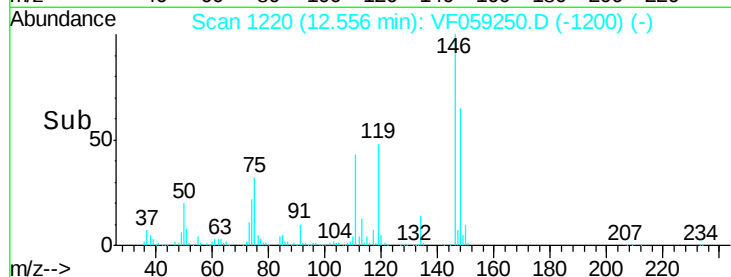
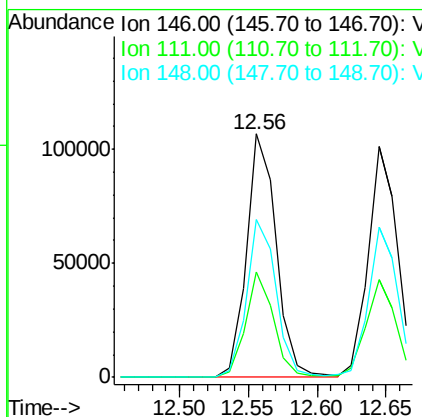
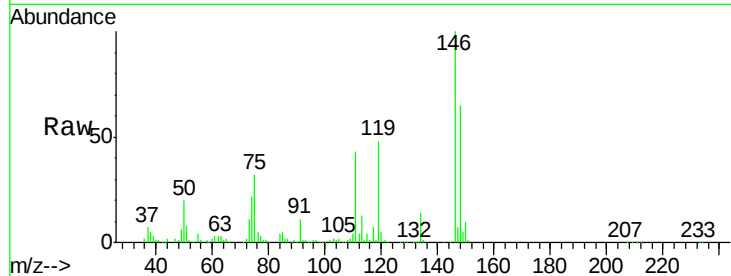




#87
 1,3-Dichlorobenzene
 Concen: 21.953 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

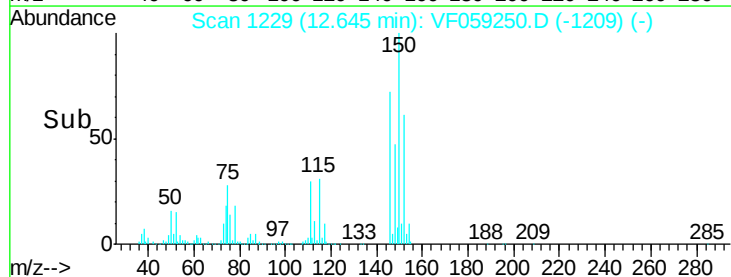
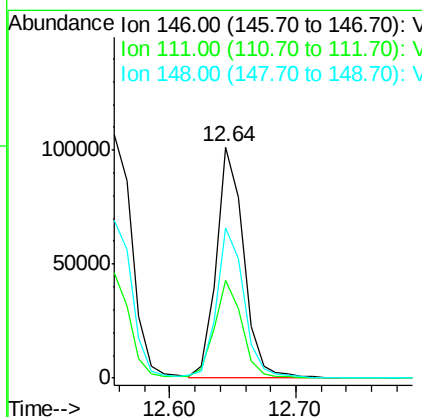
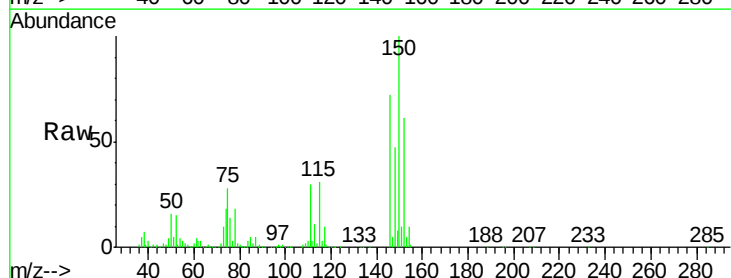
Instrument :
 MSVOA_F
 ClientSampleId :

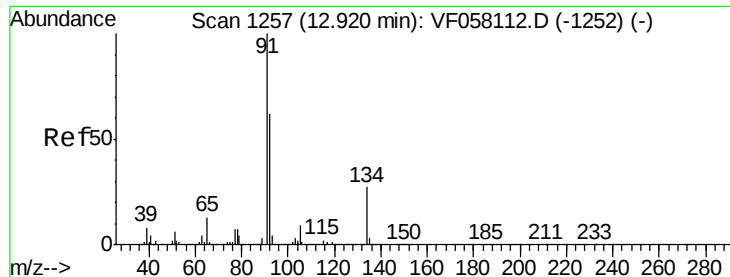
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.8	62.5
148	64.9	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 21.420 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.4	61.2
148	65.2	33.0	99.0





#89

n-Butylbenzene

Concen: 19.467 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

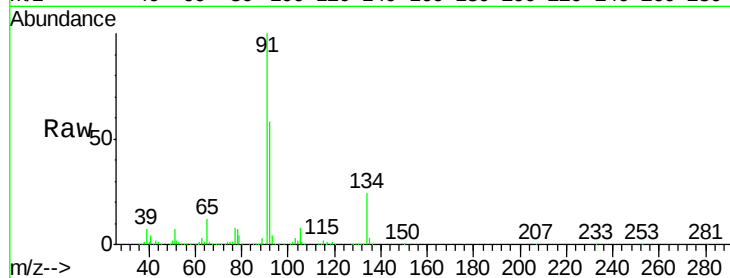
Tot Ion: 91 Resp: 323763

Ion Ratio Lower Upper

91 100

92 58.4 31.1 93.5

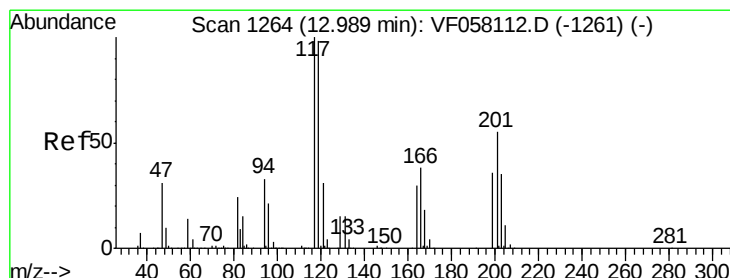
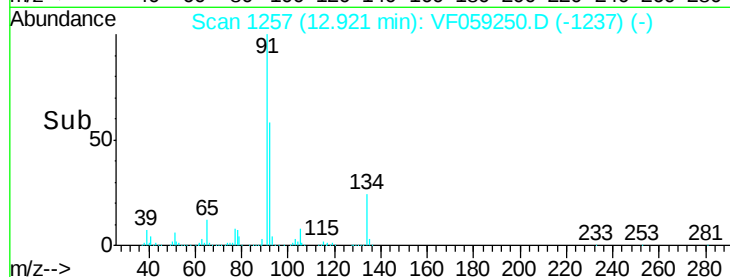
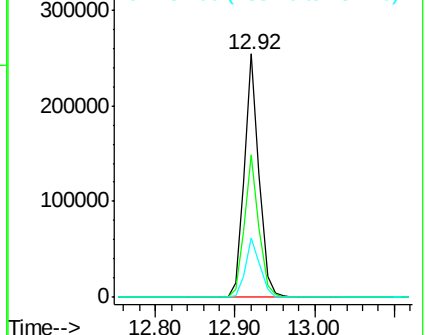
134 24.3 13.6 40.8



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: 21.431 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF059250.D

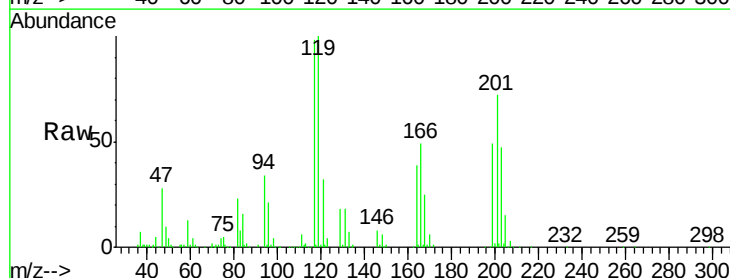
Acq: 21 Jun 2018 4:24

Tgt Ion: 117 Resp: 76931

Ion Ratio Lower Upper

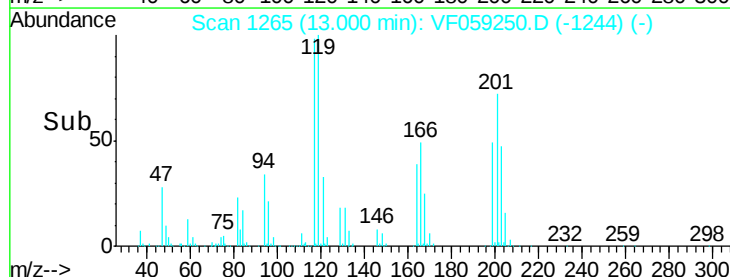
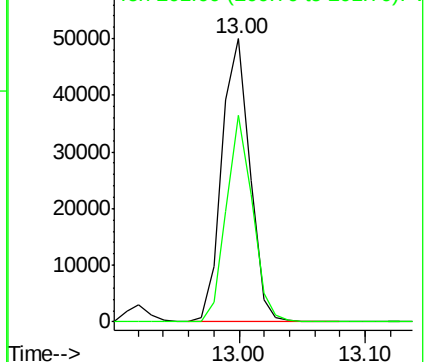
117 100

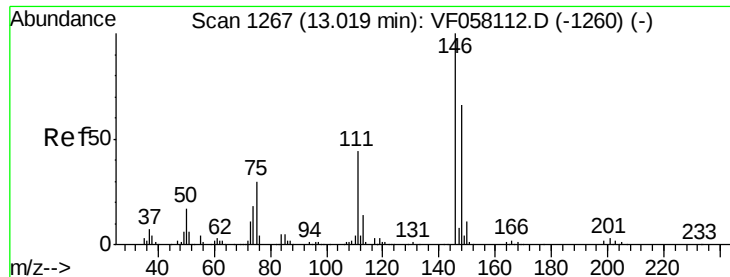
201 75.2 27.5 82.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 22.690 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampled :

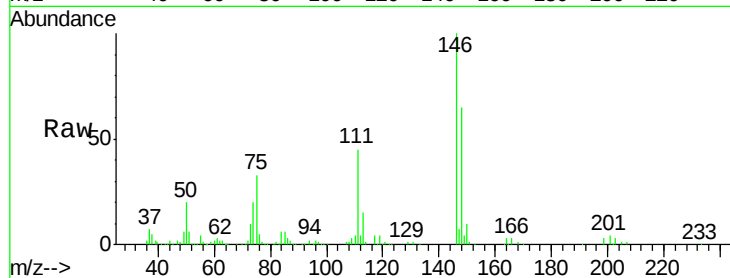
Tot Ion:146 Resp: 161420

Ion Ratio Lower Upper

146 100

111 44.6 22.0 66.0

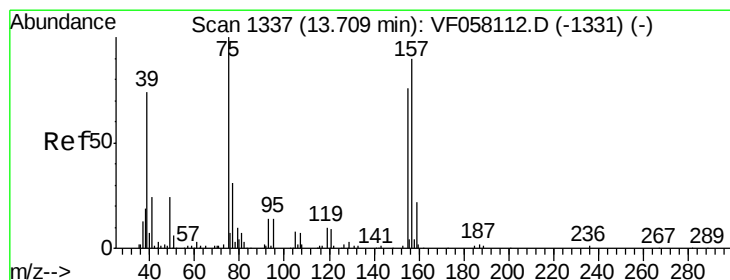
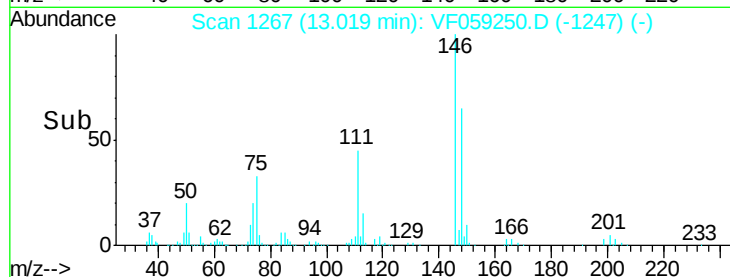
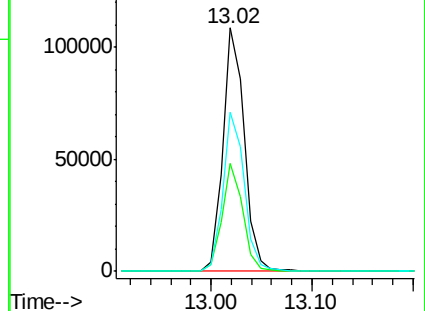
148 65.1 33.1 99.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.826 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

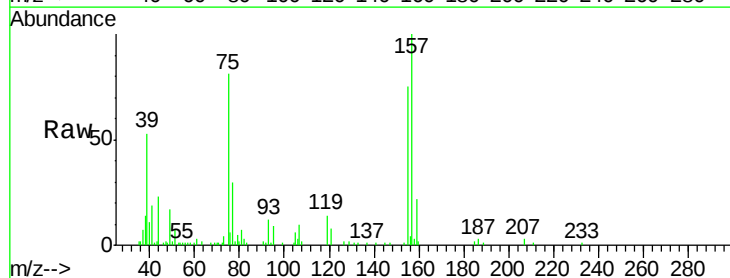
Tgt Ion: 75 Resp: 16132

Ion Ratio Lower Upper

75 100

155 92.6 38.0 114.0

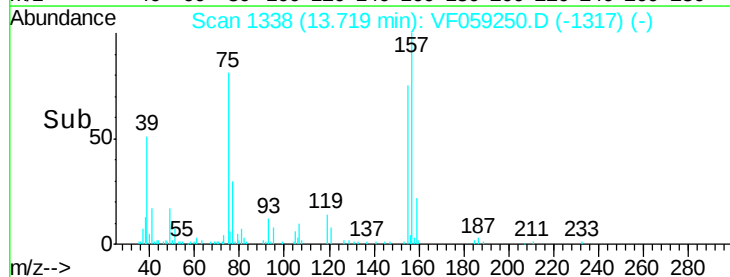
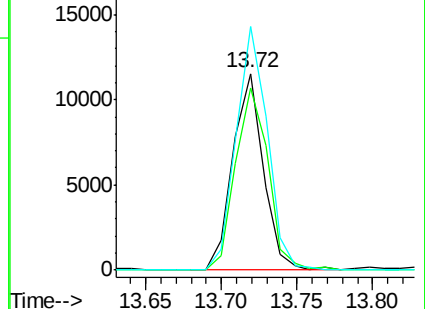
157 123.9 45.1 135.5

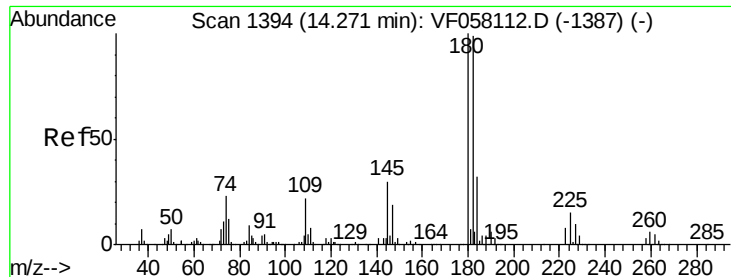


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

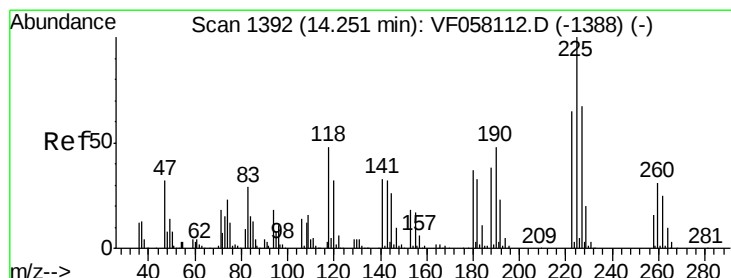
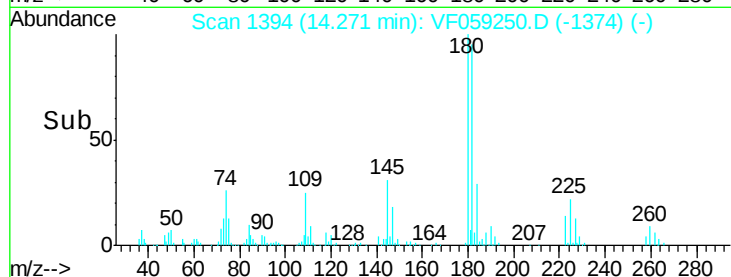
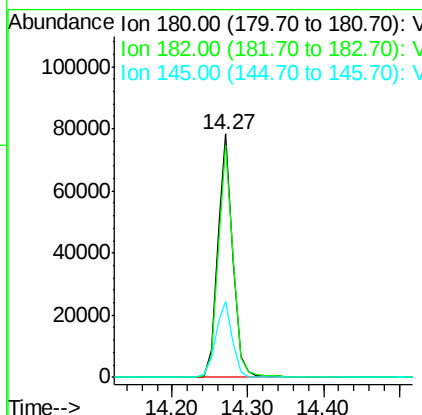
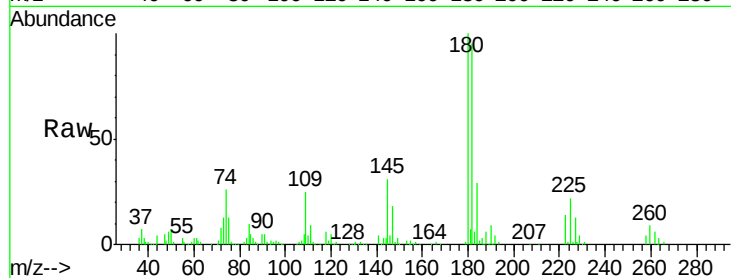




#93
 1,2,4-Trichlorobenzene
 Concen: 22.193 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

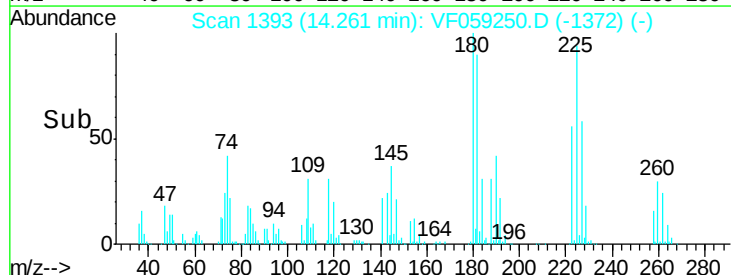
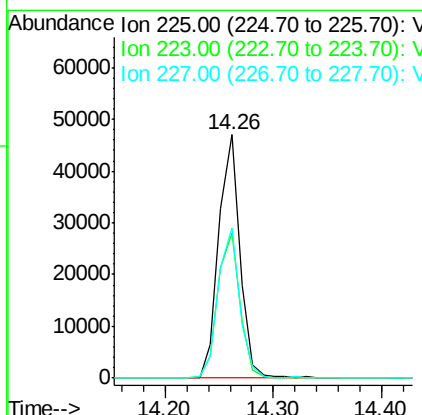
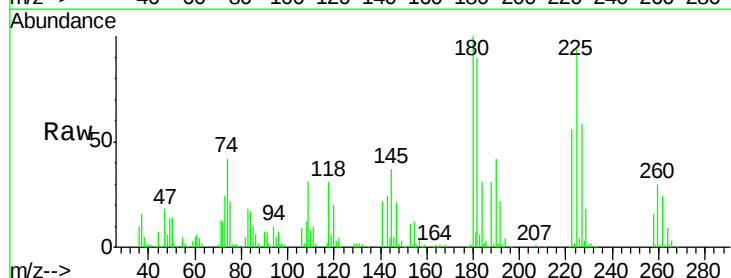
Instrument :
 MSVOA_F
 ClientSampled :

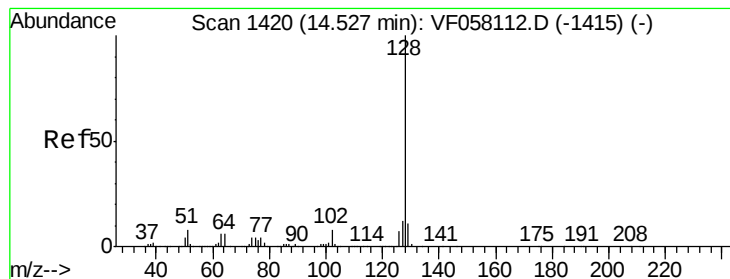
Tot Ion:180 Resp: 110431
 Ion Ratio Lower Upper
 180 100
 182 95.1 49.3 147.9
 145 31.0 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 22.310 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

Tgt Ion:225 Resp: 64240
 Ion Ratio Lower Upper
 225 100
 223 59.5 32.8 98.3
 227 61.8 33.3 99.9





#95

Naphthalene

Concen: 21.987 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

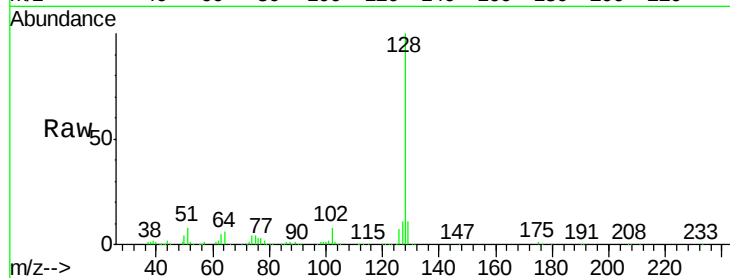
Tot Ion:128 Resp: 233684

Ion Ratio Lower Upper

128 100

127 11.2 9.9 14.9

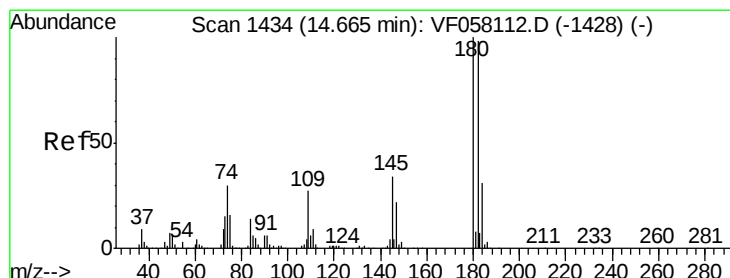
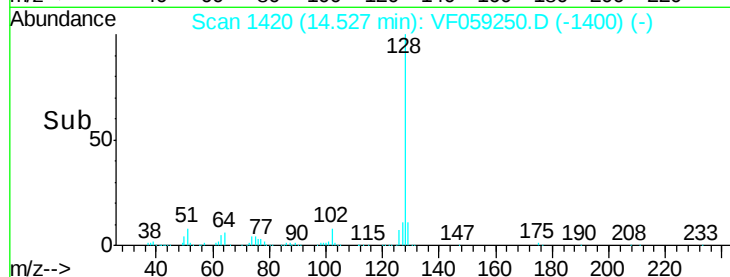
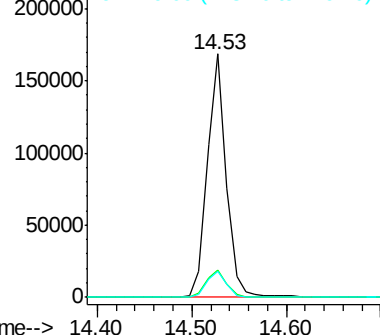
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.010 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

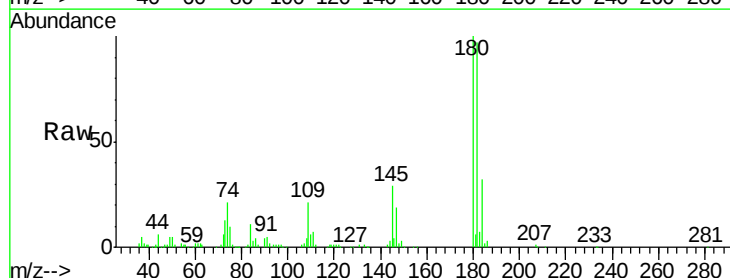
Tgt Ion:180 Resp: 105805

Ion Ratio Lower Upper

180 100

182 97.3 48.9 146.6

145 29.1 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

