

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059863.D
 Acq On : 4 Aug 2018 3:49
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 04 05:31:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 05:27:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	182844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	261750	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	262222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	183136	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	32986	9.88	ug/l	0.00
Spiked Amount			Recovery	=	19.76%	
35) Dibromofluoromethane	4.30	113	26161	9.55	ug/l	0.00
Spiked Amount			Recovery	=	19.10%	
50) Toluene-d8	7.71	98	52744	8.33	ug/l	0.00
Spiked Amount			Recovery	=	16.66%	
62) 4-Bromofluorobenzene	11.51	95	32944	9.41	ug/l	0.00
Spiked Amount			Recovery	=	18.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	30601	11.458	ug/l	88
3) Chloromethane	1.08	50	15343	11.782	ug/l	90
4) Vinyl Chloride	1.15	62	14239	10.627	ug/l	97
5) Bromomethane	1.34	94	14403	12.985	ug/l	90
6) Chloroethane	1.42	64	9224	10.948	ug/l	88
7) Trichlorofluoromethane	1.49	101	11462	3.212	ug/l	90
8) Diethyl Ether	1.71	74	6290	10.565	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.90	101	22421	12.010	ug/l	97
10) Methyl Iodide	1.96	142	34333	11.579	ug/l #	92
11) Tert butyl alcohol	2.68	59	6629	45.367	ug/l #	82
12) 1,1-Dichloroethene	1.86	96	17024	11.469	ug/l	81
13) Acrolein	2.09	56	3755	59.189	ug/l	85
14) Allyl chloride	2.19	41	28039	11.784	ug/l	88
15) Acrylonitrile	3.08	53	11995	49.582	ug/l #	83
16) Acetone	2.34	43	32079	53.529	ug/l	99
17) Carbon Disulfide	1.90	76	42622	11.535	ug/l	98
18) Methyl Acetate	2.45	43	10542	9.420	ug/l #	84
19) Methyl tert-butyl Ether	2.54	73	45468	10.324	ug/l #	84
20) Methylene Chloride	2.28	84	10619	6.189	ug/l #	92
21) trans-1,2-Dichloroethene	2.42	96	16267	10.941	ug/l	83
22) Diisopropyl ether	2.93	45	51612	10.456	ug/l	98
23) Vinyl Acetate	3.33	43	122646	48.926	ug/l	99
24) 1,1-Dichloroethane	3.00	63	38178	11.034	ug/l #	96
25) 2-Butanone	4.50	43	32019	49.600	ug/l	93
26) 2,2-Dichloropropane	3.77	77	22442	9.421	ug/l	93
27) cis-1,2-Dichloroethene	3.64	96	19518	10.705	ug/l	82
28) Bromochloromethane	3.88	49	13965	10.399	ug/l	96
29) Tetrahydrofuran	4.26	42	11052	43.350	ug/l	93
30) Chloroform	4.04	83	55696	11.540	ug/l	86
31) Cyclohexane	3.87	56	18610	9.919	ug/l	88
32) 1,1,1-Trichloroethane	4.28	97	44634	11.797	ug/l	93
36) 1,1-Dichloropropene	4.47	75	30300	9.730	ug/l	95
37) Ethyl Acetate	4.29	43	12053	7.952	ug/l #	67
38) Carbon Tetrachloride	4.17	117	50865	11.910	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	22169	9.435	ug/l	95
40) Benzene	4.81	78	82760	15.314	ug/l	98
41) Methacrylonitrile	4.93	41	6961	9.348	ug/l #	80
42) 1,2-Dichloroethane	5.12	62	43346	11.231	ug/l	99
43) Isopropyl Acetate	7.12	43	11803	7.599	ug/l #	100
44) Trichloroethene	5.68	130	20921	9.984	ug/l	82
45) 1,2-Dichloropropane	6.41	63	13623	9.595	ug/l	92
46) Dibromomethane	6.26	93	15099	11.168	ug/l #	85
47) Bromodichloromethane	6.56	83	38927	10.502	ug/l	98
49) 1,4-Dioxane	6.87	88	1134	125.115	ug/l #	83
51) 4-Methyl-2-Pentanone	8.41	43	69864	56.561	ug/l	100
52) Toluene	7.79	92	38504	9.600	ug/l	88
53) t-1,3-Dichloropropene	8.43	75	30143	9.568	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	27611	8.951	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	14092	9.807	ug/l	90
56) Ethyl methacrylate	8.76	69	11187	7.525	ug/l	87
57) 1,3-Dichloropropane	9.01	76	24168	9.699	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	10143	56.073	ug/l	100
59) 2-Hexanone	9.63	43	46951	48.125	ug/l	100
60) Dibromochloromethane	8.86	129	25754	9.965	ug/l	88
61) 1,2-Dibromoethane	9.14	107	15587	9.138	ug/l	97
64) Tetrachloroethene	8.31	164	23529	11.003	ug/l	90
65) Chlorobenzene	9.95	112	52980	9.857	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.07	131	26669	10.576	ug/l	94
67) Ethyl Benzene	10.04	91	89746	9.622	ug/l	100
68) m/p-Xylenes	10.27	106	62816	19.214	ug/l	98
69) o-Xylene	10.83	106	32018	9.259	ug/l	86
70) Stvrene	10.90	104	52012	10.043	ug/l	97
71) Bromoform	10.89	173	16160	9.980	ug/l	97
73) Isopropylbenzene	11.23	105	107038	8.729	ug/l	90
74) N-amyl acetate	11.46	43	20879	6.903	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	21111	9.302	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	18282	9.397	ug/l	90
77) Bromobenzene	11.59	156	32852	10.294	ug/l	92
78) n-propylbenzene	11.69	91	135296	9.462	ug/l	100
79) 2-Chlorotoluene	11.82	91	84281	9.483	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	109095	9.877	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	5168	6.600	ug/l #	77
82) 4-Chlorotoluene	11.99	91	92312	9.733	ug/l	94
83) tert-Butylbenzene	12.21	119	105135	9.592	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	107438	9.691	ug/l	100
85) sec-Butylbenzene	12.39	105	136502	9.672	ug/l	98
86) p-Isopropyltoluene	12.54	119	113786	9.141	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	59899	9.843	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	59169	9.940	ug/l	96
89) n-Butylbenzene	12.92	91	110202	9.413	ug/l	96
90) Hexachloroethane	12.99	117	31046	9.936	ug/l	82
91) 1,2-Dichlorobenzene	13.02	146	58320	9.909	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	5077	8.997	ug/l	78
93) 1,2,4-Trichlorobenzene	14.26	180	41377	9.047	ug/l	93

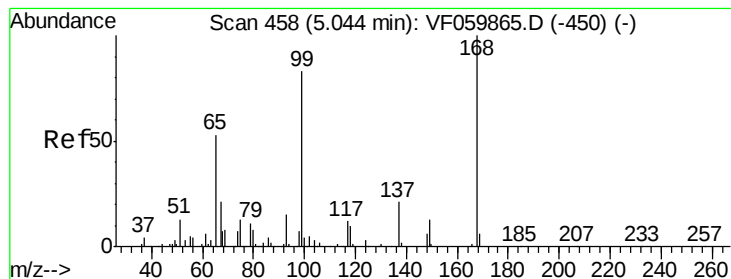
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.25	225	30159	9.839	ug/l	92
95) Naphthalene	14.52	128	63939	7.992	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	41285	9.295	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

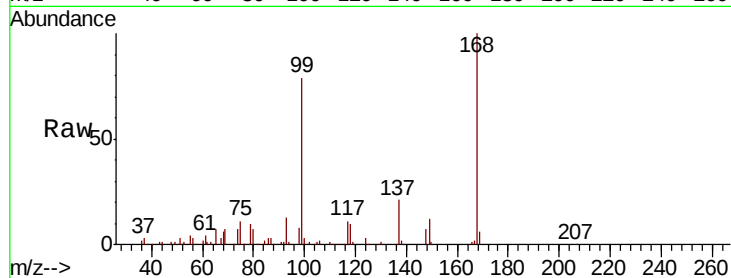
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 182844

Ion Ratio Lower Upper

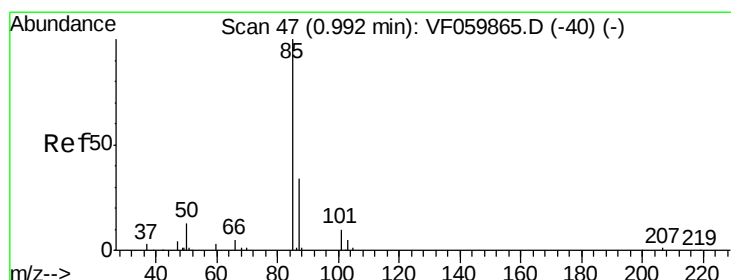
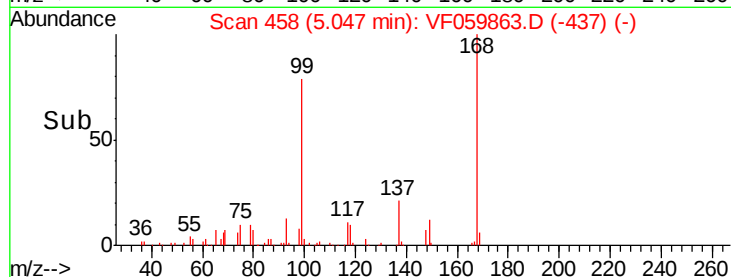
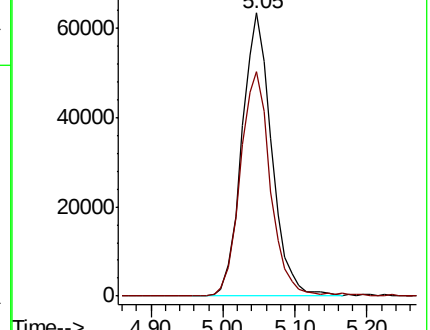
168 100

99 79.3 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 11.458 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059863.D

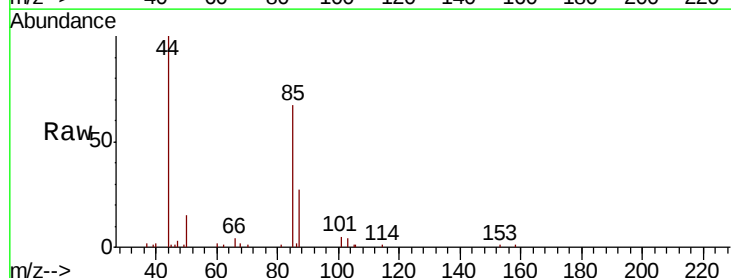
Acq: 4 Aug 2018 3:49

Tgt Ion: 85 Resp: 30601

Ion Ratio Lower Upper

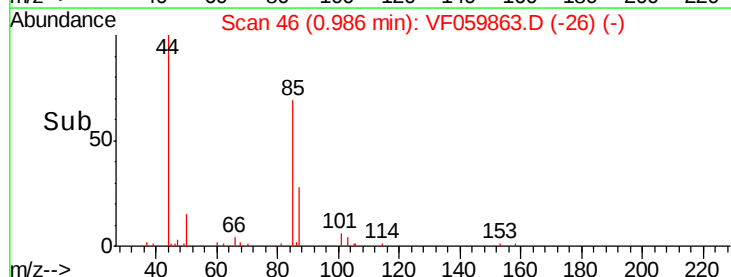
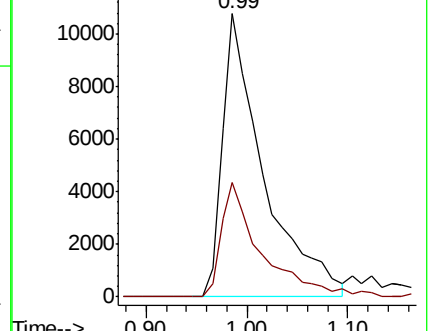
85 100

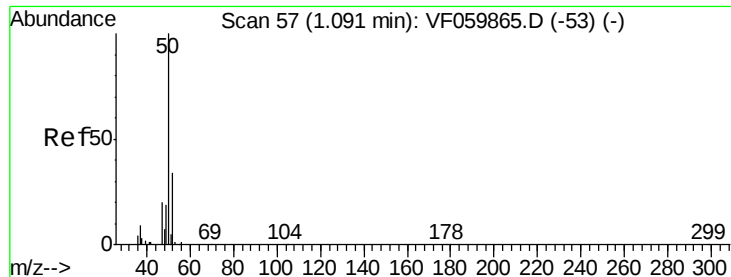
87 40.5 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 11.782 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

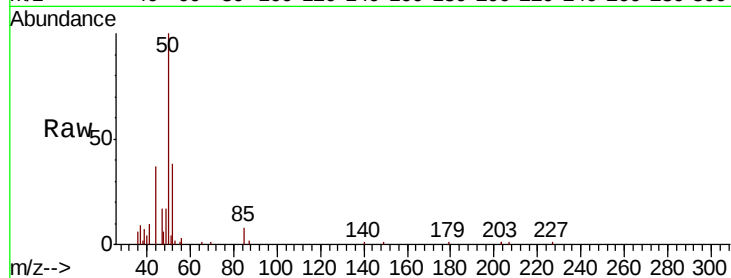
ClientSampled :

Tot Ion: 50 Resp: 15343

Ion Ratio Lower Upper

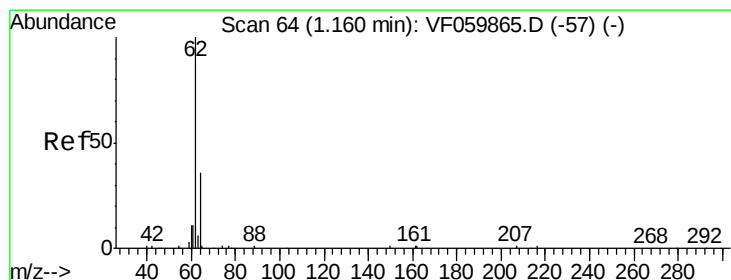
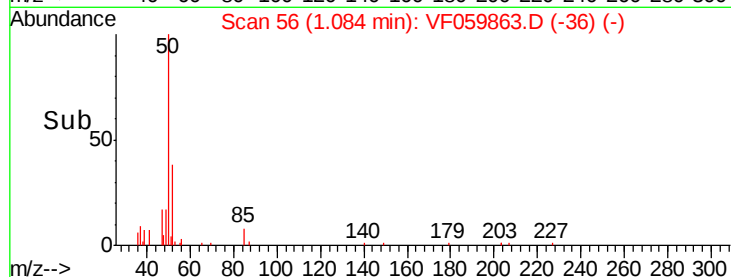
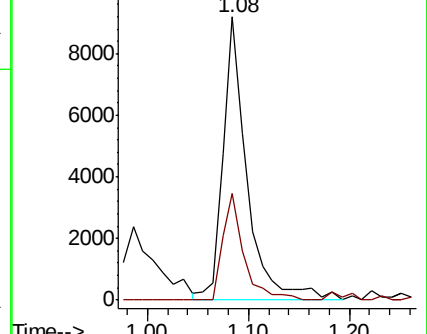
50 100

52 37.9 25.8 38.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 10.627 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059863.D

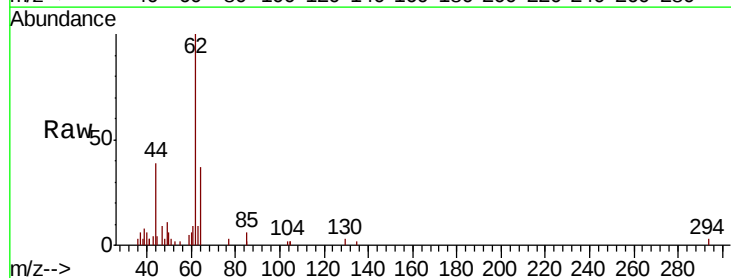
Acq: 4 Aug 2018 3:49

Tgt Ion: 62 Resp: 14239

Ion Ratio Lower Upper

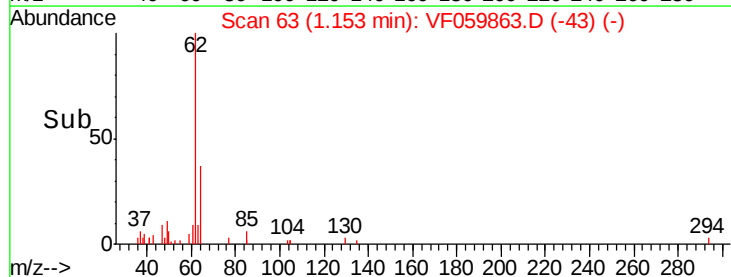
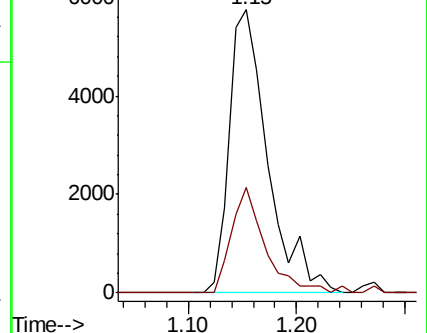
62 100

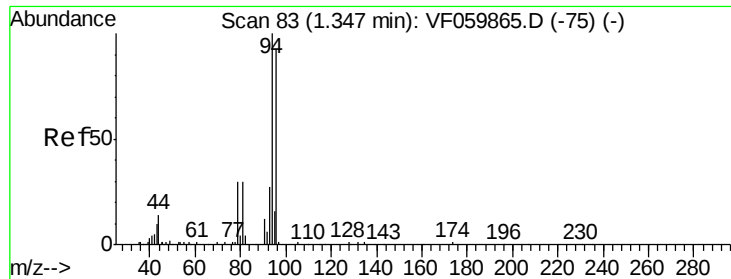
64 37.1 28.5 42.7



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 12.985 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

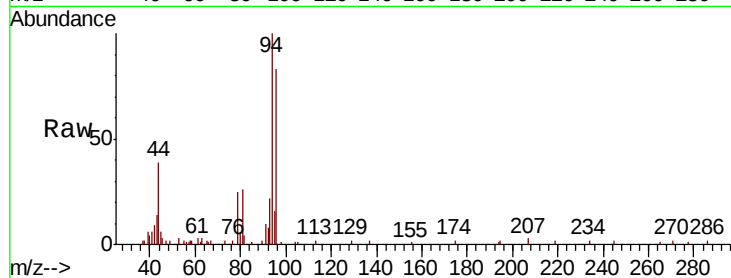
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 14403

Ion Ratio Lower Upper

94 100

96 82.5 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

8000

6000

4000

2000

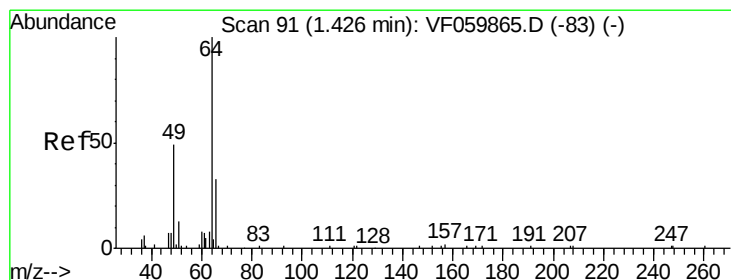
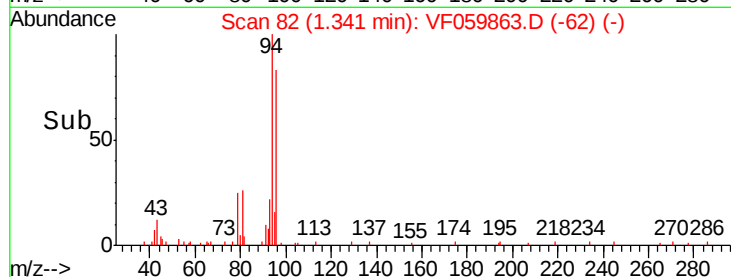
0

1.20

1.30

1.40

Time-->



#6

Chloroethane

Concen: 10.948 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059863.D

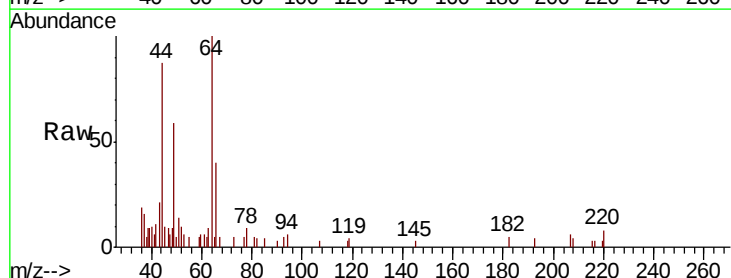
Acq: 4 Aug 2018 3:49

Tgt Ion: 64 Resp: 9224

Ion Ratio Lower Upper

64 100

66 40.2 26.9 40.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

4000

3000

2000

1000

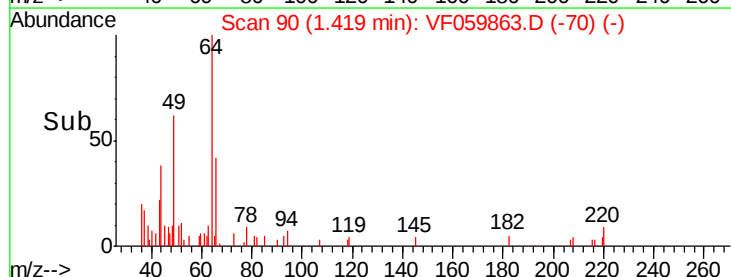
0

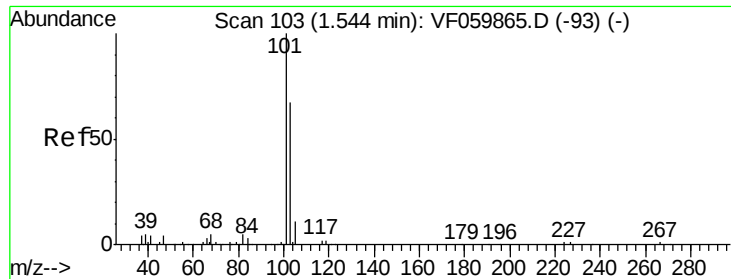
1.30

1.40

1.50

Time-->





#7

Trichlorofluoromethane

Concen: 3.212 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.06 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

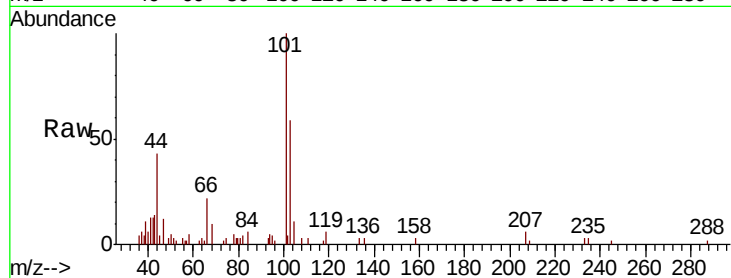
ClientSampleId :

Tot Ion:101 Resp: 11462

Ion Ratio Lower Upper

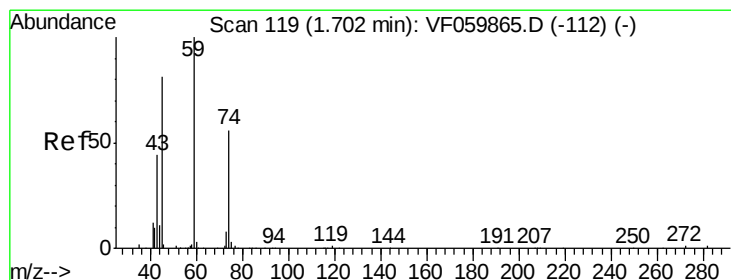
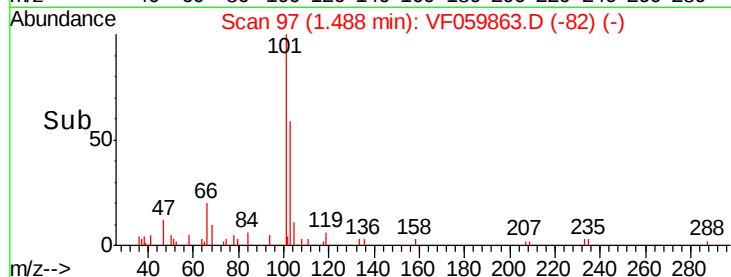
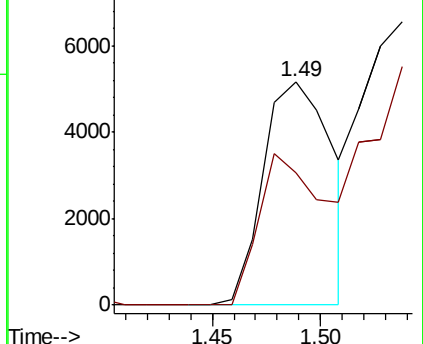
101 100

103 59.1 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 10.565 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF059863.D

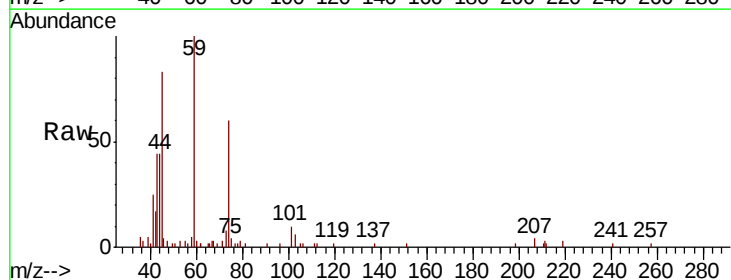
Acq: 4 Aug 2018 3:49

Tgt Ion: 74 Resp: 6290

Ion Ratio Lower Upper

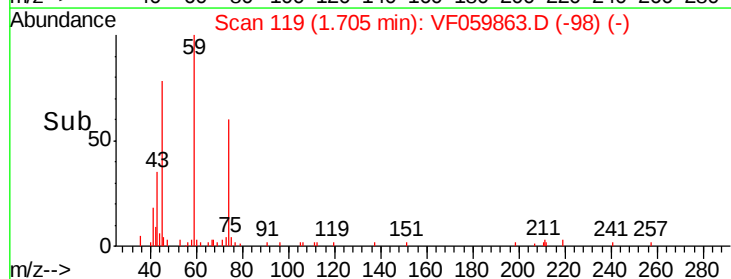
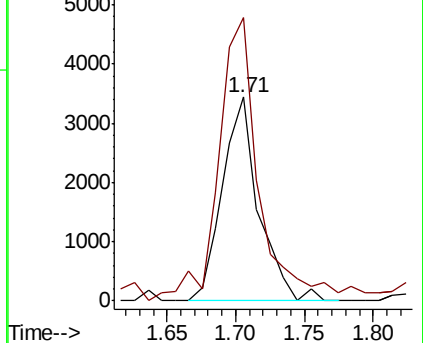
74 100

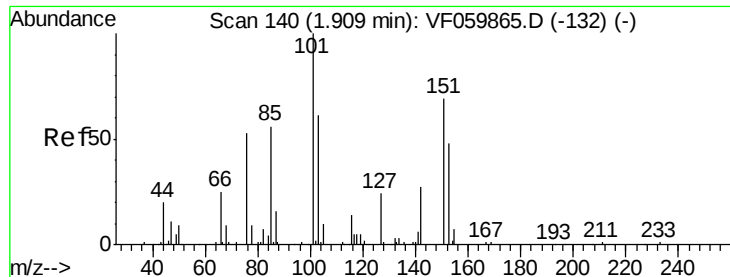
45 139.0 73.6 220.7



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: 12.010 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

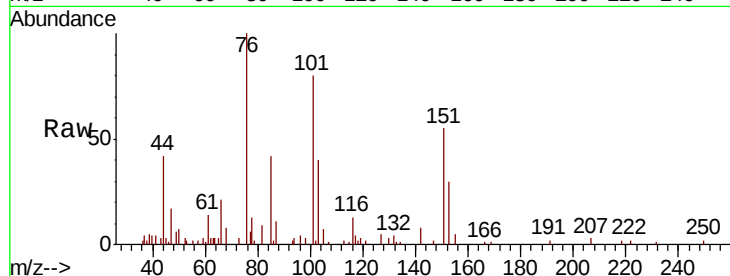
Tot Ion:101 Resp: 22421

Ion Ratio Lower Upper

101 100

85 52.6 44.5 66.7

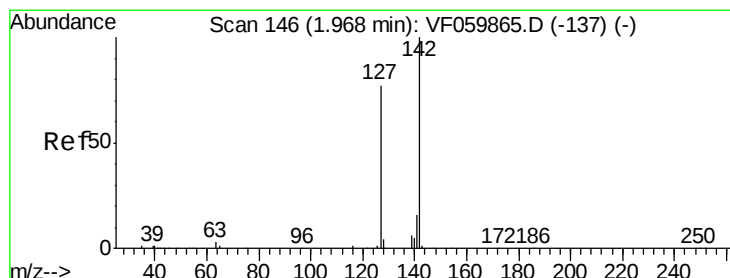
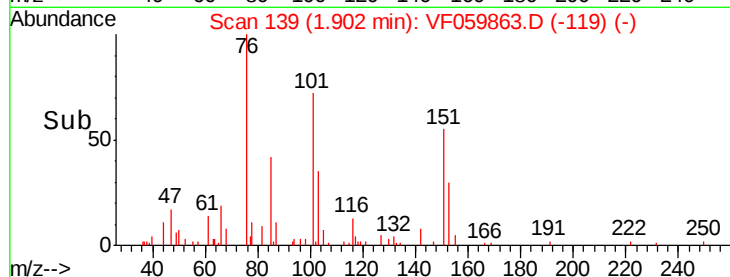
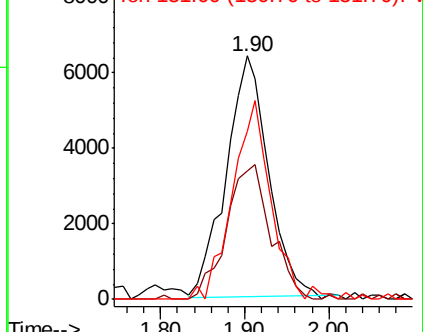
151 68.8 53.8 80.8



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: 11.579 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

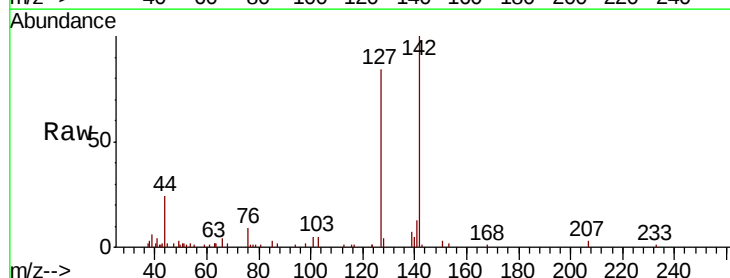
Tgt Ion:142 Resp: 34333

Ion Ratio Lower Upper

142 100

127 84.1 61.5 92.3

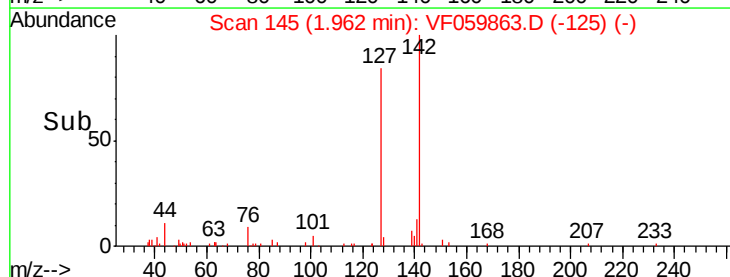
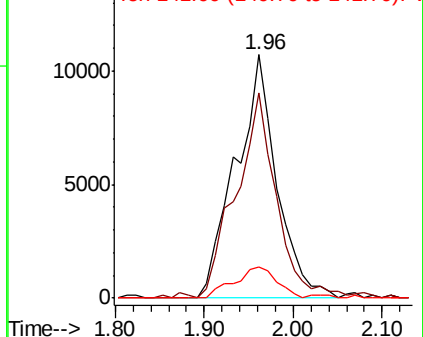
141 12.7 13.0 19.4#

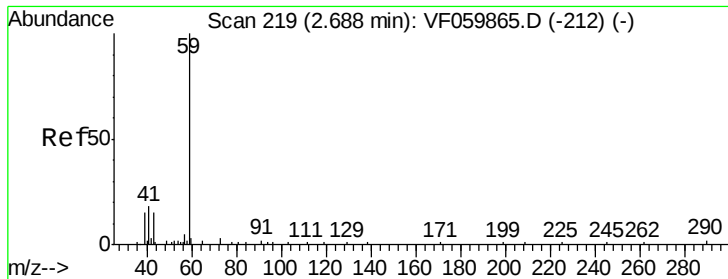


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



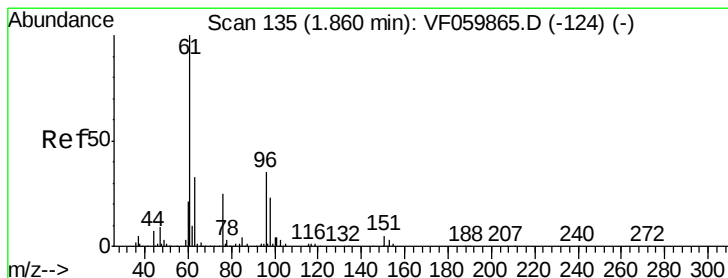
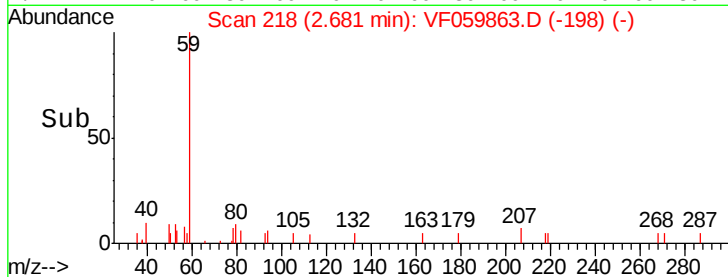
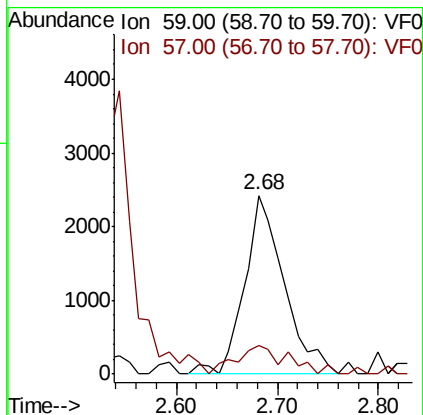
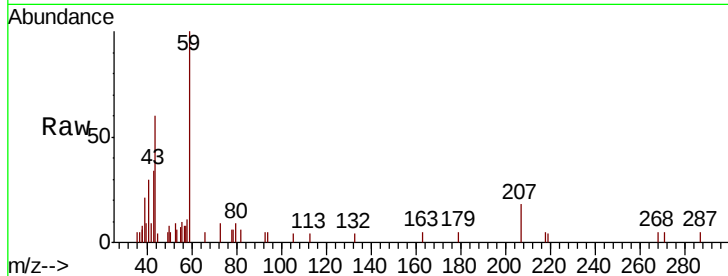


#11

Tert butyl alcohol
 Concen: 45.367 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Instrument :
 MSVOA_F
 ClientSampled :

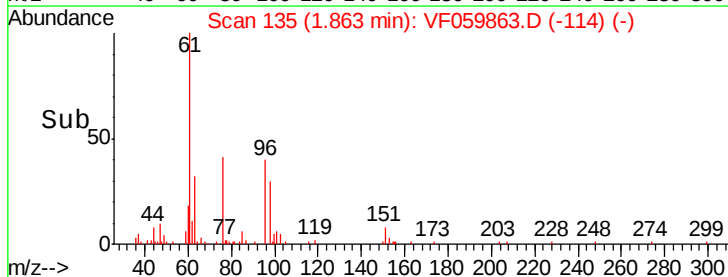
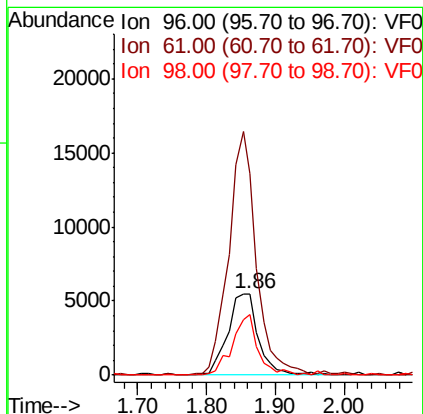
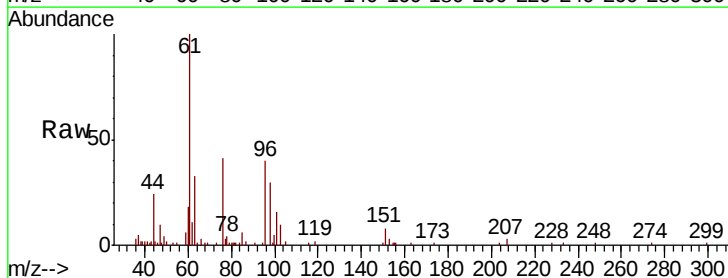
Tot Ion: 59 Resp: 6629
 Ion Ratio Lower Upper
 59 100
 57 16.2 7.6 11.4#

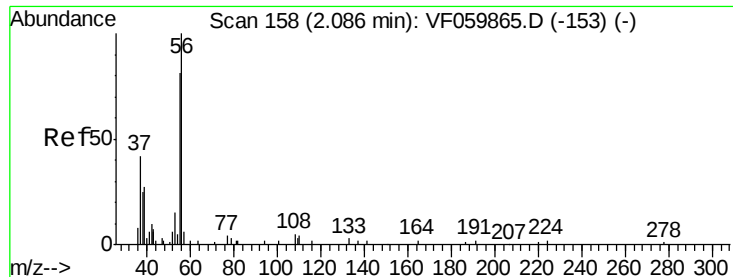


#12

1,1-Dichloroethene
 Concen: 11.469 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Tgt Ion: 96 Resp: 17024
 Ion Ratio Lower Upper
 96 100
 61 247.4 230.2 345.2
 98 74.7 52.7 79.1





#13

Acrolein

Concen: 59.189 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

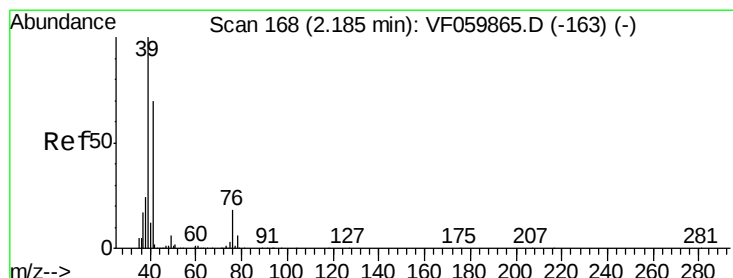
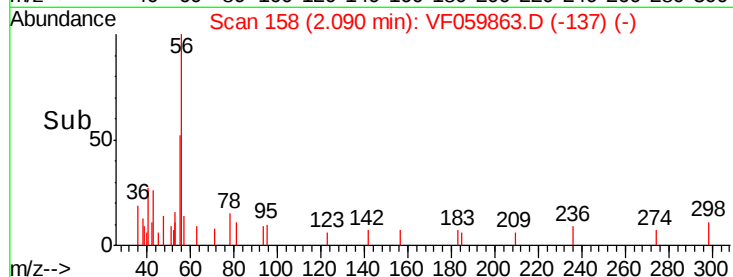
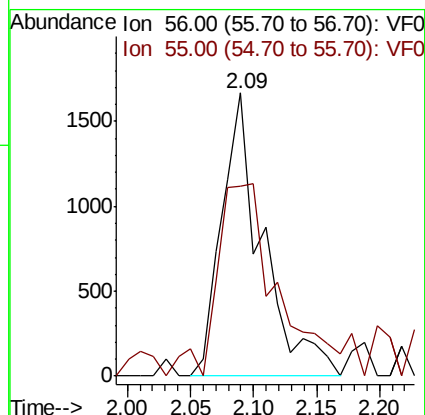
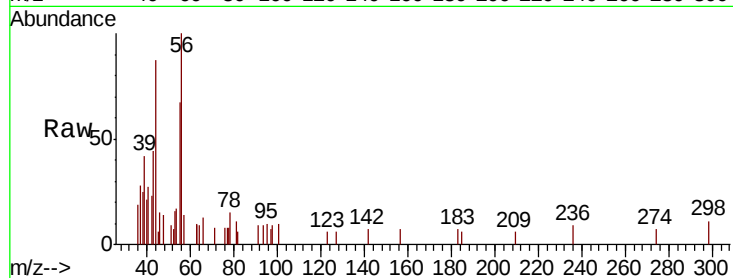
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 3755

Ion Ratio Lower Upper

56 100

55 67.3 64.6 96.8



#14

Allyl chloride

Concen: 11.784 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

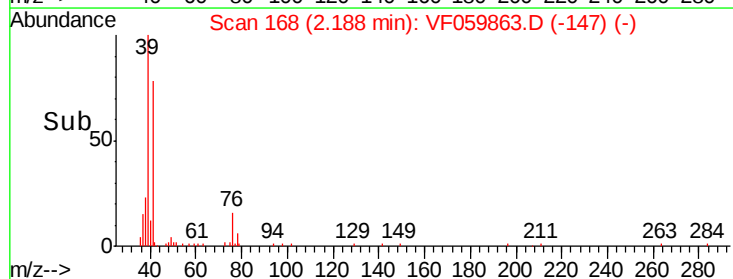
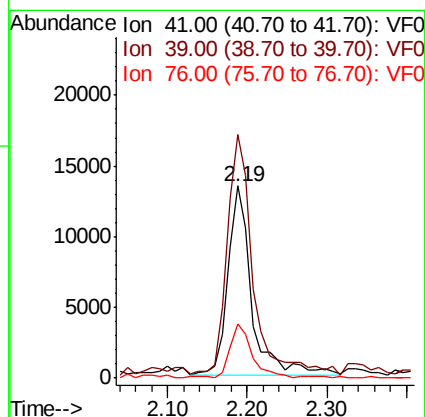
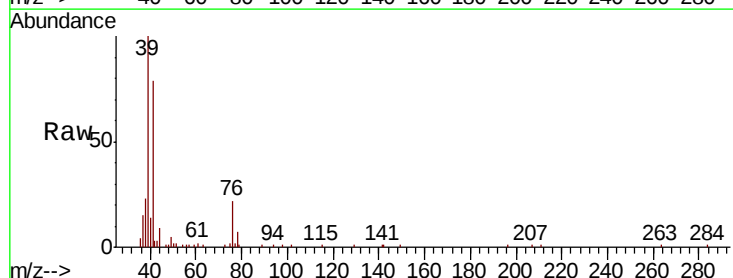
Tgt Ion: 41 Resp: 28039

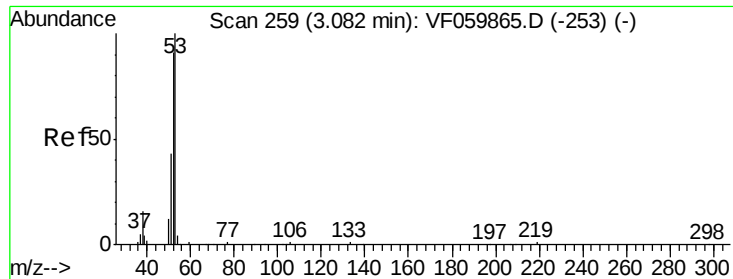
Ion Ratio Lower Upper

41 100

39 126.9 114.6 171.8

76 28.0 21.0 31.4





#15

Acrylonitrile

Concen: 49.582 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

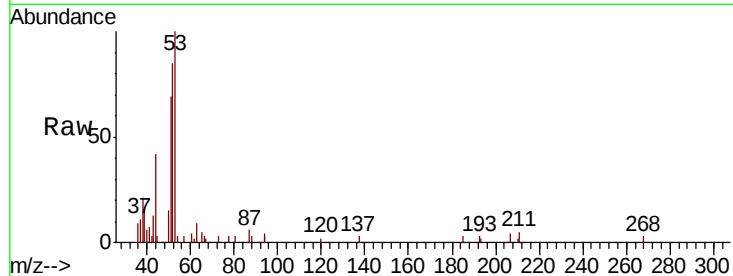
Tot Ion: 53 Resp: 11995

Ion Ratio Lower Upper

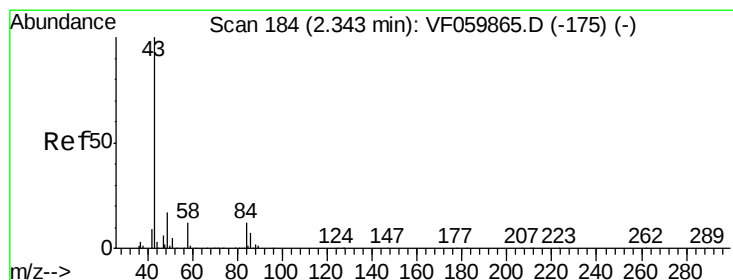
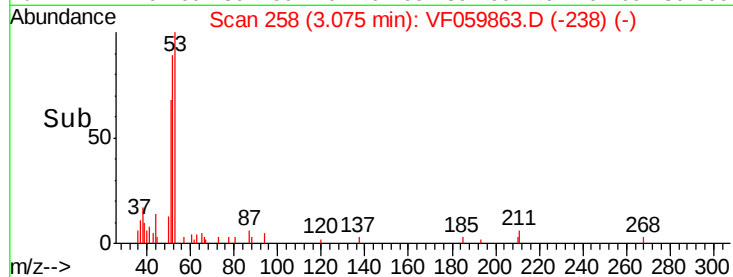
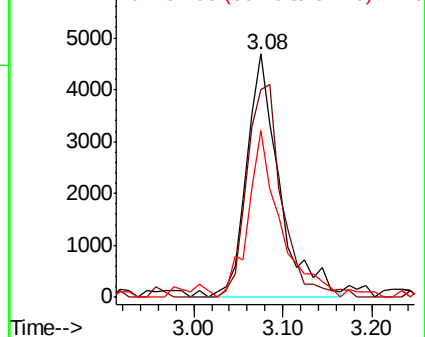
53 100

52 85.2 72.9 109.3

51 68.7 34.5 51.7#



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 53.529 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF059863.D

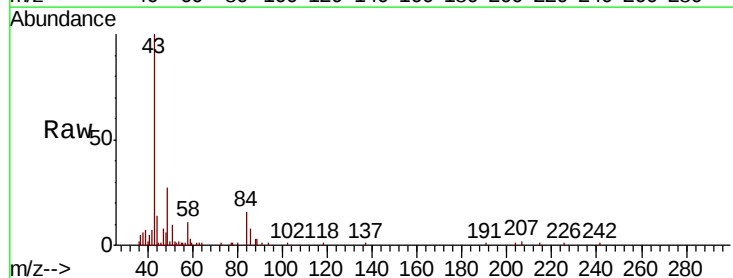
Acq: 4 Aug 2018 3:49

Tgt Ion: 43 Resp: 32079

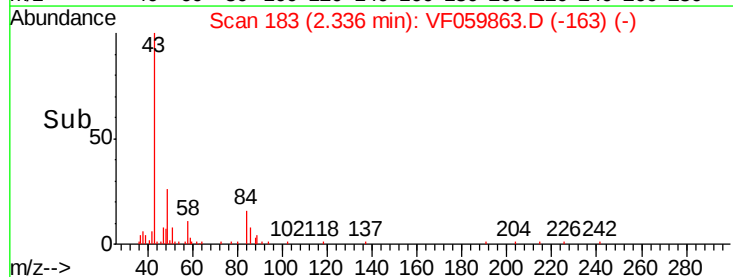
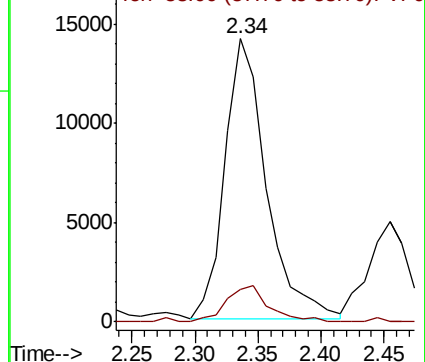
Ion Ratio Lower Upper

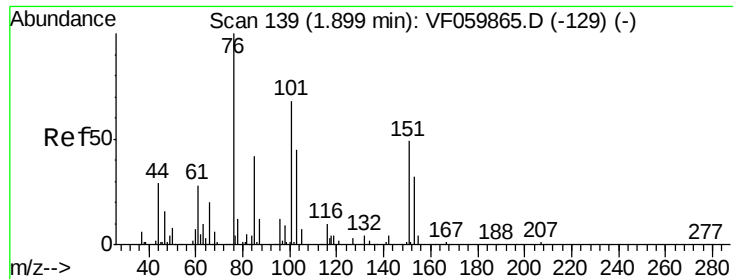
43 100

58 11.5 9.4 14.0



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

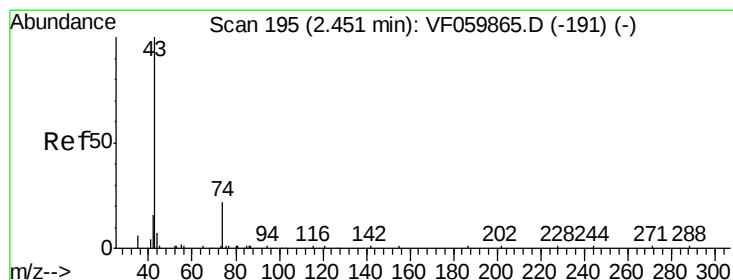
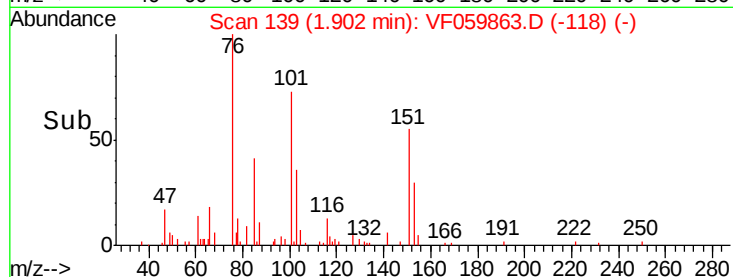
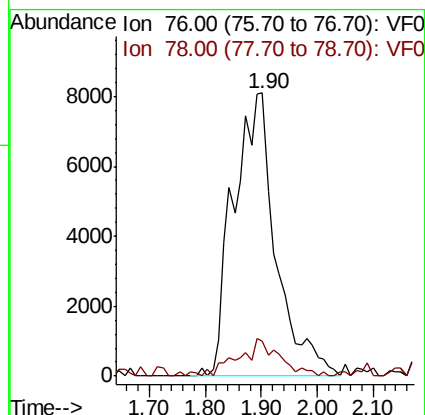
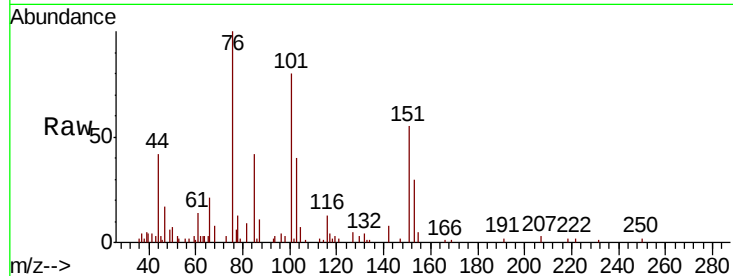




#17
Carbon Disulfide
Concen: 11.535 ug/l
RT: 1.90 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

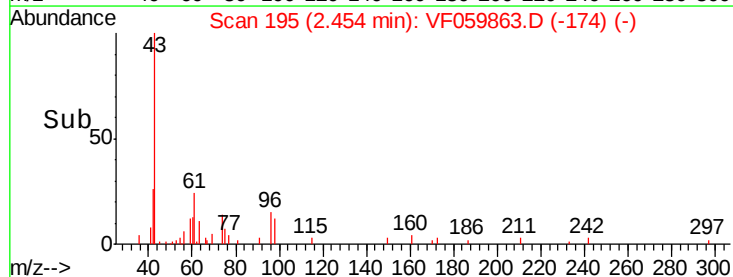
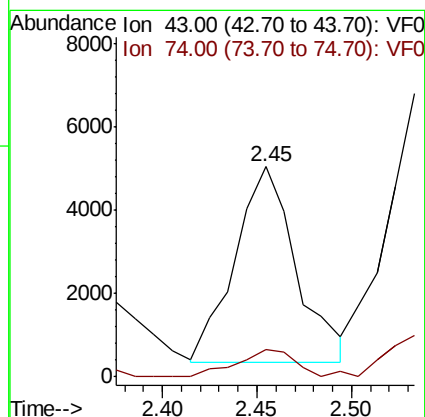
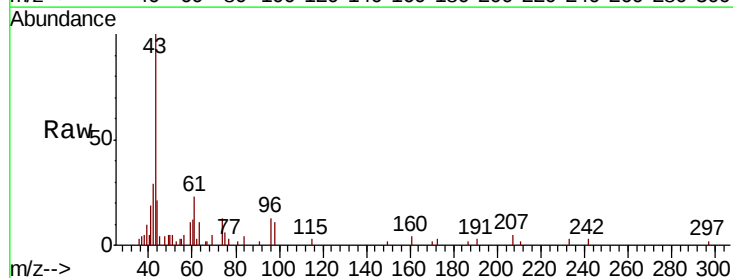
Instrument :
MSVOA_F
ClientSampled :

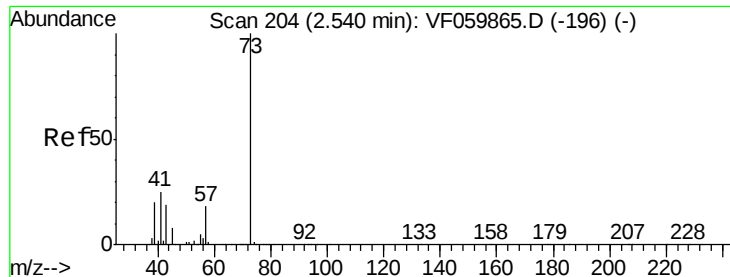
Tot Ion: 76 Resp: 42622
Ion Ratio Lower Upper
76 100
78 12.5 9.3 13.9



#18
Methyl Acetate
Concen: 9.420 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion: 43 Resp: 10542
Ion Ratio Lower Upper
43 100
74 13.0 16.3 24.5#



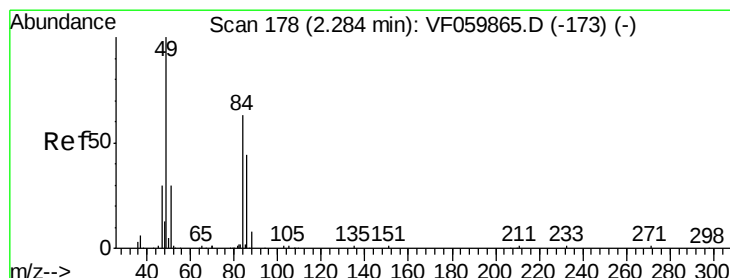
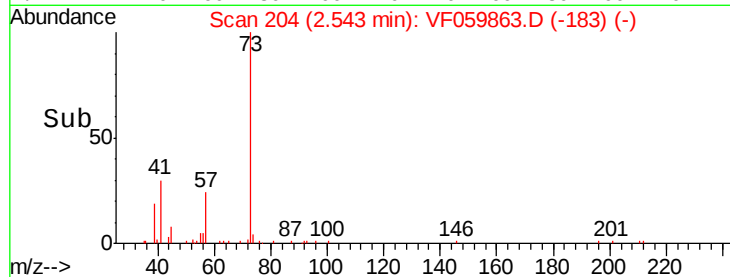
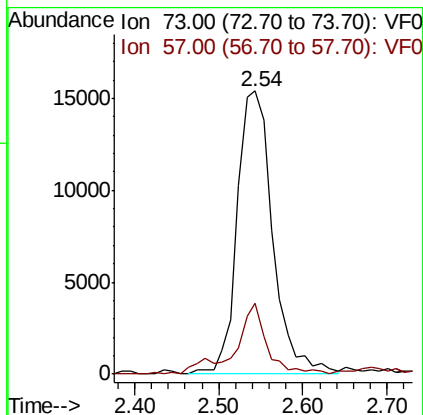
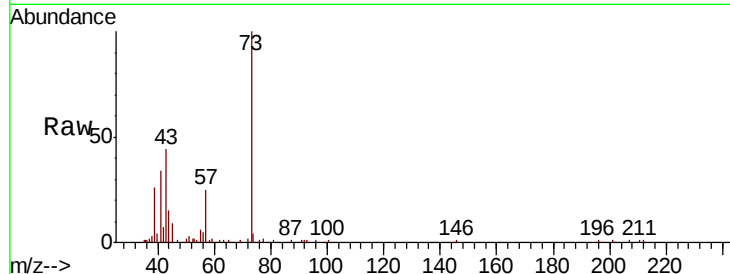


#19

Methyl tert-butyl Ether
 Concen: 10.324 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Instrument :
 MSVOA_F
 ClientSampleId :

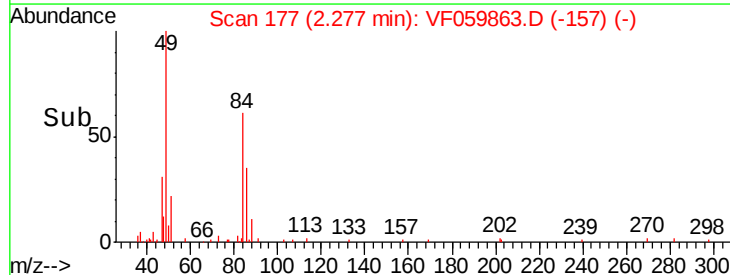
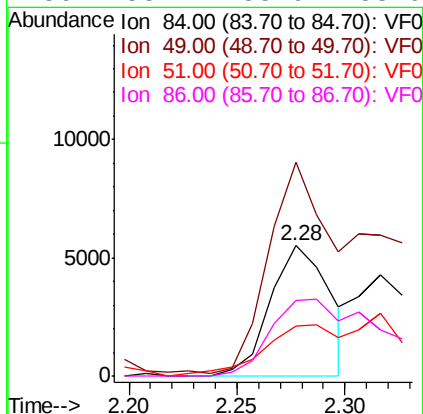
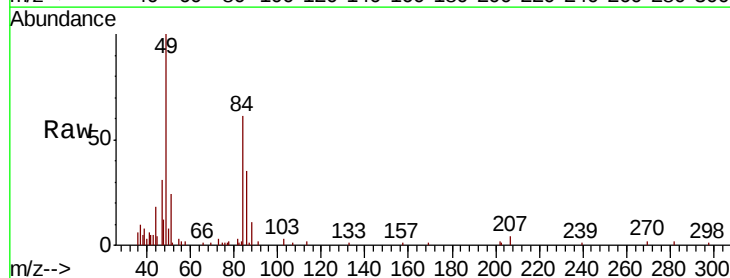
Tot Ion: 73 Resp: 45468
 Ion Ratio Lower Upper
 73 100
 57 24.9 14.3 21.5#

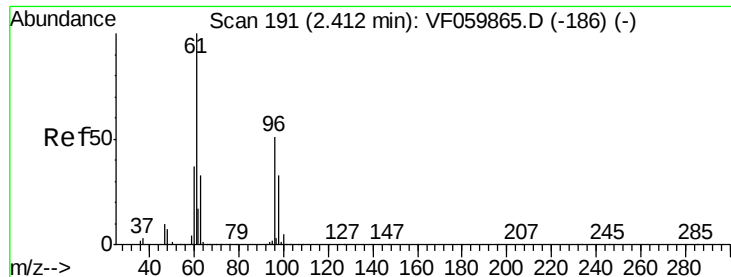


#20

Methylene Chloride
 Concen: 6.189 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. -0.01 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Tgt Ion: 84 Resp: 10619
 Ion Ratio Lower Upper
 84 100
 49 164.2 128.7 193.1
 51 38.7 39.3 58.9#
 86 58.2 55.9 83.9





#21

trans-1,2-Dichloroethene

Concen: 10.941 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

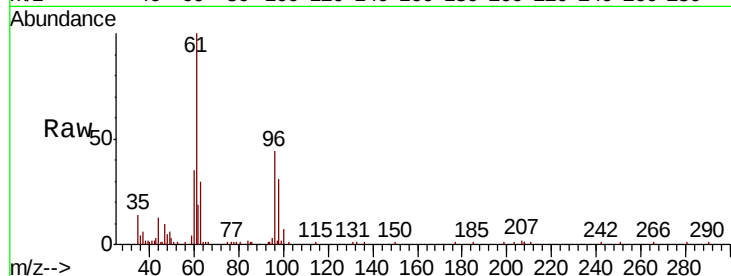
Tot Ion: 96 Resp: 16267

Ion Ratio Lower Upper

96 100

61 228.2 158.2 237.4

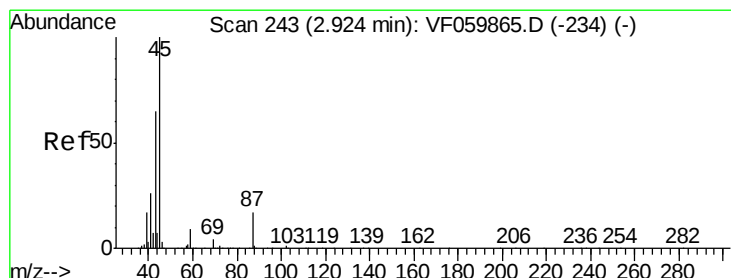
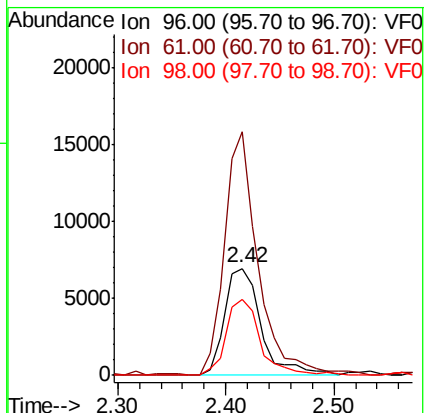
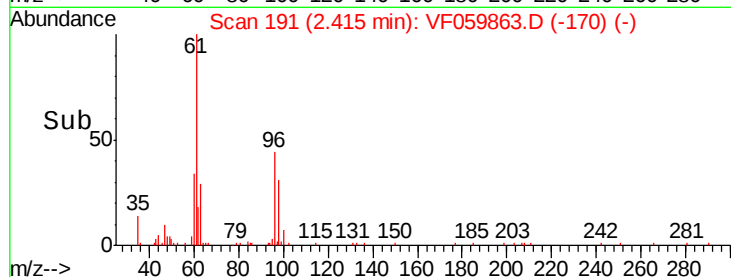
98 71.5 52.0 78.0



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: 10.456 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Tgt Ion: 45 Resp: 51612

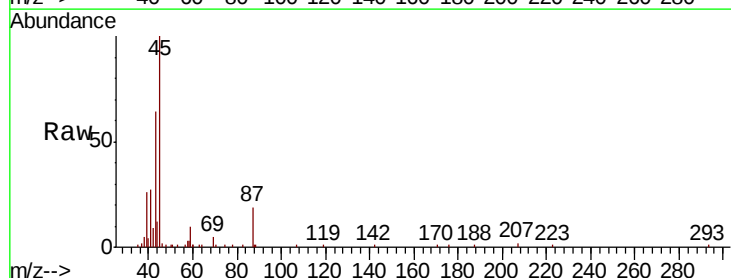
Ion Ratio Lower Upper

45 100

43 64.1 52.1 78.1

87 18.6 13.8 20.8

59 9.8 7.5 11.3

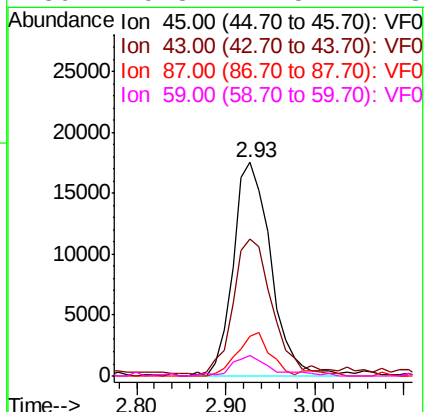
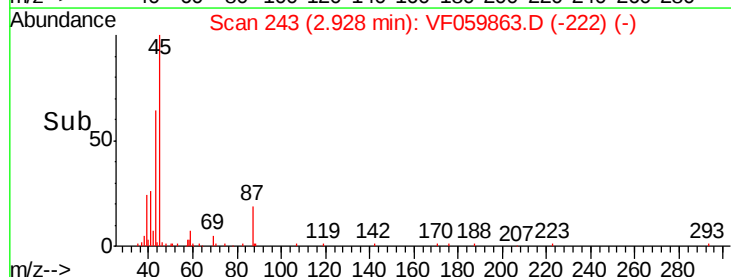


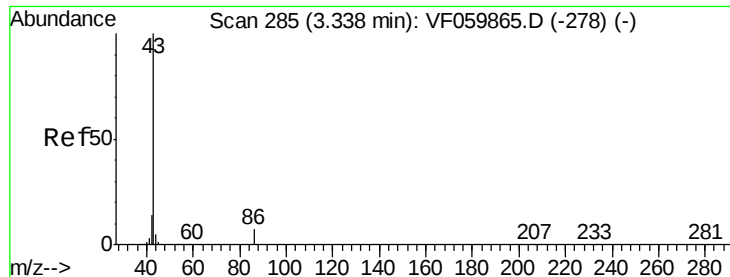
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 48.926 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

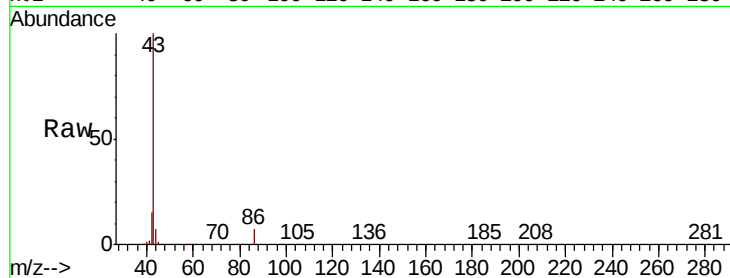
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 122646

Ion Ratio Lower Upper

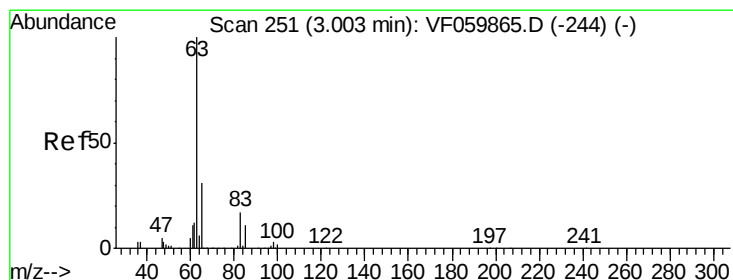
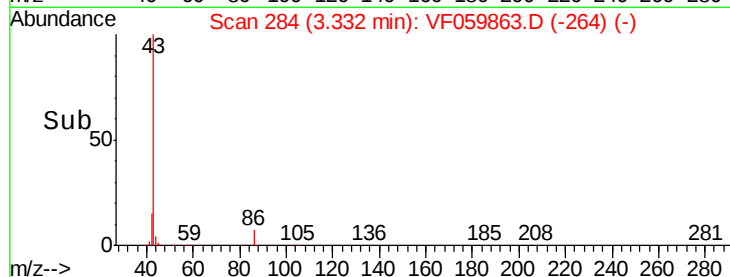
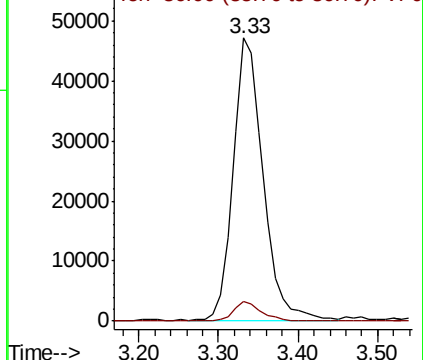
43 100

86 6.8 5.6 8.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 11.034 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

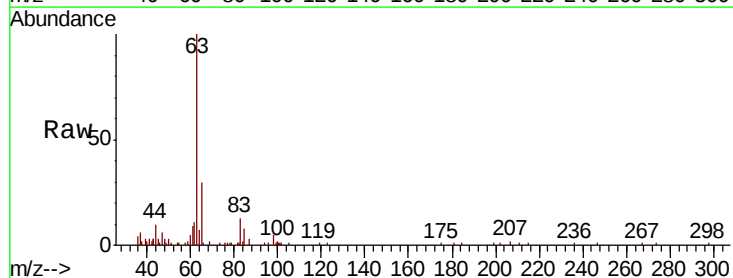
Tgt Ion: 63 Resp: 38178

Ion Ratio Lower Upper

63 100

98 5.1 1.9 5.7

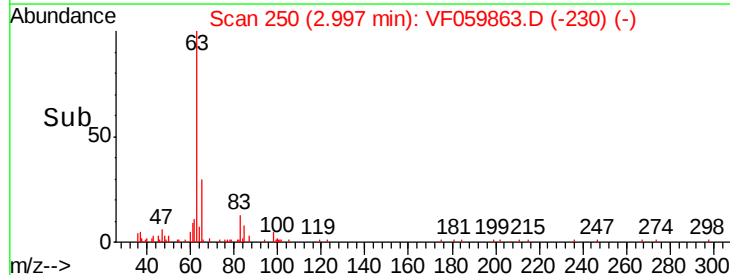
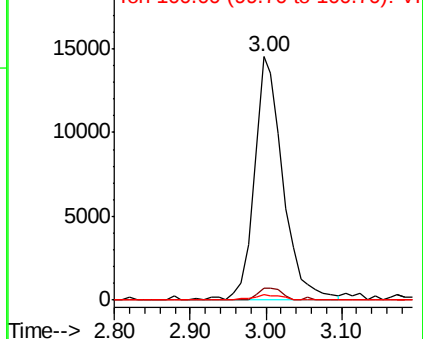
100 3.5 1.1 3.5#

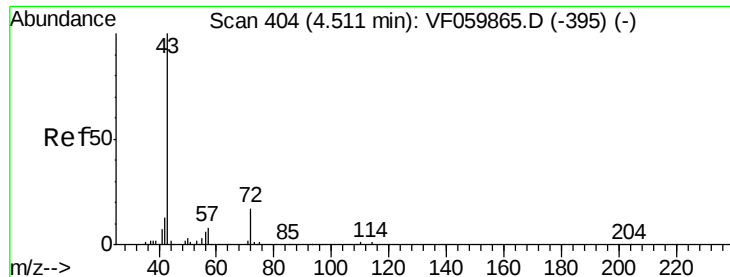


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 49.600 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

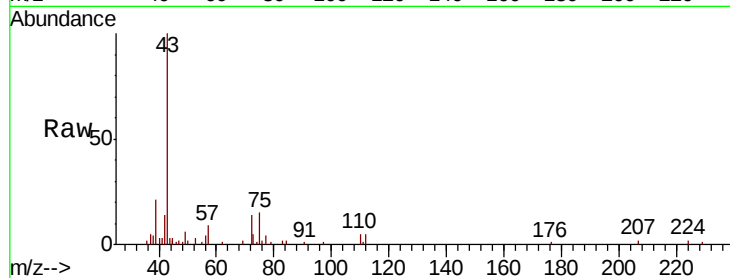
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 32019

Ion Ratio Lower Upper

43 100

72 14.2 13.9 20.9

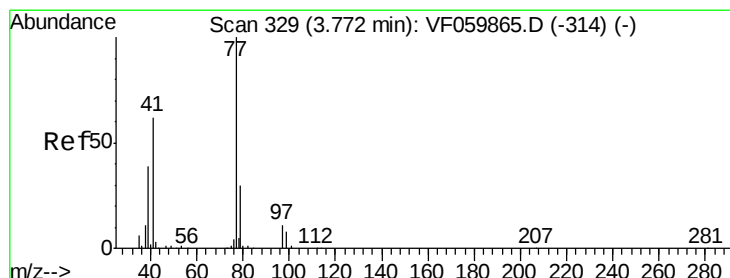
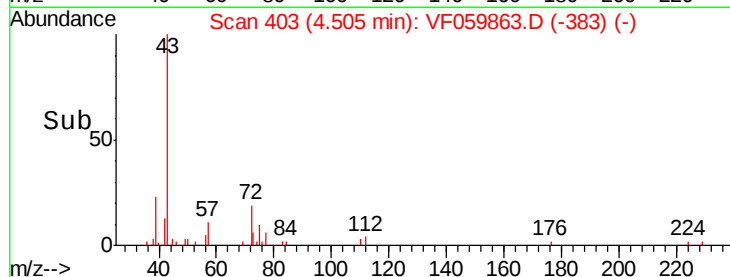


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Time-->

4.40 4.50 4.60



#26

2,2-Dichloropropane

Concen: 9.421 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF059863.D

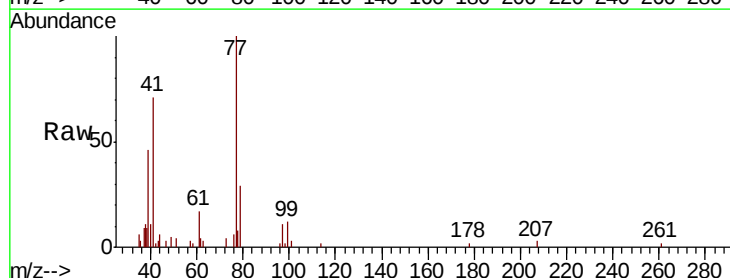
Acq: 4 Aug 2018 3:49

Tgt Ion: 77 Resp: 22442

Ion Ratio Lower Upper

77 100

97 10.6 6.8 20.3

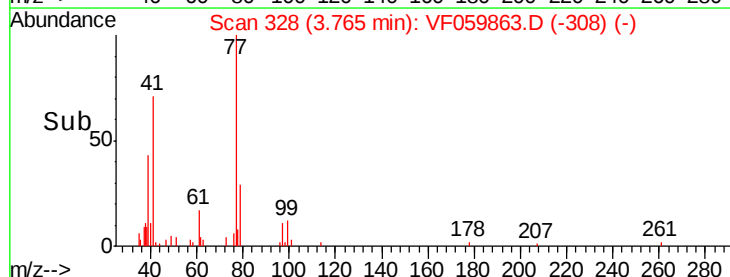


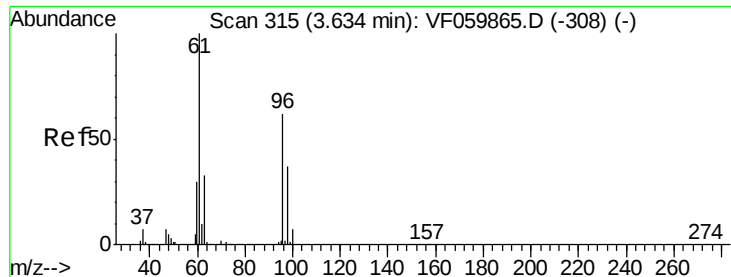
Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

Time-->

3.70 3.80



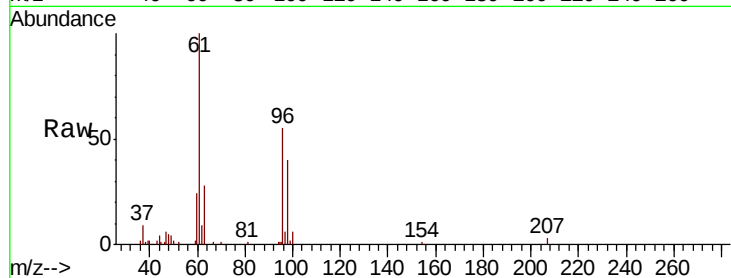


#27

cis-1,2-Dichloroethene
 Concen: 10.705 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	96	Resp	19518
Ion	Ratio	Lower	Upper
96	100		
61	183.4	0.0	320.8
98	73.4	0.0	117.6

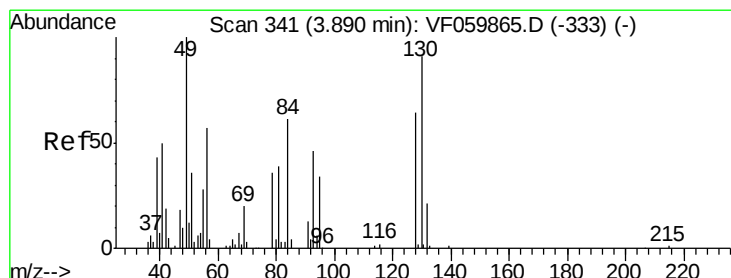
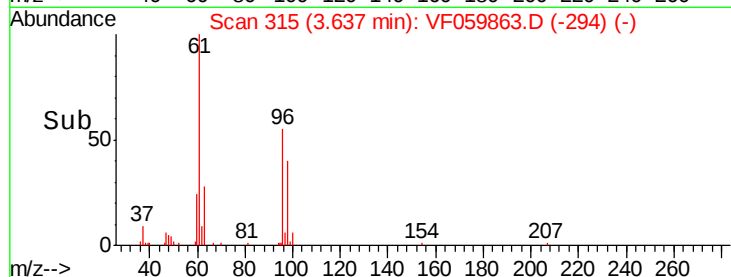
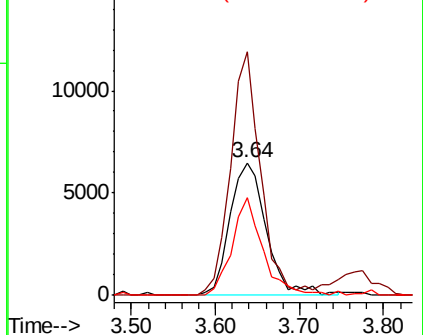


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

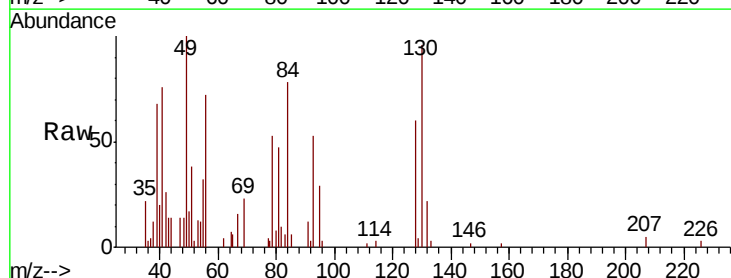
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
 Concen: 10.399 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Tgt Ion	49	Resp	13965
Ion	Ratio	Lower	Upper
49	100		
129	3.8	0.0	4.6
130	96.3	73.8	110.8

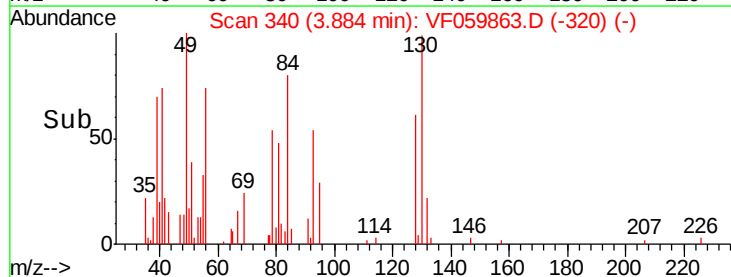
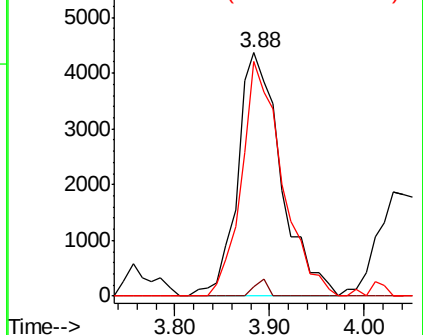


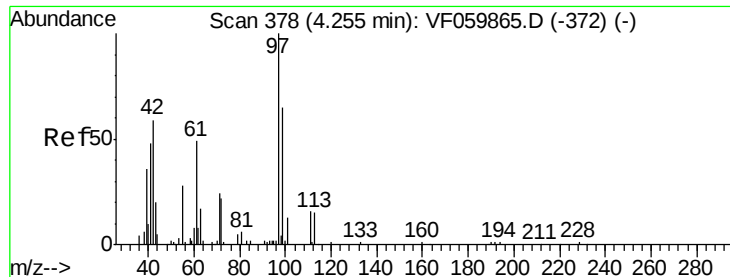
Abundance

Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

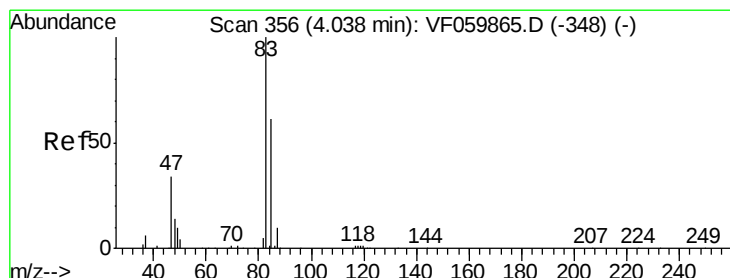
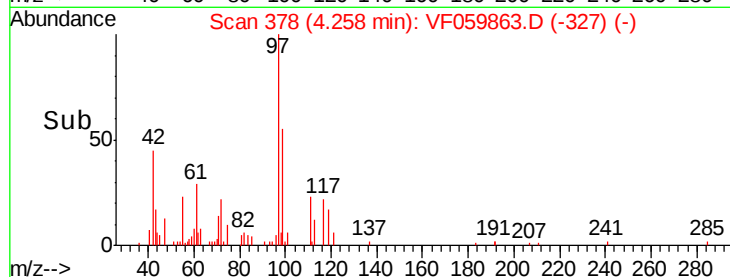
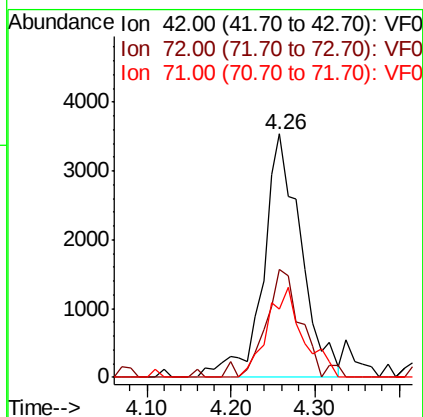
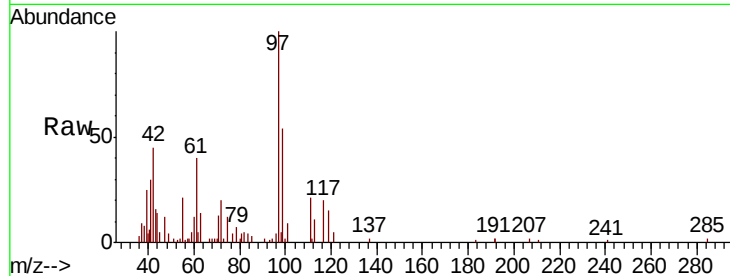




#29
Tetrahydrofuran
Concen: 43.350 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

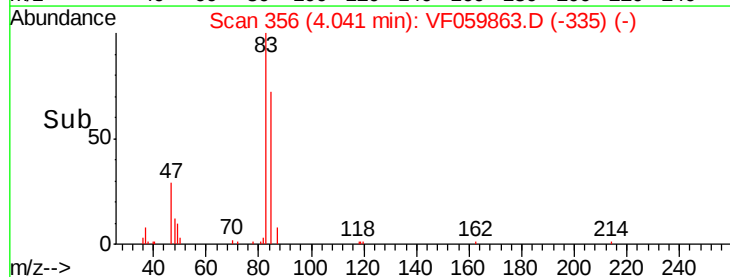
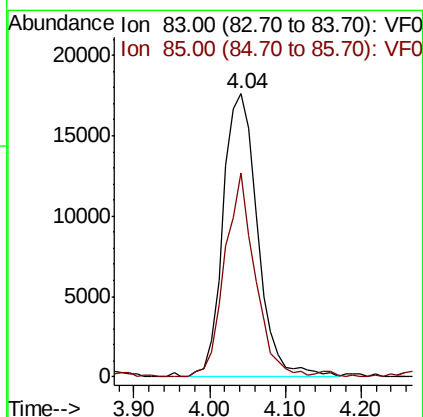
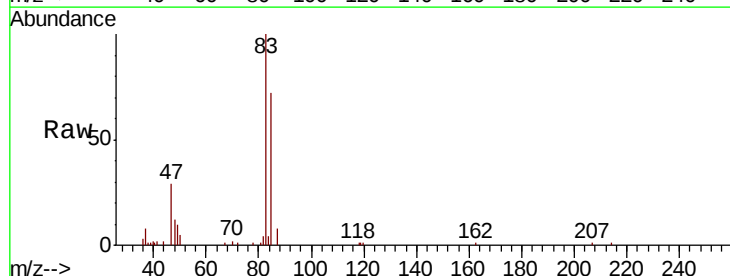
Instrument :
MSVOA_F
ClientSampleId :

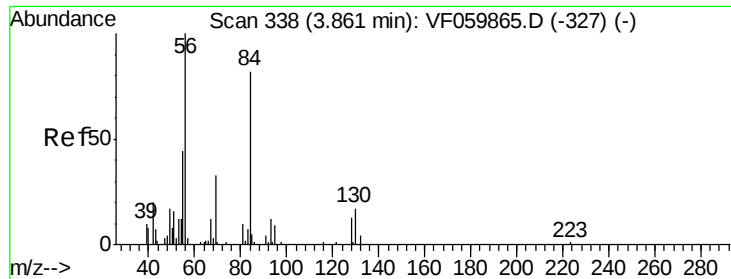
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	29.3	43.9
71	35.2	30.0	45.0



#30
Chloroform
Concen: 11.540 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.1	49.3	73.9

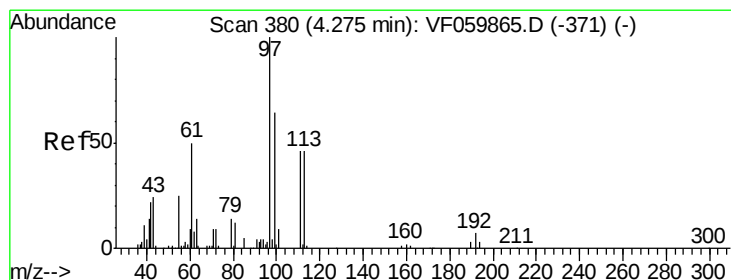
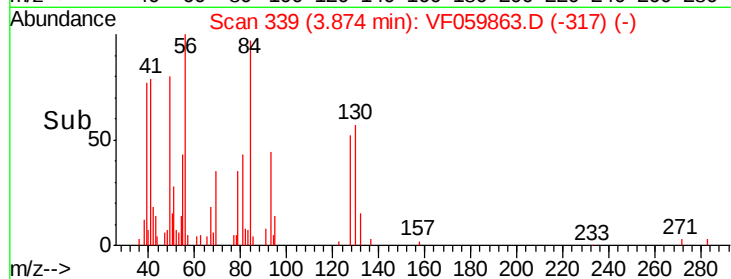
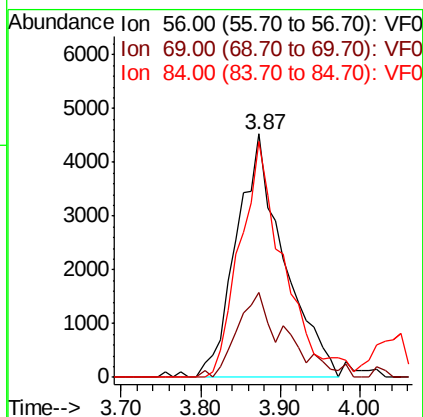
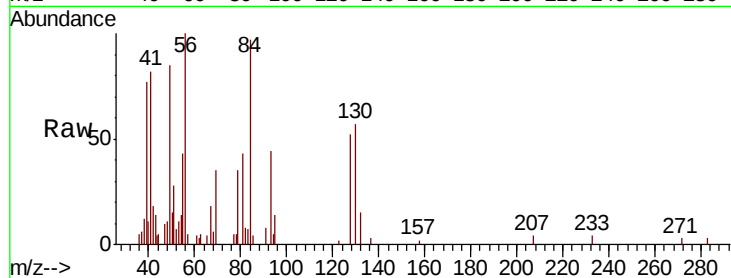




#31
Cyclohexane
Concen: 9.919 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

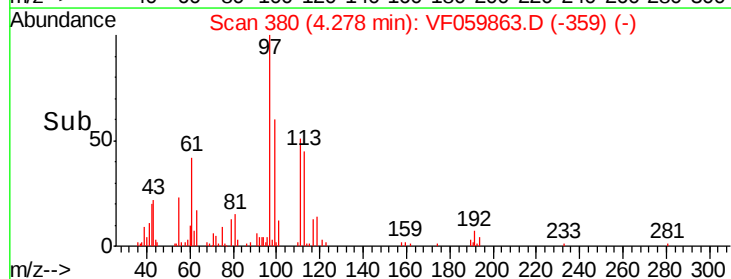
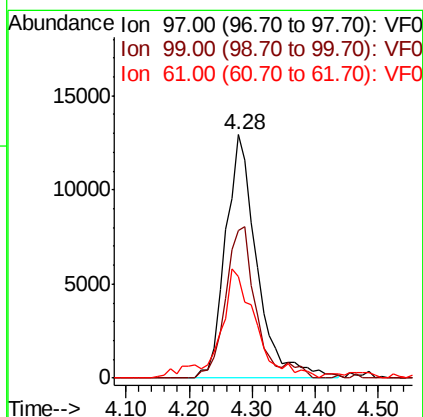
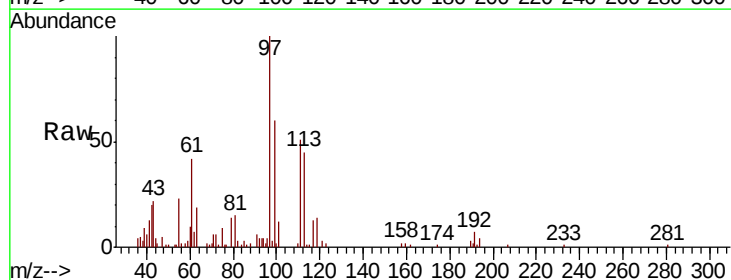
Instrument :
MSVOA_F
ClientSampleId :

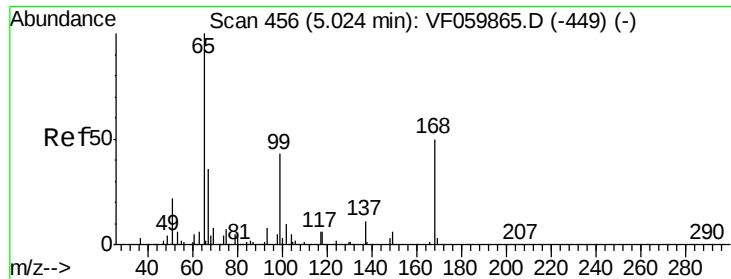
Tot Ion: 56 Resp: 18610
Ion Ratio Lower Upper
56 100
69 34.6 26.7 40.1
84 96.7 65.9 98.9



#32
1,1,1-Trichloroethane
Concen: 11.797 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion: 97 Resp: 44634
Ion Ratio Lower Upper
97 100
99 62.8 51.4 77.2
61 41.6 40.8 61.2

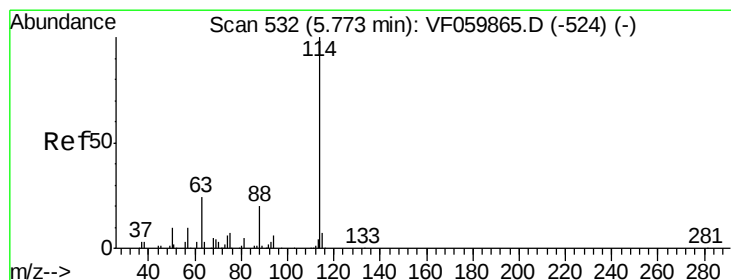
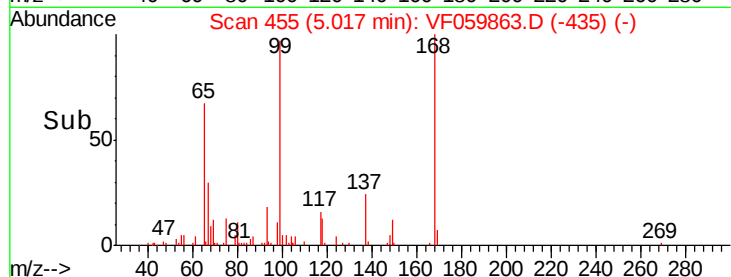
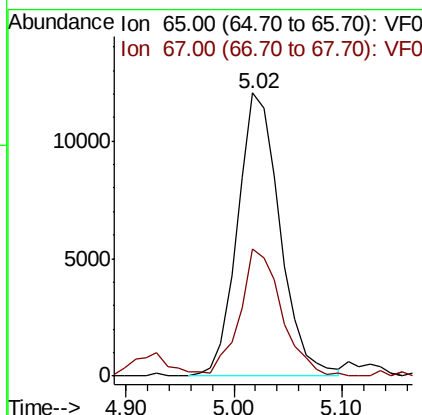
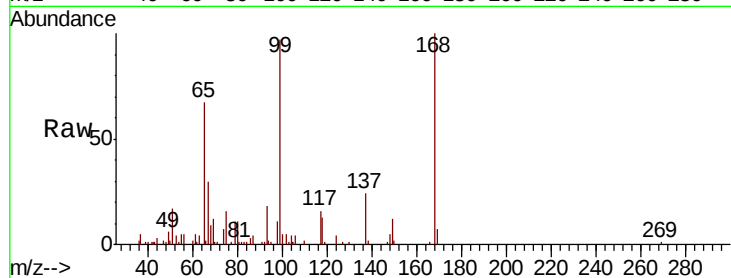




#33
 1,2-Dichloroethane-d4
 Concen: 9.877 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

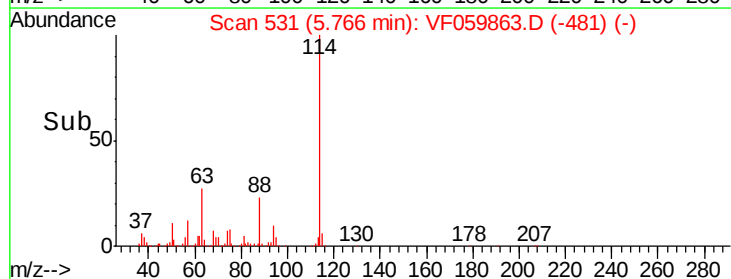
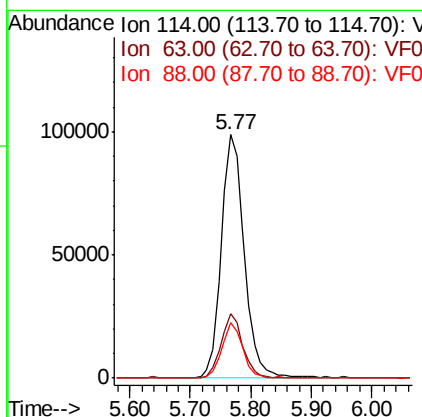
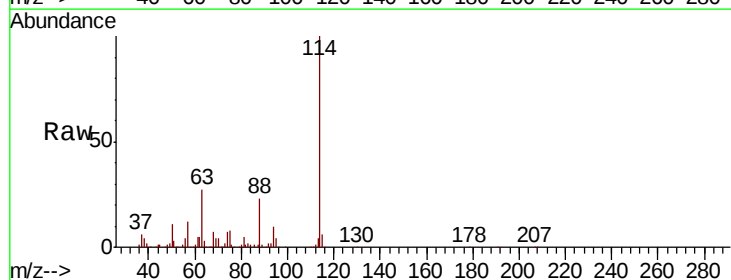
Instrument :
 MSVOA_F
 ClientSampleId :

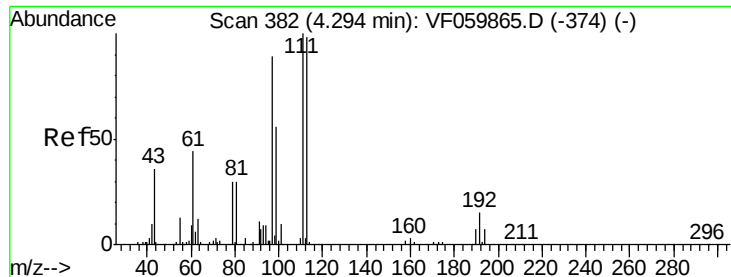
Tot Ion: 65 Resp: 32986
 Ion Ratio Lower Upper
 65 100
 67 44.7 0.0 77.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Tgt Ion: 114 Resp: 261750
 Ion Ratio Lower Upper
 114 100
 63 26.6 0.0 48.0
 88 23.0 0.0 39.4

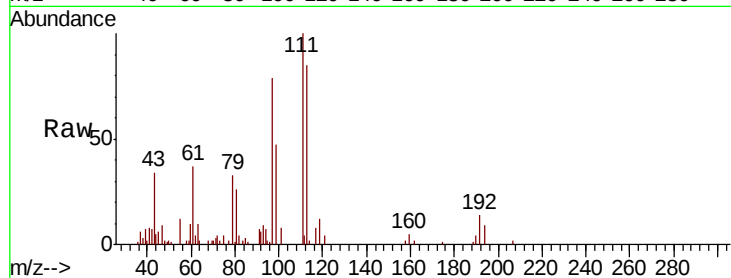




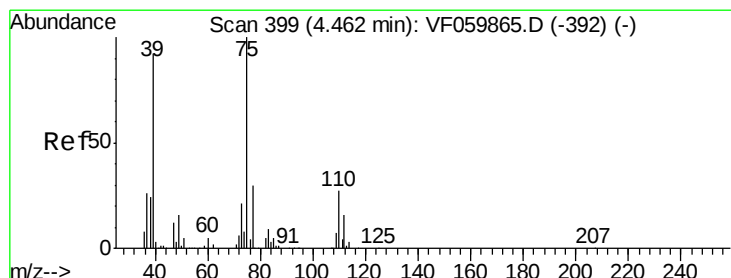
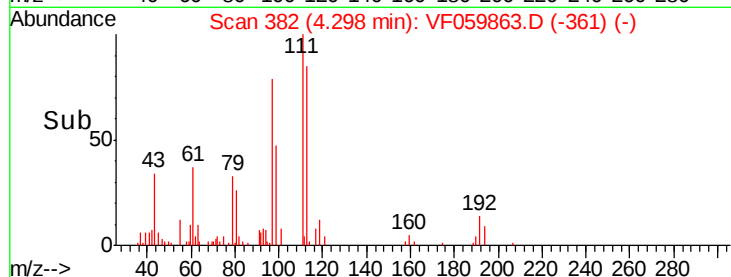
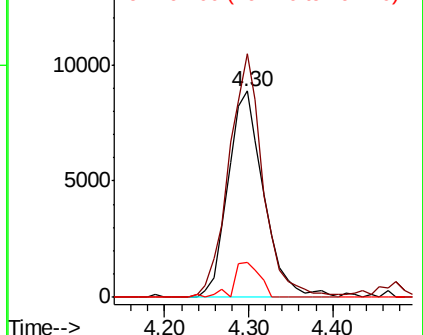
#35
 Dibromofluoromethane
 Concen: 9.555 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:113 Resp: 26161
 Ion Ratio Lower Upper
 113 100
 111 118.2 81.8 122.8
 192 16.8 12.4 18.6

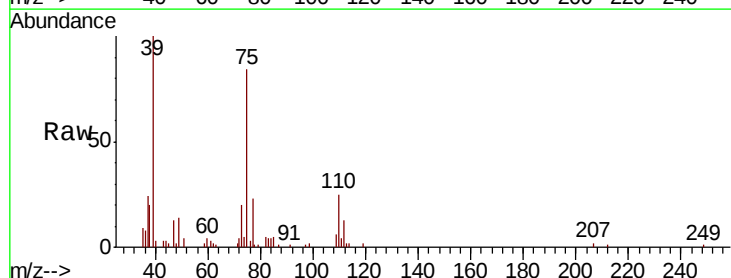


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

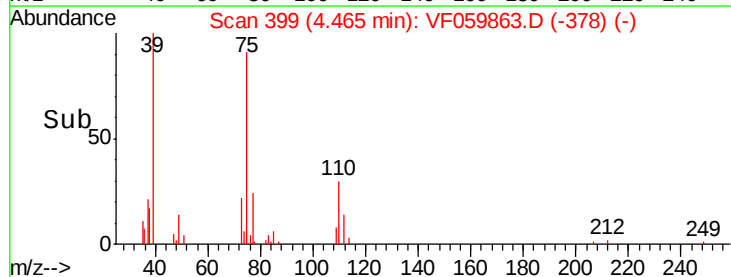
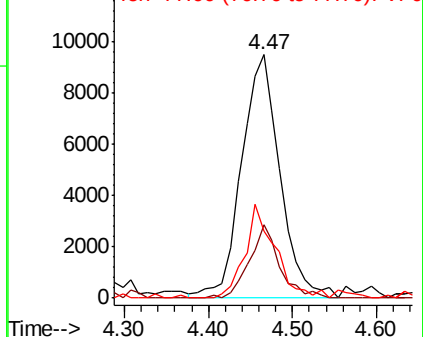


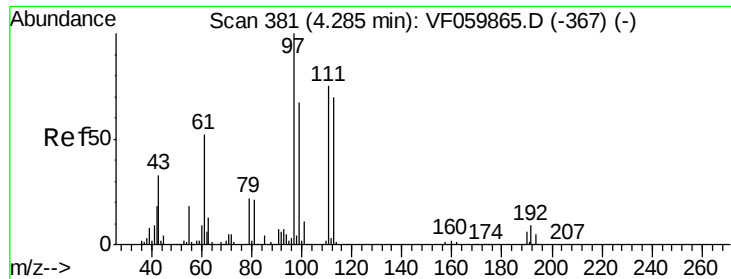
#36
 1,1-Dichloropropene
 Concen: 9.730 ug/l
 RT: 4.47 min Scan# 399
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Tgt Ion: 75 Resp: 30300
 Ion Ratio Lower Upper
 75 100
 110 30.0 13.6 40.7
 77 27.5 23.7 35.5



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

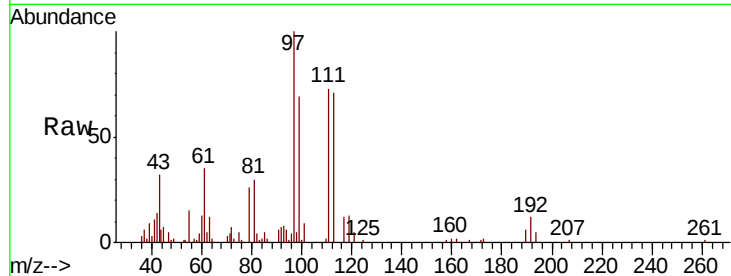




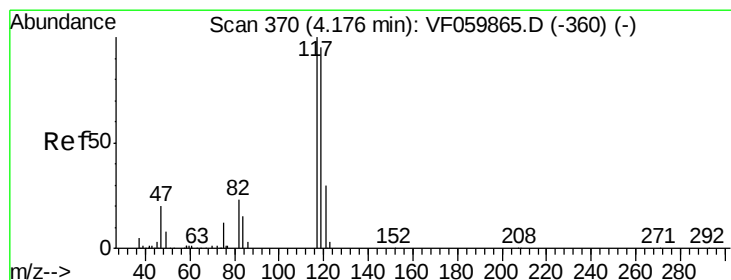
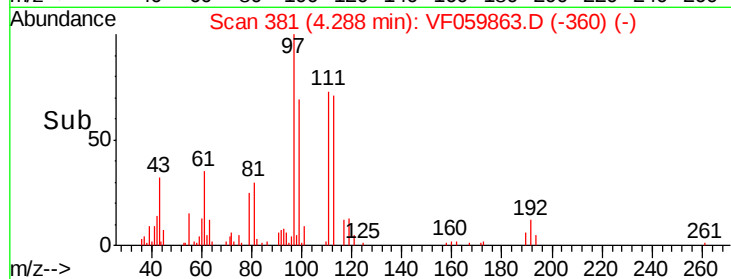
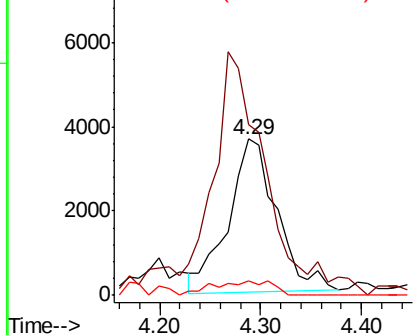
#37
Ethyl Acetate
Concen: 7.952 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 12053
Ion Ratio Lower Upper
43 100
61 109.7 123.7 185.5#
70 9.5 7.8 11.8

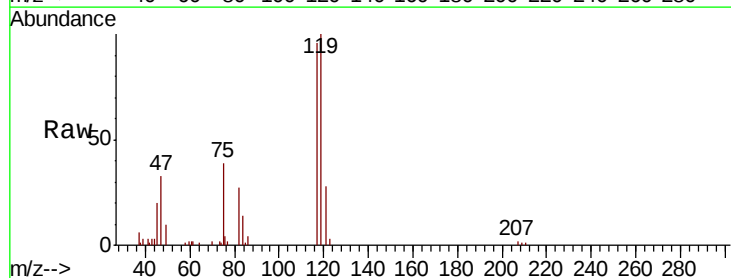


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

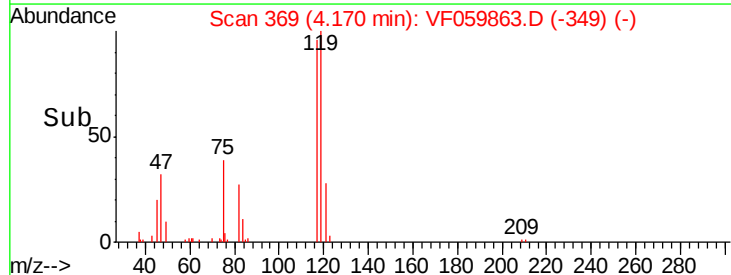
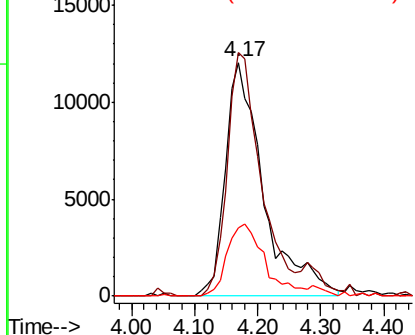


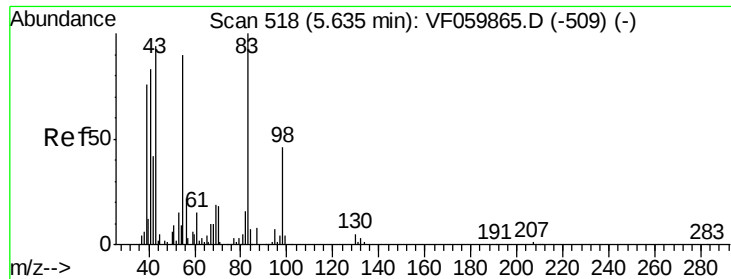
#38
Carbon Tetrachloride
Concen: 11.910 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion: 117 Resp: 50865
Ion Ratio Lower Upper
117 100
119 104.3 76.5 114.7
121 29.0 23.8 35.8



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

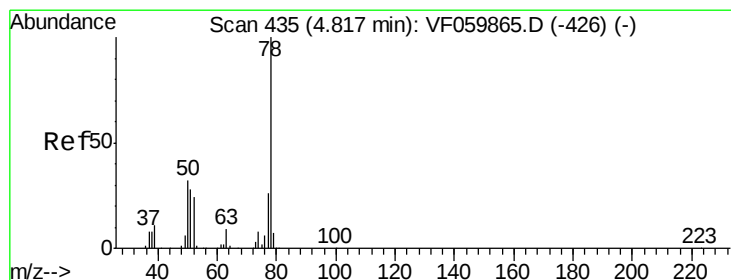
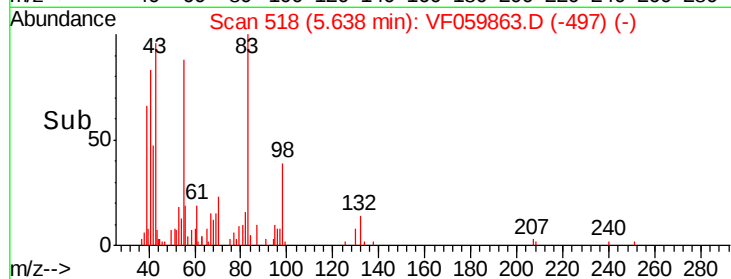
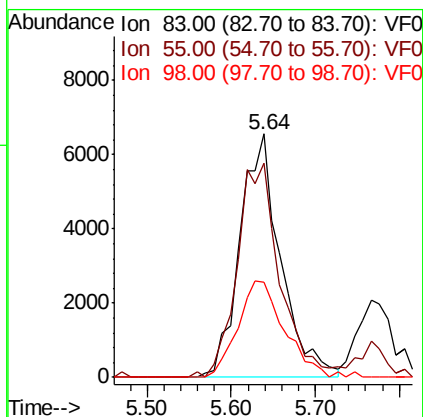
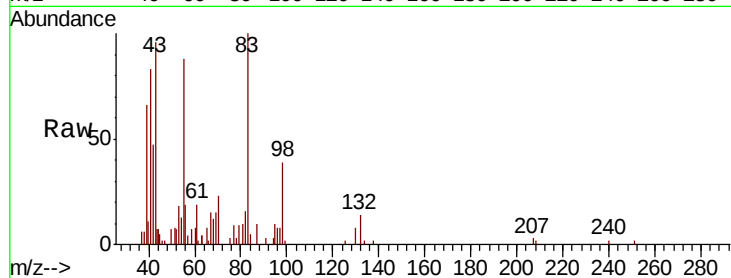




#39
Methvlcvclohexane
Concen: 9.435 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

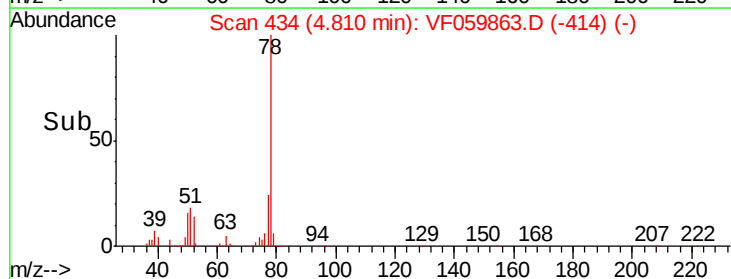
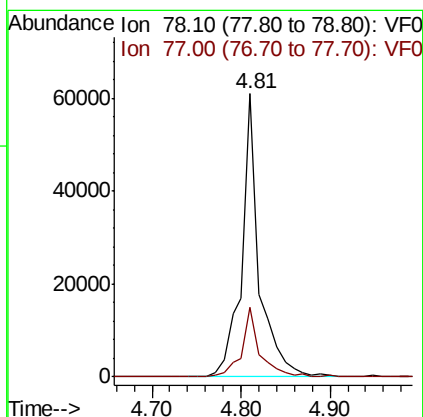
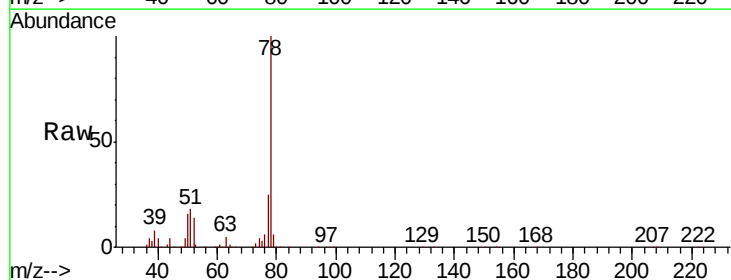
Instrument :
MSVOA_F
ClientSampleId :

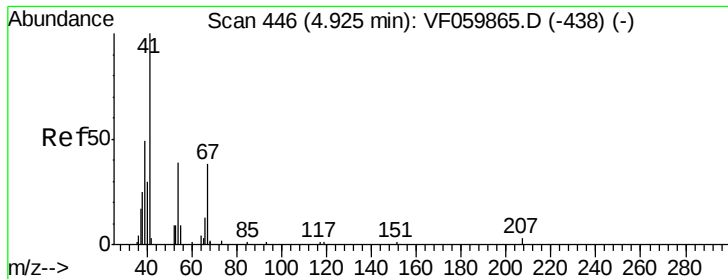
Tot Ion: 83 Resp: 22169
Ion Ratio Lower Upper
83 100
55 87.7 72.0 108.0
98 39.3 36.6 54.8



#40
Benzene
Concen: 15.314 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion: 78 Resp: 82760
Ion Ratio Lower Upper
78 100
77 24.7 20.7 31.1

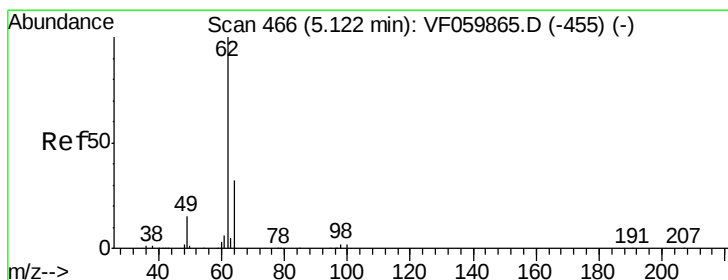
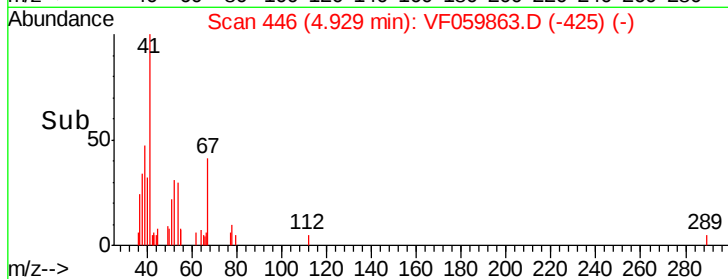
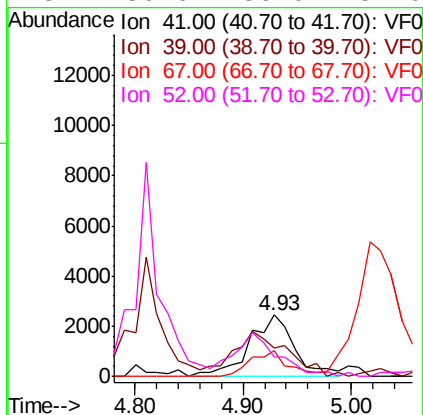
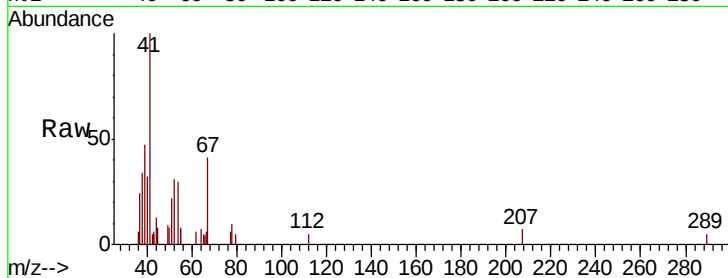




#41
Methacrylonitrile
Concen: 9.348 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

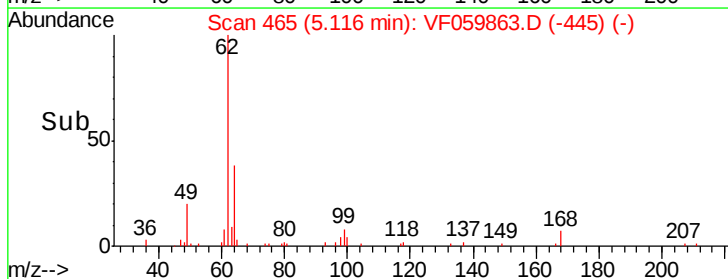
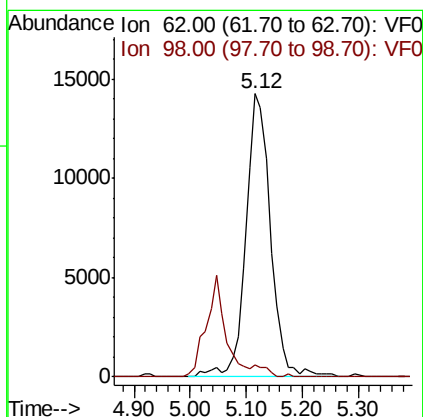
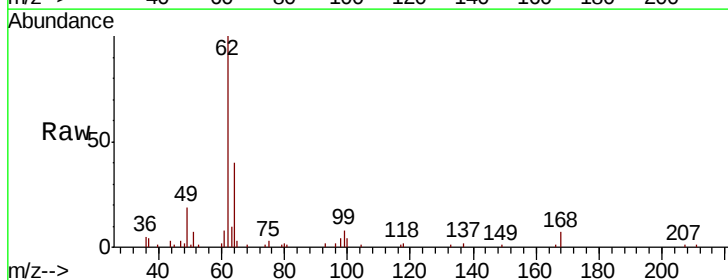
Instrument :
MSVOA_F
ClientSampleId :

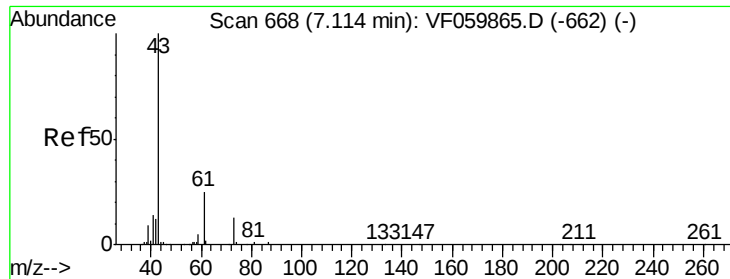
Tot Ion:	41	Resp:	6961
Ion	Ratio	Lower	Upper
41	100		
39	46.5	55.1	82.7#
67	41.0	30.3	45.5
52	30.6	36.0	54.0#



#42
1,2-Dichloroethane
Concen: 11.231 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion:	62	Resp:	43346
Ion	Ratio	Lower	Upper
62	100		
98	4.3	0.0	7.6



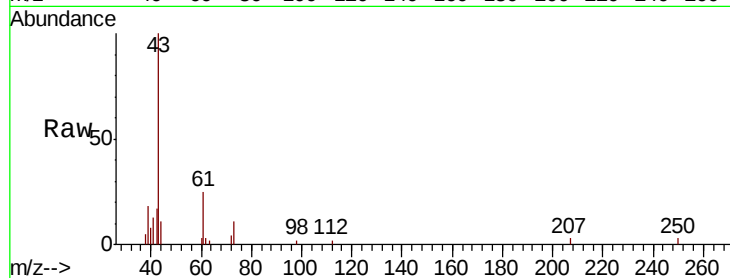


#43

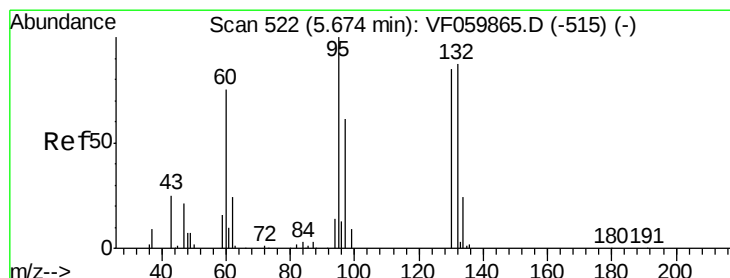
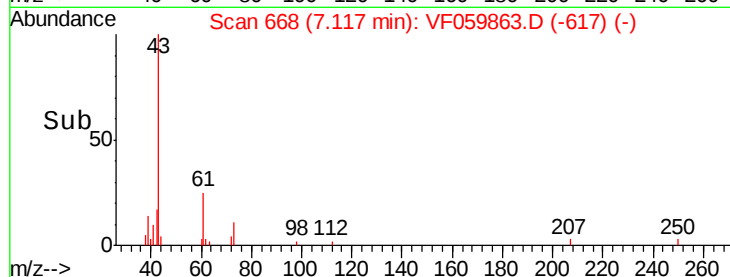
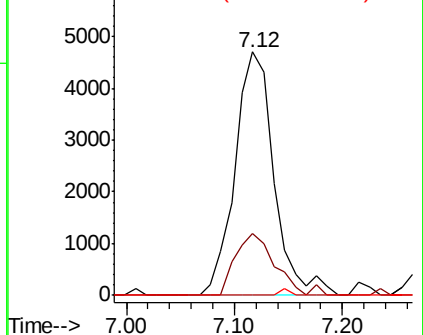
Isopropyl Acetate
 Concen: 7.599 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 11803
 Ion Ratio Lower Upper
 43 100
 61 25.3 20.3 30.5
 87 0.0 0.7 1.1#



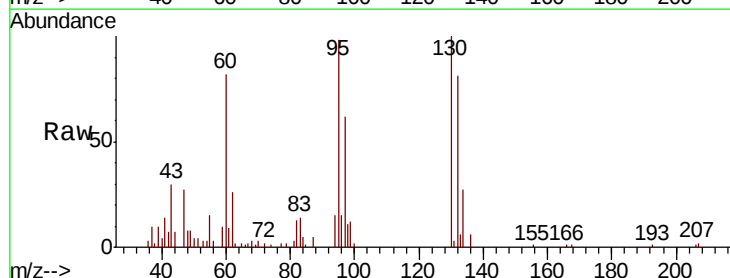
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



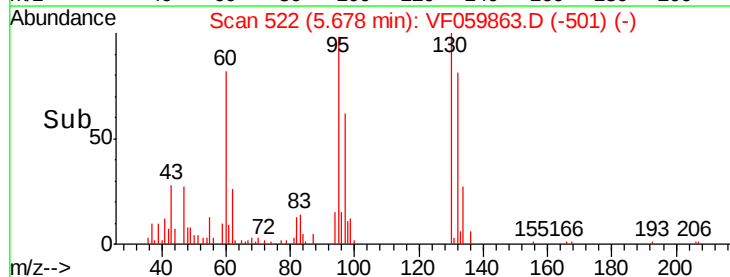
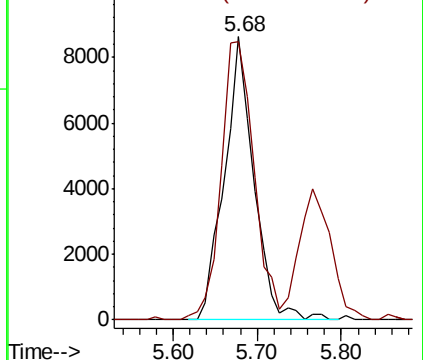
#44

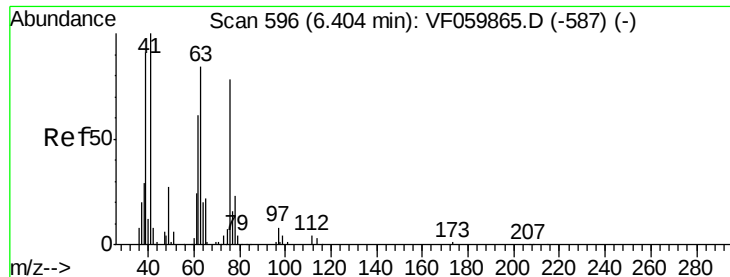
Trichloroethene
 Concen: 9.984 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Tgt Ion: 130 Resp: 20921
 Ion Ratio Lower Upper
 130 100
 95 98.2 0.0 236.8



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 9.595 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

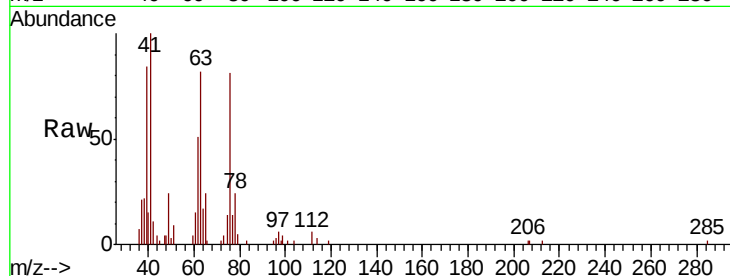
ClientSampleId :

Tot Ion: 63 Resp: 13623

Ion Ratio Lower Upper

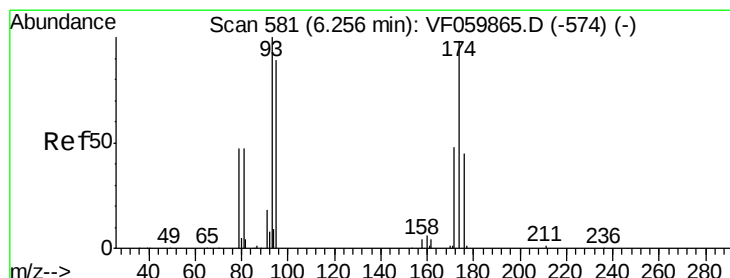
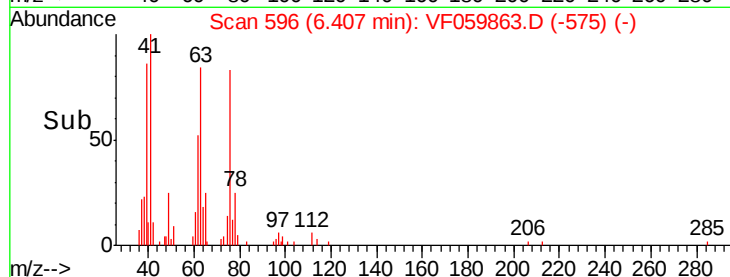
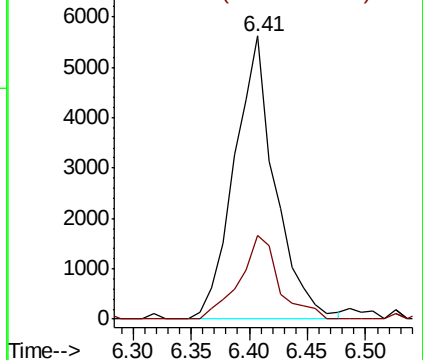
63 100

65 29.3 20.4 30.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 11.168 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

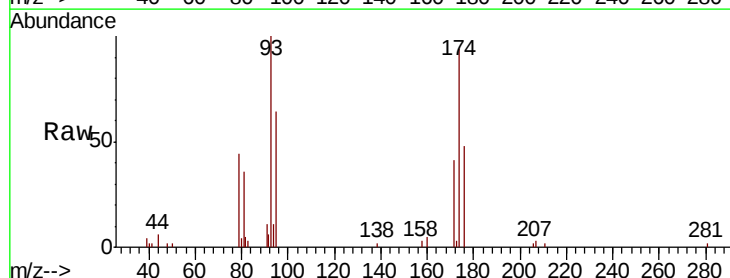
Tgt Ion: 93 Resp: 15099

Ion Ratio Lower Upper

93 100

95 64.0 71.4 107.2#

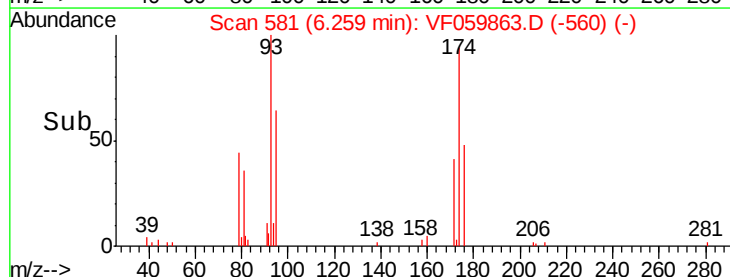
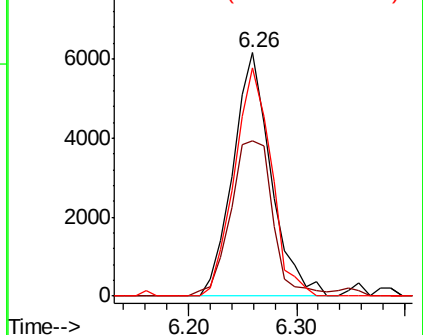
174 93.6 78.1 117.1

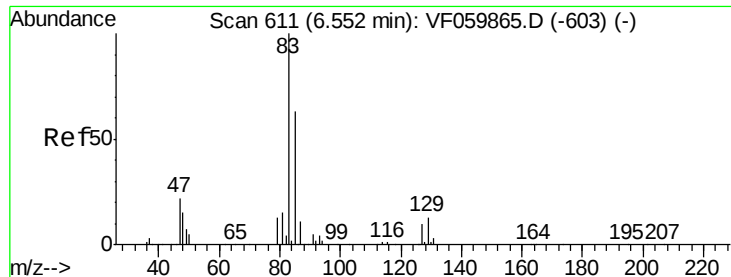


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 10.502 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :

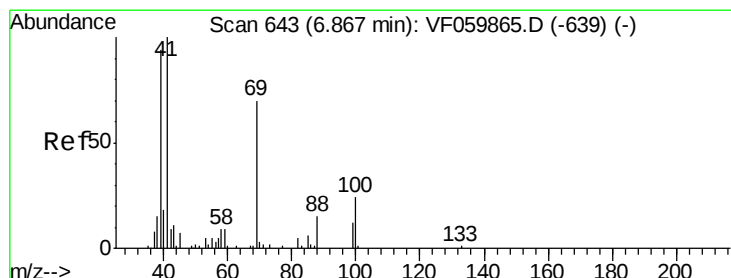
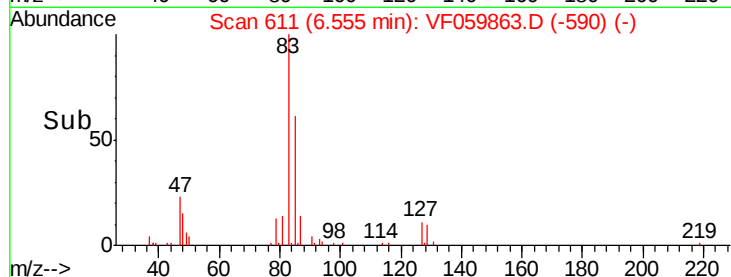
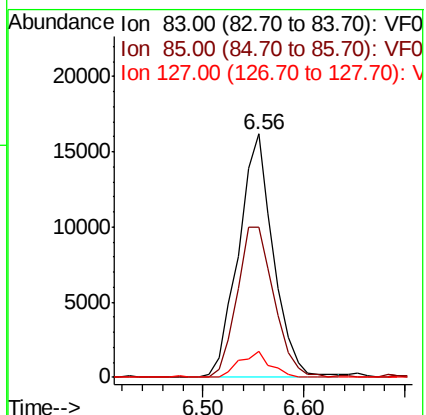
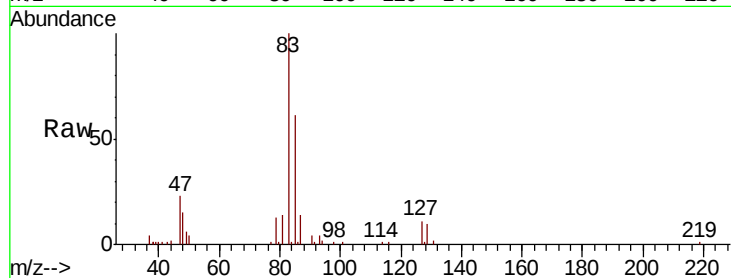
Tot Ion: 83 Resp: 38927

Ion Ratio Lower Upper

83 100

85 61.4 50.7 76.1

127 10.6 8.0 12.0



#49

1,4-Dioxane

Concen: 125.115 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

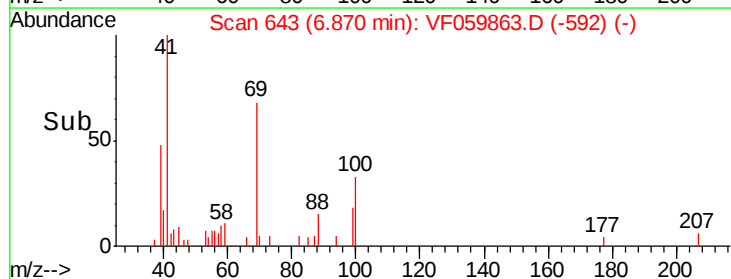
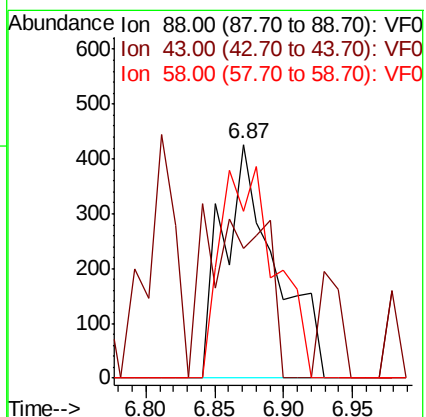
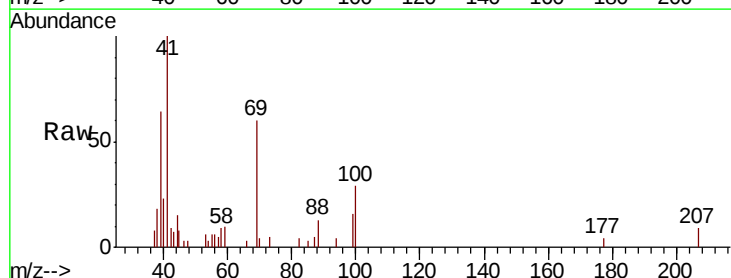
Tgt Ion: 88 Resp: 1134

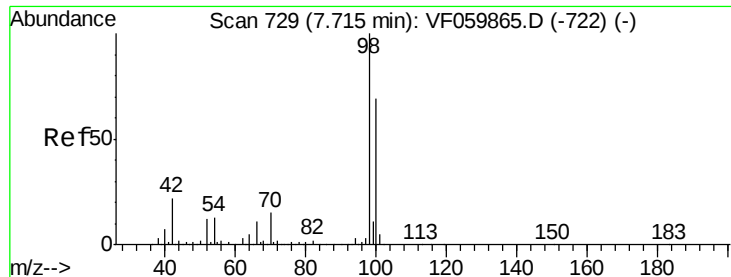
Ion Ratio Lower Upper

88 100

43 55.9 58.3 87.5#

58 71.6 49.4 74.2





#50

Toluene-d8

Concen: 8.335 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

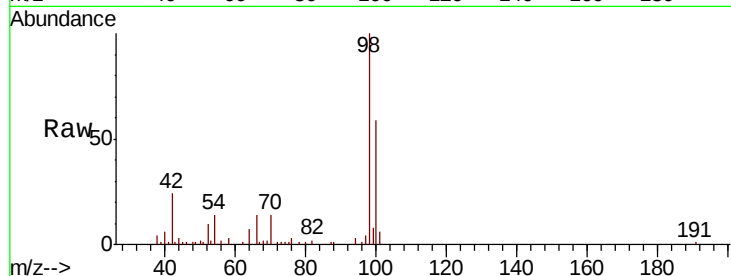
ClientSampled :

Tot Ion: 98 Resp: 52744

Ion Ratio Lower Upper

98 100

100 59.0 55.0 82.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.71

25000

20000

15000

10000

5000

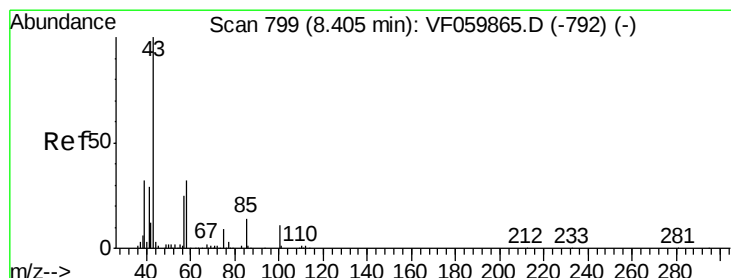
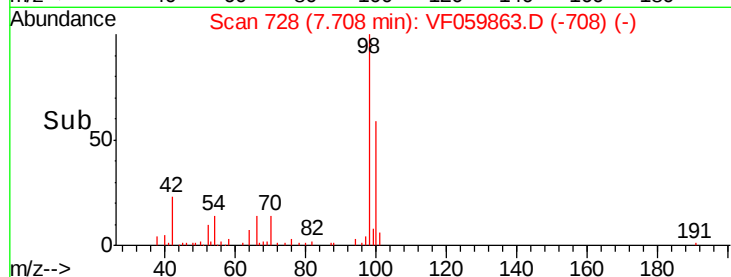
0

7.60

7.70

7.80

Time-->



#51

4-Methyl-2-Pentanone

Concen: 56.561 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059863.D

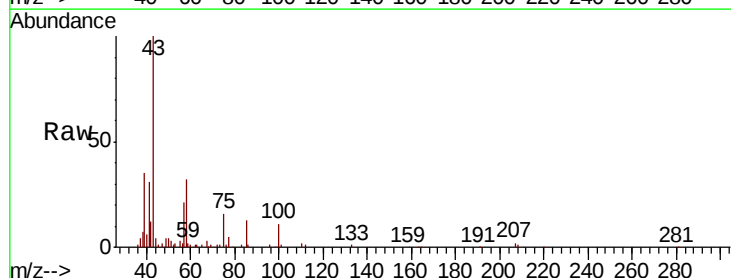
Acq: 4 Aug 2018 3:49

Tgt Ion: 43 Resp: 69864

Ion Ratio Lower Upper

43 100

58 31.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

30000

20000

10000

0

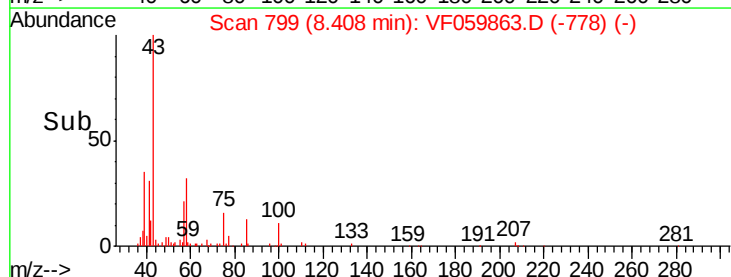
8.30

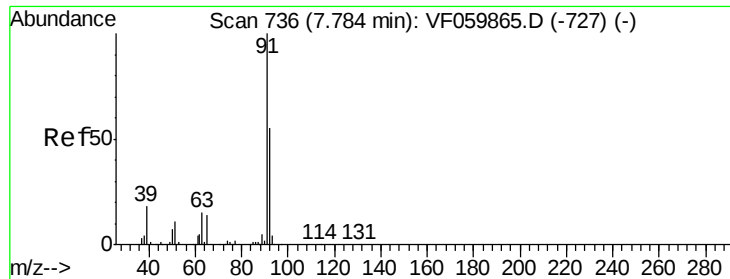
8.40

8.50

8.60

Time-->





#52

Toluene

Concen: 9.600 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

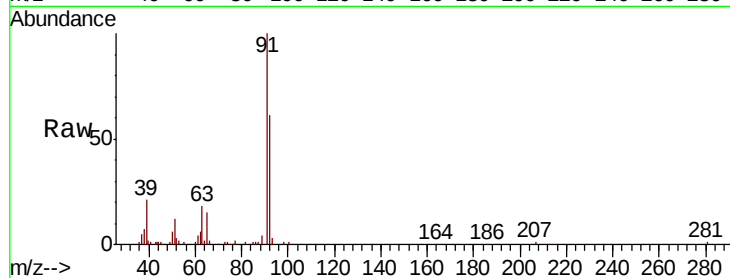
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 92 Resp: 38504

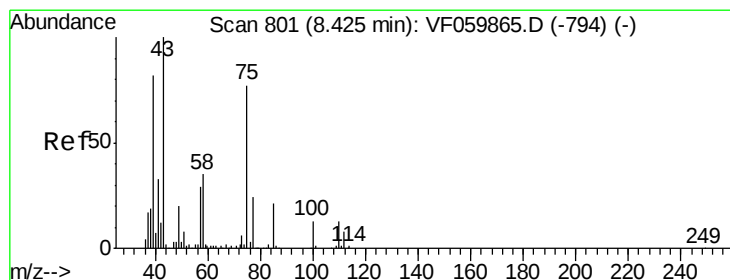
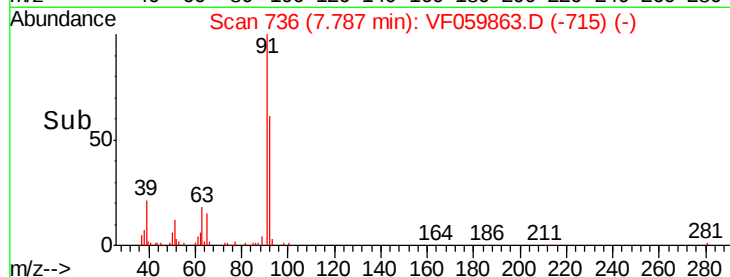
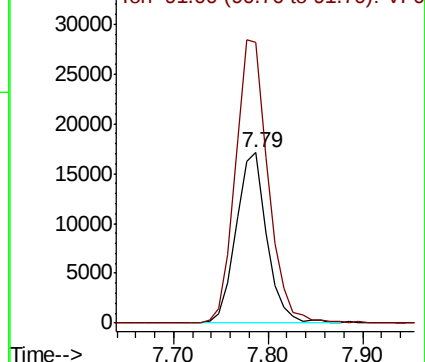
Ion Ratio Lower Upper

92 100

91 165.1 145.7 218.5



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



#53

t-1,3-Dichloropropene

Concen: 9.568 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059863.D

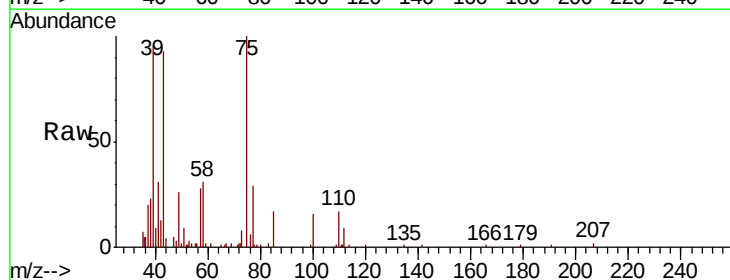
Acq: 4 Aug 2018 3:49

Tgt Ion: 75 Resp: 30143

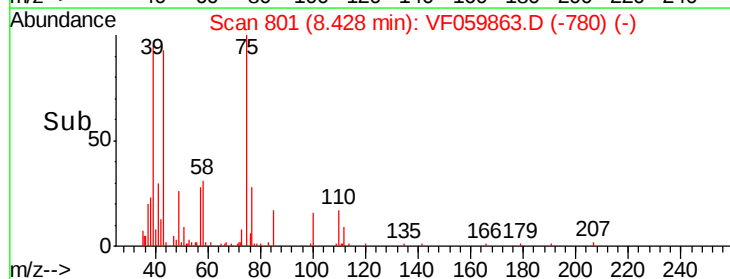
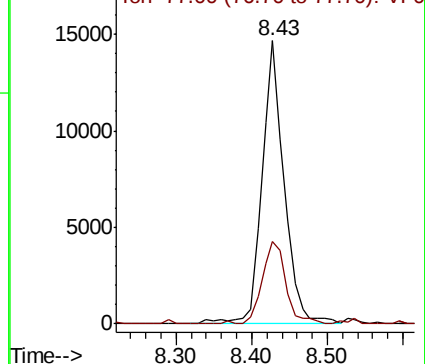
Ion Ratio Lower Upper

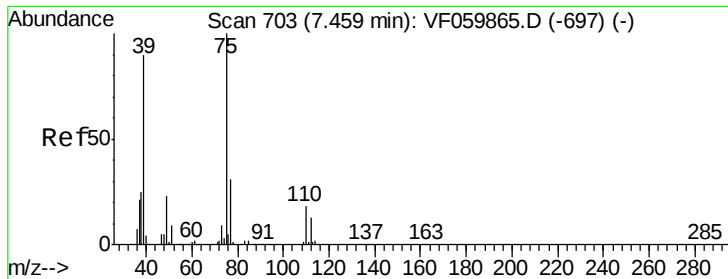
75 100

77 29.1 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#54

cis-1,3-Dichloropropene

Concen: 8.951 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

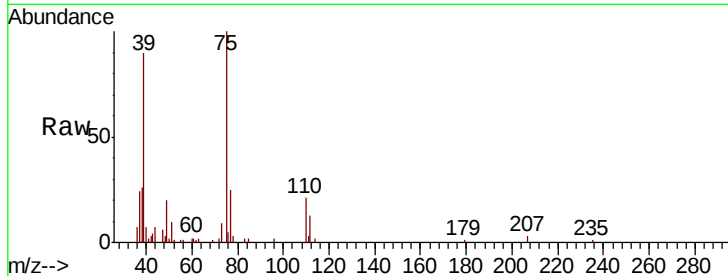
Tot Ion: 75 Resp: 27611

Ion Ratio Lower Upper

75 100

77 25.2 24.7 37.1

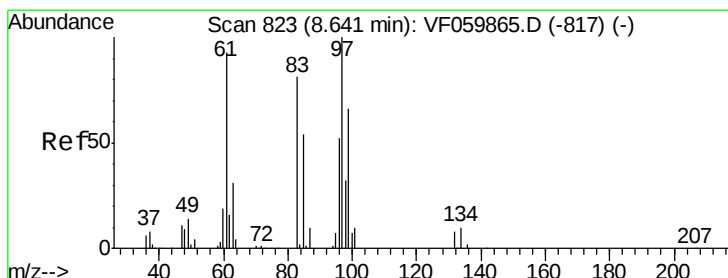
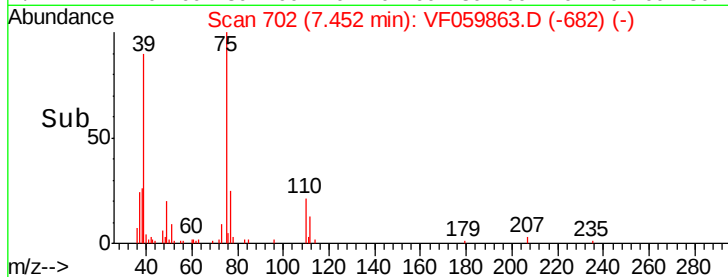
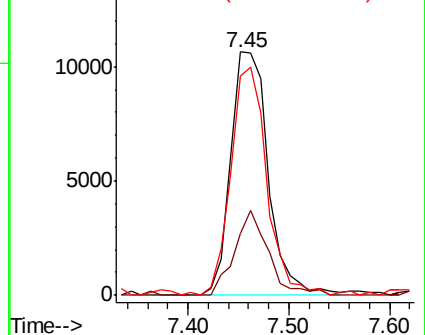
39 89.9 72.0 108.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#55

1,1,2-Trichloroethane

Concen: 9.807 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Tgt Ion: 97 Resp: 14092

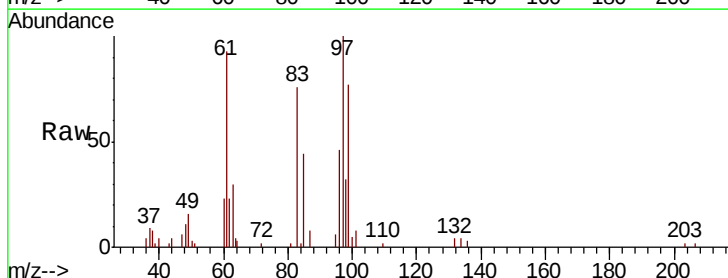
Ion Ratio Lower Upper

97 100

83 76.1 64.4 96.6

85 43.8 43.1 64.7

99 77.3 52.7 79.1

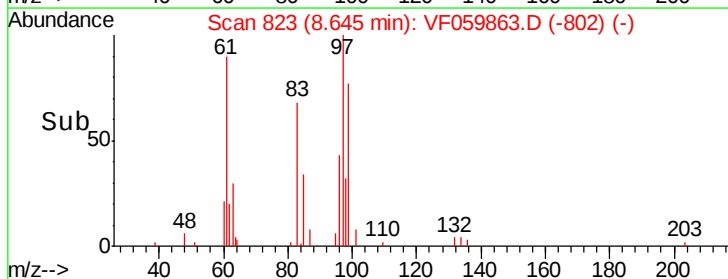
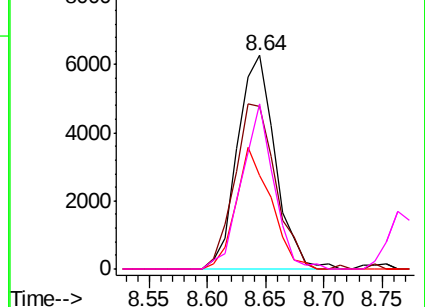


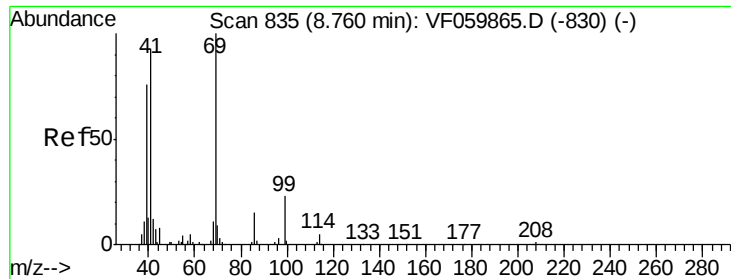
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

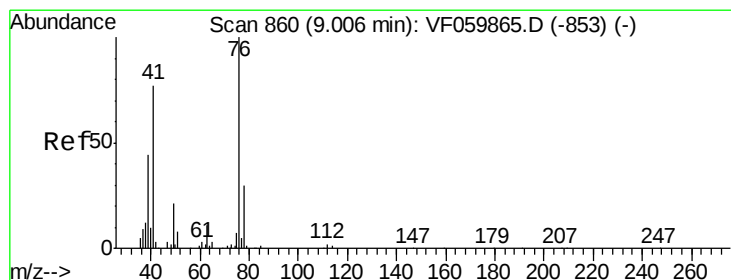
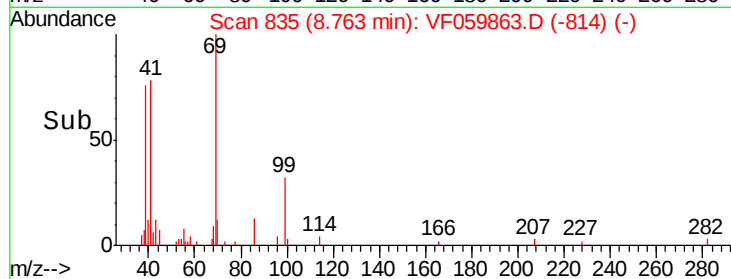
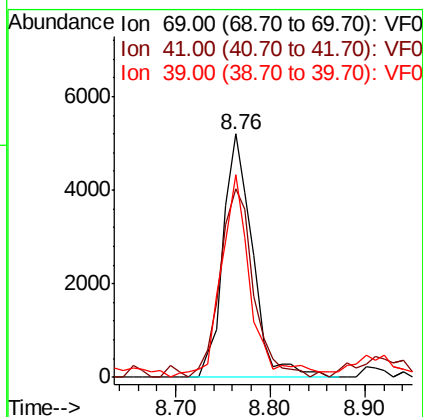
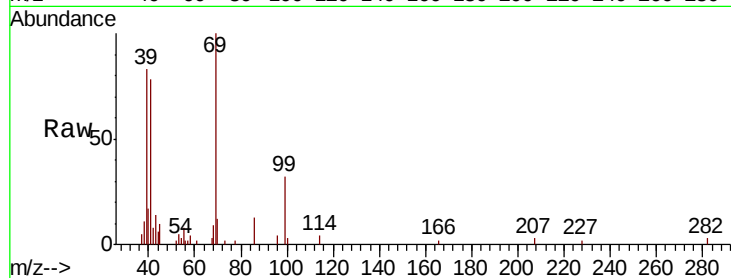




#56
Ethyl methacrylate
Concen: 7.525 ug/l
RT: 8.76 min Scan# 835
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

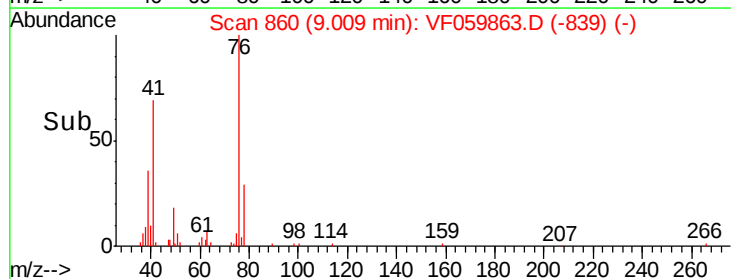
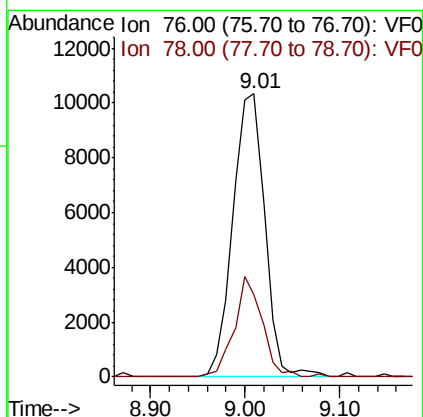
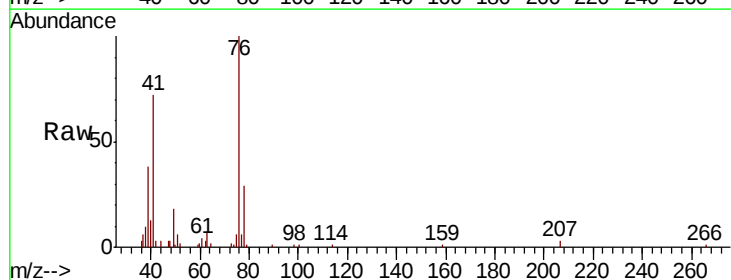
Instrument :
MSVOA_F
ClientSampleId :

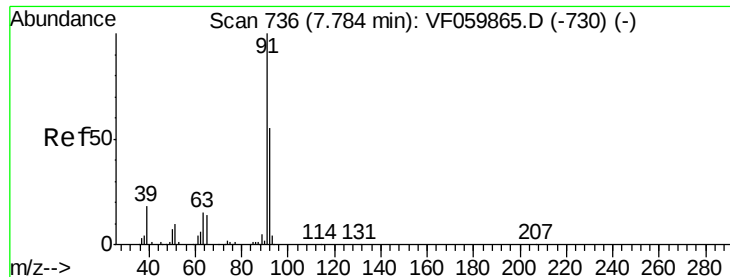
Tot Ion	69	Resp	11187
Ion Ratio	Lower	Upper	
69	100		
41	77.6	74.7	112.1
39	83.5	61.1	91.7



#57
1,3-Dichloropropane
Concen: 9.699 ug/l
RT: 9.01 min Scan# 860
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion	76	Resp	24168
Ion Ratio	Lower	Upper	
76	100		
78	29.3	24.2	36.2

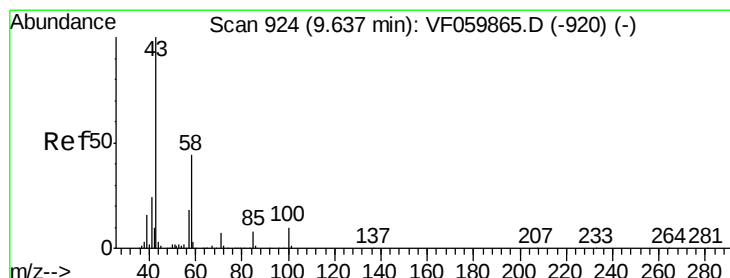
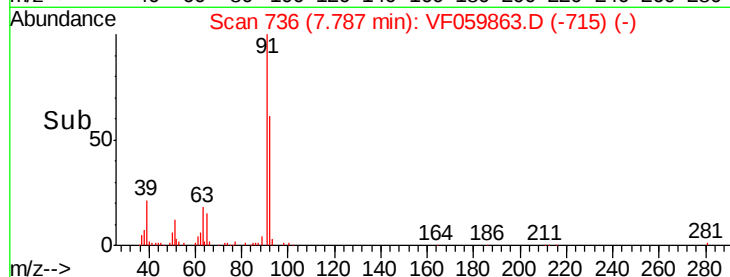
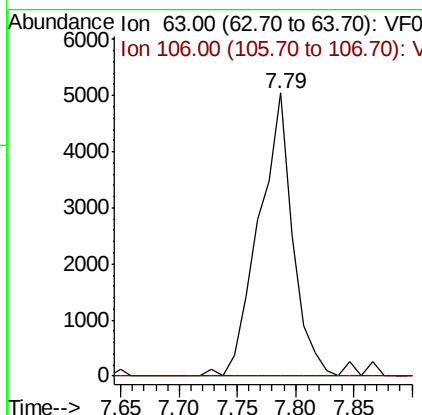
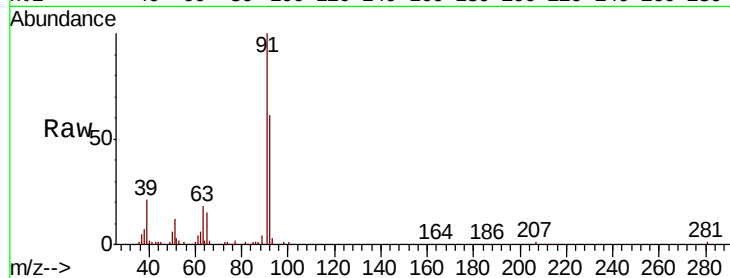




#58
 2-Chloroethyl Vinyl ether
 Concen: 56.073 ug/l
 RT: 7.79 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

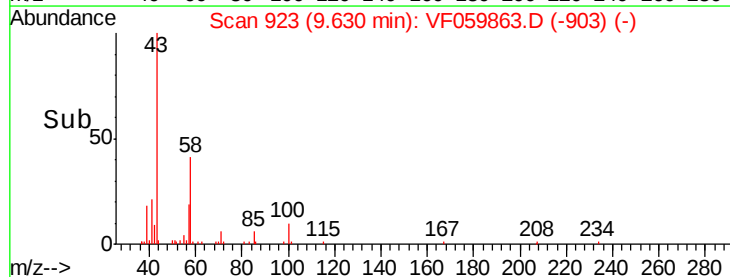
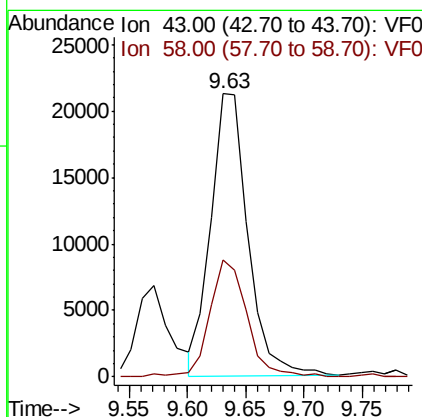
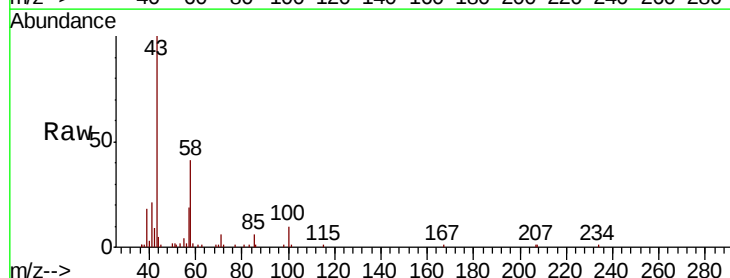
Instrument :
 MSVOA_F
 ClientSampleId :

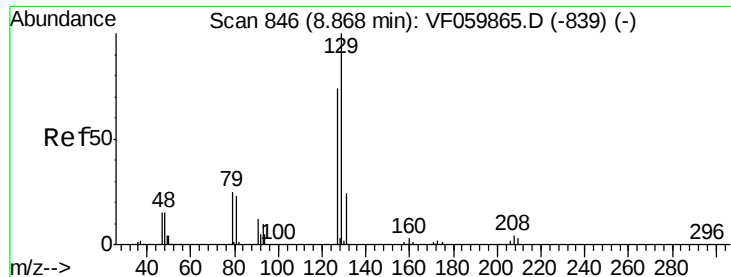
Tot Ion: 63 Resp: 10143
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: 48.125 ug/l
 RT: 9.63 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Tgt Ion: 43 Resp: 46951
 Ion Ratio Lower Upper
 43 100
 58 41.4 20.8 62.2





#60

Dibromochloromethane

Concen: 9.965 ug/l

RT: 8.86 min Scan# 845

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

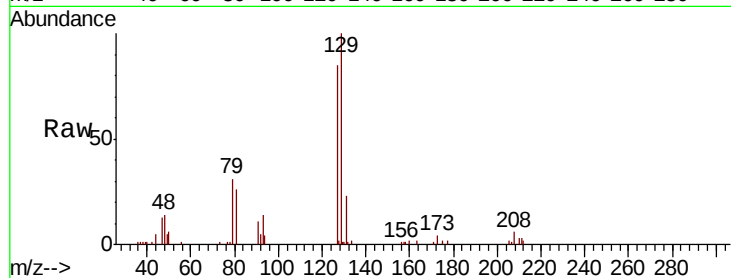
ClientSampleId :

Tot Ion:129 Resp: 25754

Ion Ratio Lower Upper

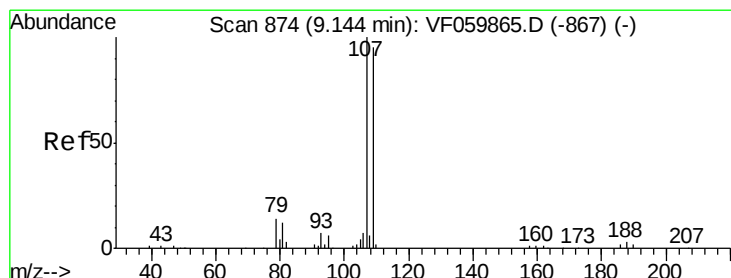
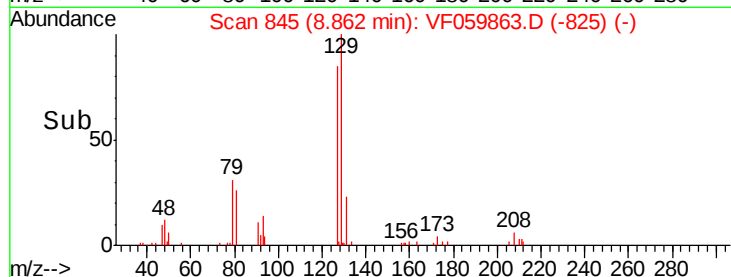
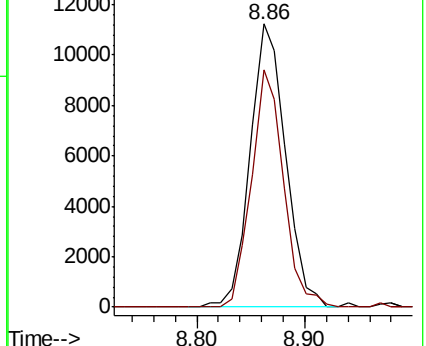
129 100

127 83.7 36.9 110.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#61

1,2-Dibromoethane

Concen: 9.138 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF059863.D

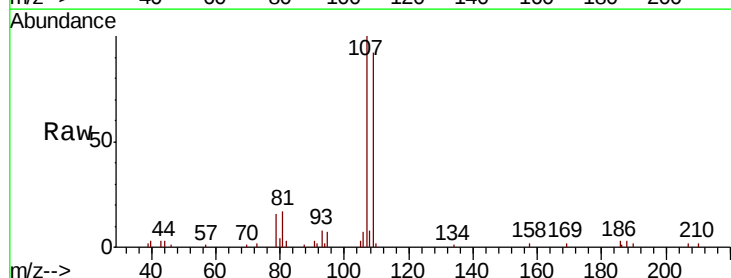
Acq: 4 Aug 2018 3:49

Tgt Ion:107 Resp: 15587

Ion Ratio Lower Upper

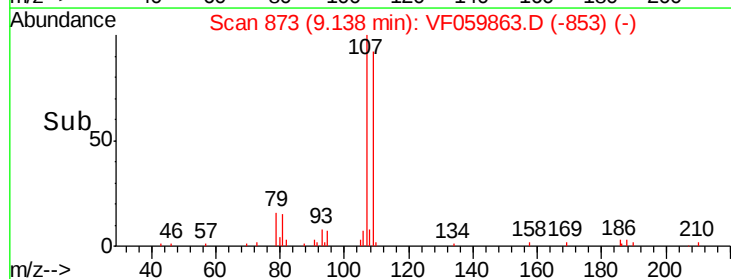
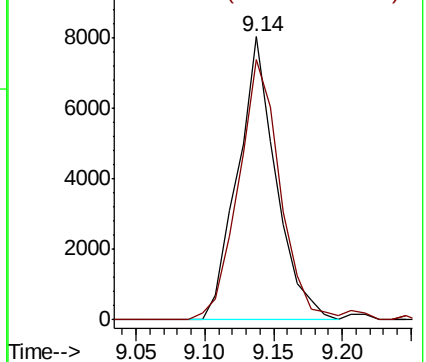
107 100

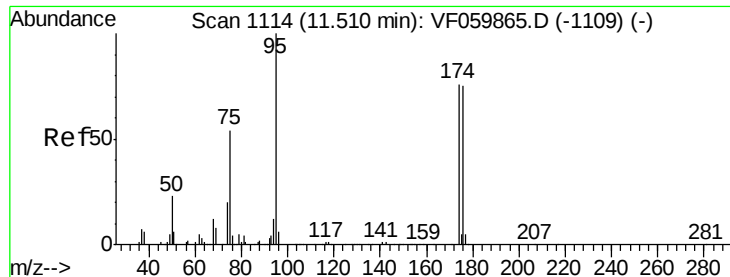
109 91.8 75.8 113.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#62

4-Bromofluorobenzene

Concen: 9.409 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

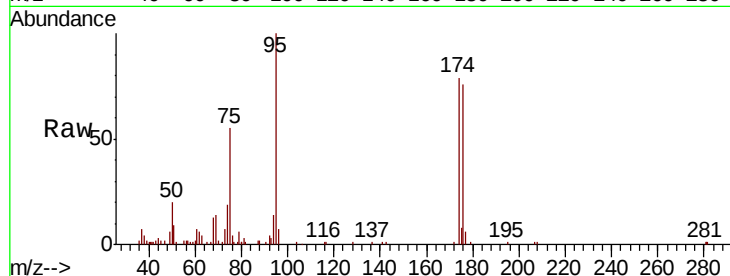
Tot Ion: 95 Resp: 32944

Ion Ratio Lower Upper

95 100

174 78.9 0.0 151.6

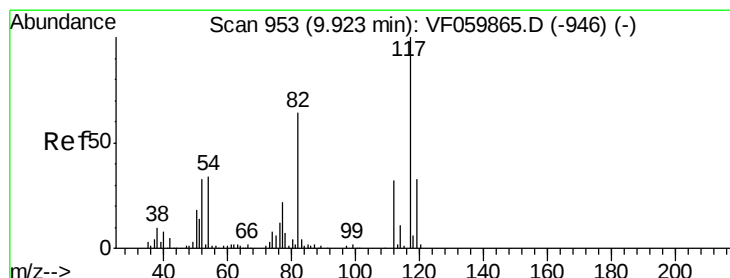
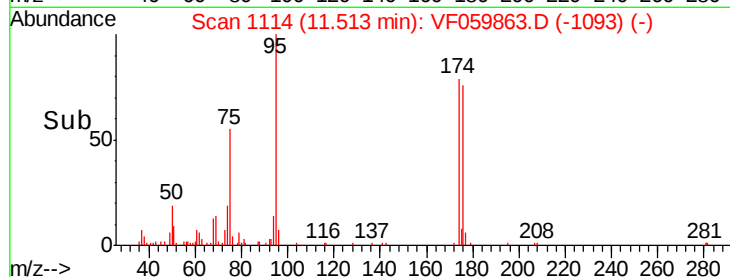
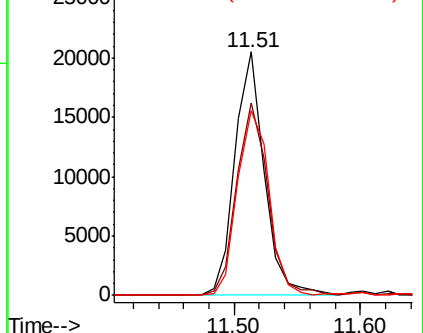
176 75.8 0.0 149.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.93 min Scan# 953

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

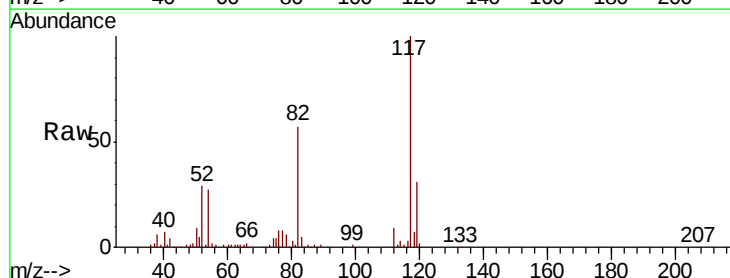
Tgt Ion: 117 Resp: 262222

Ion Ratio Lower Upper

117 100

82 57.5 51.3 76.9

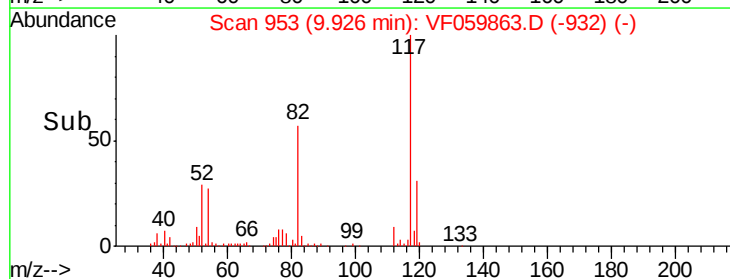
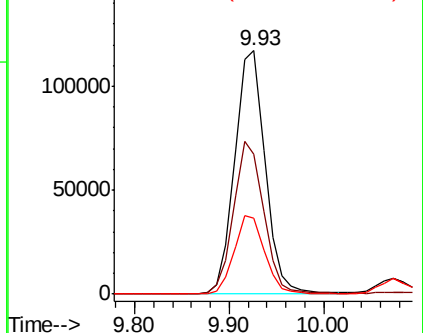
119 31.4 26.4 39.6

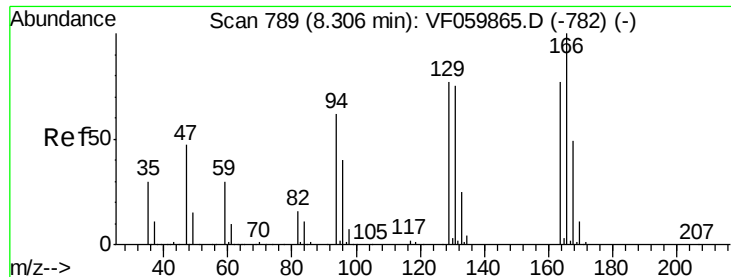


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#64

Tetrachloroethene

Concen: 11.003 ug/l

RT: 8.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:164 Resp: 23529

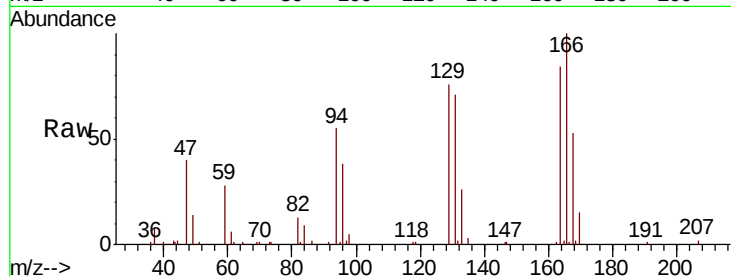
Ion Ratio Lower Upper

164 100

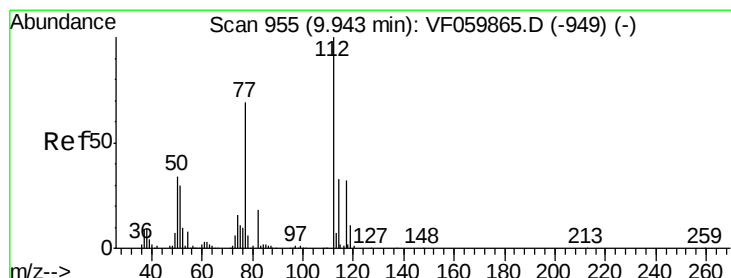
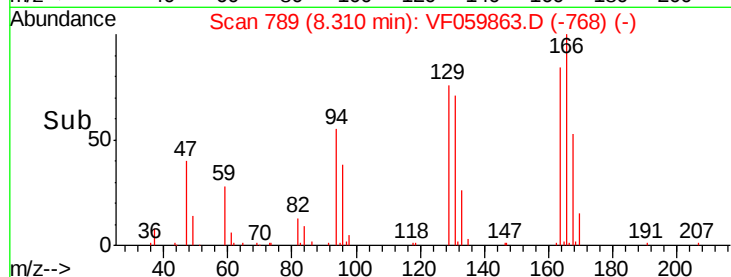
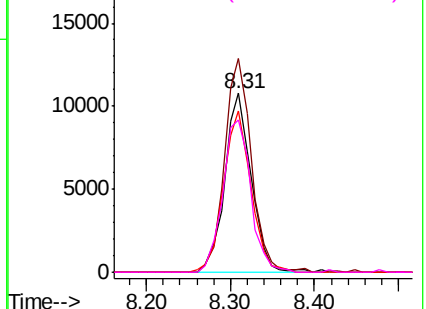
166 119.4 104.4 156.6

129 90.2 80.3 120.5

131 87.0 78.5 117.7



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: 9.857 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF059863.D

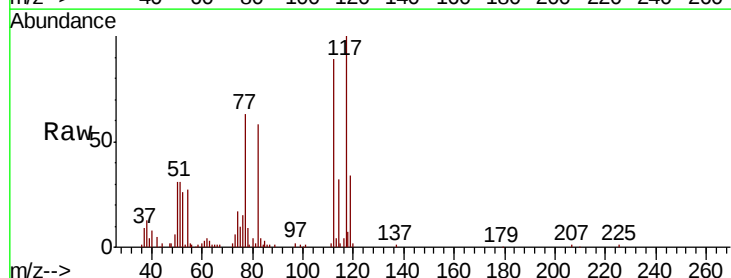
Acq: 4 Aug 2018 3:49

Tgt Ion:112 Resp: 52980

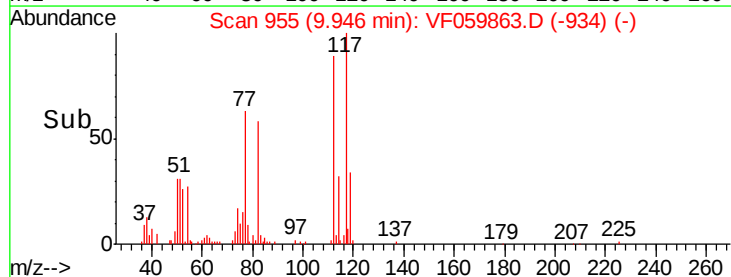
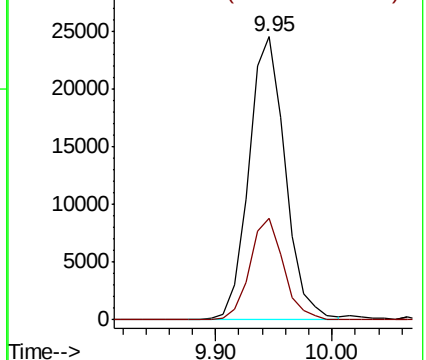
Ion Ratio Lower Upper

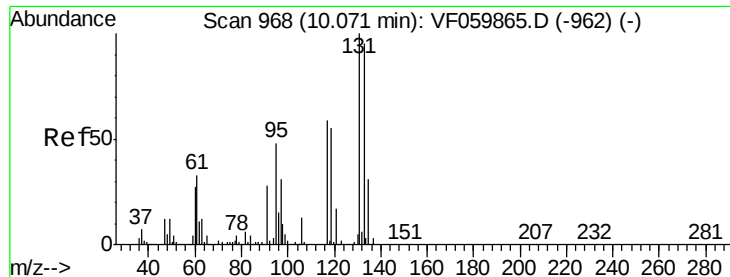
112 100

114 35.9 26.4 39.6



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: 10.576 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

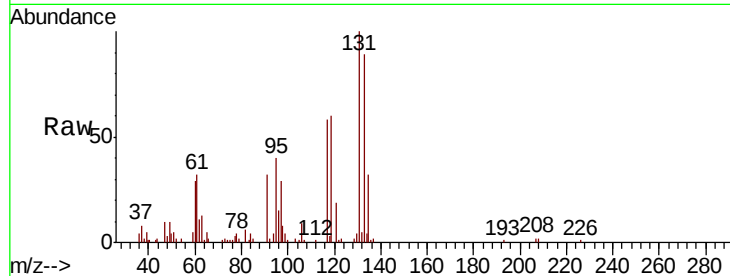
Tot Ion:131 Resp: 26669

Ion Ratio Lower Upper

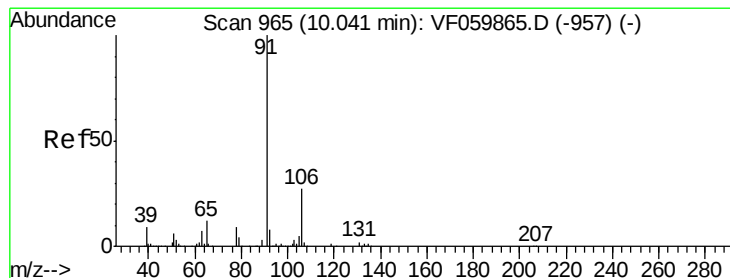
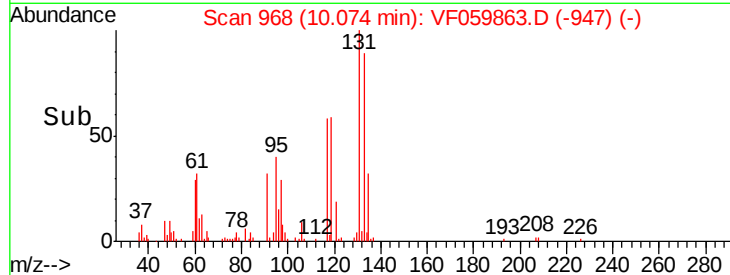
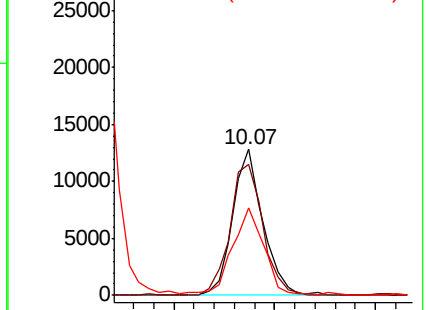
131 100

133 89.5 47.4 142.2

119 60.0 27.7 83.1



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: 9.622 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF059863.D

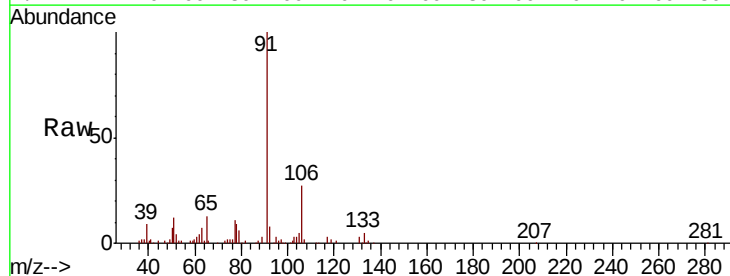
Acq: 4 Aug 2018 3:49

Tgt Ion: 91 Resp: 89746

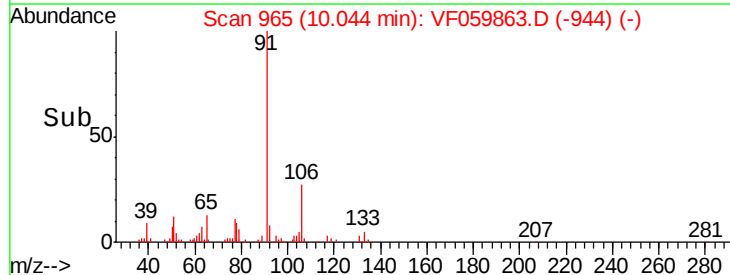
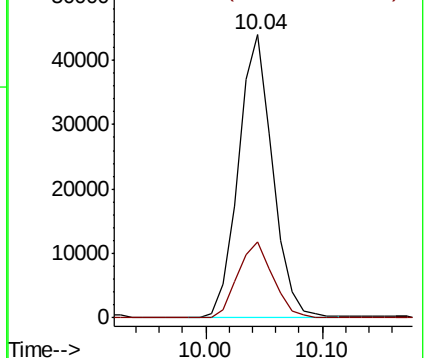
Ion Ratio Lower Upper

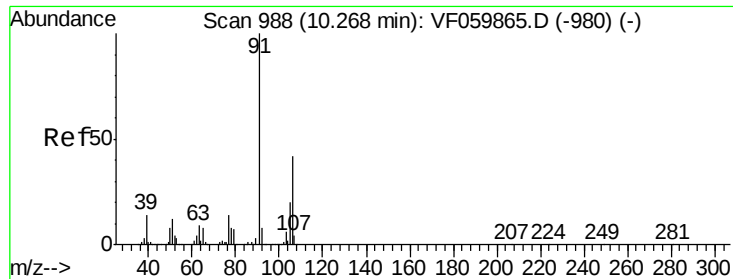
91 100

106 27.0 21.5 32.3



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 106.00 (105.70 to 106.70): V

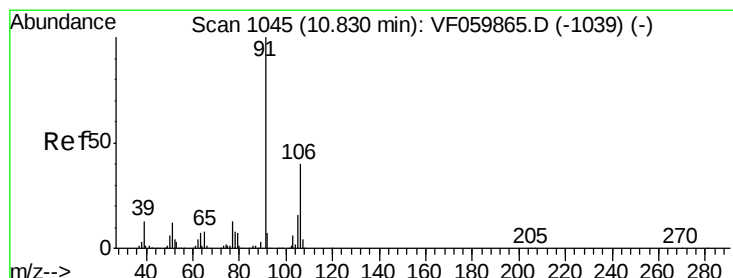
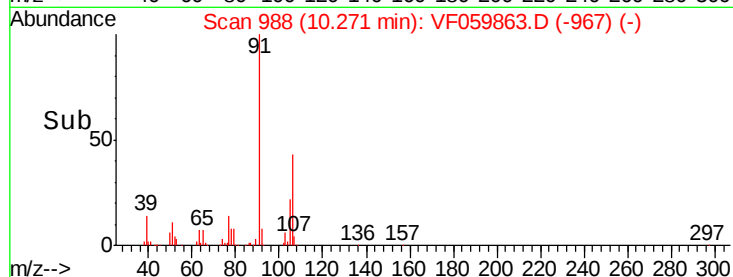
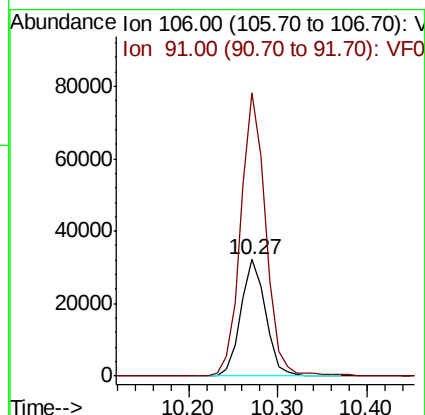
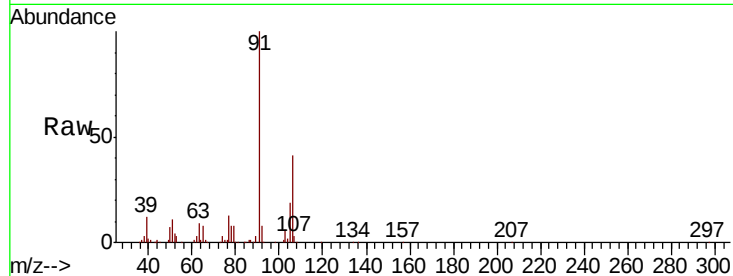




#68
m/p-Xylenes
Concen: 19.214 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

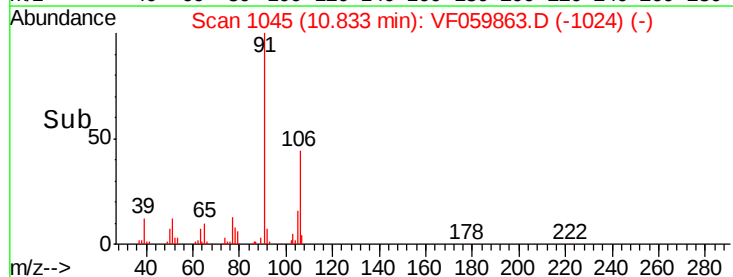
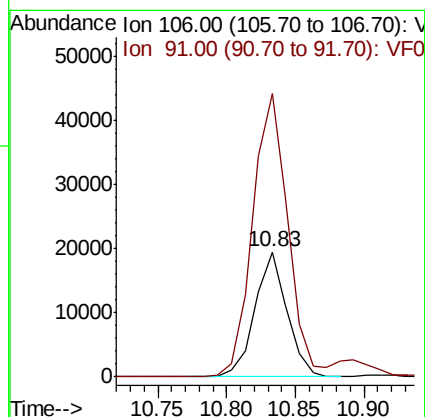
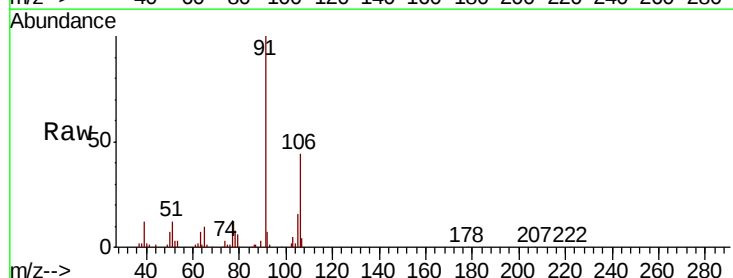
Instrument :
MSVOA_F
ClientSampleId :

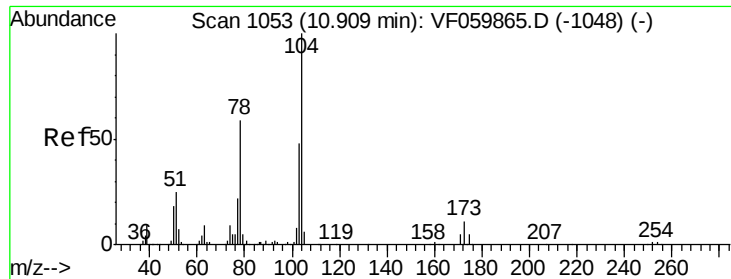
Tot Ion:106 Resp: 62816
Ion Ratio Lower Upper
106 100
91 243.2 192.1 288.1



#69
o-Xylene
Concen: 9.259 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion:106 Resp: 32018
Ion Ratio Lower Upper
106 100
91 226.0 125.4 376.2

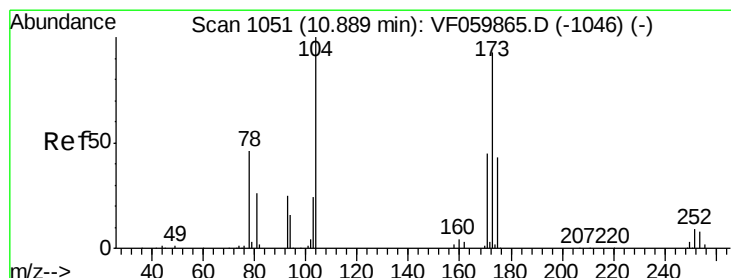
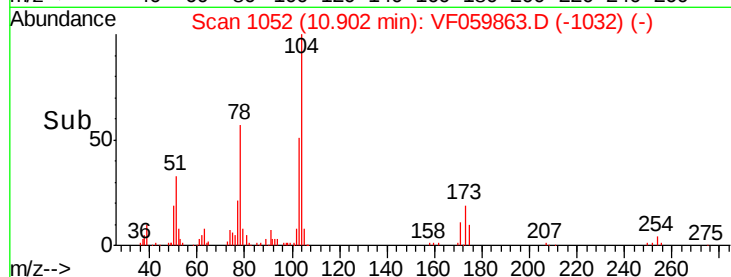
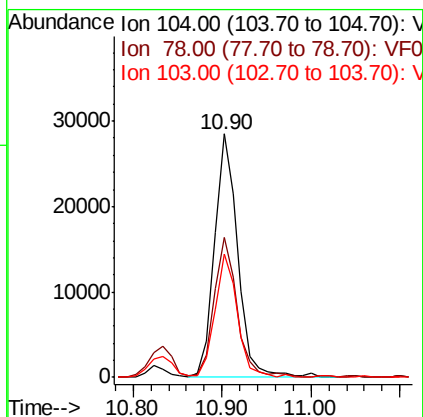
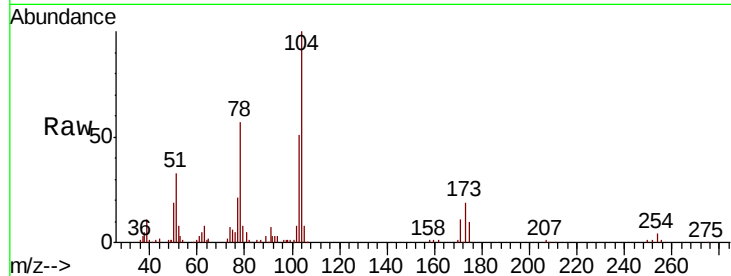




#70
Stvrene
Concen: 10.043 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

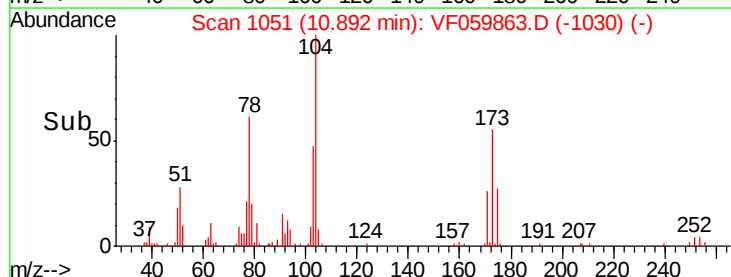
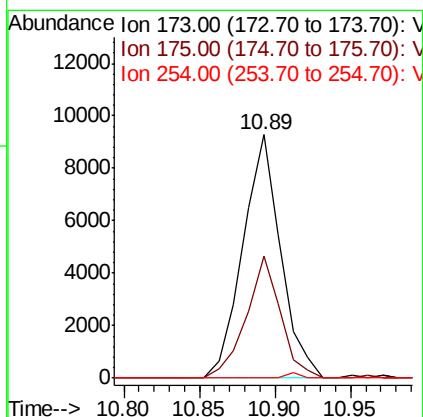
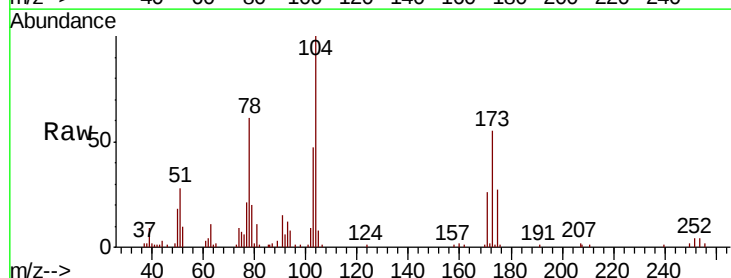
Instrument :
MSVOA_F
ClientSampled :

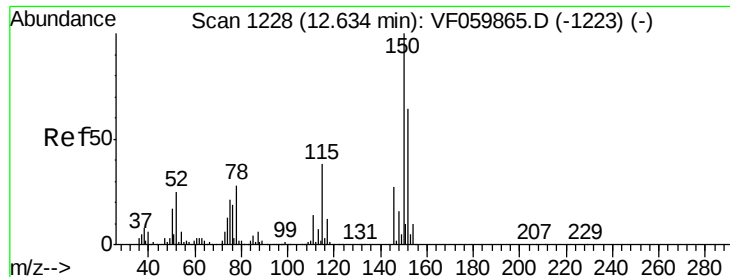
Tot Ion:104 Resp: 52012
Ion Ratio Lower Upper
104 100
78 57.3 47.3 70.9
103 50.7 39.0 58.4



#71
Bromoform
Concen: 9.980 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion:173 Resp: 16160
Ion Ratio Lower Upper
173 100
175 48.7 23.4 70.2
254 0.0 0.0 0.0



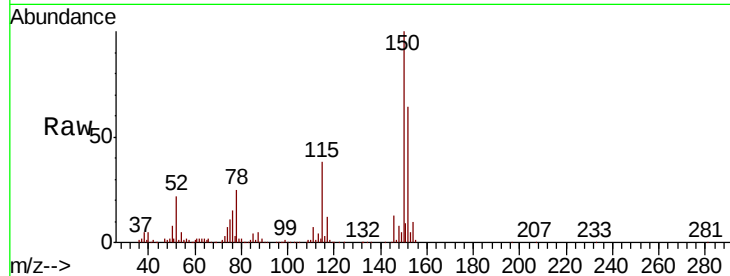


#72

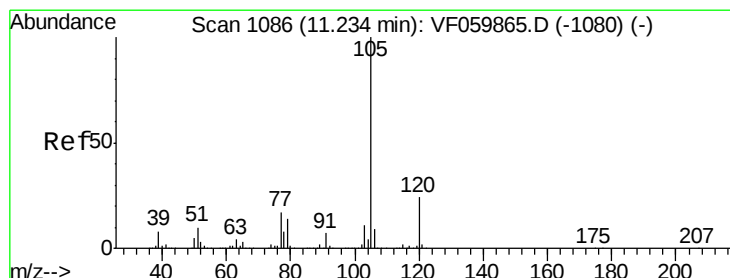
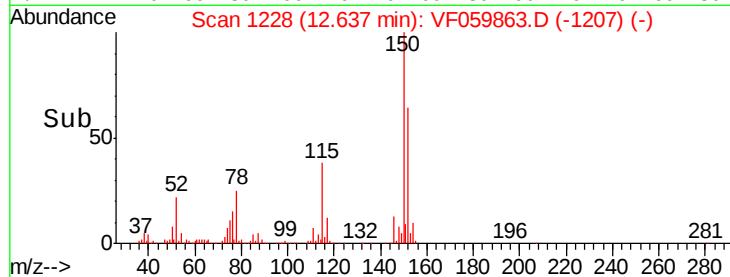
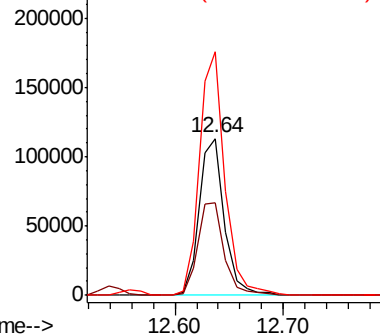
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.8	89.4
150	155.3	0.0	315.6



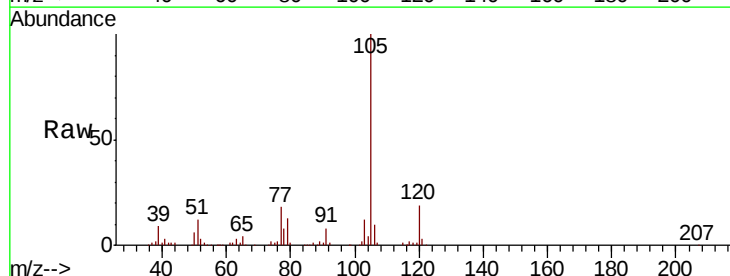
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



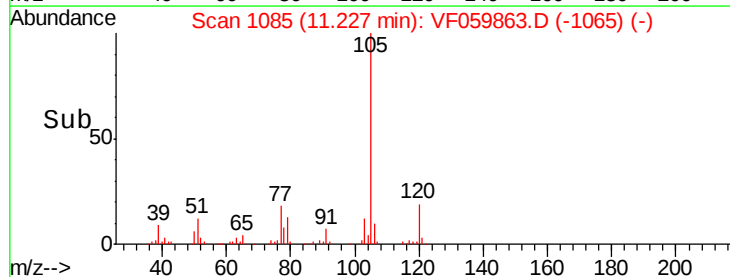
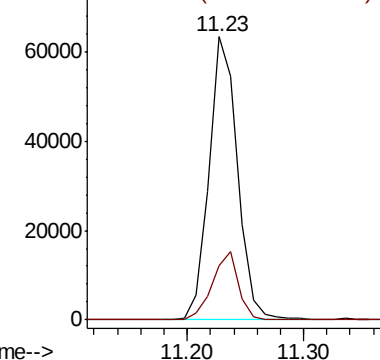
#73

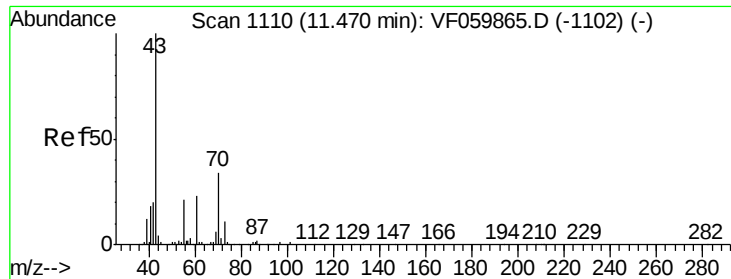
Isopropylbenzene
Concen: 8.729 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	19.2	12.1	36.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 6.903 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF059863.D

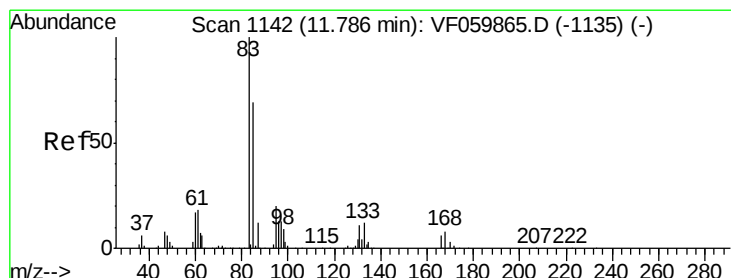
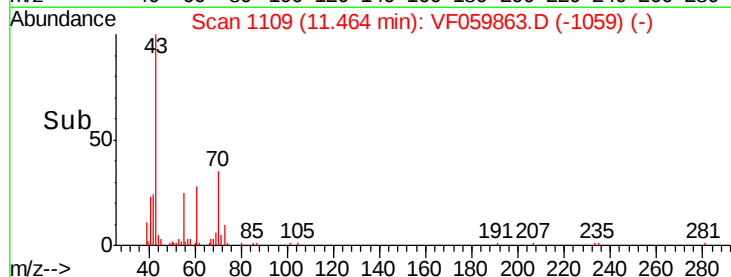
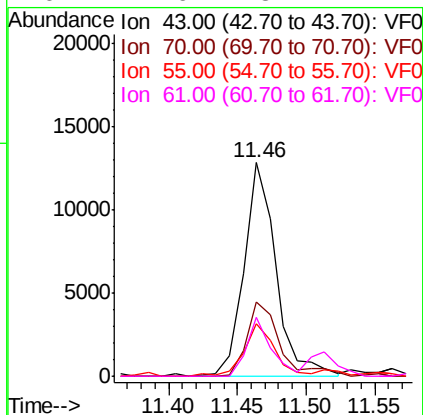
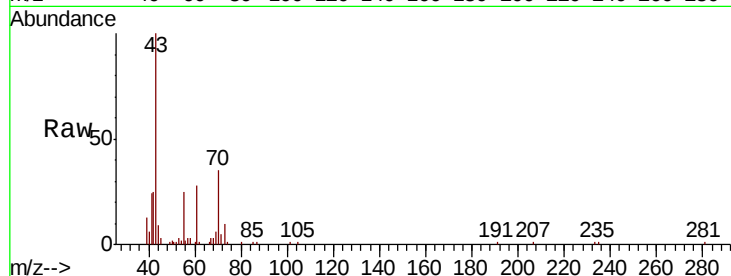
Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	43	Resp:	20879
Ion	Ratio	Lower	Upper
43	100		
70	34.7	27.5	41.3
55	24.8	16.6	25.0
61	27.6	18.2	27.4



#75

1,1,2,2-Tetrachloroethane

Concen: 9.302 ug/l

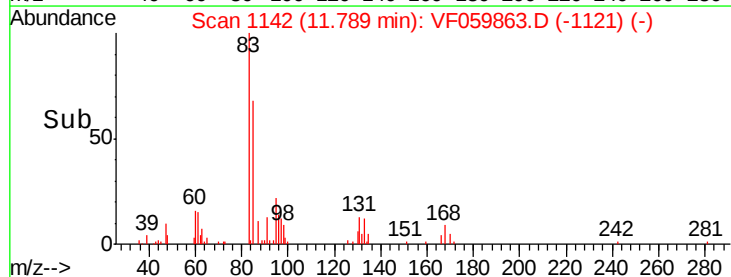
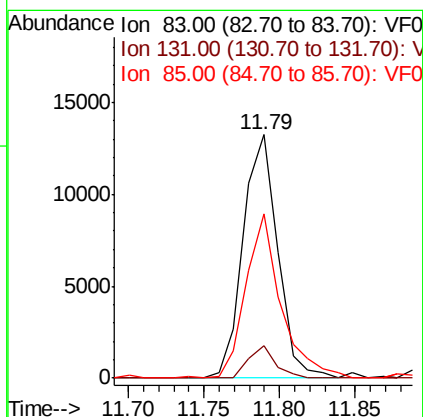
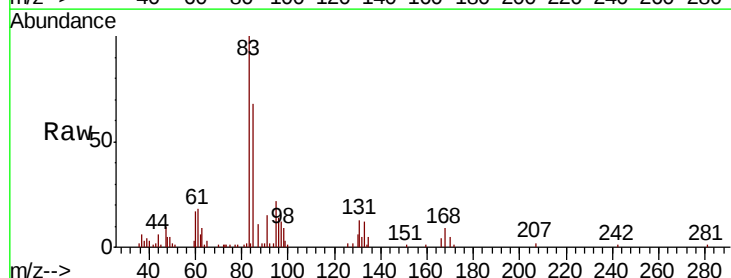
RT: 11.79 min Scan# 1142

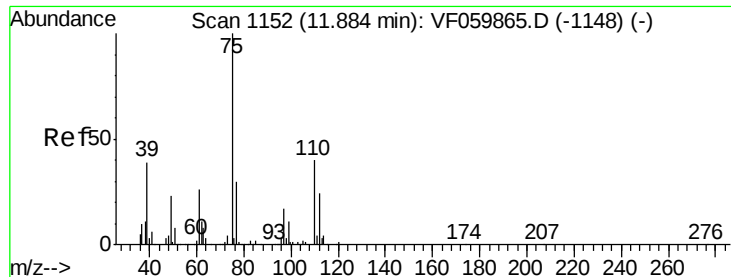
Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Tgt Ion:	83	Resp:	21111
Ion	Ratio	Lower	Upper
83	100		
131	13.2	5.3	15.9
85	67.6	34.5	103.5





#76

1,2,3-Trichloropropane

Concen: 9.397 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

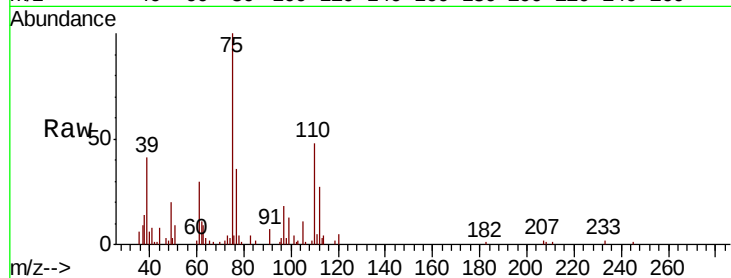
ClientSampleId :

Tot Ion: 75 Resp: 18282

Ion Ratio Lower Upper

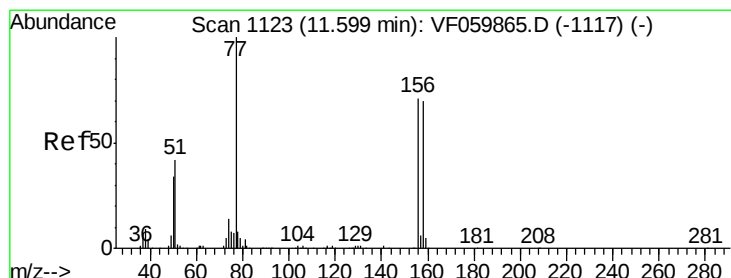
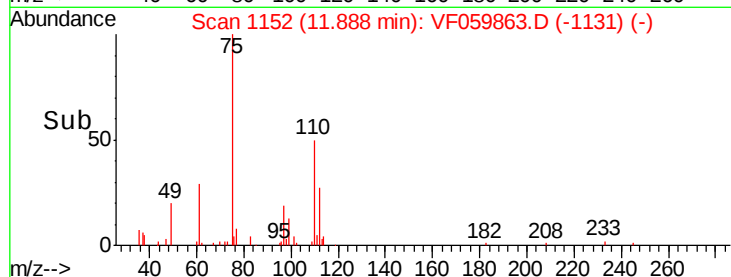
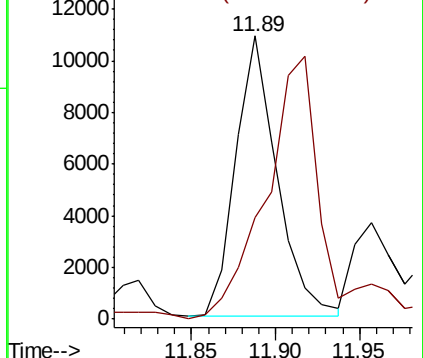
75 100

77 36.1 15.4 46.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#77

Bromobenzene

Concen: 10.294 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

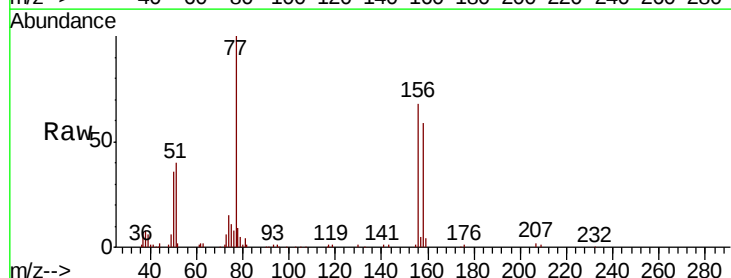
Tgt Ion: 156 Resp: 32852

Ion Ratio Lower Upper

156 100

77 146.6 70.2 210.6

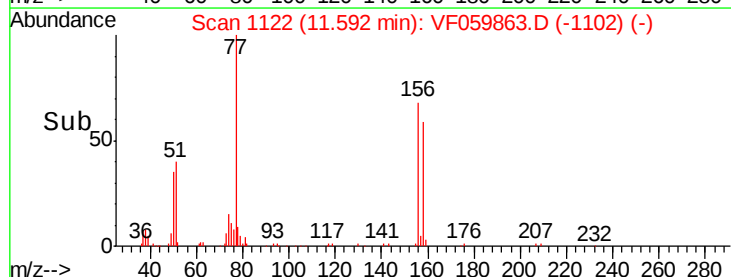
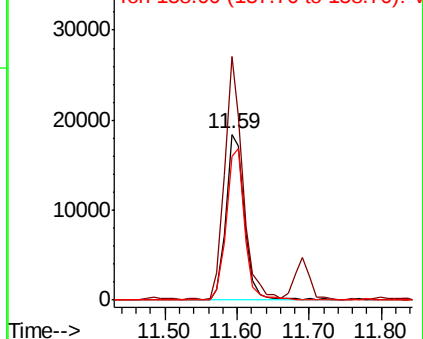
158 86.6 49.2 147.6

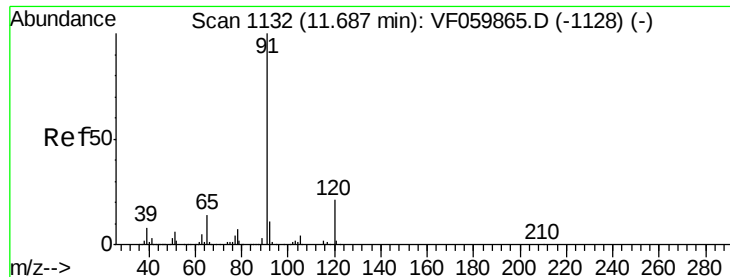


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V





#78

n-propylbenzene

Concen: 9.462 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

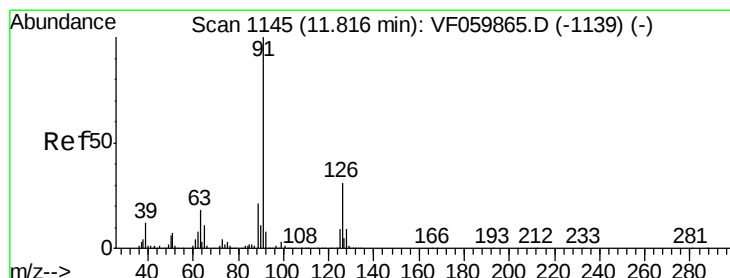
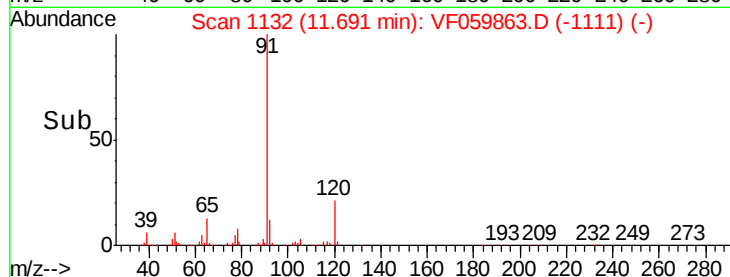
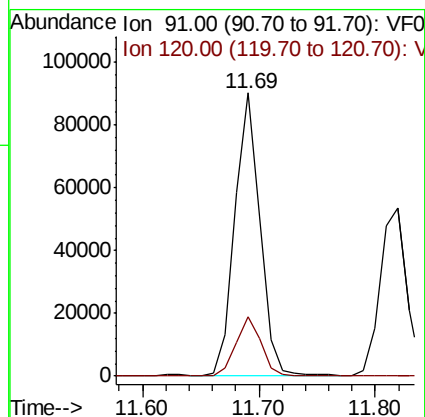
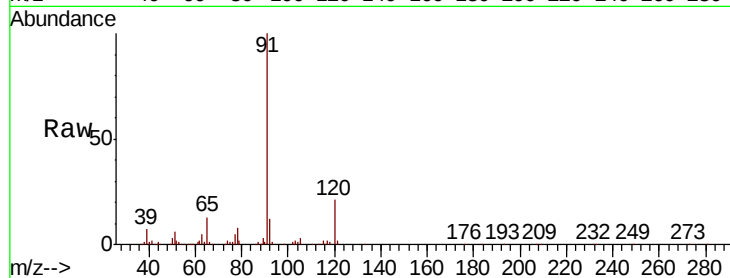
ClientSampleId :

Tot Ion: 91 Resp: 135296

Ion Ratio Lower Upper

91 100

120 20.8 10.4 31.2



#79

2-Chlorotoluene

Concen: 9.483 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059863.D

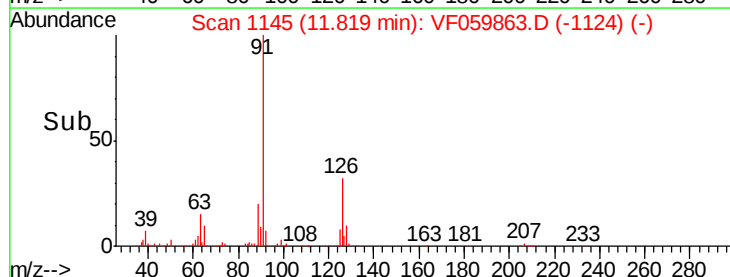
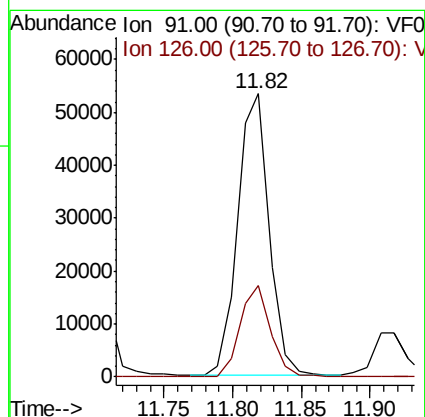
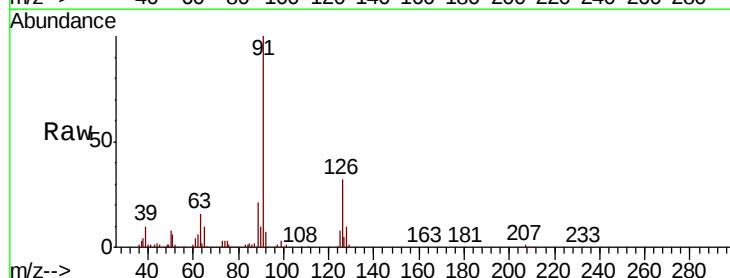
Acq: 4 Aug 2018 3:49

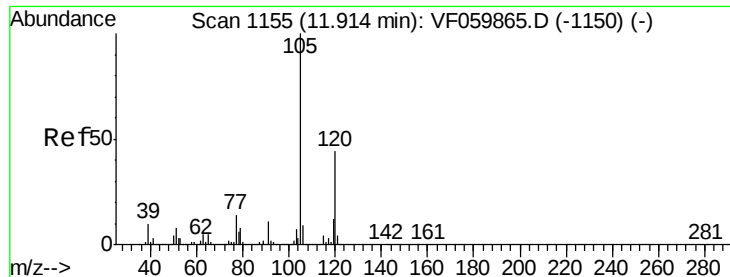
Tgt Ion: 91 Resp: 84281

Ion Ratio Lower Upper

91 100

126 32.2 15.6 46.7





#80

1,3,5-Trimethylbenzene

Concen: 9.877 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

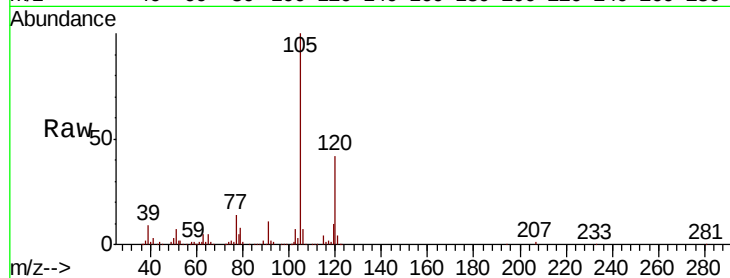
ClientSampleId :

Tot Ion:105 Resp: 109095

Ion Ratio Lower Upper

105 100

120 42.5 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

80000

60000

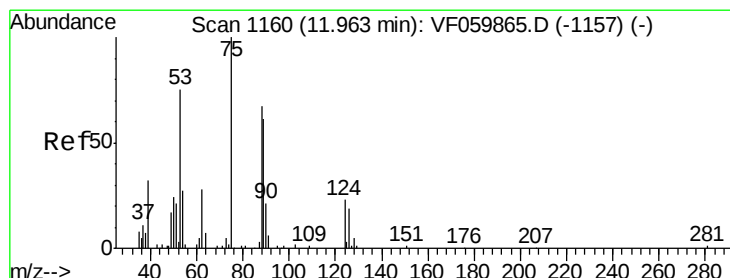
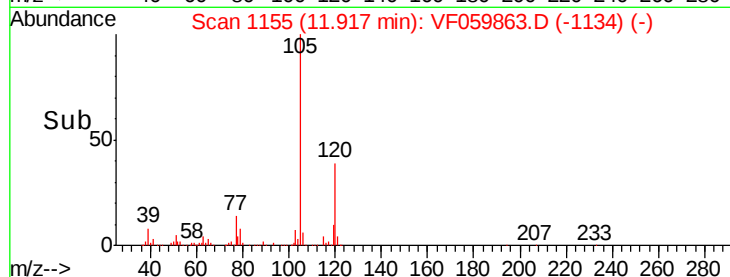
40000

20000

0

11.80 11.90 12.00 12.10

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 6.600 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

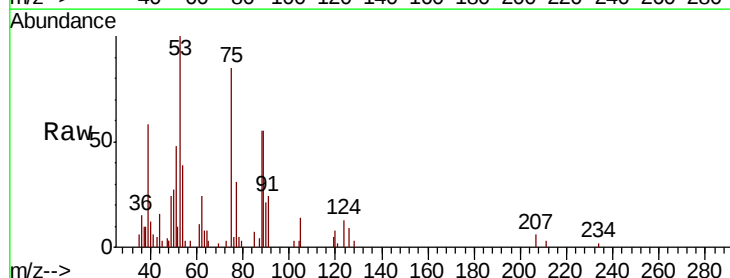
Tgt Ion: 75 Resp: 5168

Ion Ratio Lower Upper

75 100

53 117.4 65.9 98.9#

89 64.8 50.6 76.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

10000

8000

6000

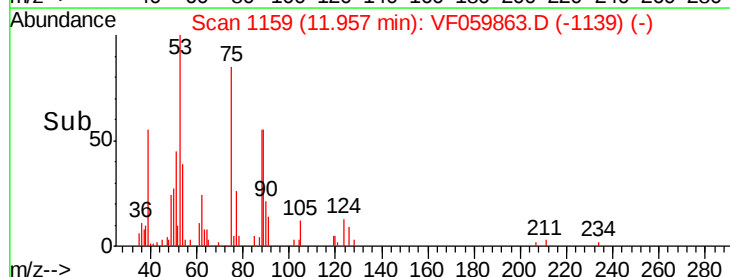
4000

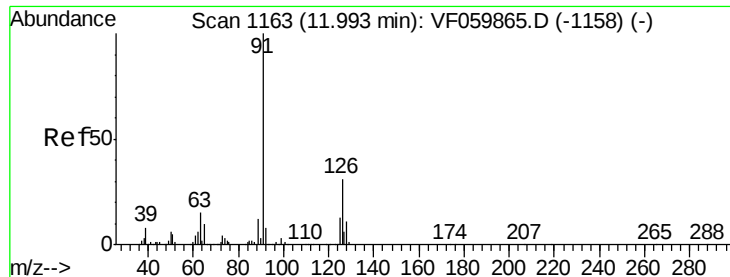
2000

0

11.92 11.94 11.96 11.98

Time-->

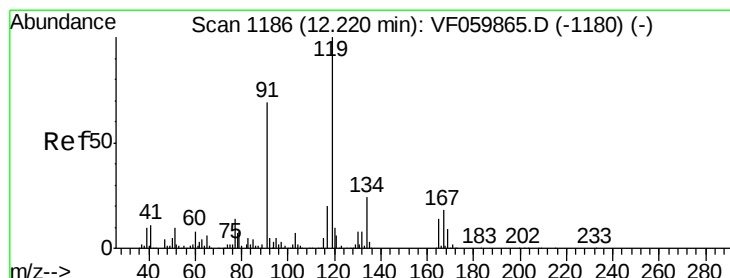
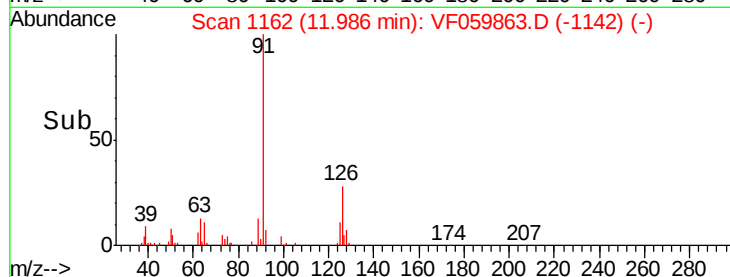
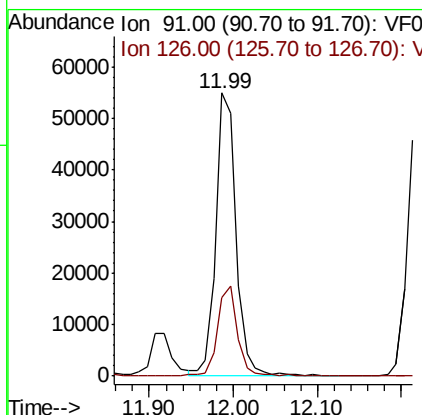
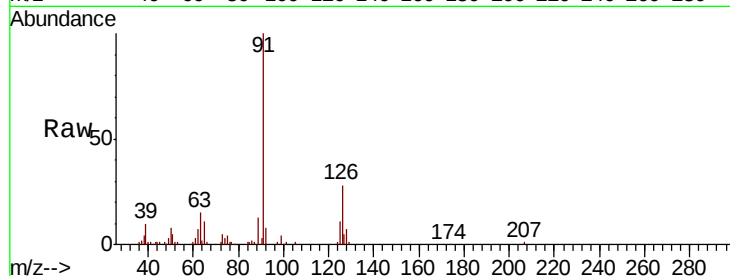




#82
4-Chlorotoluene
Concen: 9.733 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

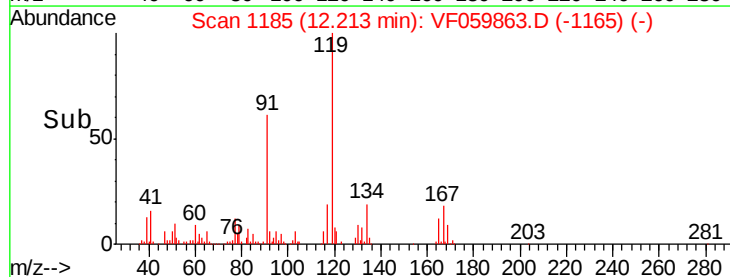
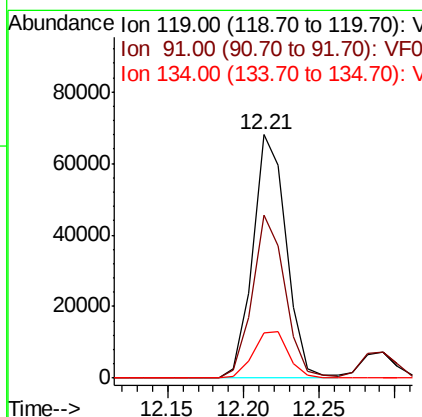
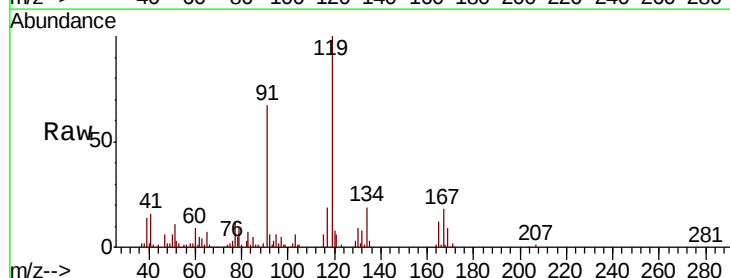
Instrument :
MSVOA_F
ClientSampleId :

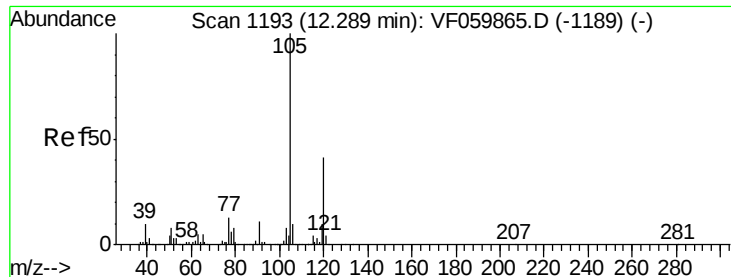
Tot Ion: 91 Resp: 92312
Ion Ratio Lower Upper
91 100
126 27.7 15.7 47.0



#83
tert-Butylbenzene
Concen: 9.592 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion: 119 Resp: 105135
Ion Ratio Lower Upper
119 100
91 67.2 34.4 103.2
134 18.6 12.1 36.3





#84

1,2,4-Trimethylbenzene

Concen: 9.691 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

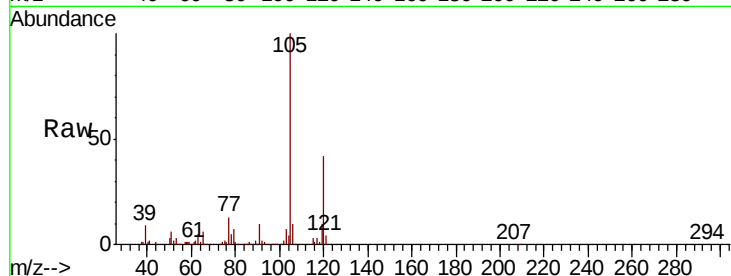
ClientSampleId :

Tot Ion:105 Resp: 107438

Ion Ratio Lower Upper

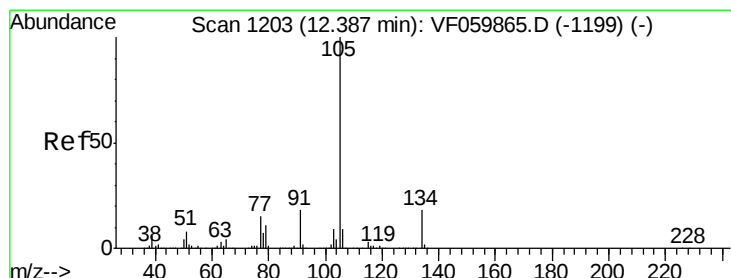
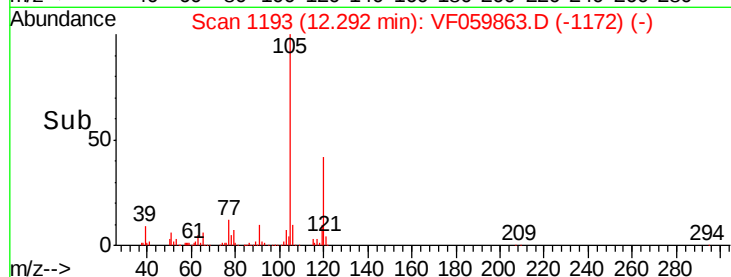
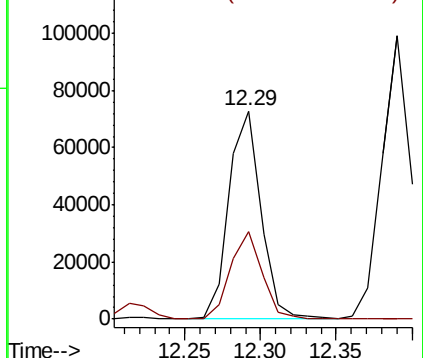
105 100

120 42.0 20.8 62.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 9.672 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059863.D

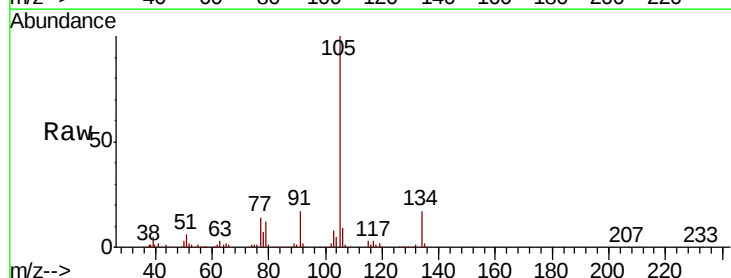
Acq: 4 Aug 2018 3:49

Tgt Ion:105 Resp: 136502

Ion Ratio Lower Upper

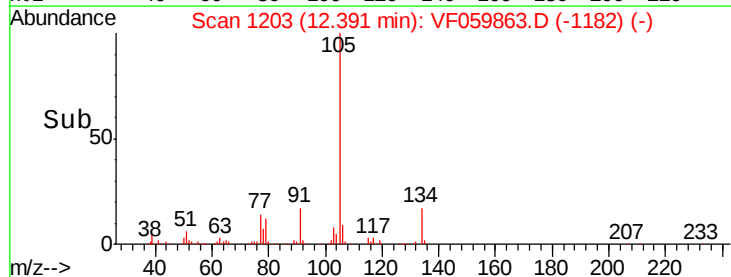
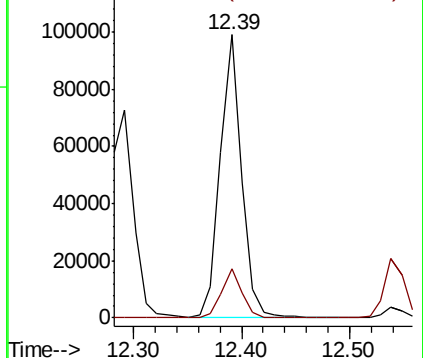
105 100

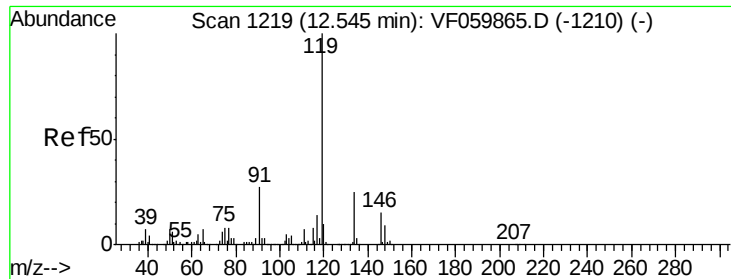
134 17.3 9.1 27.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

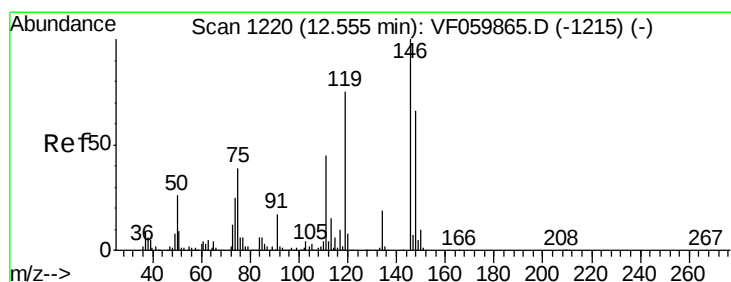
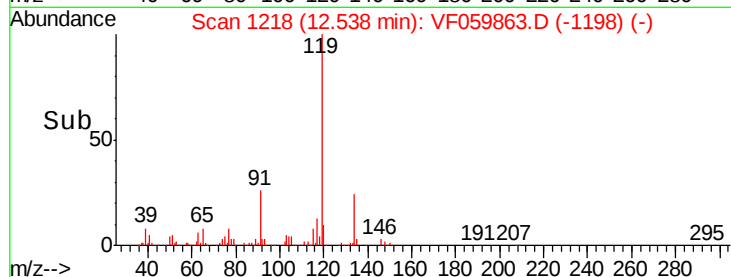
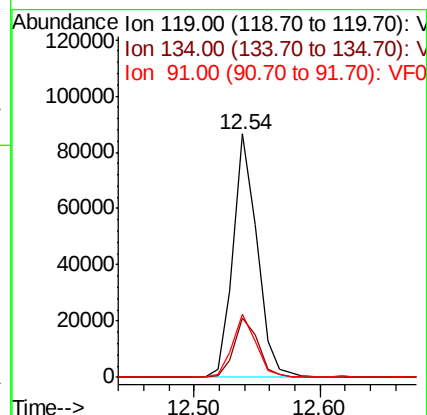
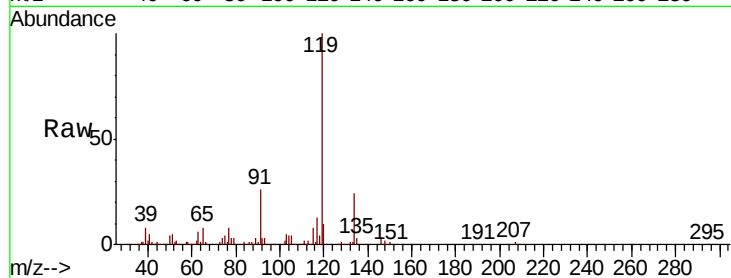




#86
p-Isopropyltoluene
Concen: 9.141 ug/l
RT: 12.54 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

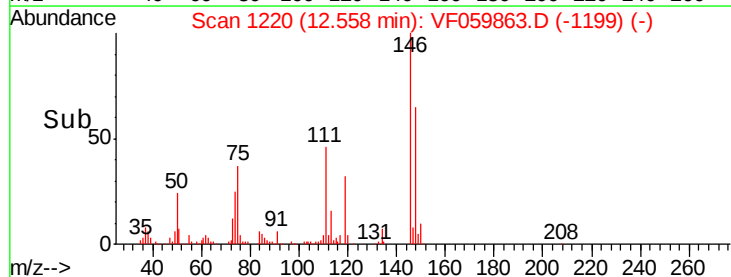
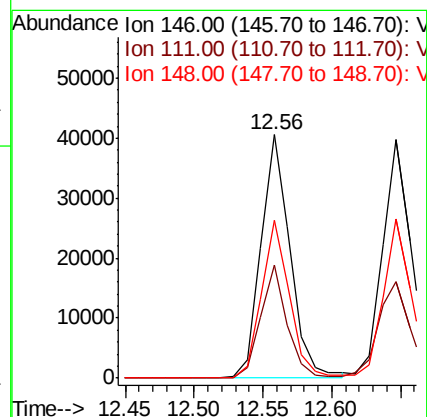
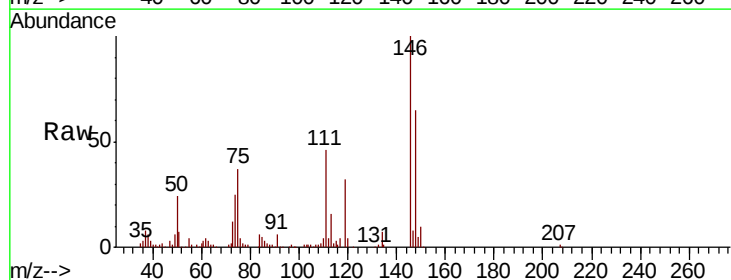
Instrument :
MSVOA_F
ClientSampled :

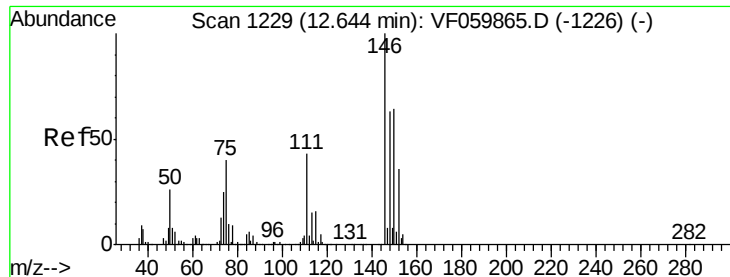
Tot Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.4	37.0
91	26.1	13.6	40.7



#87
1,3-Dichlorobenzene
Concen: 9.843 ug/l
RT: 12.56 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.4	67.0
148	64.8	33.1	99.3

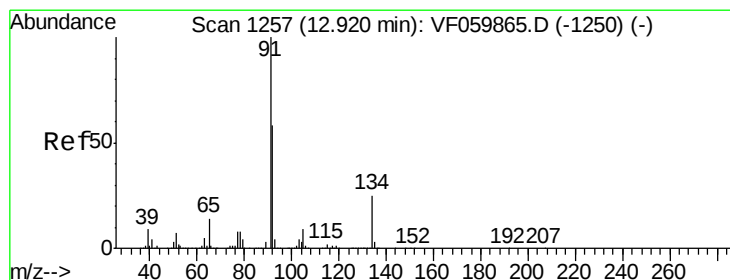
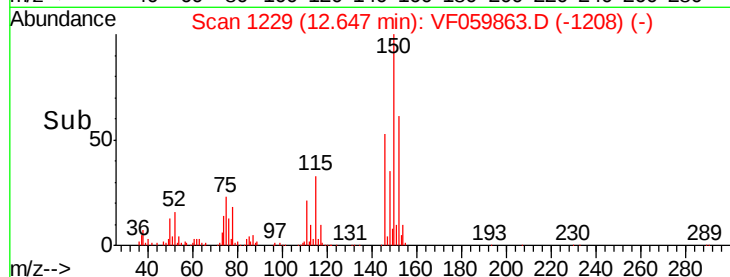
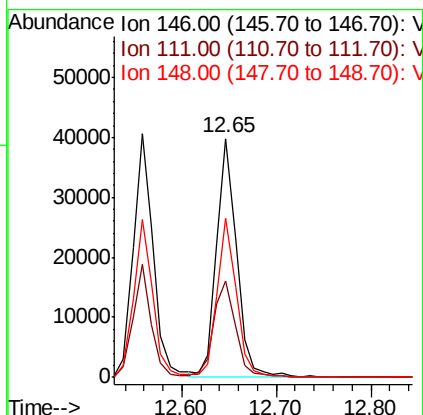
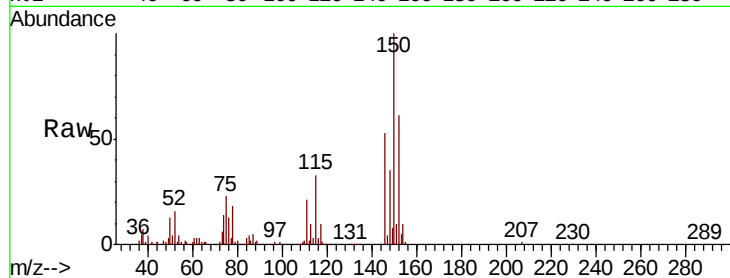




#88
 1,4-Dichlorobenzene
 Concen: 9.940 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

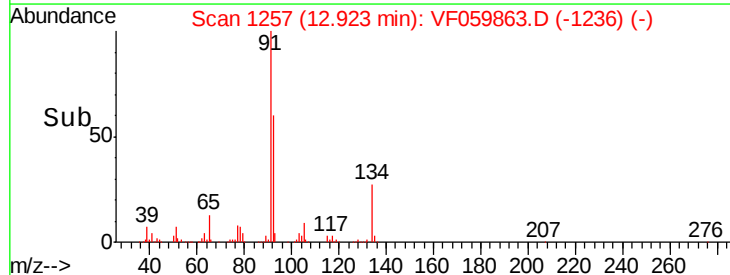
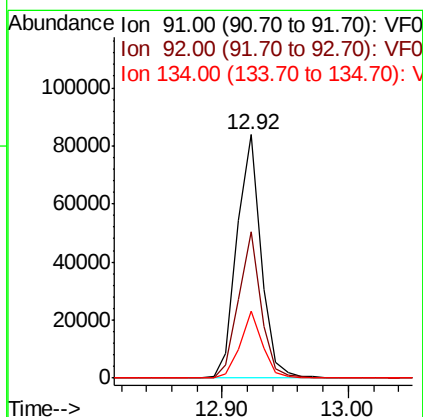
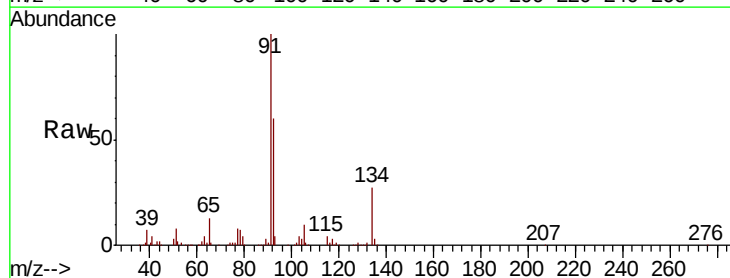
Instrument :
 MSVOA_F
 ClientSampleId :

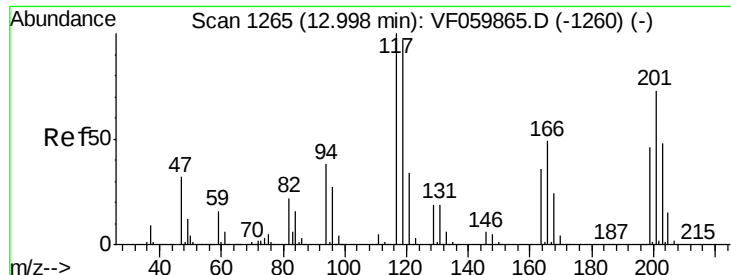
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.4	64.2
148	66.8	31.6	94.7



#89
 n-Butylbenzene
 Concen: 9.413 ug/l
 RT: 12.92 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.3	28.8	86.5
134	27.5	12.6	37.6

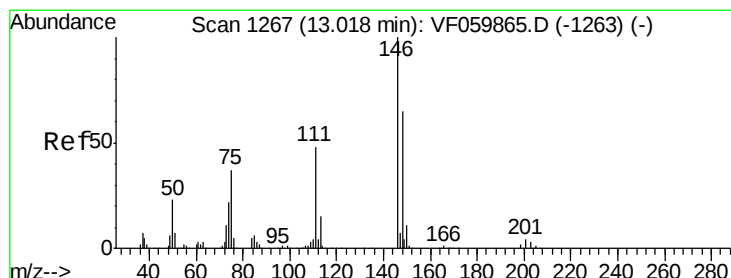
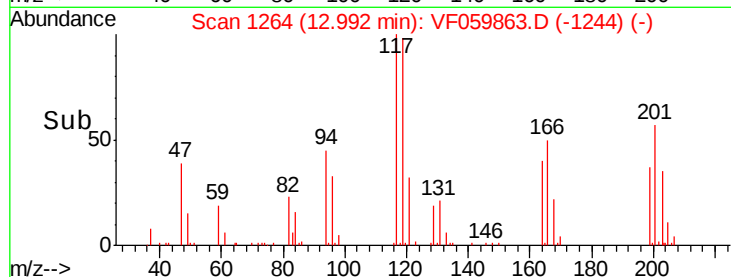
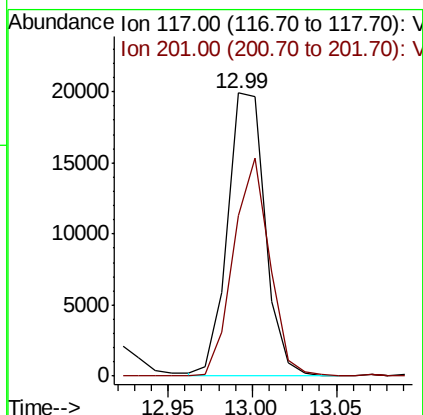
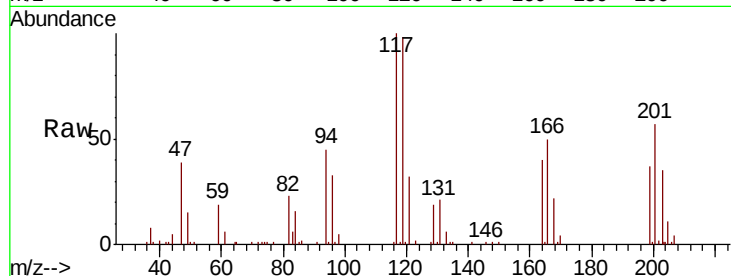




#90
Hexachloroethane
Concen: 9.936 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

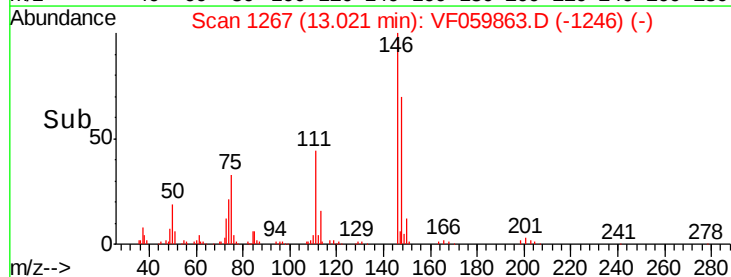
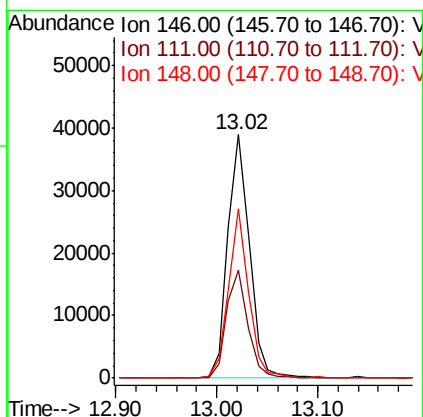
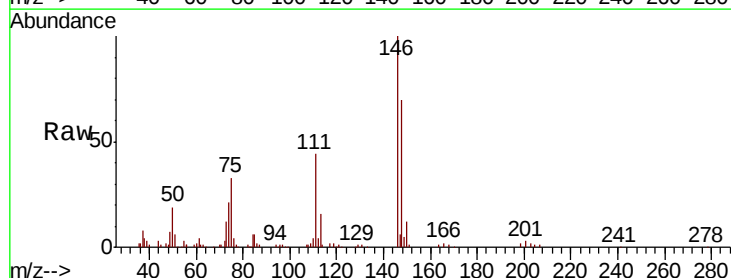
Instrument :
MSVOA_F
ClientSampled :

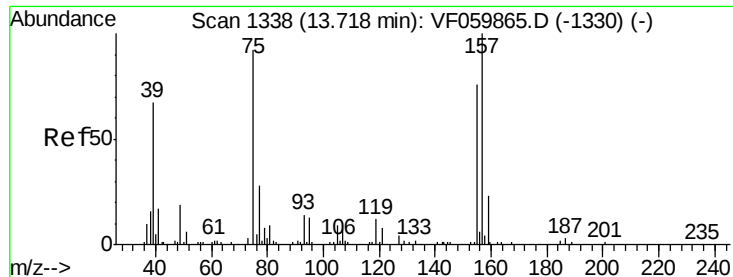
Tot Ion:117 Resp: 31046
Ion Ratio Lower Upper
117 100
201 58.4 36.6 109.8



#91
1,2-Dichlorobenzene
Concen: 9.909 ug/l
RT: 13.02 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion:146 Resp: 58320
Ion Ratio Lower Upper
146 100
111 44.3 24.1 72.2
148 69.8 32.8 98.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 8.997 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

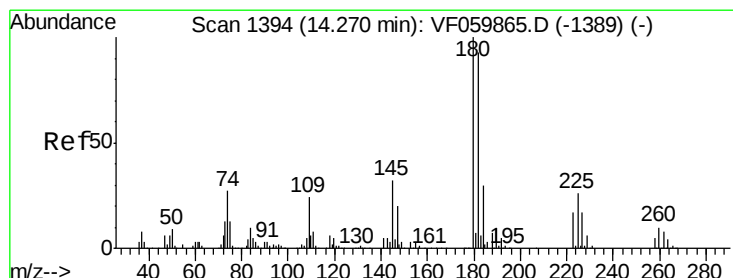
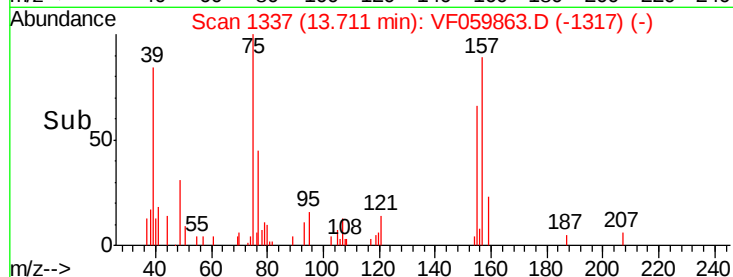
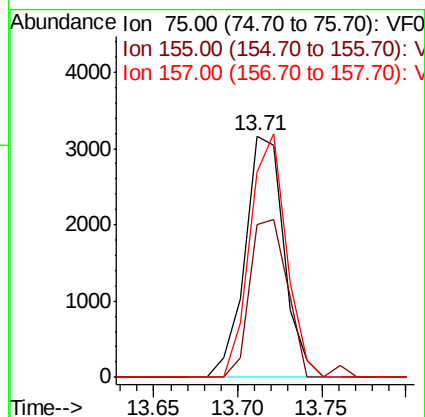
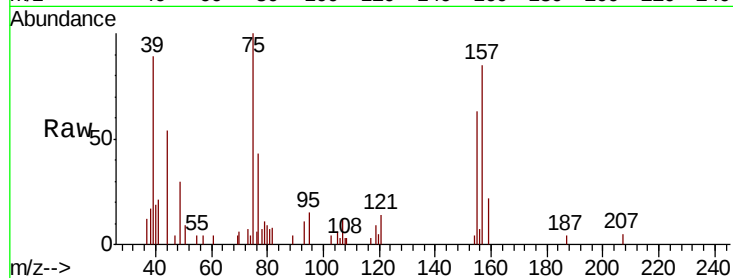
Tot Ion: 75 Resp: 5077

Ion	Ratio	Lower	Upper
75	100		
155	63.1	41.2	123.6
157	84.9	54.5	163.6

75 100

155 63.1 41.2 123.6

157 84.9 54.5 163.6



#93

1,2,4-Trichlorobenzene

Concen: 9.047 ug/l

RT: 14.26 min Scan# 1393

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

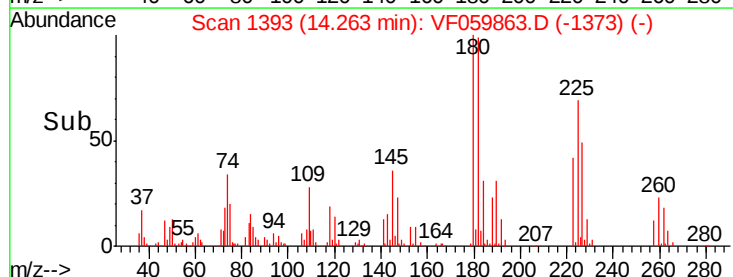
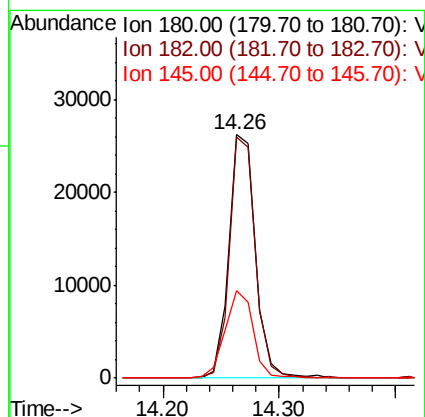
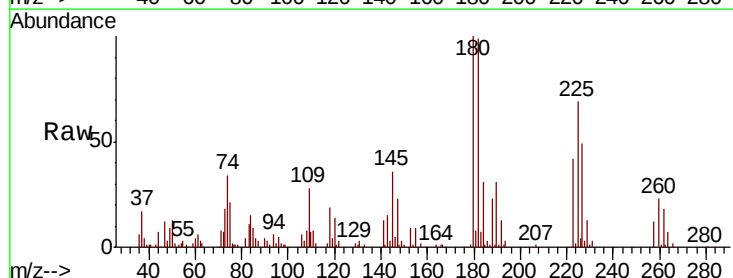
Tgt Ion: 180 Resp: 41377

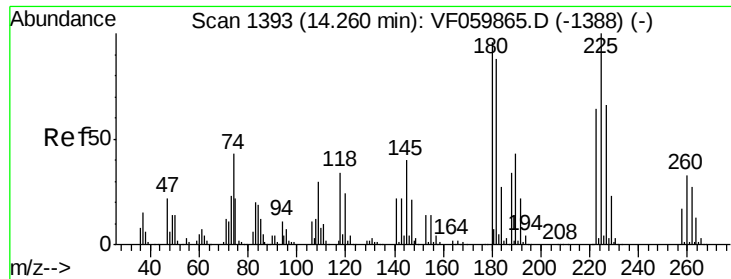
Ion	Ratio	Lower	Upper
180	100		
182	98.9	46.4	139.2
145	36.1	15.9	47.7

180 100

182 98.9 46.4 139.2

145 36.1 15.9 47.7

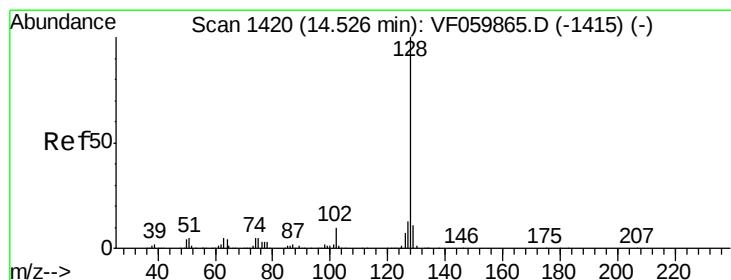
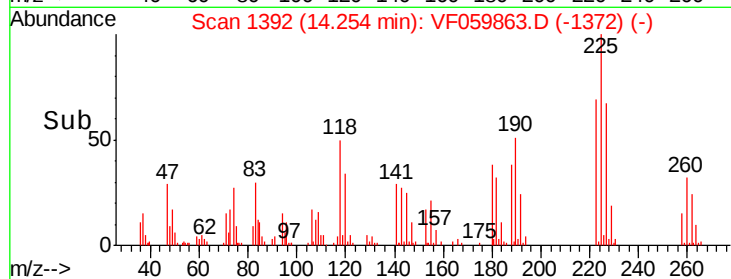
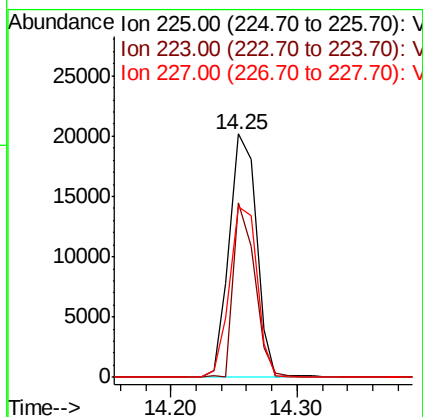
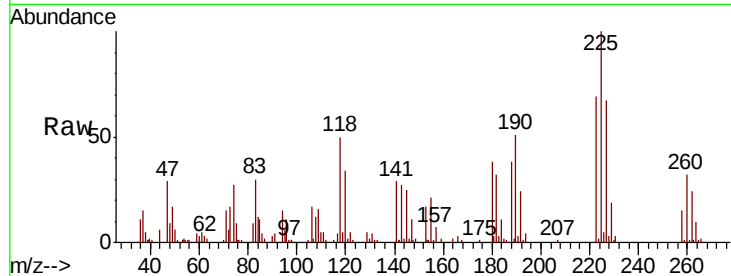




#94
Hexachlorobutadiene
Concen: 9.839 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

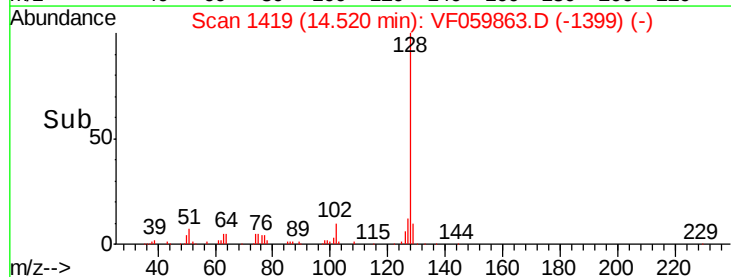
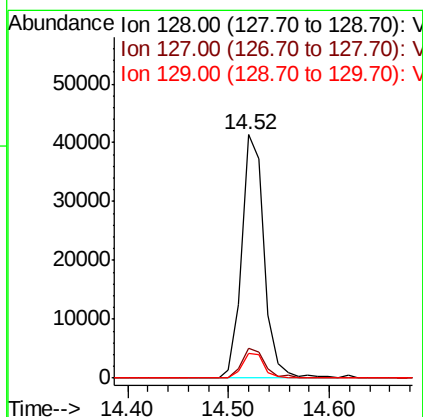
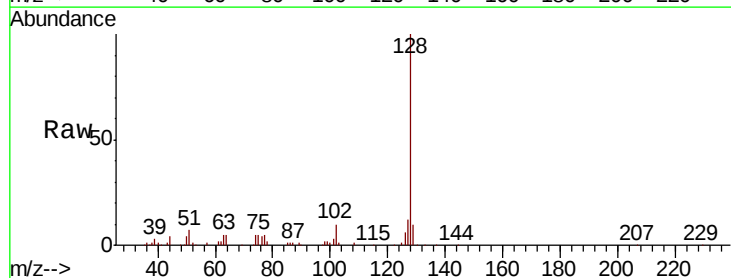
Instrument :
MSVOA_F
ClientSampled :

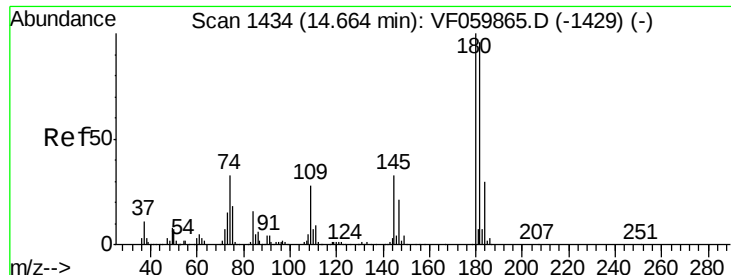
Tot Ion:225 Resp: 30159
Ion Ratio Lower Upper
225 100
223 71.5 31.9 95.9
227 70.2 32.8 98.4



#95
Naphthalene
Concen: 7.992 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion:128 Resp: 63939
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 9.9 9.0 13.6





#96

1,2,3-Trichlorobenzene

Concen: 9.295 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

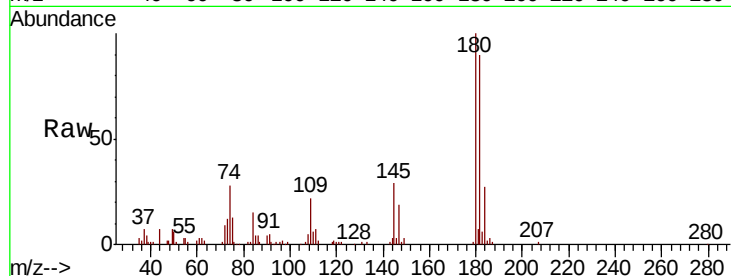
Tot Ion:180 Resp: 41285

Ion Ratio Lower Upper

180 100

182 89.9 48.1 144.3

145 29.4 16.6 49.8



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

