

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059862.D
 Acq On : 4 Aug 2018 3:21
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 04 05:30:55 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	180146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	250389	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	244852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	166970	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	16809	5.11	ug/l	0.00
Spiked Amount			Recovery	=	10.22%	
35) Dibromofluoromethane	4.30	113	13979	5.34	ug/l	0.00
Spiked Amount			Recovery	=	10.68%	
50) Toluene-d8	7.71	98	24268	4.01	ug/l	0.00
Spiked Amount			Recovery	=	8.02%	
62) 4-Bromofluorobenzene	11.52	95	13843	4.13	ug/l	0.00
Spiked Amount			Recovery	=	8.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	16546	6.288	ug/l	93
3) Chloromethane	1.09	50	6837	5.329	ug/l #	87
4) Vinyl Chloride	1.16	62	6749	5.112	ug/l	89
5) Bromomethane	1.34	94	8113	7.424	ug/l #	79
6) Chloroethane	1.43	64	4599	5.540	ug/l	95
7) Trichlorofluoromethane	1.54	101	11262	3.204	ug/l	99
8) Diethyl Ether	1.70	74	3607	6.149	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	1.91	101	13169	7.160	ug/l	96
10) Methyl Iodide	1.97	142	18379	6.291	ug/l #	95
11) Tert butyl alcohol	2.69	59	3511	24.388	ug/l #	93
12) 1,1-Dichloroethene	1.86	96	8012	5.478	ug/l	88
13) Acrolein	2.14	56	274	4.384	ug/l	100
14) Allyl chloride	2.19	41	15025	6.409	ug/l	90
15) Acrylonitrile	3.08	53	5909	24.791	ug/l #	87
16) Acetone	2.34	43	16769	28.401	ug/l	100
17) Carbon Disulfide	1.88	76	17001	4.670	ug/l	97
18) Methyl Acetate	2.46	43	5401	4.898	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	23497	5.415	ug/l #	90
20) Methylene Chloride	2.28	84	7103	4.202	ug/l	94
21) trans-1,2-Dichloroethene	2.42	96	8423	5.750	ug/l	89
22) Diisopropyl ether	2.92	45	25489	5.241	ug/l #	95
23) Vinyl Acetate	3.33	43	61390	24.857	ug/l	97
24) 1,1-Dichloroethane	3.00	63	20844	6.114	ug/l	97
25) 2-Butanone	4.52	43	16140	25.376	ug/l	96
26) 2,2-Dichloropropane	3.77	77	11950	5.092	ug/l	88
27) cis-1,2-Dichloroethene	3.64	96	8310	4.626	ug/l	79
28) Bromochloromethane	3.90	49	7241	5.473	ug/l	82
29) Tetrahydrofuran	4.24	42	6733	26.805	ug/l #	89
30) Chloroform	4.03	83	27741	5.834	ug/l	95
31) Cyclohexane	3.87	56	8563	4.632	ug/l #	71
32) 1,1,1-Trichloroethane	4.27	97	22535	6.045	ug/l	91
36) 1,1-Dichloropropene	4.46	75	15664	5.258	ug/l #	85
37) Ethyl Acetate	4.30	43	6405	4.418	ug/l #	53
38) Carbon Tetrachloride	4.16	117	26840	6.570	ug/l #	67

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 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 04 05:30:55 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)

39) Methylcyclohexane	5.63	83	10495	4.669	ug/l	84
40) Benzene	4.81	78	28255	5.465	ug/l	92
41) Methacrylonitrile	4.91	41	3768	5.289	ug/l #	78
42) 1,2-Dichloroethane	5.12	62	22615	6.126	ug/l	99
43) Isopropyl Acetate	7.11	43	5918	3.983	ug/l #	75
44) Trichloroethene	5.67	130	10080	5.029	ug/l	95
45) 1,2-Dichloropropane	6.42	63	6363	4.685	ug/l #	86
46) Dibromomethane	6.25	93	6982	5.399	ug/l #	73
47) Bromodichloromethane	6.56	83	19935	5.622	ug/l #	90
48) Methyl methacrylate	6.88	41	3867	3.438	ug/l	93
49) 1,4-Dioxane	6.86	88	265	30.564	ug/l #	63
51) 4-Methyl-2-Pentanone	8.42	43	29892	25.298	ug/l #	82
52) Toluene	7.78	92	17864	4.656	ug/l	90
53) t-1,3-Dichloropropene	8.43	75	12707	4.217	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	13723	4.651	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	6727	4.894	ug/l #	92
56) Ethyl methacrylate	8.76	69	4668	3.283	ug/l #	83
57) 1,3-Dichloropropane	9.00	76	10018	4.203	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.78	63	4036	23.324	ug/l	100
59) 2-Hexanone	9.63	43	20936	22.433	ug/l	83
60) Dibromochloromethane	8.86	129	11462	4.636	ug/l	90
61) 1,2-Dibromoethane	9.13	107	7865	4.820	ug/l	83
64) Tetrachloroethene	8.30	164	9998	5.007	ug/l	86
65) Chlorobenzene	9.94	112	25926	5.166	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.08	131	13419	5.699	ug/l	86
67) Ethyl Benzene	10.04	91	42789	4.913	ug/l	99
68) m/p-Xylenes	10.27	106	29670	9.719	ug/l	98
69) o-Xylene	10.84	106	13110	4.060	ug/l	92
70) Styrene	10.90	104	20345	4.207	ug/l	95
71) Bromoform	10.88	173	7584	5.016	ug/l #	97
73) Isopropylbenzene	11.23	105	48261	4.317	ug/l	95
74) N-amyl acetate	11.47	43	9411	3.413	ug/l #	89
75) 1,1,1,2-Tetrachloroethane	11.79	83	10806	5.222	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	8982	5.064	ug/l	88
77) Bromobenzene	11.59	156	14076	4.838	ug/l	93
78) n-propylbenzene	11.69	91	63597	4.878	ug/l	92
79) 2-Chlorotoluene	11.81	91	39666	4.895	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	46188	4.587	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.96	75	3695	5.176	ug/l #	73
82) 4-Chlorotoluene	11.99	91	46249	5.348	ug/l	96
83) tert-Butylbenzene	12.22	119	45359	4.539	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	50472	4.993	ug/l	96
85) sec-Butylbenzene	12.39	105	65227	5.069	ug/l	96
86) p-Isopropyltoluene	12.54	119	50547	4.454	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	31264	5.635	ug/l	94
88) 1,4-Dichlorobenzene	12.65	146	27786	5.120	ug/l	91
89) n-Butylbenzene	12.92	91	49272	4.616	ug/l	98
90) Hexachloroethane	12.99	117	16501	5.792	ug/l	81
91) 1,2-Dichlorobenzene	13.02	146	27252	5.079	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	2139	4.158	ug/l	89

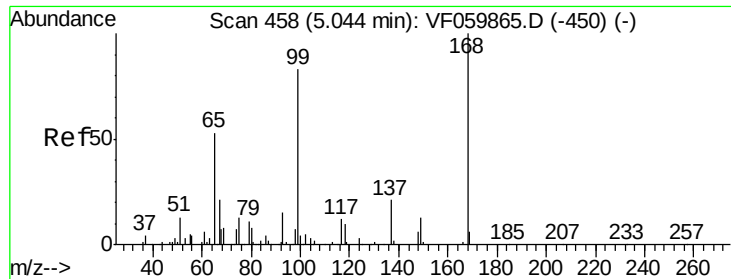
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080418\
Data File : VF059862.D
Acq On : 4 Aug 2018 3:21
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Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Aug 04 05:30:55 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.27	180	20165	4.836	ug/l	93
94) Hexachlorobutadiene	14.26	225	14802	5.296	ug/l	95
95) Naphthalene	14.52	128	28177	3.863	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	18465	4.560	ug/l	97

(#) = 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. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

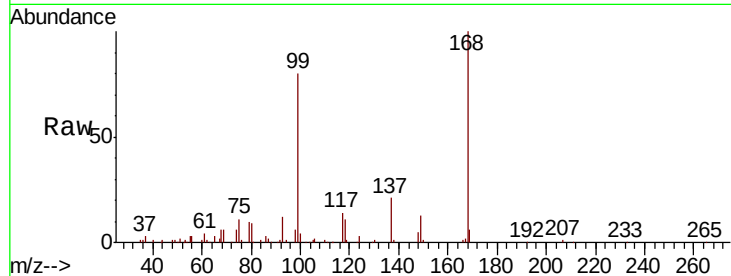
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 180146

Ion Ratio Lower Upper

168 100

99 79.7 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

60000

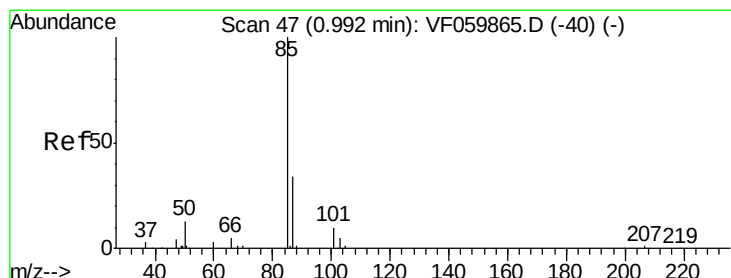
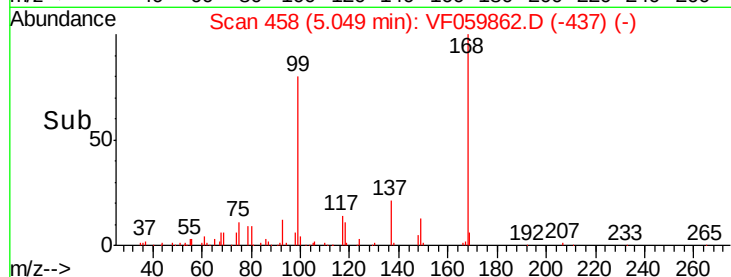
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 6.288 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059862.D

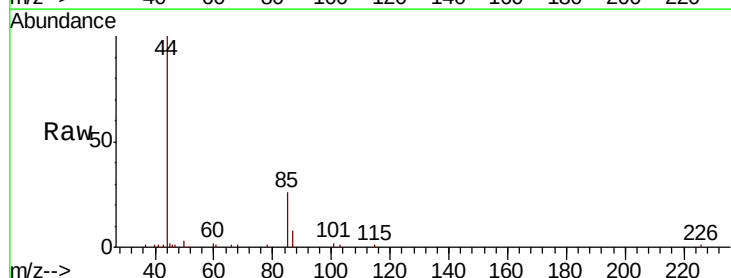
Acq: 4 Aug 2018 3:21

Tgt Ion: 85 Resp: 16546

Ion Ratio Lower Upper

85 100

87 29.5 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

6000

5000

4000

3000

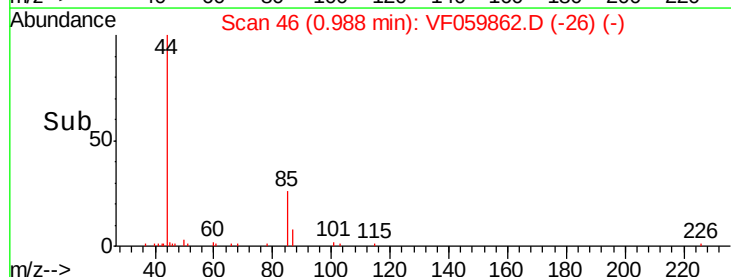
2000

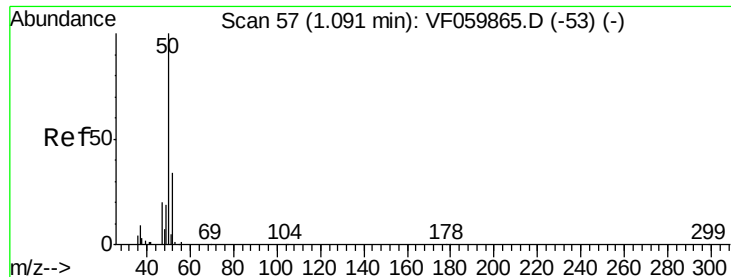
1000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 5.329 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

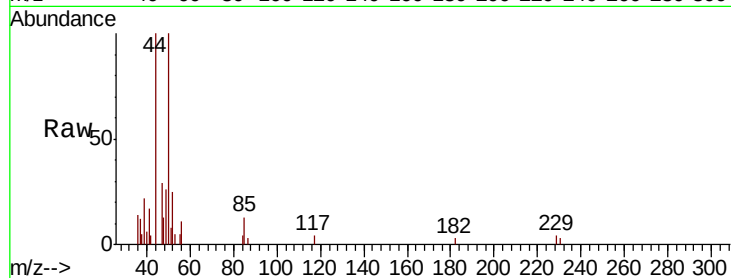
ClientSampleId :

Tot Ion: 50 Resp: 6837

Ion Ratio Lower Upper

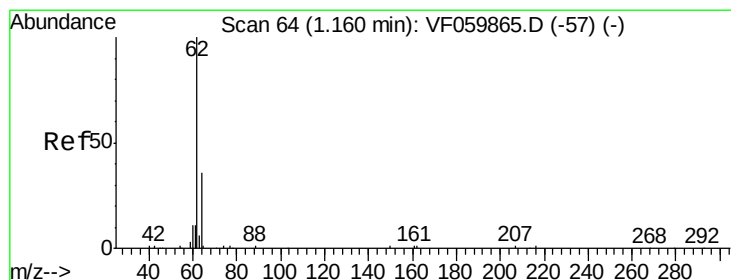
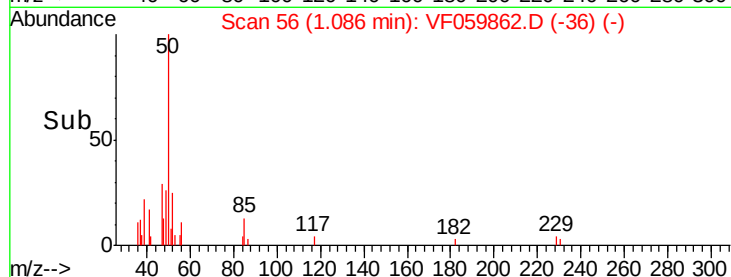
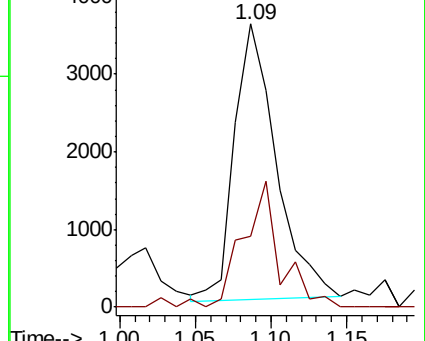
50 100

52 25.1 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: 5.112 ug/l

RT: 1.16 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059862.D

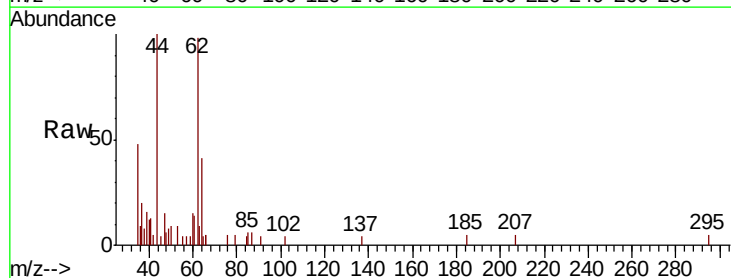
Acq: 4 Aug 2018 3:21

Tgt Ion: 62 Resp: 6749

Ion Ratio Lower Upper

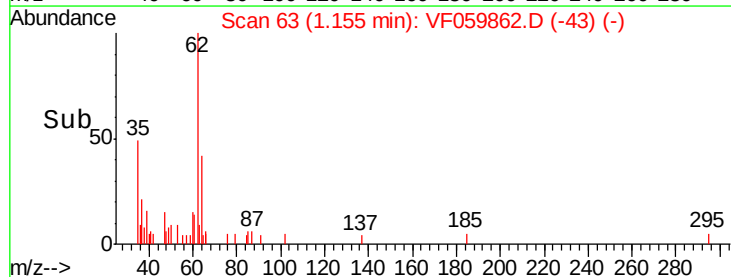
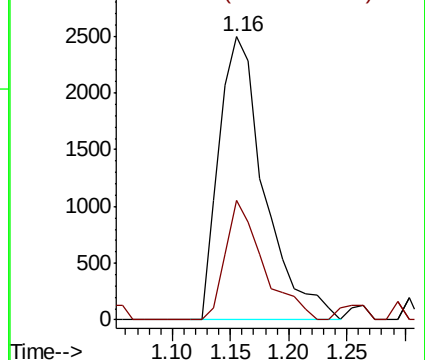
62 100

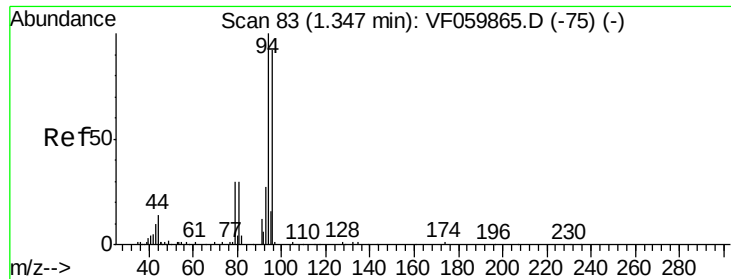
64 42.3 28.5 42.7



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 7.424 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

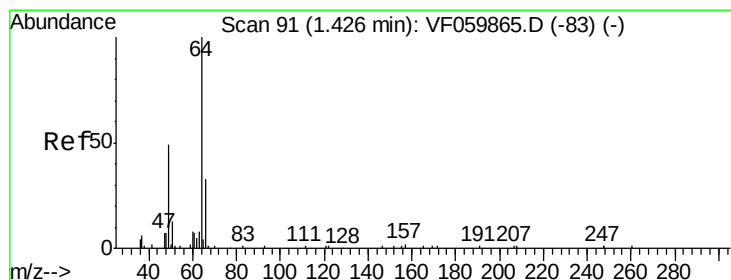
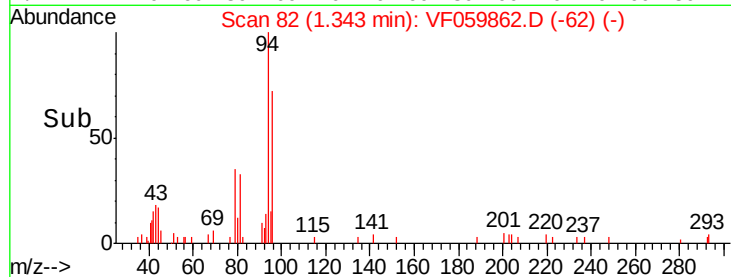
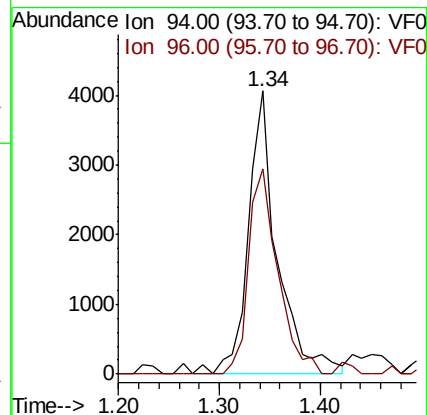
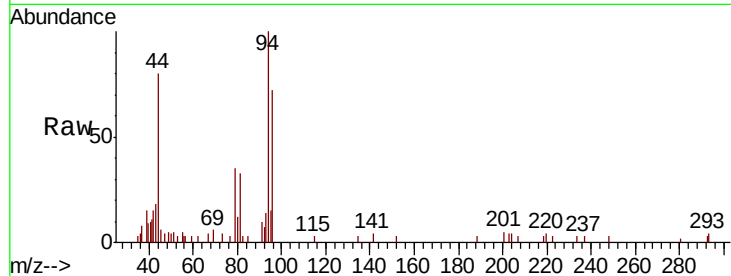
ClientSampleId :

Tot Ion: 94 Resp: 8113

Ion Ratio Lower Upper

94 100

96 72.3 73.8 110.8#



#6

Chloroethane

Concen: 5.540 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VF059862.D

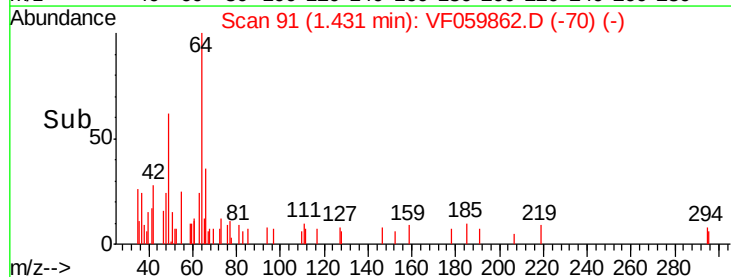
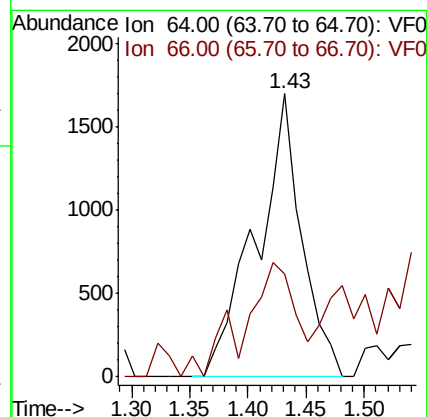
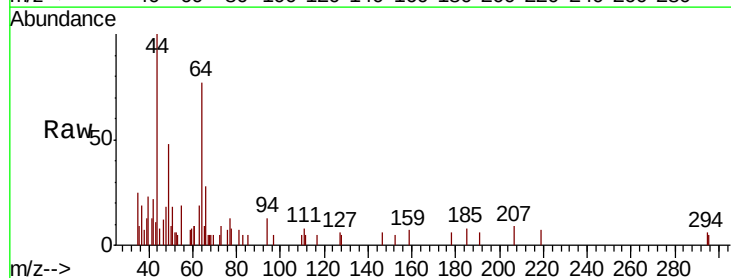
Acq: 4 Aug 2018 3:21

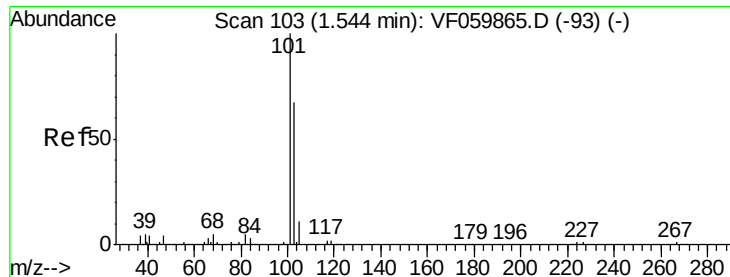
Tgt Ion: 64 Resp: 4599

Ion Ratio Lower Upper

64 100

66 36.4 26.9 40.3



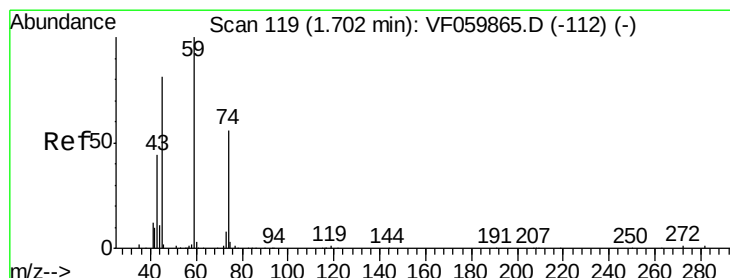
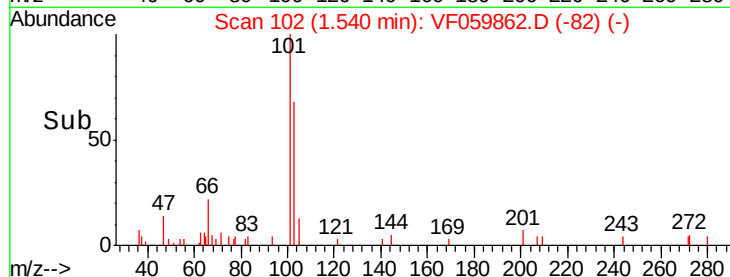
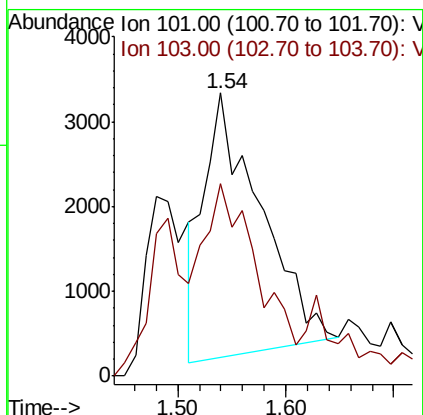
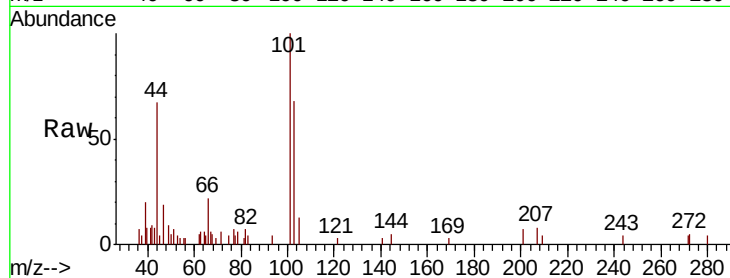


#7

Trichlorofluoromethane
Concen: 3.204 ug/l
RT: 1.54 min Scan# 102
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Instrument :
MSVOA_F
ClientSampleId :

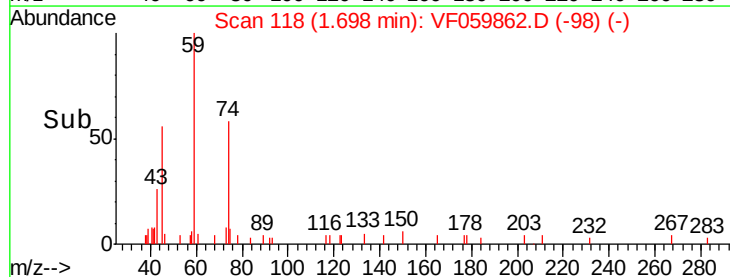
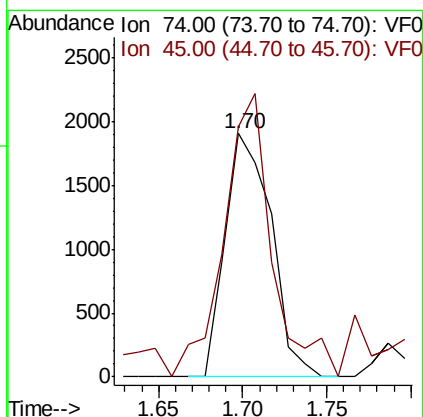
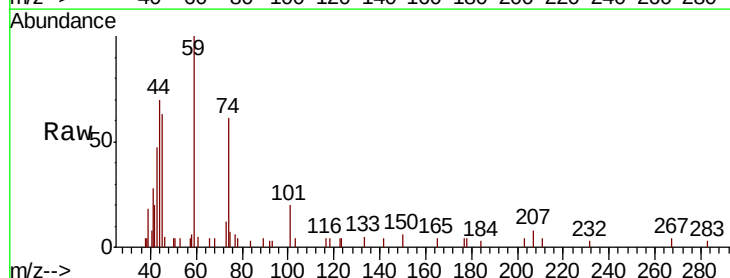
Tot Ion:101 Resp: 11262
Ion Ratio Lower Upper
101 100
103 68.1 53.6 80.4

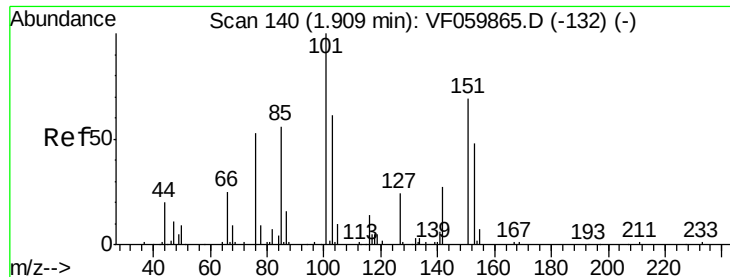


#8

Diethyl Ether
Concen: 6.149 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion: 74 Resp: 3607
Ion Ratio Lower Upper
74 100
45 102.9 73.6 220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 7.160 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampled :

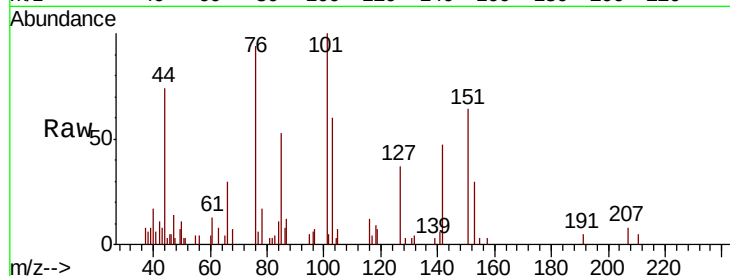
Tot Ion:101 Resp: 13169

Ion Ratio Lower Upper

101 100

85 52.5 44.5 66.7

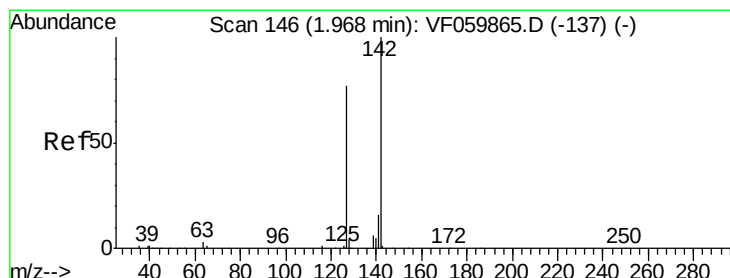
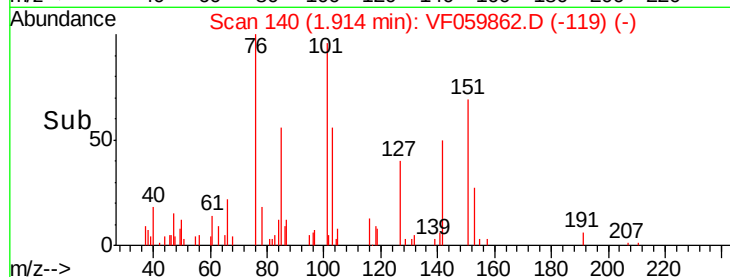
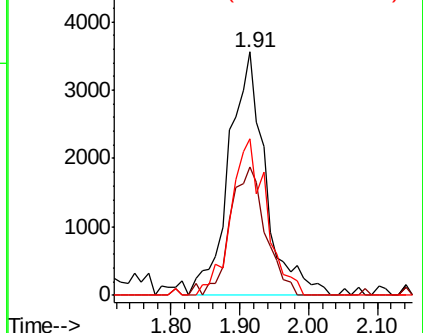
151 64.4 53.8 80.8



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: 6.291 ug/l

RT: 1.97 min Scan# 146

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

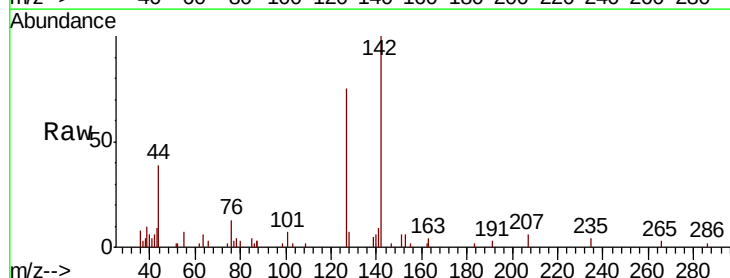
Tgt Ion:142 Resp: 18379

Ion Ratio Lower Upper

142 100

127 75.4 61.5 92.3

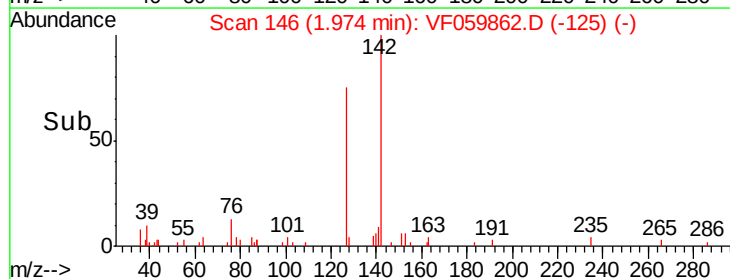
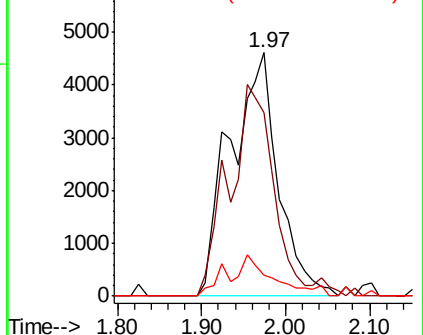
141 8.6 13.0 19.4#

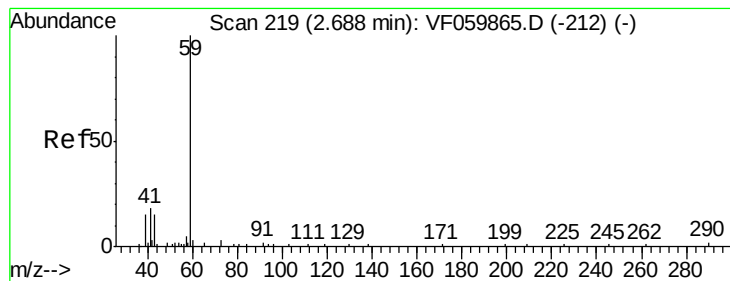


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



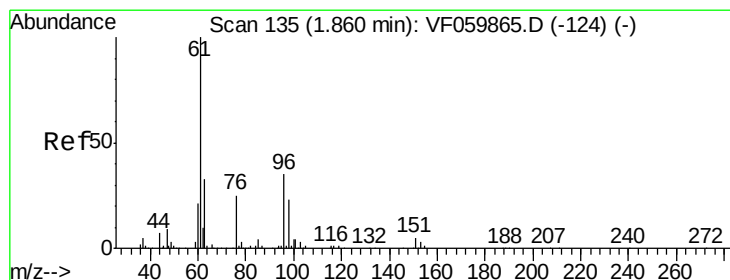
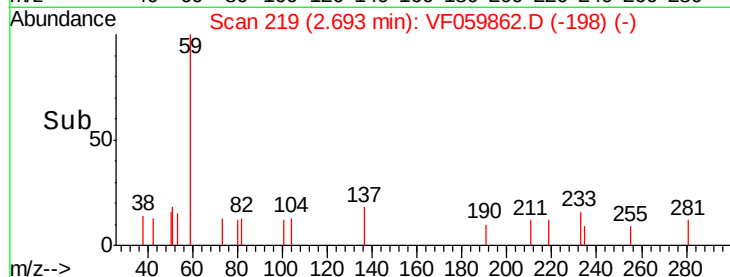
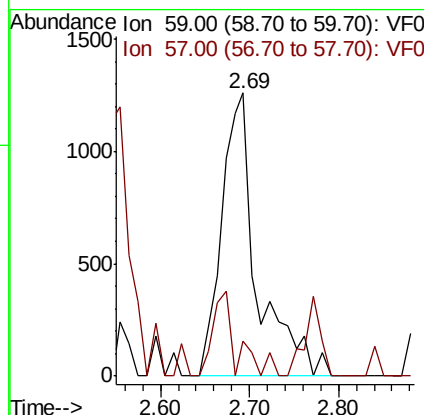
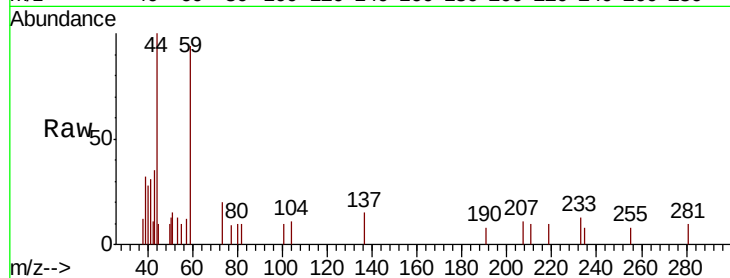


#11

Tert butyl alcohol
 Concen: 24.388 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Instrument :
 MSVOA_F
 ClientSampleId :

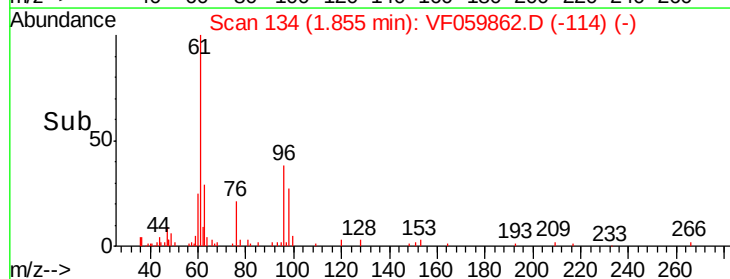
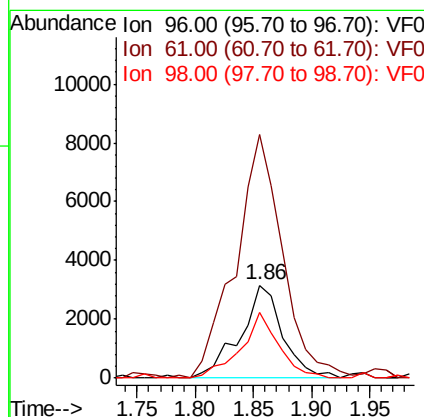
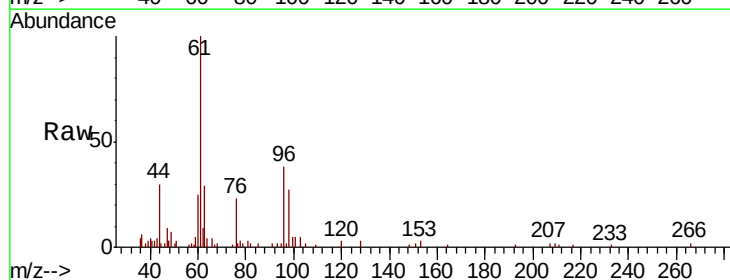
Tot Ion: 59 Resp: 3511
 Ion Ratio Lower Upper
 59 100
 57 12.2 7.6 11.4#

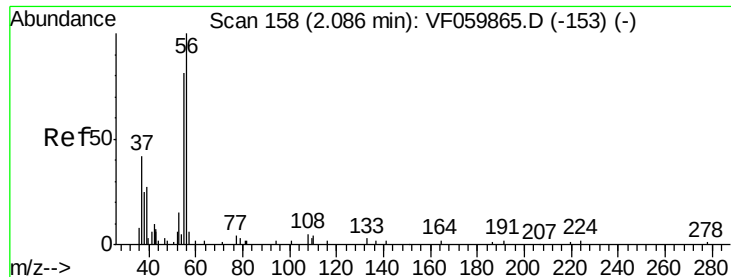


#12

1,1-Dichloroethene
 Concen: 5.478 ug/l
 RT: 1.86 min Scan# 134
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion: 96 Resp: 8012
 Ion Ratio Lower Upper
 96 100
 61 262.7 230.2 345.2
 98 70.6 52.7 79.1





#13

Acrolein

Concen: 4.384 ug/l

RT: 2.14 min Scan# 163

Delta R.T. 0.05 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

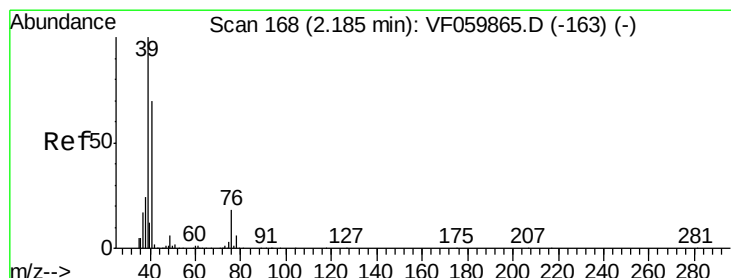
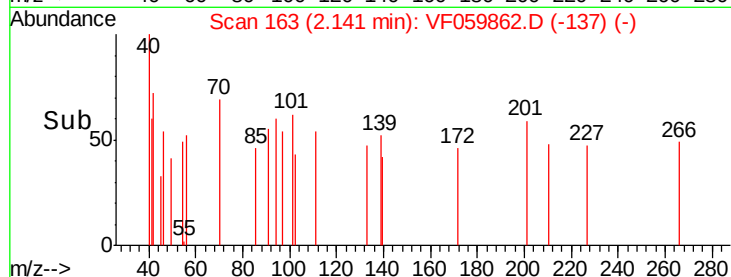
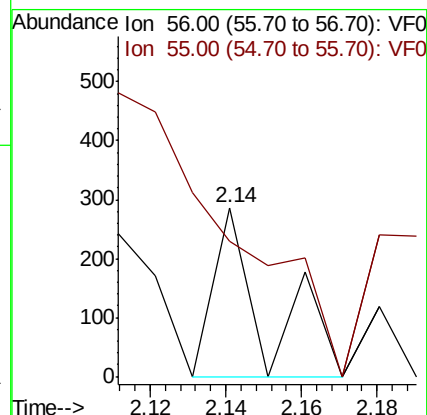
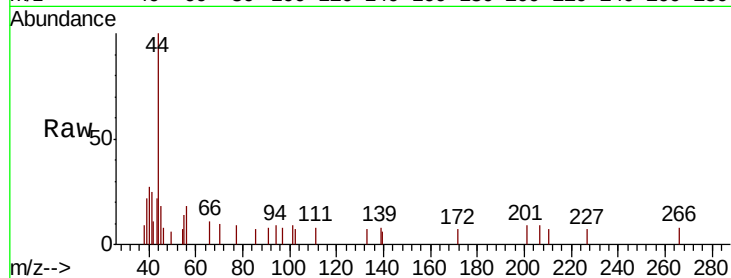
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 274

Ion Ratio Lower Upper

56 100

55 80.4 64.6 96.8



#14

Allyl chloride

Concen: 6.409 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

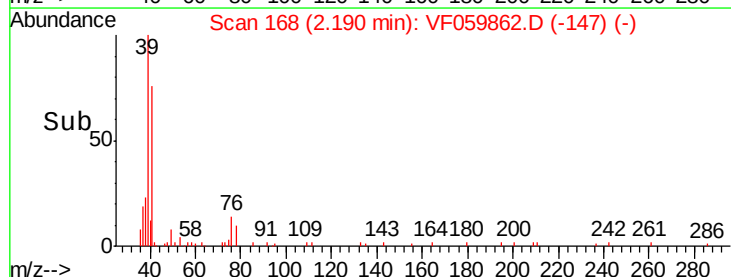
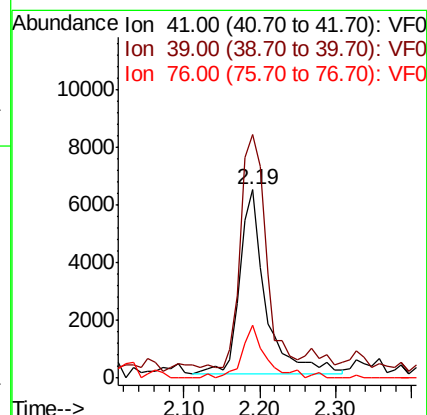
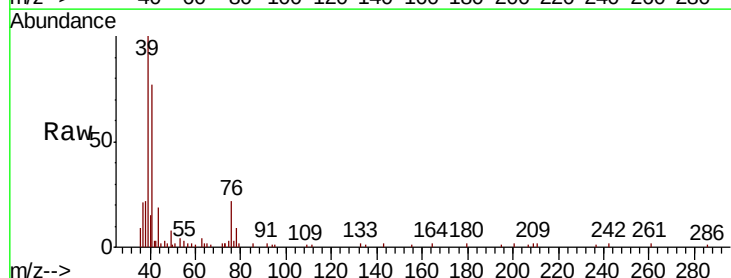
Tgt Ion: 41 Resp: 15025

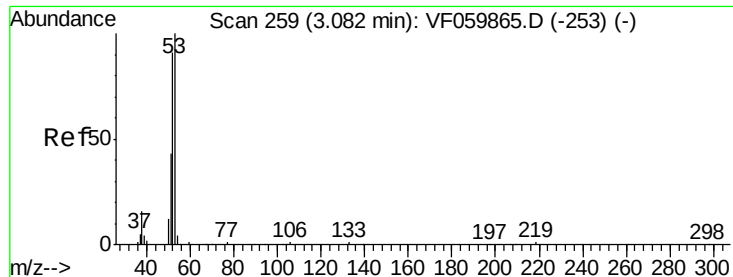
Ion Ratio Lower Upper

41 100

39 129.3 114.6 171.8

76 28.0 21.0 31.4





#15

Acrylonitrile

Concen: 24.791 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

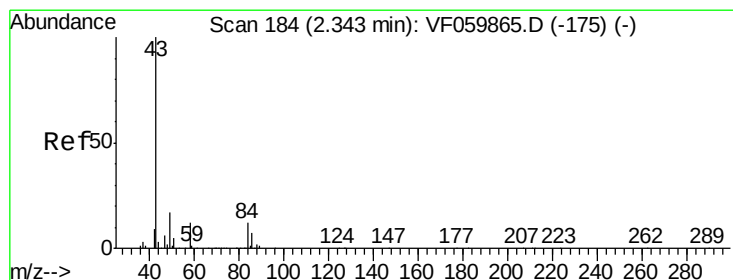
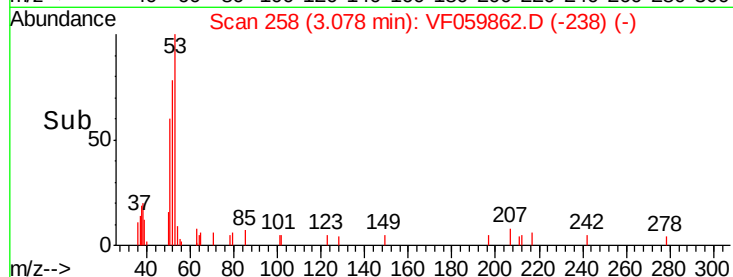
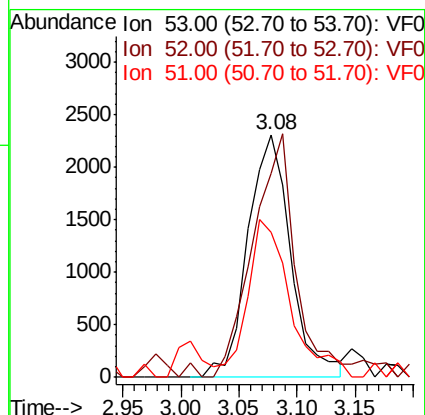
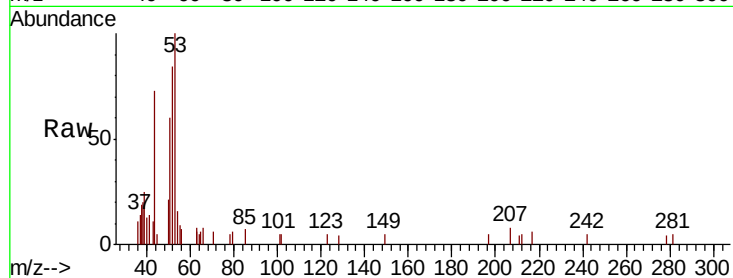
Tot Ion: 53 Resp: 5909

Ion Ratio Lower Upper

53 100

52 84.2 72.9 109.3

51 59.6 34.5 51.7#



#16

Acetone

Concen: 28.401 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059862.D

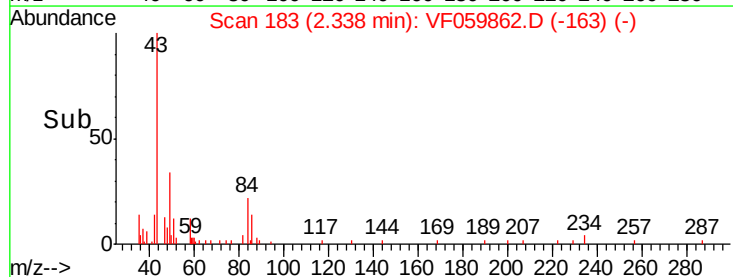
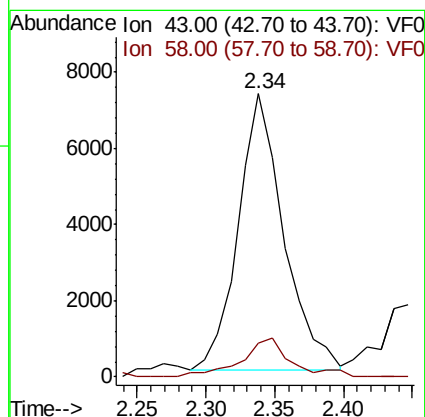
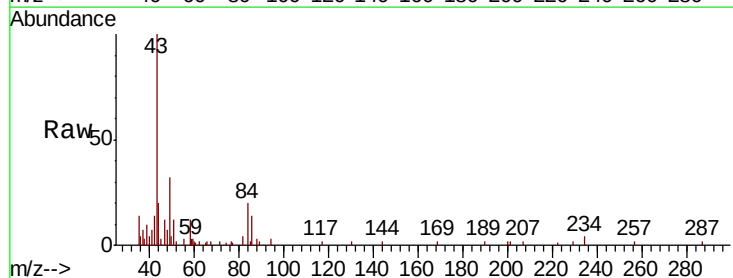
Acq: 4 Aug 2018 3:21

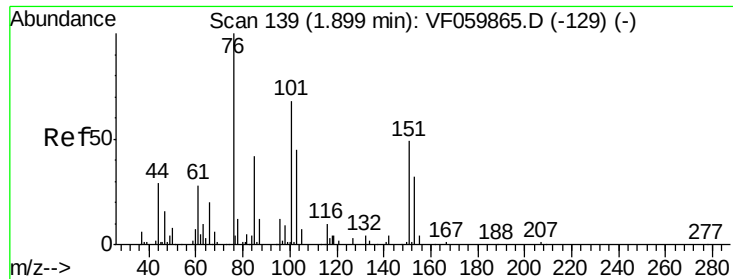
Tgt Ion: 43 Resp: 16769

Ion Ratio Lower Upper

43 100

58 11.8 9.4 14.0

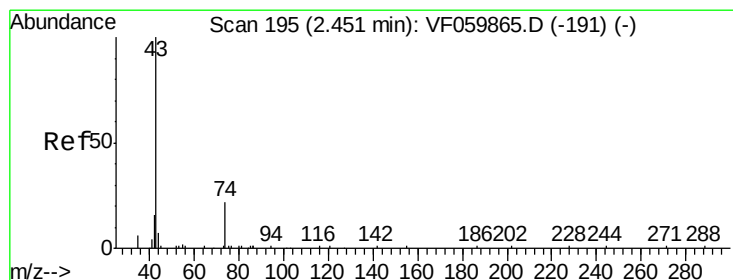
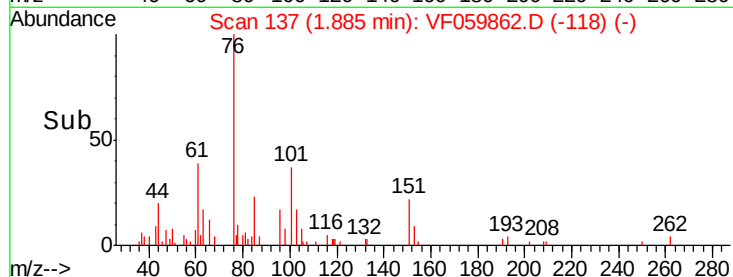
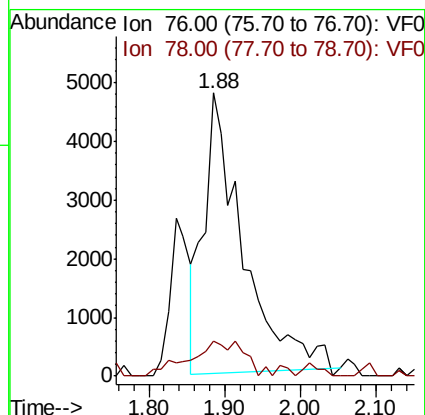
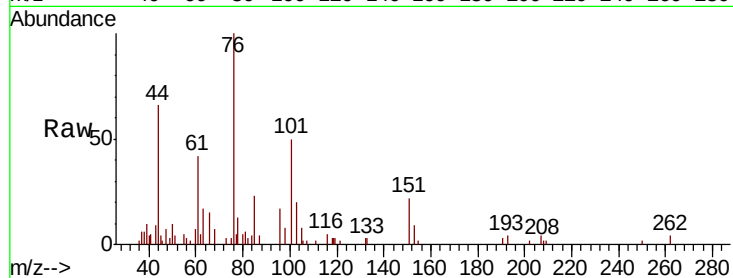




#17
Carbon Disulfide
Concen: 4.670 ug/l
RT: 1.88 min Scan# 137
Delta R.T. -0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

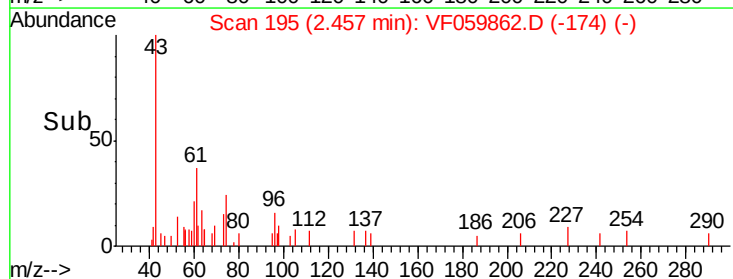
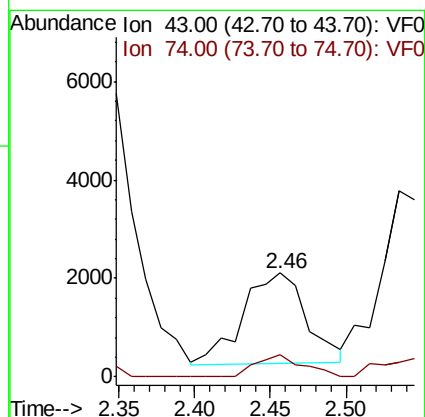
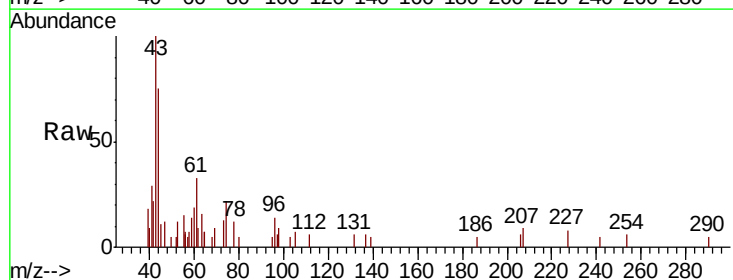
Instrument :
MSVOA_F
ClientSampled :

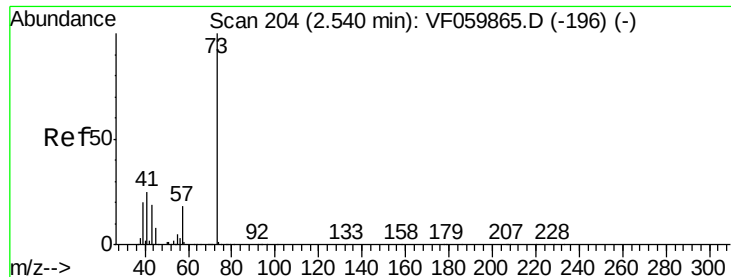
Tot Ion: 76 Resp: 17001
Ion Ratio Lower Upper
76 100
78 12.6 9.3 13.9



#18
Methyl Acetate
Concen: 4.898 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion: 43 Resp: 5401
Ion Ratio Lower Upper
43 100
74 21.9 16.3 24.5



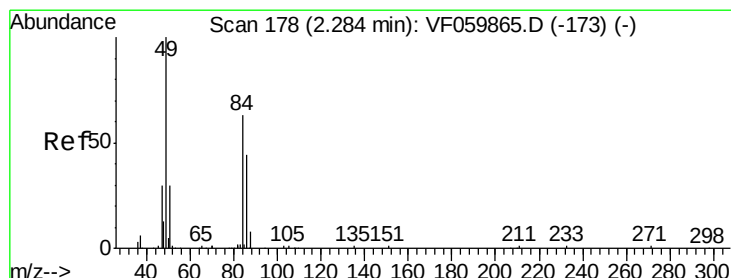
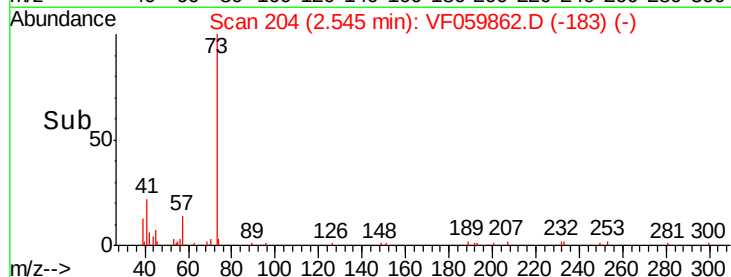
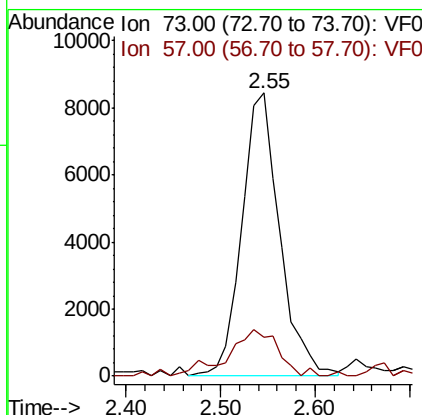
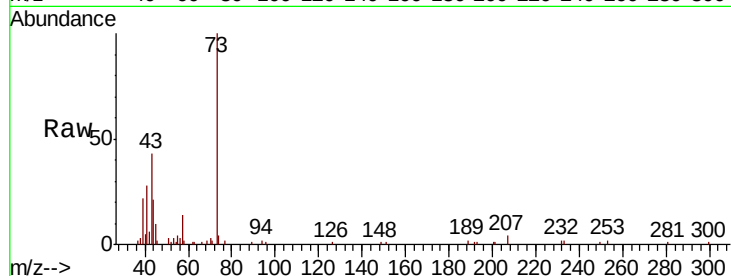


#19

Methyl tert-butyl Ether
 Concen: 5.415 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Instrument :
 MSVOA_F
 ClientSampleId :

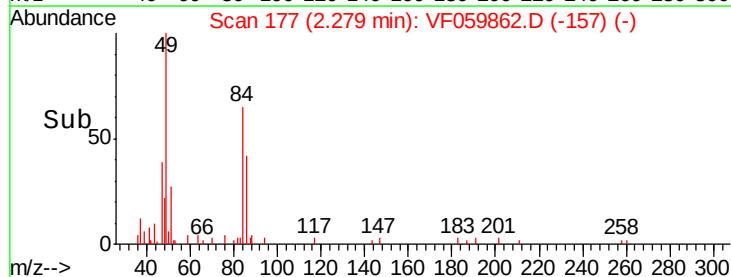
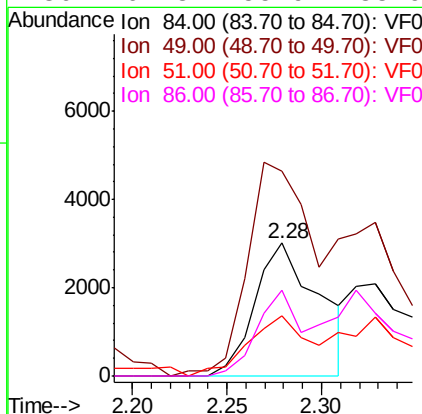
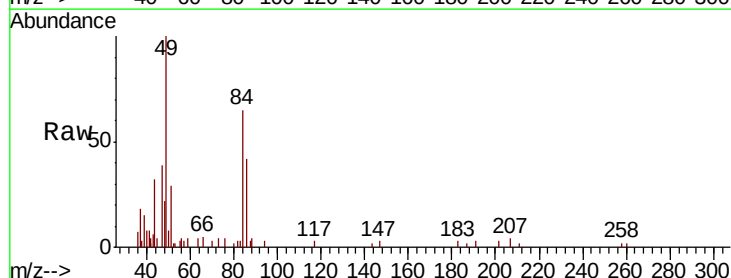
Tot Ion: 73 Resp: 23497
 Ion Ratio Lower Upper
 73 100
 57 13.6 14.3 21.5#

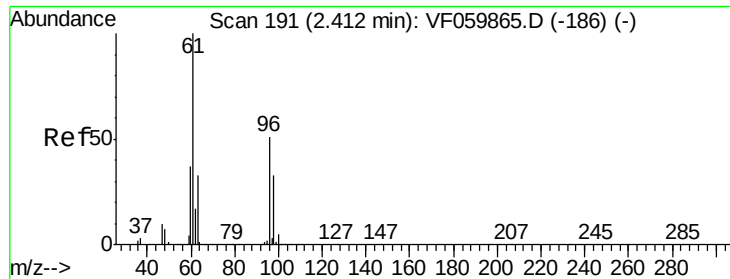


#20

Methylene Chloride
 Concen: 4.202 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion: 84 Resp: 7103
 Ion Ratio Lower Upper
 84 100
 49 154.0 128.7 193.1
 51 45.0 39.3 58.9
 86 64.3 55.9 83.9





#21

trans-1,2-Dichloroethene

Concen: 5.750 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

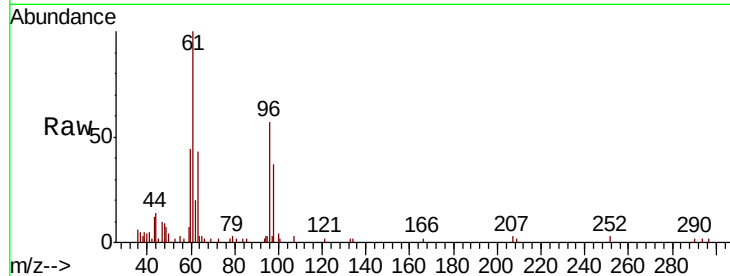
Tot Ion: 96 Resp: 8423

Ion Ratio Lower Upper

96 100

61 177.0 158.2 237.4

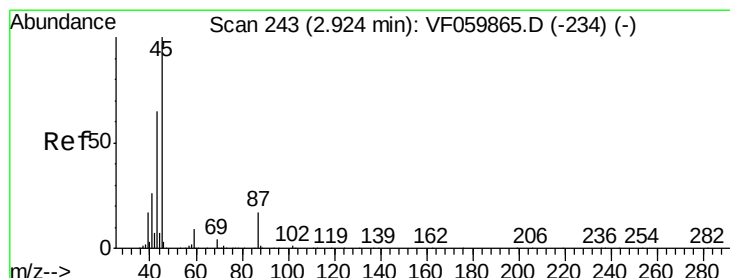
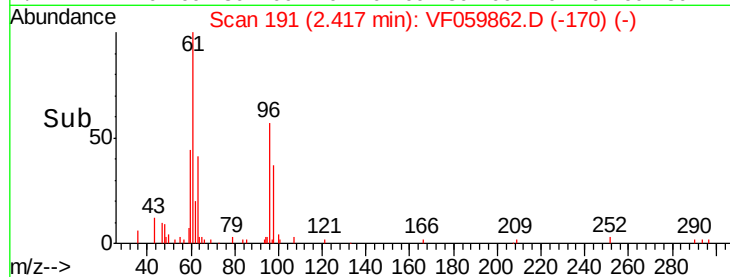
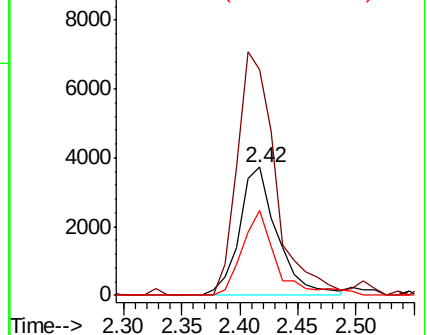
98 65.9 52.0 78.0



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: 5.241 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Tgt Ion: 45 Resp: 25489

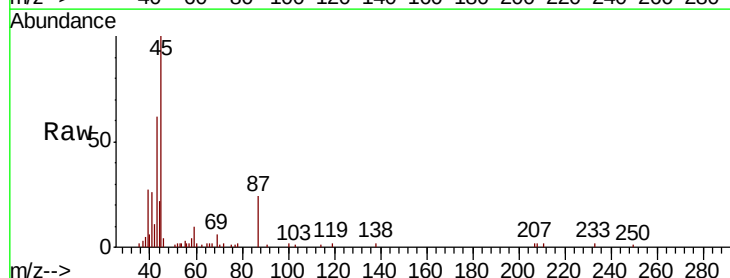
Ion Ratio Lower Upper

45 100

43 62.3 52.1 78.1

87 23.7 13.8 20.8#

59 9.8 7.5 11.3

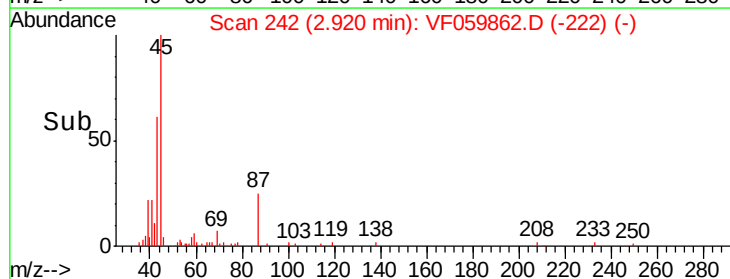
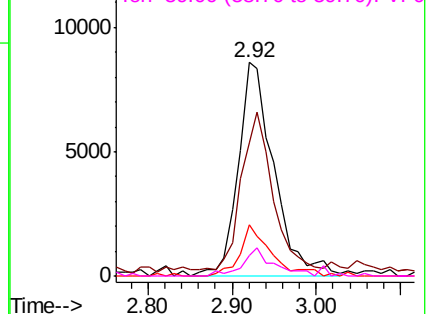


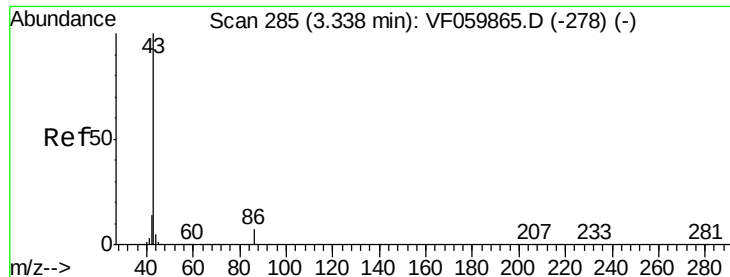
Abundance Ion 45.00 (44.70 to 45.70): VF0

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

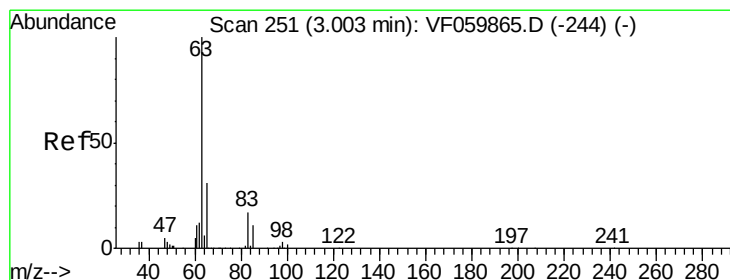
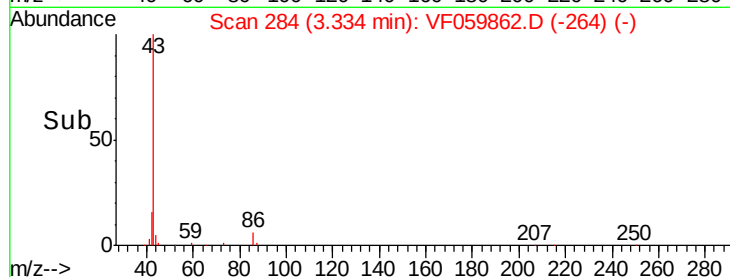
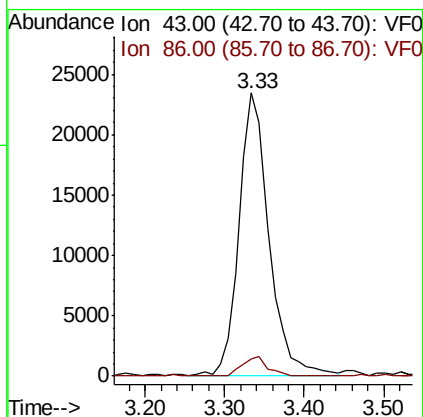
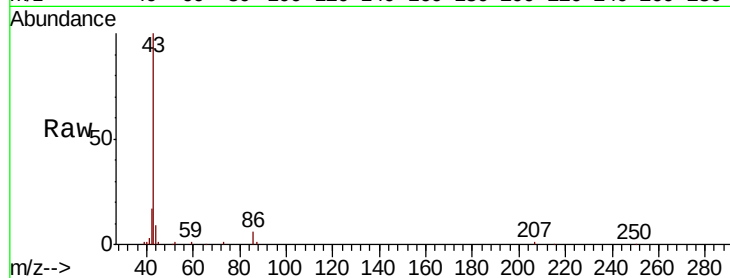




#23
 Vinyl Acetate
 Concen: 24.857 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

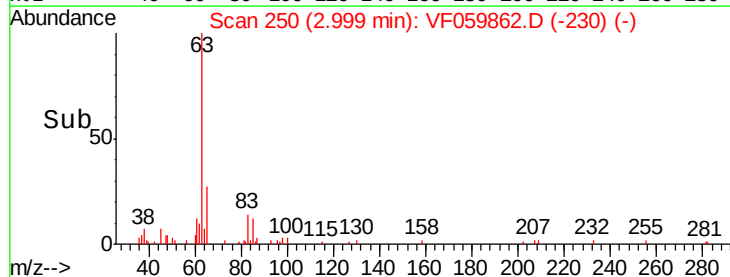
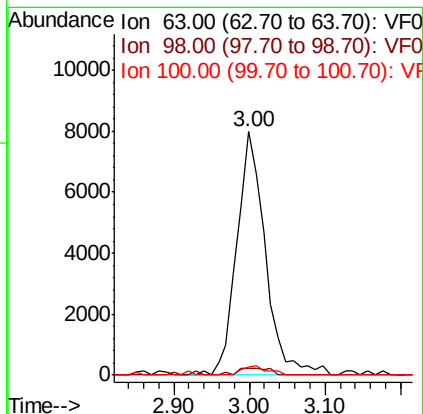
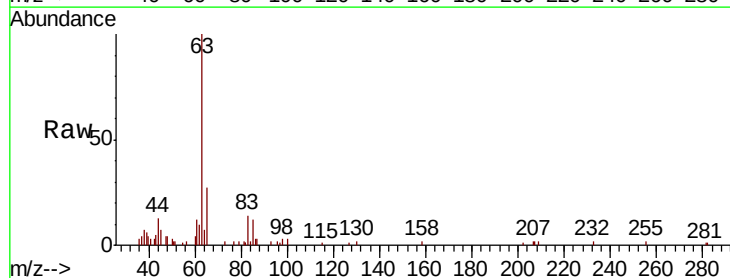
Instrument :
 MSVOA_F
 ClientSampleId :

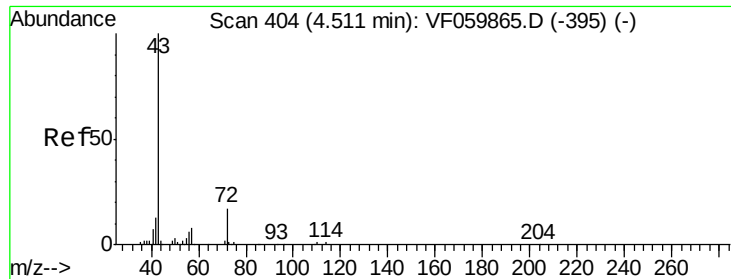
Tot Ion: 43 Resp: 61390
 Ion Ratio Lower Upper
 43 100
 86 6.0 5.6 8.4



#24
 1,1-Dichloroethane
 Concen: 6.114 ug/l
 RT: 3.00 min Scan# 250
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion: 63 Resp: 20844
 Ion Ratio Lower Upper
 63 100
 98 2.7 1.9 5.7
 100 3.1 1.1 3.5





#25

2-Butanone

Concen: 25.376 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

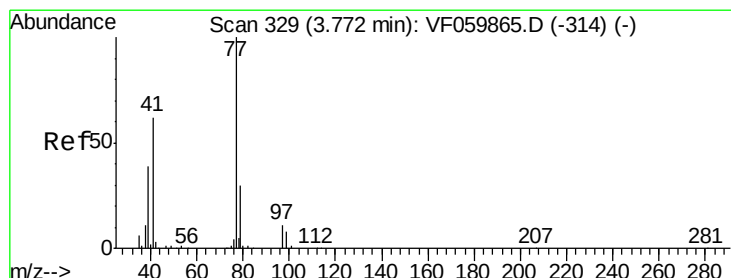
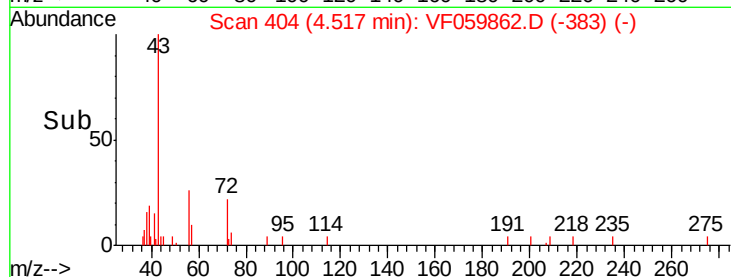
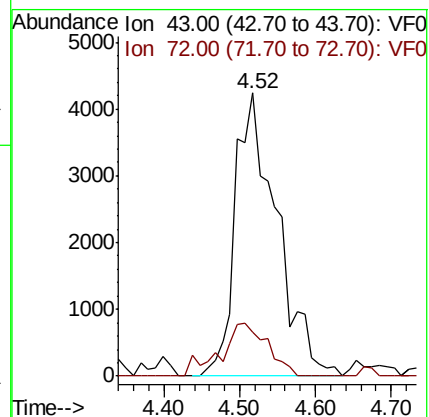
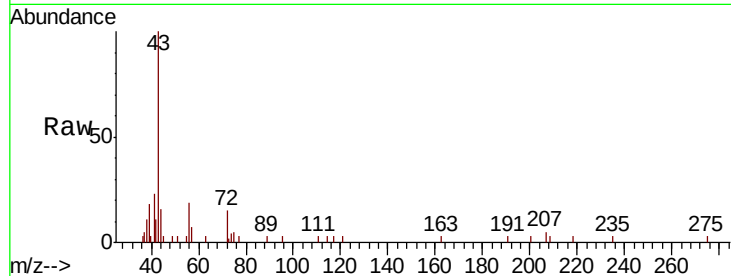
ClientSampleId :

Tot Ion: 43 Resp: 16140

Ion Ratio Lower Upper

43 100

72 15.5 13.9 20.9



#26

2,2-Dichloropropane

Concen: 5.092 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF059862.D

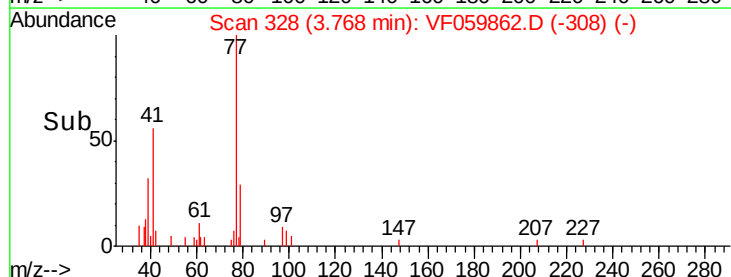
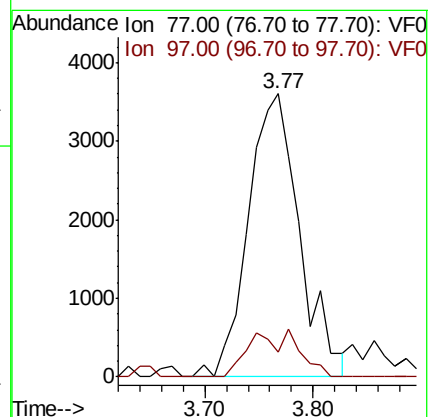
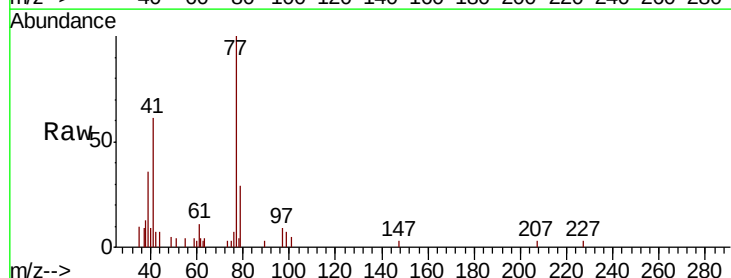
Acq: 4 Aug 2018 3:21

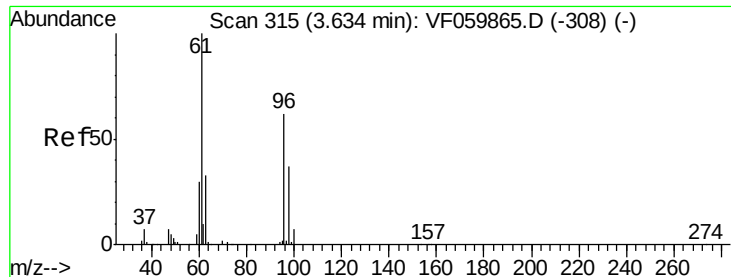
Tgt Ion: 77 Resp: 11950

Ion Ratio Lower Upper

77 100

97 8.6 6.8 20.3



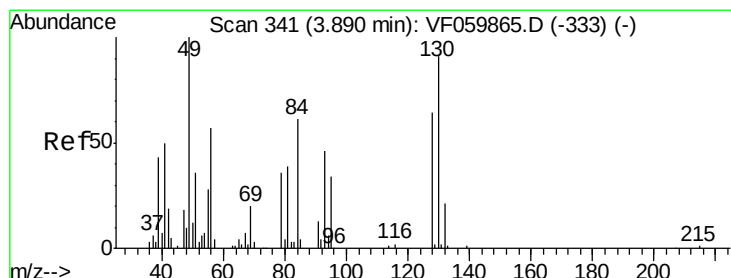
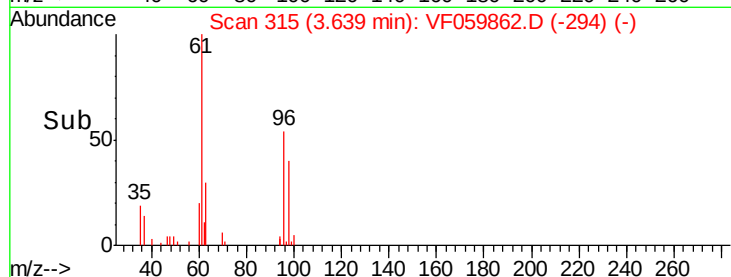
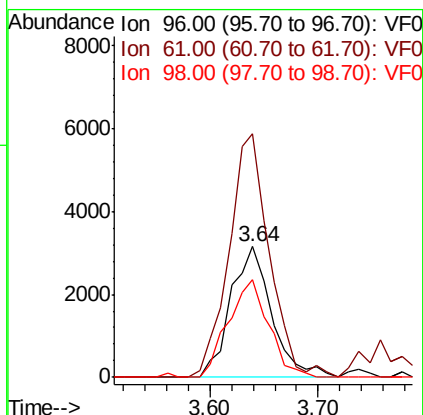
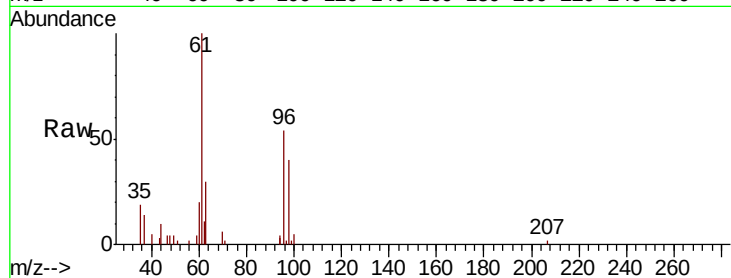


#27

cis-1,2-Dichloroethene
 Concen: 4.626 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Instrument :
 MSVOA_F
 ClientSampleId :

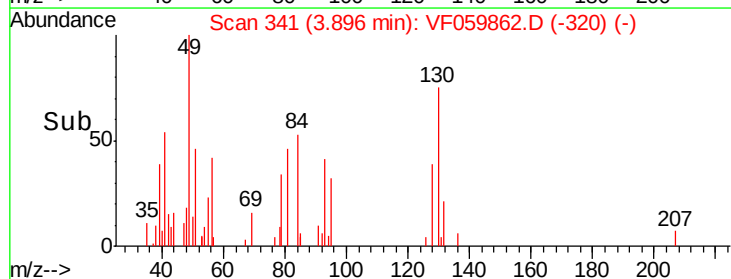
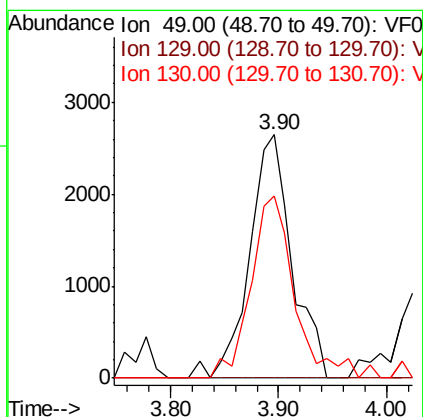
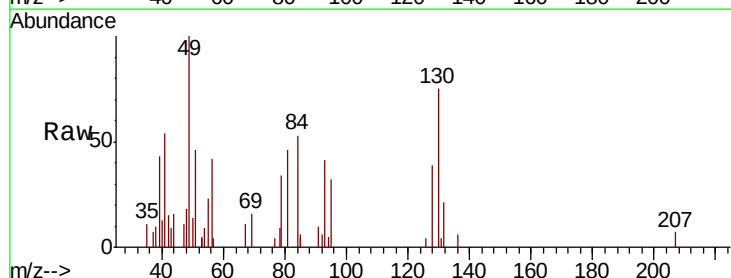
Tot Ion	96	Resp	8310
Ion	Ratio	Lower	Upper
96	100		
61	186.8	0.0	320.8
98	75.4	0.0	117.6

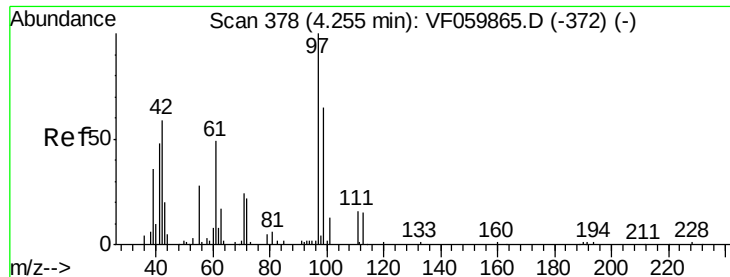


#28

Bromochloromethane
 Concen: 5.473 ug/l
 RT: 3.90 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion	49	Resp	7241
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	74.8	73.8	110.8

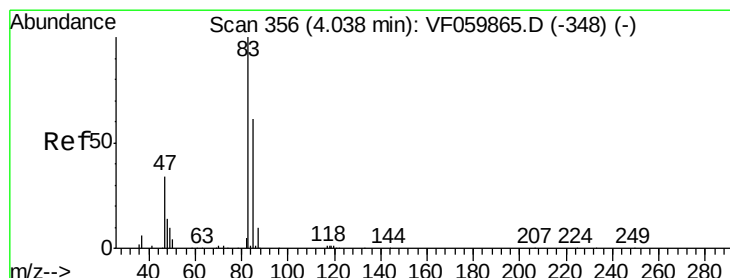
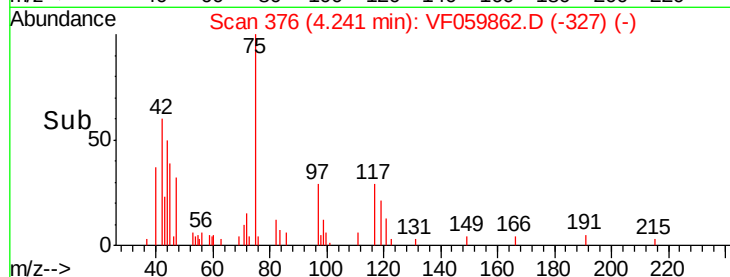
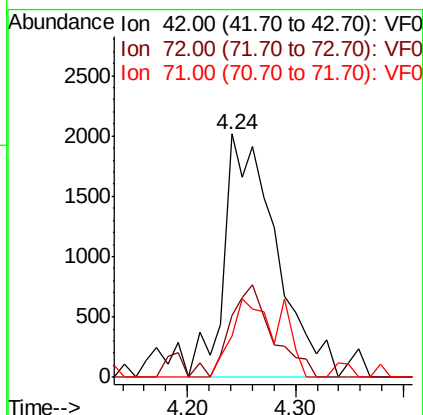
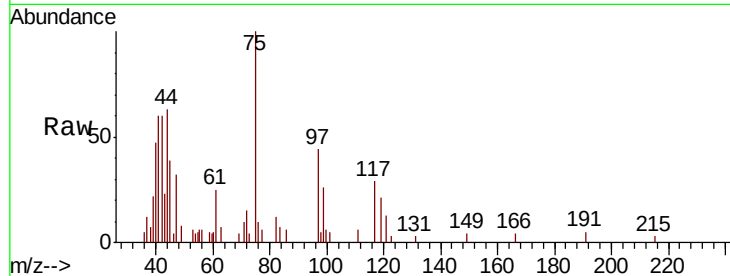




#29
Tetrahydrofuran
Concen: 26.805 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

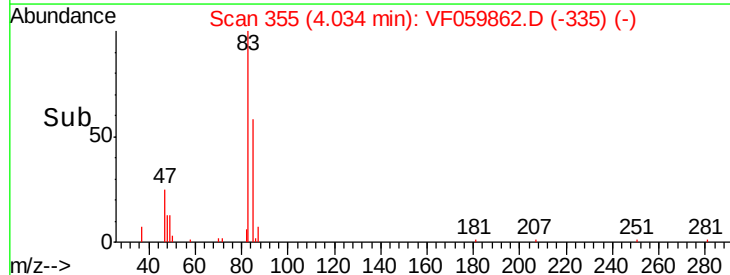
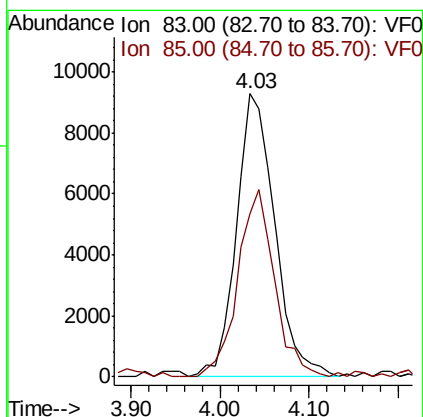
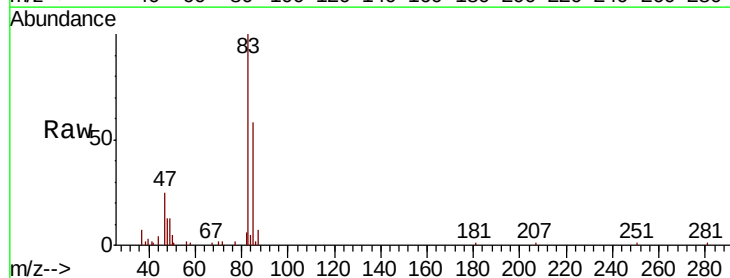
Instrument :
MSVOA_F
ClientSampled :

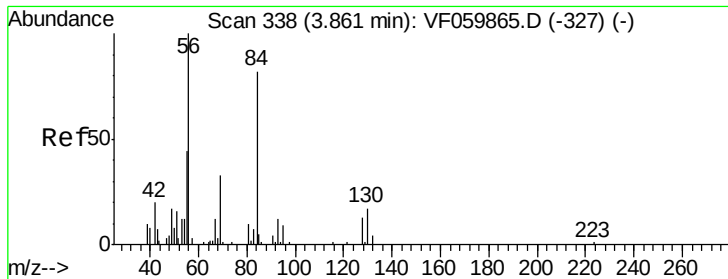
Tot Ion: 42 Resp: 6733
Ion Ratio Lower Upper
42 100
72 30.5 29.3 43.9
71 30.0 30.0 45.0#



#30
Chloroform
Concen: 5.834 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion: 83 Resp: 27741
Ion Ratio Lower Upper
83 100
85 57.8 49.3 73.9

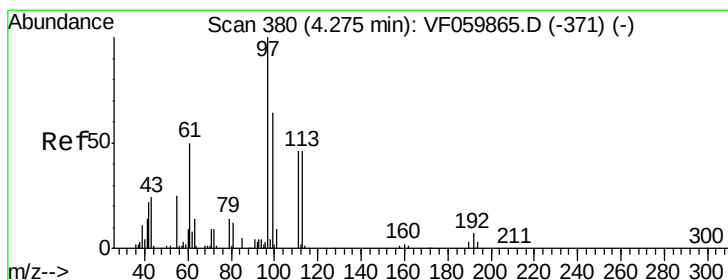
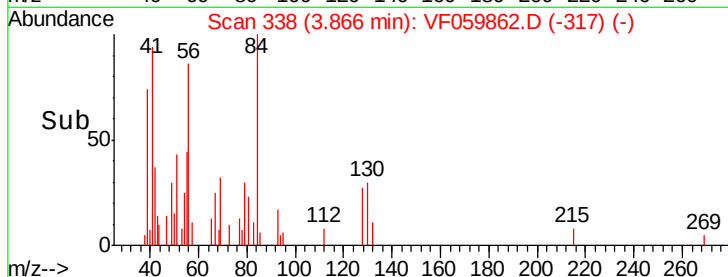
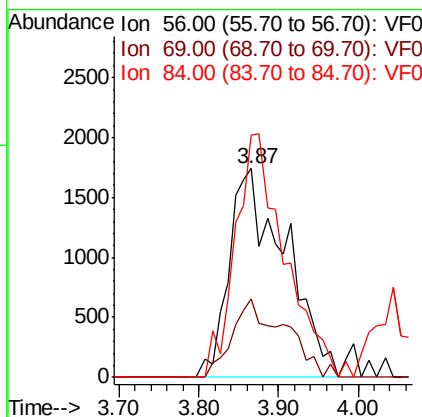
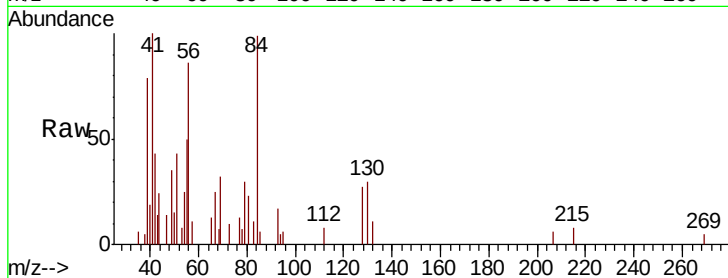




#31
Cyclohexane
Concen: 4.632 ug/l
RT: 3.87 min Scan# 338
Delta R.T. 0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

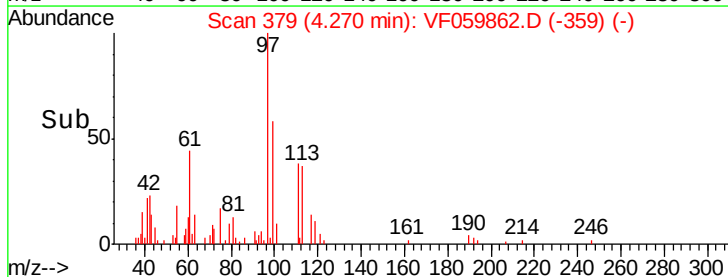
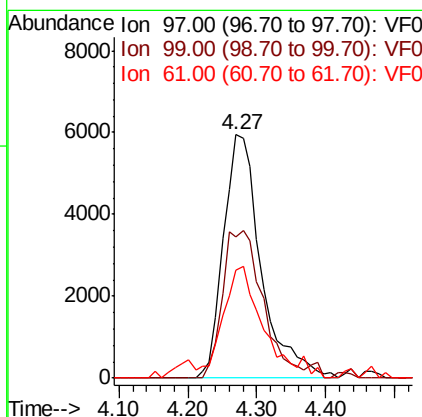
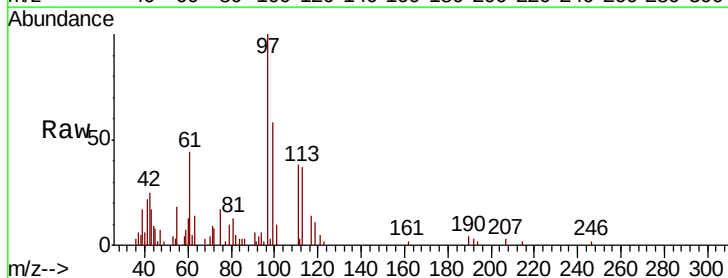
Instrument :
MSVOA_F
ClientSampled :

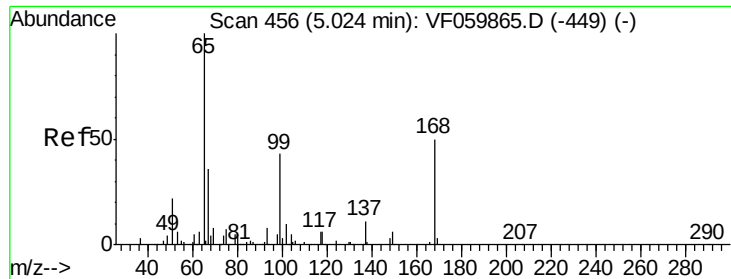
Tot Ion: 56 Resp: 8563
Ion Ratio Lower Upper
56 100
69 37.7 26.7 40.1
84 116.1 65.9 98.9#



#32
1,1,1-Trichloroethane
Concen: 6.045 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion: 97 Resp: 22535
Ion Ratio Lower Upper
97 100
99 58.2 51.4 77.2
61 44.3 40.8 61.2

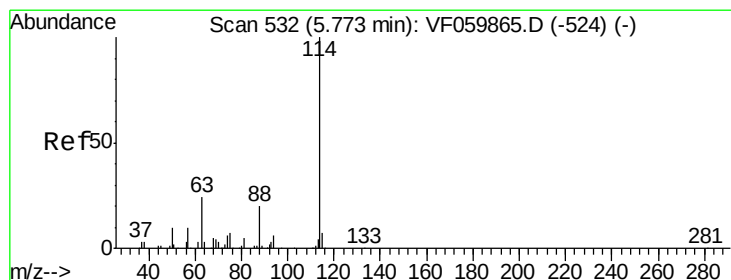
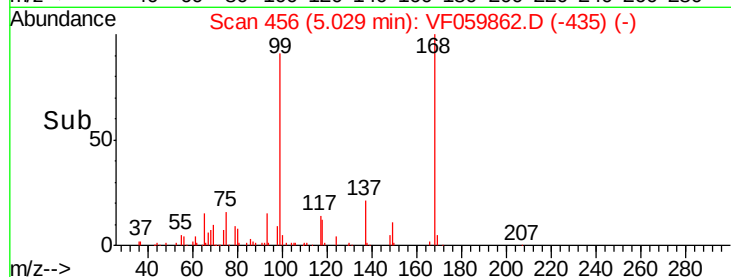
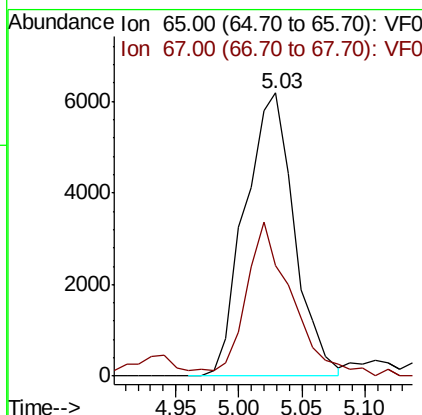
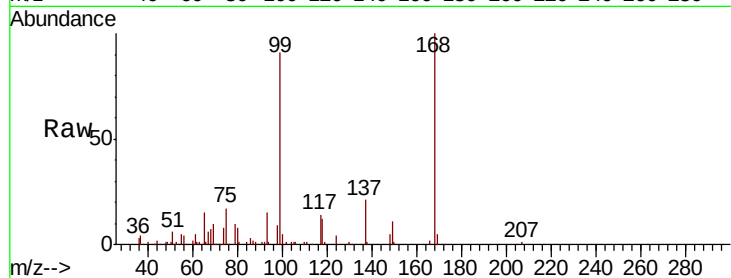




#33
 1,2-Dichloroethane-d4
 Concen: 5.108 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

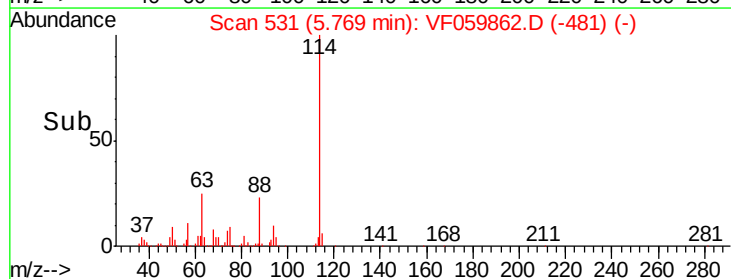
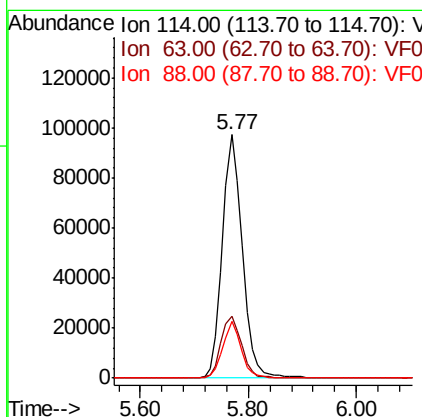
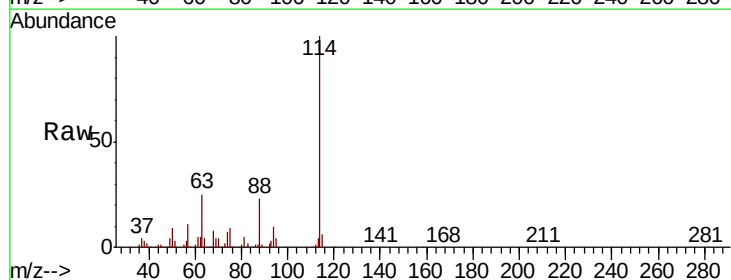
Instrument :
 MSVOA_F
 ClientSampleId :

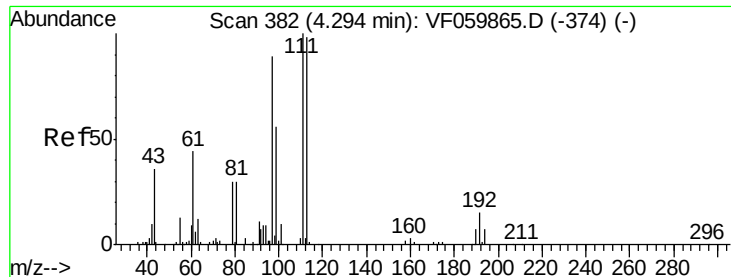
Tot Ion: 65 Resp: 16809
 Ion Ratio Lower Upper
 65 100
 67 38.9 0.0 77.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion:114 Resp: 250389
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 48.0
 88 23.3 0.0 39.4





#35

Dibromofluoromethane

Concen: 5.337 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

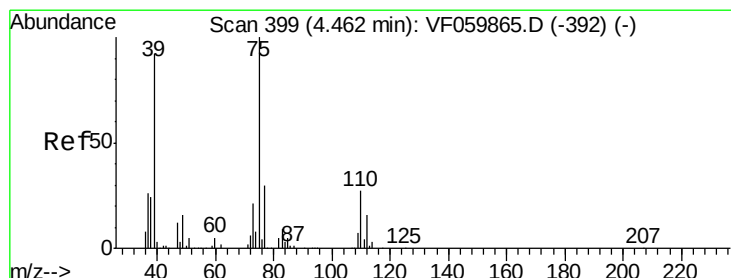
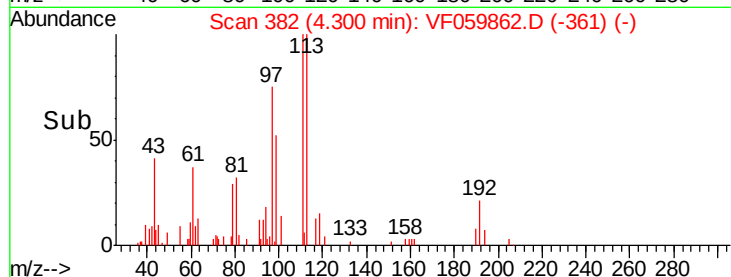
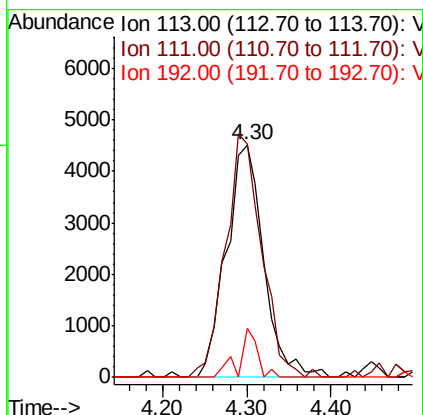
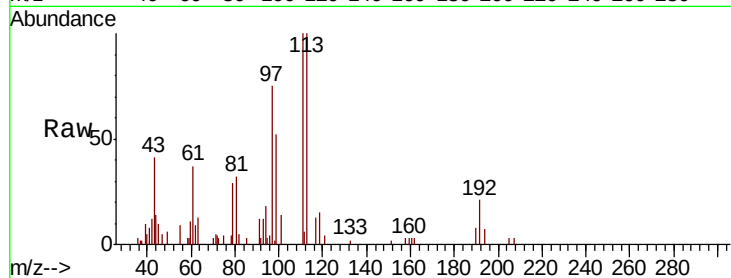
Tot Ion:113 Resp: 13979

Ion Ratio Lower Upper

113 100

111 100.2 81.8 122.8

192 21.2 12.4 18.6#



#36

1,1-Dichloropropene

Concen: 5.258 ug/l

RT: 4.46 min Scan# 398

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

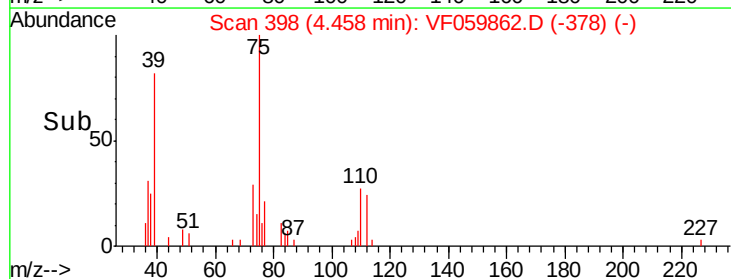
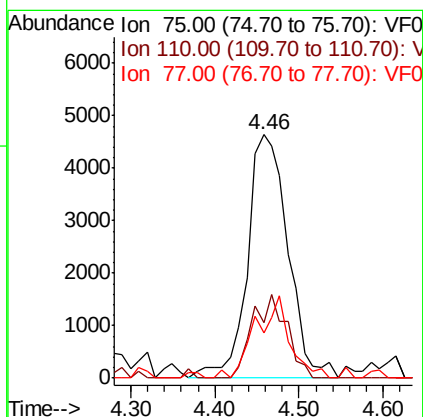
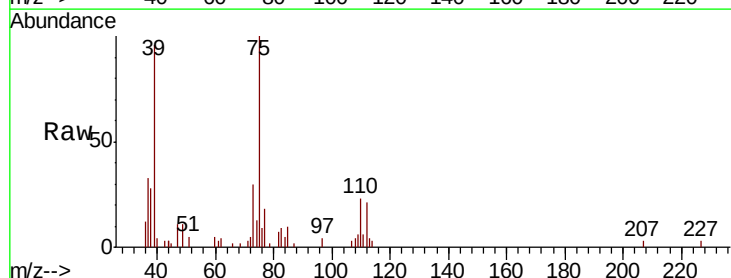
Tgt Ion: 75 Resp: 15664

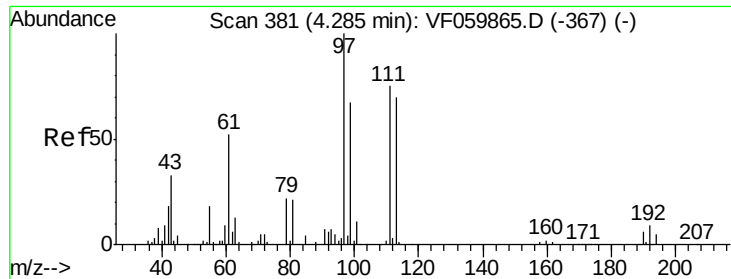
Ion Ratio Lower Upper

75 100

110 22.7 13.6 40.7

77 18.4 23.7 35.5#





#37

Ethyl Acetate

Concen: 4.418 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.02 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :
MSVOA_F
ClientSampled :

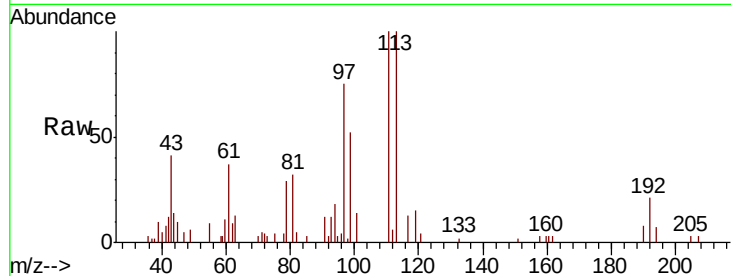
Tot Ion: 43 Resp: 6405

Ion Ratio Lower Upper

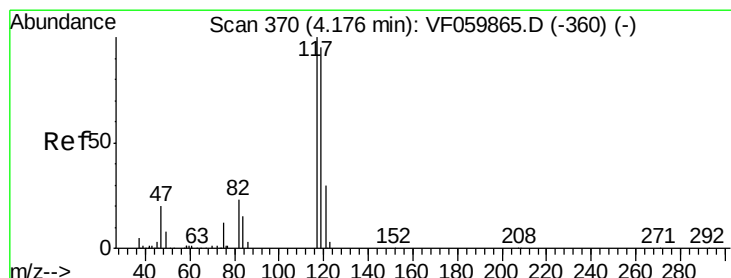
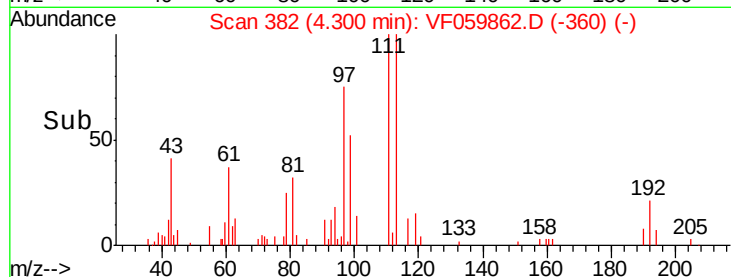
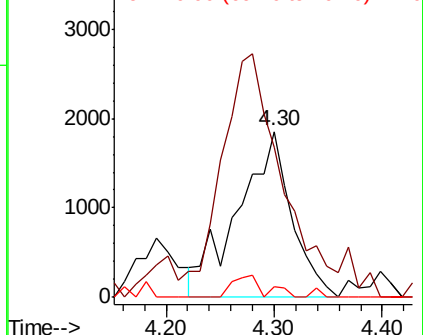
43 100

61 90.7 123.7 185.5#

70 6.7 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: 6.570 ug/l

RT: 4.16 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

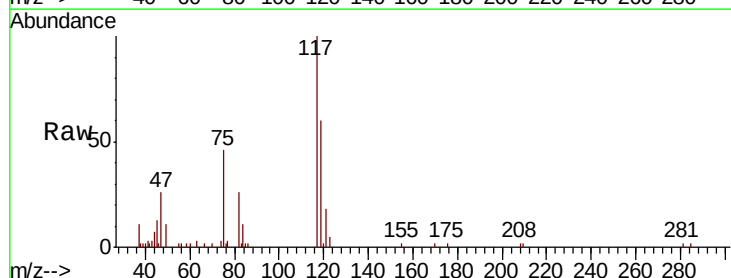
Tgt Ion: 117 Resp: 26840

Ion Ratio Lower Upper

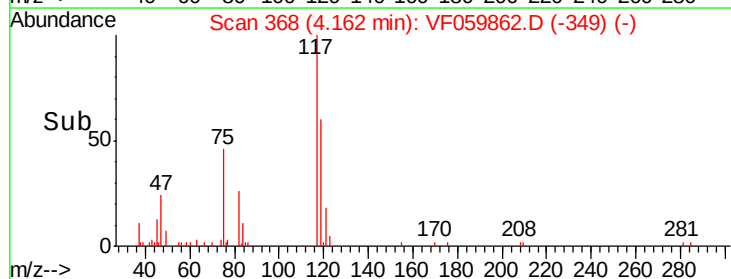
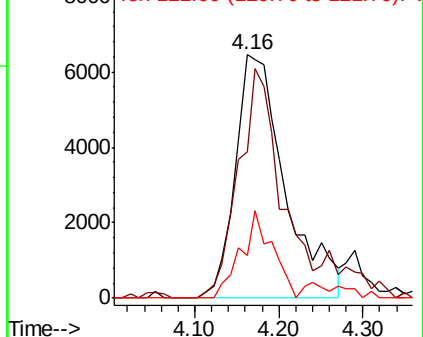
117 100

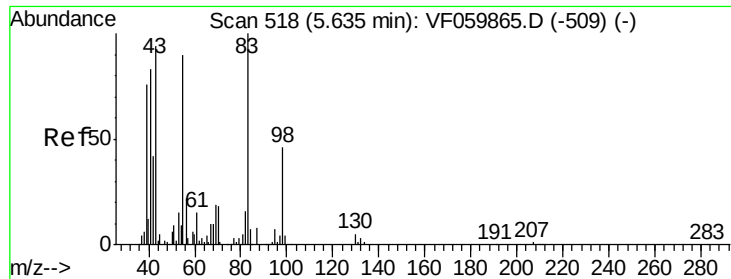
119 60.2 76.5 114.7#

121 17.7 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

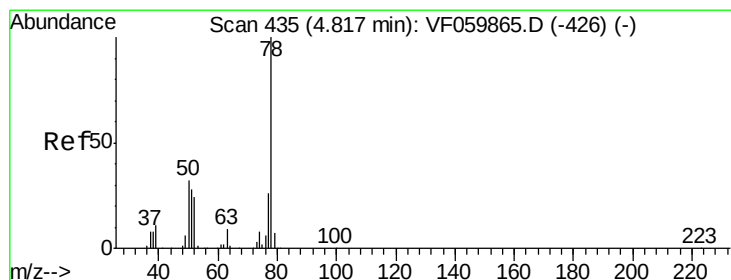
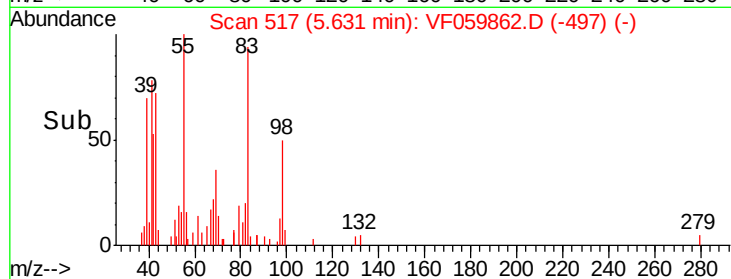
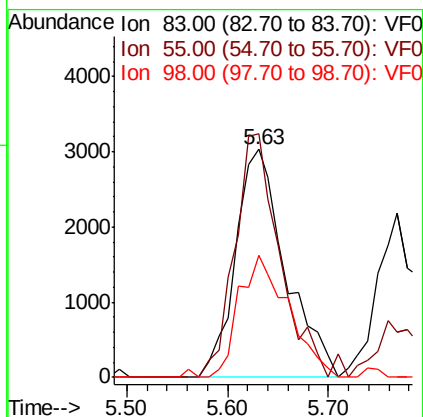
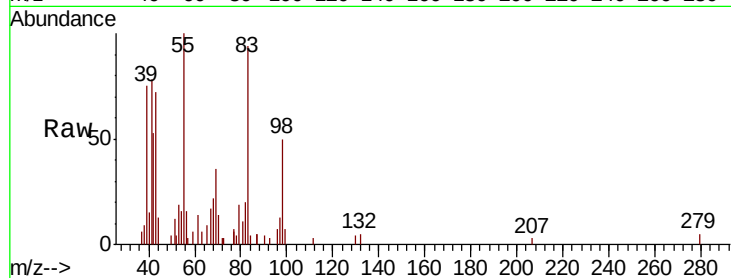




#39
Methylvlcyclohexane
Concen: 4.669 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

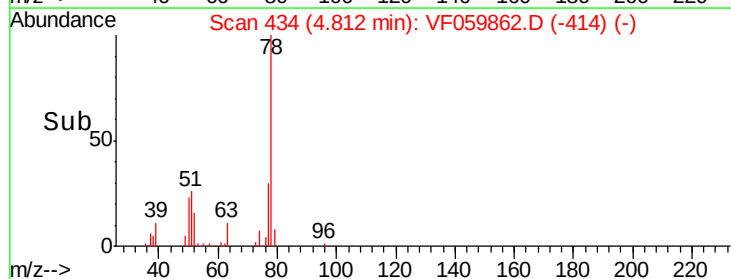
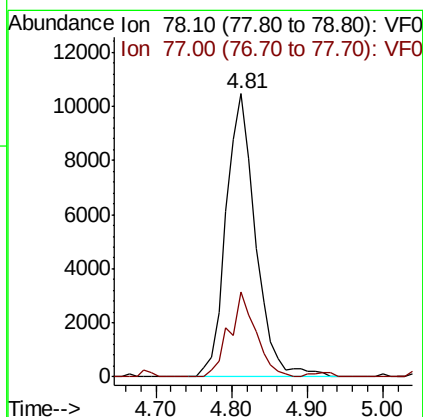
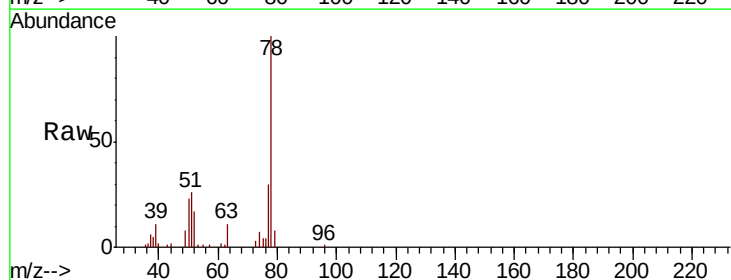
Instrument :
MSVOA_F
ClientSampled :

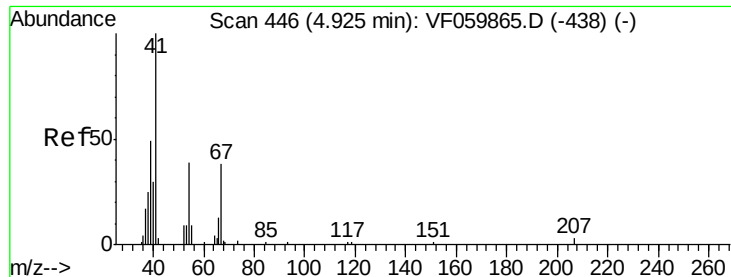
Tot Ion: 83 Resp: 10495
Ion Ratio Lower Upper
83 100
55 106.8 72.0 108.0
98 53.3 36.6 54.8



#40
Benzene
Concen: 5.465 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion: 78 Resp: 28255
Ion Ratio Lower Upper
78 100
77 29.8 20.7 31.1

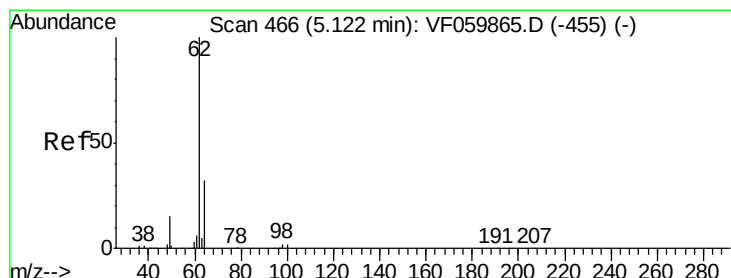
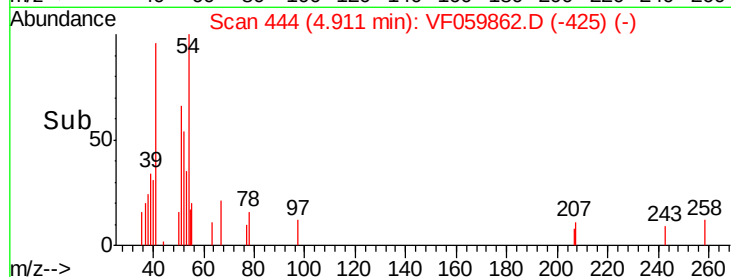
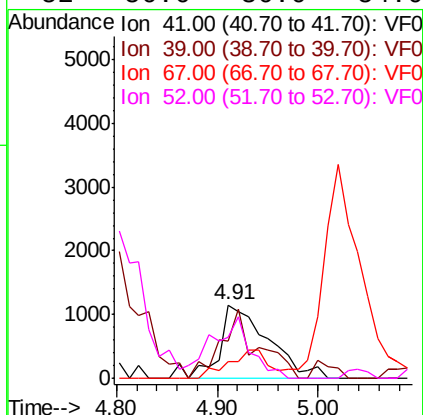
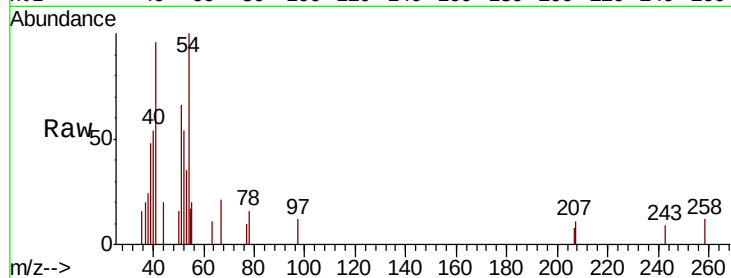




#41
Methacrylonitrile
Concen: 5.289 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

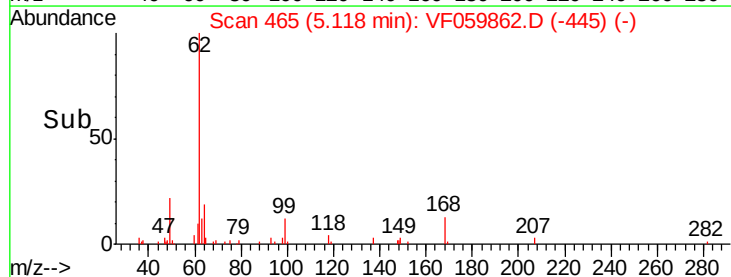
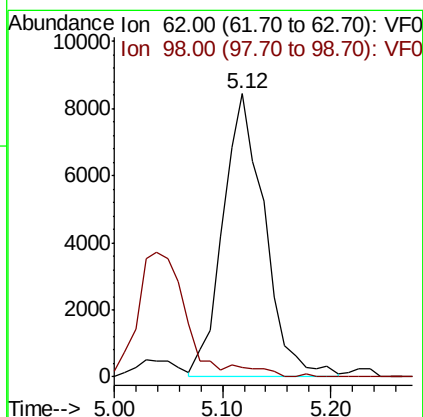
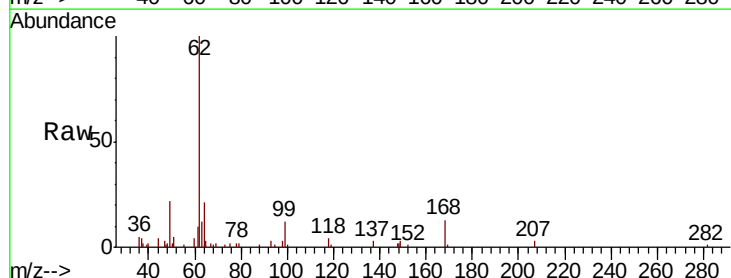
Instrument :
MSVOA_F
ClientSampled :

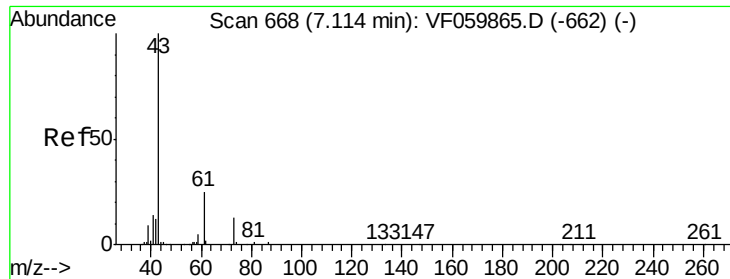
Tot Ion: 41 Resp: 3768
Ion Ratio Lower Upper
41 100
39 50.0 55.1 82.7#
67 22.3 30.3 45.5#
52 56.6 36.0 54.0#



#42
1,2-Dichloroethane
Concen: 6.126 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion: 62 Resp: 22615
Ion Ratio Lower Upper
62 100
98 3.4 0.0 7.6





#43

Isopropyl Acetate

Concen: 3.983 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

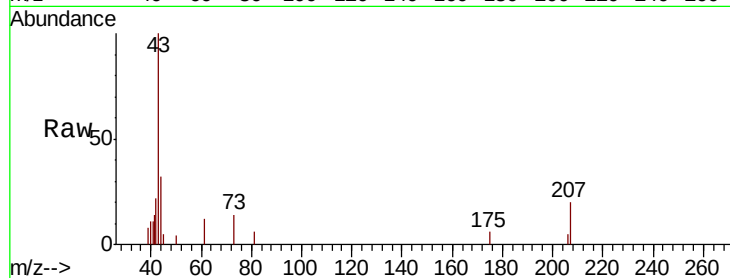
Tot Ion: 43 Resp: 5918

Ion Ratio Lower Upper

43 100

61 12.3 20.3 30.5#

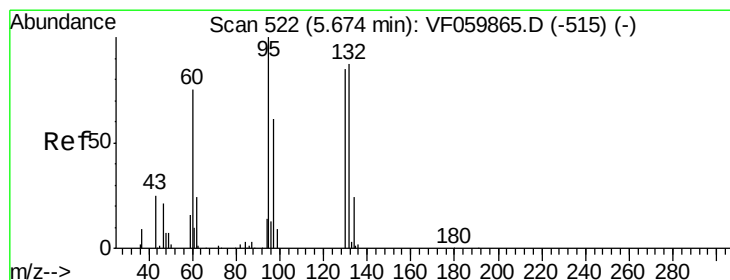
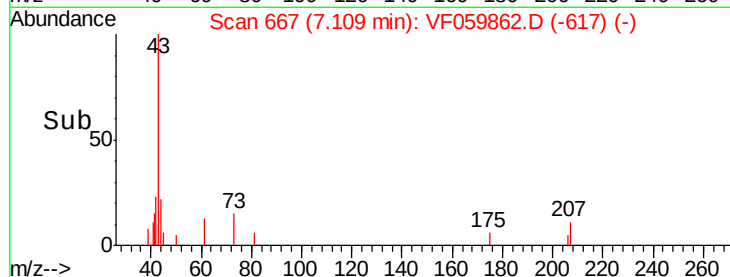
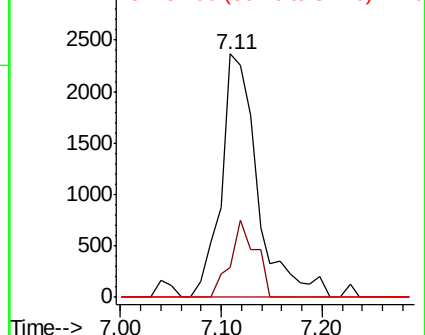
87 0.0 0.7 1.1#



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: 5.029 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.00 min

Lab File: VF059862.D

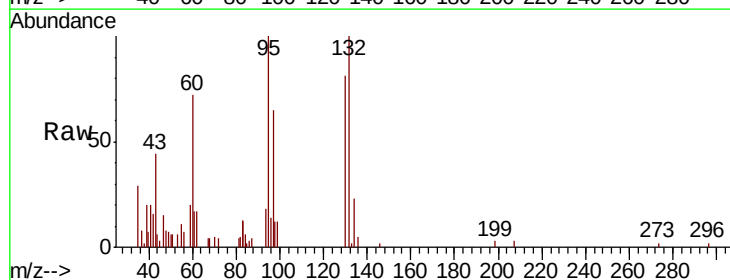
Acq: 4 Aug 2018 3:21

Tgt Ion:130 Resp: 10080

Ion Ratio Lower Upper

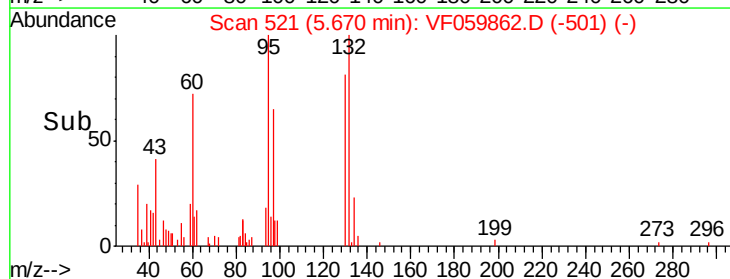
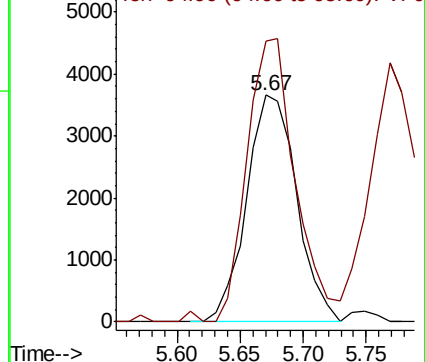
130 100

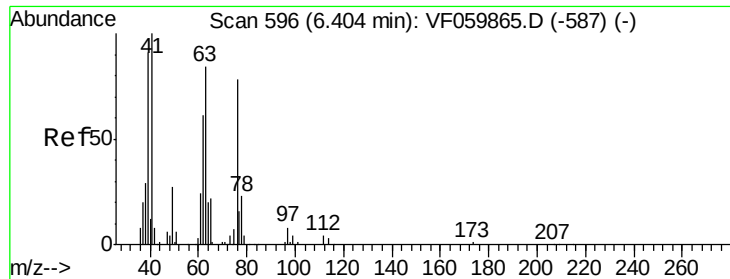
95 123.7 0.0 236.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

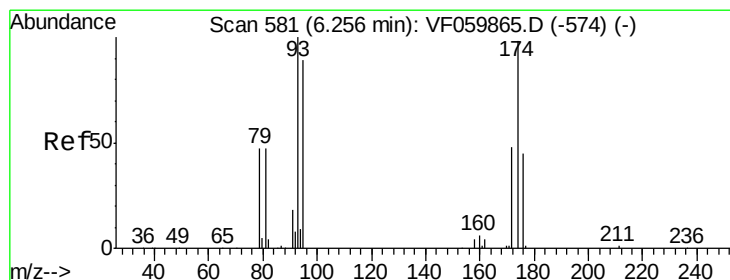
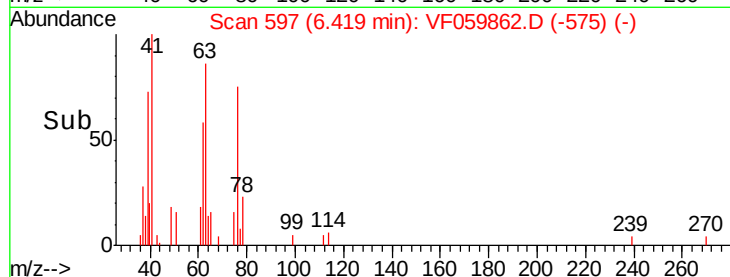
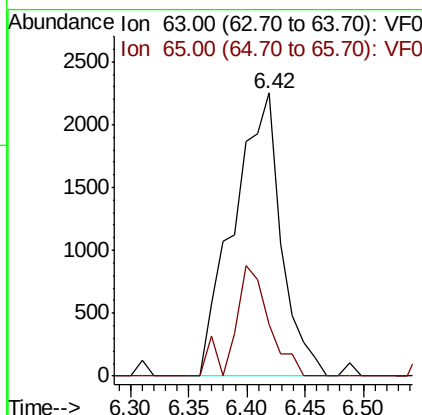
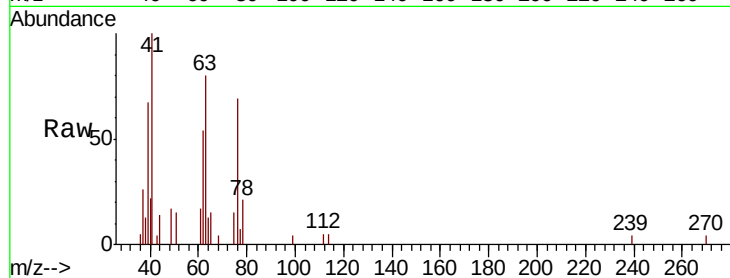




#45
 1,2-Dichloropropane
 Concen: 4.685 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. 0.02 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

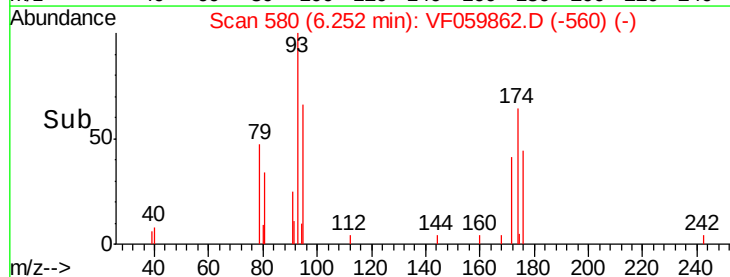
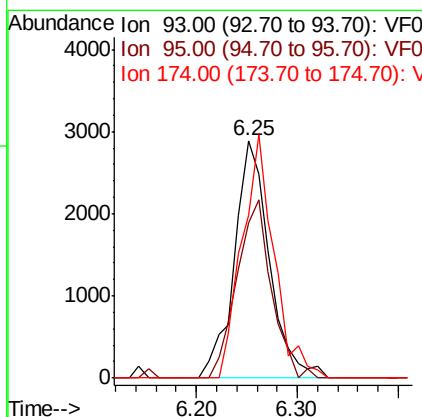
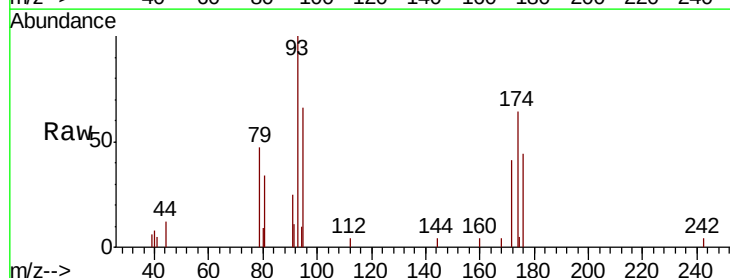
Instrument :
 MSVOA_F
 ClientSampled :

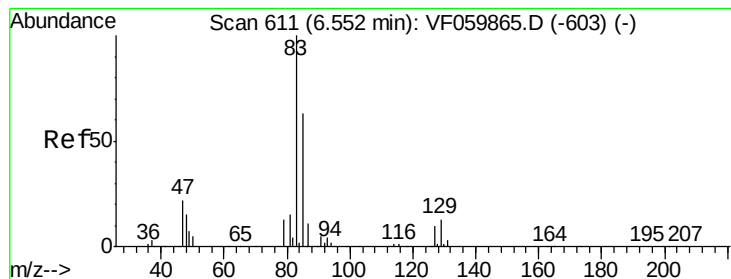
Tot Ion: 63 Resp: 6363
 Ion Ratio Lower Upper
 63 100
 65 18.3 20.4 30.6#



#46
 Dibromomethane
 Concen: 5.399 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion: 93 Resp: 6982
 Ion Ratio Lower Upper
 93 100
 95 65.7 71.4 107.2#
 174 68.8 78.1 117.1#





#47

Bromodichloromethane

Concen: 5.622 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampled :

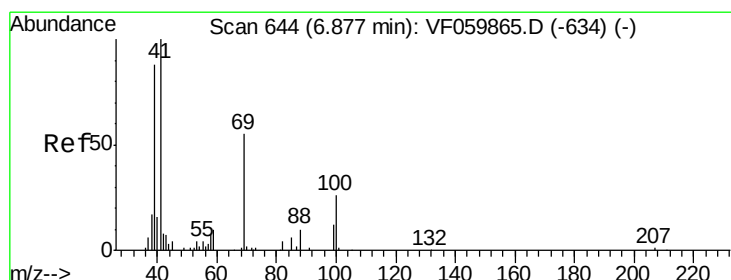
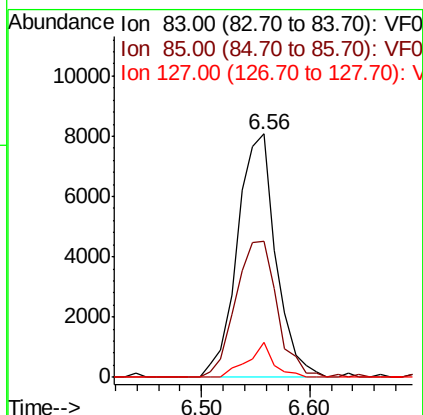
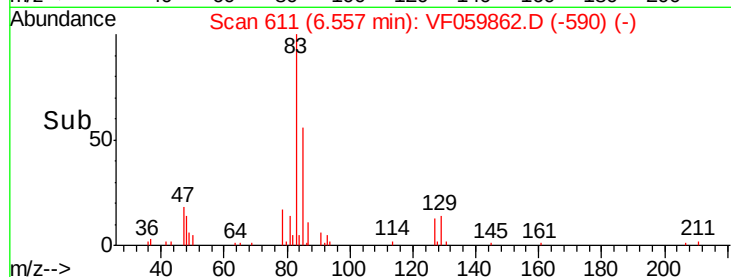
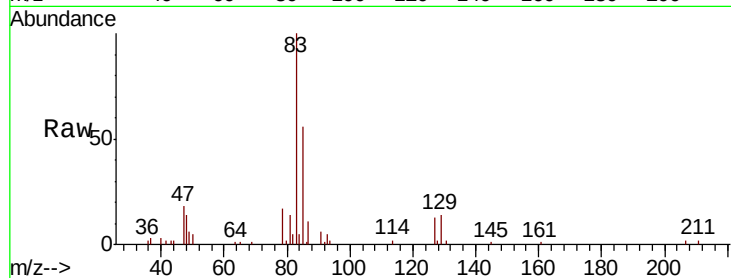
Tot Ion: 83 Resp: 19935

Ion Ratio Lower Upper

83 100

85 55.8 50.7 76.1

127 14.4 8.0 12.0#



#48

Methyl methacrylate

Concen: 3.438 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

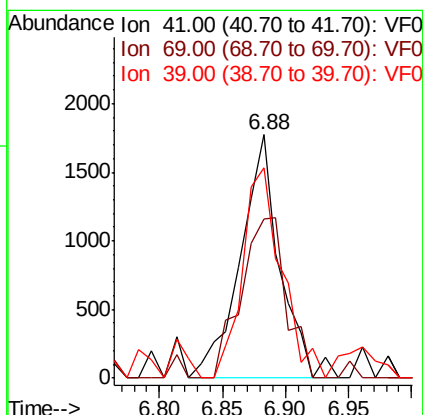
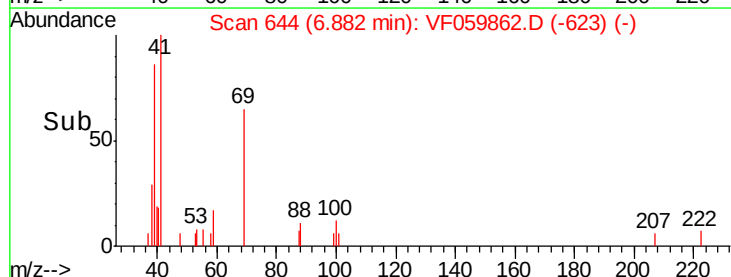
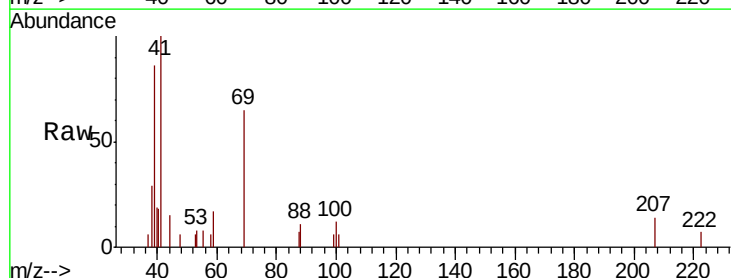
Tgt Ion: 41 Resp: 3867

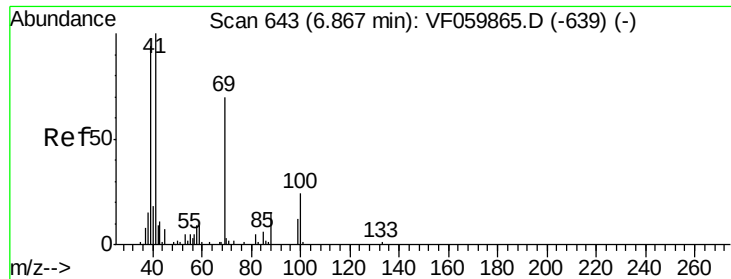
Ion Ratio Lower Upper

41 100

69 65.4 44.4 66.6

39 86.2 70.6 106.0

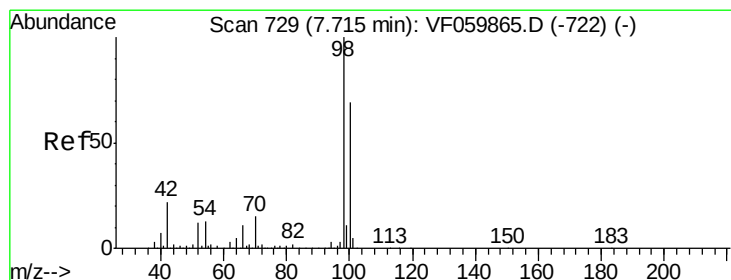
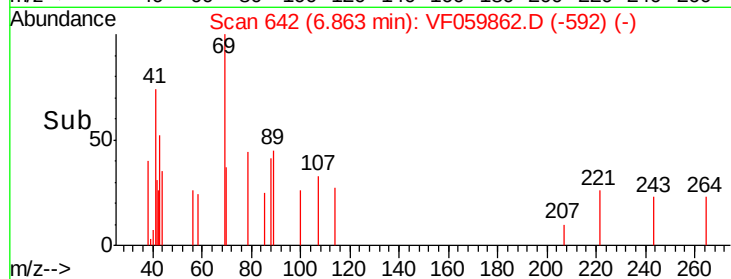
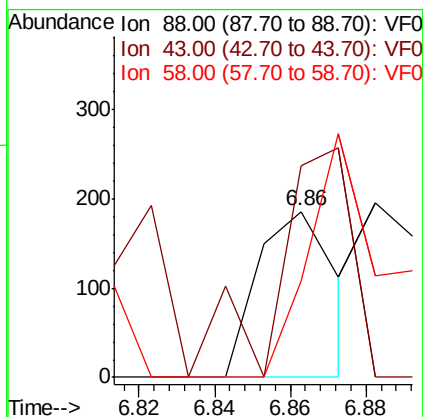
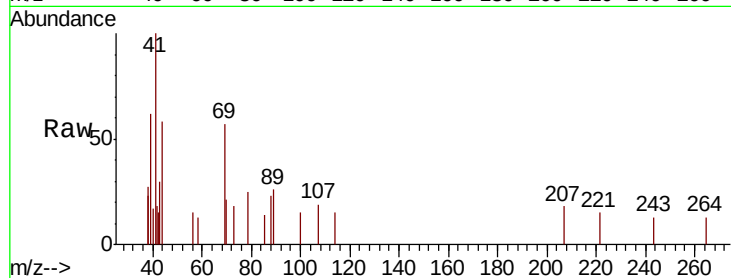




#49
1,4-Dioxane
Concen: 30.564 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

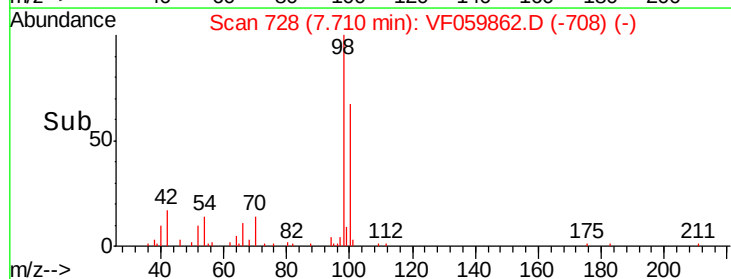
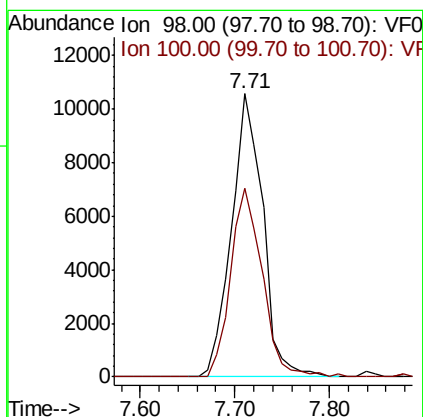
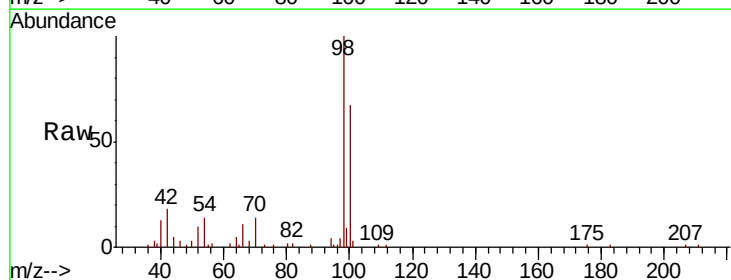
Instrument :
MSVOA_F
ClientSampleId :

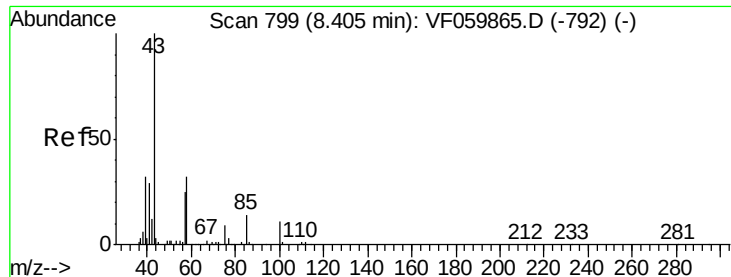
Tot Ion: 88 Resp: 265
Ion Ratio Lower Upper
88 100
43 127.4 58.3 87.5#
58 58.1 49.4 74.2



#50
Toluene-d8
Concen: 4.009 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion: 98 Resp: 24268
Ion Ratio Lower Upper
98 100
100 66.6 55.0 82.6





#51

4-Methyl-2-Pentanone

Concen: 25.298 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

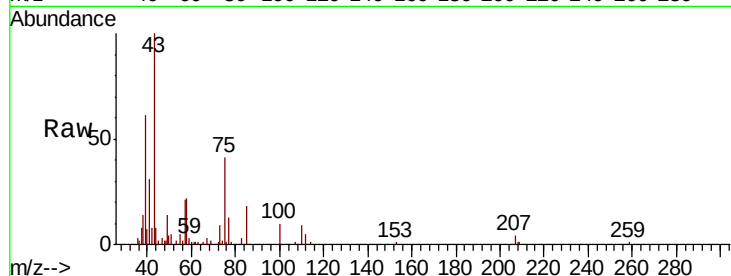
ClientSampled :

Tot Ion: 43 Resp: 29892

Ion Ratio Lower Upper

43 100

58 21.8 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

12000

10000

8000

6000

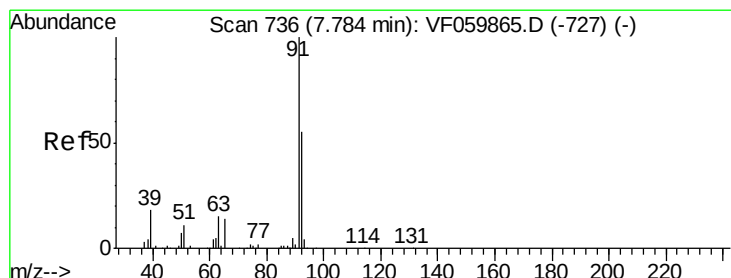
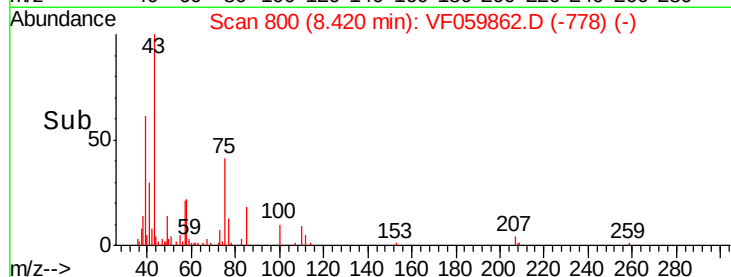
4000

2000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 4.656 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059862.D

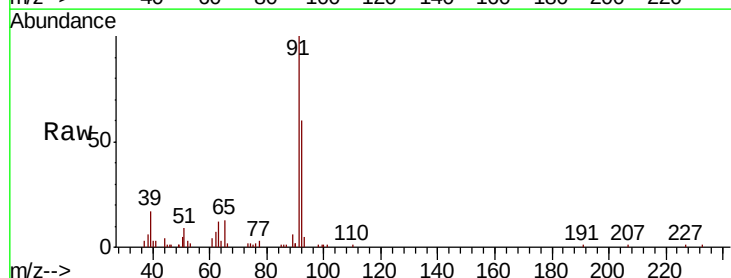
Acq: 4 Aug 2018 3:21

Tgt Ion: 92 Resp: 17864

Ion Ratio Lower Upper

92 100

91 168.0 145.7 218.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

15000

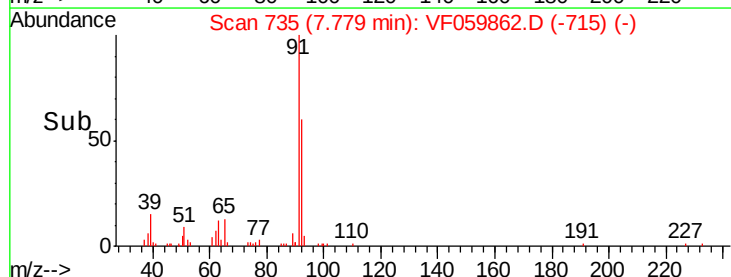
10000

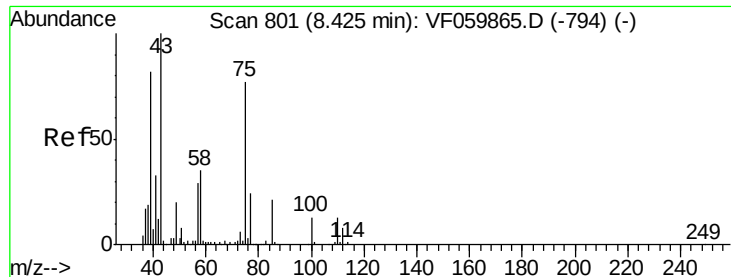
5000

0

7.70 7.80 7.90

Time-->

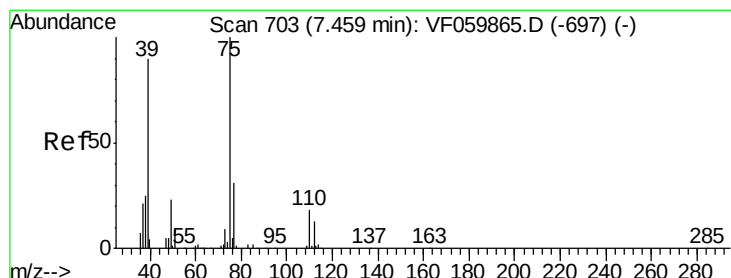
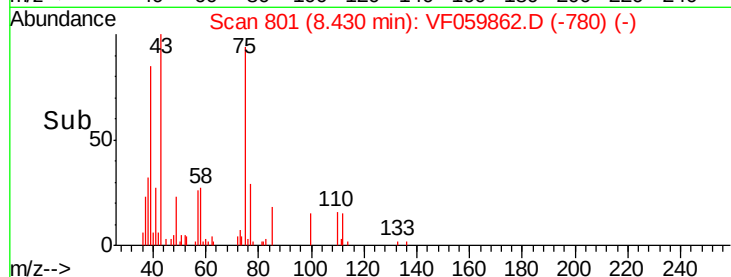
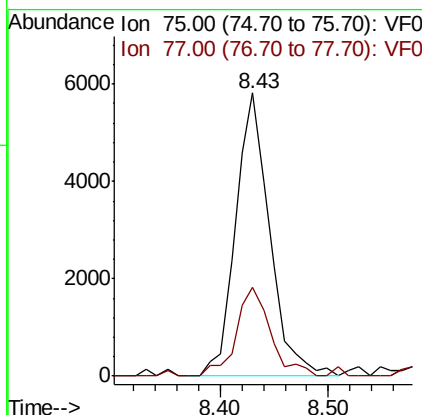
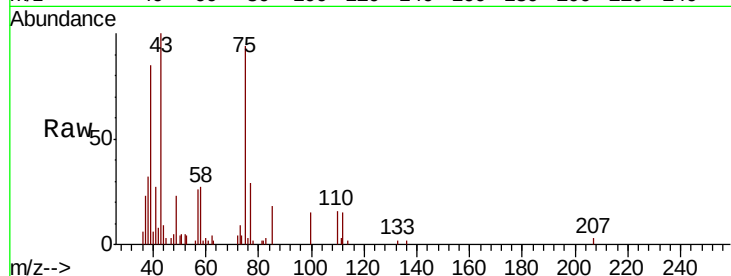




#53
t-1,3-Dichloropropene
Concen: 4.217 ug/l
RT: 8.43 min Scan# 801
Delta R.T. 0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

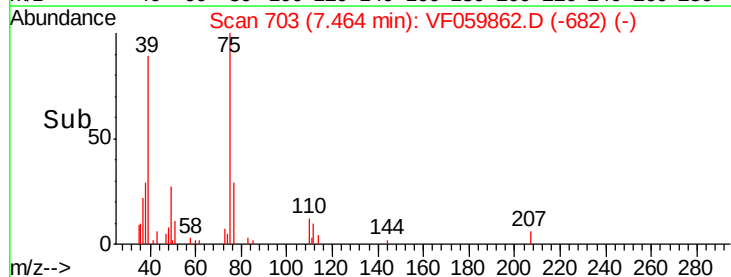
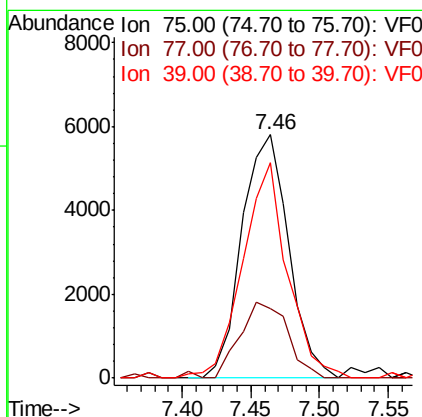
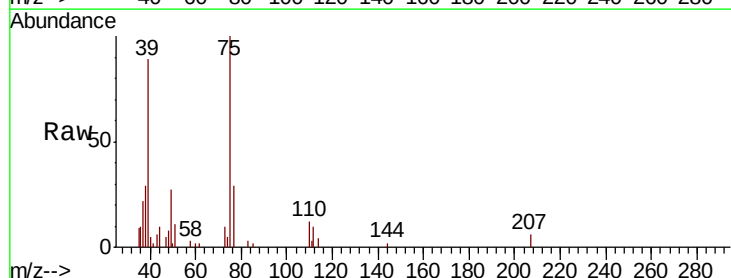
Instrument :
MSVOA_F
ClientSampleId :

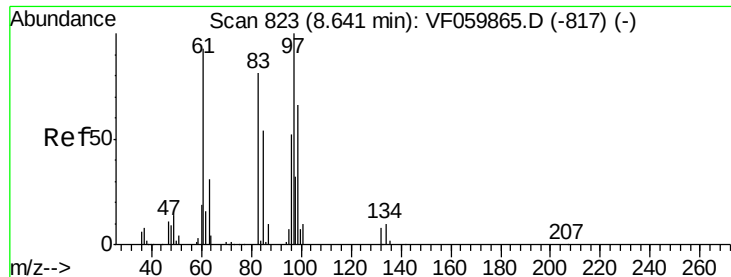
Tot Ion: 75 Resp: 12707
Ion Ratio Lower Upper
75 100
77 31.3 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 4.651 ug/l
RT: 7.46 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion: 75 Resp: 13723
Ion Ratio Lower Upper
75 100
77 28.6 24.7 37.1
39 88.6 72.0 108.0





#55

1,1,2-Trichloroethane

Concen: 4.894 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 6727

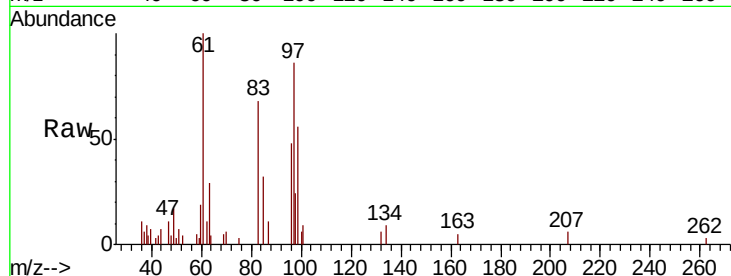
Ion Ratio Lower Upper

97 100

83 78.8 64.4 96.6

85 36.9 43.1 64.7#

99 64.7 52.7 79.1

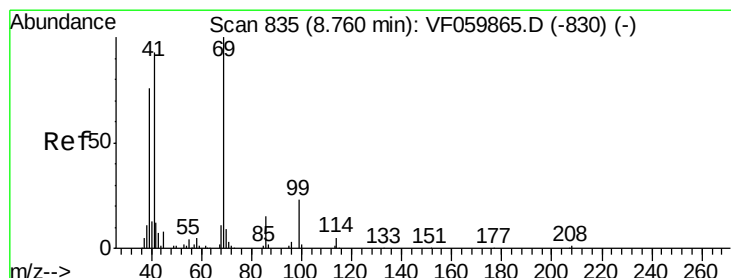
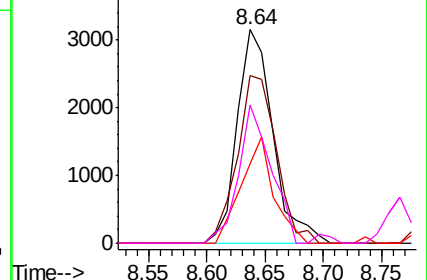
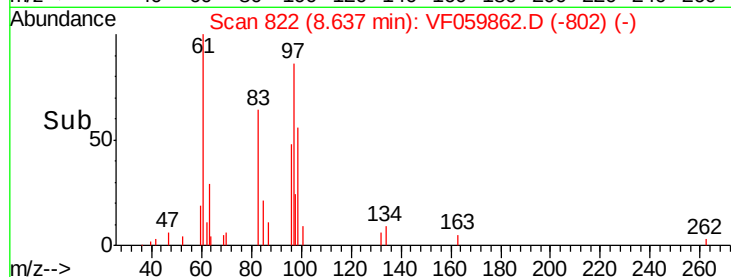


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 3.283 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

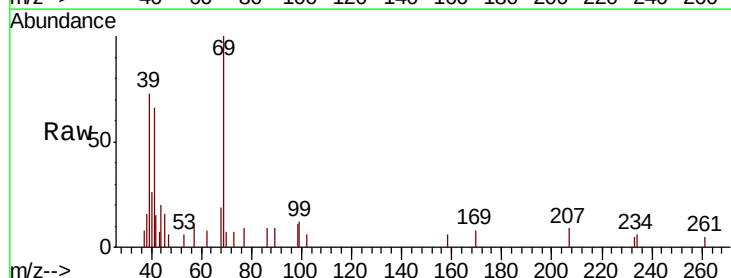
Tgt Ion: 69 Resp: 4668

Ion Ratio Lower Upper

69 100

41 65.8 74.7 112.1#

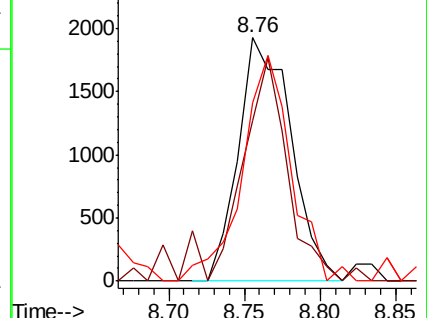
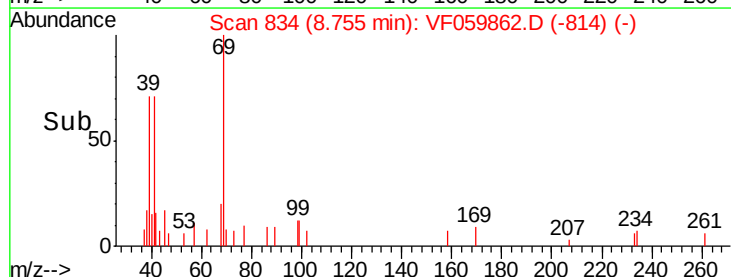
39 73.1 61.1 91.7

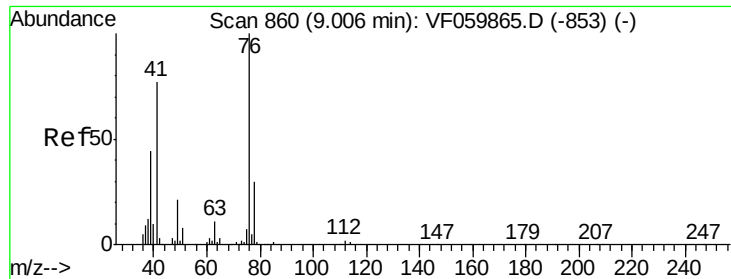


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 4.203 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

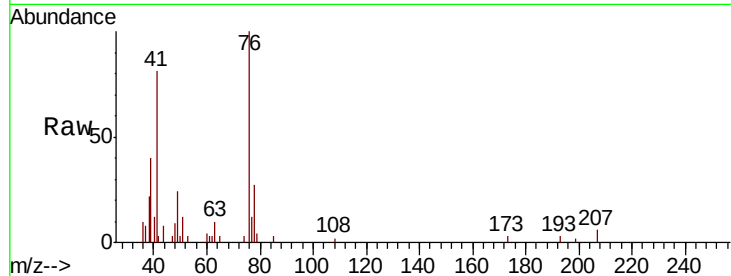
ClientSampled :

Tot Ion: 76 Resp: 10018

Ion Ratio Lower Upper

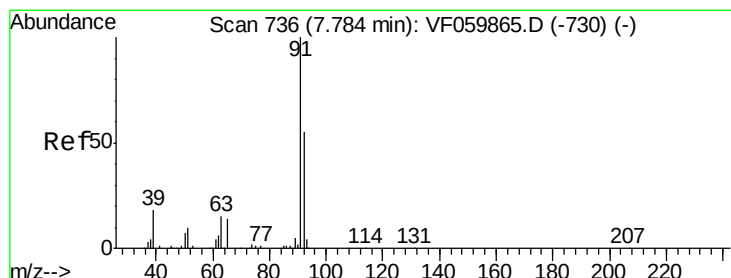
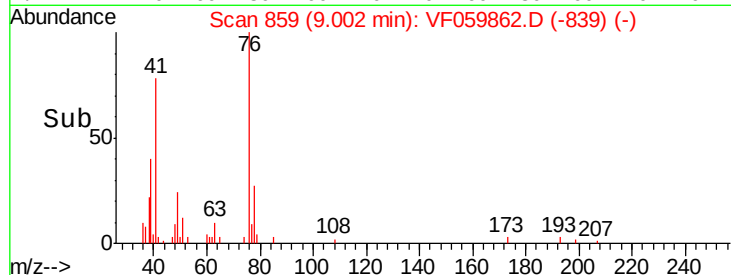
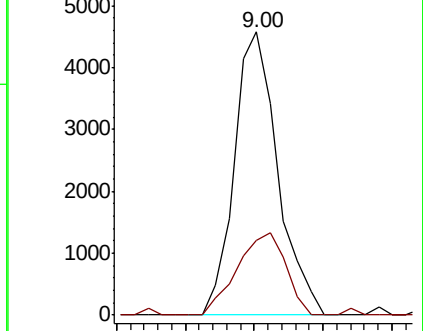
76 100

78 26.6 24.2 36.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 23.324 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059862.D

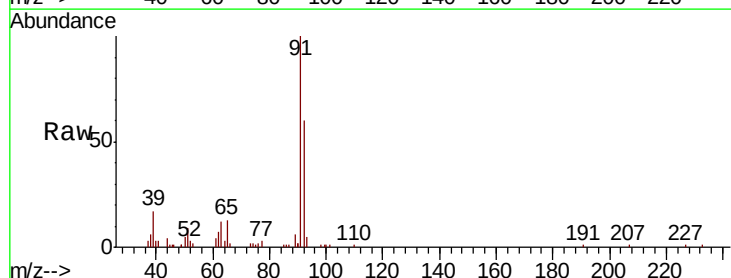
Acq: 4 Aug 2018 3:21

Tgt Ion: 63 Resp: 4036

Ion Ratio Lower Upper

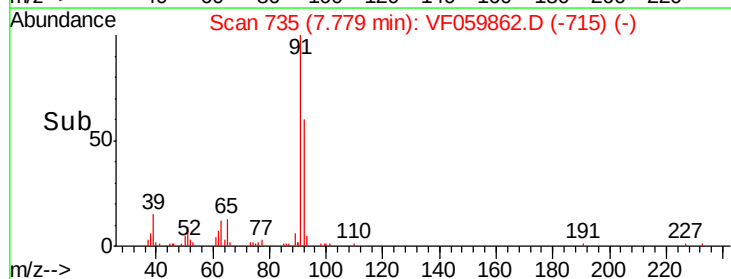
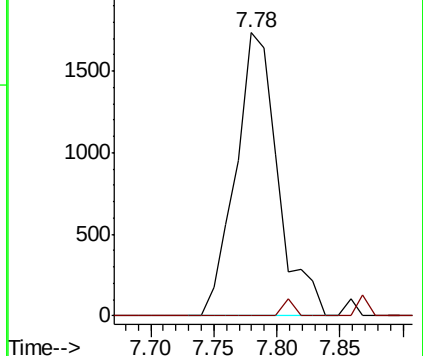
63 100

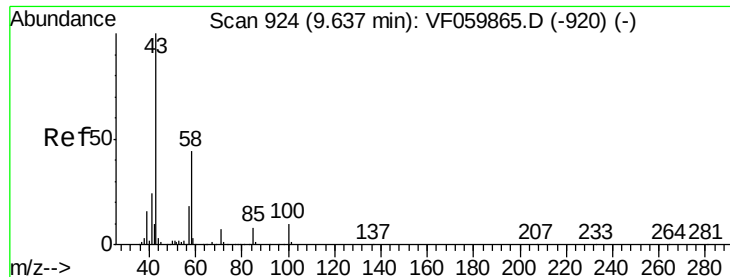
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 22.433 ug/l

RT: 9.63 min Scan# 923

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

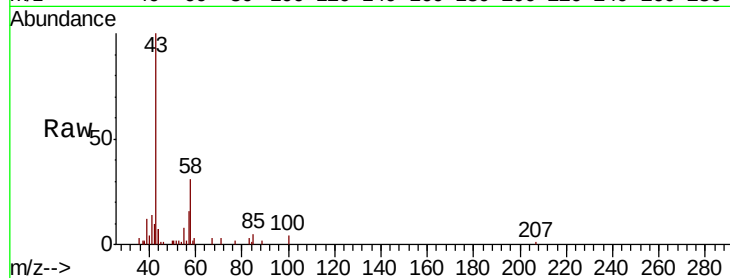
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 20936

Ion Ratio Lower Upper

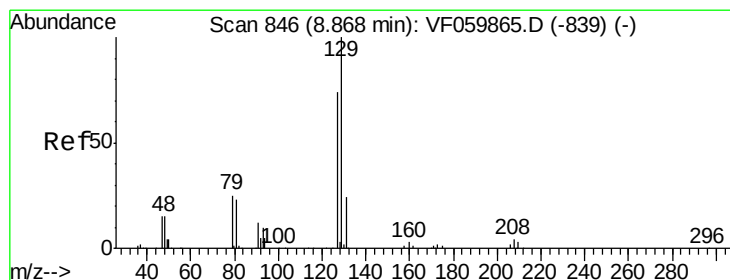
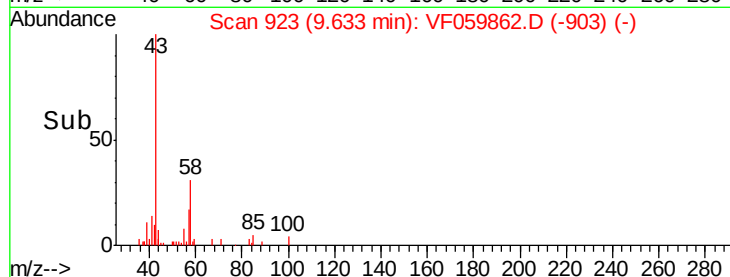
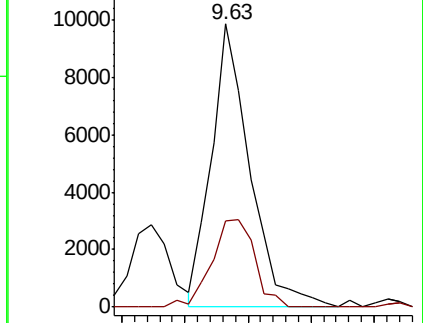
43 100

58 30.7 20.8 62.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 4.636 ug/l

RT: 8.86 min Scan# 845

Delta R.T. -0.00 min

Lab File: VF059862.D

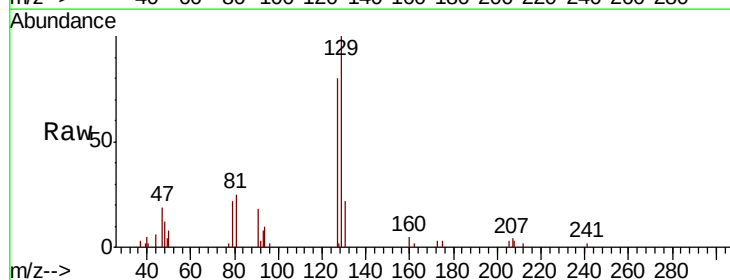
Acq: 4 Aug 2018 3:21

Tgt Ion:129 Resp: 11462

Ion Ratio Lower Upper

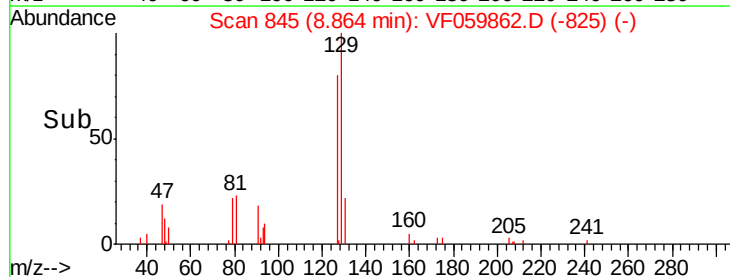
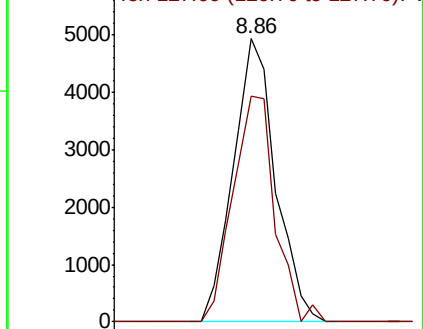
129 100

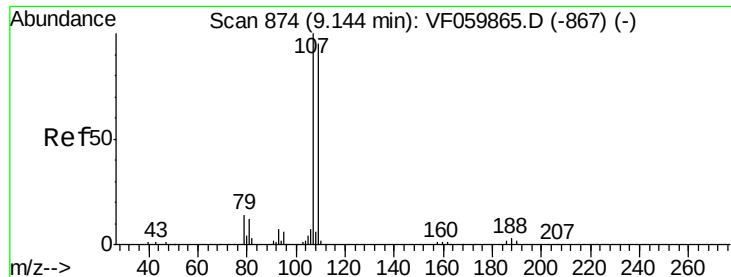
127 82.1 36.9 110.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

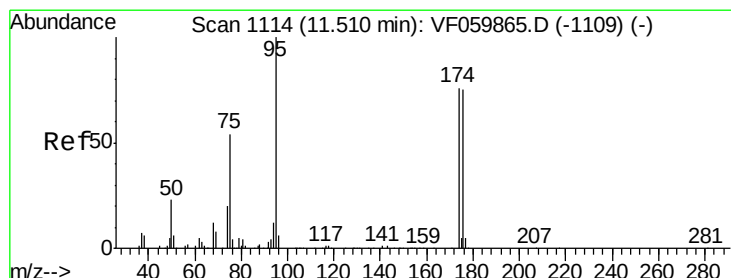
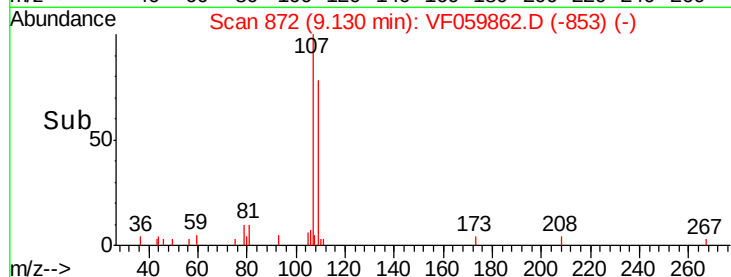
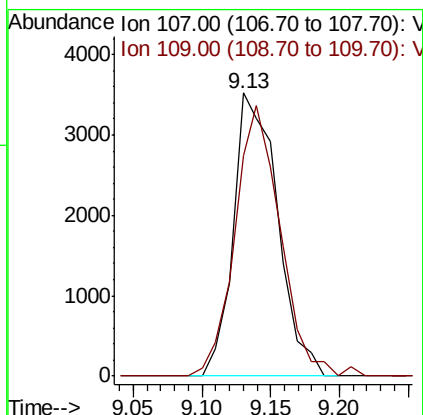
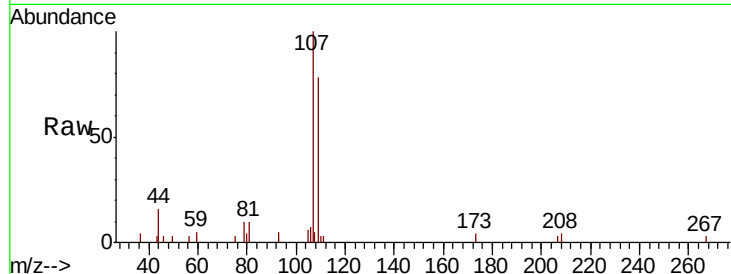




#61
 1,2-Dibromoethane
 Concen: 4.820 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

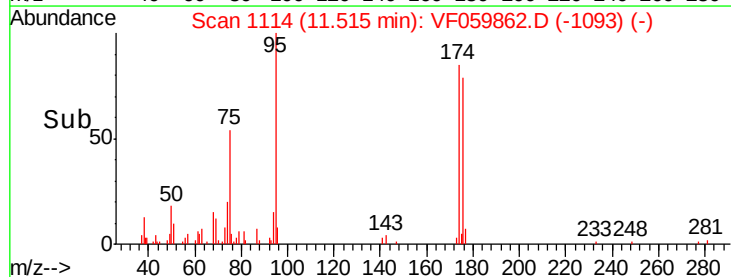
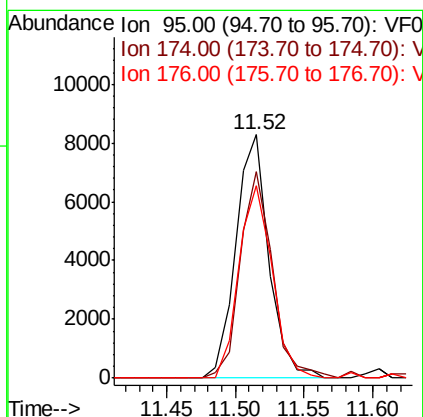
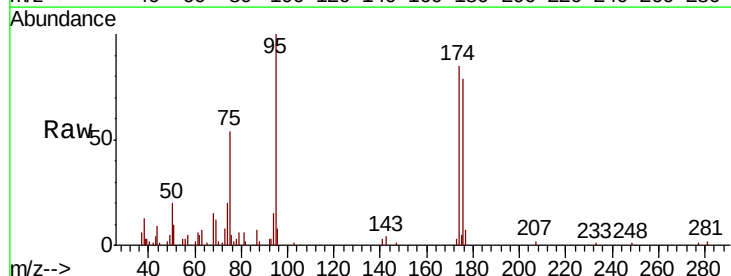
Instrument :
 MSVOA_F
 ClientSampleId :

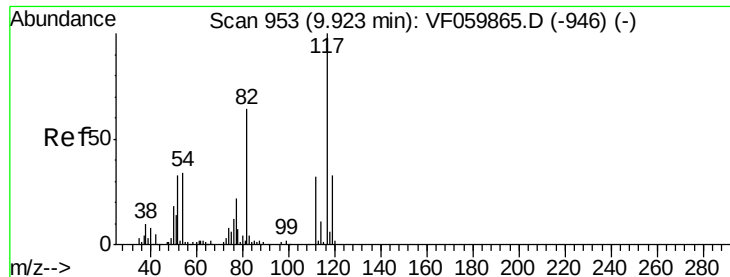
Tot Ion:107 Resp: 7865
 Ion Ratio Lower Upper
 107 100
 109 78.0 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 4.133 ug/l
 RT: 11.52 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion: 95 Resp: 13843
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 151.6
 176 78.8 0.0 149.8

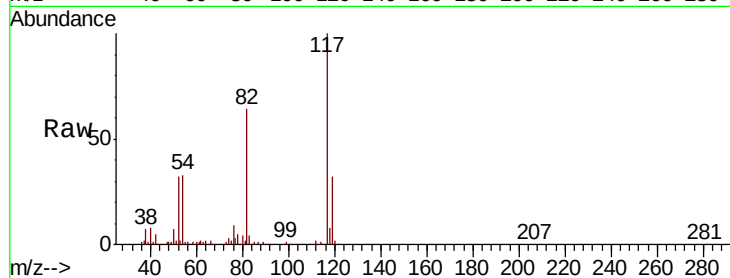




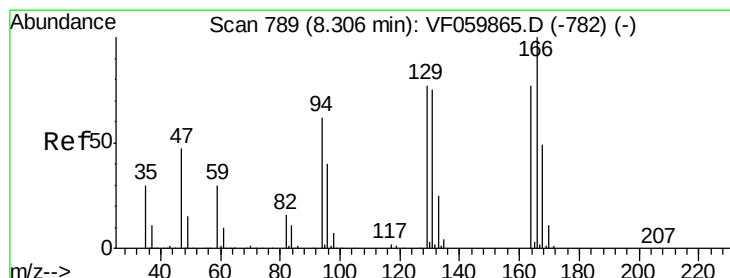
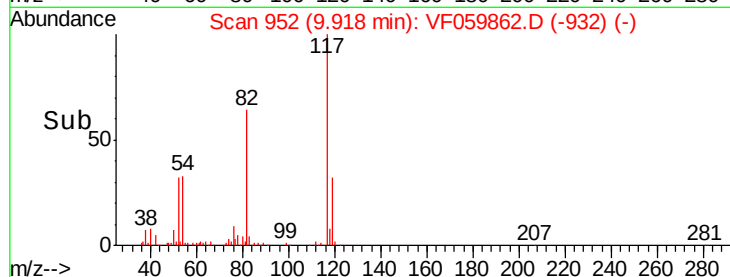
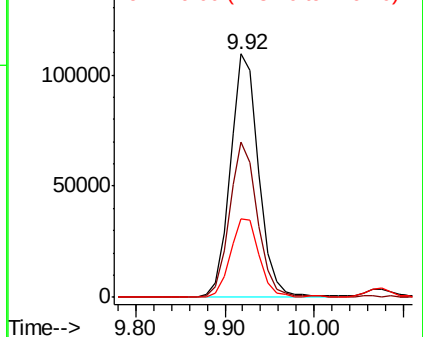
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 244852
Ion Ratio Lower Upper
117 100
82 63.6 51.3 76.9
119 32.3 26.4 39.6

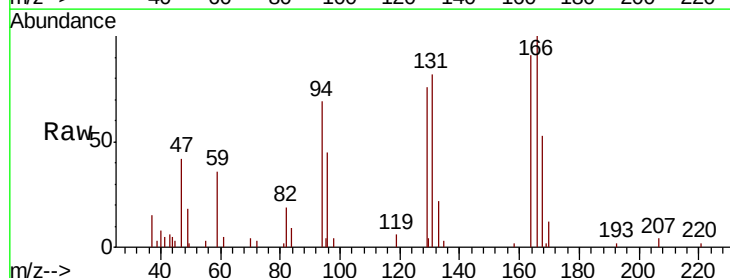


Abundance Ion 117.00 (116.70 to 117.70): V
150000 Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

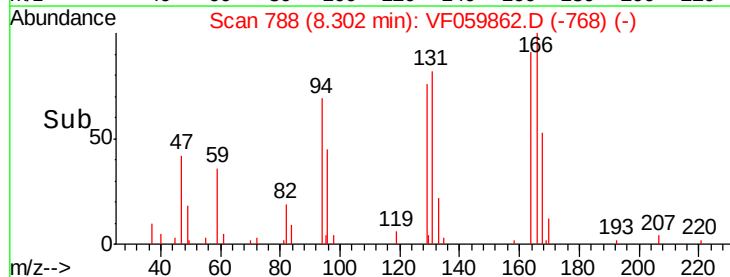
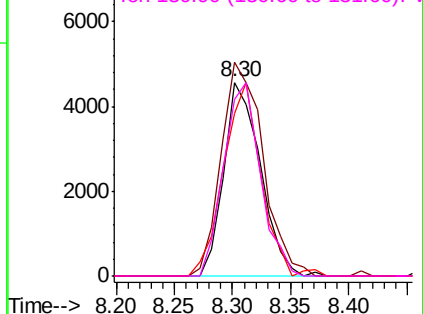


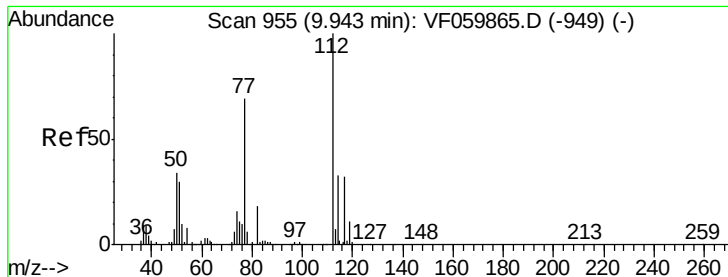
#64
Tetrachloroethene
Concen: 5.007 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion:164 Resp: 9998
Ion Ratio Lower Upper
164 100
166 110.2 104.4 156.6
129 83.6 80.3 120.5
131 90.9 78.5 117.7



Abundance Ion 163.85 (163.55 to 164.55): V
8000 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: 5.166 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

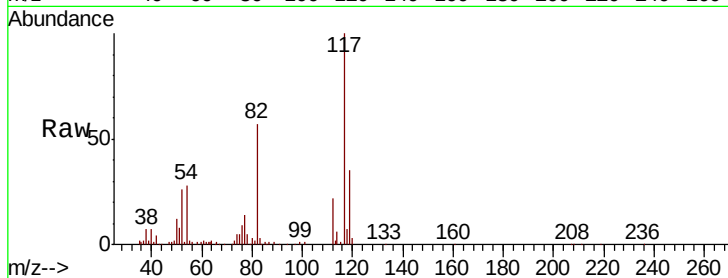
ClientSampled :

Tot Ion:112 Resp: 25926

Ion Ratio Lower Upper

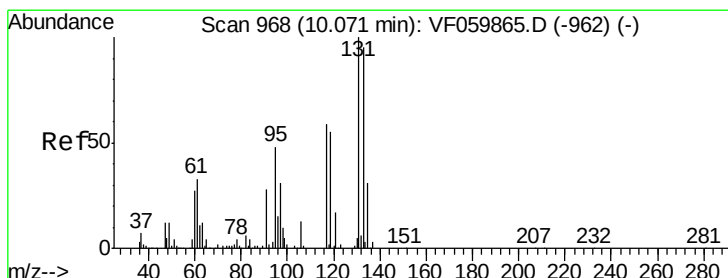
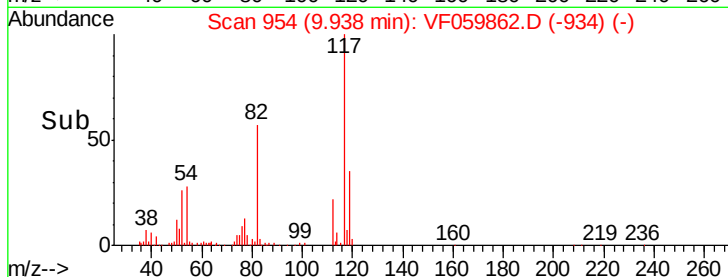
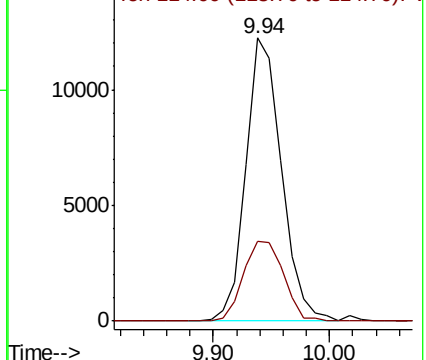
112 100

114 28.4 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: 5.699 ug/l

RT: 10.08 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

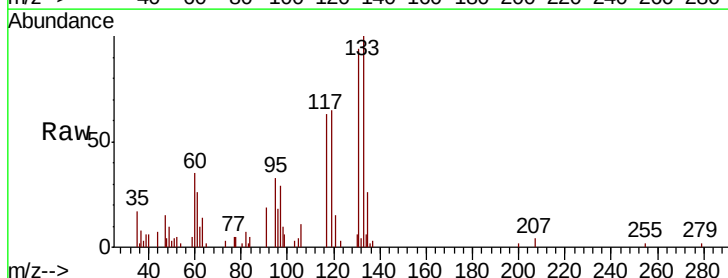
Tgt Ion:131 Resp: 13419

Ion Ratio Lower Upper

131 100

133 106.4 47.4 142.2

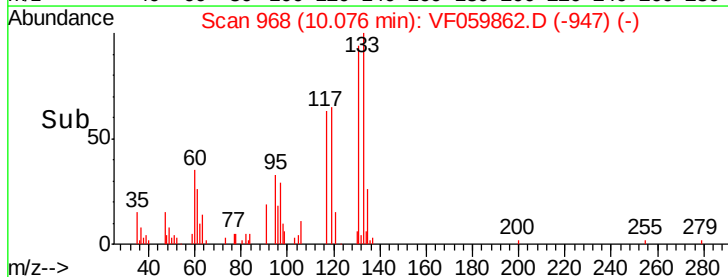
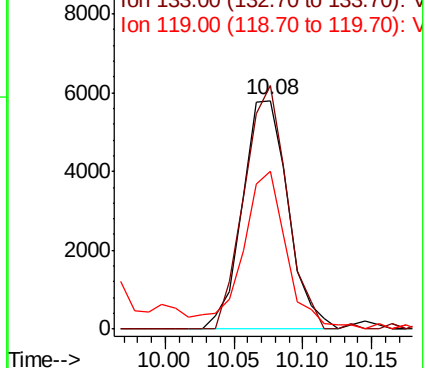
119 68.8 27.7 83.1

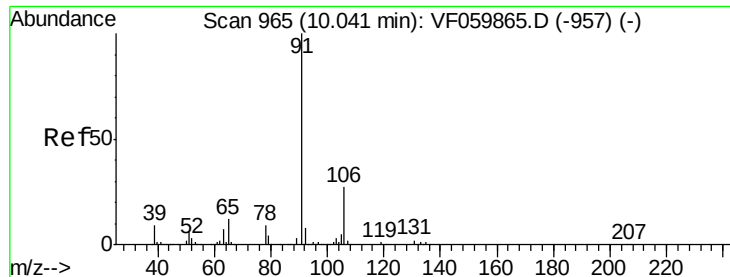


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

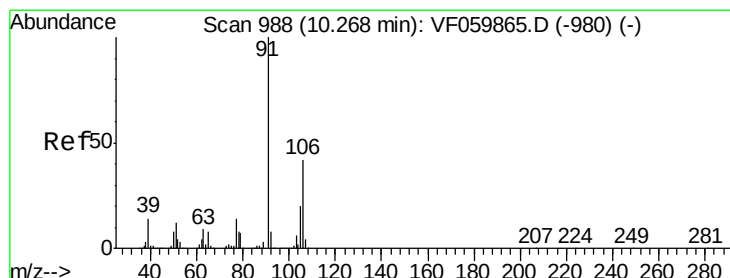
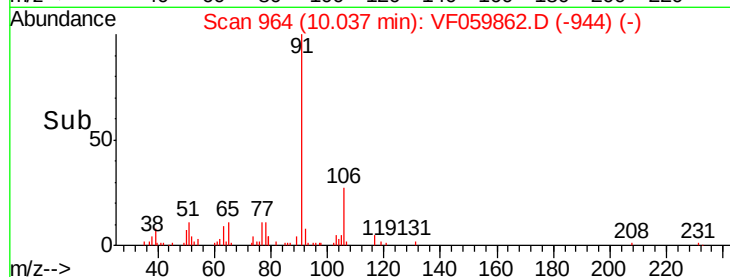
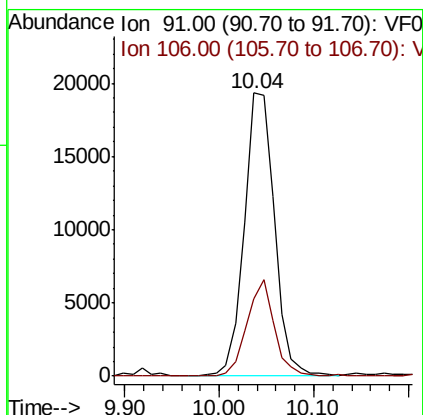
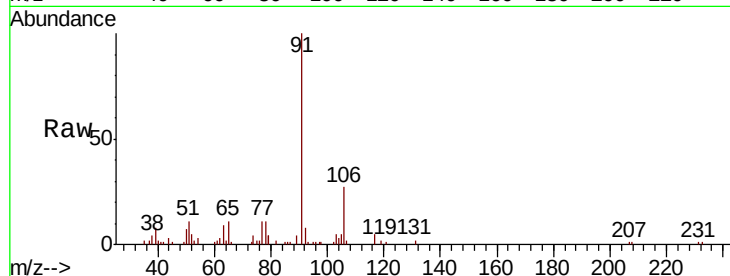




#67
Ethyl Benzene
Concen: 4.913 ug/l
RT: 10.04 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

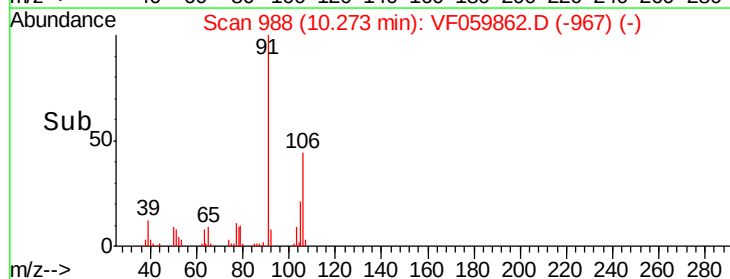
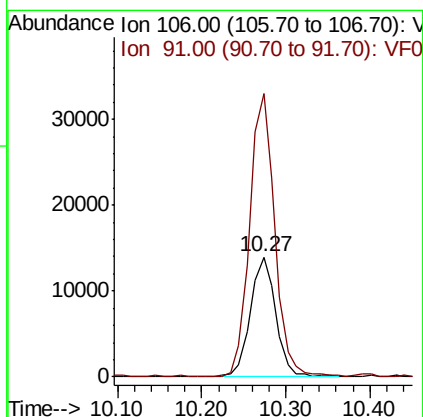
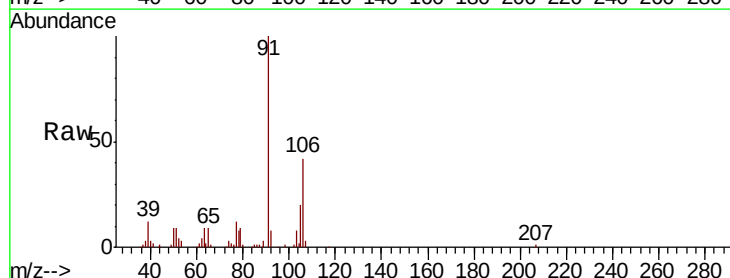
Instrument :
MSVOA_F
ClientSampleId :

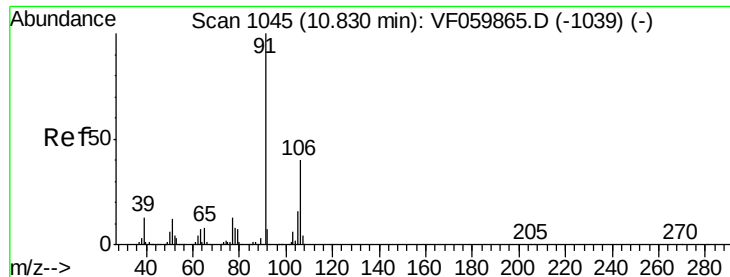
Tot Ion: 91 Resp: 42789
Ion Ratio Lower Upper
91 100
106 27.2 21.5 32.3



#68
m/p-Xylenes
Concen: 9.719 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion: 106 Resp: 29670
Ion Ratio Lower Upper
106 100
91 236.5 192.1 288.1

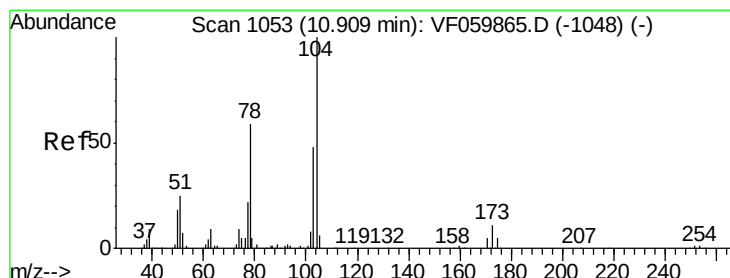
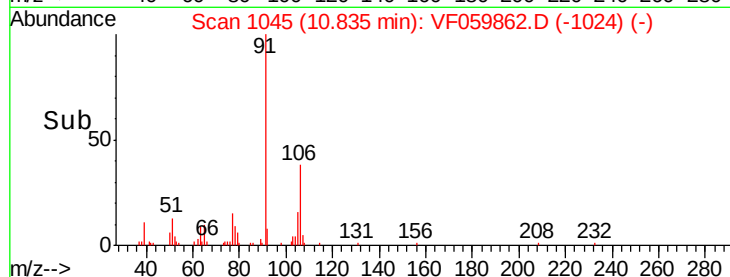
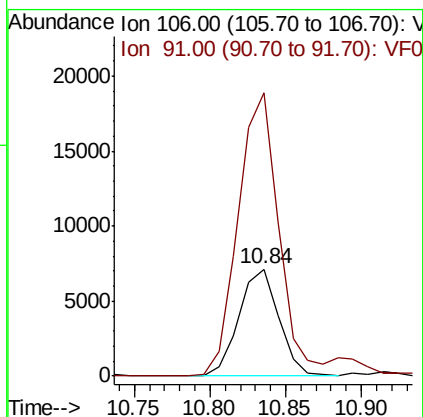
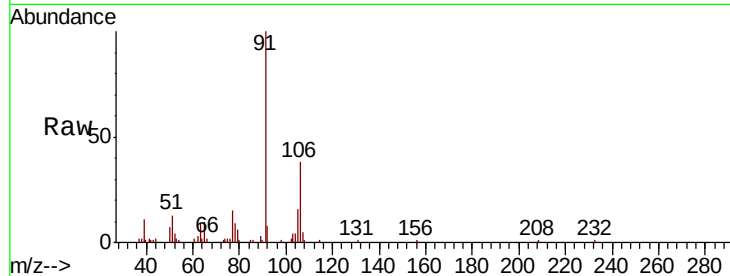




#69
o-Xylene
Concen: 4.060 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

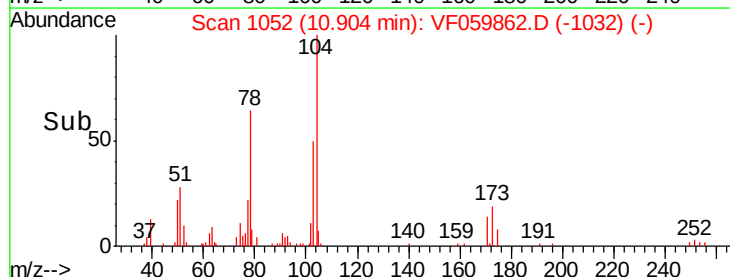
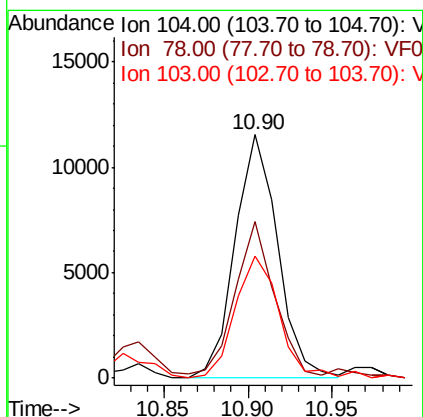
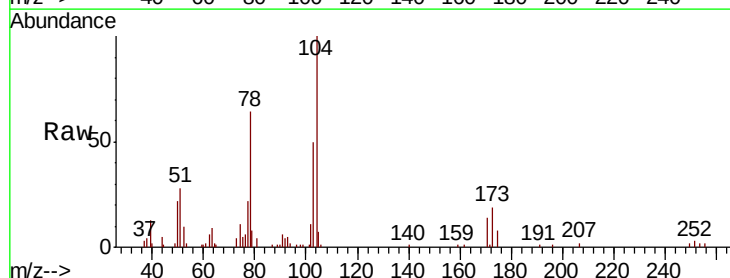
Instrument :
MSVOA_F
ClientSampleId :

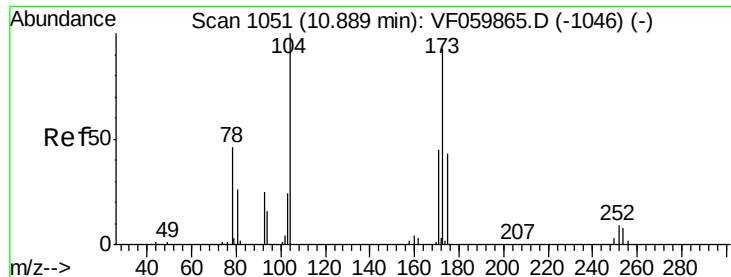
Tot Ion:106 Resp: 13110
Ion Ratio Lower Upper
106 100
91 264.3 125.4 376.2



#70
Styrene
Concen: 4.207 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion:104 Resp: 20345
Ion Ratio Lower Upper
104 100
78 64.2 47.3 70.9
103 50.1 39.0 58.4





#71

Bromoform

Concen: 5.016 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

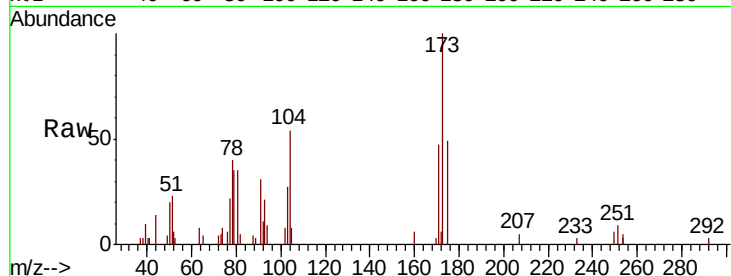
Tot Ion:173 Resp: 7584

Ion Ratio Lower Upper

173 100

175 49.1 23.4 70.2

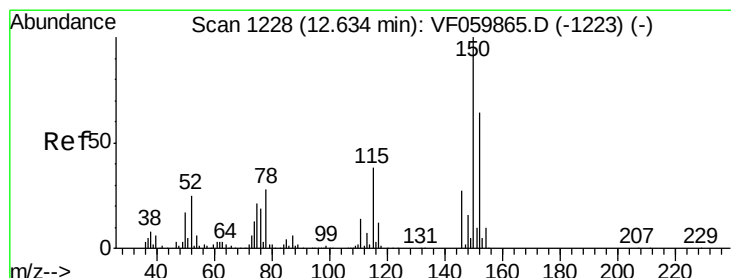
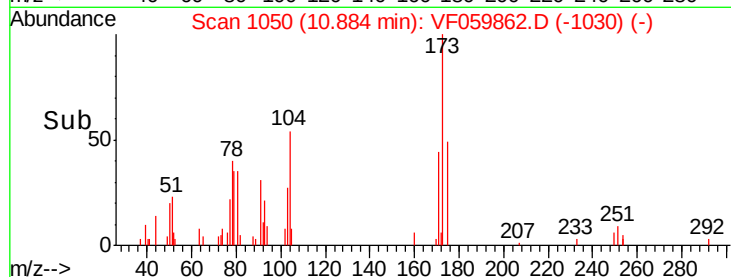
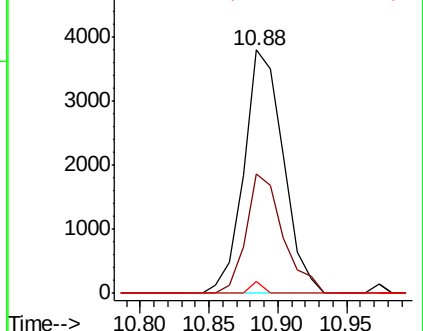
254 4.9 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

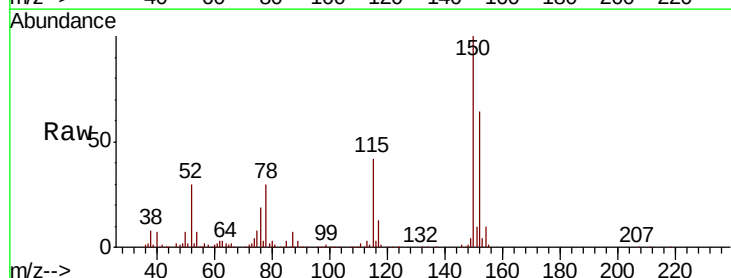
Tgt Ion:152 Resp: 166970

Ion Ratio Lower Upper

152 100

115 66.4 29.8 89.4

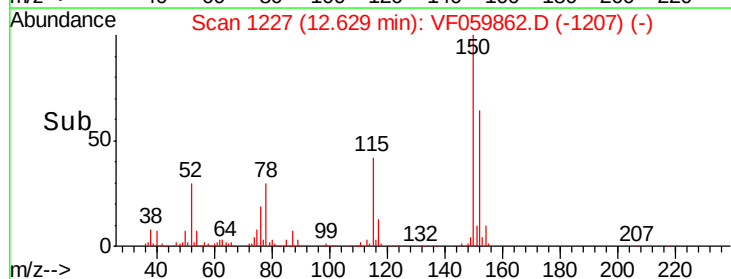
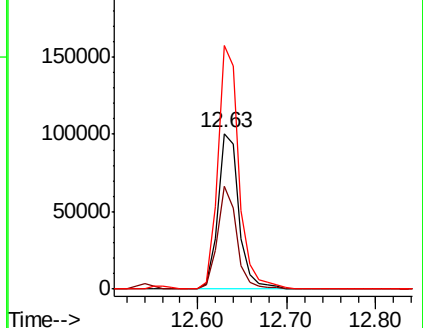
150 156.8 0.0 315.6

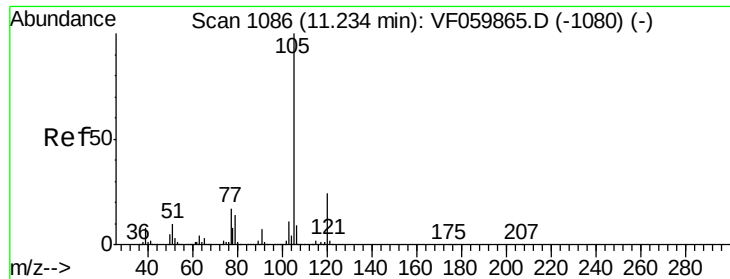


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 4.317 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

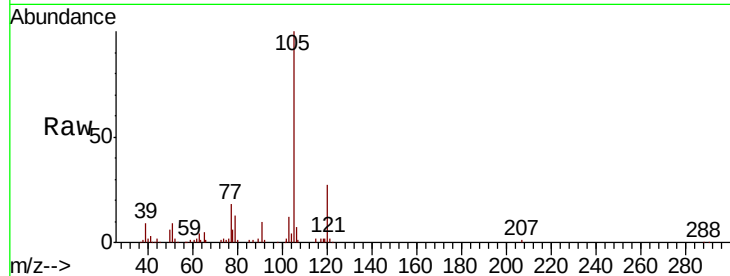
ClientSampleId :

Tot Ion:105 Resp: 48261

Ion Ratio Lower Upper

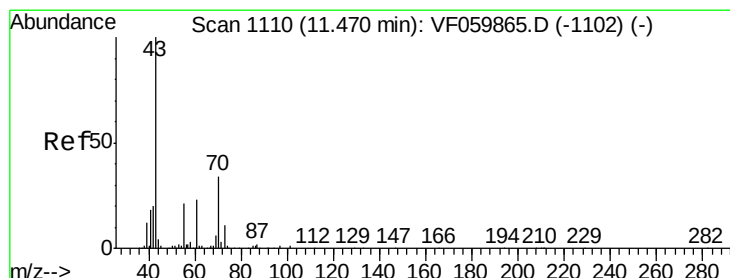
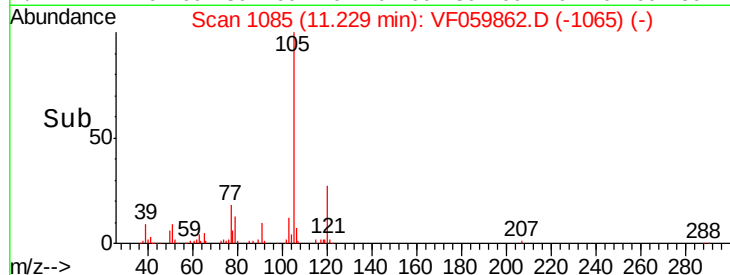
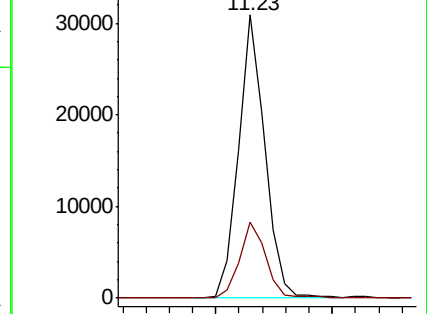
105 100

120 26.8 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-ethyl acetate

Concen: 3.413 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Tgt Ion: 43 Resp: 9411

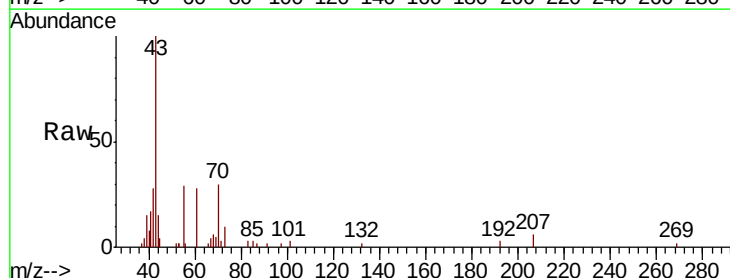
Ion Ratio Lower Upper

43 100

70 29.8 27.5 41.3

55 29.0 16.6 25.0#

61 28.2 18.2 27.4#

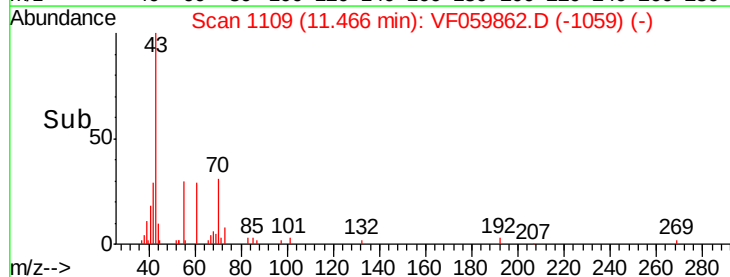
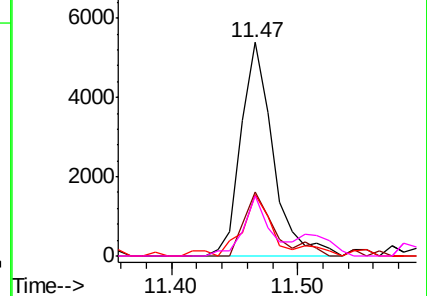


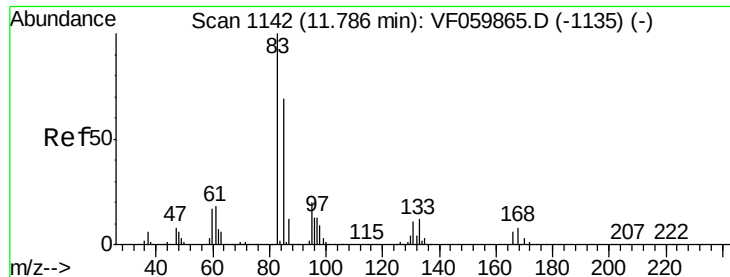
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.222 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

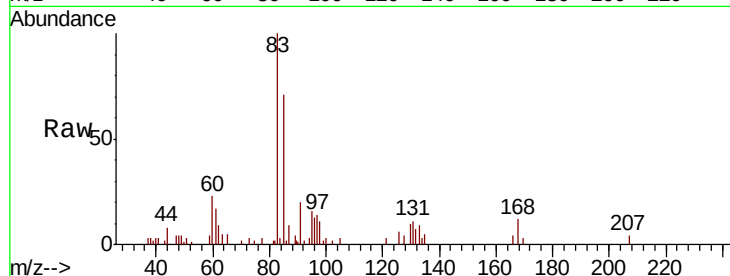
Tot Ion: 83 Resp: 10806

Ion Ratio Lower Upper

83 100

131 11.3 5.3 15.9

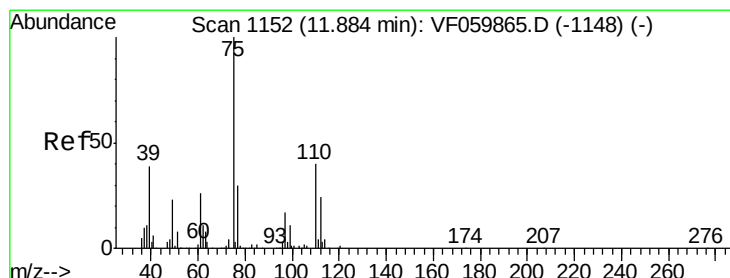
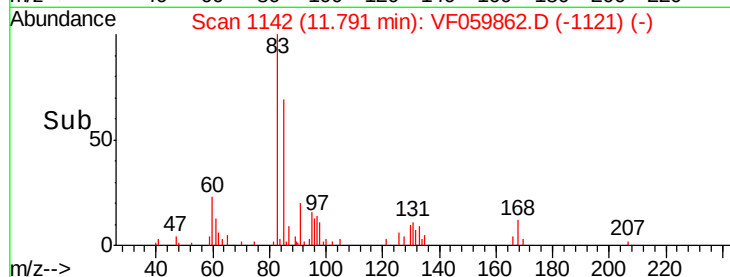
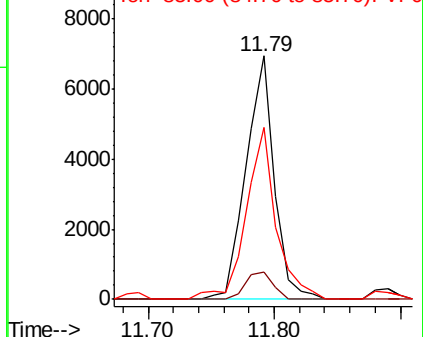
85 70.8 34.5 103.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 5.064 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.01 min

Lab File: VF059862.D

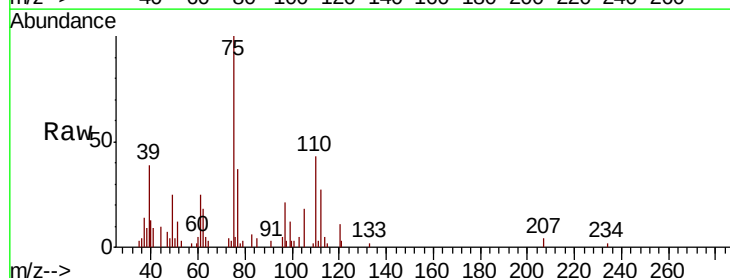
Acq: 4 Aug 2018 3:21

Tgt Ion: 75 Resp: 8982

Ion Ratio Lower Upper

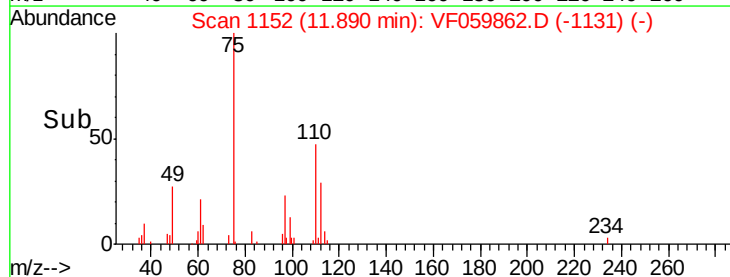
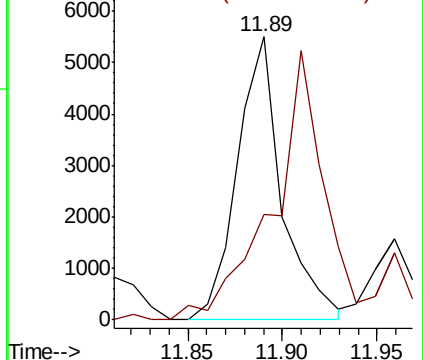
75 100

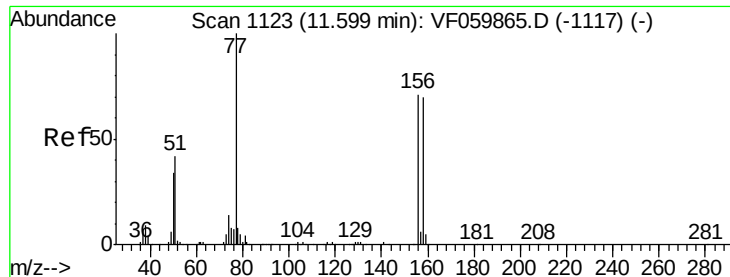
77 37.4 15.4 46.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 4.838 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

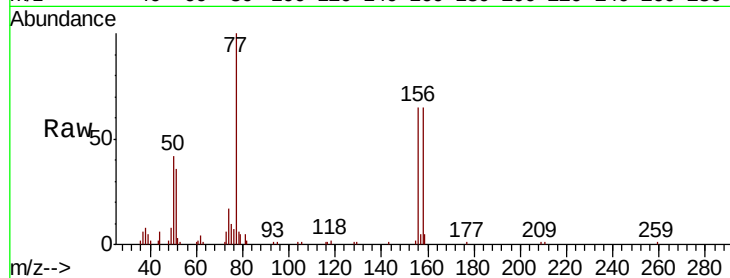
Tot Ion:156 Resp: 14076

Ion Ratio Lower Upper

156 100

77 153.3 70.2 210.6

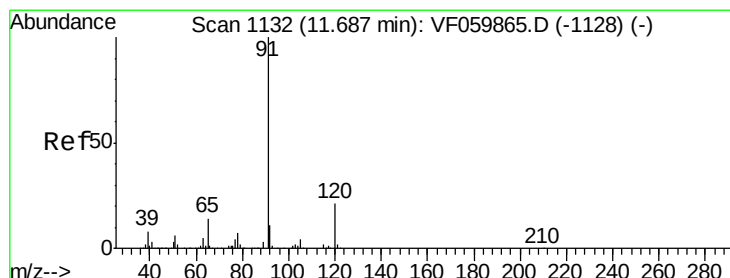
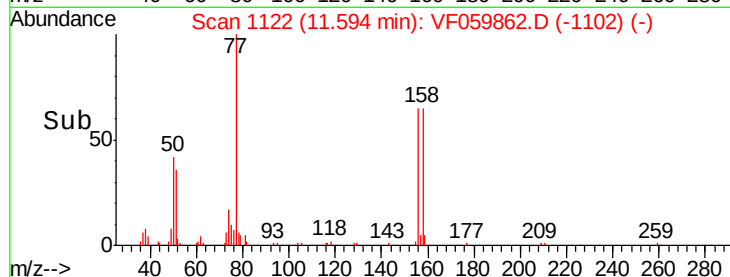
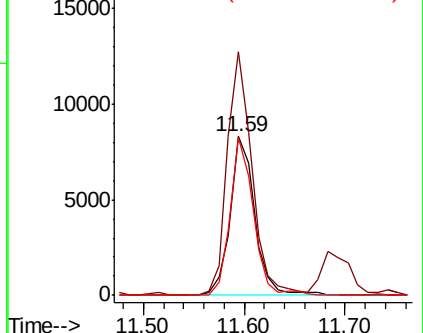
158 99.4 49.2 147.6



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: 4.878 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059862.D

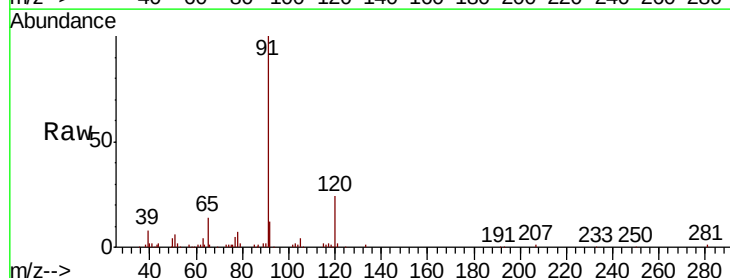
Acq: 4 Aug 2018 3:21

Tgt Ion: 91 Resp: 63597

Ion Ratio Lower Upper

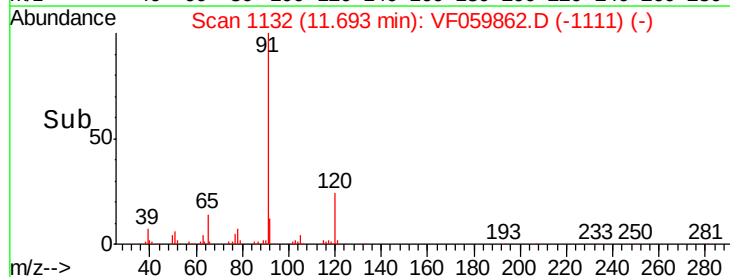
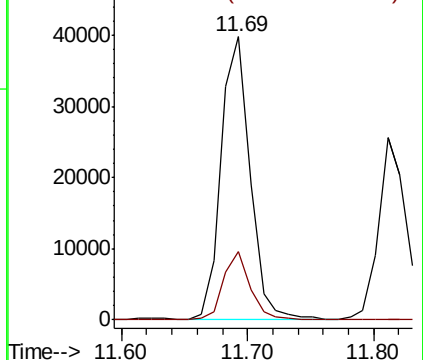
91 100

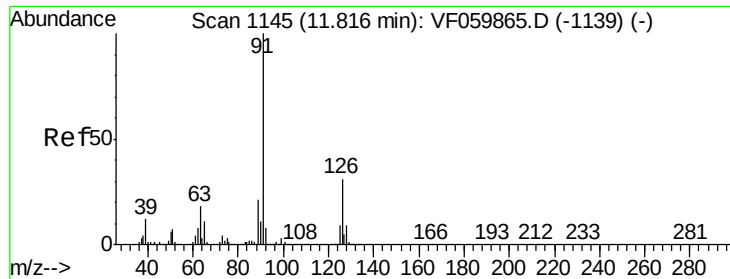
120 24.4 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

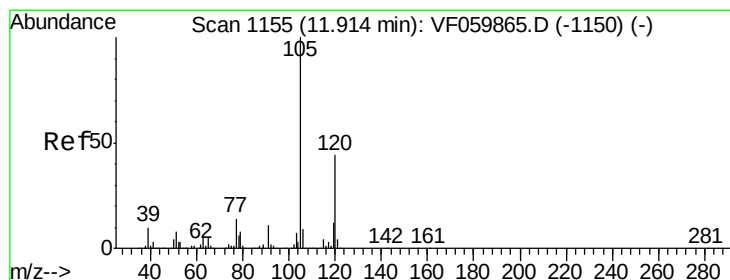
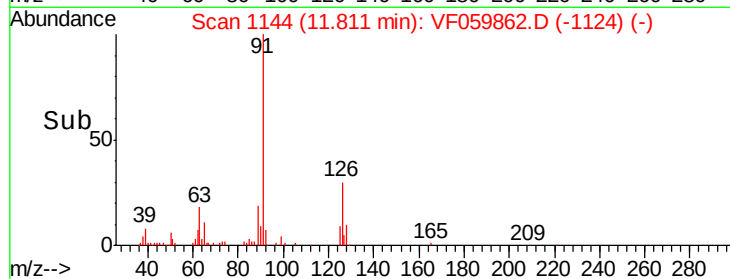
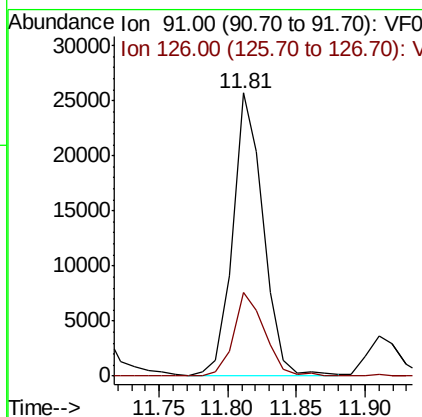
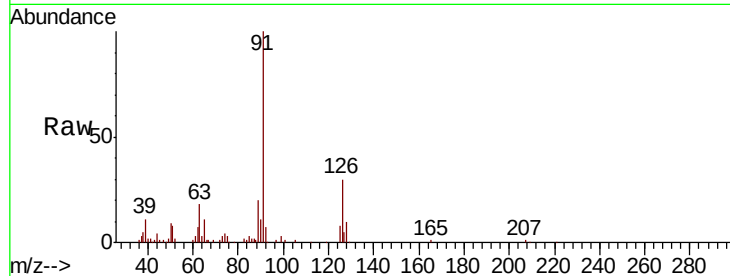




#79
 2-Chlorotoluene
 Concen: 4.895 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

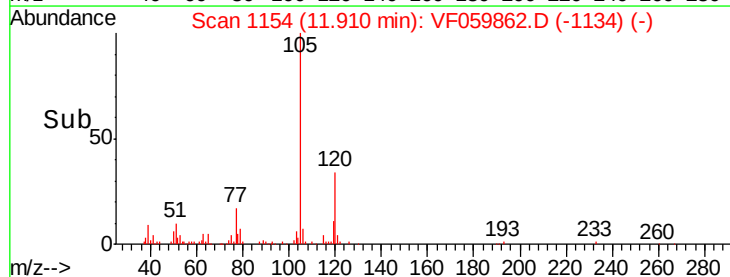
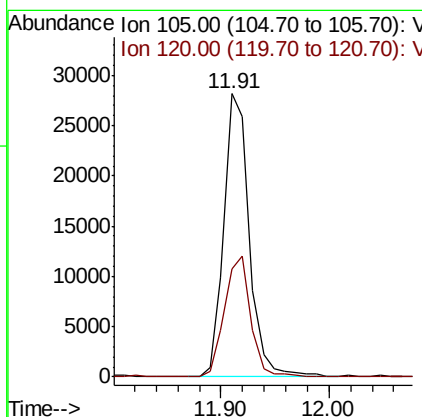
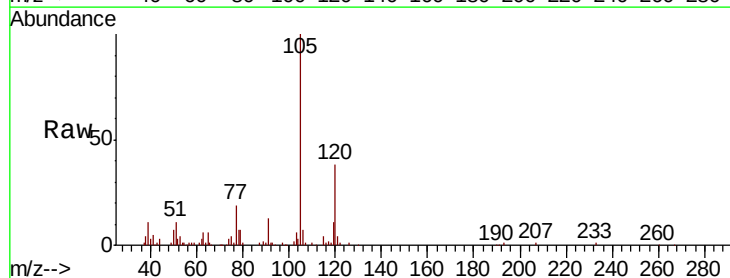
Instrument :
 MSVOA_F
 ClientSampled :

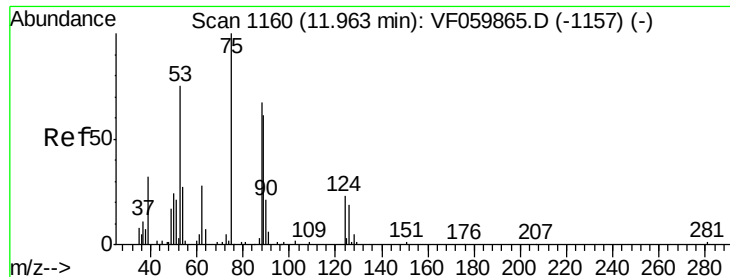
Tot Ion: 91 Resp: 39666
 Ion Ratio Lower Upper
 91 100
 126 29.6 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 4.587 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion:105 Resp: 46188
 Ion Ratio Lower Upper
 105 100
 120 38.3 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 5.176 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

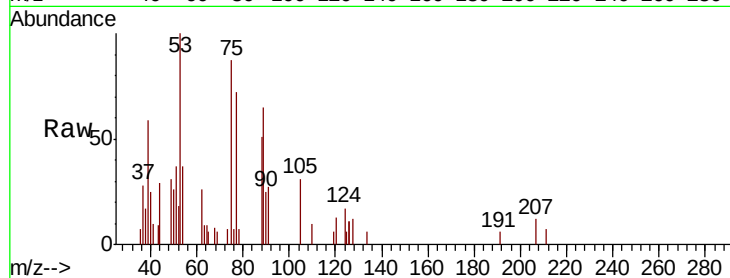
Tot Ion: 75 Resp: 3695

Ion Ratio Lower Upper

75 100

53 115.5 65.9 98.9#

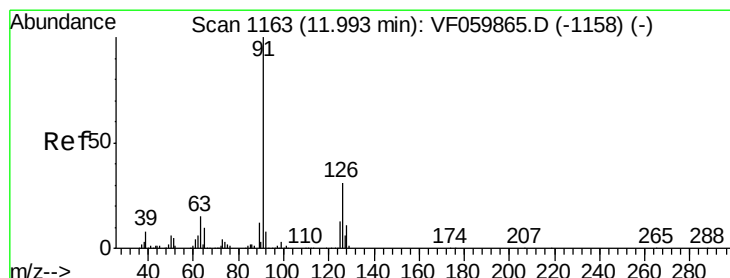
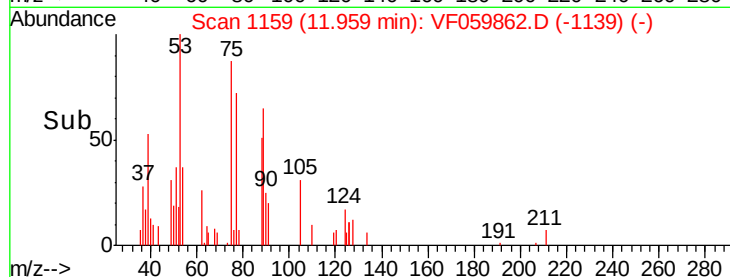
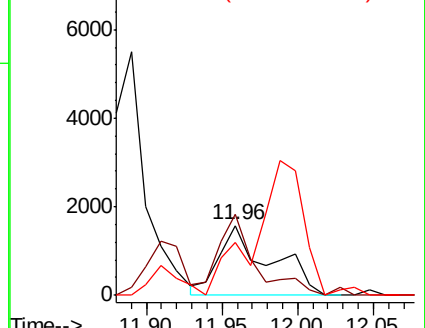
89 74.9 50.6 76.0



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



#82

4-Chlorotoluene

Concen: 5.348 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VF059862.D

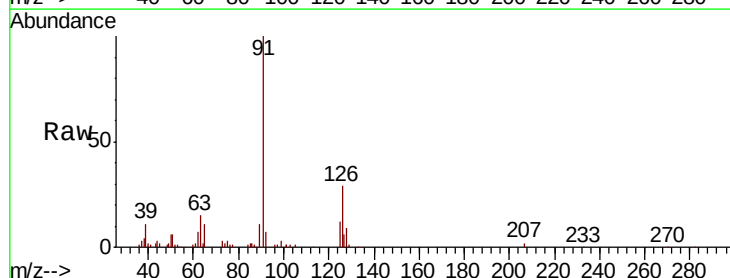
Acq: 4 Aug 2018 3:21

Tgt Ion: 91 Resp: 46249

Ion Ratio Lower Upper

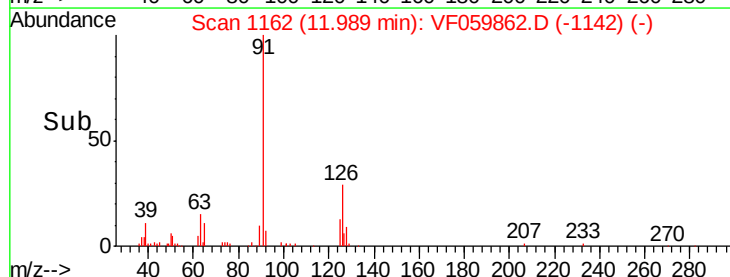
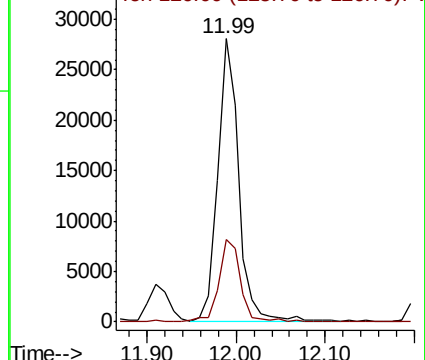
91 100

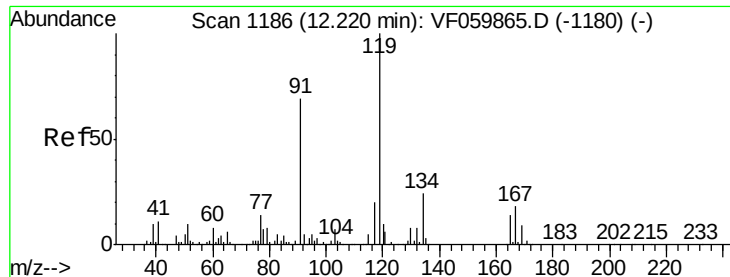
126 29.0 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

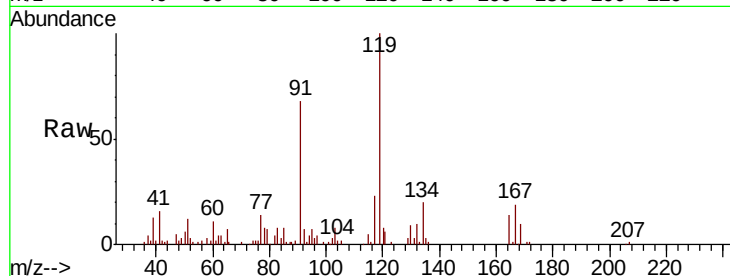




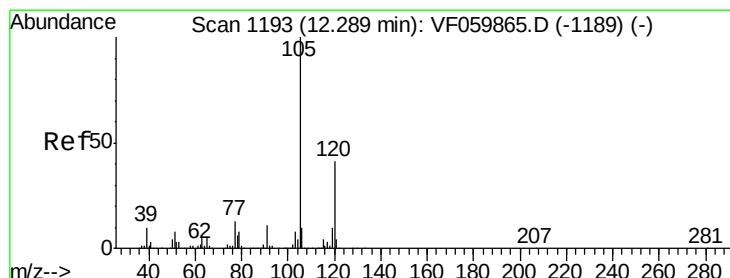
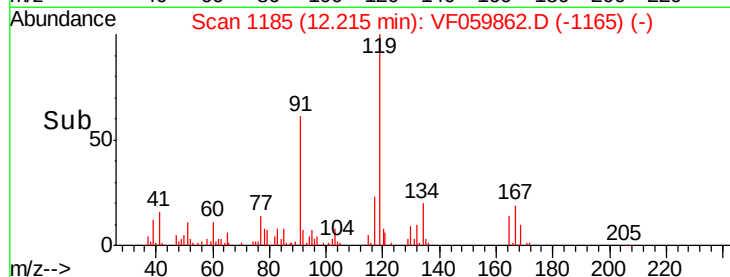
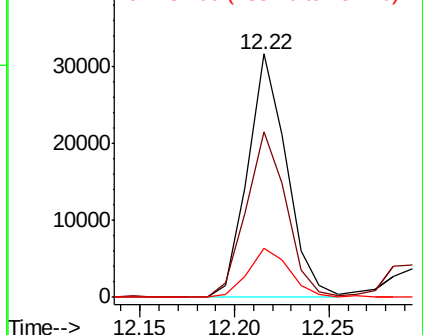
#83
 tert-Butylbenzene
 Concen: 4.539 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:119 Resp: 45359
 Ion Ratio Lower Upper
 119 100
 91 68.0 34.4 103.2
 134 20.3 12.1 36.3

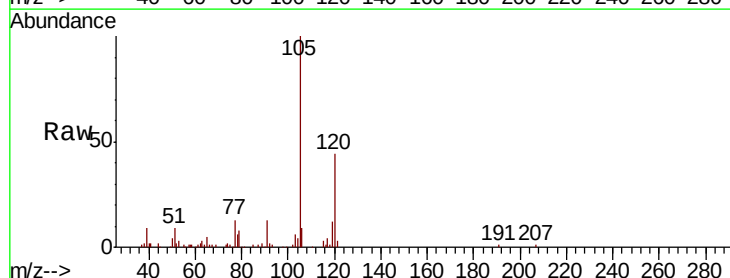


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

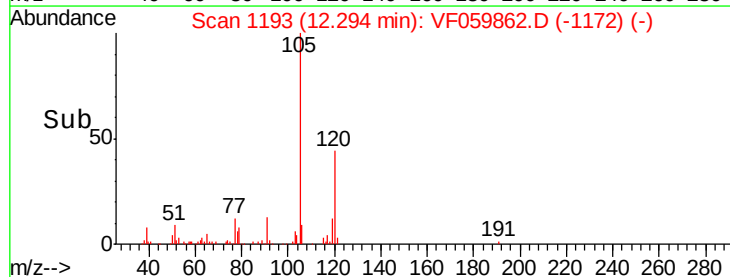
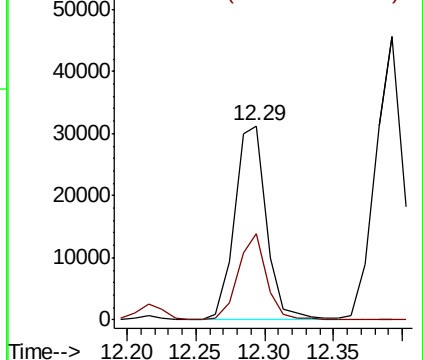


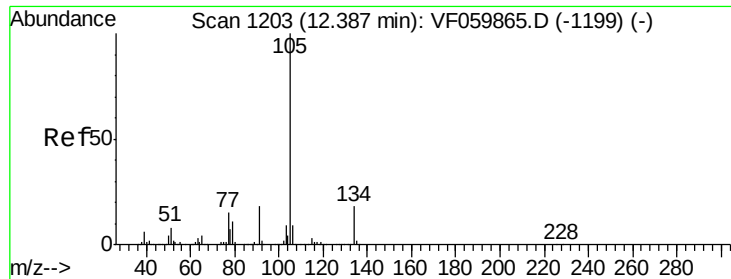
#84
 1,2,4-Trimethylbenzene
 Concen: 4.993 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion:105 Resp: 50472
 Ion Ratio Lower Upper
 105 100
 120 44.2 20.8 62.5



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

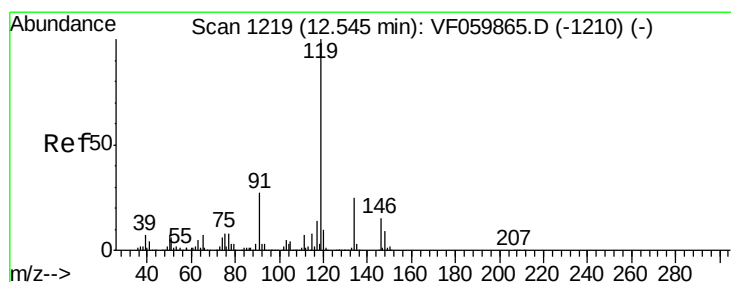
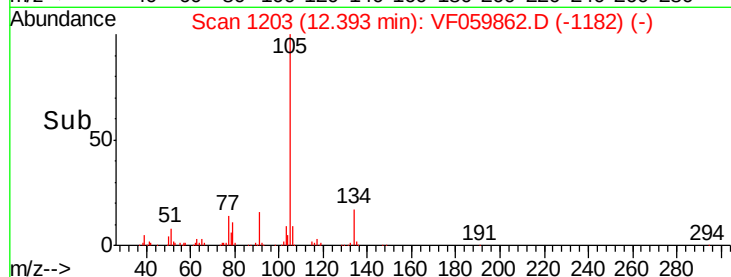
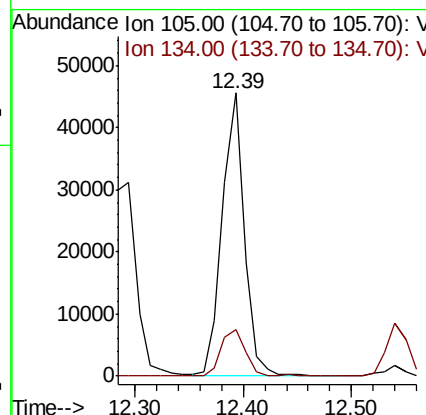
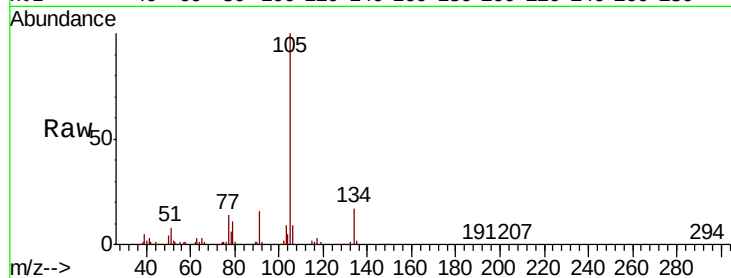




#85
 sec-Butylbenzene
 Concen: 5.069 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

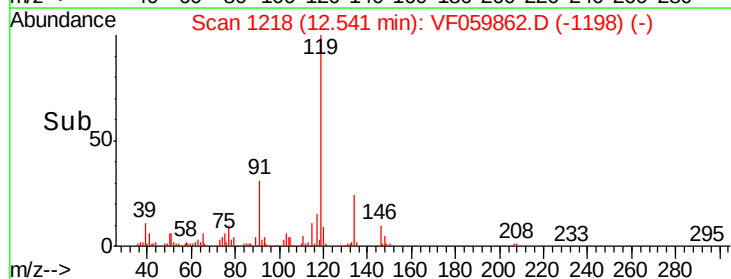
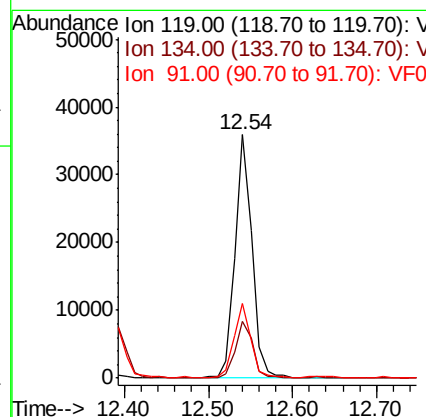
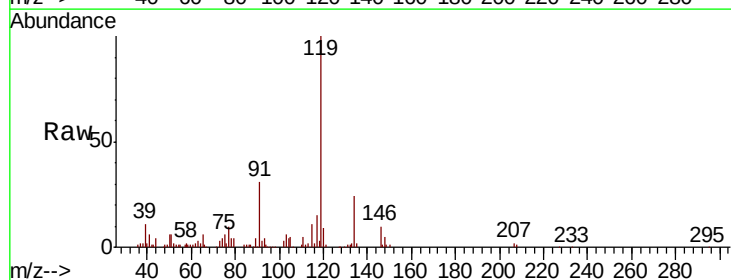
Instrument :
 MSVOA_F
 ClientSampleId :

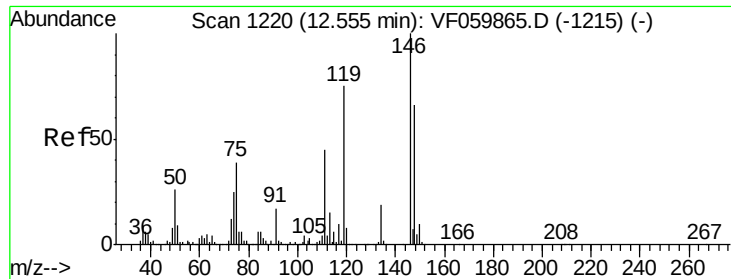
Tot Ion:105 Resp: 65227
 Ion Ratio Lower Upper
 105 100
 134 16.6 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 4.454 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion:119 Resp: 50547
 Ion Ratio Lower Upper
 119 100
 134 23.5 12.4 37.0
 91 30.8 13.6 40.7

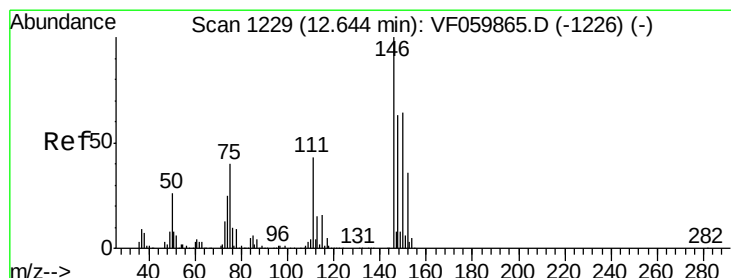
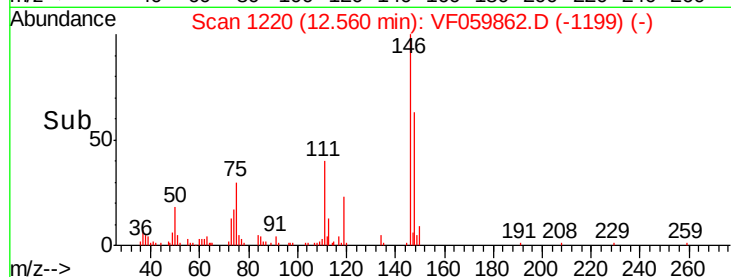
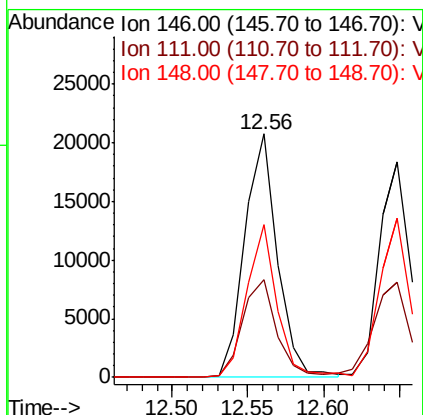
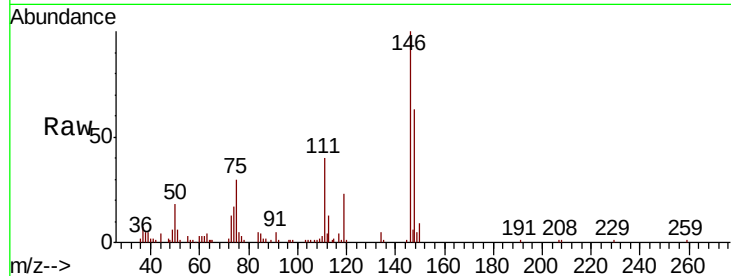




#87
 1,3-Dichlorobenzene
 Concen: 5.635 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

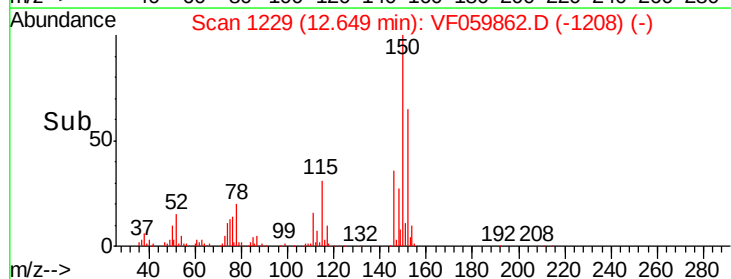
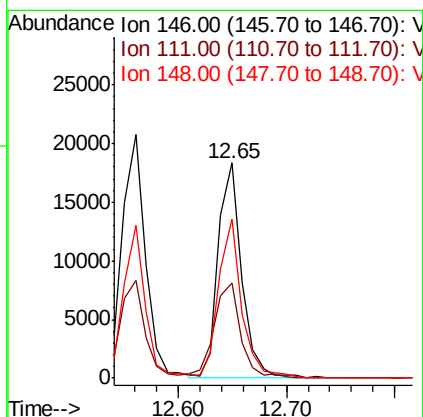
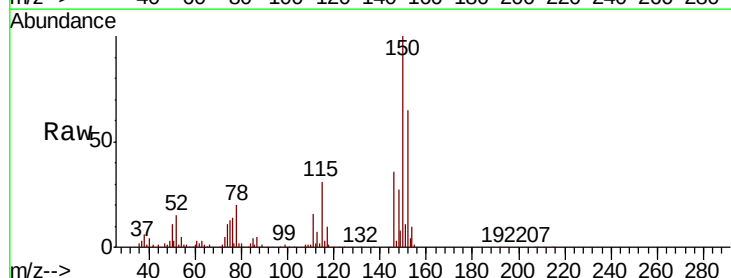
Instrument :
 MSVOA_F
 ClientSampleId :

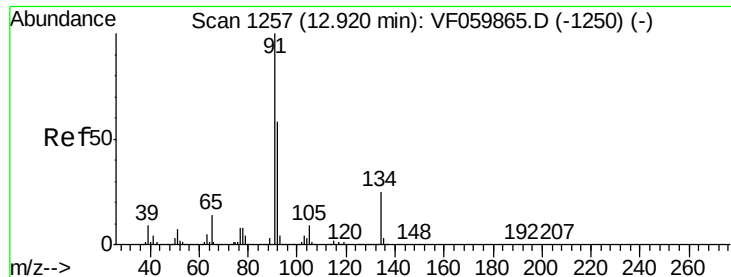
Tot Ion:146 Resp: 31264
 Ion Ratio Lower Upper
 146 100
 111 40.0 22.4 67.0
 148 62.5 33.1 99.3



#88
 1,4-Dichlorobenzene
 Concen: 5.120 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion:146 Resp: 27786
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.4 64.2
 148 74.0 31.6 94.7





#89

n-Butylbenzene

Concen: 4.616 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

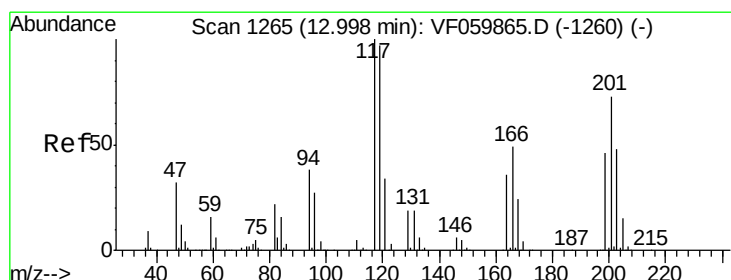
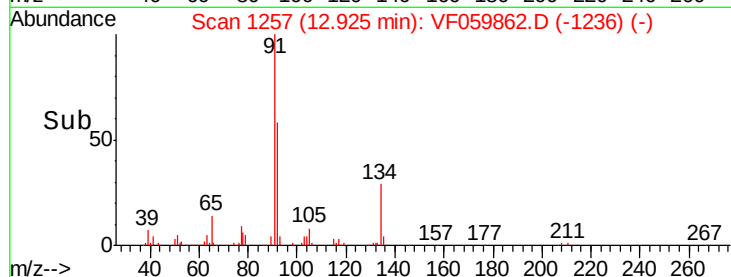
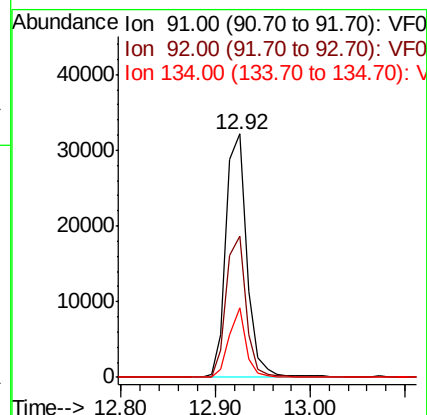
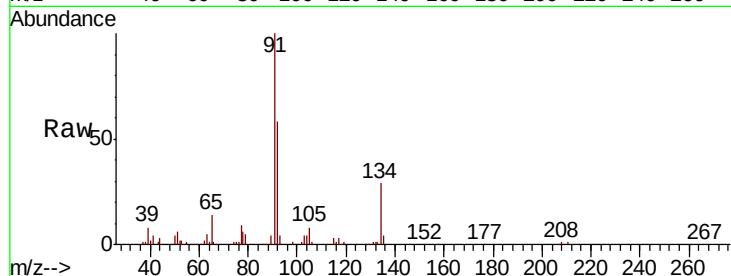
Tot Ion: 91 Resp: 49272

Ion Ratio Lower Upper

91 100

92 57.9 28.8 86.5

134 28.6 12.6 37.6



#90

Hexachloroethane

Concen: 5.792 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF059862.D

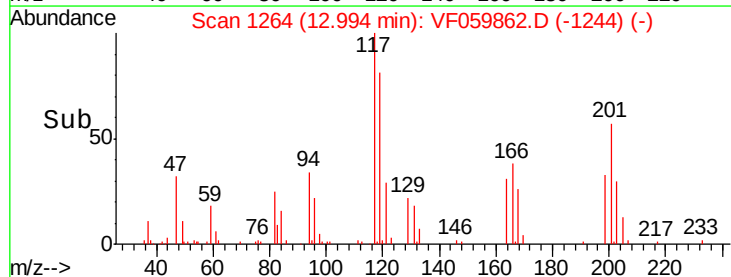
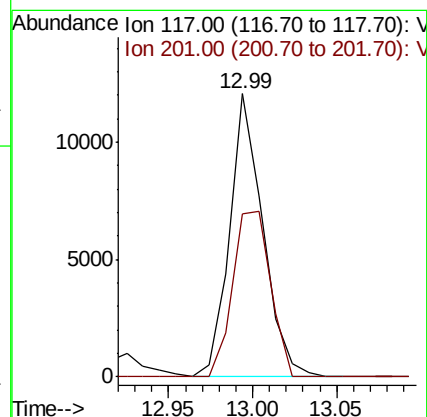
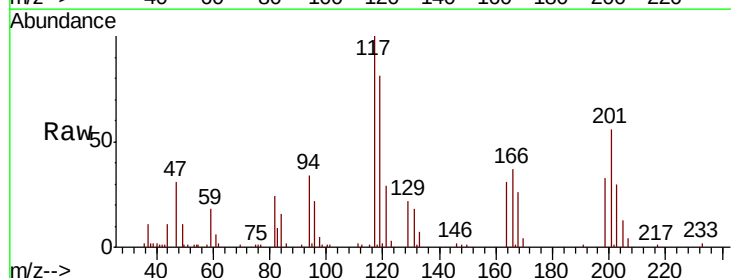
Acq: 4 Aug 2018 3:21

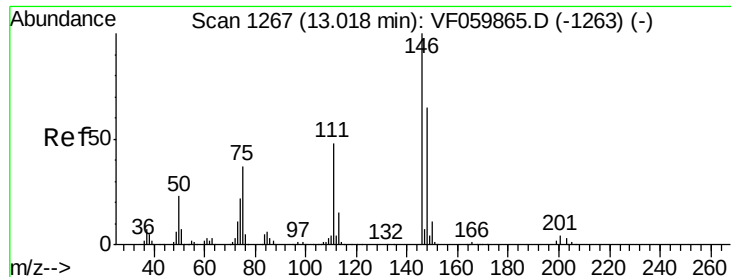
Tgt Ion: 117 Resp: 16501

Ion Ratio Lower Upper

117 100

201 57.4 36.6 109.8

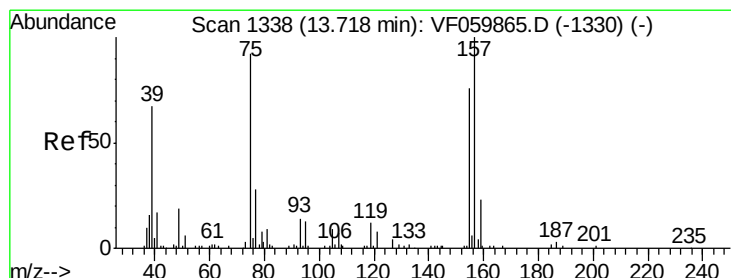
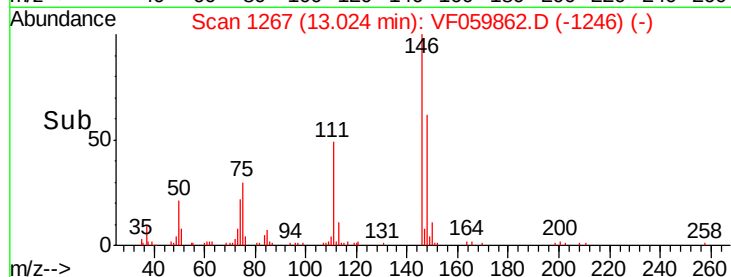
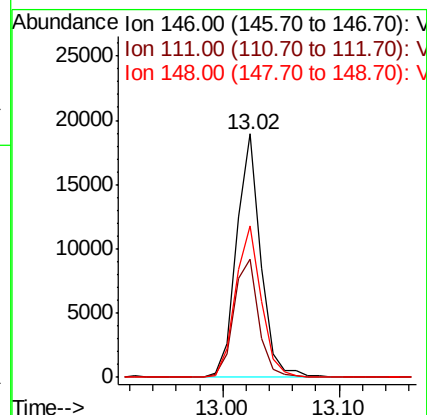
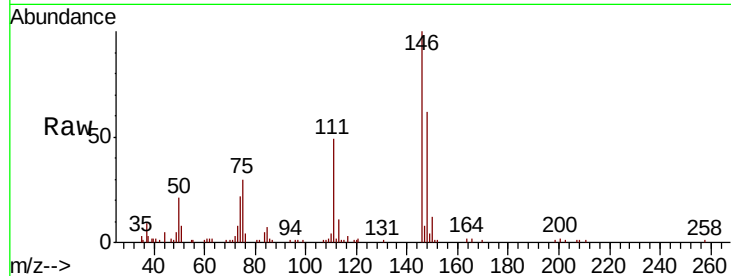




#91
 1,2-Dichlorobenzene
 Concen: 5.079 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

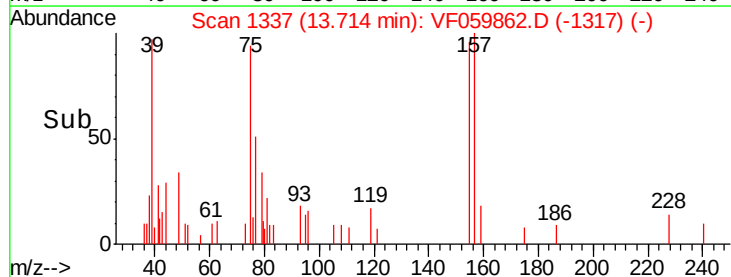
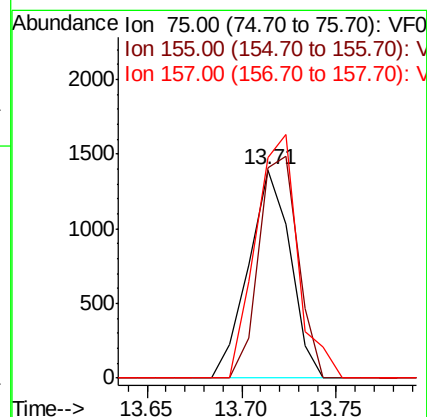
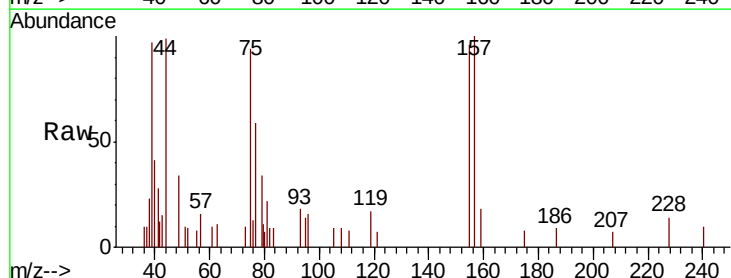
Instrument :
 MSVOA_F
 ClientSampleId :

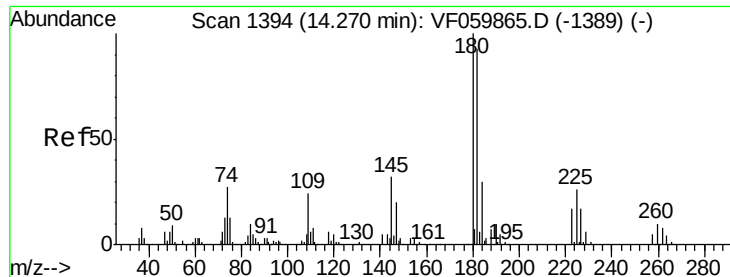
Tot Ion:146 Resp: 27252
 Ion Ratio Lower Upper
 146 100
 111 48.7 24.1 72.2
 148 62.5 32.8 98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.158 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion: 75 Resp: 2139
 Ion Ratio Lower Upper
 75 100
 155 101.3 41.2 123.6
 157 106.0 54.5 163.6

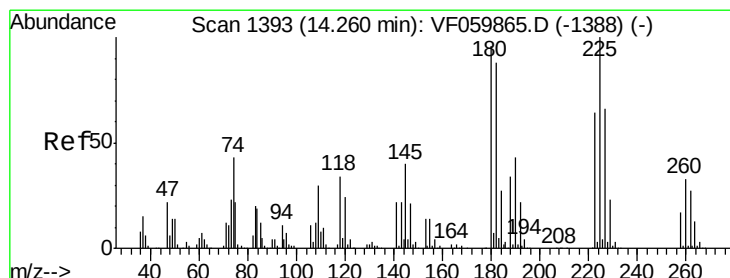
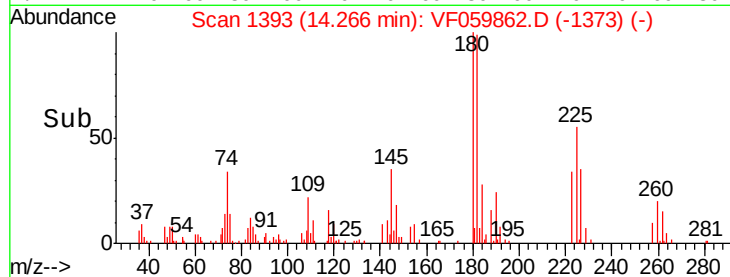
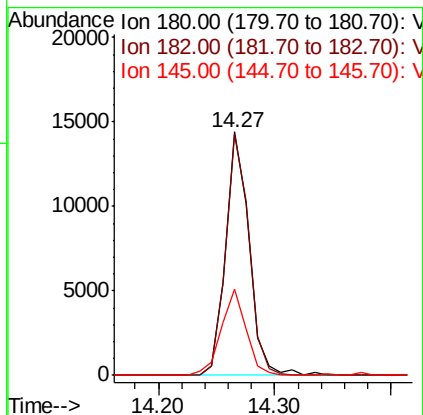
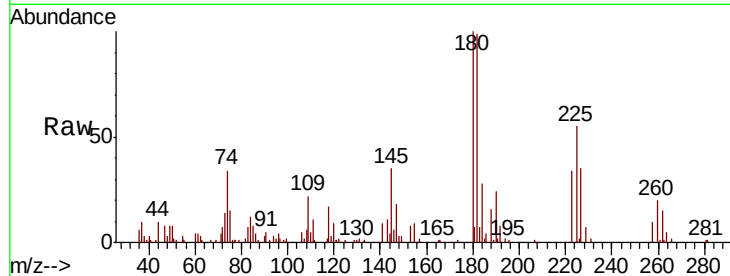




#93
 1,2,4-Trichlorobenzene
 Concen: 4.836 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

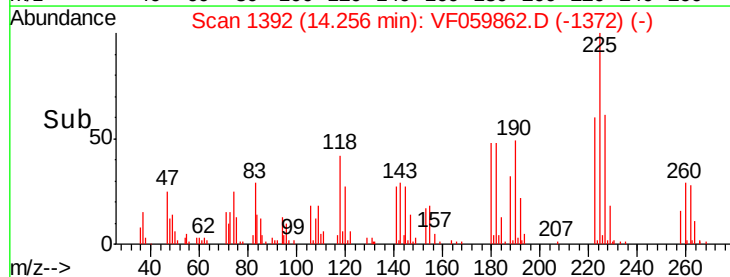
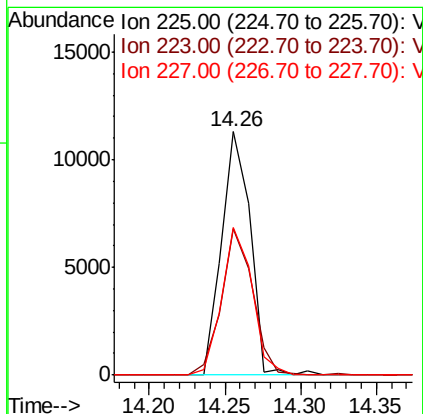
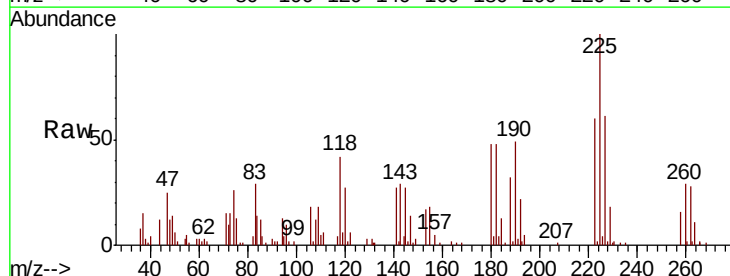
Instrument :
 MSVOA_F
 ClientSampleId :

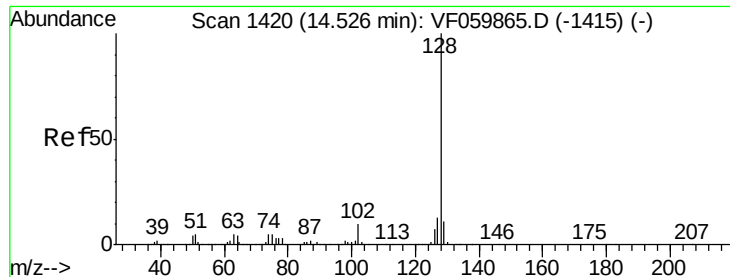
Tot Ion:180 Resp: 20165
 Ion Ratio Lower Upper
 180 100
 182 99.2 46.4 139.2
 145 35.2 15.9 47.7



#94
 Hexachlorobutadiene
 Concen: 5.296 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion:225 Resp: 14802
 Ion Ratio Lower Upper
 225 100
 223 60.0 31.9 95.9
 227 60.9 32.8 98.4

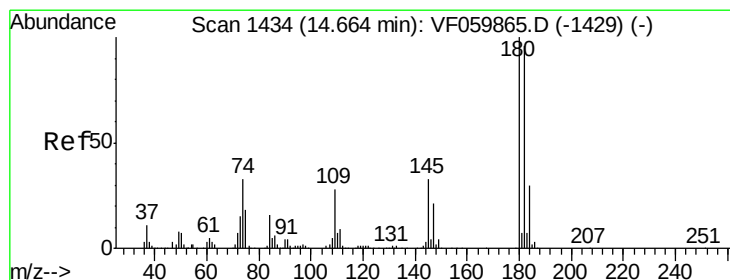
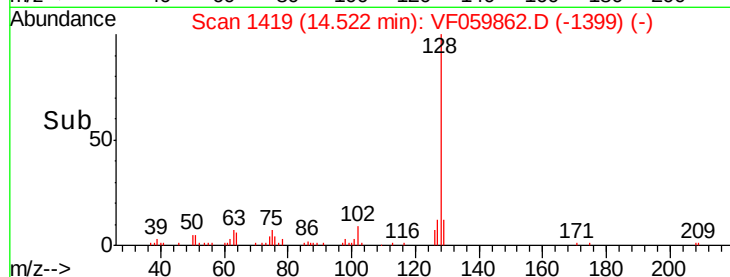
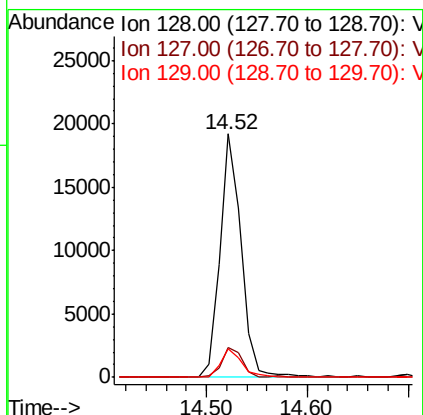
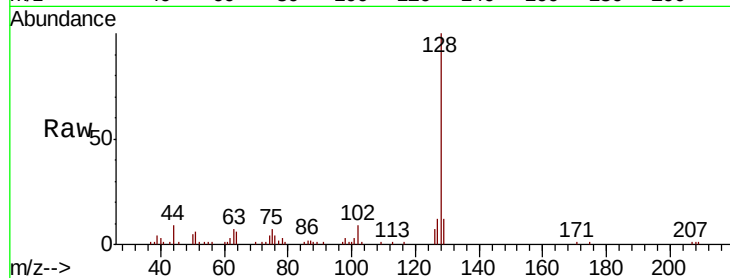




#95
Naphthalene
Concen: 3.863 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	12.0	9.0	13.6



#96
1,2,3-Trichlorobenzene
Concen: 4.560 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	48.1	144.3
145	29.5	16.6	49.8

