

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059957.D
 Acq On : 14 Aug 2018 21:00
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 15 08:55:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:56:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	129750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	188618	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	188715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	113723	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	229411	97.89	ug/l	0.00
Spiked Amount			Recovery	=	195.78%	
35) Dibromofluoromethane	4.31	113	173988	93.41	ug/l	0.00
Spiked Amount			Recovery	=	186.82%	
50) Toluene-d8	7.73	98	403245	100.80	ug/l	0.00
Spiked Amount			Recovery	=	201.60%	
62) 4-Bromofluorobenzene	11.53	95	225784	100.32	ug/l	0.00
Spiked Amount			Recovery	=	200.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	182714	84.45	ug/l	98
3) Chloromethane	1.10	50	78536	78.34	ug/l	96
4) Vinyl Chloride	1.17	62	91901	88.35	ug/l	99
5) Bromomethane	1.35	94	75597	77.55	ug/l	89
6) Chloroethane	1.44	64	60756	93.21	ug/l	94
7) Trichlorofluoromethane	1.54	101	173919	60.51	ug/l	94
8) Diethyl Ether	1.71	74	40172	89.46	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.92	101	125221	80.02	ug/l	95
10) Methyl Iodide	1.99	142	164152	68.55	ug/l	95
11) Tert butyl alcohol	2.69	59	41366	432.42	ug/l #	91
12) 1,1-Dichloroethene	1.87	96	96271	83.98	ug/l	87
13) Acrolein	2.10	56	27424	482.39	ug/l #	79
14) Allyl chloride	2.20	41	137218	74.57	ug/l	91
15) Acrylonitrile	3.09	53	65287	390.72	ug/l	94
16) Acetone	2.35	43	194868	449.18	ug/l	95
17) Carbon Disulfide	1.90	76	182567	60.57	ug/l #	93
18) Methyl Acetate	2.46	43	58160	81.46	ug/l	94
19) Methyl tert-butyl Ether	2.55	73	292308	90.01	ug/l	97
20) Methylene Chloride	2.34	84	51329	52.79	ug/l	97
21) trans-1,2-Dichloroethene	2.42	96	95183	84.00	ug/l	97
22) Diisopropyl ether	2.94	45	335177	91.27	ug/l	97
23) Vinyl Acetate	3.35	43	844929	472.61	ug/l	100
24) 1,1-Dichloroethane	3.01	63	221189	82.92	ug/l	98
25) 2-Butanone	4.52	43	217362	466.88	ug/l	97
26) 2,2-Dichloropropane	3.78	77	140822	88.88	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	109747	86.99	ug/l	96
28) Bromochloromethane	3.91	49	82141	85.90	ug/l	88
29) Tetrahydrofuran	4.27	42	74754	436.23	ug/l	97
30) Chloroform	4.06	83	314179	86.97	ug/l	95
31) Cyclohexane	3.89	56	116928	88.79	ug/l	92
32) 1,1,1-Trichloroethane	4.29	97	252589	87.31	ug/l	96
36) 1,1-Dichloropropene	4.48	75	199520	93.19	ug/l	98
37) Ethyl Acetate	4.30	43	84148	91.60	ug/l #	67
38) Carbon Tetrachloride	4.19	117	302840	94.83	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	146432	91.68	ug/l	95
40) Benzene	4.82	78	344416	95.36	ug/l	93
41) Methacrylonitrile	4.93	41	42908	89.24	ug/l	86
42) 1,2-Dichloroethane	5.14	62	259404	86.87	ug/l	96
43) Isopropyl Acetate	7.12	43	95560	98.77	ug/l	# 100
44) Trichloroethene	5.69	130	126513	88.82	ug/l	93
45) 1,2-Dichloropropane	6.42	63	89302	90.77	ug/l	94
46) Dibromomethane	6.27	93	87799	88.01	ug/l	93
47) Bromodichloromethane	6.57	83	252934	92.56	ug/l	97
48) Methyl methacrylate	6.89	41	78731	105.43	ug/l	93
49) 1,4-Dioxane	6.87	88	11246	1967.72	ug/l	93
51) 4-Methyl-2-Pentanone	8.42	43	444627	452.47	ug/l	98
52) Toluene	7.80	92	249858	91.87	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	201953	95.45	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	211453	97.79	ug/l	98
55) 1,1,2-Trichloroethane	8.66	97	88560	90.54	ug/l	95
56) Ethyl methacrylate	8.78	69	101287	90.50	ug/l	95
57) 1,3-Dichloropropane	9.01	76	158117	93.11	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.80	63	62035	479.45	ug/l	100
59) 2-Hexanone	9.64	43	335314	480.18	ug/l	95
60) Dibromochloromethane	8.89	129	174740	94.76	ug/l	96
61) 1,2-Dibromoethane	9.15	107	111575	93.64	ug/l	92
64) Tetrachloroethene	8.32	164	134326	85.19	ug/l	99
65) Chlorobenzene	9.96	112	325071	86.01	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.09	131	163562	87.59	ug/l	96
67) Ethyl Benzene	10.06	91	618998	94.61	ug/l	97
68) m/p-Xylenes	10.28	106	397797	175.80	ug/l	99
69) o-Xylene	10.85	106	227143	95.67	ug/l	99
70) Styrene	10.92	104	333070	92.94	ug/l	99
71) Bromoform	10.91	173	101103	87.77	ug/l	96
73) Isopropylbenzene	11.24	105	718940	102.16	ug/l	100
74) N-amyl acetate	11.48	43	172506	95.57	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	118053	90.01	ug/l	98
76) 1,2,3-Trichloropropane	11.90	75	102031	90.10	ug/l	94
77) Bromobenzene	11.61	156	183322	95.52	ug/l	88
78) n-propylbenzene	11.70	91	796083	95.61	ug/l	95
79) 2-Chlorotoluene	11.82	91	516426	98.53	ug/l	98
80) 1,3,5-Trimethylbenzene	11.93	105	655898	100.43	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.97	75	62195	138.20	ug/l	84
82) 4-Chlorotoluene	12.00	91	563735	97.88	ug/l	98
83) tert-Butylbenzene	12.23	119	643421	100.57	ug/l	95
84) 1,2,4-Trimethylbenzene	12.30	105	663069	97.94	ug/l	99
85) sec-Butylbenzene	12.40	105	813929	95.94	ug/l	95
86) p-Isopropyltoluene	12.55	119	725624	102.09	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	328720	90.47	ug/l	99
88) 1,4-Dichlorobenzene	12.66	146	344351	96.27	ug/l	96
89) n-Butylbenzene	12.93	91	691592	100.87	ug/l	98
90) Hexachloroethane	13.01	117	182954	94.41	ug/l	81
91) 1,2-Dichlorobenzene	13.04	146	326609	93.75	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.73	75	33325	100.67	ug/l	87

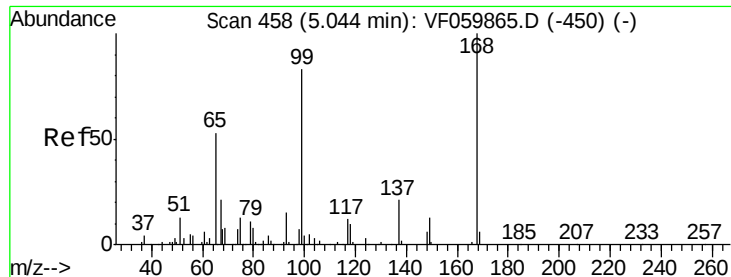
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	256902	95.84	ug/l	96
94) Hexachlorobutadiene	14.27	225	187188	98.67	ug/l	97
95) Naphthalene	14.53	128	468570	102.16	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	259621	99.02	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

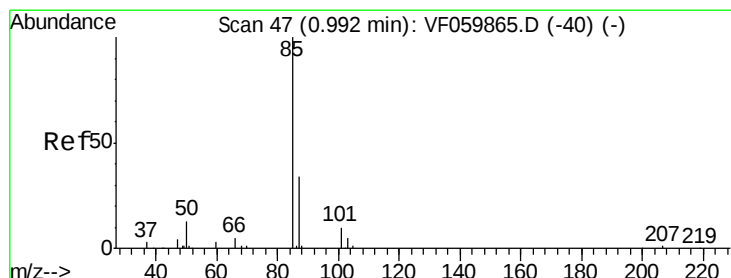
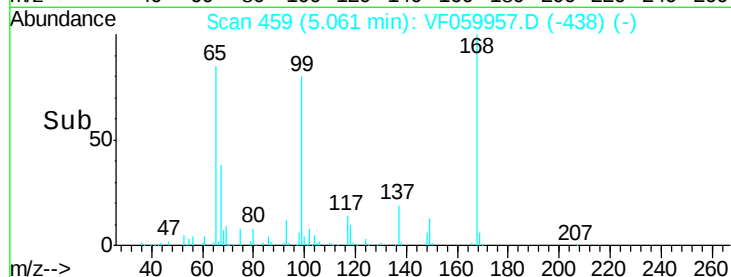
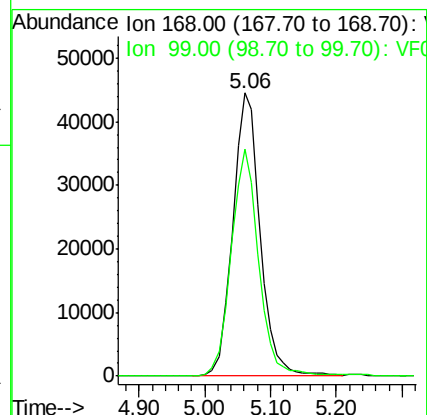
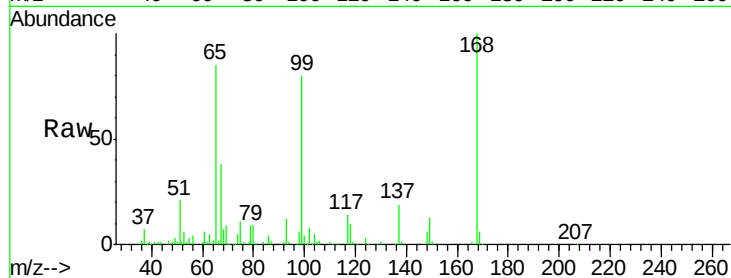
VSTDIC100

Tot Ion:168 Resp: 129750

Ion Ratio Lower Upper

168 100

99 80.3 67.4 101.0



#2

Dichlorodifluoromethane

Concen: 84.45 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059957.D

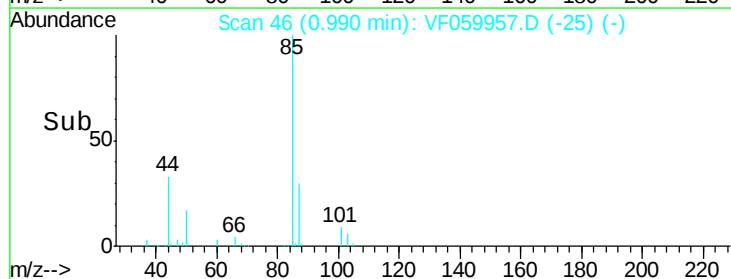
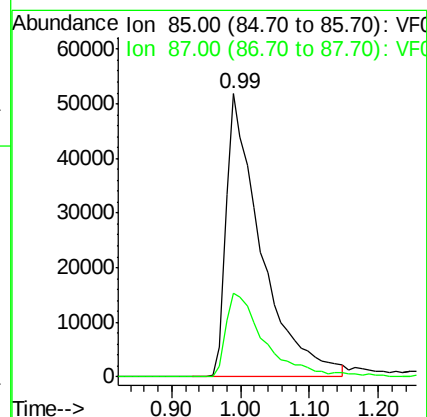
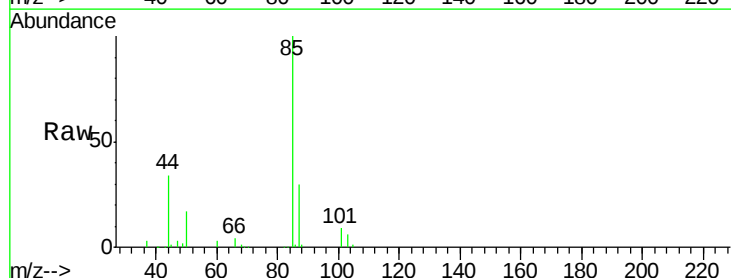
Acq: 14 Aug 2018 21:00

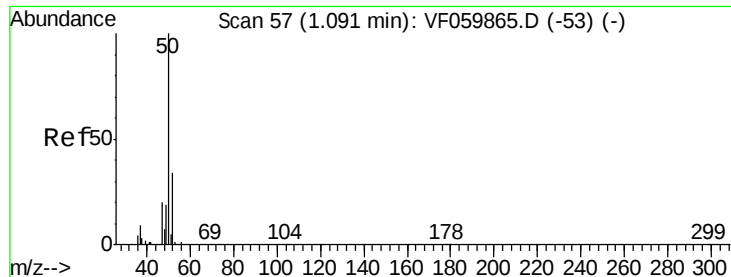
Tgt Ion: 85 Resp: 182714

Ion Ratio Lower Upper

85 100

87 29.8 14.4 43.4





#3

Chloromethane

Concen: 78.34 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

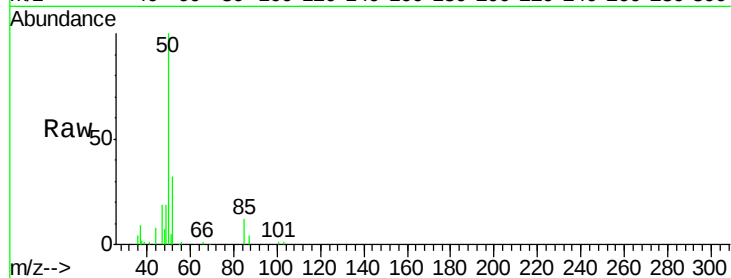
VSTDIC100

Tot Ion: 50 Resp: 78536

Ion Ratio Lower Upper

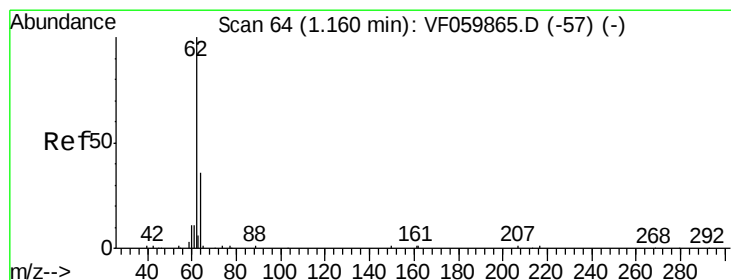
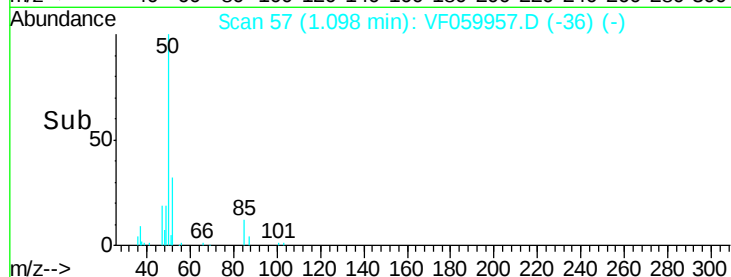
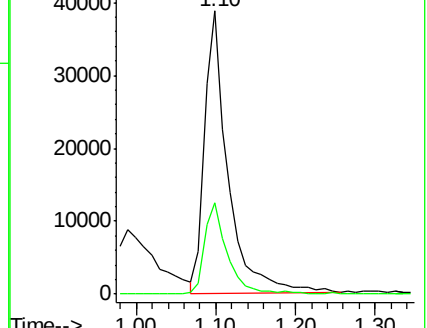
50 100

52 32.3 24.2 36.2



Abundance Ion 50.00 (49.70 to 50.70): VF059865.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VF059865.D (-53) (-)



#4

Vinyl Chloride

Concen: 88.35 ug/l

RT: 1.17 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF059957.D

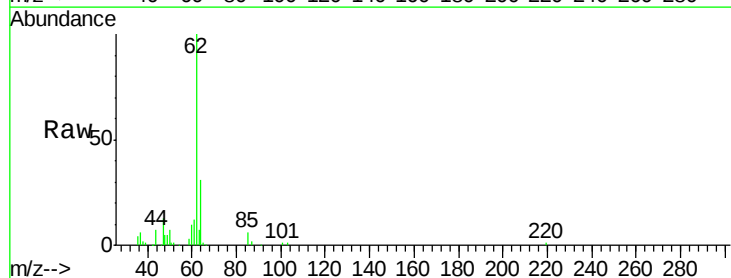
Acq: 14 Aug 2018 21:00

Tgt Ion: 62 Resp: 91901

Ion Ratio Lower Upper

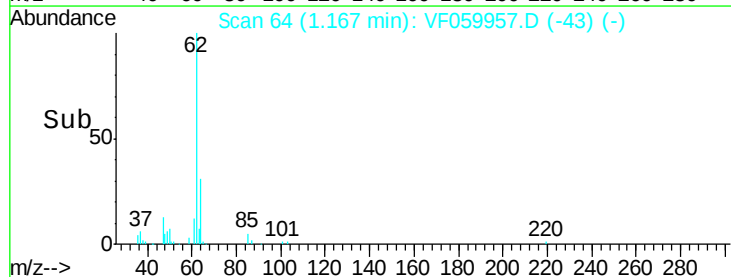
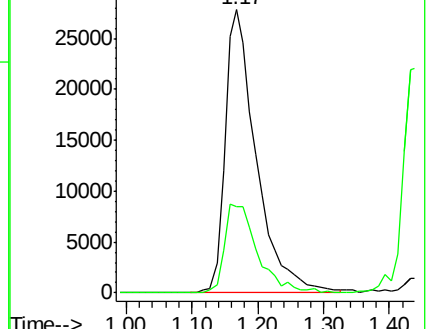
62 100

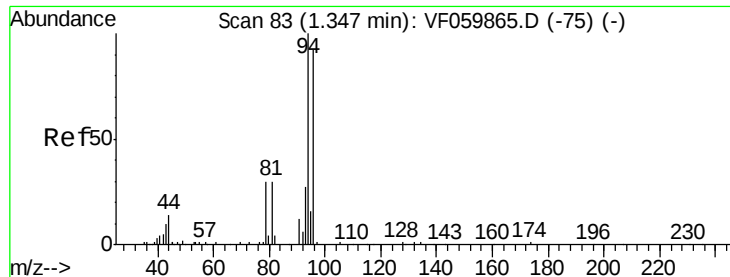
64 30.5 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VF059865.D (-57) (-)

Ion 64.00 (63.70 to 64.70): VF059865.D (-57) (-)





#5

Bromomethane

Concen: 77.55 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

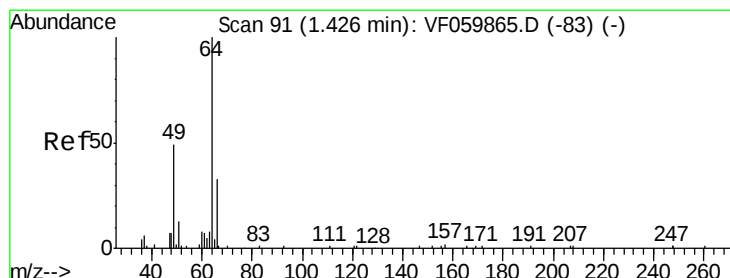
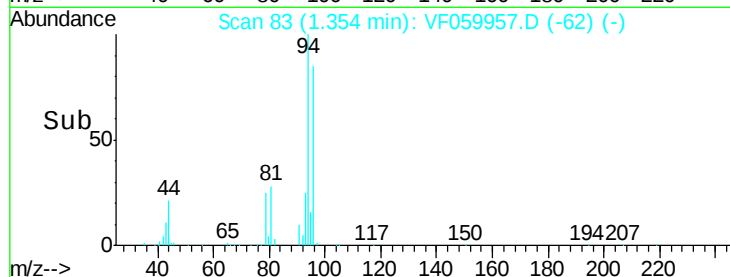
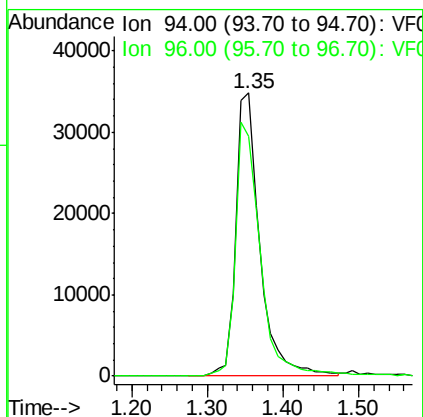
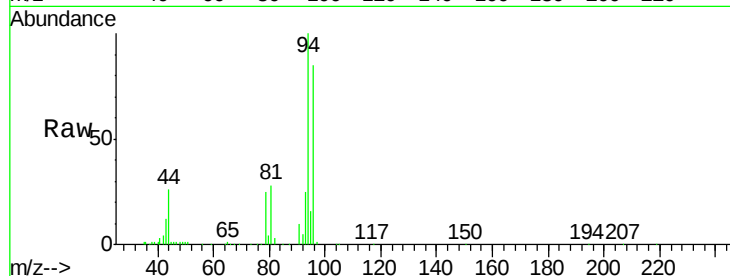
VSTDIC100

Tot Ion: 94 Resp: 75597

Ion Ratio Lower Upper

94 100

96 84.9 76.3 114.5



#6

Chloroethane

Concen: 93.21 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.01 min

Lab File: VF059957.D

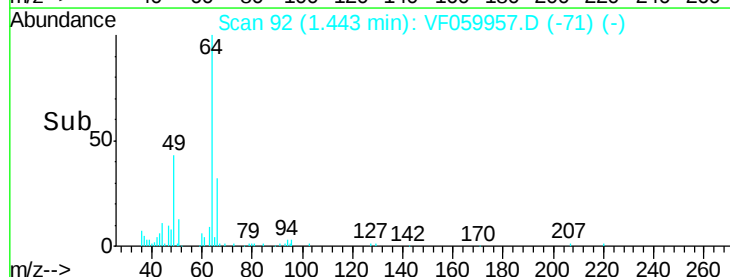
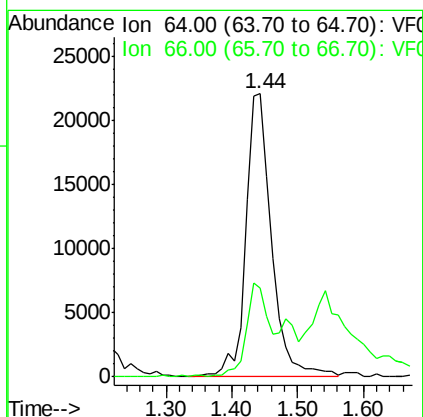
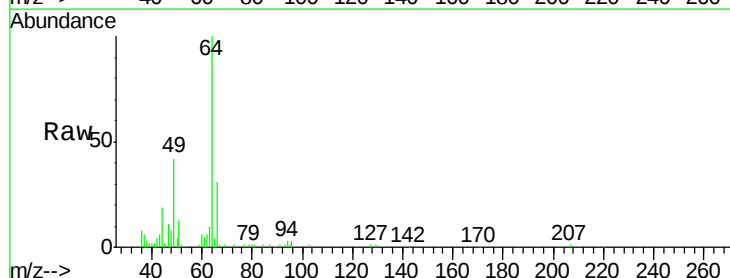
Acq: 14 Aug 2018 21:00

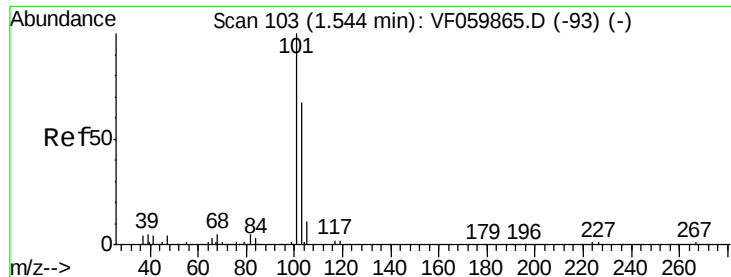
Tgt Ion: 64 Resp: 60756

Ion Ratio Lower Upper

64 100

66 31.5 28.2 42.2



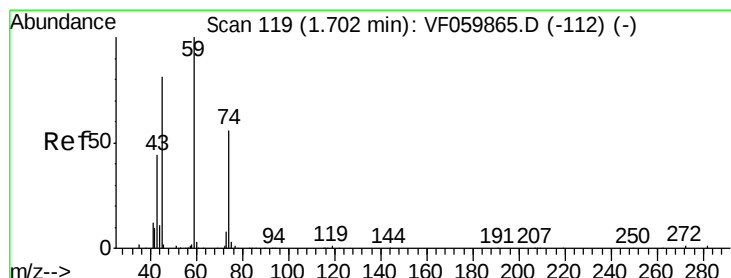
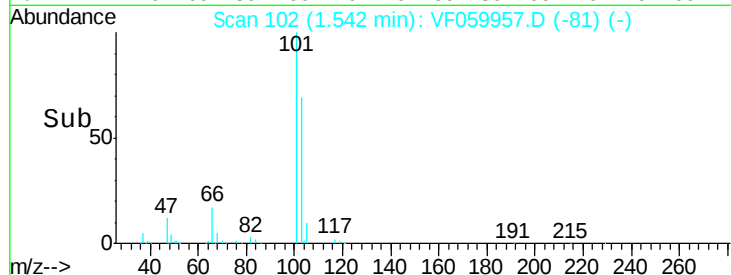
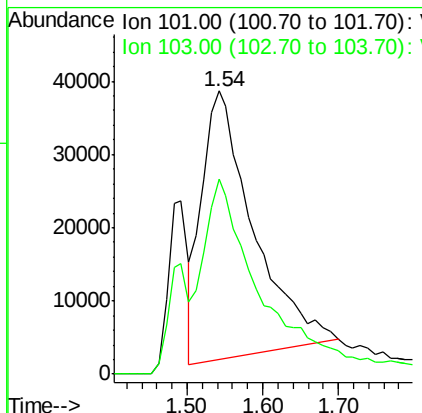
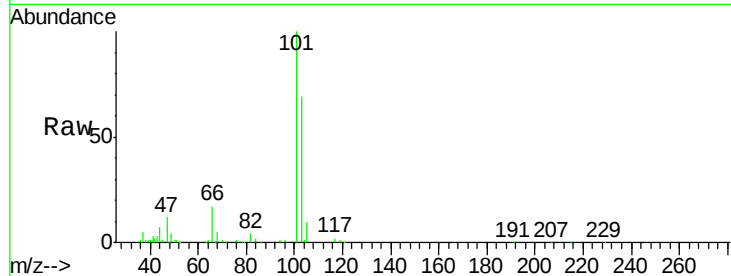


#7

Trichlorofluoromethane
 Concen: 60.51 ug/l
 RT: 1.54 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

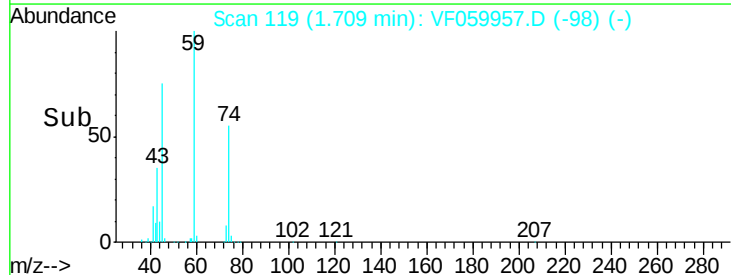
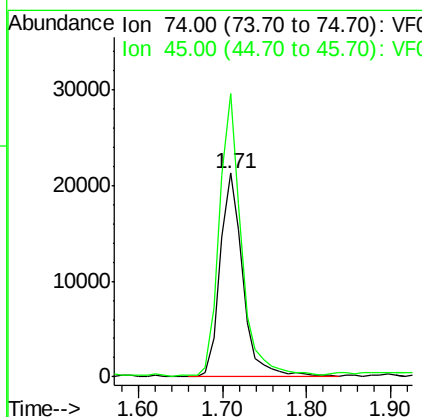
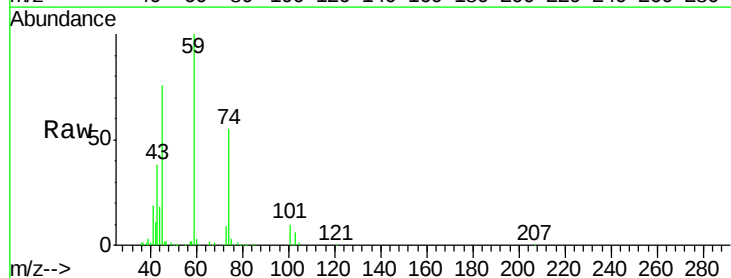
Tot Ion:101 Resp: 173919
 Ion Ratio Lower Upper
 101 100
 103 69.0 51.6 77.4

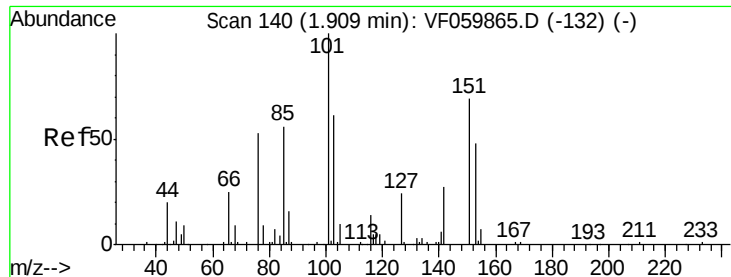


#8

Diethyl Ether
 Concen: 89.46 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Tgt Ion: 74 Resp: 40172
 Ion Ratio Lower Upper
 74 100
 45 138.8 77.5 232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 80.02 ug/l

RT: 1.92 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

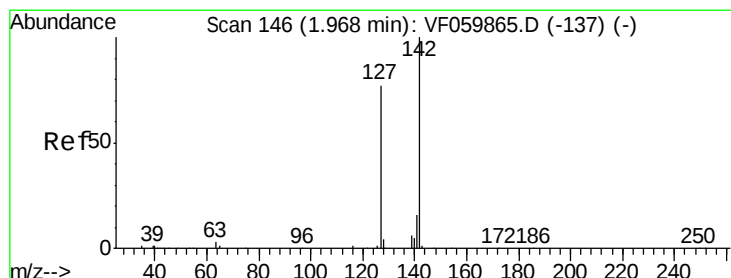
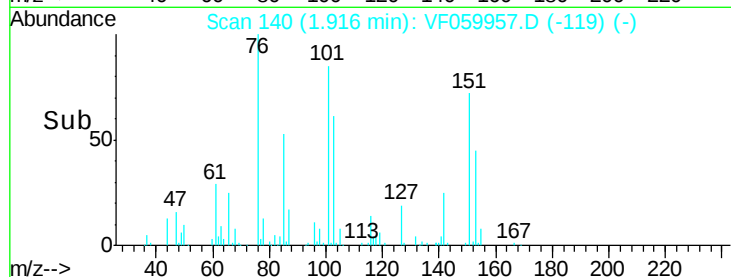
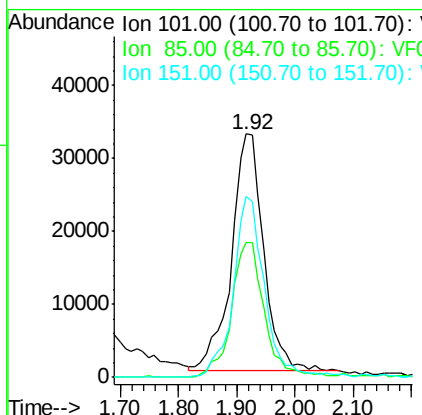
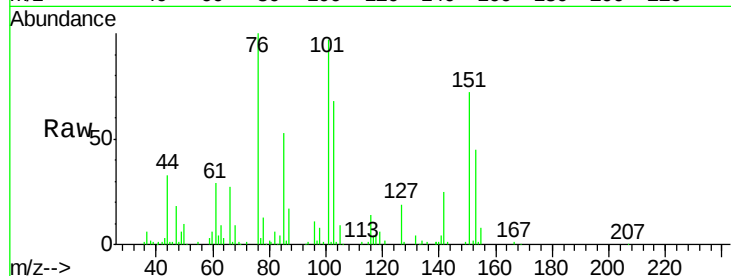
Tot Ion:101 Resp: 125221

Ion Ratio Lower Upper

101 100

85 55.3 42.1 63.1

151 74.3 55.4 83.0



#10

Methyl Iodide

Concen: 68.55 ug/l

RT: 1.99 min Scan# 147

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

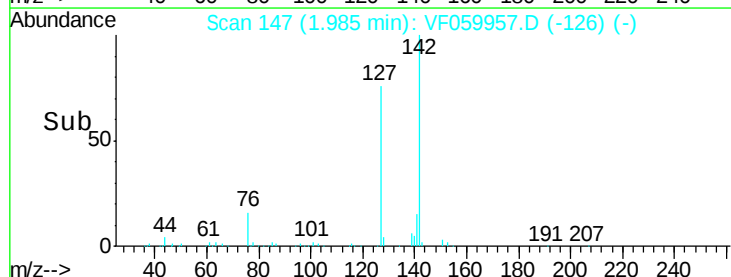
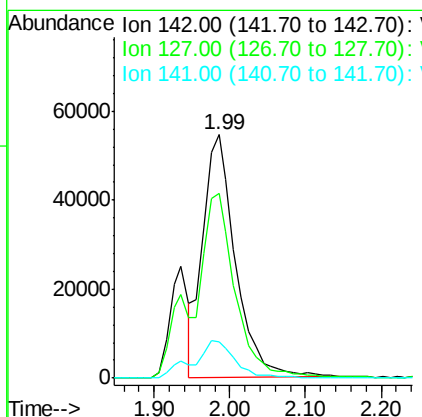
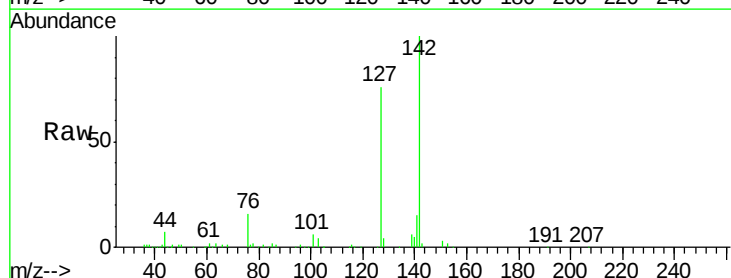
Tgt Ion:142 Resp: 164152

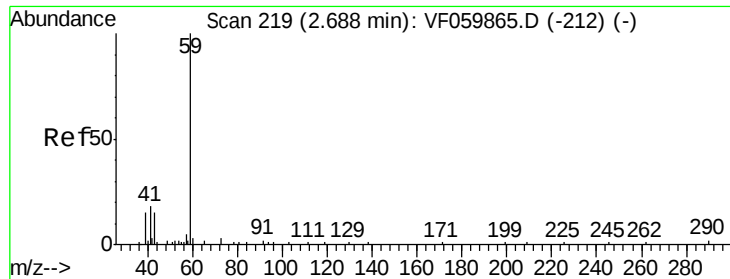
Ion Ratio Lower Upper

142 100

127 75.9 64.5 96.7

141 15.0 10.8 16.2



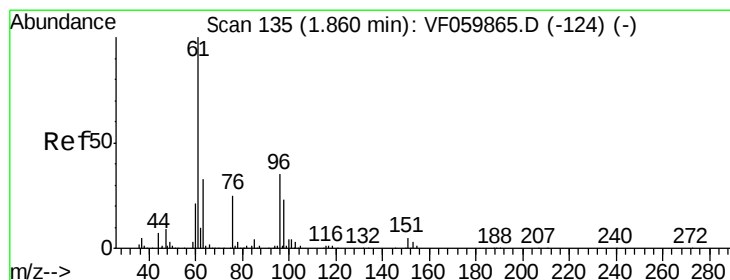
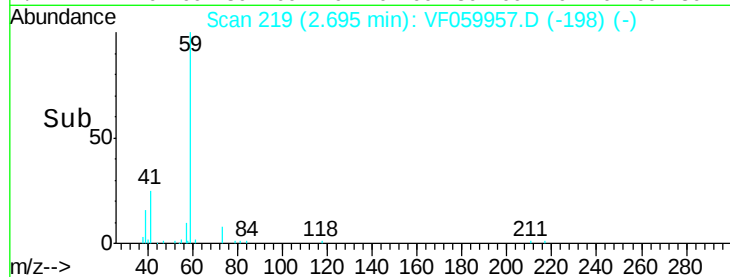
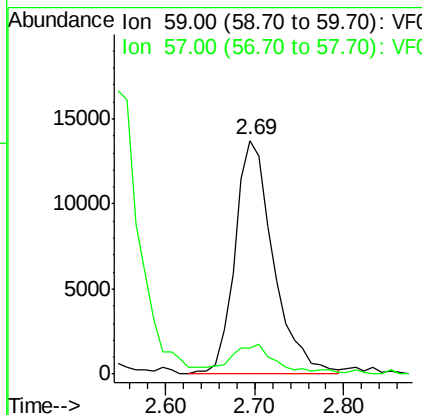
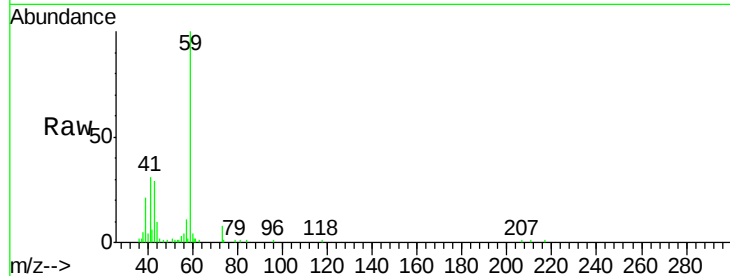


#11

Tert butyl alcohol
 Concen: 432.42 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

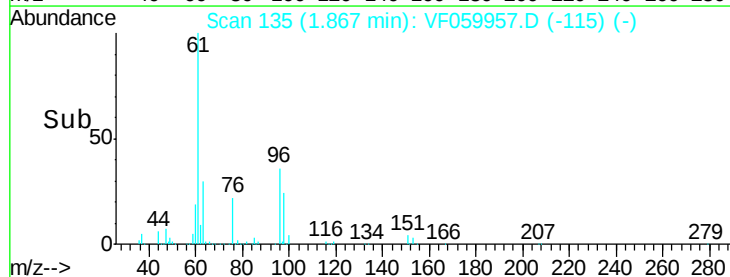
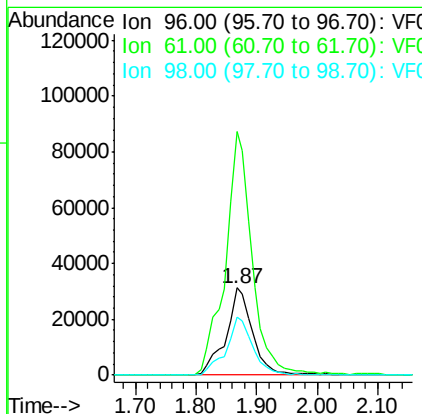
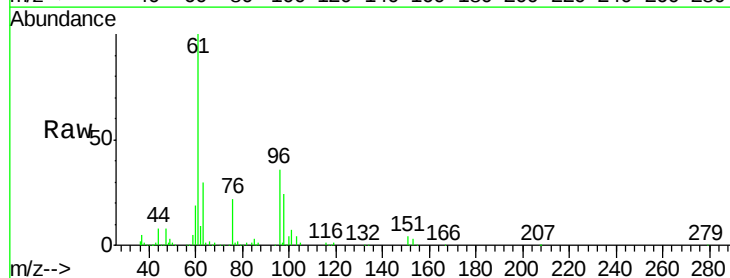
Tot Ion: 59 Resp: 41366
 Ion Ratio Lower Upper
 59 100
 57 11.3 12.0 18.0#

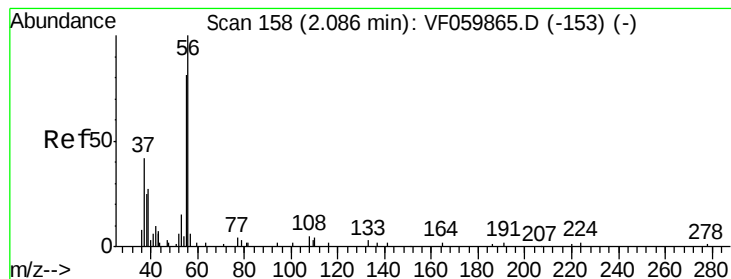


#12

1,1-Dichloroethene
 Concen: 83.98 ug/l
 RT: 1.87 min Scan# 135
 Delta R.T. -0.00 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Tgt Ion: 96 Resp: 96271
 Ion Ratio Lower Upper
 96 100
 61 279.3 201.0 301.4
 98 67.1 51.9 77.9





#13

Acrolein

Concen: 482.39 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

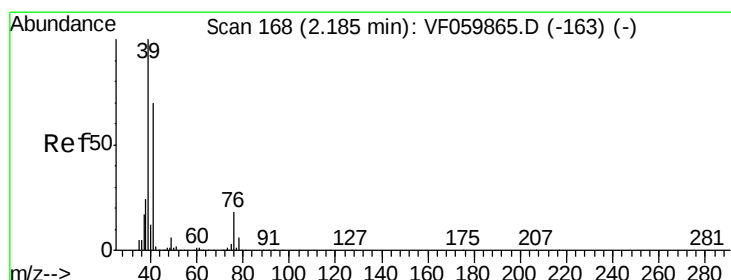
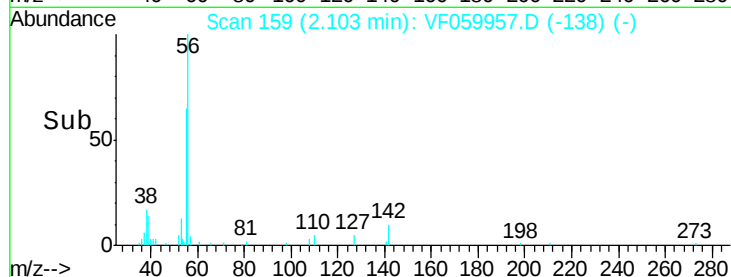
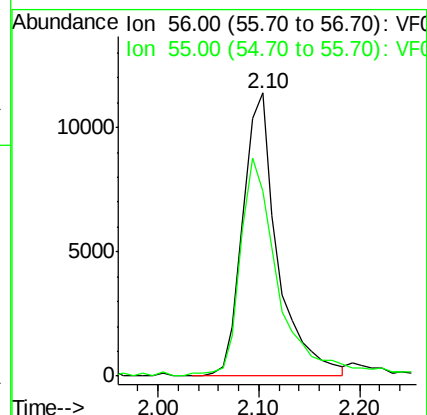
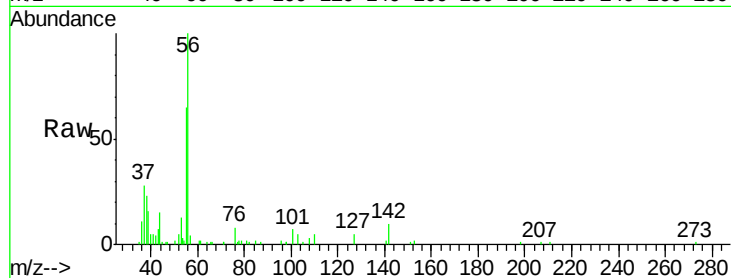
VSTDIC100

Tot Ion: 56 Resp: 27424

Ion Ratio Lower Upper

56 100

55 65.2 67.4 101.2#



#14

Allyl chloride

Concen: 74.57 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

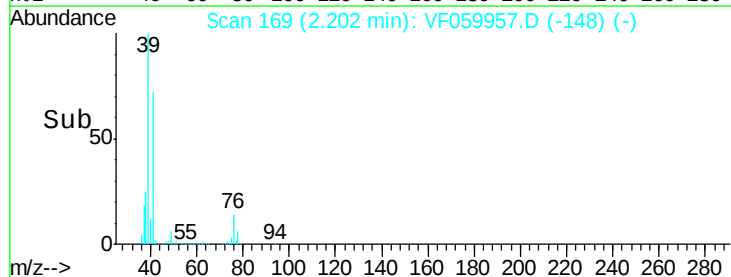
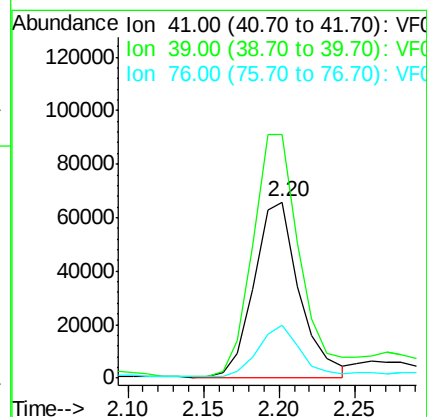
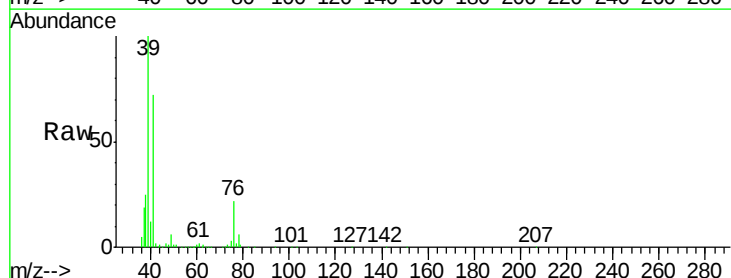
Tgt Ion: 41 Resp: 137218

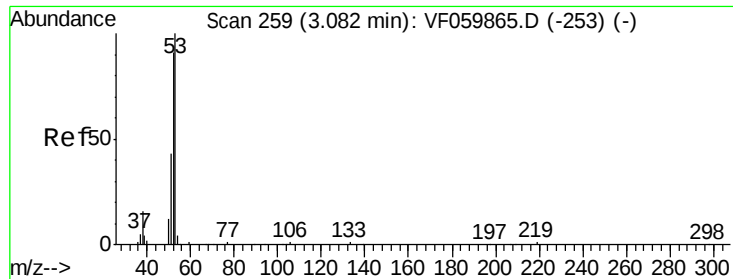
Ion Ratio Lower Upper

41 100

39 138.3 121.0 181.4

76 30.0 23.6 35.4





#15

Acrylonitrile

Concen: 390.72 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

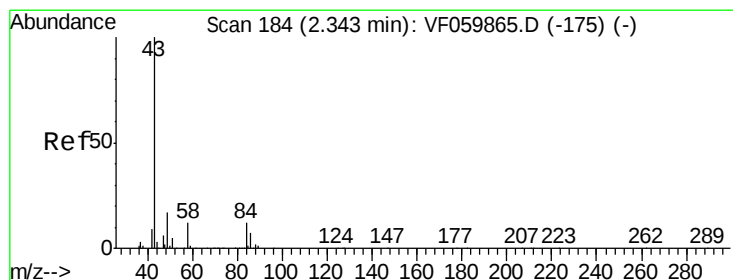
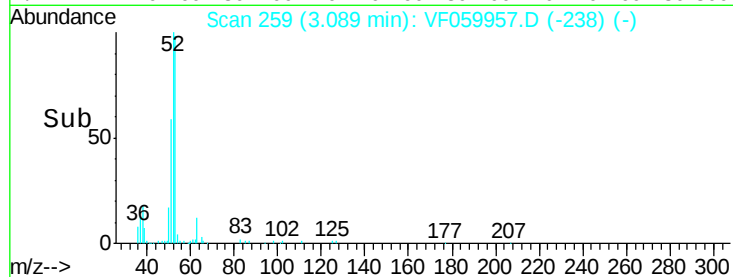
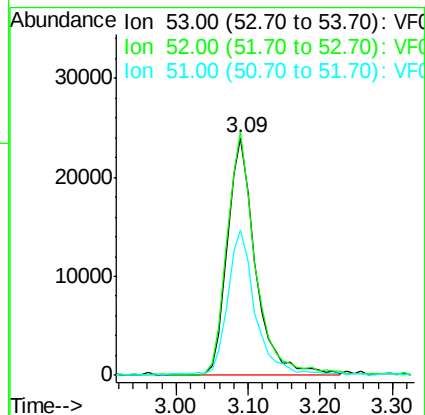
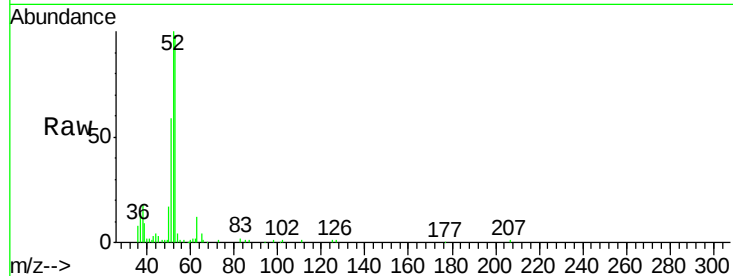
MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 65287

Ion	Ratio	Lower	Upper
53	100		
52	102.5	78.1	117.1
51	60.9	44.2	66.4



#16

Acetone

Concen: 449.18 ug/l

RT: 2.35 min Scan# 184

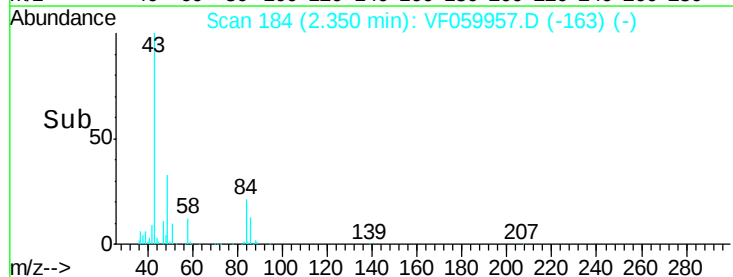
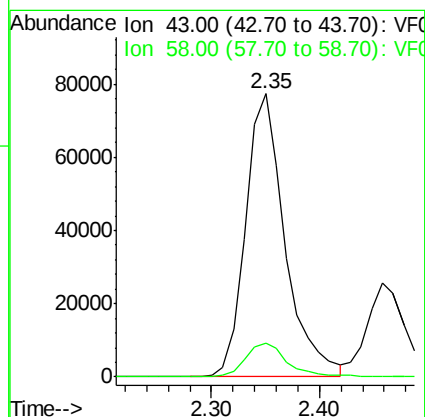
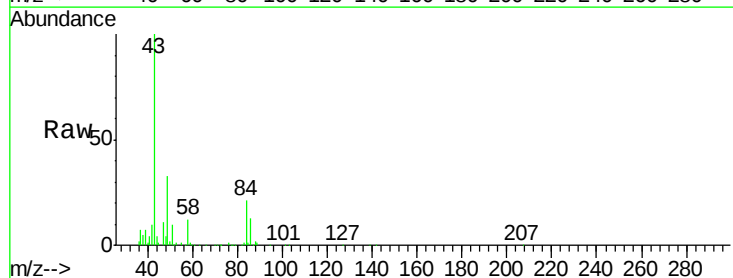
Delta R.T. 0.01 min

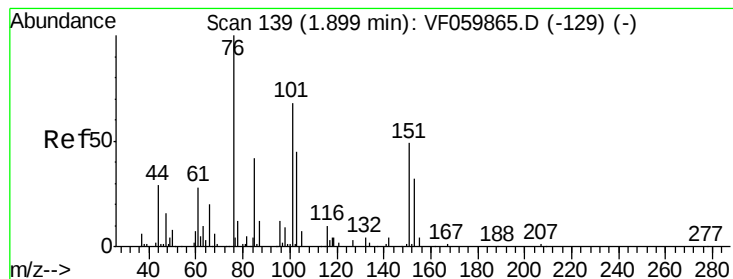
Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Tgt Ion: 43 Resp: 194868

Ion	Ratio	Lower	Upper
43	100		
58	11.9	8.1	12.1





#17

Carbon Disulfide

Concen: 60.57 ug/l

RT: 1.90 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

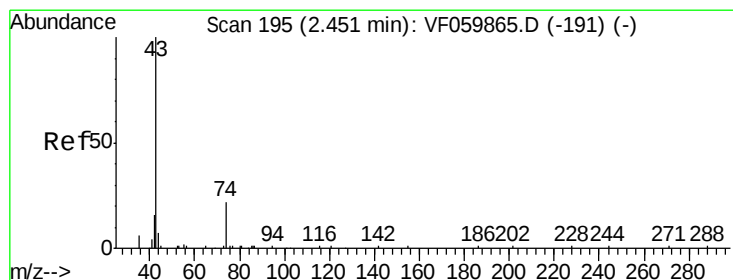
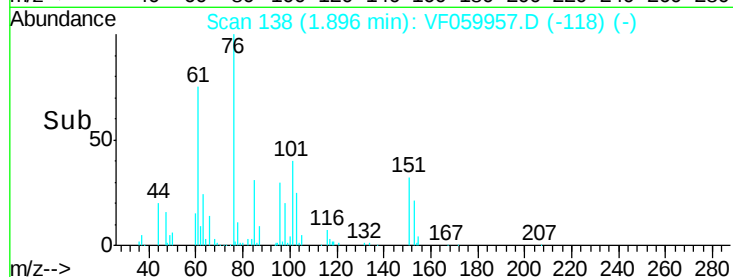
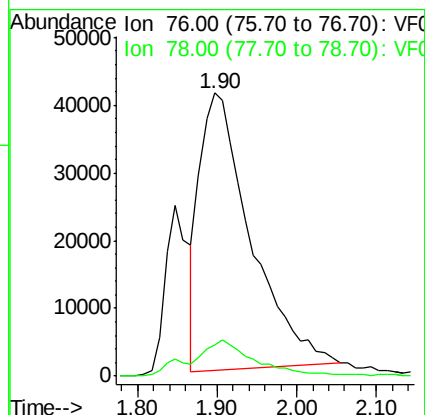
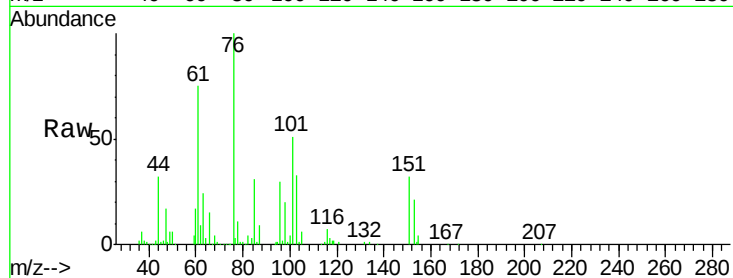
VSTDIC100

Tot Ion: 76 Resp: 182567

Ion Ratio Lower Upper

76 100

78 11.2 11.4 17.0#



#18

Methyl Acetate

Concen: 81.46 ug/l

RT: 2.46 min Scan# 195

Delta R.T. -0.00 min

Lab File: VF059957.D

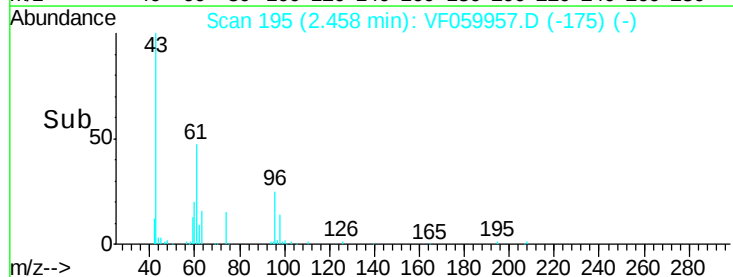
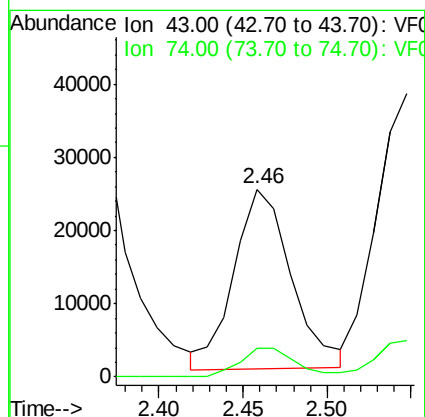
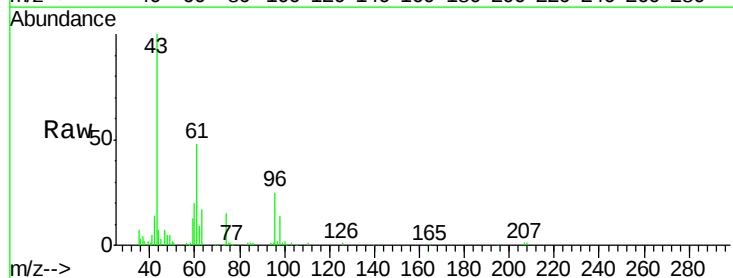
Acq: 14 Aug 2018 21:00

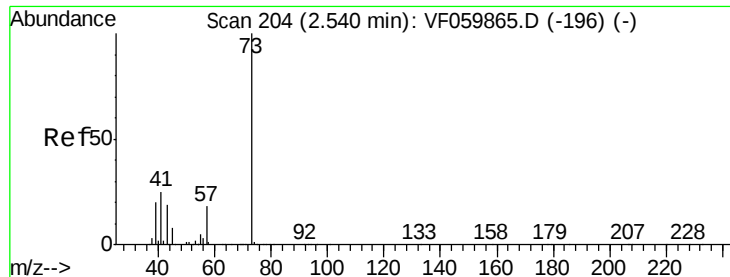
Tgt Ion: 43 Resp: 58160

Ion Ratio Lower Upper

43 100

74 15.1 14.3 21.5

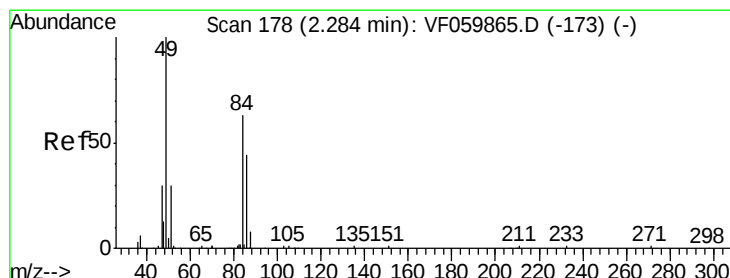
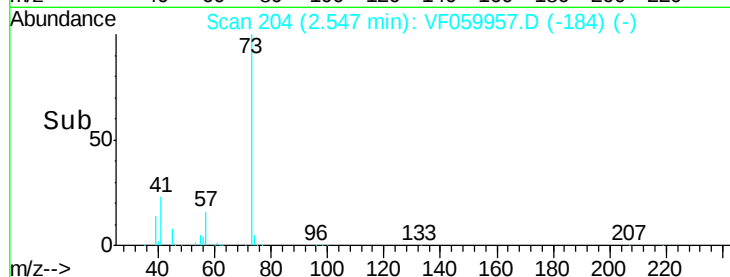
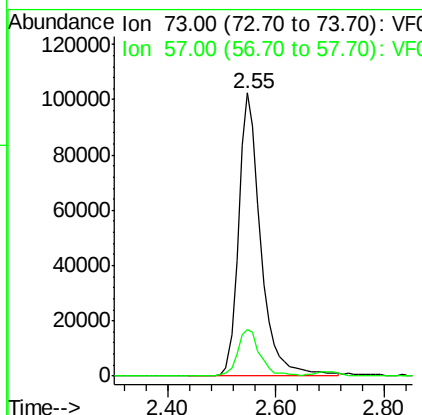
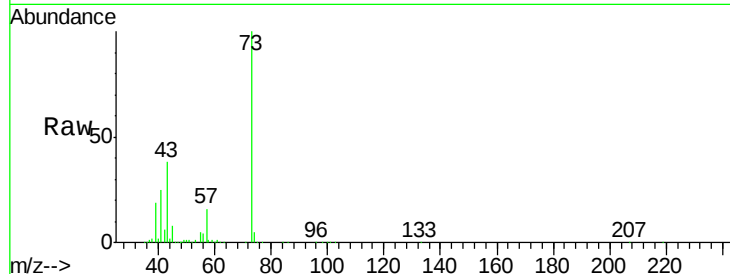




#19
Methvl tert-butvl Ether
Concen: 90.01 ug/l
RT: 2.55 min Scan# 204
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

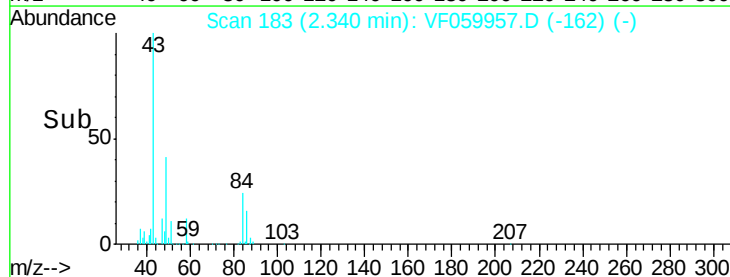
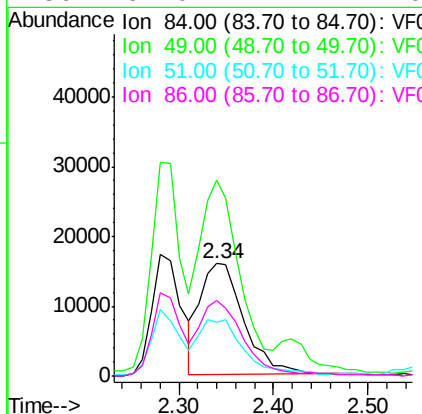
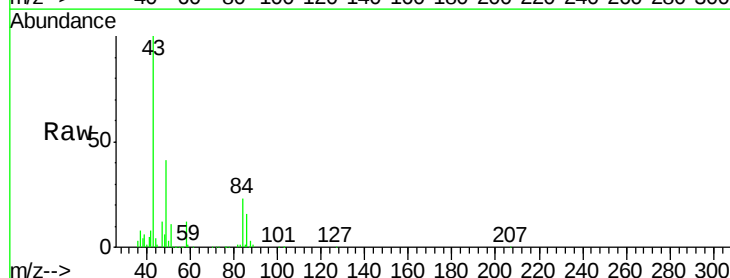
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

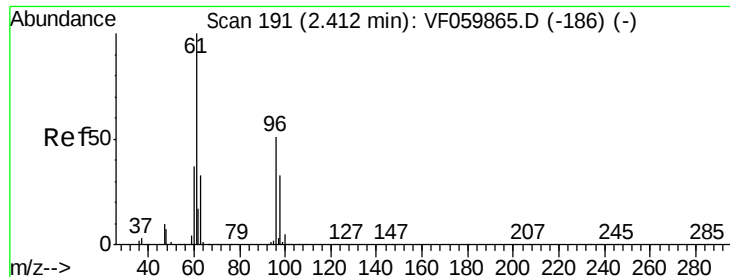
Tot Ion: 73 Resp: 292308
Ion Ratio Lower Upper
73 100
57 16.2 14.0 21.0



#20
Methylene Chloride
Concen: 52.79 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion: 84 Resp: 51329
Ion Ratio Lower Upper
84 100
49 173.8 138.6 207.8
51 47.9 40.2 60.4
86 67.0 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 84.00 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

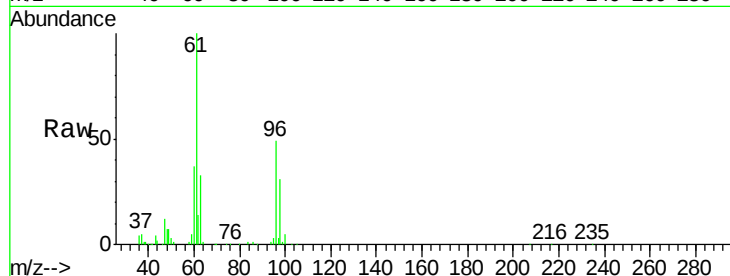
Tot Ion: 96 Resp: 95183

Ion Ratio Lower Upper

96 100

61 202.8 159.5 239.3

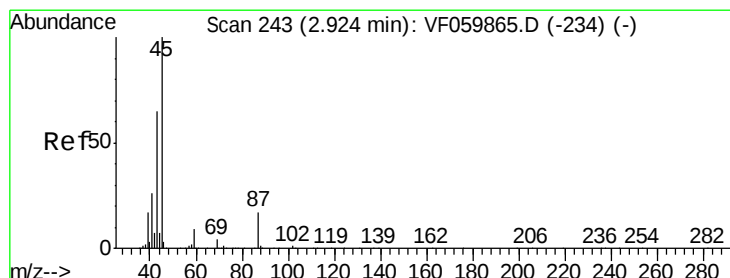
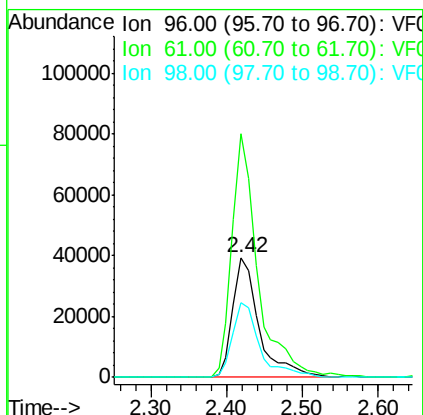
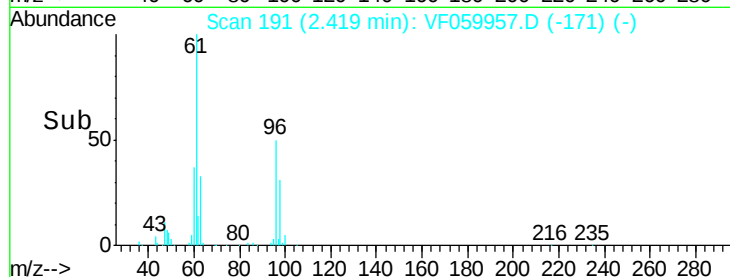
98 62.3 53.8 80.6



Abundance Ion 96.00 (95.70 to 96.70): VF059865.D (-186) (-)

Ion 61.00 (60.70 to 61.70): VF059865.D (-186) (-)

Ion 98.00 (97.70 to 98.70): VF059865.D (-186) (-)



#22

Diisopropyl ether

Concen: 91.27 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Tgt Ion: 45 Resp: 335177

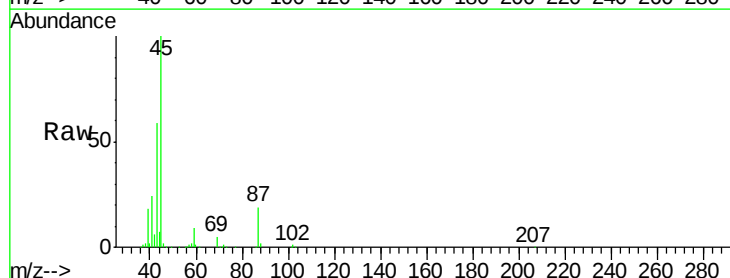
Ion Ratio Lower Upper

45 100

43 58.5 48.7 73.1

87 18.5 15.3 22.9

59 9.3 8.5 12.7

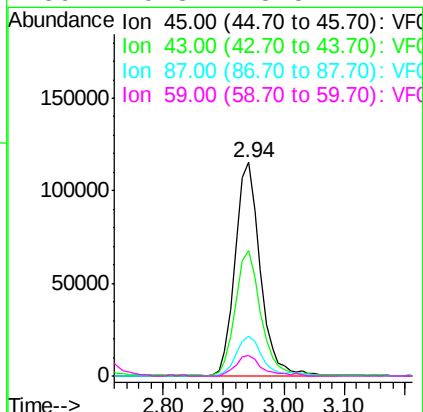
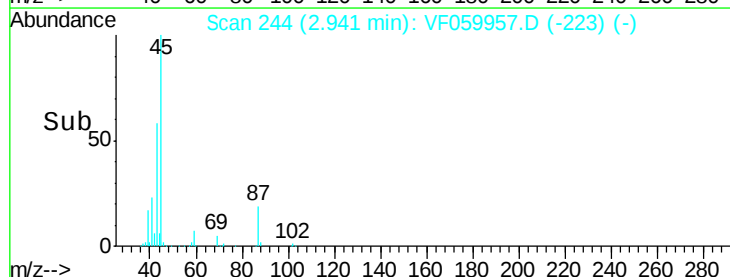


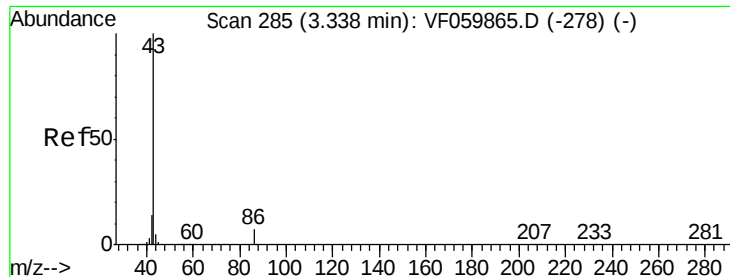
Abundance Ion 45.00 (44.70 to 45.70): VF059865.D (-234) (-)

Ion 43.00 (42.70 to 43.70): VF059865.D (-234) (-)

Ion 87.00 (86.70 to 87.70): VF059865.D (-234) (-)

Ion 59.00 (58.70 to 59.70): VF059865.D (-234) (-)





#23

Vinyl Acetate

Concen: 472.61 ug/l

RT: 3.35 min Scan# 285

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

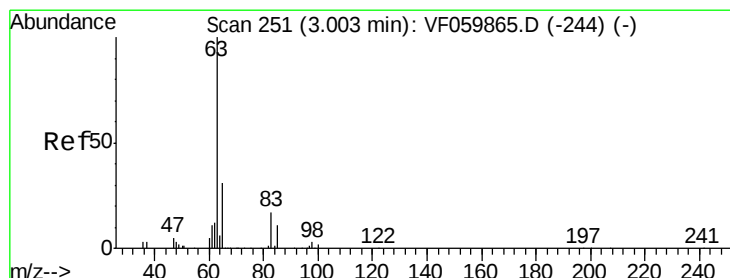
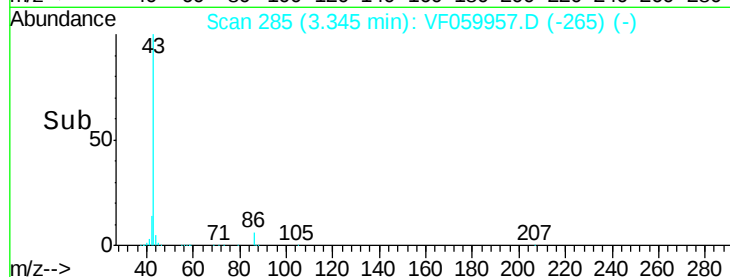
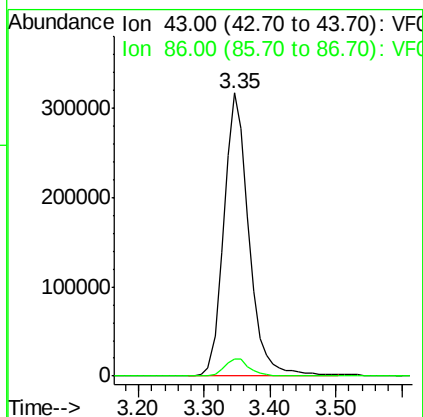
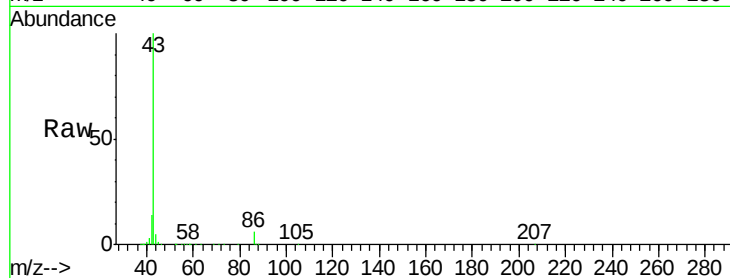
VSTDIC100

Tot Ion: 43 Resp: 844929

Ion Ratio Lower Upper

43 100

86 6.1 4.9 7.3



#24

1,1-Dichloroethane

Concen: 82.92 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

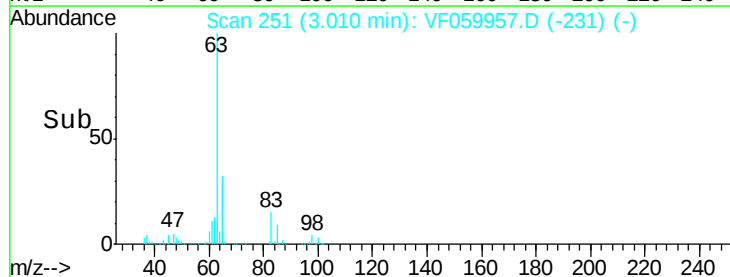
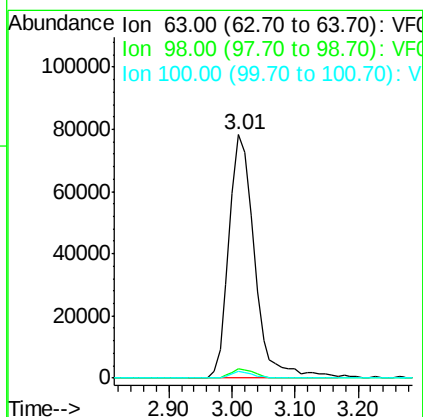
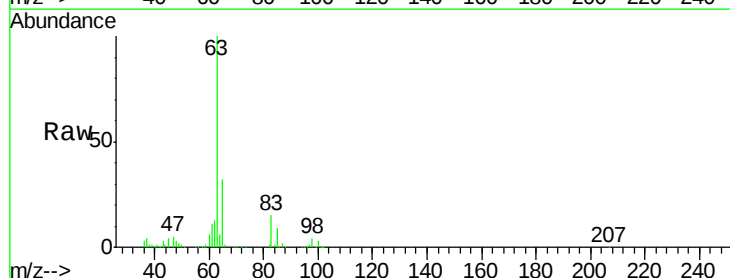
Tgt Ion: 63 Resp: 221189

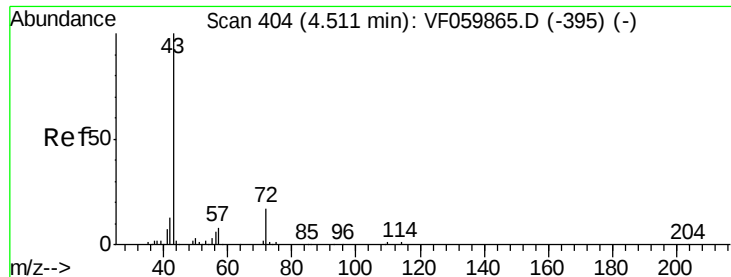
Ion Ratio Lower Upper

63 100

98 3.7 2.1 6.2

100 2.6 1.7 5.1





#25

2-Butanone

Concen: 466.88 ug/l

RT: 4.52 min Scan# 404

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

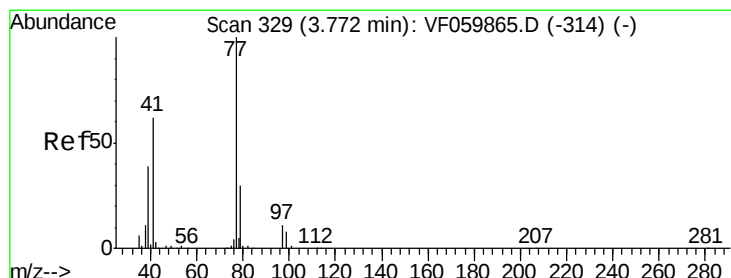
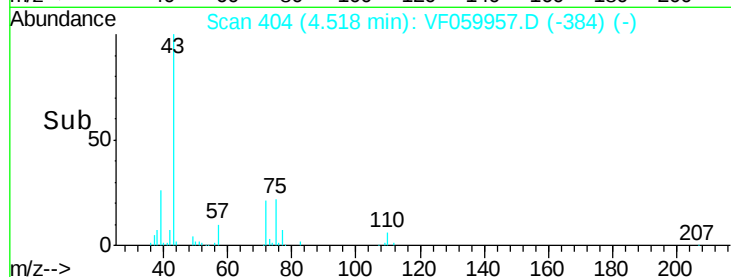
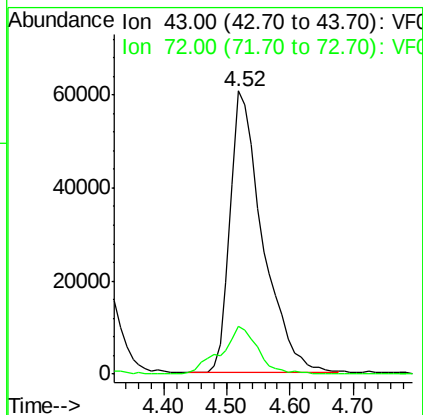
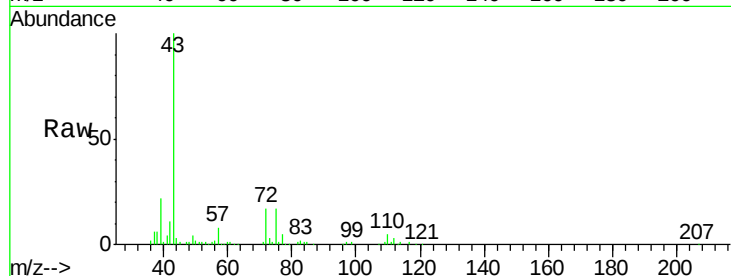
VSTDIC100

Tot Ion: 43 Resp: 217362

Ion Ratio Lower Upper

43 100

72 16.8 14.6 22.0



#26

2,2-Dichloropropane

Concen: 88.88 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF059957.D

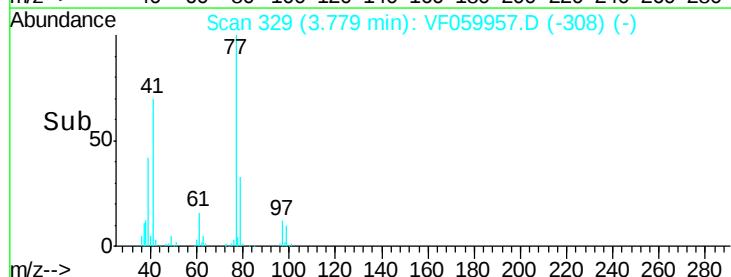
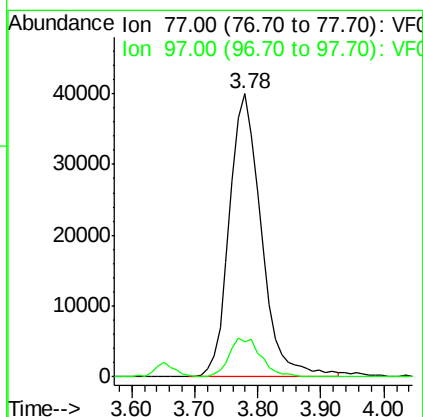
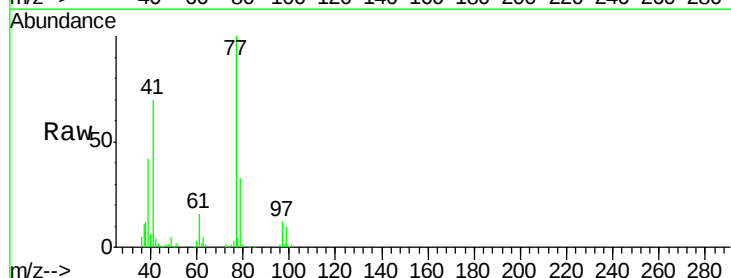
Acq: 14 Aug 2018 21:00

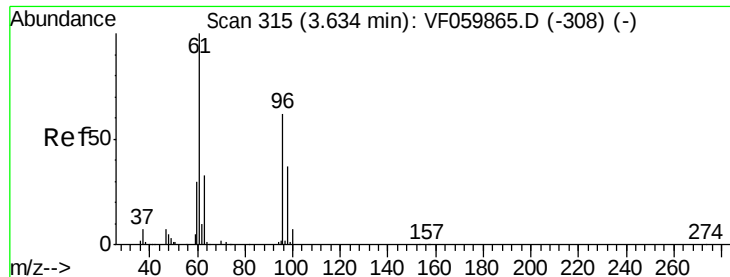
Tgt Ion: 77 Resp: 140822

Ion Ratio Lower Upper

77 100

97 12.4 6.6 19.7





#27

cis-1,2-Dichloroethene

Concen: 86.99 ug/l

RT: 3.65 min Scan# 316

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

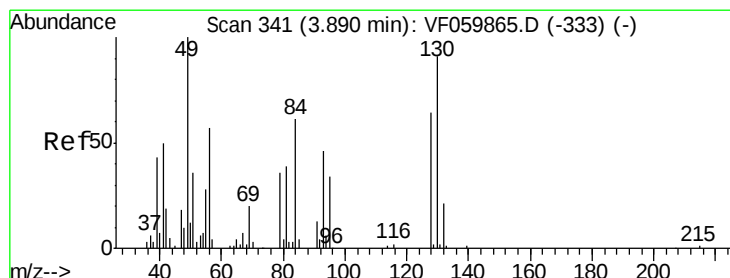
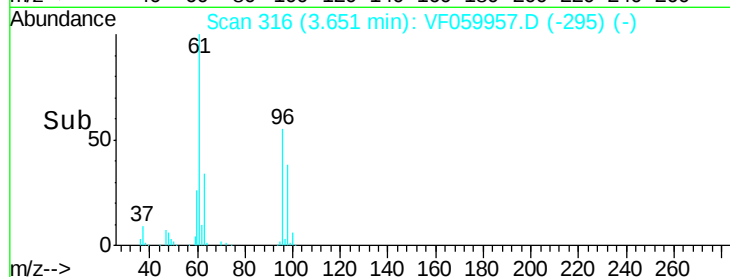
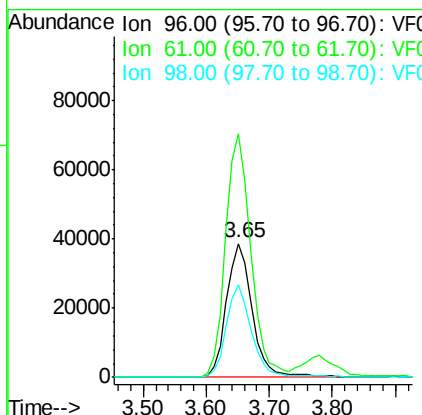
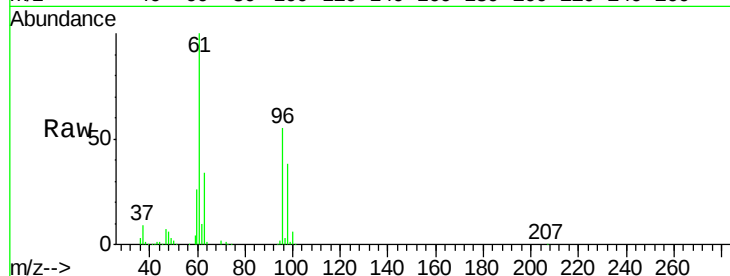
Tot Ion: 96 Resp: 109747

Ion Ratio Lower Upper

96 100

61 181.8 0.0 349.4

98 69.5 0.0 134.6



#28

Bromochloromethane

Concen: 85.90 ug/l

RT: 3.91 min Scan# 342

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

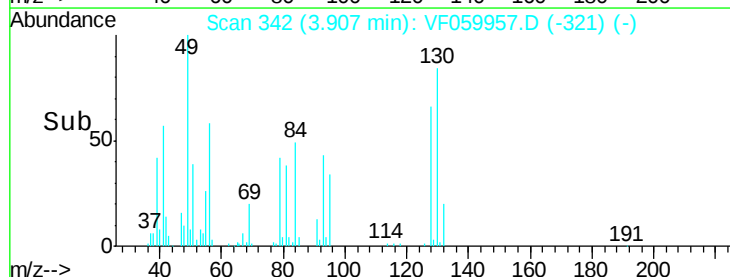
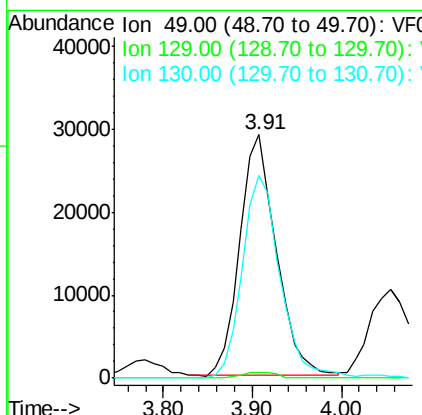
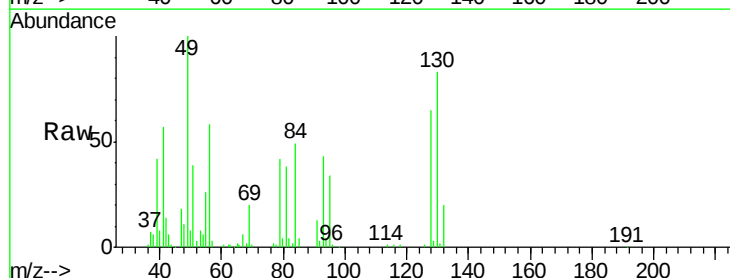
Tgt Ion: 49 Resp: 82141

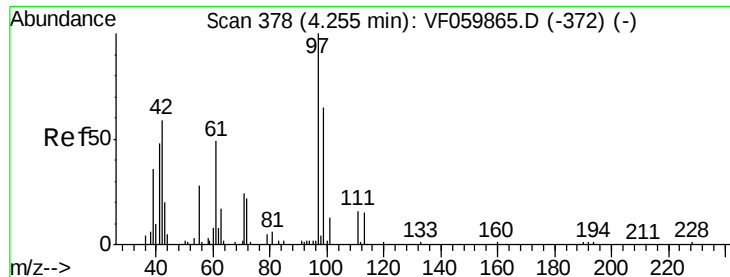
Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.2

130 83.1 58.1 87.1





#29

Tetrahydrofuran

Concen: 436.23 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

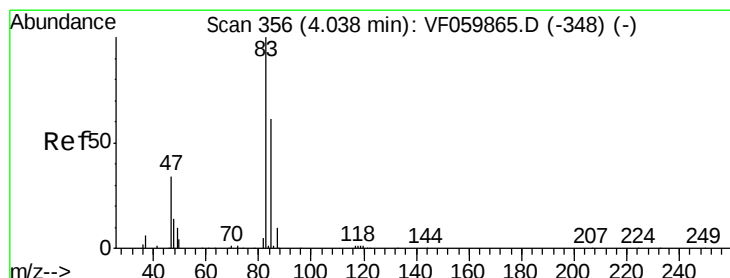
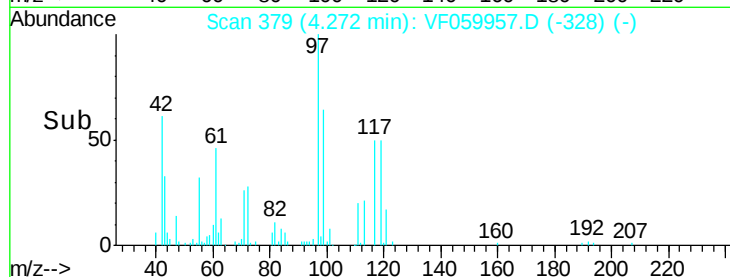
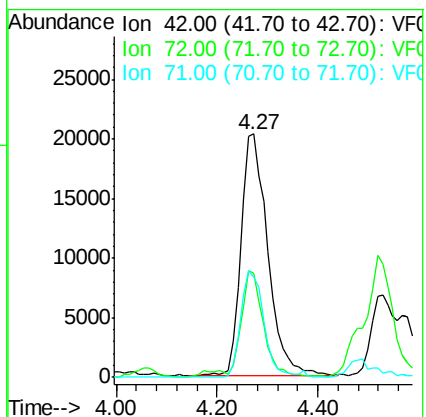
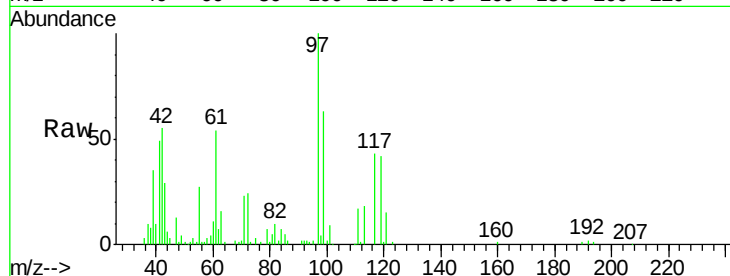
Tot Ion: 42 Resp: 74754

Ion Ratio Lower Upper

42 100

72 36.1 27.7 41.5

71 37.3 28.2 42.4



#30

Chloroform

Concen: 86.97 ug/l

RT: 4.06 min Scan# 357

Delta R.T. 0.01 min

Lab File: VF059957.D

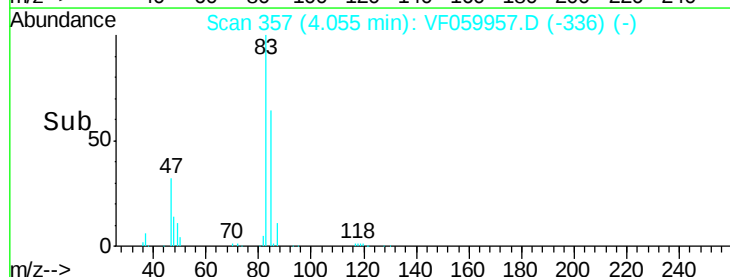
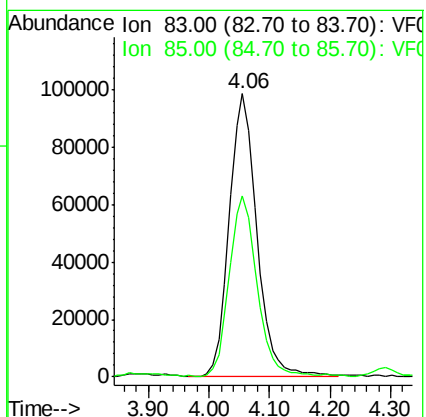
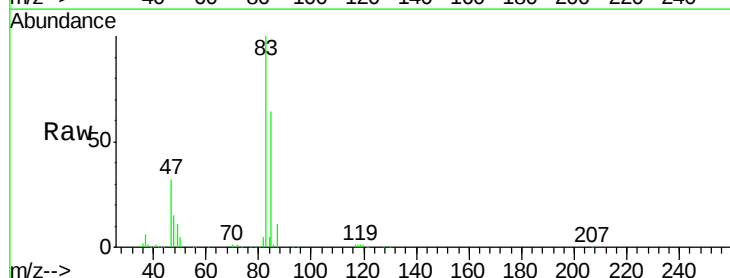
Acq: 14 Aug 2018 21:00

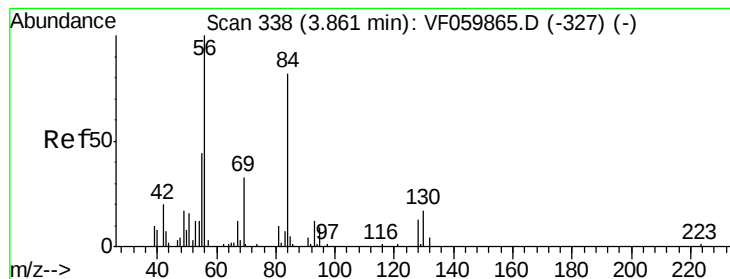
Tgt Ion: 83 Resp: 314179

Ion Ratio Lower Upper

83 100

85 64.2 54.4 81.6





#31

Cyclohexane

Concen: 88.79 ug/l

RT: 3.89 min Scan# 340

Delta R.T. 0.02 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

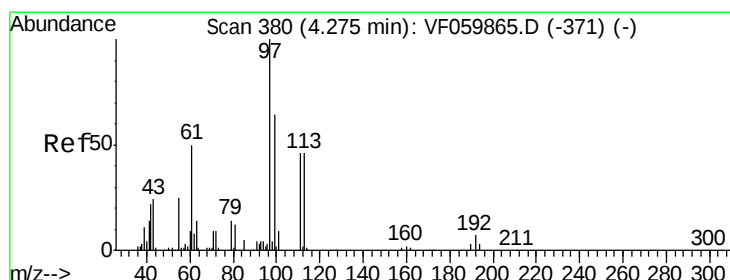
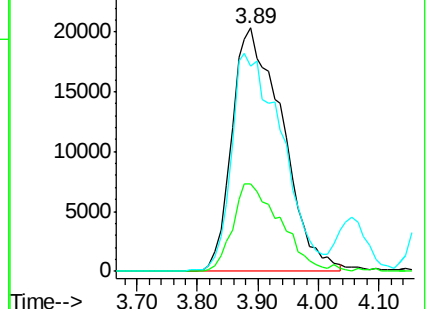
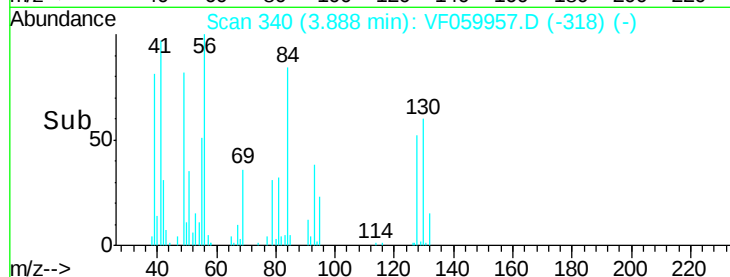
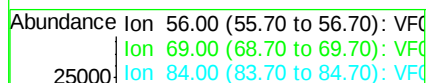
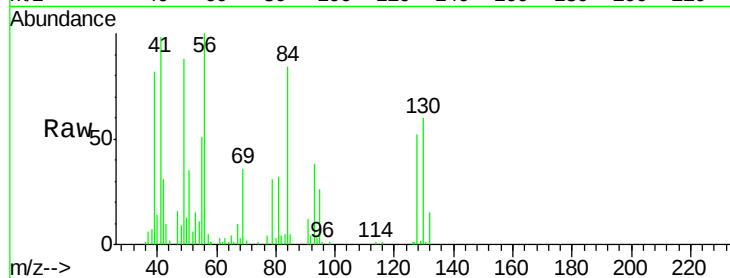
Tot Ion: 56 Resp: 116928

Ion Ratio Lower Upper

56 100

69 36.1 26.2 39.2

84 84.1 61.0 91.4



#32

1,1,1-Trichloroethane

Concen: 87.31 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

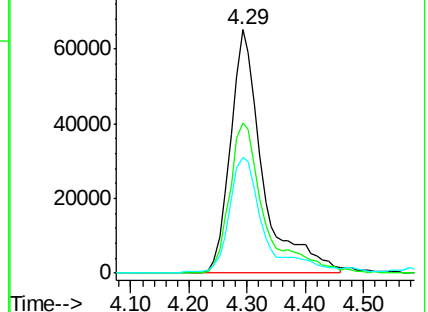
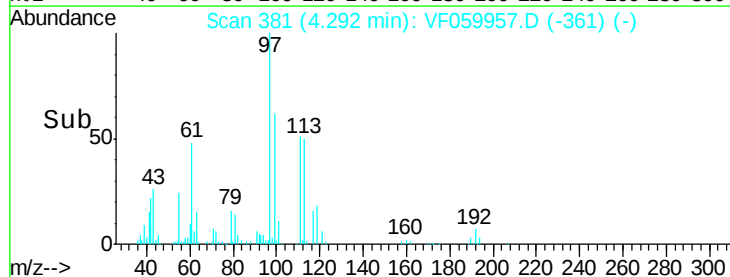
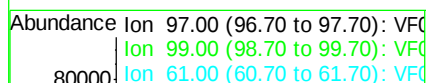
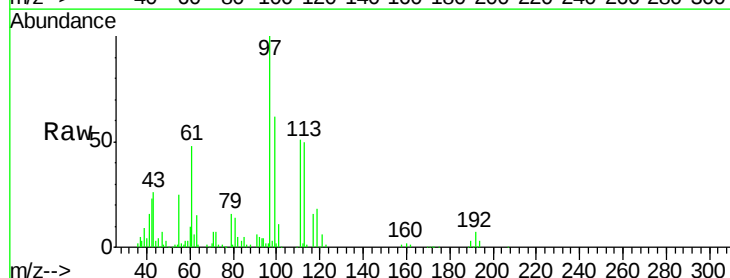
Tgt Ion: 97 Resp: 252589

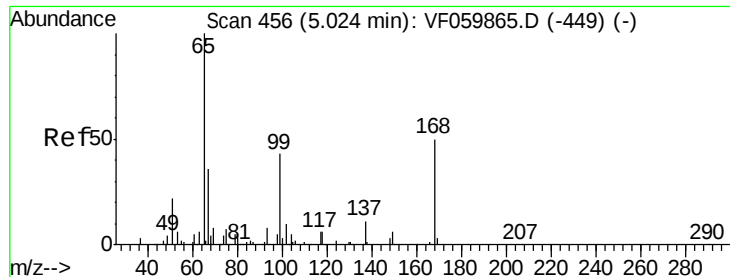
Ion Ratio Lower Upper

97 100

99 61.8 53.0 79.4

61 47.7 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 97.89 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

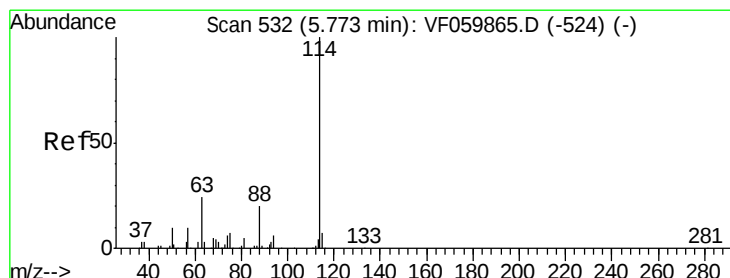
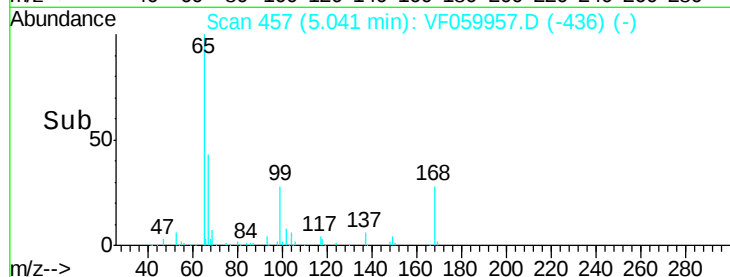
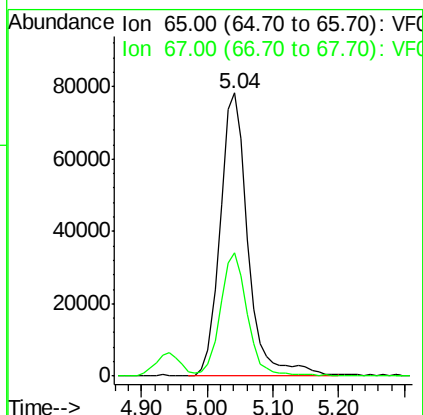
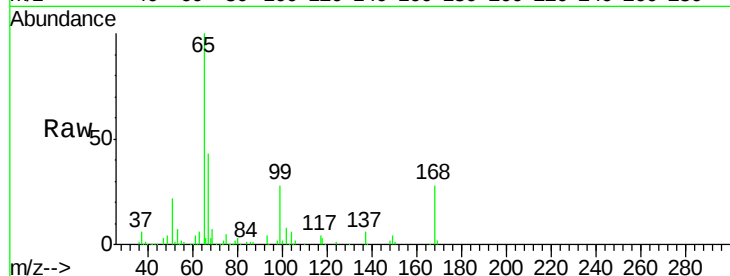
VSTDIC100

Tot Ion: 65 Resp: 229411

Ion Ratio Lower Upper

65 100

67 43.4 0.0 87.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

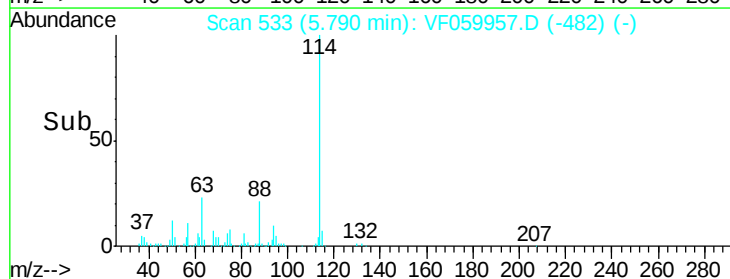
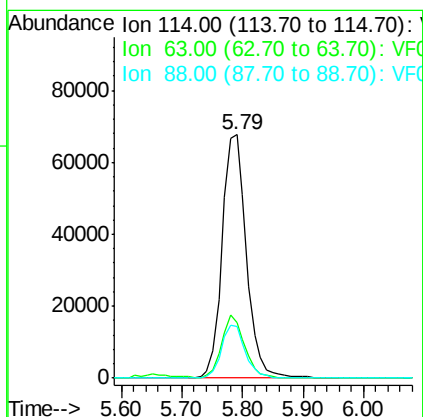
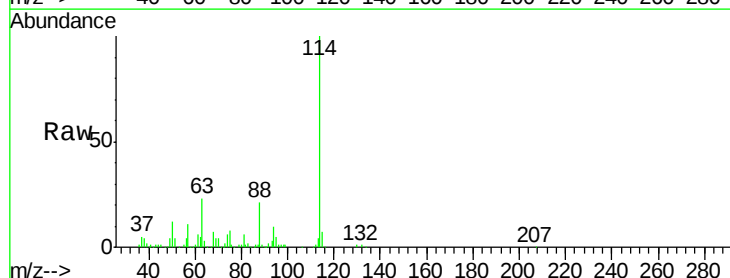
Tgt Ion: 114 Resp: 188618

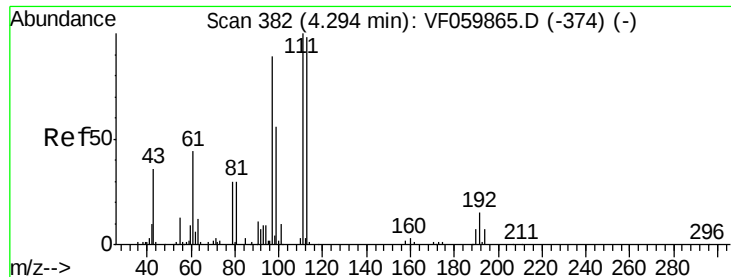
Ion Ratio Lower Upper

114 100

63 22.6 0.0 50.2

88 21.1 0.0 46.8

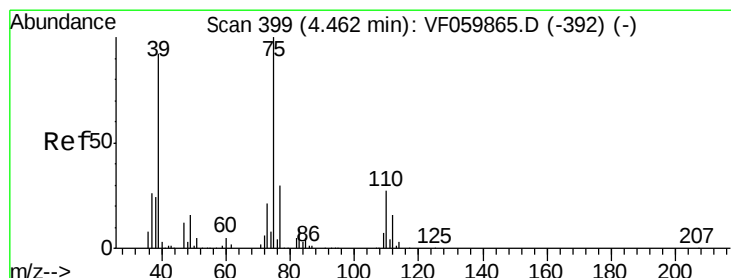
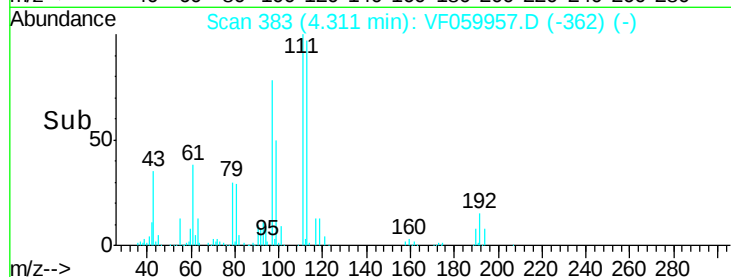
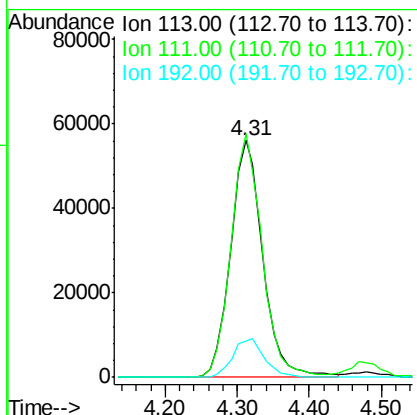
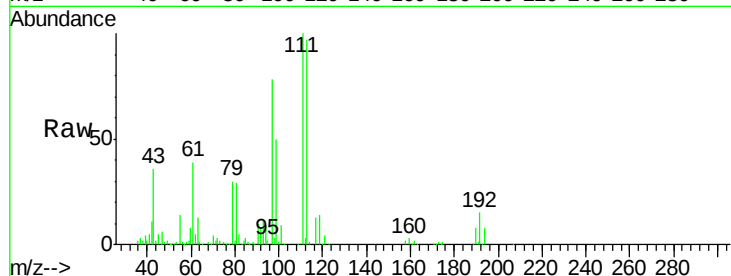




#35
 Dibromofluoromethane
 Concen: 93.41 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

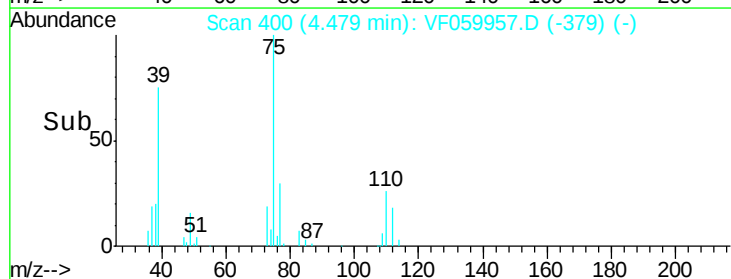
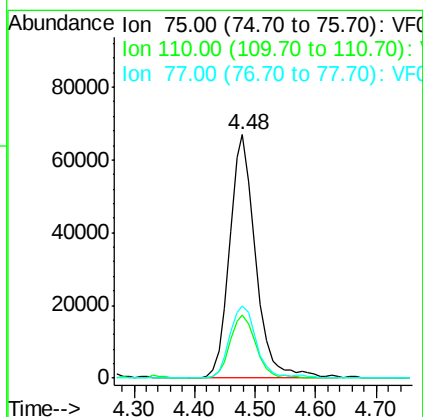
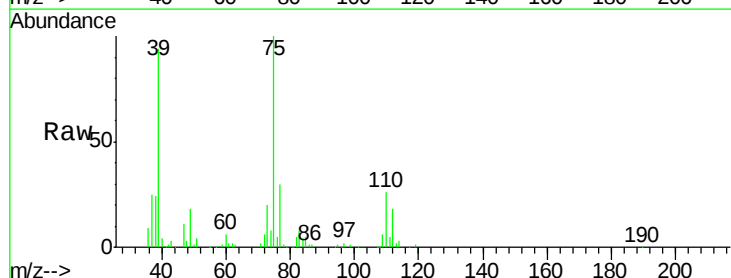
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

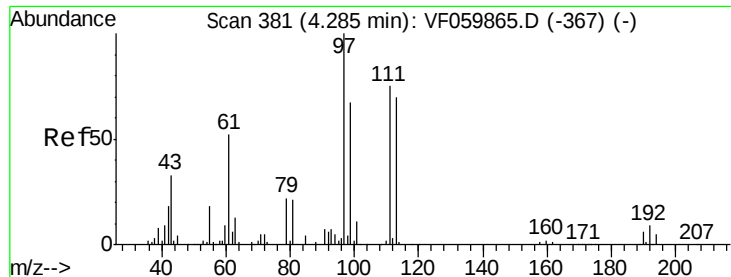
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.6	121.0
192	15.4	11.7	17.5



#36
 1,1-Dichloropropene
 Concen: 93.19 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	26.1	12.6	37.8
77	29.7	22.7	34.1

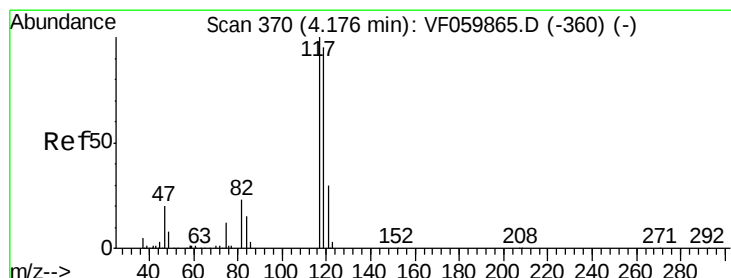
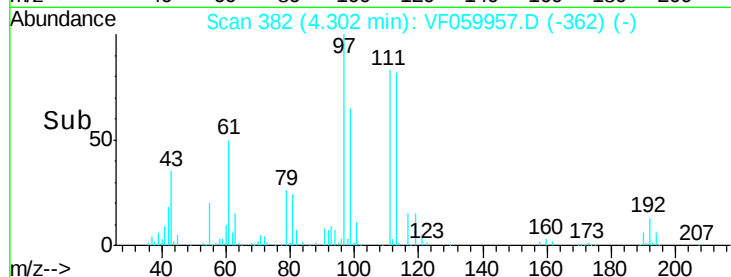
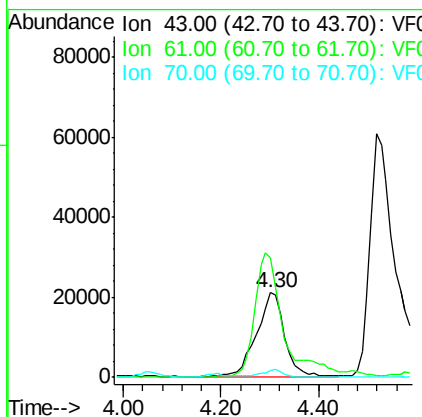
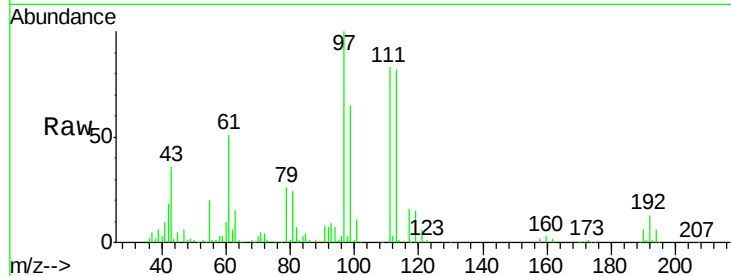




#37
Ethyl Acetate
Concen: 91.60 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

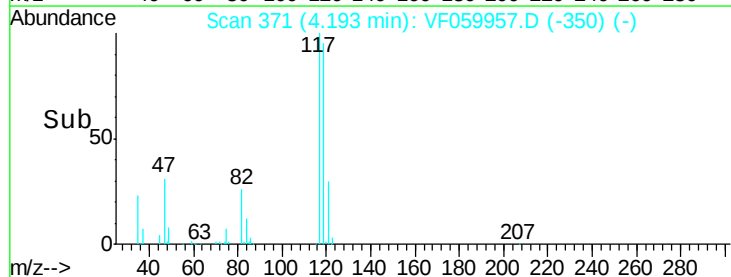
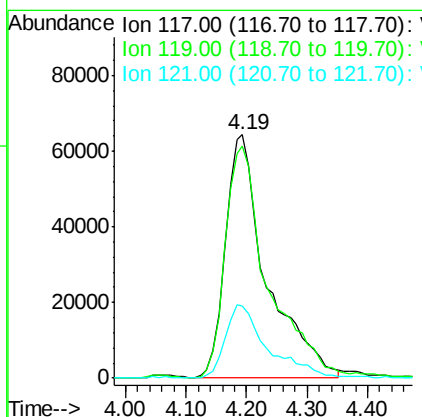
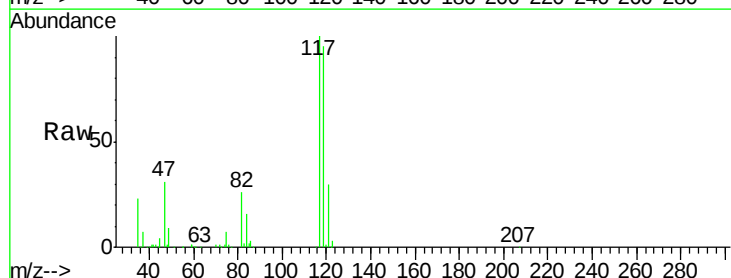
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

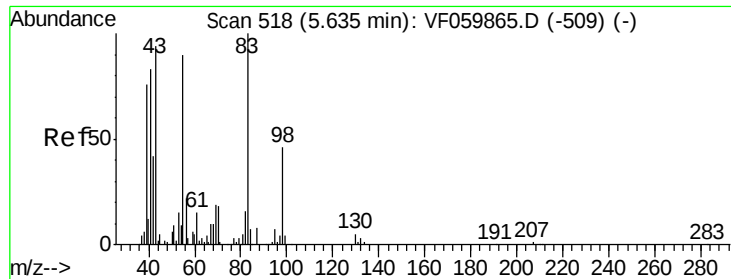
Tot Ion: 43 Resp: 84148
Ion Ratio Lower Upper
43 100
61 141.5 84.3 126.5#
70 7.6 5.5 8.3



#38
Carbon Tetrachloride
Concen: 94.83 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion: 117 Resp: 302840
Ion Ratio Lower Upper
117 100
119 95.1 76.9 115.3
121 29.7 24.9 37.3

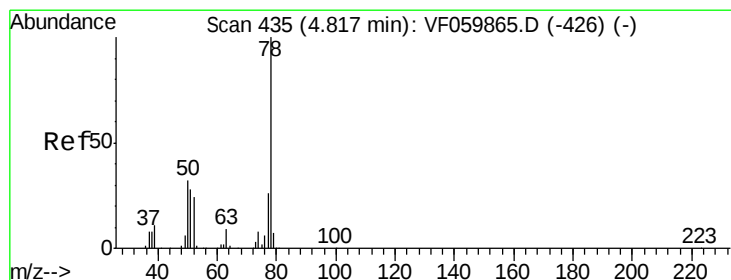
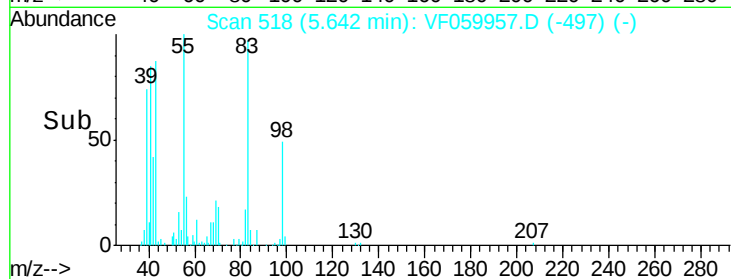
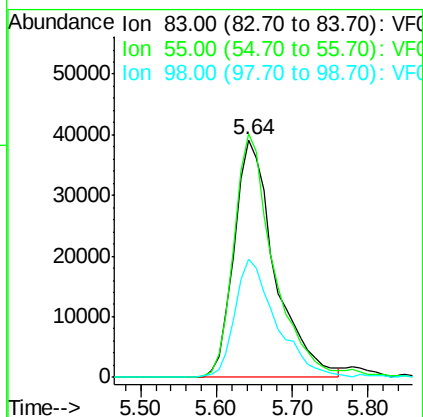
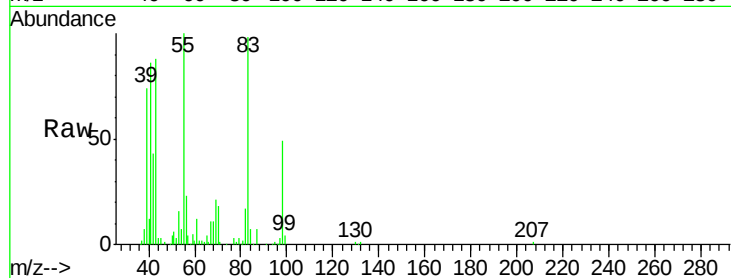




#39
Methvlcvclohexane
Concen: 91.68 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

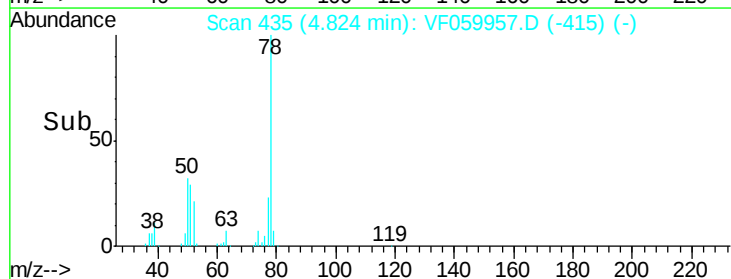
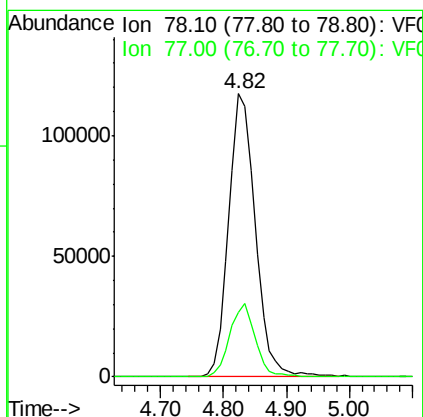
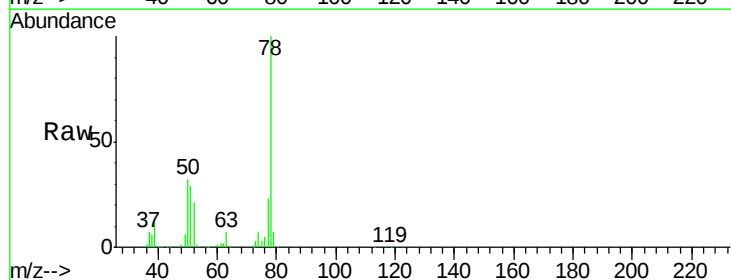
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

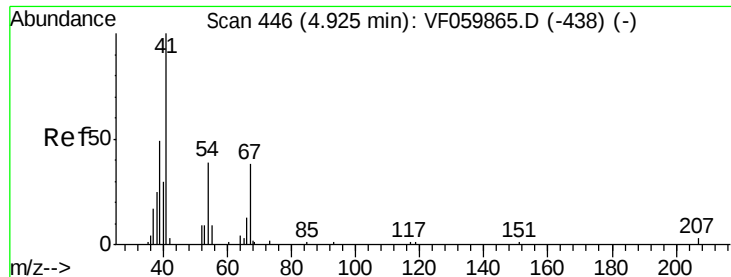
Tot Ion: 83 Resp: 146432
Ion Ratio Lower Upper
83 100
55 102.5 77.4 116.2
98 49.8 41.5 62.3



#40
Benzene
Concen: 95.36 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion: 78 Resp: 344416
Ion Ratio Lower Upper
78 100
77 22.9 21.1 31.7





#41

Methacrylonitrile

Concen: 89.24 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 42908

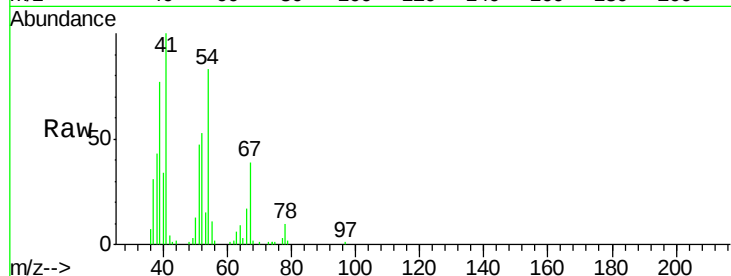
Ion Ratio Lower Upper

41 100

39 76.7 75.7 113.5

67 39.0 36.1 54.1

52 52.8 48.0 72.0

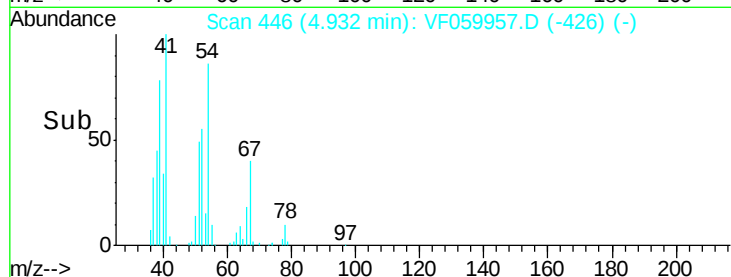
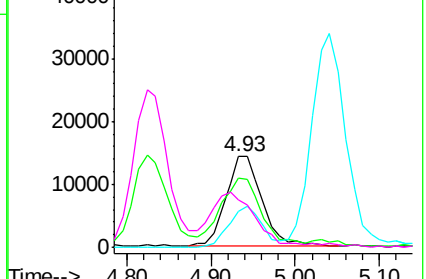


Abundance Ion 41.00 (40.70 to 41.70): VF059865.D (-438) (-)

Ion 39.00 (38.70 to 39.70): VF059865.D (-438) (-)

Ion 67.00 (66.70 to 67.70): VF059865.D (-438) (-)

Ion 52.00 (51.70 to 52.70): VF059865.D (-438) (-)



#42

1,2-Dichloroethane

Concen: 86.87 ug/l

RT: 5.14 min Scan# 467

Delta R.T. 0.01 min

Lab File: VF059957.D

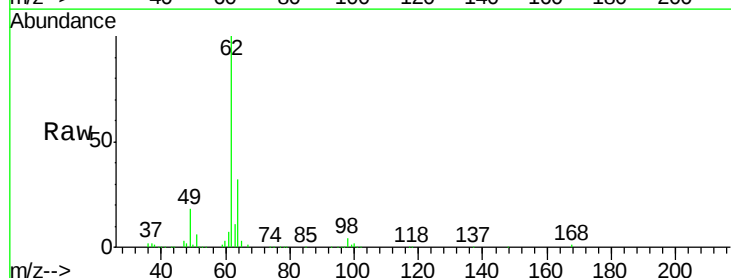
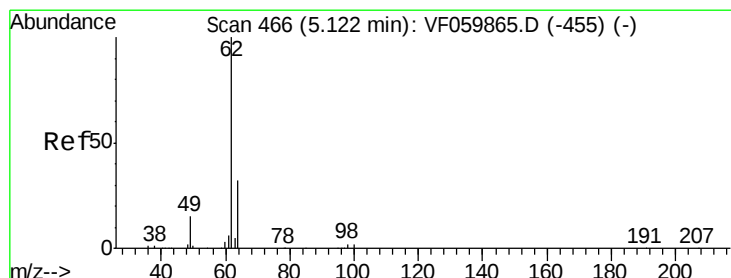
Acq: 14 Aug 2018 21:00

Tgt Ion: 62 Resp: 259404

Ion Ratio Lower Upper

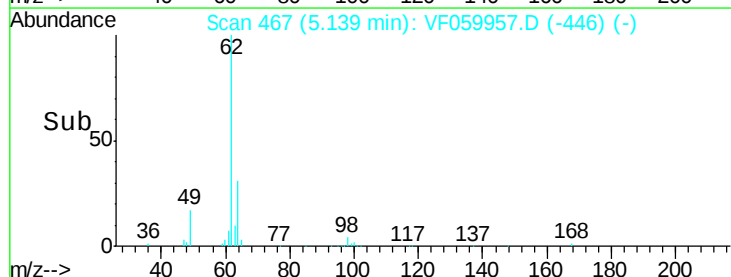
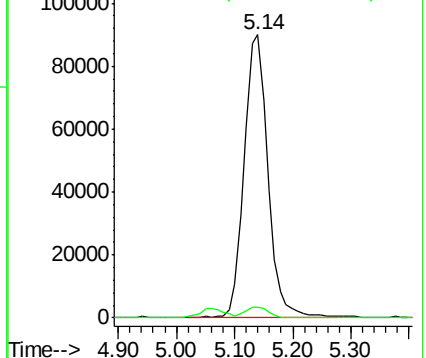
62 100

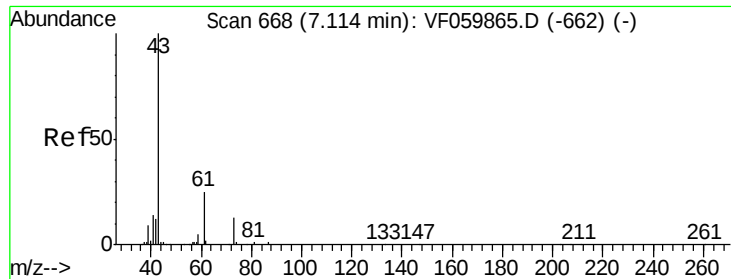
98 3.8 0.0 5.0



Abundance Ion 62.00 (61.70 to 62.70): VF059865.D (-455) (-)

Ion 98.00 (97.70 to 98.70): VF059865.D (-455) (-)



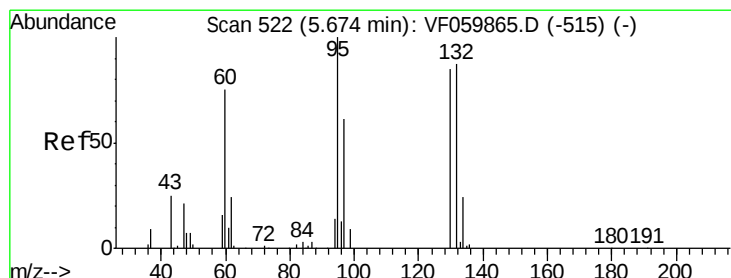
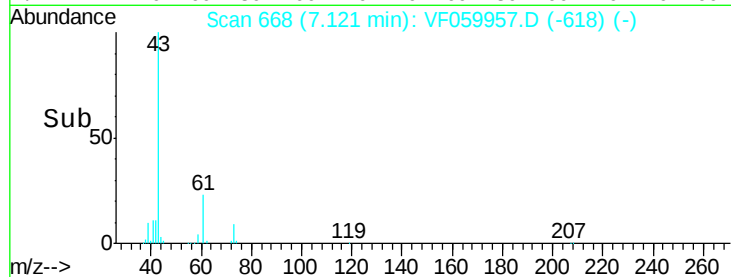
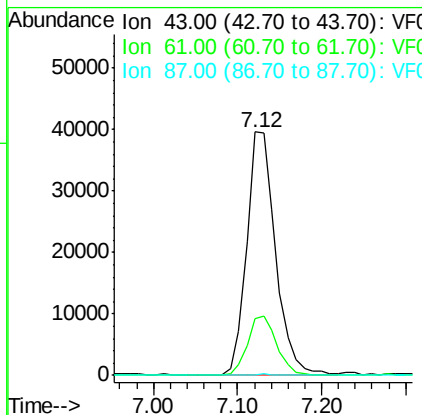
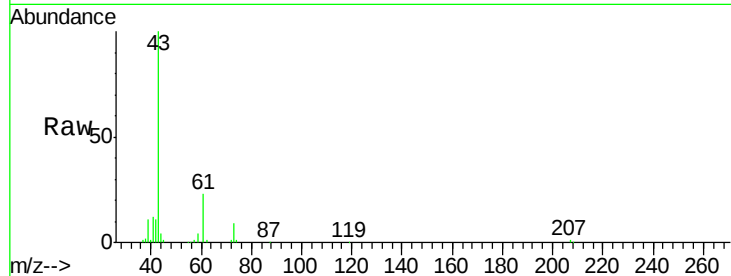


#43

Isopropyl Acetate
 Concen: 98.77 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

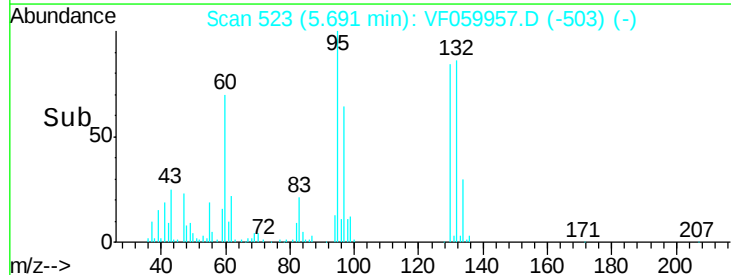
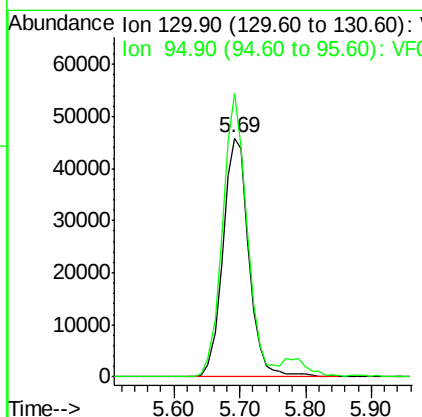
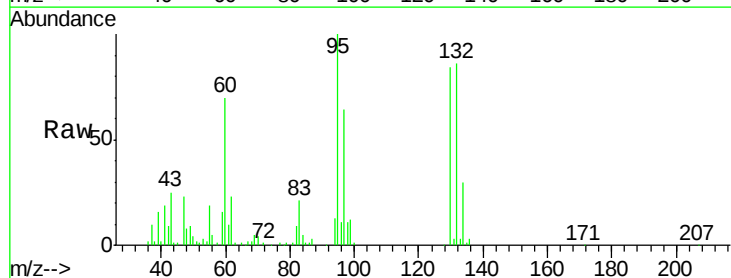
Tot Ion	43	Resp	95560
Ion Ratio	100		
Lower	18.6		
Upper	27.8		
87	0.4	0.0	0.0#

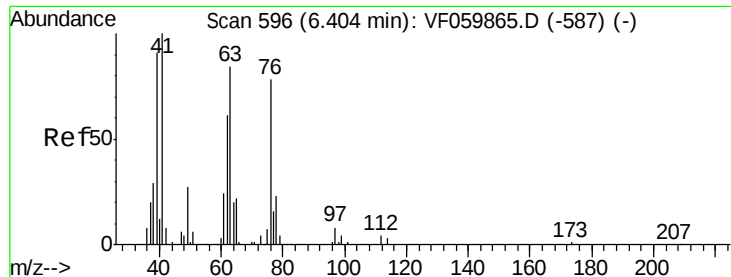


#44

Trichloroethene
 Concen: 88.82 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Tgt Ion	130	Resp	126513
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td>0.0</td> <td></td> <td></td>	0.0		
Upper <td>222.0</td> <td></td> <td></td>	222.0		
95	118.5	0.0	222.0





#45

1,2-Dichloropropane

Concen: 90.77 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

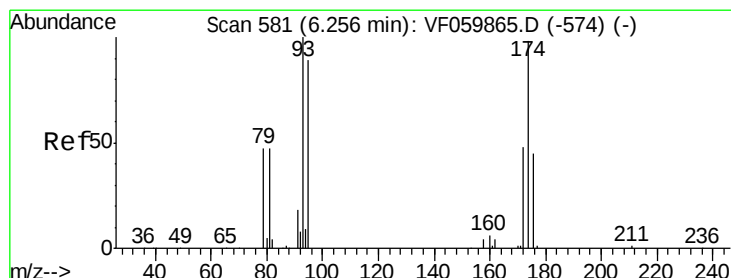
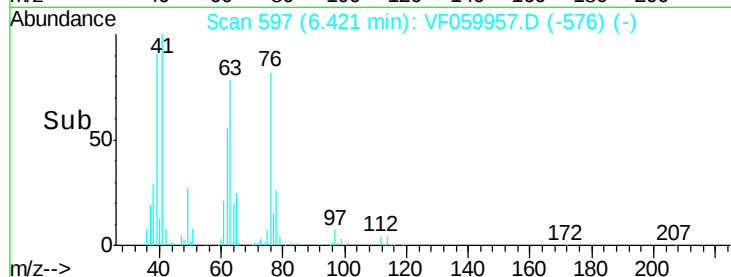
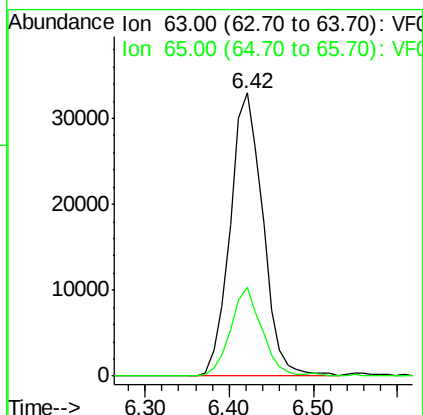
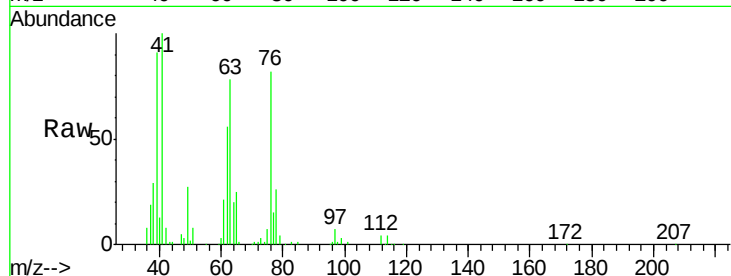
VSTDIC100

Tot Ion: 63 Resp: 89302

Ion Ratio Lower Upper

63 100

65 31.5 27.8 41.6



#46

Dibromomethane

Concen: 88.01 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

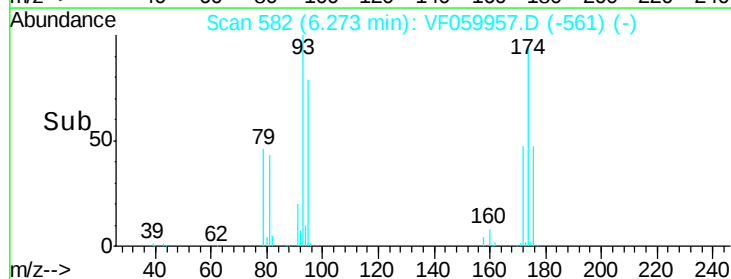
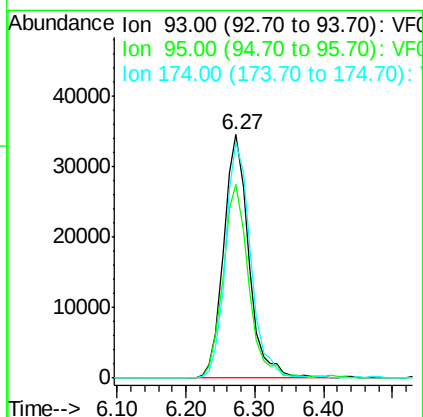
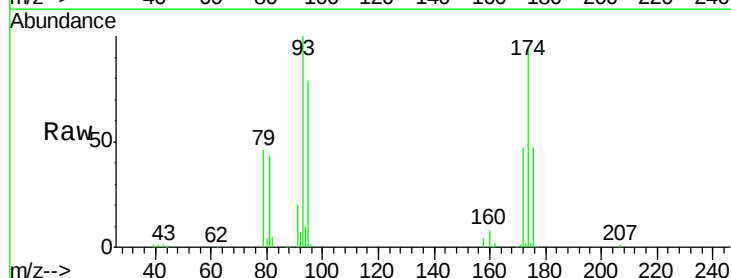
Tgt Ion: 93 Resp: 87799

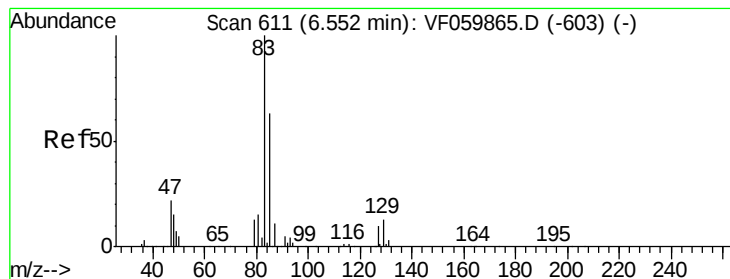
Ion Ratio Lower Upper

93 100

95 79.4 72.4 108.6

174 96.7 75.9 113.9





#47

Bromodichloromethane

Concen: 92.56 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

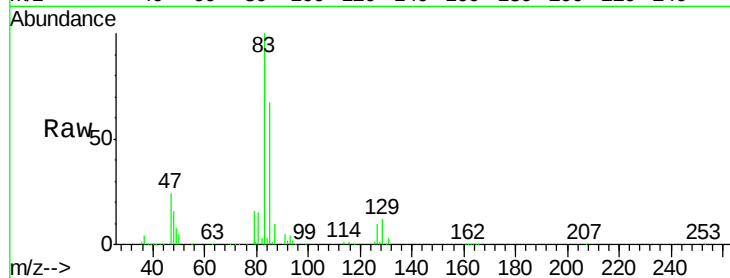
Tot Ion: 83 Resp: 252934

Ion Ratio Lower Upper

83 100

85 66.7 51.5 77.3

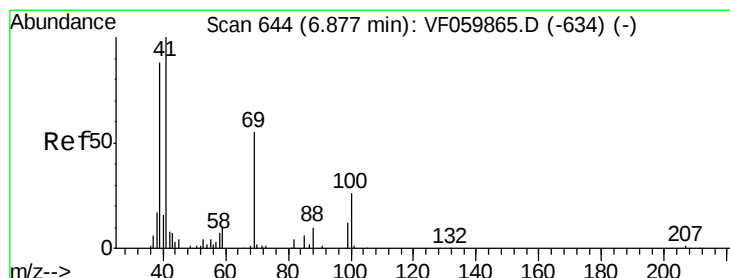
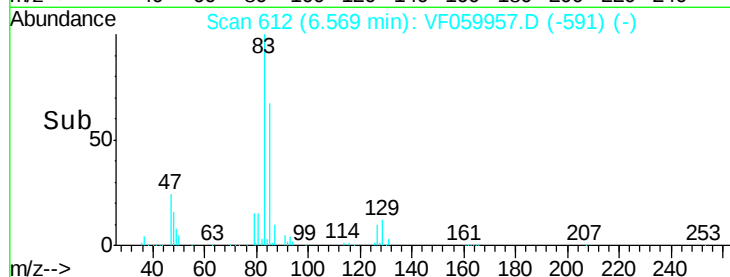
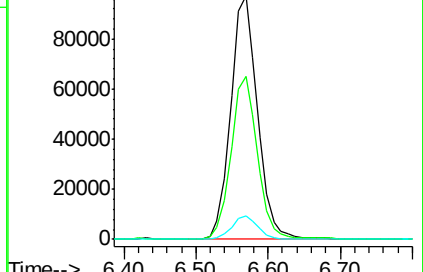
127 9.8 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VF059865.D (-603) (-)

Ion 85.00 (84.70 to 85.70): VF059865.D (-603) (-)

Ion 127.00 (126.70 to 127.70): VF059865.D (-603) (-)



#48

Methyl methacrylate

Concen: 105.43 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

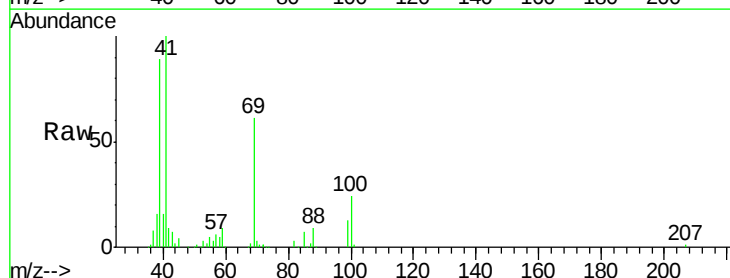
Tgt Ion: 41 Resp: 78731

Ion Ratio Lower Upper

41 100

69 60.6 54.8 82.2

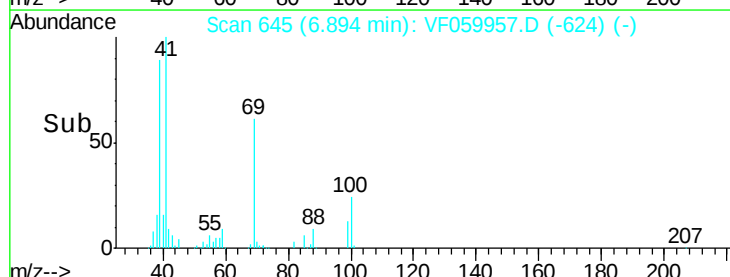
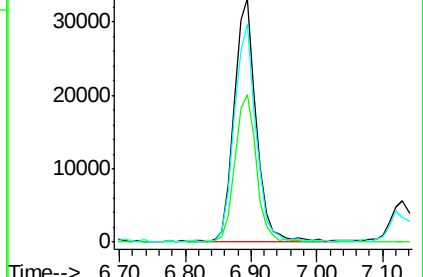
39 89.4 75.1 112.7

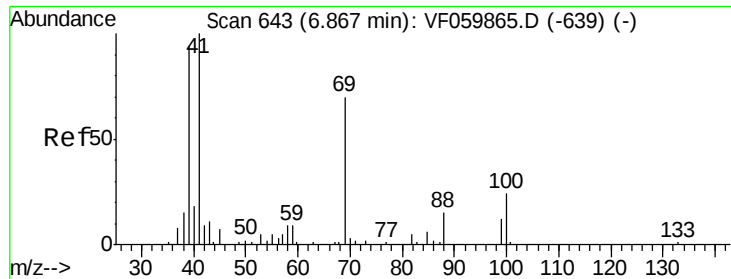


Abundance Ion 41.00 (40.70 to 41.70): VF059865.D (-634) (-)

Ion 69.00 (68.70 to 69.70): VF059865.D (-634) (-)

Ion 39.00 (38.70 to 39.70): VF059865.D (-634) (-)

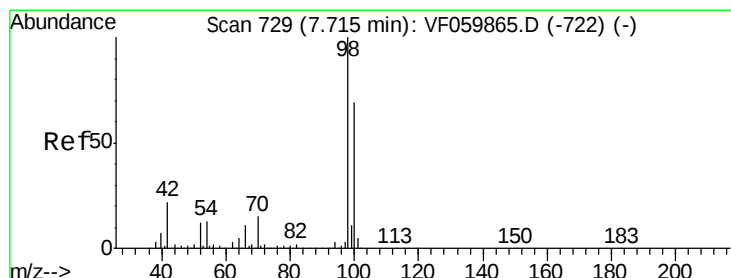
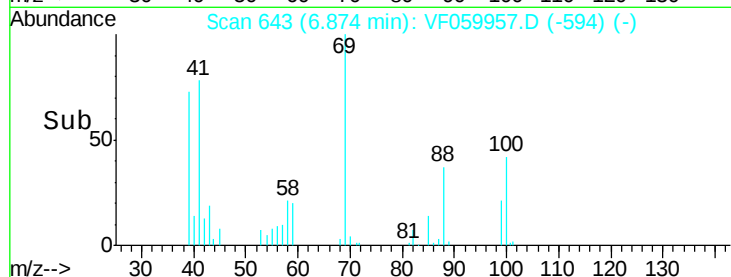
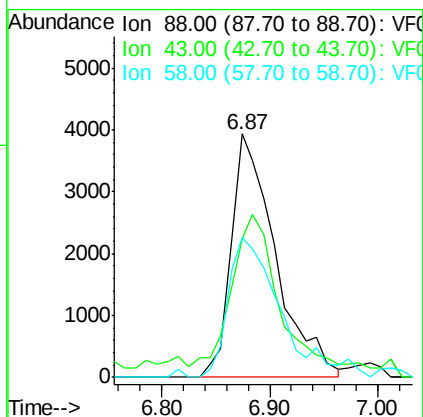
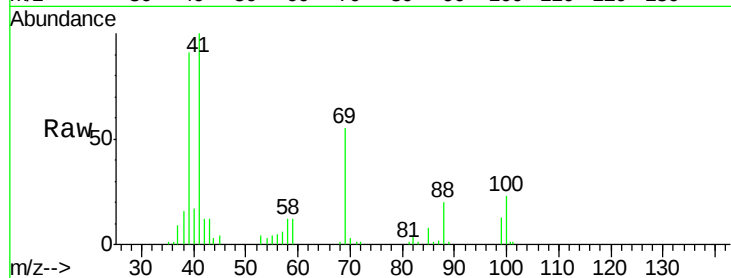




#49
1,4-Dioxane
Concen: 1967.72 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

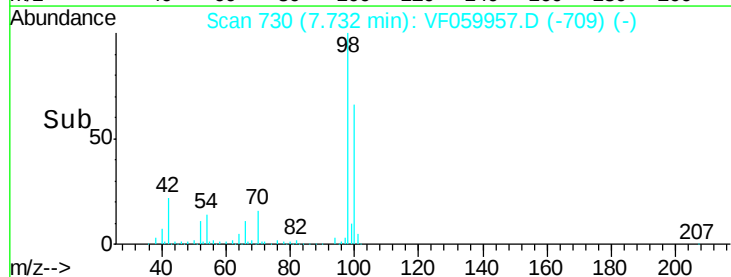
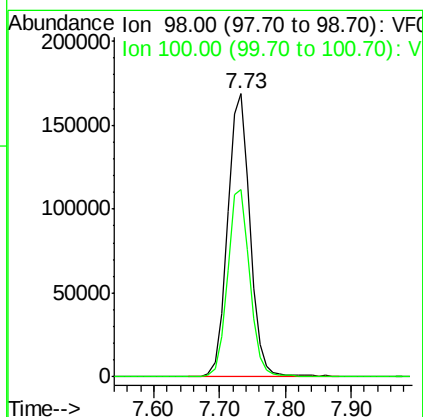
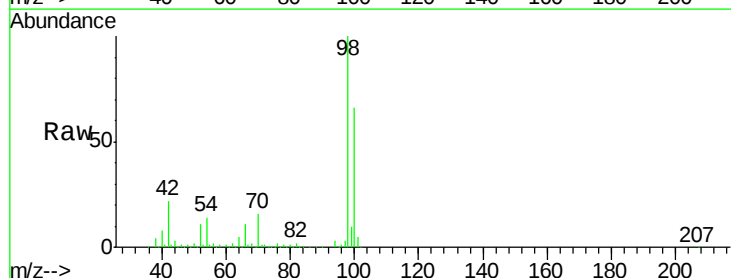
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

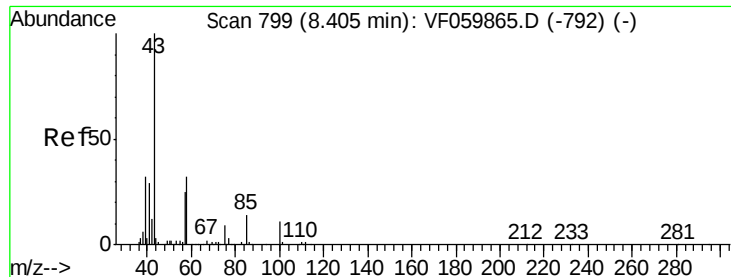
Tot Ion: 88 Resp: 11246
Ion Ratio Lower Upper
88 100
43 57.2 47.9 71.9
58 57.6 52.0 78.0



#50
Toluene-d8
Concen: 100.80 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion: 98 Resp: 403245
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 452.47 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

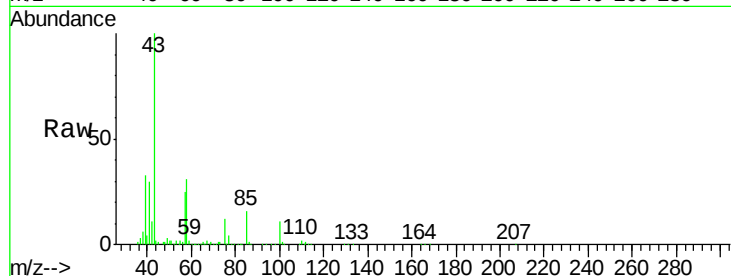
VSTDIC100

Tot Ion: 43 Resp: 444627

Ion Ratio Lower Upper

43 100

58 31.2 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VF059865.D (-792) (-)

Ion 58.00 (57.70 to 58.70): VF059865.D (-792) (-)

8.42

200000

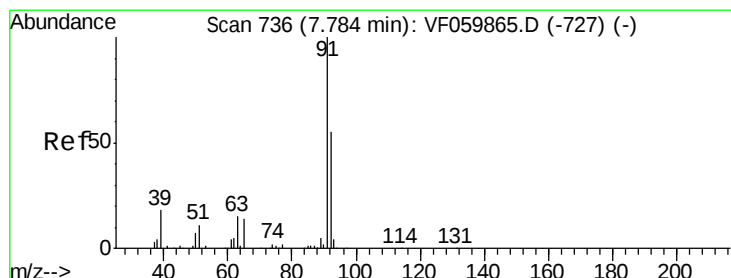
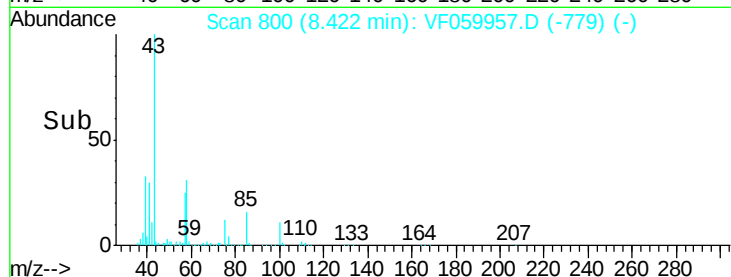
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 91.87 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF059957.D

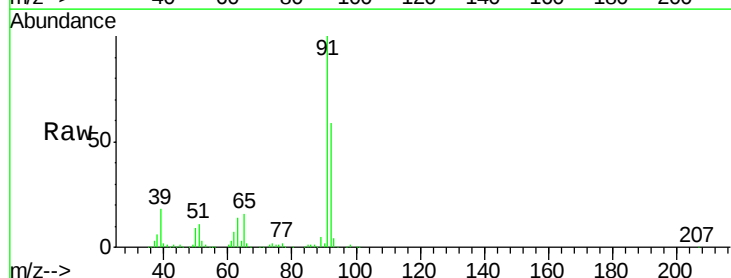
Acq: 14 Aug 2018 21:00

Tgt Ion: 92 Resp: 249858

Ion Ratio Lower Upper

92 100

91 168.6 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF059865.D (-727) (-)

Ion 91.00 (90.70 to 91.70): VF059865.D (-727) (-)

7.80

200000

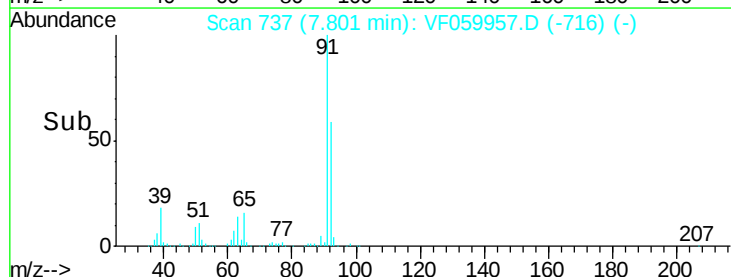
150000

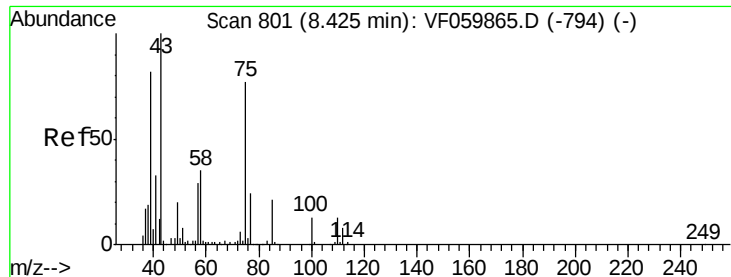
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 95.45 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

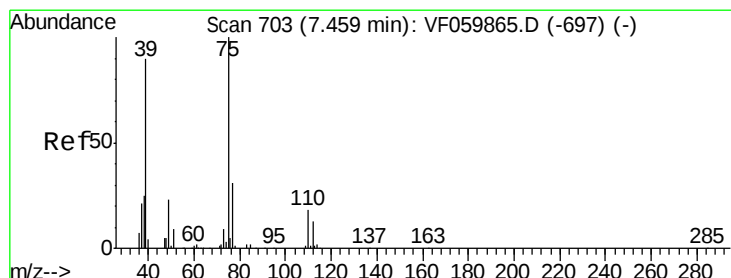
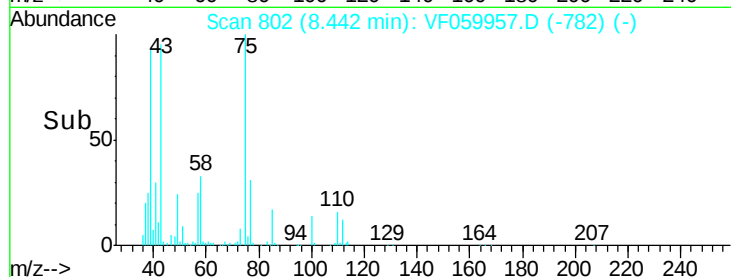
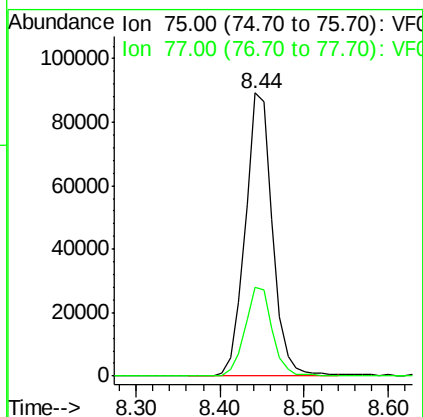
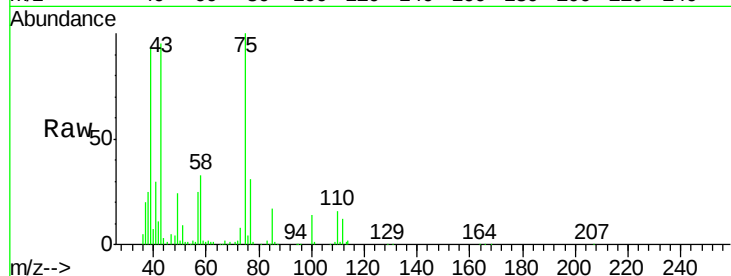
VSTDIC100

Tot Ion: 75 Resp: 201953

Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 97.79 ug/l

RT: 7.48 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

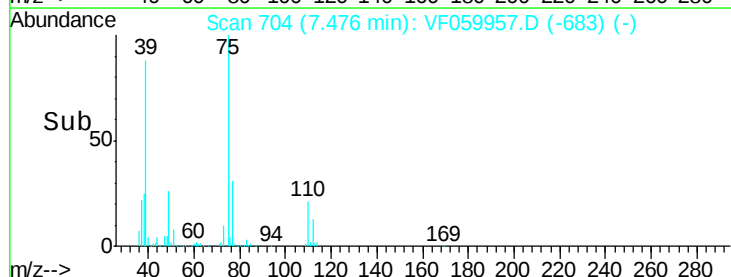
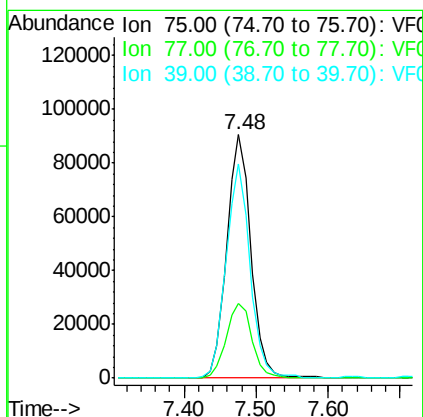
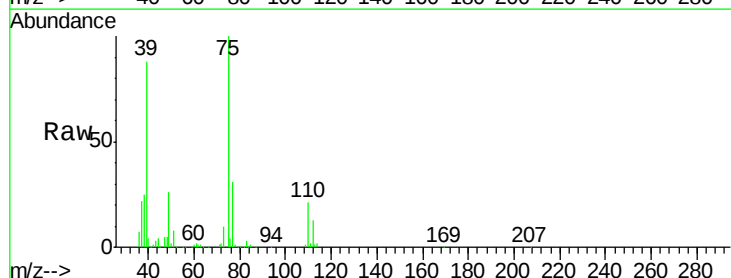
Tgt Ion: 75 Resp: 211453

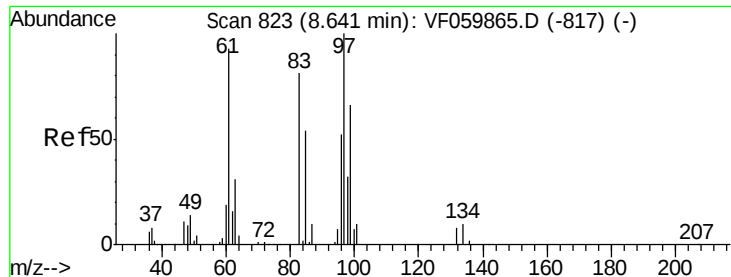
Ion Ratio Lower Upper

75 100

77 30.5 26.1 39.1

39 88.1 71.6 107.4





#55

1,1,2-Trichloroethane

Concen: 90.54 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 88560

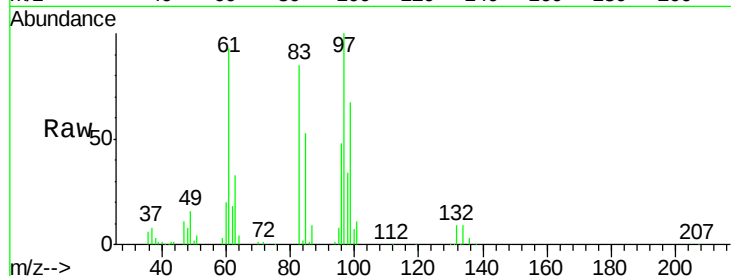
Ion Ratio Lower Upper

97 100

83 84.6 70.0 105.0

85 53.0 45.2 67.8

99 67.2 49.7 74.5



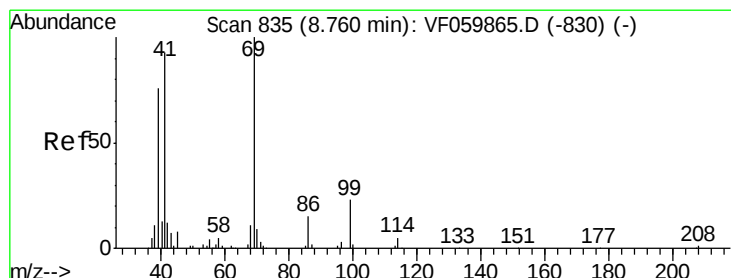
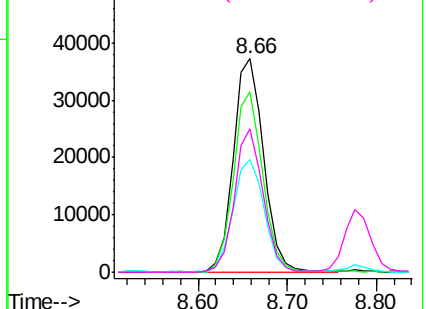
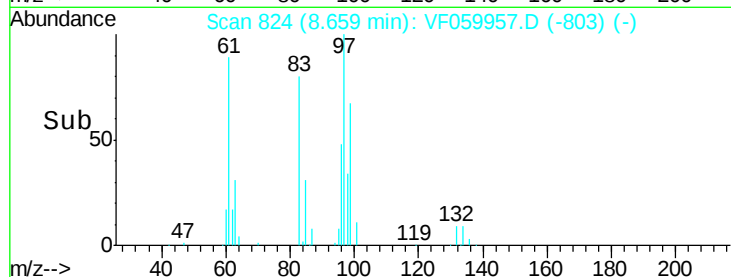
Abundance

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: 90.50 ug/l

RT: 8.78 min Scan# 836

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

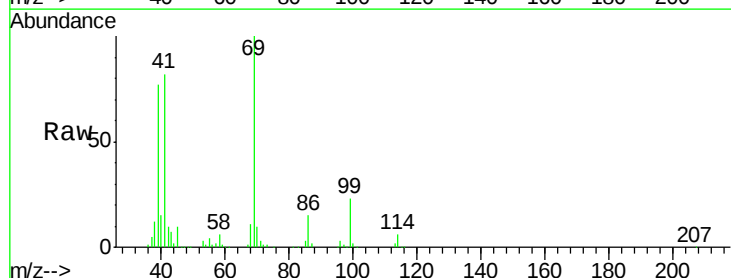
Tgt Ion: 69 Resp: 101287

Ion Ratio Lower Upper

69 100

41 81.9 68.7 103.1

39 77.3 58.5 87.7

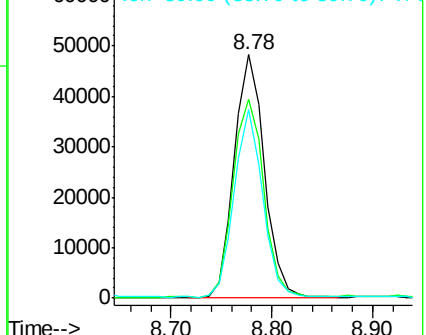
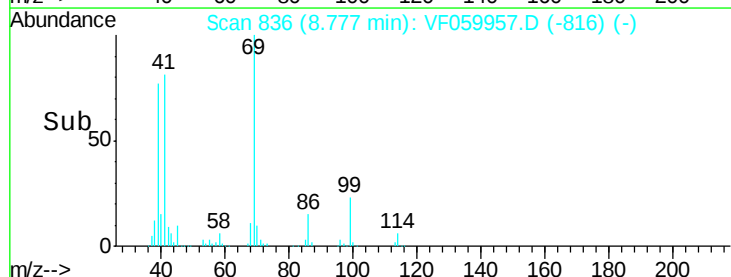


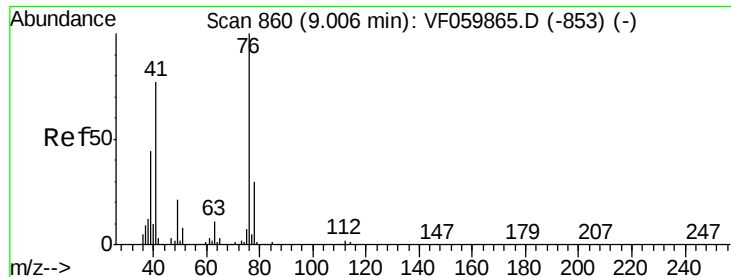
Abundance

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

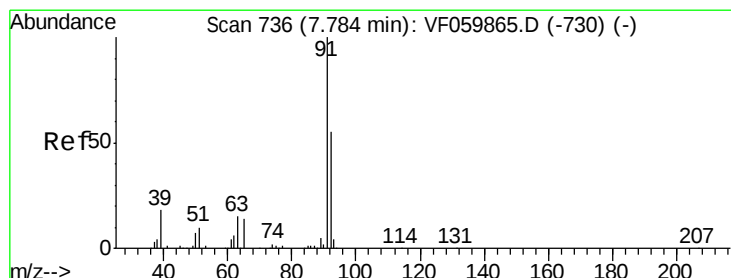
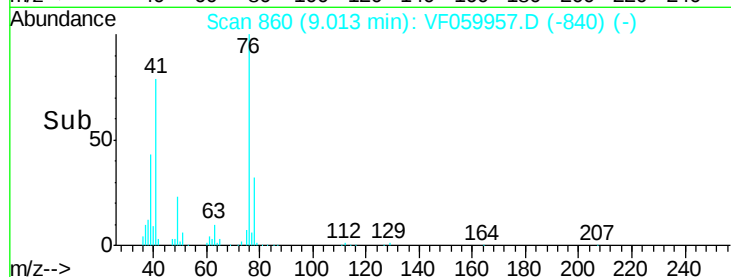
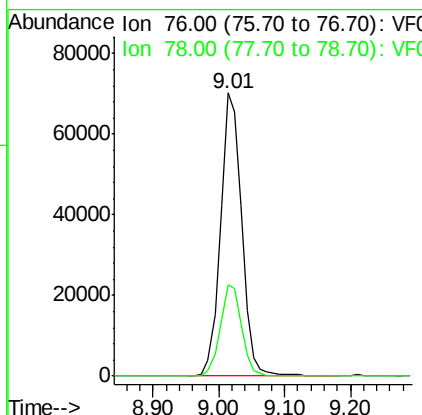
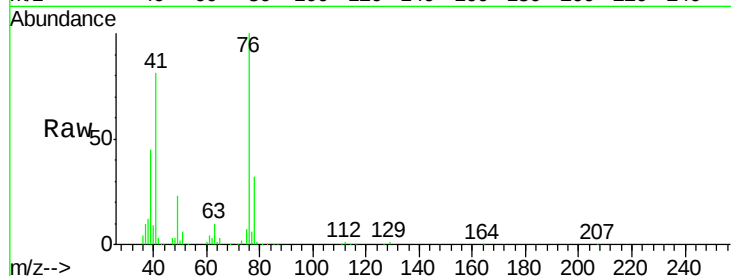




#57
 1,3-Dichloropropane
 Concen: 93.11 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

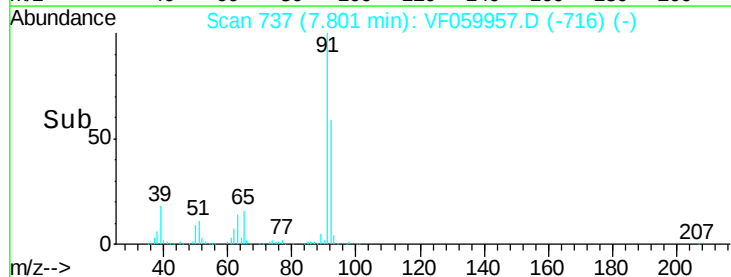
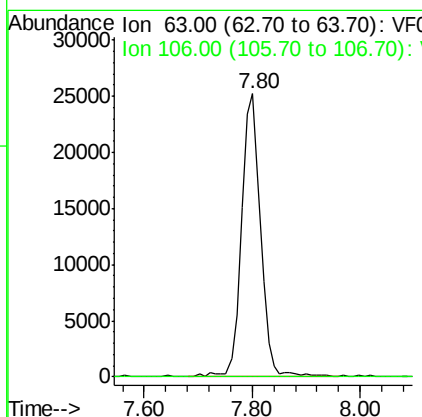
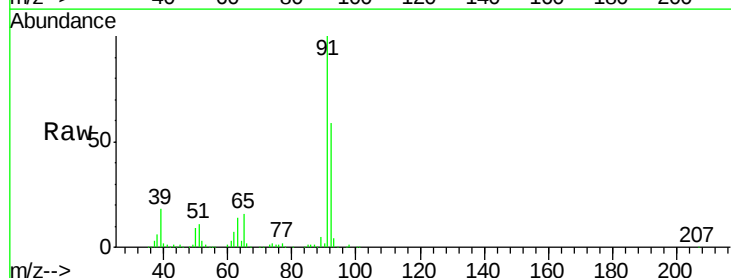
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

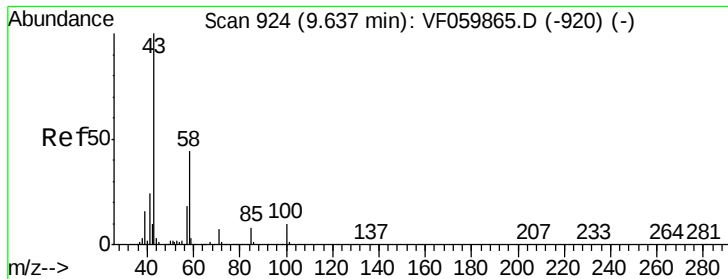
Tot Ion: 76 Resp: 158117
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 479.45 ug/l
 RT: 7.80 min Scan# 737
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Tgt Ion: 63 Resp: 62035
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 480.18 ug/l

RT: 9.64 min Scan# 924

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

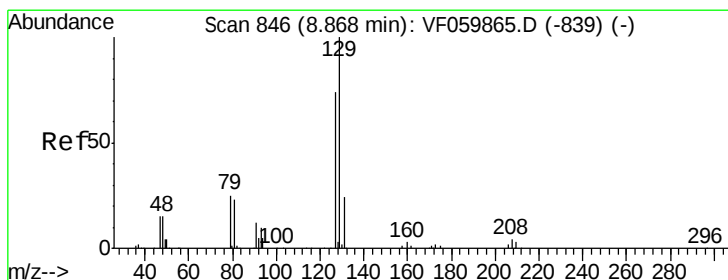
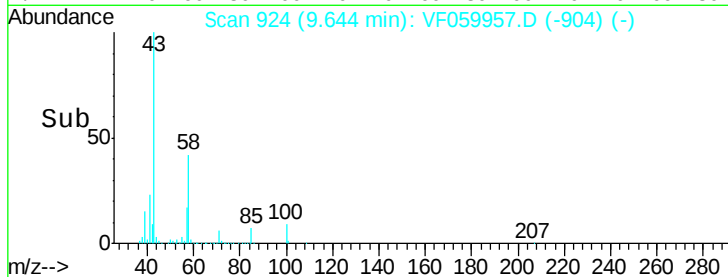
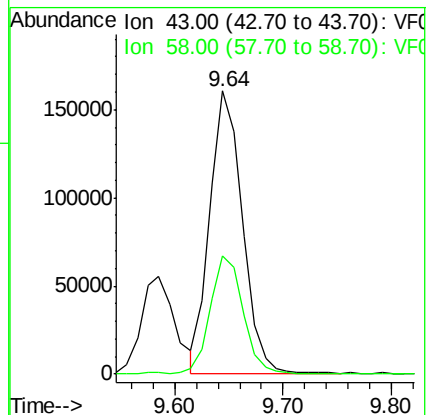
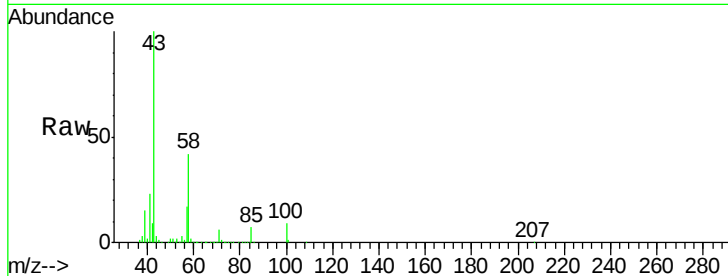
VSTDIC100

Tot Ion: 43 Resp: 335314

Ion Ratio Lower Upper

43 100

58 41.7 19.4 58.2



#60

Dibromochloromethane

Concen: 94.76 ug/l

RT: 8.89 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF059957.D

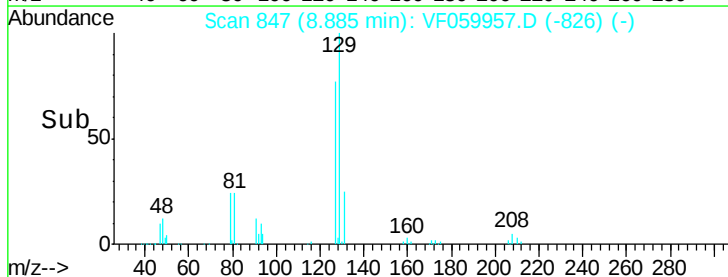
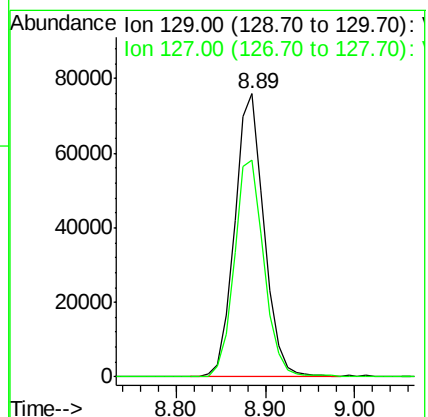
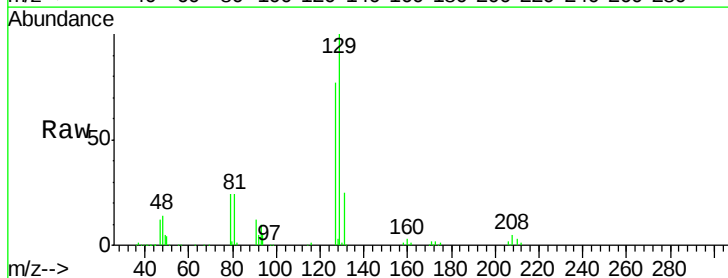
Acq: 14 Aug 2018 21:00

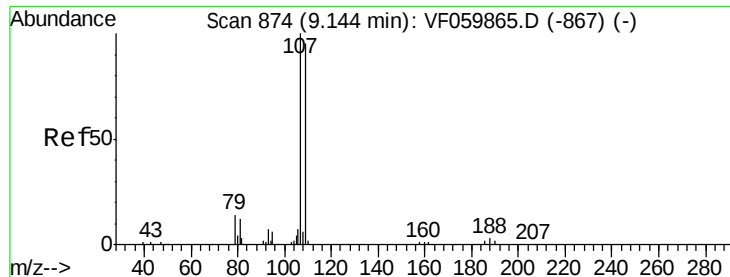
Tgt Ion: 129 Resp: 174740

Ion Ratio Lower Upper

129 100

127 76.8 40.0 119.9





#61

1,2-Dibromoethane

Concen: 93.64 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

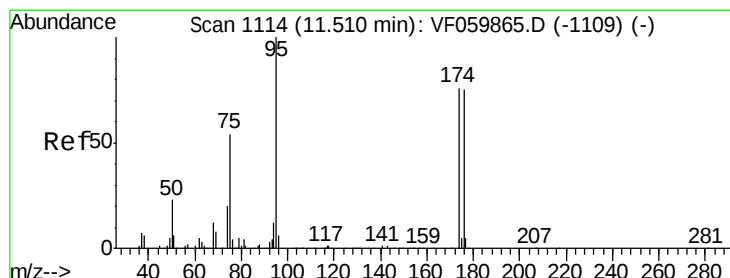
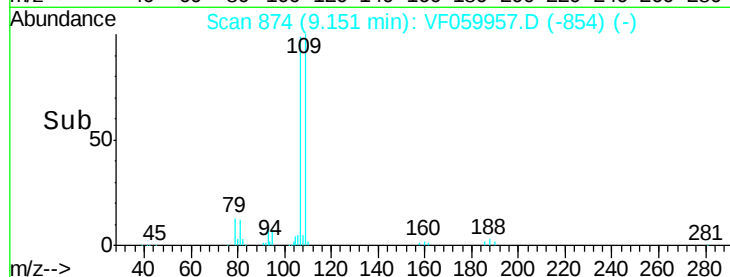
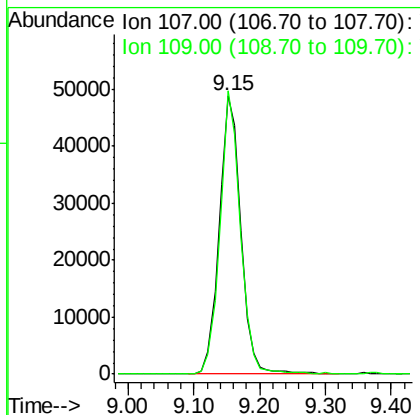
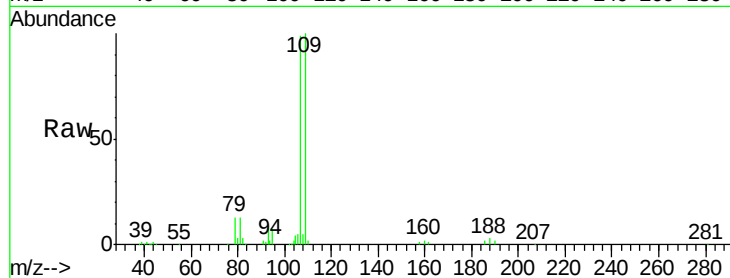
VSTDIC100

Tot Ion:107 Resp: 111575

Ion Ratio Lower Upper

107 100

109 101.5 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 100.32 ug/l

RT: 11.53 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

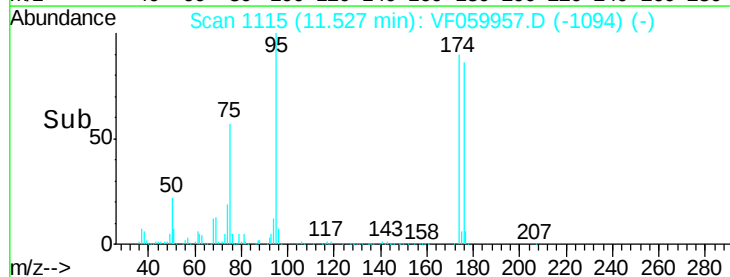
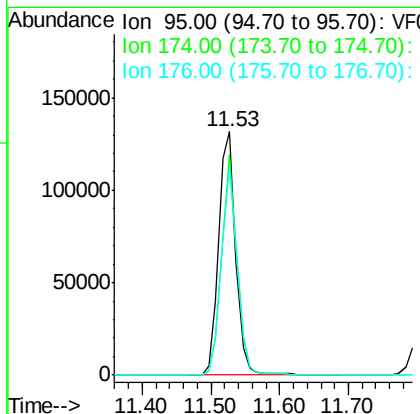
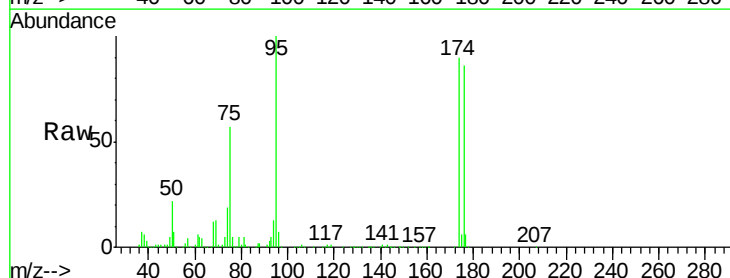
Tgt Ion: 95 Resp: 225784

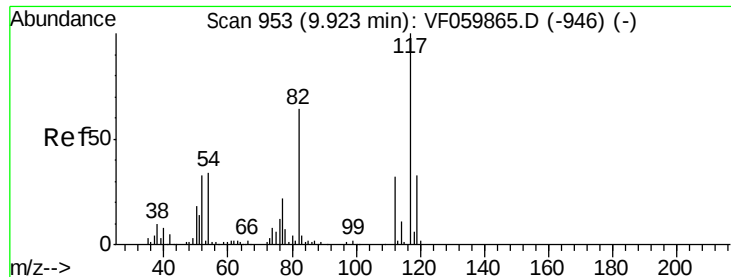
Ion Ratio Lower Upper

95 100

174 90.4 0.0 156.4

176 85.9 0.0 146.8

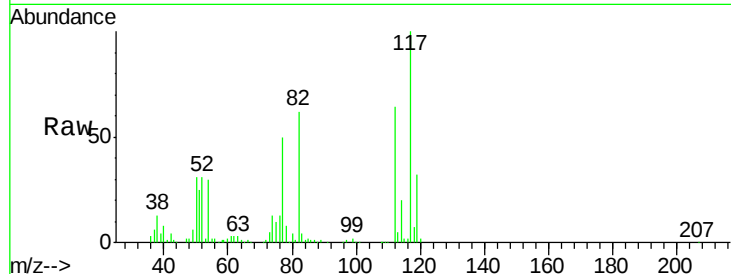




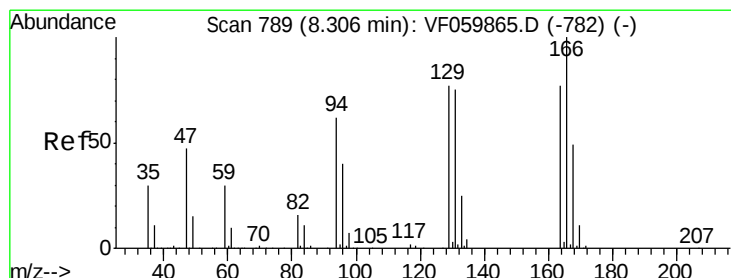
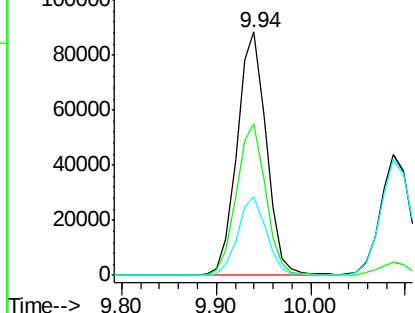
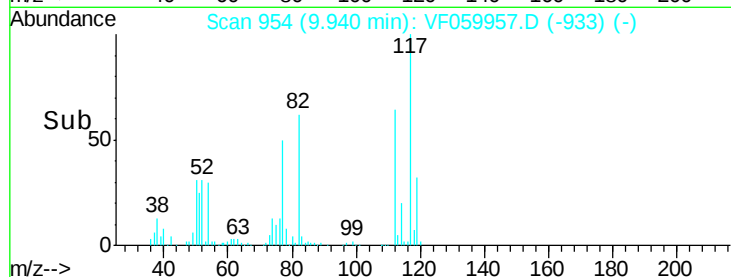
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 188715
Ion Ratio Lower Upper
117 100
82 62.4 48.3 72.5
119 32.2 25.7 38.5

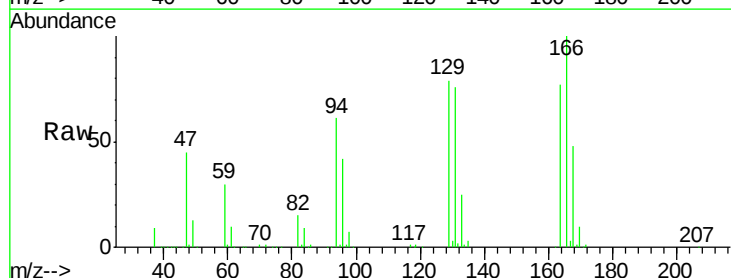


Abundance Ion 117.00 (116.70 to 117.70):
Ion 82.00 (81.70 to 82.70): VF059957.D (-933) (-)
Ion 119.00 (118.70 to 119.70):

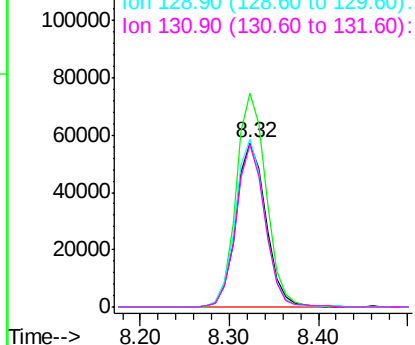
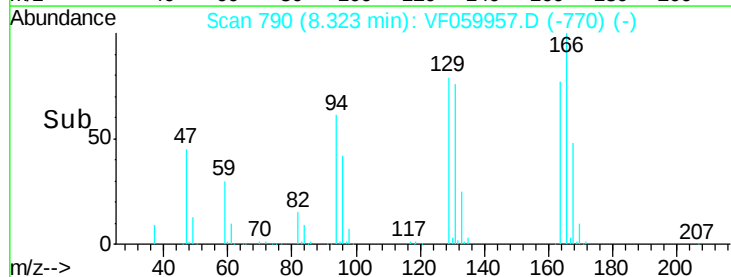


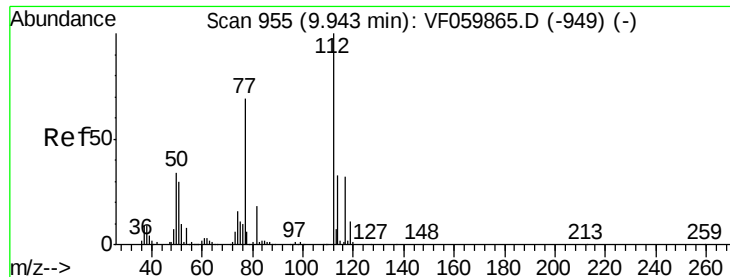
#64
Tetrachloroethene
Concen: 85.19 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion:164 Resp: 134326
Ion Ratio Lower Upper
164 100
166 129.9 103.4 155.2
129 102.1 82.2 123.4
131 98.8 76.7 115.1



Abundance Ion 163.85 (163.55 to 164.55):
Ion 165.80 (165.50 to 166.50): VF059957.D (-770) (-)
Ion 128.90 (128.60 to 129.60):
Ion 130.90 (130.60 to 131.60):

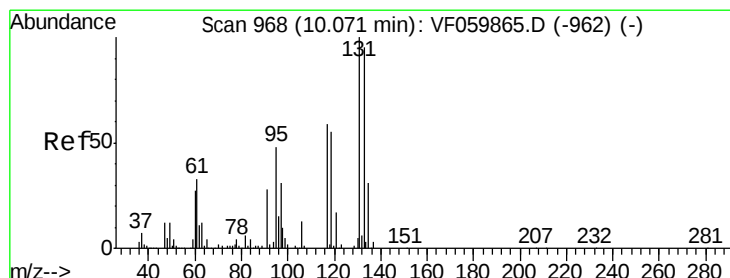
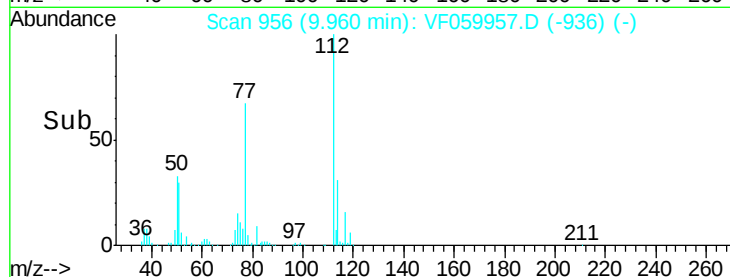
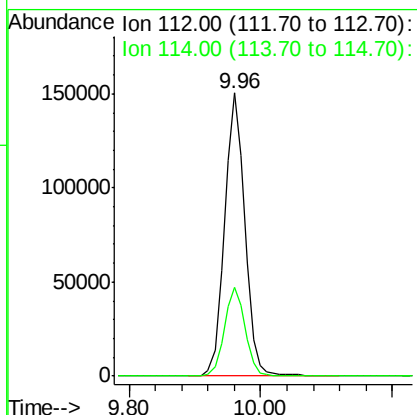
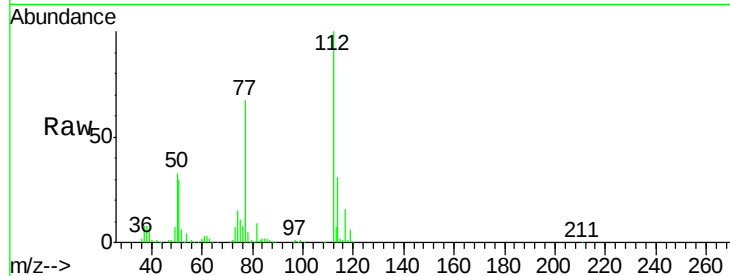




#65
Chlorobenzene
Concen: 86.01 ug/l
RT: 9.96 min Scan# 956
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

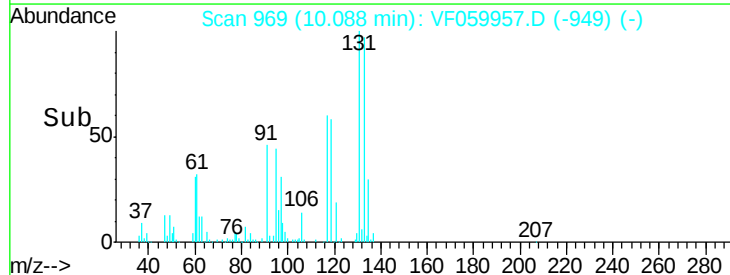
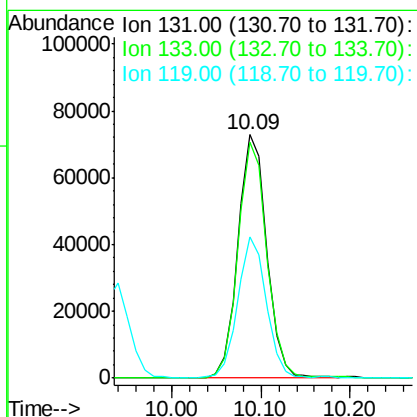
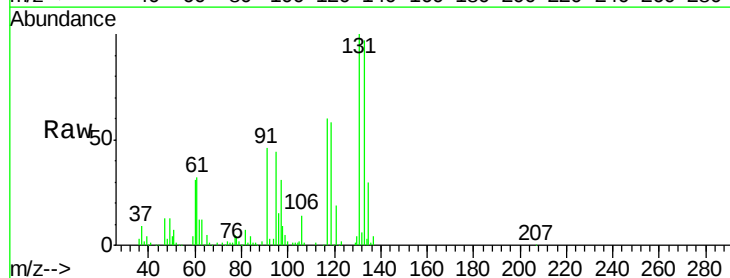
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

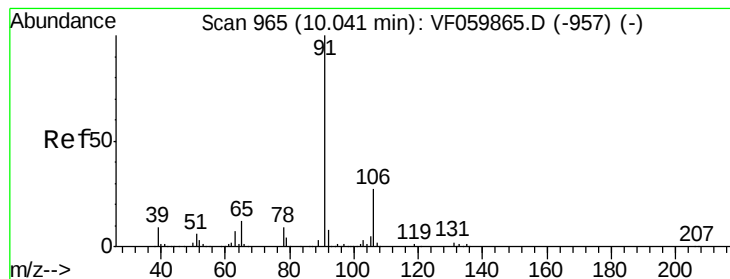
Tot Ion:112 Resp: 325071
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 87.59 ug/l
RT: 10.09 min Scan# 969
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion:131 Resp: 163562
Ion Ratio Lower Upper
131 100
133 96.7 46.4 139.1
119 57.7 27.2 81.5





#67

Ethyl Benzene

Concen: 94.61 ug/l

RT: 10.06 min Scan# 966

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

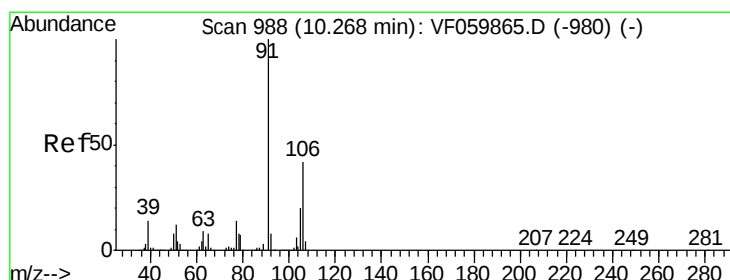
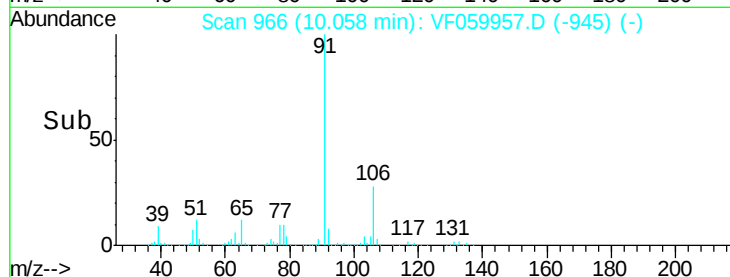
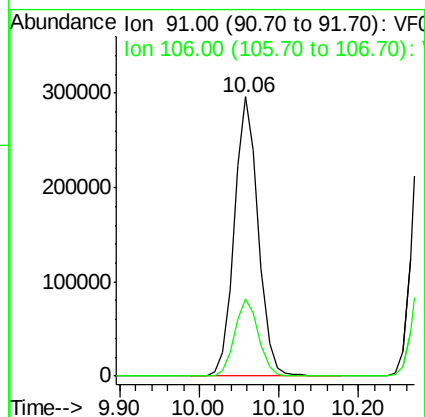
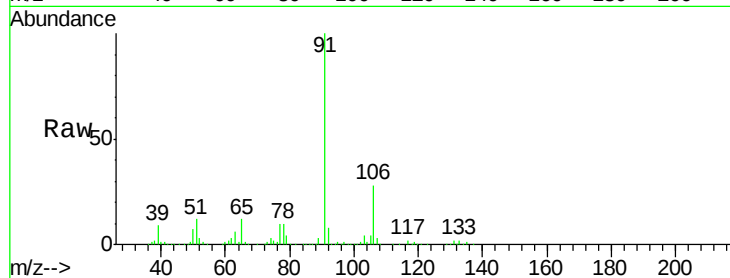
VSTDIC100

Tot Ion: 91 Resp: 618998

Ion Ratio Lower Upper

91 100

106 27.6 20.7 31.1



#68

m/p-Xylenes

Concen: 175.80 ug/l

RT: 10.28 min Scan# 989

Delta R.T. -0.00 min

Lab File: VF059957.D

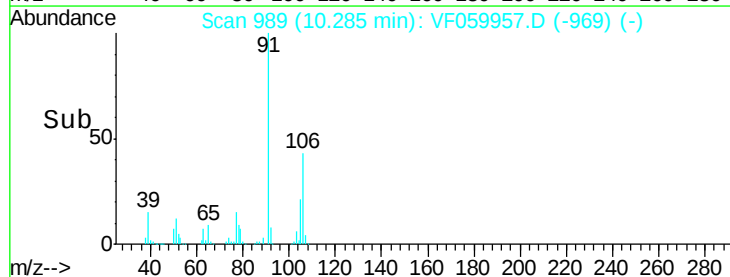
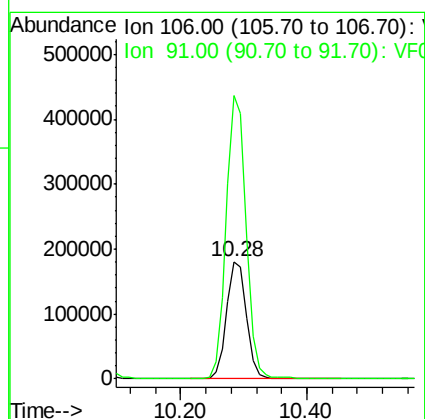
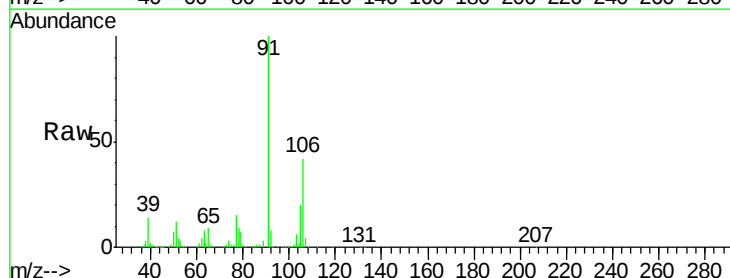
Acq: 14 Aug 2018 21:00

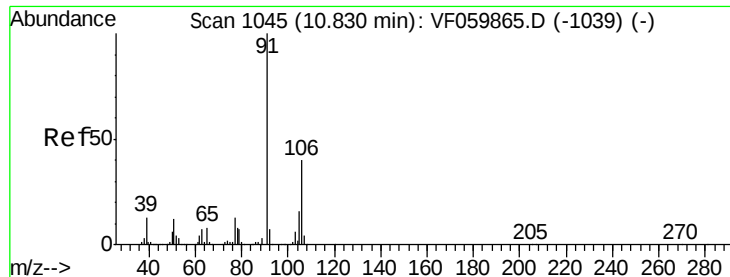
Tgt Ion: 106 Resp: 397797

Ion Ratio Lower Upper

106 100

91 240.8 191.8 287.8

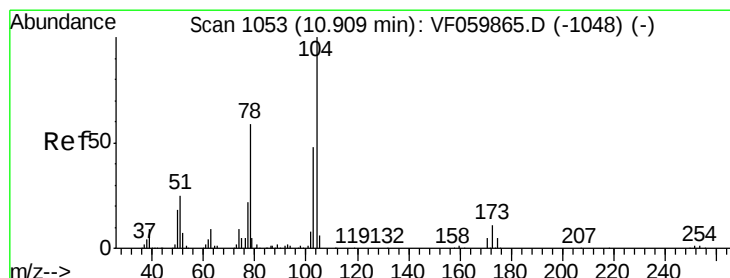
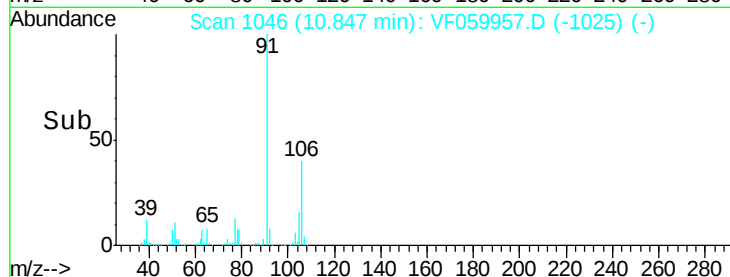
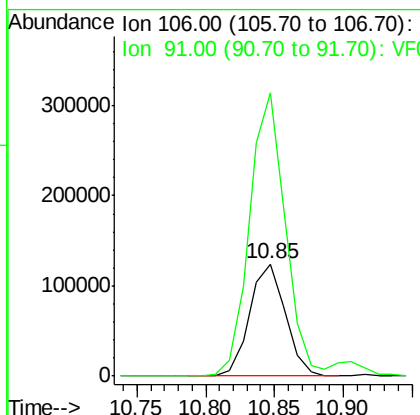
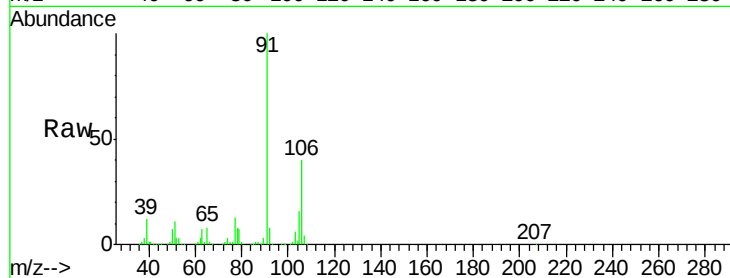




#69
o-Xylene
Concen: 95.67 ug/l
RT: 10.85 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

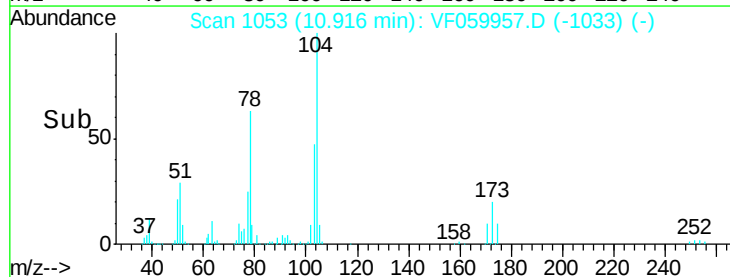
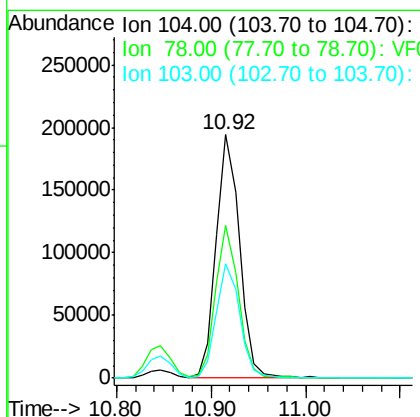
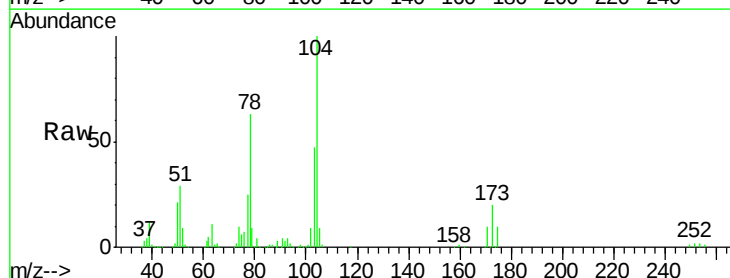
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

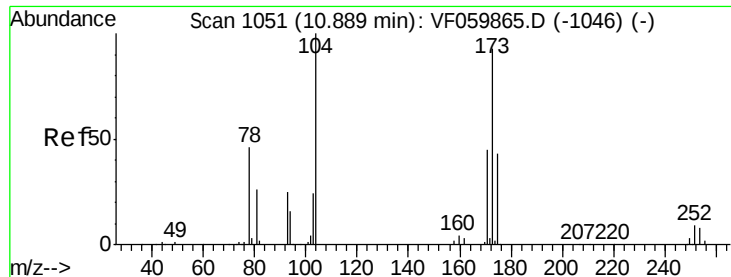
Tot Ion:106 Resp: 227143
Ion Ratio Lower Upper
106 100
91 252.0 126.8 380.6



#70
Styrene
Concen: 92.94 ug/l
RT: 10.92 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion:104 Resp: 333070
Ion Ratio Lower Upper
104 100
78 62.6 49.2 73.8
103 46.9 37.4 56.0





#71

Bromoform

Concen: 87.77 ug/l

RT: 10.91 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

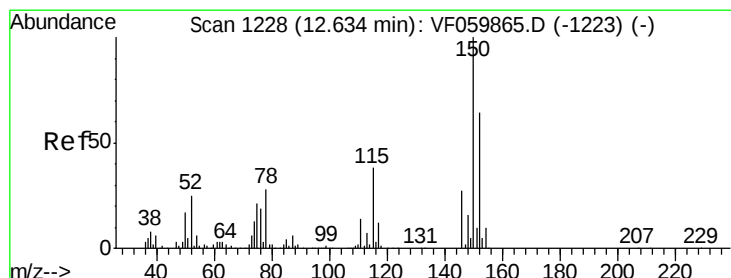
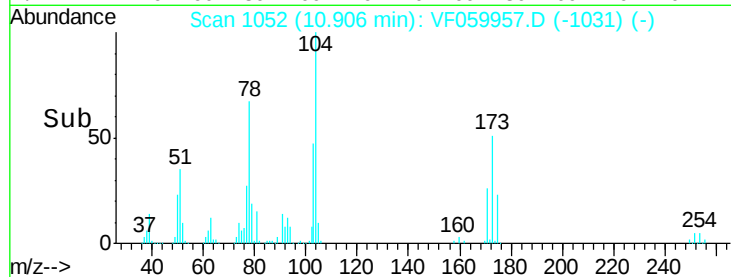
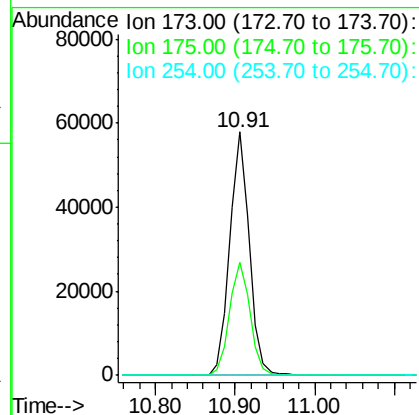
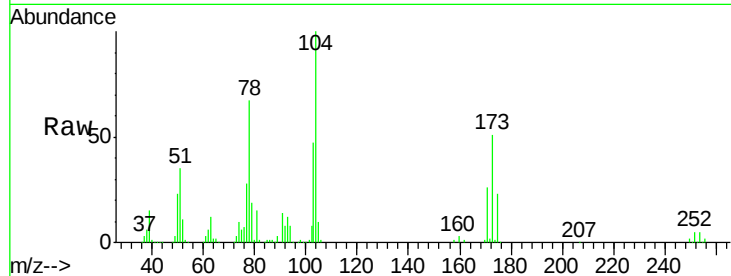
Tot Ion:173 Resp: 101103

Ion Ratio Lower Upper

173 100

175 46.3 24.6 73.6

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

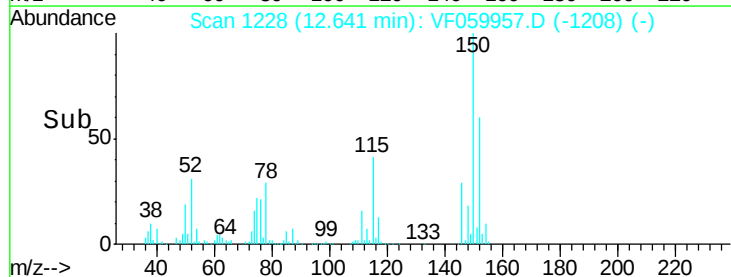
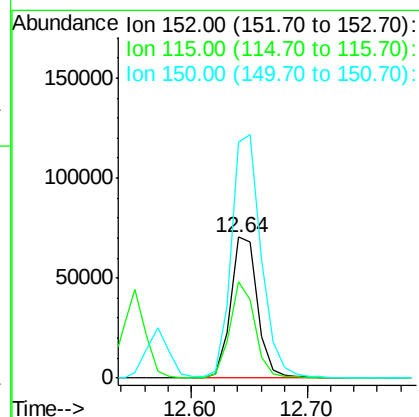
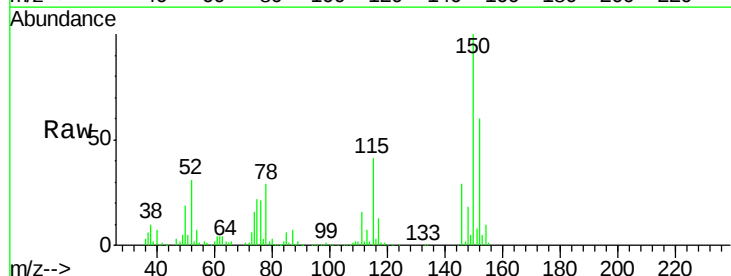
Tgt Ion:152 Resp: 113723

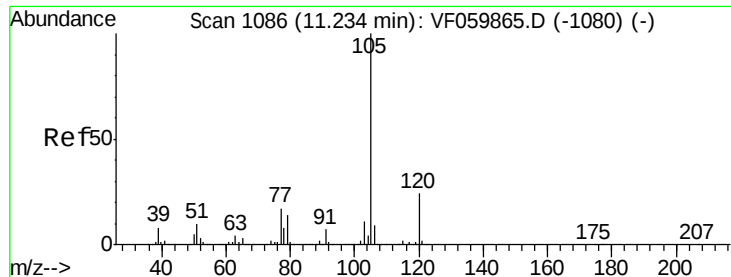
Ion Ratio Lower Upper

152 100

115 68.3 31.4 94.0

150 167.6 0.0 326.2

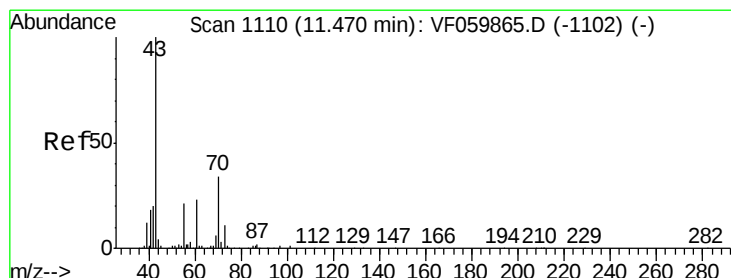
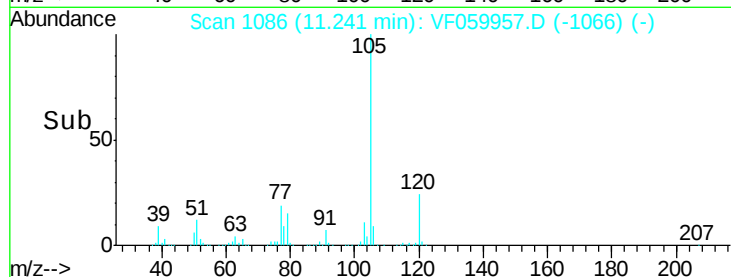
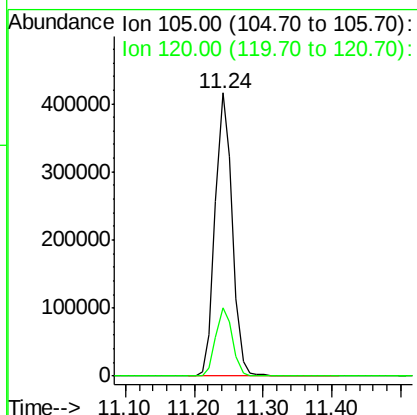
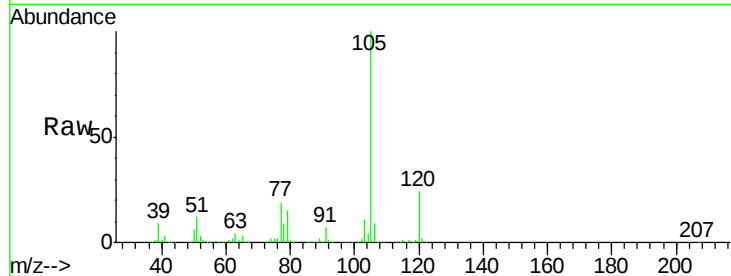




#73
Isopropylbenzene
Concen: 102.16 ug/l
RT: 11.24 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

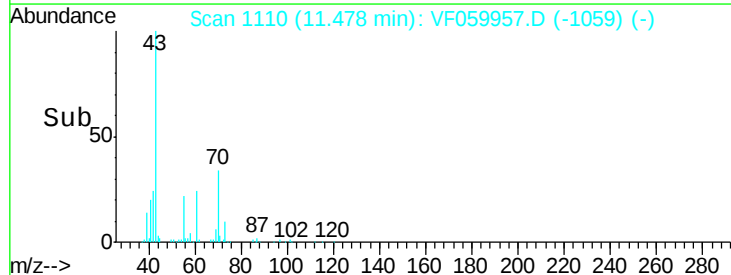
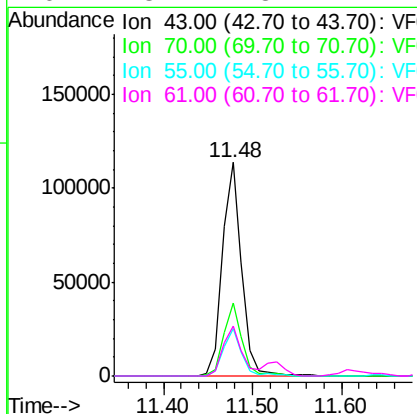
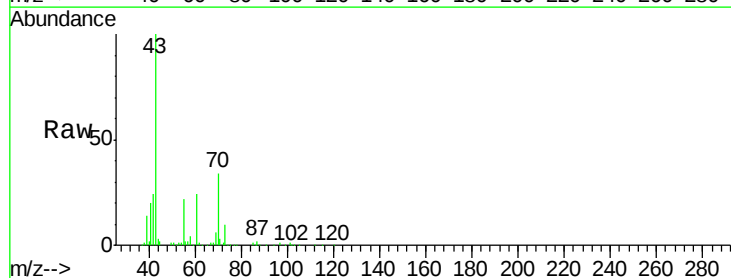
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

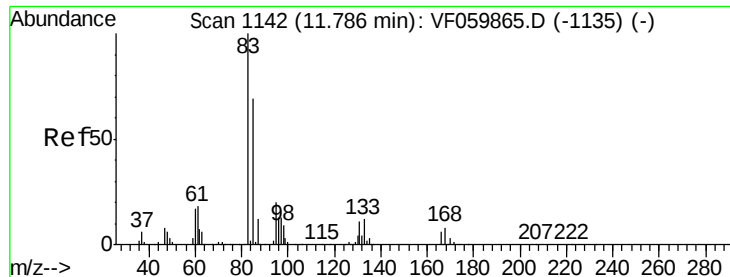
Tot Ion:105 Resp: 718940
Ion Ratio Lower Upper
105 100
120 24.0 11.9 35.9



#74
N-ethyl acetate
Concen: 95.57 ug/l
RT: 11.48 min Scan# 1110
Delta R.T. 0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion: 43 Resp: 172506
Ion Ratio Lower Upper
43 100
70 34.4 26.9 40.3
55 22.3 16.9 25.3
61 23.7 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 90.01 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

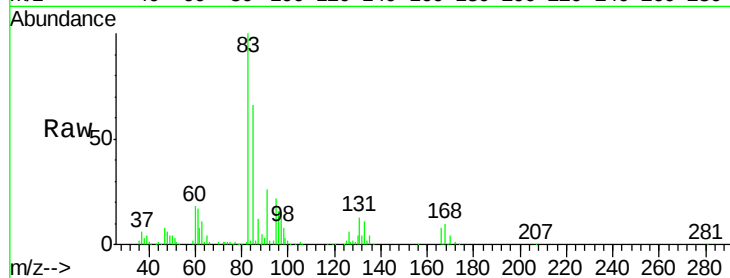
Tot Ion: 83 Resp: 118053

Ion Ratio Lower Upper

83 100

131 13.2 6.3 19.1

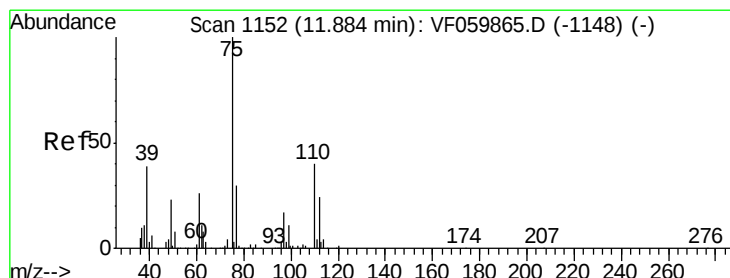
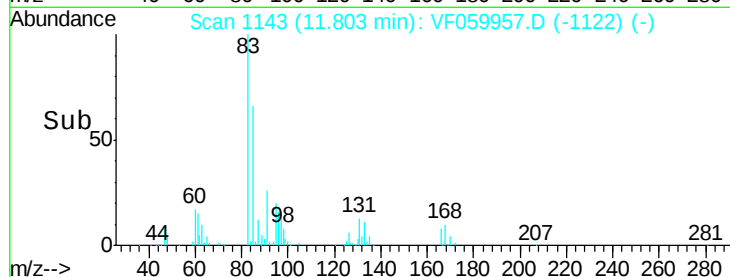
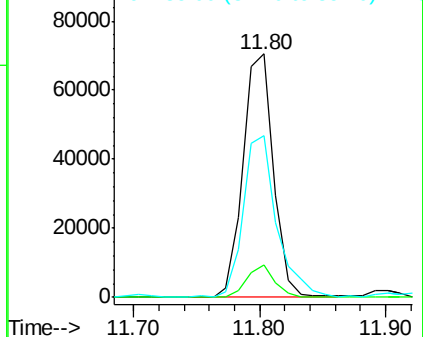
85 66.3 33.9 101.7



Abundance Ion 83.00 (82.70 to 83.70): VF059957.D (-1142) (-)

Ion 131.00 (130.70 to 131.70): VF059957.D (-1142) (-)

Ion 85.00 (84.70 to 85.70): VF059957.D (-1142) (-)



#76

1,2,3-Trichloropropane

Concen: 90.10 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF059957.D

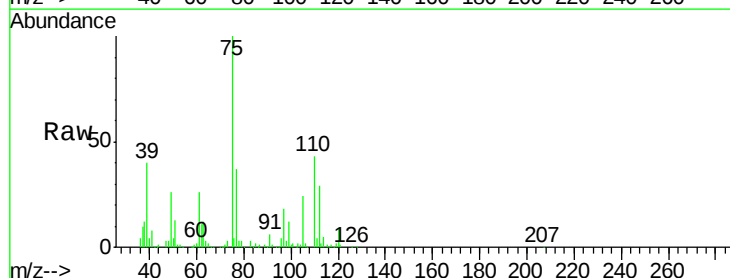
Acq: 14 Aug 2018 21:00

Tgt Ion: 75 Resp: 102031

Ion Ratio Lower Upper

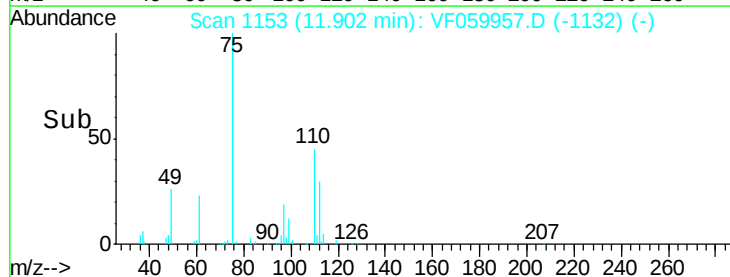
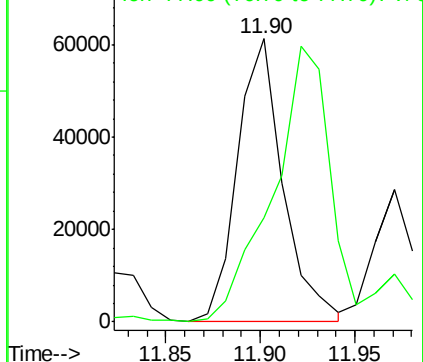
75 100

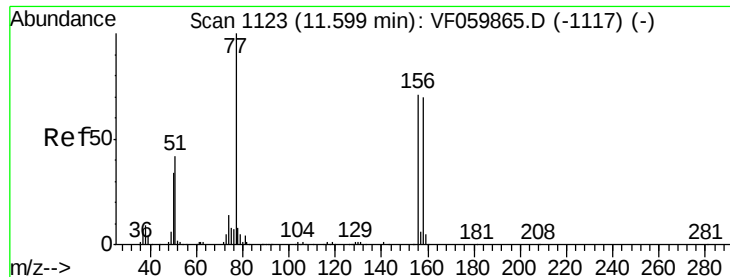
77 36.8 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF059957.D (-1152) (-)

Ion 77.00 (76.70 to 77.70): VF059957.D (-1152) (-)





#77

Bromobenzene

Concen: 95.52 ug/l

RT: 11.61 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

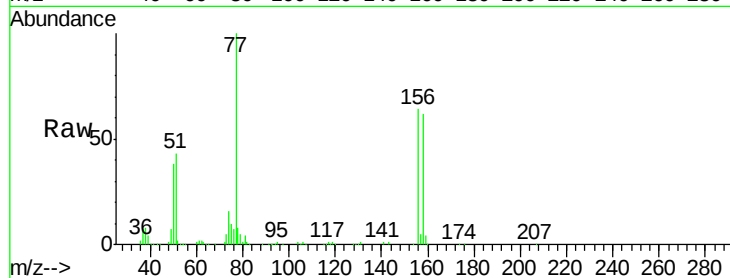
Tot Ion:156 Resp: 183322

Ion Ratio Lower Upper

156 100

77 155.6 67.8 203.2

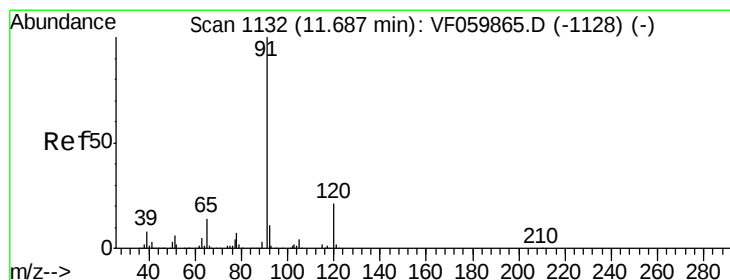
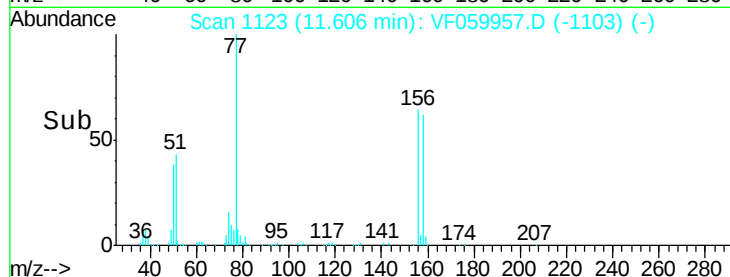
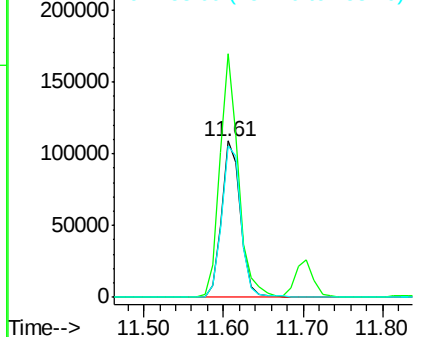
158 96.8 51.7 155.2



Abundance Ion 156.00 (155.70 to 156.70):

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70):



#78

n-propylbenzene

Concen: 95.61 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF059957.D

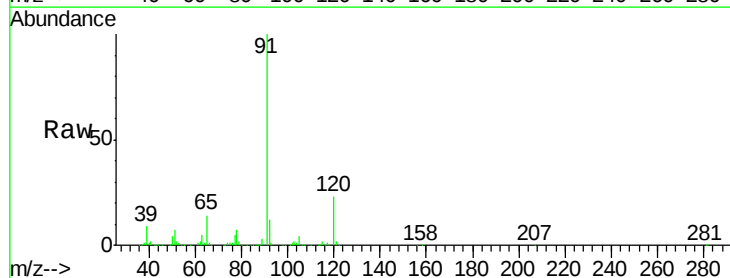
Acq: 14 Aug 2018 21:00

Tgt Ion: 91 Resp: 796083

Ion Ratio Lower Upper

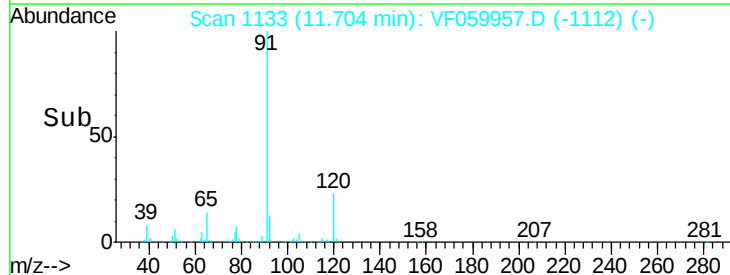
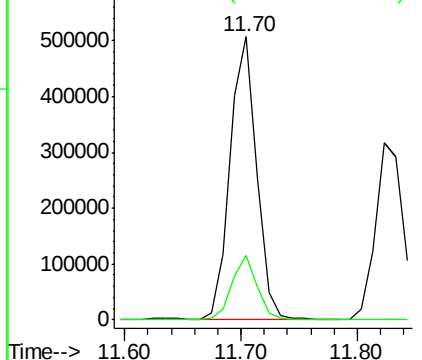
91 100

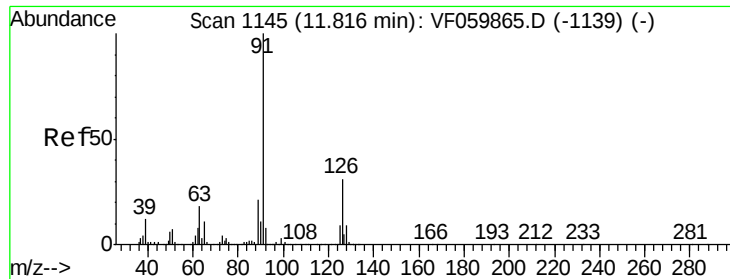
120 22.9 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70):

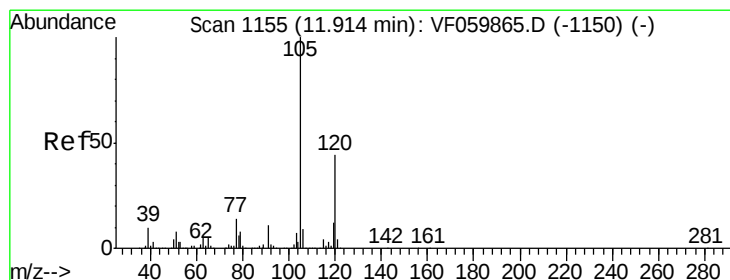
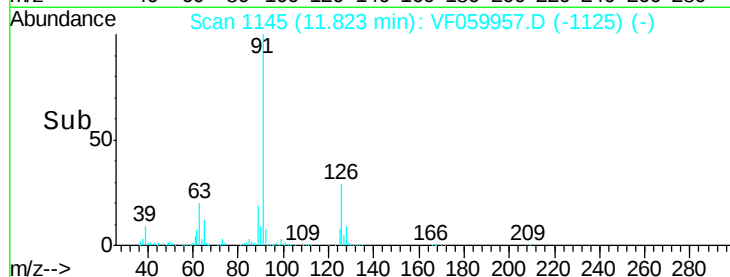
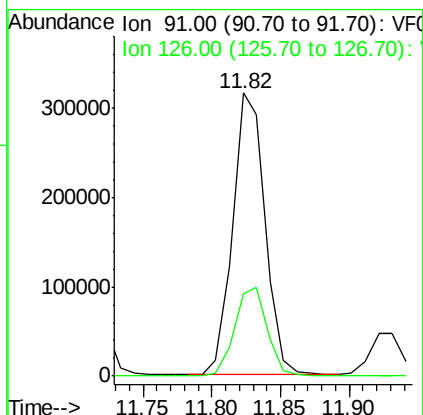
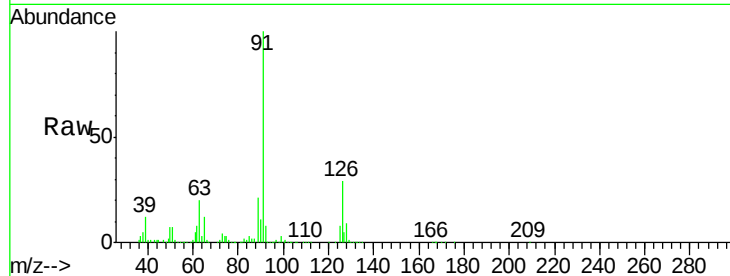




#79
 2-Chlorotoluene
 Concen: 98.53 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

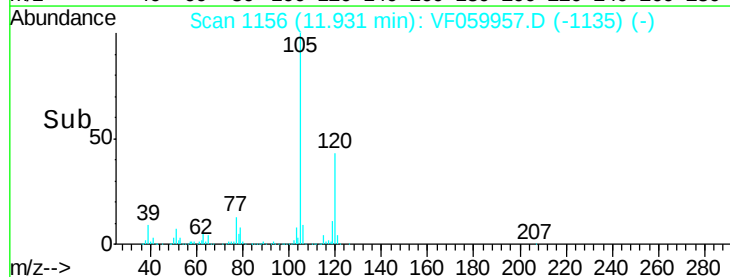
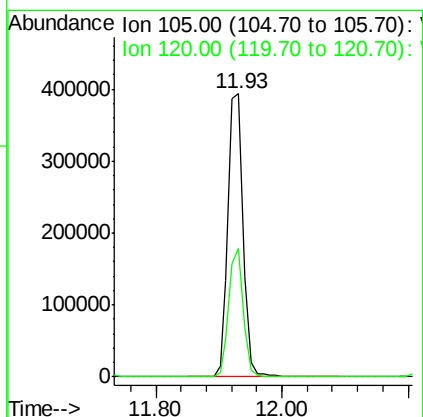
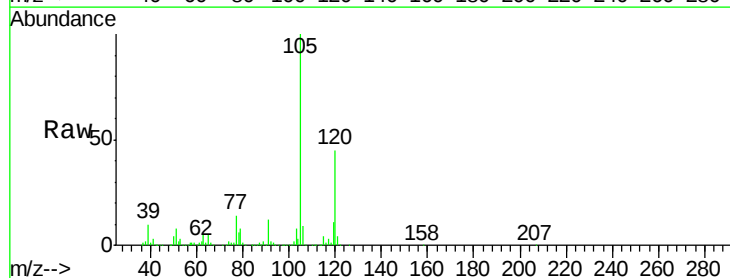
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

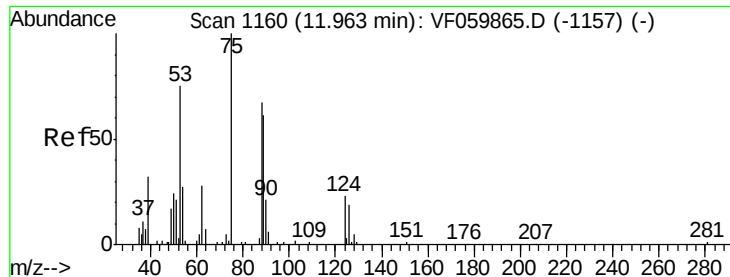
Tot Ion: 91 Resp: 516426
 Ion Ratio Lower Upper
 91 100
 126 29.2 15.2 45.5



#80
 1,3,5-Trimethylbenzene
 Concen: 100.43 ug/l
 RT: 11.93 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Tgt Ion: 105 Resp: 655898
 Ion Ratio Lower Upper
 105 100
 120 45.5 21.1 63.3





#81

trans-1,4-Dichloro-2-butene

Concen: 138.20 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

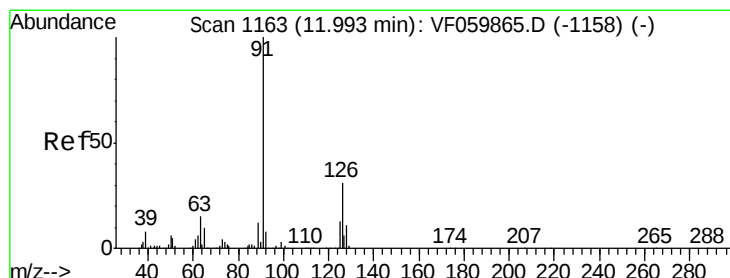
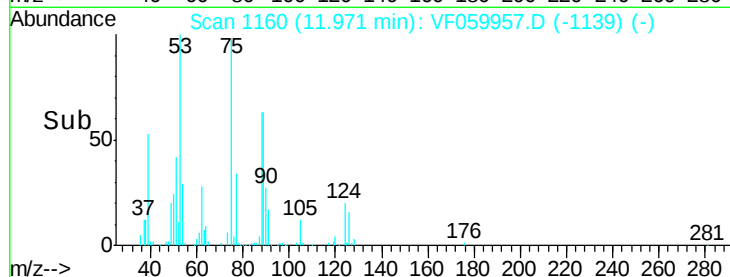
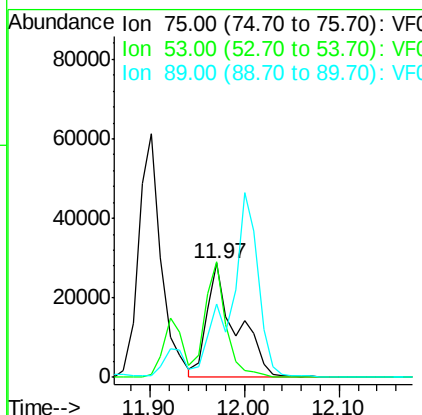
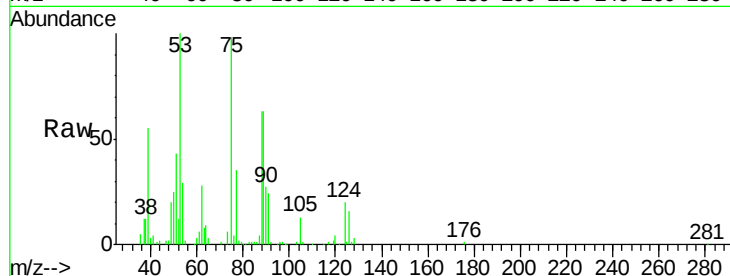
Tot Ion: 75 Resp: 62195

Ion Ratio Lower Upper

75 100

53 101.6 97.1 145.7

89 64.1 43.6 65.4



#82

4-Chlorotoluene

Concen: 97.88 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VF059957.D

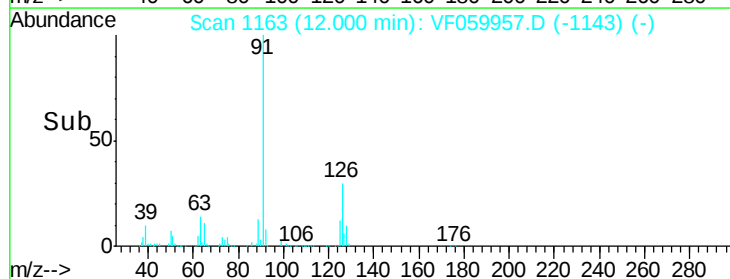
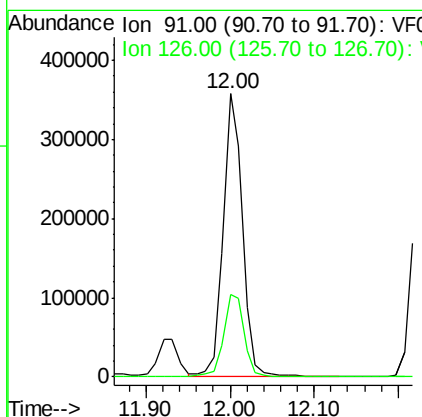
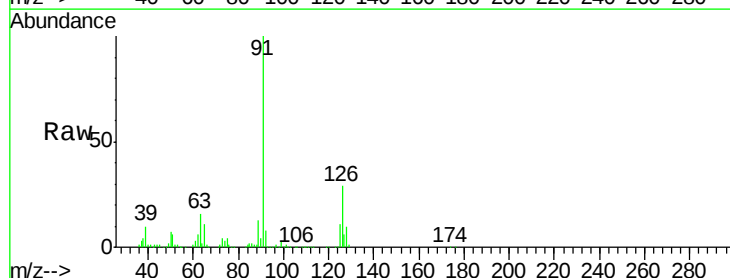
Acq: 14 Aug 2018 21:00

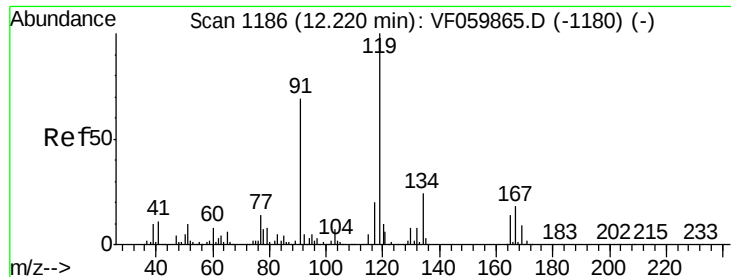
Tgt Ion: 91 Resp: 563735

Ion Ratio Lower Upper

91 100

126 29.2 15.3 45.8

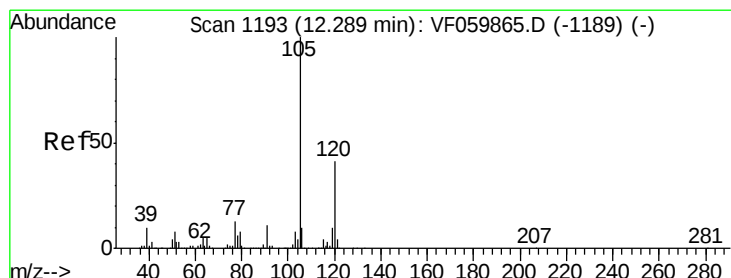
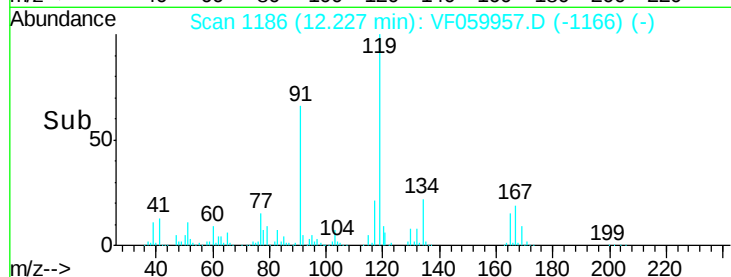
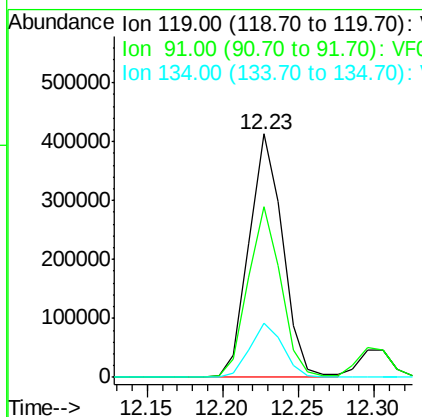
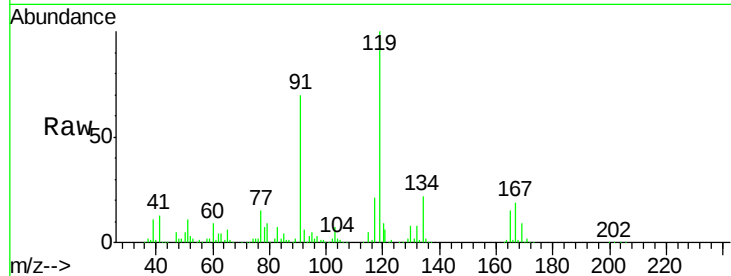




#83
 tert-Butylbenzene
 Concen: 100.57 ug/l
 RT: 12.23 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

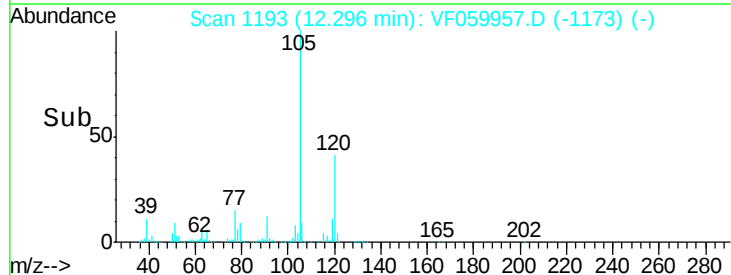
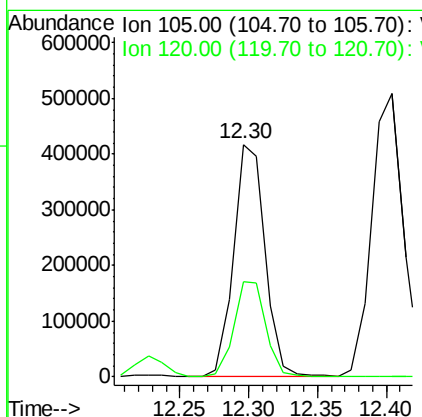
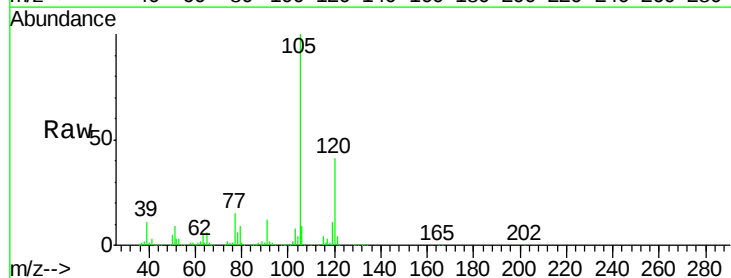
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

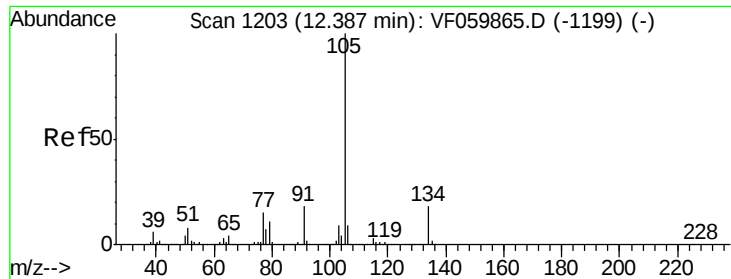
Tot Ion:119 Resp: 643421
 Ion Ratio Lower Upper
 119 100
 91 69.9 32.6 98.0
 134 22.1 10.1 30.3



#84
 1,2,4-Trimethylbenzene
 Concen: 97.94 ug/l
 RT: 12.30 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Tgt Ion:105 Resp: 663069
 Ion Ratio Lower Upper
 105 100
 120 40.8 20.6 61.9

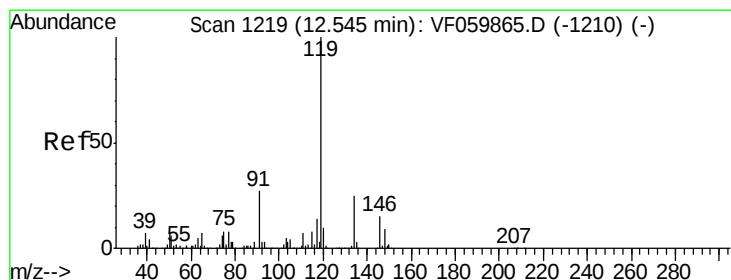
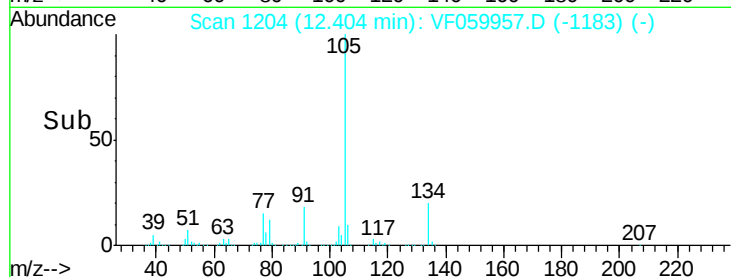
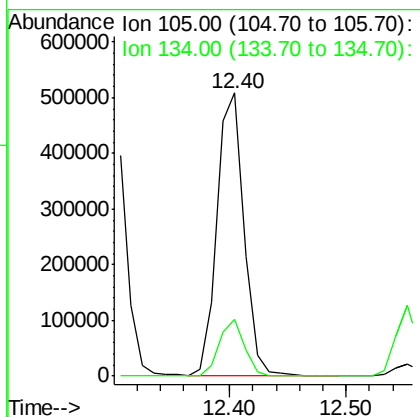
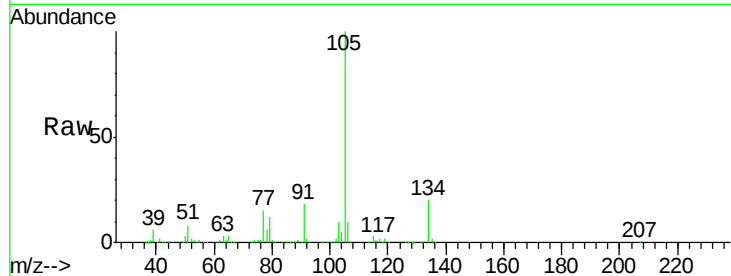




#85
 sec-Butylbenzene
 Concen: 95.94 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

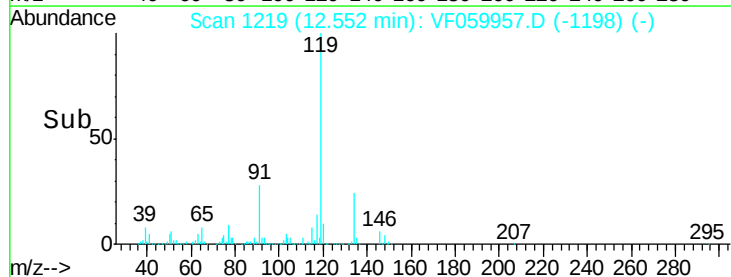
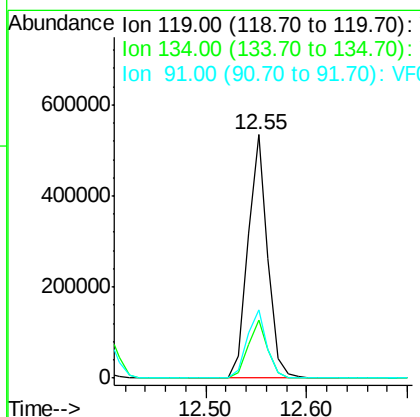
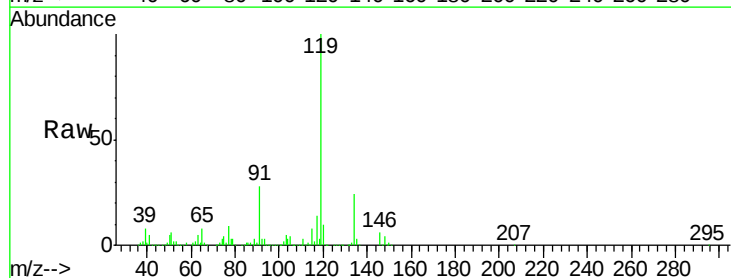
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

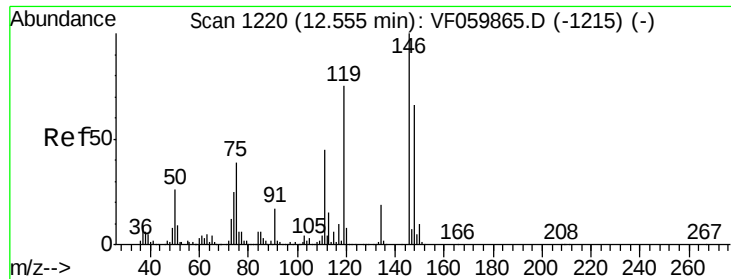
Tot Ion:105 Resp: 813929
 Ion Ratio Lower Upper
 105 100
 134 20.0 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 102.09 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Tgt Ion:119 Resp: 725624
 Ion Ratio Lower Upper
 119 100
 134 23.9 11.4 34.2
 91 27.8 14.8 44.4

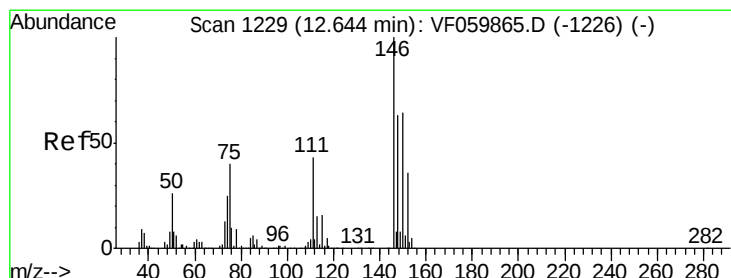
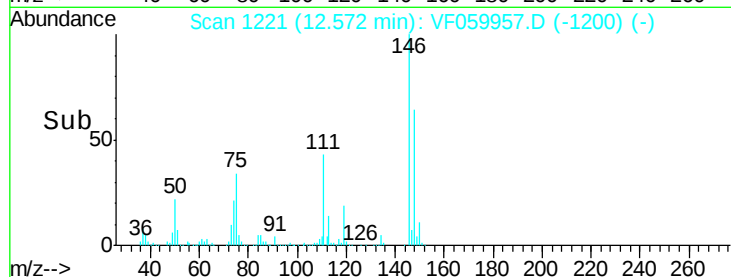
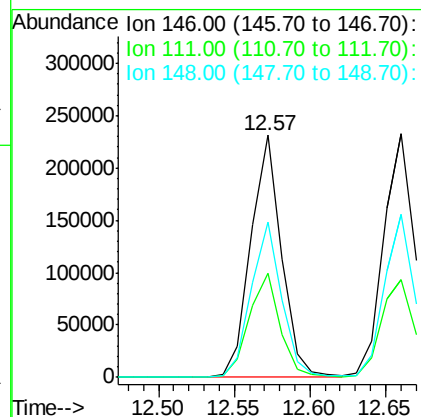
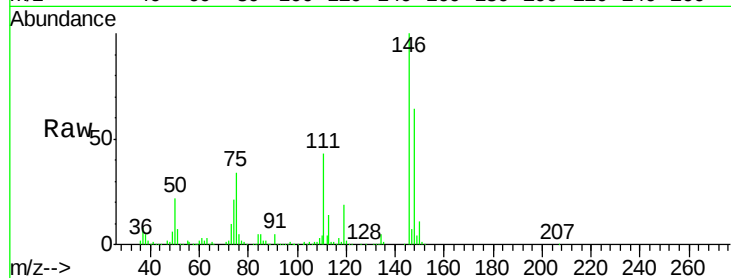




#87
 1,3-Dichlorobenzene
 Concen: 90.47 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

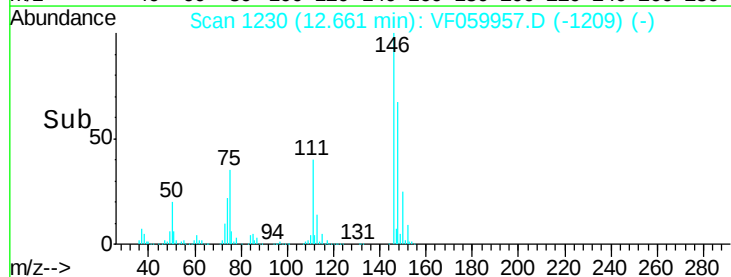
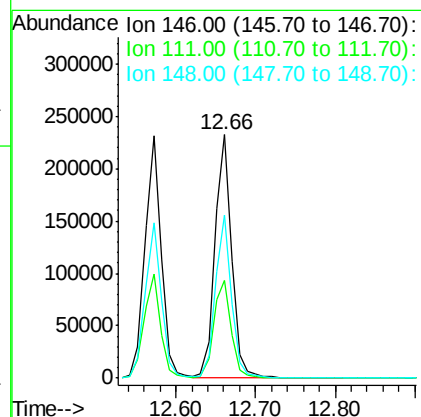
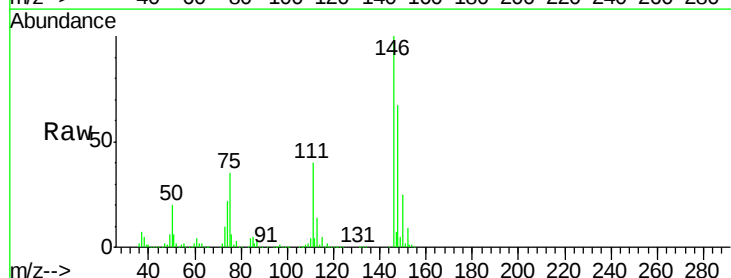
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

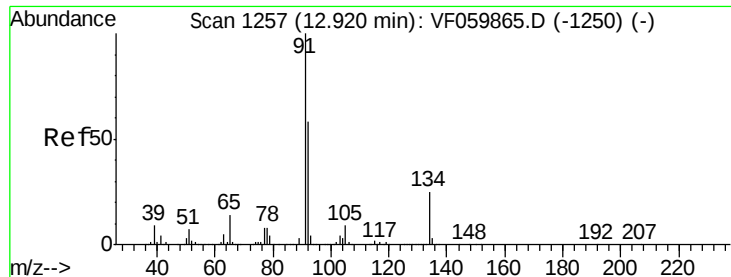
Tot Ion:146 Resp: 328720
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.3 63.9
 148 64.3 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 96.27 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Tgt Ion:146 Resp: 344351
 Ion Ratio Lower Upper
 146 100
 111 39.9 21.1 63.1
 148 66.8 31.7 95.1





#89

n-Butylbenzene

Concen: 100.87 ug/l

RT: 12.93 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

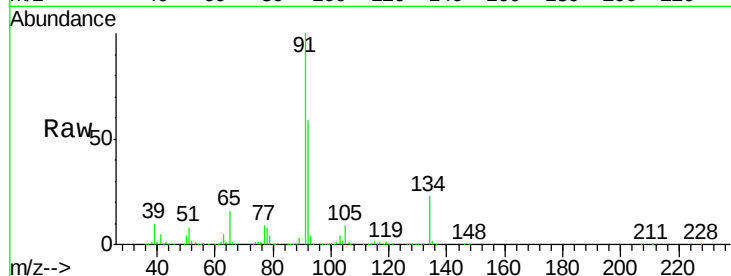
Tot Ion: 91 Resp: 691592

Ion Ratio Lower Upper

91 100

92 58.6 29.2 87.6

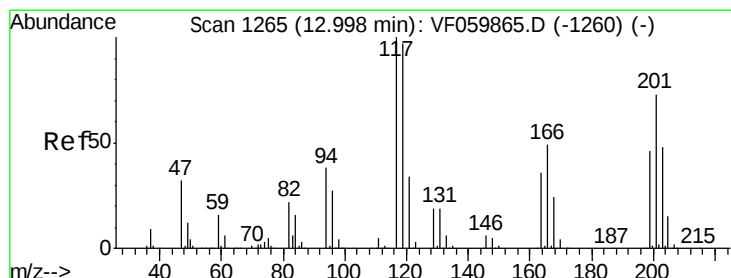
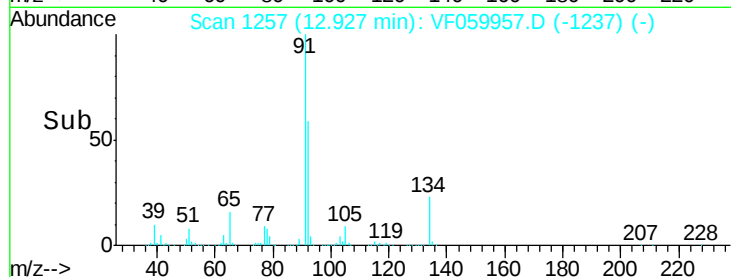
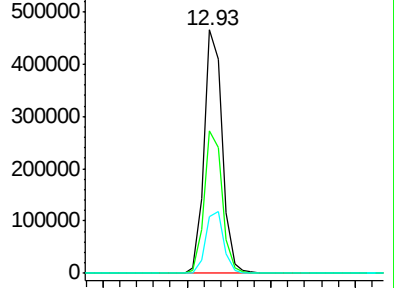
134 23.2 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VF059865.D (-1250) (-)

Ion 92.00 (91.70 to 92.70): VF059865.D (-1250) (-)

Ion 134.00 (133.70 to 134.70): VF059865.D (-1250) (-)



#90

Hexachloroethane

Concen: 94.41 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF059957.D

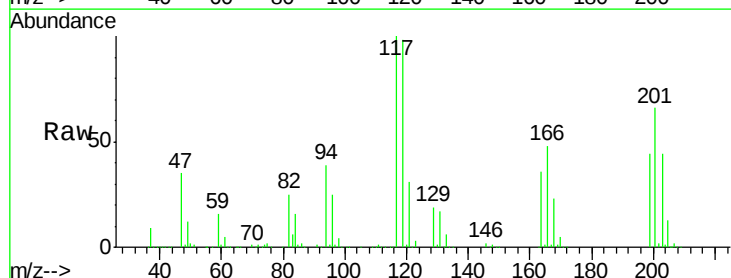
Acq: 14 Aug 2018 21:00

Tgt Ion: 117 Resp: 182954

Ion Ratio Lower Upper

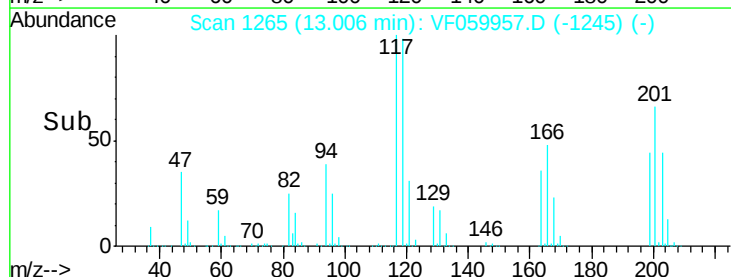
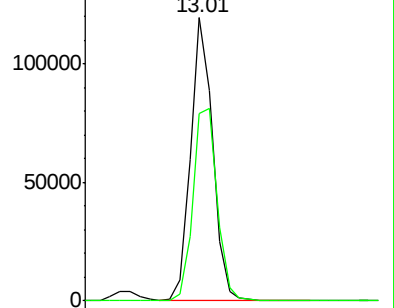
117 100

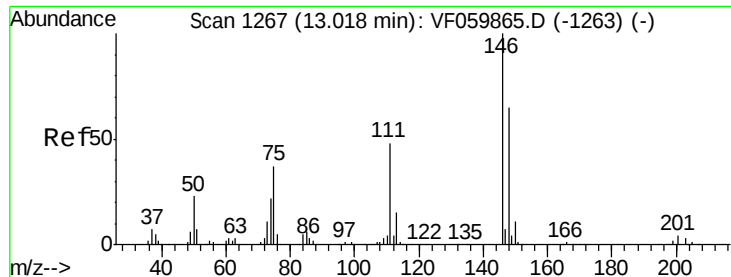
201 66.0 41.8 125.3



Abundance Ion 117.00 (116.70 to 117.70): VF059865.D (-1260) (-)

Ion 201.00 (200.70 to 201.70): VF059865.D (-1260) (-)

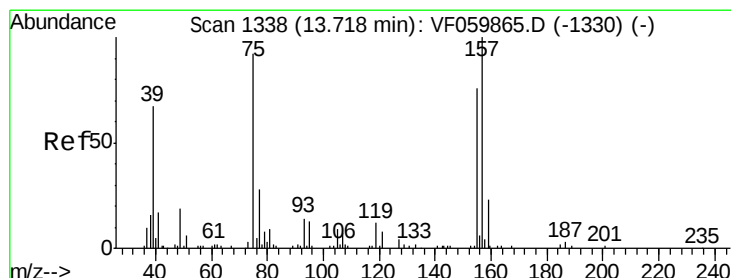
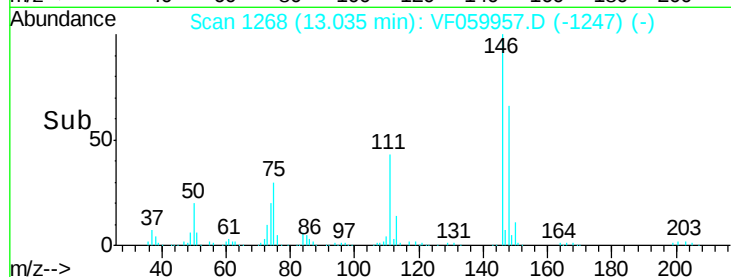
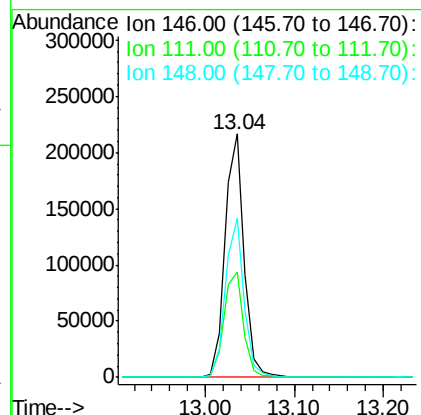
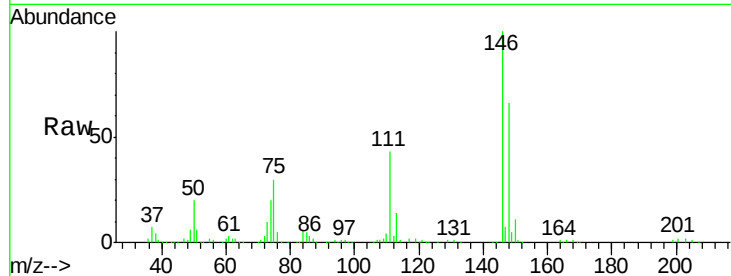




#91
 1,2-Dichlorobenzene
 Concen: 93.75 ug/l
 RT: 13.04 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

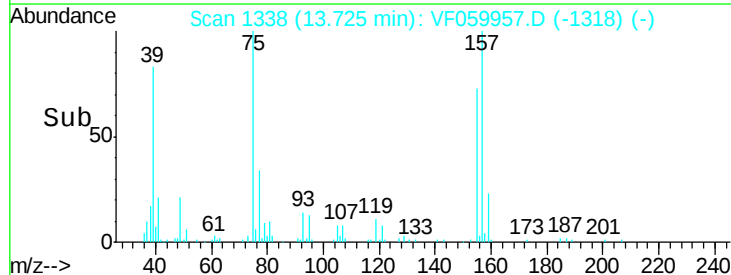
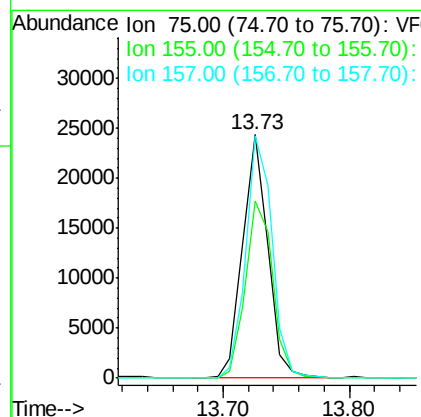
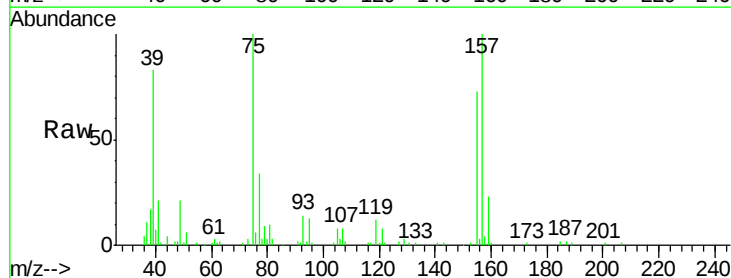
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

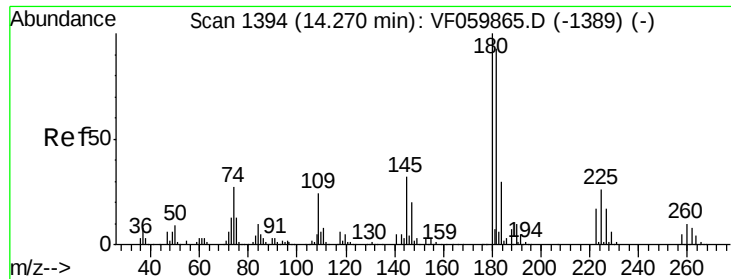
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.0	66.0
148	65.6	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 100.67 ug/l
 RT: 13.73 min Scan# 1338
 Delta R.T. -0.00 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.9	44.6	134.0
157	99.8	54.8	164.3





#93

1,2,4-Trichlorobenzene

Concen: 95.84 ug/l

RT: 14.28 min Scan# 1394

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

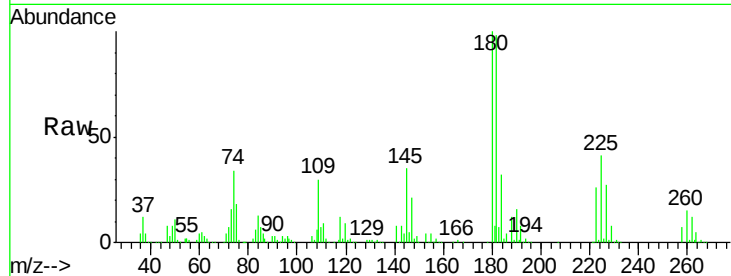
Tot Ion:180 Resp: 256902

Ion Ratio Lower Upper

180 100

182 97.8 50.2 150.7

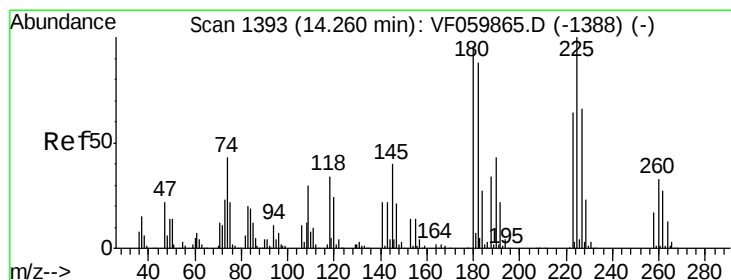
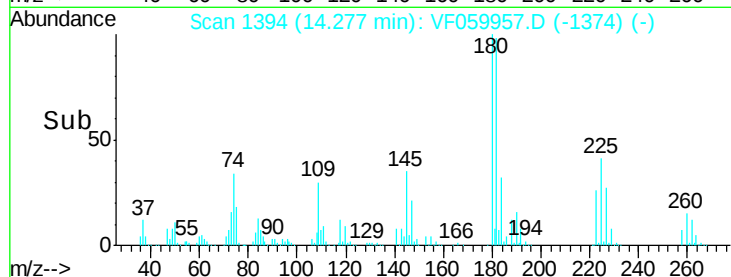
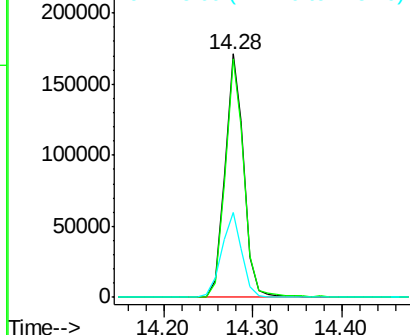
145 34.9 14.9 44.9



Abundance Ion 180.00 (179.70 to 180.70):

Ion 182.00 (181.70 to 182.70):

Ion 145.00 (144.70 to 145.70):



#94

Hexachlorobutadiene

Concen: 98.67 ug/l

RT: 14.27 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

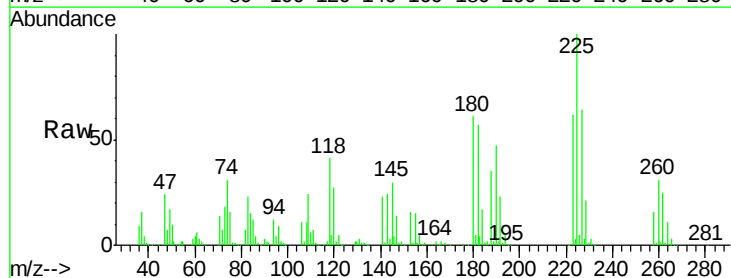
Tgt Ion:225 Resp: 187188

Ion Ratio Lower Upper

225 100

223 61.6 29.6 88.8

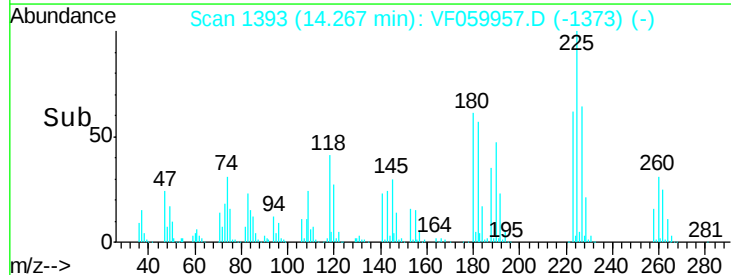
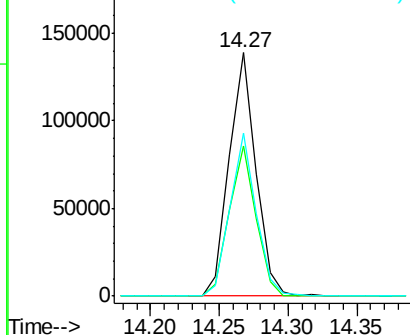
227 67.2 32.5 97.5

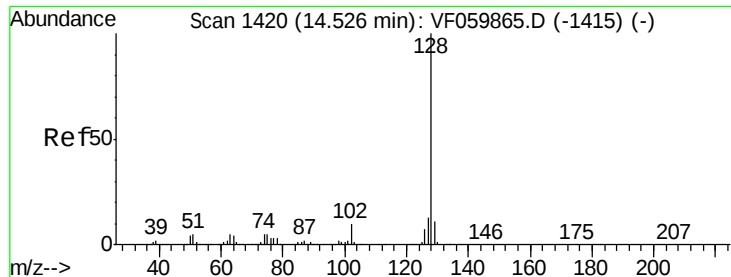


Abundance Ion 225.00 (224.70 to 225.70):

Ion 223.00 (222.70 to 223.70):

Ion 227.00 (226.70 to 227.70):

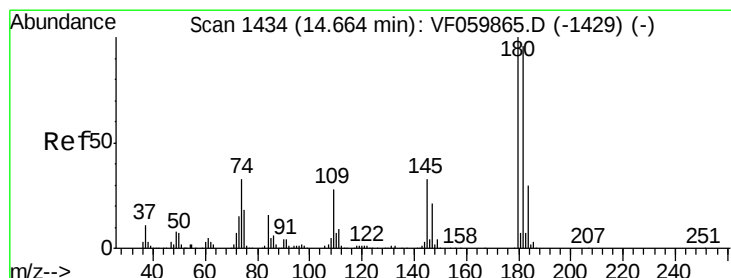
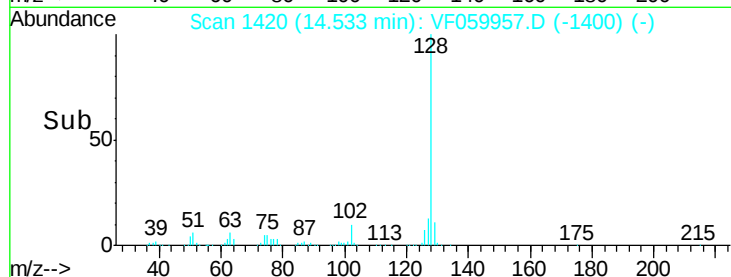
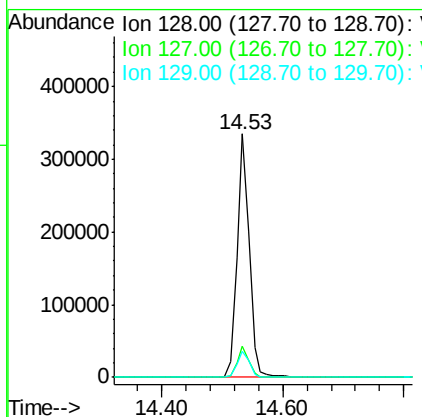
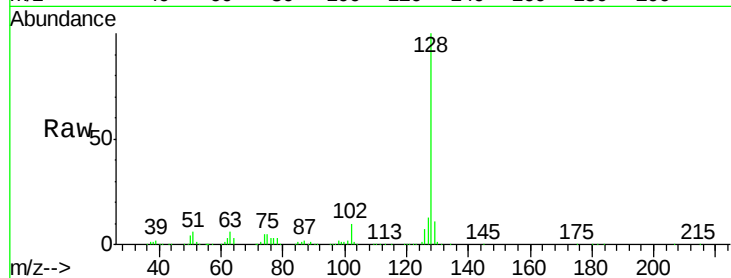




#95
Naphthalene
Concen: 102.16 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 468570
Ion Ratio Lower Upper
128 100
127 12.9 9.9 14.9
129 10.8 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 99.02 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion:180 Resp: 259621
Ion Ratio Lower Upper
180 100
182 100.6 47.5 142.6
145 32.3 17.6 52.8

