

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059868.D
 Acq On : 4 Aug 2018 6:07
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 04 06:26:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 05:27:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	219242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	325888	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	330665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	203167	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	548221	136.90	ug/l	0.00
Spiked Amount			Recovery	=	273.80%	
35) Dibromofluoromethane	4.29	113	428792	125.79	ug/l	0.00
Spiked Amount			Recovery	=	251.58%	
50) Toluene-d8	7.72	98	1045829	132.74	ug/l	0.00
Spiked Amount			Recovery	=	265.48%	
62) 4-Bromofluorobenzene	11.51	95	535584	122.86	ug/l	0.00
Spiked Amount			Recovery	=	245.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	510533	159.428	ug/l	99
3) Chloromethane	1.09	50	255457	163.601	ug/l	98
4) Vinyl Chloride	1.16	62	277060	172.451	ug/l	90
5) Bromomethane	1.34	94	226592	170.375	ug/l	98
6) Chloroethane	1.41	64	151047	149.509	ug/l	94
7) Trichlorofluoromethane	1.53	101	457335	106.897	ug/l	98
8) Diethyl Ether	1.70	74	116417	163.070	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.90	101	335663	149.949	ug/l	98
10) Methyl Iodide	1.96	142	583804	164.205	ug/l	92
11) Tert butyl alcohol	2.69	59	110302	629.548	ug/l #	89
12) 1,1-Dichloroethene	1.85	96	282241	158.577	ug/l	80
13) Acrolein	2.09	56	70313	924.316	ug/l	100
14) Allyl chloride	2.19	41	448727	157.279	ug/l	89
15) Acrylonitrile	3.07	53	207697	715.994	ug/l	96
16) Acetone	2.33	43	465655	648.025	ug/l	94
17) Carbon Disulfide	1.89	76	767982	173.332	ug/l	100
18) Methyl Acetate	2.45	43	186546	139.015	ug/l	92
19) Methyl tert-butyl Ether	2.54	73	781593	148.005	ug/l	99
20) Methylene Chloride	2.27	84	118839	57.761	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	279514	156.789	ug/l	90
22) Diisopropyl ether	2.92	45	920371	155.502	ug/l	89
23) Vinyl Acetate	3.33	43	2154377	716.746	ug/l	98
24) 1,1-Dichloroethane	2.99	63	607592	146.446	ug/l	100
25) 2-Butanone	4.51	43	589960	762.167	ug/l	97
26) 2,2-Dichloropropane	3.75	77	343157	120.138	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	309134	141.405	ug/l	92
28) Bromochloromethane	3.89	49	217785	135.247	ug/l	98
29) Tetrahydrofuran	4.26	42	206693	676.131	ug/l	99
30) Chloroform	4.04	83	792767	136.989	ug/l	95
31) Cyclohexane	3.86	56	339316	150.824	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	627284	138.267	ug/l	99
36) 1,1-Dichloropropene	4.46	75	518229	133.659	ug/l	98
37) Ethyl Acetate	4.29	43	231642	122.752	ug/l #	72
38) Carbon Tetrachloride	4.18	117	757257	142.414	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	413312	141.280	ug/l	94
40) Benzene	4.81	78	935284	139.003	ug/l	98
41) Methacrylonitrile	4.93	41	121192	130.713	ug/l	95
42) 1,2-Dichloroethane	5.12	62	680333	141.587	ug/l	98
43) Isopropyl Acetate	7.11	43	289234	149.570	ug/l #	99
44) Trichloroethene	5.67	130	325648	124.822	ug/l	95
45) 1,2-Dichloropropane	6.40	63	255513	144.547	ug/l	90
46) Dibromomethane	6.26	93	243315	144.550	ug/l	96
47) Bromodichloromethane	6.55	83	654142	141.752	ug/l	98
48) Methyl methacrylate	6.88	41	226159	154.484	ug/l	94
49) 1,4-Dioxane	6.87	88	29589	2622.067	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	1241909	807.560	ug/l	96
52) Toluene	7.78	92	686607	137.492	ug/l	90
53) t-1,3-Dichloropropene	8.44	75	536277	136.730	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	566043	147.387	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	248045	138.649	ug/l	98
56) Ethyl methacrylate	8.76	69	297482	160.726	ug/l	89
57) 1,3-Dichloropropane	9.01	76	444880	143.392	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	154338	685.300	ug/l	100
59) 2-Hexanone	9.64	43	932437	767.648	ug/l	94
60) Dibromochloromethane	8.87	129	462734	143.813	ug/l	98
61) 1,2-Dibromoethane	9.14	107	317702	149.604	ug/l	99
64) Tetrachloroethene	8.31	164	378825	140.482	ug/l	99
65) Chlorobenzene	9.94	112	923324	136.230	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	418527	131.620	ug/l	98
67) Ethyl Benzene	10.05	91	1582039	134.506	ug/l	95
68) m/p-Xylenes	10.28	106	1085766	263.372	ug/l	84
69) o-Xylene	10.83	106	609471	139.773	ug/l	91
70) Styrene	10.91	104	873980	133.821	ug/l	99
71) Bromoform	10.89	173	278565	136.419	ug/l #	94
73) Isopropylbenzene	11.23	105	1798713	132.227	ug/l	95
74) N-amyl acetate	11.47	43	490268	146.107	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	334304	132.781	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	280863	130.124	ug/l	99
77) Bromobenzene	11.60	156	484566	136.869	ug/l	96
78) n-propylbenzene	11.69	91	1970035	124.193	ug/l	95
79) 2-Chlorotoluene	11.82	91	1287038	130.538	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	1565504	127.764	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	163835	188.612	ug/l #	88
82) 4-Chlorotoluene	11.99	91	1401617	133.204	ug/l	98
83) tert-Butylbenzene	12.22	119	1508714	124.073	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	1609479	130.860	ug/l	94
85) sec-Butylbenzene	12.39	105	2034124	129.921	ug/l	96
86) p-Isopropyltoluene	12.55	119	1665263	120.590	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	822971	121.897	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	832602	126.083	ug/l	94
89) n-Butylbenzene	12.92	91	1585085	122.049	ug/l	92
90) Hexachloroethane	13.00	117	459398	132.533	ug/l	97
91) 1,2-Dichlorobenzene	13.03	146	839877	128.637	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	95215	152.096	ug/l	98

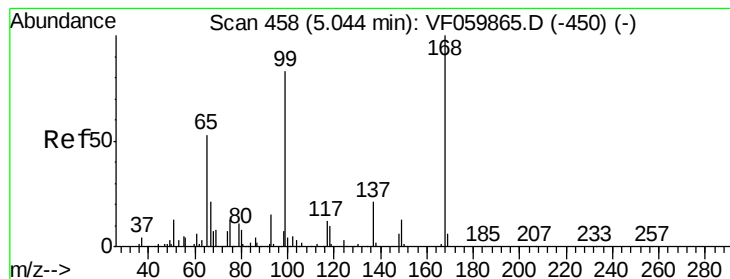
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	638010	125.753	ug/l	93
94) Hexachlorobutadiene	14.26	225	434955	127.903	ug/l	97
95) Naphthalene	14.53	128	1343967	151.418	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	655623	133.049	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

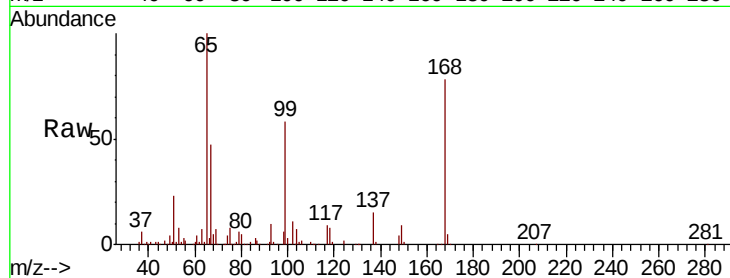
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 219242

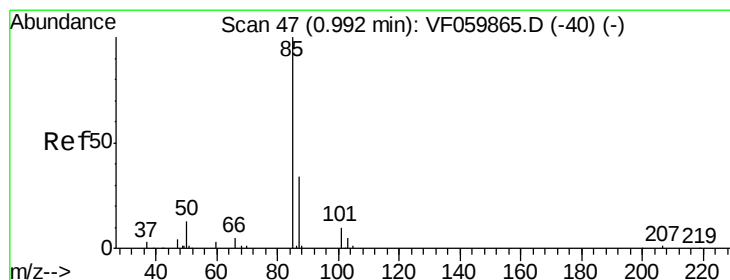
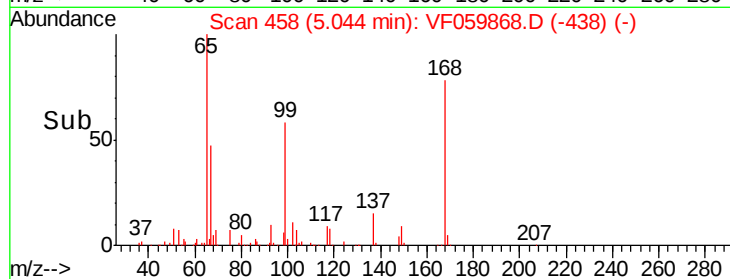
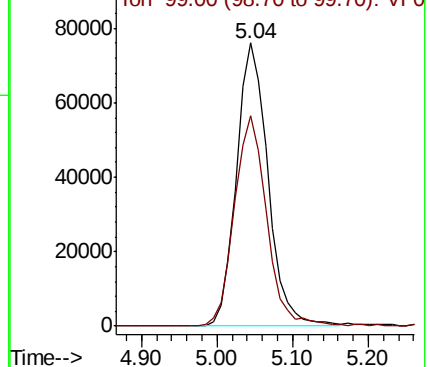
Ion Ratio Lower Upper

168 100

99 74.2 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 159.428 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059868.D

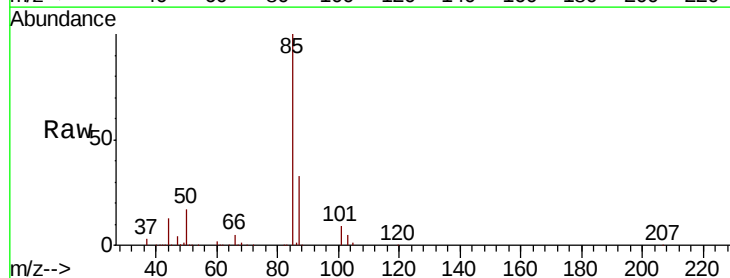
Acq: 4 Aug 2018 6:07

Tgt Ion: 85 Resp: 510533

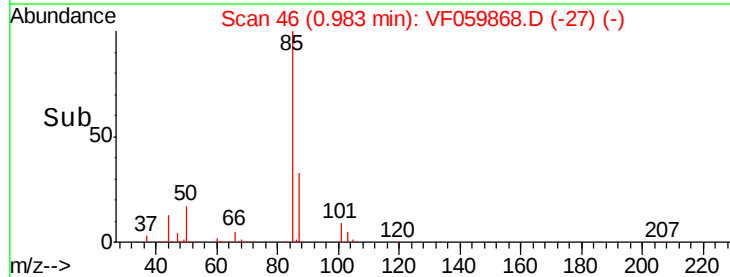
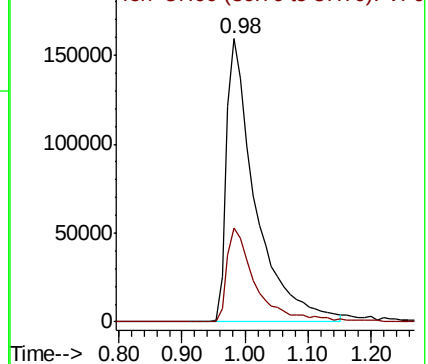
Ion Ratio Lower Upper

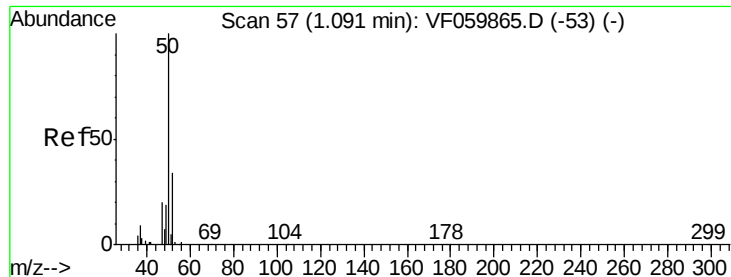
85 100

87 33.1 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 163.601 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

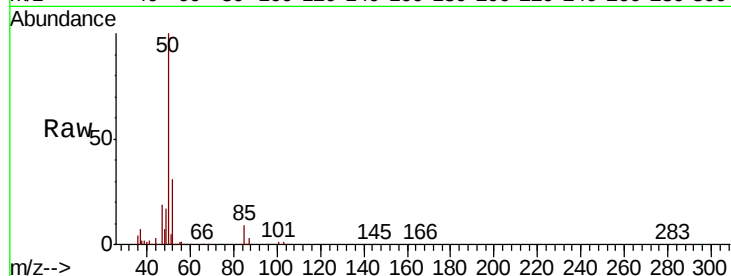
ClientSampleId :

Tot Ion: 50 Resp: 255457

Ion Ratio Lower Upper

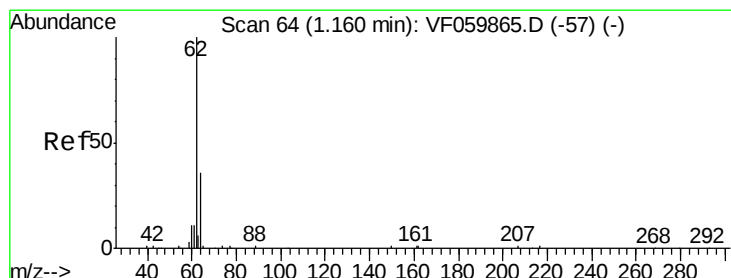
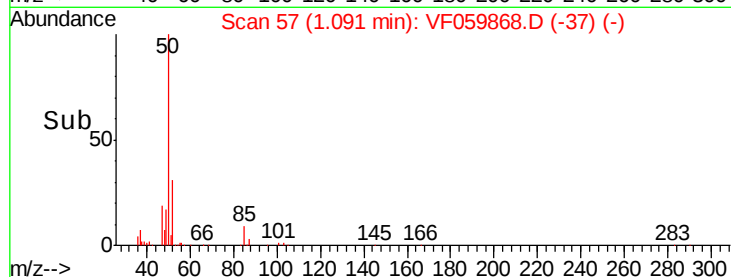
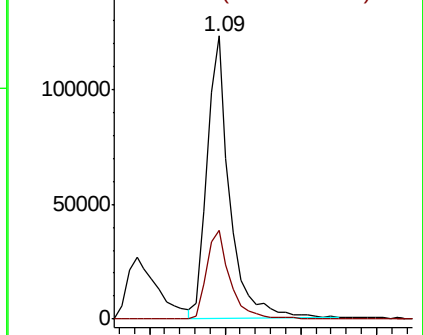
50 100

52 31.3 25.8 38.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 172.451 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF059868.D

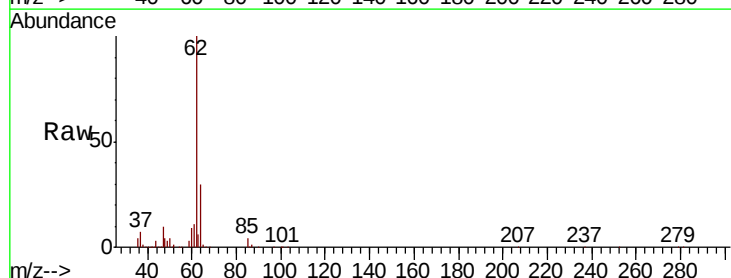
Acq: 4 Aug 2018 6:07

Tgt Ion: 62 Resp: 277060

Ion Ratio Lower Upper

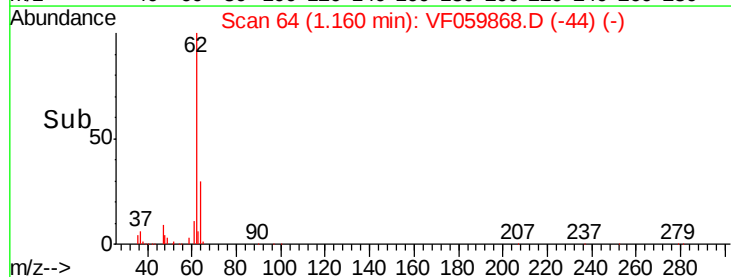
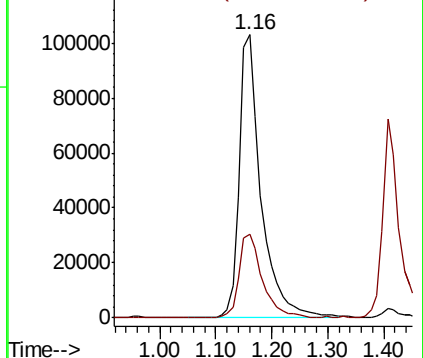
62 100

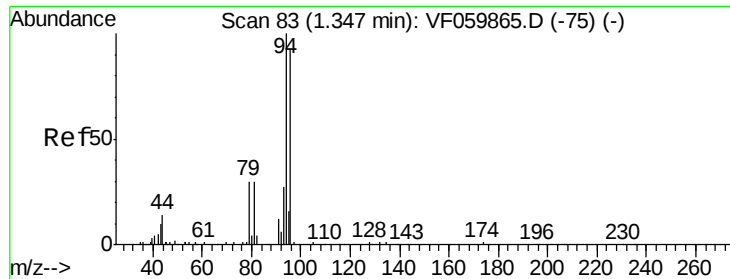
64 29.5 28.5 42.7



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 170.375 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

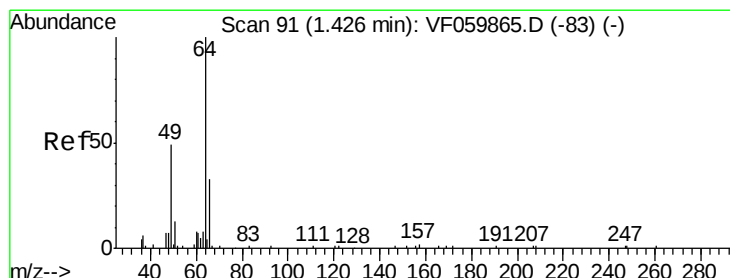
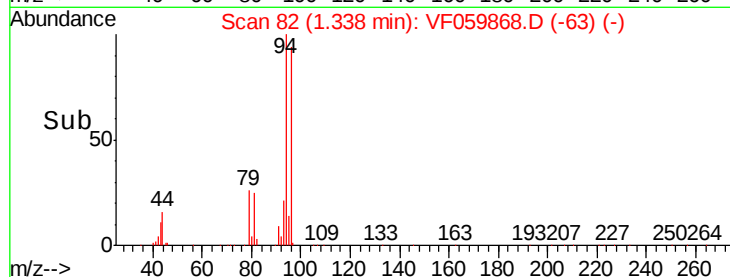
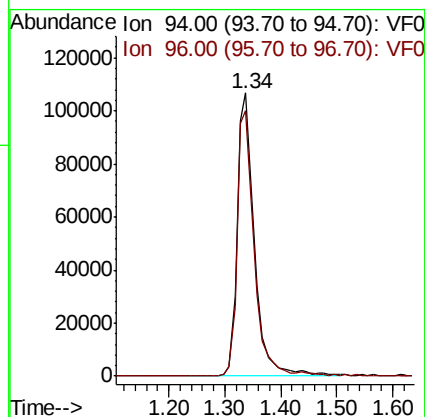
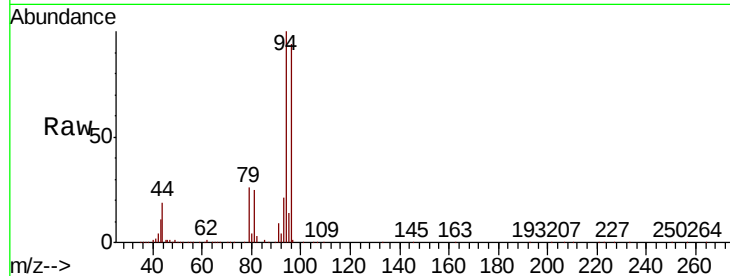
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 226592

Ion Ratio Lower Upper

94 100

96 93.8 73.8 110.8



#6

Chloroethane

Concen: 149.509 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.02 min

Lab File: VF059868.D

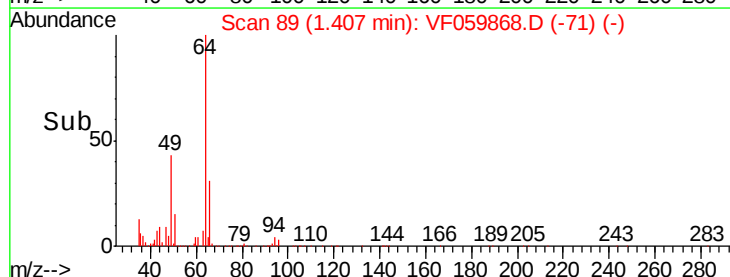
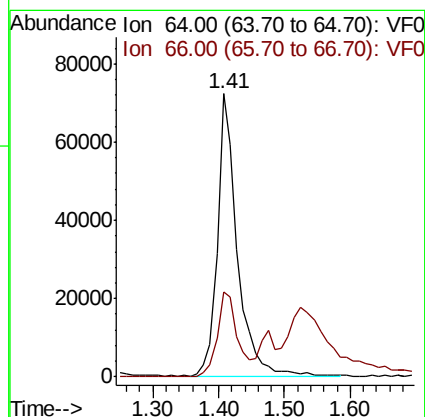
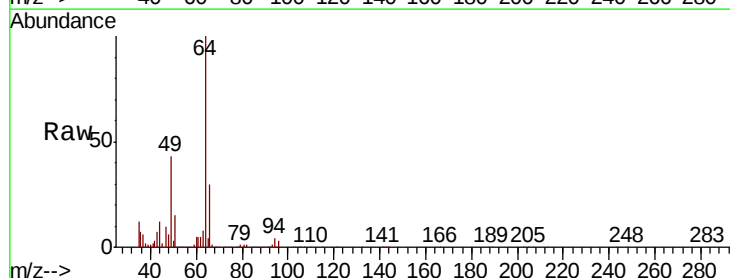
Acq: 4 Aug 2018 6:07

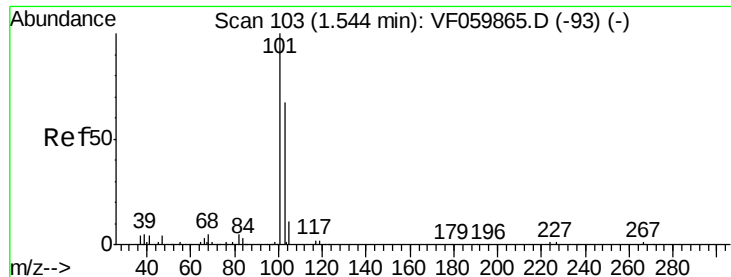
Tgt Ion: 64 Resp: 151047

Ion Ratio Lower Upper

64 100

66 30.1 26.9 40.3



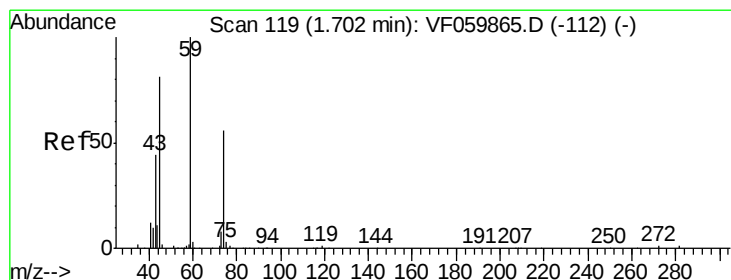
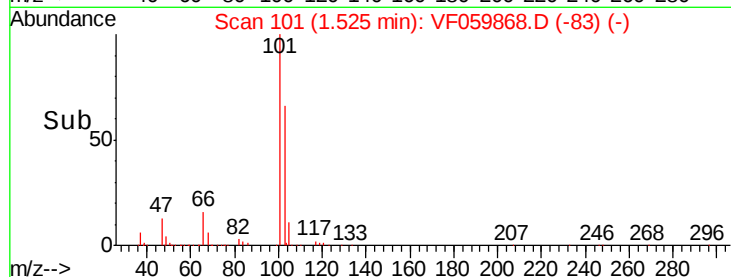
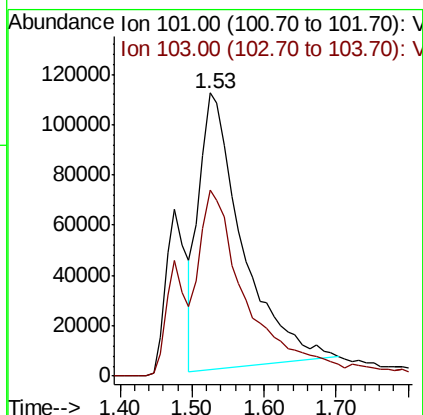
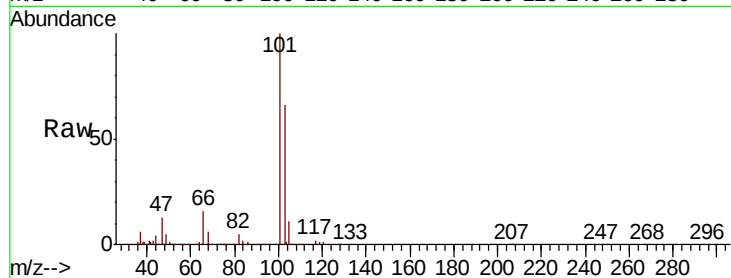


#7

Trichlorofluoromethane
 Concen: 106.897 ug/l
 RT: 1.53 min Scan# 101
 Delta R.T. -0.02 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Instrument :
 MSVOA_F
 ClientSampleId :

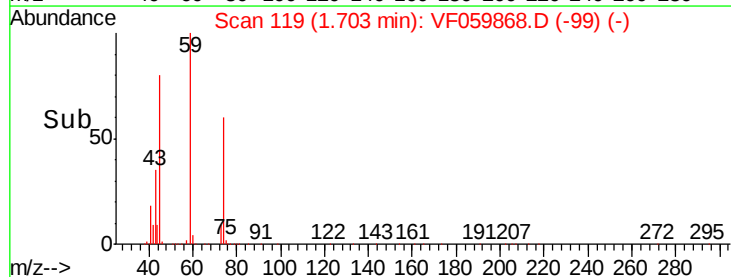
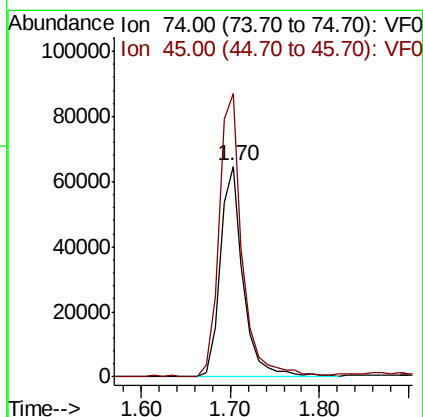
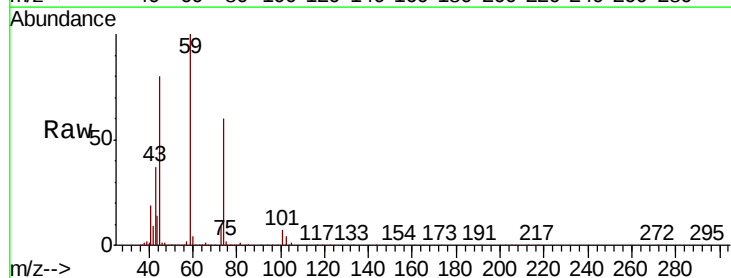
Tot Ion:101 Resp: 457335
 Ion Ratio Lower Upper
 101 100
 103 65.8 53.6 80.4

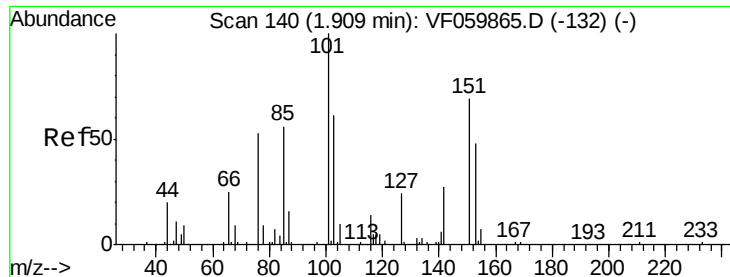


#8

Diethyl Ether
 Concen: 163.070 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Tgt Ion: 74 Resp: 116417
 Ion Ratio Lower Upper
 74 100
 45 134.4 73.6 220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 149.949 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

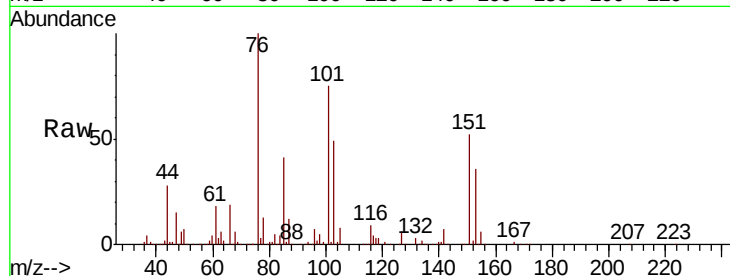
Tot Ion:101 Resp: 335663

Ion Ratio Lower Upper

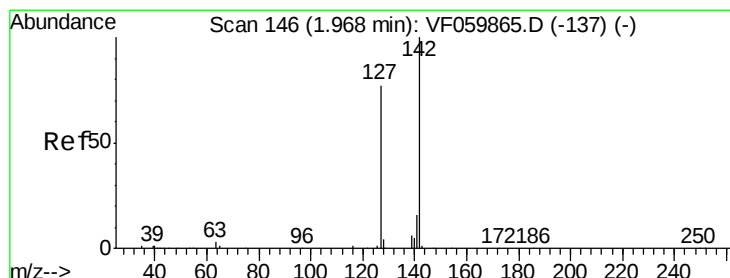
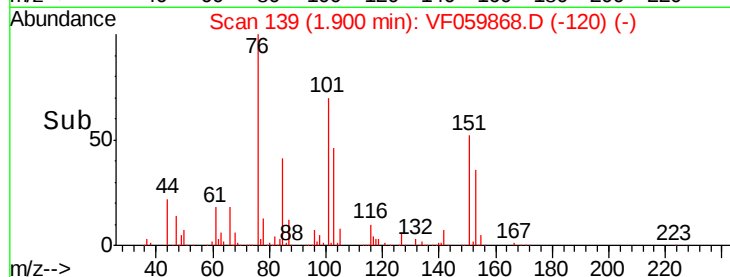
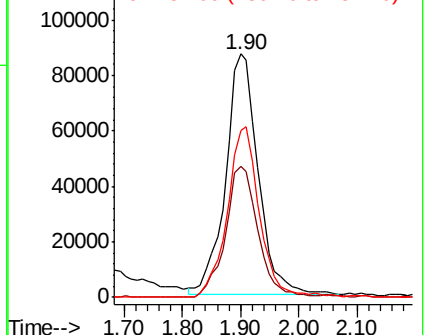
101 100

85 53.9 44.5 66.7

151 68.7 53.8 80.8



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 164.205 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

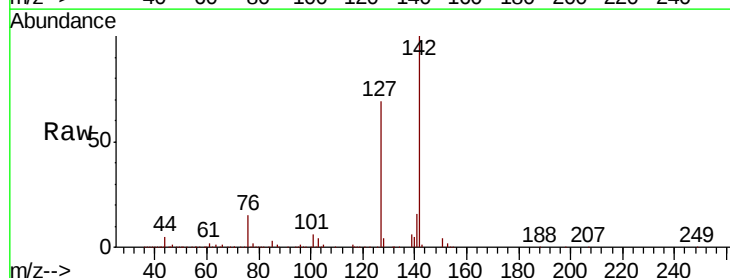
Tgt Ion:142 Resp: 583804

Ion Ratio Lower Upper

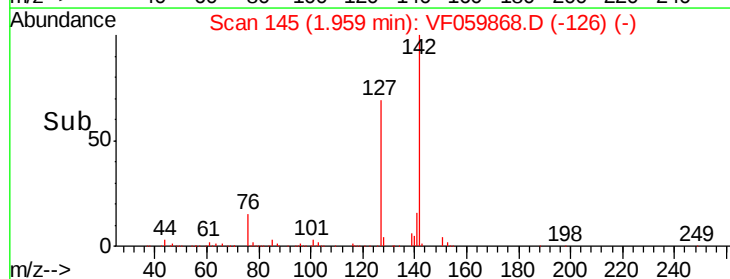
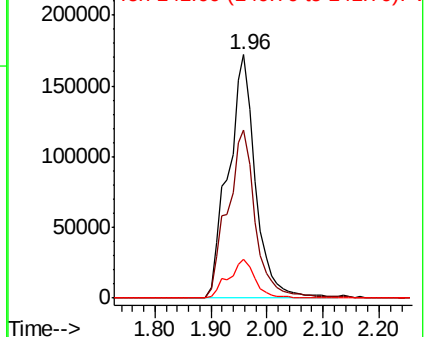
142 100

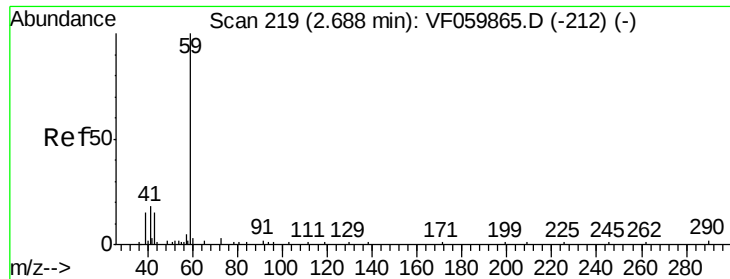
127 69.1 61.5 92.3

141 15.8 13.0 19.4



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V



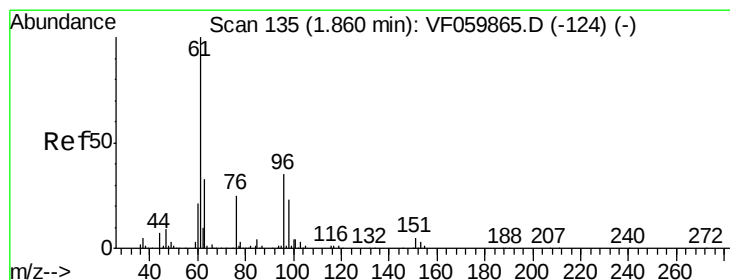
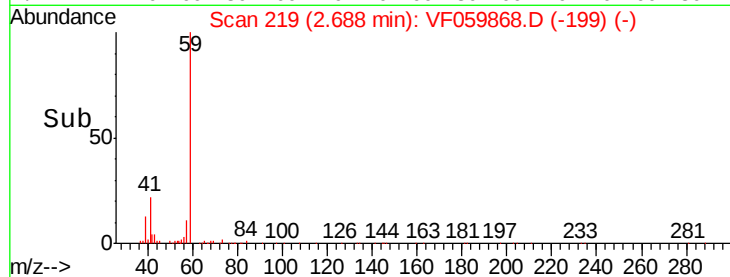
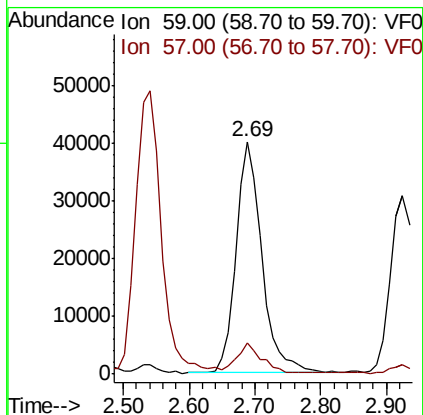
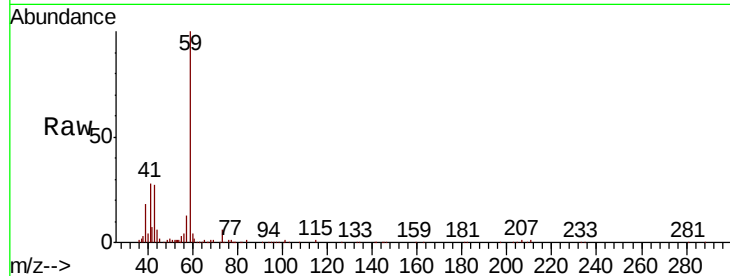


#11

Tert butyl alcohol
 Concen: 629.548 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Instrument :
 MSVOA_F
 ClientSampleId :

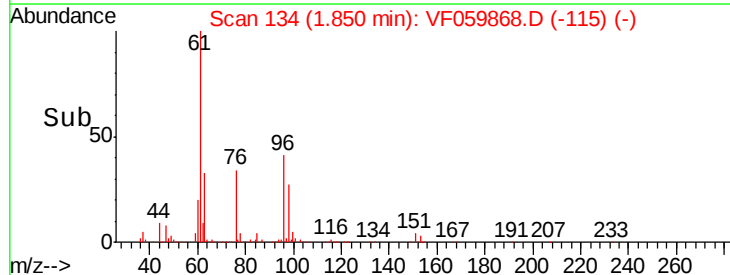
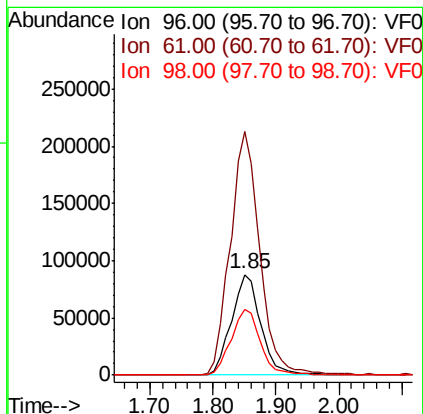
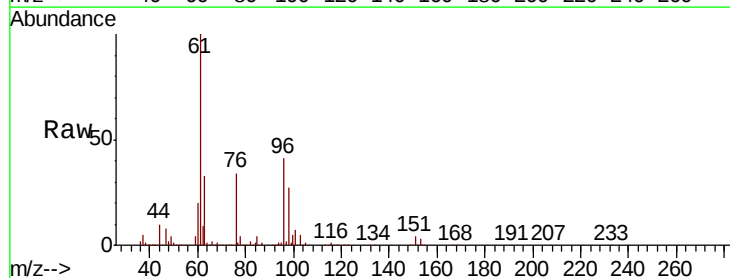
Tot Ion: 59 Resp: 110302
 Ion Ratio Lower Upper
 59 100
 57 13.5 7.6 11.4#

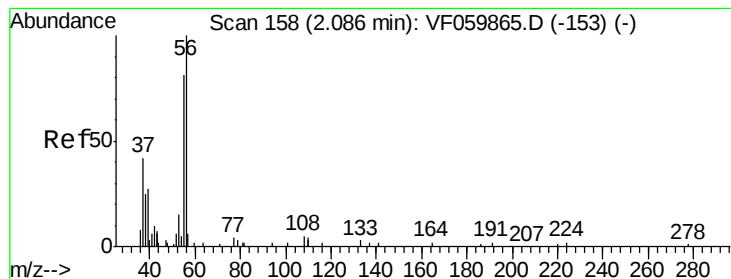


#12

1,1-Dichloroethene
 Concen: 158.577 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. -0.01 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Tgt Ion: 96 Resp: 282241
 Ion Ratio Lower Upper
 96 100
 61 242.1 230.2 345.2
 98 65.7 52.7 79.1





#13

Acrolein

Concen: 924.316 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

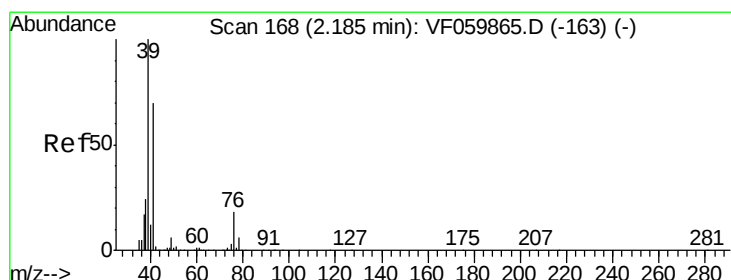
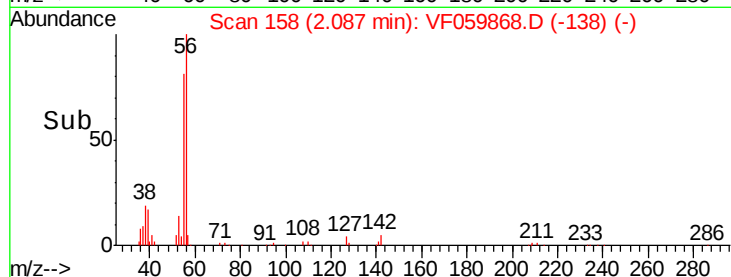
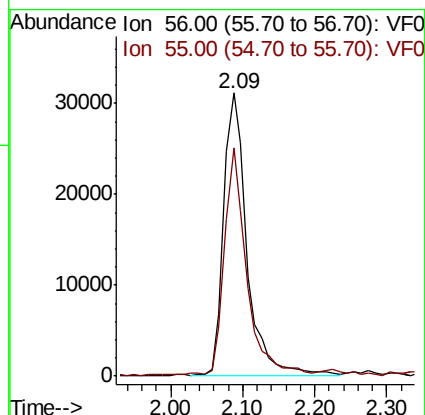
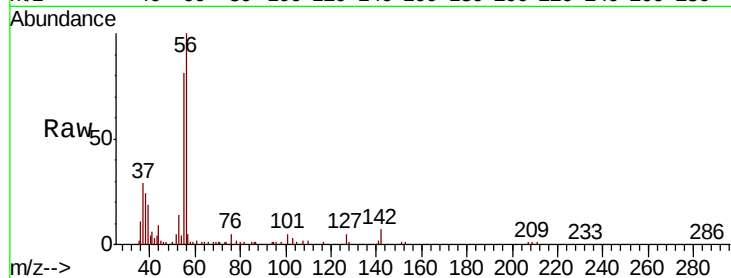
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 70313

Ion Ratio Lower Upper

56 100

55 80.8 64.6 96.8



#14

Allyl chloride

Concen: 157.279 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

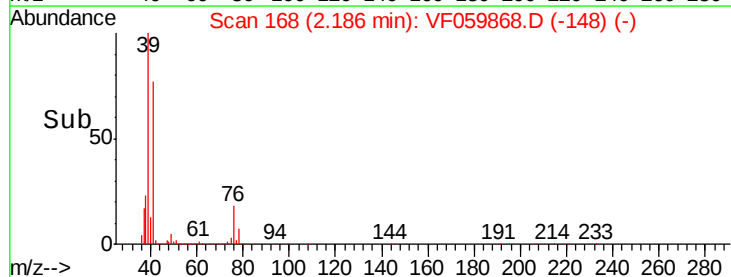
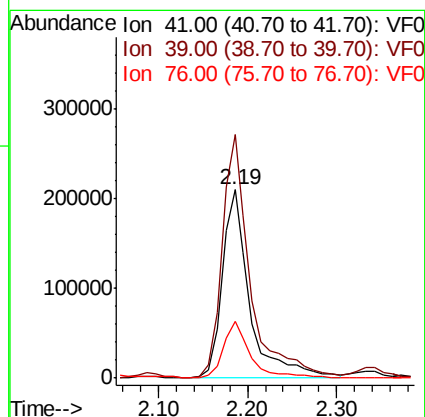
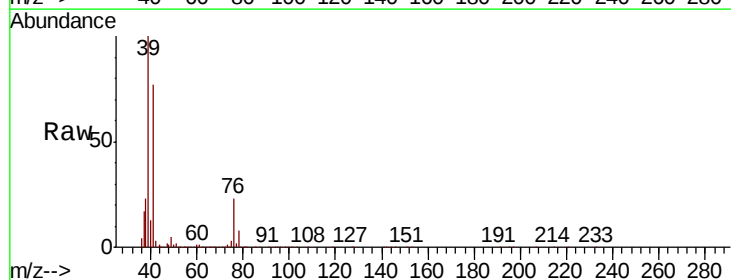
Tgt Ion: 41 Resp: 448727

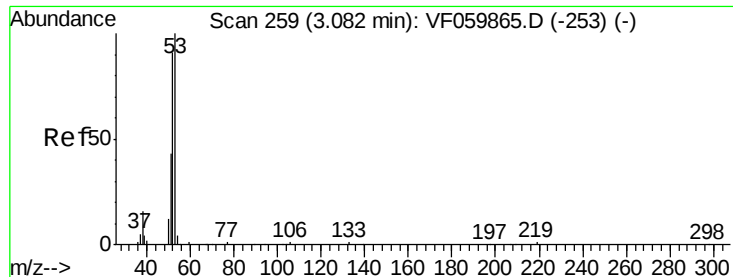
Ion Ratio Lower Upper

41 100

39 129.5 114.6 171.8

76 30.0 21.0 31.4





#15

Acrylonitrile

Concen: 715.994 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampled :

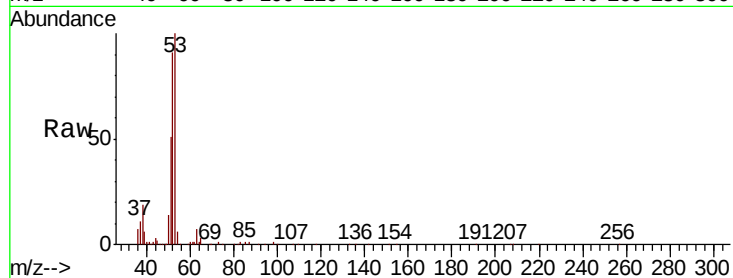
Tot Ion: 53 Resp: 207697

Ion Ratio Lower Upper

53 100

52 91.1 72.9 109.3

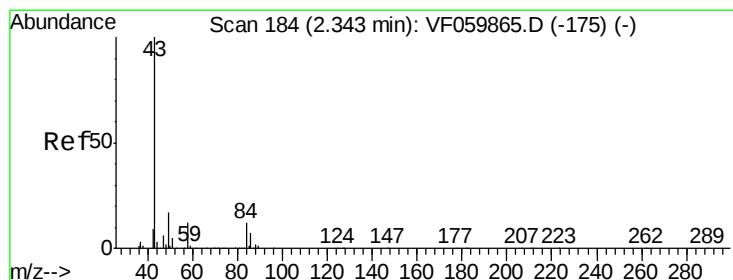
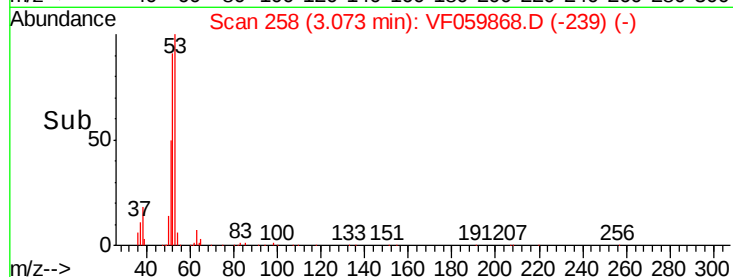
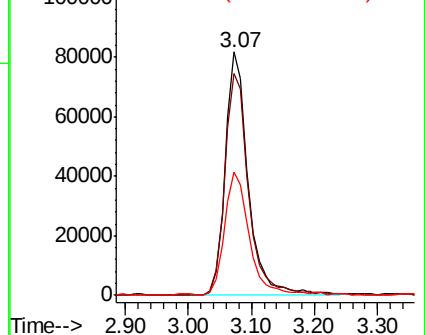
51 50.6 34.5 51.7



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 648.025 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF059868.D

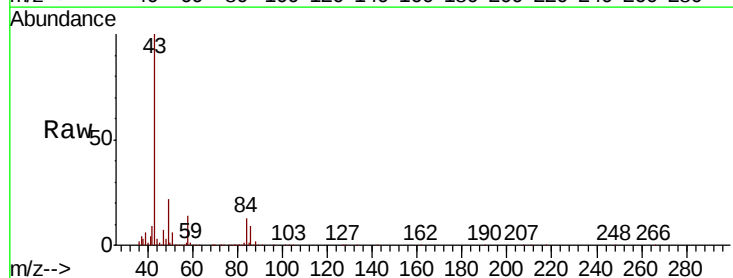
Acq: 4 Aug 2018 6:07

Tgt Ion: 43 Resp: 465655

Ion Ratio Lower Upper

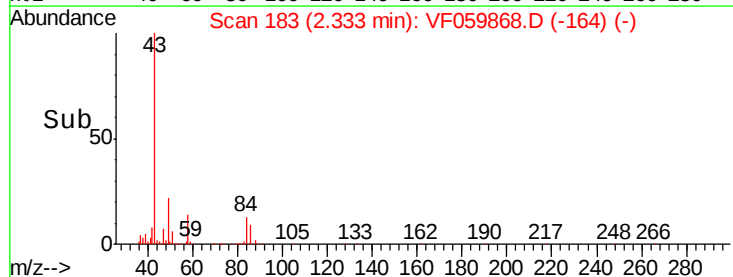
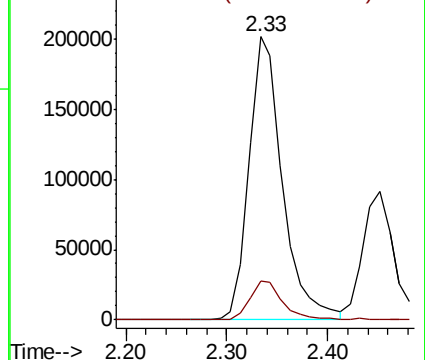
43 100

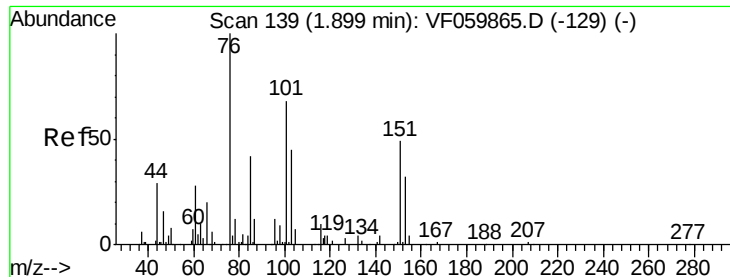
58 13.9 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

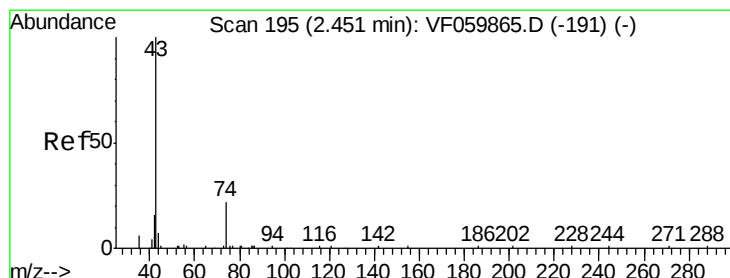
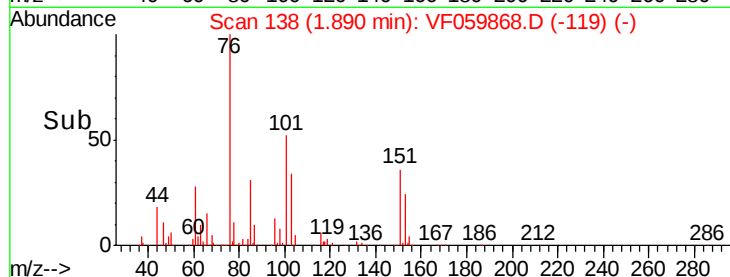
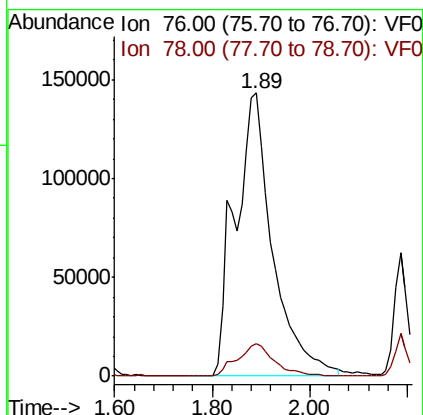
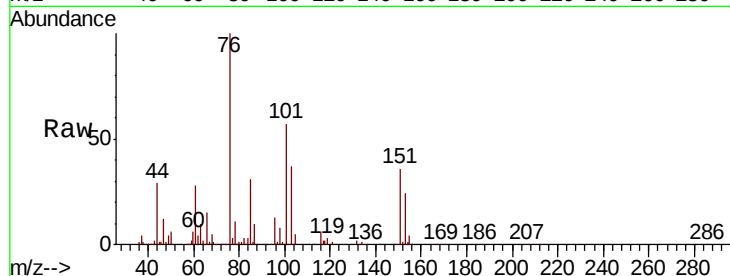




#17
Carbon Disulfide
Concen: 173.332 ug/l
RT: 1.89 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

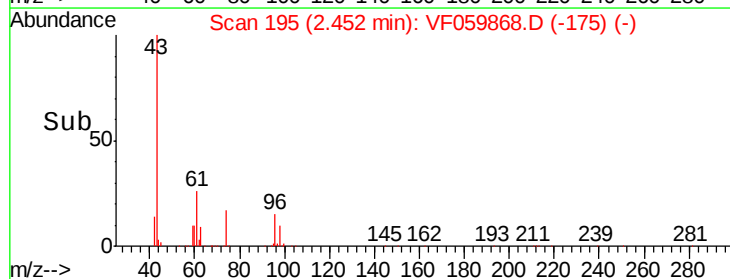
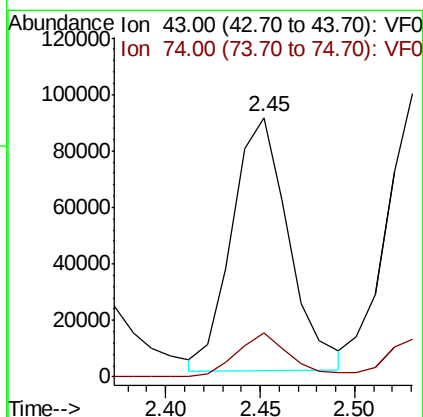
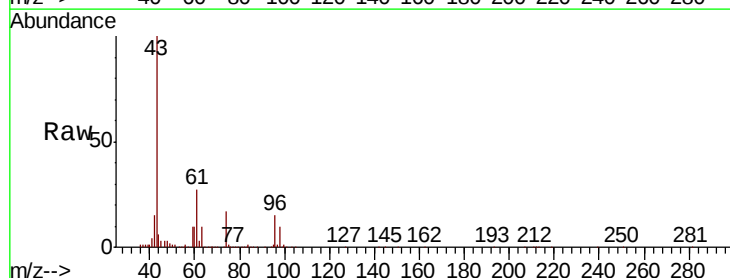
Instrument :
MSVOA_F
ClientSampleId :

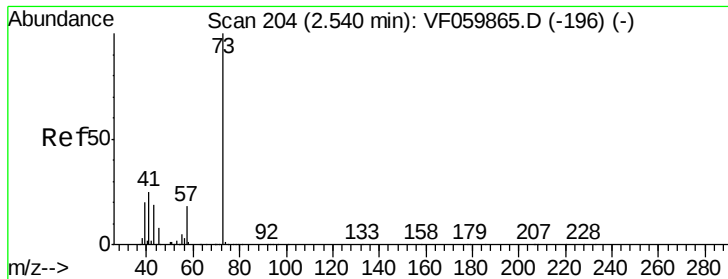
Tot Ion: 76 Resp: 767982
Ion Ratio Lower Upper
76 100
78 11.5 9.3 13.9



#18
Methyl Acetate
Concen: 139.015 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion: 43 Resp: 186546
Ion Ratio Lower Upper
43 100
74 16.8 16.3 24.5

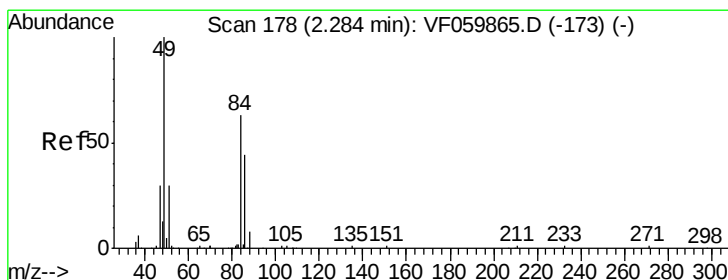
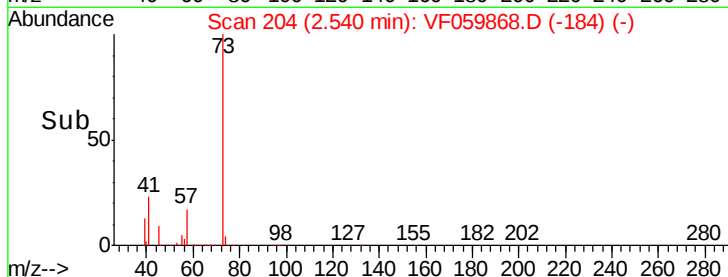
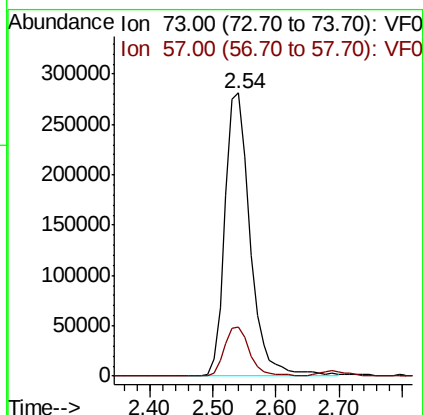
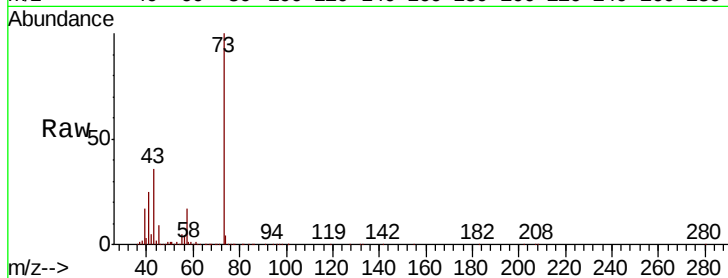




#19
Methvl tert-butvl Ether
Concen: 148.005 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

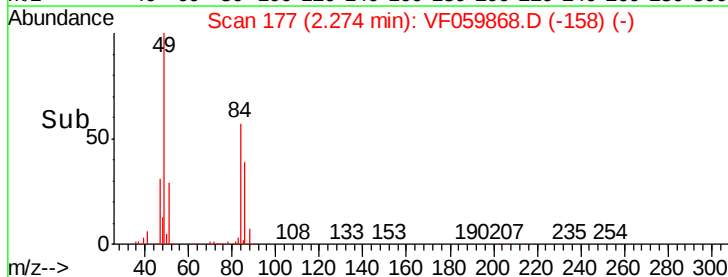
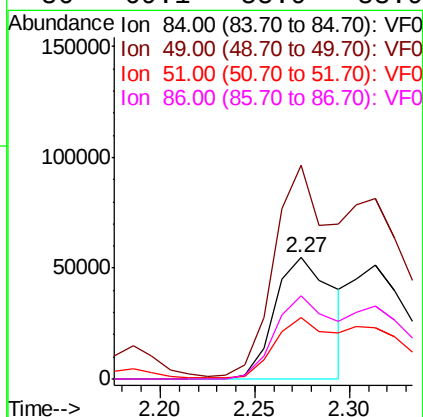
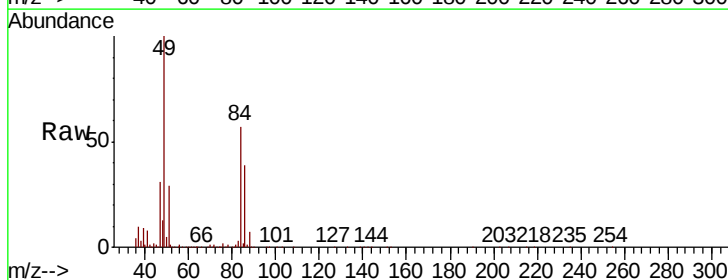
Instrument :
MSVOA_F
ClientSampleId :

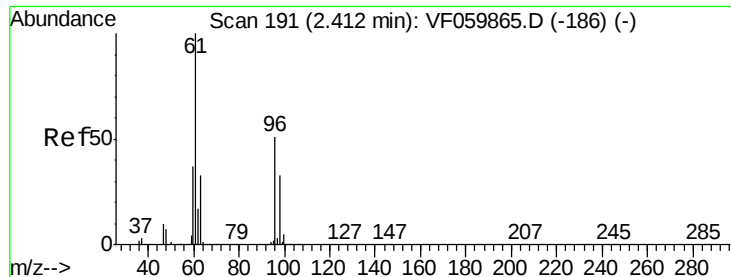
Tot Ion: 73 Resp: 781593
Ion Ratio Lower Upper
73 100
57 17.4 14.3 21.5



#20
Methylene Chloride
Concen: 57.761 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion: 84 Resp: 118839
Ion Ratio Lower Upper
84 100
49 176.0 128.7 193.1
51 50.7 39.3 58.9
86 69.1 55.9 83.9





#21

trans-1,2-Dichloroethene

Concen: 156.789 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :
MSVOA_F
ClientSampleId :

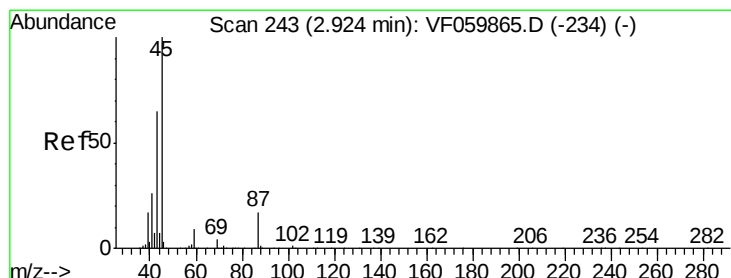
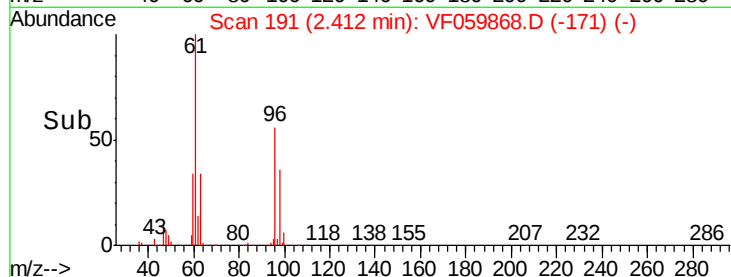
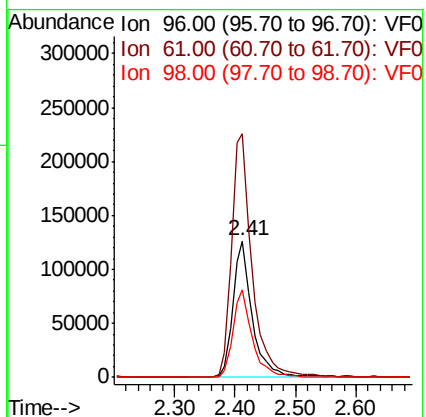
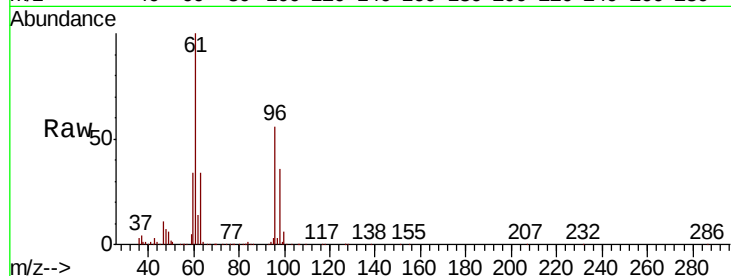
Tot Ion: 96 Resp: 279514

Ion Ratio Lower Upper

96 100

61 178.9 158.2 237.4

98 64.6 52.0 78.0



#22

Diisopropyl ether

Concen: 155.502 ug/l

RT: 2.92 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tgt Ion: 45 Resp: 920371

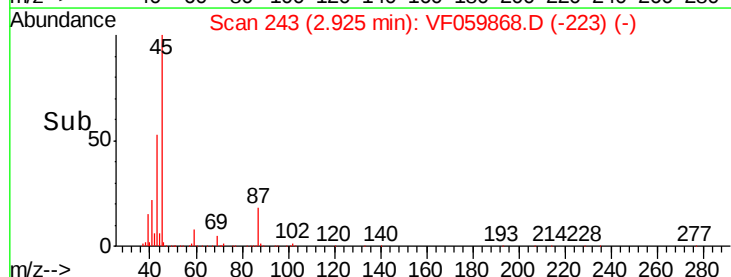
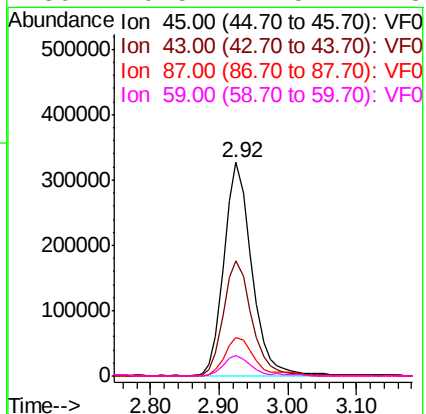
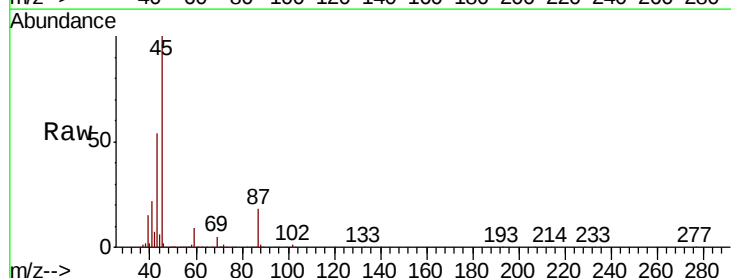
Ion Ratio Lower Upper

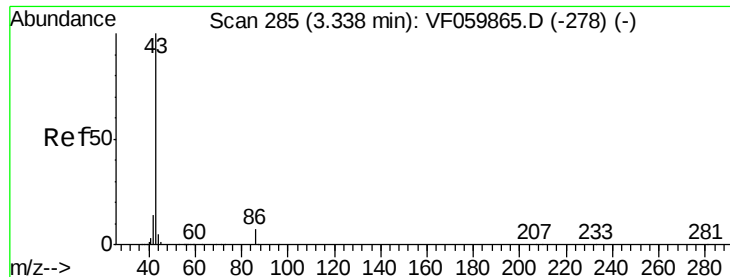
45 100

43 53.7 52.1 78.1

87 18.3 13.8 20.8

59 9.5 7.5 11.3





#23

Vinyl Acetate

Concen: 716.746 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

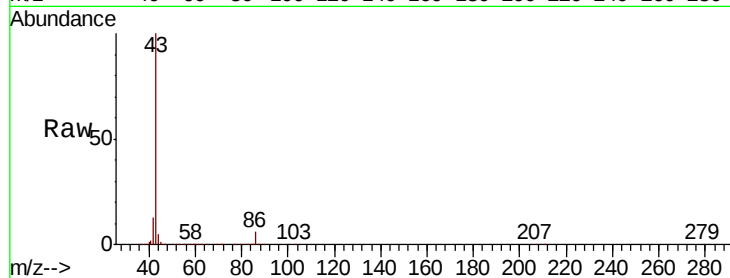
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 2154377

Ion Ratio Lower Upper

43 100

86 6.4 5.6 8.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

800000

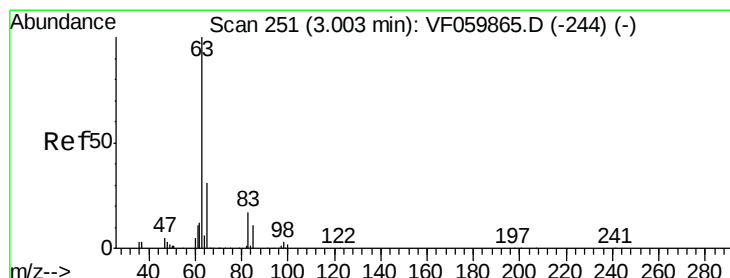
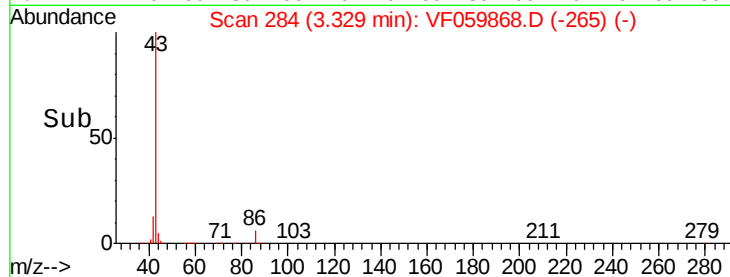
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 146.446 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

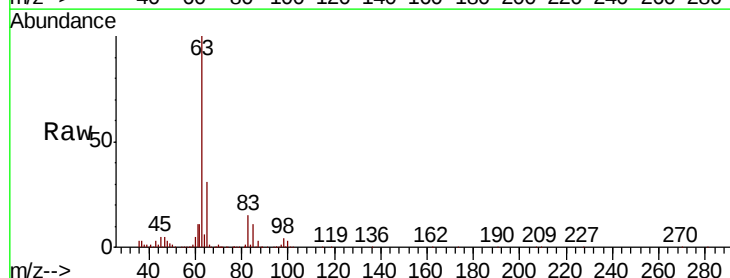
Tgt Ion: 63 Resp: 607592

Ion Ratio Lower Upper

63 100

98 3.8 1.9 5.7

100 2.5 1.1 3.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

300000

250000

200000

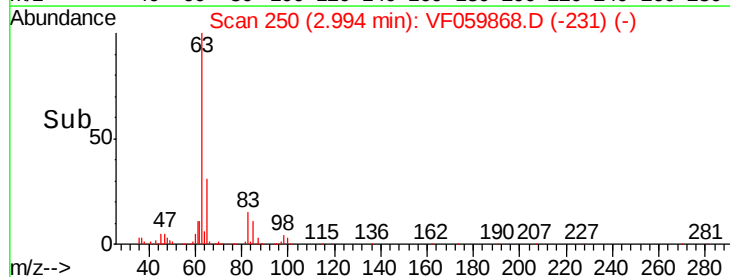
150000

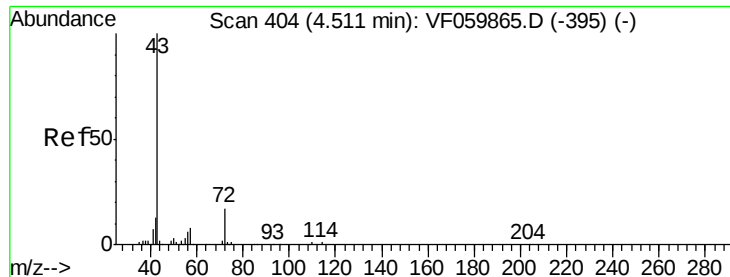
100000

50000

0

Time-->





#25

2-Butanone

Concen: 762.167 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

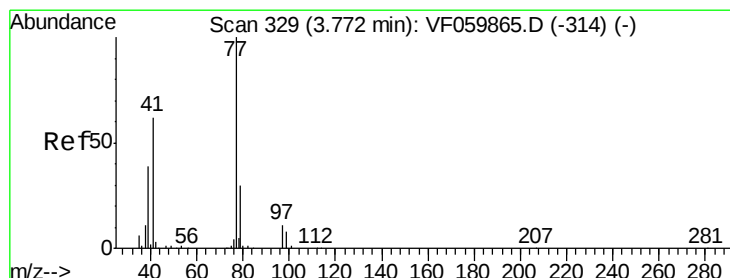
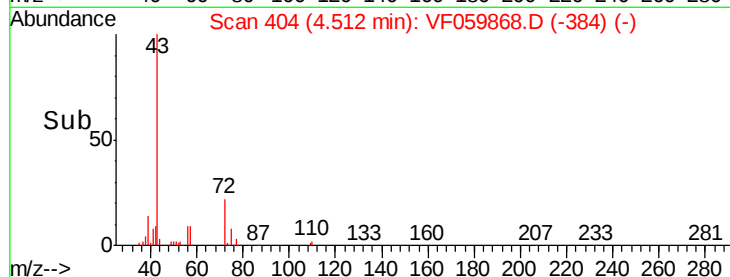
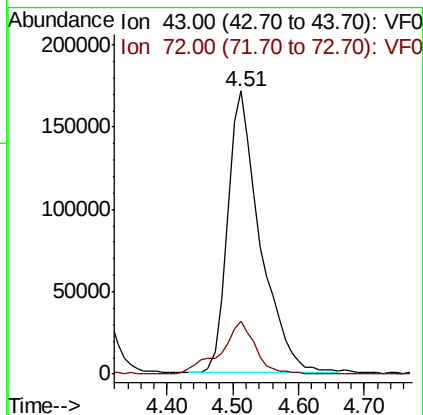
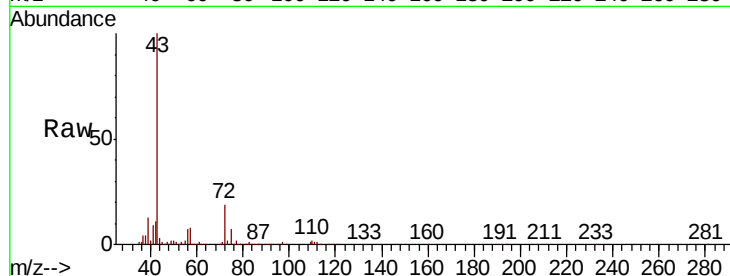
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 589960

Ion Ratio Lower Upper

43 100

72 18.6 13.9 20.9



#26

2,2-Dichloropropane

Concen: 120.138 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF059868.D

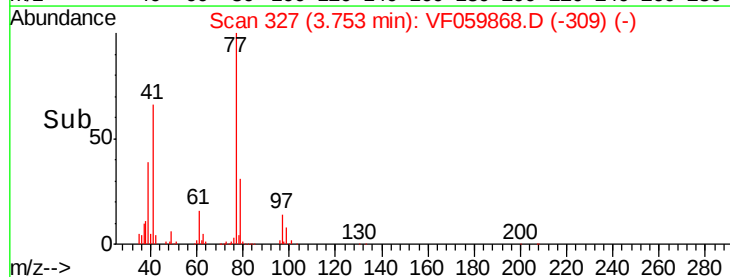
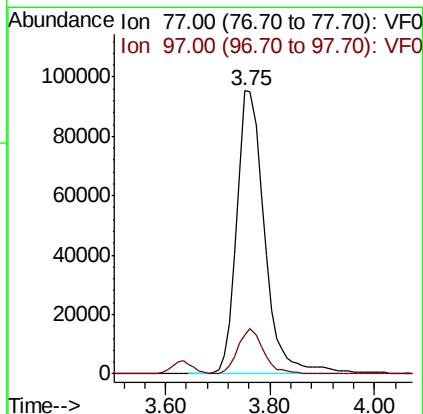
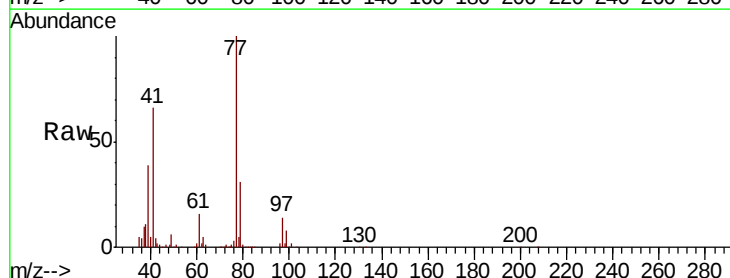
Acq: 4 Aug 2018 6:07

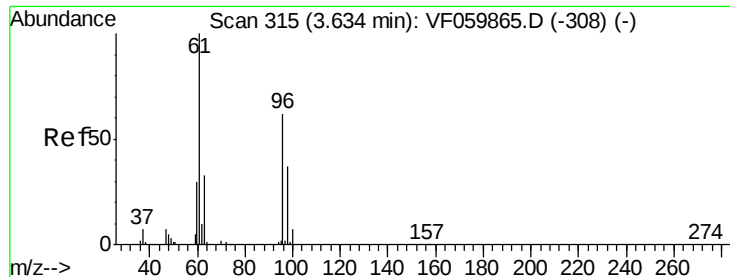
Tgt Ion: 77 Resp: 343157

Ion Ratio Lower Upper

77 100

97 13.7 6.8 20.3



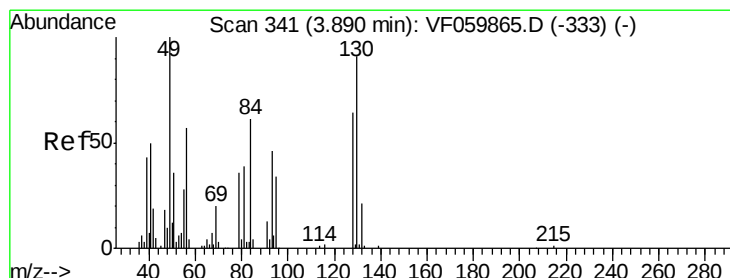
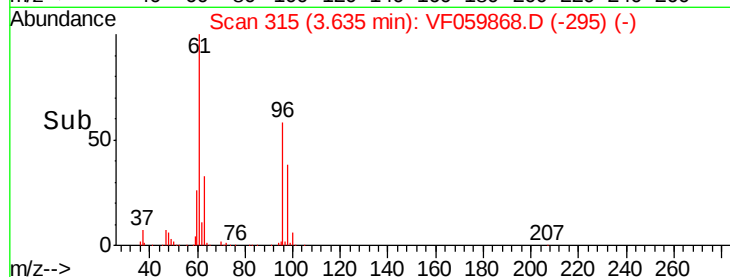
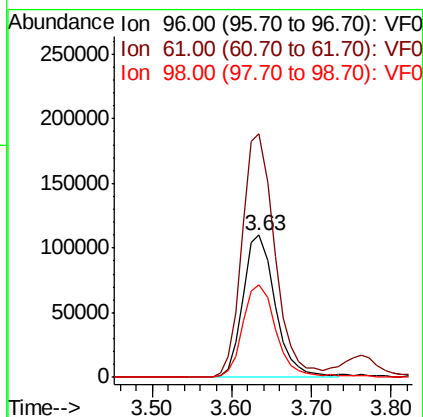
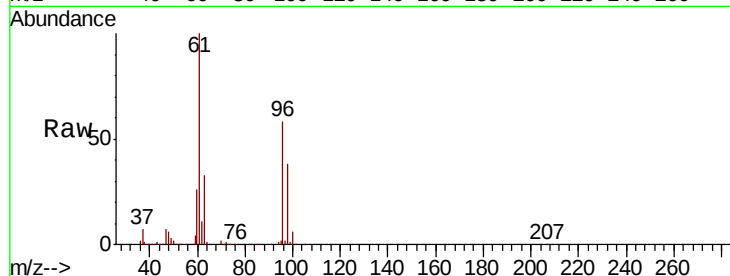


#27

cis-1,2-Dichloroethene
Concen: 141.405 ug/l
RT: 3.63 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Instrument :
MSVOA_F
ClientSampled :

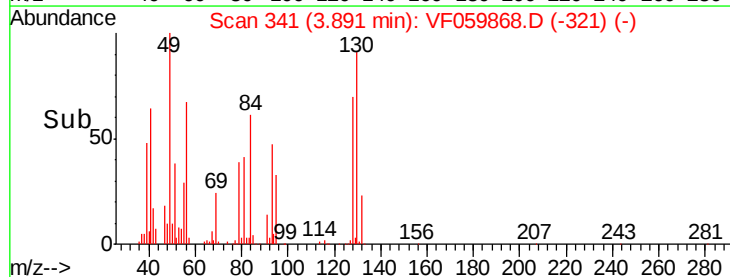
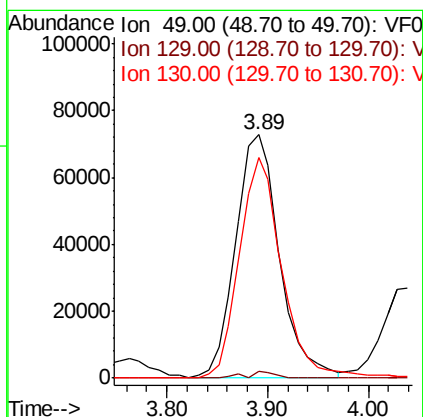
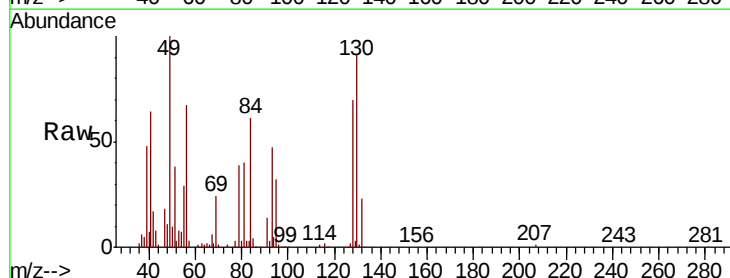
Tot Ion	96	Resp	309134
Ion	Ratio	Lower	Upper
96	100		
61	171.2	0.0	320.8
98	65.5	0.0	117.6

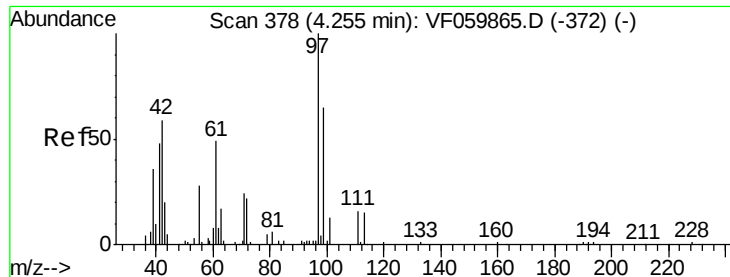


#28

Bromochloromethane
Concen: 135.247 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion	49	Resp	217785
Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.6
130	90.7	73.8	110.8





#29

Tetrahydrofuran

Concen: 676.131 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

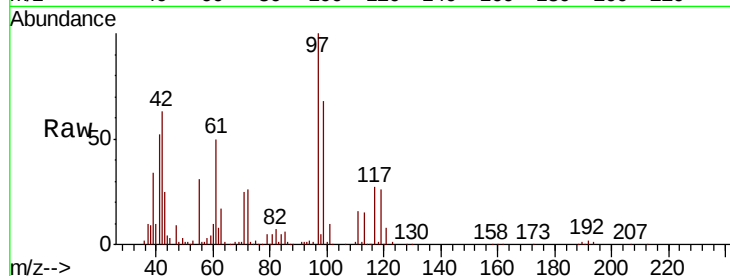
Tot Ion: 42 Resp: 206693

Ion Ratio Lower Upper

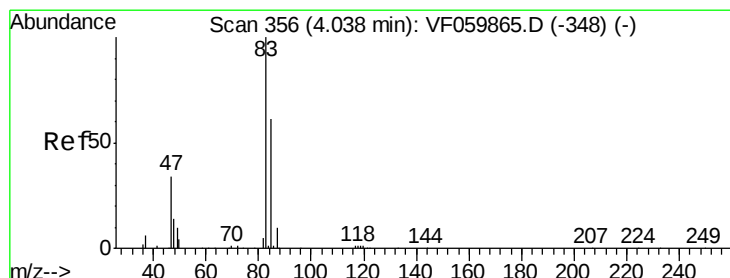
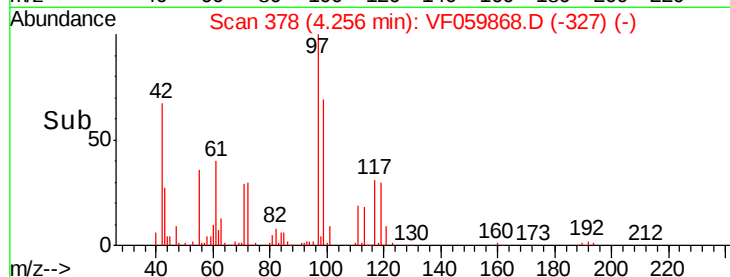
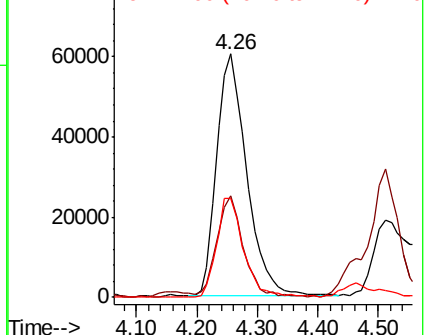
42 100

72 37.5 29.3 43.9

71 37.5 30.0 45.0



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 136.989 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.00 min

Lab File: VF059868.D

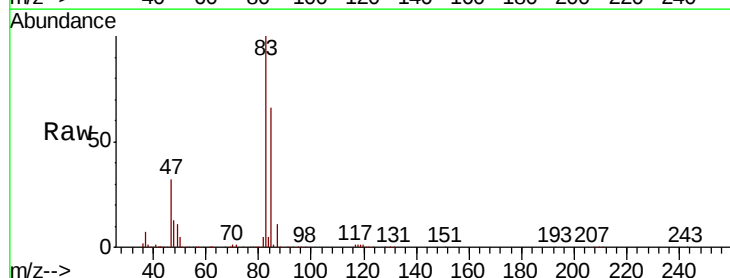
Acq: 4 Aug 2018 6:07

Tgt Ion: 83 Resp: 792767

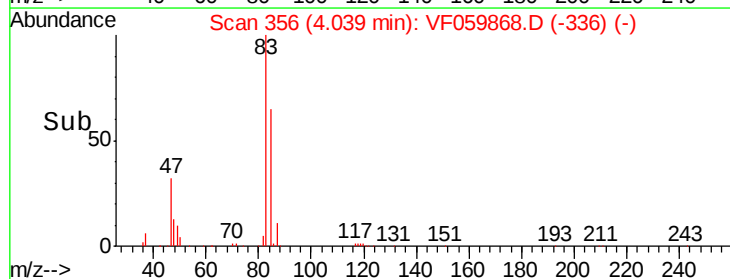
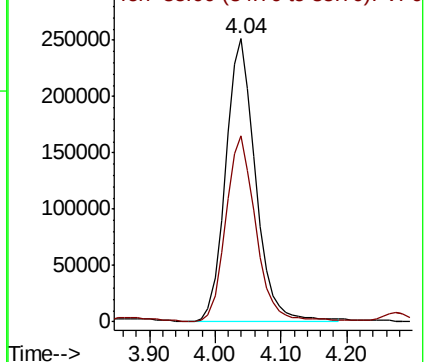
Ion Ratio Lower Upper

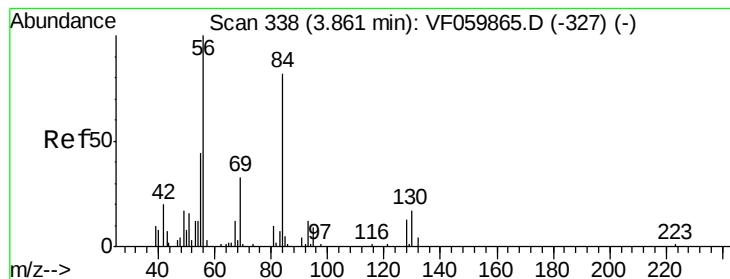
83 100

85 65.5 49.3 73.9



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 150.824 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

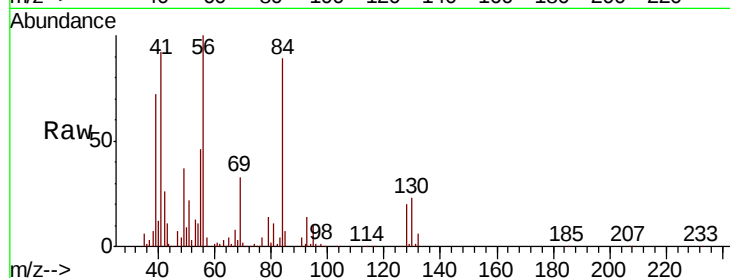
Tot Ion: 56 Resp: 339316

Ion Ratio Lower Upper

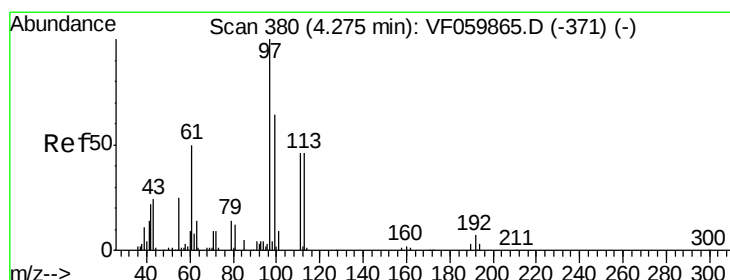
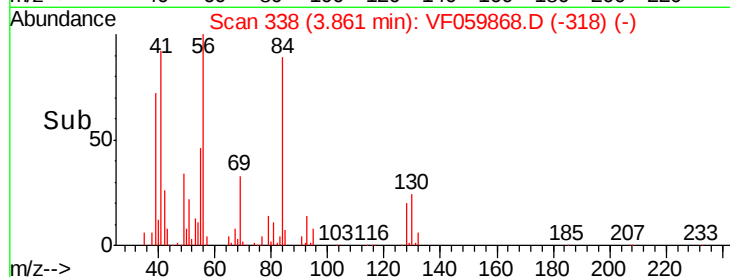
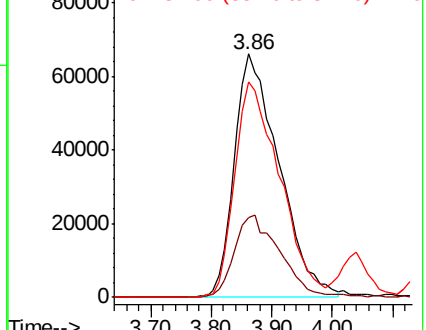
56 100

69 32.6 26.7 40.1

84 88.6 65.9 98.9



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 138.267 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

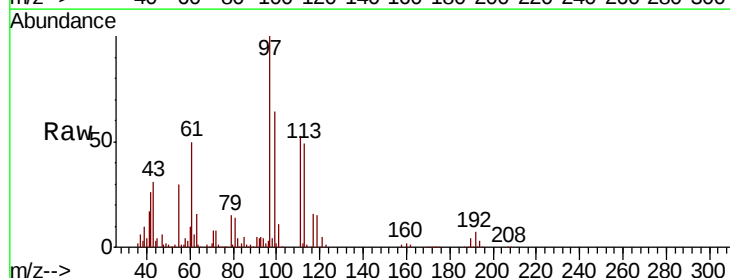
Tgt Ion: 97 Resp: 627284

Ion Ratio Lower Upper

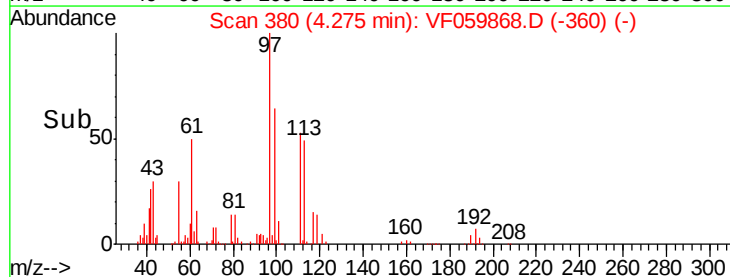
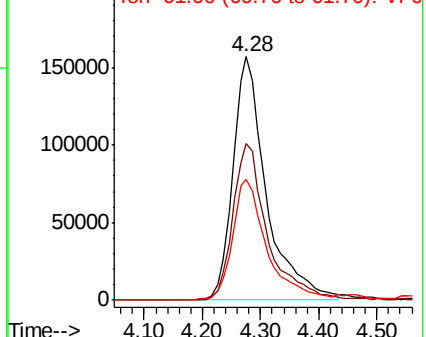
97 100

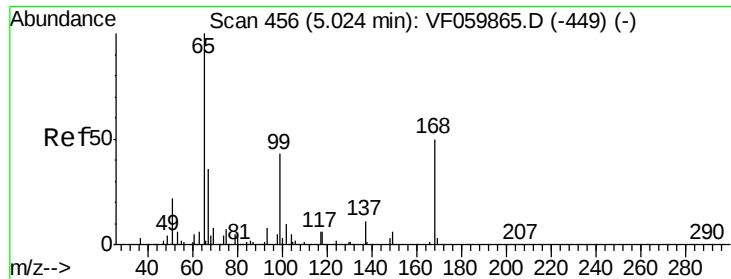
99 64.4 51.4 77.2

61 49.8 40.8 61.2



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

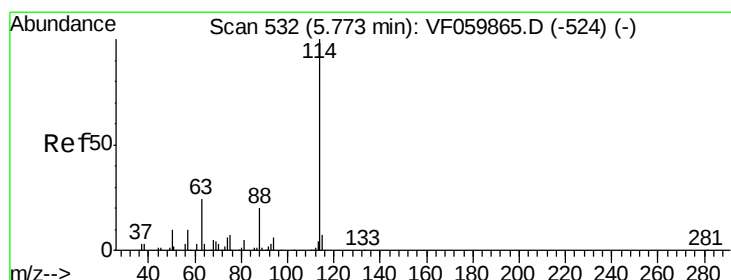
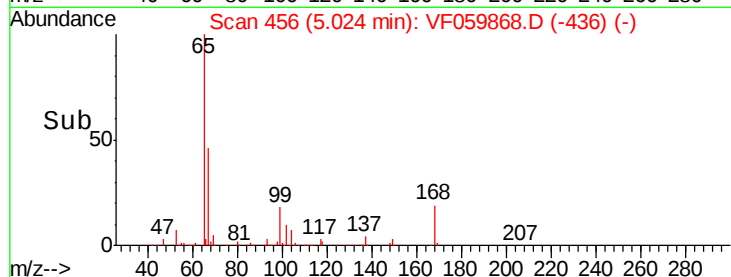
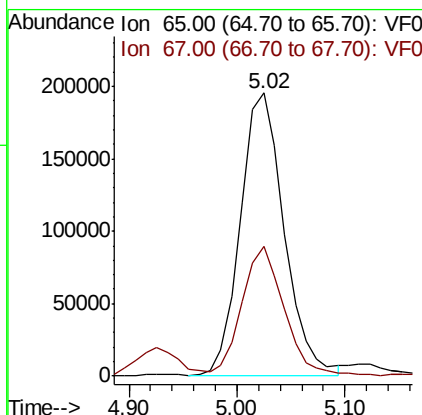
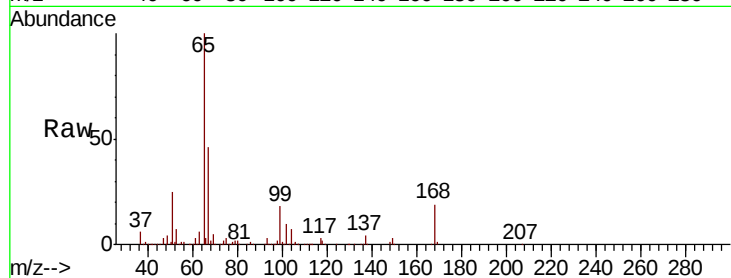




#33
 1,2-Dichloroethane-d4
 Concen: 136.899 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

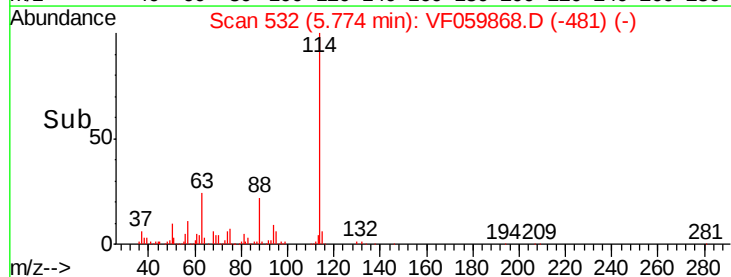
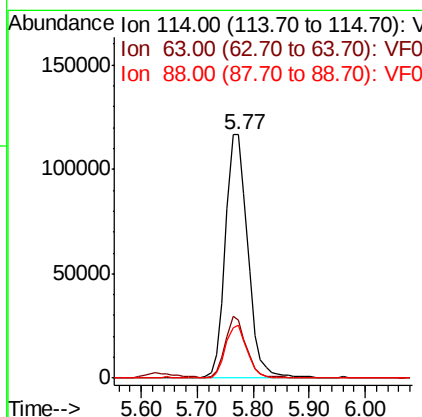
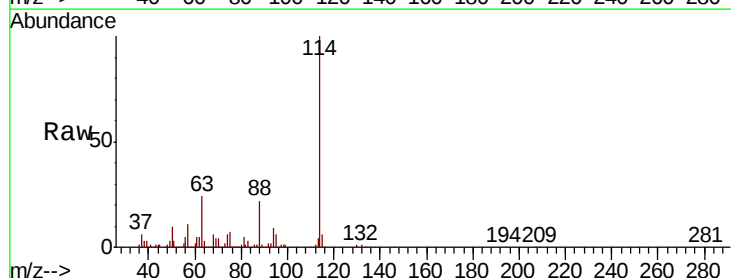
Instrument :
 MSVOA_F
 ClientSampled :

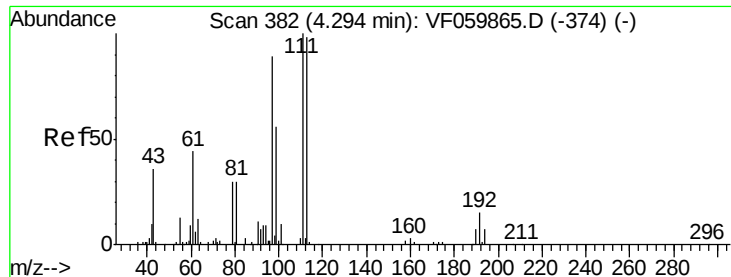
Tot Ion: 65 Resp: 548221
 Ion Ratio Lower Upper
 65 100
 67 45.8 0.0 77.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Tgt Ion: 114 Resp: 325888
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 48.0
 88 22.0 0.0 39.4





#35

Dibromofluoromethane

Concen: 125.786 ug/l

RT: 4.29 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :
MSVOA_F
ClientSampleId :

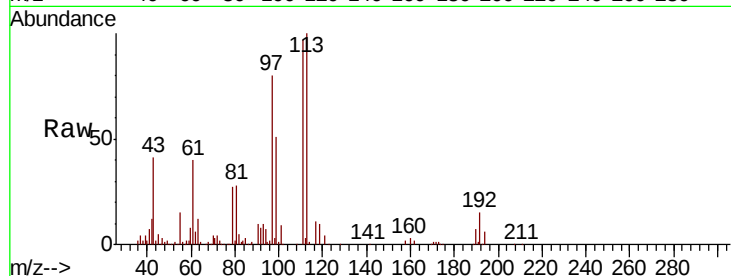
Tot Ion:113 Resp: 428792

Ion	Ratio	Lower	Upper
113	100		
111	97.3	81.8	122.8
192	15.0	12.4	18.6

113 100

111 97.3 81.8 122.8

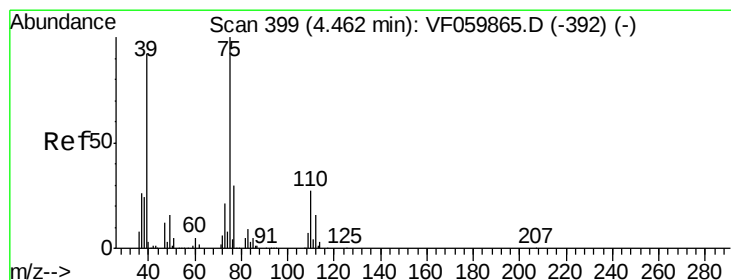
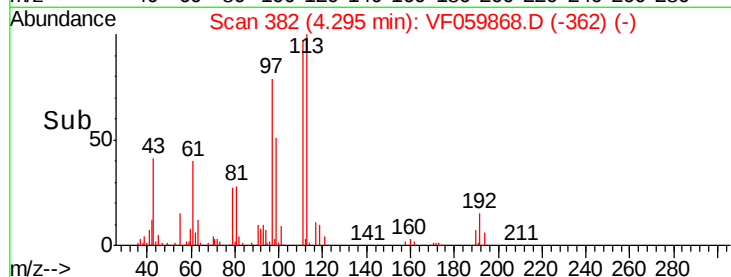
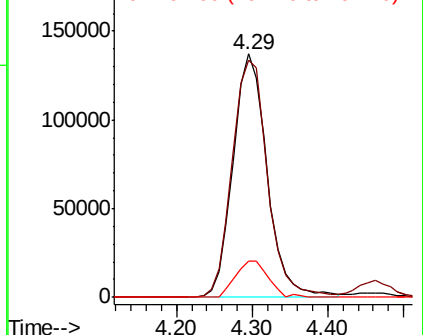
192 15.0 12.4 18.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 133.659 ug/l

RT: 4.46 min Scan# 399

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

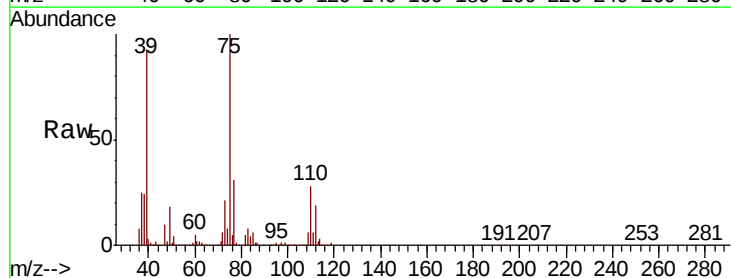
Tgt Ion: 75 Resp: 518229

Ion	Ratio	Lower	Upper
75	100		
110	27.6	13.6	40.7
77	30.9	23.7	35.5

75 100

110 27.6 13.6 40.7

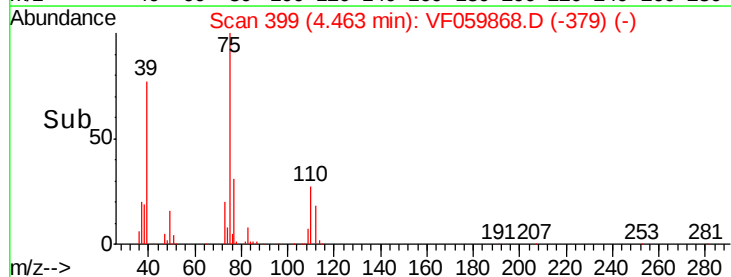
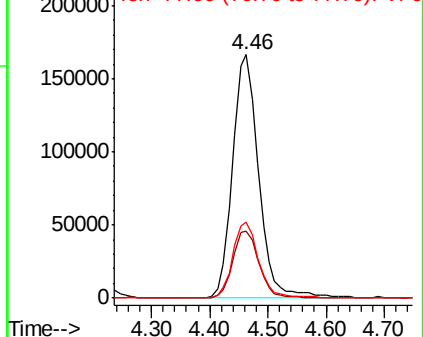
77 30.9 23.7 35.5

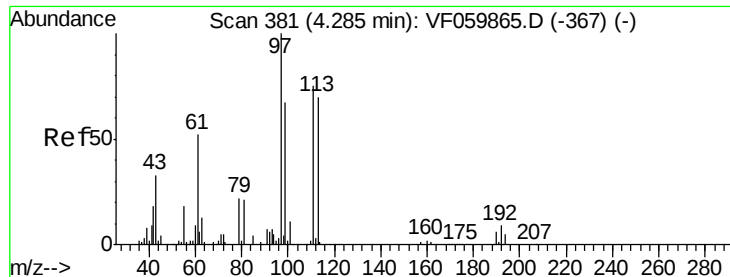


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

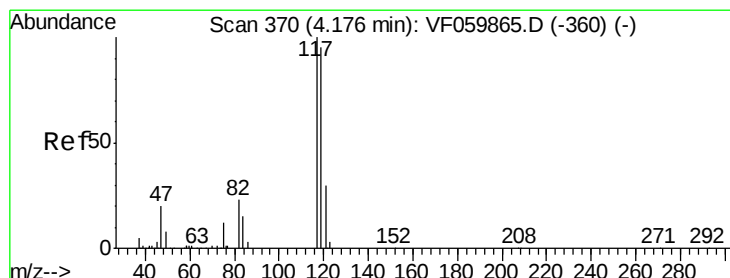
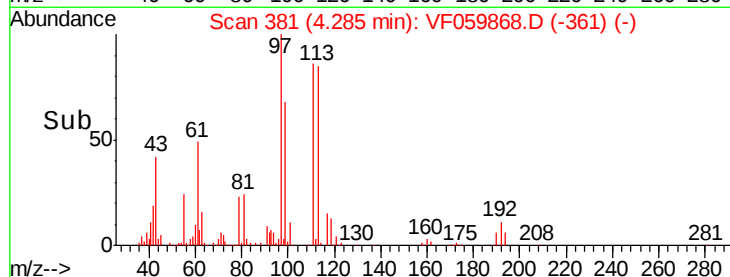
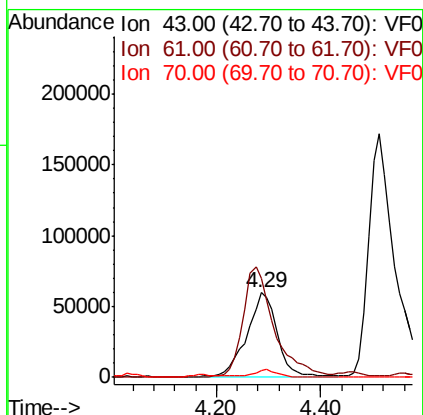
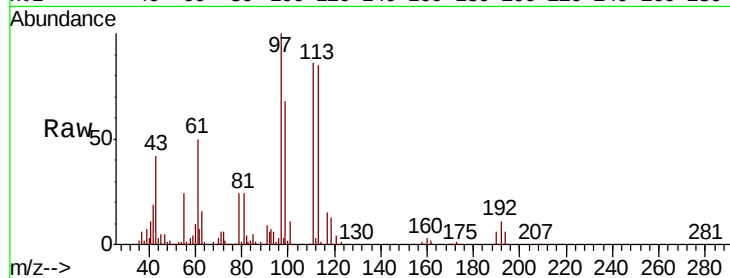




#37
Ethyl Acetate
Concen: 122.752 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

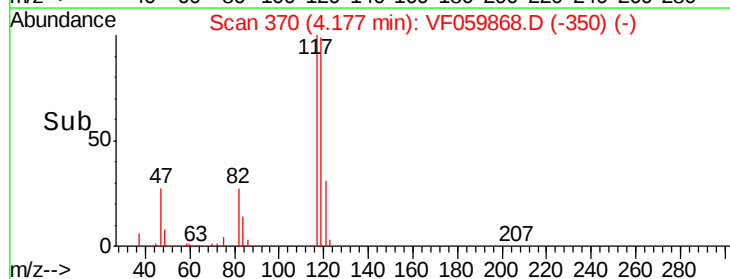
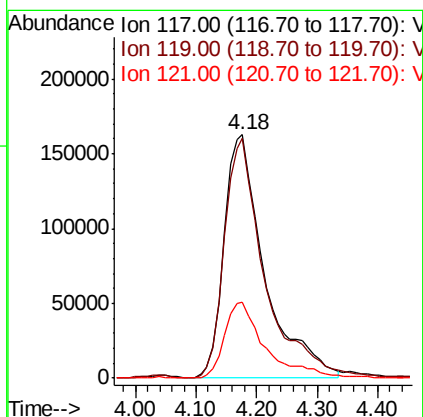
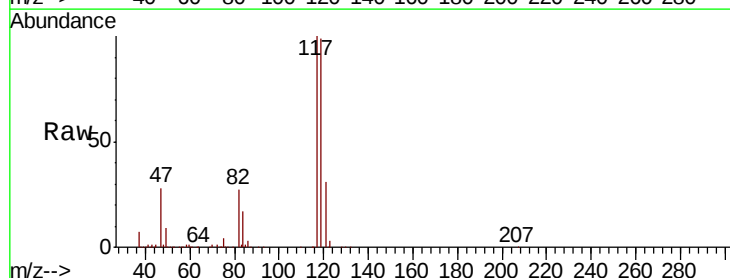
Instrument :
MSVOA_F
ClientSampleId :

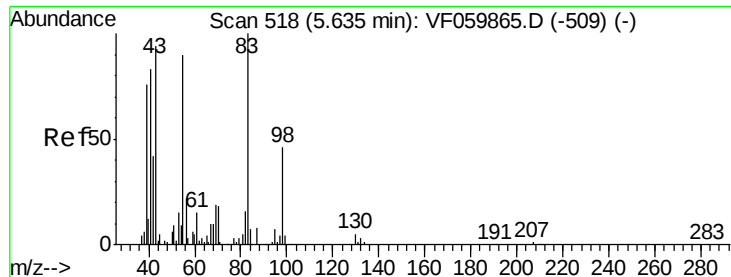
Tot Ion: 43 Resp: 231642
Ion Ratio Lower Upper
43 100
61 117.0 123.7 185.5#
70 7.5 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 142.414 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion: 117 Resp: 757257
Ion Ratio Lower Upper
117 100
119 98.7 76.5 114.7
121 31.4 23.8 35.8

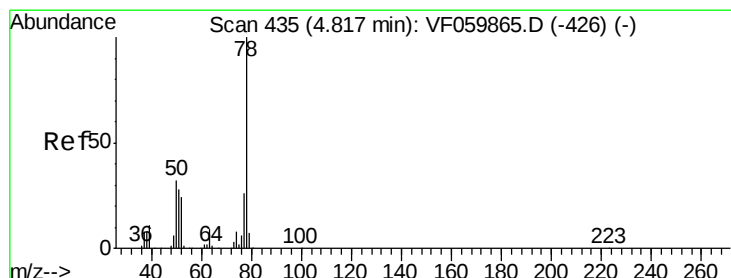
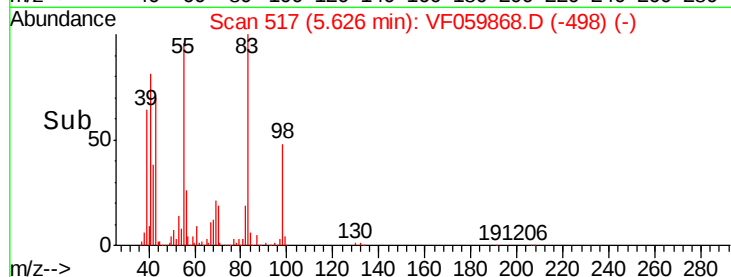
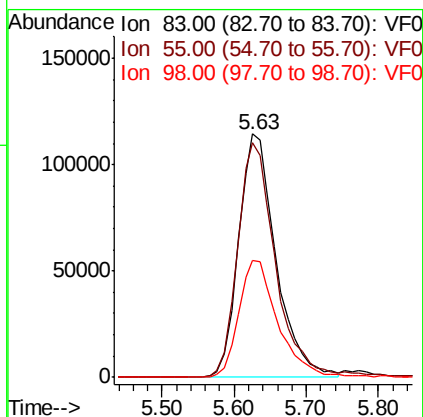
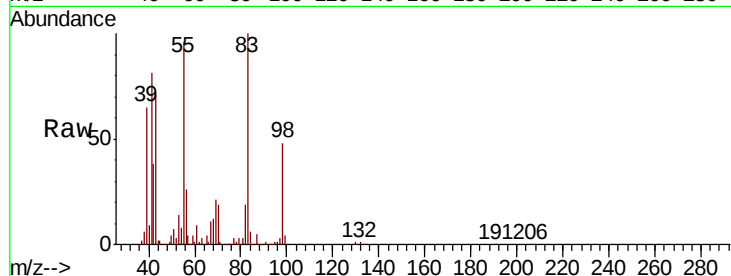




#39
Methvlcvclohexane
Concen: 141.280 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

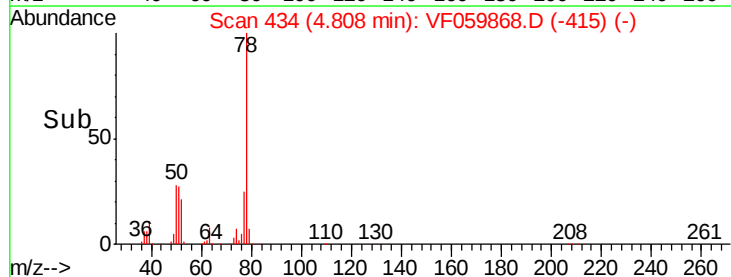
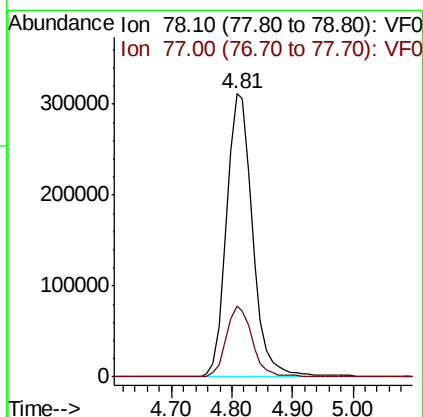
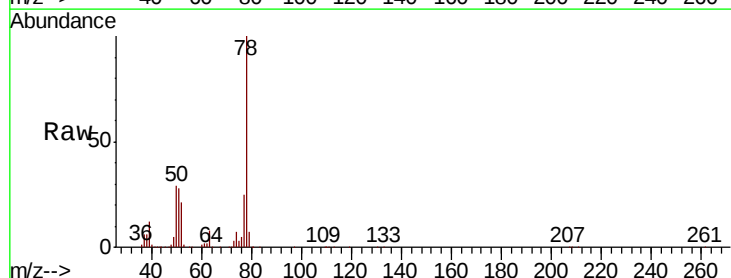
Instrument :
MSVOA_F
ClientSampleId :

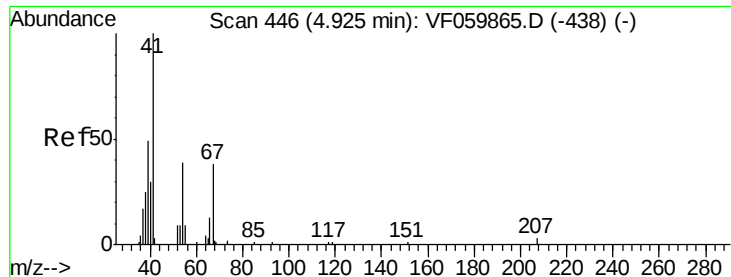
Tot Ion: 83 Resp: 413312
Ion Ratio Lower Upper
83 100
55 96.2 72.0 108.0
98 47.9 36.6 54.8



#40
Benzene
Concen: 139.003 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion: 78 Resp: 935284
Ion Ratio Lower Upper
78 100
77 25.0 20.7 31.1





#41

Methacrylonitrile

Concen: 130.713 ug/l

RT: 4.93 min Scan# 446

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 121192

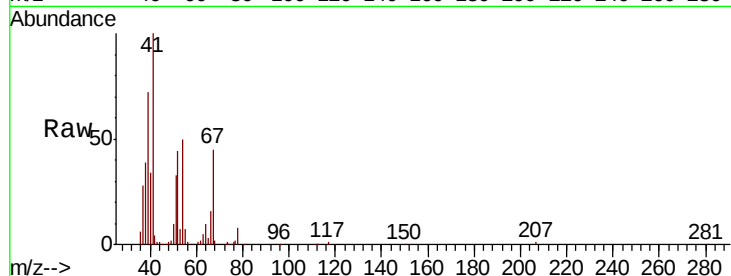
Ion Ratio Lower Upper

41 100

39 72.1 55.1 82.7

67 45.4 30.3 45.5

52 43.8 36.0 54.0

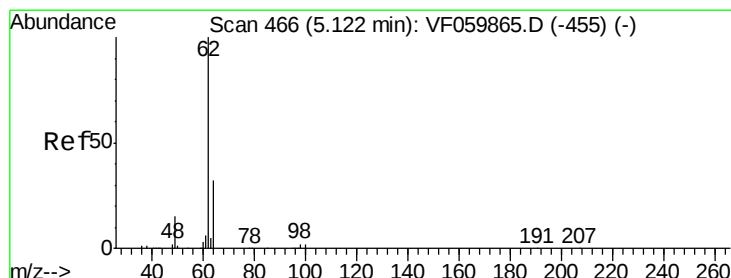
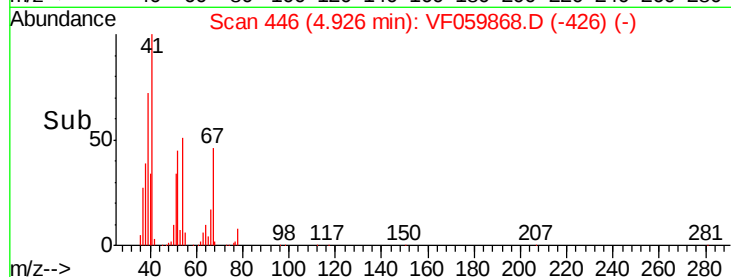
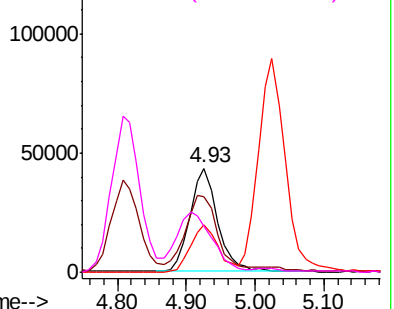


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 141.587 ug/l

RT: 5.12 min Scan# 466

Delta R.T. 0.00 min

Lab File: VF059868.D

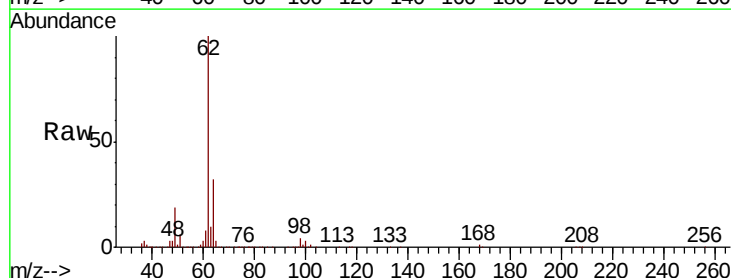
Acq: 4 Aug 2018 6:07

Tgt Ion: 62 Resp: 680333

Ion Ratio Lower Upper

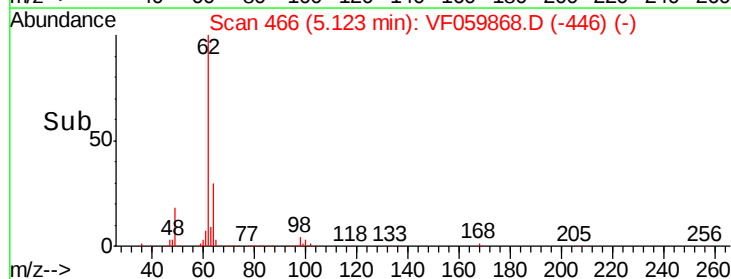
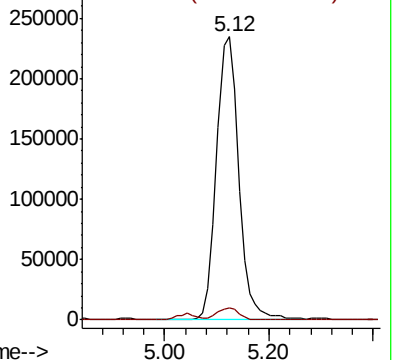
62 100

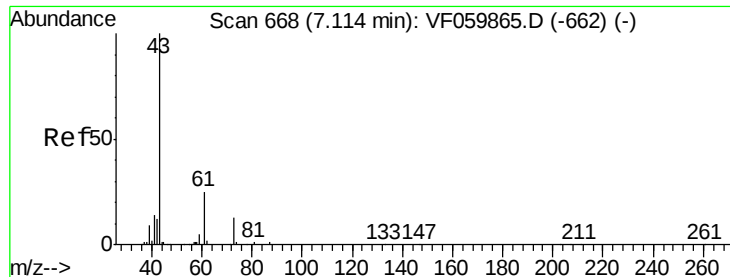
98 4.3 0.0 7.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



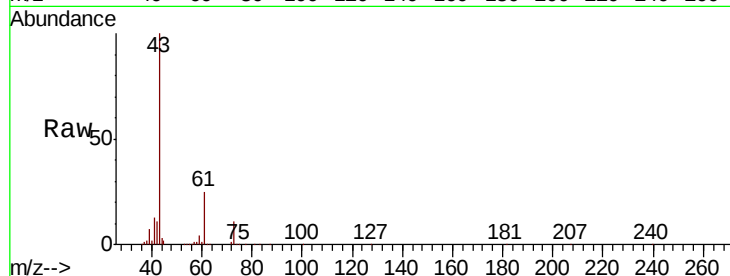


#43

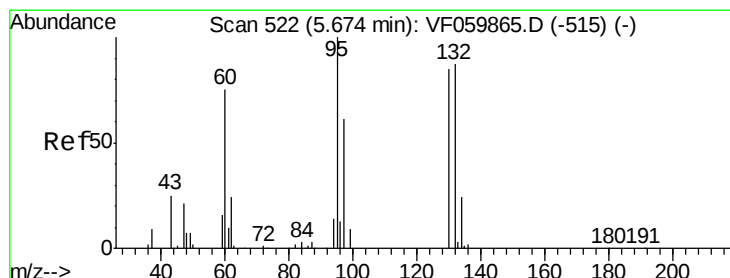
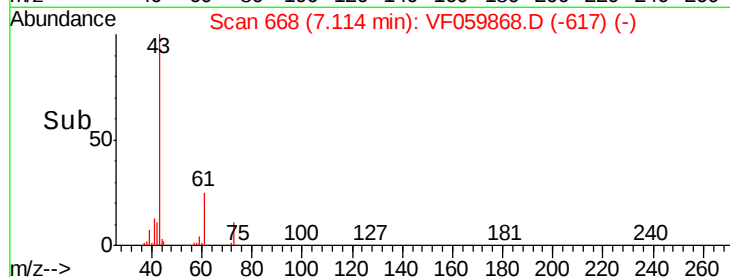
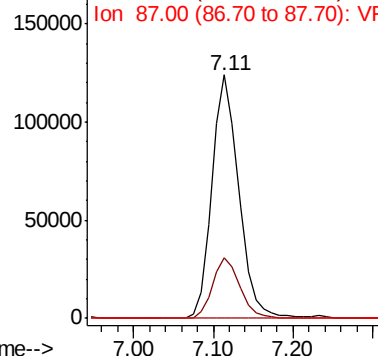
Isopropyl Acetate
 Concen: 149.570 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	43	Resp	289234
Ion Ratio	Lower	Upper	
43	100		
61	24.7	20.3	30.5
87	0.4	0.7	1.1#



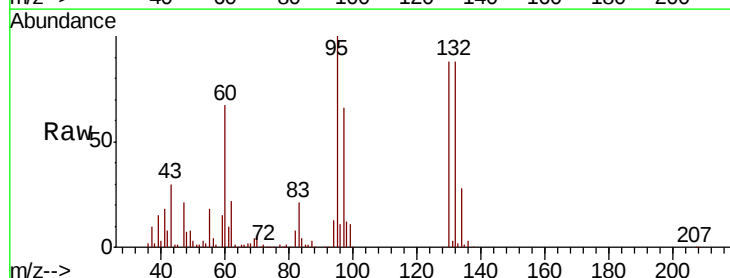
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



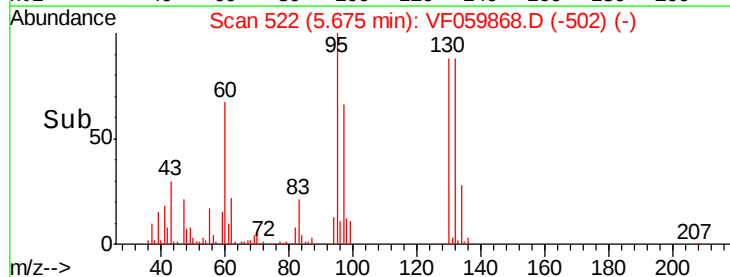
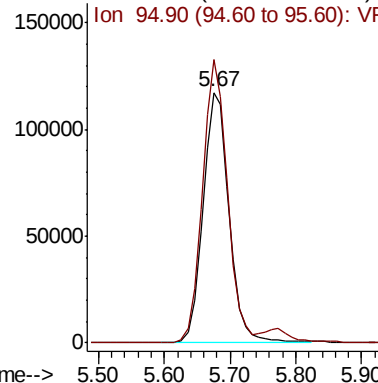
#44

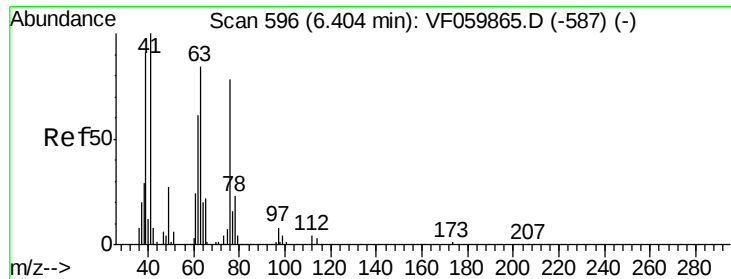
Trichloroethene
 Concen: 124.822 ug/l
 RT: 5.67 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Tgt Ion	130	Resp	325648
Ion Ratio	Lower	Upper	
130	100		
95	113.0	0.0	236.8



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





#45

1,2-Dichloropropane

Concen: 144.547 ug/l

RT: 6.40 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

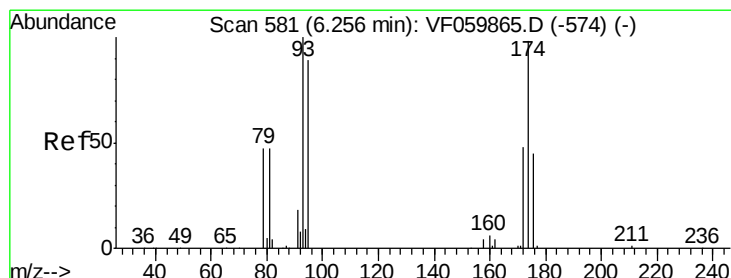
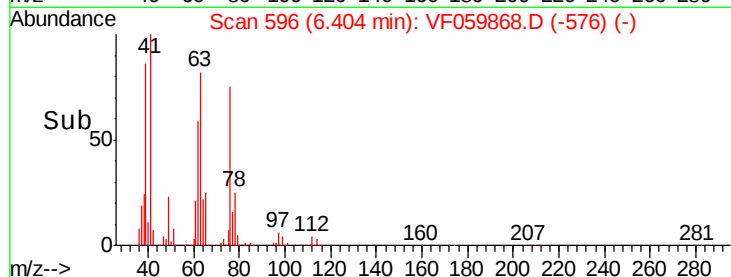
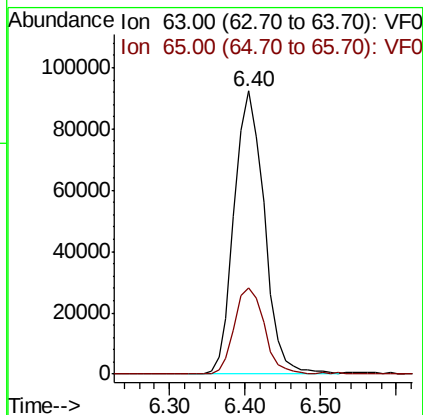
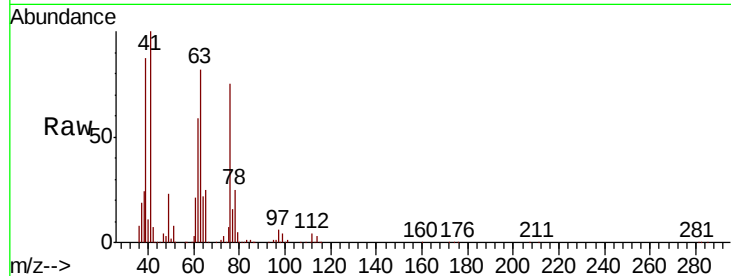
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 63 Resp: 255513

Ion Ratio Lower Upper

63 100

65 30.3 20.4 30.6



#46

Dibromomethane

Concen: 144.550 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

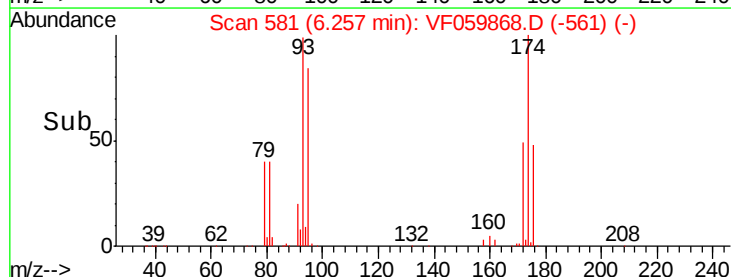
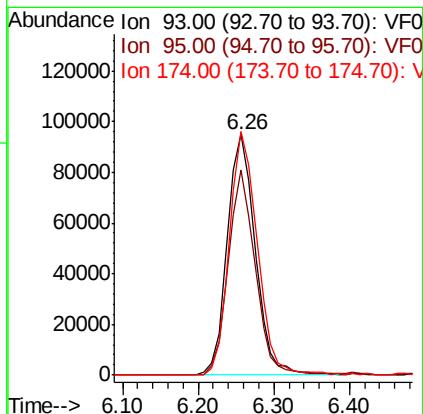
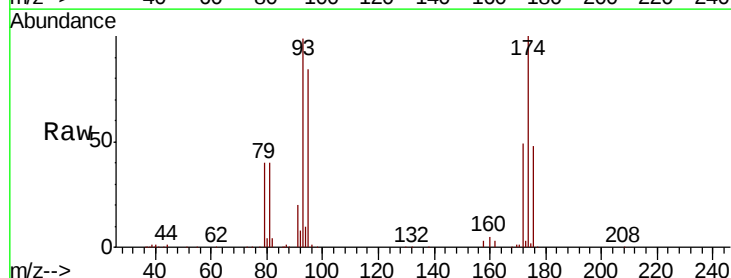
Tgt Ion: 93 Resp: 243315

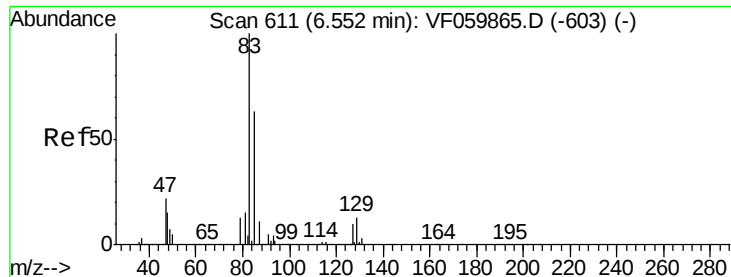
Ion Ratio Lower Upper

93 100

95 85.0 71.4 107.2

174 101.1 78.1 117.1





#47

Bromodichloromethane

Concen: 141.752 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

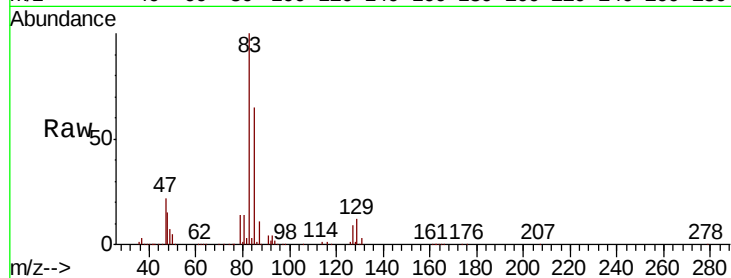
Tot Ion: 83 Resp: 654142

Ion Ratio Lower Upper

83 100

85 65.2 50.7 76.1

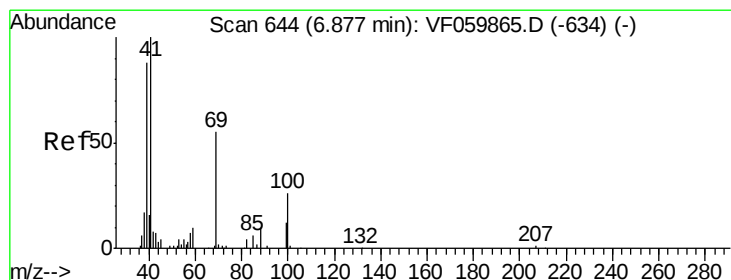
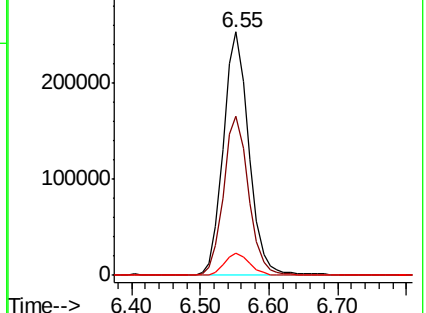
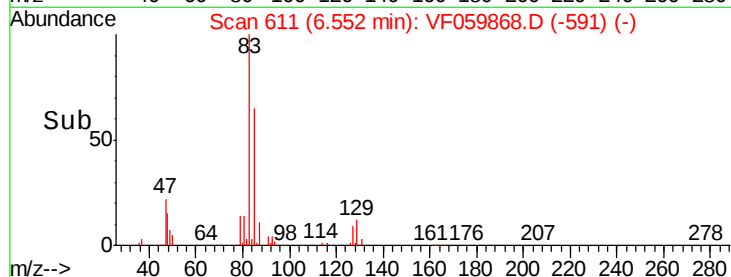
127 9.3 8.0 12.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 154.484 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

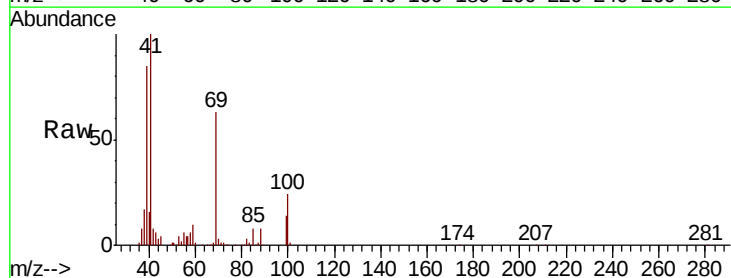
Tgt Ion: 41 Resp: 226159

Ion Ratio Lower Upper

41 100

69 62.6 44.4 66.6

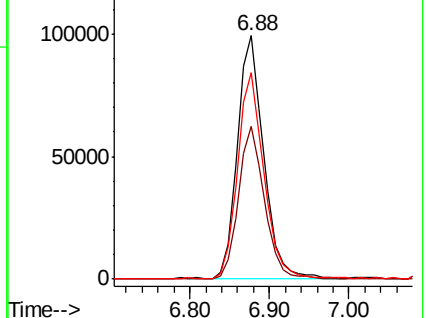
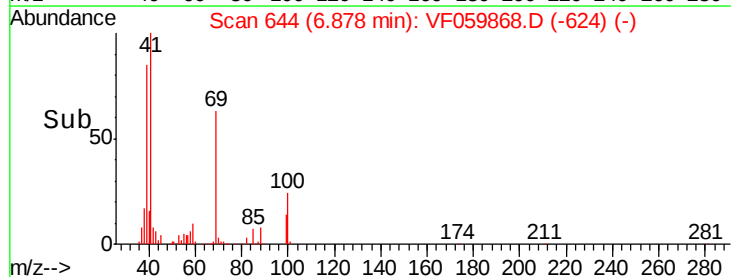
39 84.6 70.6 106.0

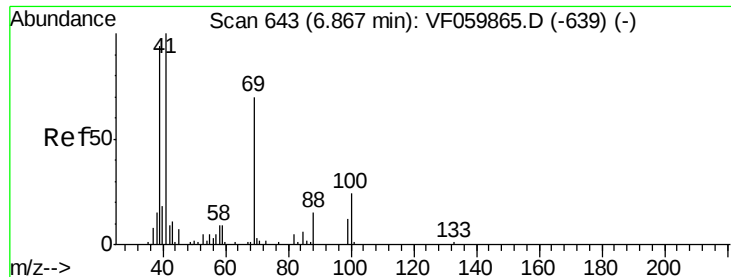


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 2622.067 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :
MSVOA_F
ClientSampleId :

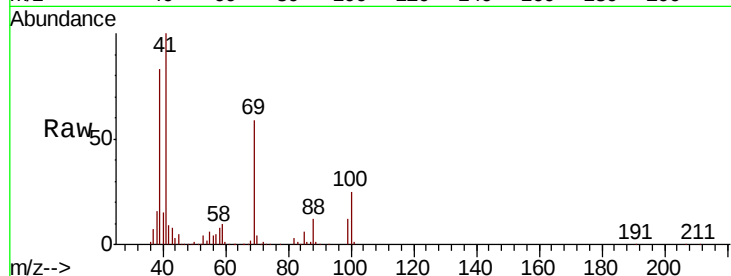
Tot Ion: 88 Resp: 29589

Ion Ratio Lower Upper

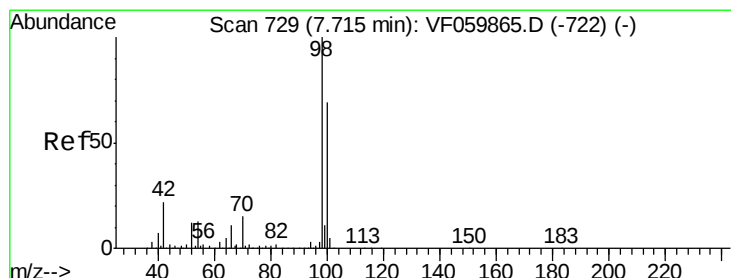
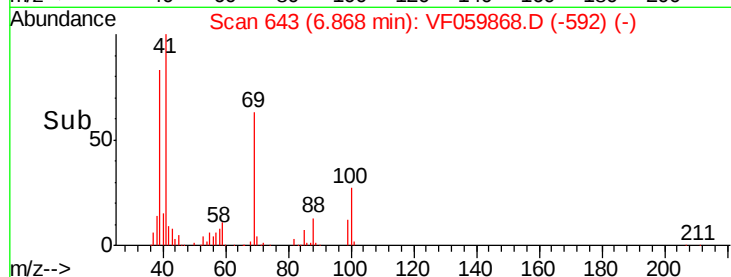
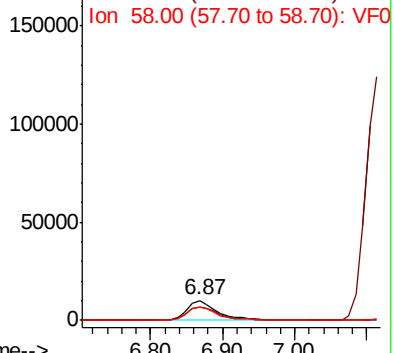
88 100

43 65.8 58.3 87.5

58 65.0 49.4 74.2



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 132.742 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.00 min

Lab File: VF059868.D

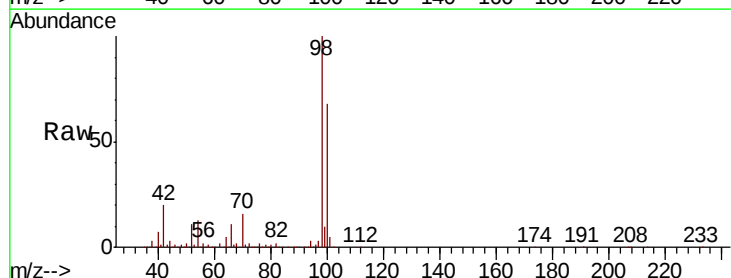
Acq: 4 Aug 2018 6:07

Tgt Ion: 98 Resp: 1045829

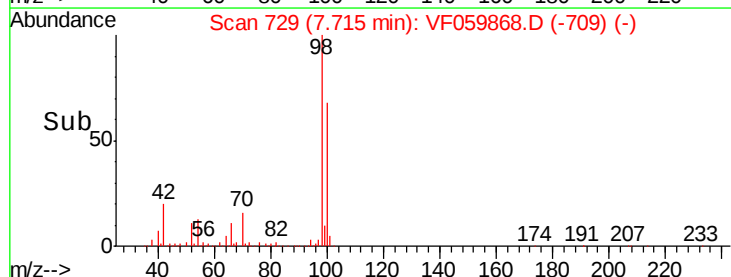
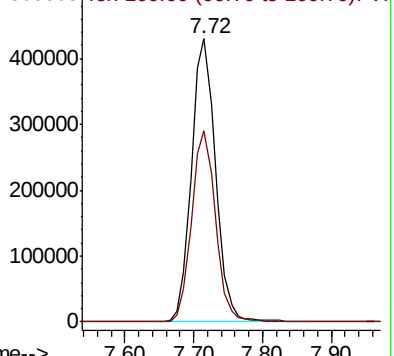
Ion Ratio Lower Upper

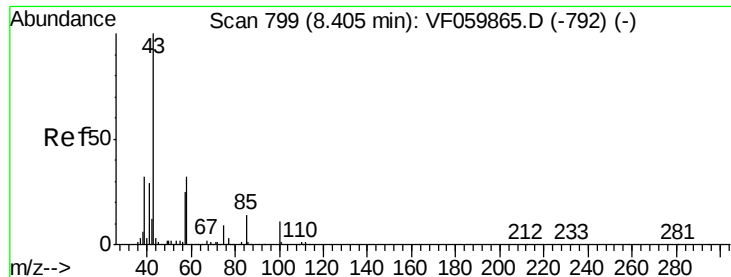
98 100

100 67.8 55.0 82.6



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 807.560 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

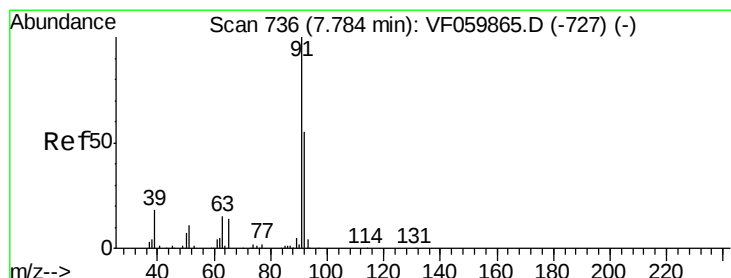
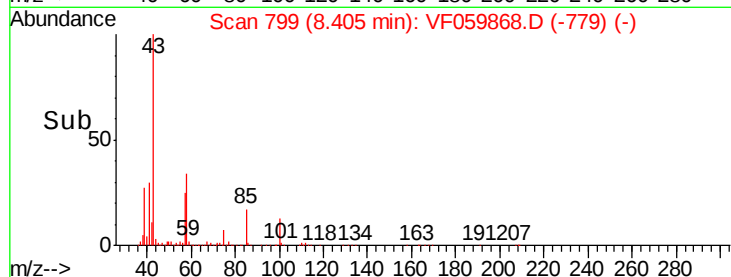
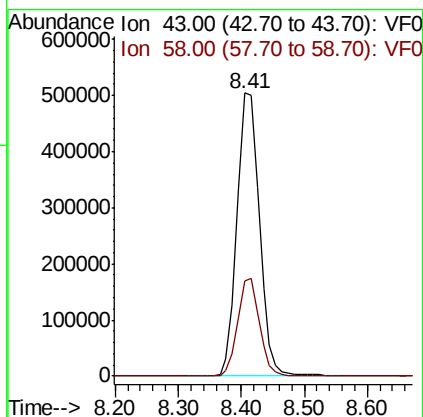
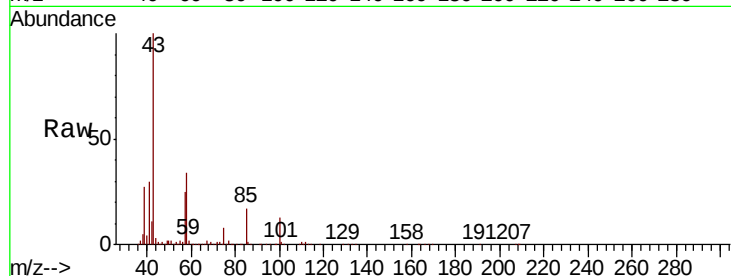
ClientSampled :

Tot Ion: 43 Resp: 1241909

Ion Ratio Lower Upper

43 100

58 33.7 25.4 38.0



#52

Toluene

Concen: 137.492 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059868.D

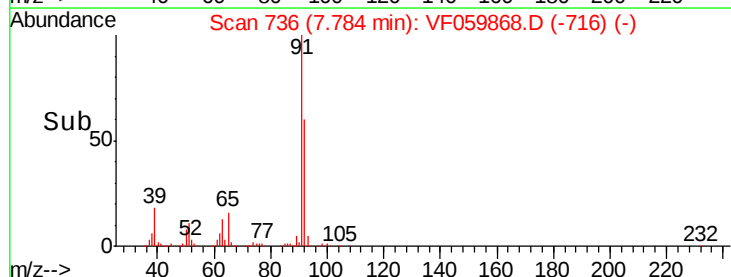
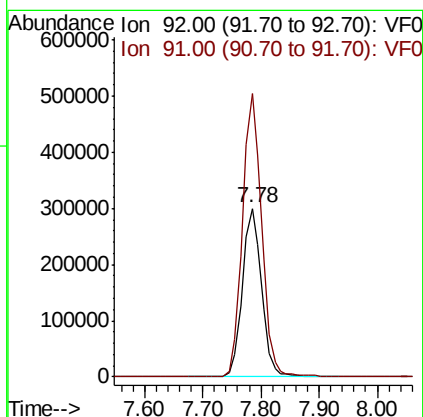
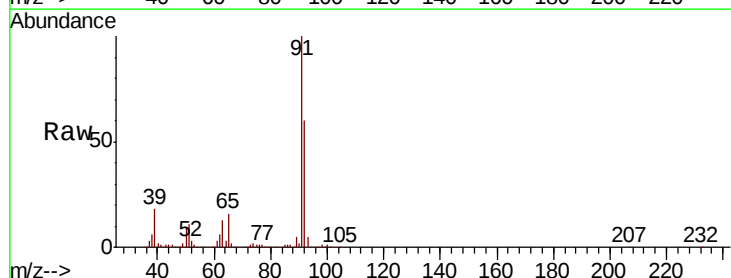
Acq: 4 Aug 2018 6:07

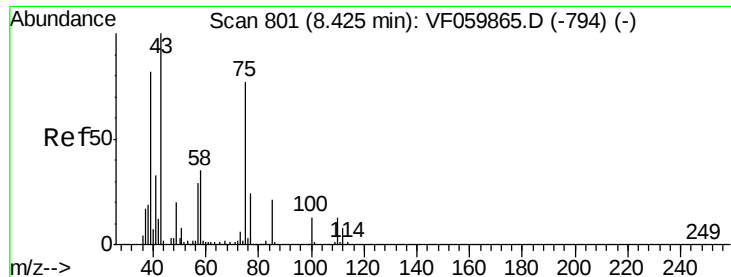
Tgt Ion: 92 Resp: 686607

Ion Ratio Lower Upper

92 100

91 167.8 145.7 218.5





#53

t-1,3-Dichloropropene

Concen: 136.730 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

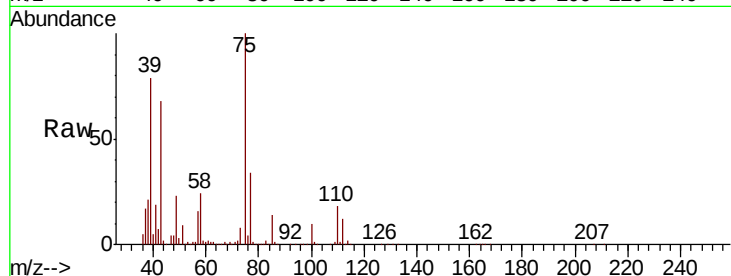
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 536277

Ion Ratio Lower Upper

75 100

77 33.6 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.44

250000

200000

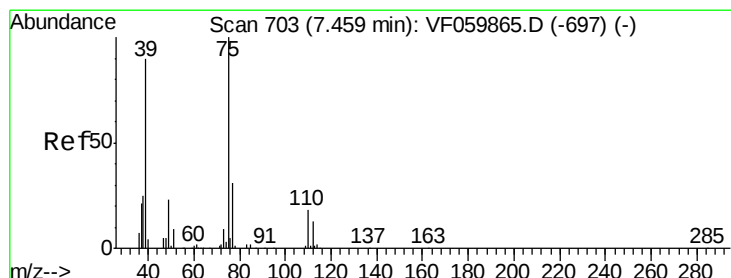
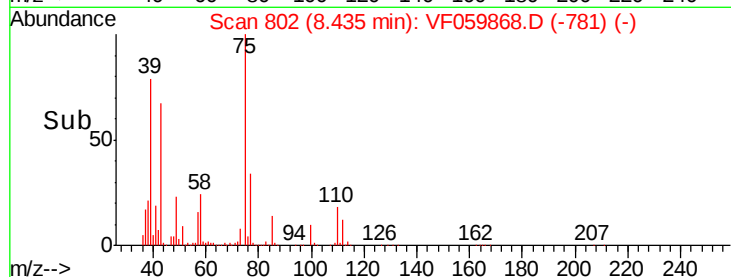
150000

100000

50000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#54

cis-1,3-Dichloropropene

Concen: 147.387 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

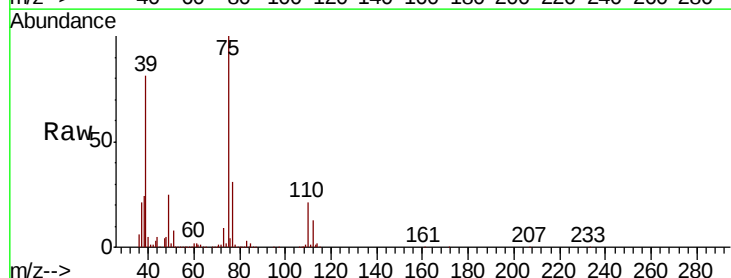
Tgt Ion: 75 Resp: 566043

Ion Ratio Lower Upper

75 100

77 31.3 24.7 37.1

39 81.5 72.0 108.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

300000

250000

200000

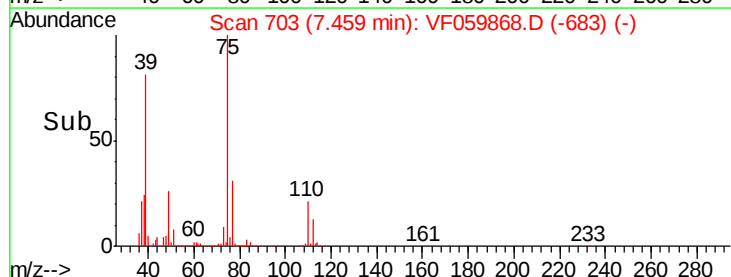
150000

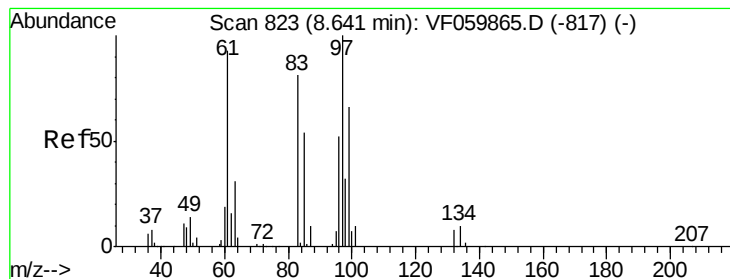
100000

50000

0

Time--> 7.30 7.40 7.50 7.60





#55

1,1,2-Trichloroethane

Concen: 138.649 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 248045

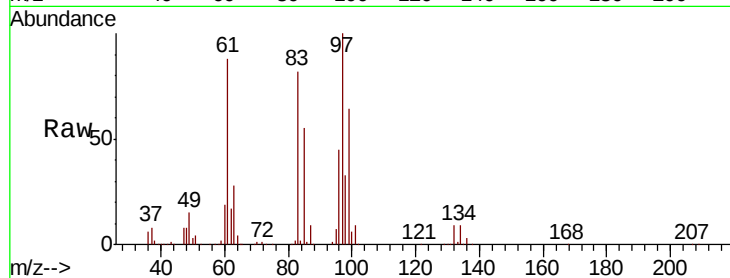
Ion Ratio Lower Upper

97 100

83 82.2 64.4 96.6

85 54.8 43.1 64.7

99 64.3 52.7 79.1

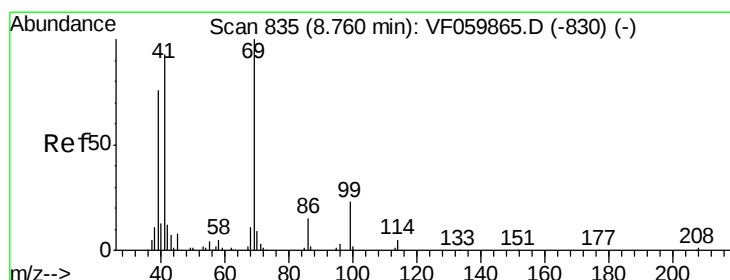
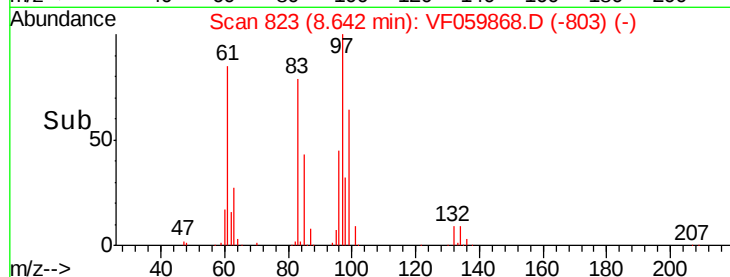
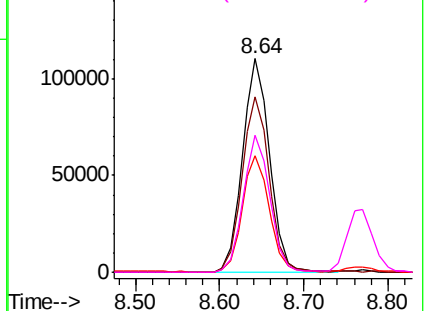


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 160.726 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

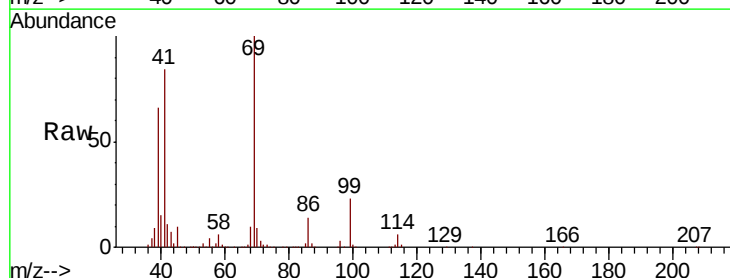
Tgt Ion: 69 Resp: 297482

Ion Ratio Lower Upper

69 100

41 83.8 74.7 112.1

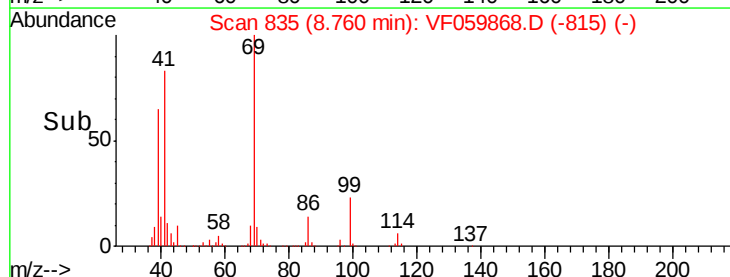
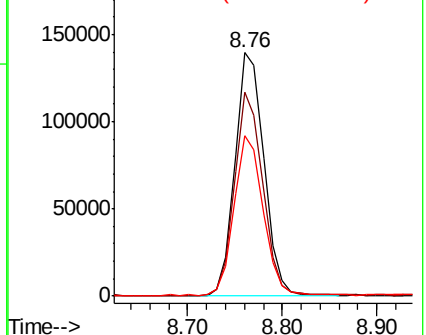
39 66.0 61.1 91.7

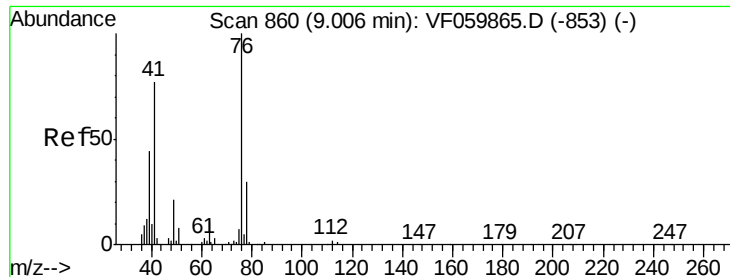


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 143.392 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

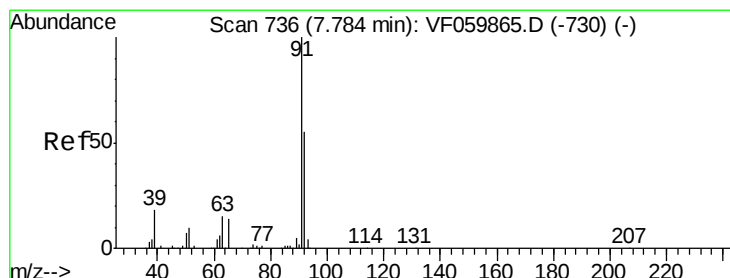
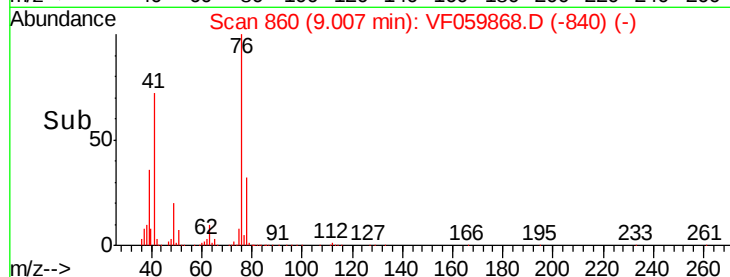
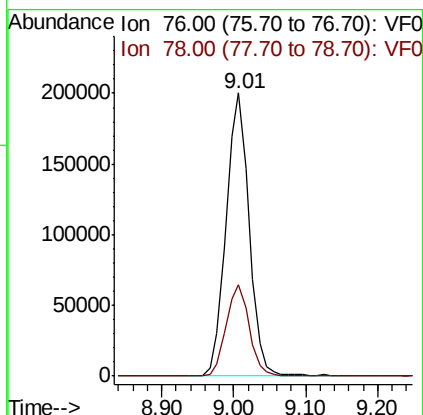
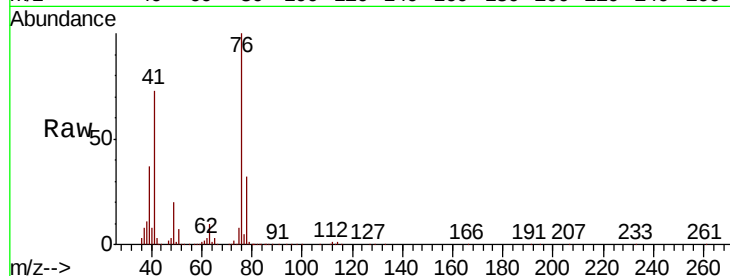
ClientSampleId :

Tot Ion: 76 Resp: 444880

Ion Ratio Lower Upper

76 100

78 32.4 24.2 36.2



#58

2-Chloroethyl Vinyl ether

Concen: 685.300 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059868.D

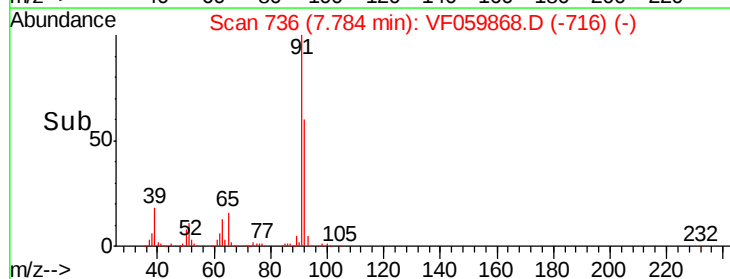
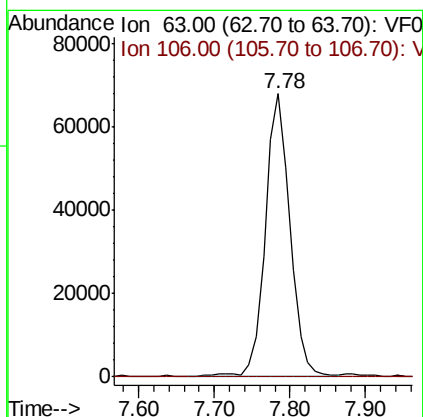
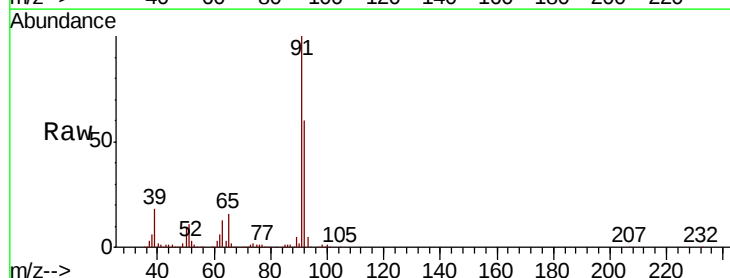
Acq: 4 Aug 2018 6:07

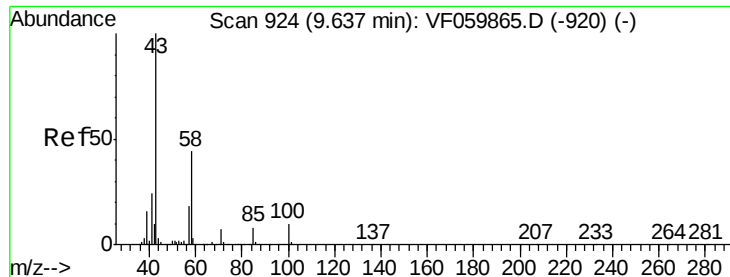
Tgt Ion: 63 Resp: 154338

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

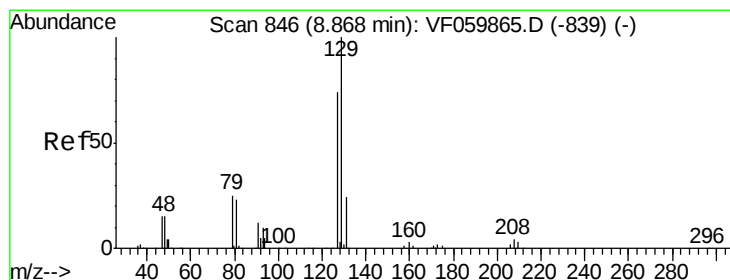
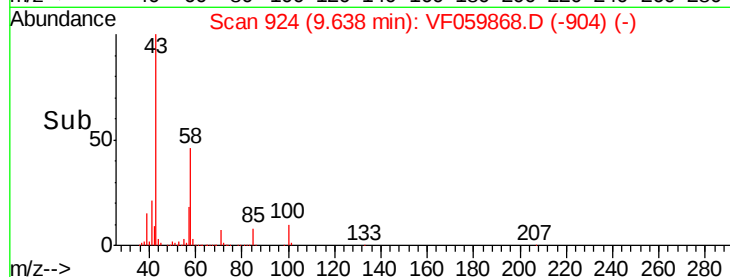
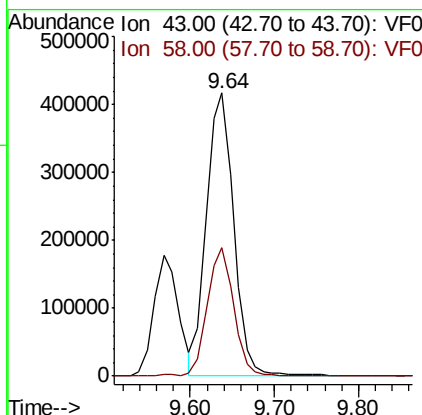
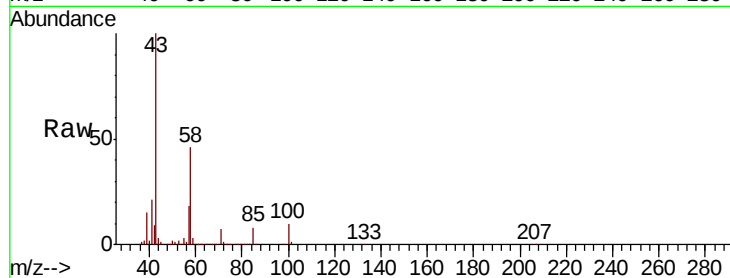




#59
2-Hexanone
Concen: 767.648 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

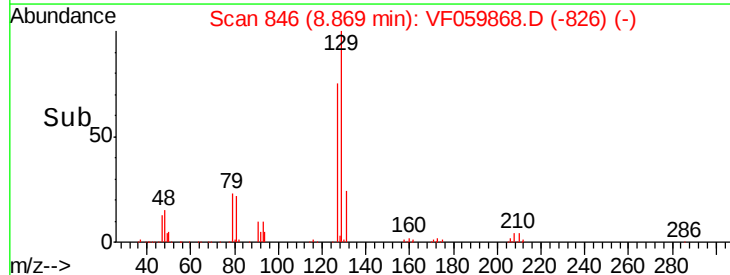
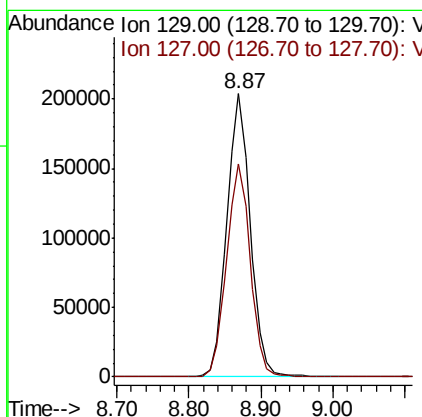
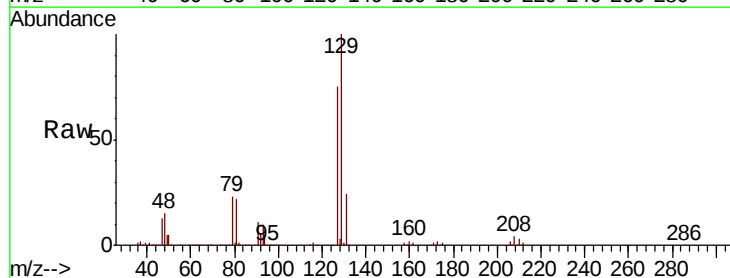
Instrument :
MSVOA_F
ClientSampleId :

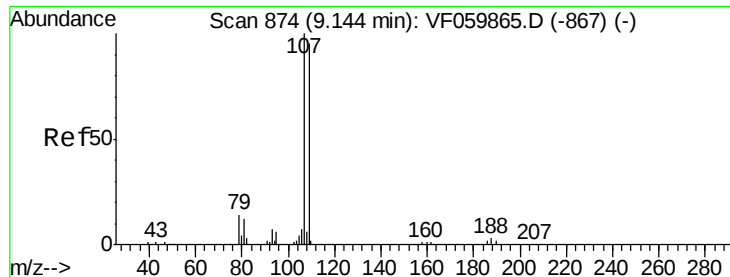
Tot Ion: 43 Resp: 932437
Ion Ratio Lower Upper
43 100
58 45.5 20.8 62.2



#60
Dibromochloromethane
Concen: 143.813 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion: 129 Resp: 462734
Ion Ratio Lower Upper
129 100
127 75.4 36.9 110.7





#61

1,2-Dibromoethane

Concen: 149.604 ug/l

RT: 9.14 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

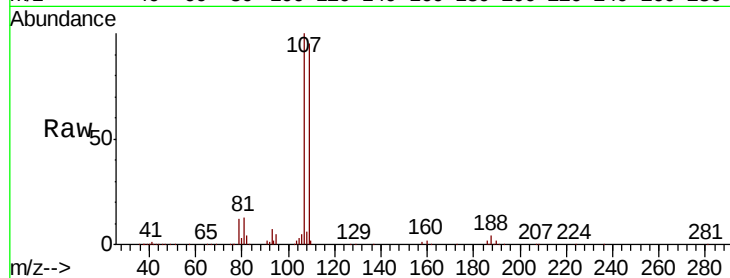
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:107 Resp: 317702

Ion Ratio Lower Upper

107 100

109 95.5 75.8 113.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.14

150000

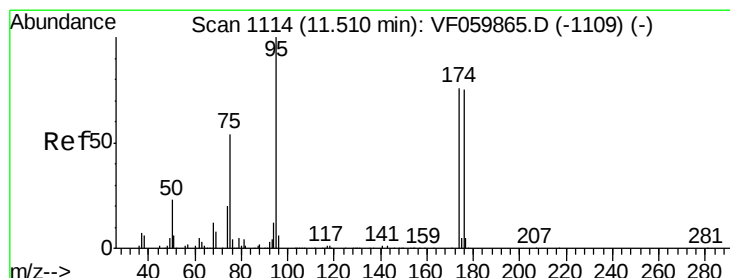
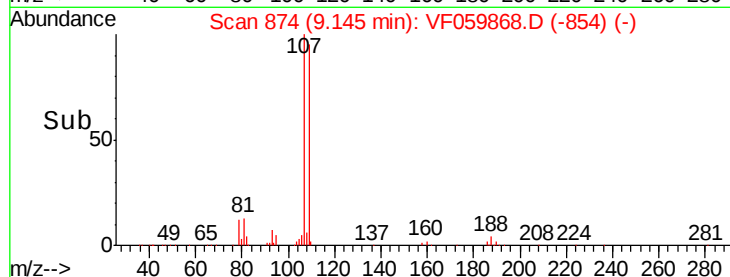
100000

50000

0

Time-->

9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 122.856 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

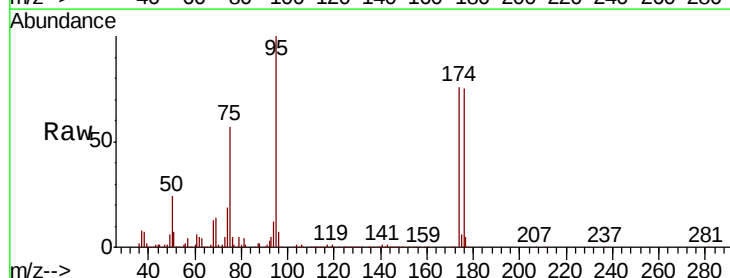
Tgt Ion: 95 Resp: 535584

Ion Ratio Lower Upper

95 100

174 76.3 0.0 151.6

176 75.3 0.0 149.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

400000

300000

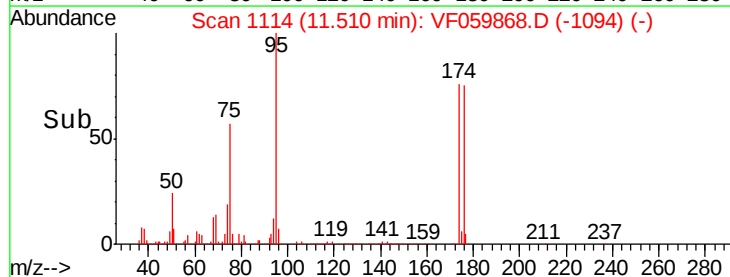
200000

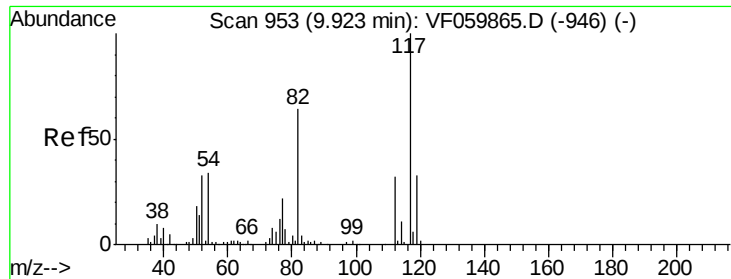
100000

0

Time-->

11.40 11.50 11.60 11.70

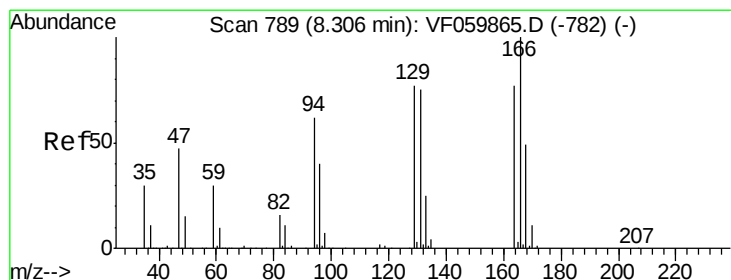
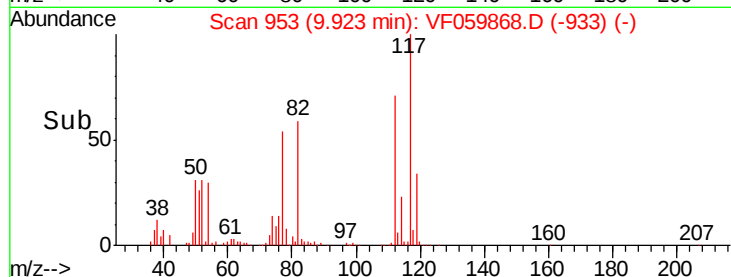
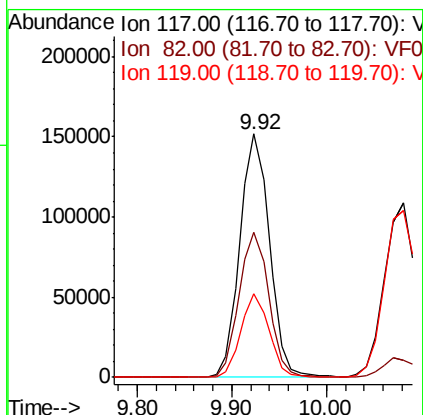
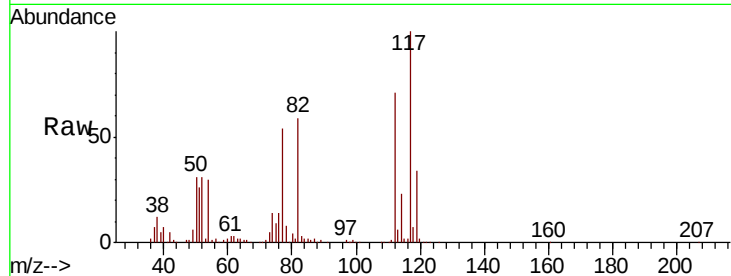




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

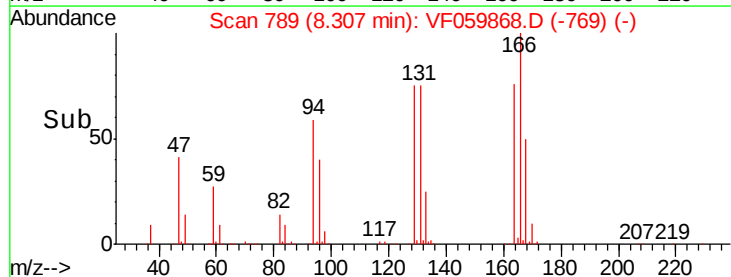
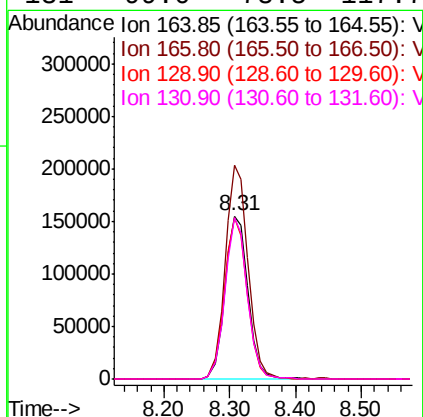
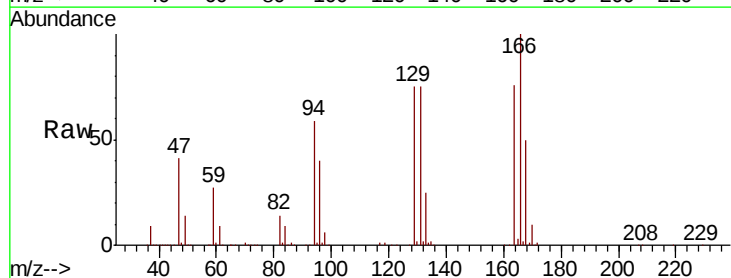
Instrument :
MSVOA_F
ClientSampleId :

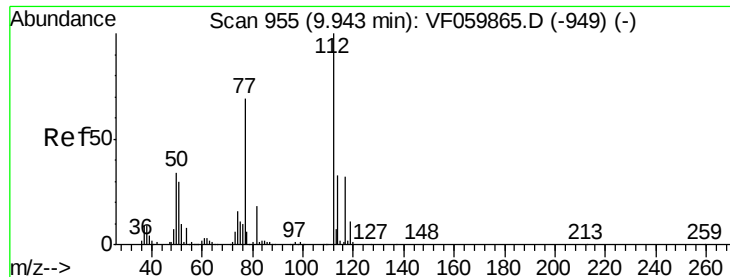
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	51.3	76.9
119	34.4	26.4	39.6



#64
Tetrachloroethene
Concen: 140.482 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	104.4	156.6
129	99.0	80.3	120.5
131	99.0	78.5	117.7

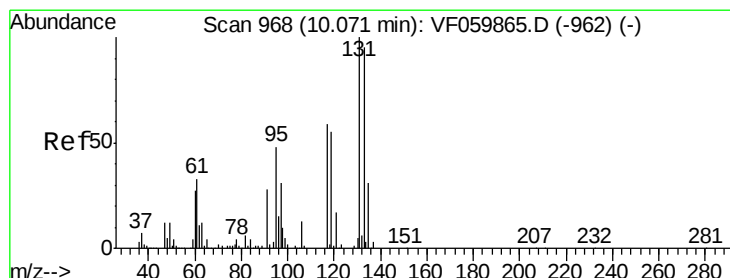
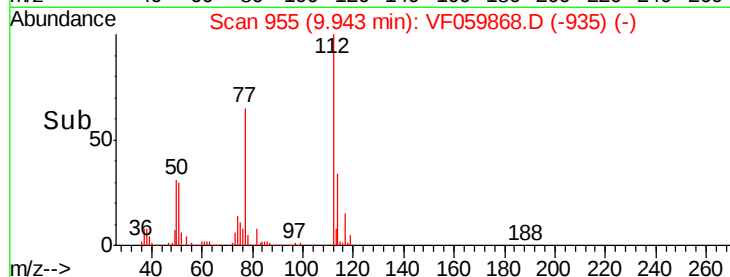
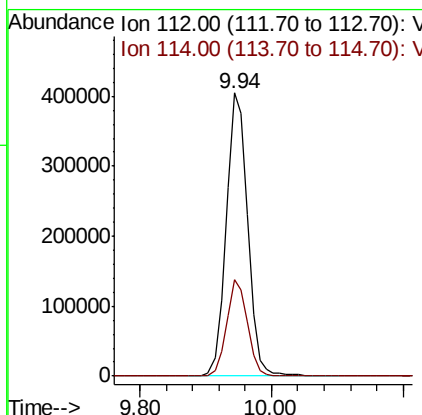
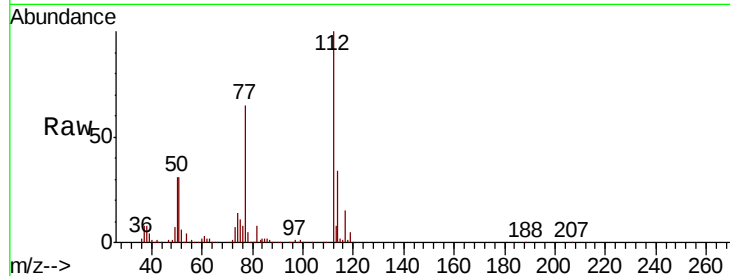




#65
Chlorobenzene
Concen: 136.230 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

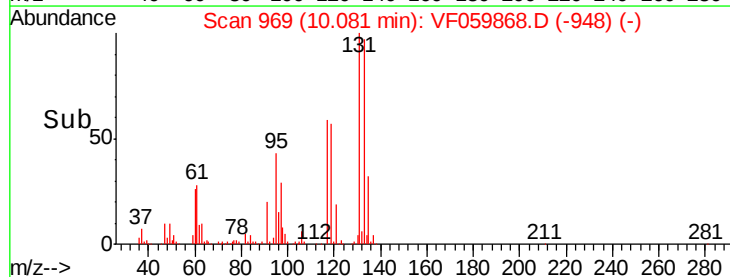
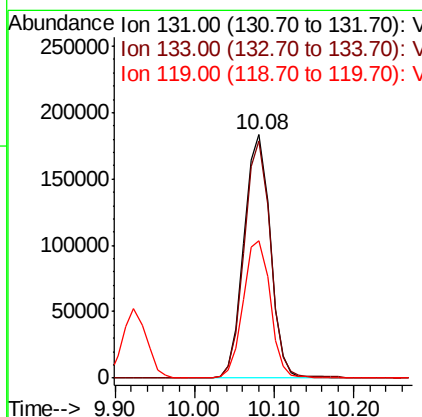
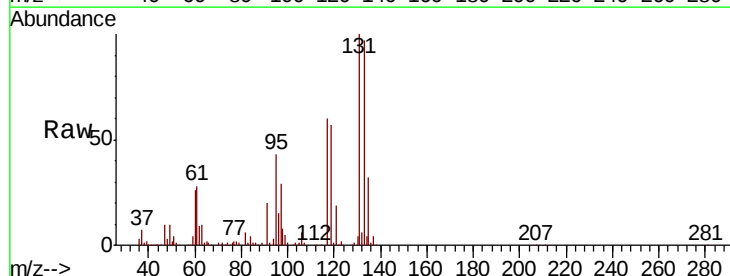
Instrument :
MSVOA_F
ClientSampleId :

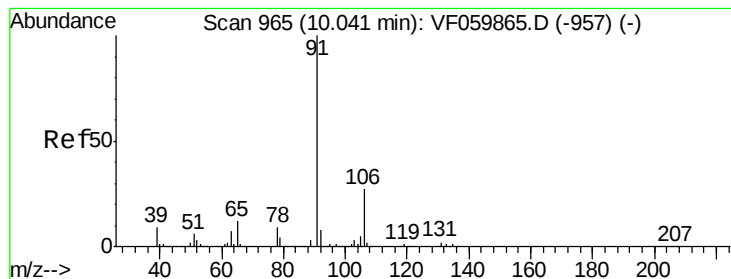
Tot Ion:112 Resp: 923324
Ion Ratio Lower Upper
112 100
114 33.9 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 131.620 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion:131 Resp: 418527
Ion Ratio Lower Upper
131 100
133 97.2 47.4 142.2
119 56.7 27.7 83.1





#67

Ethyl Benzene

Concen: 134.506 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

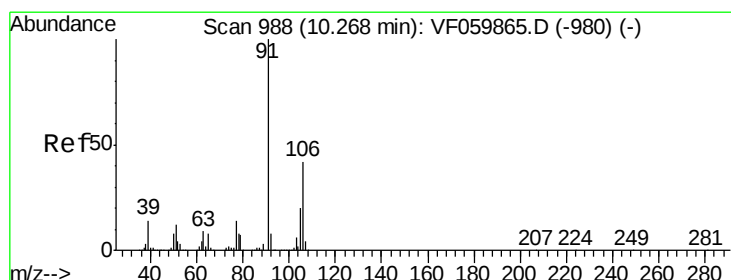
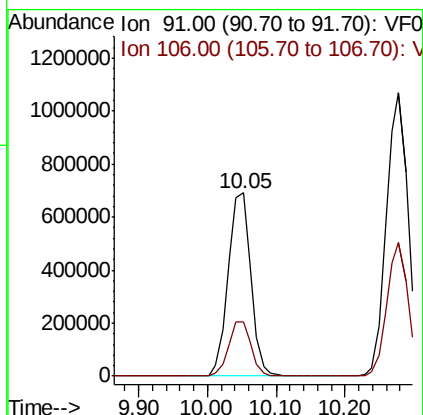
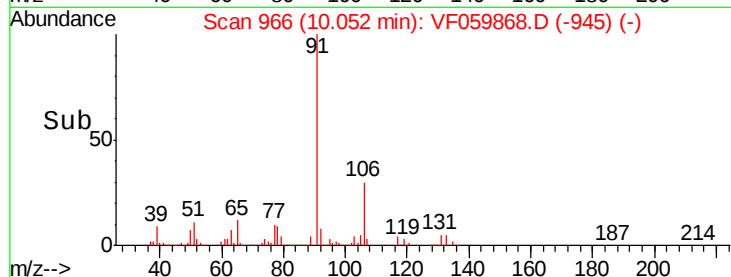
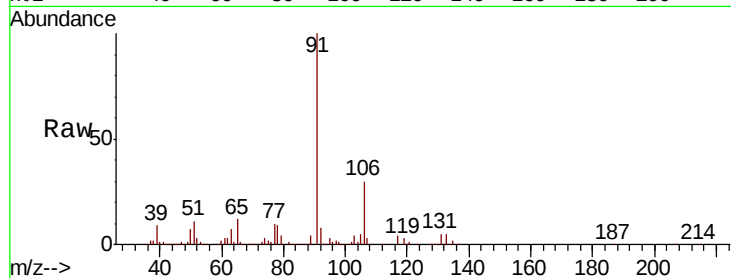
ClientSampleId :

Tot Ion: 91 Resp: 1582039

Ion Ratio Lower Upper

91 100

106 29.6 21.5 32.3



#68

m/p-Xylenes

Concen: 263.372 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF059868.D

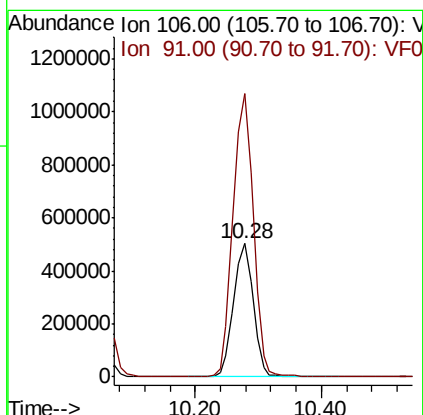
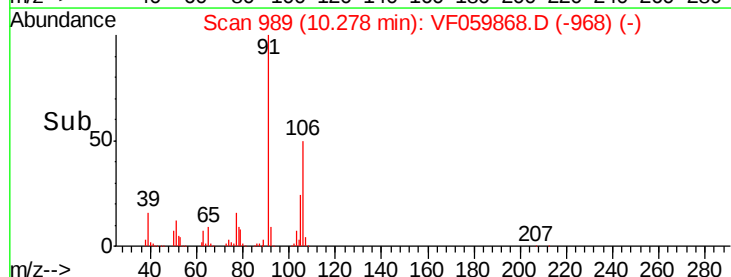
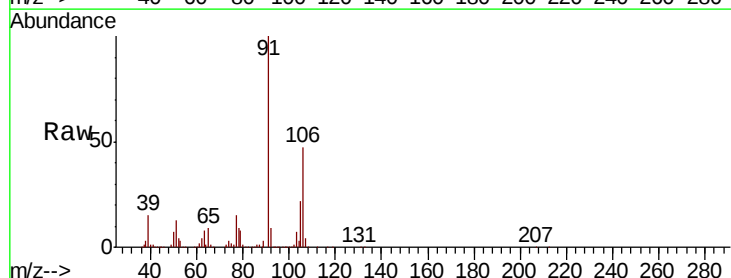
Acq: 4 Aug 2018 6:07

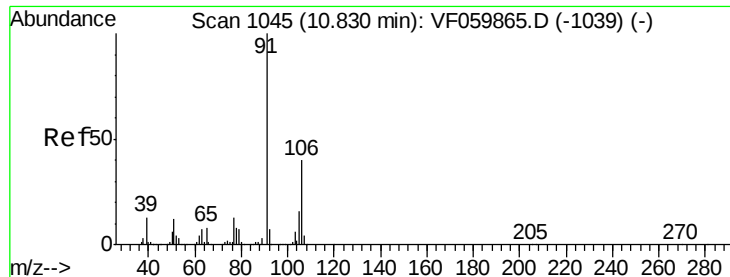
Tgt Ion:106 Resp: 1085766

Ion Ratio Lower Upper

106 100

91 212.3 192.1 288.1

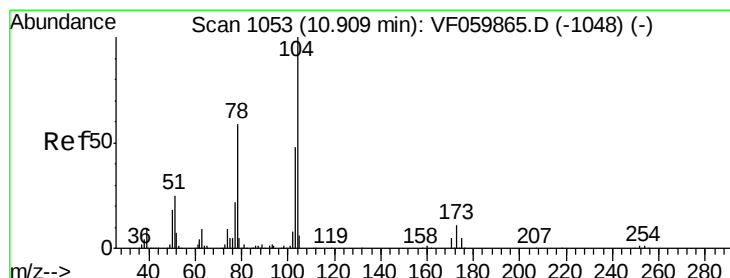
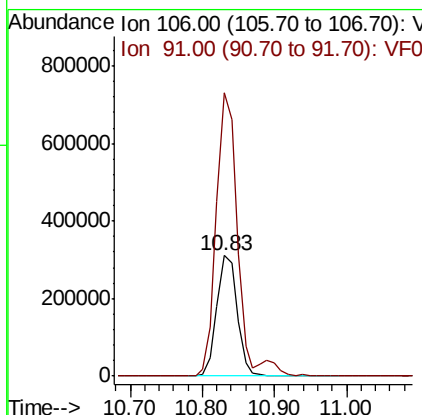
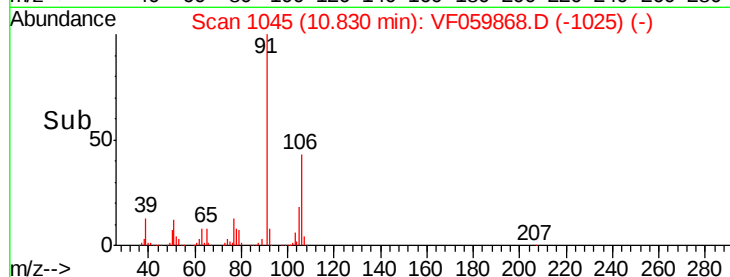
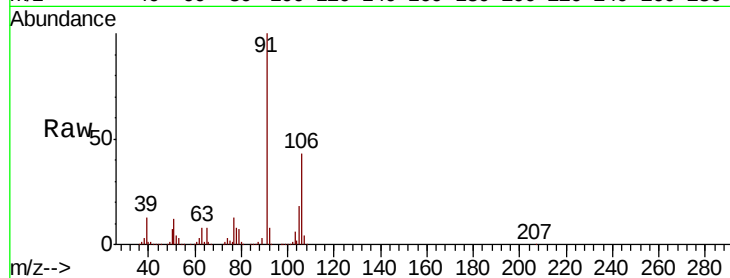




#69
o-Xylene
Concen: 139.773 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

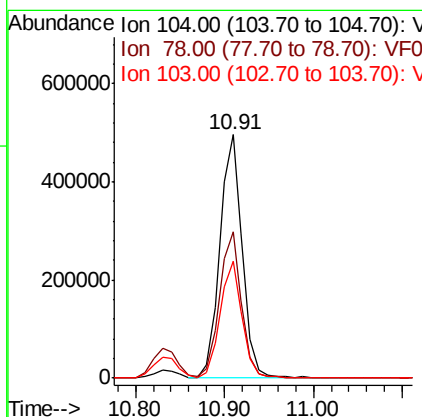
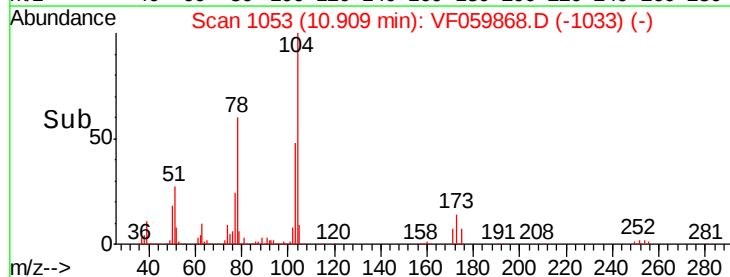
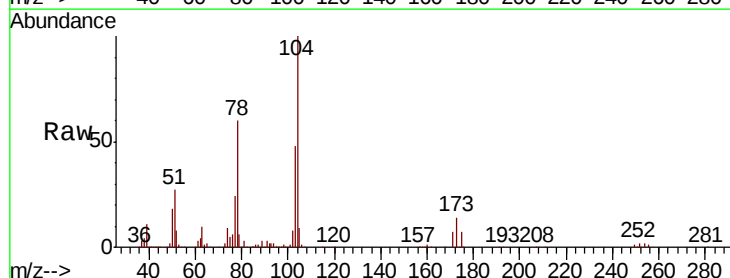
Instrument :
MSVOA_F
ClientSampleId :

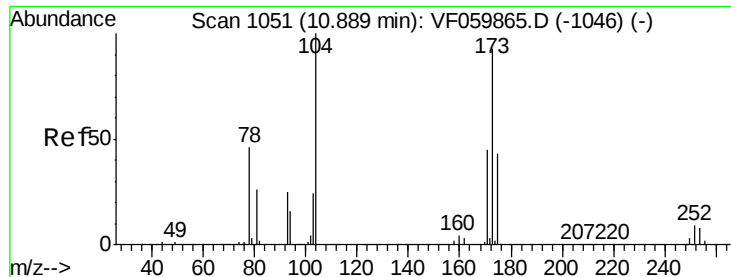
Tot Ion:106 Resp: 609471
Ion Ratio Lower Upper
106 100
91 234.7 125.4 376.2



#70
Styrene
Concen: 133.821 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion:104 Resp: 873980
Ion Ratio Lower Upper
104 100
78 59.9 47.3 70.9
103 48.0 39.0 58.4





#71

Bromoform

Concen: 136.419 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampled :

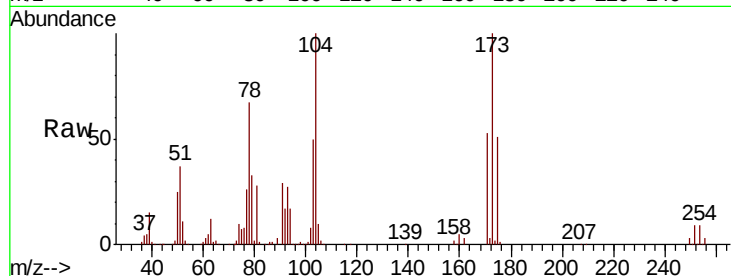
Tot Ion:173 Resp: 278565

Ion Ratio Lower Upper

173 100

175 50.8 23.4 70.2

254 0.1 0.0 0.0#

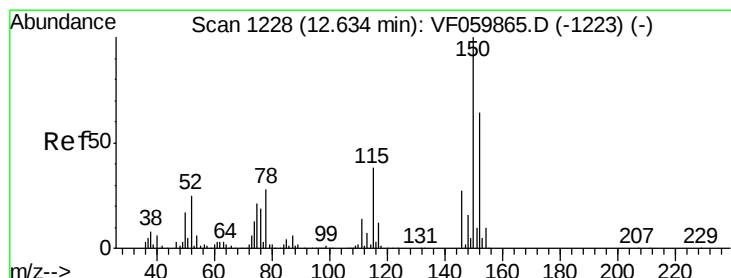
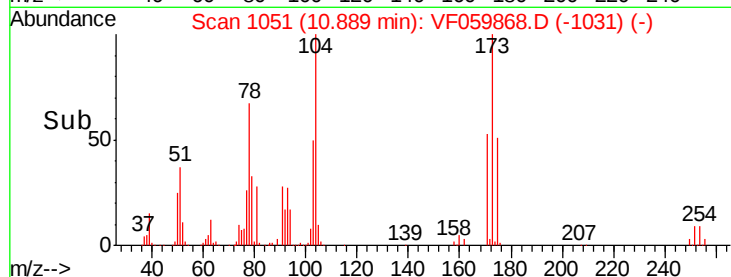
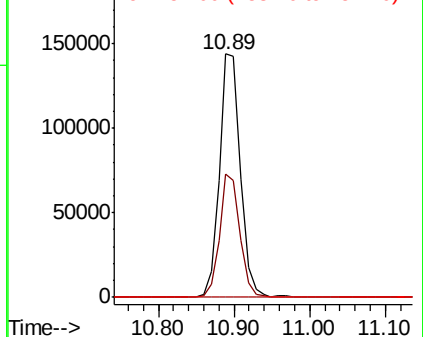


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

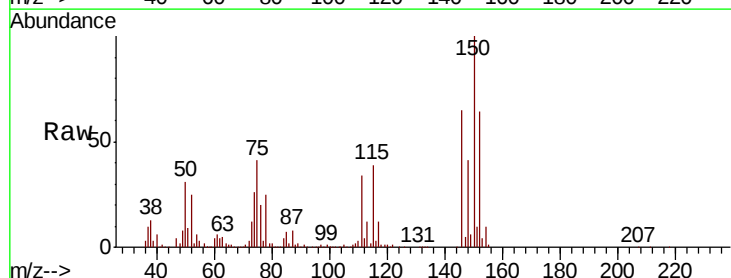
Tgt Ion:152 Resp: 203167

Ion Ratio Lower Upper

152 100

115 60.7 29.8 89.4

150 157.4 0.0 315.6

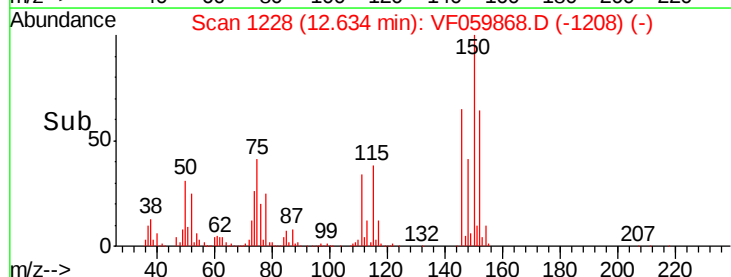
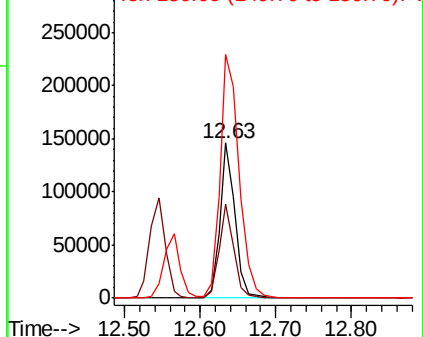


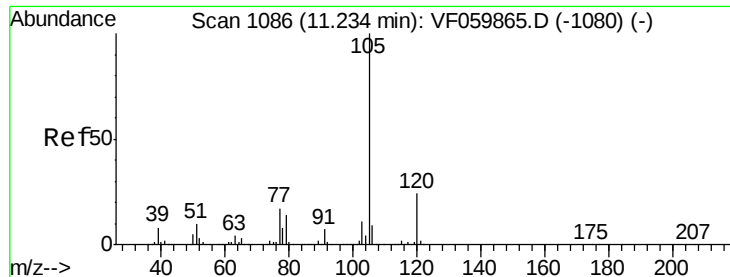
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 132.227 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

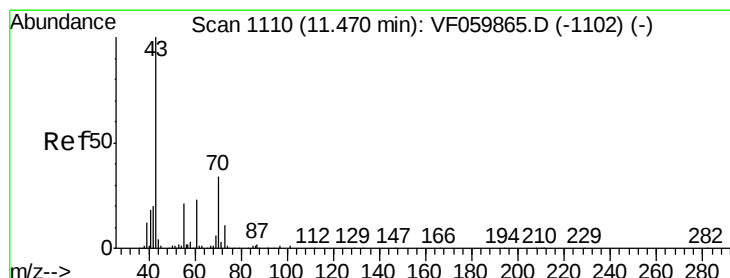
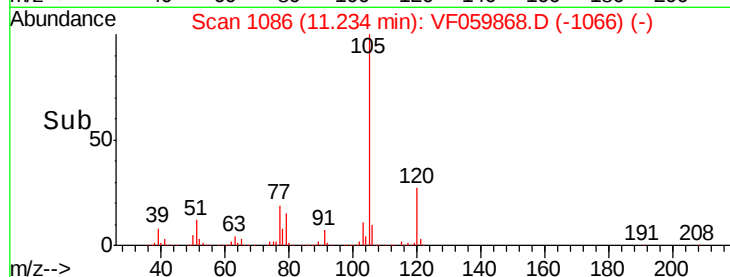
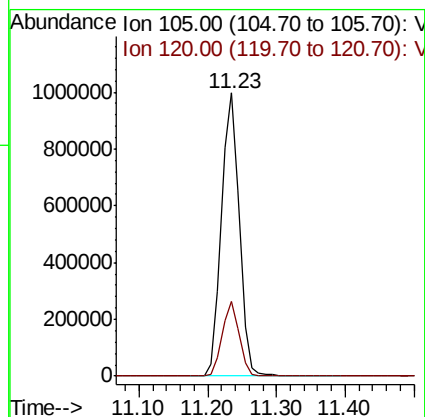
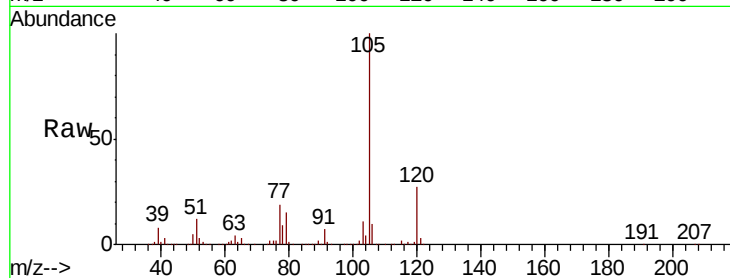
ClientSampleId :

Tot Ion:105 Resp: 1798713

Ion Ratio Lower Upper

105 100

120 26.6 12.1 36.3



#74

N-ethyl acetate

Concen: 146.107 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tgt Ion: 43 Resp: 490268

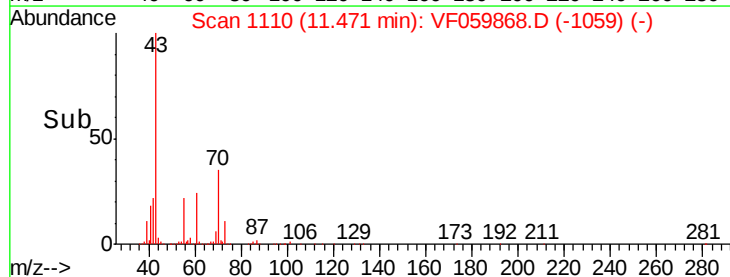
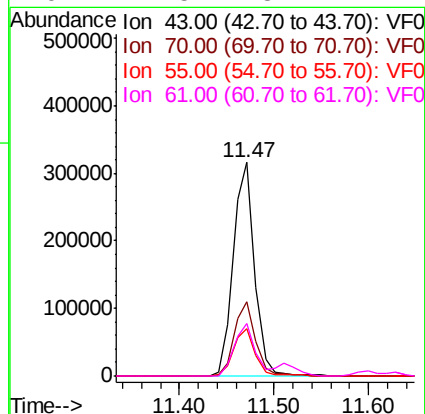
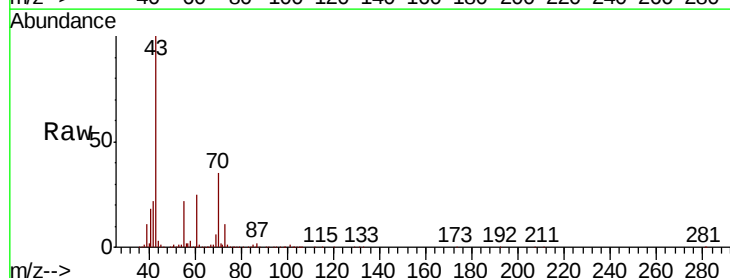
Ion Ratio Lower Upper

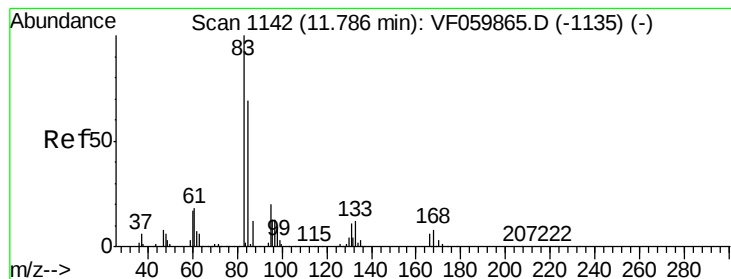
43 100

70 34.6 27.5 41.3

55 22.4 16.6 25.0

61 24.5 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 132.781 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

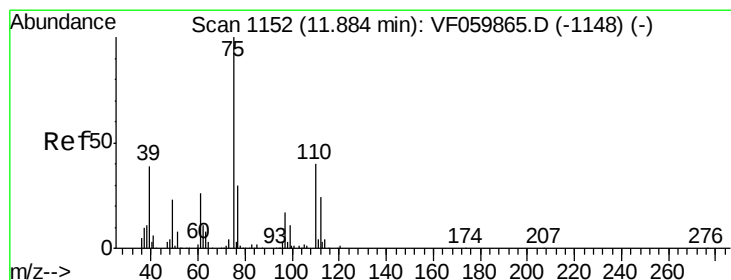
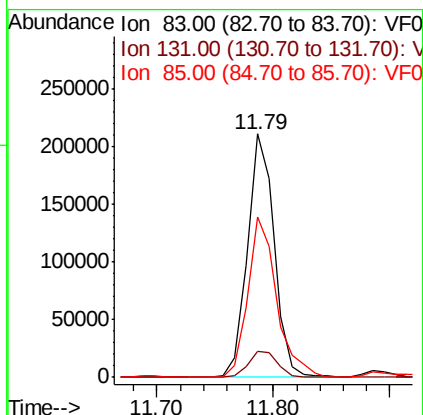
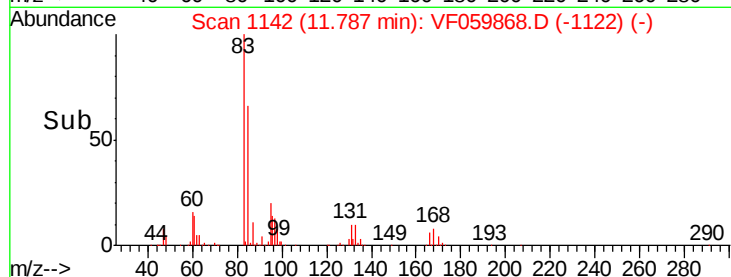
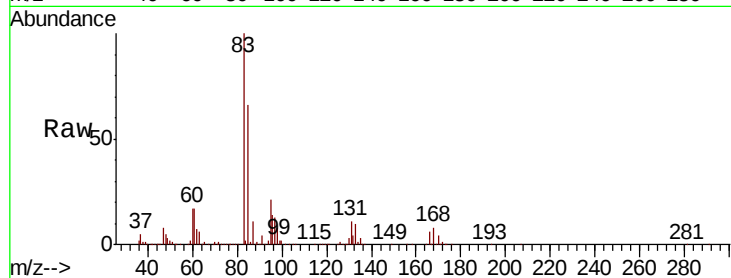
Tot Ion: 83 Resp: 334304

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.9

85 66.1 34.5 103.5



#76

1,2,3-Trichloropropane

Concen: 130.124 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059868.D

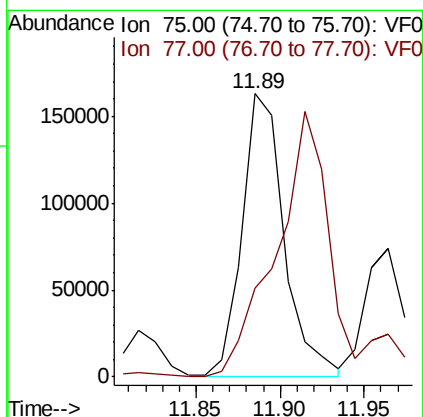
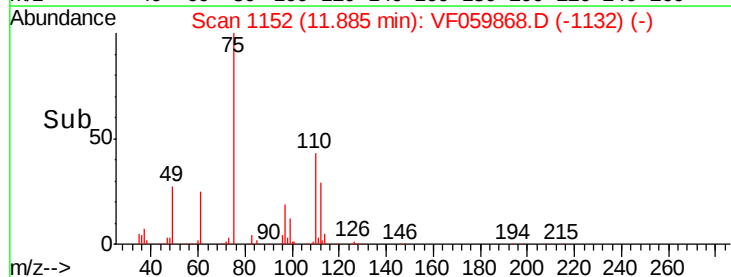
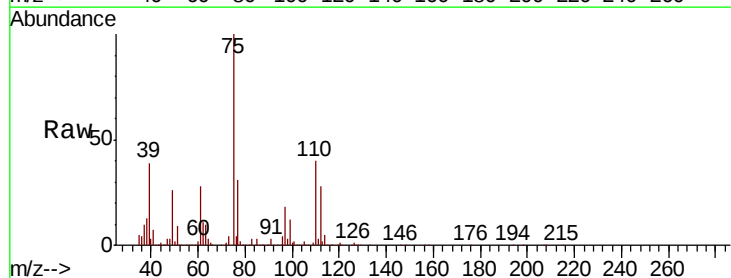
Acq: 4 Aug 2018 6:07

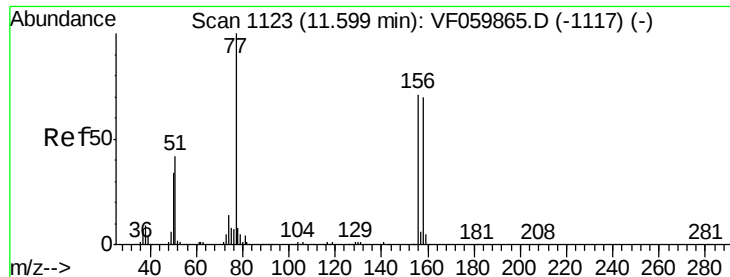
Tgt Ion: 75 Resp: 280863

Ion Ratio Lower Upper

75 100

77 31.2 15.4 46.2





#77

Bromobenzene

Concen: 136.869 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

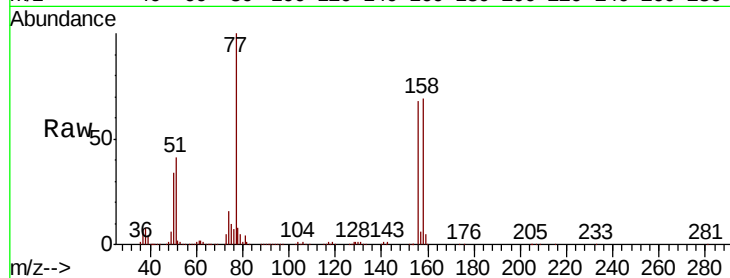
Tot Ion:156 Resp: 484566

Ion Ratio Lower Upper

156 100

77 146.5 70.2 210.6

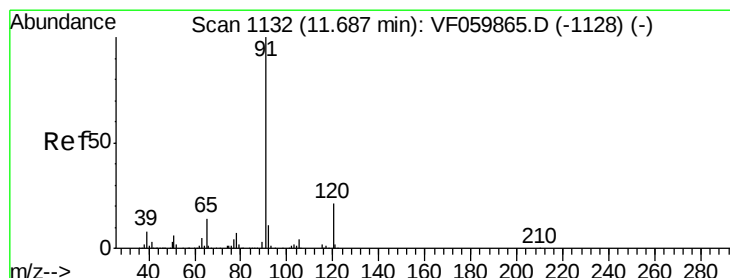
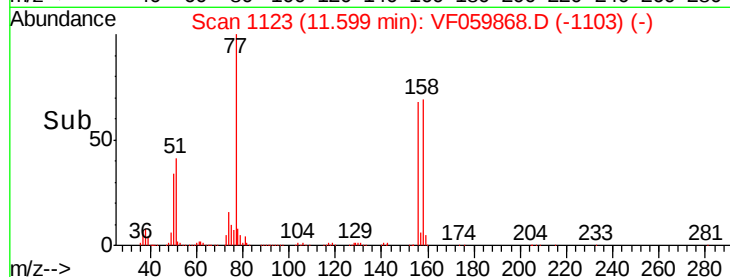
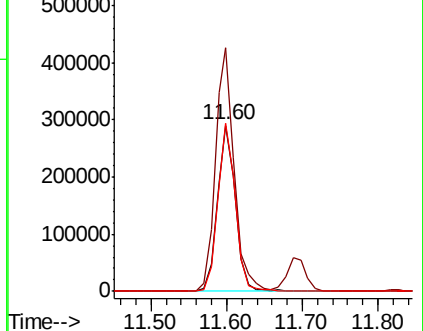
158 101.4 49.2 147.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 124.193 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059868.D

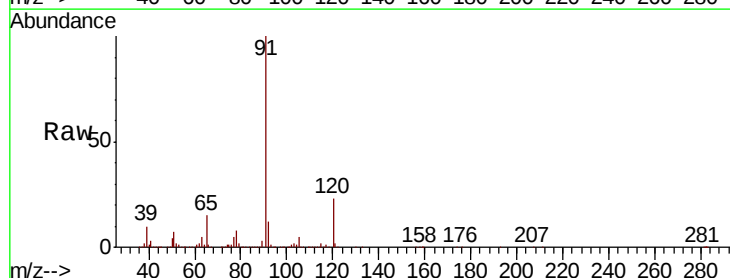
Acq: 4 Aug 2018 6:07

Tgt Ion: 91 Resp: 1970035

Ion Ratio Lower Upper

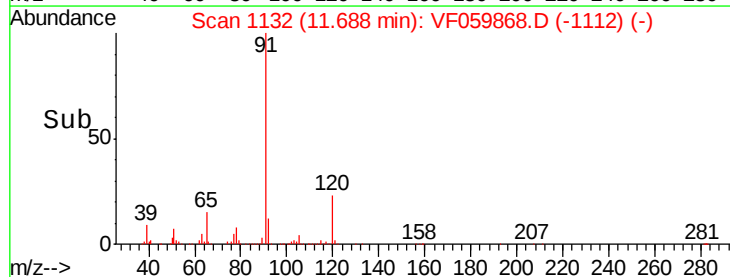
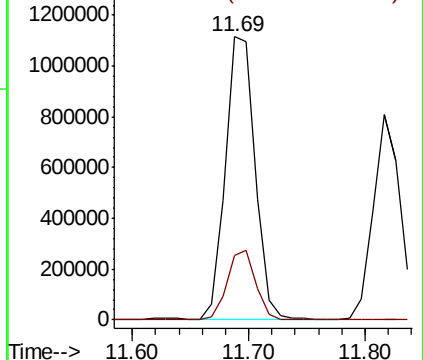
91 100

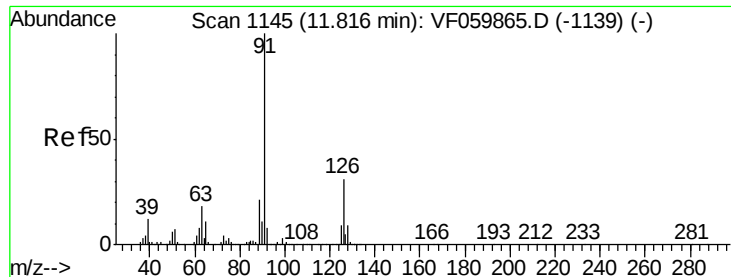
120 22.9 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

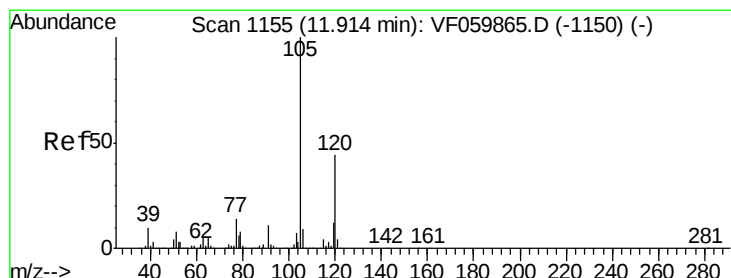
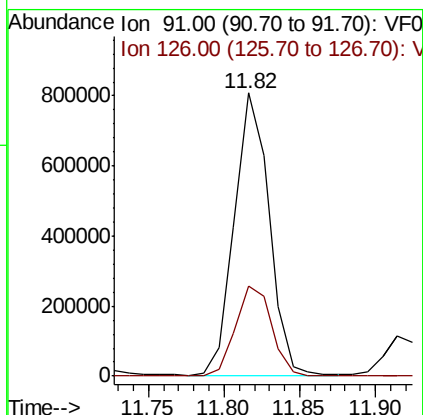
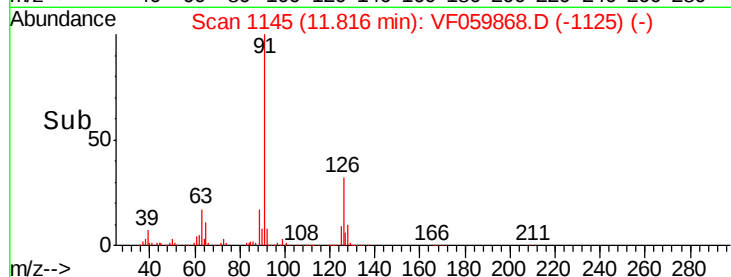
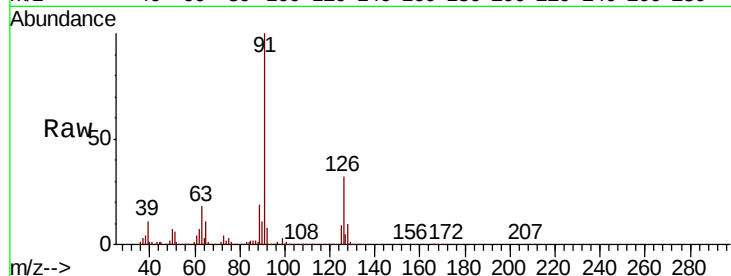




#79
 2-Chlorotoluene
 Concen: 130.538 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

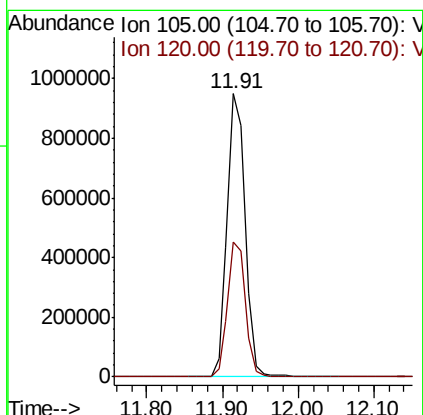
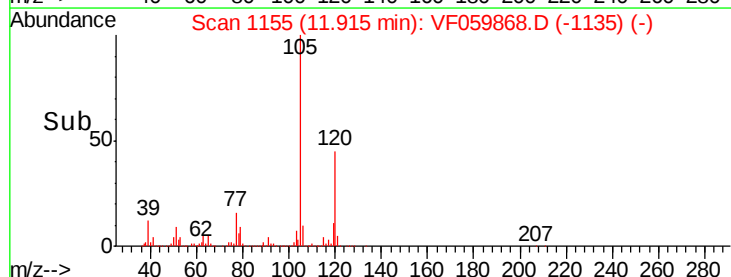
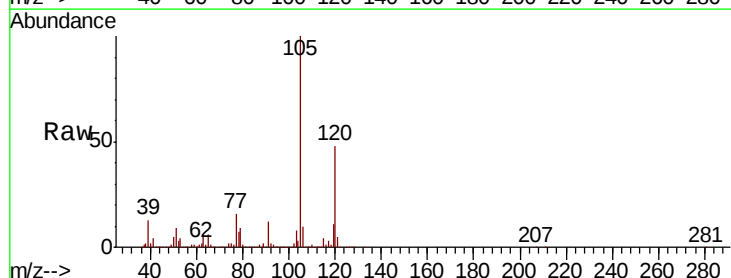
Instrument :
 MSVOA_F
 ClientSampleId :

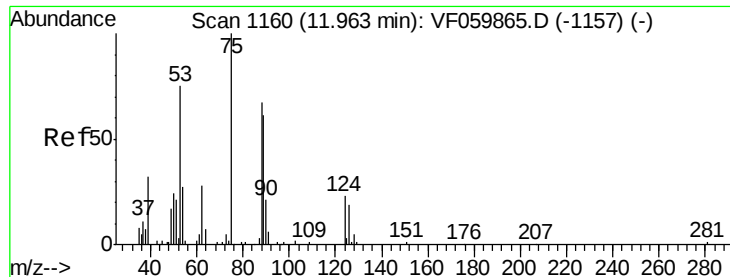
Tot Ion: 91 Resp: 1287038
 Ion Ratio Lower Upper
 91 100
 126 32.0 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 127.764 ug/l
 RT: 11.91 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Tgt Ion:105 Resp: 1565504
 Ion Ratio Lower Upper
 105 100
 120 47.5 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 188.612 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

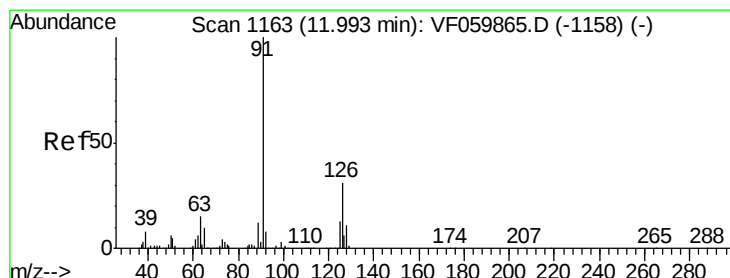
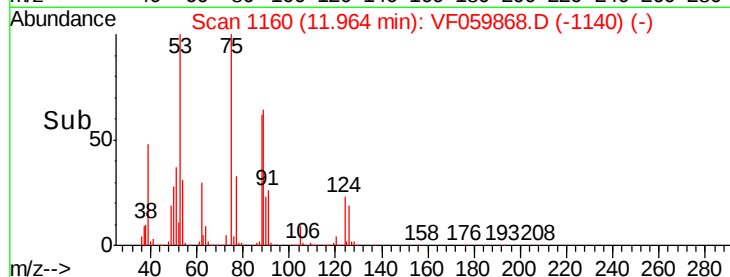
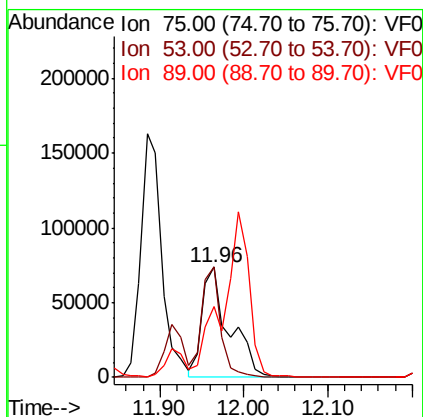
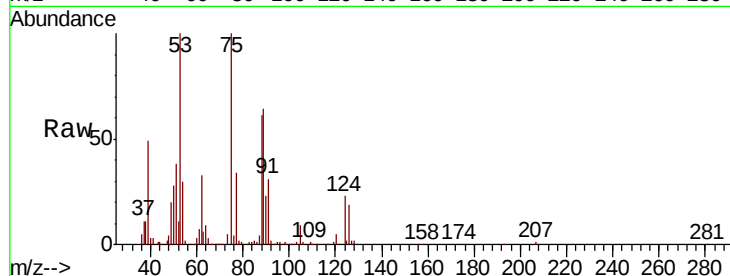
Tot Ion: 75 Resp: 163835

Ion Ratio Lower Upper

75 100

53 100.1 65.9 98.9#

89 64.4 50.6 76.0



#82

4-Chlorotoluene

Concen: 133.204 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059868.D

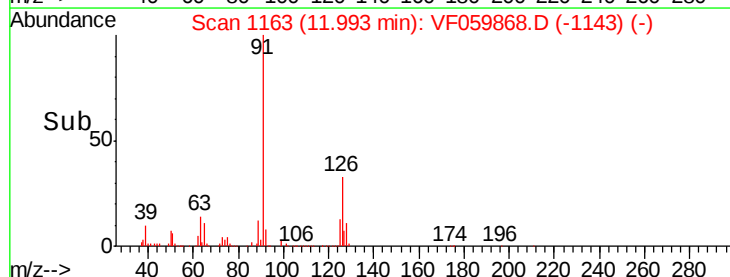
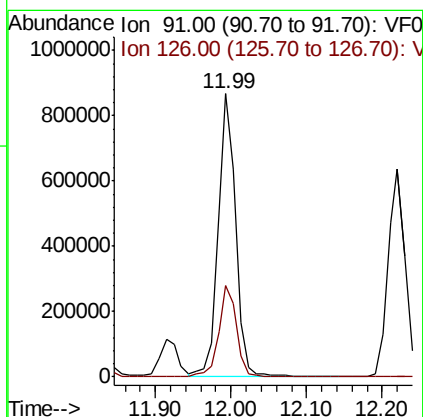
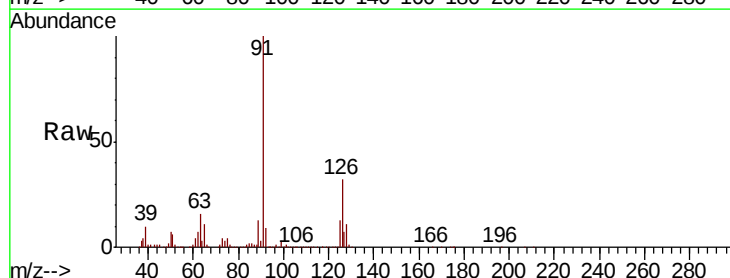
Acq: 4 Aug 2018 6:07

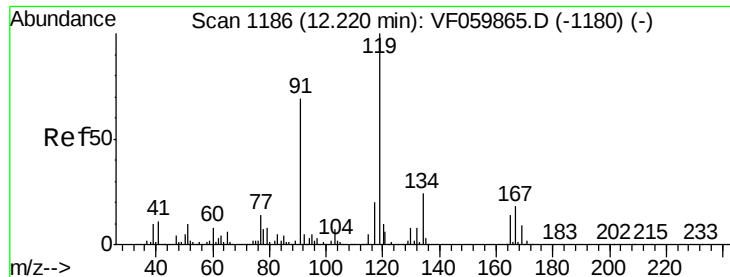
Tgt Ion: 91 Resp: 1401617

Ion Ratio Lower Upper

91 100

126 32.3 15.7 47.0





#83

tert-Butylbenzene

Concen: 124.073 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

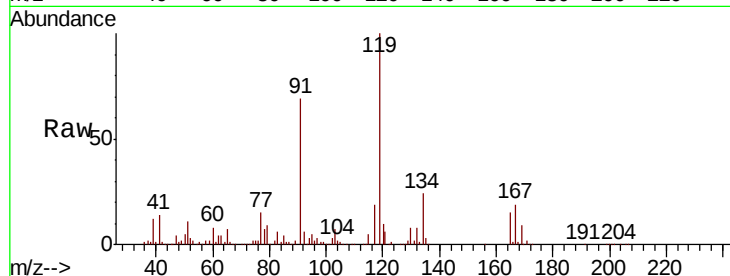
Tot Ion:119 Resp: 1508714

Ion Ratio Lower Upper

119 100

91 68.5 34.4 103.2

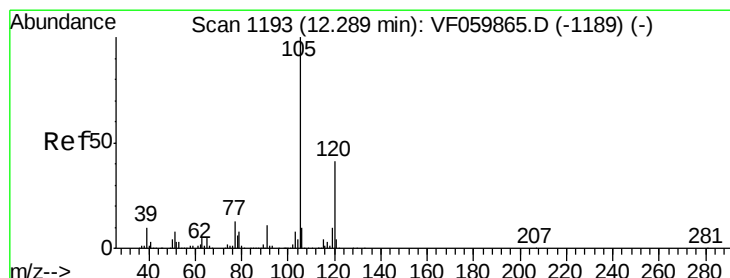
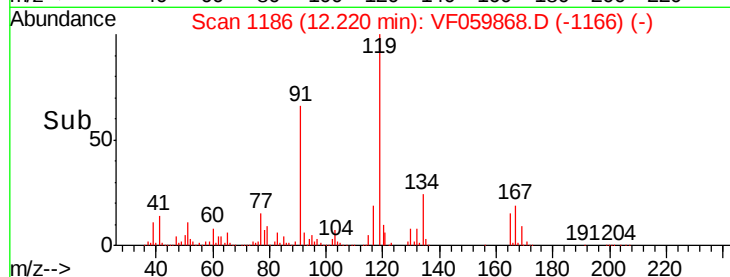
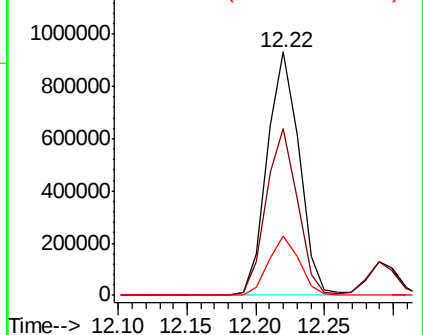
134 24.2 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 130.860 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF059868.D

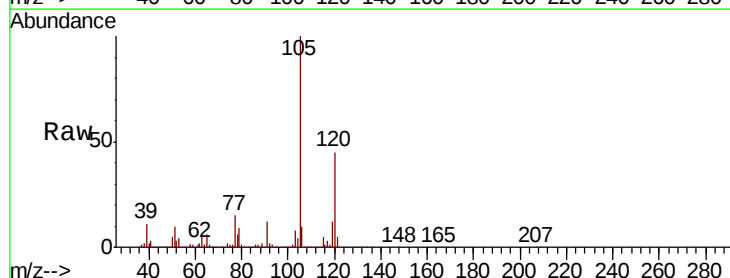
Acq: 4 Aug 2018 6:07

Tgt Ion:105 Resp: 1609479

Ion Ratio Lower Upper

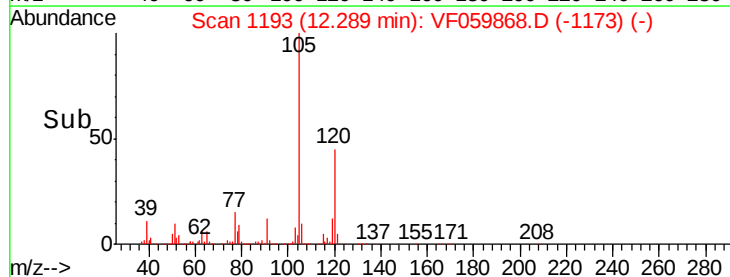
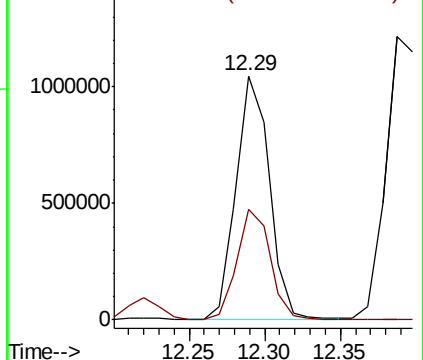
105 100

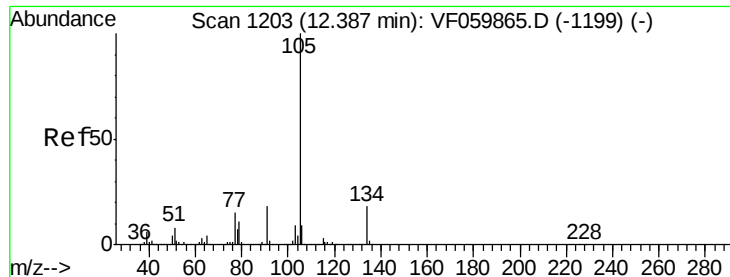
120 45.5 20.8 62.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 129.921 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

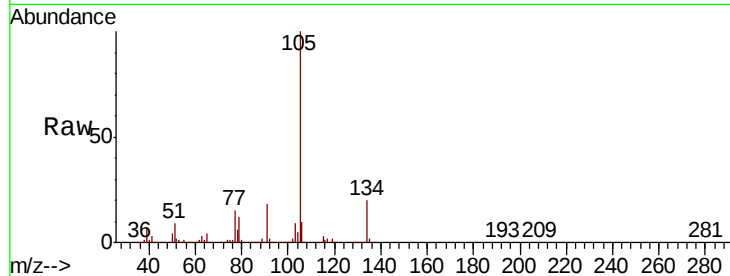
ClientSampleId :

Tot Ion:105 Resp: 2034124

Ion Ratio Lower Upper

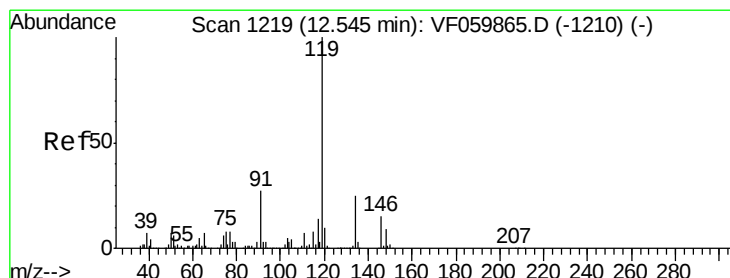
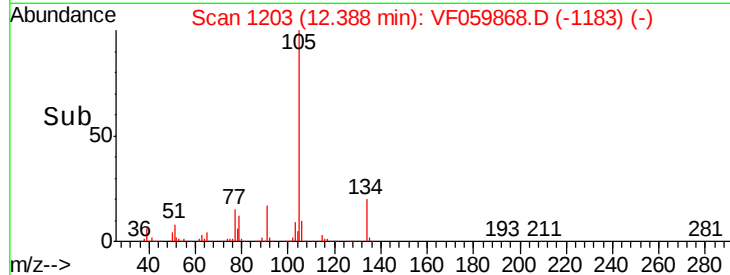
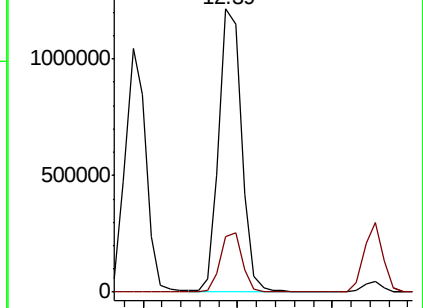
105 100

134 19.8 9.1 27.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 120.590 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

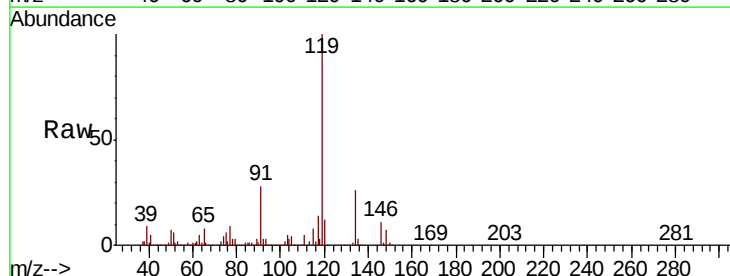
Tgt Ion:119 Resp: 1665263

Ion Ratio Lower Upper

119 100

134 25.8 12.4 37.0

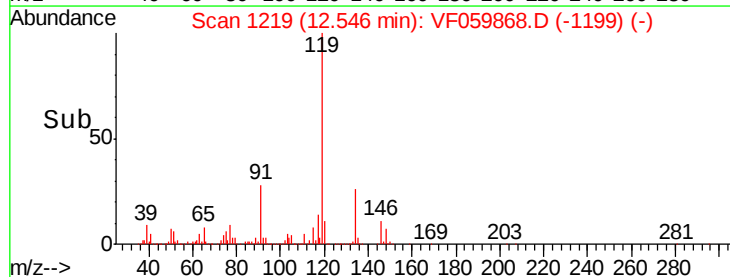
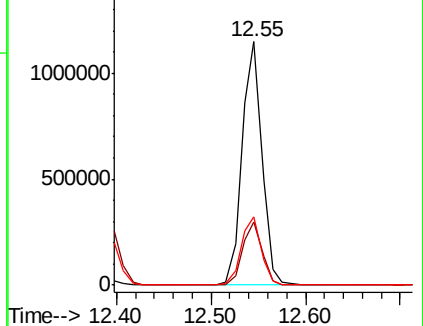
91 28.1 13.6 40.7

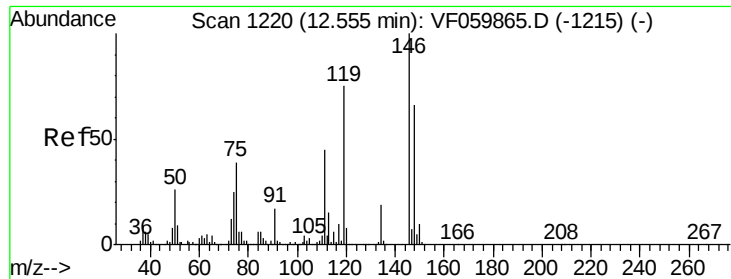


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

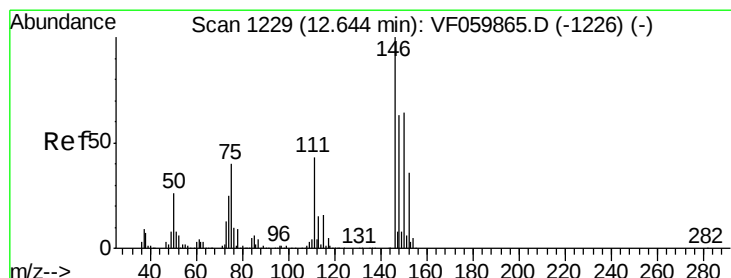
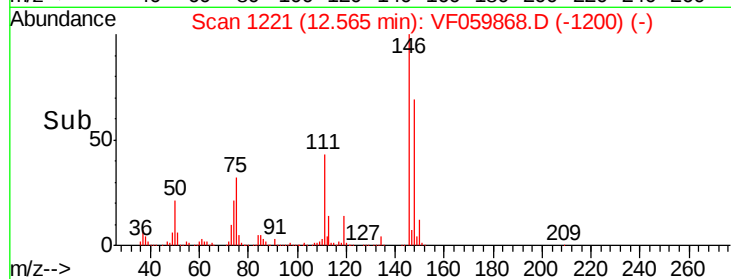
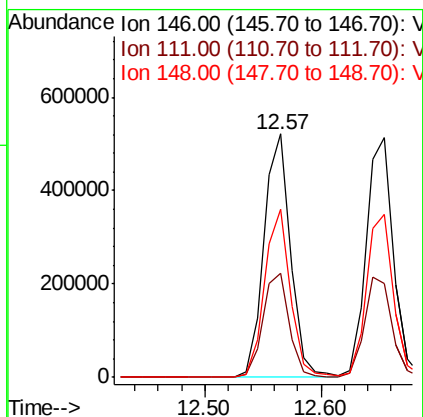
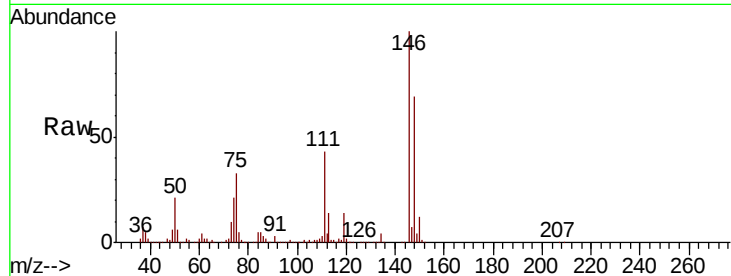




#87
 1,3-Dichlorobenzene
 Concen: 121.897 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

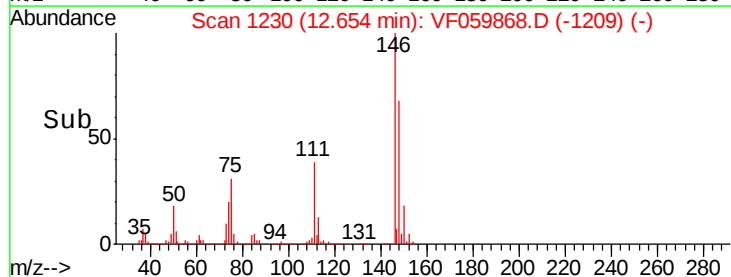
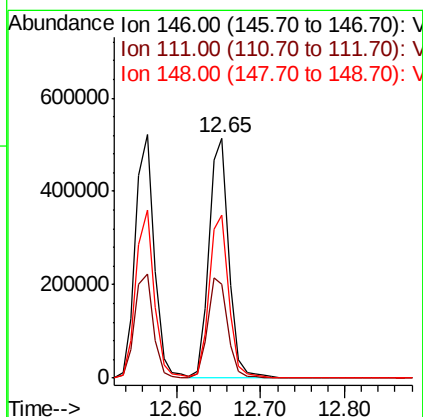
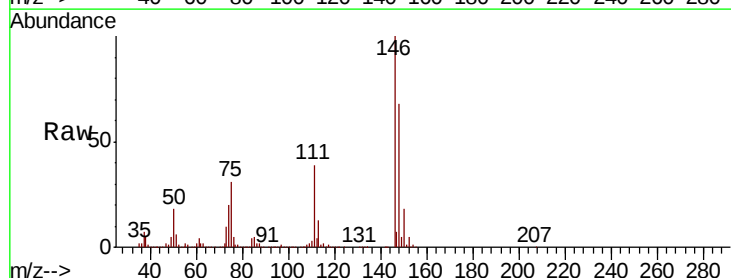
Instrument :
 MSVOA_F
 ClientSampleId :

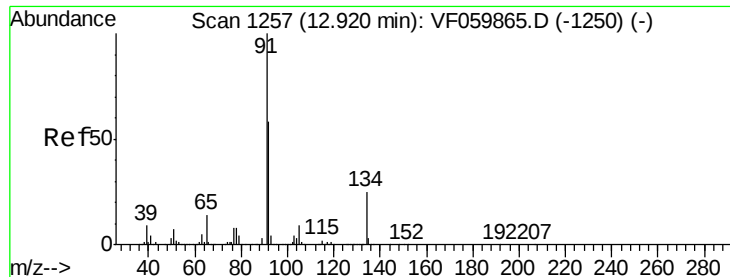
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	22.4	67.0
148	68.9	33.1	99.3



#88
 1,4-Dichlorobenzene
 Concen: 126.083 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.4	64.2
148	67.7	31.6	94.7





#89

n-Butylbenzene

Concen: 122.049 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

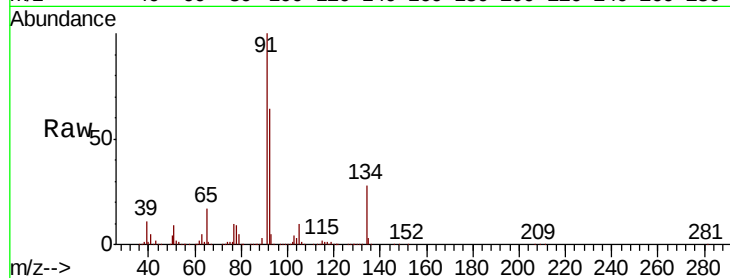
Tot Ion: 91 Resp: 1585085

Ion	Ratio	Lower	Upper
91	100		
92	64.4	28.8	86.5
134	28.1	12.6	37.6

91 100

92 64.4 28.8 86.5

134 28.1 12.6 37.6

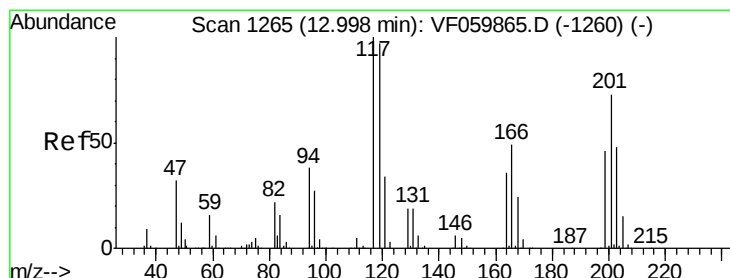
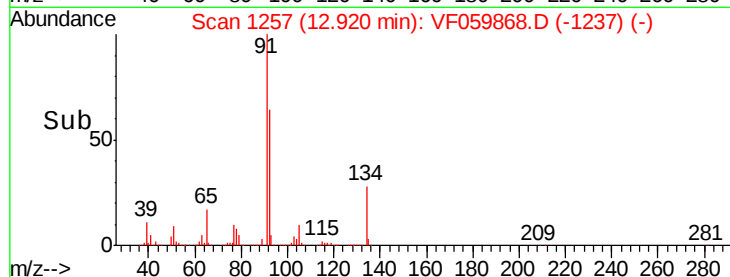
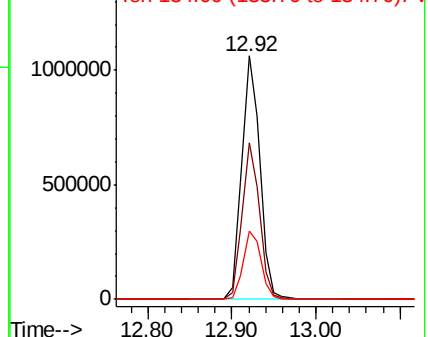


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 132.533 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF059868.D

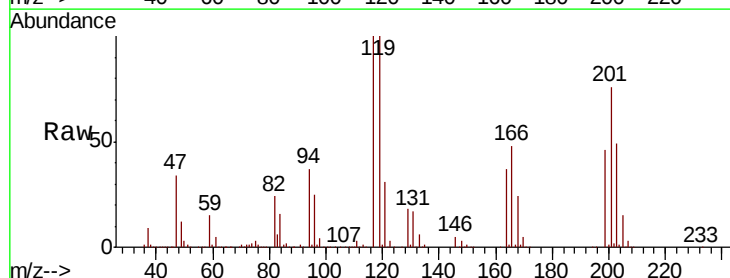
Acq: 4 Aug 2018 6:07

Tgt Ion: 117 Resp: 459398

Ion	Ratio	Lower	Upper
117	100		
201	75.7	36.6	109.8

117 100

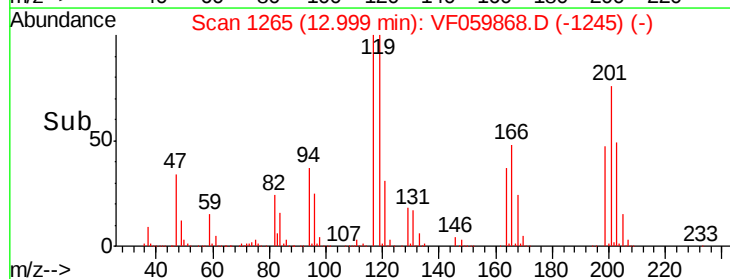
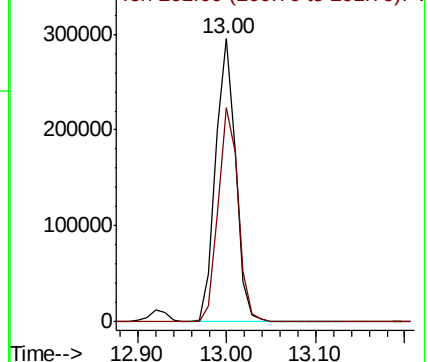
201 75.7 36.6 109.8

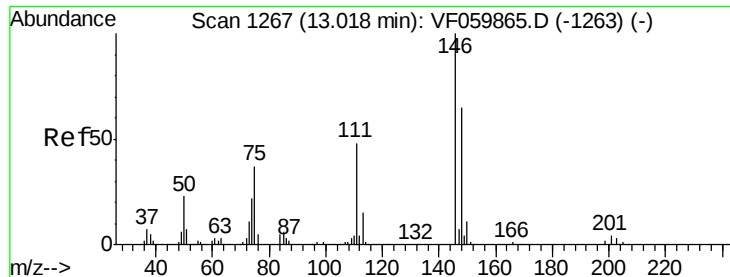


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 128.637 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

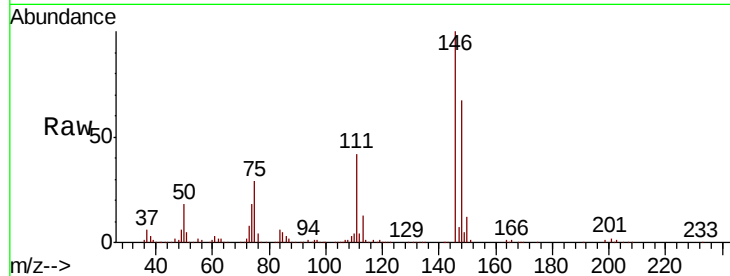
Tot Ion:146 Resp: 839877

Ion Ratio Lower Upper

146 100

111 42.0 24.1 72.2

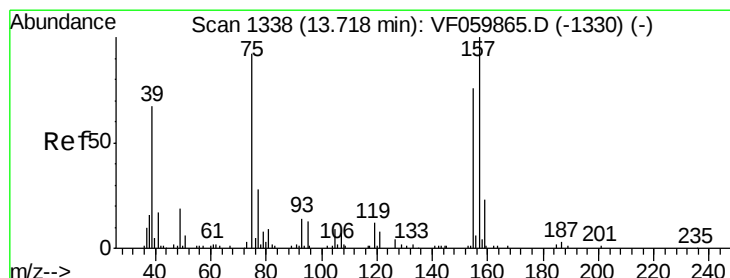
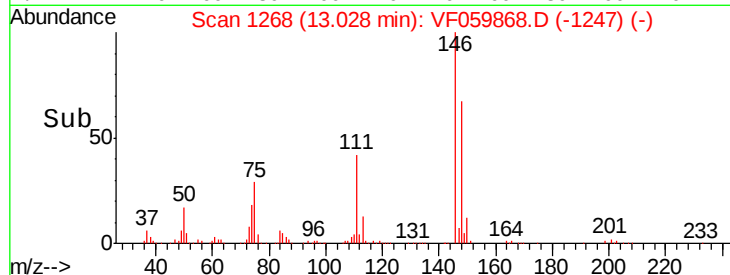
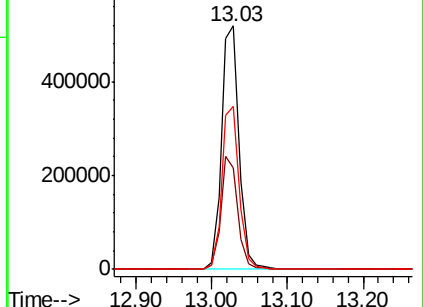
148 67.1 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 152.096 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

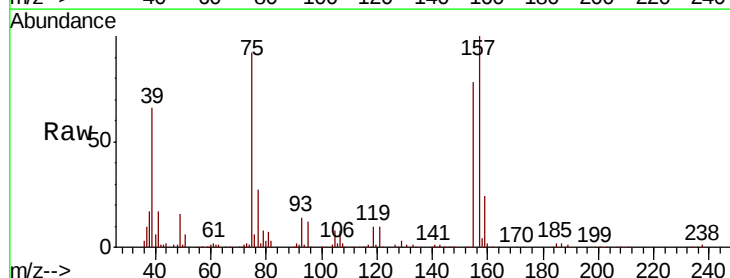
Tgt Ion: 75 Resp: 95215

Ion Ratio Lower Upper

75 100

155 85.2 41.2 123.6

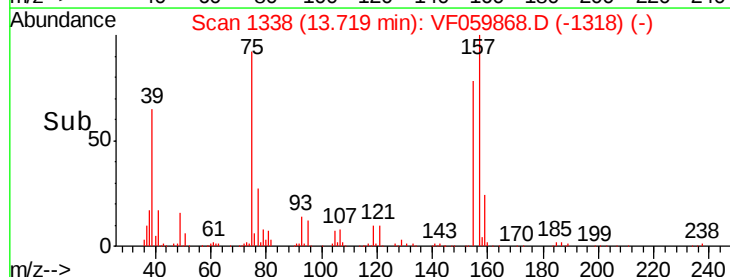
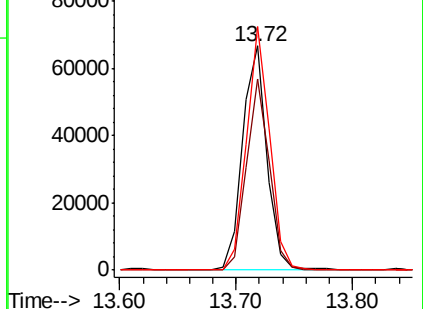
157 108.6 54.5 163.6

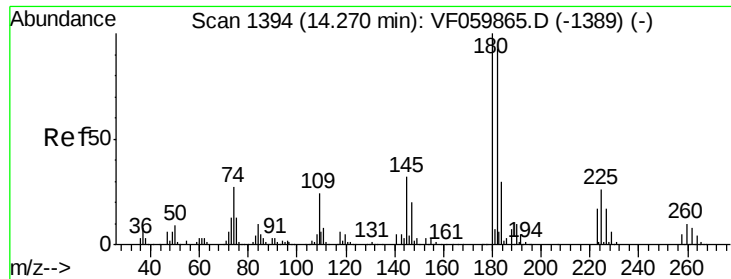


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

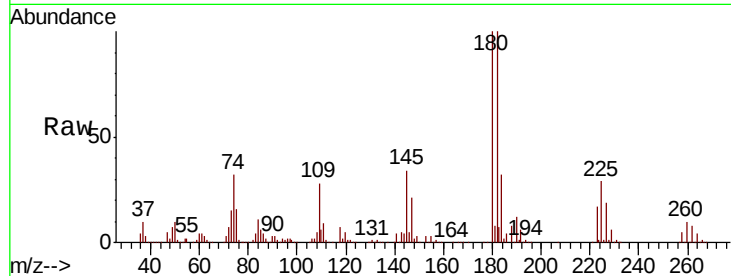




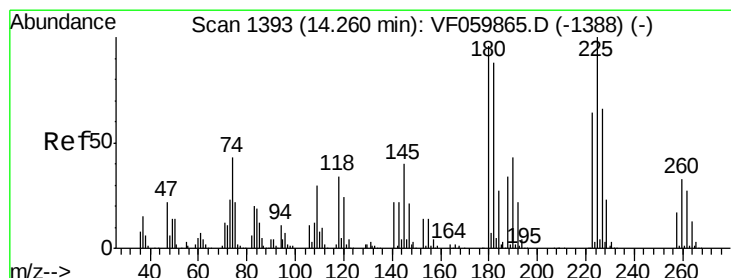
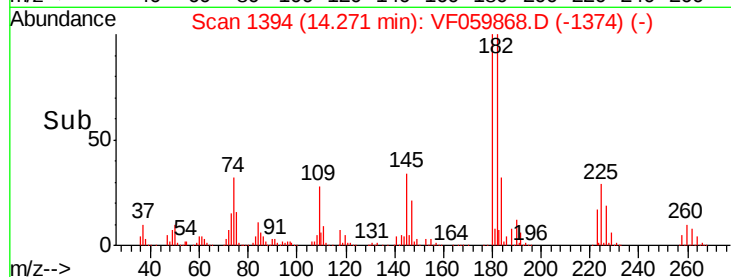
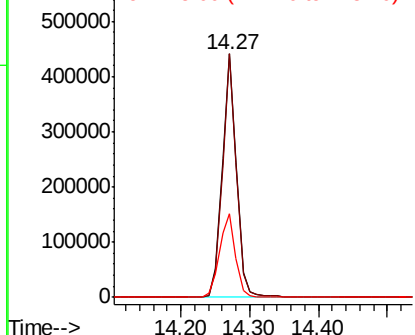
#93
 1,2,4-Trichlorobenzene
 Concen: 125.753 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 638010
 Ion Ratio Lower Upper
 180 100
 182 100.0 46.4 139.2
 145 34.3 15.9 47.7

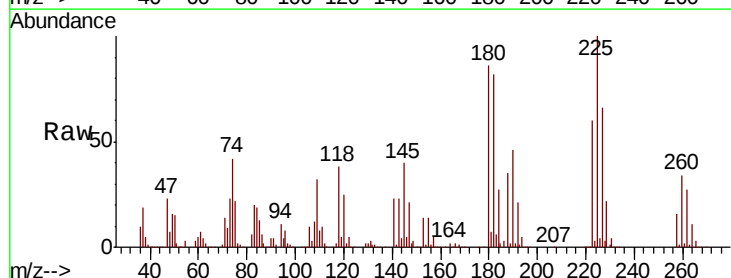


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

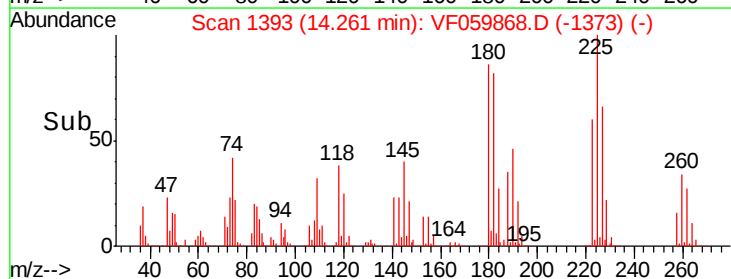
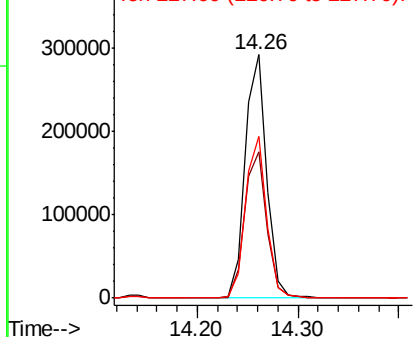


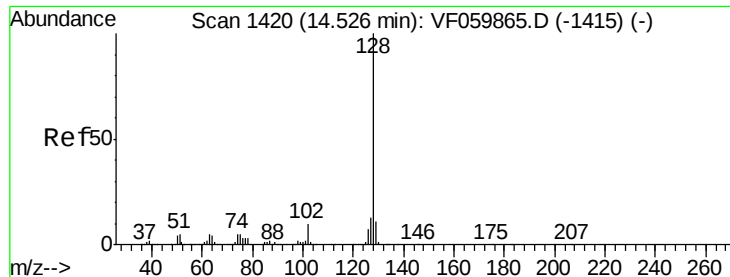
#94
 Hexachlorobutadiene
 Concen: 127.903 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Tgt Ion:225 Resp: 434955
 Ion Ratio Lower Upper
 225 100
 223 60.3 31.9 95.9
 227 66.5 32.8 98.4



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 151.418 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

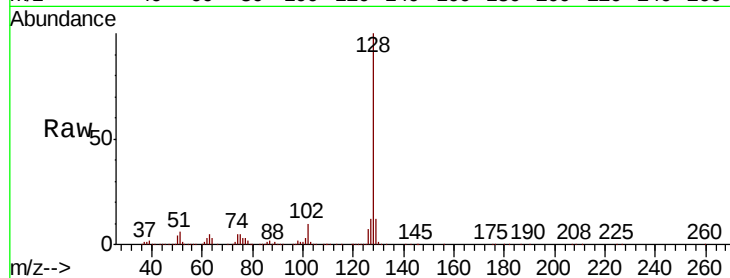
Instrument :

MSVOA_F

ClientSampled :

Tot Ion:128 Resp: 1343967

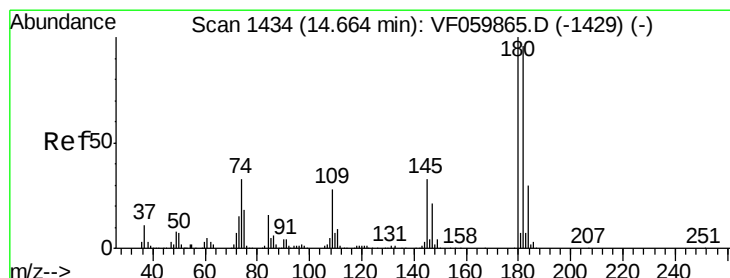
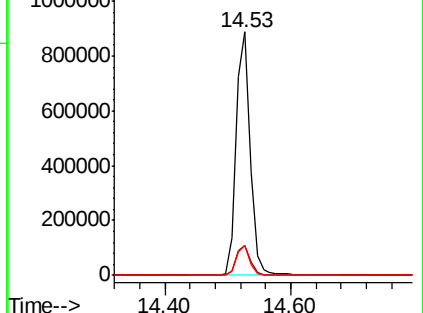
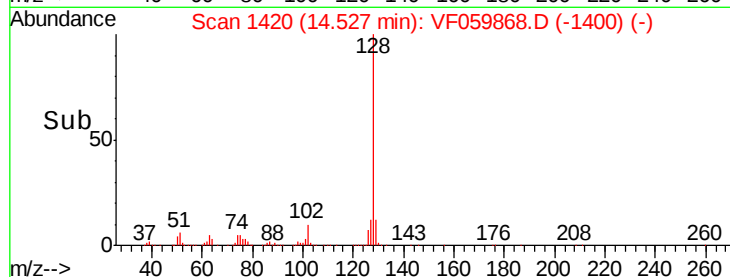
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	12.0	9.0	13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 133.049 ug/l

RT: 14.67 min Scan# 1435

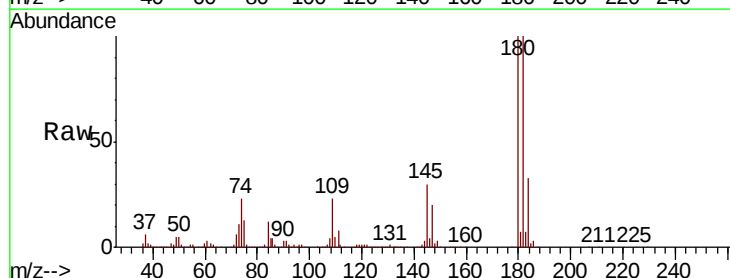
Delta R.T. 0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tgt Ion:180 Resp: 655623

Ion	Ratio	Lower	Upper
180	100		
182	99.8	48.1	144.3
145	30.3	16.6	49.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

