

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\
 Data File : VF059909.D
 Acq On : 7 Aug 2018 8:31
 Operator : VA/AP
 Sample : VF0806SBS02
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 07 10:51:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	169156	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	246419	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	253147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	162359	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	175101	57.42	ug/l	0.01
Spiked Amount	50.000		Recovery	=	114.84%	
35) Dibromofluoromethane	4.31	113	132015	53.85	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.70%	
50) Toluene-d8	7.72	98	282387	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
62) 4-Bromofluorobenzene	11.52	95	163497	55.77	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.54%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	0.99	85	65776	22.758	ug/l 95
3) Chloromethane	1.09	50	23748	17.763	ug/l 99
4) Vinyl Chloride	1.16	62	30044	21.936	ug/l 96
5) Bromomethane	1.35	94	28080	21.721	ug/l 100
6) Chloroethane	1.44	64	18740	21.785	ug/l 95
7) Trichlorofluoromethane	1.55	101	56956	15.195	ug/l 92
8) Diethyl Ether	1.70	74	12433	20.901	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	1.90	101	41969	20.289	ug/l 95
10) Methyl Iodide	1.98	142	49417	15.550	ug/l 99
11) Tert butyl alcohol	2.70	59	15929	129.493	ug/l # 89
12) 1,1-Dichloroethene	1.86	96	32504	21.512	ug/l 97
13) Acrolein	2.09	56	4602	62.426	ug/l 99
14) Allyl chloride	2.20	41	49516	19.655	ug/l 95
15) Acrylonitrile	3.07	53	22830	101.283	ug/l # 89
16) Acetone	2.34	43	63143	112.158	ug/l # 92
17) Carbon Disulfide	1.89	76	61716	15.300	ug/l # 94
18) Methyl Acetate	2.45	43	23197	24.425	ug/l # 85
19) Methyl tert-butyl Ether	2.54	73	101155	23.646	ug/l 96
20) Methylene Chloride	2.27	84	20602	9.876	ug/l # 87
21) trans-1,2-Dichloroethene	2.42	96	30581	20.374	ug/l 93
22) Diisopropyl ether	2.93	45	101415	20.926	ug/l 96
23) Vinyl Acetate	3.34	43	296085	126.202	ug/l 98
24) 1,1-Dichloroethane	3.00	63	78639	22.281	ug/l 99
25) 2-Butanone	4.52	43	68326	111.614	ug/l 97
26) 2,2-Dichloropropane	3.77	77	44586	21.700	ug/l 94
27) cis-1,2-Dichloroethene	3.63	96	38161	22.611	ug/l 98
28) Bromochloromethane	3.89	49	28896	23.186	ug/l 93
29) Tetrahydrofuran	4.27	42	25538	113.321	ug/l 96
30) Chloroform	4.05	83	108478	22.719	ug/l 98
31) Cyclohexane	3.88	56	35584	20.371	ug/l 91
32) 1,1,1-Trichloroethane	4.29	97	83173	21.774	ug/l 97
36) 1,1-Dichloropropene	4.47	75	57593	20.206	ug/l 97
37) Ethyl Acetate	4.29	43	29781	24.335	ug/l 95
38) Carbon Tetrachloride	4.19	117	100462	24.621	ug/l 96

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	42538	19.901	ug/l	91
40) Benzene	4.82	78	103966	19.388	ug/l	99
41) Methacrylonitrile	4.93	41	14036	21.732	ug/l #	82
42) 1,2-Dichloroethane	5.12	62	87725	22.227	ug/l	98
43) Isopropyl Acetate	7.12	43	26820	21.283	ug/l #	88
44) Trichloroethene	5.69	130	44125	23.245	ug/l	87
45) 1,2-Dichloropropane	6.41	63	29980	22.921	ug/l	90
46) Dibromomethane	6.27	93	28560	21.640	ug/l	93
47) Bromodichloromethane	6.56	83	79401	21.996	ug/l #	93
48) Methyl methacrylate	6.89	41	21764	22.200	ug/l	97
49) 1,4-Dioxane	6.88	88	3214	500.051	ug/l #	79
51) 4-Methyl-2-Pentanone	8.42	43	151325	117.448	ug/l	96
52) Toluene	7.79	92	80992	22.498	ug/l	84
53) t-1,3-Dichloropropene	8.44	75	64446	23.470	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	61176	21.587	ug/l	93
55) 1,1,2-Trichloroethane	8.65	97	28288	21.829	ug/l	91
56) Ethyl methacrylate	8.77	69	28773	22.245	ug/l	94
57) 1,3-Dichloropropane	9.01	76	48663	21.869	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	20256	118.149	ug/l	100
59) 2-Hexanone	9.64	43	114486	125.787	ug/l	100
60) Dibromochloromethane	8.88	129	56121	23.083	ug/l	97
61) 1,2-Dibromoethane	9.15	107	36912	23.377	ug/l	88
64) Tetrachloroethene	8.32	164	45892	21.015	ug/l	95
65) Chlorobenzene	9.95	112	106077	20.644	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	53201	20.814	ug/l	94
67) Ethyl Benzene	10.05	91	192249	21.476	ug/l	99
68) m/p-Xylenes	10.28	106	129731	41.924	ug/l	99
69) o-Xylene	10.84	106	68145	20.788	ug/l	93
70) Styrene	10.91	104	101066	20.661	ug/l	96
71) Bromoform	10.90	173	35197	22.469	ug/l	98
73) Isopropylbenzene	11.23	105	227369	22.484	ug/l	100
74) N-amyl acetate	11.47	43	53426	23.045	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.80	83	43884	23.113	ug/l	89
76) 1,2,3-Trichloropropane	11.90	75	36984	22.679	ug/l	87
77) Bromobenzene	11.60	156	61334	22.302	ug/l	90
78) n-propylbenzene	11.70	91	263961	22.102	ug/l	100
79) 2-Chlorotoluene	11.82	91	169322	22.413	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	214747	22.869	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.96	75	19823	33.842	ug/l	84
82) 4-Chlorotoluene	11.99	91	183919	22.421	ug/l	94
83) tert-Butylbenzene	12.22	119	208421	22.802	ug/l	98
84) 1,2,4-Trimethylbenzene	12.30	105	220918	22.875	ug/l	99
85) sec-Butylbenzene	12.40	105	268405	22.099	ug/l	97
86) p-Isopropyltoluene	12.55	119	244550	23.956	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	118928	22.823	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	113464	22.181	ug/l	97
89) n-Butylbenzene	12.93	91	221100	22.726	ug/l	98
90) Hexachloroethane	13.00	117	61355	21.781	ug/l	91
91) 1,2-Dichlorobenzene	13.03	146	119257	23.783	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.72	75	12037	25.148	ug/l	83

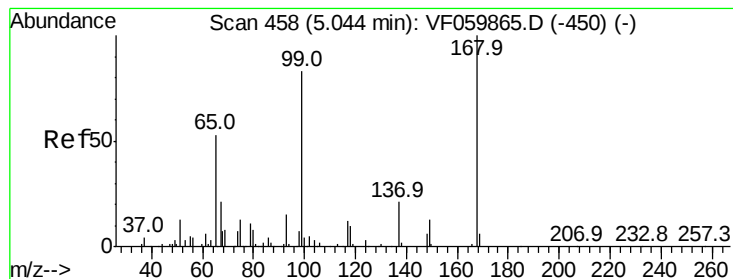
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080718\
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Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	89563	23.525	ug/l	97
94) Hexachlorobutadiene	14.26	225	60197	22.382	ug/l	96
95) Naphthalene	14.53	128	151285	22.952	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	90404	24.045	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

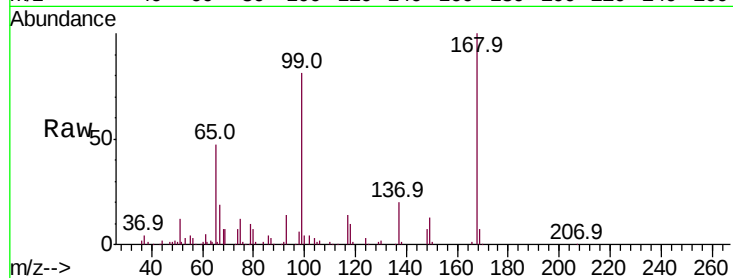
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 169156

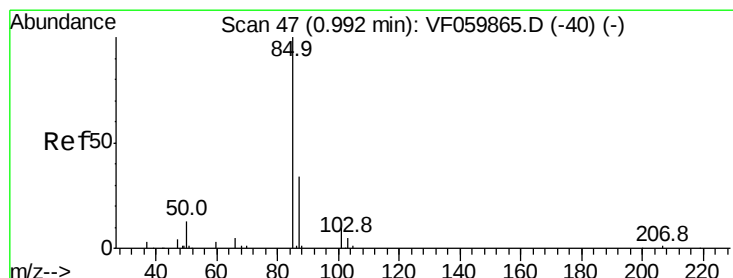
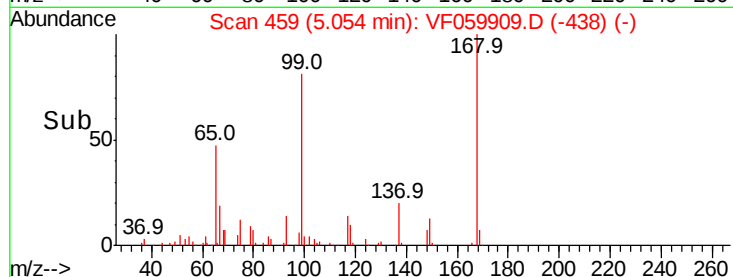
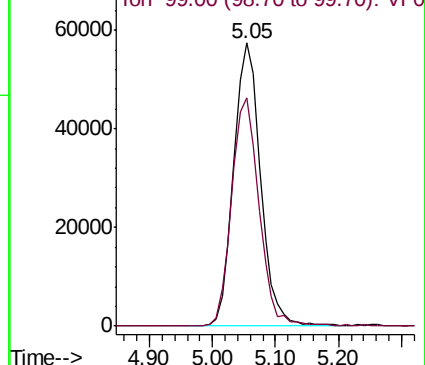
Ion Ratio Lower Upper

168 100

99 80.8 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 22.758 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF059909.D

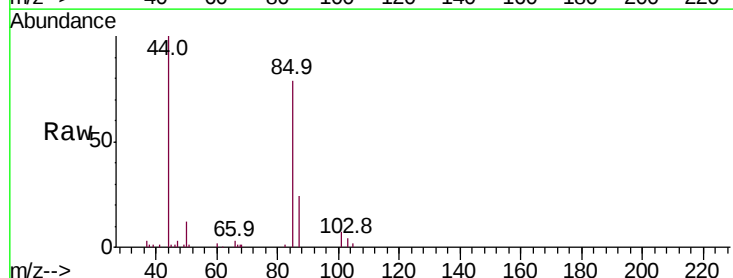
Acq: 7 Aug 2018 8:31

Tgt Ion: 85 Resp: 65776

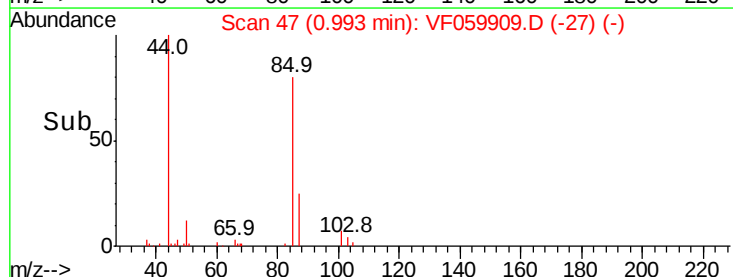
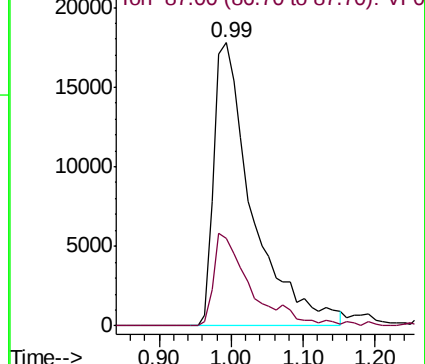
Ion Ratio Lower Upper

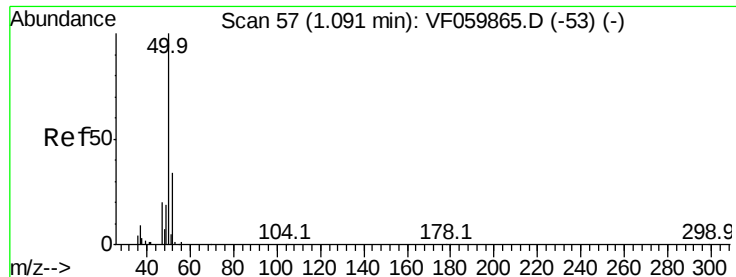
85 100

87 31.0 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 17.763 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

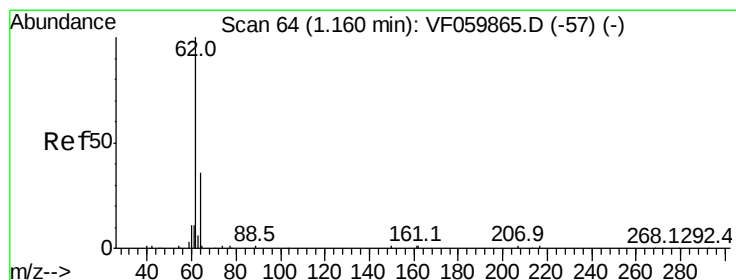
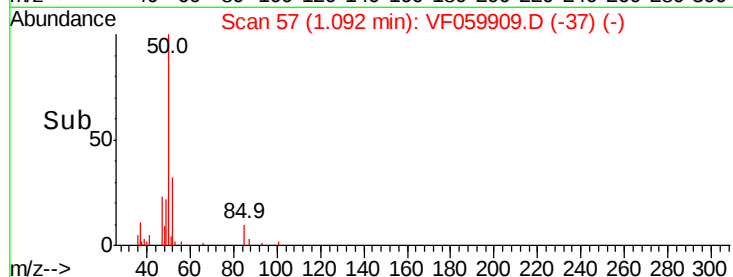
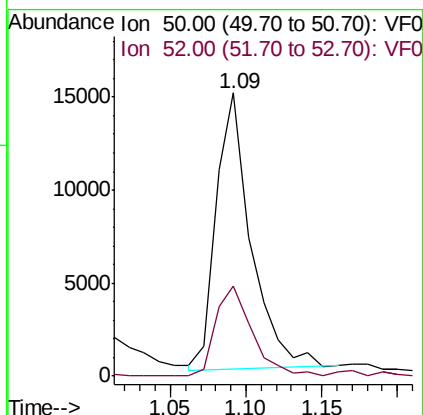
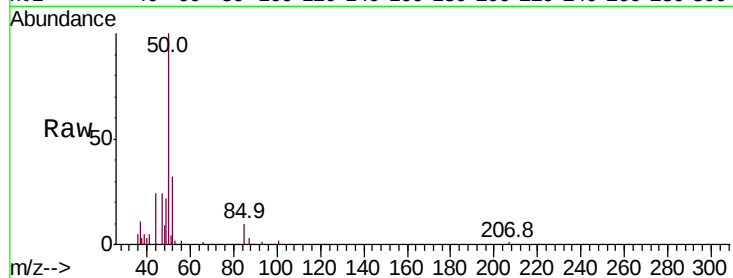
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 23748

Ion Ratio Lower Upper

50 100

52 32.0 25.8 38.8



#4

Vinyl Chloride

Concen: 21.936 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF059909.D

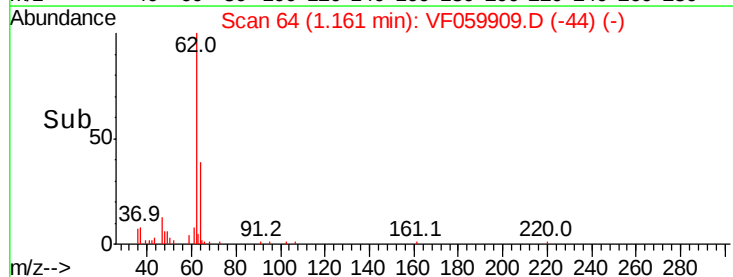
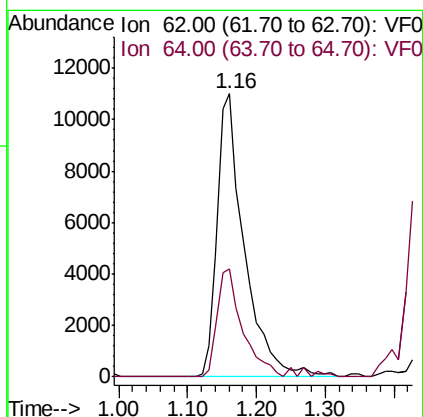
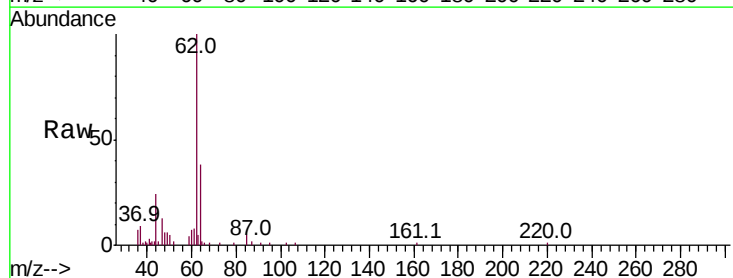
Acq: 7 Aug 2018 8:31

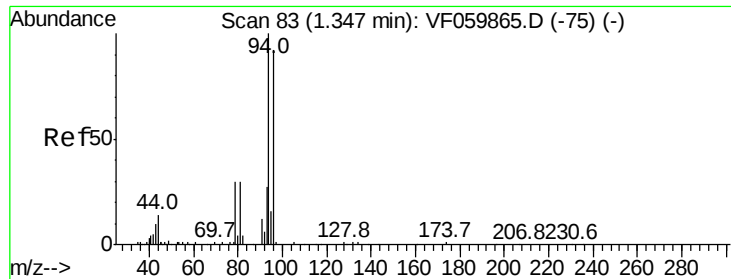
Tgt Ion: 62 Resp: 30044

Ion Ratio Lower Upper

62 100

64 38.2 28.5 42.7





#5

Bromomethane

Concen: 21.721 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

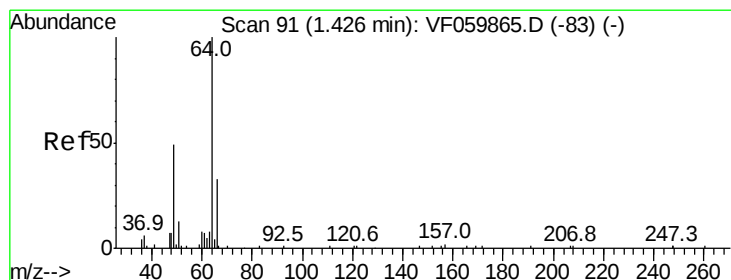
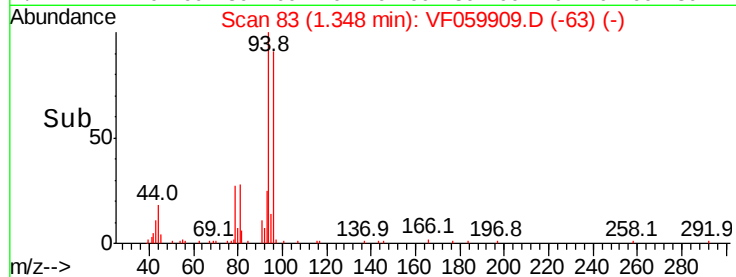
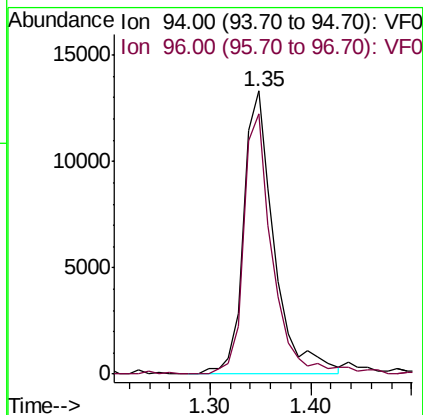
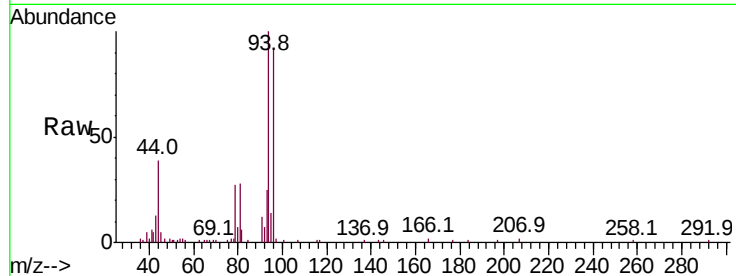
ClientSampled :

Tot Ion: 94 Resp: 28080

Ion Ratio Lower Upper

94 100

96 91.9 73.8 110.8



#6

Chloroethane

Concen: 21.785 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.01 min

Lab File: VF059909.D

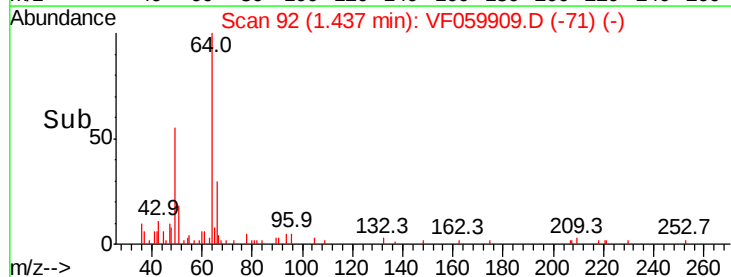
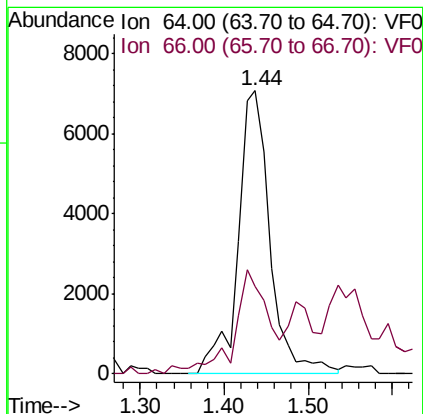
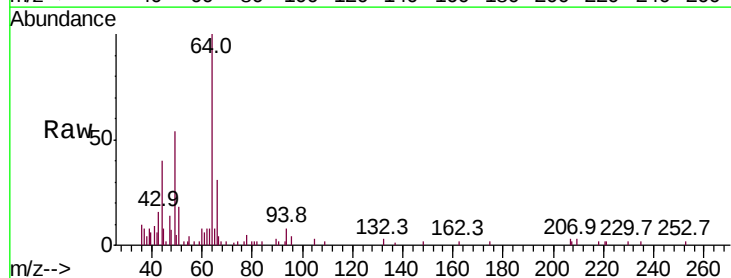
Acq: 7 Aug 2018 8:31

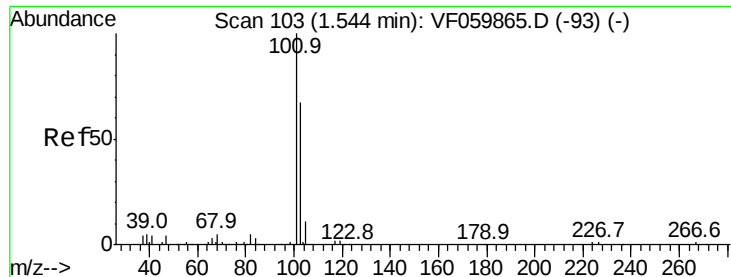
Tgt Ion: 64 Resp: 18740

Ion Ratio Lower Upper

64 100

66 30.9 26.9 40.3



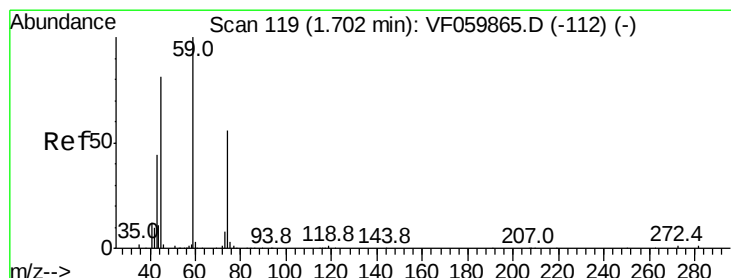
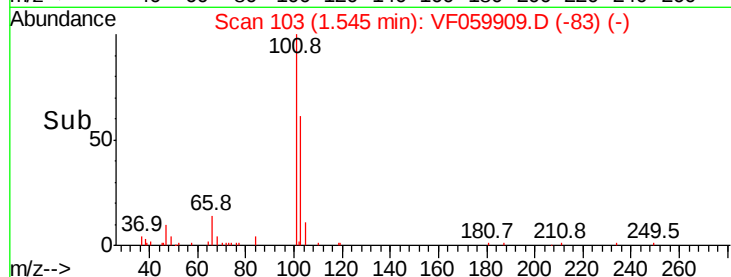
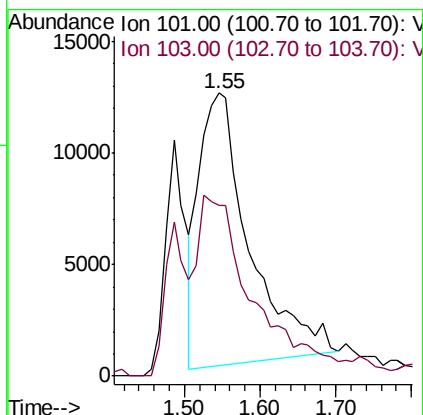
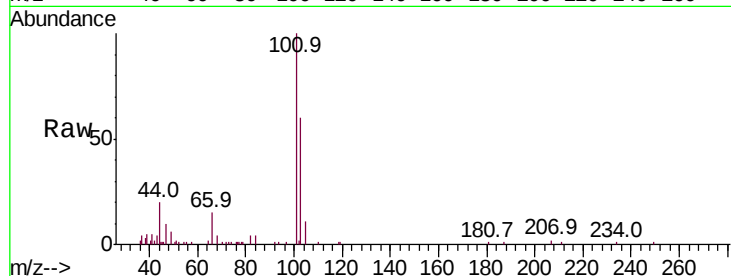


#7

Trichlorofluoromethane
 Concen: 15.195 ug/l
 RT: 1.55 min Scan# 103
 Delta R.T. 0.00 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Instrument :
 MSVOA_F
 ClientSampled :

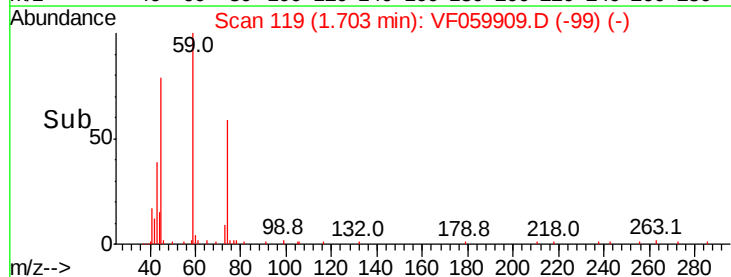
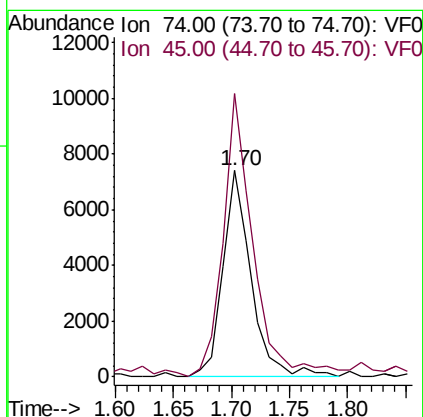
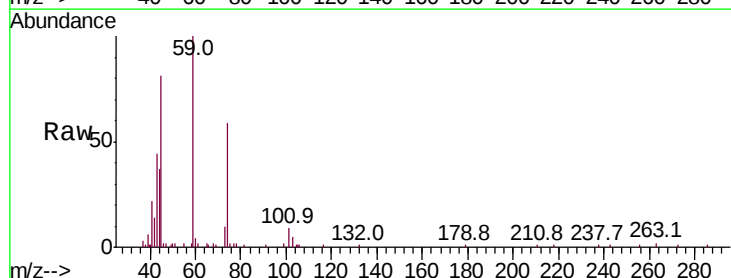
Tot Ion:101 Resp: 56956
 Ion Ratio Lower Upper
 101 100
 103 60.4 53.6 80.4

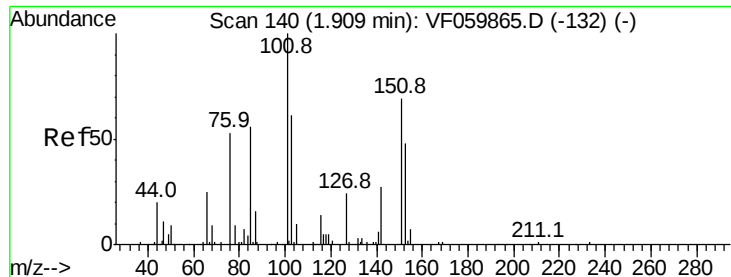


#8

Diethyl Ether
 Concen: 20.901 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Tgt Ion: 74 Resp: 12433
 Ion Ratio Lower Upper
 74 100
 45 137.3 73.6 220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.289 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

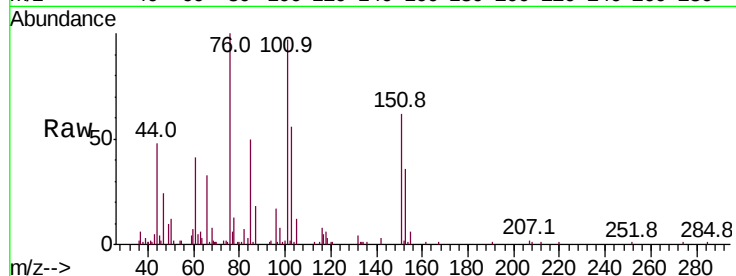
Tot Ion:101 Resp: 41969

Ion Ratio Lower Upper

101 100

85 51.9 44.5 66.7

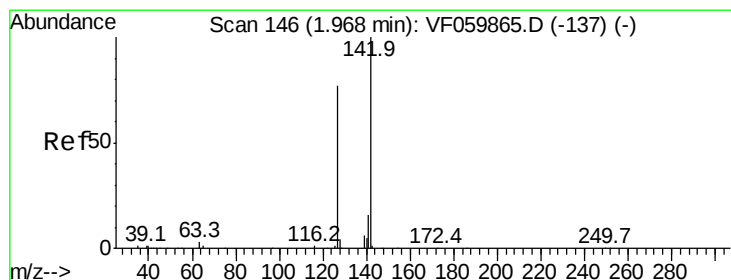
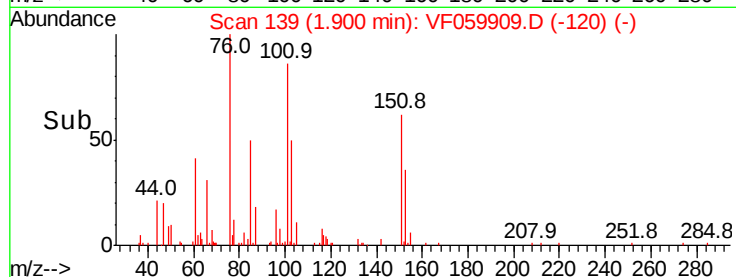
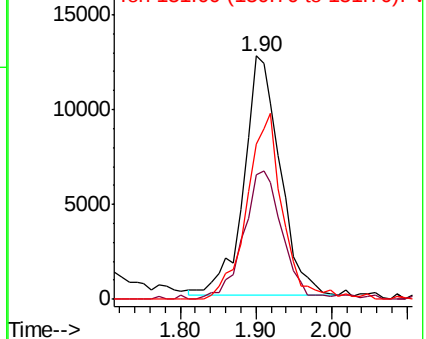
151 64.0 53.8 80.8



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: 15.550 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

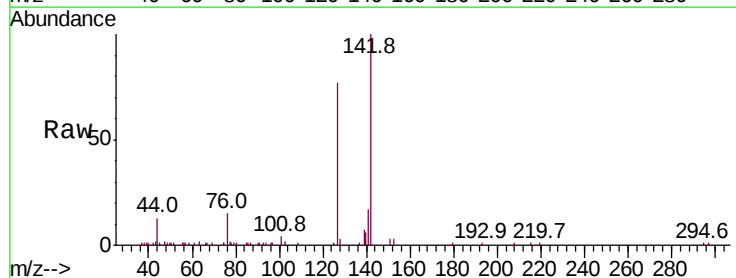
Tgt Ion:142 Resp: 49417

Ion Ratio Lower Upper

142 100

127 76.6 61.5 92.3

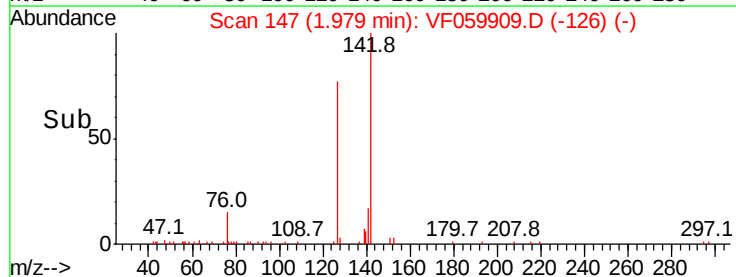
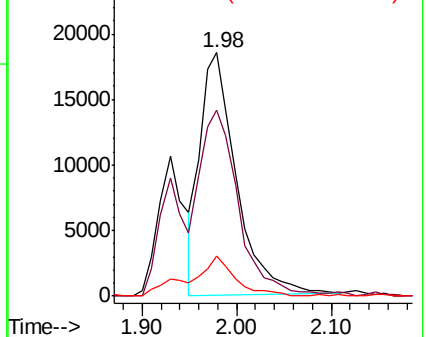
141 16.7 13.0 19.4

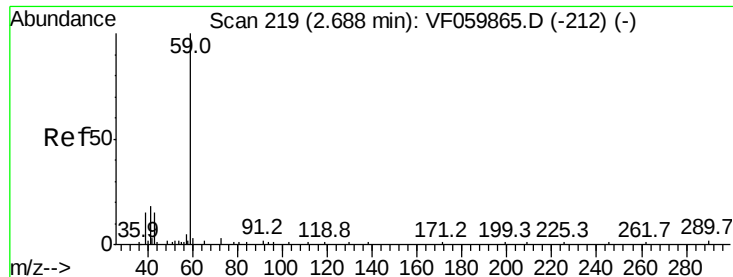


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



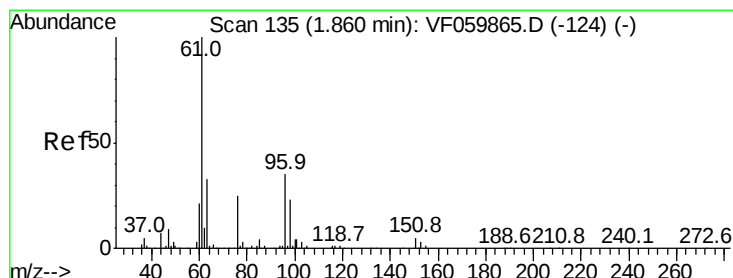
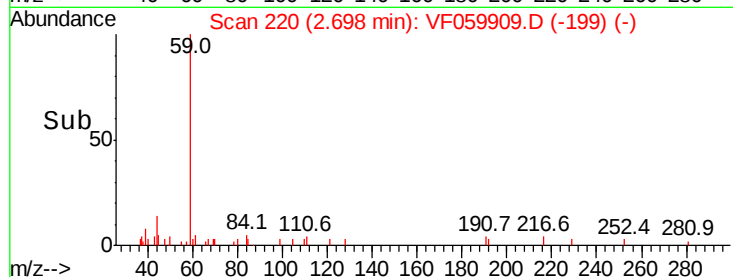
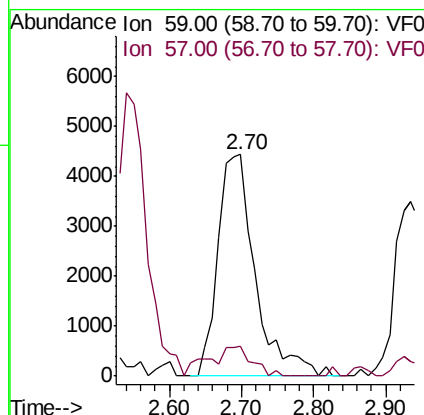
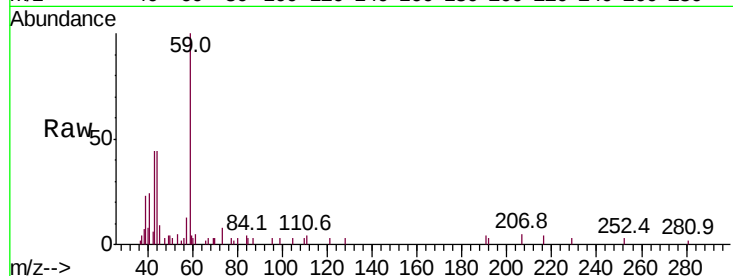


#11

Tert butyl alcohol
Concen: 129.493 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :

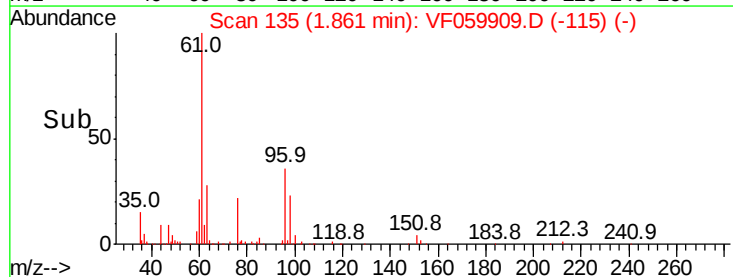
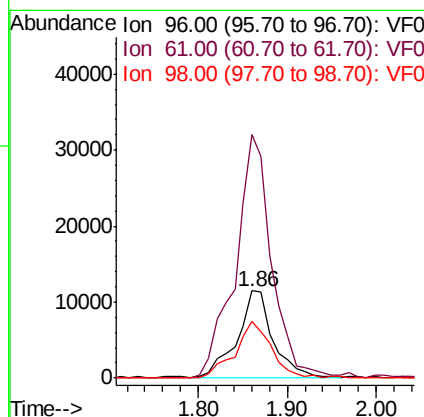
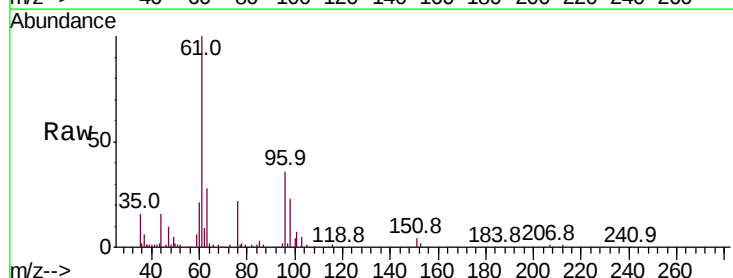
Tot Ion: 59 Resp: 15929
Ion Ratio Lower Upper
59 100
57 13.4 7.6 11.4#

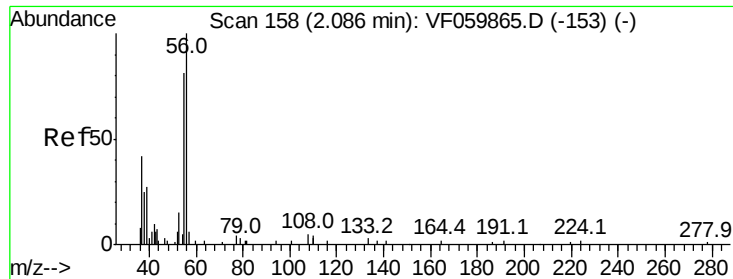


#12

1,1-Dichloroethene
Concen: 21.512 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion: 96 Resp: 32504
Ion Ratio Lower Upper
96 100
61 280.2 230.2 345.2
98 65.1 52.7 79.1





#13

Acrolein

Concen: 62.426 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

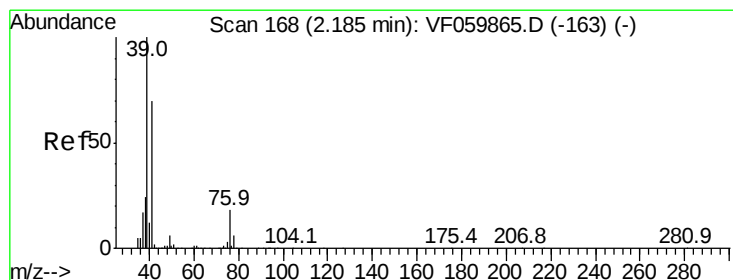
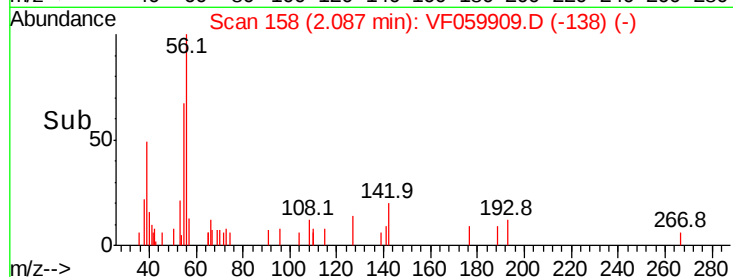
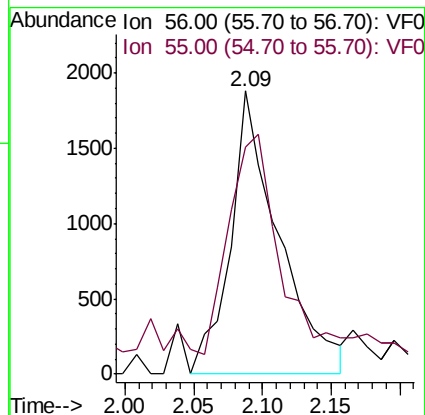
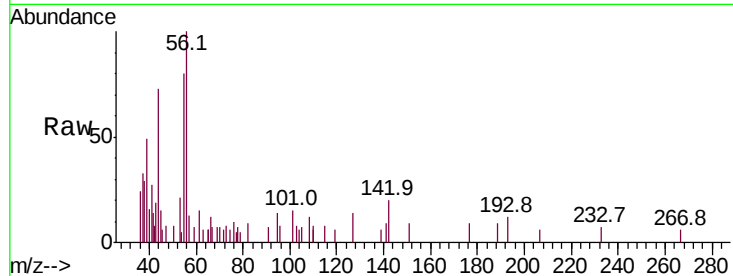
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 4602

Ion Ratio Lower Upper

56 100

55 80.1 64.6 96.8



#14

Allyl chloride

Concen: 19.655 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

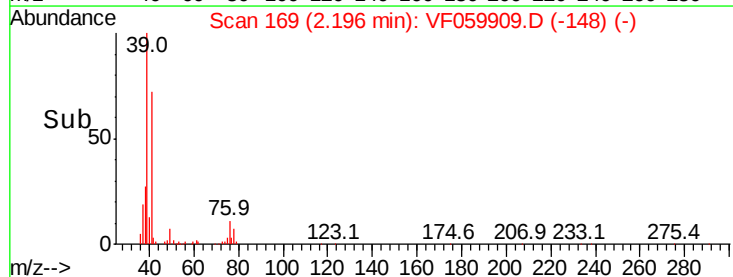
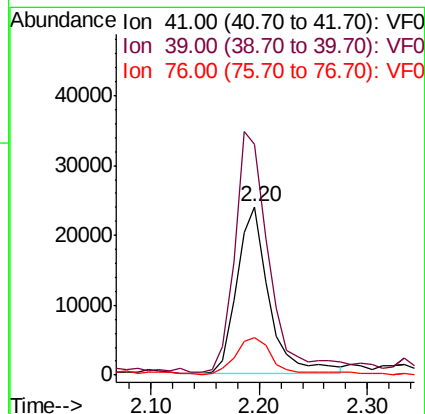
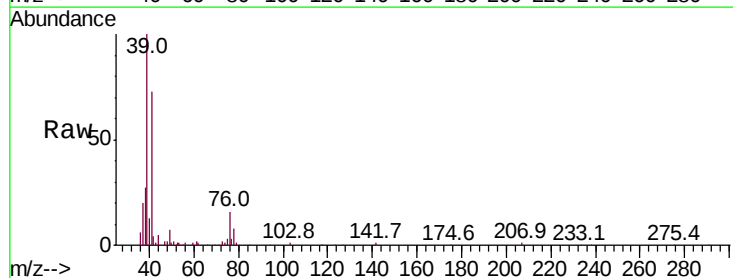
Tgt Ion: 41 Resp: 49516

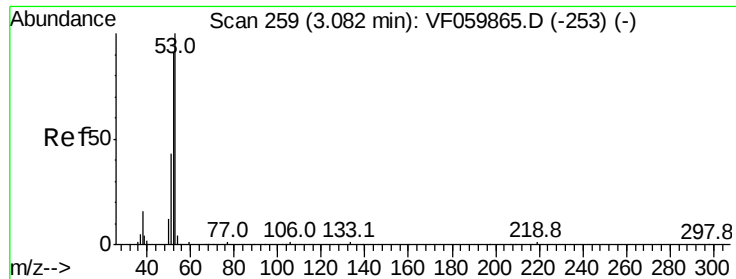
Ion Ratio Lower Upper

41 100

39 137.1 114.6 171.8

76 22.2 21.0 31.4





#15

Acrylonitrile

Concen: 101.283 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :

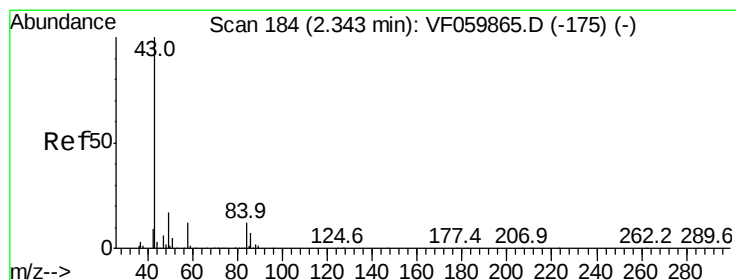
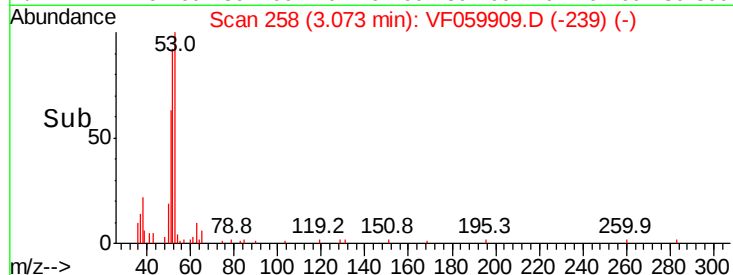
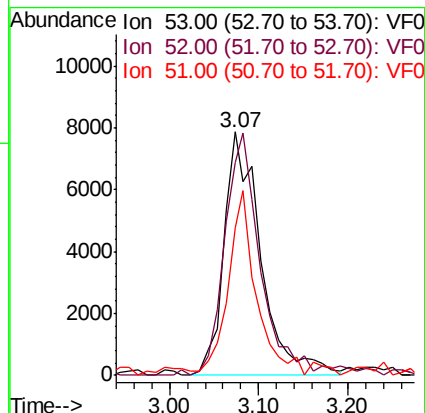
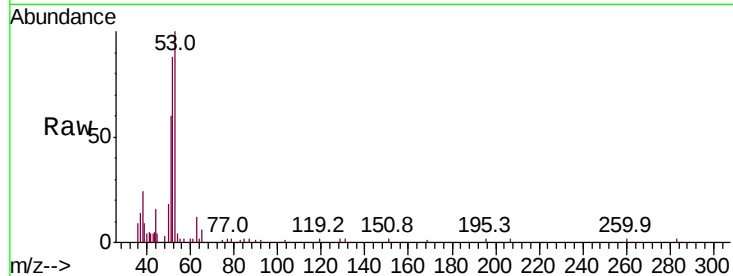
Tot Ion: 53 Resp: 22830

Ion Ratio Lower Upper

53 100

52 87.6 72.9 109.3

51 60.5 34.5 51.7#



#16

Acetone

Concen: 112.158 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF059909.D

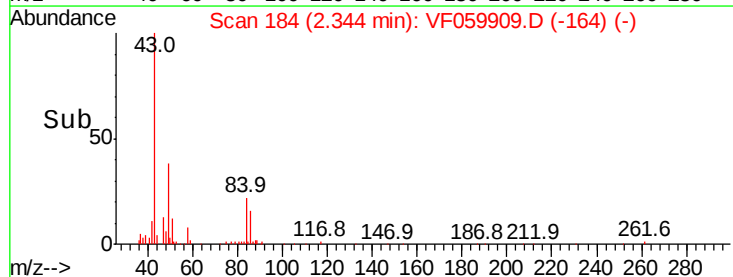
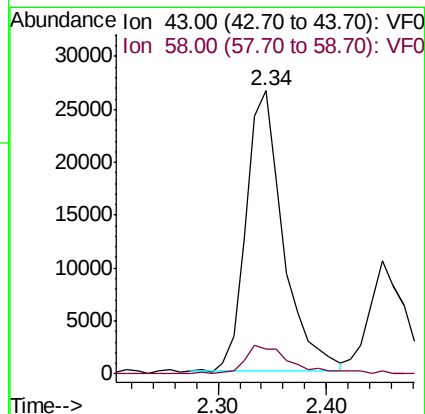
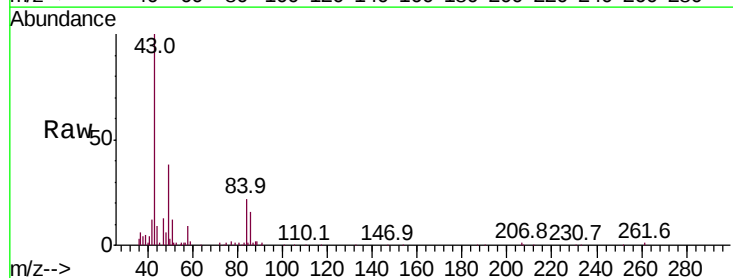
Acq: 7 Aug 2018 8:31

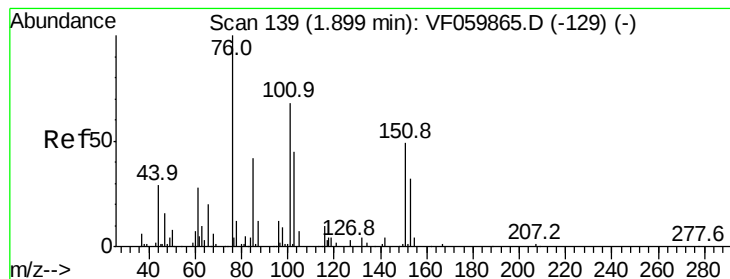
Tgt Ion: 43 Resp: 63143

Ion Ratio Lower Upper

43 100

58 8.6 9.4 14.0#





#17

Carbon Disulfide

Concen: 15.300 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

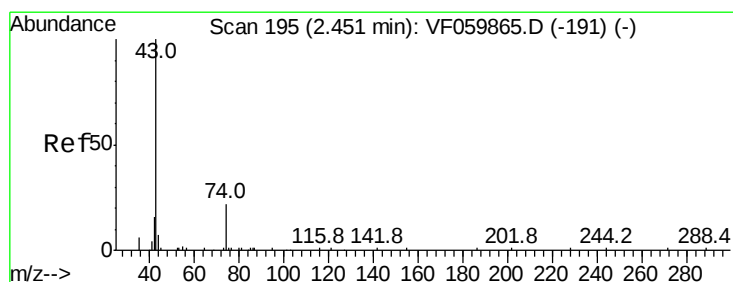
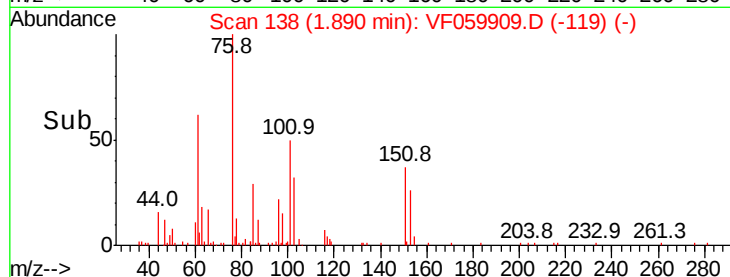
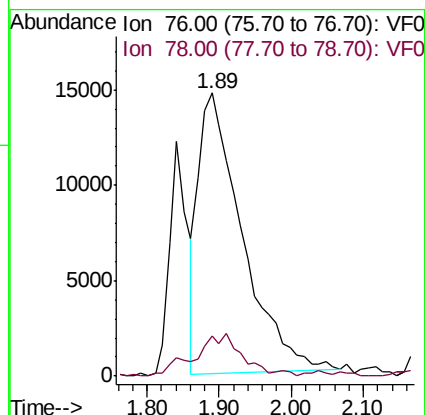
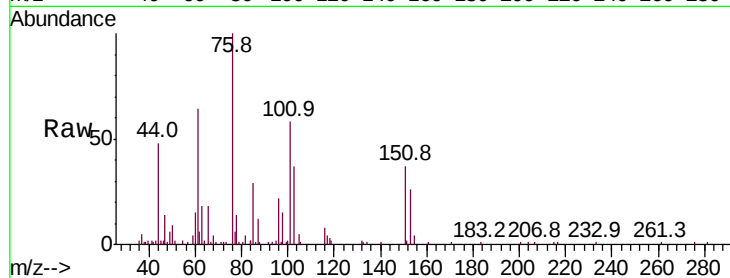
ClientSampleId :

Tot Ion: 76 Resp: 61716

Ion Ratio Lower Upper

76 100

78 14.1 9.3 13.9#



#18

Methyl Acetate

Concen: 24.425 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF059909.D

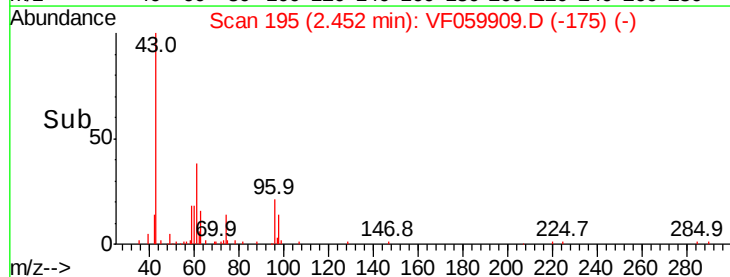
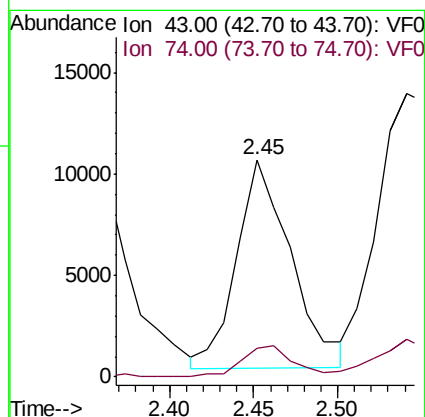
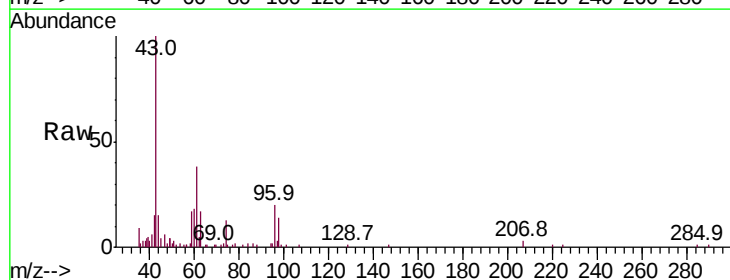
Acq: 7 Aug 2018 8:31

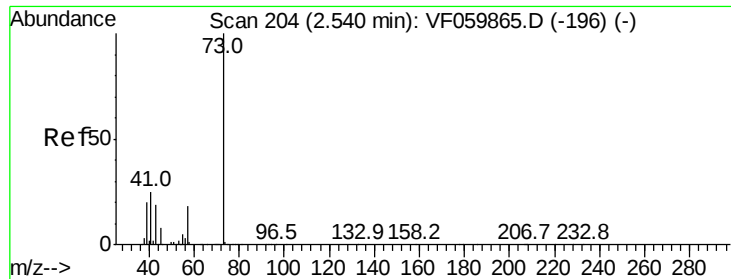
Tgt Ion: 43 Resp: 23197

Ion Ratio Lower Upper

43 100

74 13.3 16.3 24.5#

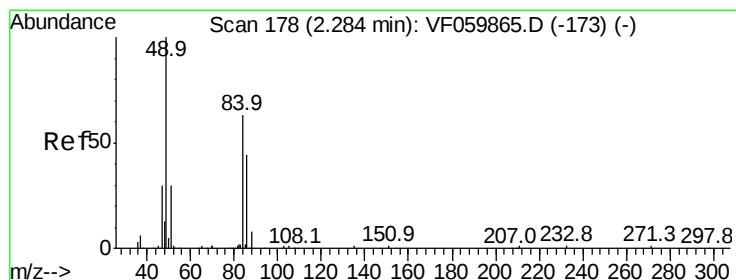
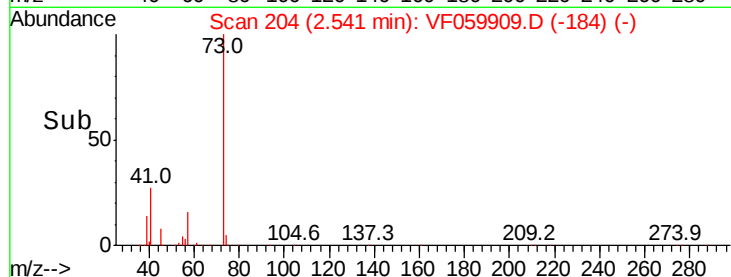
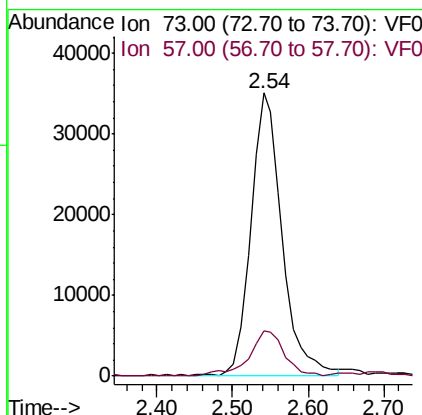
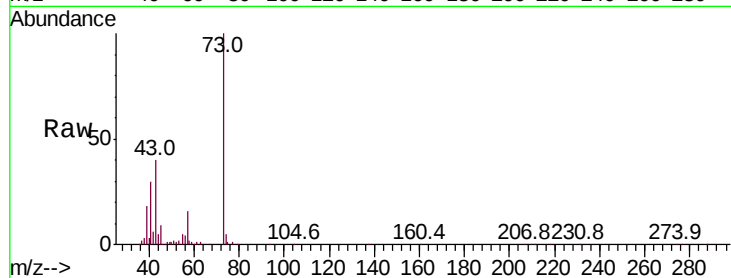




#19
Methvl tert-butvl Ether
Concen: 23.646 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

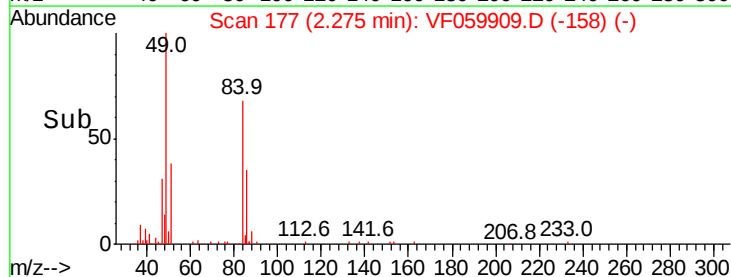
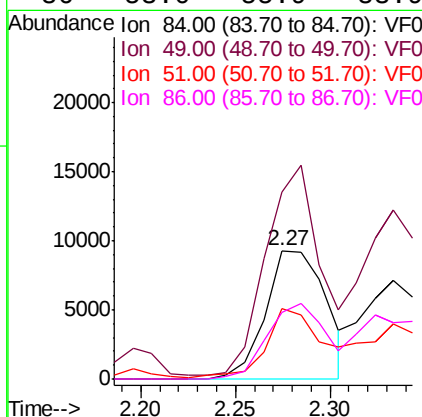
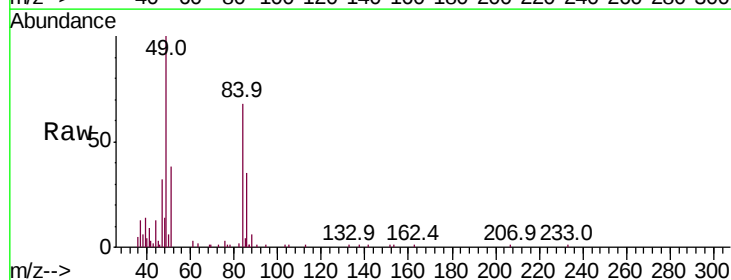
Instrument :
MSVOA_F
ClientSampleId :

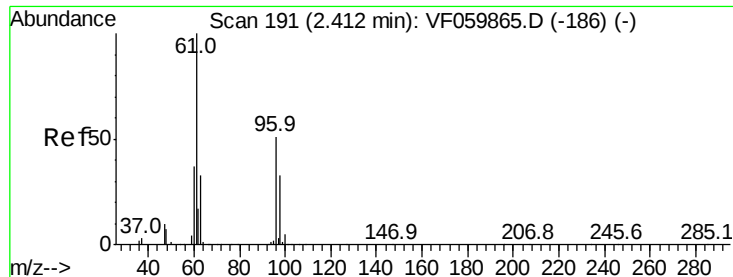
Tot Ion: 73 Resp: 101155
Ion Ratio Lower Upper
73 100
57 16.2 14.3 21.5



#20
Methylene Chloride
Concen: 9.876 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion: 84 Resp: 20602
Ion Ratio Lower Upper
84 100
49 146.2 128.7 193.1
51 55.0 39.3 58.9
86 53.0 55.9 83.9#





#21

trans-1,2-Dichloroethene

Concen: 20.374 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :

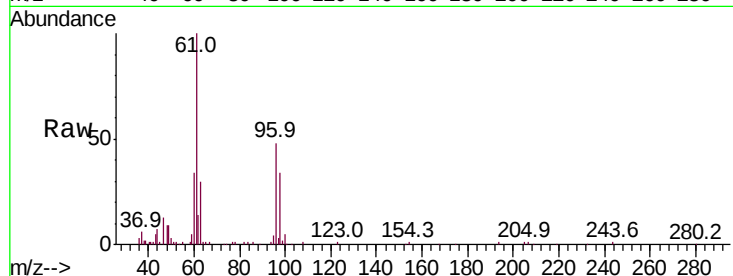
Tot Ion: 96 Resp: 30581

Ion Ratio Lower Upper

96 100

61 207.9 158.2 237.4

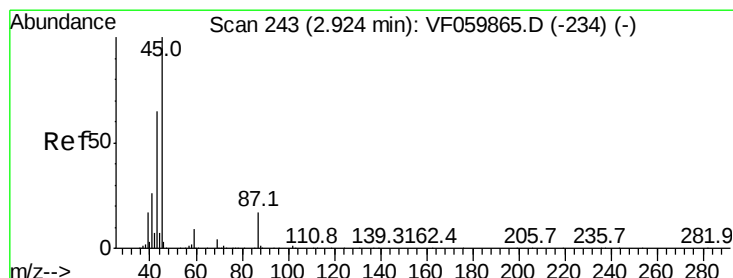
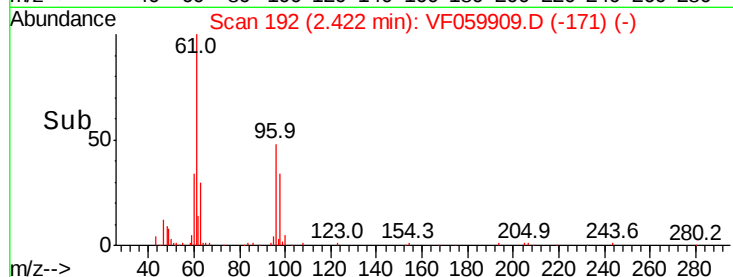
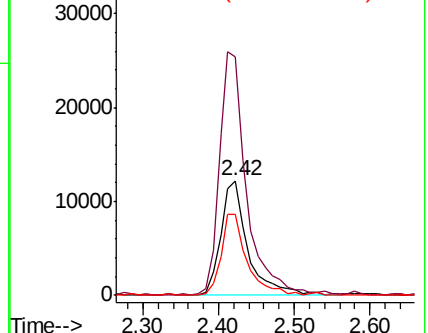
98 70.1 52.0 78.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 20.926 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Tgt Ion: 45 Resp: 101415

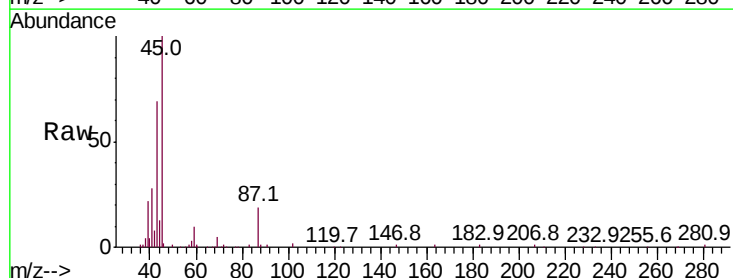
Ion Ratio Lower Upper

45 100

43 68.9 52.1 78.1

87 19.4 13.8 20.8

59 9.8 7.5 11.3

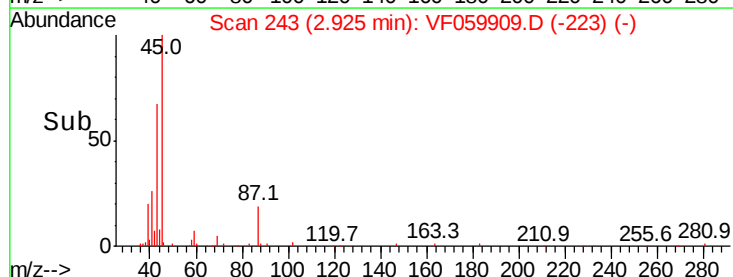
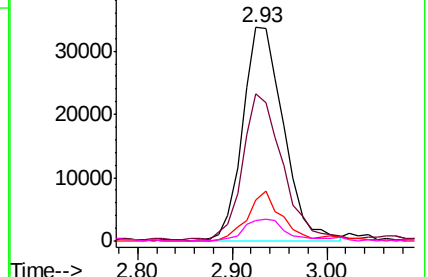


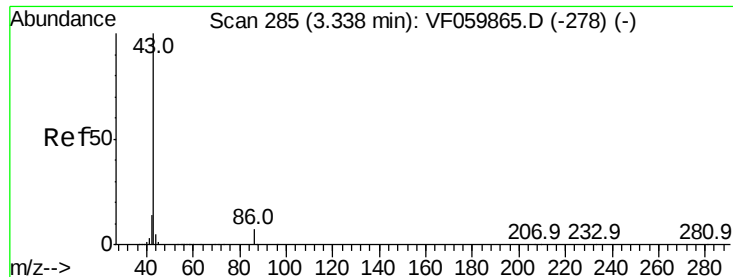
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 126.202 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

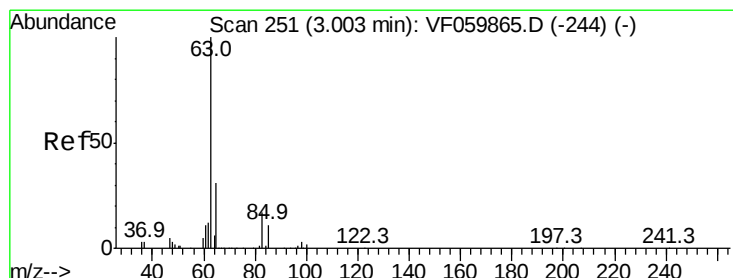
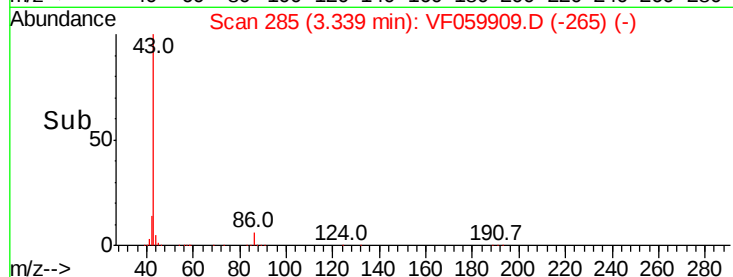
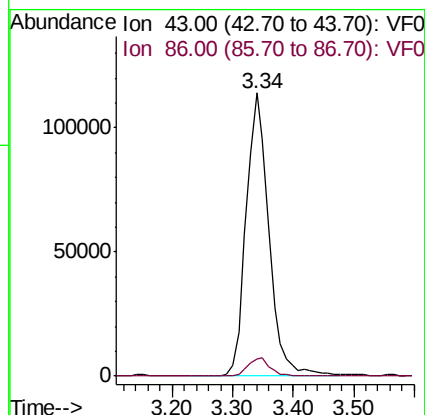
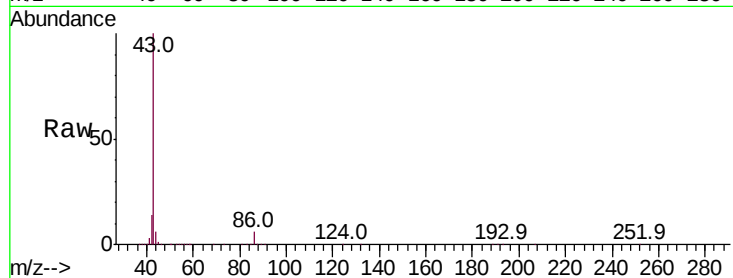
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 296085

Ion Ratio Lower Upper

43 100

86 6.2 5.6 8.4



#24

1,1-Dichloroethane

Concen: 22.281 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

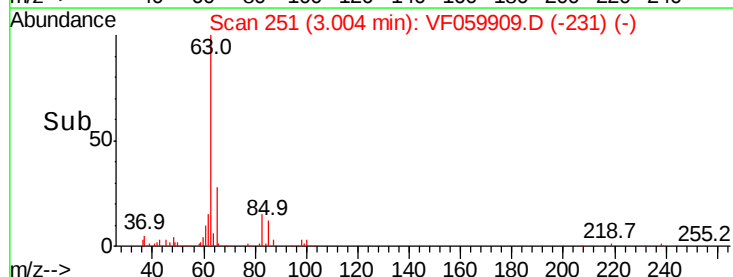
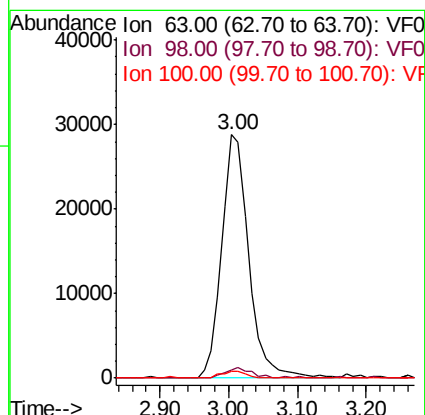
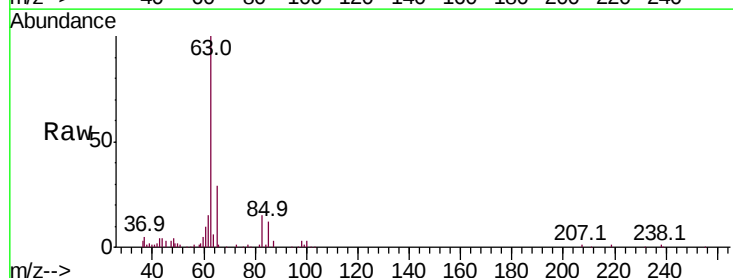
Tgt Ion: 63 Resp: 78639

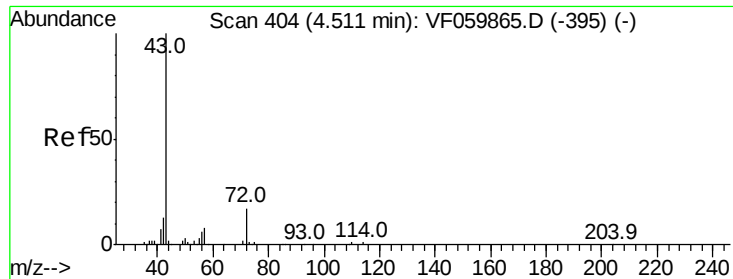
Ion Ratio Lower Upper

63 100

98 3.4 1.9 5.7

100 2.6 1.1 3.5





#25

2-Butanone

Concen: 111.614 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

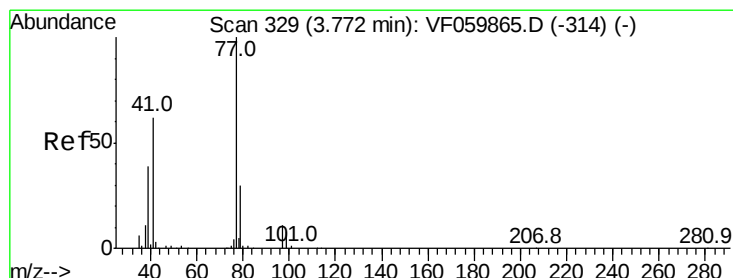
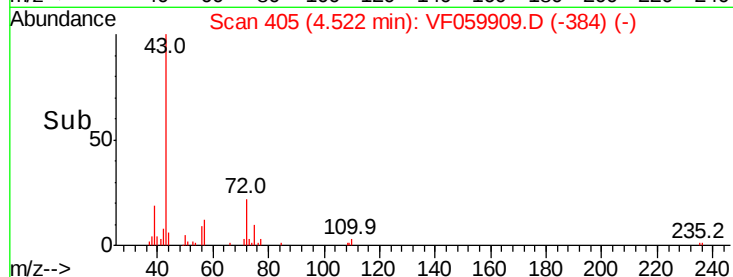
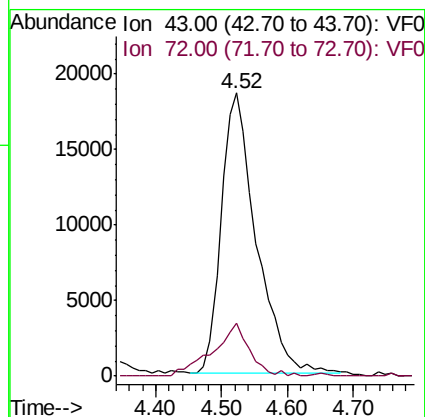
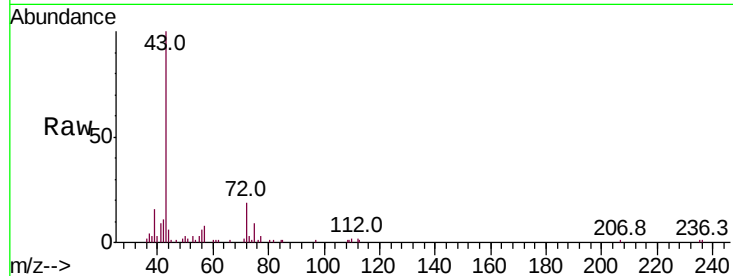
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 68326

Ion Ratio Lower Upper

43 100

72 18.9 13.9 20.9



#26

2,2-Dichloropropane

Concen: 21.700 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF059909.D

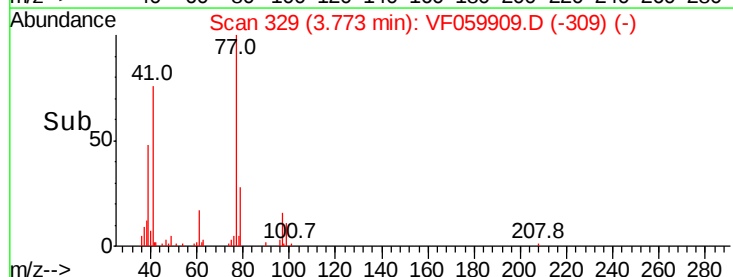
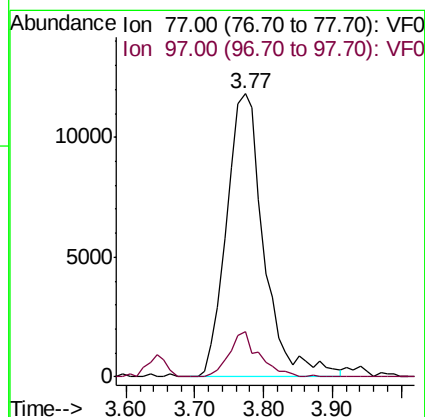
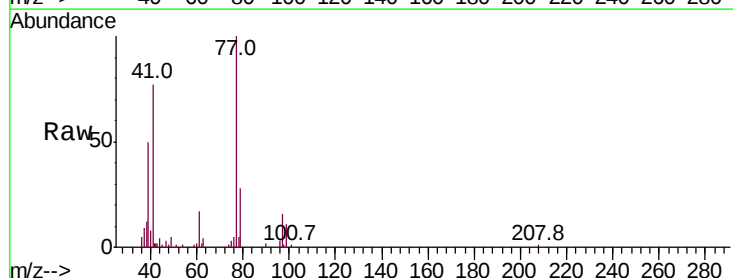
Acq: 7 Aug 2018 8:31

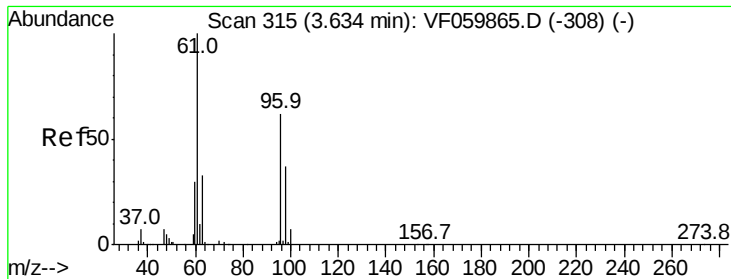
Tgt Ion: 77 Resp: 44586

Ion Ratio Lower Upper

77 100

97 15.9 6.8 20.3



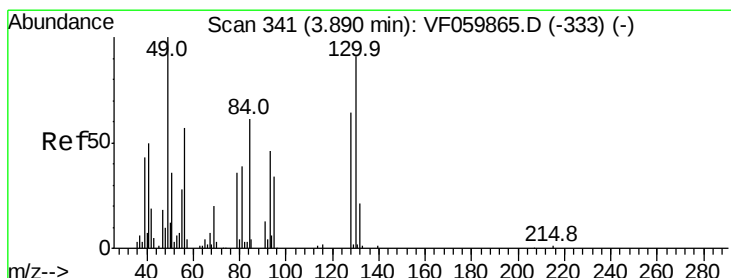
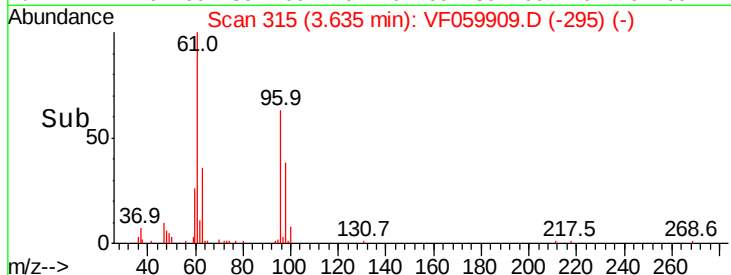
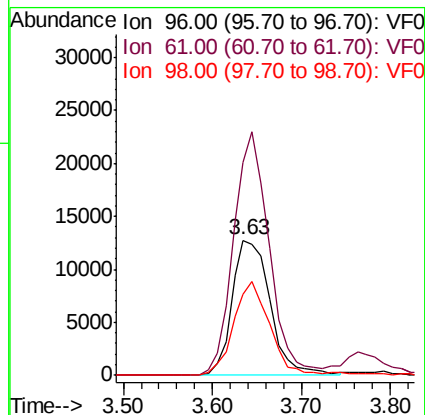
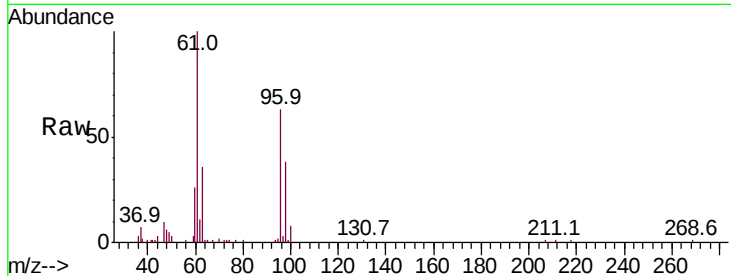


#27

cis-1,2-Dichloroethene
Concen: 22.611 ug/l
RT: 3.63 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampled :

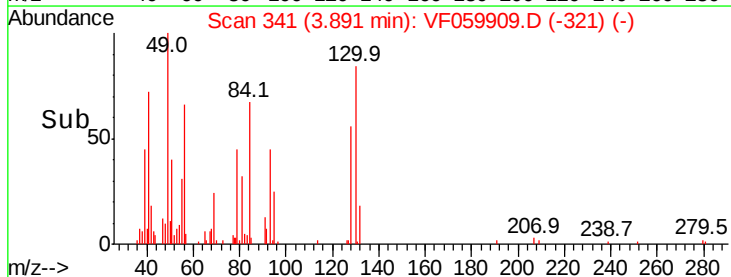
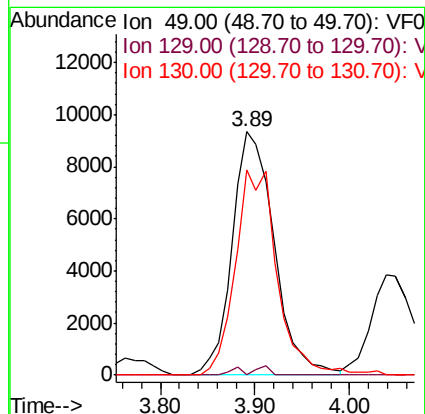
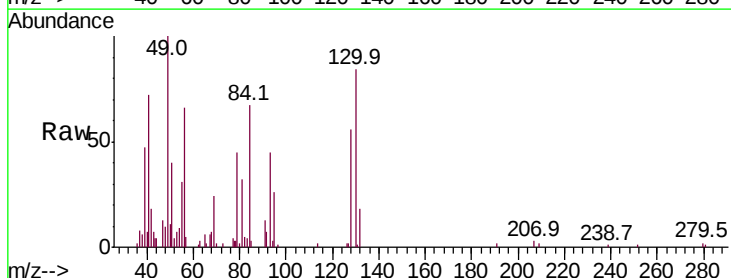
Tot Ion	96	Resp	38161
Ion	Ratio	Lower	Upper
96	100		
61	157.9	0.0	320.8
98	60.4	0.0	117.6

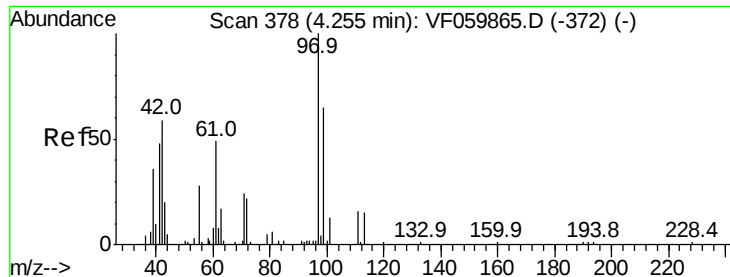


#28

Bromochloromethane
Concen: 23.186 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion	49	Resp	28896
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	85.6	73.8	110.8





#29

Tetrahydrofuran

Concen: 113.321 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

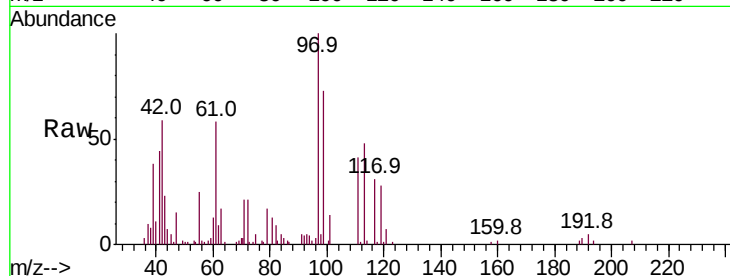
Tot Ion: 42 Resp: 25538

Ion Ratio Lower Upper

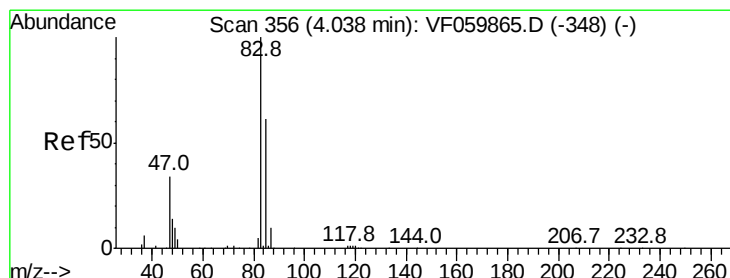
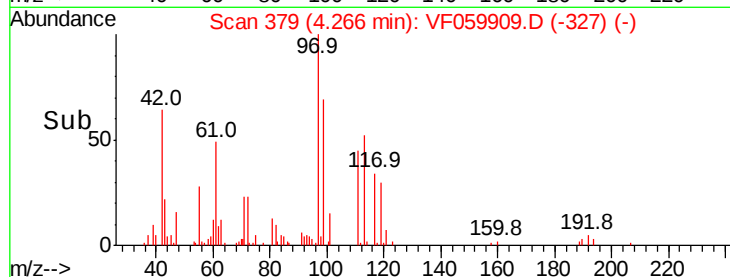
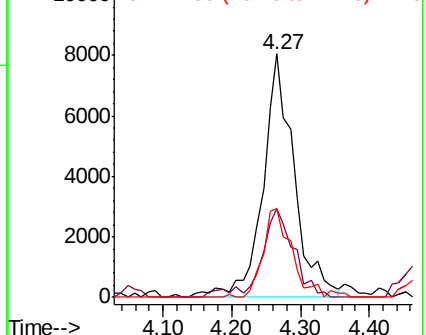
42 100

72 36.0 29.3 43.9

71 33.9 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: 22.719 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.01 min

Lab File: VF059909.D

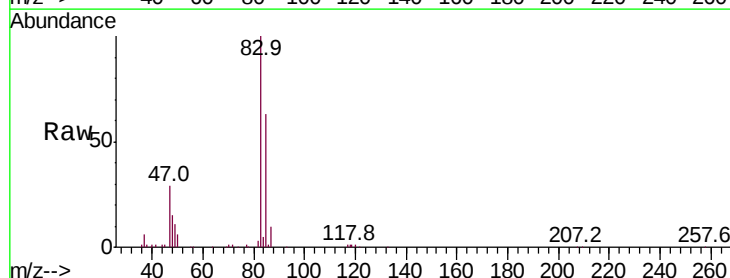
Acq: 7 Aug 2018 8:31

Tgt Ion: 83 Resp: 108478

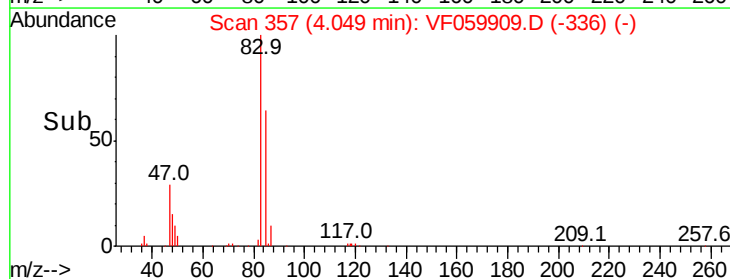
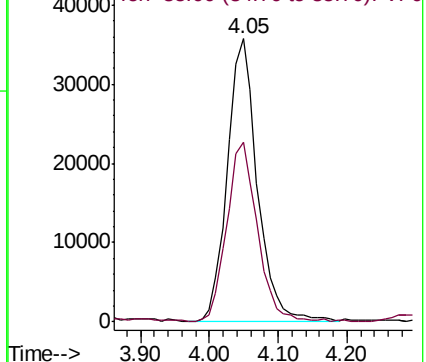
Ion Ratio Lower Upper

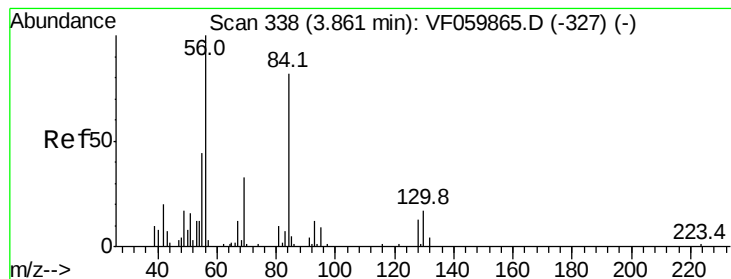
83 100

85 63.4 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: 20.371 ug/l

RT: 3.88 min Scan# 340

Delta R.T. 0.02 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :

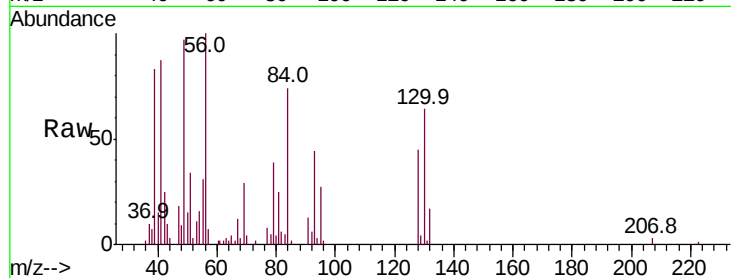
Tot Ion: 56 Resp: 35584

Ion Ratio Lower Upper

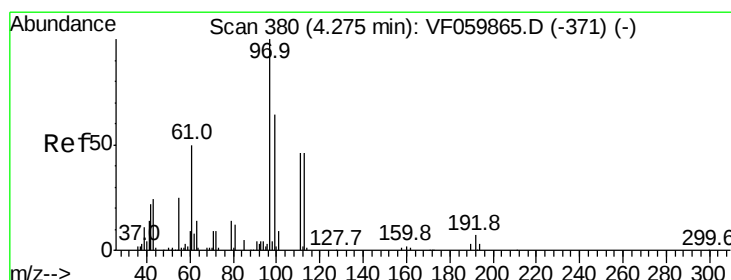
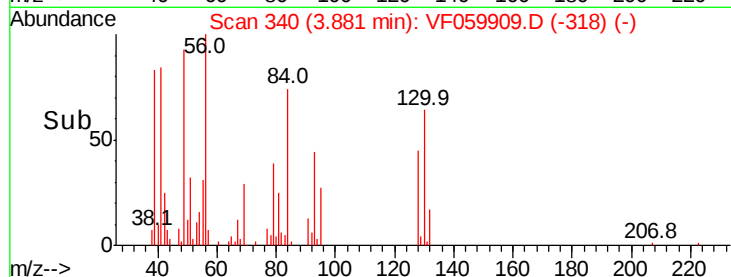
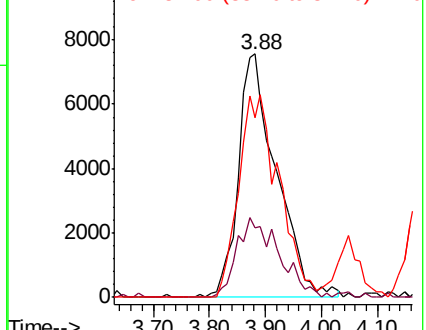
56 100

69 28.7 26.7 40.1

84 73.8 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: 21.774 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

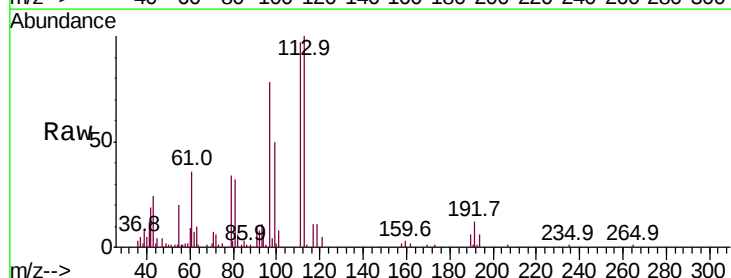
Tgt Ion: 97 Resp: 83173

Ion Ratio Lower Upper

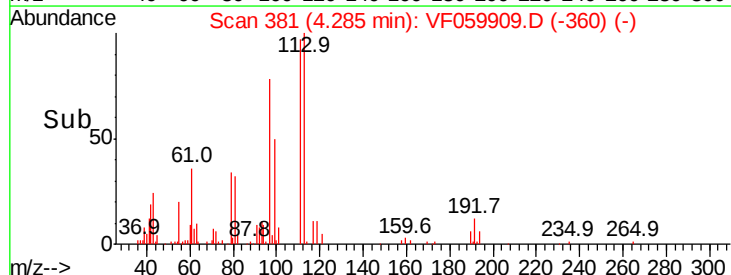
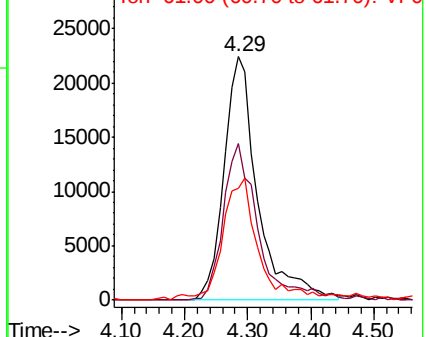
97 100

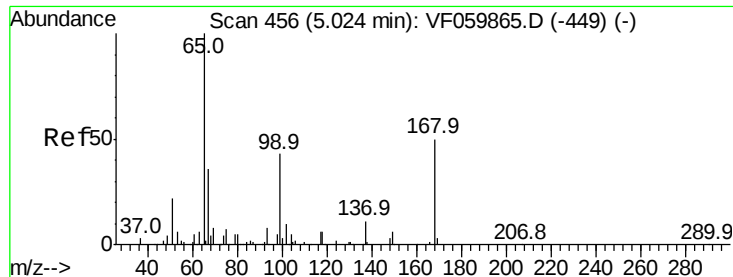
99 64.2 51.4 77.2

61 45.8 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: 57.417 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

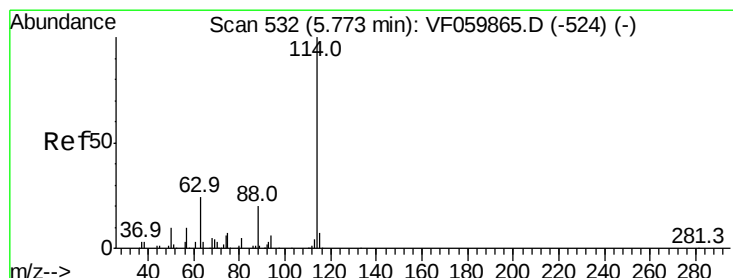
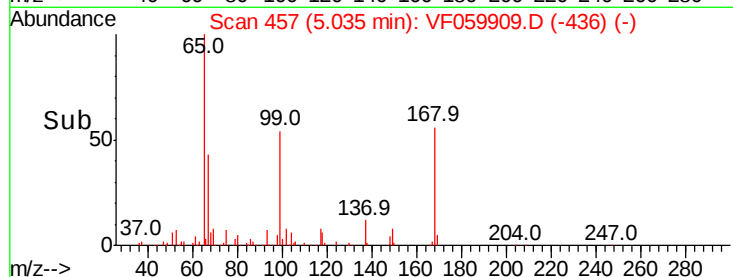
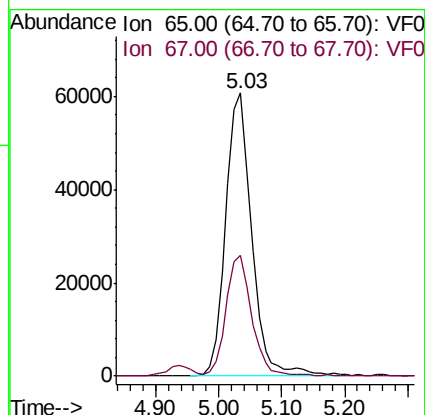
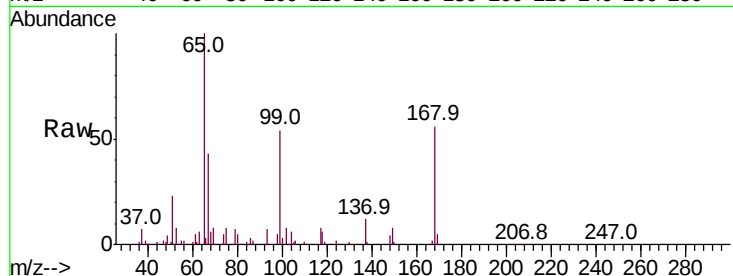
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 175101

Ion Ratio Lower Upper

65 100

67 42.6 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: VF059909.D

Acq: 7 Aug 2018 8:31

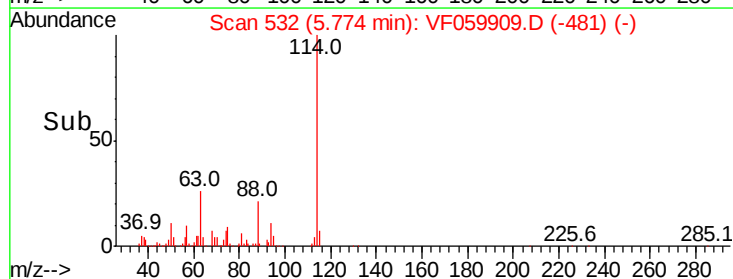
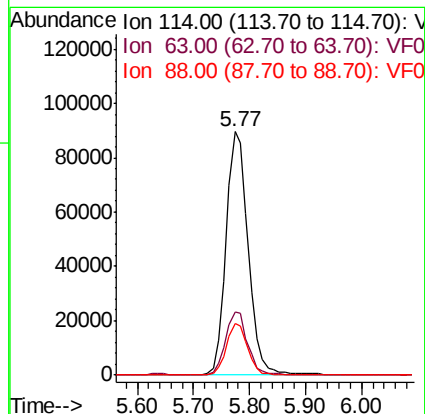
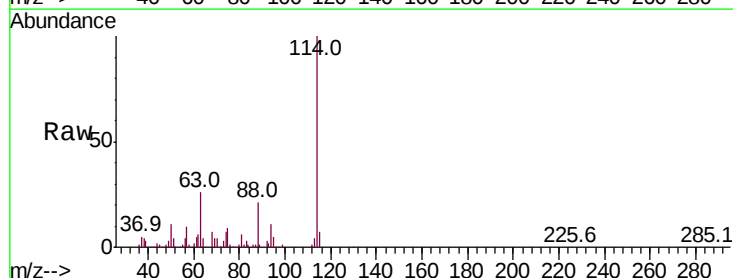
Tgt Ion: 114 Resp: 246419

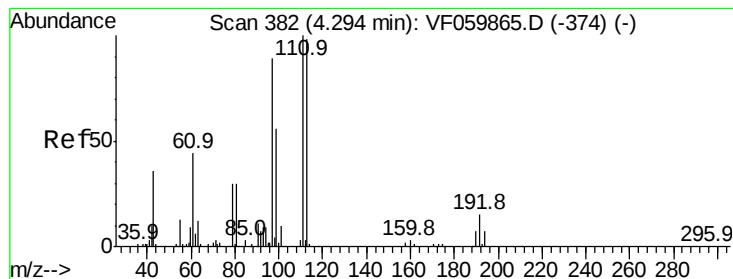
Ion Ratio Lower Upper

114 100

63 26.1 0.0 48.0

88 21.3 0.0 39.4





#35

Dibromofluoromethane

Concen: 53.845 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

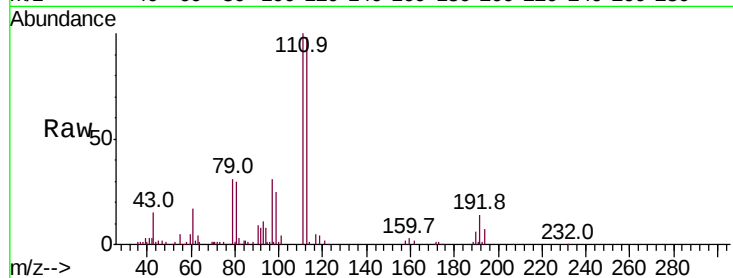
Tot Ion:113 Resp: 132015

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.8

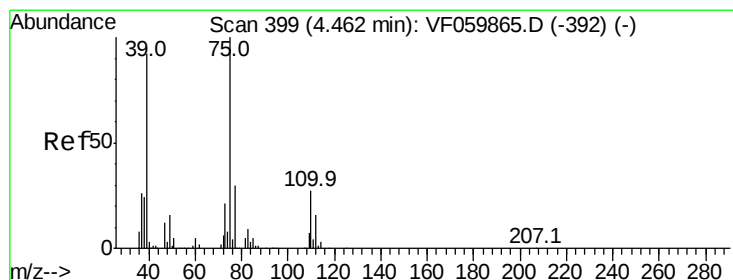
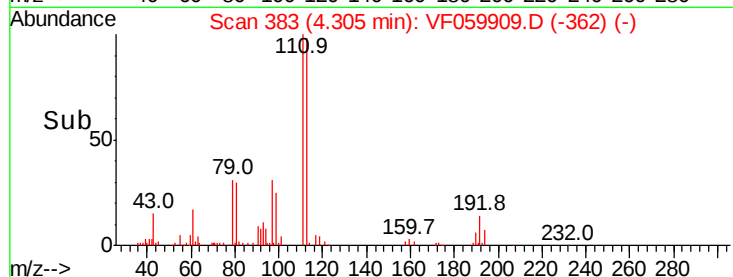
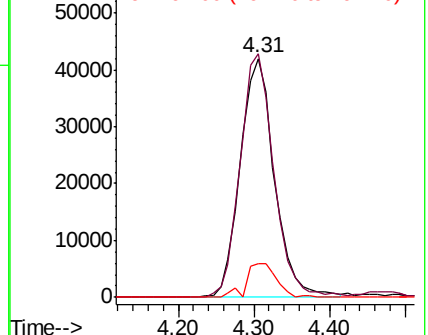
192 14.0 12.4 18.6



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: 20.206 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

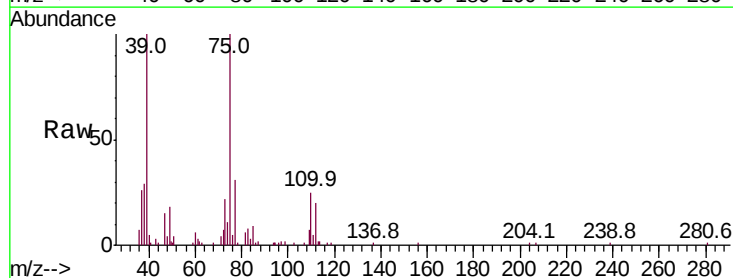
Tgt Ion: 75 Resp: 57593

Ion Ratio Lower Upper

75 100

110 24.7 13.6 40.7

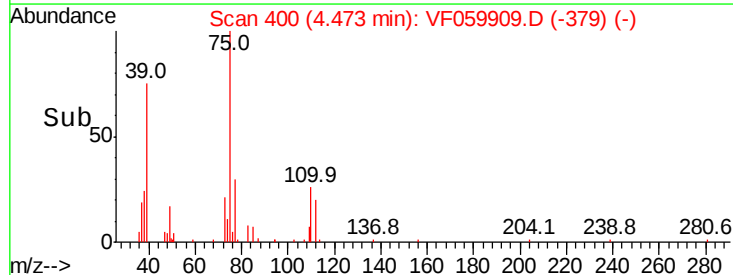
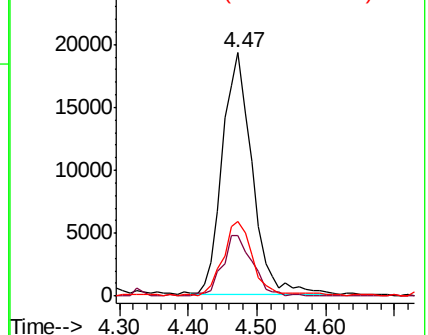
77 30.8 23.7 35.5

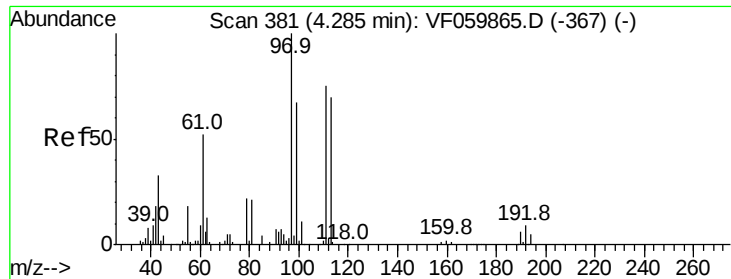


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

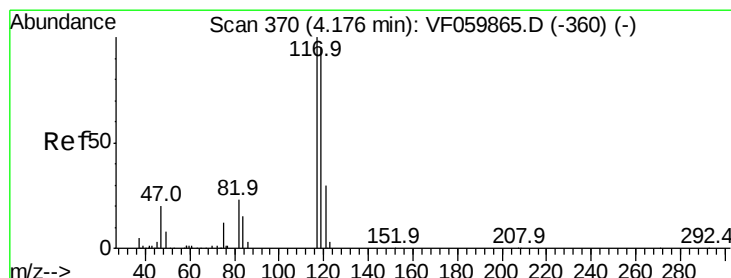
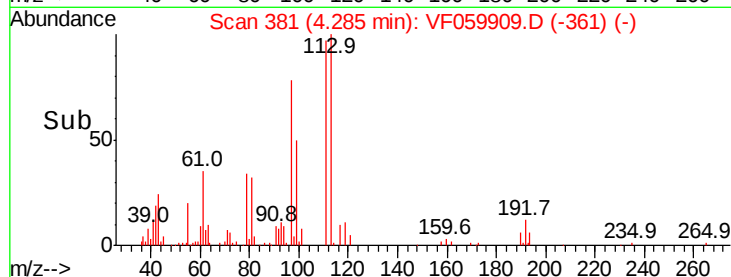
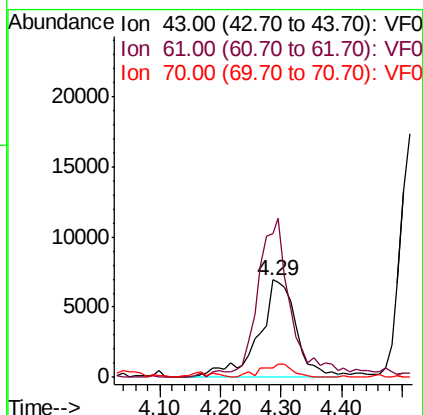
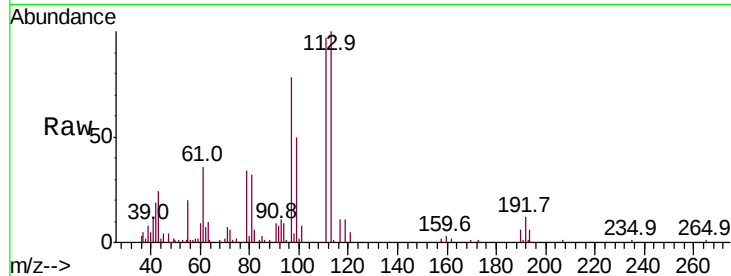




#37
Ethyl Acetate
Concen: 24.335 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

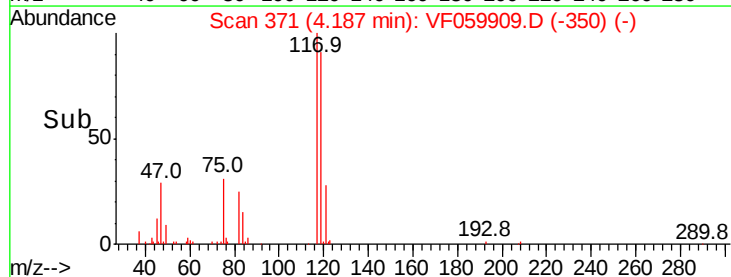
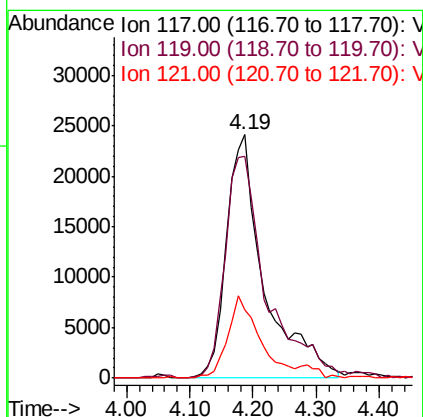
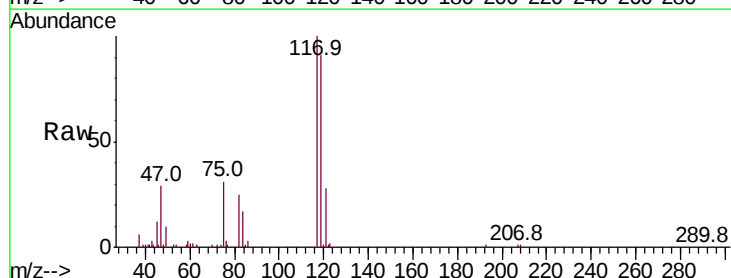
Instrument :
MSVOA_F
ClientSampleId :

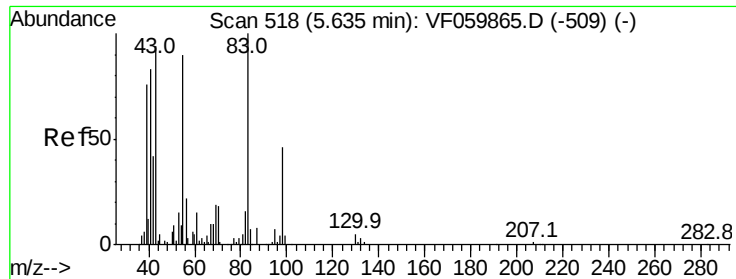
Tot Ion: 43 Resp: 29781
Ion Ratio Lower Upper
43 100
61 148.5 123.7 185.5
70 9.1 7.8 11.8



#38
Carbon Tetrachloride
Concen: 24.621 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion: 117 Resp: 100462
Ion Ratio Lower Upper
117 100
119 91.3 76.5 114.7
121 28.0 23.8 35.8

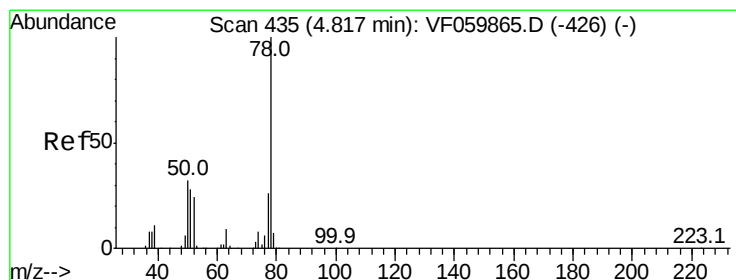
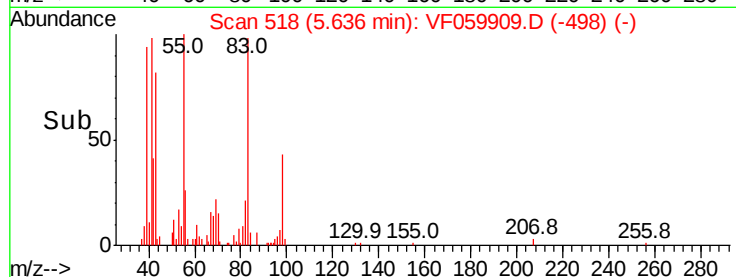
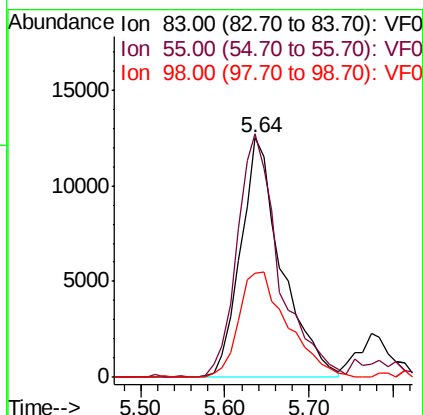
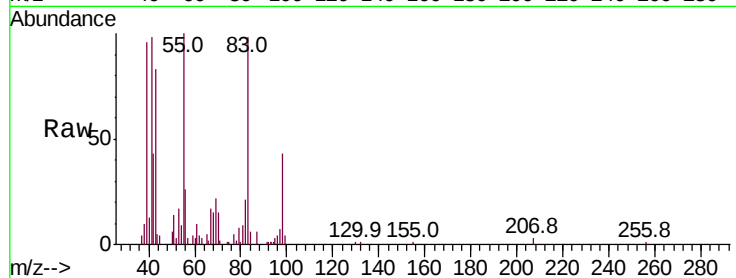




#39
Methvlcvclohexane
Concen: 19.901 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

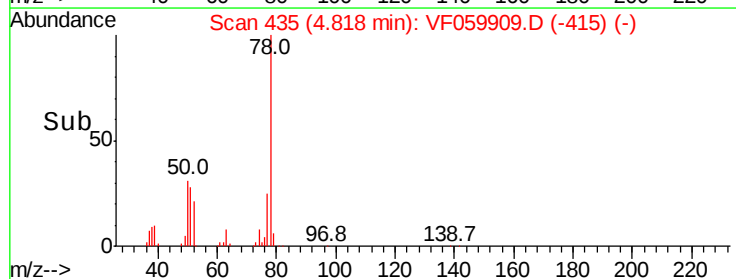
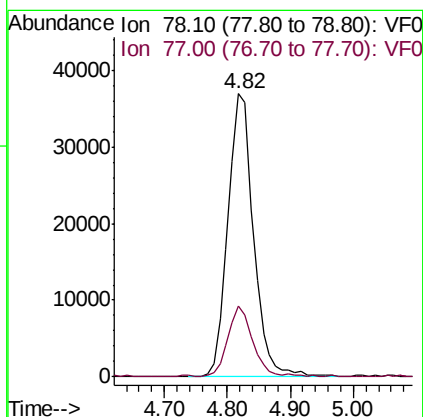
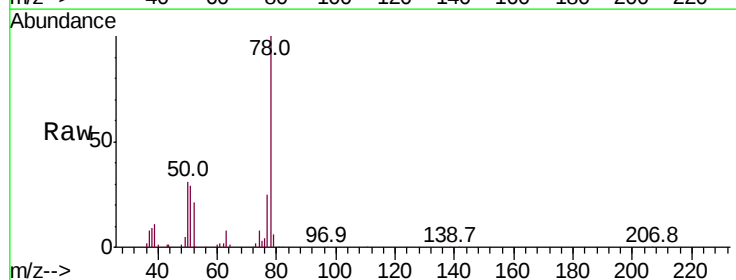
Instrument :
MSVOA_F
ClientSampleId :

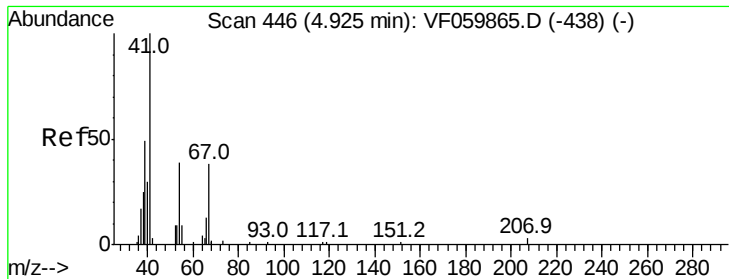
Tot Ion: 83 Resp: 42538
Ion Ratio Lower Upper
83 100
55 101.6 72.0 108.0
98 43.5 36.6 54.8



#40
Benzene
Concen: 19.388 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion: 78 Resp: 103966
Ion Ratio Lower Upper
78 100
77 25.3 20.7 31.1

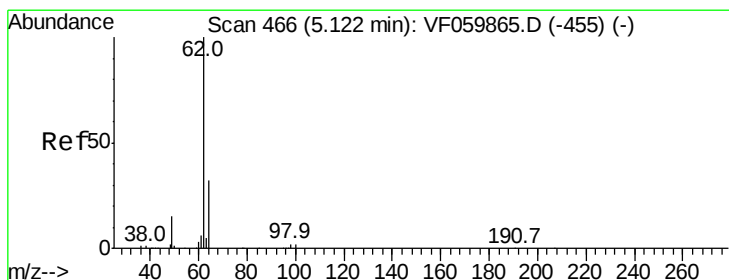
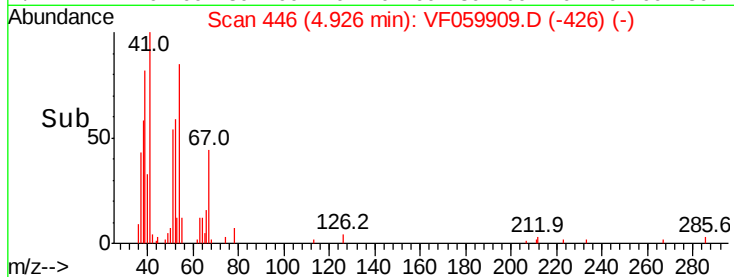
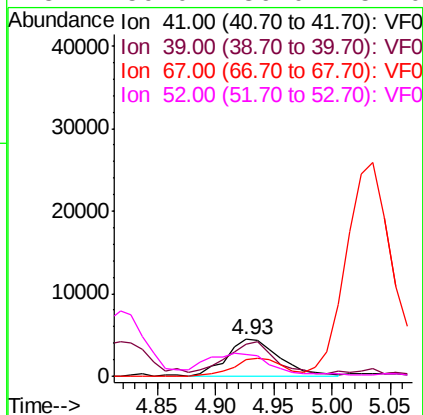
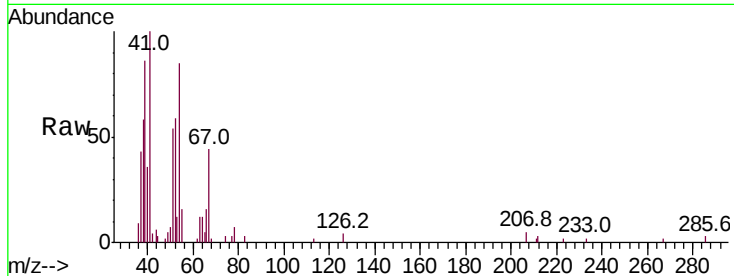




#41
Methacrylonitrile
Concen: 21.732 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

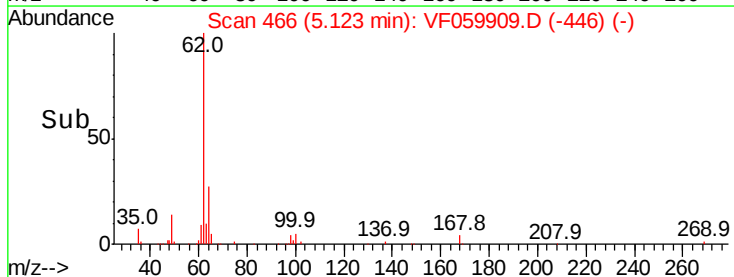
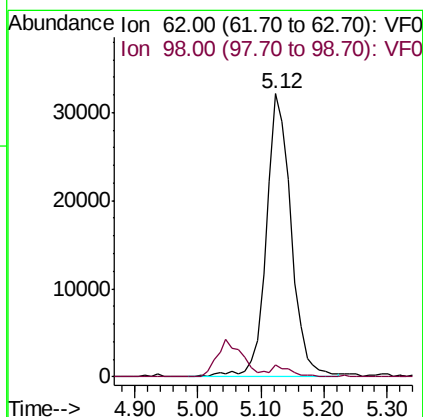
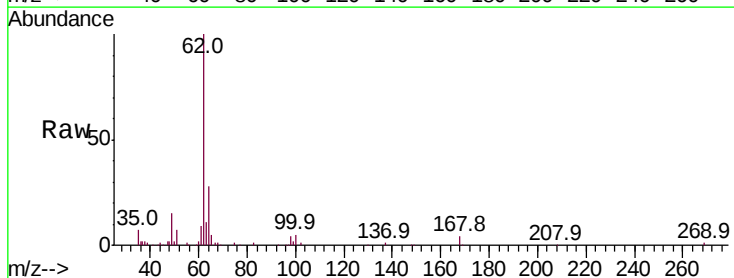
Instrument :
MSVOA_F
ClientSampleId :

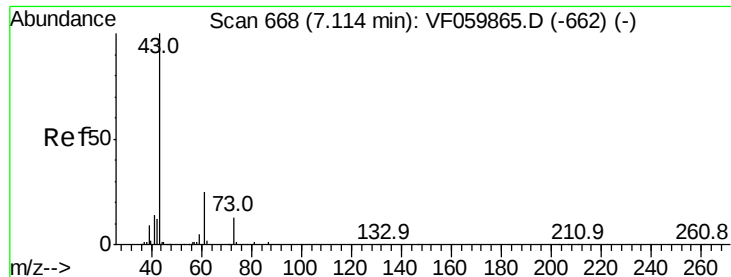
Tot Ion:	41	Resp:	14036
Ion	Ratio	Lower	Upper
41	100		
39	86.0	55.1	82.7#
67	44.2	30.3	45.5
52	59.0	36.0	54.0#



#42
1,2-Dichloroethane
Concen: 22.227 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion:	62	Resp:	87725
Ion	Ratio	Lower	Upper
62	100		
98	4.4	0.0	7.6



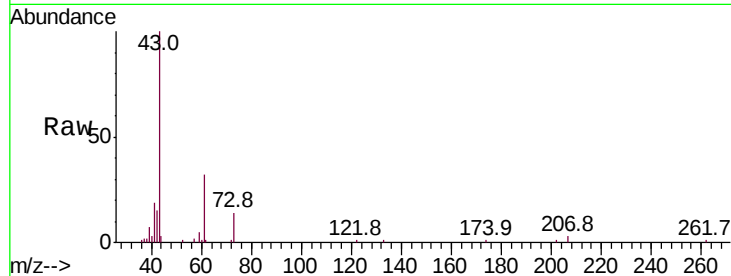


#43

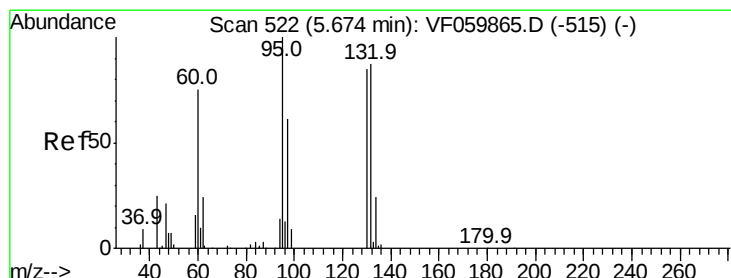
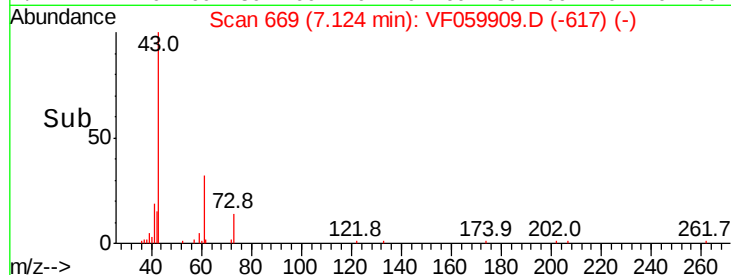
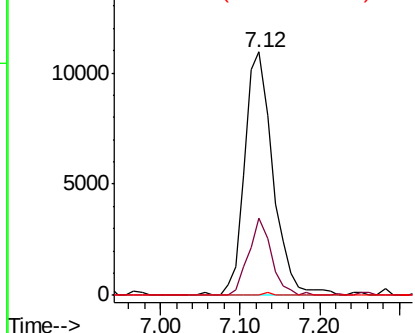
Isopropyl Acetate
 Concen: 21.283 ug/l
 RT: 7.12 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 26820
 Ion Ratio Lower Upper
 43 100
 61 31.6 20.3 30.5#
 87 0.0 0.7 1.1#



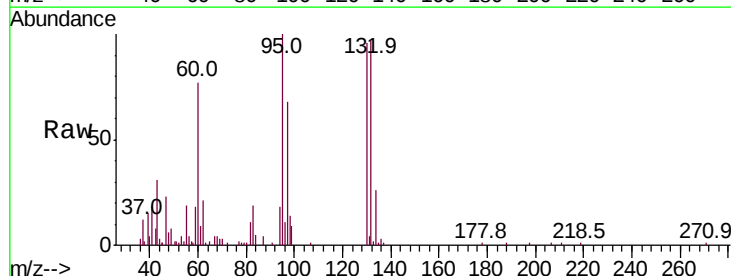
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



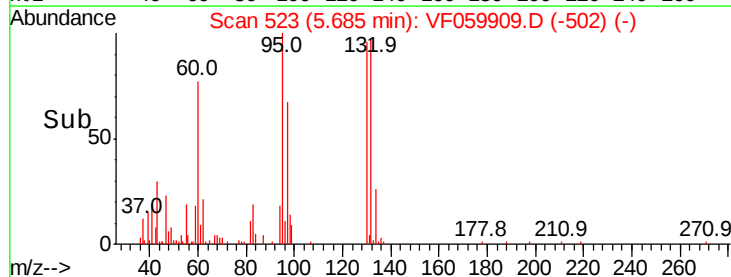
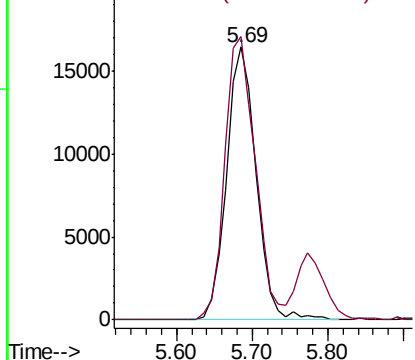
#44

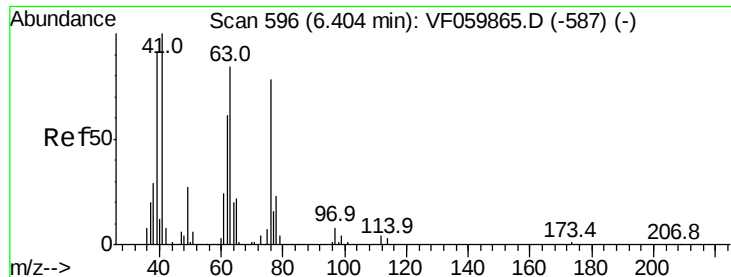
Trichloroethene
 Concen: 23.245 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Tgt Ion:130 Resp: 44125
 Ion Ratio Lower Upper
 130 100
 95 103.8 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: 22.921 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

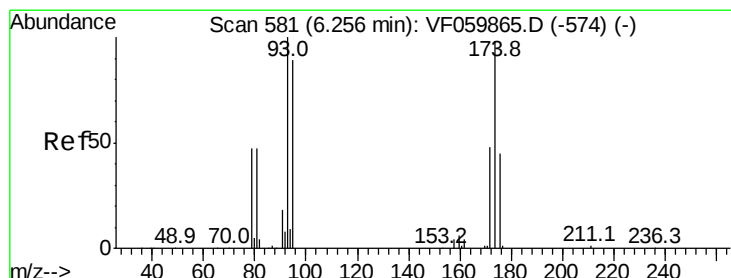
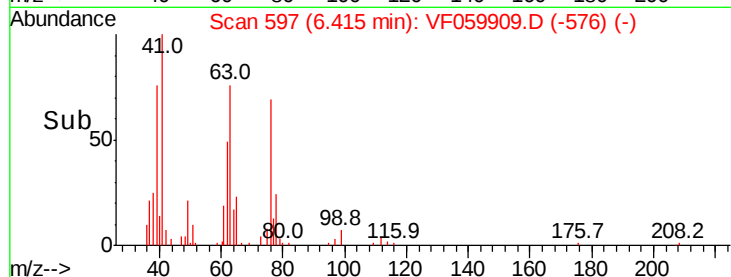
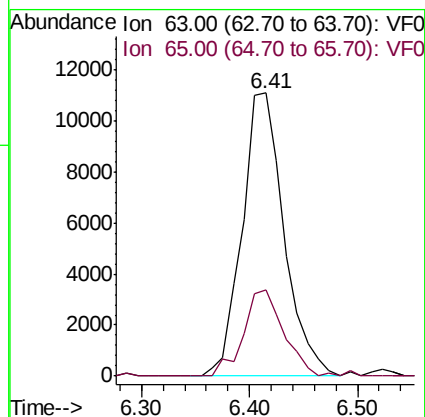
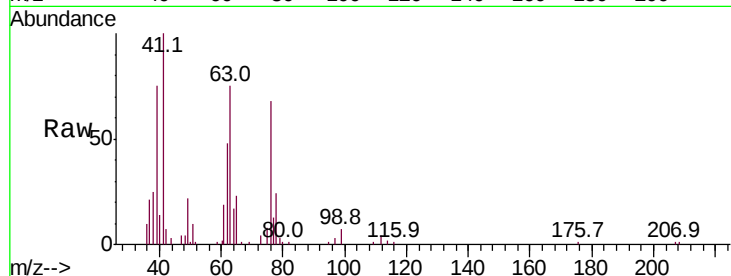
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 29980

Ion Ratio Lower Upper

63 100

65 30.5 20.4 30.6



#46

Dibromomethane

Concen: 21.640 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

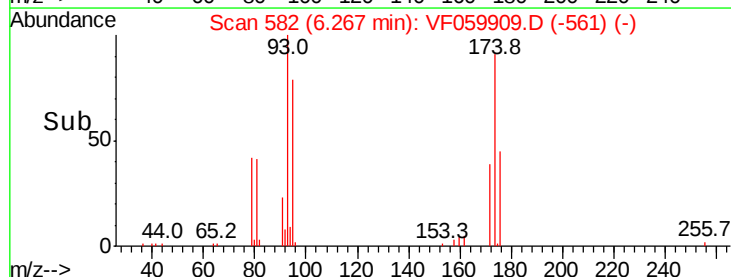
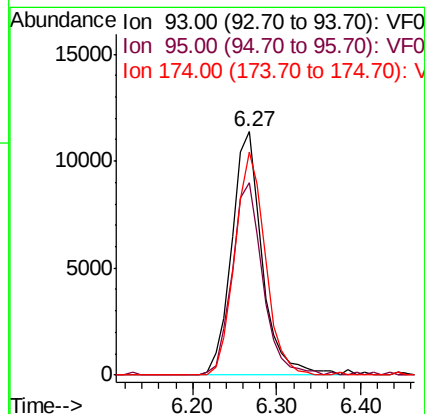
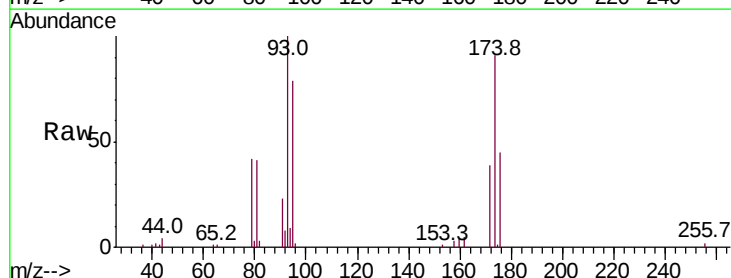
Tgt Ion: 93 Resp: 28560

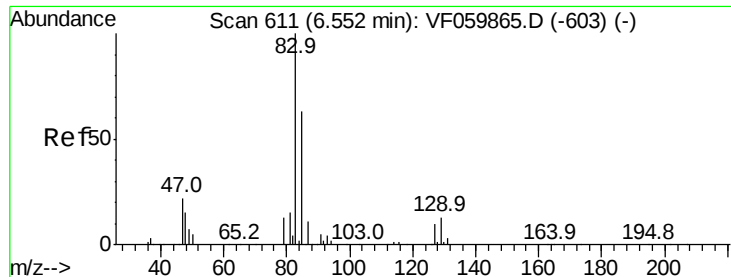
Ion Ratio Lower Upper

93 100

95 80.7 71.4 107.2

174 92.8 78.1 117.1





#47

Bromodichloromethane

Concen: 21.996 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampled :

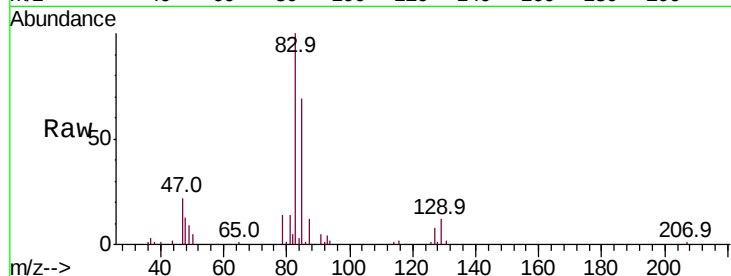
Tot Ion: 83 Resp: 79401

Ion Ratio Lower Upper

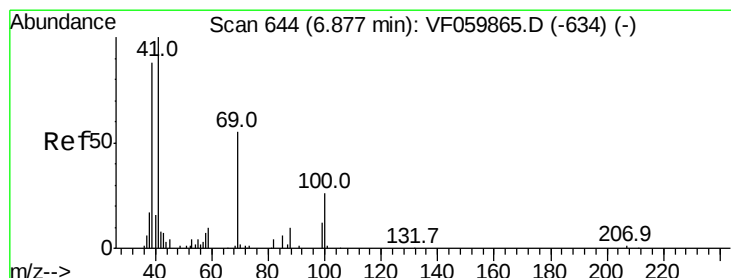
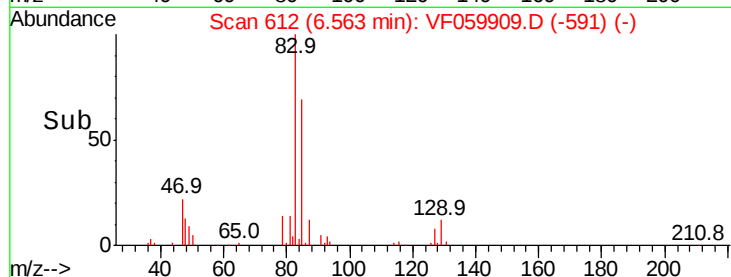
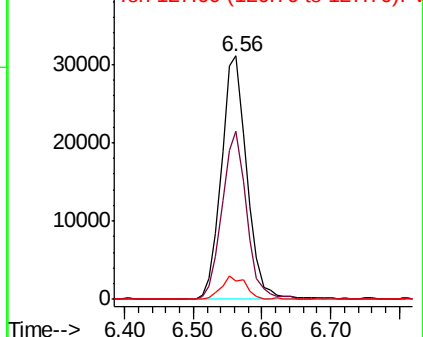
83 100

85 69.0 50.7 76.1

127 7.8 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: 22.200 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

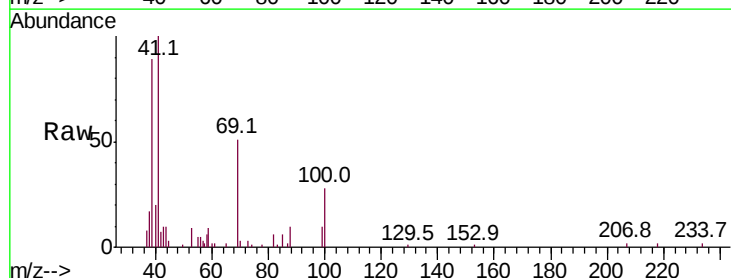
Tgt Ion: 41 Resp: 21764

Ion Ratio Lower Upper

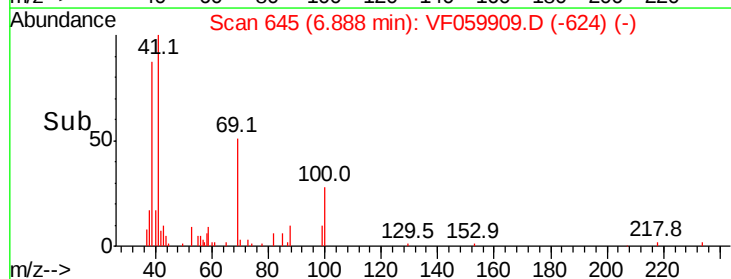
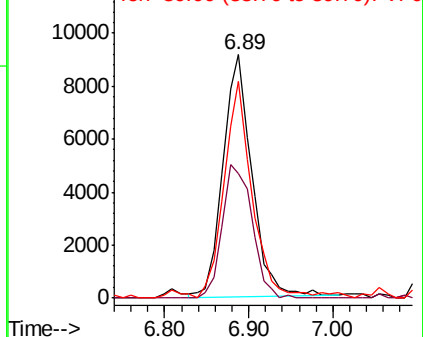
41 100

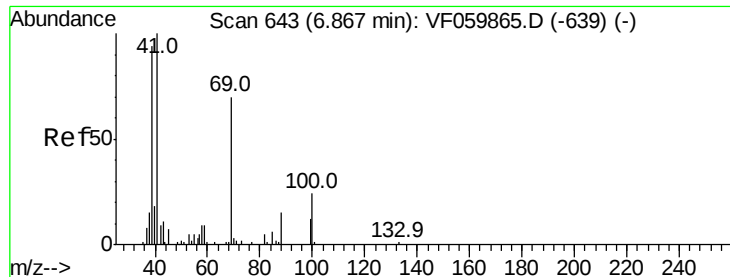
69 51.0 44.4 66.6

39 89.0 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

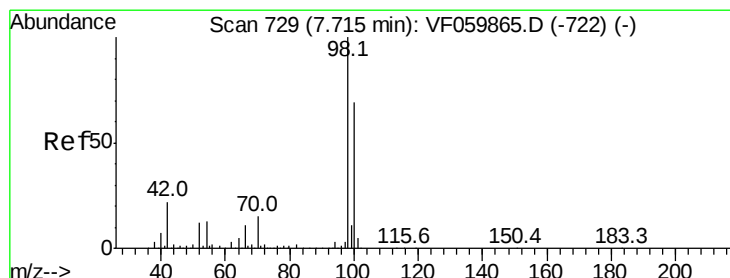
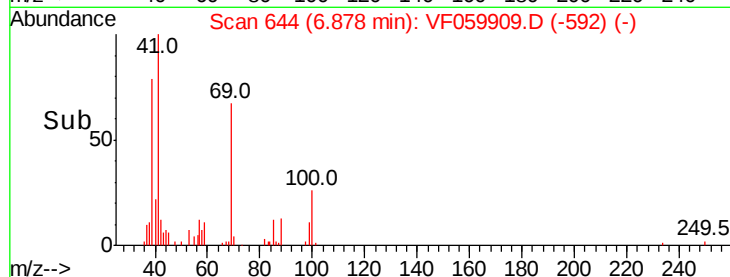
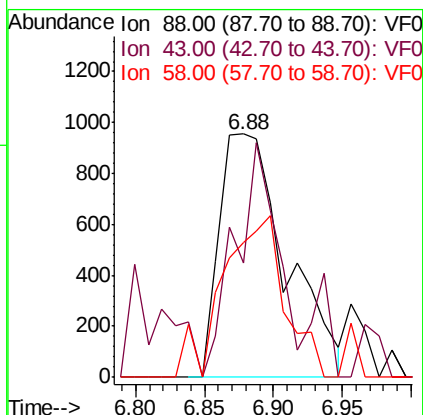
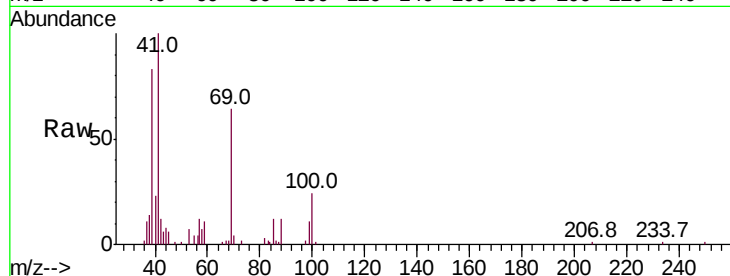




#49
1,4-Dioxane
Concen: 500.051 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

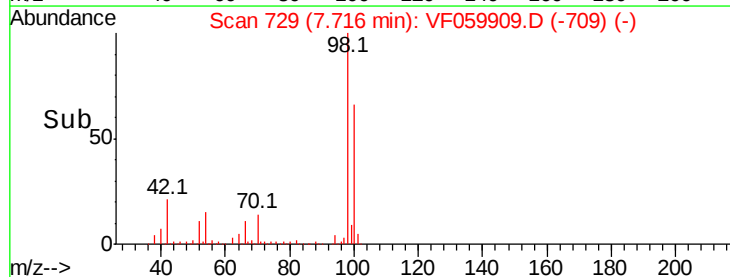
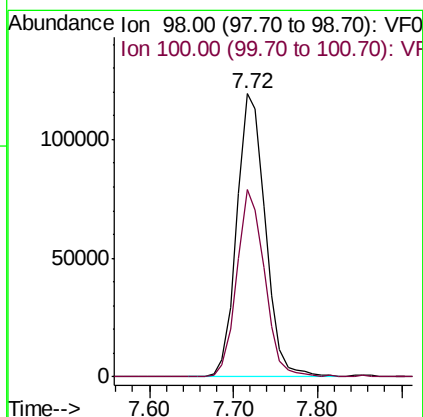
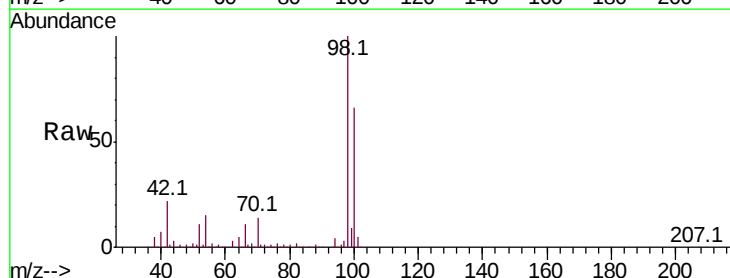
Instrument :
MSVOA_F
ClientSampled :

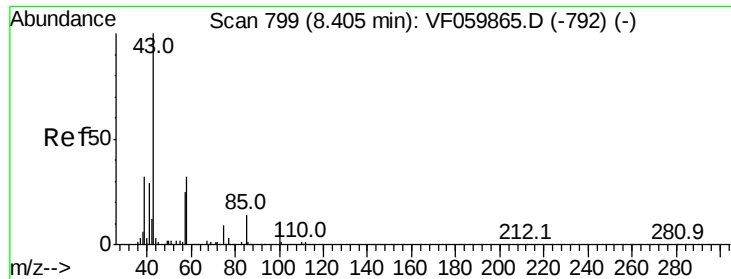
Tot Ion: 88 Resp: 3214
Ion Ratio Lower Upper
88 100
43 46.8 58.3 87.5#
58 55.4 49.4 74.2



#50
Toluene-d8
Concen: 54.132 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion: 98 Resp: 282387
Ion Ratio Lower Upper
98 100
100 66.3 55.0 82.6





#51

4-Methyl-2-Pentanone

Concen: 117.448 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

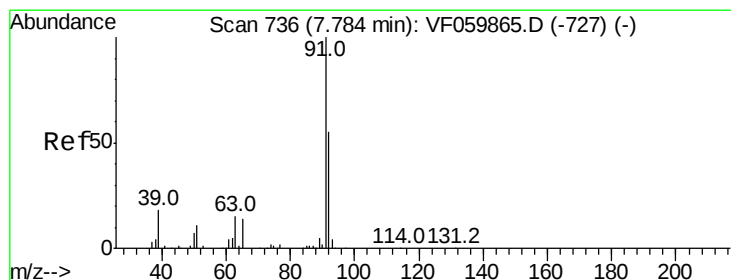
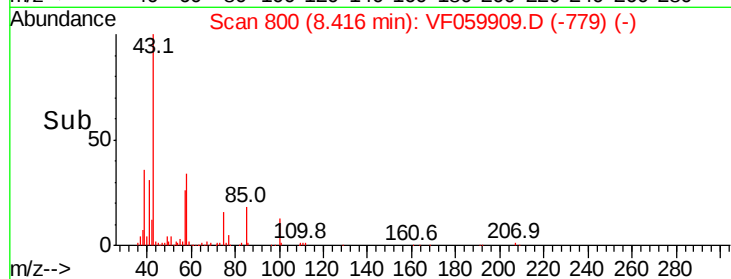
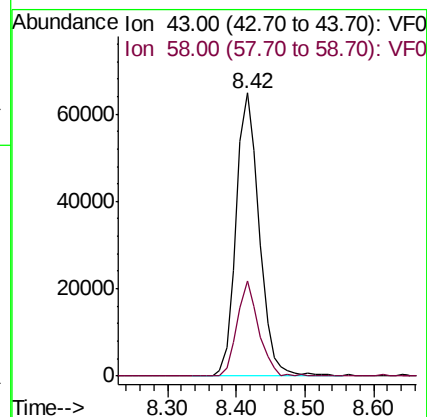
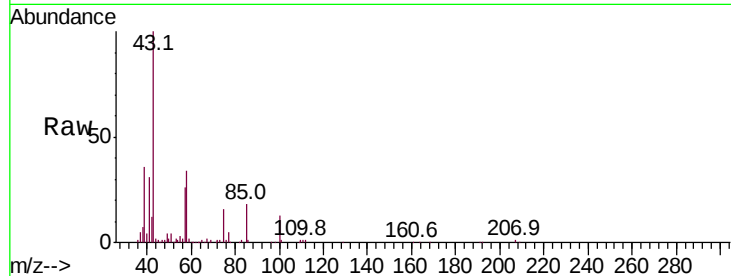
ClientSampleId :

Tot Ion: 43 Resp: 151325

Ion Ratio Lower Upper

43 100

58 33.7 25.4 38.0



#52

Toluene

Concen: 22.498 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF059909.D

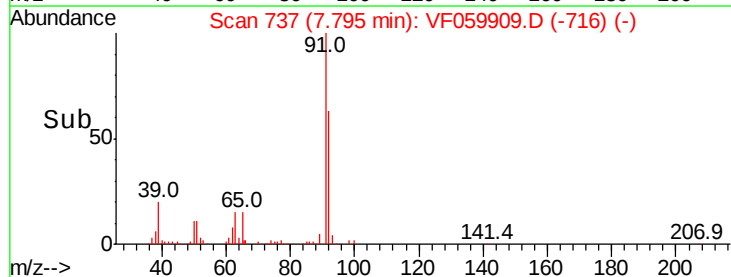
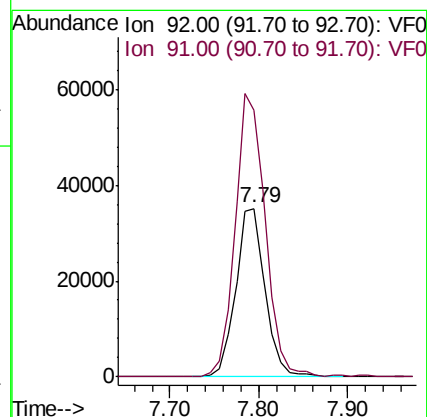
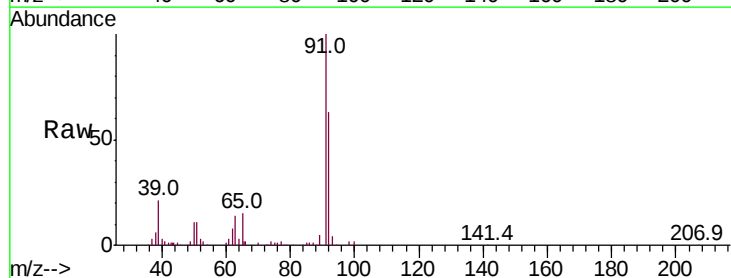
Acq: 7 Aug 2018 8:31

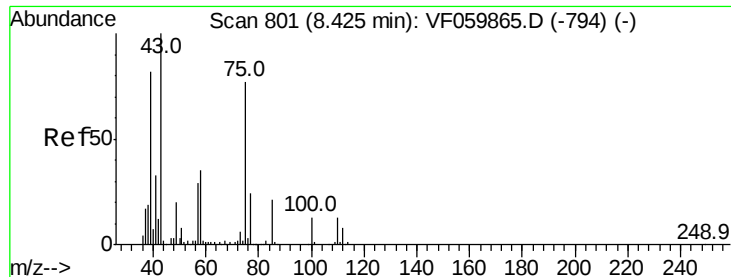
Tgt Ion: 92 Resp: 80992

Ion Ratio Lower Upper

92 100

91 158.7 145.7 218.5

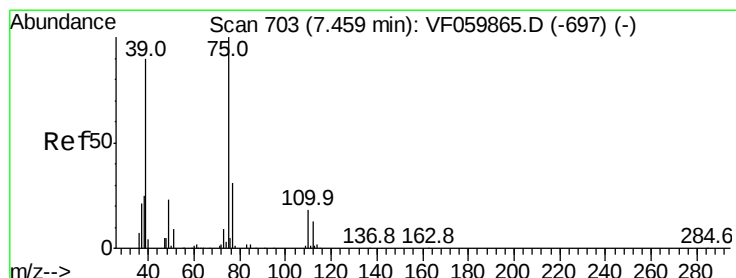
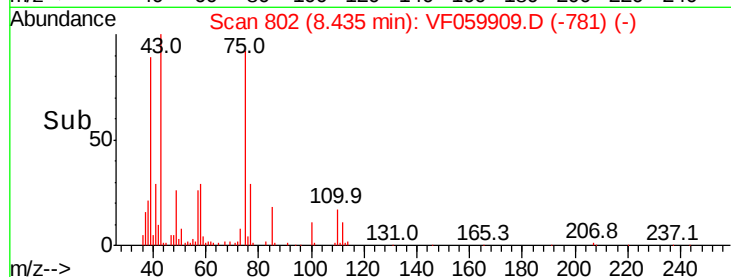
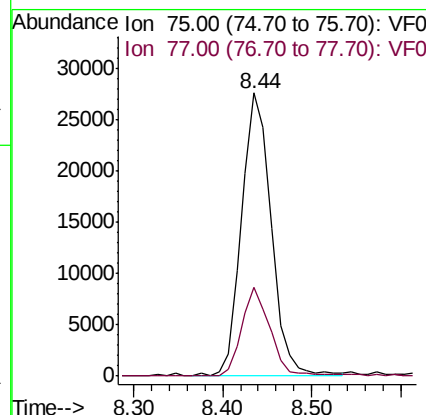
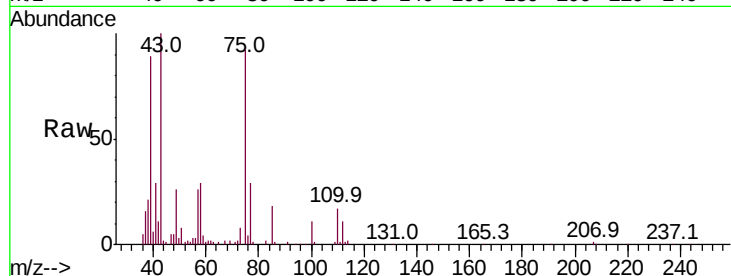




#53
 t-1,3-Dichloropropene
 Concen: 23.470 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. 0.01 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

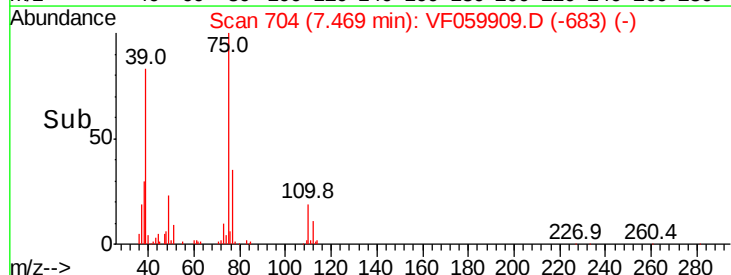
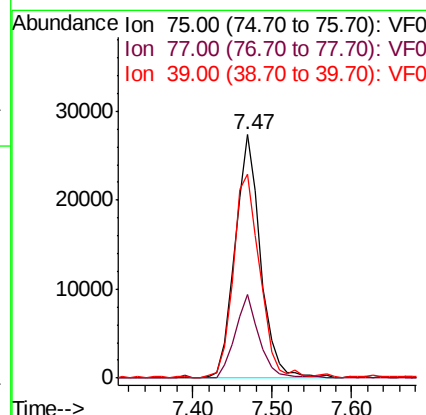
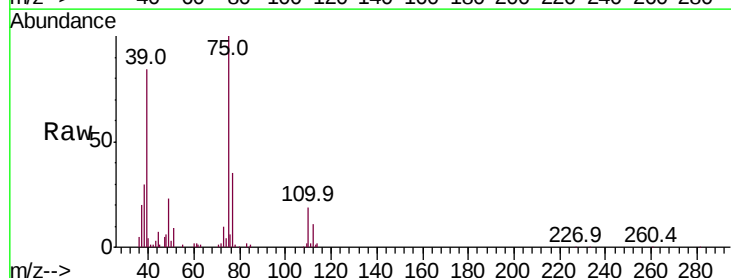
Instrument :
 MSVOA_F
 ClientSampled :

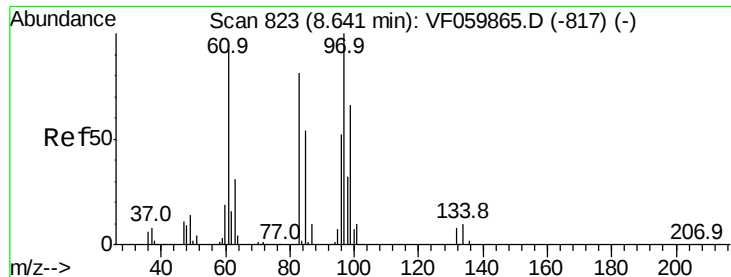
Tot Ion: 75 Resp: 64446
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 21.587 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Tgt Ion: 75 Resp: 61176
 Ion Ratio Lower Upper
 75 100
 77 34.6 24.7 37.1
 39 83.7 72.0 108.0





#55

1,1,2-Trichloroethane

Concen: 21.829 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 28288

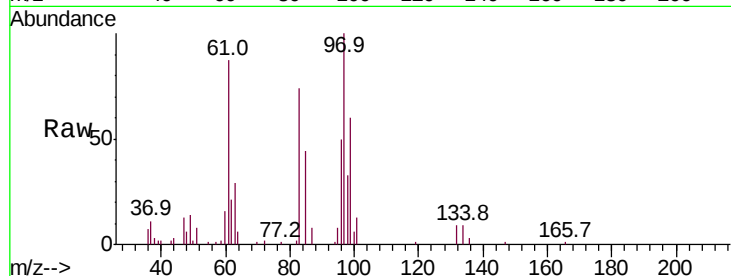
Ion Ratio Lower Upper

97 100

83 74.4 64.4 96.6

85 44.3 43.1 64.7

99 59.8 52.7 79.1

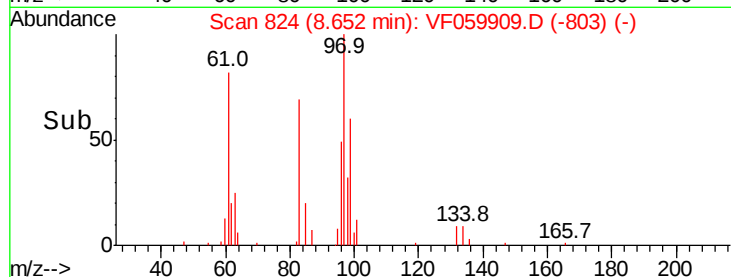
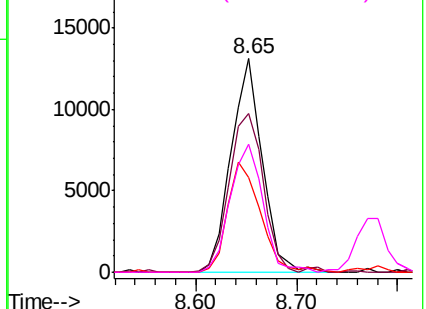


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 22.245 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

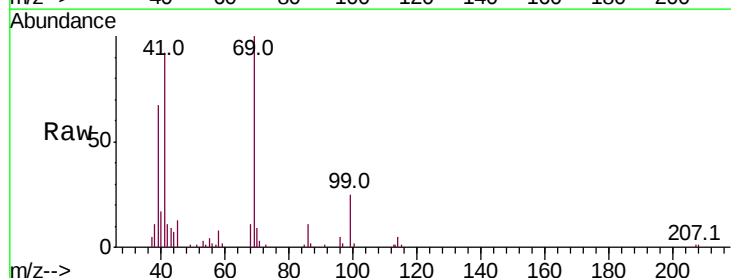
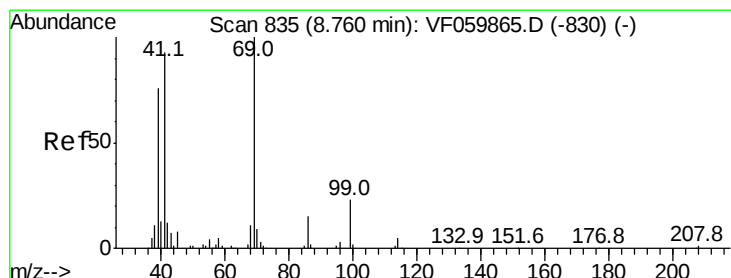
Tgt Ion: 69 Resp: 28773

Ion Ratio Lower Upper

69 100

41 91.9 74.7 112.1

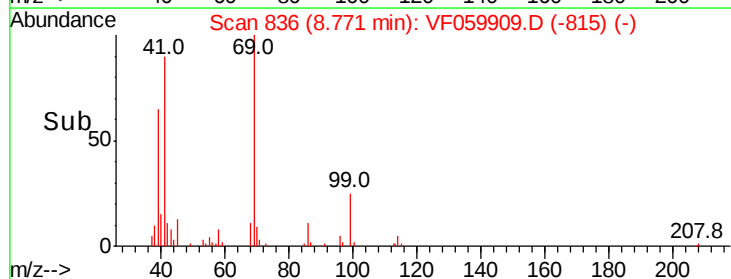
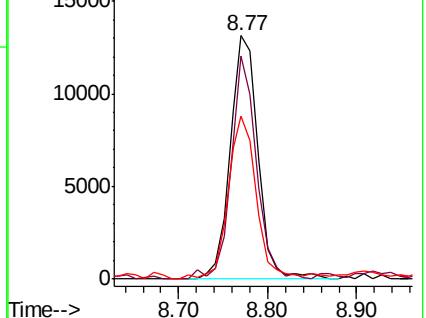
39 66.8 61.1 91.7

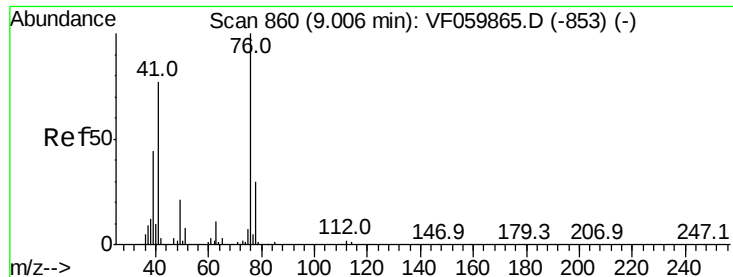


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.869 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

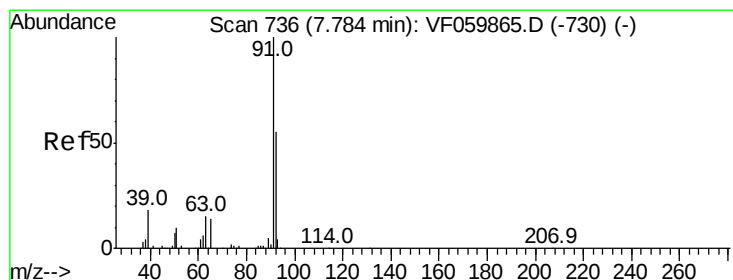
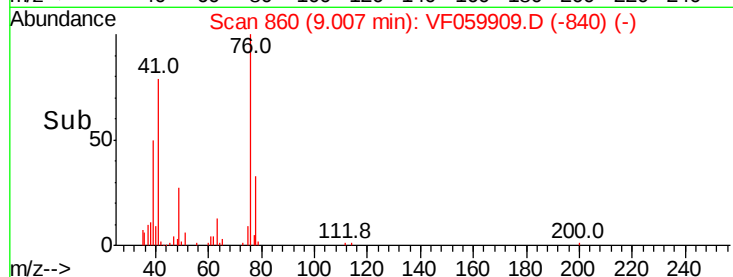
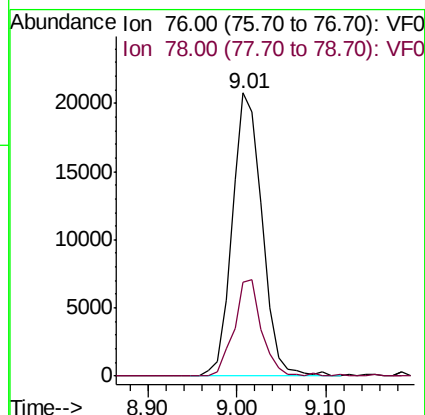
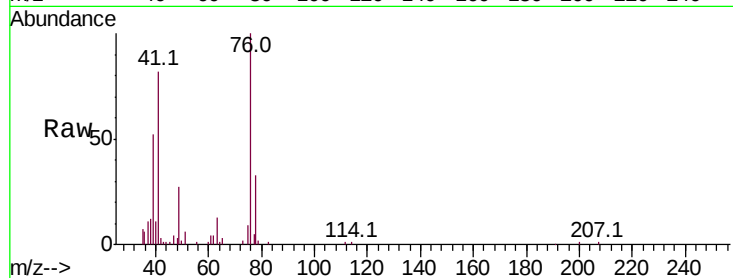
ClientSampleId :

Tot Ion: 76 Resp: 48663

Ion Ratio Lower Upper

76 100

78 33.1 24.2 36.2



#58

2-Chloroethyl Vinyl ether

Concen: 118.149 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059909.D

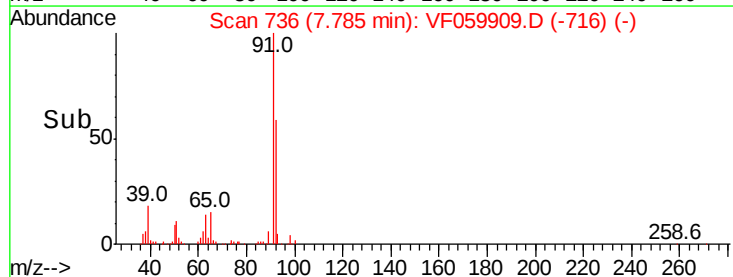
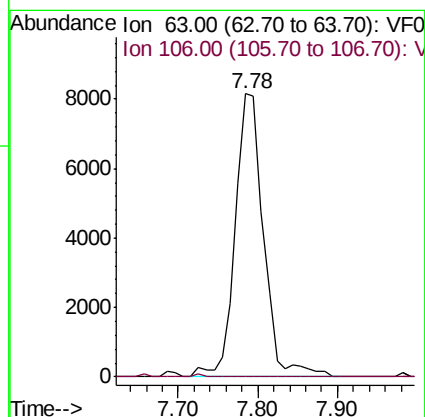
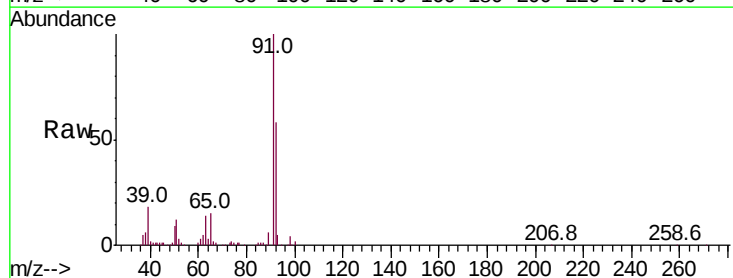
Acq: 7 Aug 2018 8:31

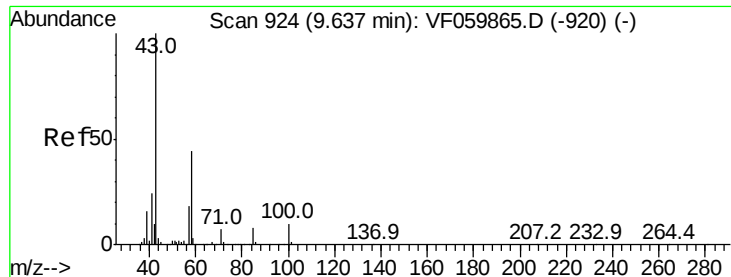
Tgt Ion: 63 Resp: 20256

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

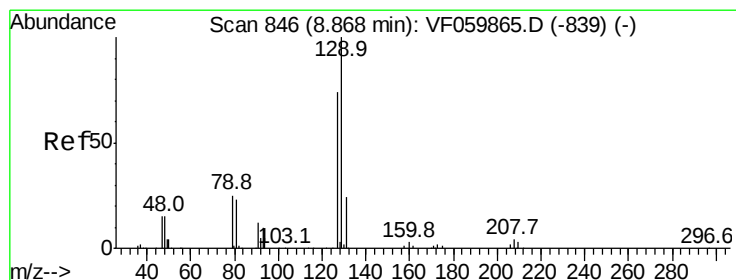
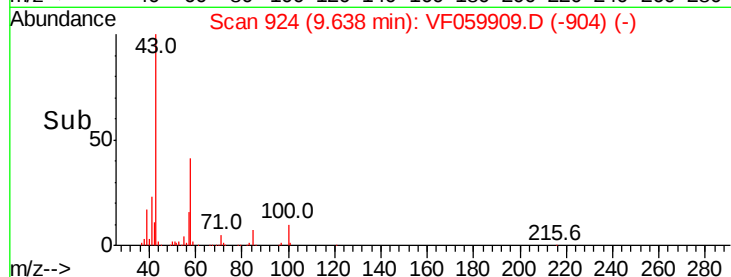
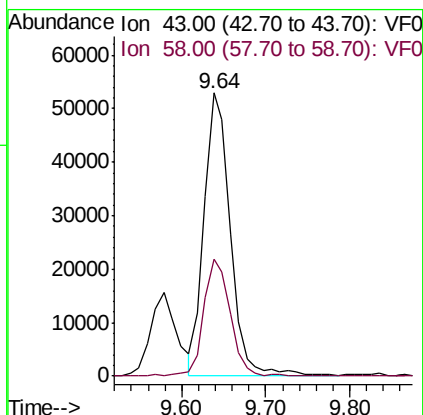
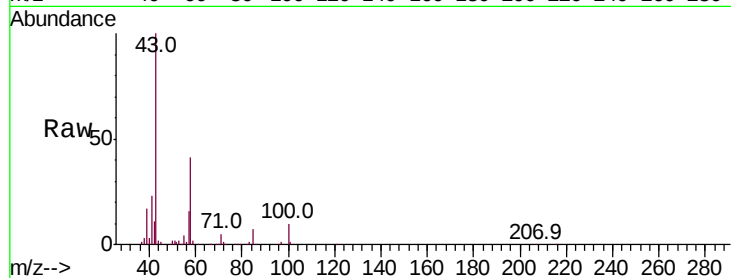




#59
2-Hexanone
Concen: 125.787 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

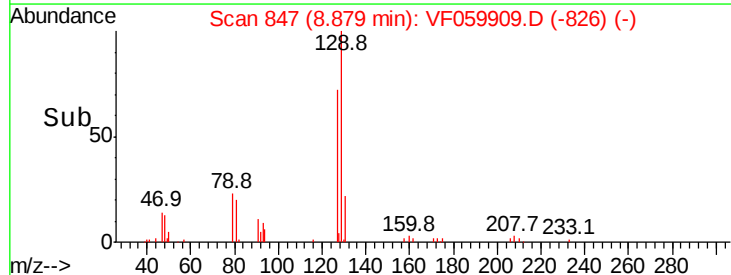
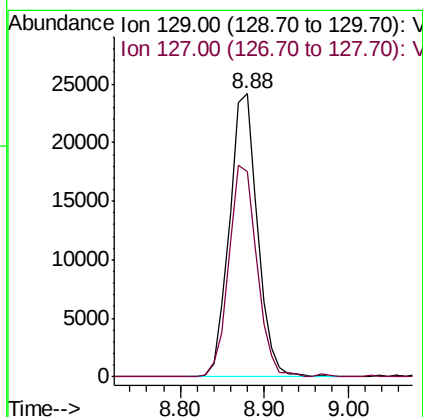
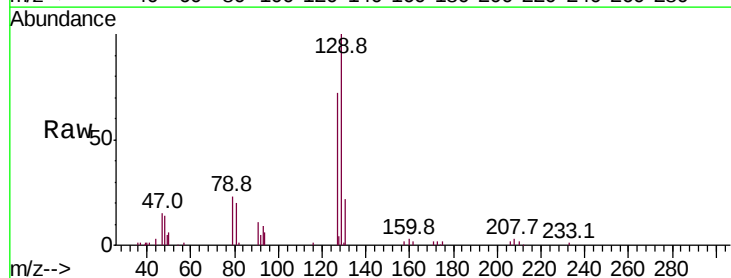
Instrument :
MSVOA_F
ClientSampled :

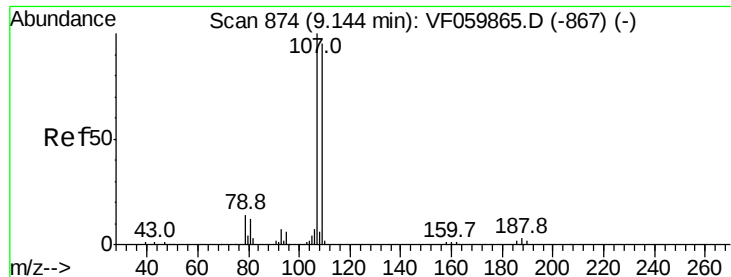
Tot Ion: 43 Resp: 114486
Ion Ratio Lower Upper
43 100
58 41.4 20.8 62.2



#60
Dibromochloromethane
Concen: 23.083 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion:129 Resp: 56121
Ion Ratio Lower Upper
129 100
127 71.5 36.9 110.7





#61

1,2-Dibromoethane

Concen: 23.377 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

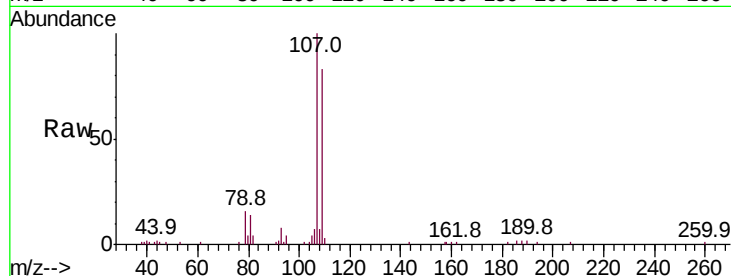
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 36912

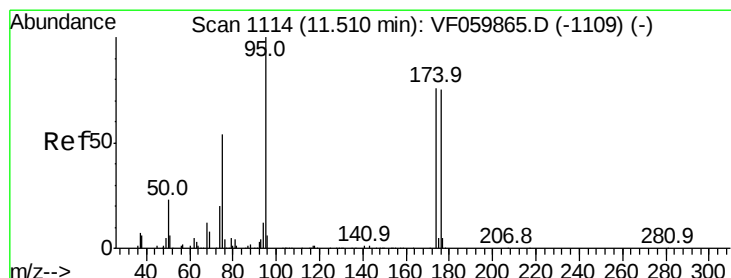
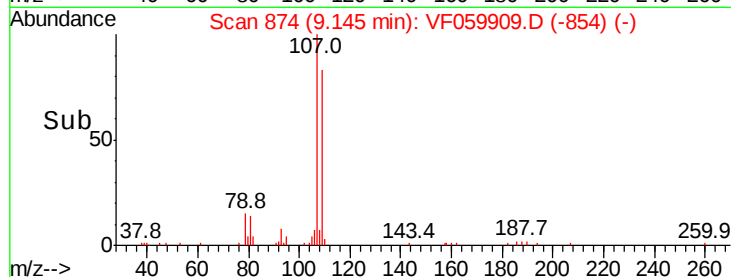
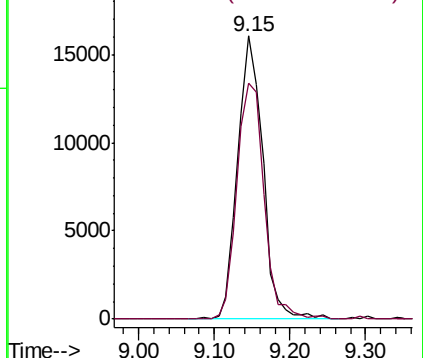
Ion Ratio Lower Upper

107 100

109 83.2 75.8 113.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 55.775 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

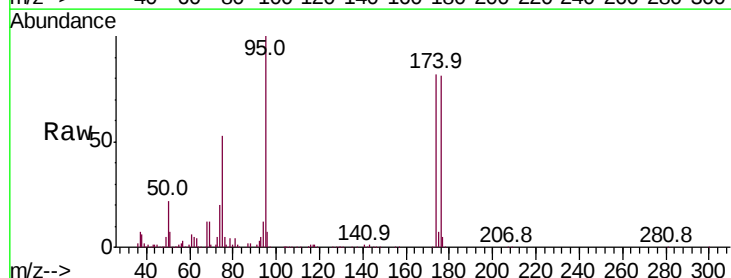
Tgt Ion: 95 Resp: 163497

Ion Ratio Lower Upper

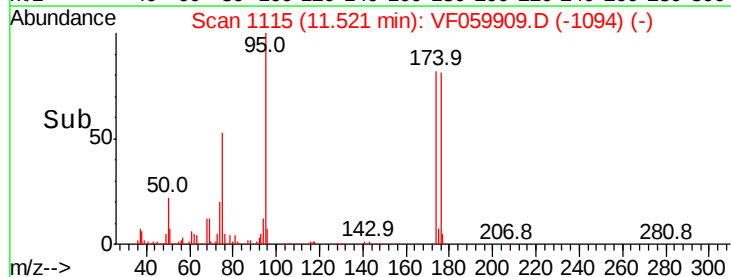
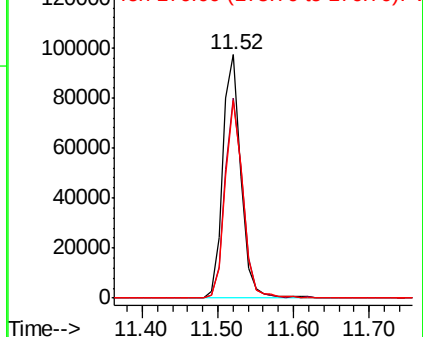
95 100

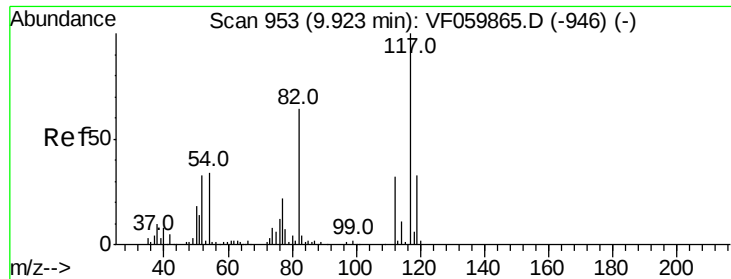
174 82.1 0.0 151.6

176 81.3 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

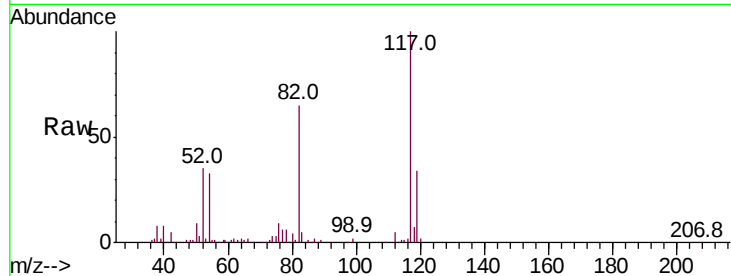




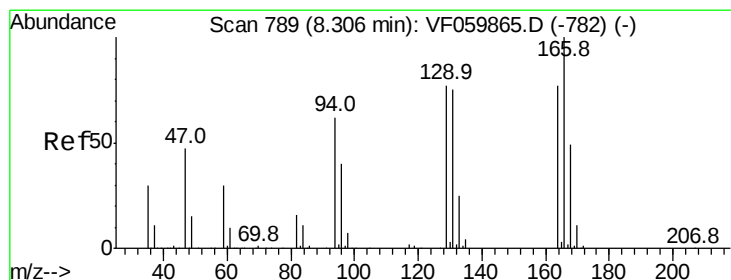
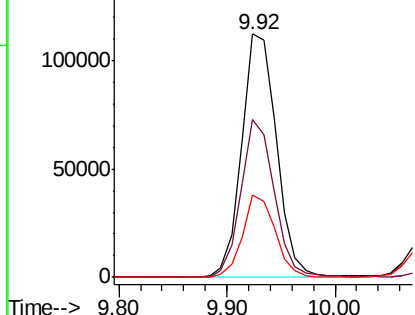
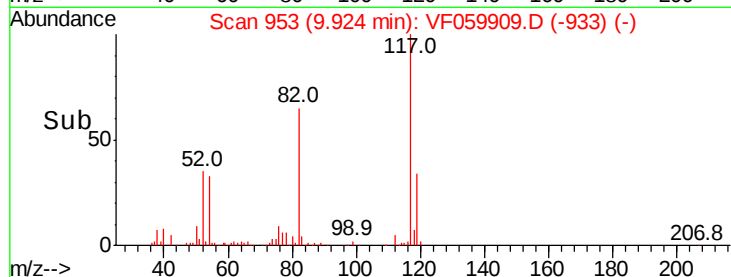
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 253147
Ion Ratio Lower Upper
117 100
82 65.1 51.3 76.9
119 33.9 26.4 39.6

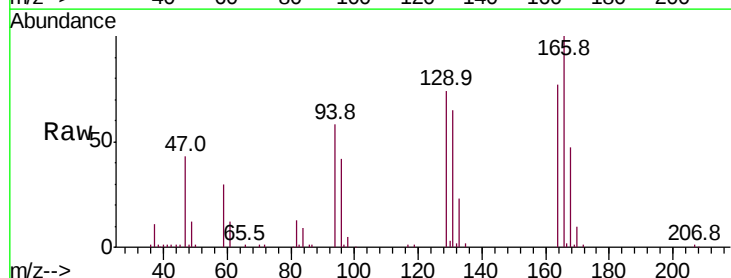


Abundance Ion 117.00 (116.70 to 117.70): V
150000 Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

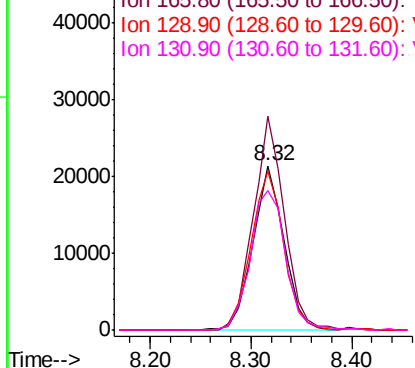
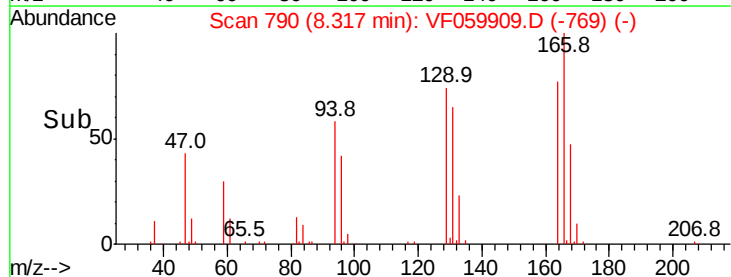


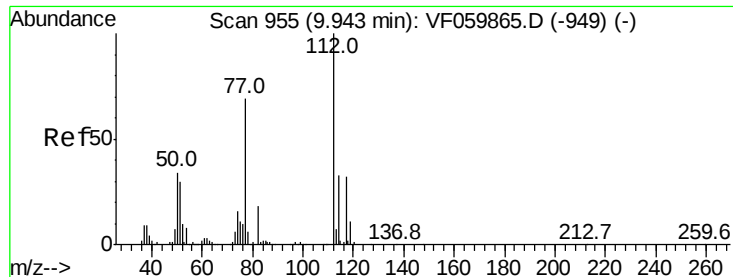
#64
Tetrachloroethene
Concen: 21.015 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion:164 Resp: 45892
Ion Ratio Lower Upper
164 100
166 130.0 104.4 156.6
129 96.8 80.3 120.5
131 85.1 78.5 117.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 20.644 ug/l

RT: 9.95 min Scan# 956

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

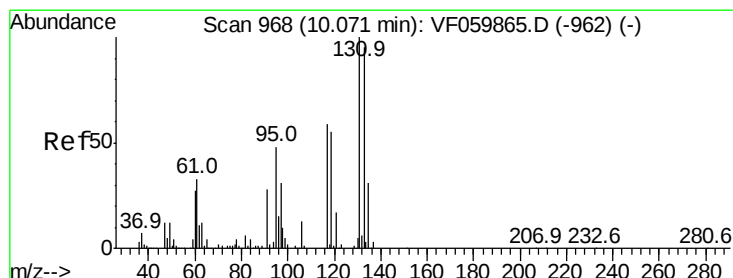
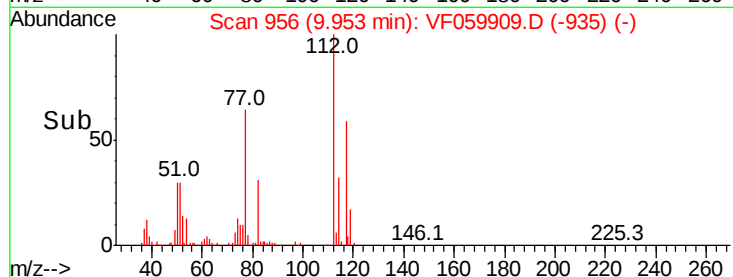
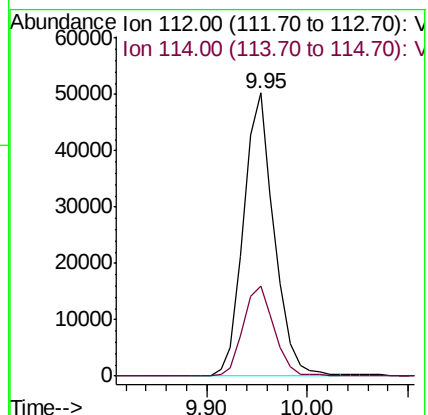
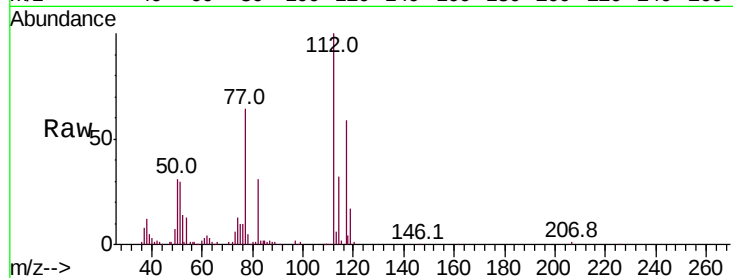
ClientSampleId :

Tot Ion:112 Resp: 106077

Ion Ratio Lower Upper

112 100

114 31.7 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 20.814 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

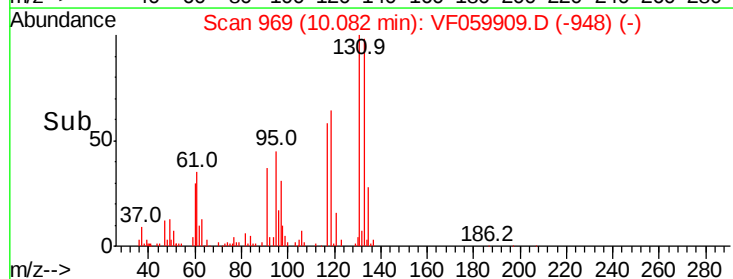
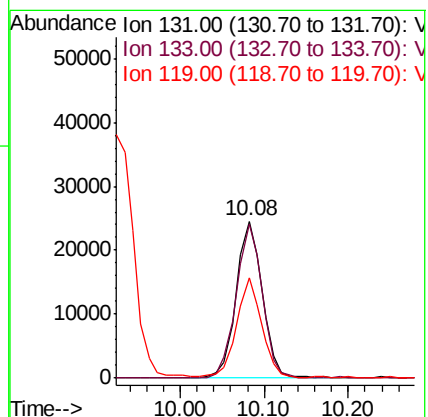
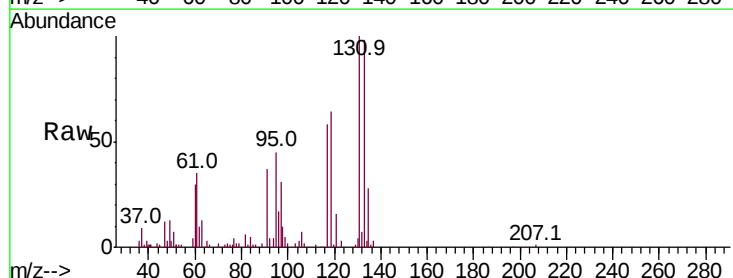
Tgt Ion:131 Resp: 53201

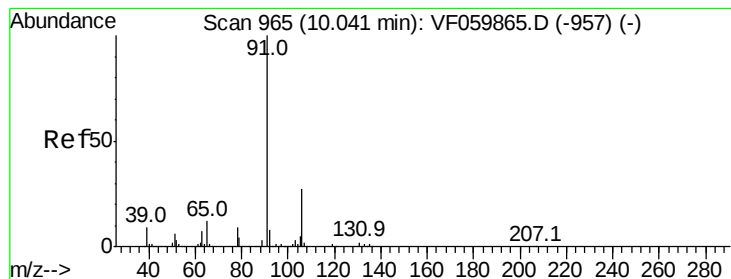
Ion Ratio Lower Upper

131 100

133 97.9 47.4 142.2

119 64.2 27.7 83.1





#67

Ethyl Benzene

Concen: 21.476 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

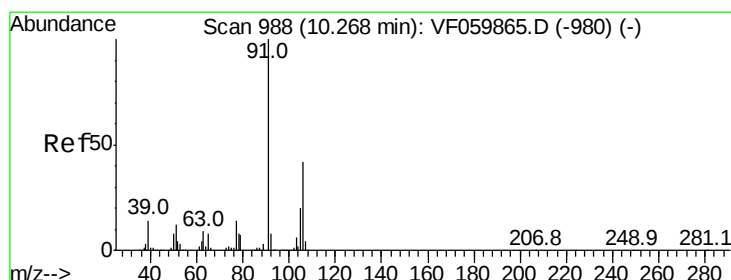
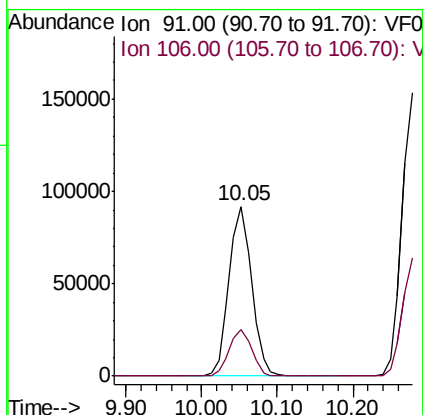
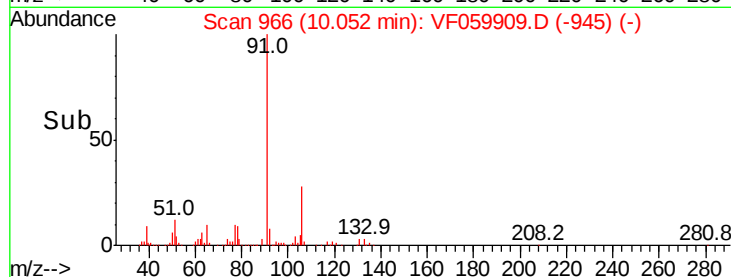
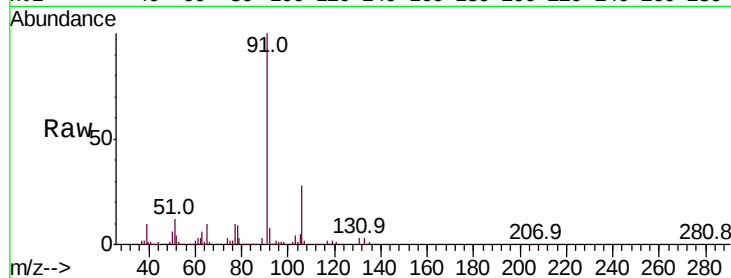
ClientSampleId :

Tot Ion: 91 Resp: 192249

Ion Ratio Lower Upper

91 100

106 27.6 21.5 32.3



#68

m/p-Xylenes

Concen: 41.924 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF059909.D

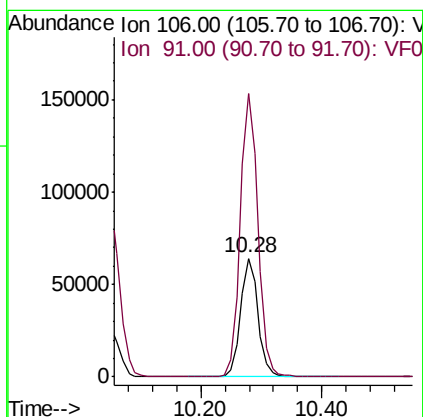
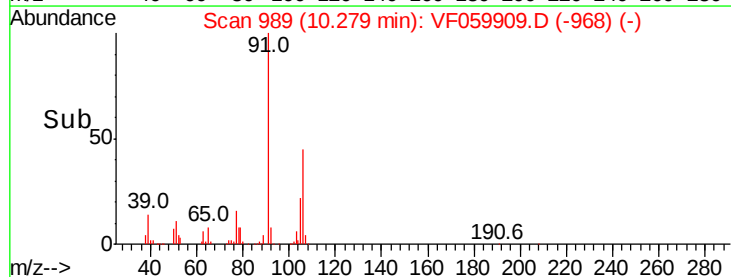
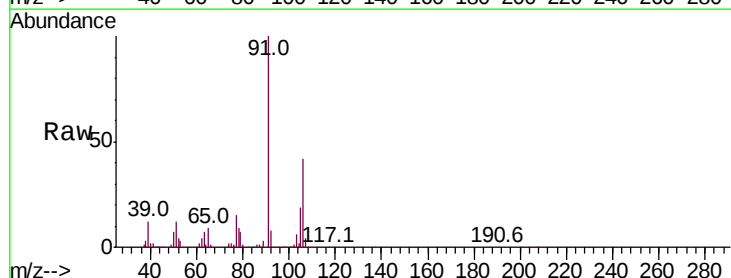
Acq: 7 Aug 2018 8:31

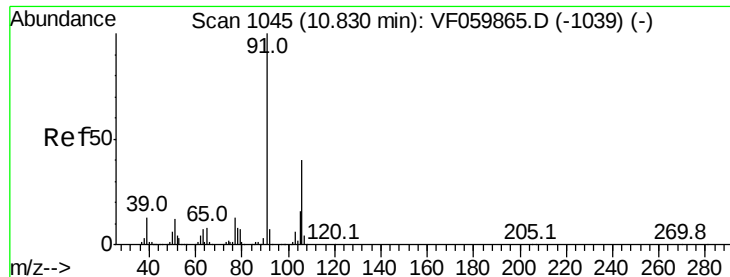
Tgt Ion: 106 Resp: 129731

Ion Ratio Lower Upper

106 100

91 238.4 192.1 288.1

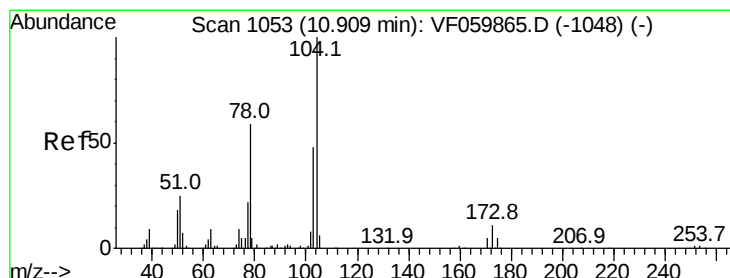
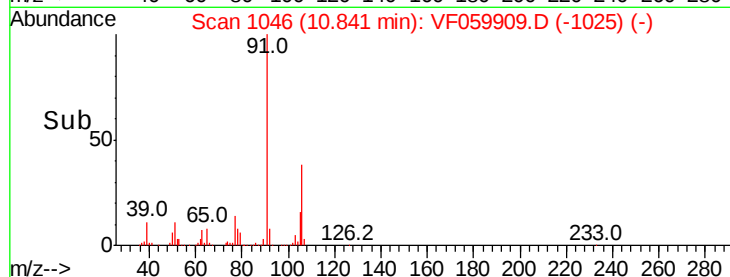
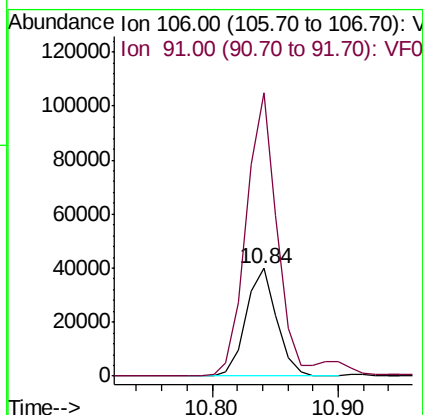
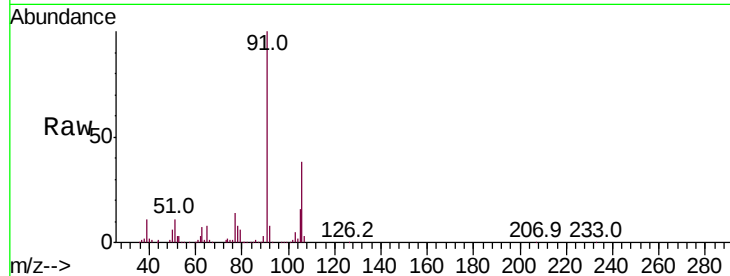




#69
o-Xylene
Concen: 20.788 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

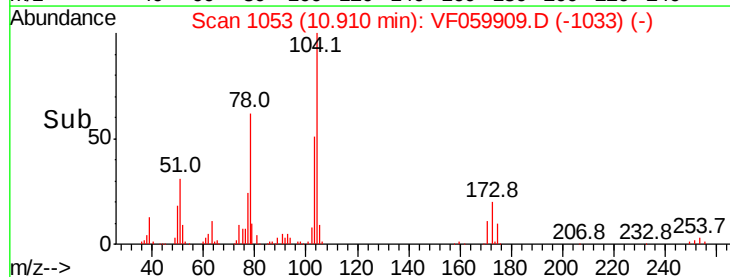
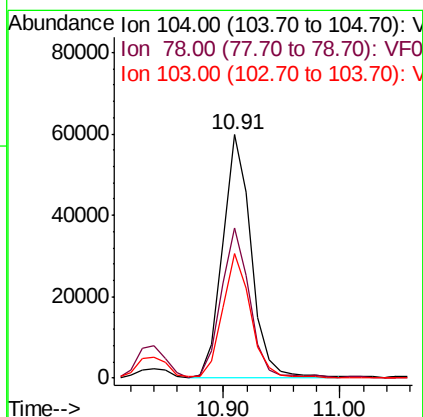
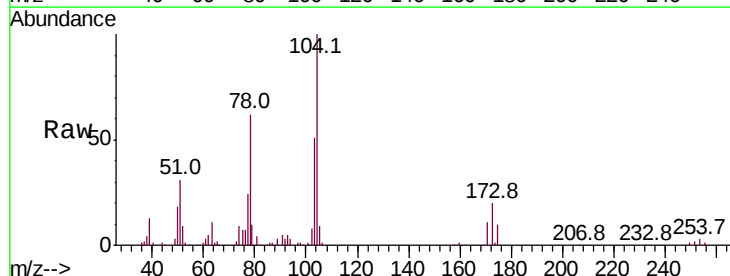
Instrument :
MSVOA_F
ClientSampled :

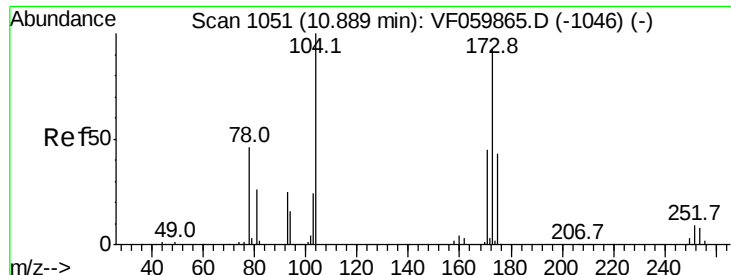
Tot Ion:106 Resp: 68145
Ion Ratio Lower Upper
106 100
91 262.7 125.4 376.2



#70
Styrene
Concen: 20.661 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion:104 Resp: 101066
Ion Ratio Lower Upper
104 100
78 61.9 47.3 70.9
103 51.4 39.0 58.4

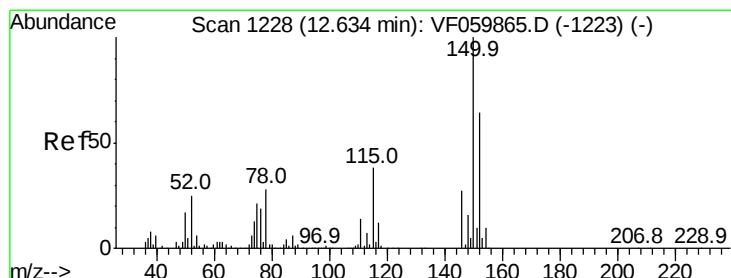
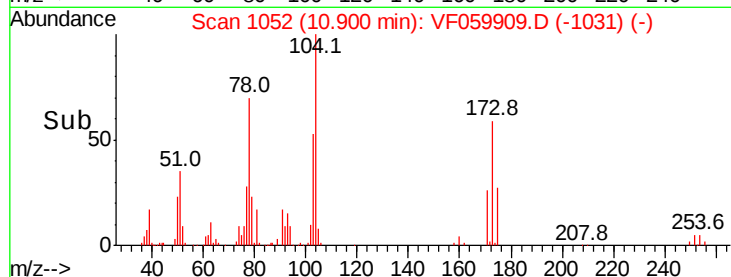
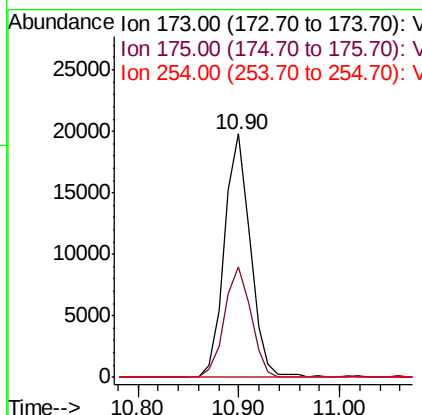
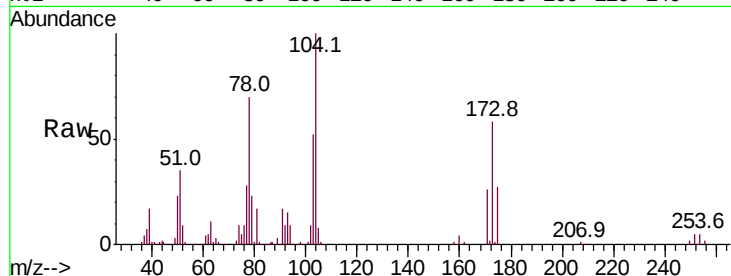




#71
Bromoform
Concen: 22.469 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

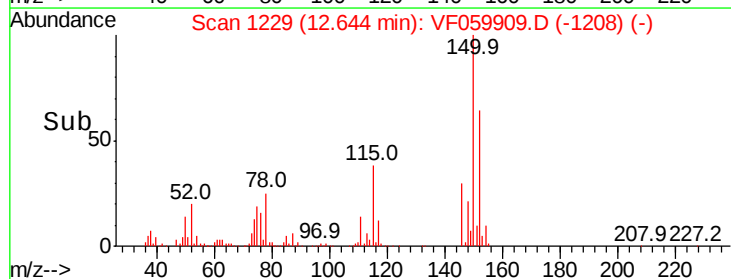
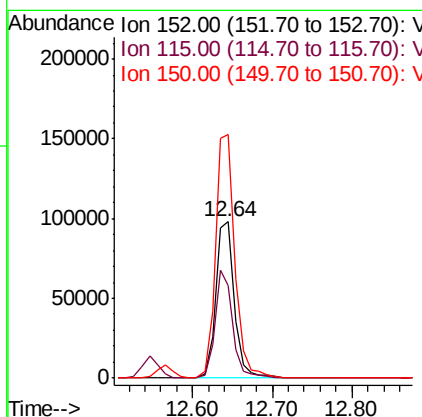
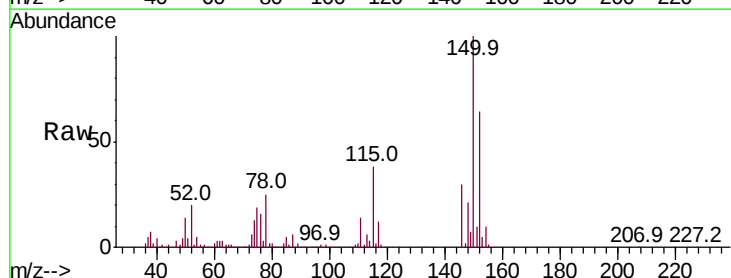
Instrument :
MSVOA_F
ClientSampled :

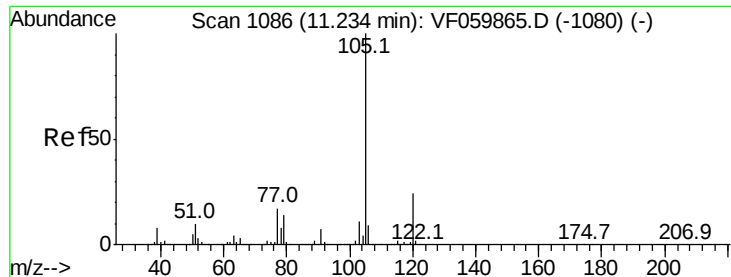
Tot Ion:173 Resp: 35197
Ion Ratio Lower Upper
173 100
175 45.4 23.4 70.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion:152 Resp: 162359
Ion Ratio Lower Upper
152 100
115 59.6 29.8 89.4
150 155.8 0.0 315.6





#73

Isopropylbenzene

Concen: 22.484 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

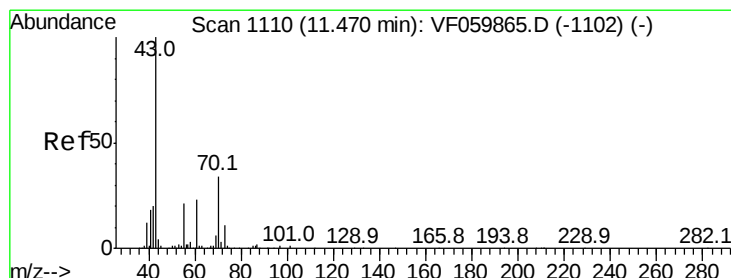
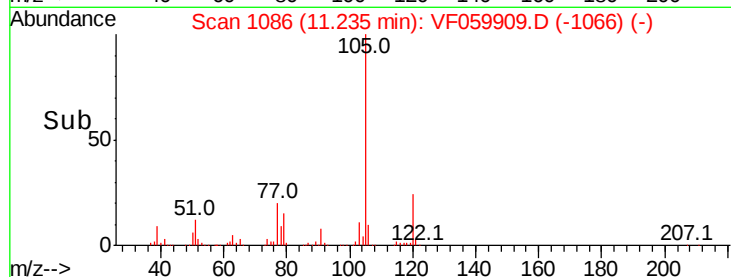
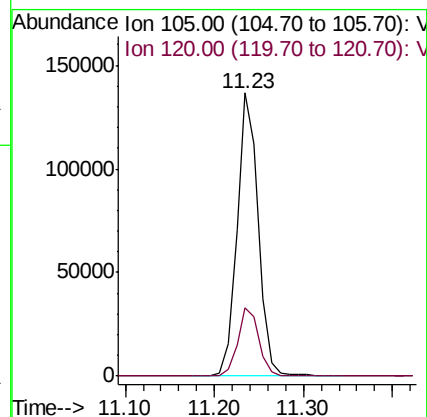
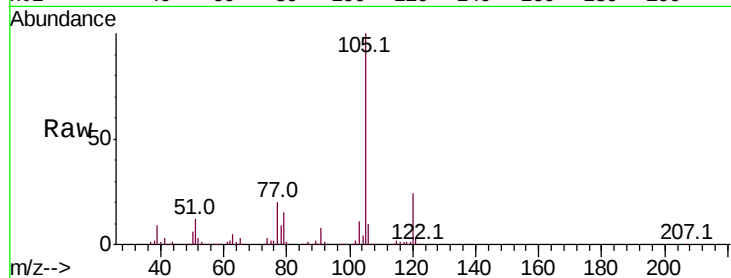
ClientSampleId :

Tot Ion:105 Resp: 227369

Ion Ratio Lower Upper

105 100

120 24.3 12.1 36.3



#74

N-ethyl acetate

Concen: 23.045 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Tgt Ion: 43 Resp: 53426

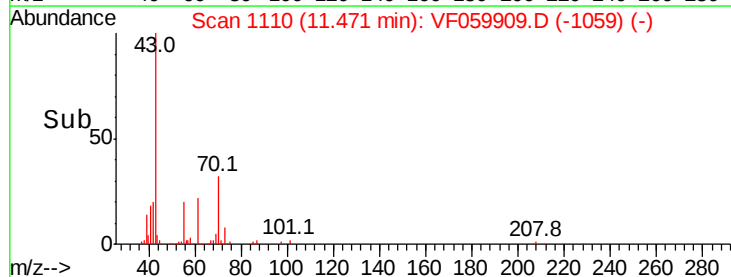
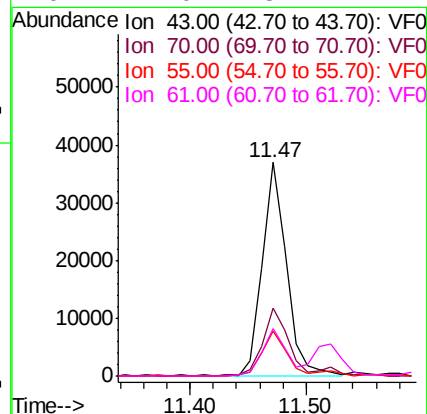
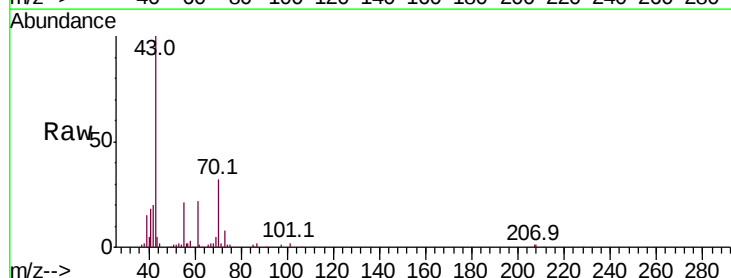
Ion Ratio Lower Upper

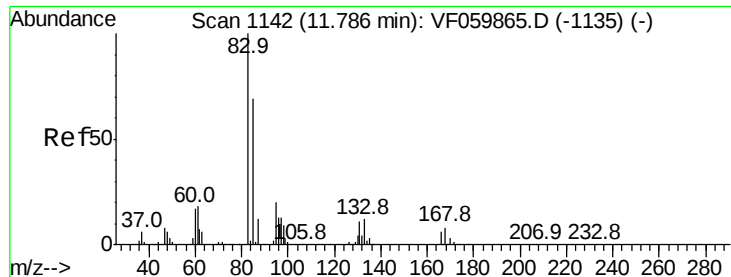
43 100

70 31.6 27.5 41.3

55 21.2 16.6 25.0

61 22.0 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 23.113 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

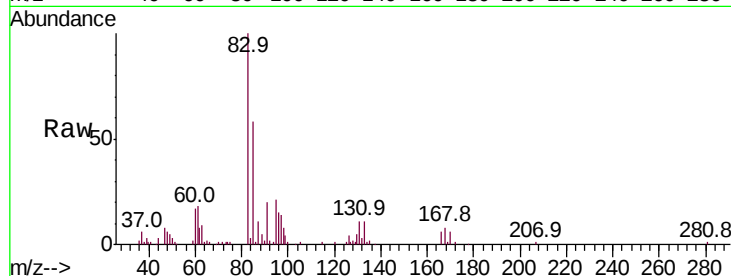
Tot Ion: 83 Resp: 43884

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.9

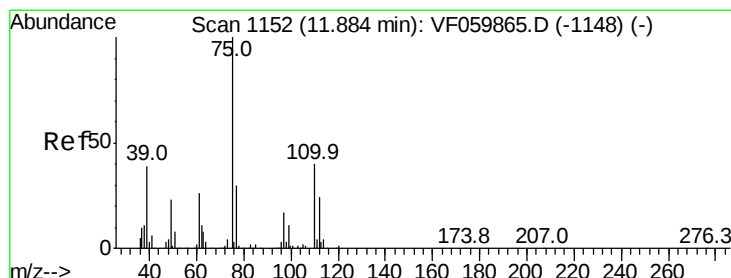
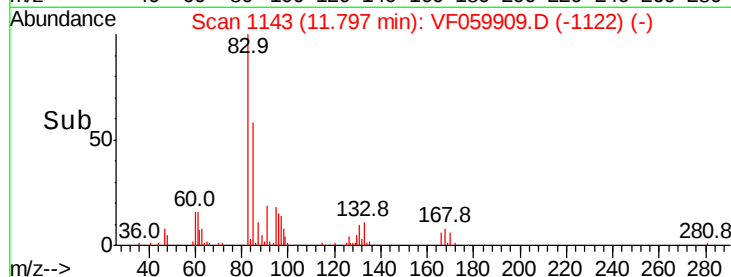
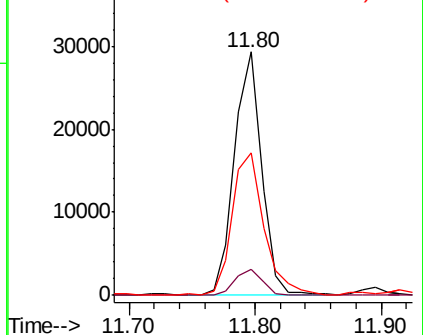
85 58.4 34.5 103.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 22.679 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF059909.D

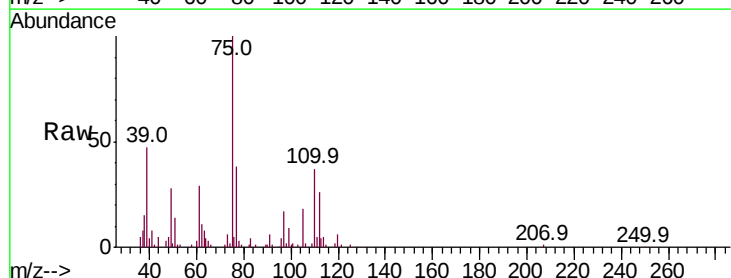
Acq: 7 Aug 2018 8:31

Tgt Ion: 75 Resp: 36984

Ion Ratio Lower Upper

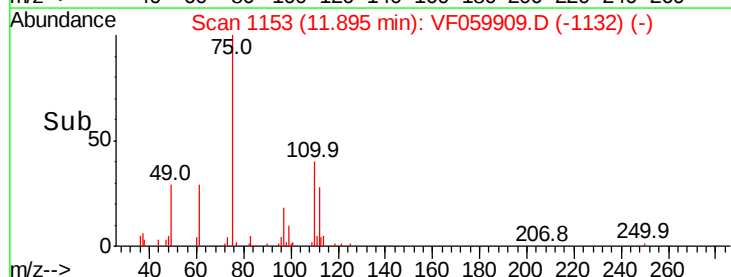
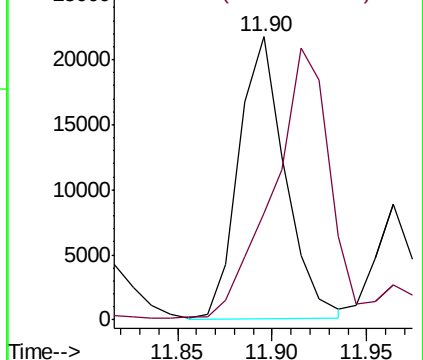
75 100

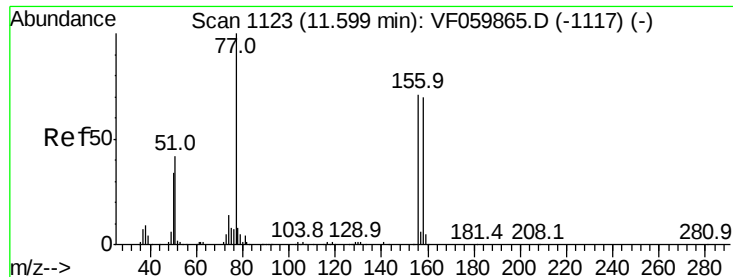
77 37.7 15.4 46.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.302 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

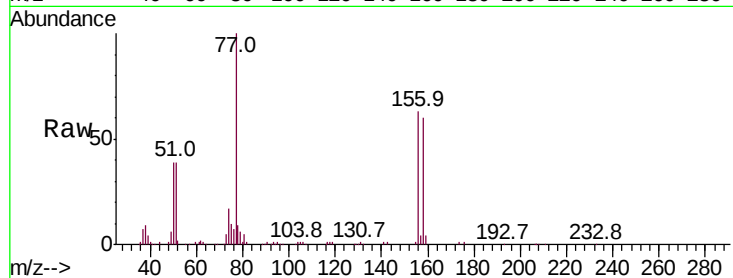
Tot Ion:156 Resp: 61334

Ion Ratio Lower Upper

156 100

77 158.8 70.2 210.6

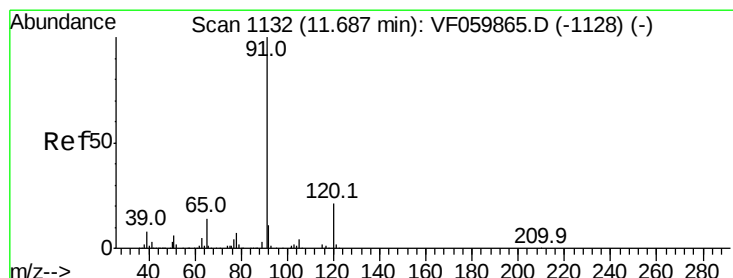
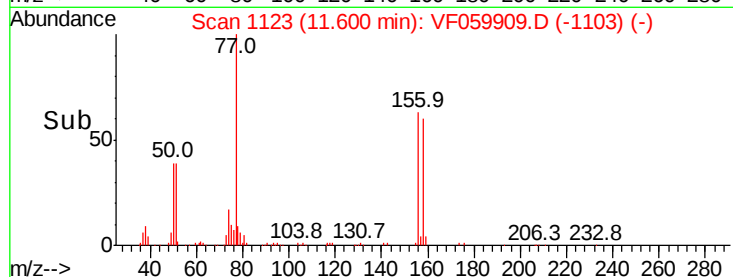
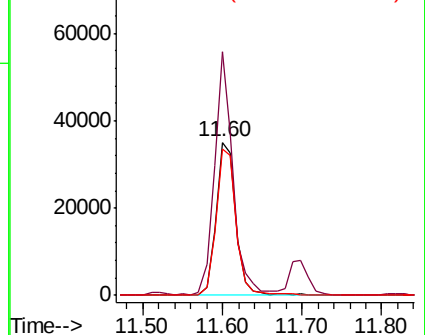
158 95.3 49.2 147.6



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: 22.102 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF059909.D

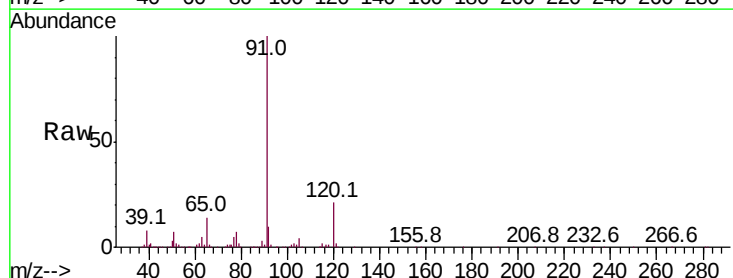
Acq: 7 Aug 2018 8:31

Tgt Ion: 91 Resp: 263961

Ion Ratio Lower Upper

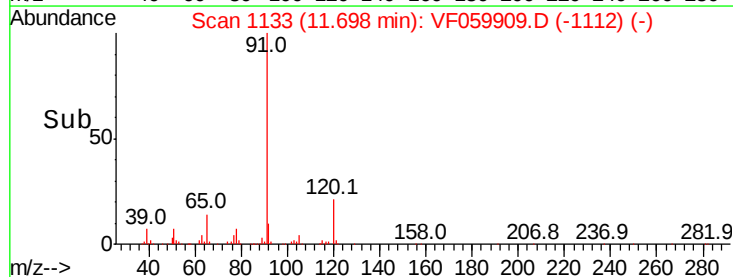
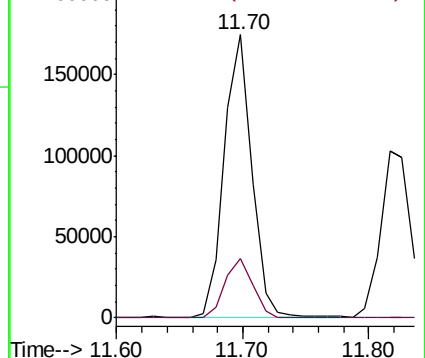
91 100

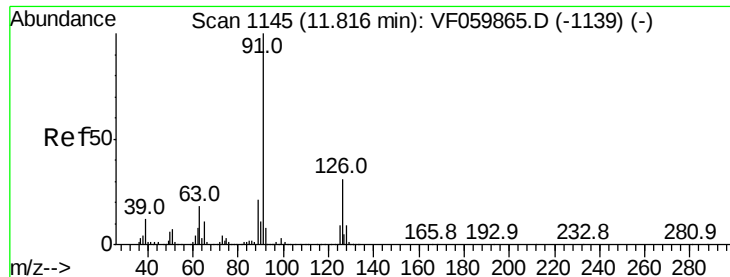
120 20.8 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

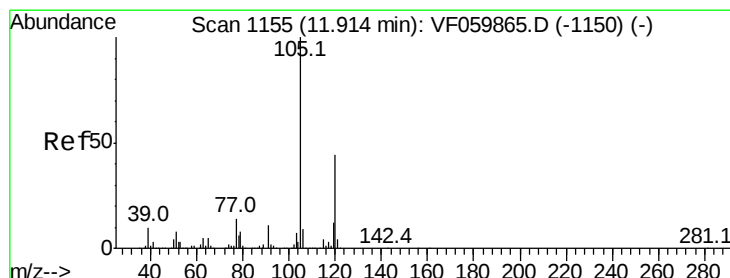
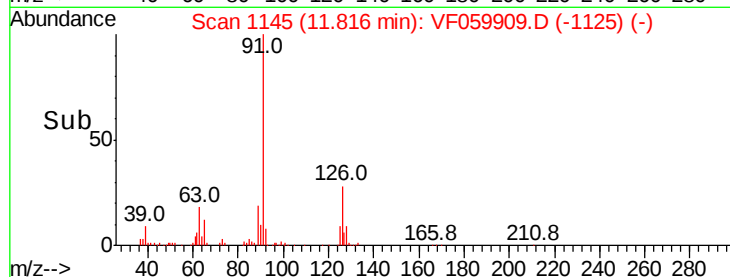
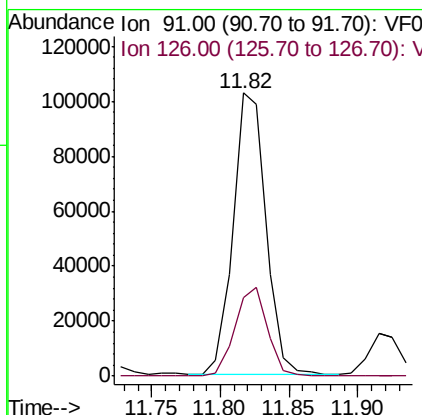
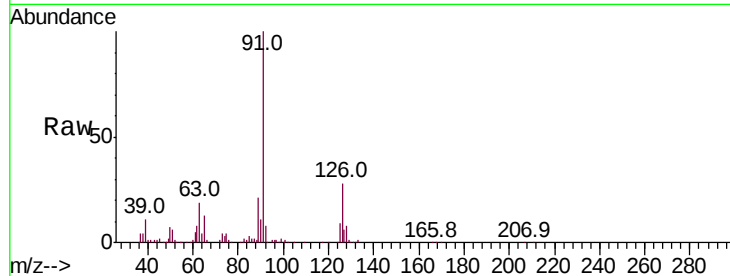




#79
 2-Chlorotoluene
 Concen: 22.413 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

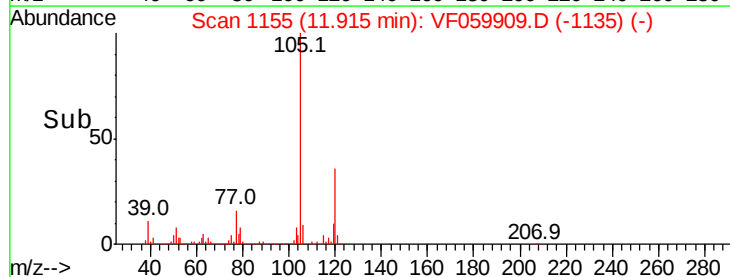
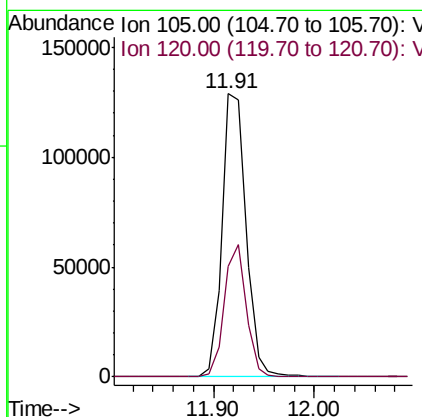
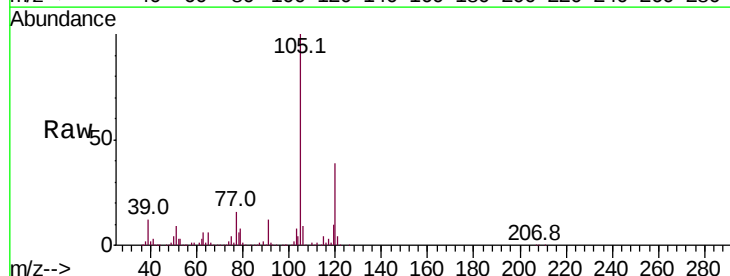
Instrument :
 MSVOA_F
 ClientSampled :

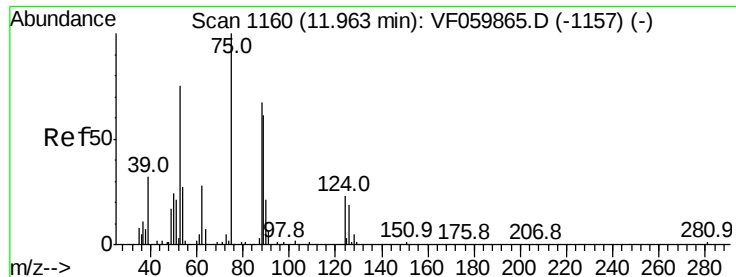
Tot Ion: 91 Resp: 169322
 Ion Ratio Lower Upper
 91 100
 126 27.6 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 22.869 ug/l
 RT: 11.91 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Tgt Ion:105 Resp: 214747
 Ion Ratio Lower Upper
 105 100
 120 39.0 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 33.842 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

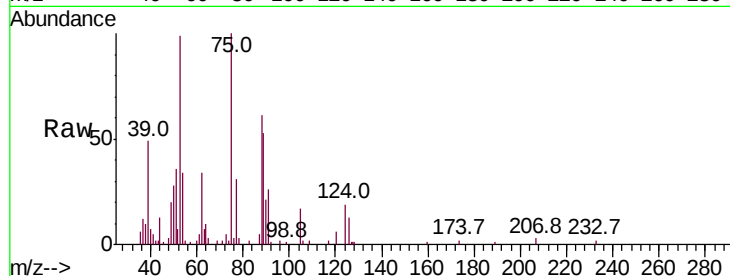
Tot Ion: 75 Resp: 19823

Ion Ratio Lower Upper

75 100

53 98.7 65.9 98.9

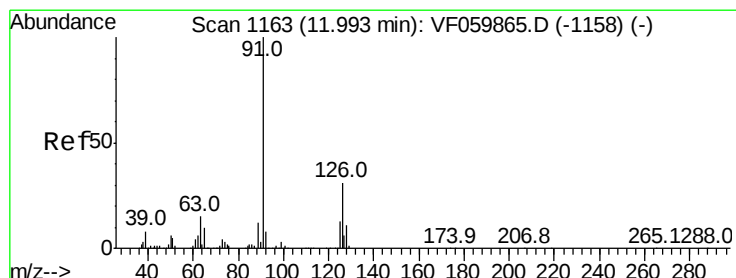
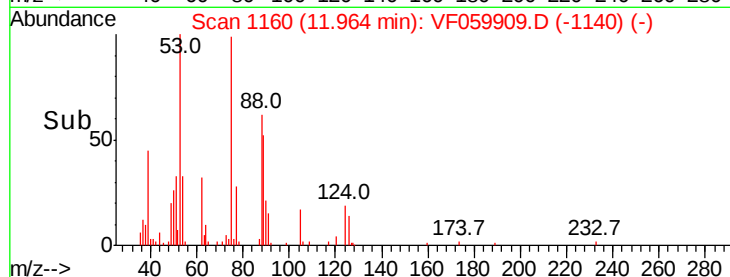
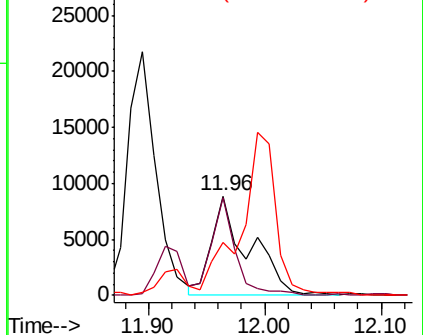
89 52.7 50.6 76.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 22.421 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059909.D

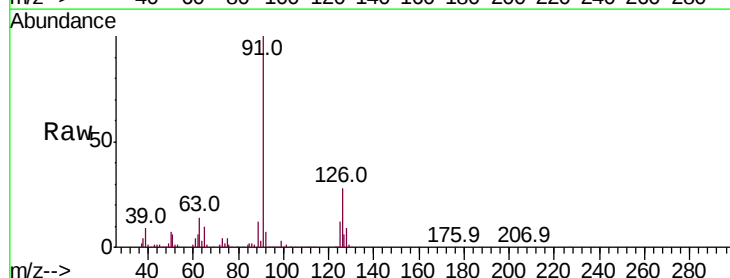
Acq: 7 Aug 2018 8:31

Tgt Ion: 91 Resp: 183919

Ion Ratio Lower Upper

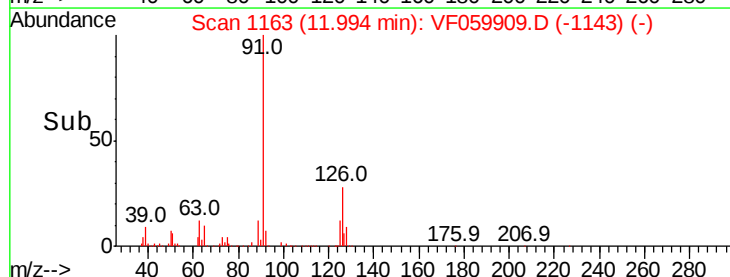
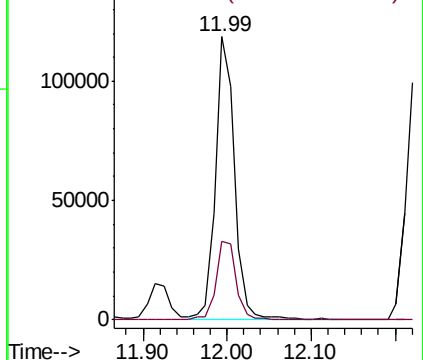
91 100

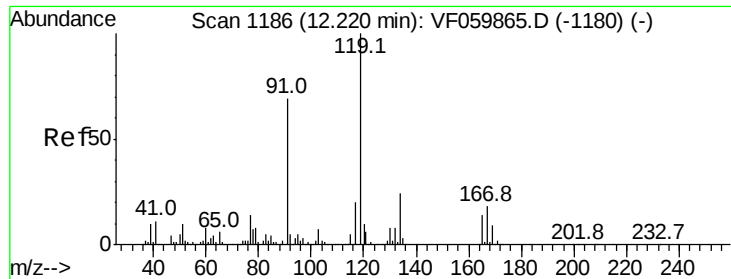
126 27.8 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 22.802 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

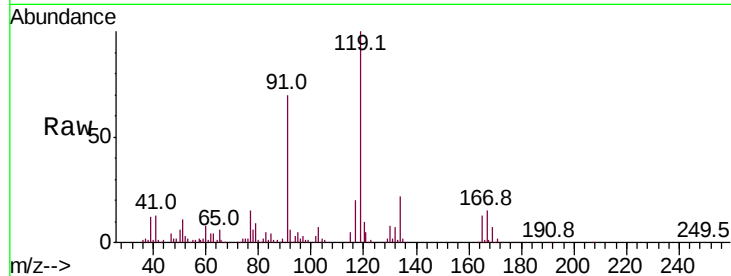
Tot Ion:119 Resp: 208421

Ion Ratio Lower Upper

119 100

91 70.1 34.4 103.2

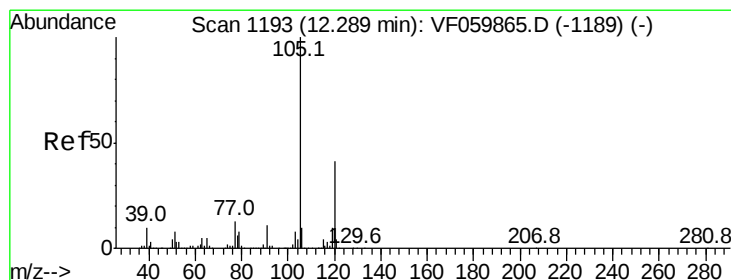
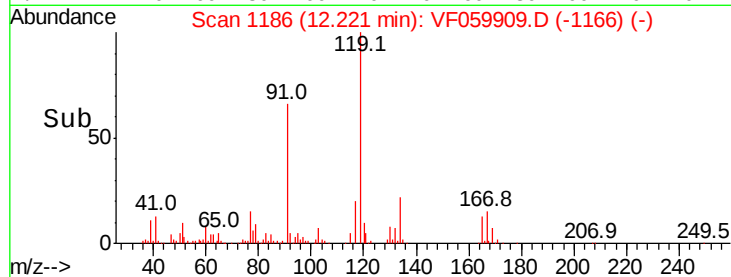
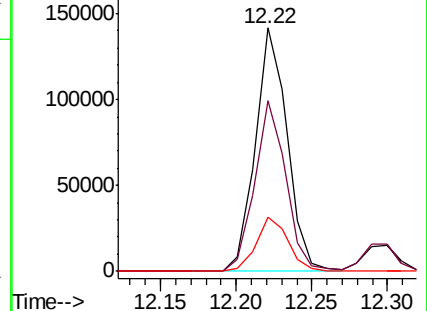
134 22.4 12.1 36.3



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: 22.875 ug/l

RT: 12.30 min Scan# 1194

Delta R.T. 0.01 min

Lab File: VF059909.D

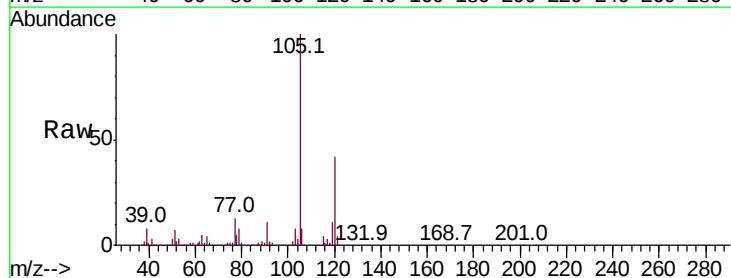
Acq: 7 Aug 2018 8:31

Tgt Ion:105 Resp: 220918

Ion Ratio Lower Upper

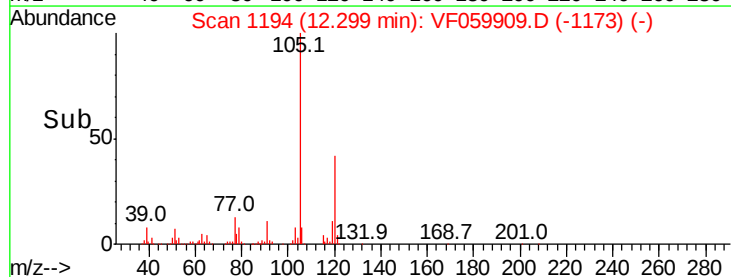
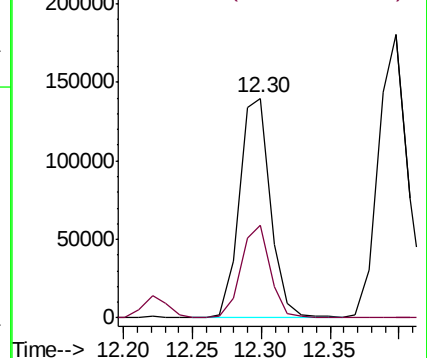
105 100

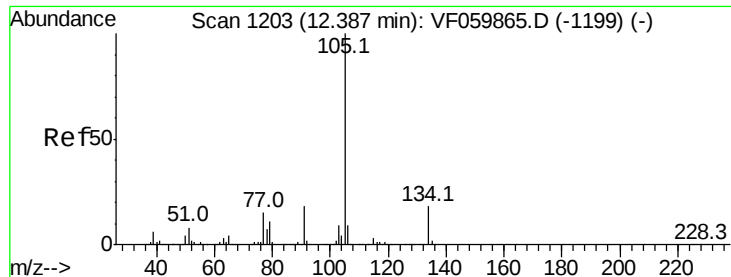
120 42.4 20.8 62.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

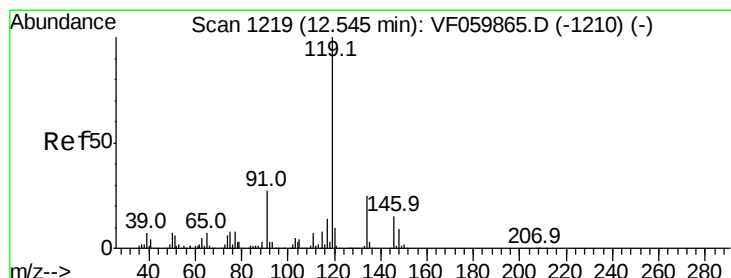
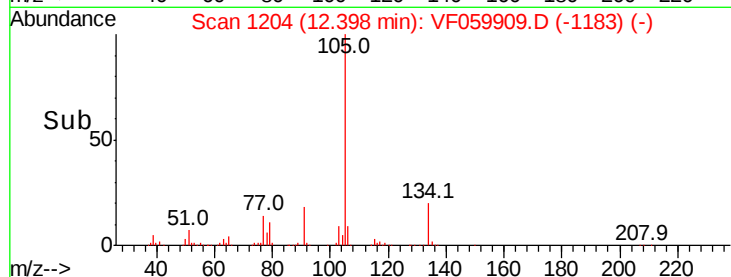
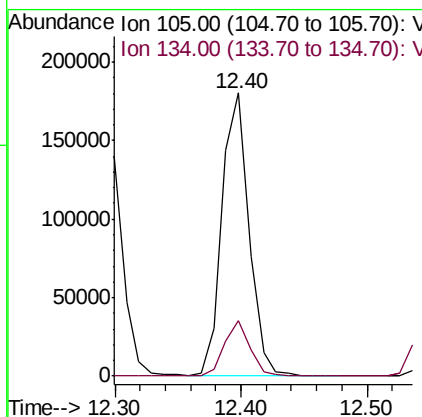
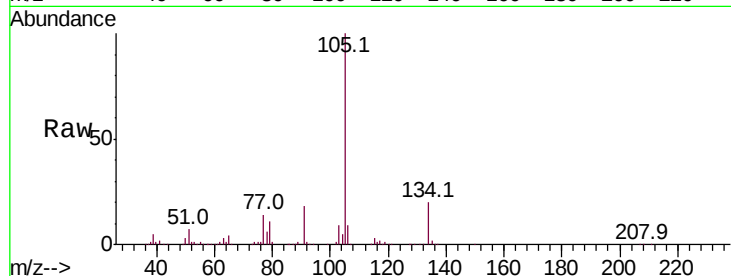




#85
 sec-Butylbenzene
 Concen: 22.099 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

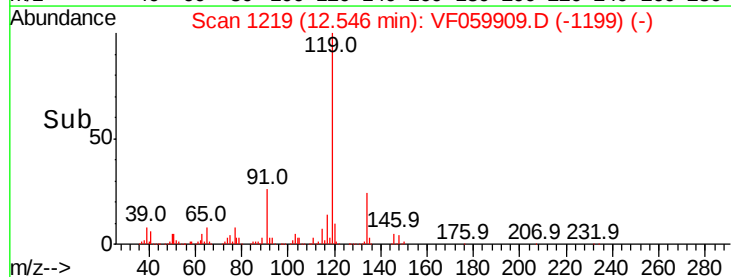
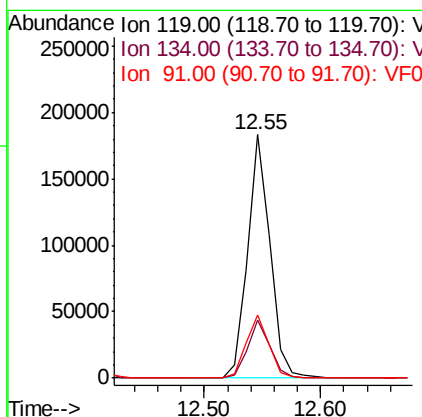
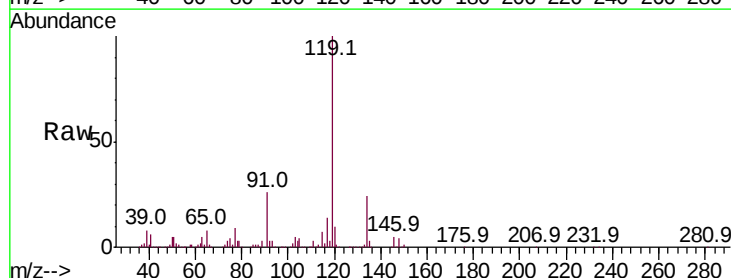
Instrument :
 MSVOA_F
 ClientSampled :

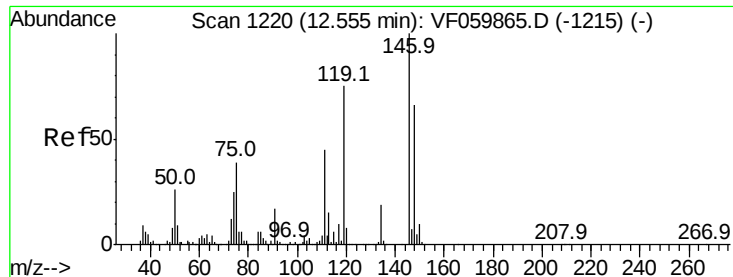
Tot Ion:105 Resp: 268405
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 23.956 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Tgt Ion:119 Resp: 244550
 Ion Ratio Lower Upper
 119 100
 134 23.6 12.4 37.0
 91 26.1 13.6 40.7





#87

1,3-Dichlorobenzene

Concen: 22.823 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. 0.01 min

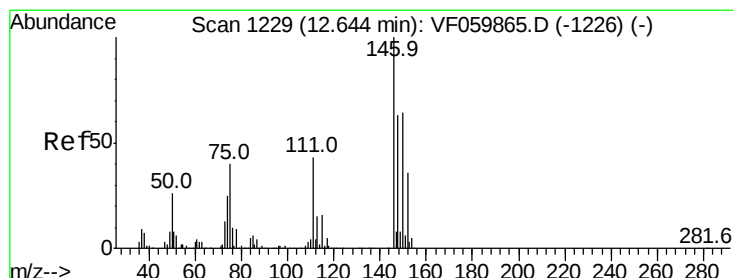
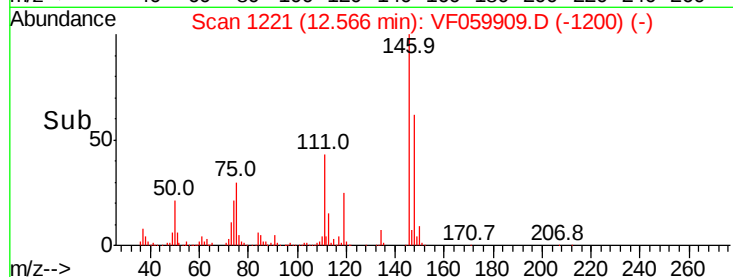
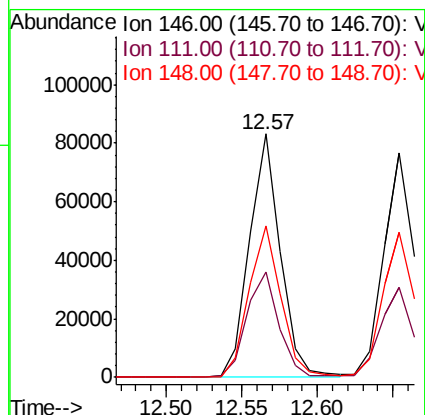
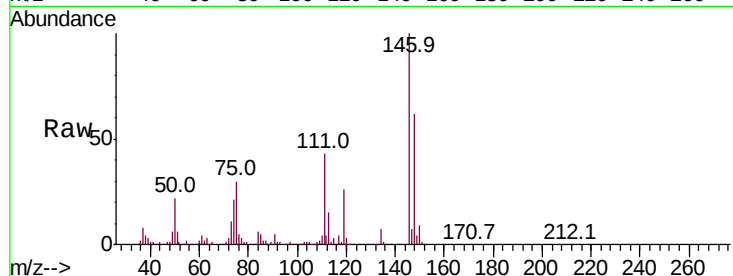
Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:146 Resp: 118928

Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.4	67.0
148	62.0	33.1	99.3



#88

1,4-Dichlorobenzene

Concen: 22.181 ug/l

RT: 12.65 min Scan# 1230

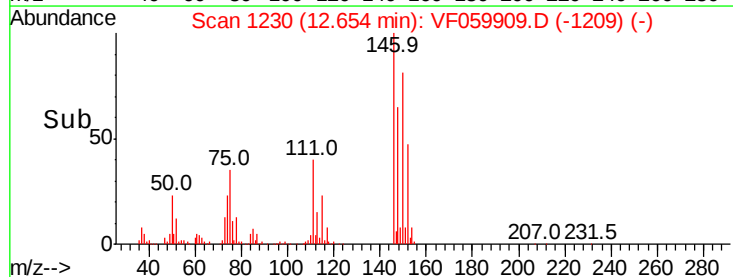
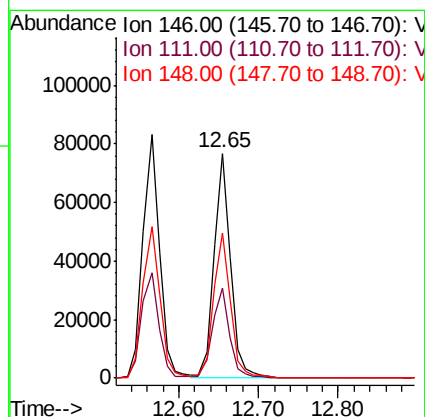
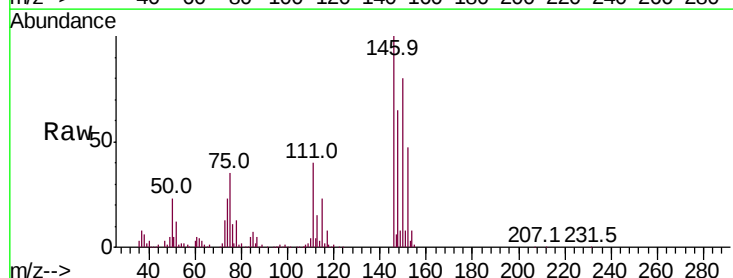
Delta R.T. 0.01 min

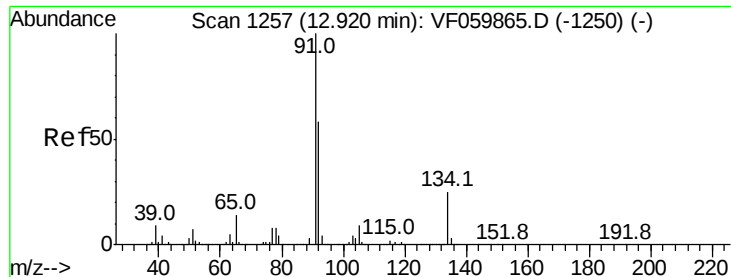
Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Tgt Ion:146 Resp: 113464

Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.4	64.2
148	64.6	31.6	94.7

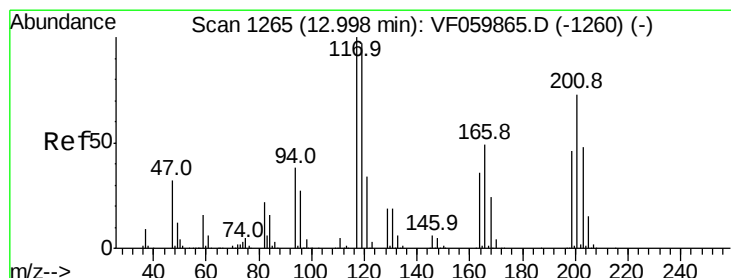
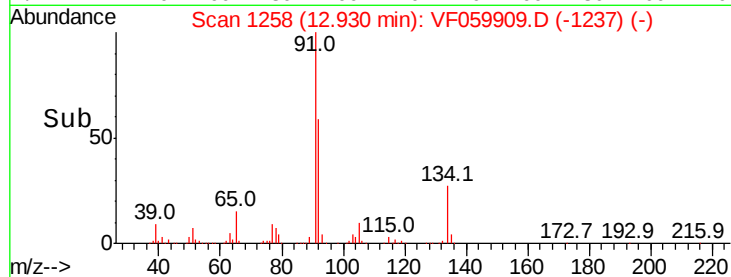
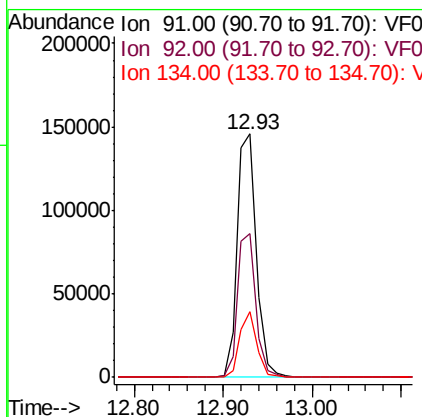
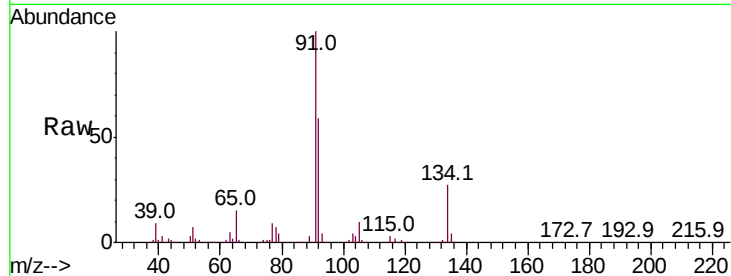




#89
n-Butylbenzene
Concen: 22.726 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

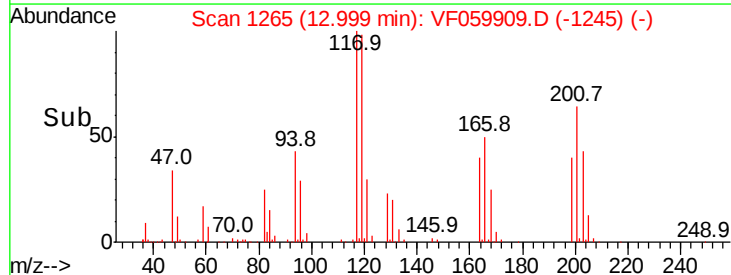
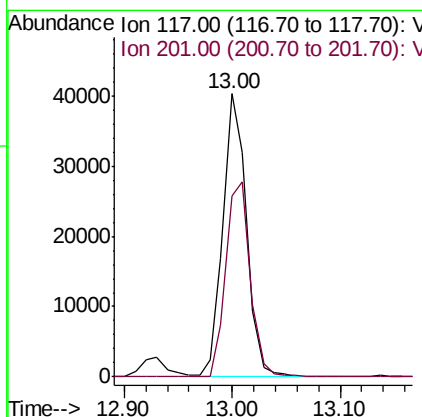
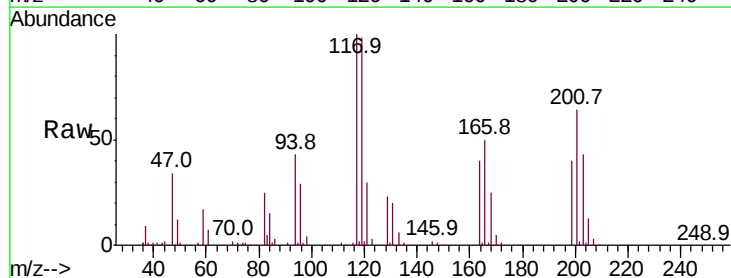
Instrument :
MSVOA_F
ClientSampleId :

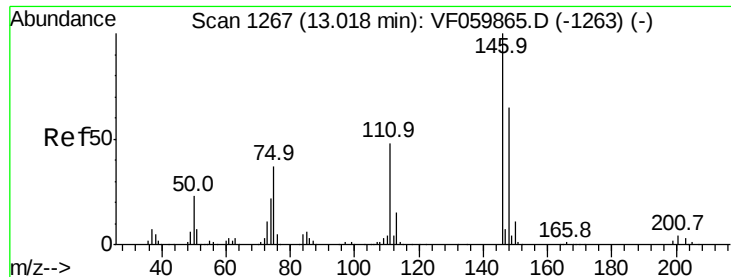
Tot Ion: 91 Resp: 221100
Ion Ratio Lower Upper
91 100
92 59.2 28.8 86.5
134 26.9 12.6 37.6



#90
Hexachloroethane
Concen: 21.781 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion: 117 Resp: 61355
Ion Ratio Lower Upper
117 100
201 65.4 36.6 109.8





#91

1,2-Dichlorobenzene

Concen: 23.783 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

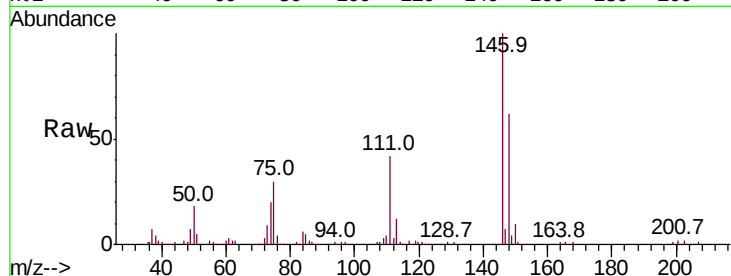
Tot Ion:146 Resp: 119257

Ion Ratio Lower Upper

146 100

111 42.3 24.1 72.2

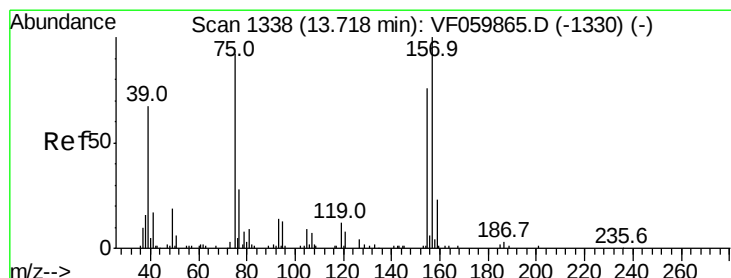
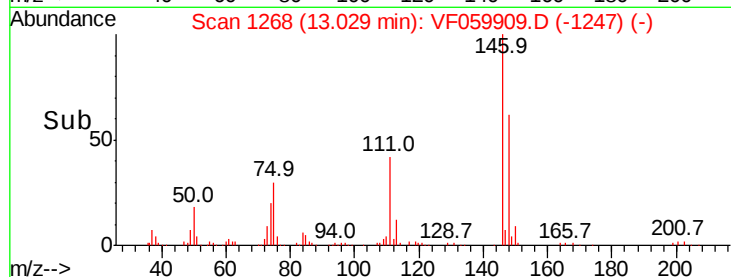
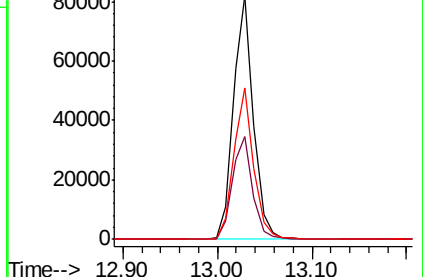
148 62.2 32.8 98.3



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: 25.148 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

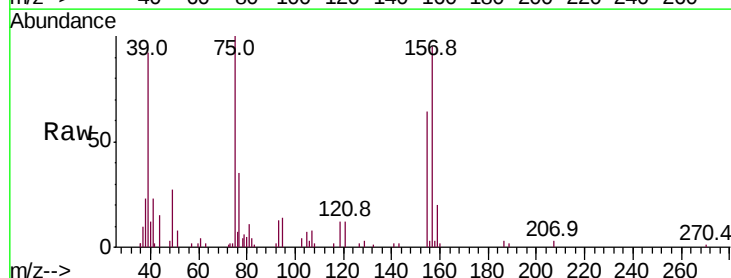
Tgt Ion: 75 Resp: 12037

Ion Ratio Lower Upper

75 100

155 63.8 41.2 123.6

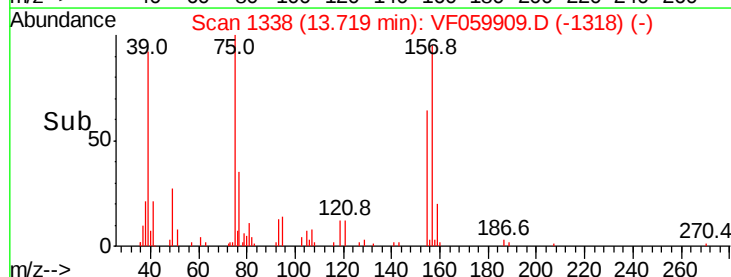
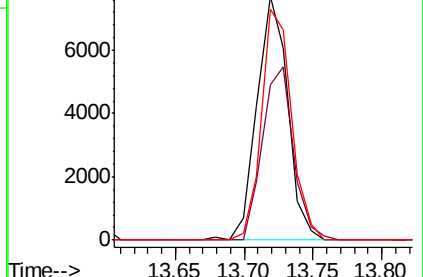
157 94.8 54.5 163.6

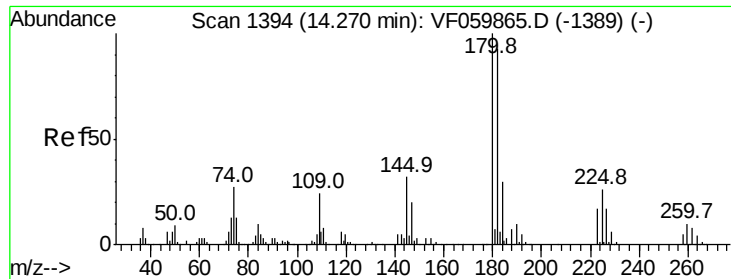


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

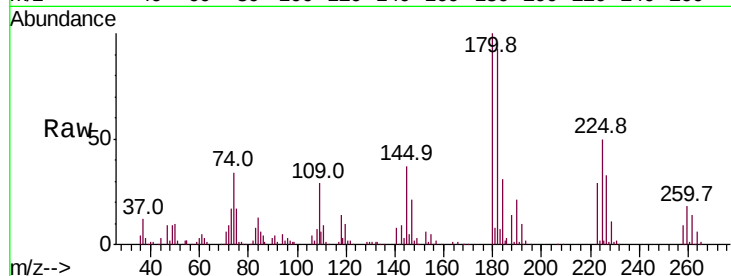




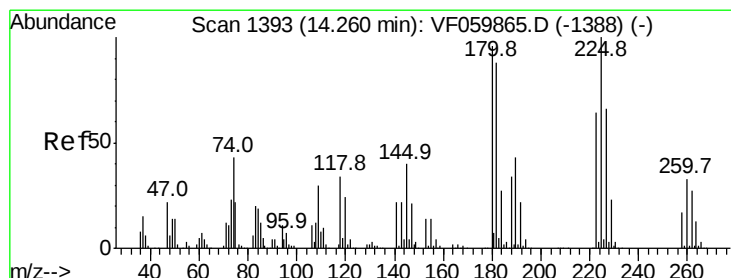
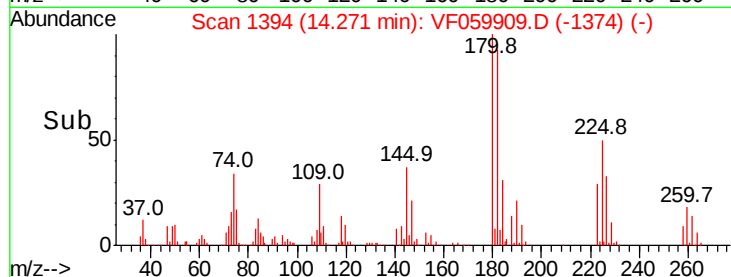
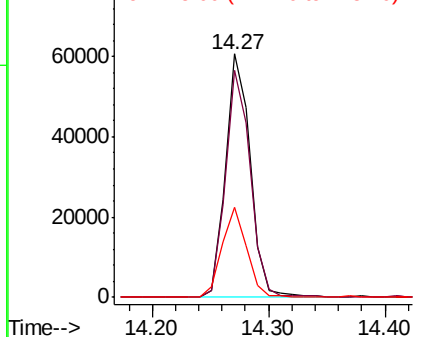
#93
 1,2,4-Trichlorobenzene
 Concen: 23.525 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 89563
 Ion Ratio Lower Upper
 180 100
 182 93.5 46.4 139.2
 145 36.9 15.9 47.7

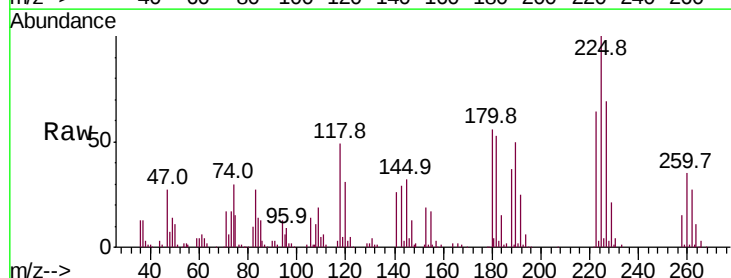


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

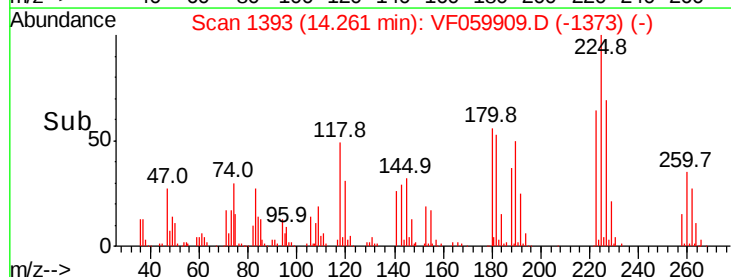
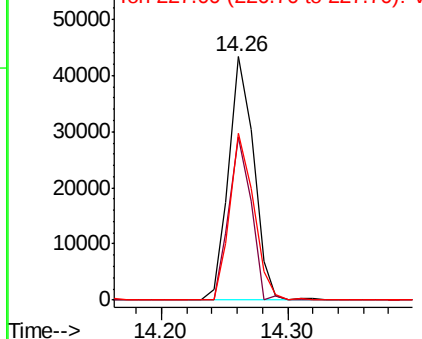


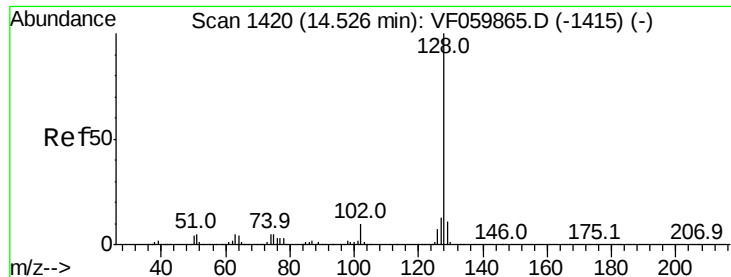
#94
 Hexachlorobutadiene
 Concen: 22.382 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Tgt Ion:225 Resp: 60197
 Ion Ratio Lower Upper
 225 100
 223 66.8 31.9 95.9
 227 68.6 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

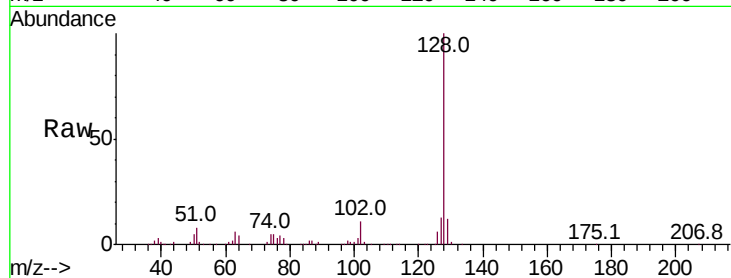




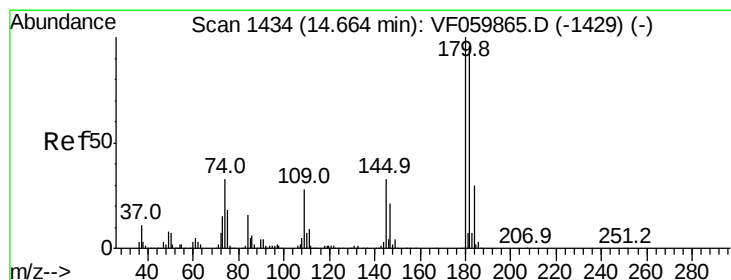
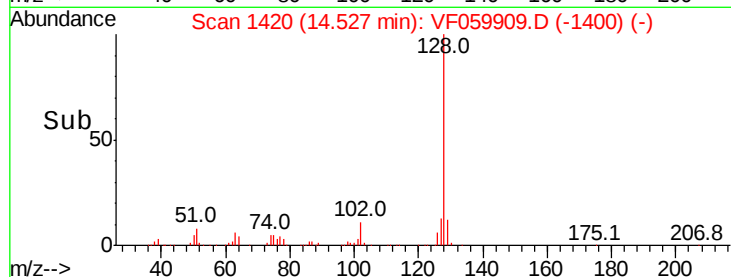
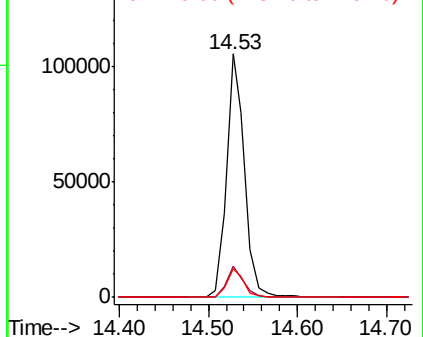
#95
Naphthalene
Concen: 22.952 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:128 Resp: 151285
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.5 9.0 13.6

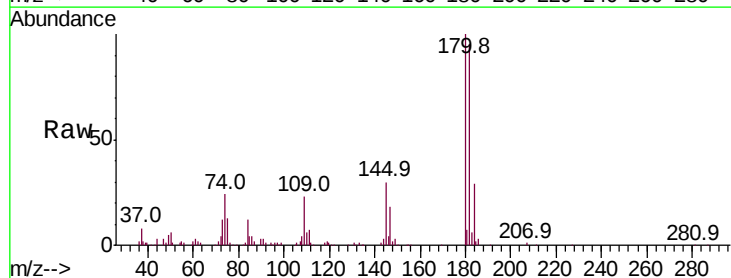


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 24.045 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion:180 Resp: 90404
Ion Ratio Lower Upper
180 100
182 95.1 48.1 144.3
145 29.9 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

