

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062718\
 Data File : VF059334.D
 Acq On : 27 Jun 2018 13:01
 Operator : VA/AP
 Sample : VF0627SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 27 16:03:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	294522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	473608	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	467922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	283842	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	173381	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	
35) Dibromofluoromethane	4.28	113	155964	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	
50) Toluene-d8	7.70	98	362881	42.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.70%	
62) 4-Bromofluorobenzene	11.50	95	200160	41.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	55339	20.57	ug/l	93
3) Chloromethane	1.08	50	36161	20.00	ug/l	95
4) Vinyl Chloride	1.14	62	42199	23.71	ug/l	99
5) Bromomethane	1.34	94	24793	22.21	ug/l	99
6) Chloroethane	1.42	64	20934	23.36	ug/l	94
7) Trichlorofluoromethane	1.48	101	26963	7.66	ug/l	99
8) Diethyl Ether	1.69	74	20324	22.53	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.89	101	44728	21.78	ug/l	97
10) Methyl Iodide	1.96	142	56434	15.07	ug/l	98
11) Tert butyl alcohol	2.67	59	26061	102.88	ug/l	95
12) 1,1-Dichloroethene	1.85	96	37987	21.88	ug/l	93
13) Acrolein	2.08	56	15834	121.12	ug/l	94
14) Allyl chloride	2.18	41	75278	23.09	ug/l	91
15) Acrylonitrile	3.07	53	56308	126.22	ug/l	87
16) Acetone	2.32	43	129716	131.67	ug/l	98
17) Carbon Disulfide	1.83	76	35848	8.78	ug/l	99
18) Methyl Acetate	2.44	43	37009	20.87	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	144451	22.30	ug/l	# 89
20) Methylene Chloride	2.26	84	35023	10.59	ug/l	93
21) trans-1,2-Dichloroethene	2.40	96	44718	24.14	ug/l	91
22) Diisopropyl ether	2.92	45	165213	22.89	ug/l	94
23) Vinyl Acetate	3.32	43	553213	120.35	ug/l	99
24) 1,1-Dichloroethane	2.98	63	98723	22.06	ug/l	98
25) 2-Butanone	4.49	43	149259	128.33	ug/l	94
26) 2,2-Dichloropropane	3.74	77	73574	23.84	ug/l	84
27) cis-1,2-Dichloroethene	3.63	96	63133	22.45	ug/l	88
28) Bromochloromethane	3.87	49	45607	24.36	ug/l	95
29) Tetrahydrofuran	4.24	42	63299	124.90	ug/l	97
30) Chloroform	4.02	83	131358	20.28	ug/l	98
31) Cyclohexane	3.84	56	65009	22.17	ug/l	96
32) 1,1,1-Trichloroethane	4.27	97	106745	22.52	ug/l	93
36) 1,1-Dichloropropene	4.44	75	88843	21.47	ug/l	99
37) Ethyl Acetate	4.28	43	57878	21.01	ug/l	96
38) Carbon Tetrachloride	4.16	117	118038	22.61	ug/l	89

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 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	82857	22.60	ug/l	96
40) Benzene	4.80	78	196336	21.40	ug/l	98
41) Methacrylonitrile	4.91	41	27792	19.69	ug/l #	87
42) 1,2-Dichloroethane	5.10	62	101322	18.90	ug/l	99
43) Isopropyl Acetate	7.09	43	74494	21.62	ug/l #	100
44) Trichloroethene	5.67	130	67071	21.31	ug/l	93
45) 1,2-Dichloropropane	6.39	63	55930	21.34	ug/l #	87
46) Dibromomethane	6.24	93	45778	20.12	ug/l	98
47) Bromodichloromethane	6.53	83	97571	17.72	ug/l	95
48) Methyl methacrylate	6.86	41	49964	21.63	ug/l	90
49) 1,4-Dioxane	6.86	88	6177	479.07	ug/l	91
51) 4-Methyl-2-Pentanone	8.40	43	285047	111.65	ug/l	100
52) Toluene	7.77	92	130102	18.95	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	101110	20.14	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	108114	19.83	ug/l	93
55) 1,1,2-Trichloroethane	8.62	97	54518	20.46	ug/l	96
56) Ethyl methacrylate	8.75	69	66702	20.20	ug/l	95
57) 1,3-Dichloropropane	8.99	76	96133	21.03	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	24170	97.61	ug/l	100
59) 2-Hexanone	9.62	43	246857	119.91	ug/l	100
60) Dibromochloromethane	8.85	129	83388	20.27	ug/l	93
61) 1,2-Dibromoethane	9.14	107	28151	8.71	ug/l #	63
64) Tetrachloroethene	8.30	164	66111	21.78	ug/l	96
65) Chlorobenzene	9.92	112	166843	19.24	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	76025	20.27	ug/l	93
67) Ethyl Benzene	10.02	91	313428	21.31	ug/l	95
68) m/p-Xylenes	10.26	106	224457	42.87	ug/l	100
69) o-Xylene	10.82	106	128245	21.90	ug/l	95
70) Styrene	10.89	104	195306	21.89	ug/l	98
71) Bromoform	10.88	173	51870	20.18	ug/l	98
73) Isopropylbenzene	11.22	105	364211	22.03	ug/l	100
74) N-amyl acetate	11.45	43	139577	23.26	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	89927	21.53	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	68999	21.90	ug/l	91
77) Bromobenzene	11.59	156	93621	20.41	ug/l	83
78) n-propylbenzene	11.69	91	313418	15.78	ug/l	100
79) 2-Chlorotoluene	11.81	91	262111	21.60	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	325697	22.49	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	39600	21.12	ug/l	98
82) 4-Chlorotoluene	11.98	91	272958	21.00	ug/l	97
83) tert-Butylbenzene	12.21	119	319879	22.08	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	320741	21.02	ug/l	100
85) sec-Butylbenzene	12.38	105	420222	21.88	ug/l	99
86) p-Isopropyltoluene	12.54	119	357791	22.20	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	182475	21.47	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	173142	21.13	ug/l	98
89) n-Butylbenzene	12.91	91	365064	22.31	ug/l	97
90) Hexachloroethane	12.99	117	85464	21.28	ug/l	88
91) 1,2-Dichlorobenzene	13.01	146	174154	20.91	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	18536	20.02	ug/l	84

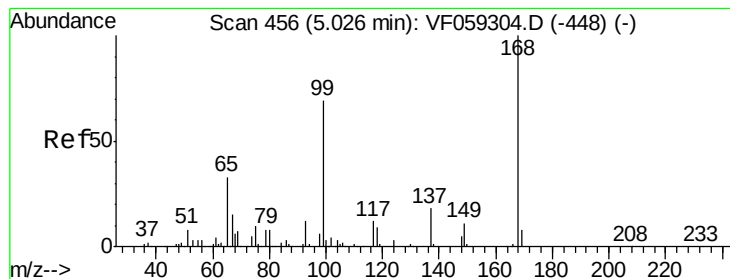
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062718\
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Quant Time: Jun 27 16:03:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	134772	21.88	ug/l	99
94) Hexachlorobutadiene	14.25	225	75359	21.91	ug/l	92
95) Naphthalene	14.52	128	279995	21.73	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	124334	21.31	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

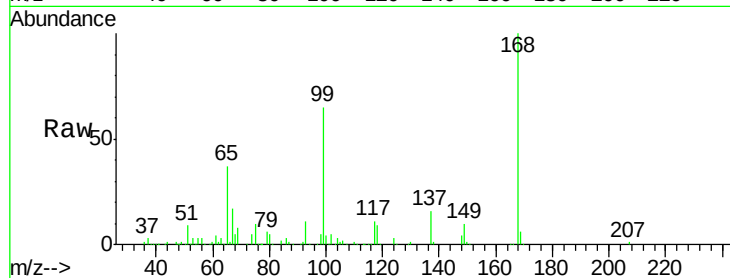
ClientSampleId :

Tot Ion:168 Resp: 294522

Ion Ratio Lower Upper

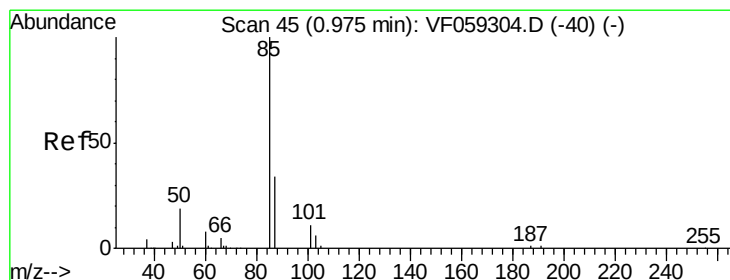
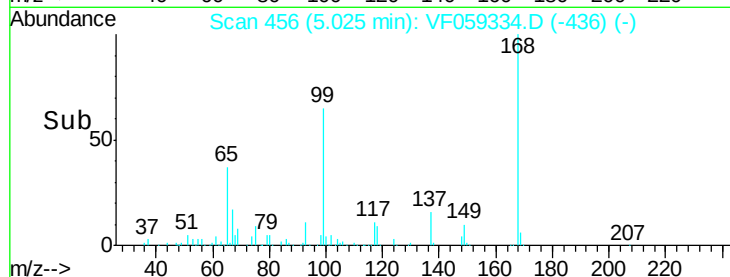
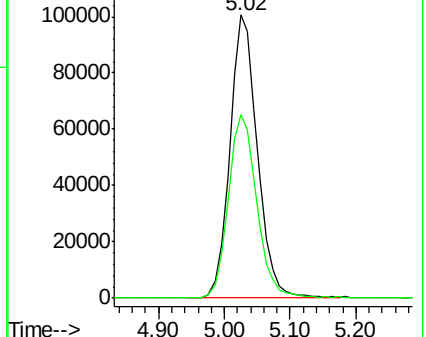
168 100

99 65.0 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 20.57 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059334.D

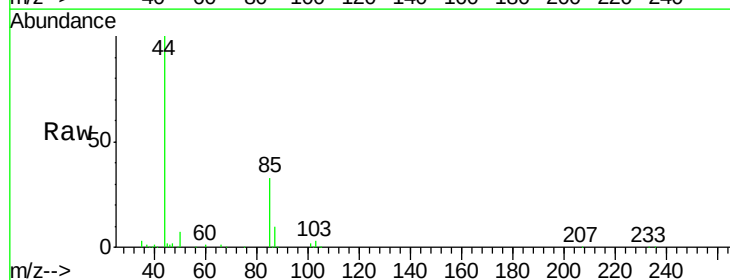
Acq: 27 Jun 2018 13:01

Tgt Ion: 85 Resp: 55339

Ion Ratio Lower Upper

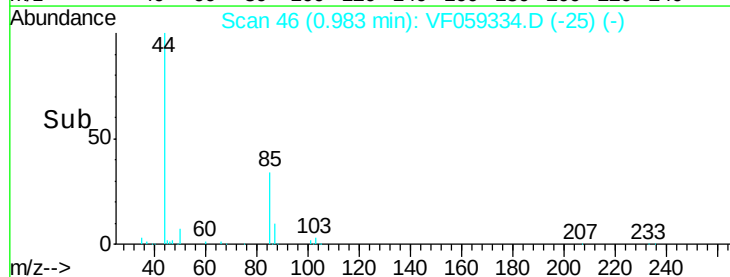
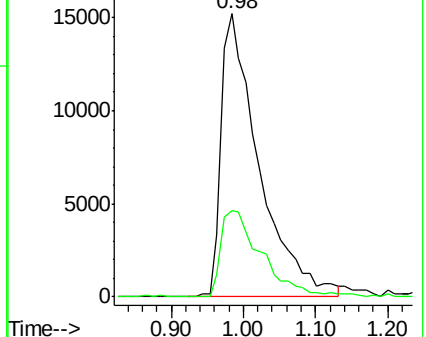
85 100

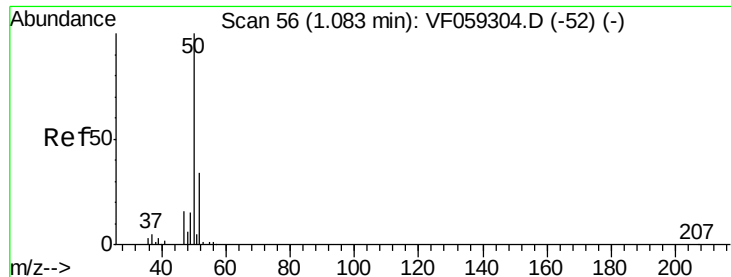
87 30.3 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 20.00 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

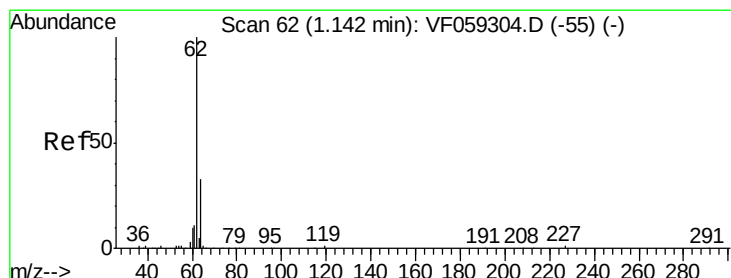
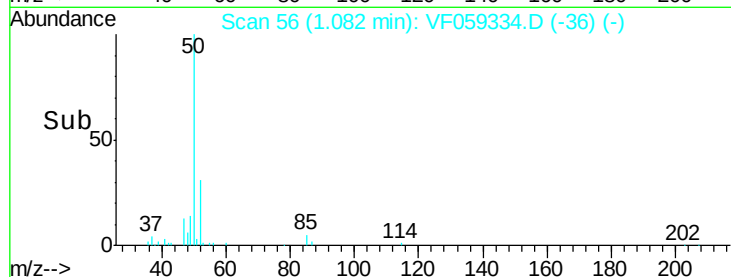
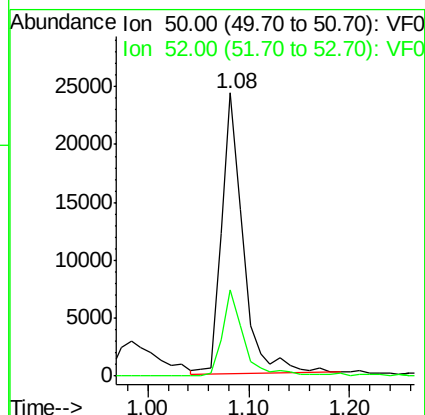
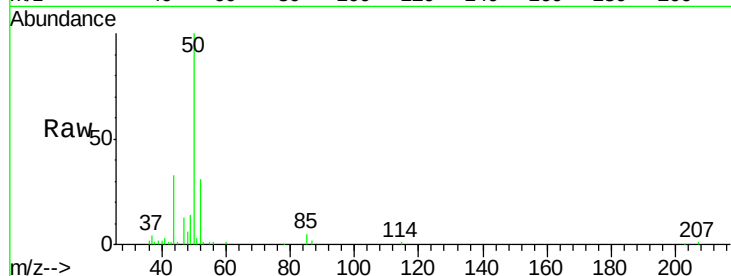
ClientSampled :

Tot Ion: 50 Resp: 36161

Ion Ratio Lower Upper

50 100

52 30.7 26.7 40.1



#4

Vinyl Chloride

Concen: 23.71 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059334.D

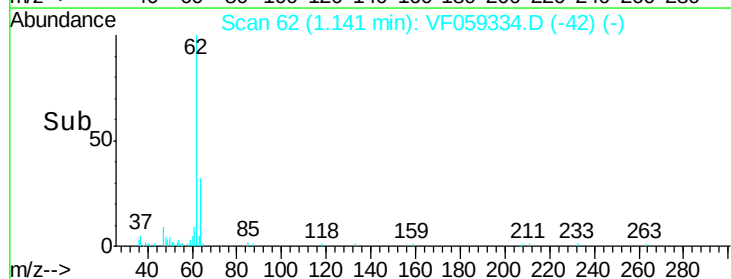
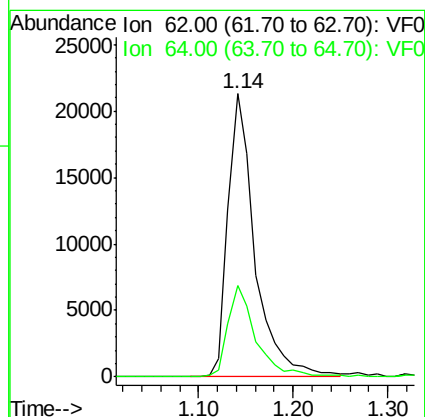
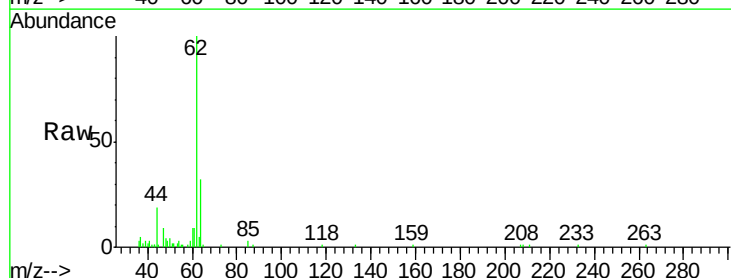
Acq: 27 Jun 2018 13:01

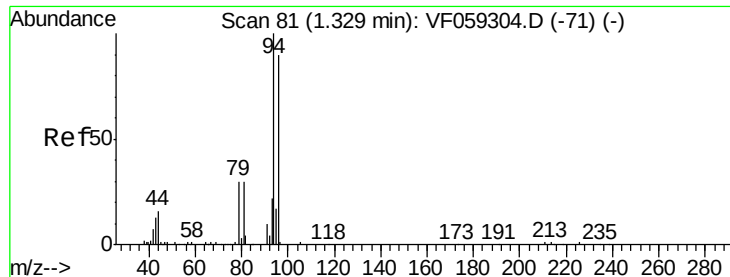
Tgt Ion: 62 Resp: 42199

Ion Ratio Lower Upper

62 100

64 32.3 26.3 39.5





#5

Bromomethane

Concen: 22.21 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

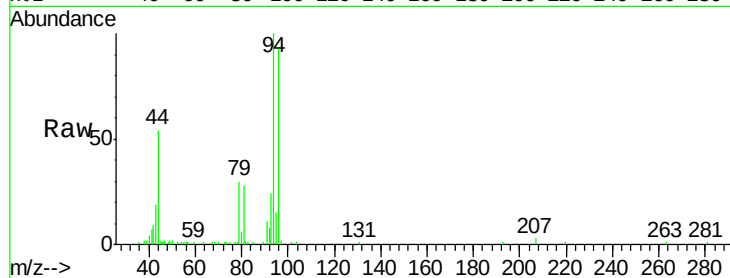
ClientSampleId :

Tot Ion: 94 Resp: 24793

Ion Ratio Lower Upper

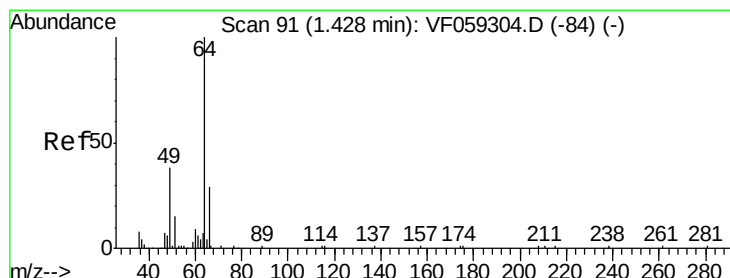
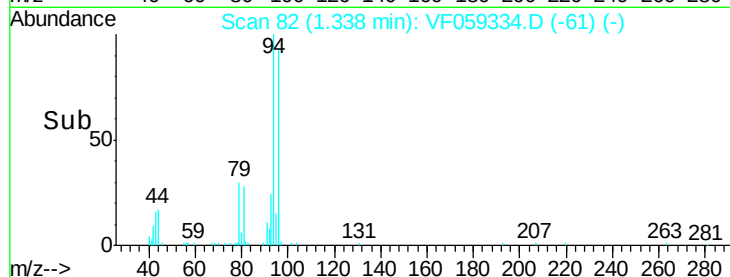
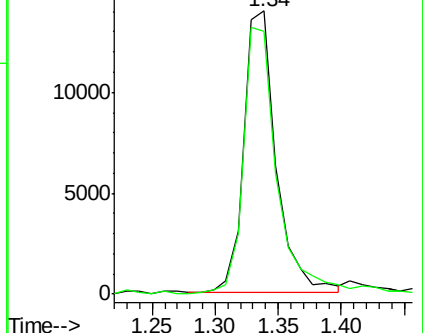
94 100

96 92.9 73.4 110.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 23.36 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059334.D

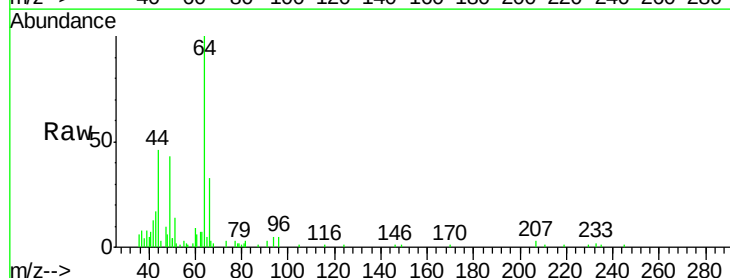
Acq: 27 Jun 2018 13:01

Tgt Ion: 64 Resp: 20934

Ion Ratio Lower Upper

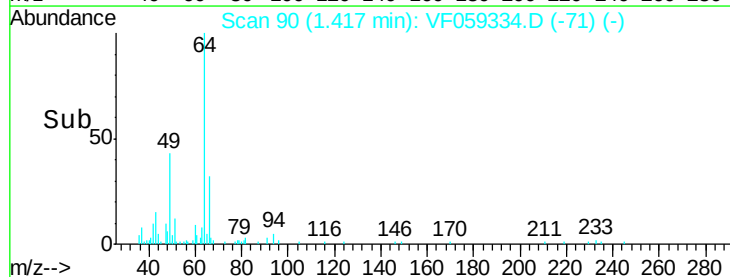
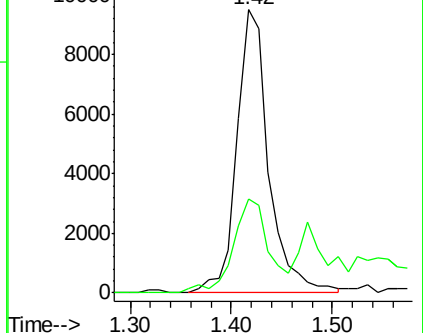
64 100

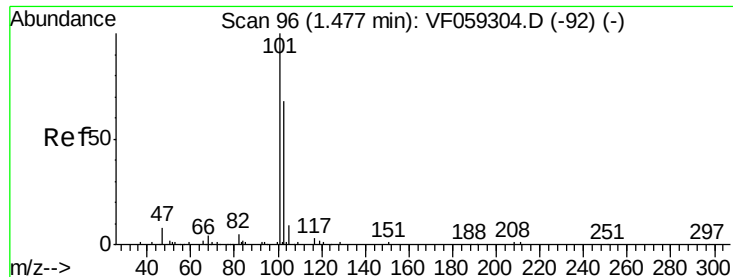
66 33.1 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 7.66 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

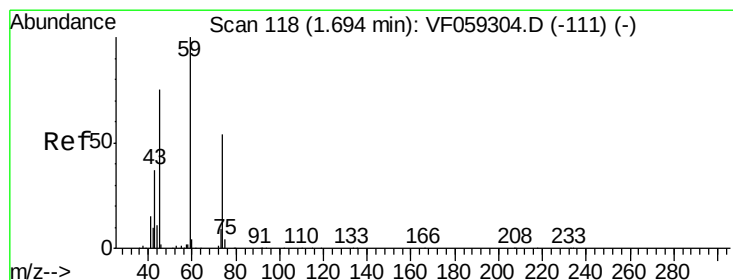
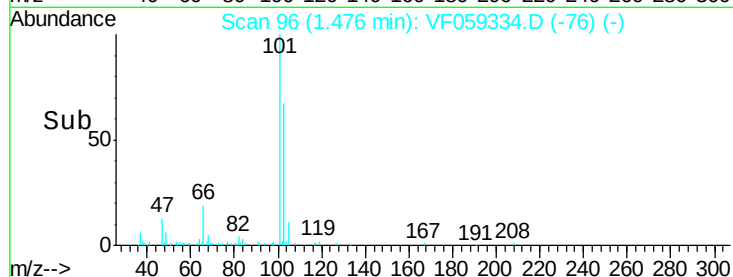
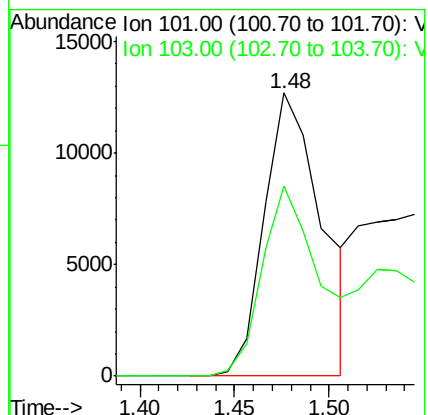
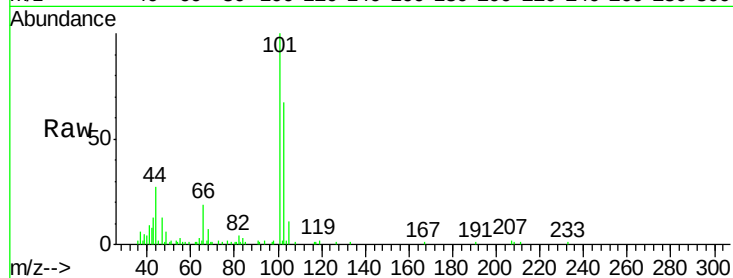
ClientSampleId :

Tot Ion:101 Resp: 26963

Ion Ratio Lower Upper

101 100

103 67.2 54.2 81.2



#8

Diethyl Ether

Concen: 22.53 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059334.D

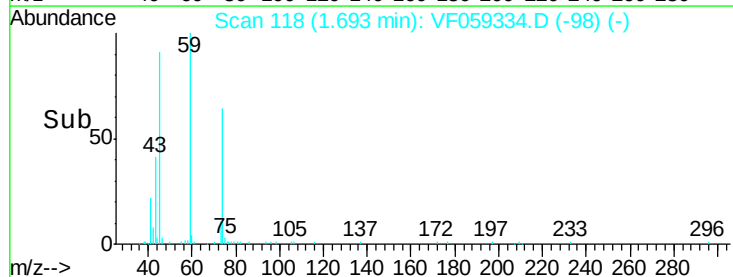
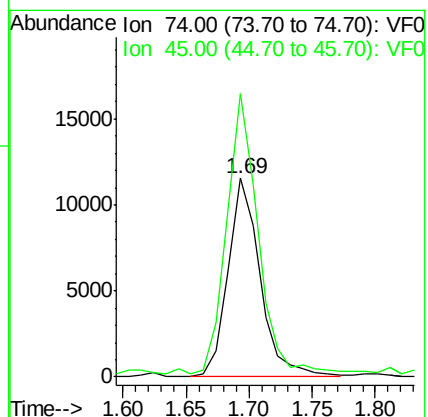
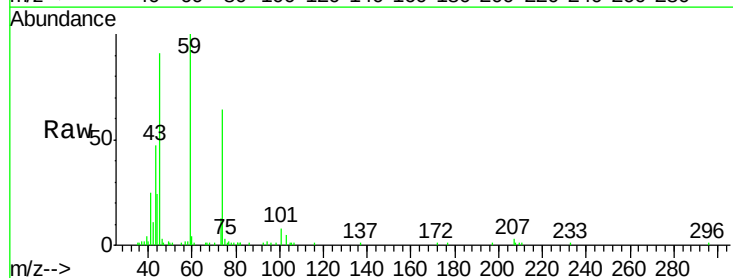
Acq: 27 Jun 2018 13:01

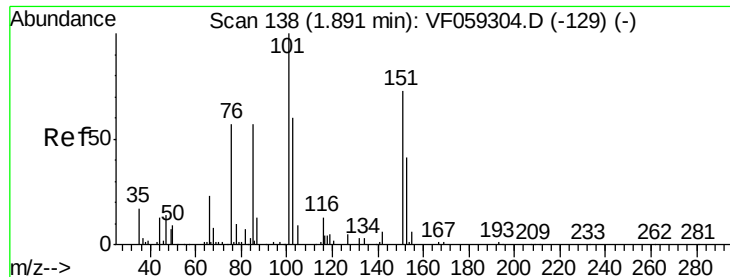
Tgt Ion: 74 Resp: 20324

Ion Ratio Lower Upper

74 100

45 142.7 70.0 210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.78 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

ClientSampleId :

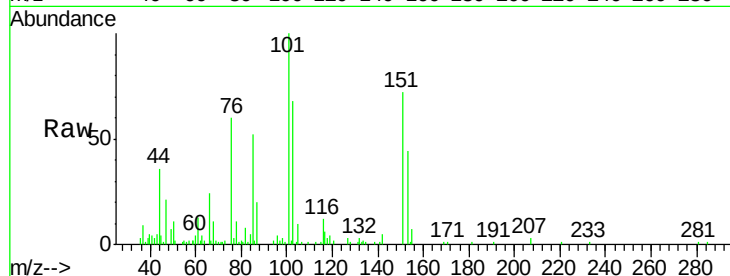
Tot Ion:101 Resp: 44728

Ion Ratio Lower Upper

101 100

85 52.4 44.5 66.7

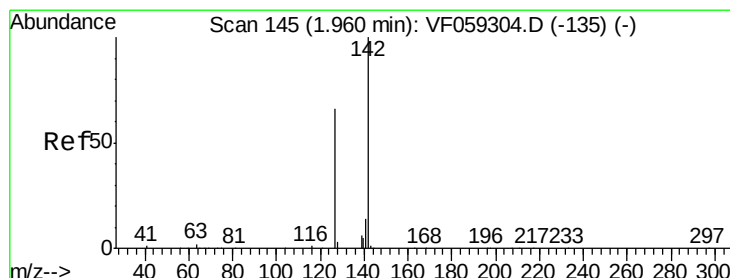
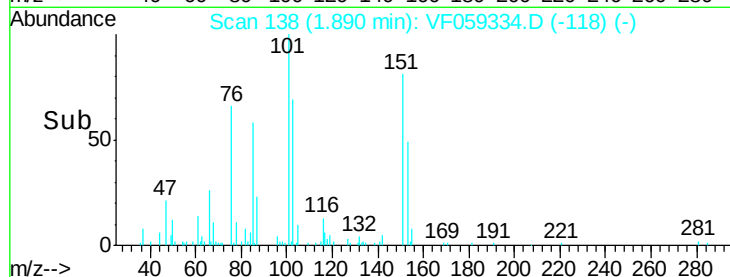
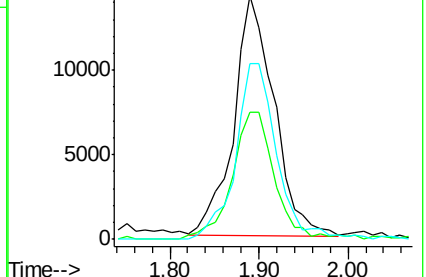
151 72.3 56.8 85.2



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: 15.07 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

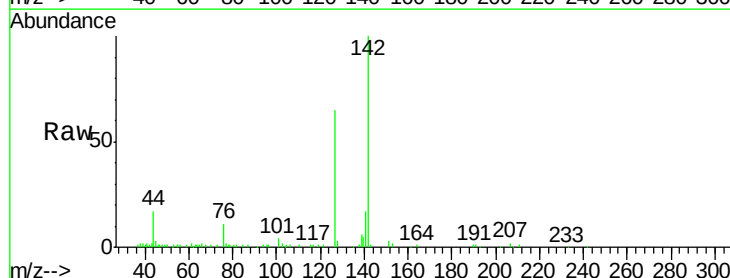
Tgt Ion:142 Resp: 56434

Ion Ratio Lower Upper

142 100

127 65.2 52.5 78.7

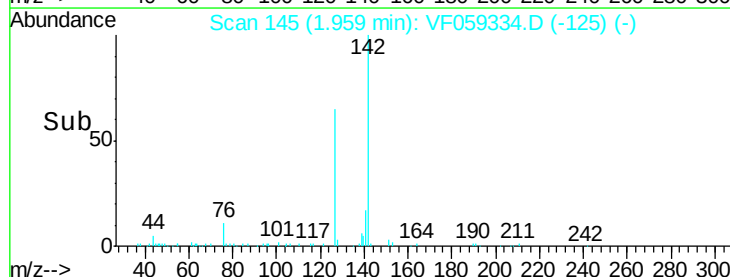
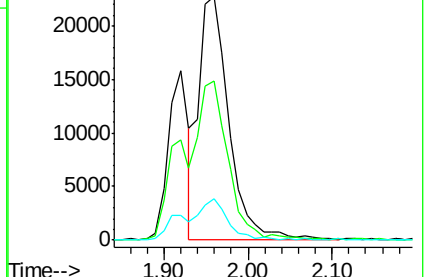
141 17.0 11.5 17.3

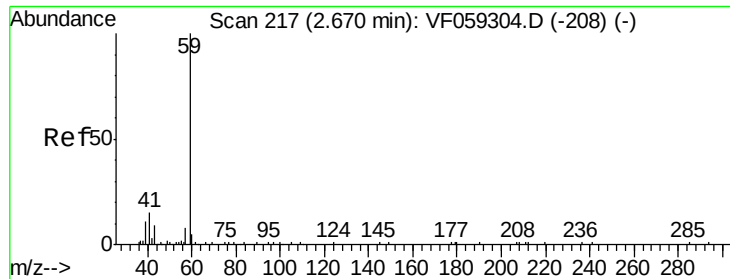


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



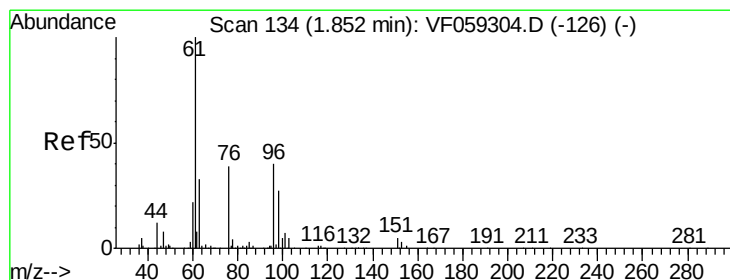
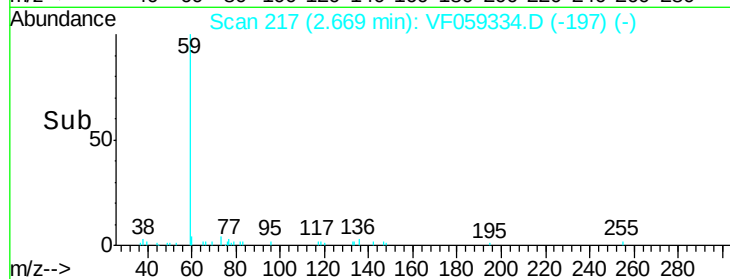
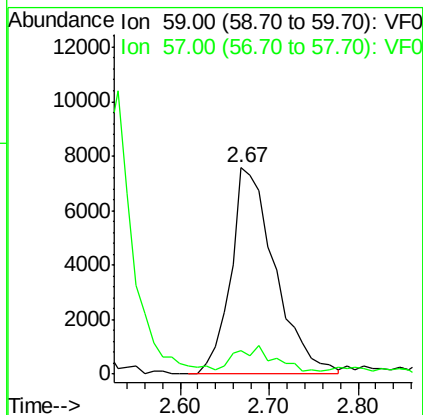
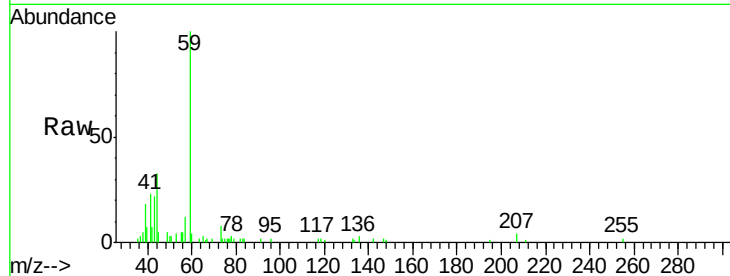


#11

Tert butyl alcohol
Concen: 102.88 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

Instrument :
MSVOA_F
ClientSampled :

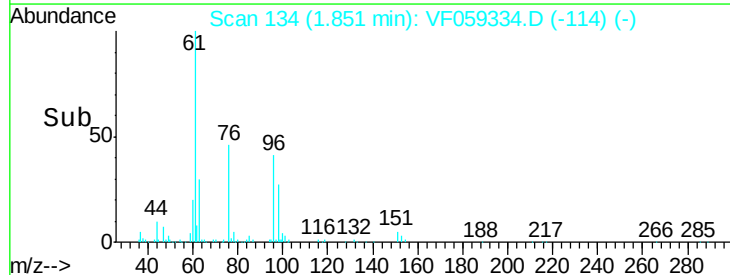
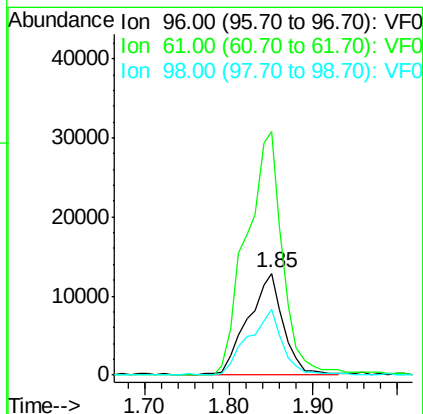
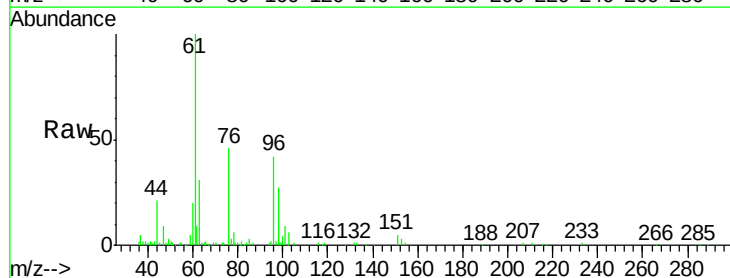
Tot Ion: 59 Resp: 26061
Ion Ratio Lower Upper
59 100
57 11.6 11.0 16.4

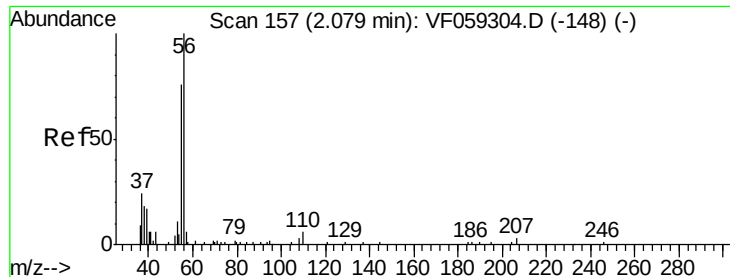


#12

1,1-Dichloroethene
Concen: 21.88 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

Tgt Ion: 96 Resp: 37987
Ion Ratio Lower Upper
96 100
61 238.6 201.1 301.7
98 64.4 53.9 80.9





#13

Acrolein

Concen: 121.12 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

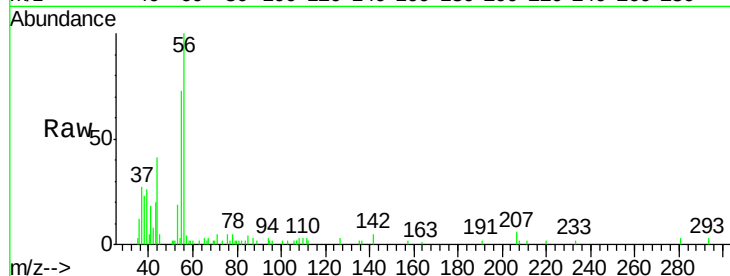
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 15834

Ion Ratio Lower Upper

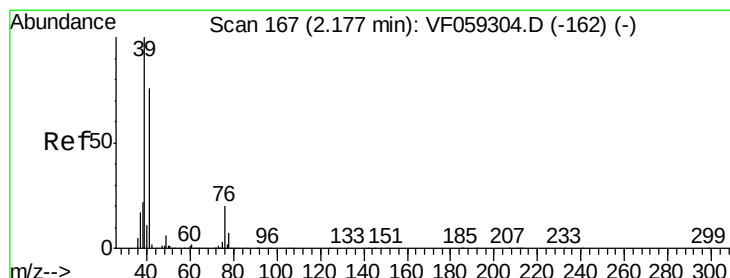
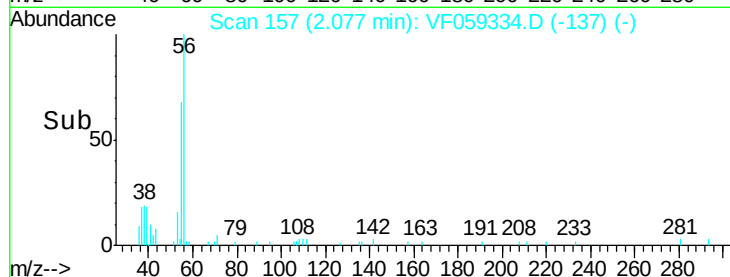
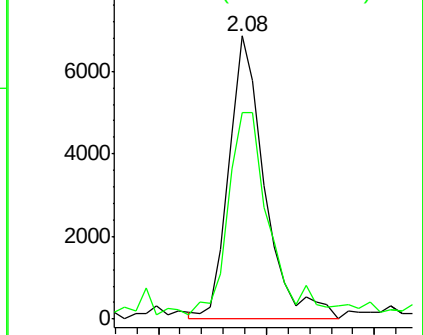
56 100

55 73.1 62.4 93.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 23.09 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

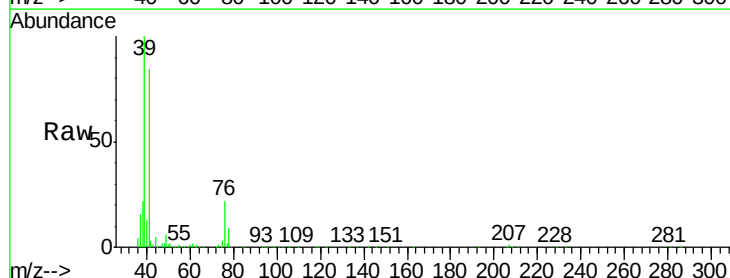
Tgt Ion: 41 Resp: 75278

Ion Ratio Lower Upper

41 100

39 118.9 105.6 158.4

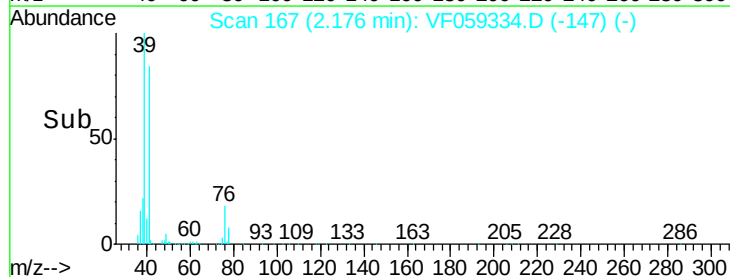
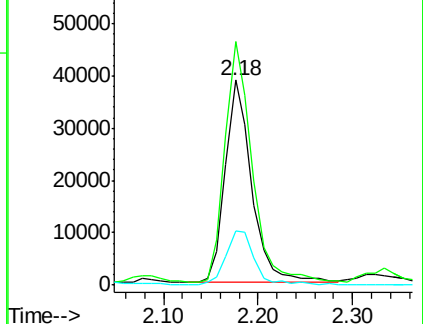
76 26.7 21.6 32.4

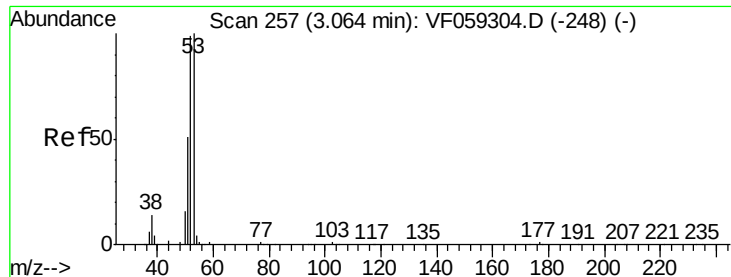


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 126.22 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.01 min

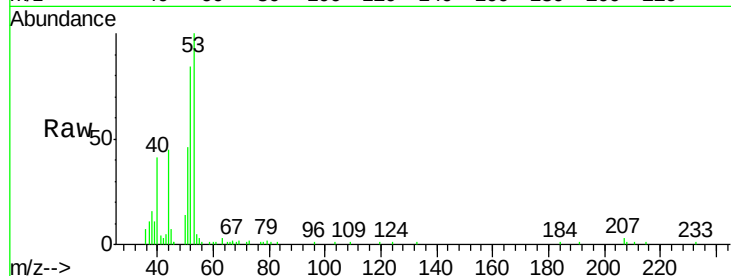
Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 56308

Ion	Ratio	Lower	Upper
53	100		
52	83.9	79.2	118.8
51	45.7	40.9	61.3

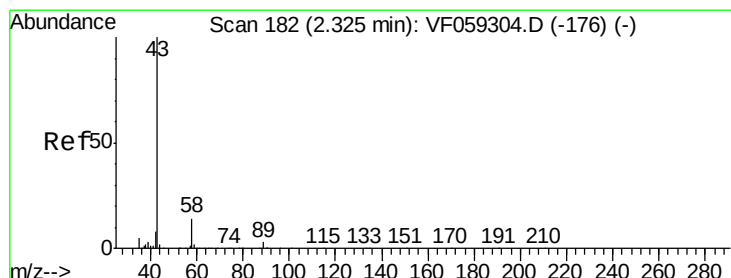
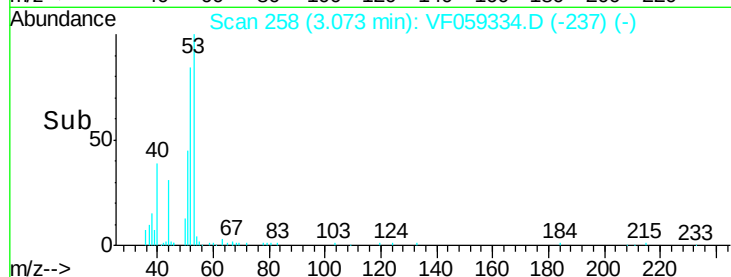
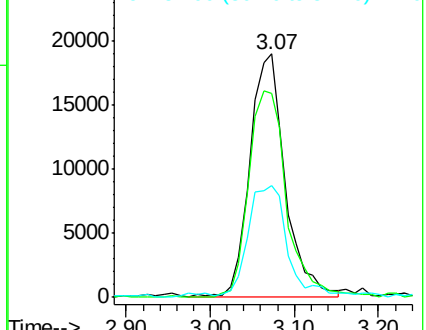


Abundance

Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 131.67 ug/l

RT: 2.32 min Scan# 182

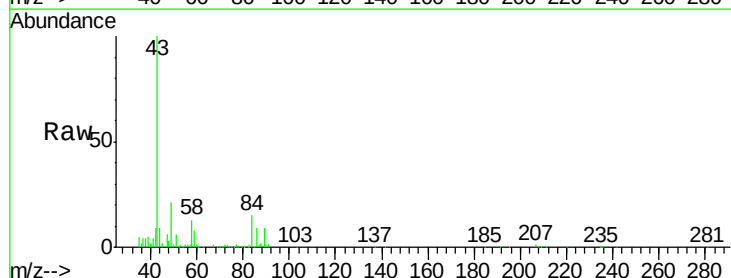
Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Tgt Ion: 43 Resp: 129716

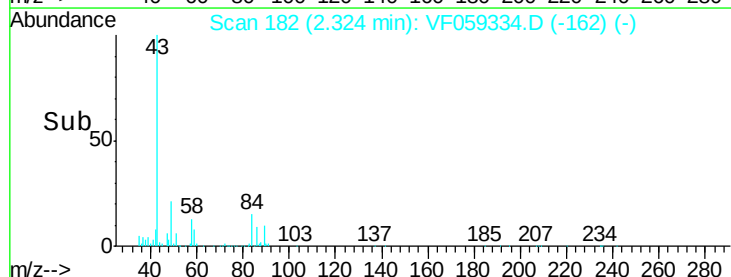
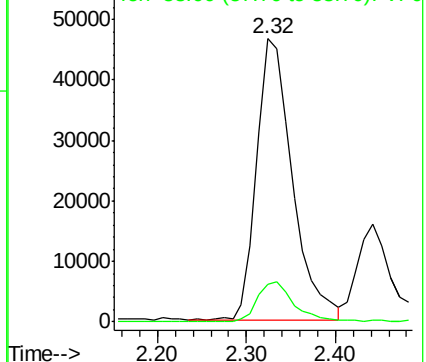
Ion	Ratio	Lower	Upper
43	100		
58	13.3	11.4	17.0

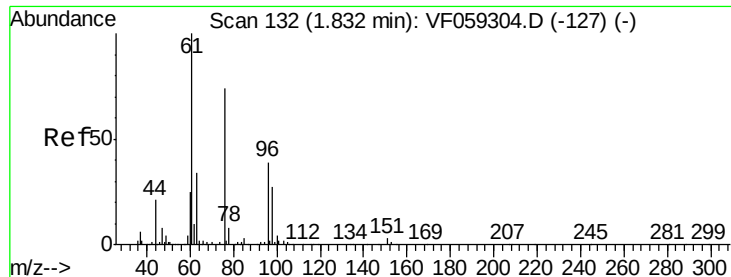


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 8.78 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

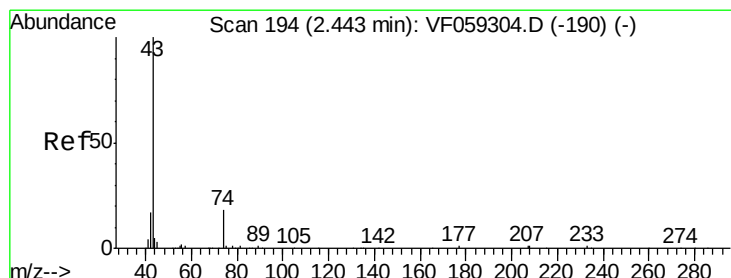
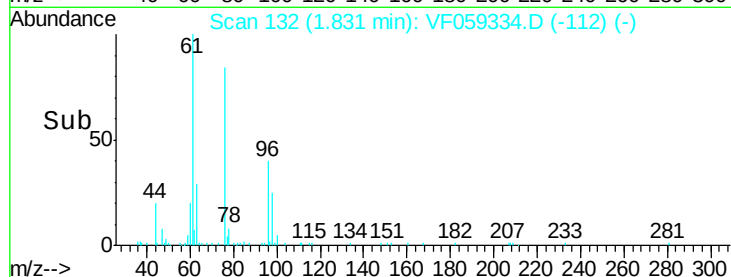
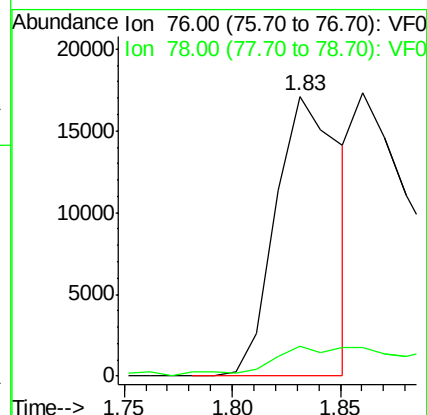
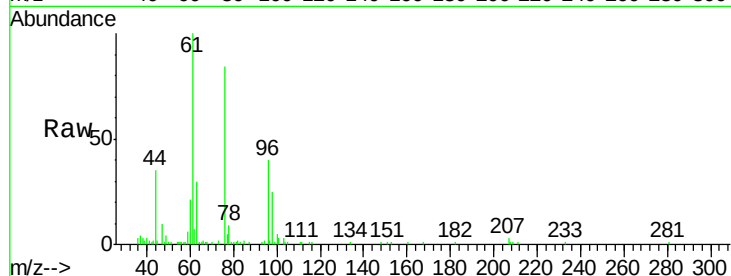
ClientSampleId :

Tot Ion: 76 Resp: 35848

Ion Ratio Lower Upper

76 100

78 10.6 8.9 13.3



#18

Methyl Acetate

Concen: 20.87 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.00 min

Lab File: VF059334.D

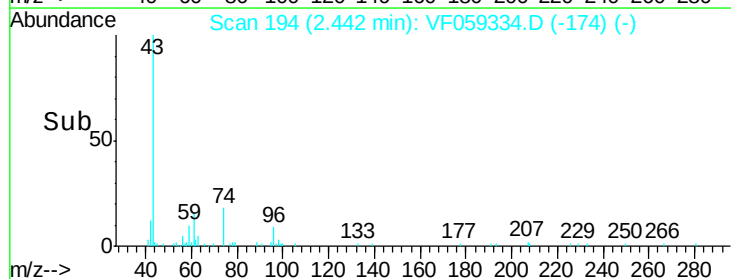
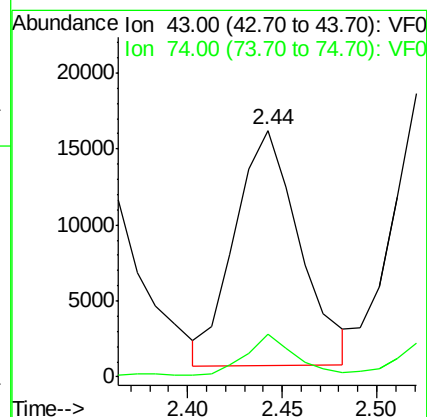
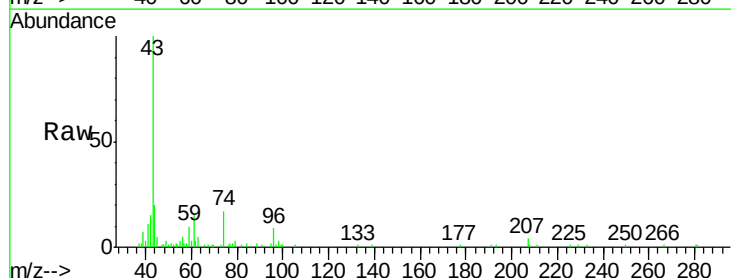
Acq: 27 Jun 2018 13:01

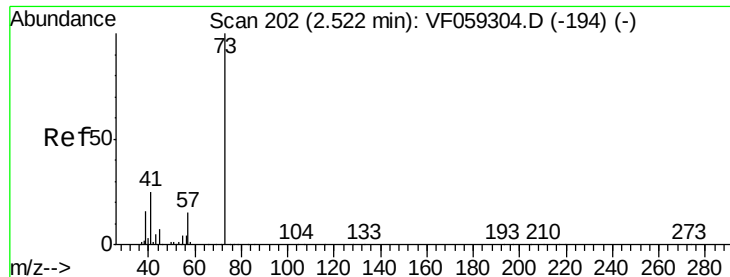
Tgt Ion: 43 Resp: 37009

Ion Ratio Lower Upper

43 100

74 17.4 13.3 19.9



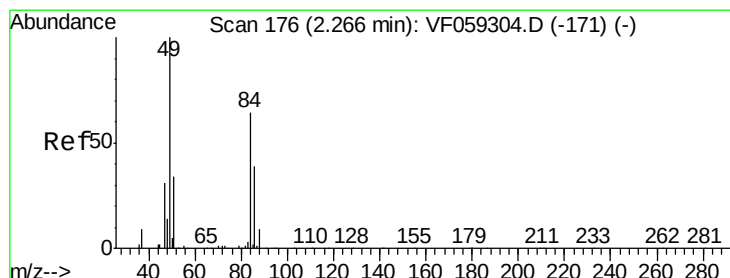
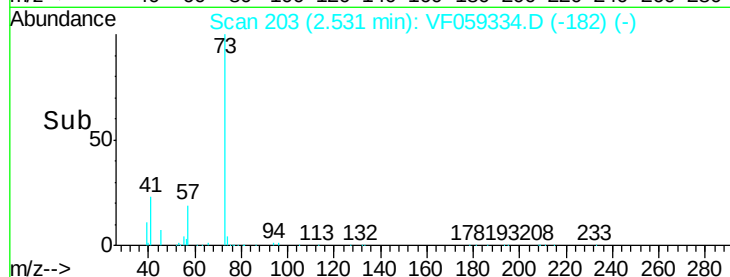
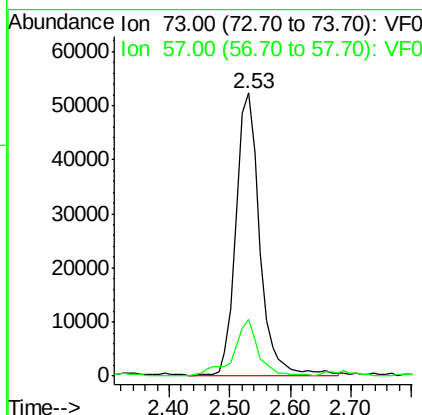
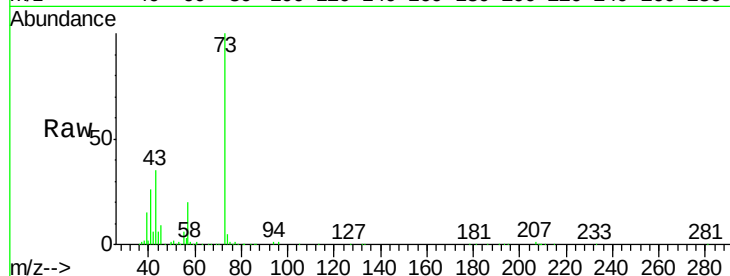


#19

Methyl tert-butyl Ether
 Concen: 22.30 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.01 min
 Lab File: VF059334.D
 Acq: 27 Jun 2018 13:01

Instrument :
 MSVOA_F
 ClientSampleId :

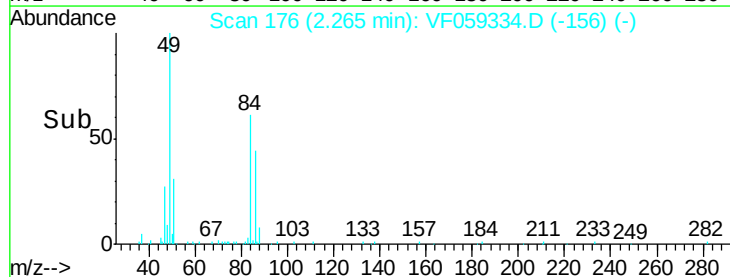
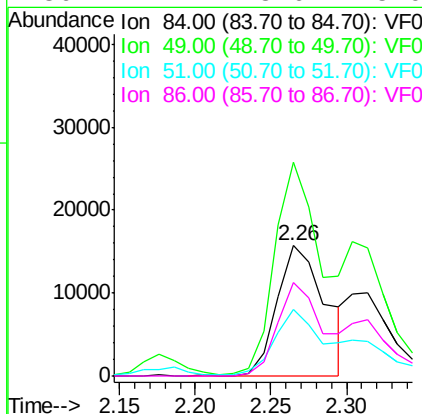
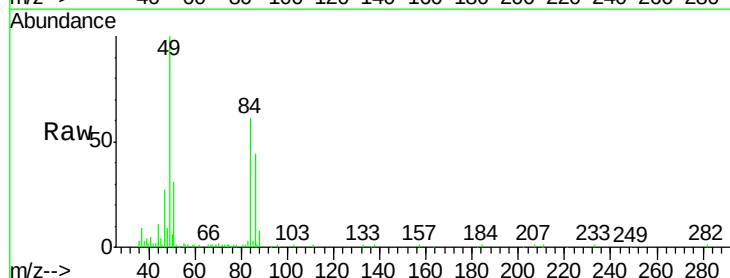
Tot Ion: 73 Resp: 144451
 Ion Ratio Lower Upper
 73 100
 57 19.9 12.3 18.5#

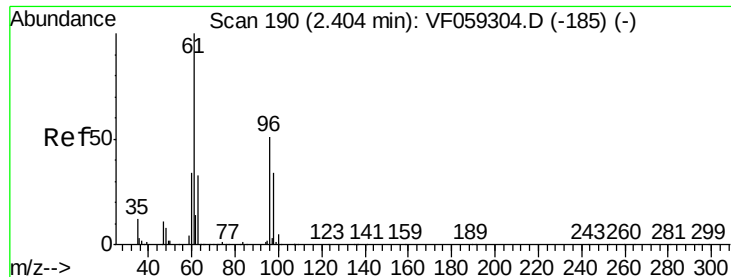


#20

Methylene Chloride
 Concen: 10.59 ug/l
 RT: 2.26 min Scan# 176
 Delta R.T. -0.00 min
 Lab File: VF059334.D
 Acq: 27 Jun 2018 13:01

Tgt Ion: 84 Resp: 35023
 Ion Ratio Lower Upper
 84 100
 49 163.9 126.5 189.7
 51 51.2 42.9 64.3
 86 72.7 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 24.14 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

ClientSampleId :

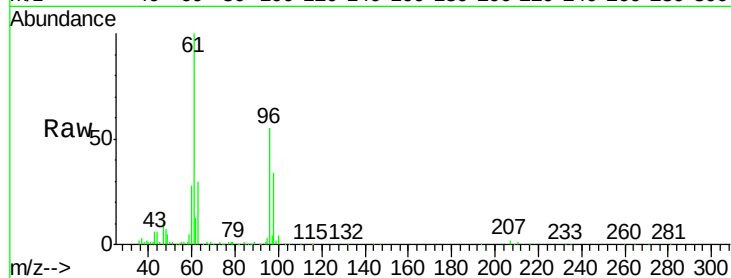
Tot Ion: 96 Resp: 44718

Ion Ratio Lower Upper

96 100

61 182.7 157.4 236.2

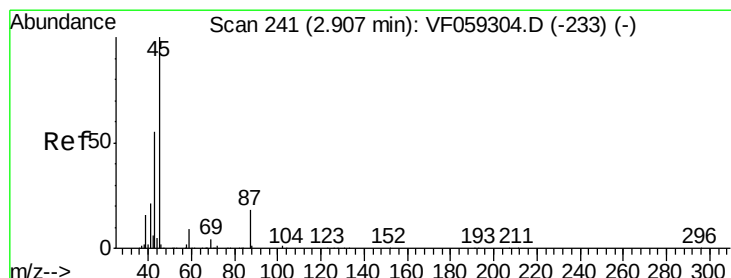
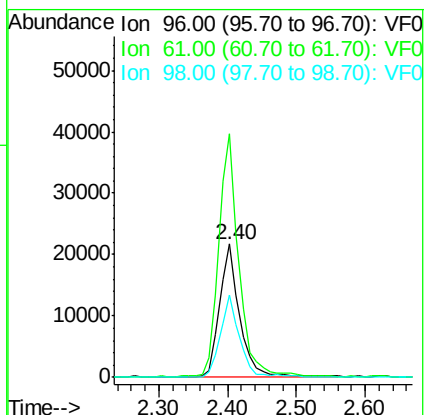
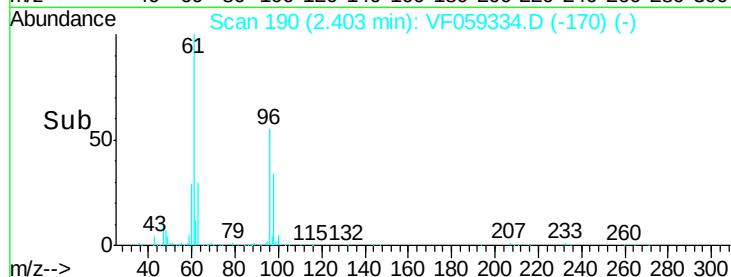
98 62.0 53.7 80.5



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: 22.89 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.01 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Tgt Ion: 45 Resp: 165213

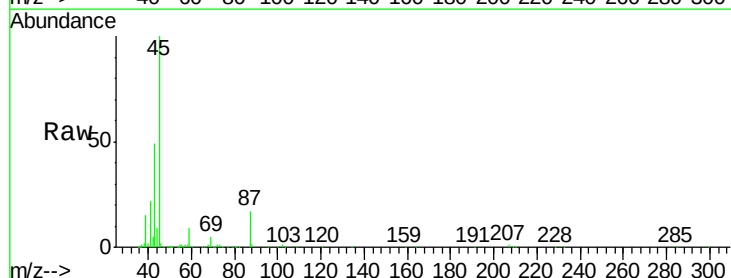
Ion Ratio Lower Upper

45 100

43 49.4 44.6 66.8

87 16.7 14.3 21.5

59 9.1 7.5 11.3

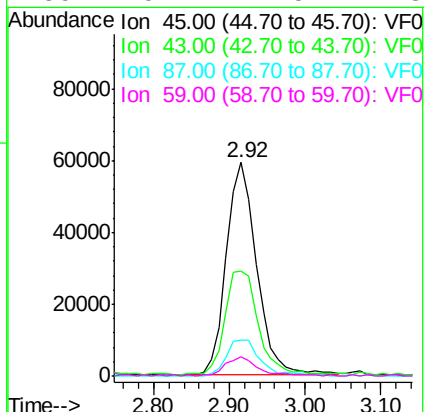
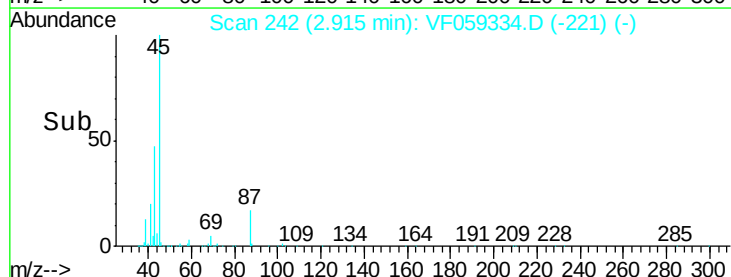


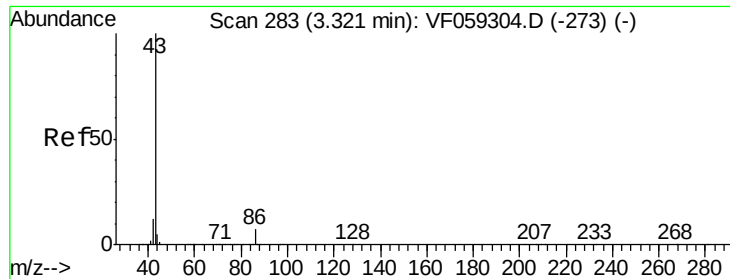
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 120.35 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

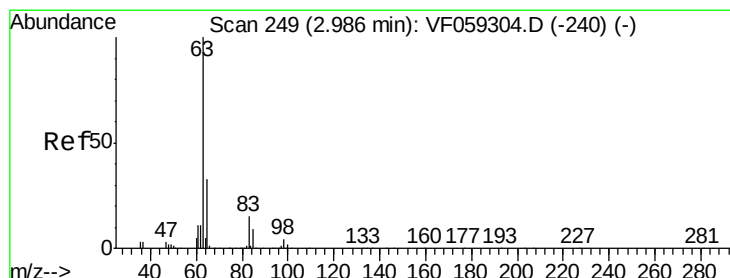
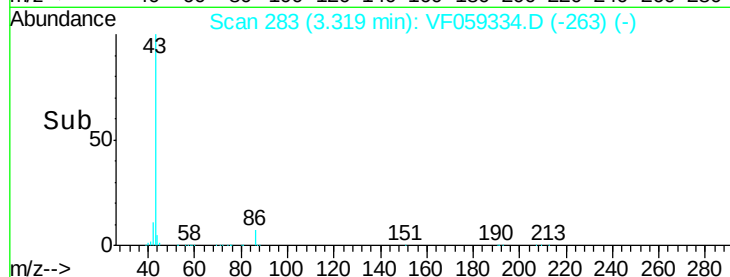
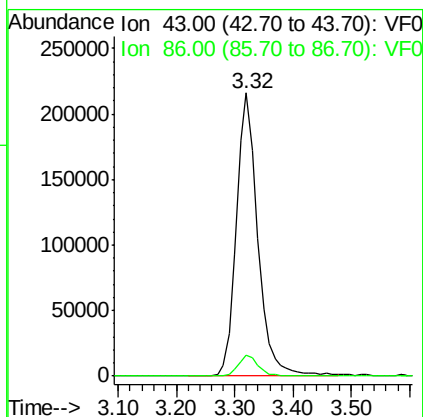
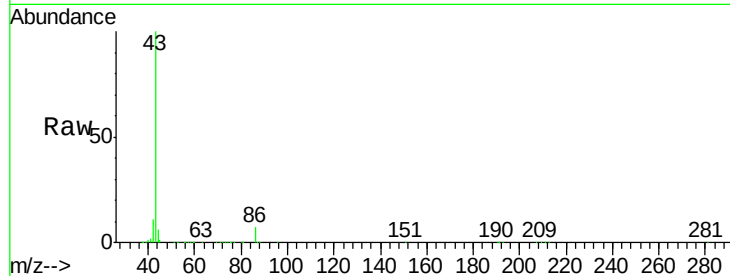
ClientSampleId :

Tot Ion: 43 Resp: 553213

Ion Ratio Lower Upper

43 100

86 7.4 5.8 8.6



#24

1,1-Dichloroethane

Concen: 22.06 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

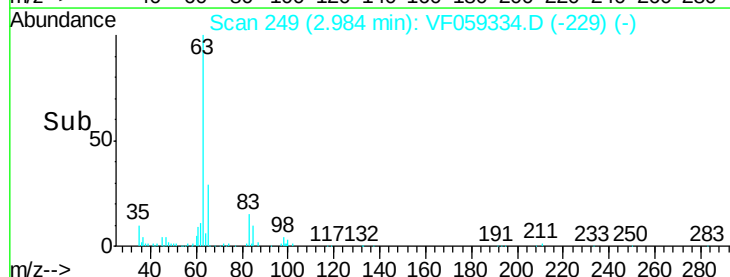
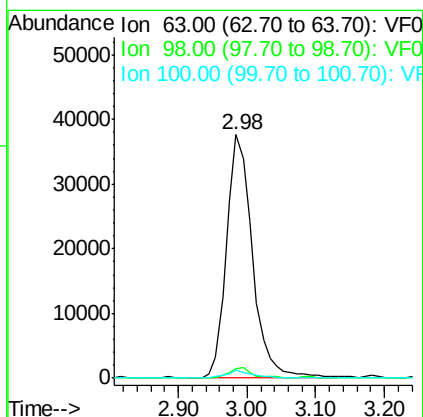
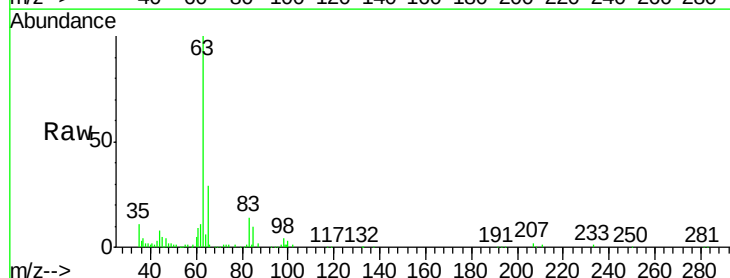
Tgt Ion: 63 Resp: 98723

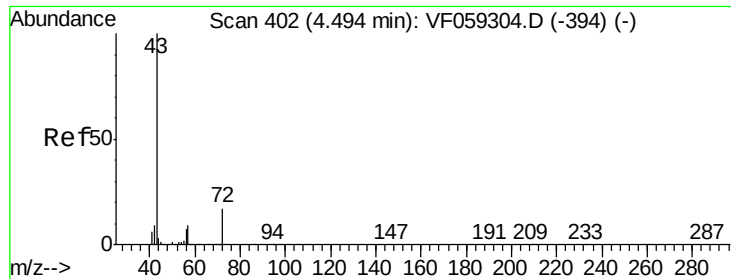
Ion Ratio Lower Upper

63 100

98 4.5 2.0 6.0

100 3.5 1.3 3.9





#25

2-Butanone

Concen: 128.33 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

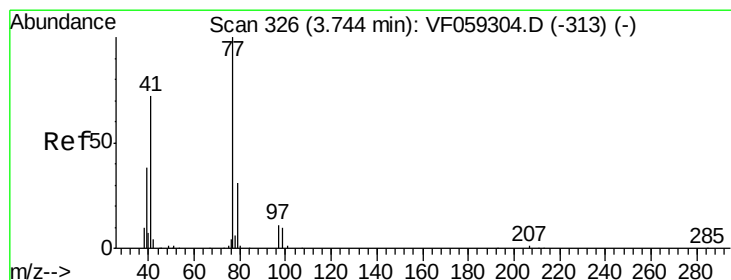
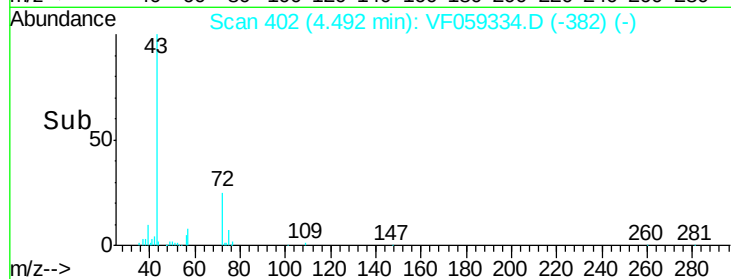
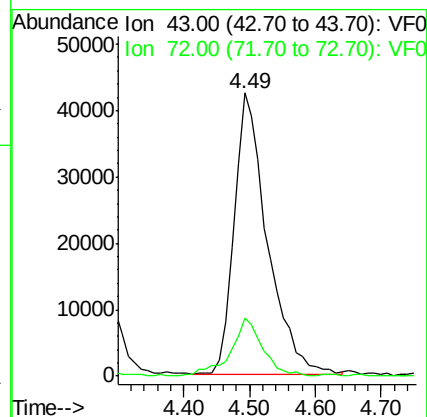
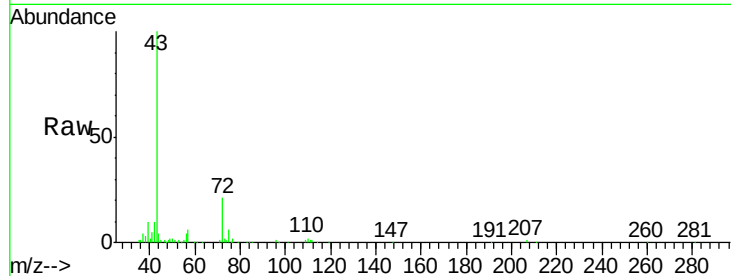
ClientSampleId :

Tot Ion: 43 Resp: 149259

Ion Ratio Lower Upper

43 100

72 20.7 14.4 21.6



#26

2,2-Dichloropropane

Concen: 23.84 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059334.D

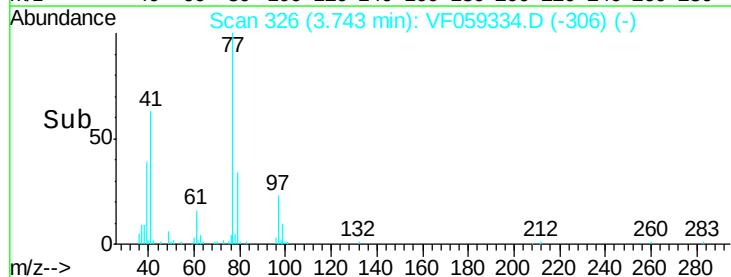
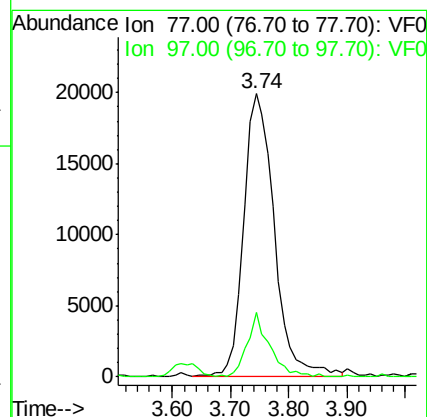
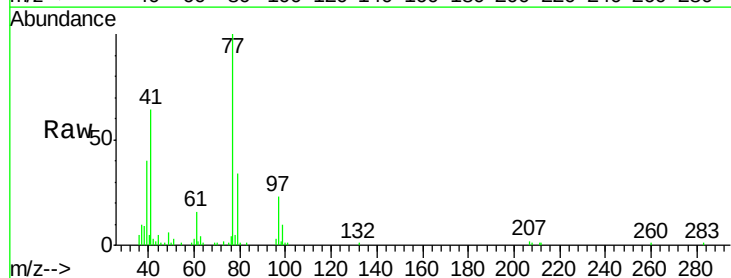
Acq: 27 Jun 2018 13:01

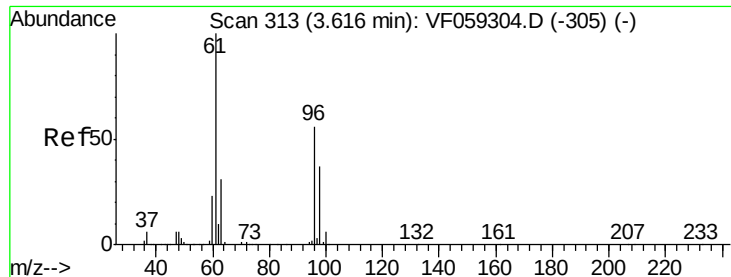
Tgt Ion: 77 Resp: 73574

Ion Ratio Lower Upper

77 100

97 22.6 8.0 23.8



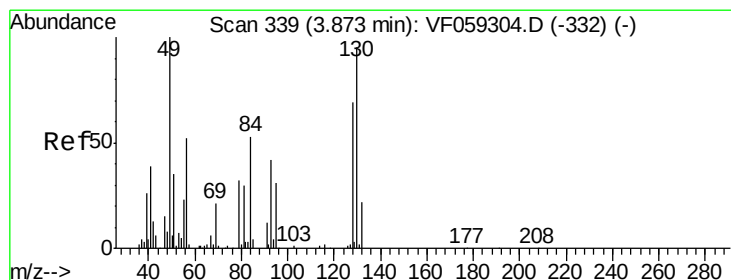
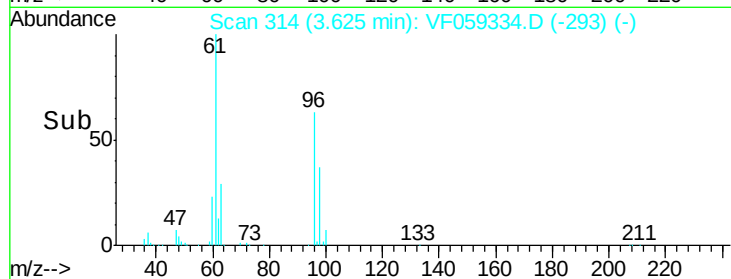
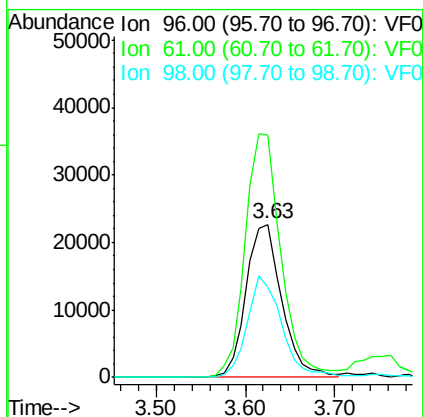
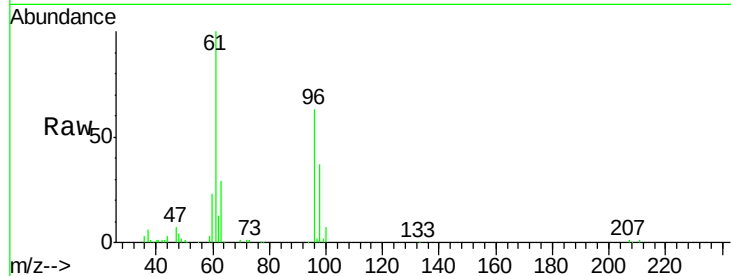


#27

cis-1,2-Dichloroethene
 Concen: 22.45 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. 0.01 min
 Lab File: VF059334.D
 Acq: 27 Jun 2018 13:01

Instrument :
 MSVOA_F
 ClientSampleId :

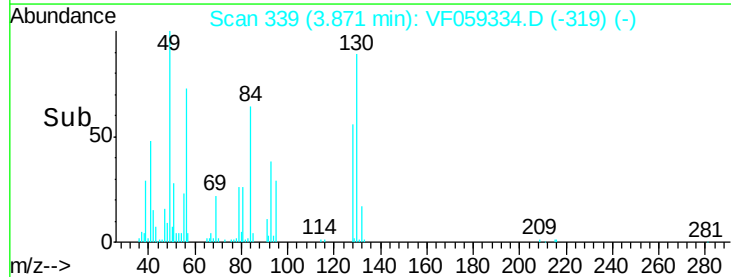
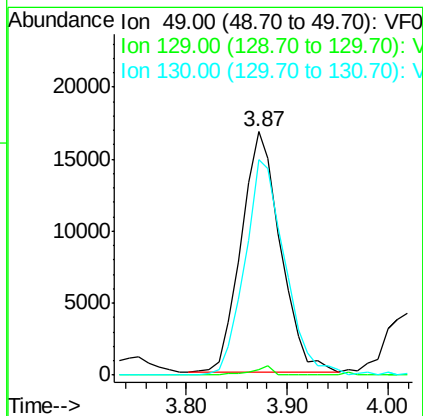
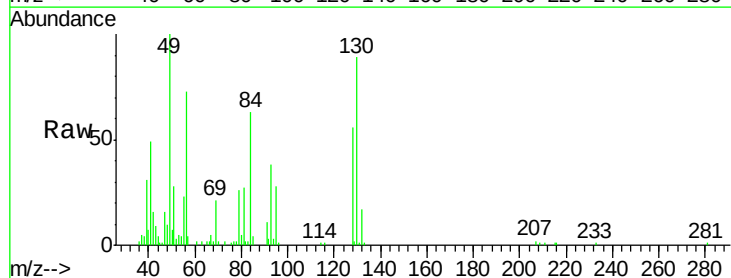
Tot Ion	96	Resp	63133
Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	355.4
98	58.8	0.0	131.0

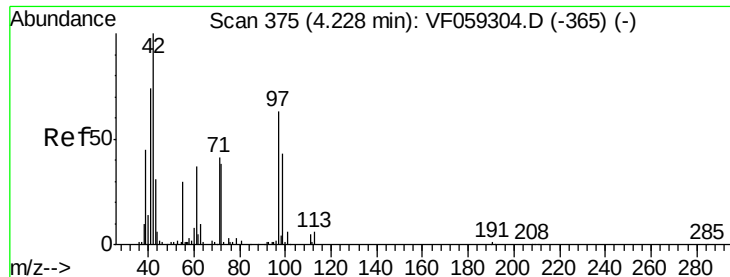


#28

Bromochloromethane
 Concen: 24.36 ug/l
 RT: 3.87 min Scan# 339
 Delta R.T. -0.00 min
 Lab File: VF059334.D
 Acq: 27 Jun 2018 13:01

Tgt Ion	49	Resp	45607
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	6.4
130	88.5	75.1	112.7

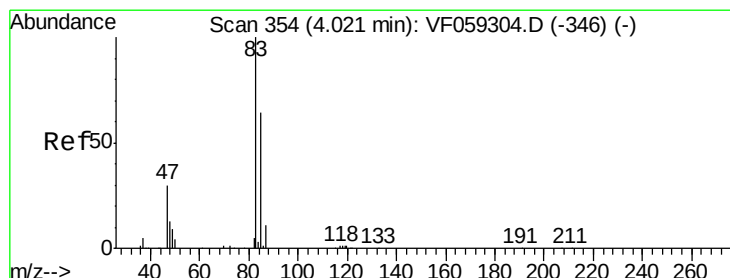
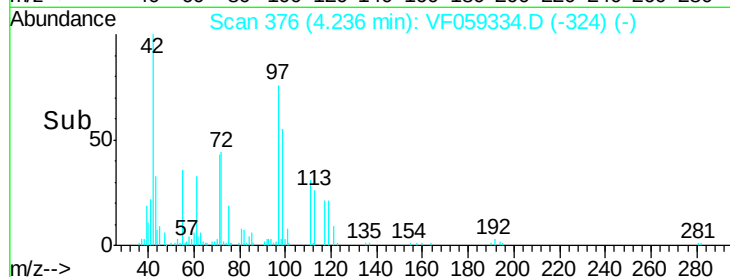
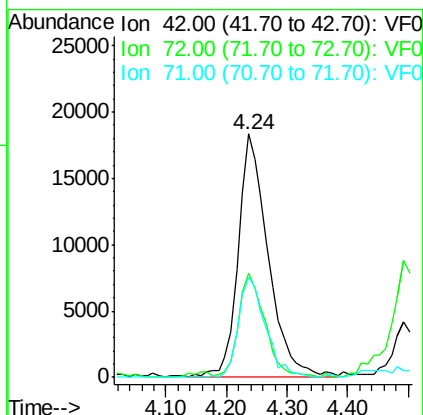
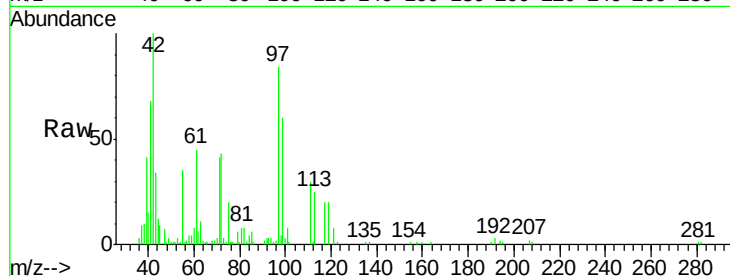




#29
Tetrahydrofuran
Concen: 124.90 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

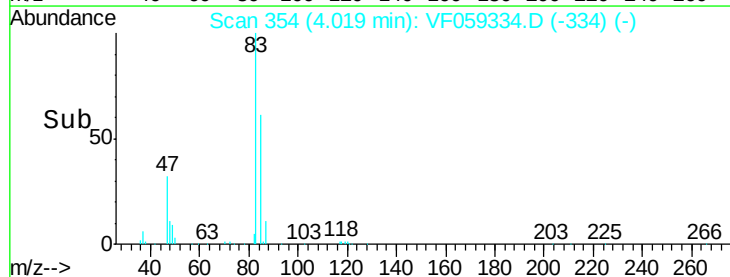
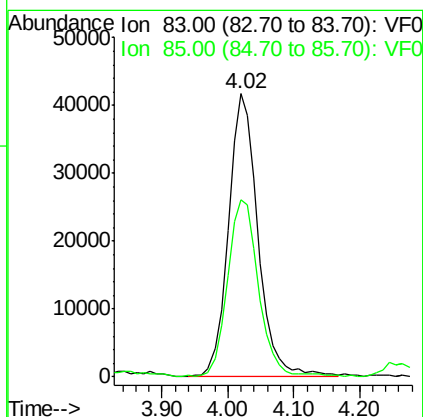
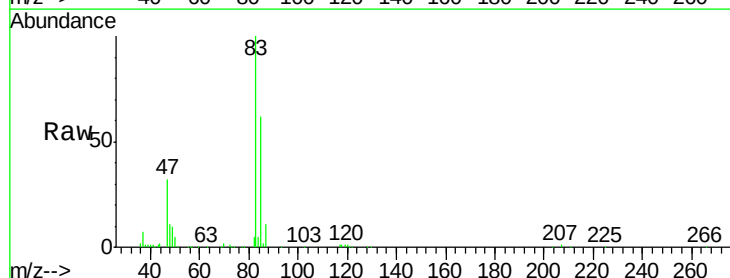
Instrument :
MSVOA_F
ClientSampled :

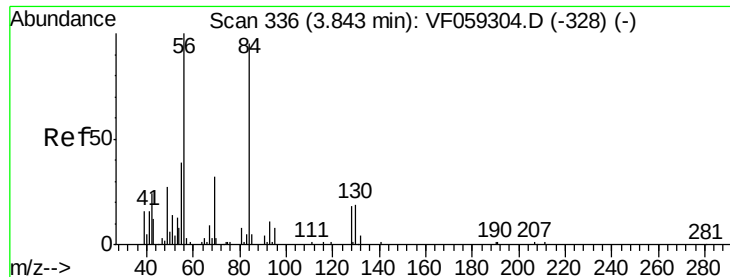
Tot Ion: 42 Resp: 63299
Ion Ratio Lower Upper
42 100
72 37.7 30.5 45.7
71 36.9 32.5 48.7



#30
Chloroform
Concen: 20.28 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.00 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

Tgt Ion: 83 Resp: 131358
Ion Ratio Lower Upper
83 100
85 62.5 51.3 76.9





#31

Cyclohexane

Concen: 22.17 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :
MSVOA_F
ClientSampleId :

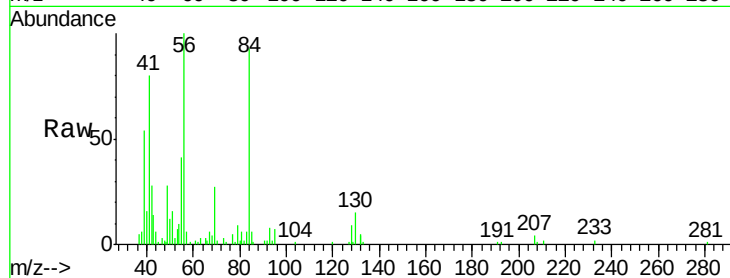
Tot Ion: 56 Resp: 65009

Ion Ratio Lower Upper

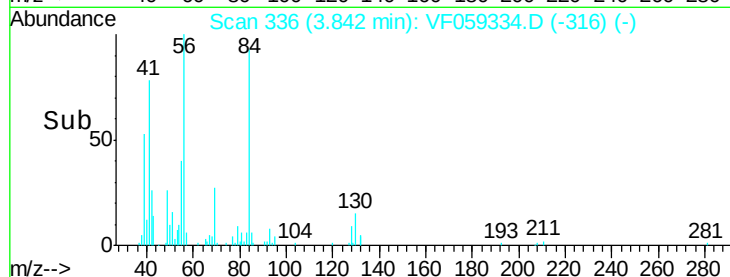
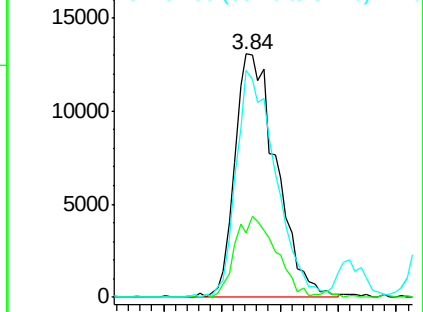
56 100

69 26.7 25.8 38.8

84 93.2 75.6 113.4



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: 22.52 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

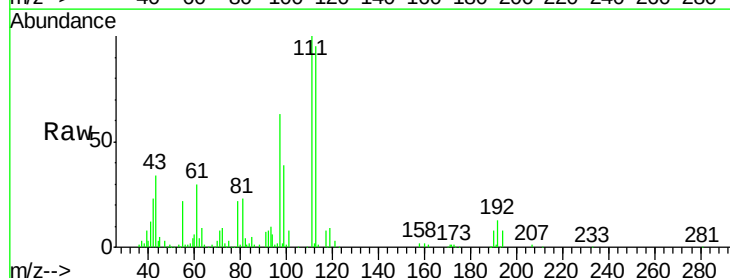
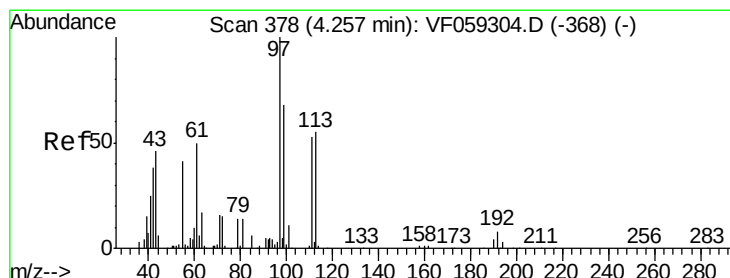
Tgt Ion: 97 Resp: 106745

Ion Ratio Lower Upper

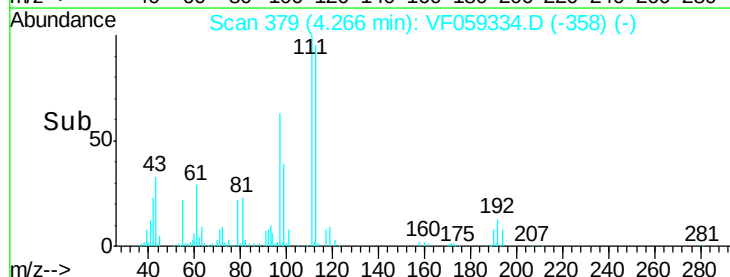
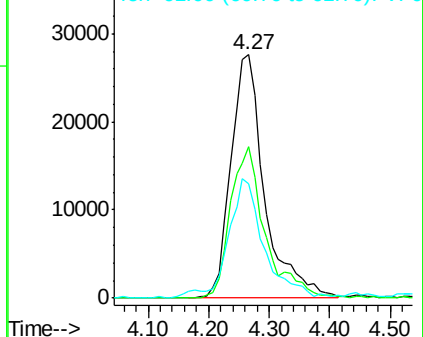
97 100

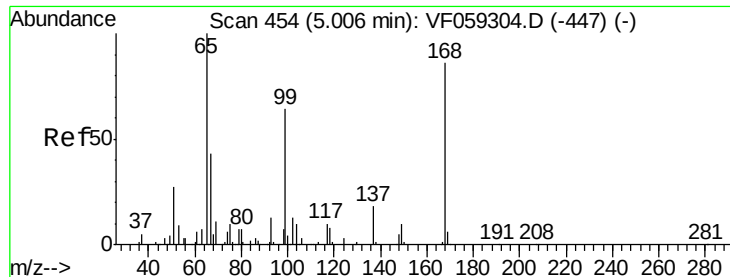
99 62.0 54.1 81.1

61 47.0 41.2 61.8



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

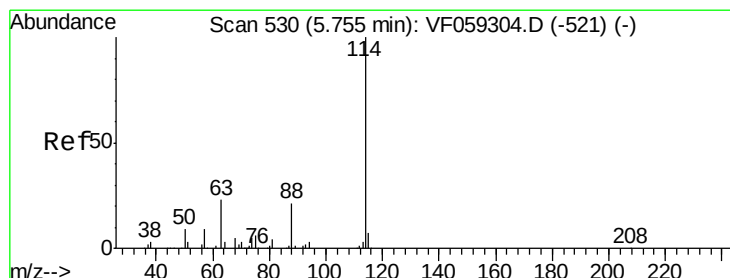
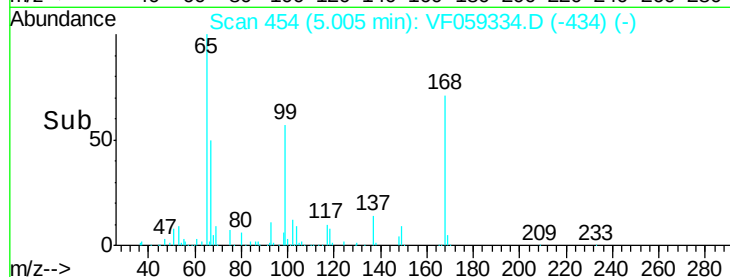
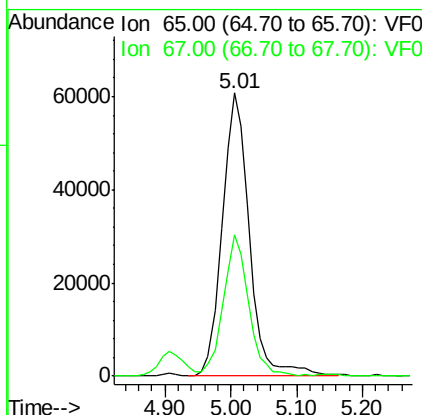
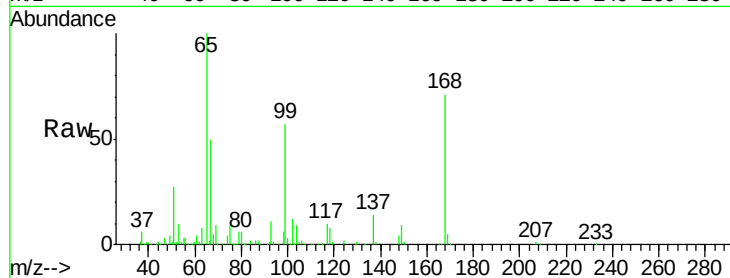




#33
 1,2-Dichloroethane-d4
 Concen: 45.56 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: VF059334.D
 Acq: 27 Jun 2018 13:01

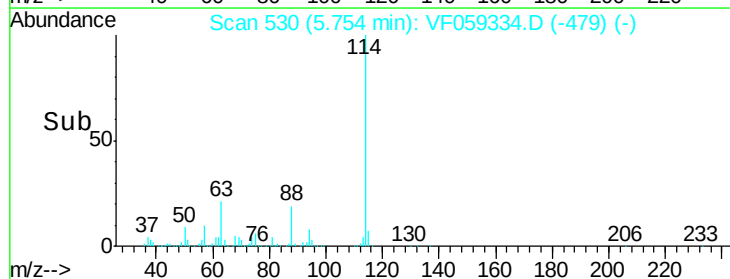
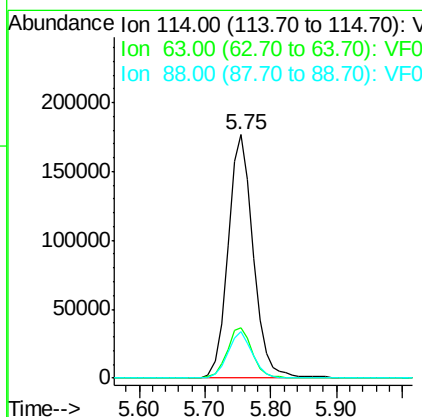
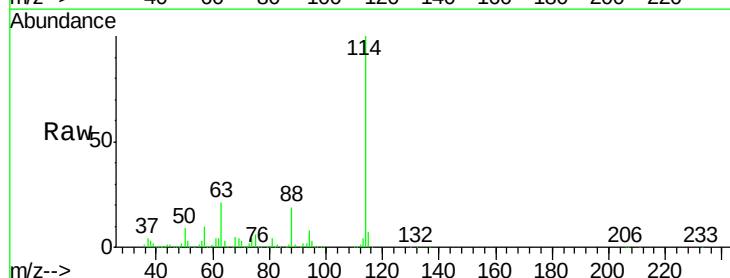
Instrument :
 MSVOA_F
 ClientSampleId :

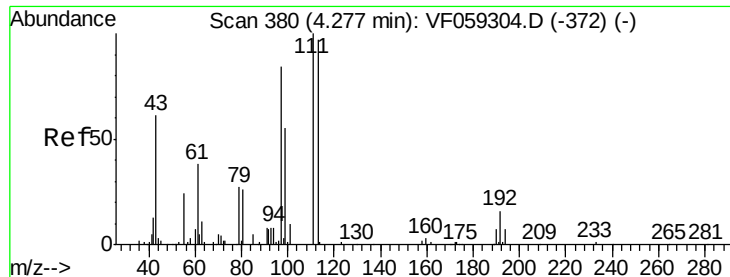
Tot Ion: 65 Resp: 173381
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VF059334.D
 Acq: 27 Jun 2018 13:01

Tgt Ion: 114 Resp: 473608
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 45.8
 88 19.3 0.0 41.2





#35

Dibromofluoromethane

Concen: 45.07 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

ClientSampleId :

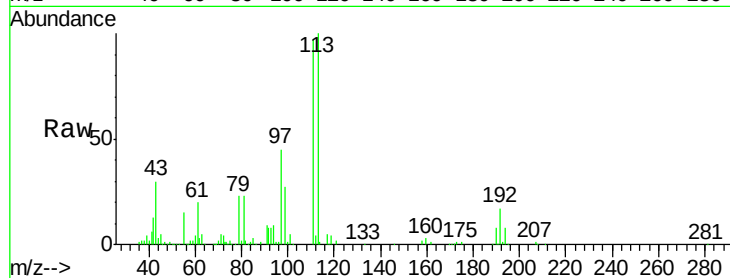
Tot Ion:113 Resp: 155964

Ion Ratio Lower Upper

113 100

111 97.0 82.1 123.1

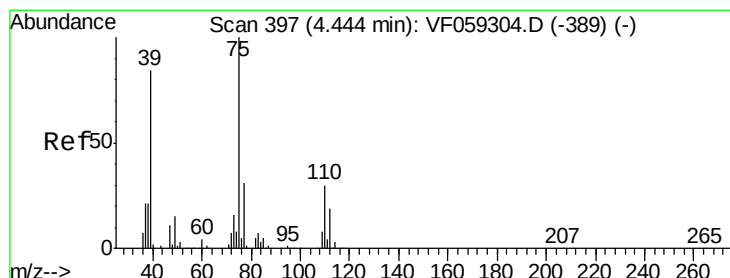
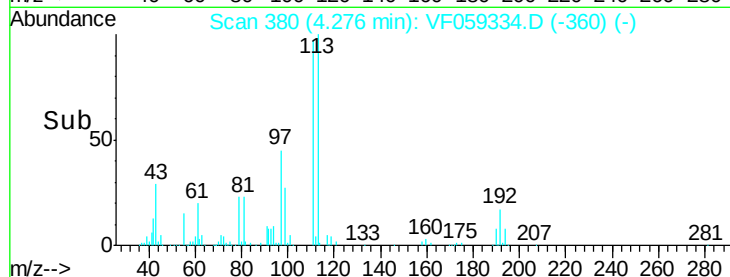
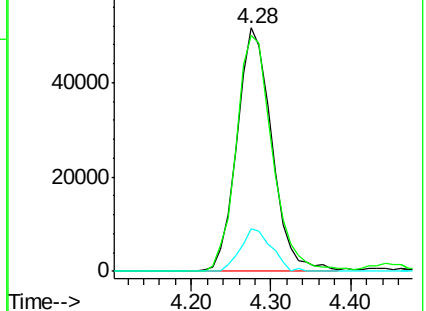
192 17.4 13.0 19.6



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: 21.47 ug/l

RT: 4.44 min Scan# 397

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

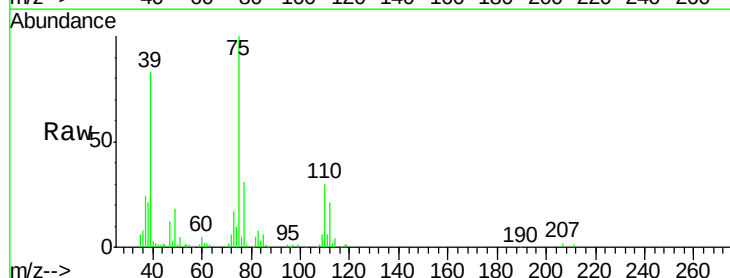
Tgt Ion: 75 Resp: 88843

Ion Ratio Lower Upper

75 100

110 30.0 14.8 44.4

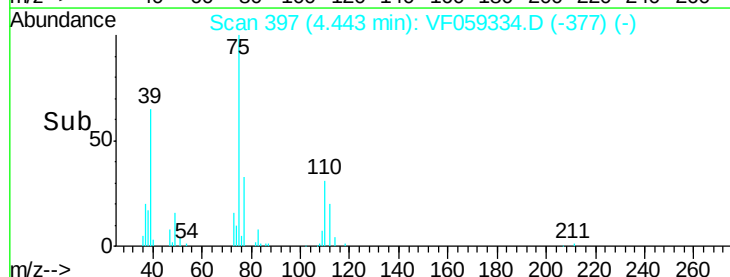
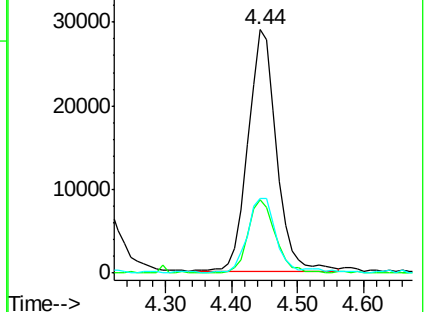
77 30.9 25.2 37.8

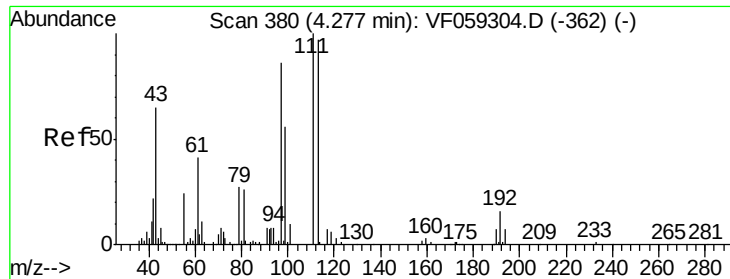


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

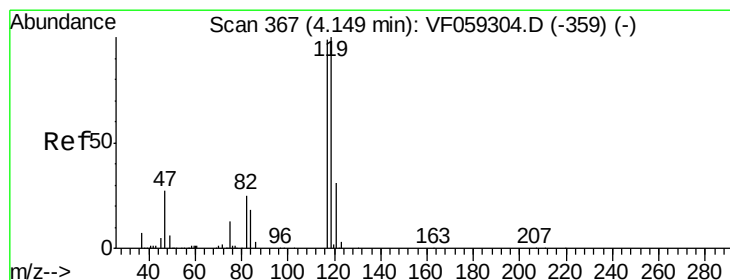
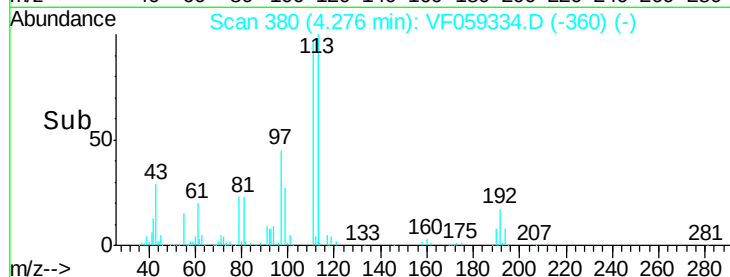
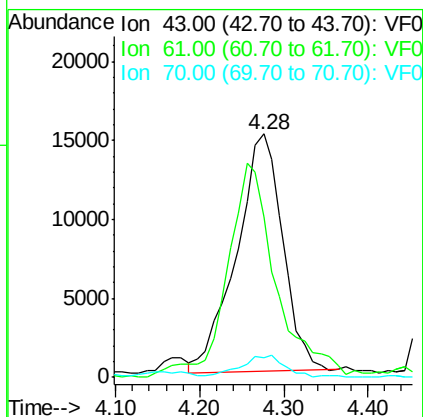
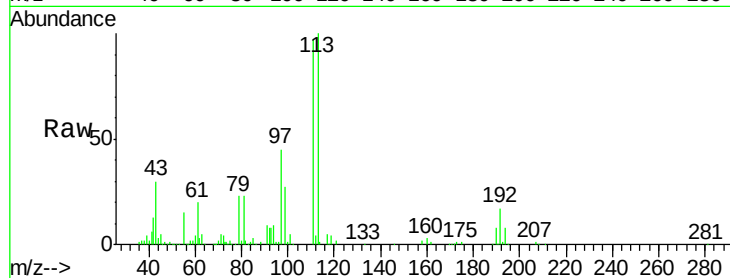




#37
Ethyl Acetate
Concen: 21.01 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

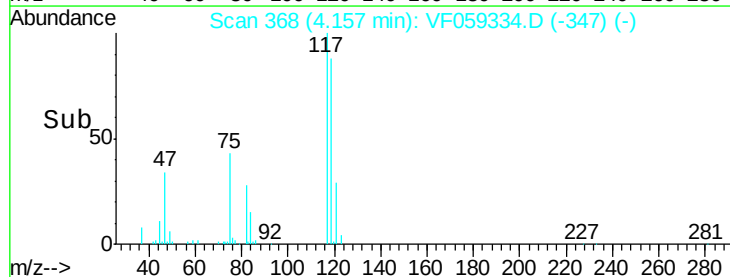
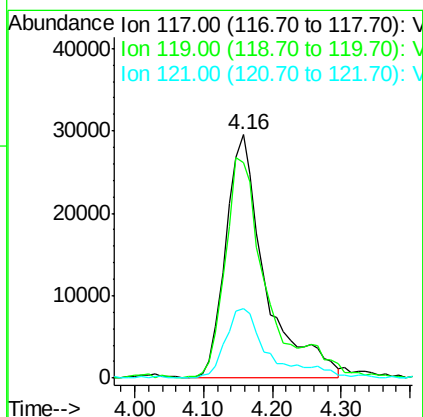
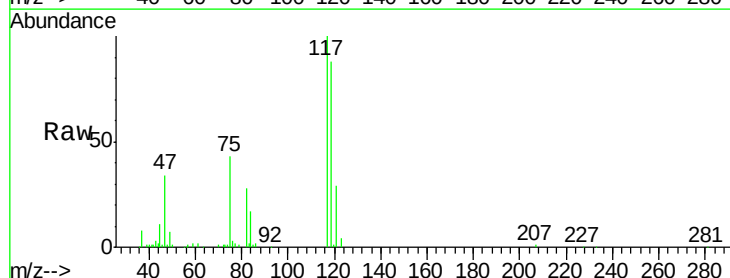
Instrument :
MSVOA_F
ClientSampled :

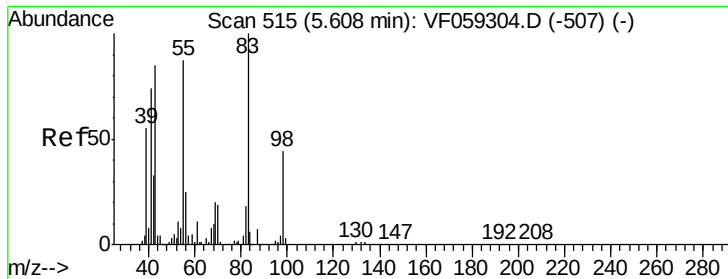
Tot Ion: 43 Resp: 57878
Ion Ratio Lower Upper
43 100
61 65.7 50.1 75.1
70 7.9 6.2 9.4



#38
Carbon Tetrachloride
Concen: 22.61 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.01 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

Tgt Ion: 117 Resp: 118038
Ion Ratio Lower Upper
117 100
119 88.4 81.0 121.4
121 28.7 24.7 37.1

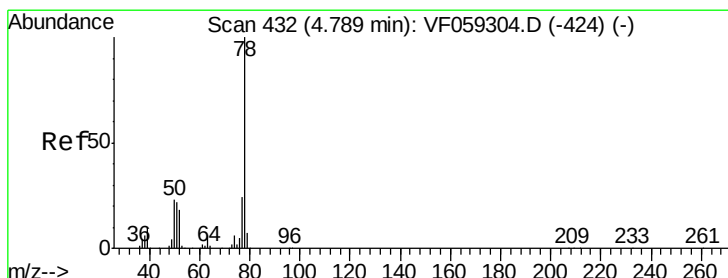
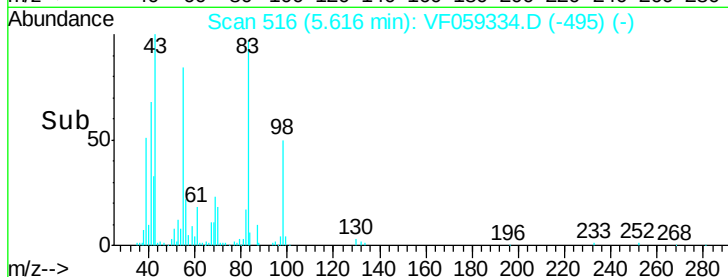
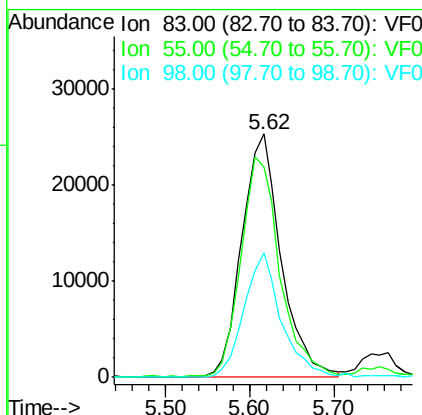
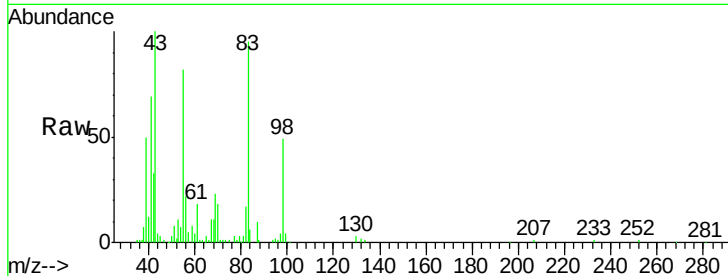




#39
Methylvlcyclohexane
Concen: 22.60 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.01 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

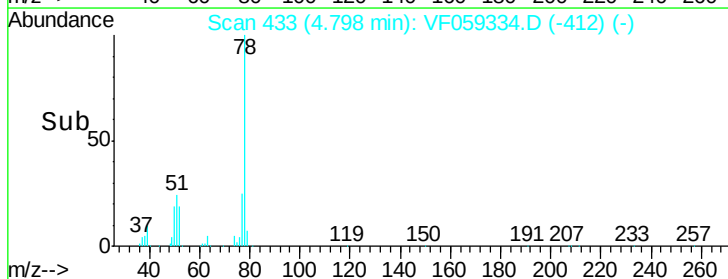
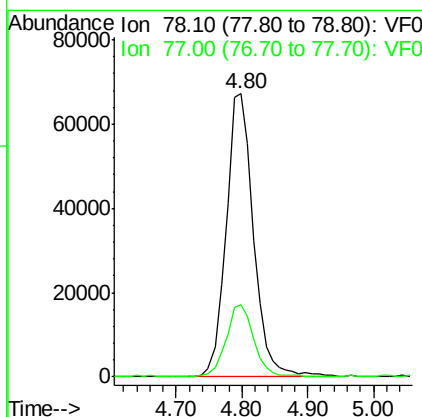
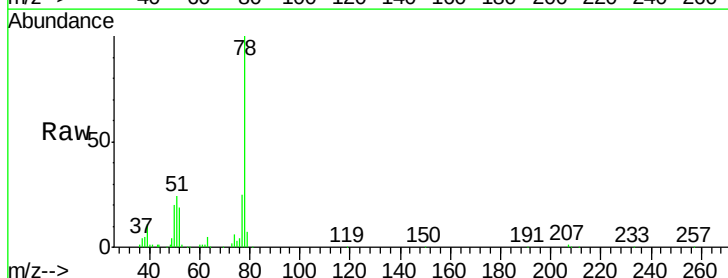
Instrument :
MSVOA_F
ClientSampleId :

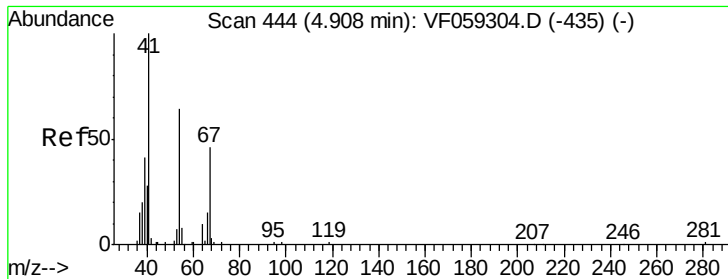
Tot Ion: 83 Resp: 82857
Ion Ratio Lower Upper
83 100
55 86.4 69.2 103.8
98 51.1 35.0 52.6



#40
Benzene
Concen: 21.40 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

Tgt Ion: 78 Resp: 196336
Ion Ratio Lower Upper
78 100
77 25.3 19.6 29.4

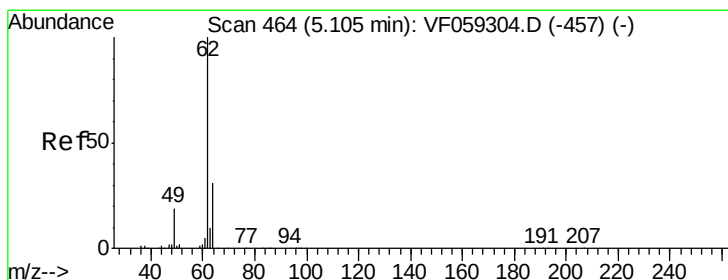
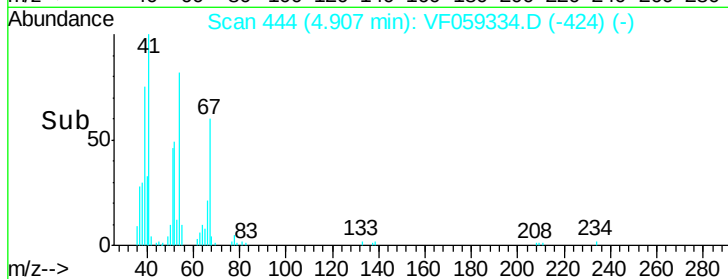
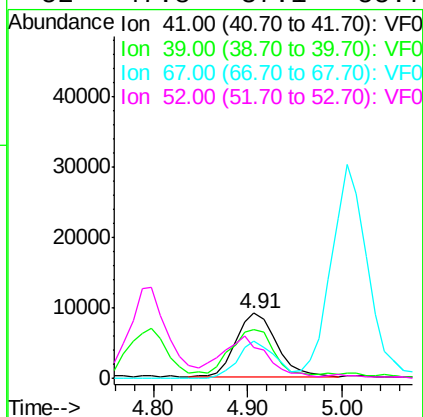
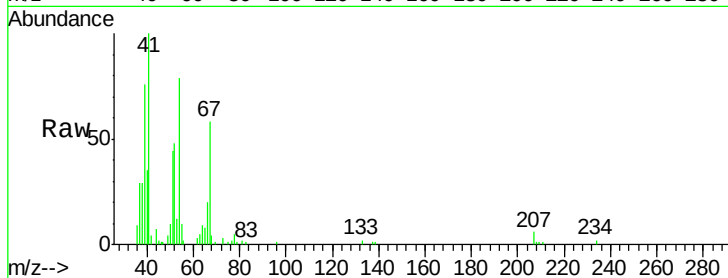




#41
Methacrylonitrile
Concen: 19.69 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

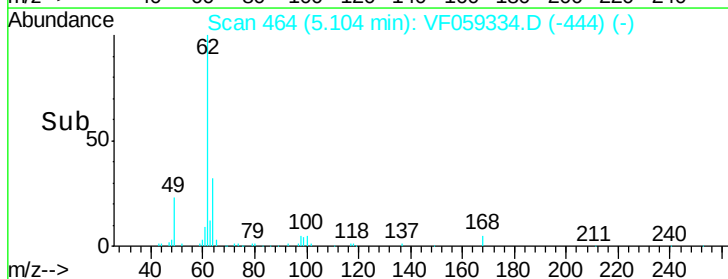
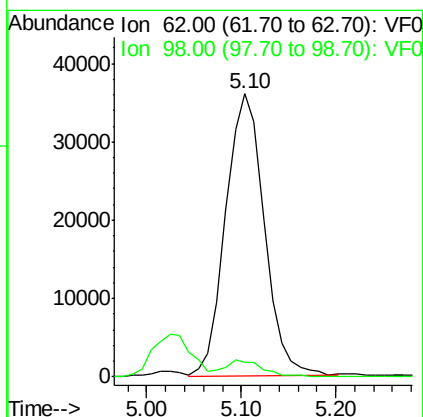
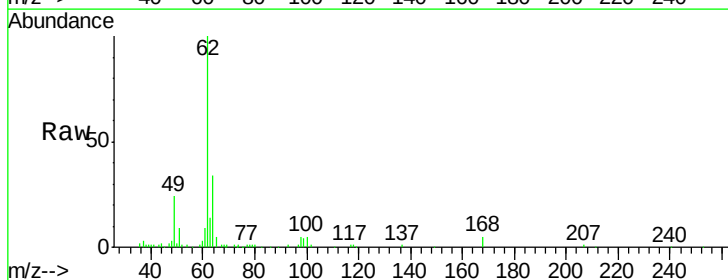
Instrument :
MSVOA_F
ClientSampleId :

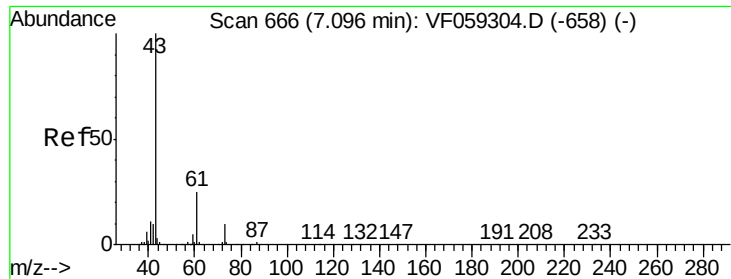
Tot Ion: 41 Resp: 27792
Ion Ratio Lower Upper
41 100
39 76.0 50.0 75.0#
67 58.3 37.0 55.6#
52 47.8 37.1 55.7



#42
1,2-Dichloroethane
Concen: 18.90 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.00 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

Tgt Ion: 62 Resp: 101322
Ion Ratio Lower Upper
62 100
98 5.2 0.0 11.4





#43

Isopropyl Acetate

Concen: 21.62 ug/l

RT: 7.09 min Scan# 666

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

ClientSampleId :

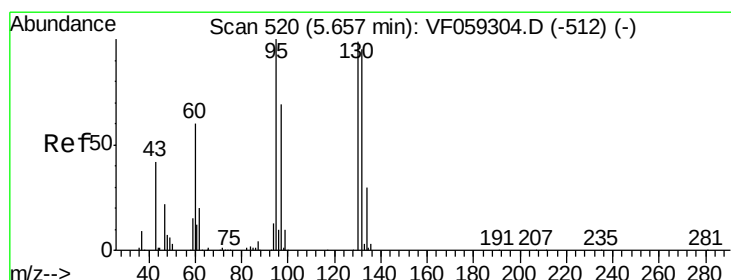
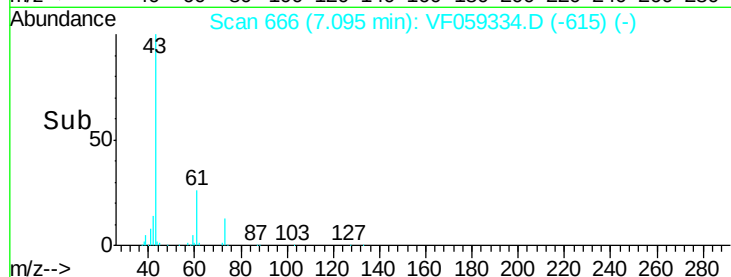
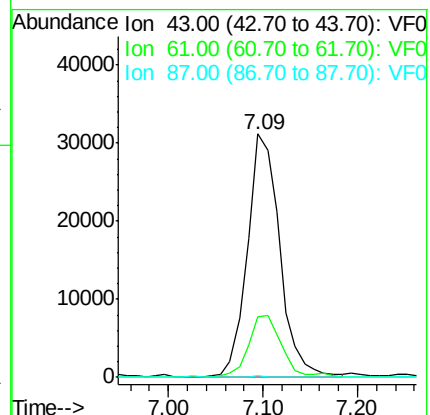
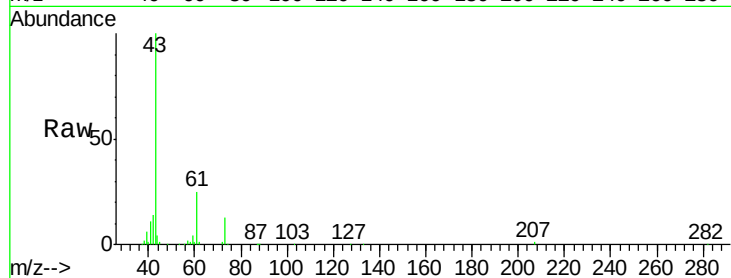
Tot Ion: 43 Resp: 74494

Ion Ratio Lower Upper

43 100

61 24.7 19.7 29.5

87 0.8 0.5 0.7#



#44

Trichloroethene

Concen: 21.31 ug/l

RT: 5.67 min Scan# 521

Delta R.T. 0.01 min

Lab File: VF059334.D

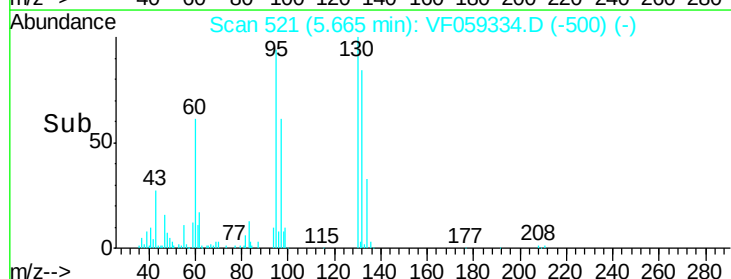
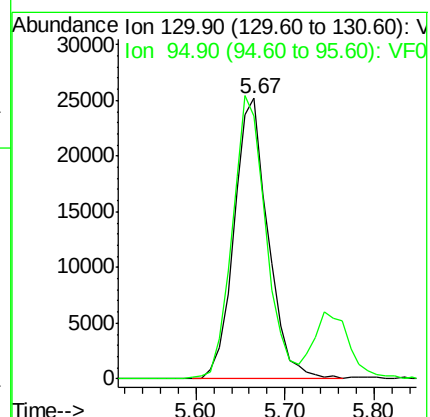
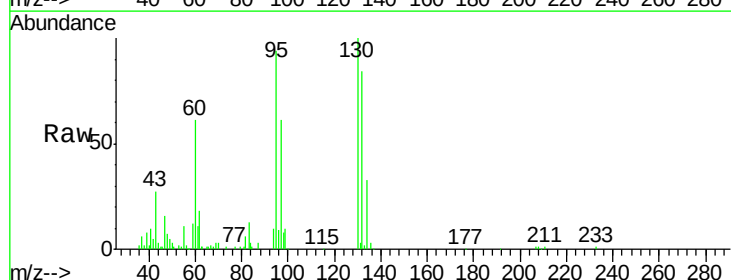
Acq: 27 Jun 2018 13:01

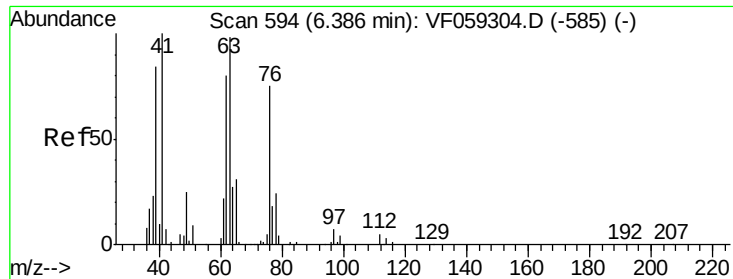
Tgt Ion:130 Resp: 67071

Ion Ratio Lower Upper

130 100

95 93.9 0.0 202.4





#45

1,2-Dichloropropane

Concen: 21.34 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

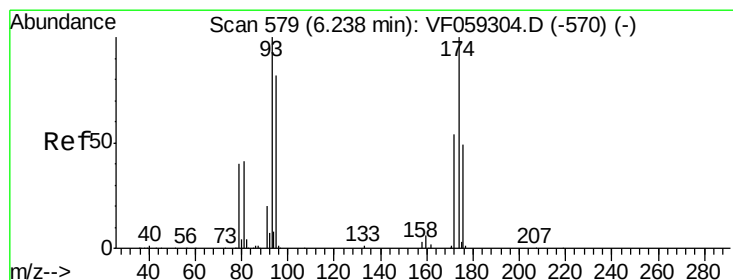
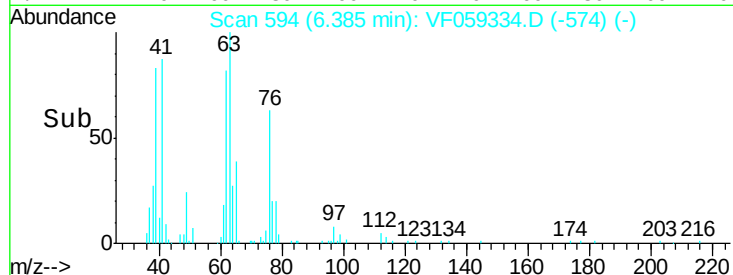
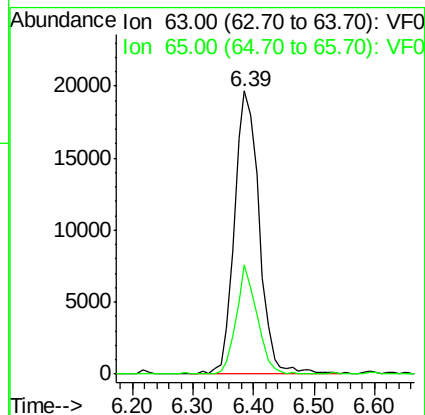
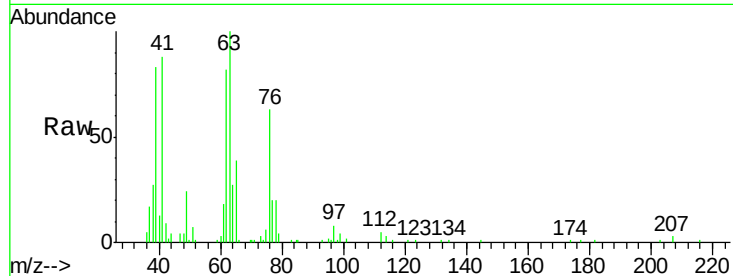
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 55930

Ion Ratio Lower Upper

63 100

65 38.7 25.3 37.9#



#46

Dibromomethane

Concen: 20.12 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

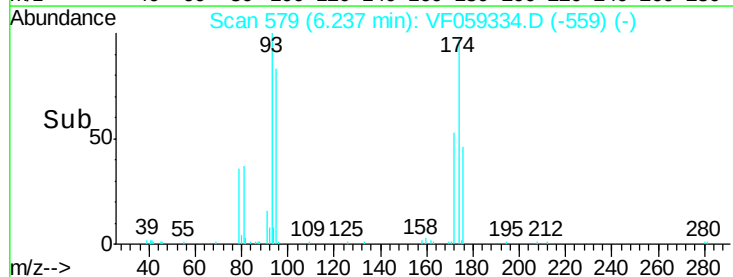
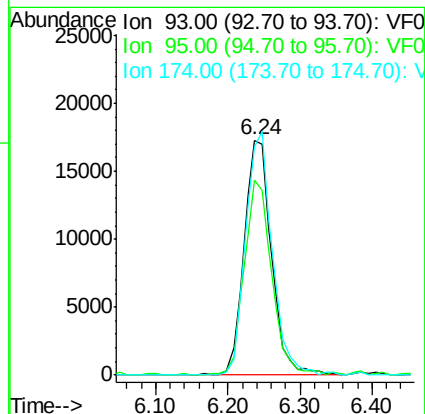
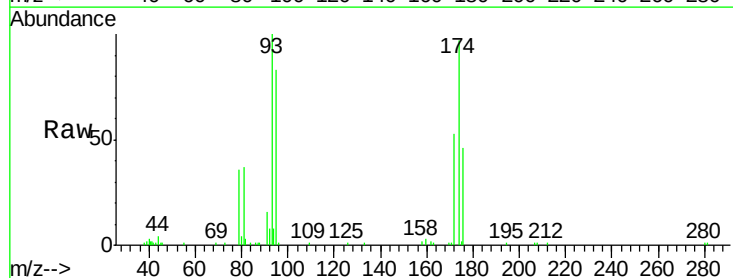
Tgt Ion: 93 Resp: 45778

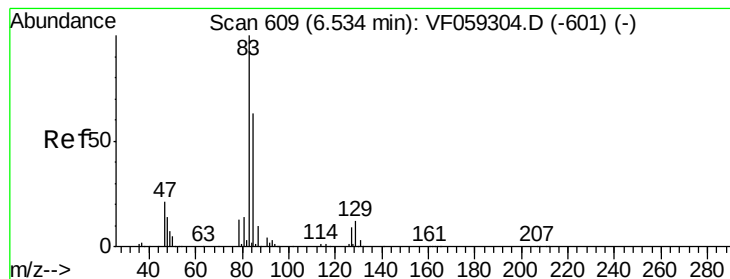
Ion Ratio Lower Upper

93 100

95 83.4 65.6 98.4

174 97.1 80.0 120.0





#47

Bromodichloromethane

Concen: 17.72 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

ClientSampleId :

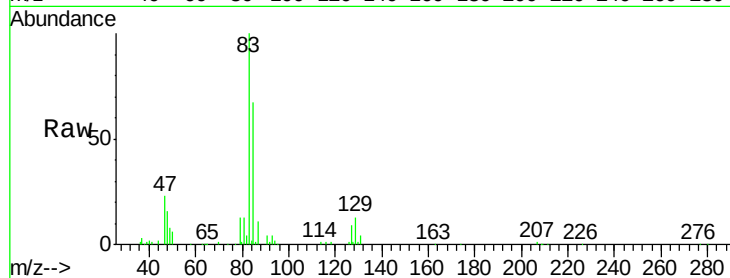
Tot Ion: 83 Resp: 97571

Ion Ratio Lower Upper

83 100

85 67.1 50.2 75.2

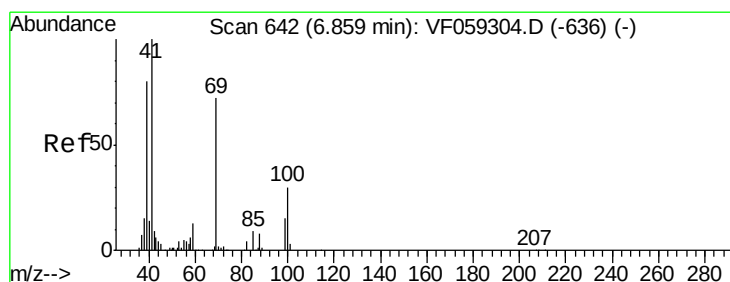
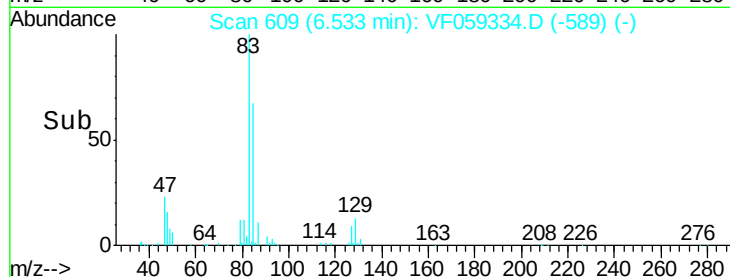
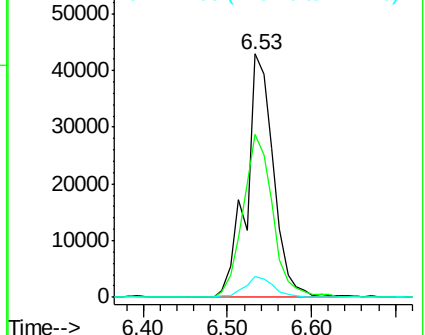
127 8.8 7.0 10.4



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: 21.63 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

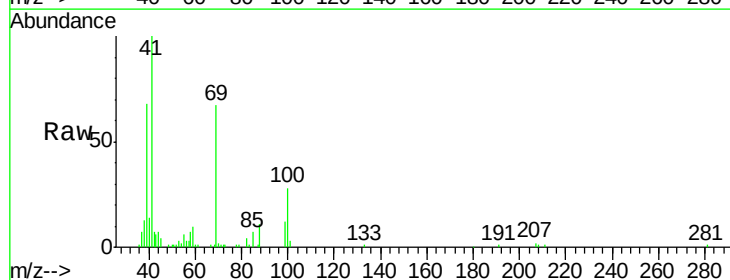
Tgt Ion: 41 Resp: 49964

Ion Ratio Lower Upper

41 100

69 67.1 57.3 85.9

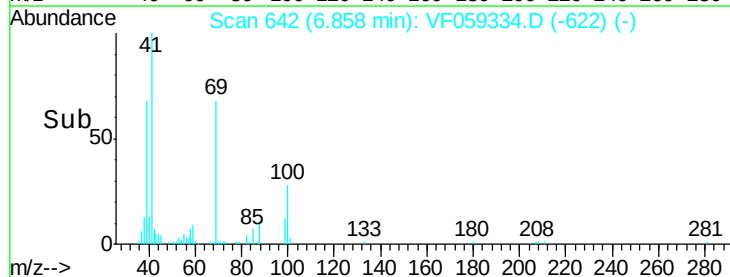
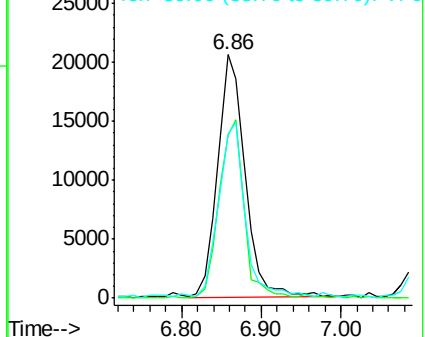
39 67.7 64.4 96.6

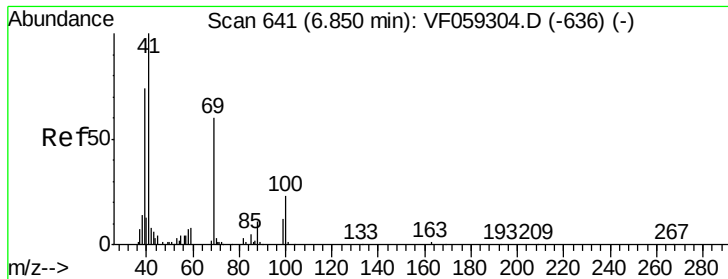


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 479.07 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.01 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

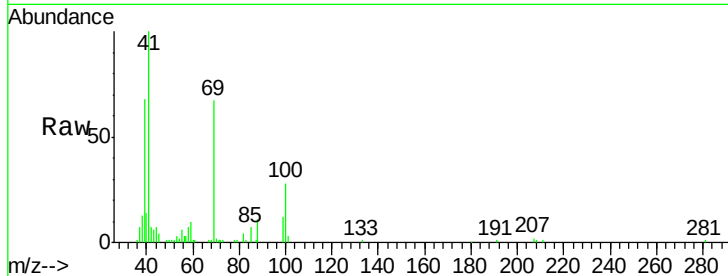
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 88 Resp: 6177

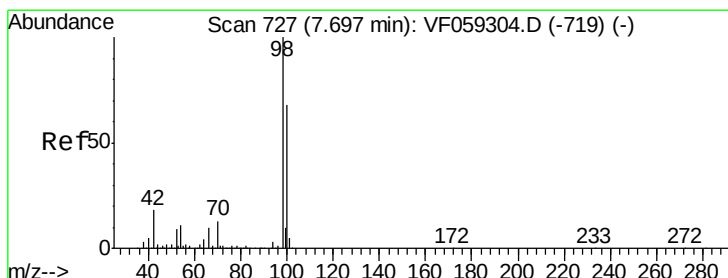
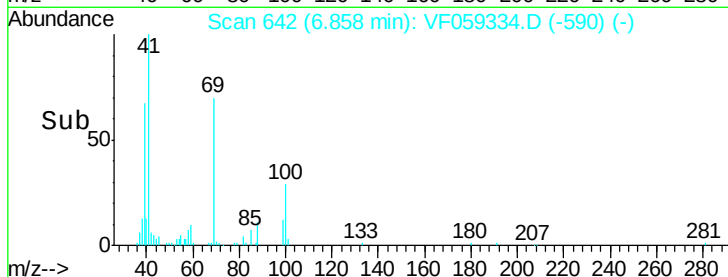
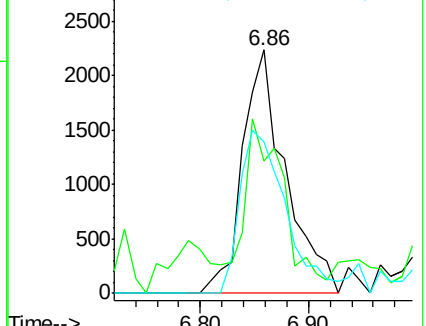
Ion	Ratio	Lower	Upper
88	100		
43	54.2	50.6	75.8
58	62.2	46.6	69.8



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 42.35 ug/l

RT: 7.70 min Scan# 727

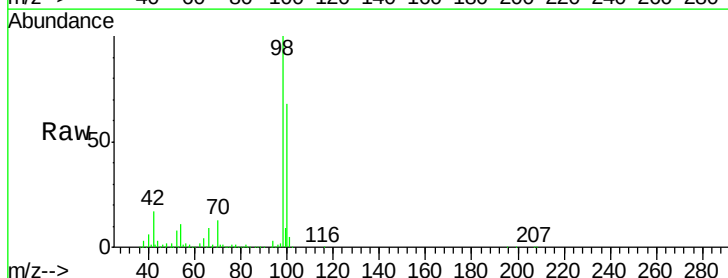
Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

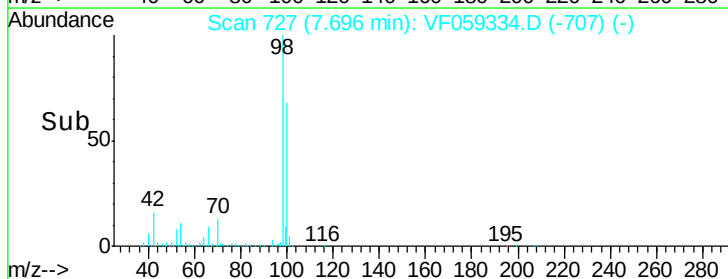
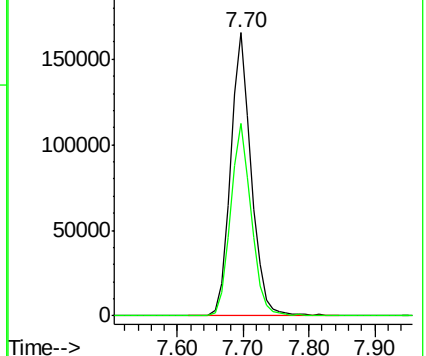
Tgt Ion: 98 Resp: 362881

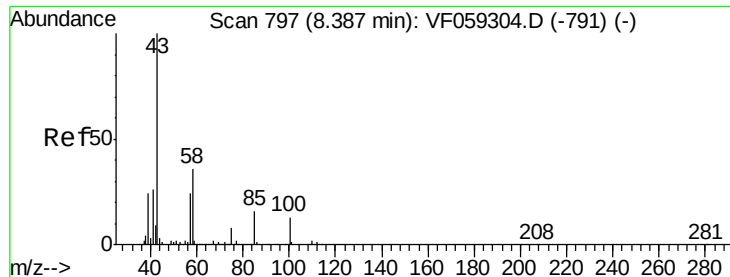
Ion	Ratio	Lower	Upper
98	100		
100	67.8	54.6	82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 111.65 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

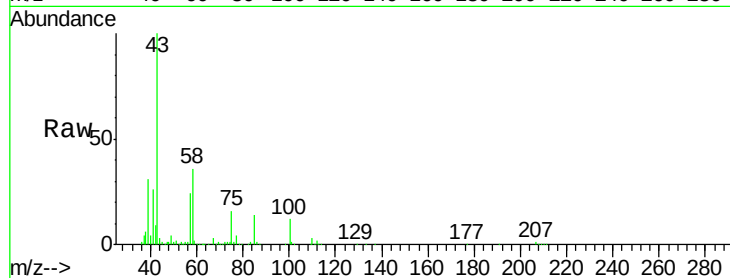
ClientSampleId :

Tot Ion: 43 Resp: 285047

Ion Ratio Lower Upper

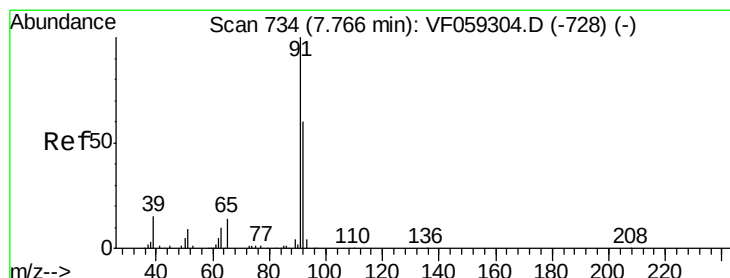
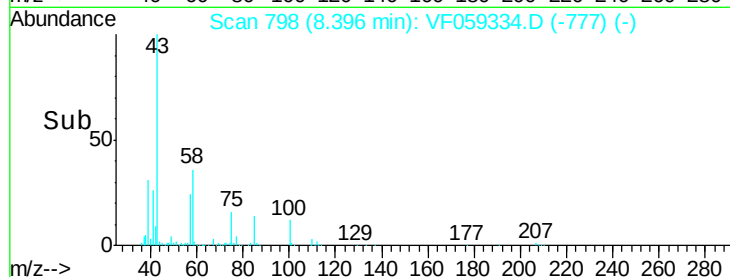
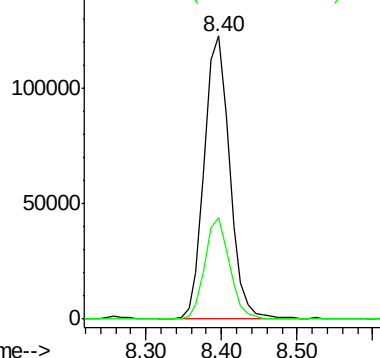
43 100

58 35.8 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 18.95 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059334.D

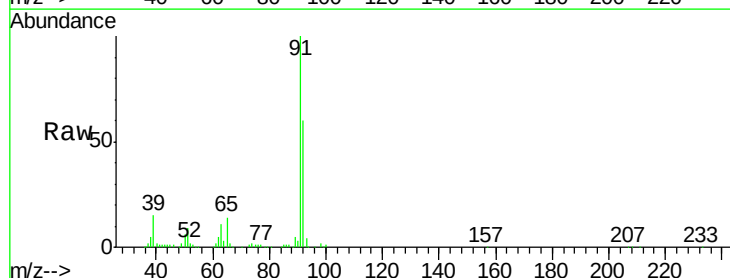
Acq: 27 Jun 2018 13:01

Tgt Ion: 92 Resp: 130102

Ion Ratio Lower Upper

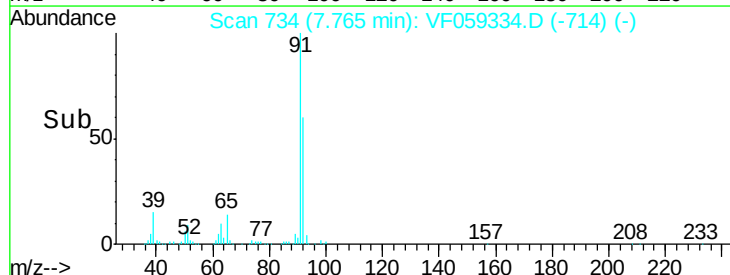
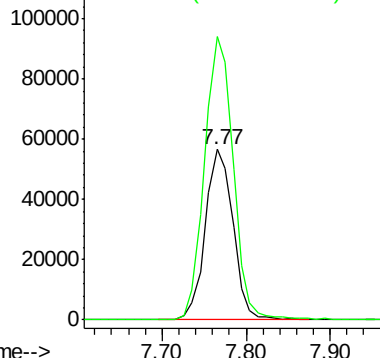
92 100

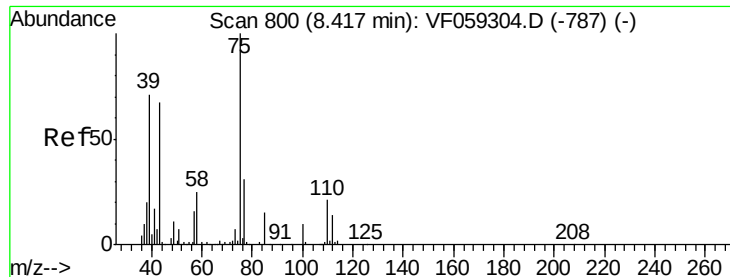
91 166.1 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.14 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

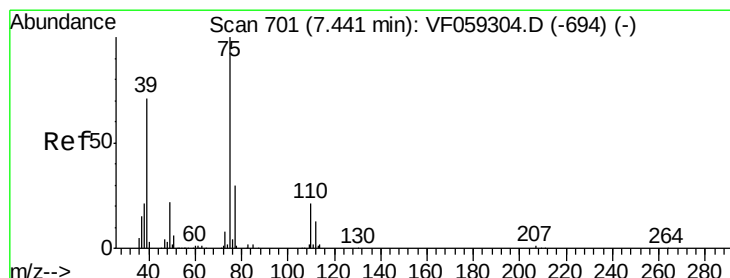
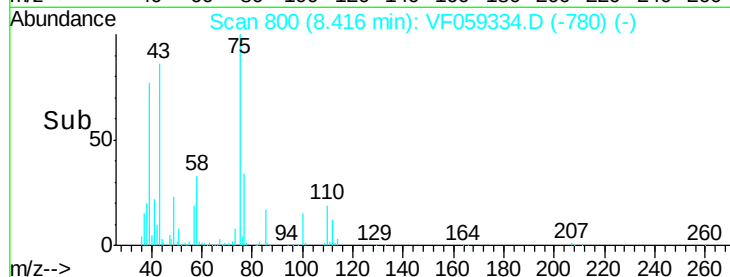
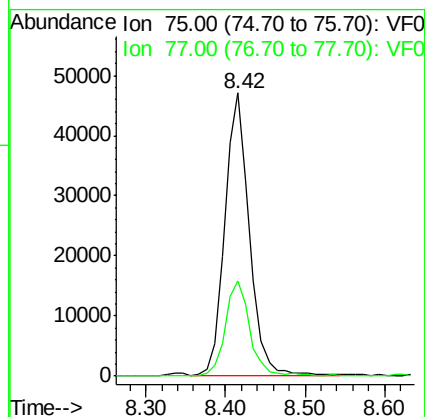
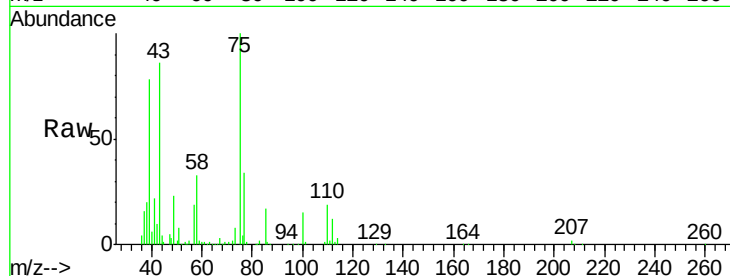
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 101110

Ion Ratio Lower Upper

75 100

77 33.7 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 19.83 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

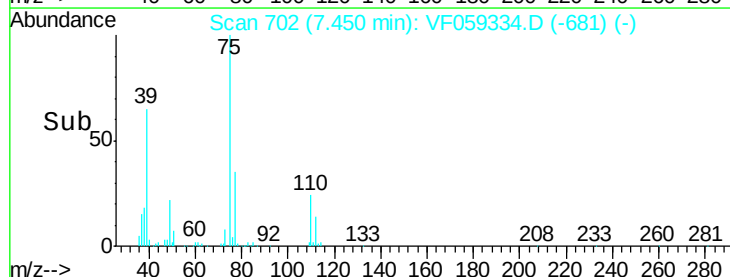
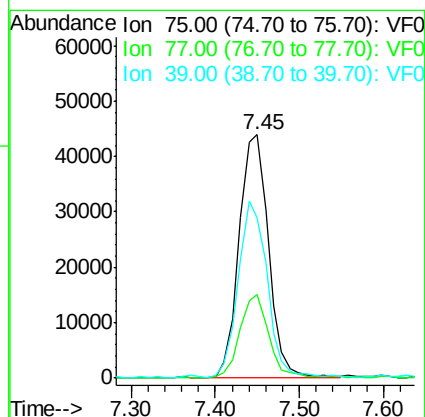
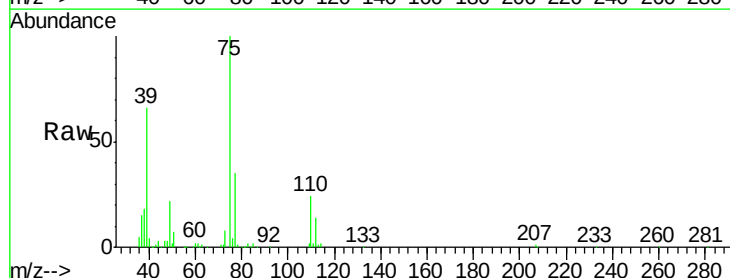
Tgt Ion: 75 Resp: 108114

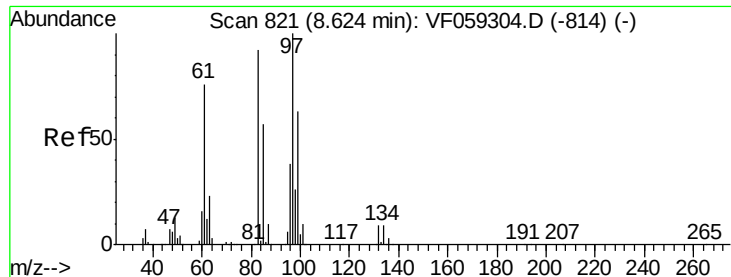
Ion Ratio Lower Upper

75 100

77 34.6 24.3 36.5

39 65.8 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 20.46 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

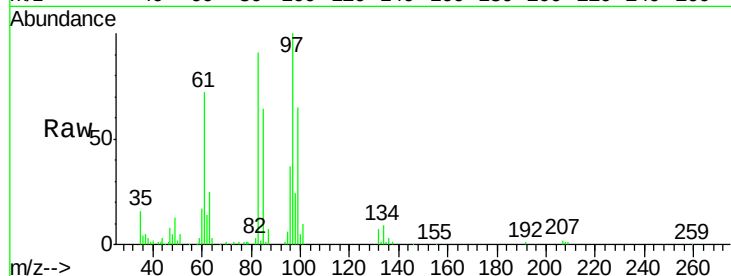
Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 54518

Ion	Ratio	Lower	Upper
97	100		
83	90.8	73.8	110.8
85	64.2	45.5	68.3
99	65.1	50.7	76.1

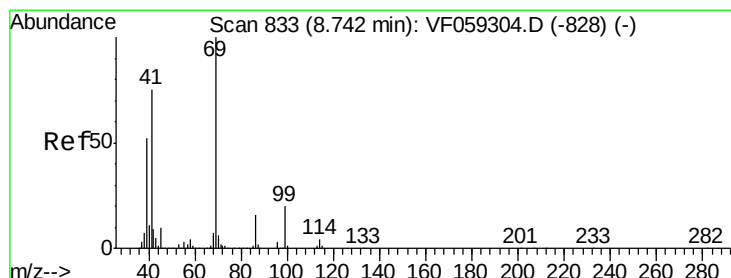
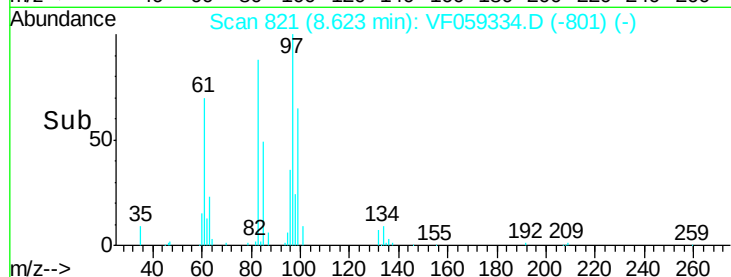
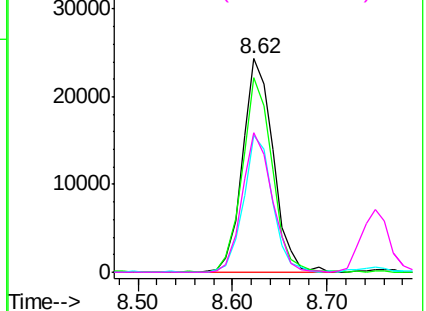


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.20 ug/l

RT: 8.75 min Scan# 834

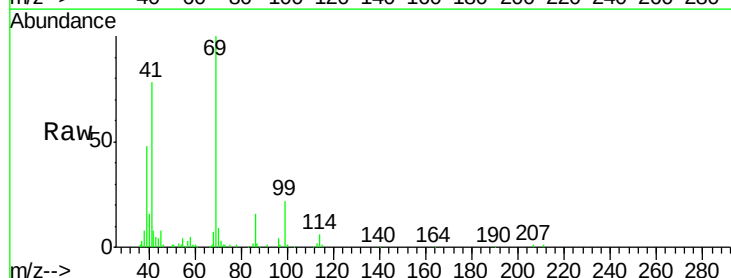
Delta R.T. 0.01 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Tgt Ion: 69 Resp: 66702

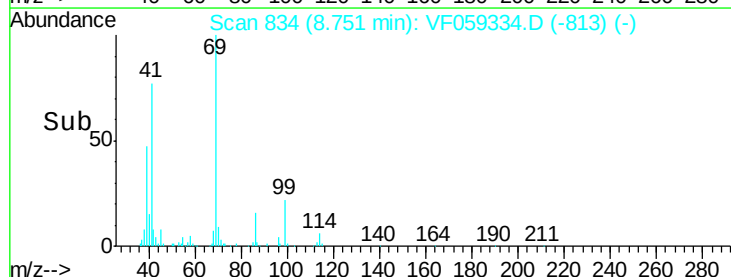
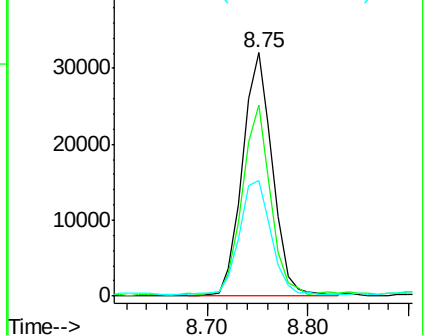
Ion	Ratio	Lower	Upper
69	100		
41	78.4	60.3	90.5
39	47.6	42.2	63.4

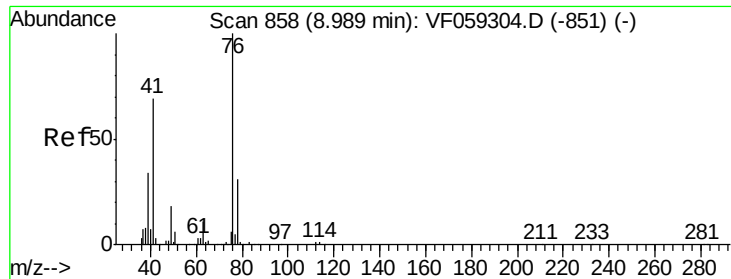


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.03 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

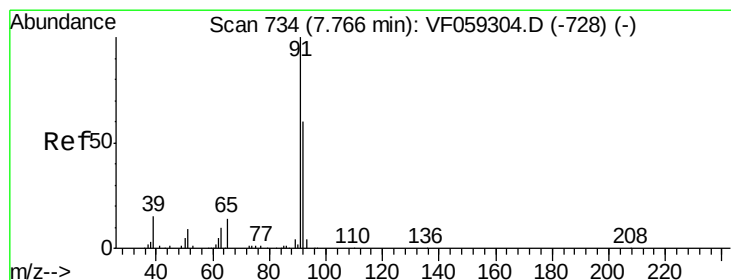
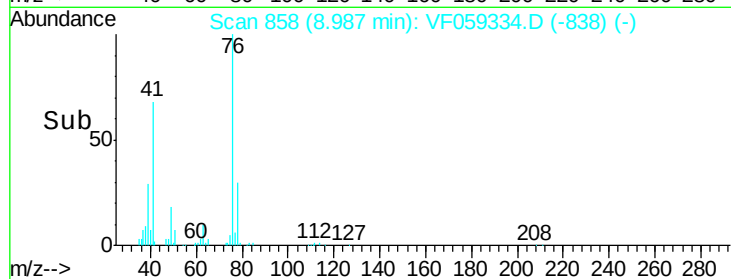
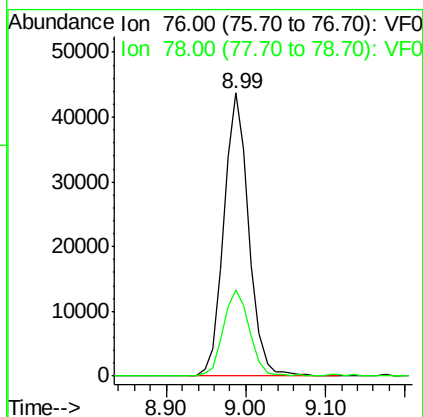
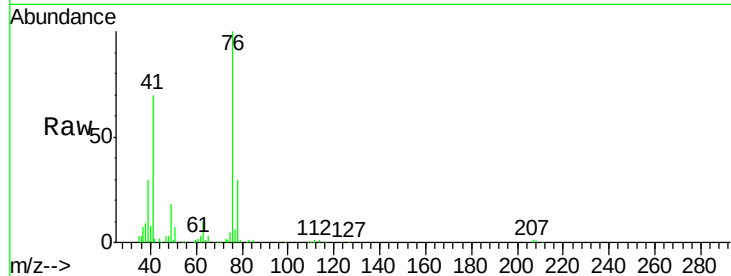
ClientSampleId :

Tot Ion: 76 Resp: 96133

Ion Ratio Lower Upper

76 100

78 30.4 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 97.61 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059334.D

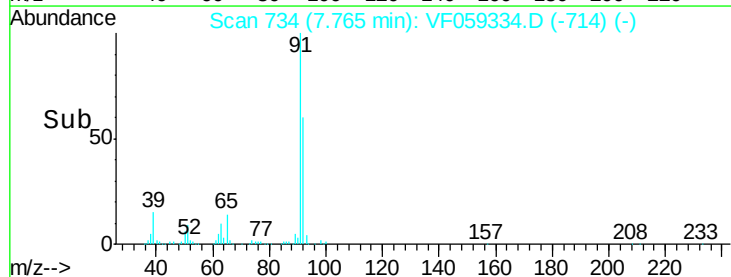
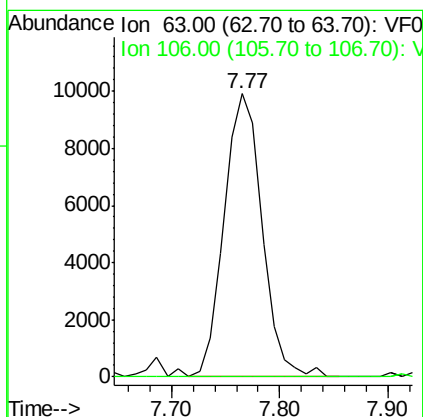
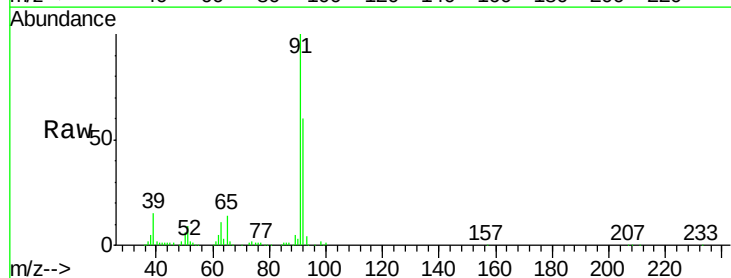
Acq: 27 Jun 2018 13:01

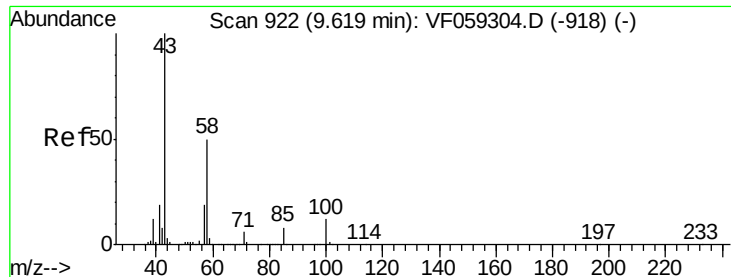
Tgt Ion: 63 Resp: 24170

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

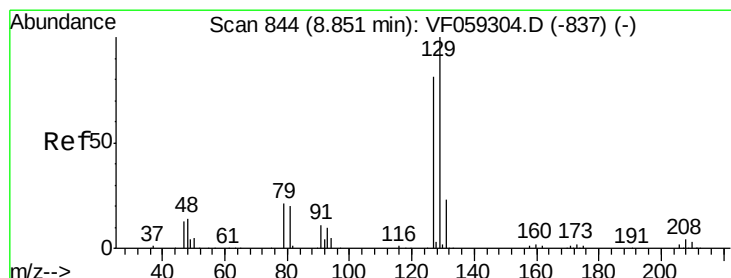
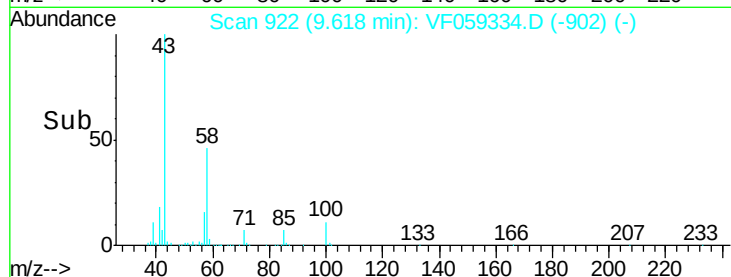
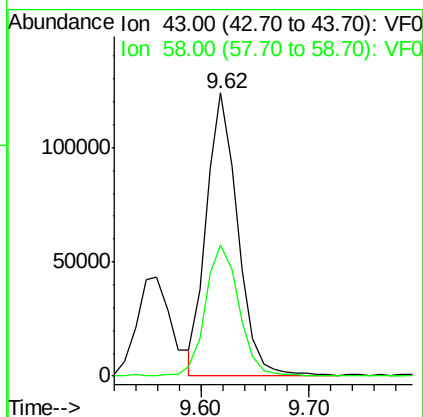
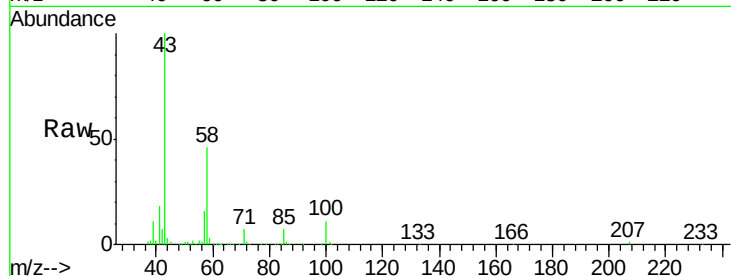




#59
2-Hexanone
Concen: 119.91 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

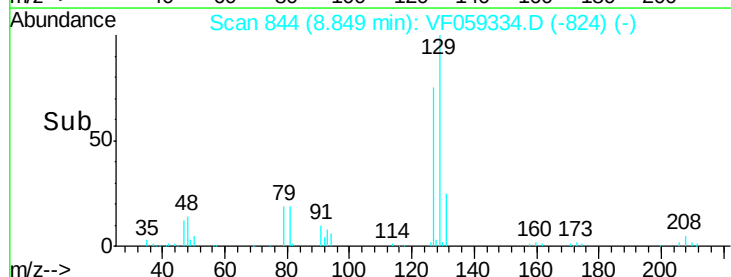
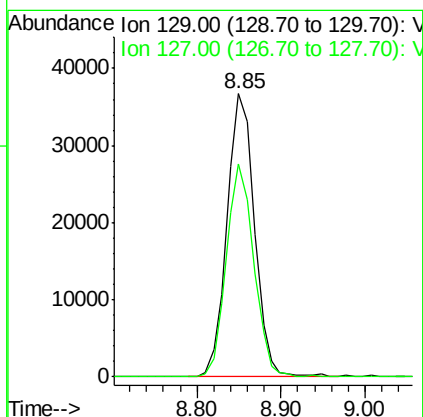
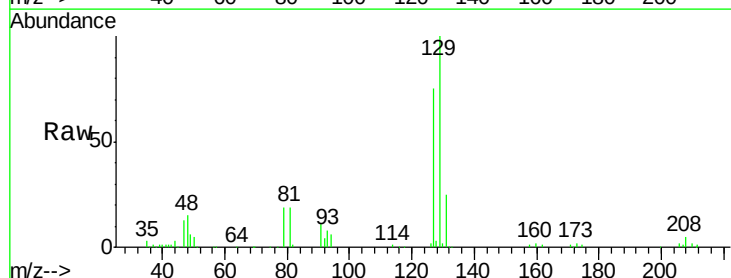
Instrument :
MSVOA_F
ClientSampled :

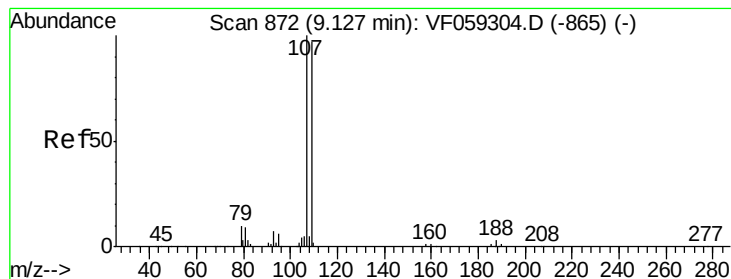
Tot Ion: 43 Resp: 246857
Ion Ratio Lower Upper
43 100
58 46.4 23.3 69.9



#60
Dibromochloromethane
Concen: 20.27 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

Tgt Ion:129 Resp: 83388
Ion Ratio Lower Upper
129 100
127 75.3 40.7 122.1





#61

1,2-Dibromoethane

Concen: 8.71 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

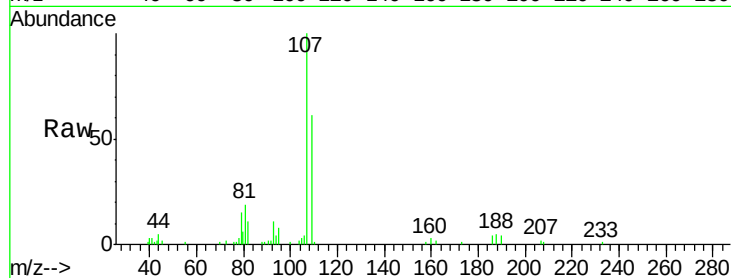
ClientSampled :

Tot Ion:107 Resp: 28151

Ion Ratio Lower Upper

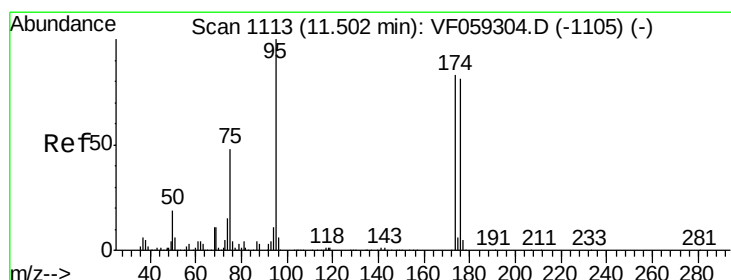
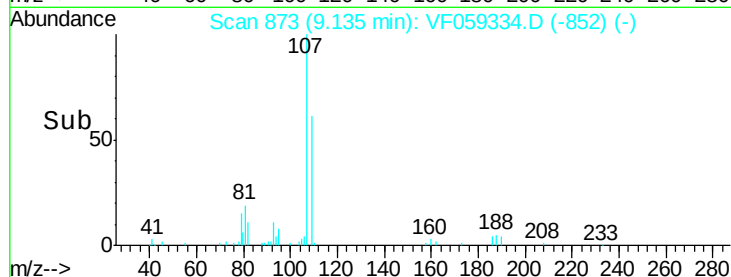
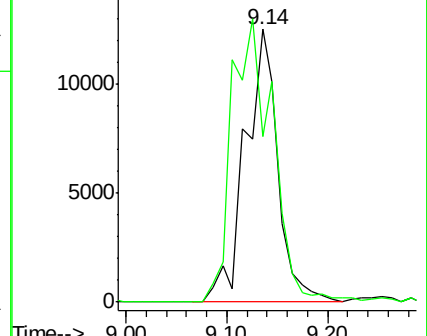
107 100

109 60.6 77.3 115.9#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 41.41 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

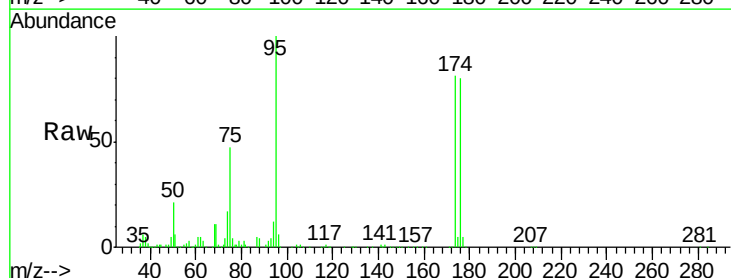
Tgt Ion: 95 Resp: 200160

Ion Ratio Lower Upper

95 100

174 80.7 0.0 165.2

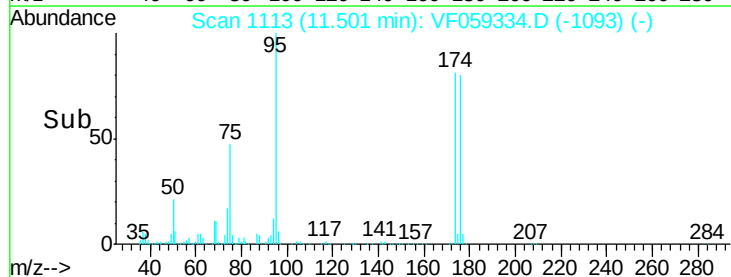
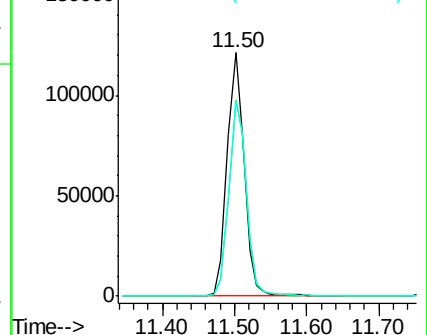
176 80.2 0.0 161.0

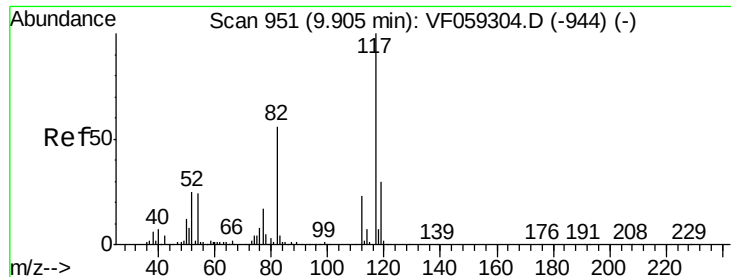


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

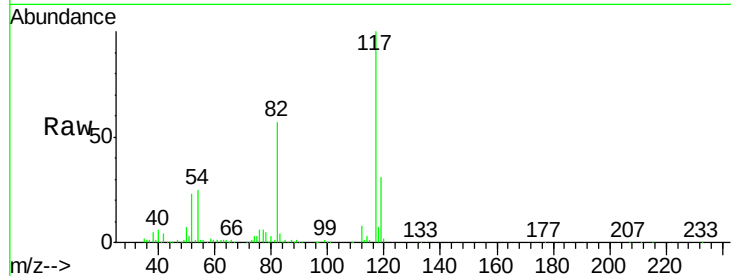




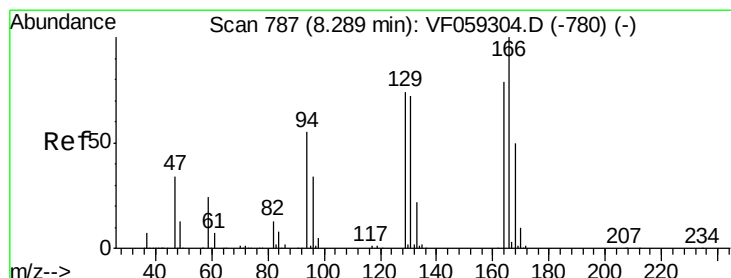
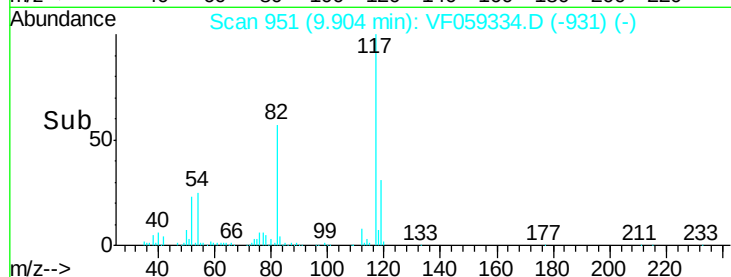
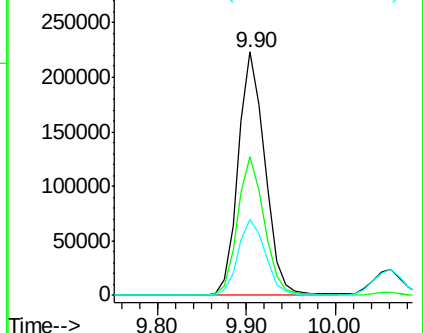
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 467922
Ion Ratio Lower Upper
117 100
82 57.0 44.6 66.8
119 31.2 24.1 36.1

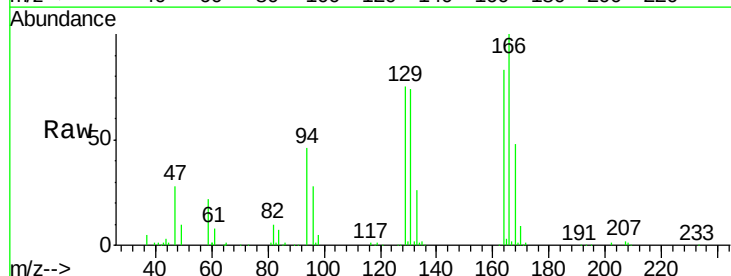


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

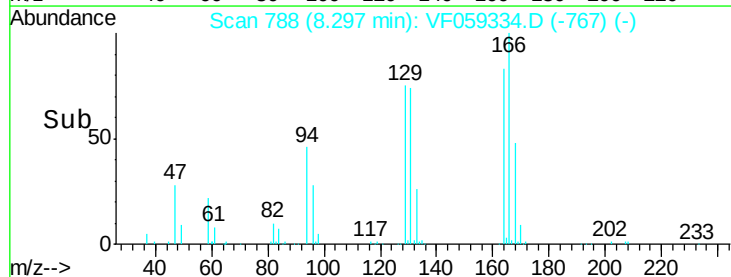
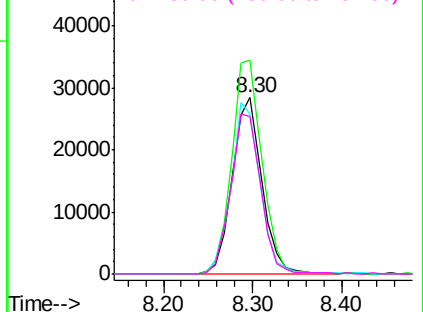


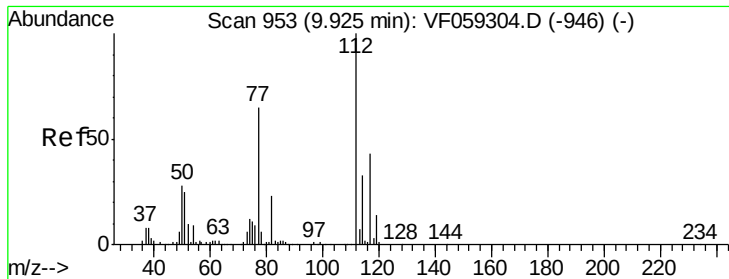
#64
Tetrachloroethene
Concen: 21.78 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.01 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

Tgt Ion:164 Resp: 66111
Ion Ratio Lower Upper
164 100
166 120.9 101.1 151.7
129 90.4 75.0 112.4
131 89.3 73.3 109.9



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

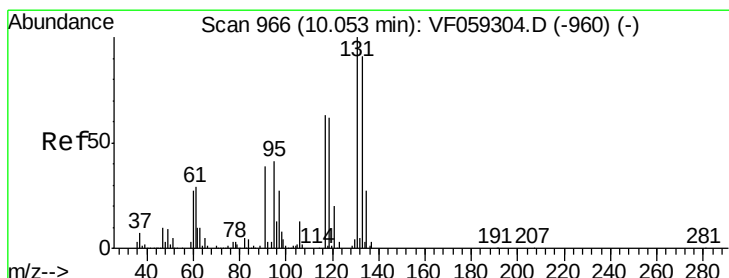
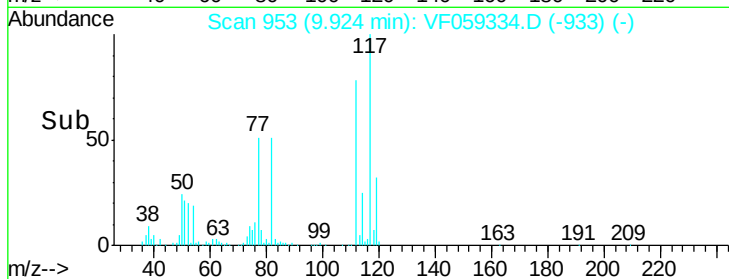
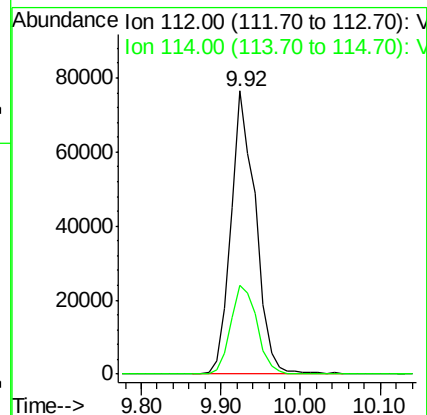
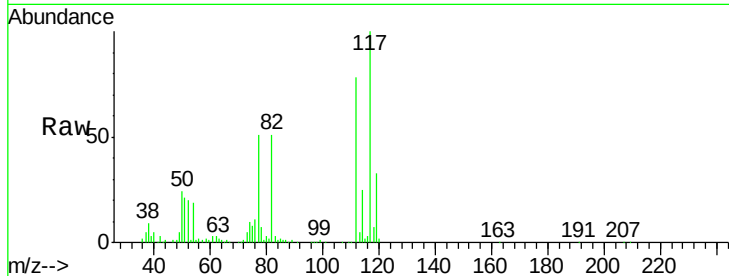




#65
Chlorobenzene
Concen: 19.24 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

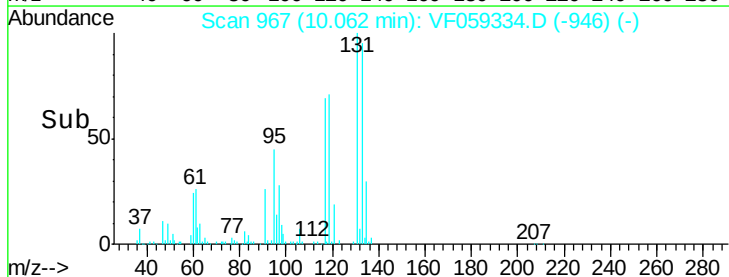
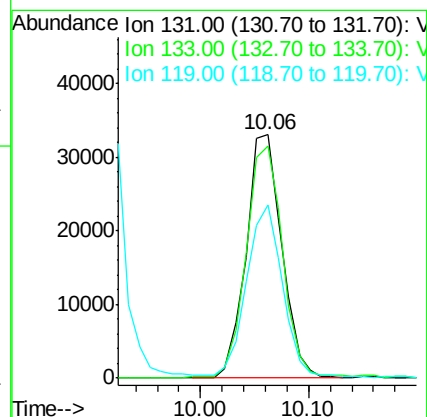
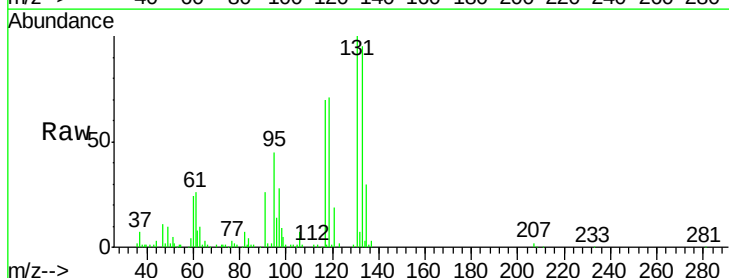
Instrument :
MSVOA_F
ClientSampleId :

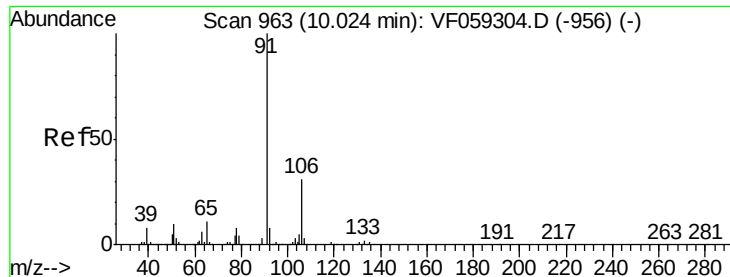
Tot Ion:112 Resp: 166843
Ion Ratio Lower Upper
112 100
114 31.4 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.27 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

Tgt Ion:131 Resp: 76025
Ion Ratio Lower Upper
131 100
133 95.5 45.3 135.9
119 71.0 31.3 93.9





#67

Ethyl Benzene

Concen: 21.31 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

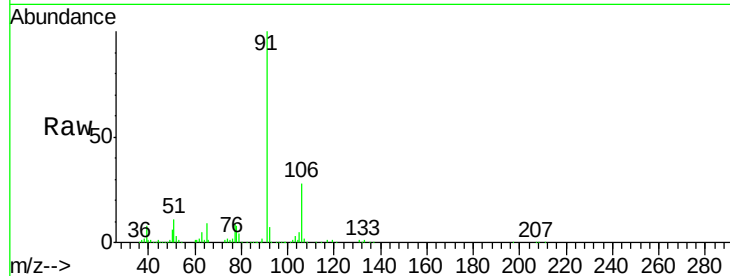
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 313428

Ion Ratio Lower Upper

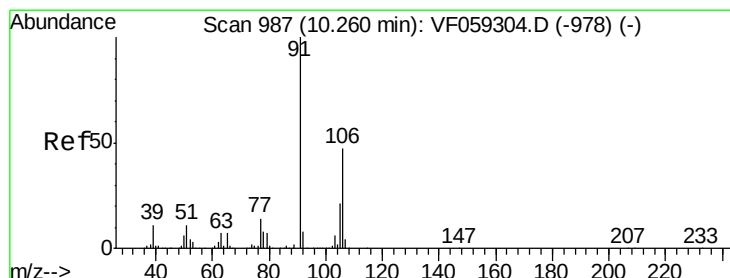
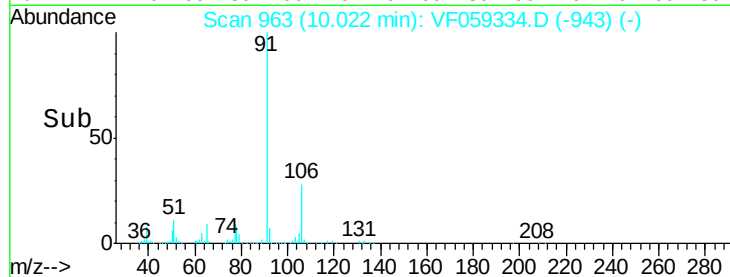
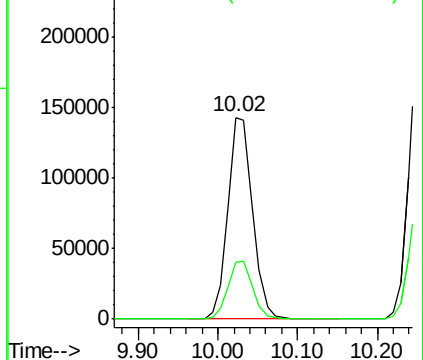
91 100

106 28.2 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.87 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF059334.D

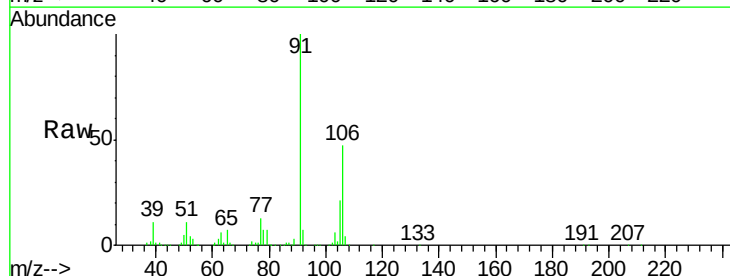
Acq: 27 Jun 2018 13:01

Tgt Ion: 106 Resp: 224457

Ion Ratio Lower Upper

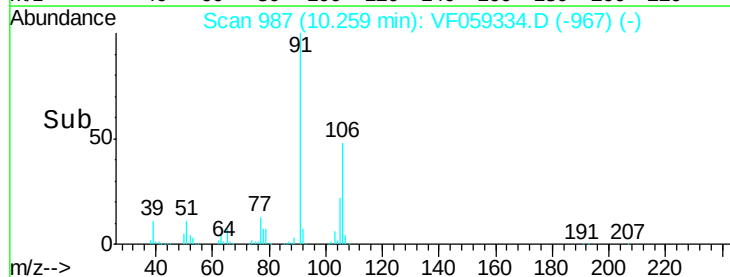
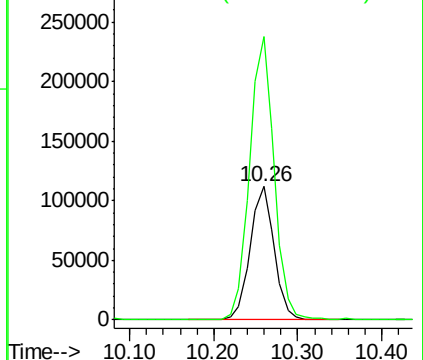
106 100

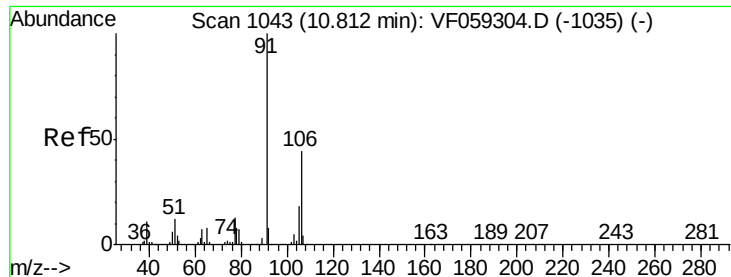
91 212.7 170.8 256.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

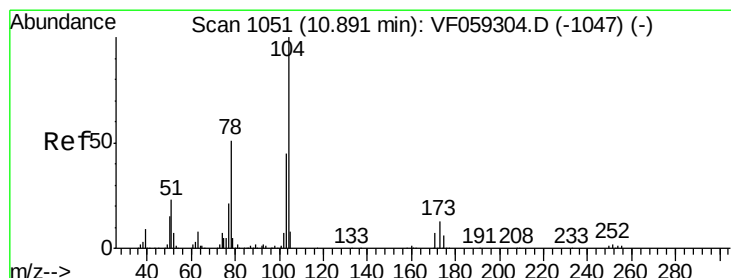
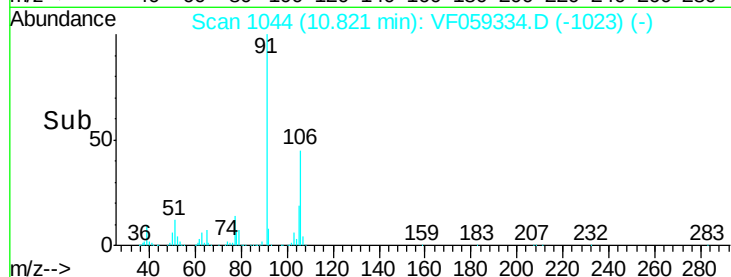
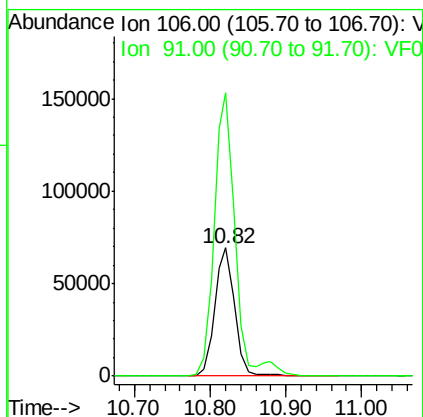
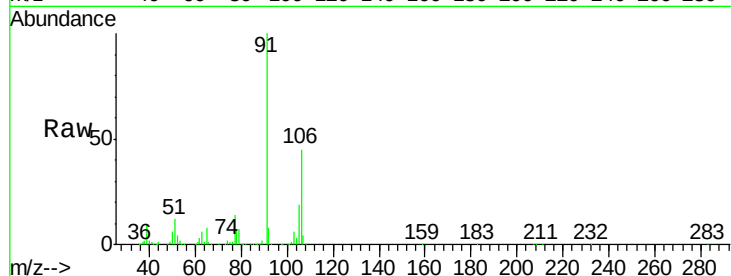




#69
o-Xylene
Concen: 21.90 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

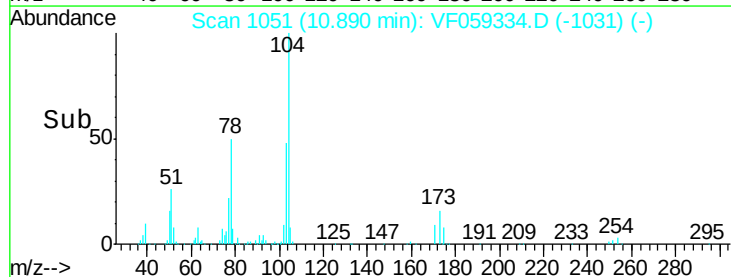
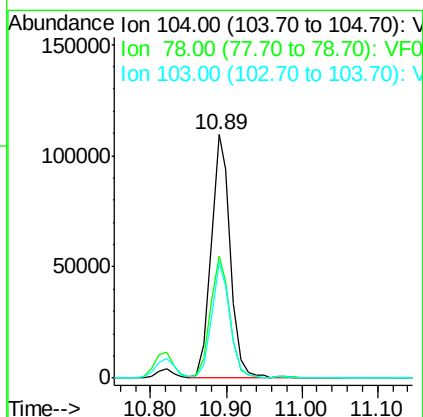
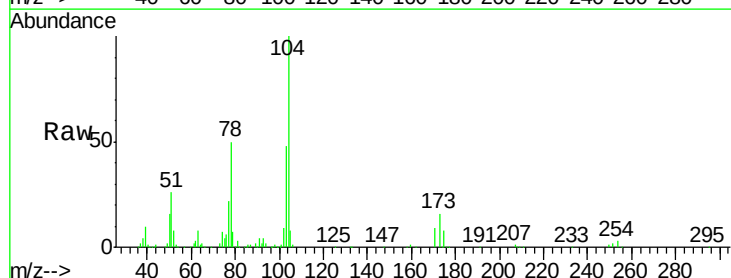
Instrument :
MSVOA_F
ClientSampleId :

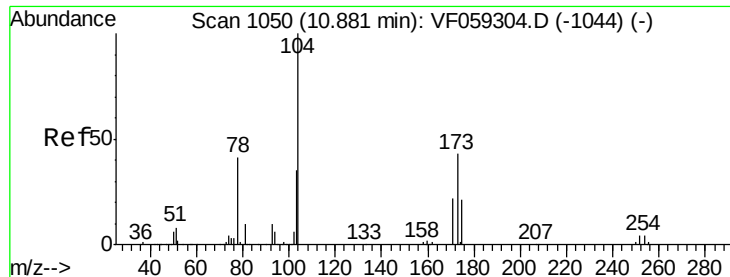
Tot Ion:106 Resp: 128245
Ion Ratio Lower Upper
106 100
91 220.4 114.6 343.6



#70
Styrene
Concen: 21.89 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

Tgt Ion:104 Resp: 195306
Ion Ratio Lower Upper
104 100
78 50.3 40.9 61.3
103 47.7 36.5 54.7





#71

Bromoform

Concen: 20.18 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

ClientSampled :

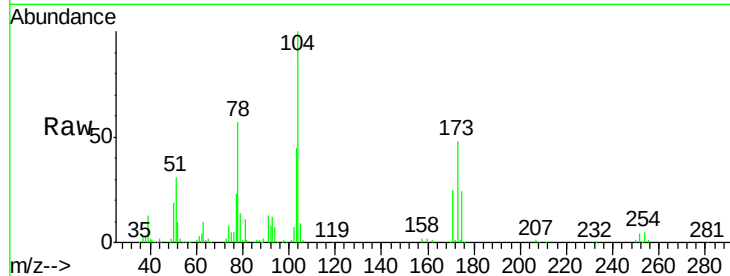
Tot Ion:173 Resp: 51870

Ion Ratio Lower Upper

173 100

175 50.9 24.8 74.3

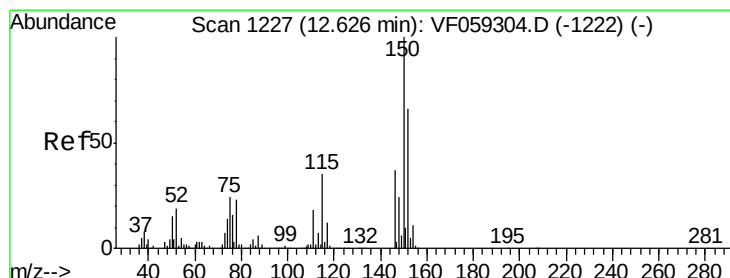
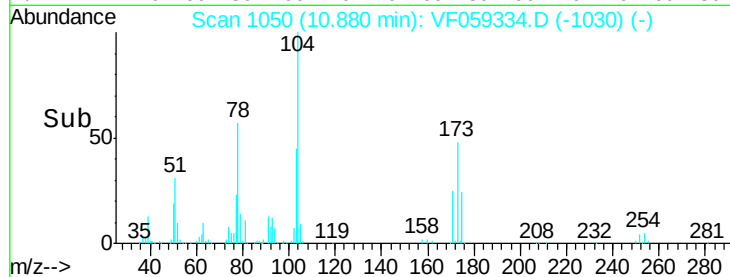
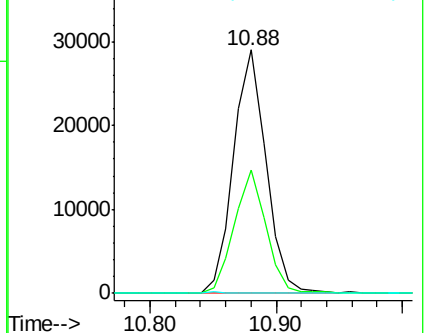
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

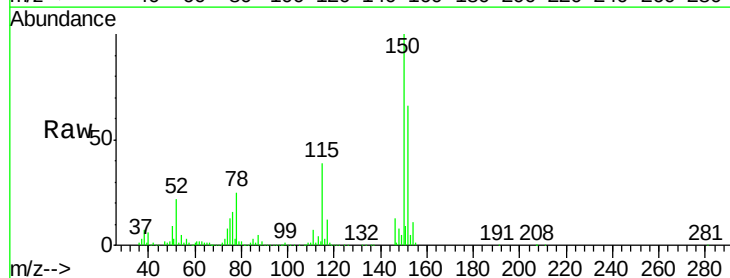
Tgt Ion:152 Resp: 283842

Ion Ratio Lower Upper

152 100

115 58.7 27.1 81.3

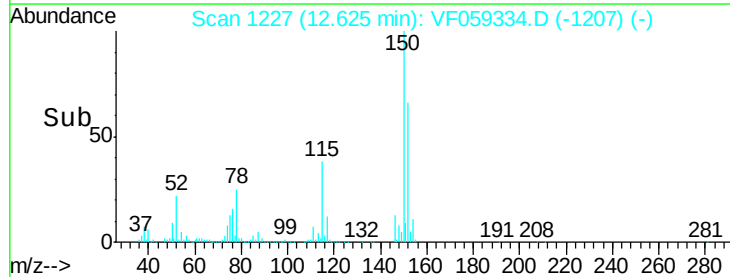
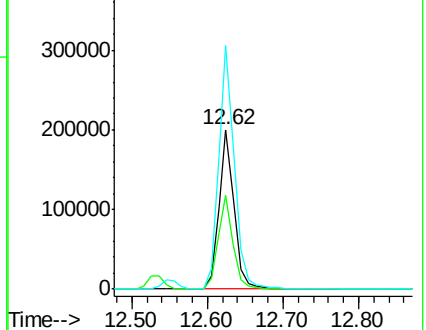
150 152.5 0.0 305.2

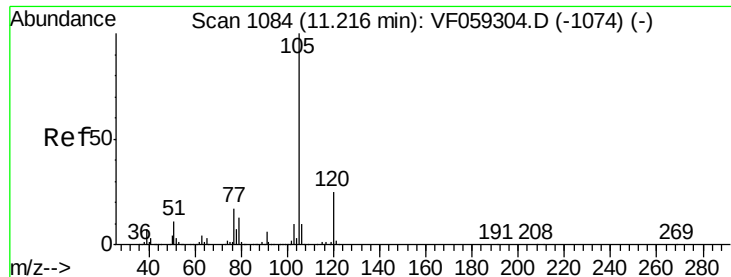


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.03 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

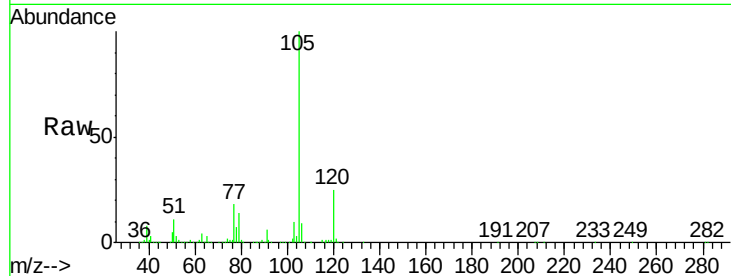
ClientSampleId :

Tot Ion:105 Resp: 364211

Ion Ratio Lower Upper

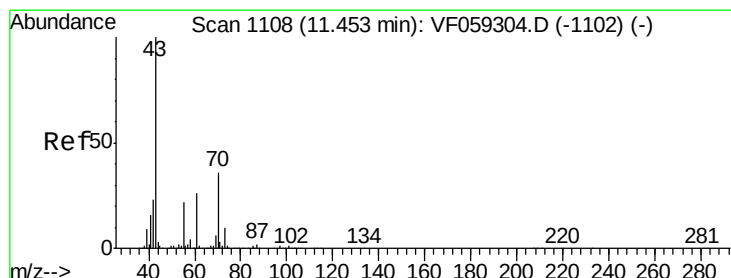
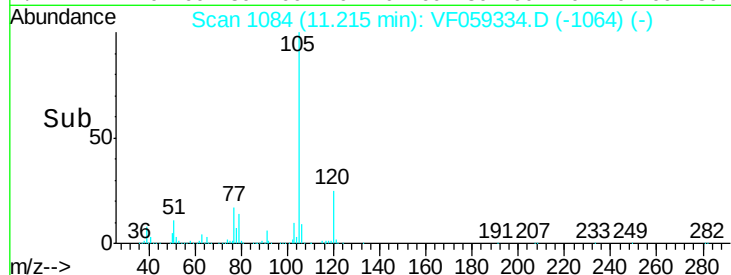
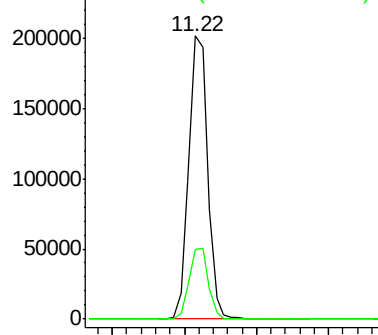
105 100

120 24.6 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.26 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Tgt Ion: 43 Resp: 139577

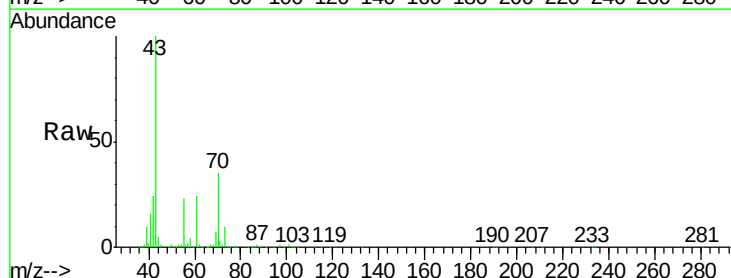
Ion Ratio Lower Upper

43 100

70 34.8 28.8 43.2

55 23.0 17.4 26.0

61 23.8 21.1 31.7

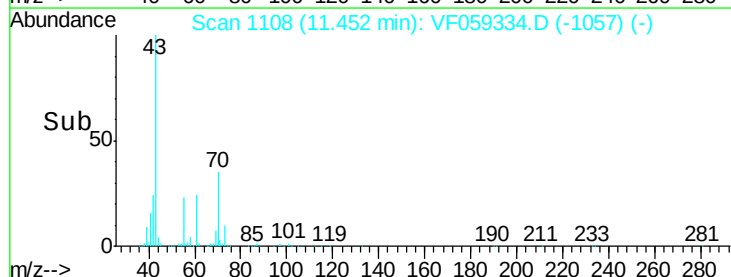
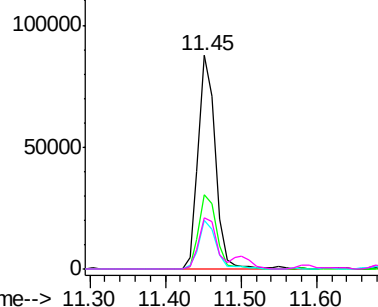


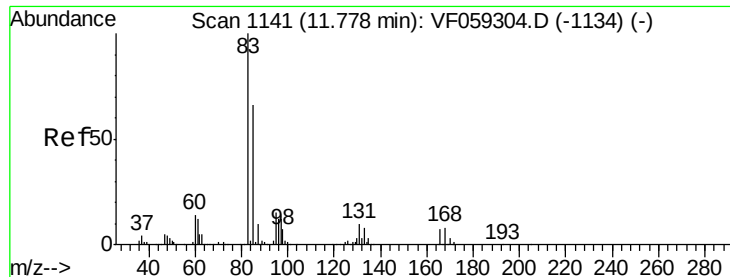
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.53 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

ClientSampleId :

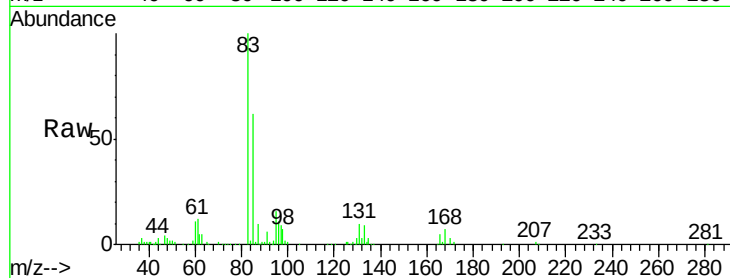
Tot Ion: 83 Resp: 89927

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.6

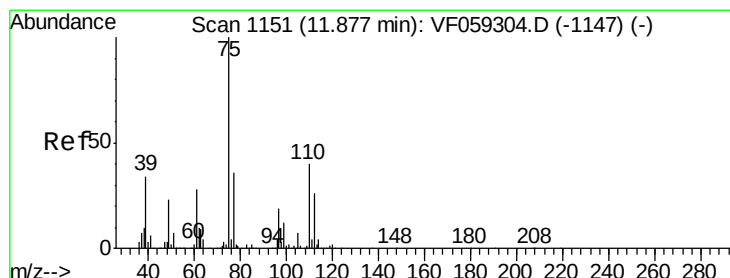
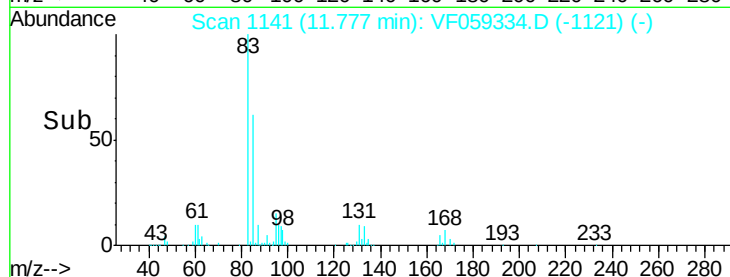
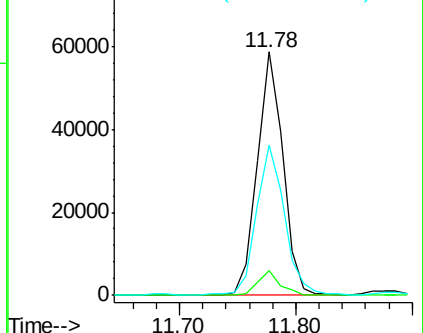
85 61.8 32.8 98.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.90 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059334.D

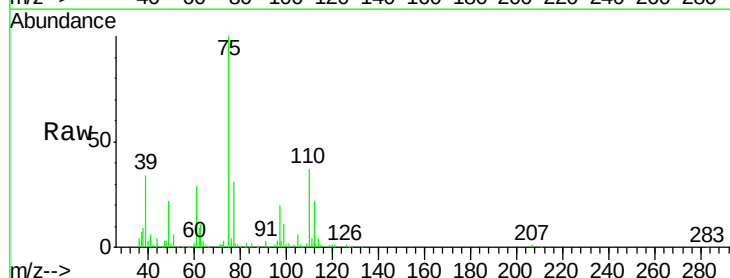
Acq: 27 Jun 2018 13:01

Tgt Ion: 75 Resp: 68999

Ion Ratio Lower Upper

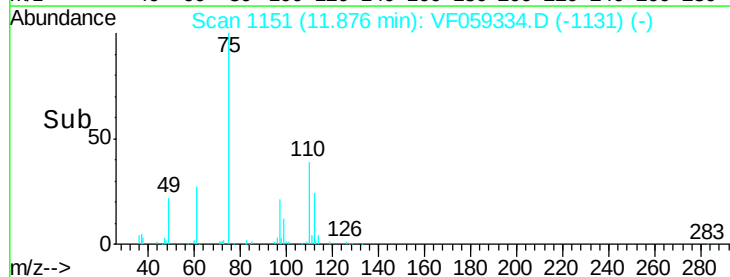
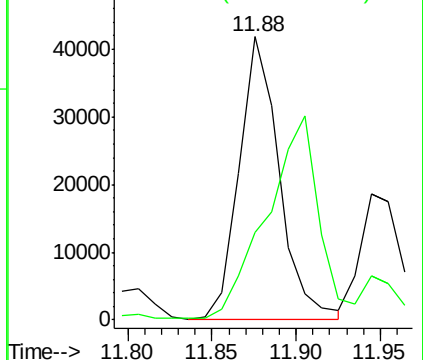
75 100

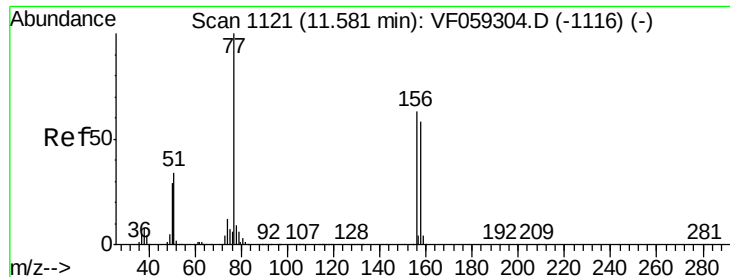
77 30.7 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.41 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

ClientSampleId :

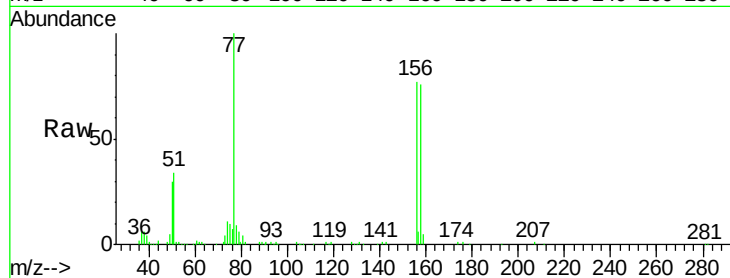
Tot Ion:156 Resp: 93621

Ion Ratio Lower Upper

156 100

77 129.8 79.7 238.9

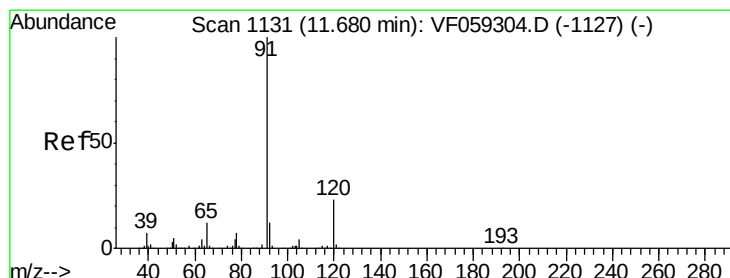
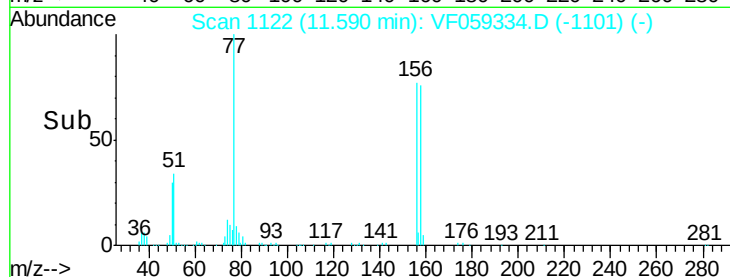
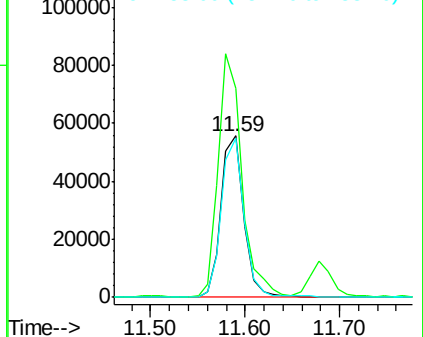
158 98.6 46.2 138.6



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: 15.78 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059334.D

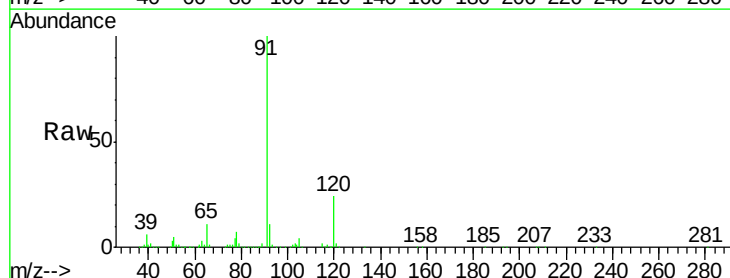
Acq: 27 Jun 2018 13:01

Tgt Ion: 91 Resp: 313418

Ion Ratio Lower Upper

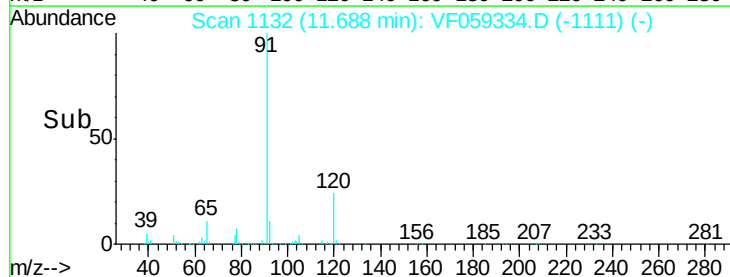
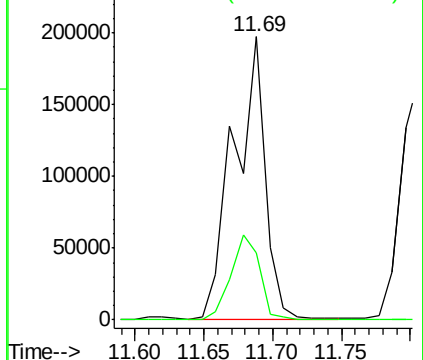
91 100

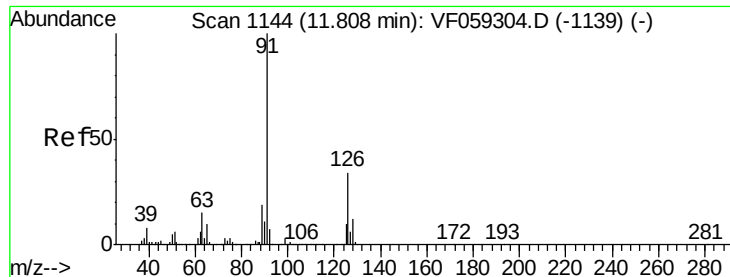
120 23.5 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

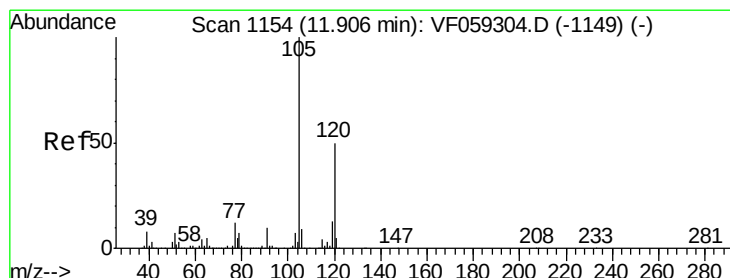
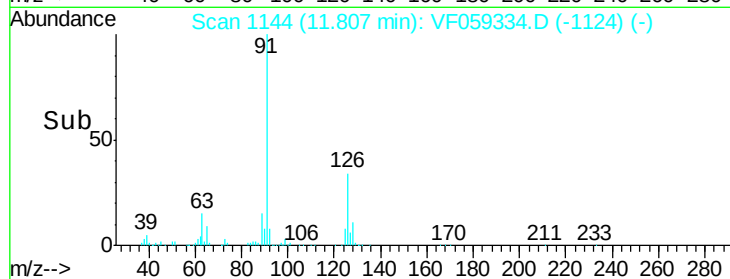
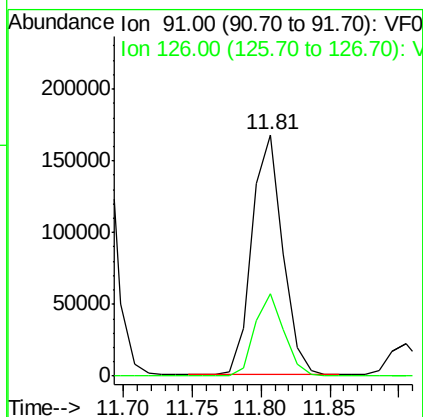
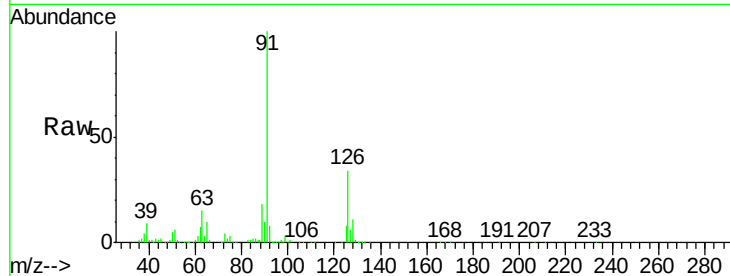




#79
 2-Chlorotoluene
 Concen: 21.60 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VF059334.D
 Acq: 27 Jun 2018 13:01

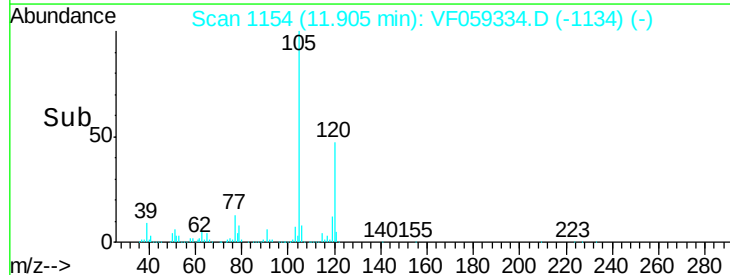
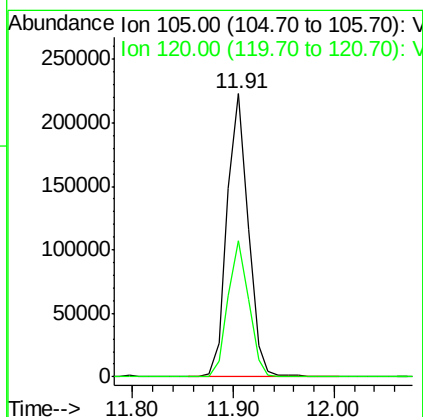
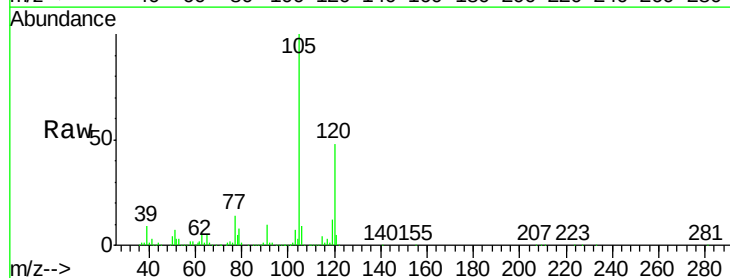
Instrument :
 MSVOA_F
 ClientSampleId :

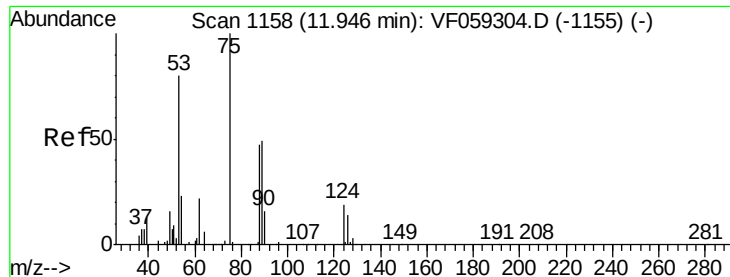
Tot Ion: 91 Resp: 262111
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 22.49 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VF059334.D
 Acq: 27 Jun 2018 13:01

Tgt Ion:105 Resp: 325697
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 21.12 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

ClientSampleId :

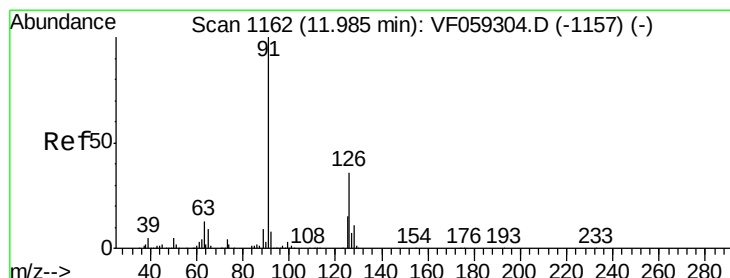
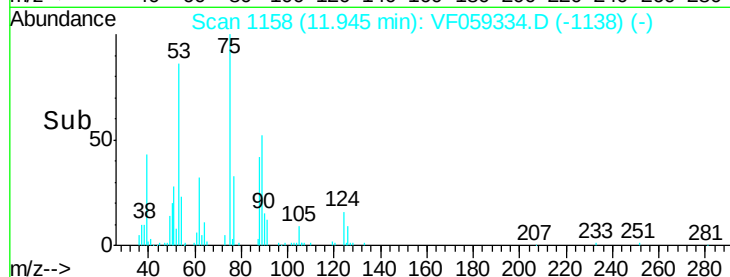
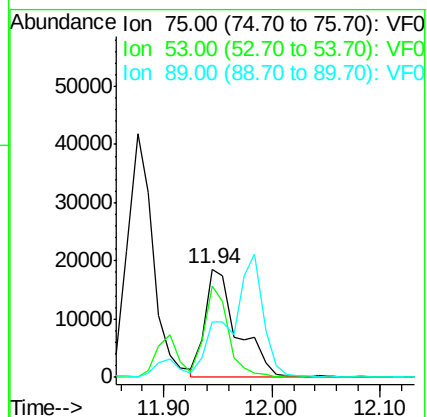
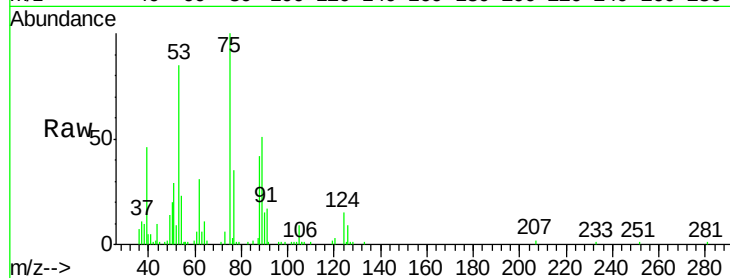
Tot Ion: 75 Resp: 39600

Ion Ratio Lower Upper

75 100

53 84.8 68.8 103.2

89 50.9 42.0 63.0



#82

4-Chlorotoluene

Concen: 21.00 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VF059334.D

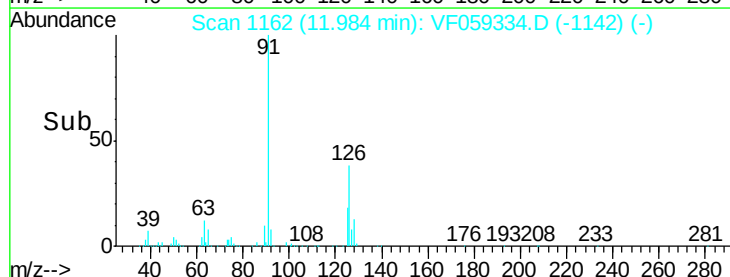
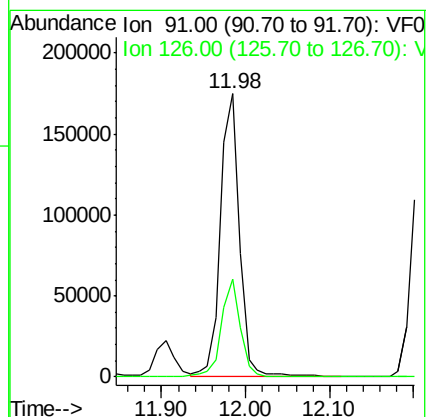
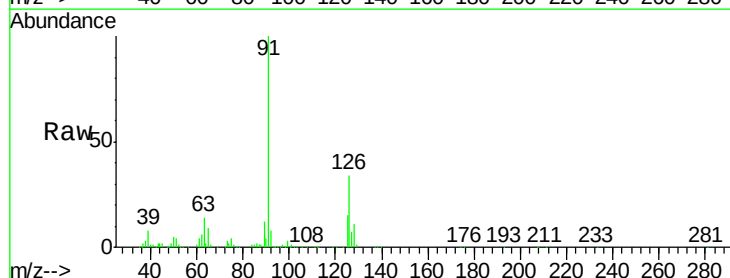
Acq: 27 Jun 2018 13:01

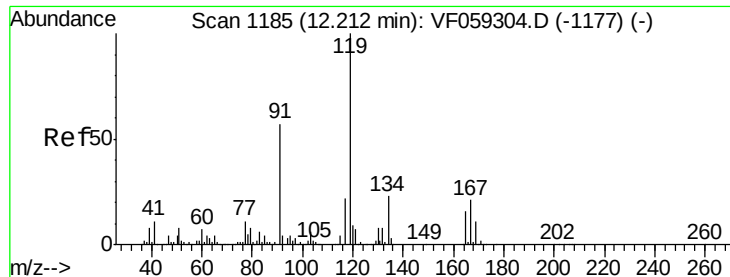
Tgt Ion: 91 Resp: 272958

Ion Ratio Lower Upper

91 100

126 34.5 18.2 54.6





#83

tert-Butylbenzene

Concen: 22.08 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

ClientSampleId :

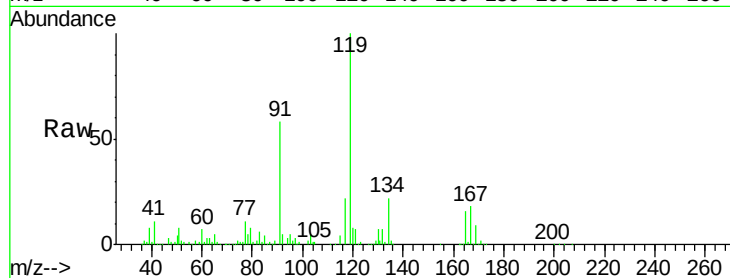
Tot Ion:119 Resp: 319879

Ion Ratio Lower Upper

119 100

91 57.7 28.4 85.2

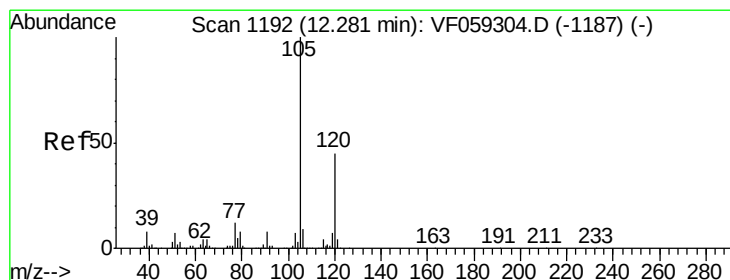
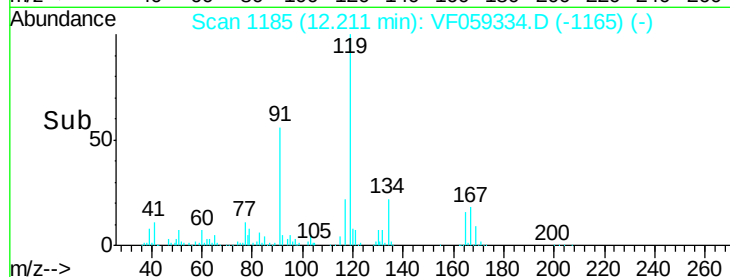
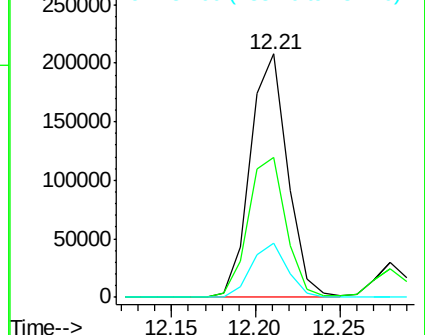
134 22.5 11.7 35.1



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: 21.02 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VF059334.D

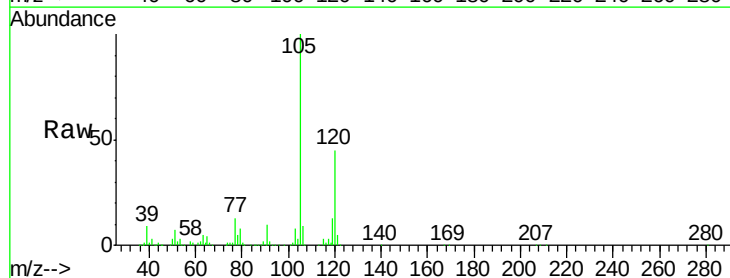
Acq: 27 Jun 2018 13:01

Tgt Ion:105 Resp: 320741

Ion Ratio Lower Upper

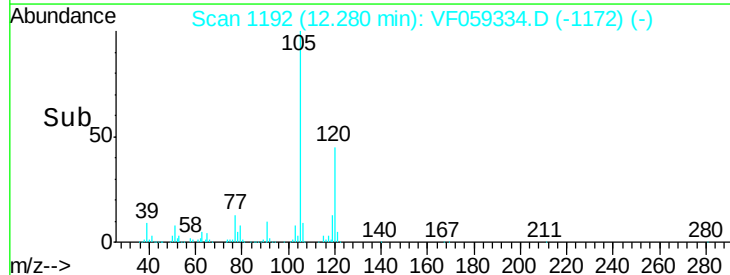
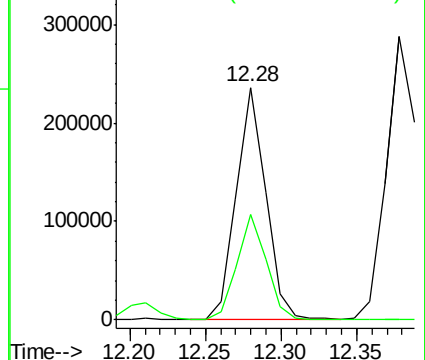
105 100

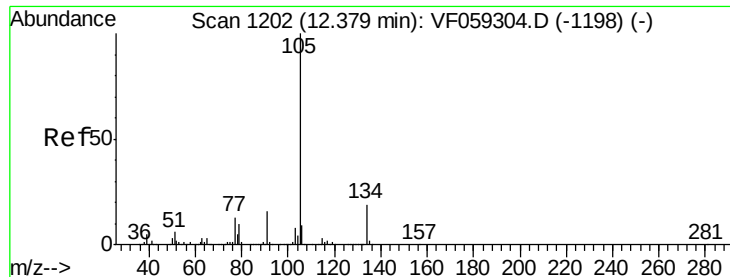
120 45.4 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.88 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

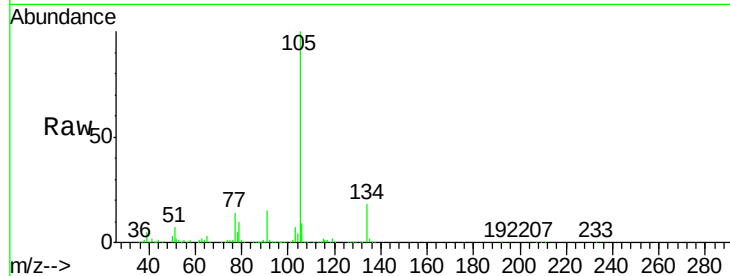
ClientSampleId :

Tot Ion:105 Resp: 420222

Ion Ratio Lower Upper

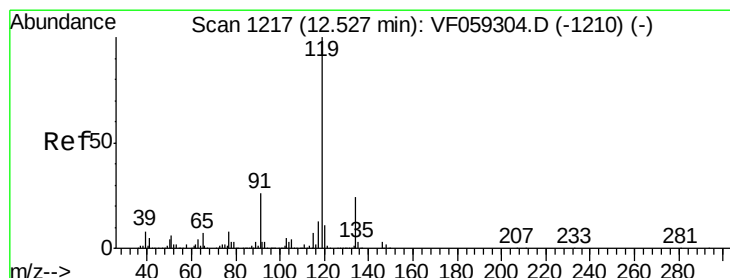
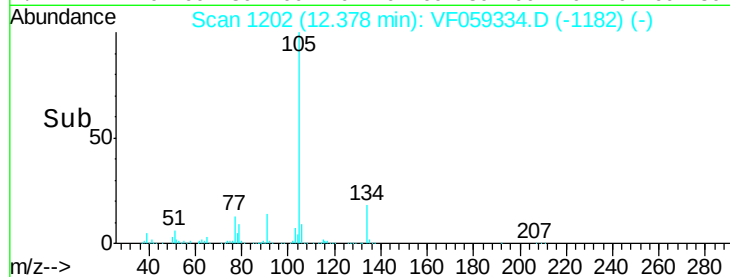
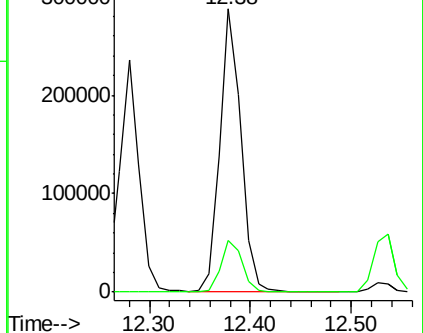
105 100

134 18.3 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.20 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

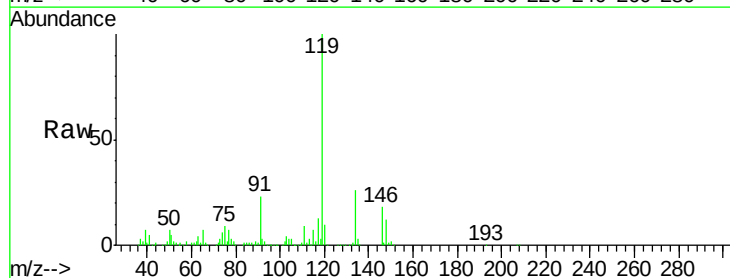
Tgt Ion:119 Resp: 357791

Ion Ratio Lower Upper

119 100

134 25.6 12.2 36.4

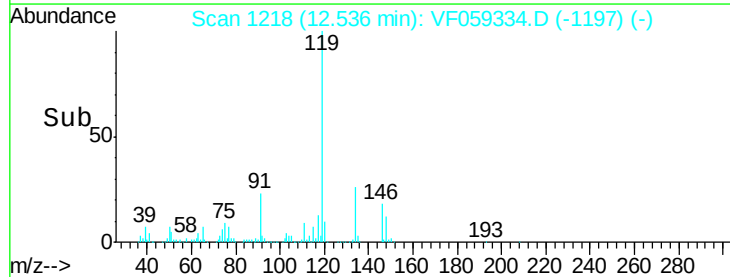
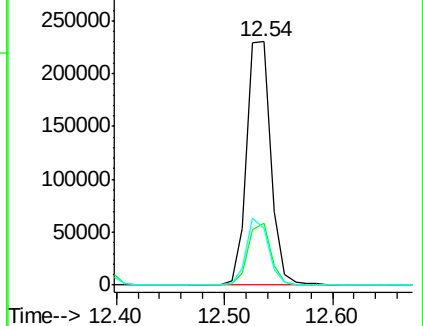
91 23.0 12.9 38.6

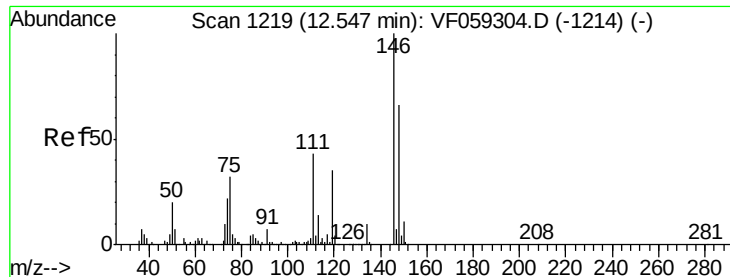


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

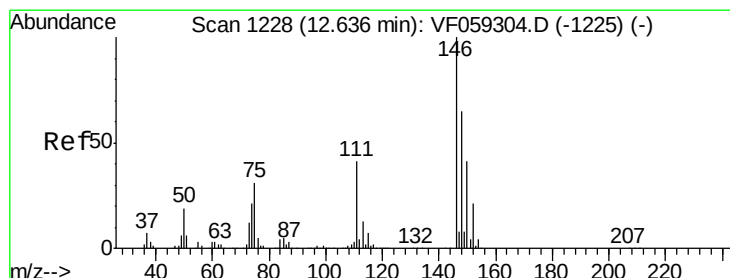
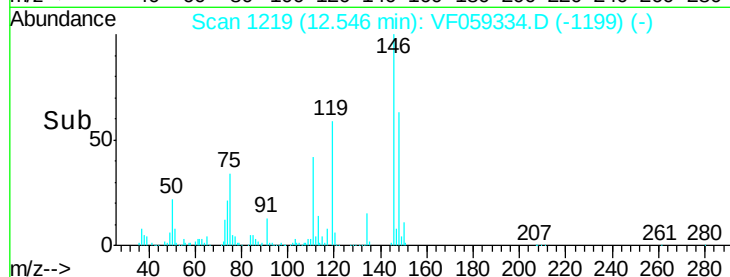
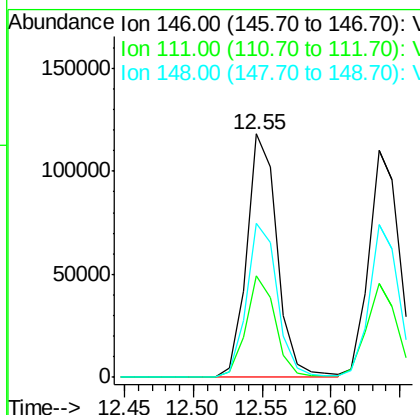
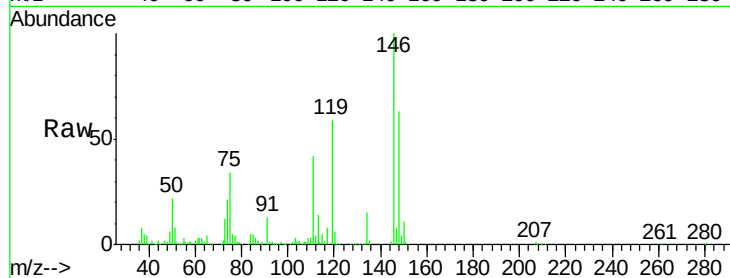




#87
 1,3-Dichlorobenzene
 Concen: 21.47 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059334.D
 Acq: 27 Jun 2018 13:01

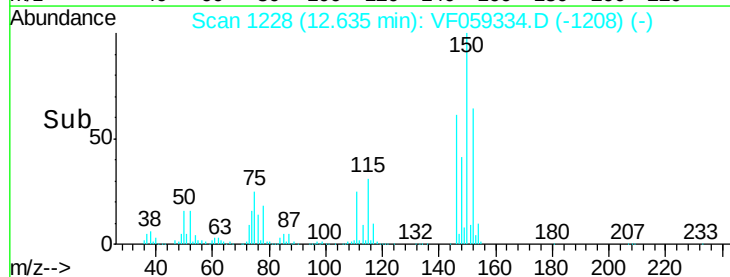
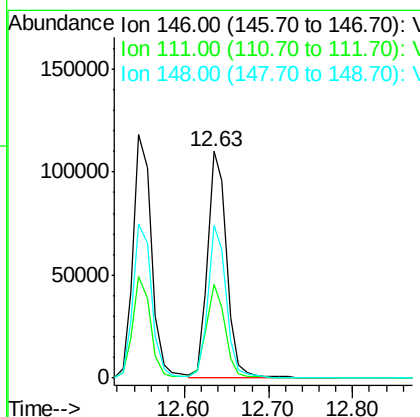
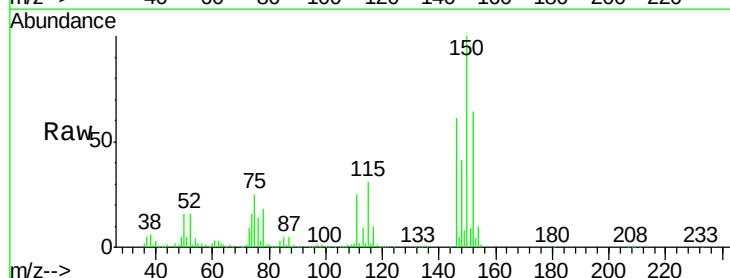
Instrument :
 MSVOA_F
 ClientSampled :

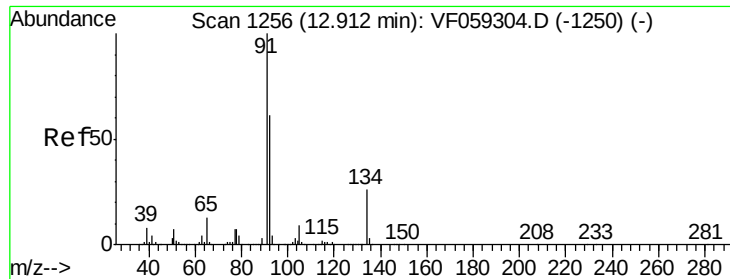
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.4	64.2
148	63.0	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 21.13 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059334.D
 Acq: 27 Jun 2018 13:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	67.5	32.8	98.3





#89

n-Butylbenzene

Concen: 22.31 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

ClientSampled :

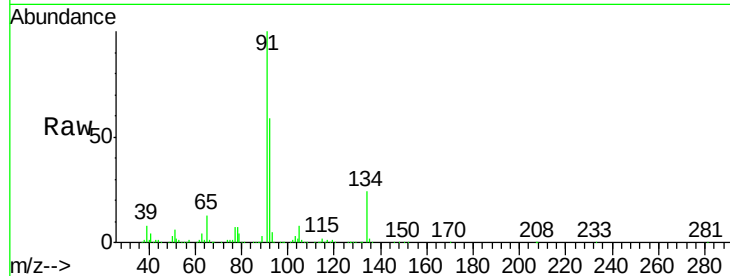
Tot Ion: 91 Resp: 365064

Ion Ratio Lower Upper

91 100

92 58.8 30.3 91.0

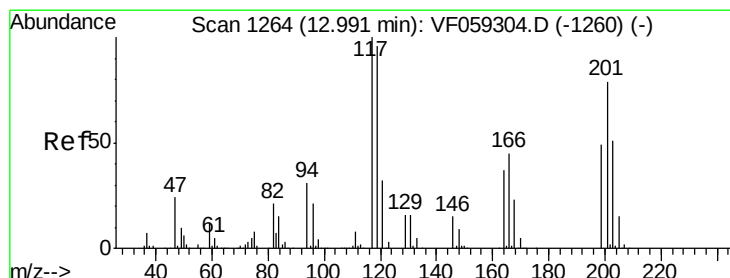
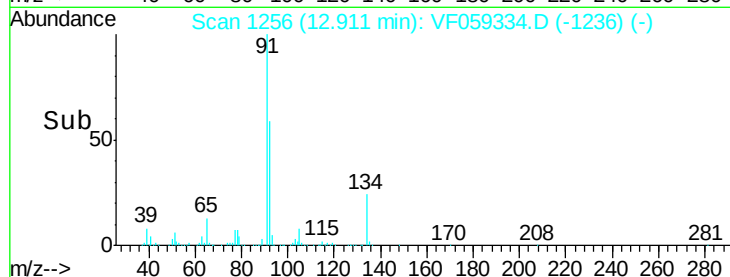
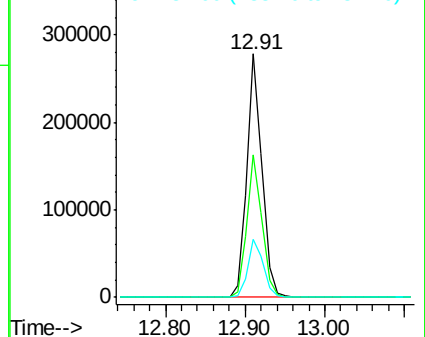
134 24.1 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.28 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF059334.D

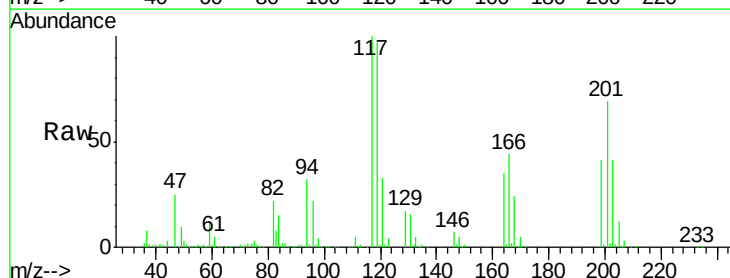
Acq: 27 Jun 2018 13:01

Tgt Ion: 117 Resp: 85464

Ion Ratio Lower Upper

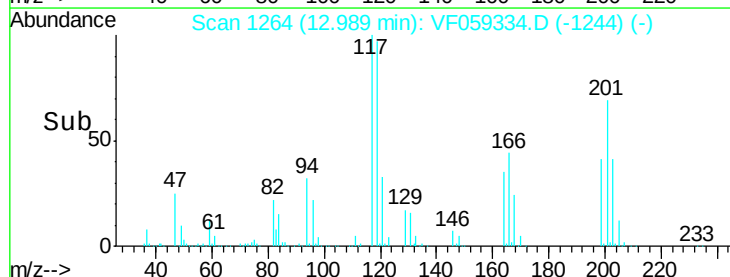
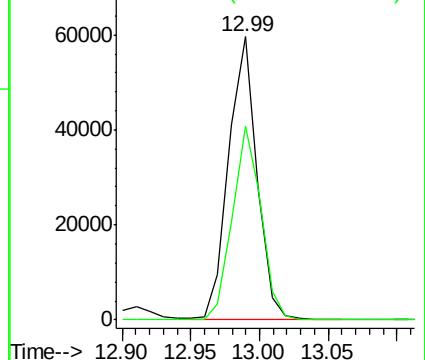
117 100

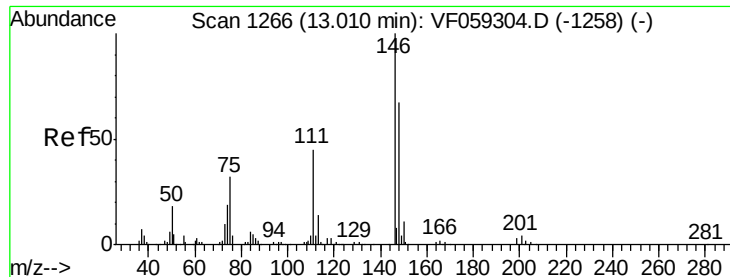
201 68.5 39.5 118.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 20.91 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

Instrument :

MSVOA_F

ClientSampleId :

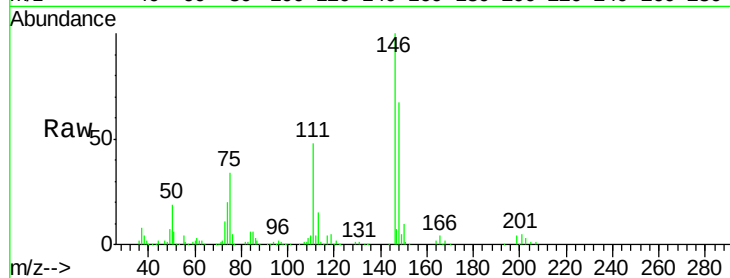
Tot Ion:146 Resp: 174154

Ion Ratio Lower Upper

146 100

111 47.6 22.7 68.0

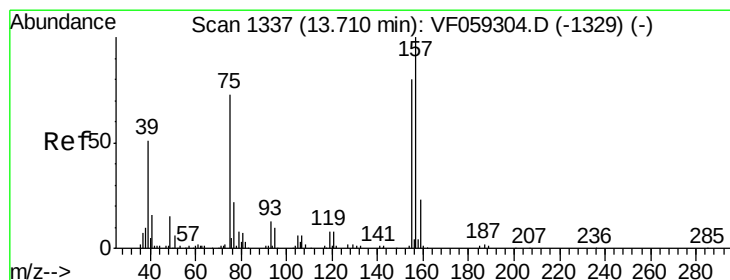
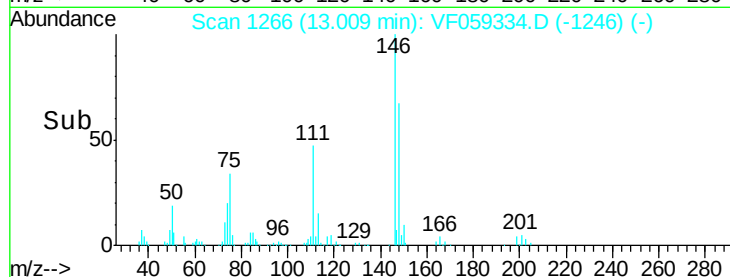
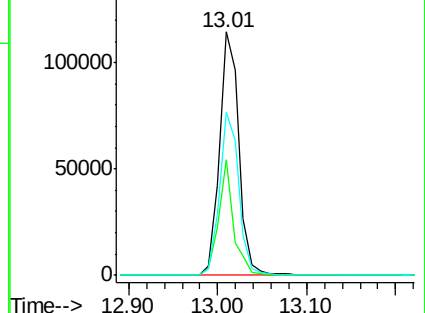
148 66.9 33.5 100.4



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: 20.02 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VF059334.D

Acq: 27 Jun 2018 13:01

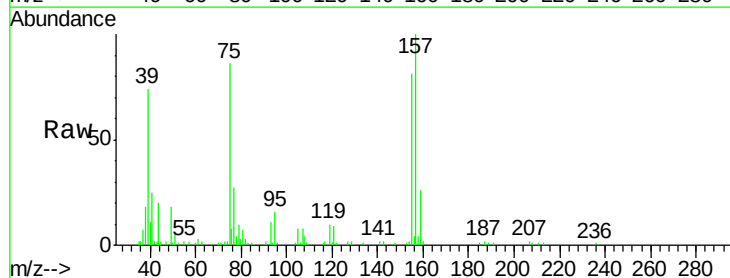
Tgt Ion: 75 Resp: 18536

Ion Ratio Lower Upper

75 100

155 94.1 54.6 163.8

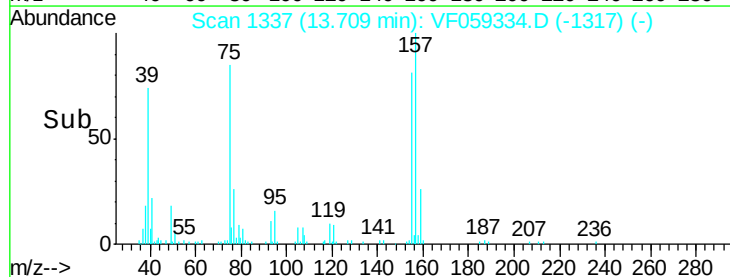
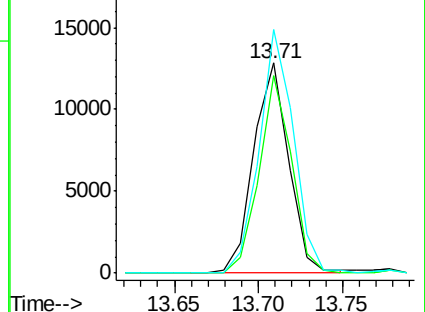
157 115.8 68.7 205.9

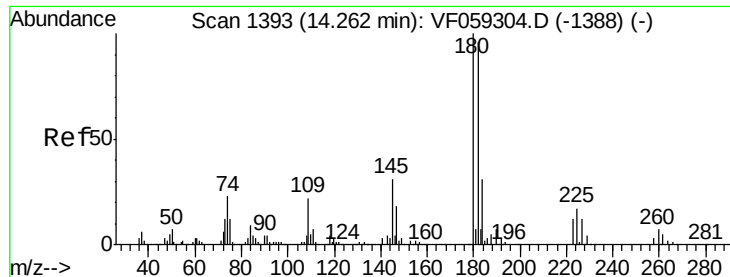


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

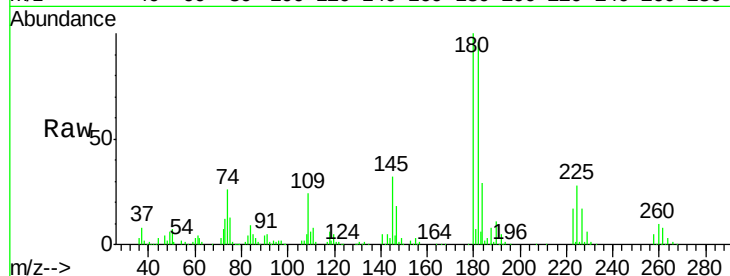




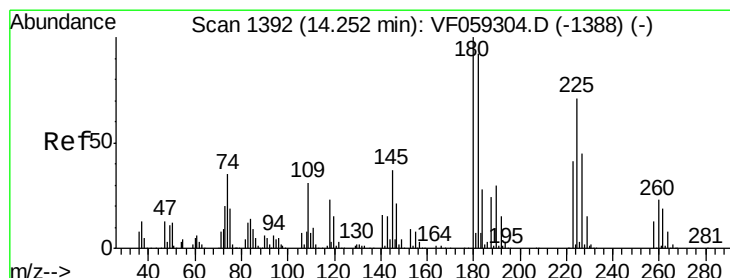
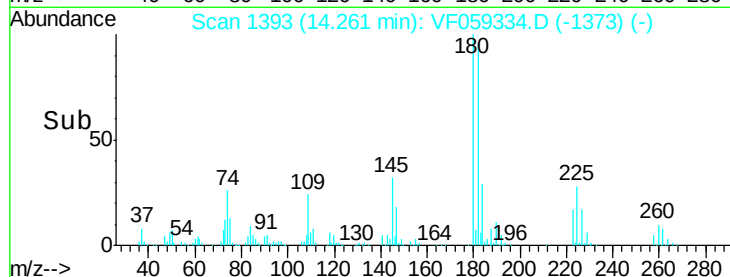
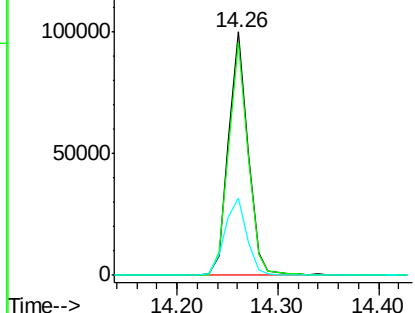
#93
1,2,4-Trichlorobenzene
Concen: 21.88 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:180 Resp: 134772
Ion Ratio Lower Upper
180 100
182 96.1 48.1 144.3
145 31.7 15.3 45.8

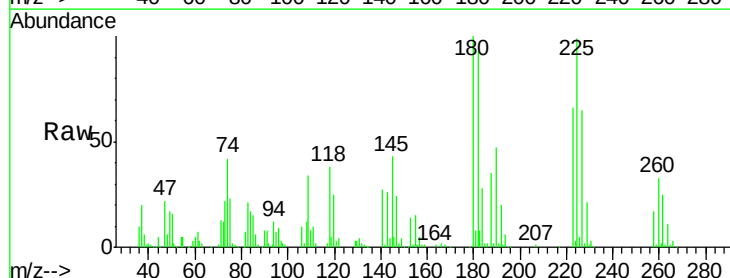


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

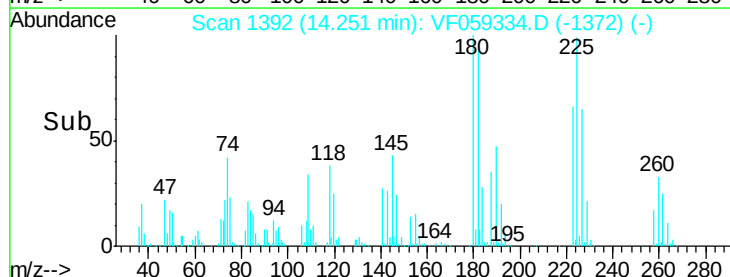
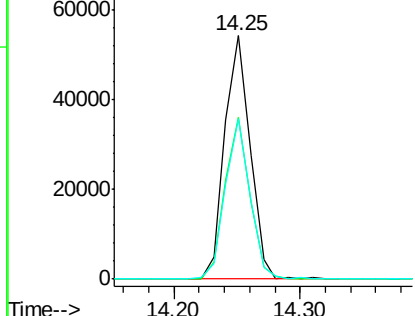


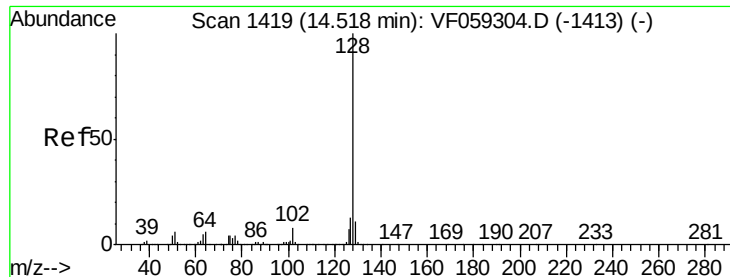
#94
Hexachlorobutadiene
Concen: 21.91 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

Tgt Ion:225 Resp: 75359
Ion Ratio Lower Upper
225 100
223 66.3 28.9 86.8
227 65.7 31.3 93.8



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

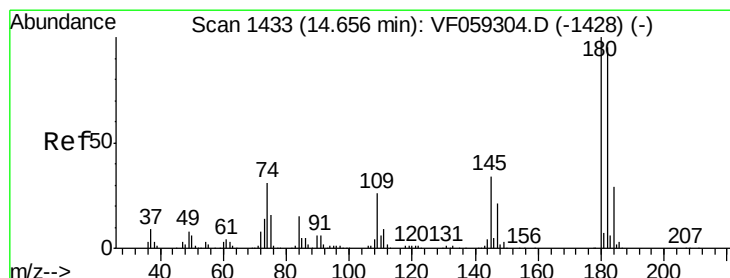
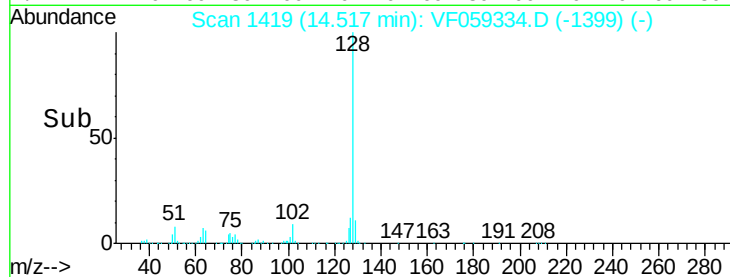
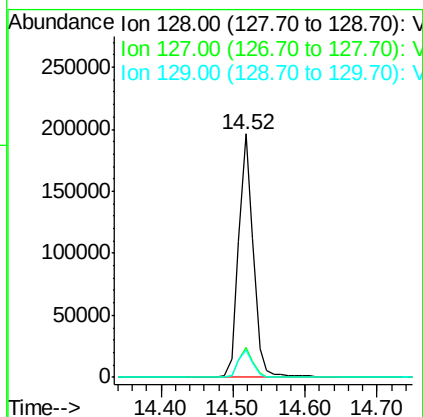
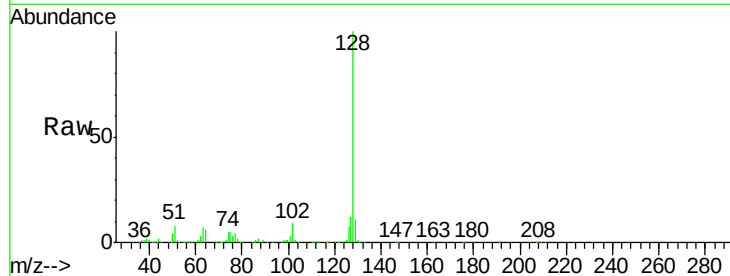




#95
Naphthalene
Concen: 21.73 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:128 Resp: 279995
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.31 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VF059334.D
Acq: 27 Jun 2018 13:01

Tgt Ion:180 Resp: 124334
Ion Ratio Lower Upper
180 100
182 99.8 47.5 142.5
145 31.4 17.0 50.9

