

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062918\
 Data File : VF059378.D
 Acq On : 29 Jun 2018 15:40
 Operator : VA/AP
 Sample : VF0629SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 29 23:39:11 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	5.03	168	307042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	459484	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	448225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	268660	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	172557	43.50	ug/l	0.00
Spiked Amount			Recovery	=	87.00%	
35) Dibromofluoromethane	4.27	113	156629	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	
50) Toluene-d8	7.70	98	373812	44.97	ug/l	0.00
Spiked Amount			Recovery	=	89.94%	
62) 4-Bromofluorobenzene	11.50	95	203875	43.48	ug/l	0.00
Spiked Amount			Recovery	=	86.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	57210	20.394	ug/l	86
3) Chloromethane	1.07	50	38650	20.508	ug/l	94
4) Vinyl Chloride	1.13	62	38616	20.816	ug/l	93
5) Bromomethane	1.33	94	26352	22.777	ug/l	97
6) Chloroethane	1.41	64	21671	23.194	ug/l	95
7) Trichlorofluoromethane	1.48	101	23584	6.429	ug/l	91
8) Diethyl Ether	1.70	74	18189	19.338	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.88	101	44054	20.574	ug/l	91
10) Methyl Iodide	1.95	142	78352	20.066	ug/l	99
11) Tert butyl alcohol	2.67	59	22885	86.655	ug/l	93
12) 1,1-Dichloroethene	1.84	96	38730	21.395	ug/l	95
13) Acrolein	2.08	56	14023	99.738	ug/l	94
14) Allyl chloride	2.18	41	74080	21.801	ug/l	94
15) Acrylonitrile	3.06	53	47224	101.543	ug/l	87
16) Acetone	2.33	43	109209	104.286	ug/l	97
17) Carbon Disulfide	1.86	76	86379	20.286	ug/l #	89
18) Methyl Acetate	2.43	43	38381	20.755	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	139446	20.652	ug/l	94
20) Methylene Chloride	2.27	84	25662	4.865	ug/l #	83
21) trans-1,2-Dichloroethene	2.40	96	39958	20.693	ug/l	95
22) Diisopropyl ether	2.91	45	162493	21.594	ug/l	96
23) Vinyl Acetate	3.32	43	532753	111.171	ug/l	97
24) 1,1-Dichloroethane	2.99	63	95441	20.457	ug/l	99
25) 2-Butanone	4.49	43	142294	117.114	ug/l	98
26) 2,2-Dichloropropane	3.75	77	67224	20.891	ug/l	91
27) cis-1,2-Dichloroethene	3.63	96	58831	20.067	ug/l	74
28) Bromochloromethane	3.86	49	45519	23.125	ug/l	84
29) Tetrahydrofuran	4.24	42	58127	108.925	ug/l	95
30) Chloroform	4.02	83	134921	19.976	ug/l	95
31) Cyclohexane	3.85	56	67675	22.143	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	99846	20.202	ug/l	96
36) 1,1-Dichloropropene	4.44	75	85334	21.259	ug/l	97
37) Ethyl Acetate	4.28	43	61252	23.057	ug/l	95
38) Carbon Tetrachloride	4.15	117	106688	21.061	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	78751	22.140	ug/l	95
40) Benzene	4.79	78	189579	21.301	ug/l	98
41) Methacrylonitrile	4.91	41	29240	21.355	ug/l	94
42) 1,2-Dichloroethane	5.10	62	102678	19.744	ug/l	100
43) Isopropyl Acetate	7.10	43	65950	19.725	ug/l #	87
44) Trichloroethene	5.66	130	64068	20.985	ug/l	92
45) 1,2-Dichloropropane	6.39	63	54409	21.398	ug/l	91
46) Dibromomethane	6.24	93	46703	21.162	ug/l	96
47) Bromodichloromethane	6.53	83	111599	20.889	ug/l	97
48) Methyl methacrylate	6.86	41	45342	20.234	ug/l	95
49) 1,4-Dioxane	6.85	88	5668	450.693	ug/l #	80
51) 4-Methyl-2-Pentanone	8.39	43	260078	104.998	ug/l	99
52) Toluene	7.77	92	136454	20.490	ug/l	94
53) t-1,3-Dichloropropene	8.41	75	102084	20.963	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	111134	21.010	ug/l	92
55) 1,1,2-Trichloroethane	8.63	97	54530	21.089	ug/l	92
56) Ethyl methacrylate	8.74	69	78404	24.478	ug/l #	91
57) 1,3-Dichloropropane	8.99	76	92969	20.965	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.77	63	25353	105.538	ug/l	100
59) 2-Hexanone	9.62	43	220451	108.932	ug/l	98
60) Dibromochloromethane	8.85	129	81960	20.532	ug/l	93
61) 1,2-Dibromoethane	9.12	107	65450	20.872	ug/l	89
64) Tetrachloroethene	8.29	164	62724	21.576	ug/l	95
65) Chlorobenzene	9.93	112	169257	20.379	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.05	131	74667	20.786	ug/l	98
67) Ethyl Benzene	10.02	91	280784	19.928	ug/l	94
68) m/p-Xylenes	10.25	106	215751	43.021	ug/l	93
69) o-Xylene	10.82	106	118770	21.173	ug/l	99
70) Styrene	10.89	104	177125	20.729	ug/l	98
71) Bromoform	10.88	173	48604	19.740	ug/l	96
73) Isopropylbenzene	11.22	105	360391	23.026	ug/l	100
74) N-amyl acetate	11.45	43	126054	22.194	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	83055	21.012	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	62523	20.969	ug/l	98
77) Bromobenzene	11.58	156	91875	21.158	ug/l	94
78) n-propylbenzene	11.68	91	401669	21.369	ug/l	97
79) 2-Chlorotoluene	11.80	91	250267	21.793	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	300774	21.938	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	36190	20.392	ug/l	98
82) 4-Chlorotoluene	11.98	91	264119	21.472	ug/l	94
83) tert-Butylbenzene	12.20	119	320334	23.361	ug/l	93
84) 1,2,4-Trimethylbenzene	12.28	105	318569	22.063	ug/l	98
85) sec-Butylbenzene	12.38	105	417214	22.954	ug/l	100
86) p-Isopropyltoluene	12.53	119	348871	22.871	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	169456	20.965	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	165097	21.289	ug/l	99
89) n-Butylbenzene	12.91	91	354546	22.896	ug/l	100
90) Hexachloroethane	12.99	117	83260	21.900	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	162848	20.658	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17859	20.381	ug/l	96

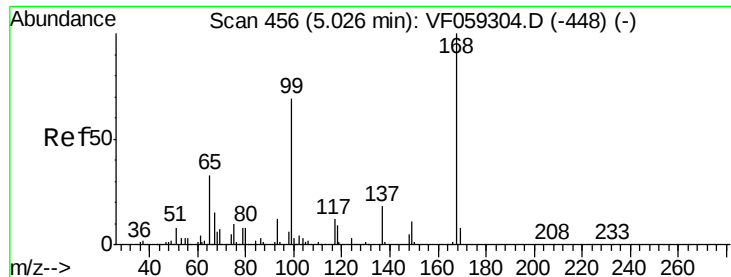
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062918\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	133198	22.851	ug/l	97
94) Hexachlorobutadiene	14.25	225	74698	22.943	ug/l	88
95) Naphthalene	14.52	128	269342	22.085	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	125534	22.734	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

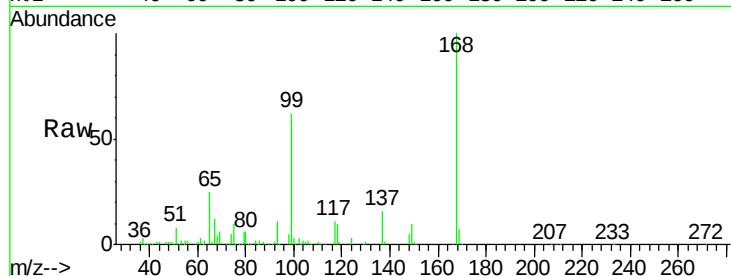
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 307042

Ion Ratio Lower Upper

168 100

99 62.1 54.9 82.3

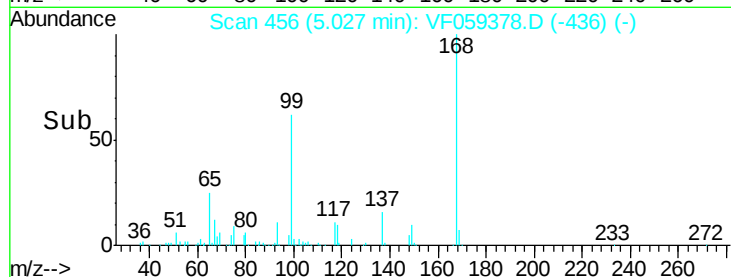


Abundance Ion 168.00 (167.70 to 168.70): VF0

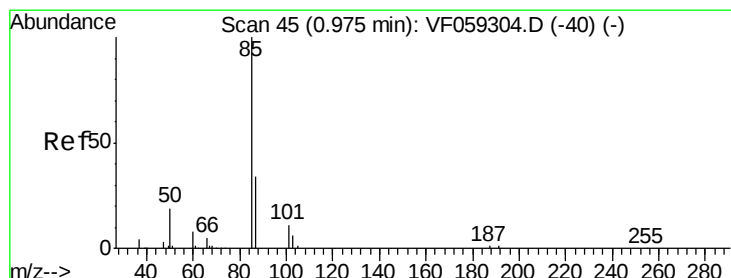
Ion 99.00 (98.70 to 99.70): VF0

5.03

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 20.394 ug/l

RT: 0.98 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059378.D

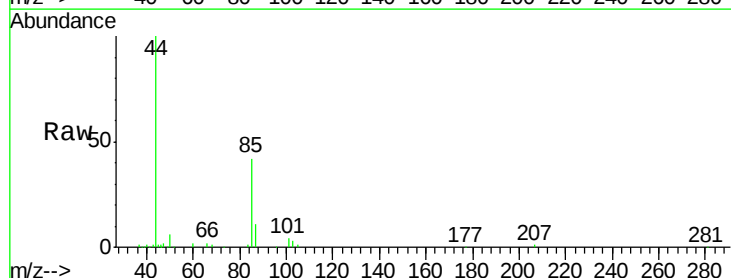
Acq: 29 Jun 2018 15:40

Tgt Ion: 85 Resp: 57210

Ion Ratio Lower Upper

85 100

87 26.3 17.1 51.3

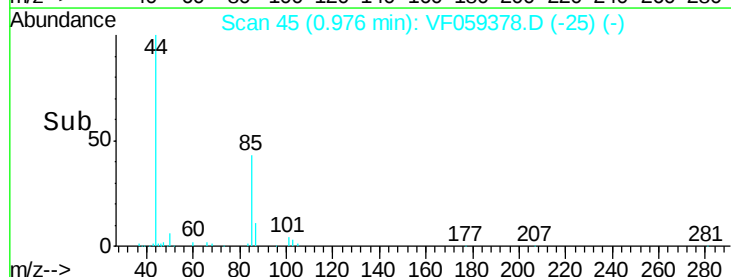


Abundance Ion 85.00 (84.70 to 85.70): VF0

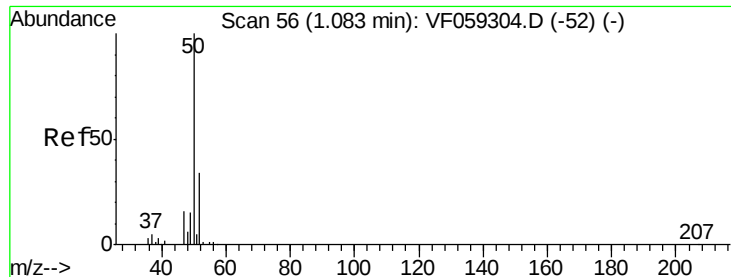
Ion 87.00 (86.70 to 87.70): VF0

0.98

Time-->



Time-->



#3

Chloromethane

Concen: 20.508 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

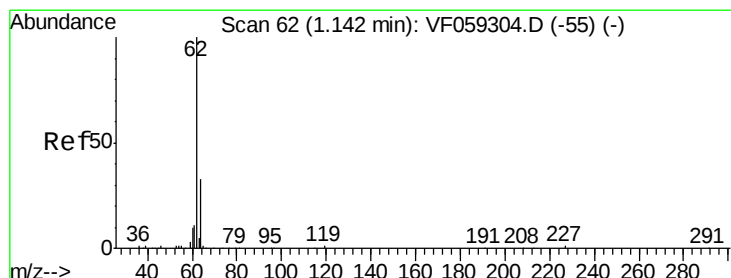
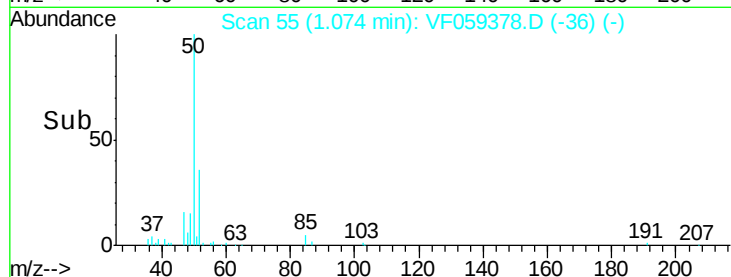
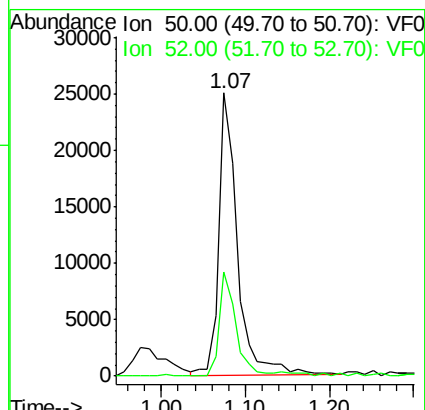
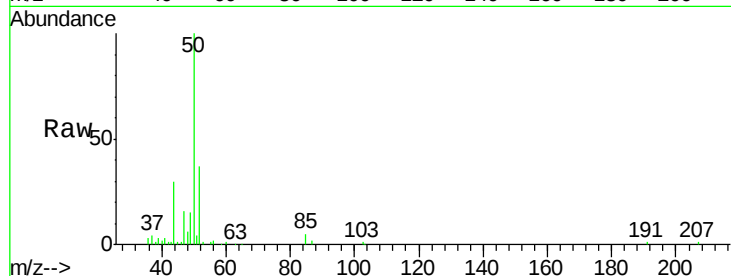
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 38650

Ion Ratio Lower Upper

50 100

52 36.7 26.7 40.1



#4

Vinyl Chloride

Concen: 20.816 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059378.D

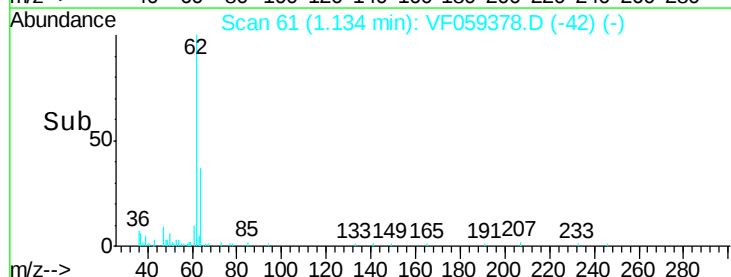
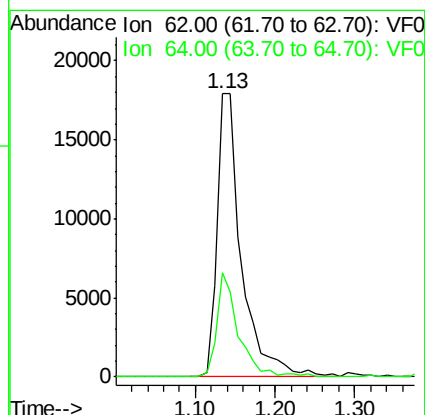
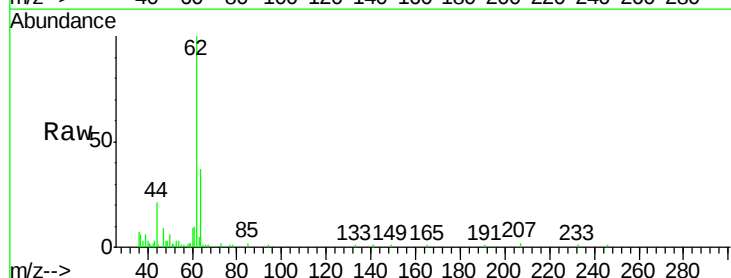
Acq: 29 Jun 2018 15:40

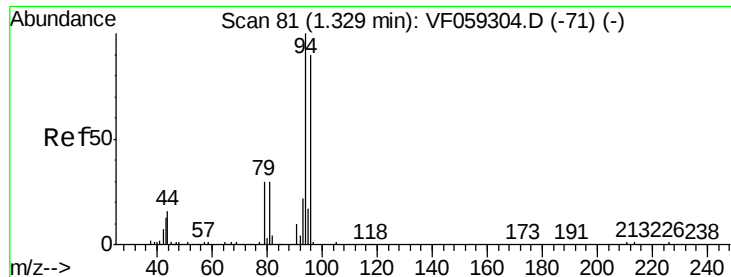
Tgt Ion: 62 Resp: 38616

Ion Ratio Lower Upper

62 100

64 36.8 26.3 39.5





#5

Bromomethane

Concen: 22.777 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

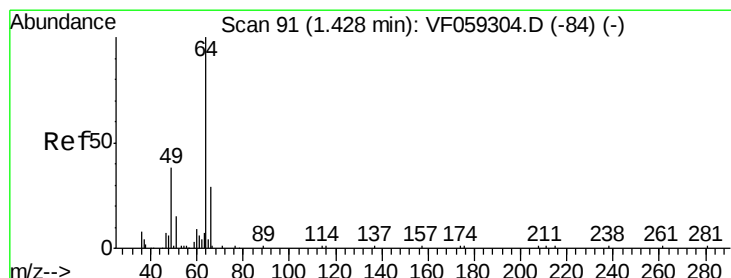
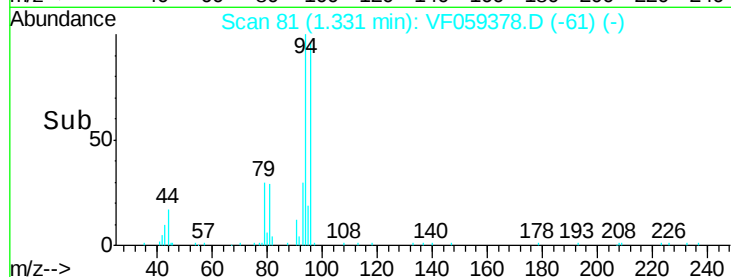
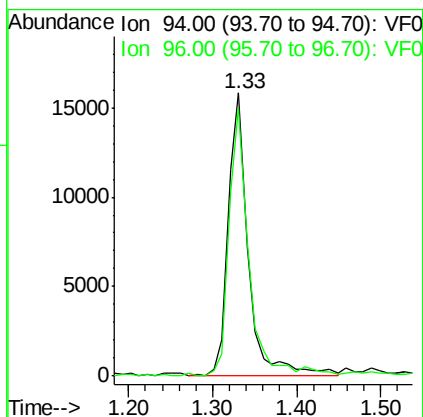
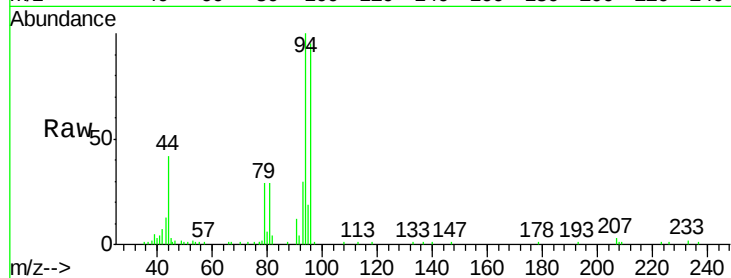
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 26352

Ion Ratio Lower Upper

94 100

96 94.8 73.4 110.0



#6

Chloroethane

Concen: 23.194 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.02 min

Lab File: VF059378.D

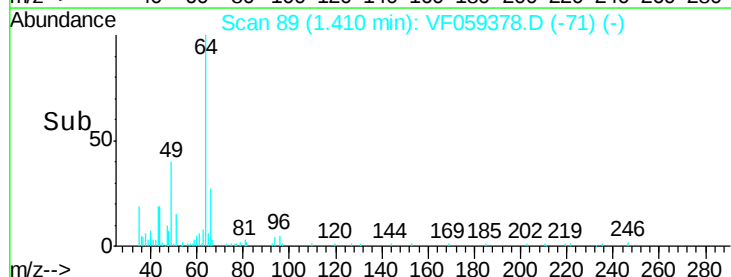
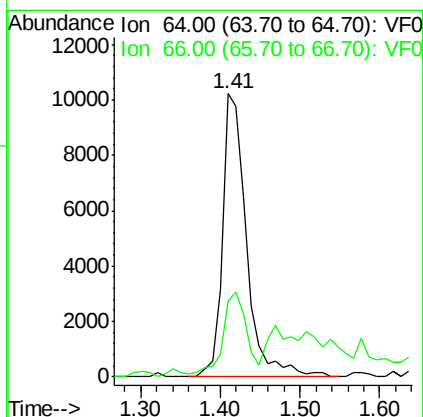
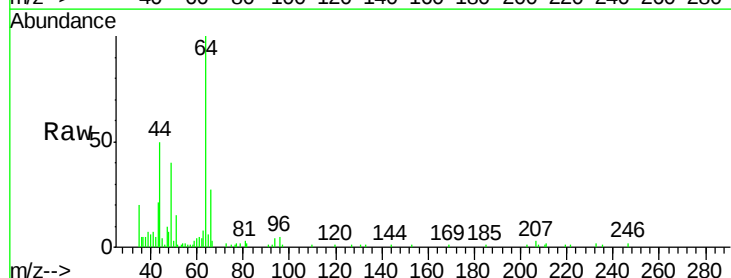
Acq: 29 Jun 2018 15:40

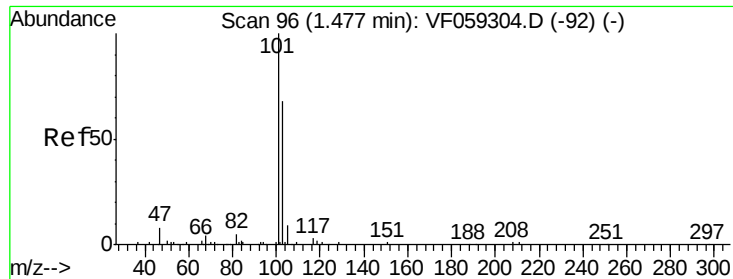
Tgt Ion: 64 Resp: 21671

Ion Ratio Lower Upper

64 100

66 27.1 23.9 35.9





#7

Trichlorofluoromethane

Concen: 6.429 ug/l

RT: 1.48 min Scan# 96

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

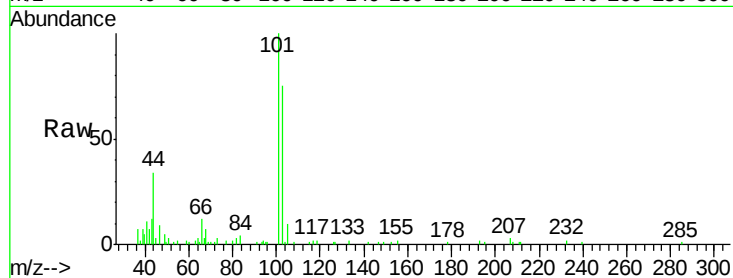
ClientSampleId :

Tot Ion:101 Resp: 23584

Ion Ratio Lower Upper

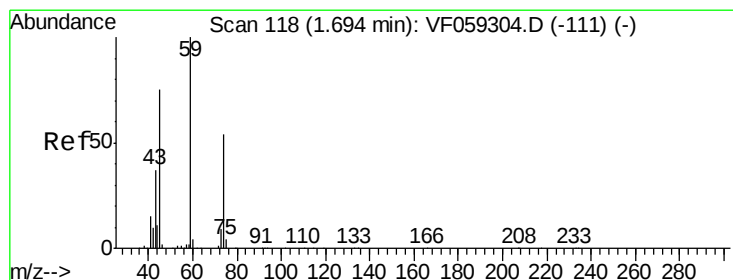
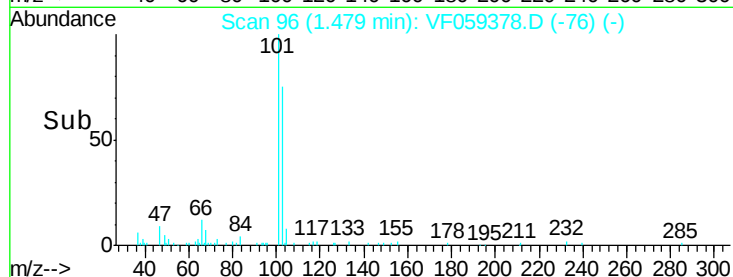
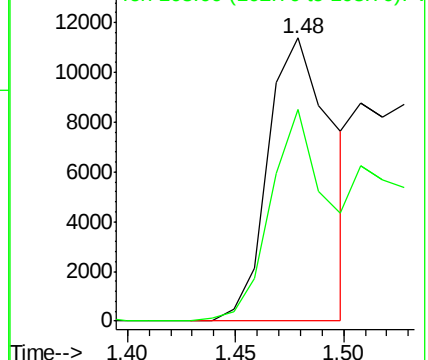
101 100

103 74.7 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 19.338 ug/l

RT: 1.70 min Scan# 118

Delta R.T. 0.00 min

Lab File: VF059378.D

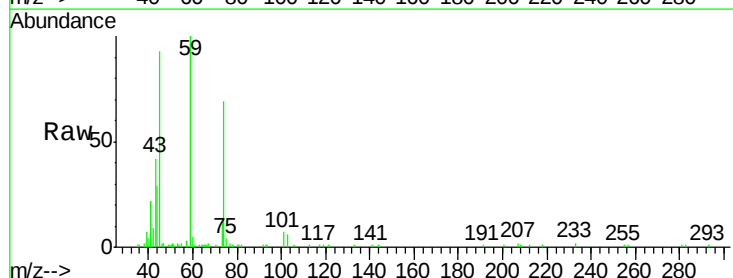
Acq: 29 Jun 2018 15:40

Tgt Ion: 74 Resp: 18189

Ion Ratio Lower Upper

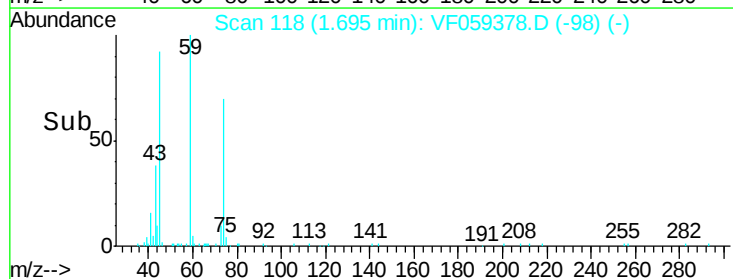
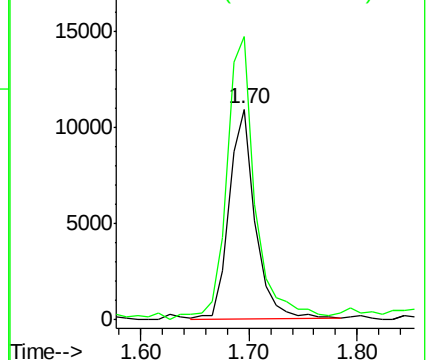
74 100

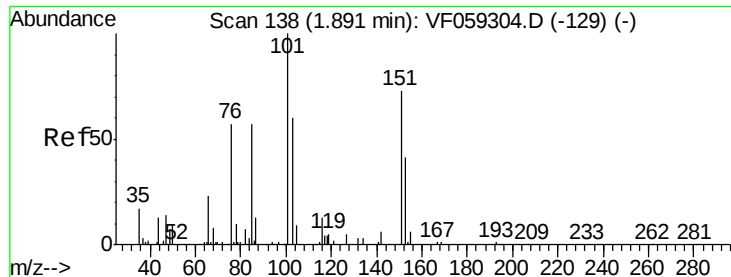
45 134.3 70.0 210.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.574 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

ClientSampleId :

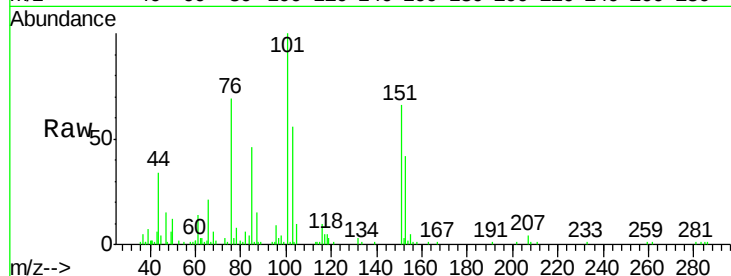
Tot Ion:101 Resp: 44054

Ion Ratio Lower Upper

101 100

85 46.0 44.5 66.7

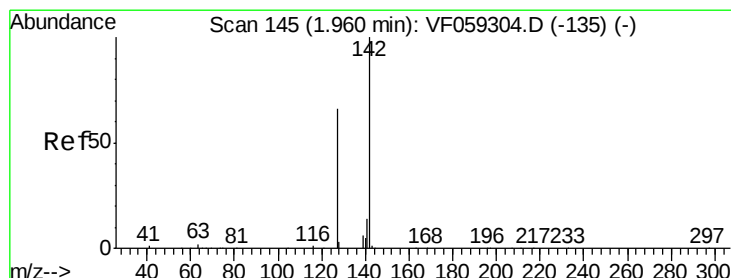
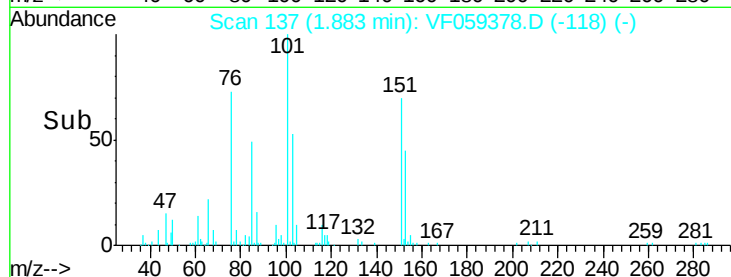
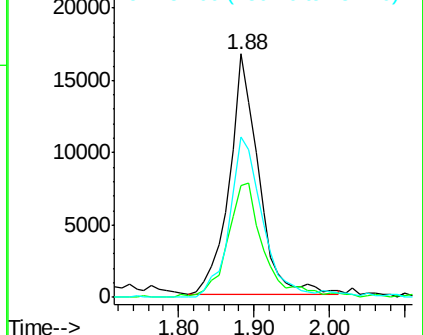
151 65.6 56.8 85.2



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: 20.066 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

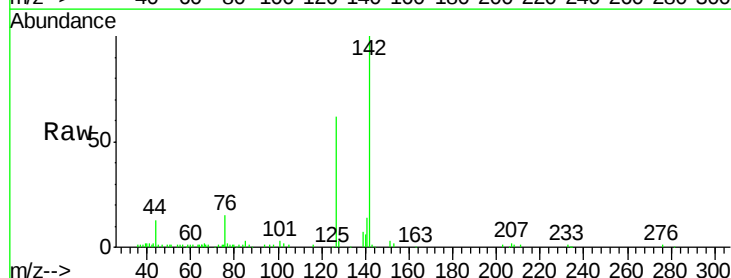
Tgt Ion:142 Resp: 78352

Ion Ratio Lower Upper

142 100

127 65.0 52.5 78.7

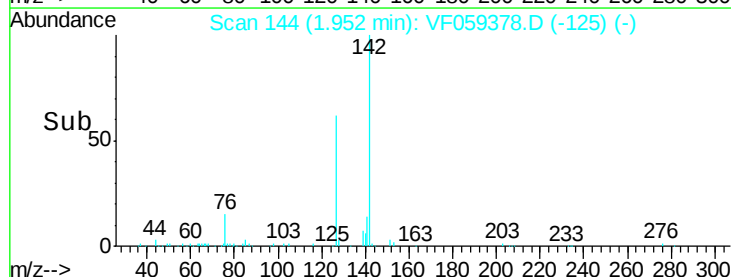
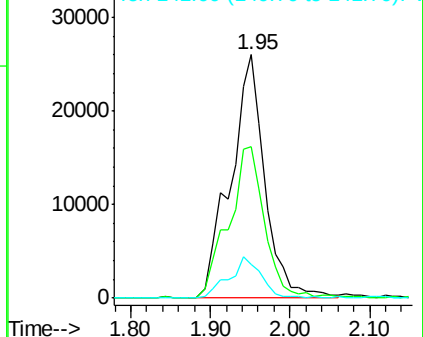
141 13.9 11.5 17.3

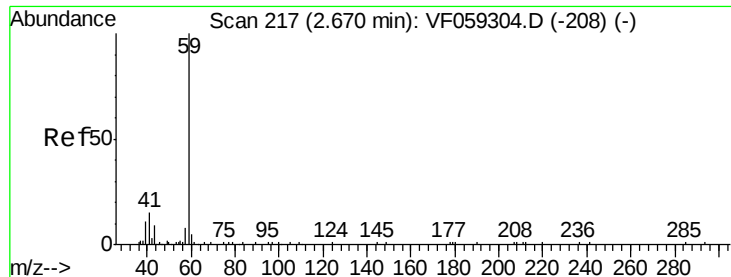


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



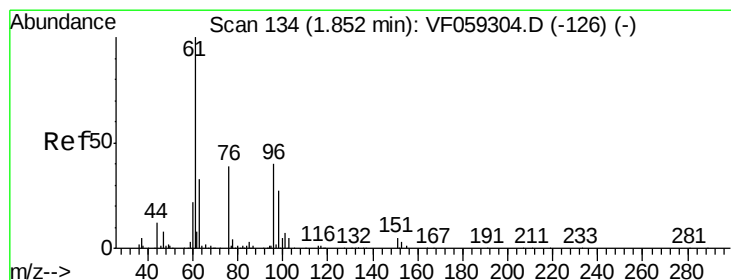
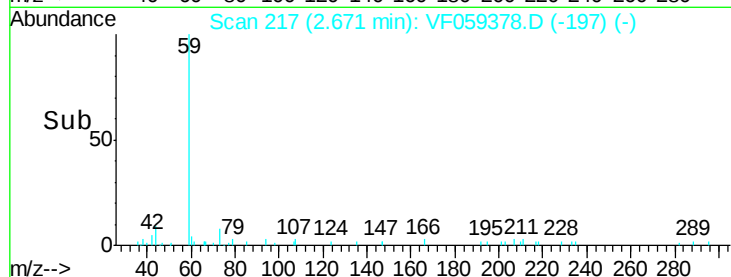
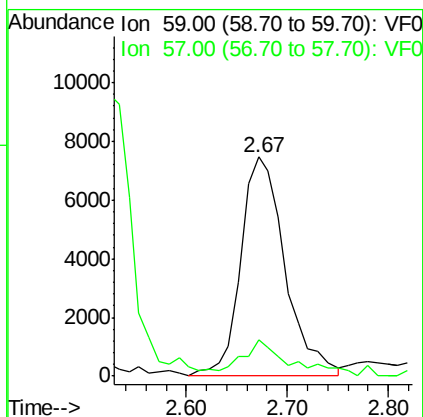
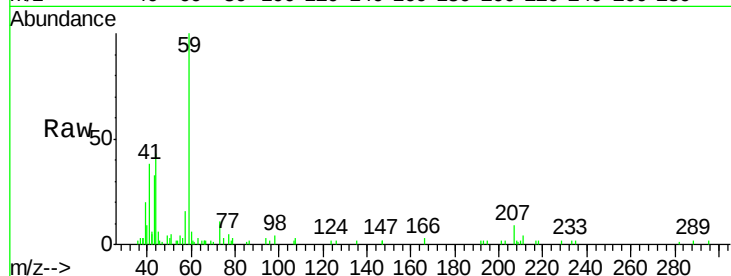


#11

Tert butyl alcohol
 Concen: 86.655 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. 0.00 min
 Lab File: VF059378.D
 Acq: 29 Jun 2018 15:40

Instrument :
 MSVOA_F
 ClientSampleId :

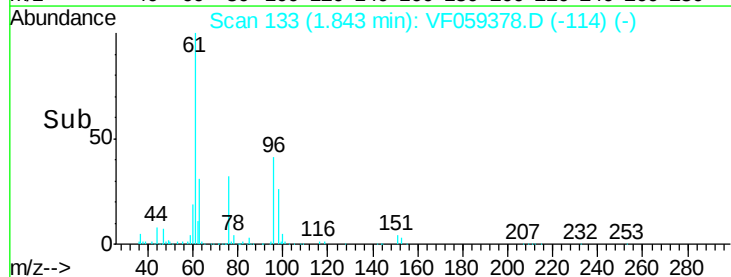
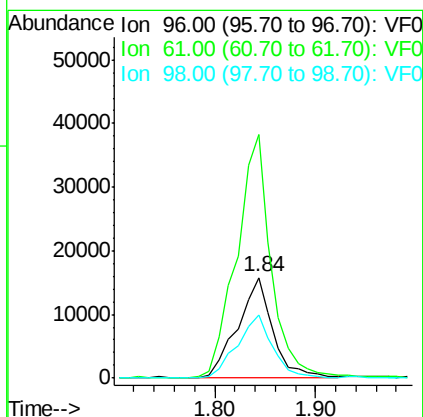
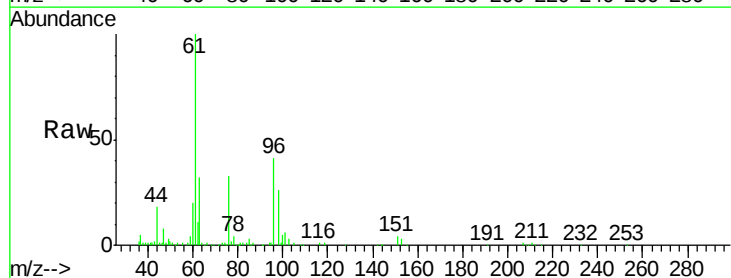
Tot Ion: 59 Resp: 22885
 Ion Ratio Lower Upper
 59 100
 57 16.4 11.0 16.4

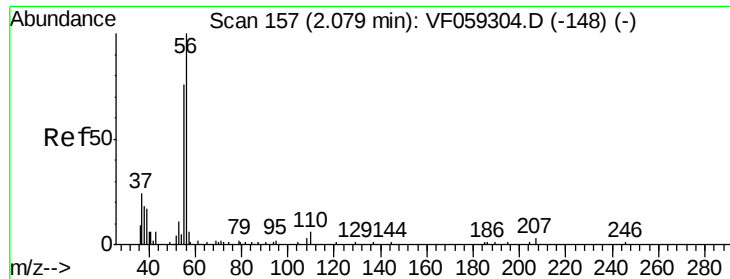


#12

1,1-Dichloroethene
 Concen: 21.395 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VF059378.D
 Acq: 29 Jun 2018 15:40

Tgt Ion: 96 Resp: 38730
 Ion Ratio Lower Upper
 96 100
 61 242.1 201.1 301.7
 98 62.9 53.9 80.9





#13

Acrolein

Concen: 99.738 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

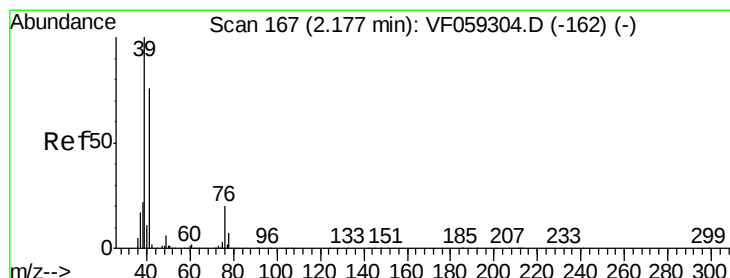
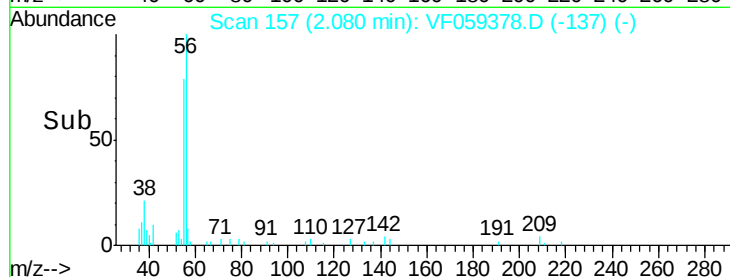
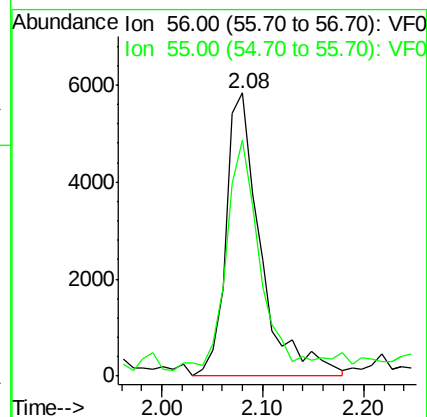
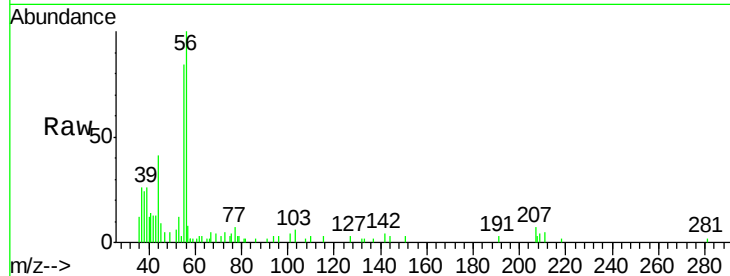
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 14023

Ion Ratio Lower Upper

56 100

55 83.5 62.4 93.6



#14

Allyl chloride

Concen: 21.801 ug/l

RT: 2.18 min Scan# 167

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

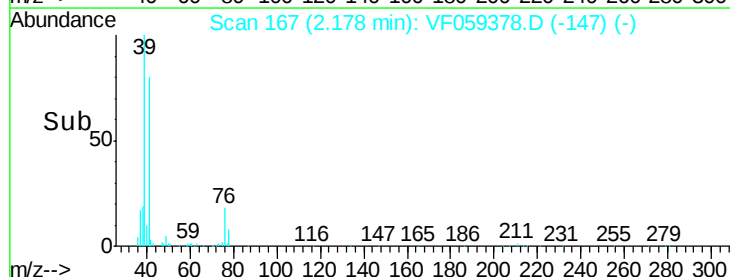
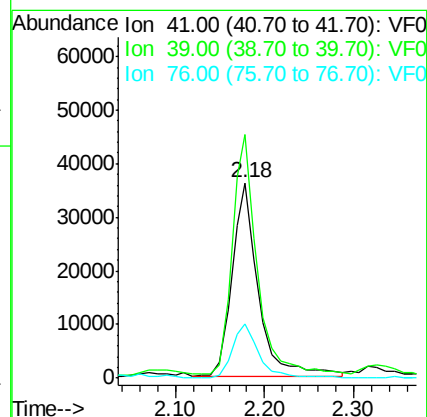
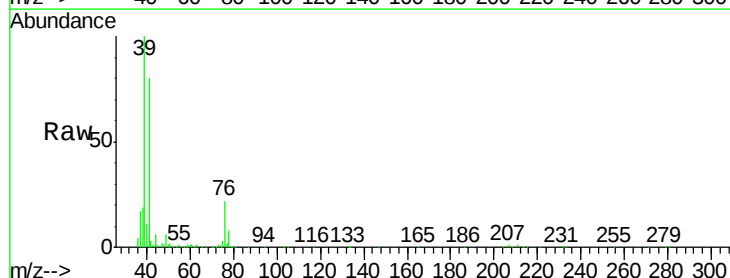
Tgt Ion: 41 Resp: 74080

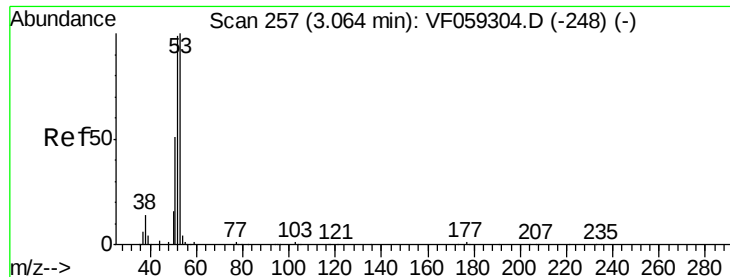
Ion Ratio Lower Upper

41 100

39 124.6 105.6 158.4

76 27.9 21.6 32.4





#15

Acrylonitrile

Concen: 101.543 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

ClientSampleId :

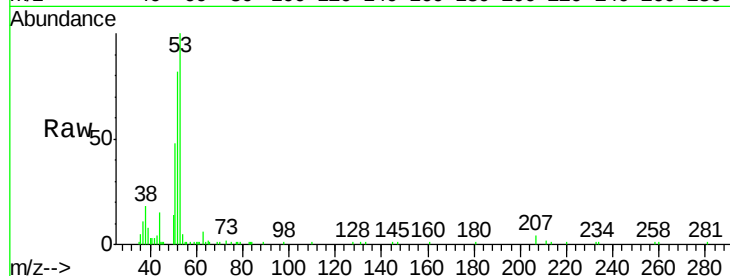
Tot Ion: 53 Resp: 47224

Ion Ratio Lower Upper

53 100

52 82.0 79.2 118.8

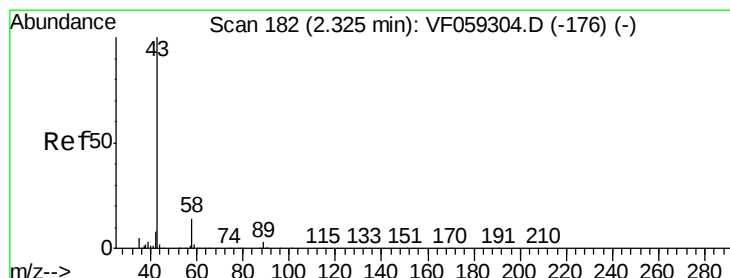
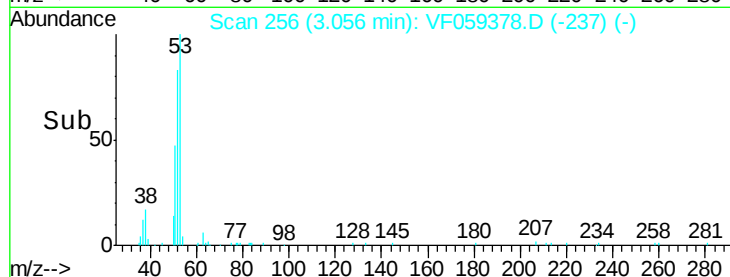
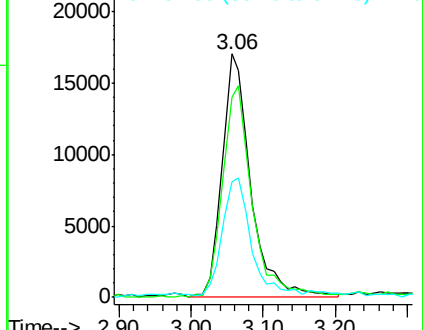
51 47.6 40.9 61.3



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: 104.286 ug/l

RT: 2.33 min Scan# 182

Delta R.T. 0.00 min

Lab File: VF059378.D

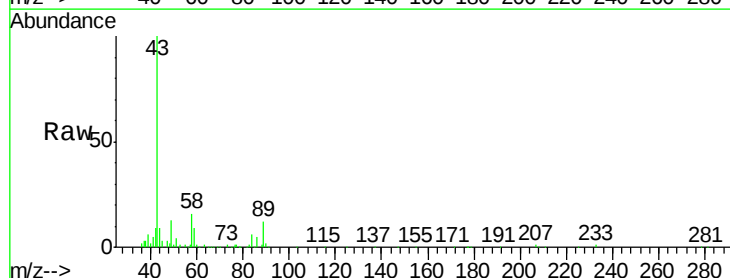
Acq: 29 Jun 2018 15:40

Tgt Ion: 43 Resp: 109209

Ion Ratio Lower Upper

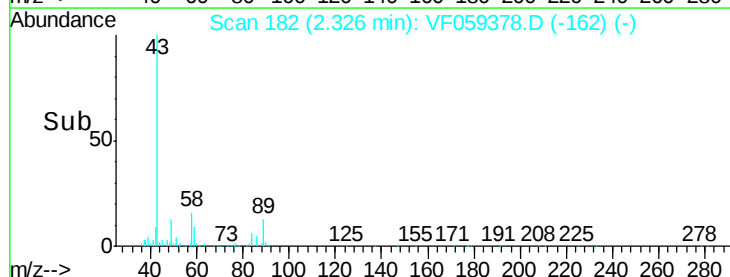
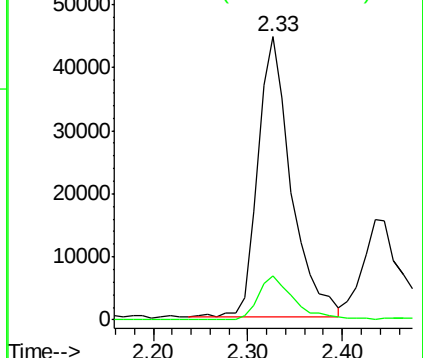
43 100

58 15.5 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: 20.286 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.03 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

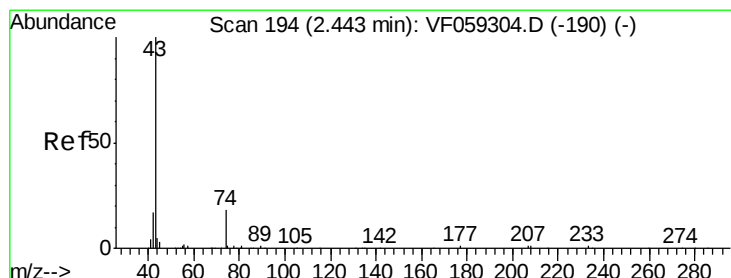
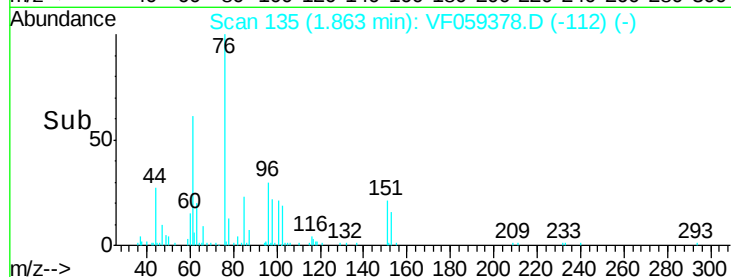
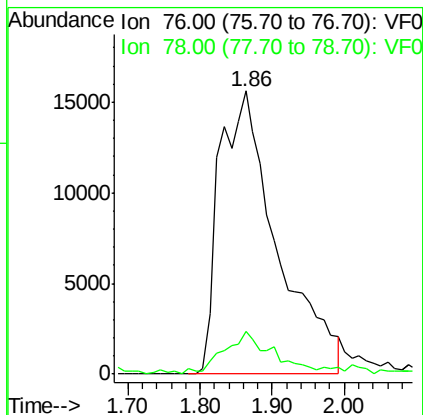
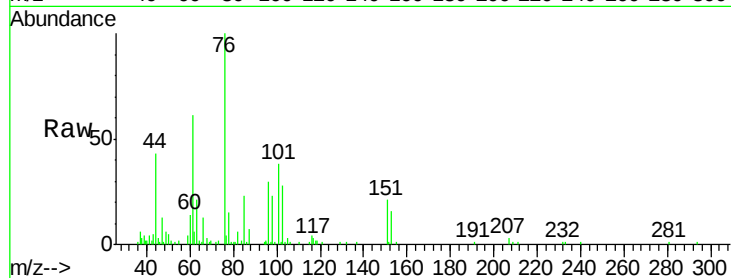
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 86379

Ion Ratio Lower Upper

76 100

78 15.2 8.9 13.3#



#18

Methyl Acetate

Concen: 20.755 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059378.D

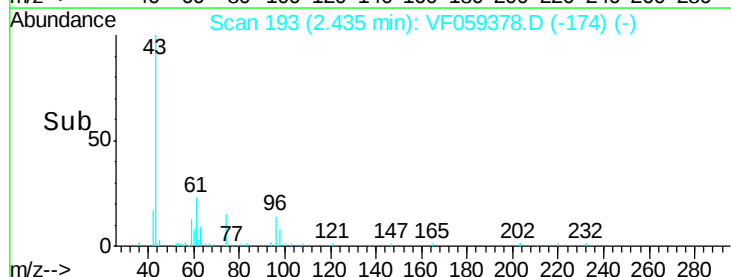
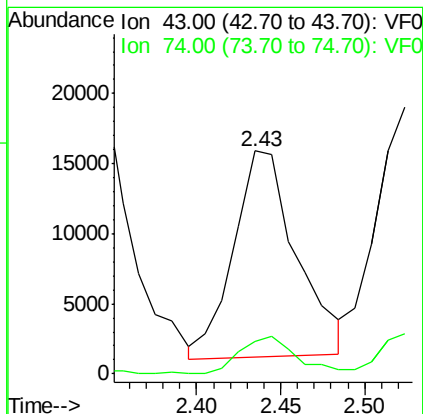
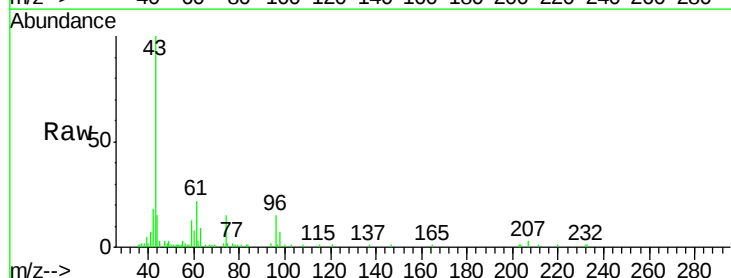
Acq: 29 Jun 2018 15:40

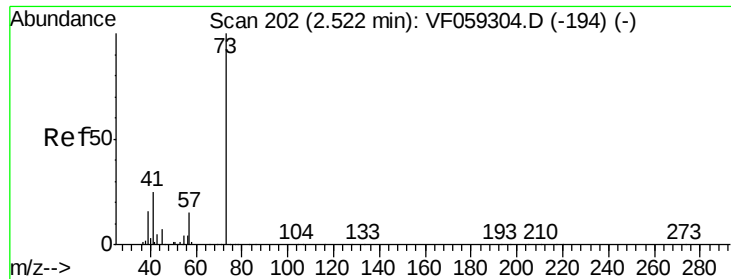
Tgt Ion: 43 Resp: 38381

Ion Ratio Lower Upper

43 100

74 14.5 13.3 19.9



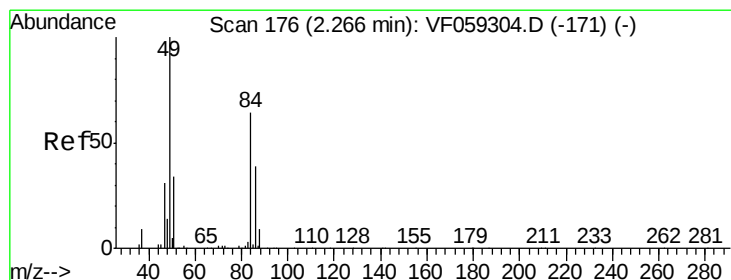
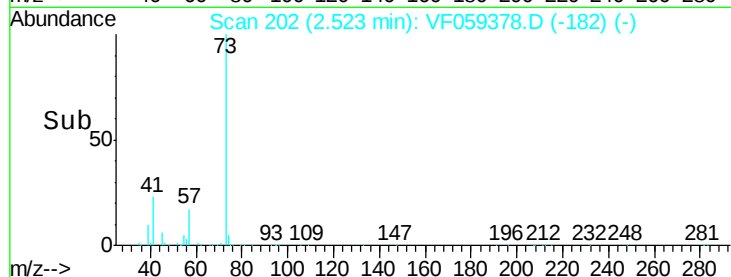
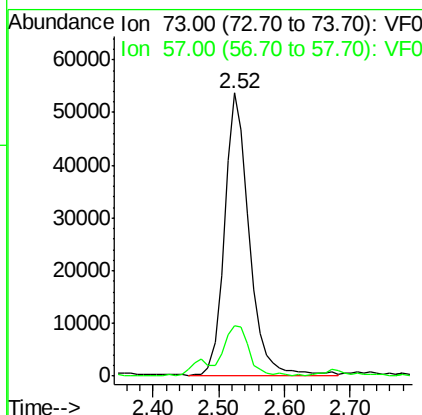
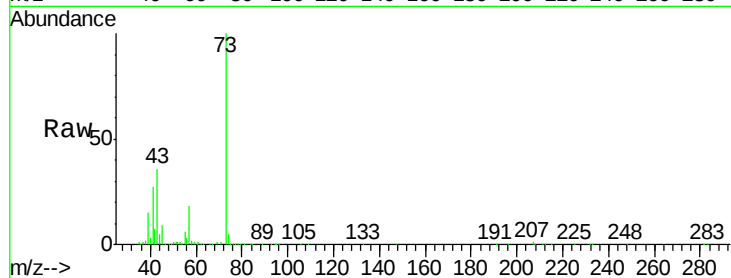


#19

Methyl tert-butyl Ether
 Concen: 20.652 ug/l
 RT: 2.52 min Scan# 202
 Delta R.T. 0.00 min
 Lab File: VF059378.D
 Acq: 29 Jun 2018 15:40

Instrument :
 MSVOA_F
 ClientSampleId :

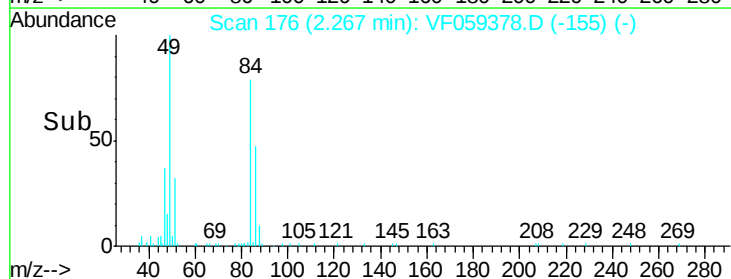
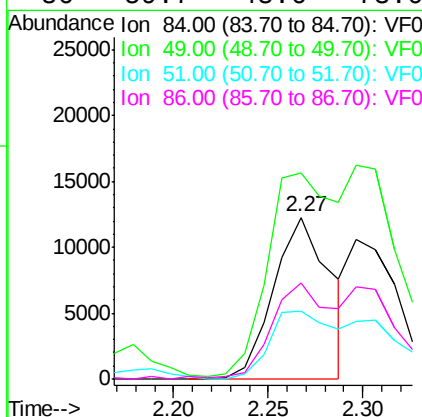
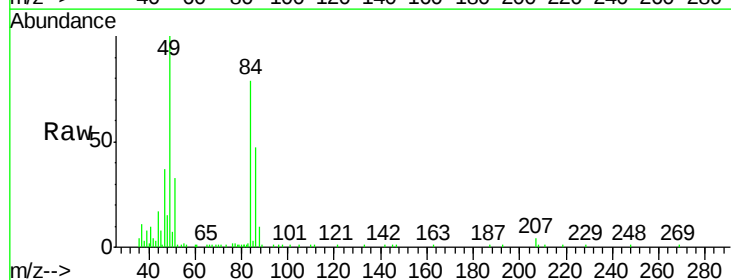
Tot Ion: 73 Resp: 139446
 Ion Ratio Lower Upper
 73 100
 57 18.0 12.3 18.5

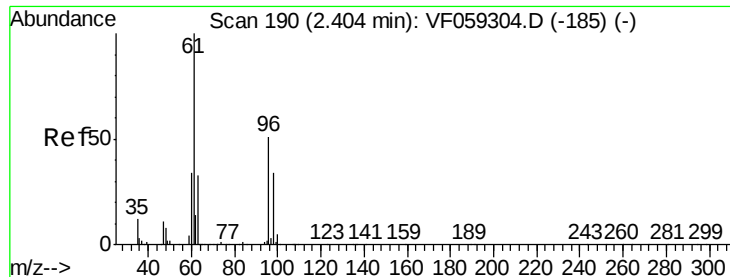


#20

Methylene Chloride
 Concen: 4.865 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. 0.00 min
 Lab File: VF059378.D
 Acq: 29 Jun 2018 15:40

Tgt Ion: 84 Resp: 25662
 Ion Ratio Lower Upper
 84 100
 49 127.4 126.5 189.7
 51 42.3 42.9 64.3#
 86 59.7 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 20.693 ug/l

RT: 2.40 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

ClientSampled :

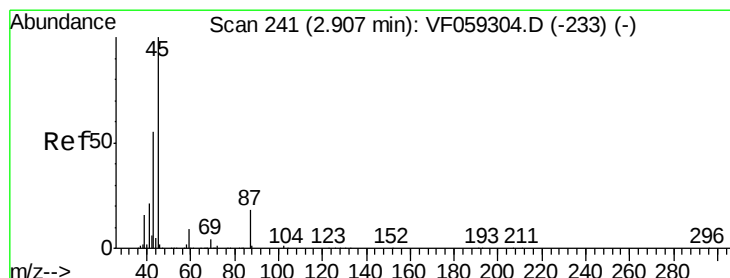
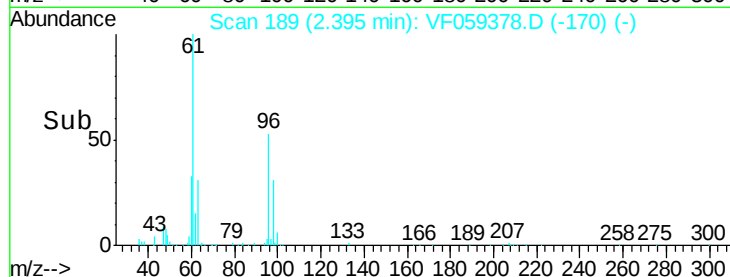
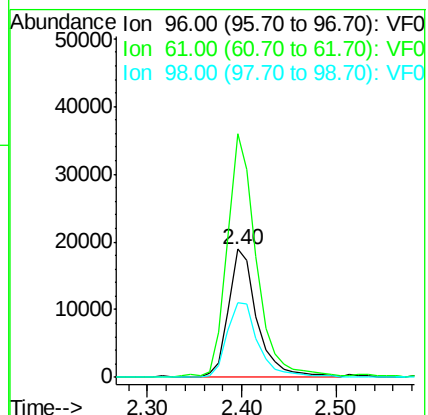
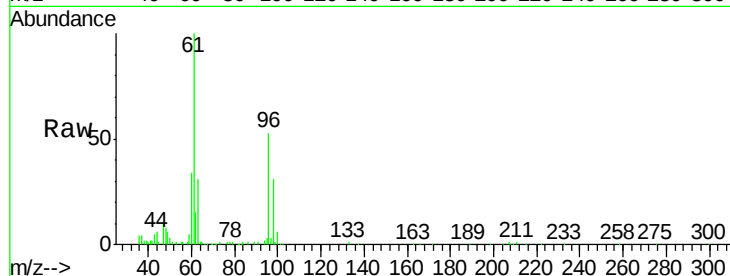
Tot Ion: 96 Resp: 39958

Ion Ratio Lower Upper

96 100

61 190.4 157.4 236.2

98 60.2 53.7 80.5



#22

Diisopropyl ether

Concen: 21.594 ug/l

RT: 2.91 min Scan# 241

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Tgt Ion: 45 Resp: 162493

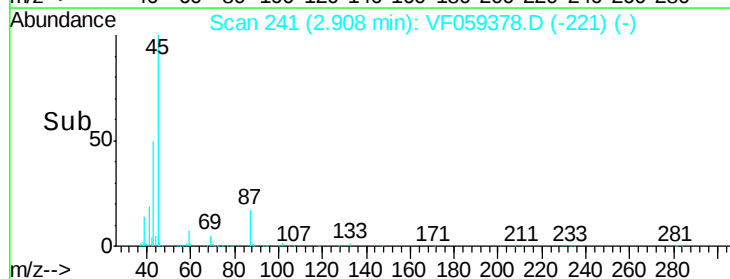
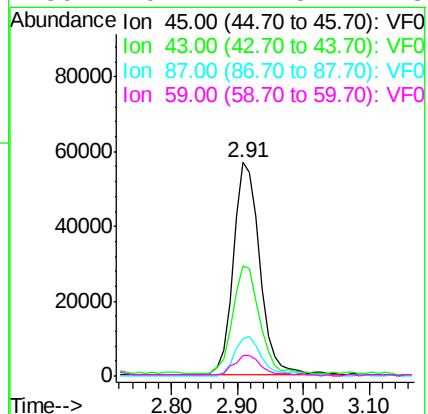
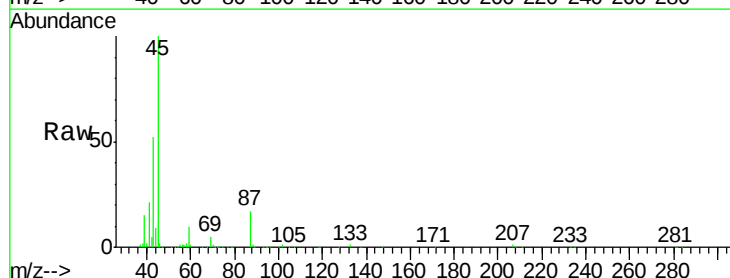
Ion Ratio Lower Upper

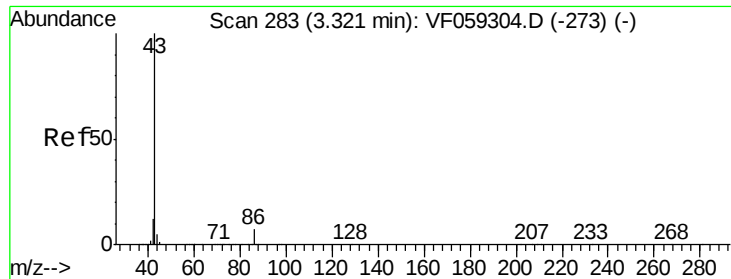
45 100

43 51.8 44.6 66.8

87 17.4 14.3 21.5

59 9.7 7.5 11.3





#23

Vinyl Acetate

Concen: 111.171 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

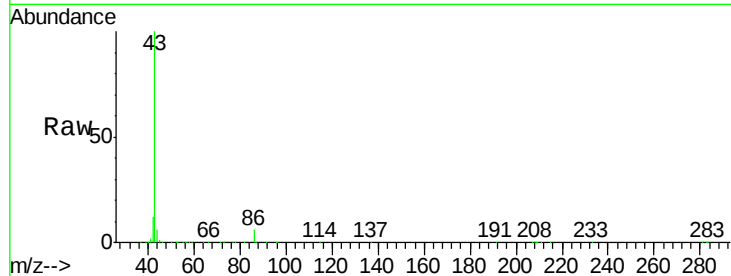
ClientSampleId :

Tot Ion: 43 Resp: 532753

Ion Ratio Lower Upper

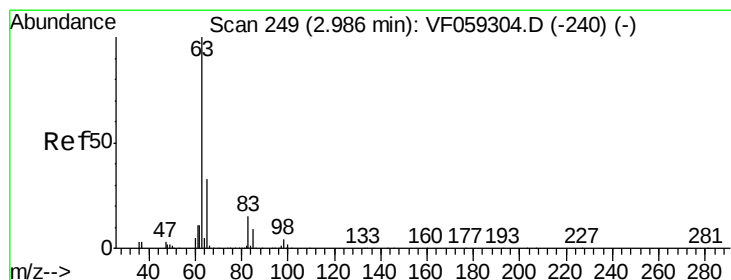
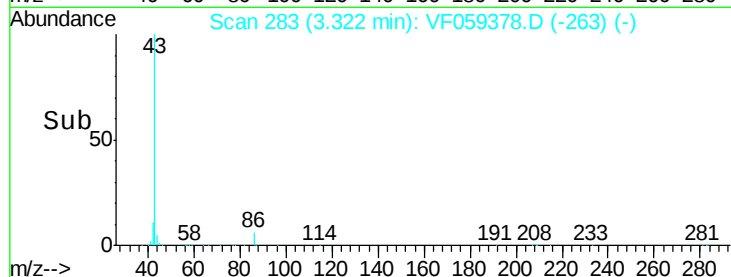
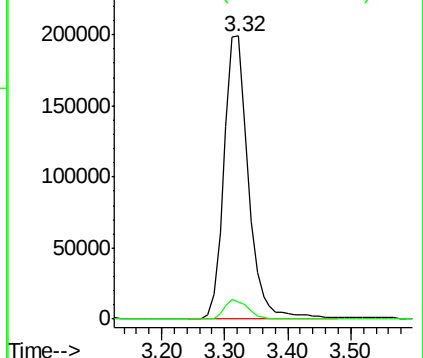
43 100

86 6.1 5.8 8.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 20.457 ug/l

RT: 2.99 min Scan# 249

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

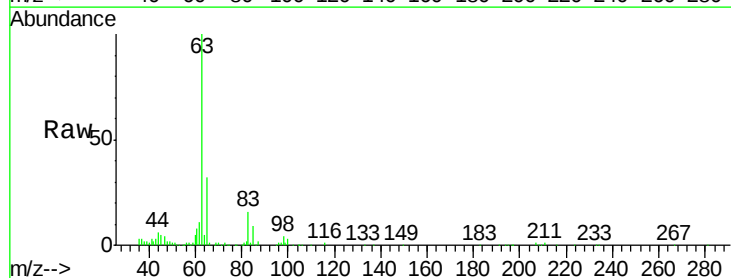
Tgt Ion: 63 Resp: 95441

Ion Ratio Lower Upper

63 100

98 3.5 2.0 6.0

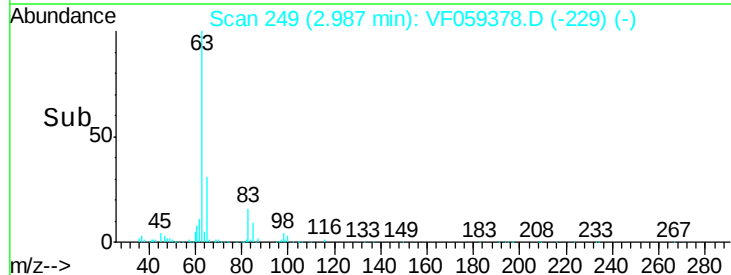
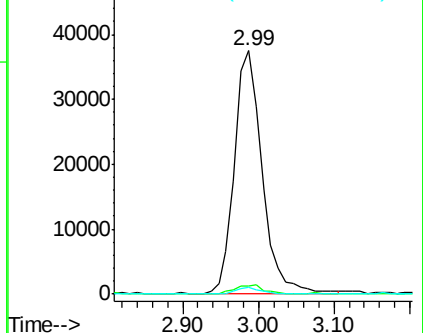
100 2.7 1.3 3.9

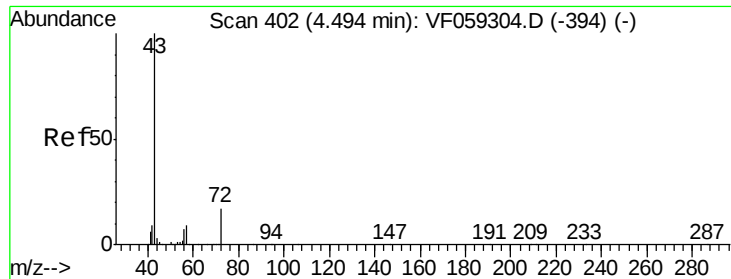


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 117.114 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

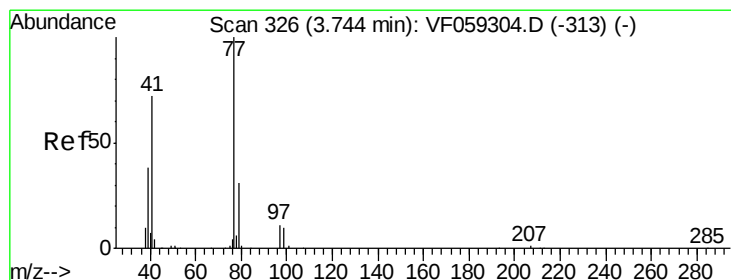
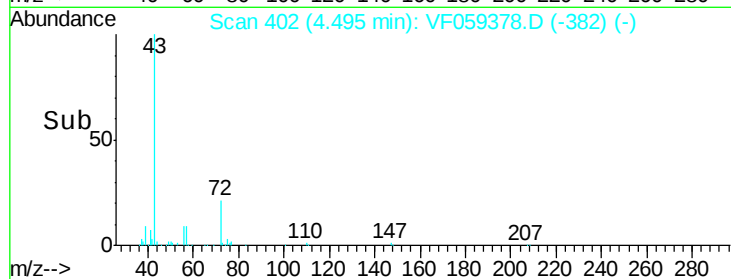
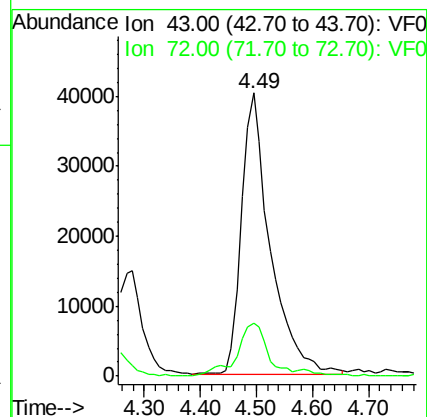
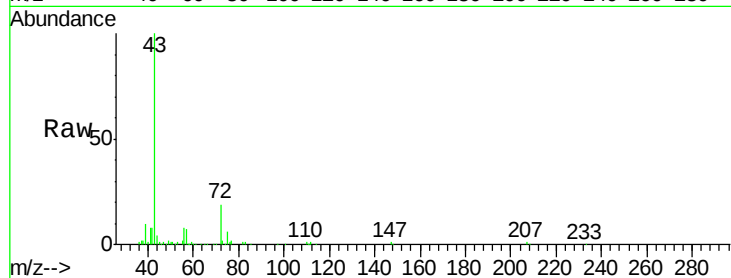
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 142294

Ion Ratio Lower Upper

43 100

72 18.9 14.4 21.6



#26

2,2-Dichloropropane

Concen: 20.891 ug/l

RT: 3.75 min Scan# 326

Delta R.T. 0.00 min

Lab File: VF059378.D

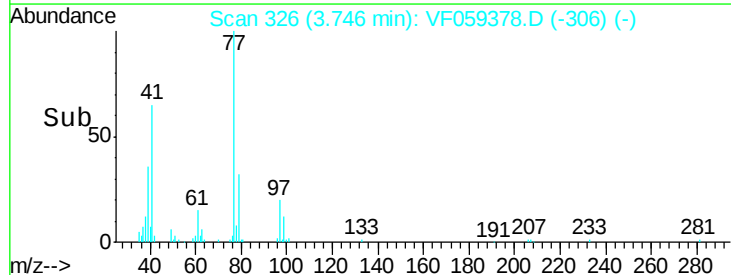
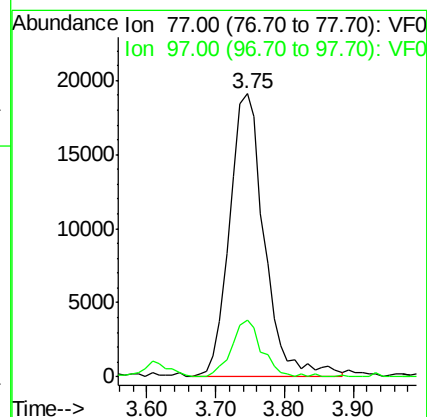
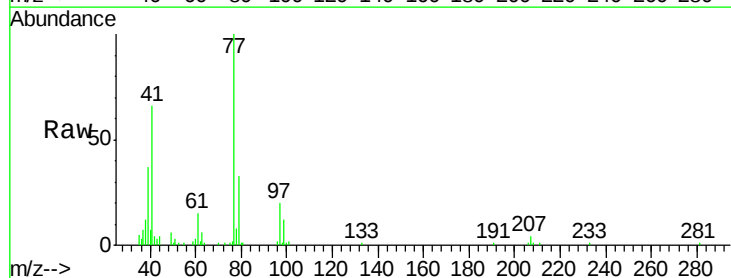
Acq: 29 Jun 2018 15:40

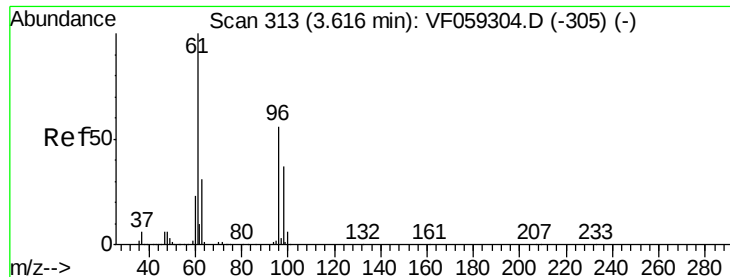
Tgt Ion: 77 Resp: 67224

Ion Ratio Lower Upper

77 100

97 19.9 8.0 23.8



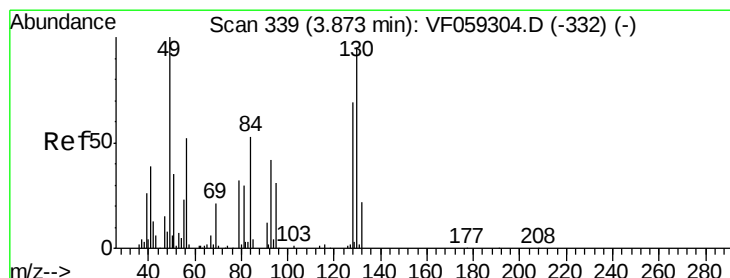
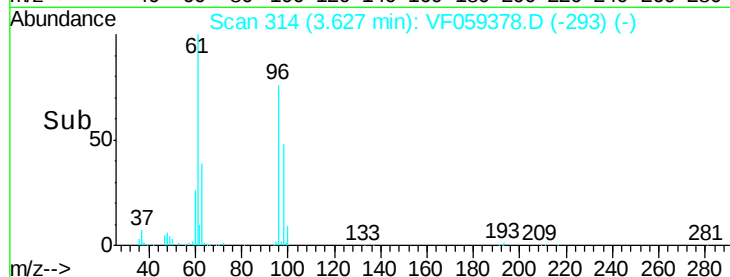
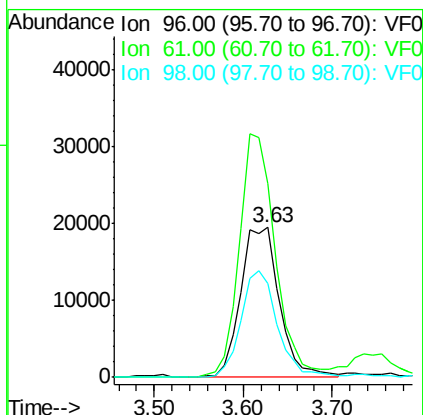
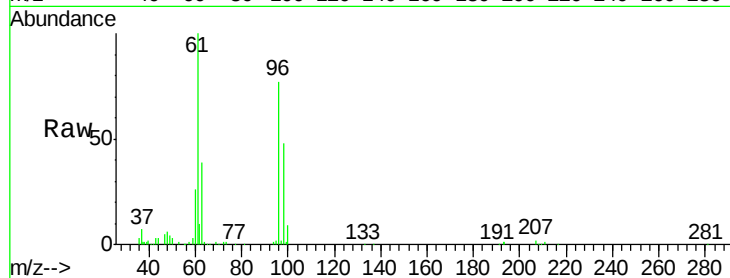


#27

cis-1,2-Dichloroethene
 Concen: 20.067 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. 0.01 min
 Lab File: VF059378.D
 Acq: 29 Jun 2018 15:40

Instrument :
 MSVOA_F
 ClientSampleId :

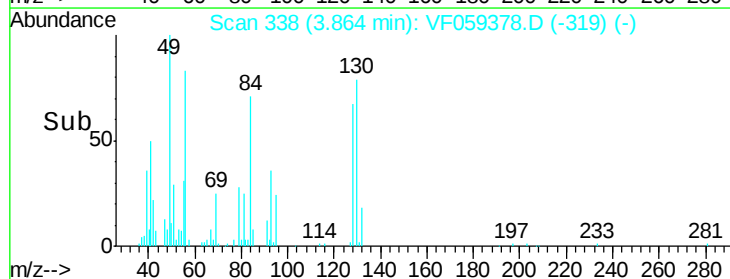
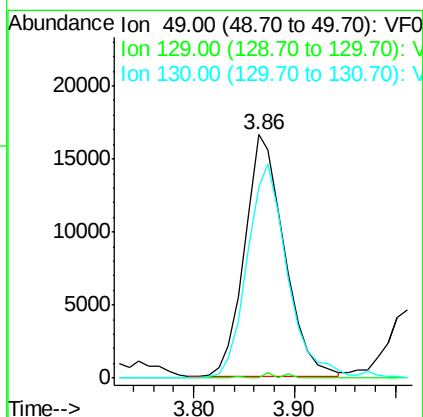
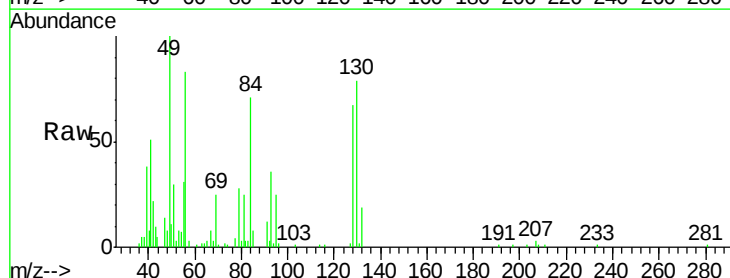
Tot Ion	Ratio	Lower	Upper
96	100		
61	129.9	0.0	355.4
98	62.7	0.0	131.0

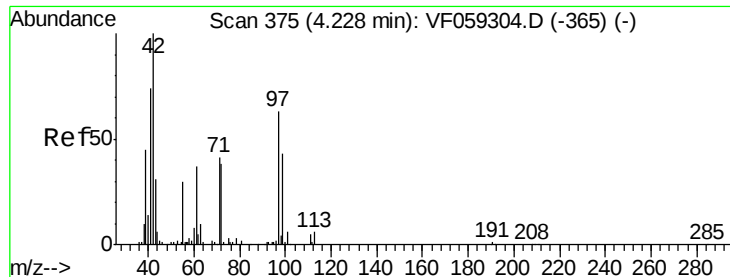


#28

Bromochloromethane
 Concen: 23.125 ug/l
 RT: 3.86 min Scan# 338
 Delta R.T. -0.01 min
 Lab File: VF059378.D
 Acq: 29 Jun 2018 15:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	78.6	75.1	112.7





#29

Tetrahydrofuran

Concen: 108.925 ug/l

RT: 4.24 min Scan# 376

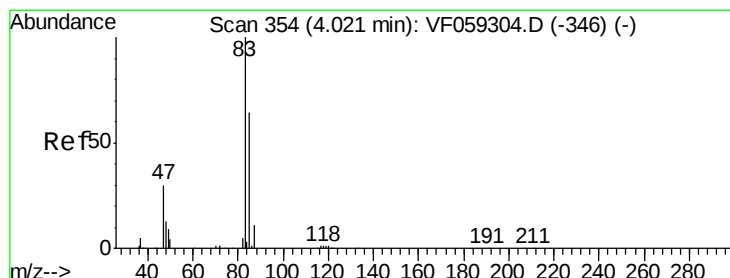
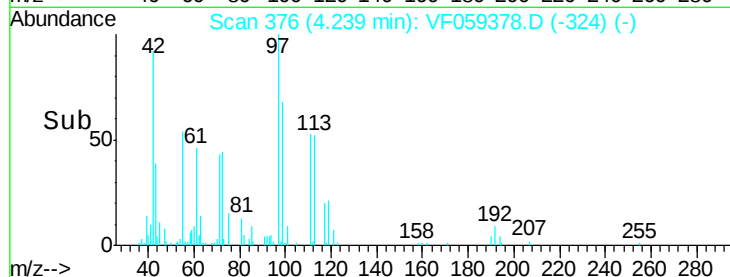
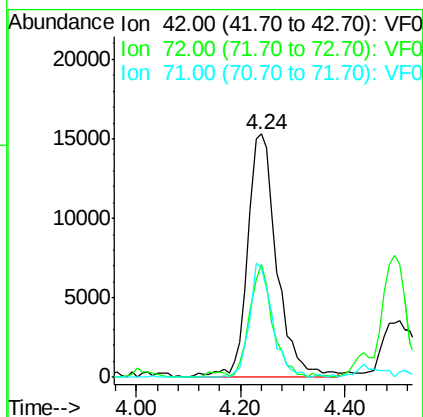
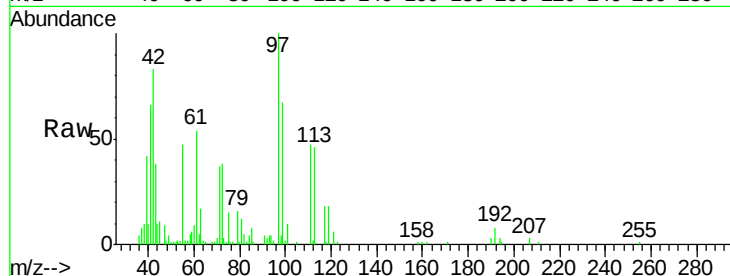
Delta R.T. 0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	58127
Ion	Ratio	Lower	Upper
42	100		
72	36.4	30.5	45.7
71	36.2	32.5	48.7



#30

Chloroform

Concen: 19.976 ug/l

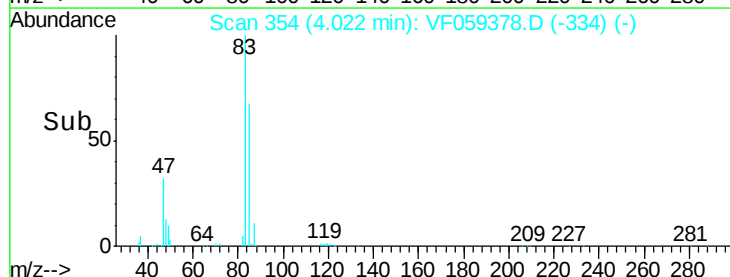
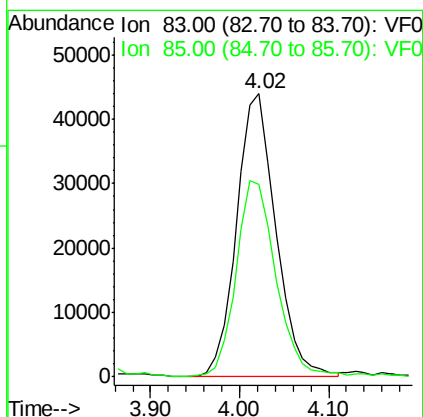
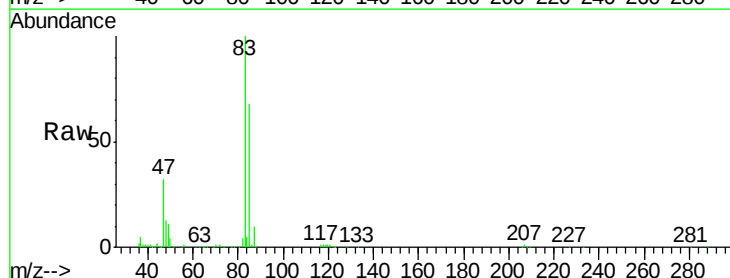
RT: 4.02 min Scan# 354

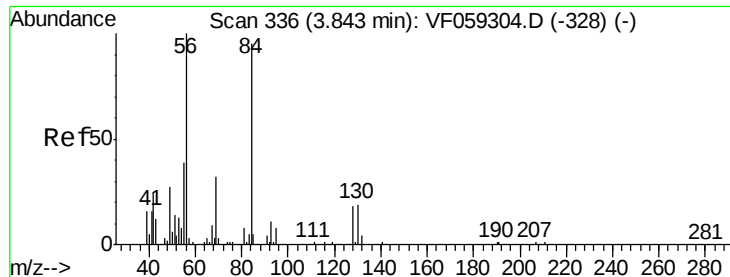
Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Tgt Ion:	83	Resp:	134921
Ion	Ratio	Lower	Upper
83	100		
85	67.8	51.3	76.9





#31

Cyclohexane

Concen: 22.143 ug/l

RT: 3.85 min Scan# 337

Delta R.T. 0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :
MSVOA_F
ClientSampleId :

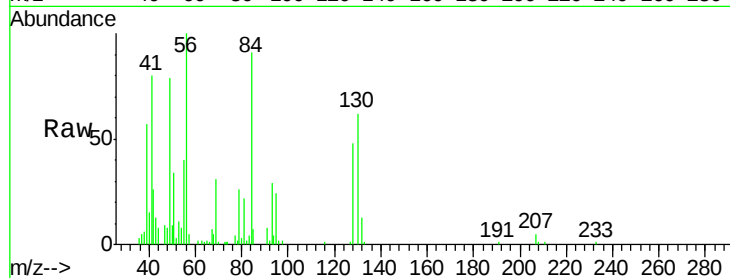
Tot Ion: 56 Resp: 67675

Ion Ratio Lower Upper

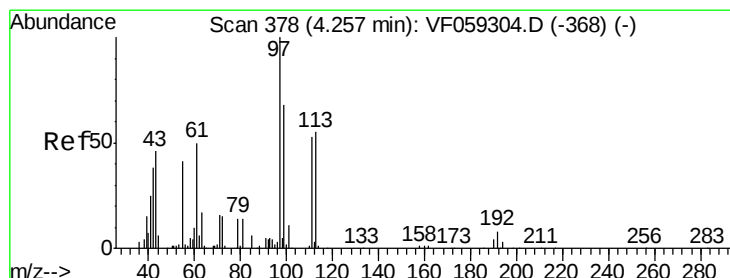
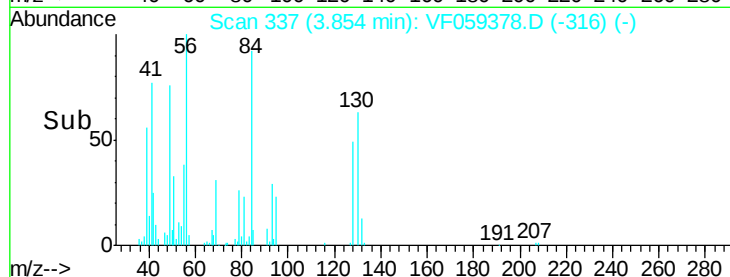
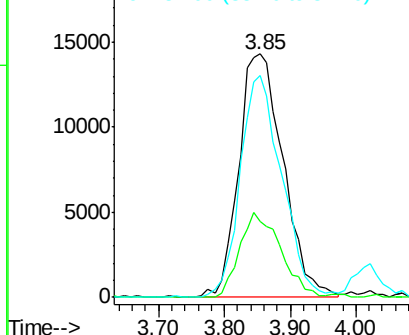
56 100

69 31.2 25.8 38.8

84 91.2 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: 20.202 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

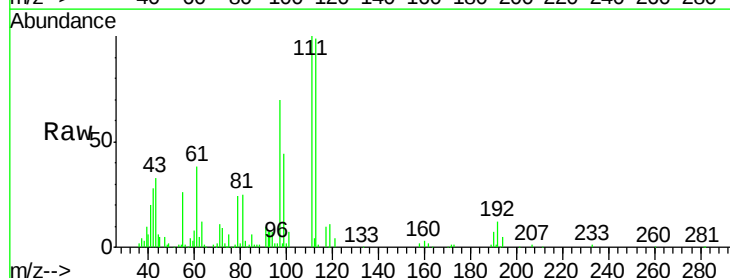
Tgt Ion: 97 Resp: 99846

Ion Ratio Lower Upper

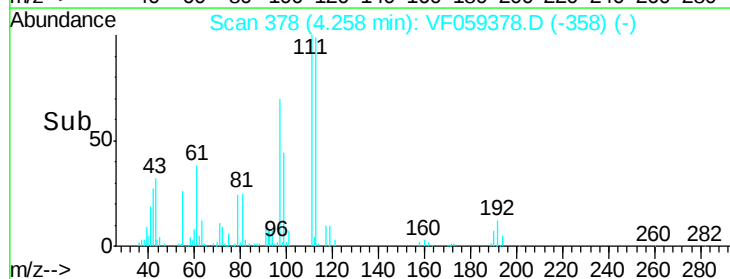
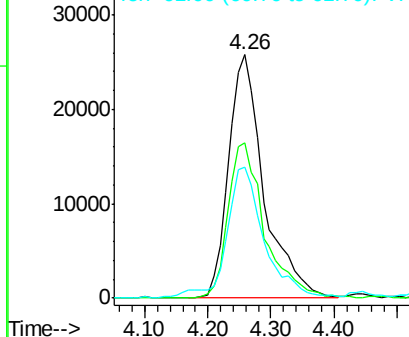
97 100

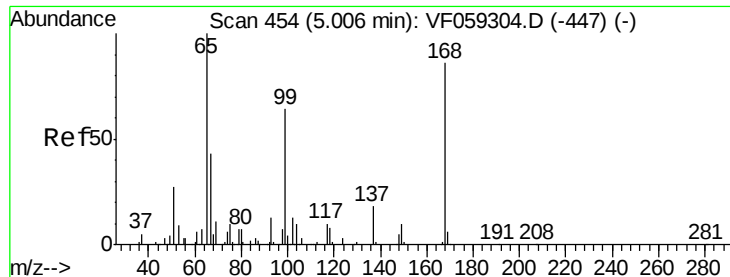
99 63.6 54.1 81.1

61 53.7 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

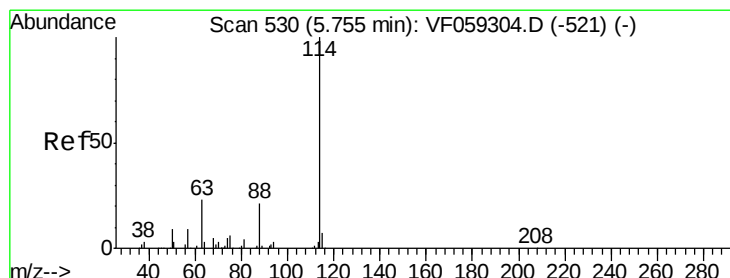
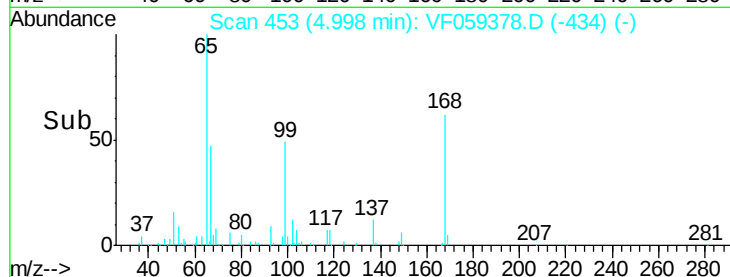
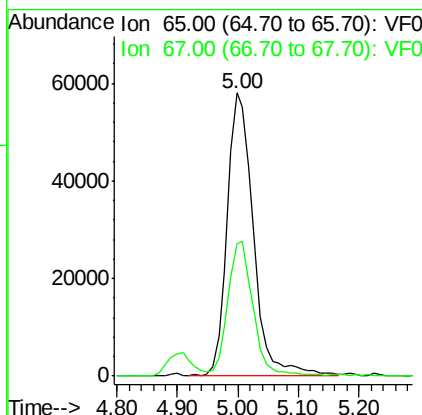
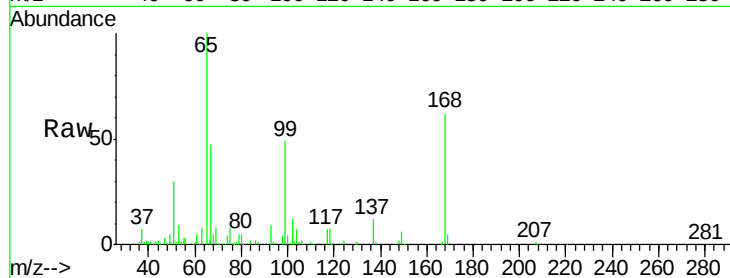




#33
 1,2-Dichloroethane-d4
 Concen: 43.499 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059378.D
 Acq: 29 Jun 2018 15:40

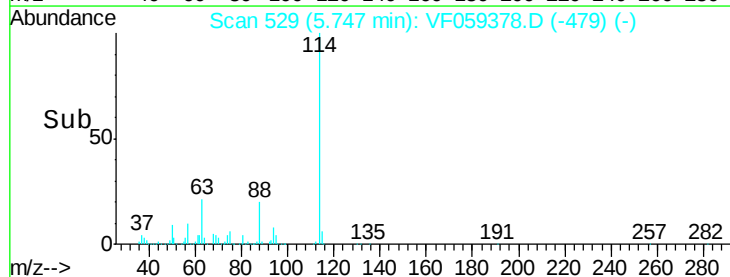
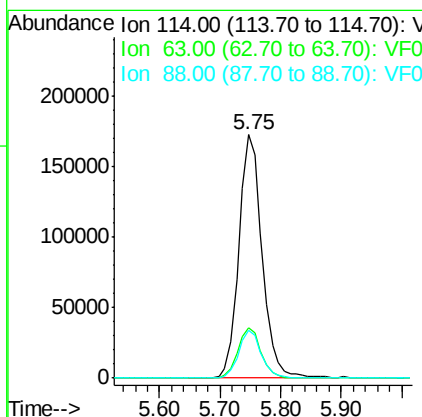
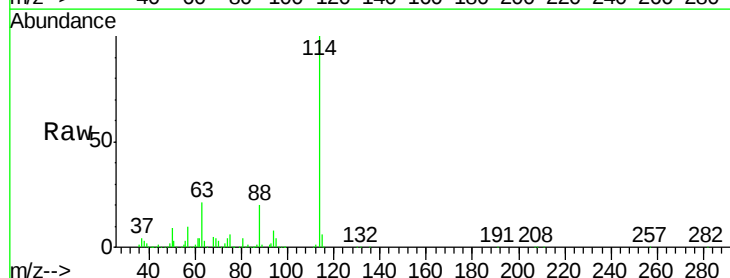
Instrument :
 MSVOA_F
 ClientSampleId :

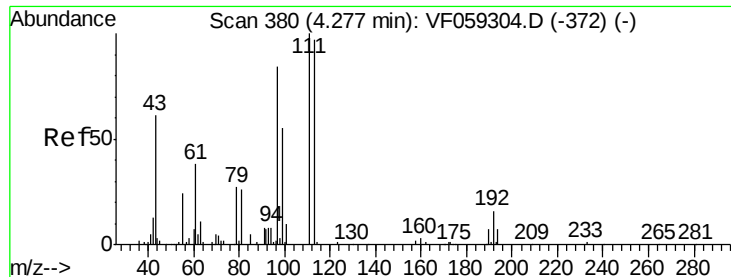
Tot Ion: 65 Resp: 172557
 Ion Ratio Lower Upper
 65 100
 67 46.9 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059378.D
 Acq: 29 Jun 2018 15:40

Tgt Ion: 114 Resp: 459484
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.8
 88 19.7 0.0 41.2





#35

Dibromofluoromethane

Concen: 46.653 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :
MSVOA_F
ClientSampleId :

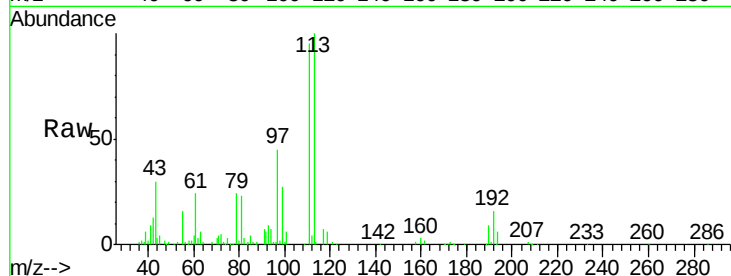
Tot Ion:113 Resp: 156629

Ion	Ratio	Lower	Upper
113	100		
111	95.3	82.1	123.1
192	16.1	13.0	19.6

113 100

111 95.3 82.1 123.1

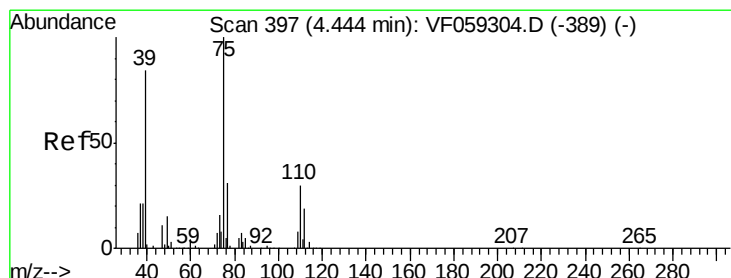
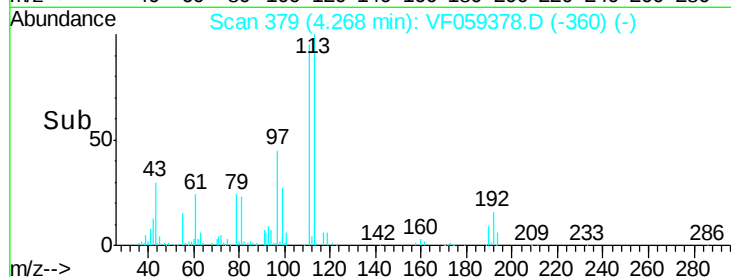
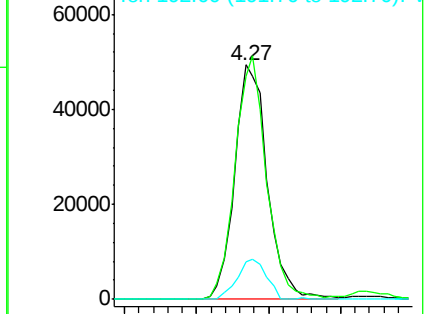
192 16.1 13.0 19.6



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: 21.259 ug/l

RT: 4.44 min Scan# 396

Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

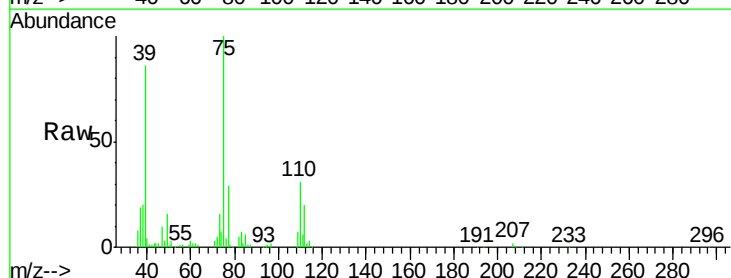
Tgt Ion: 75 Resp: 85334

Ion	Ratio	Lower	Upper
75	100		
110	30.7	14.8	44.4
77	29.4	25.2	37.8

75 100

110 30.7 14.8 44.4

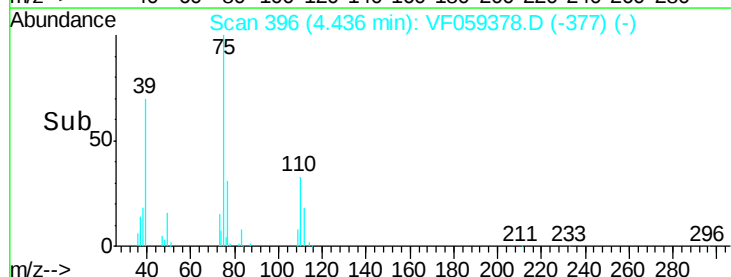
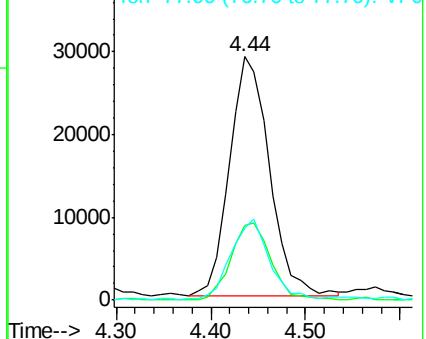
77 29.4 25.2 37.8

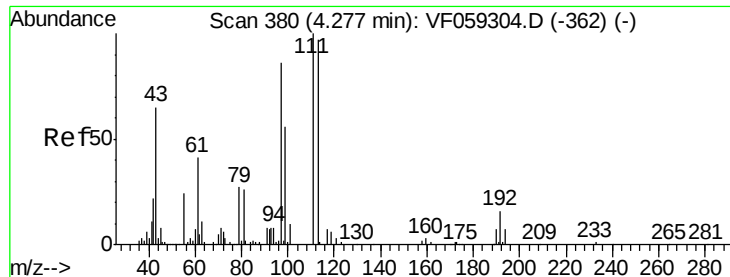


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 23.057 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :
MSVOA_F
ClientSampled :

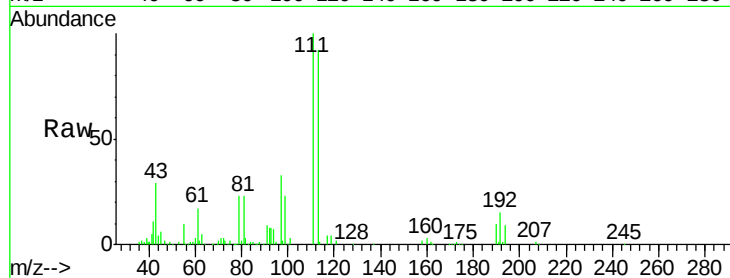
Tot Ion: 43 Resp: 61252

Ion Ratio Lower Upper

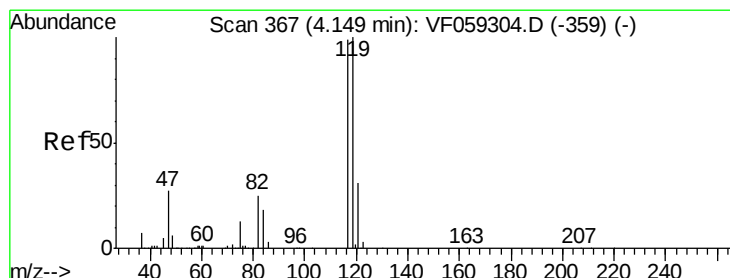
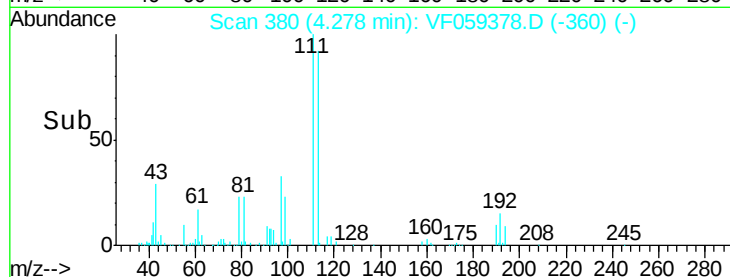
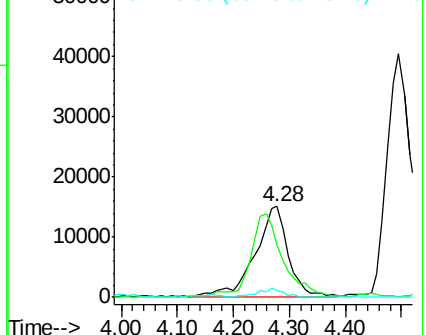
43 100

61 58.3 50.1 75.1

70 7.8 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 21.061 ug/l

RT: 4.15 min Scan# 367

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

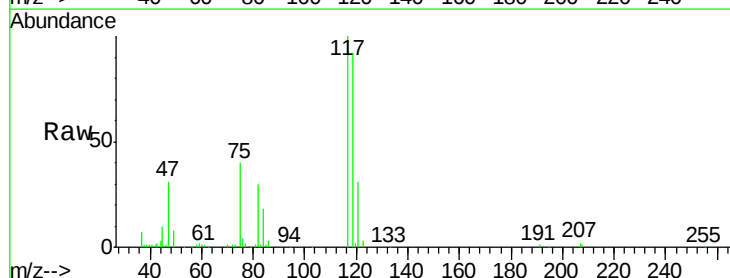
Tgt Ion: 117 Resp: 106688

Ion Ratio Lower Upper

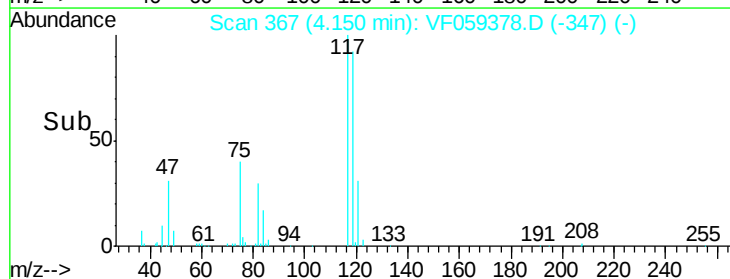
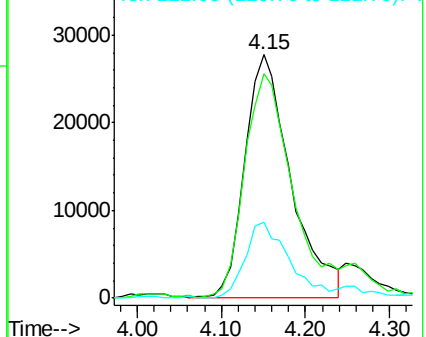
117 100

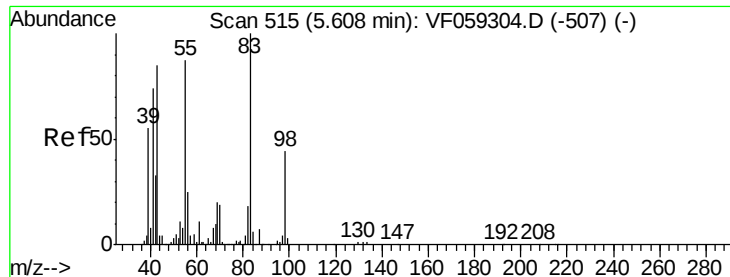
119 92.0 81.0 121.4

121 31.4 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

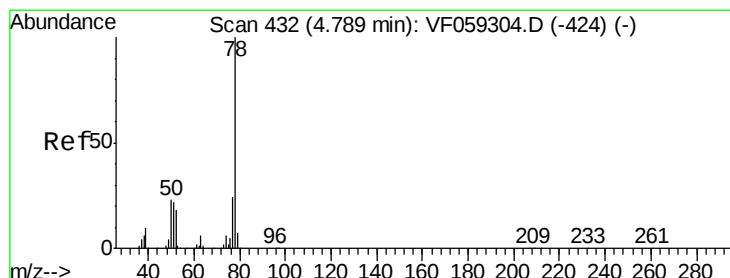
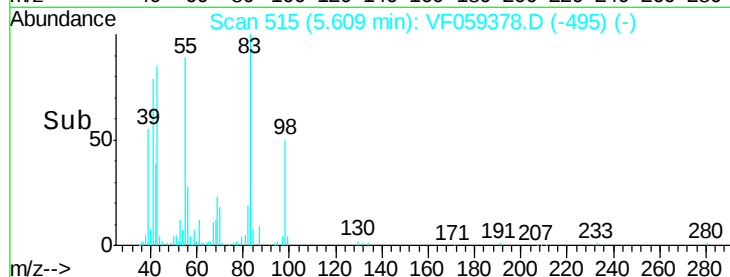
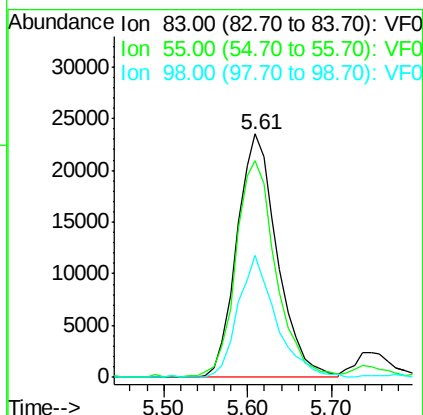
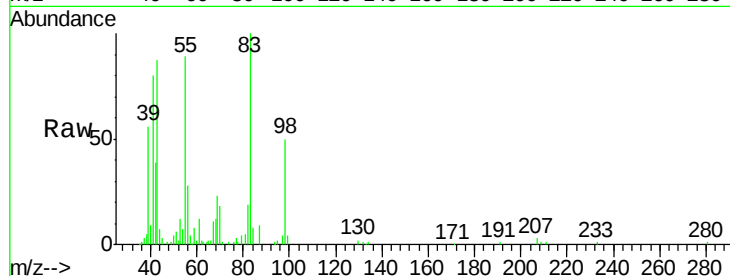




#39
Methvlcvclohexane
Concen: 22.140 ug/l
RT: 5.61 min Scan# 515
Delta R.T. 0.00 min
Lab File: VF059378.D
Acq: 29 Jun 2018 15:40

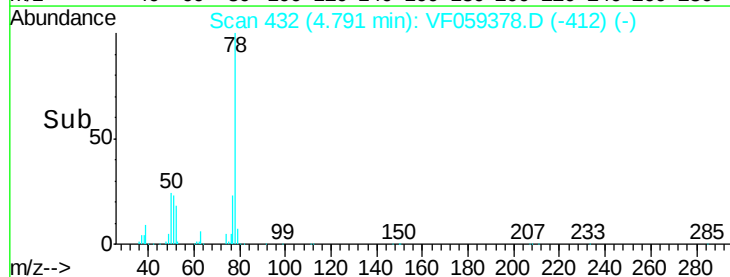
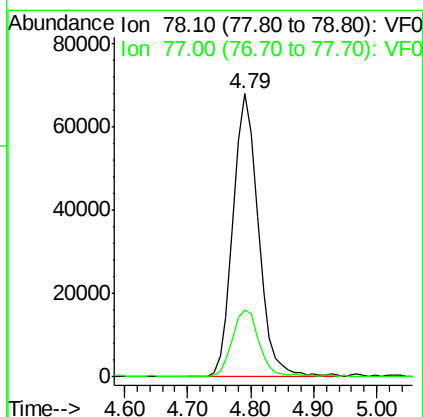
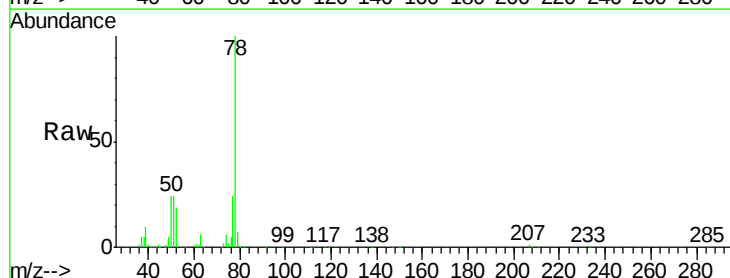
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 78751
Ion Ratio Lower Upper
83 100
55 89.2 69.2 103.8
98 50.3 35.0 52.6



#40
Benzene
Concen: 21.301 ug/l
RT: 4.79 min Scan# 432
Delta R.T. 0.00 min
Lab File: VF059378.D
Acq: 29 Jun 2018 15:40

Tgt Ion: 78 Resp: 189579
Ion Ratio Lower Upper
78 100
77 23.6 19.6 29.4

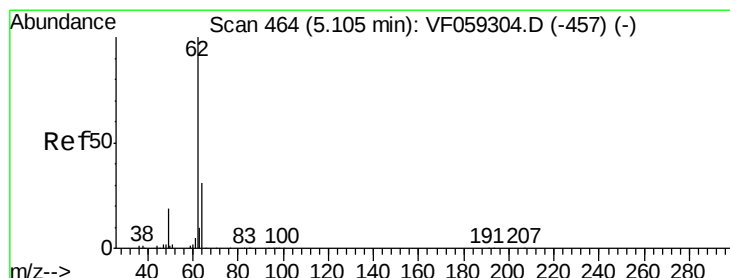
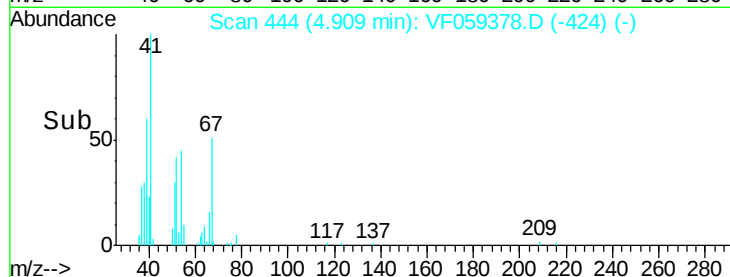
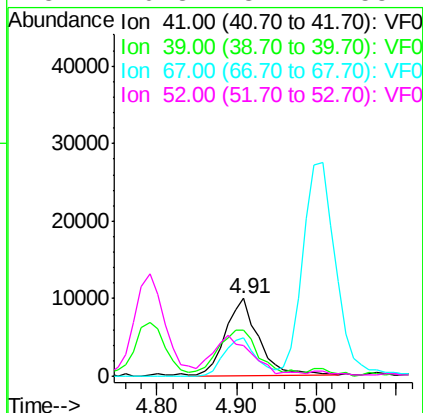
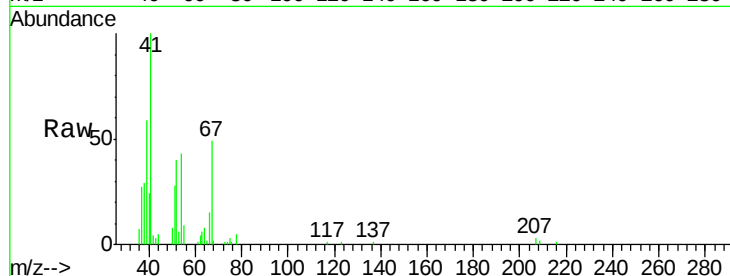




#41
Methacrylonitrile
Concen: 21.355 ug/l
RT: 4.91 min Scan# 444
Delta R.T. 0.00 min
Lab File: VF059378.D
Acq: 29 Jun 2018 15:40

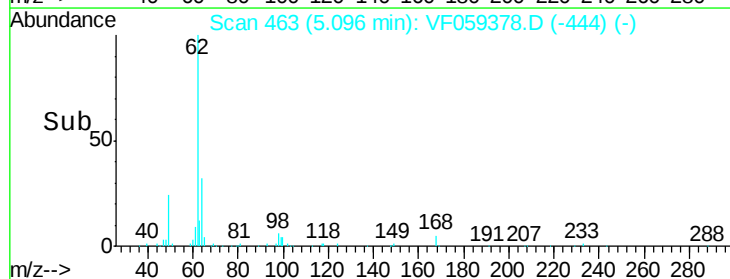
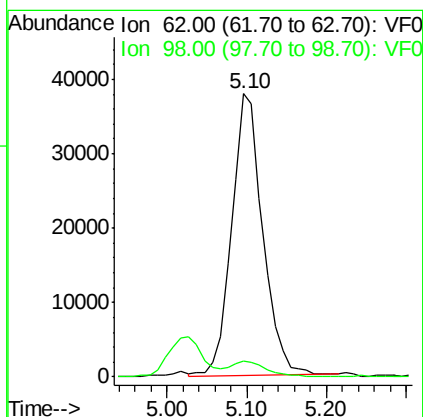
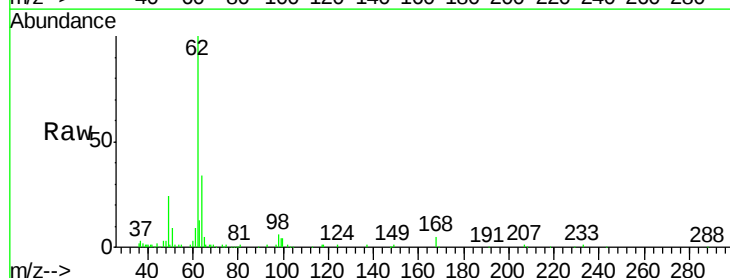
Instrument :
MSVOA_F
ClientSampleId :

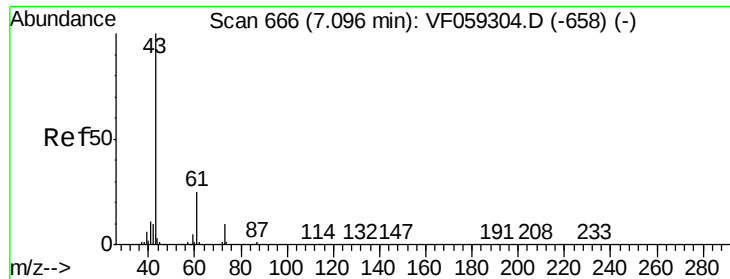
Tot Ion:	41	Resp:	29240
Ion	Ratio	Lower	Upper
41	100		
39	59.2	50.0	75.0
67	48.9	37.0	55.6
52	40.3	37.1	55.7



#42
1,2-Dichloroethane
Concen: 19.744 ug/l
RT: 5.10 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059378.D
Acq: 29 Jun 2018 15:40

Tgt Ion:	62	Resp:	102678
Ion	Ratio	Lower	Upper
62	100		
98	5.6	0.0	11.4



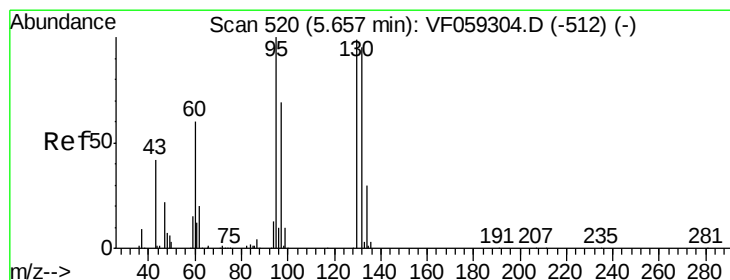
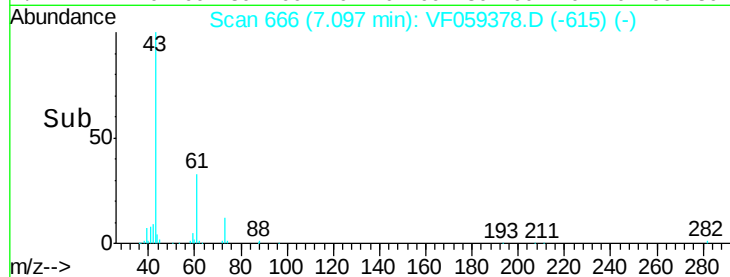
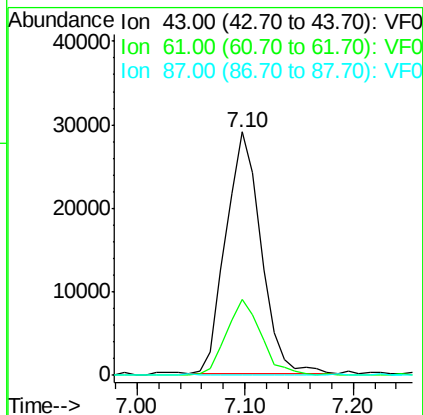
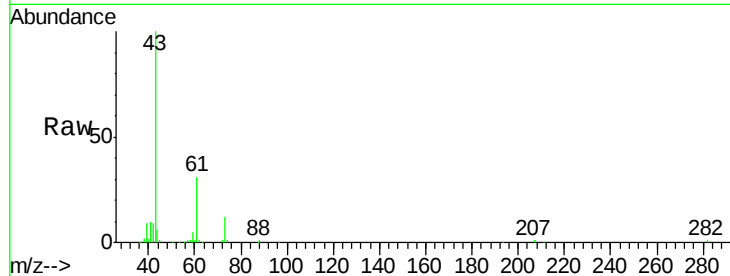


#43

Isopropyl Acetate
 Concen: 19.725 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VF059378.D
 Acq: 29 Jun 2018 15:40

Instrument :
 MSVOA_F
 ClientSampleId :

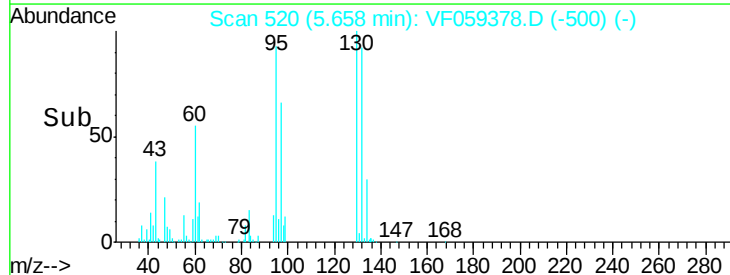
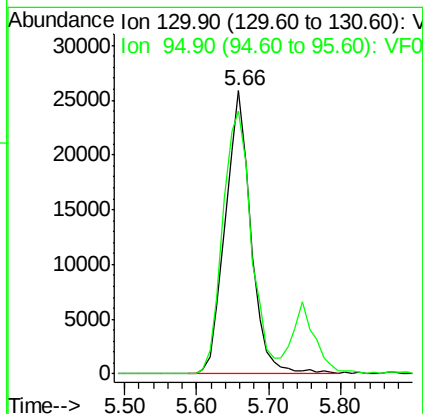
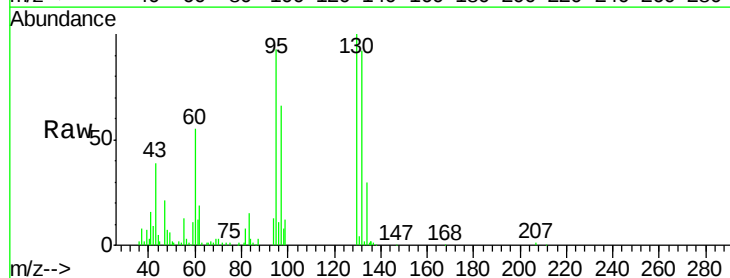
Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	19.7	29.5#
87	0.4	0.5	0.7#

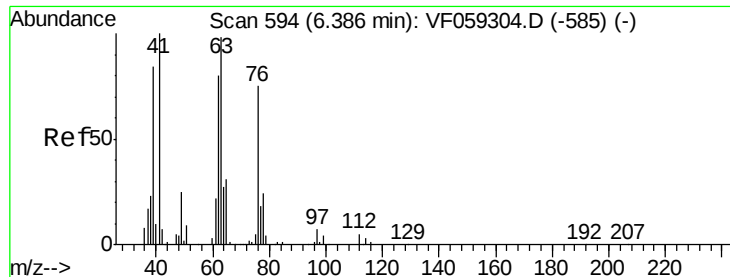


#44

Trichloroethene
 Concen: 20.985 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VF059378.D
 Acq: 29 Jun 2018 15:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	202.4





#45

1,2-Dichloropropane

Concen: 21.398 ug/l

RT: 6.39 min Scan# 594

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

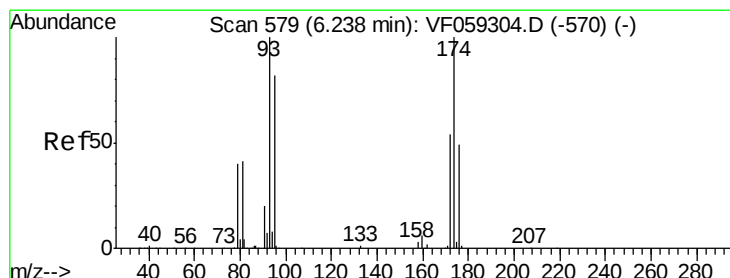
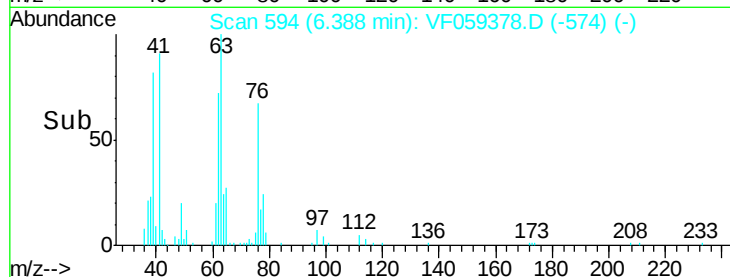
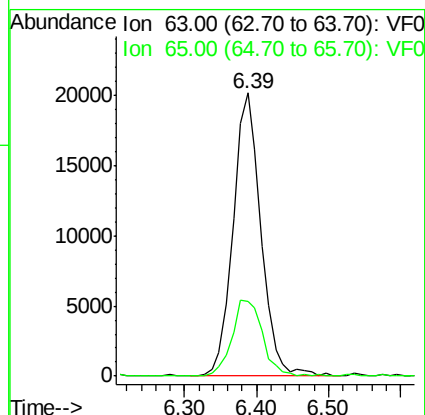
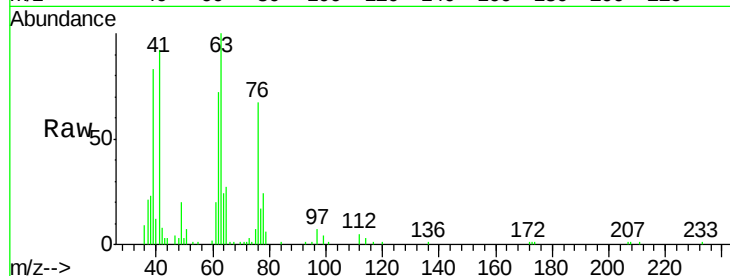
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 54409

Ion Ratio Lower Upper

63 100

65 26.6 25.3 37.9



#46

Dibromomethane

Concen: 21.162 ug/l

RT: 6.24 min Scan# 579

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

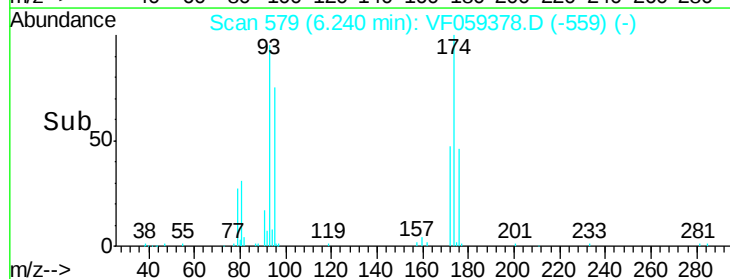
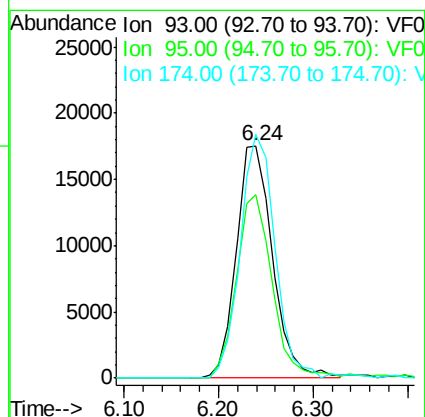
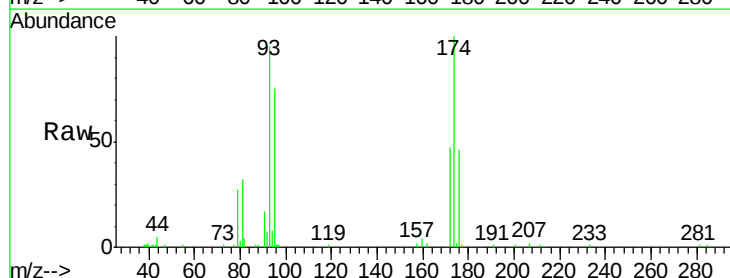
Tgt Ion: 93 Resp: 46703

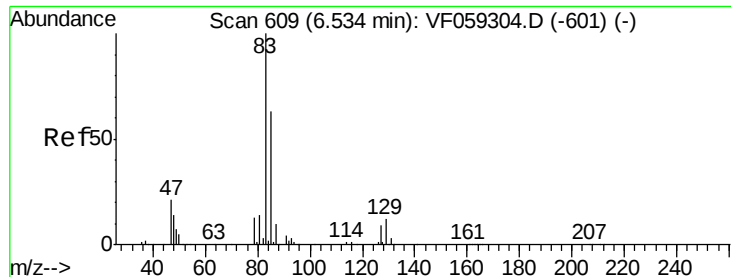
Ion Ratio Lower Upper

93 100

95 79.0 65.6 98.4

174 104.7 80.0 120.0





#47

Bromodichloromethane

Concen: 20.889 ug/l

RT: 6.53 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :
MSVOA_F
ClientSampled :

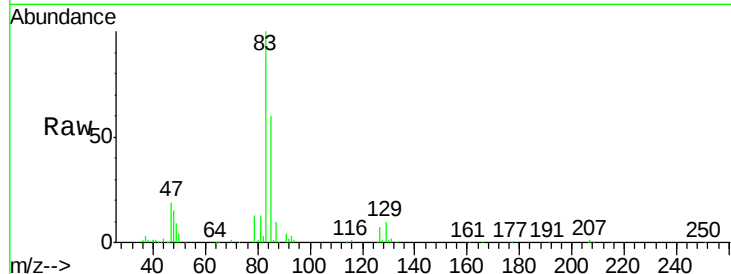
Tot Ion: 83 Resp: 111599

Ion Ratio Lower Upper

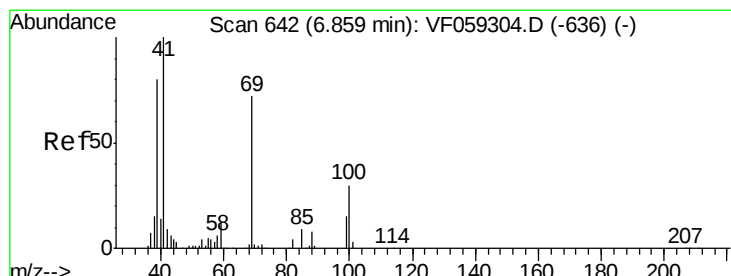
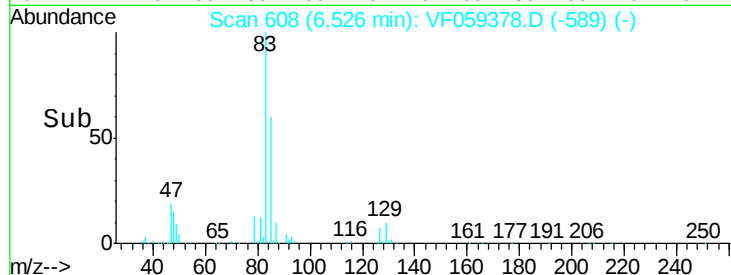
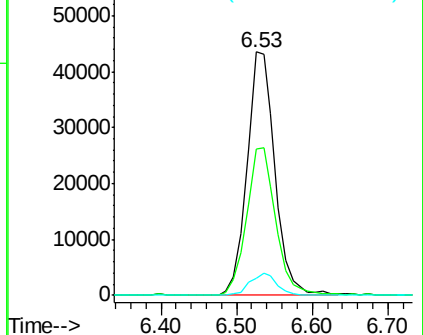
83 100

85 60.0 50.2 75.2

127 7.9 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: 20.234 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

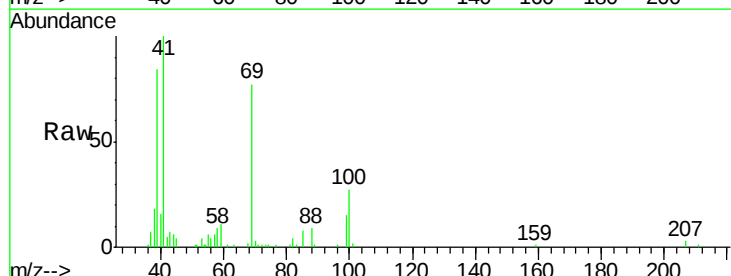
Tgt Ion: 41 Resp: 45342

Ion Ratio Lower Upper

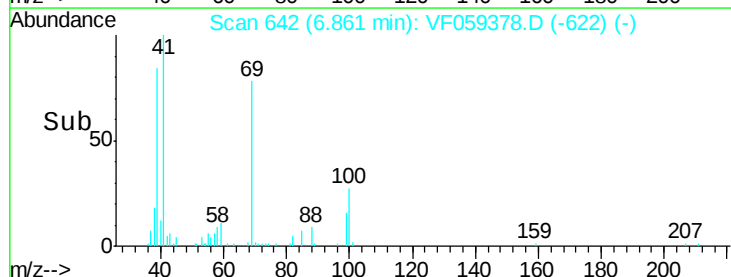
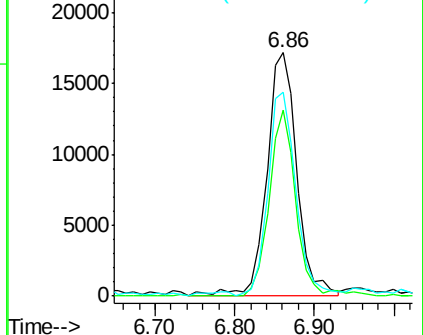
41 100

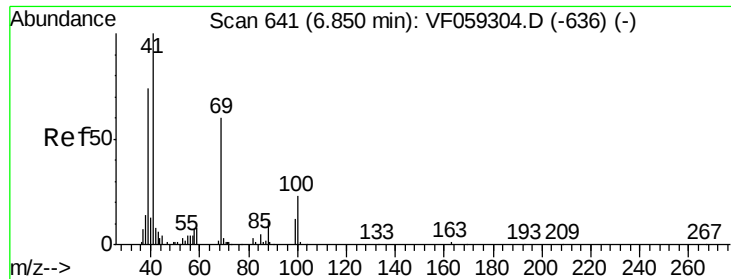
69 76.6 57.3 85.9

39 83.8 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: 450.693 ug/l

RT: 6.85 min Scan# 641

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

ClientSampleId :

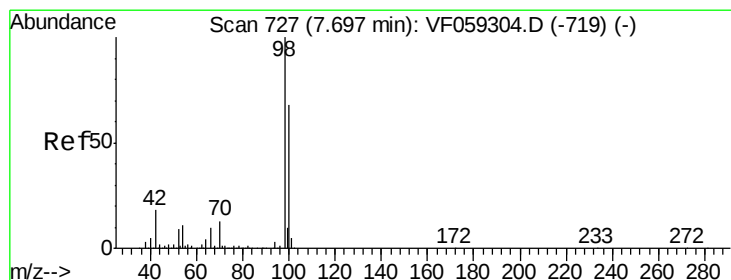
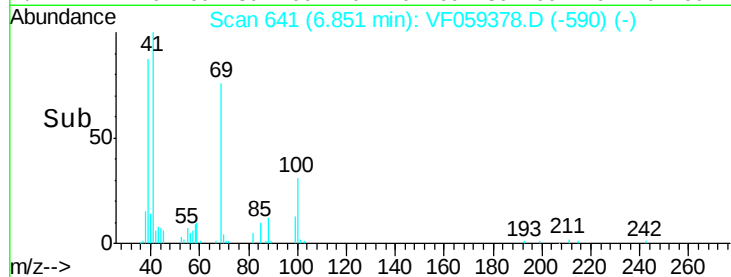
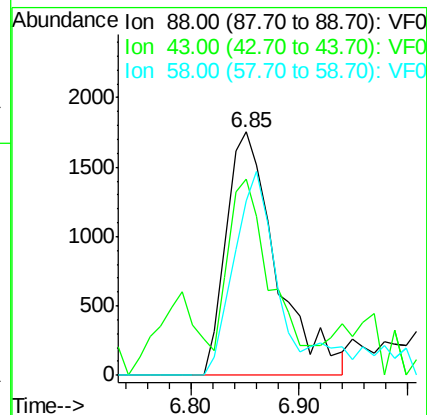
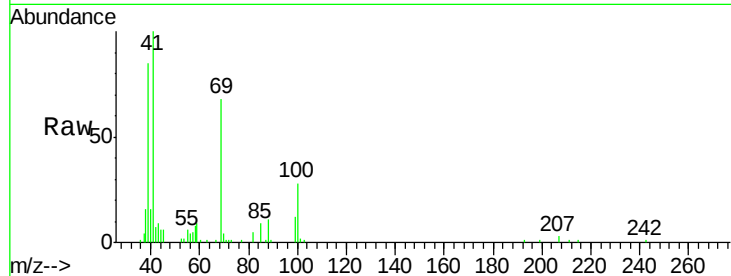
Tot Ion: 88 Resp: 5668

Ion Ratio Lower Upper

88 100

43 80.4 50.6 75.8#

58 71.8 46.6 69.8#



#50

Toluene-d8

Concen: 44.971 ug/l

RT: 7.70 min Scan# 727

Delta R.T. 0.00 min

Lab File: VF059378.D

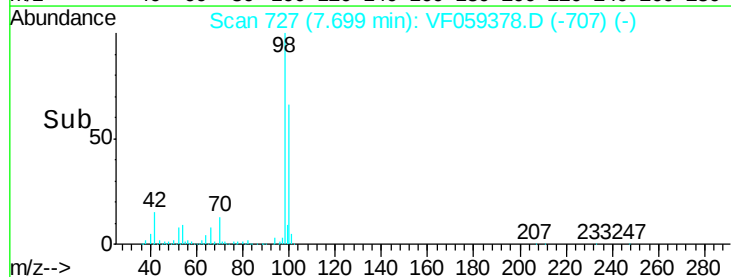
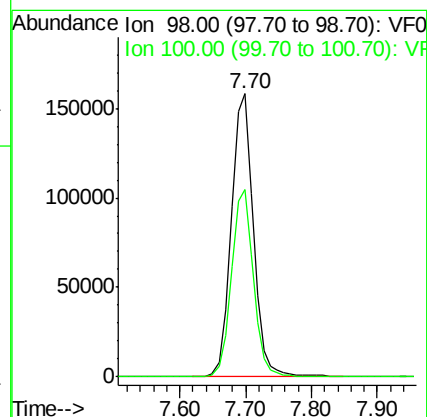
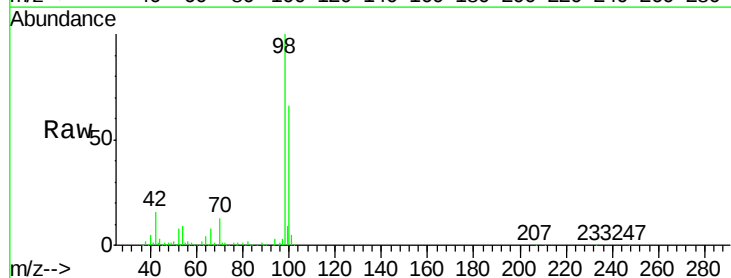
Acq: 29 Jun 2018 15:40

Tgt Ion: 98 Resp: 373812

Ion Ratio Lower Upper

98 100

100 66.2 54.6 82.0





#51

4-Methyl-2-Pentanone

Concen: 104.998 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

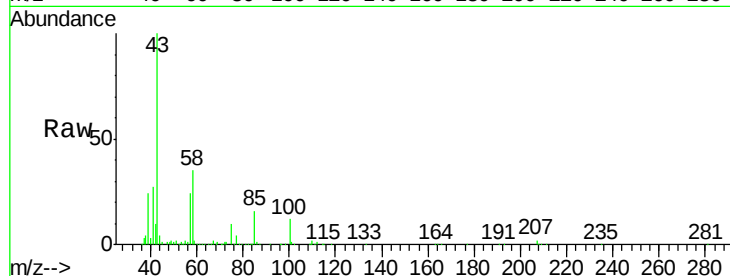
ClientSampleId :

Tot Ion: 43 Resp: 260078

Ion Ratio Lower Upper

43 100

58 35.0 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

120000

100000

80000

60000

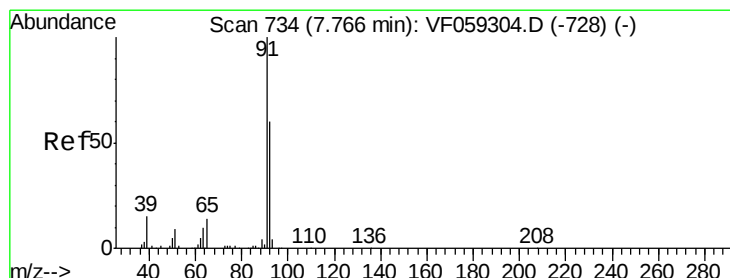
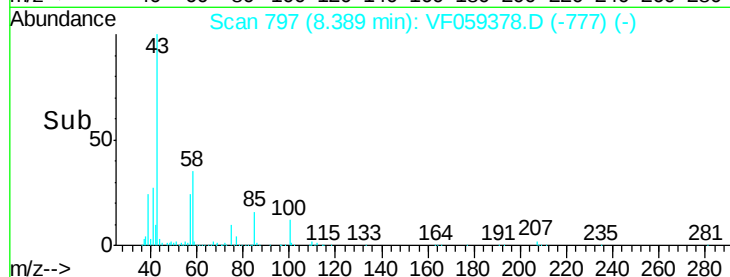
40000

20000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 20.490 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059378.D

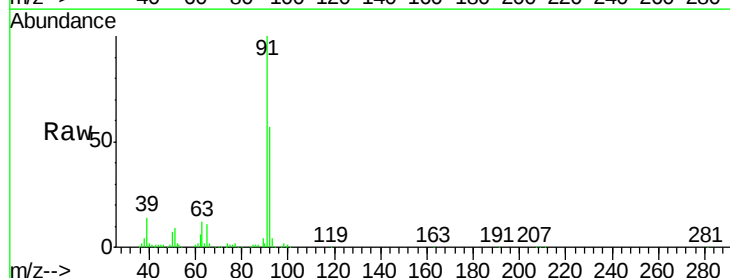
Acq: 29 Jun 2018 15:40

Tgt Ion: 92 Resp: 136454

Ion Ratio Lower Upper

92 100

91 174.2 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

100000

80000

60000

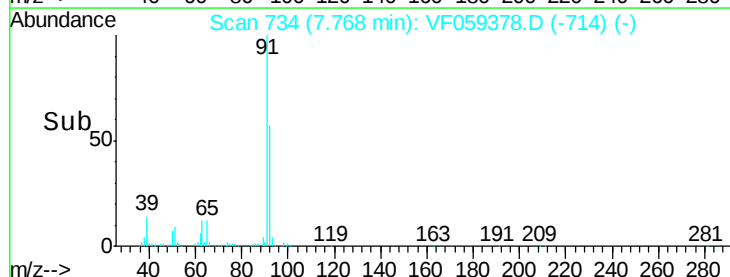
40000

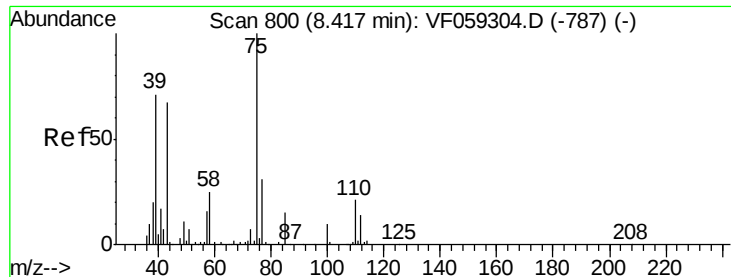
20000

0

7.60 7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.963 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

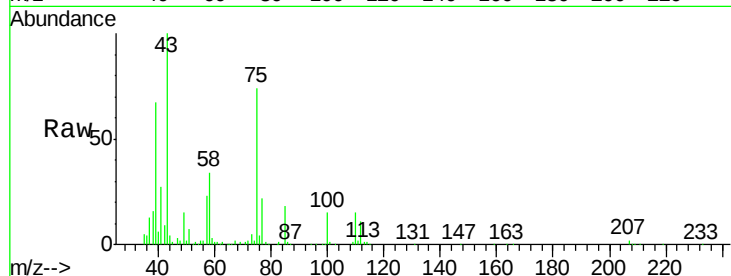
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 102084

Ion Ratio Lower Upper

75 100

77 30.3 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.41

50000

40000

30000

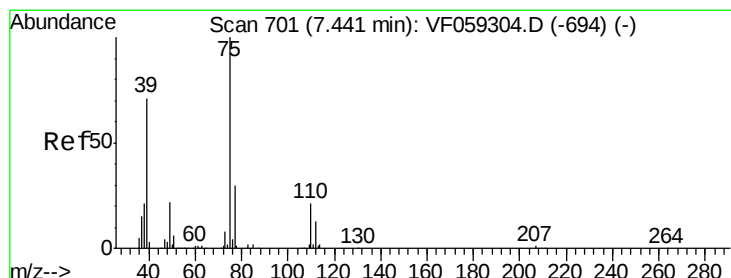
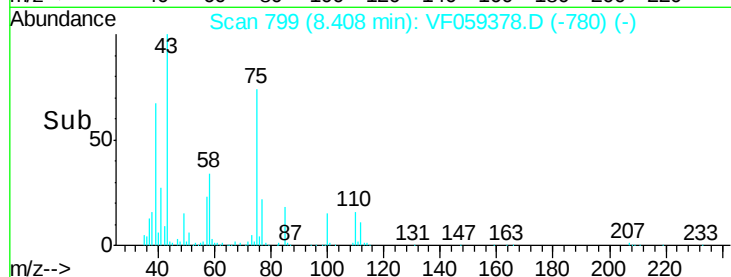
20000

10000

0

Time-->

8.30 8.40 8.50 8.60



#54

cis-1,3-Dichloropropene

Concen: 21.010 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

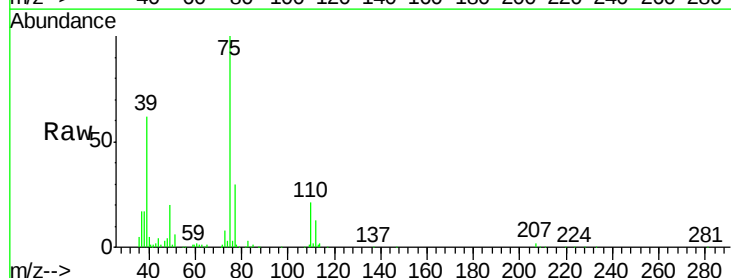
Tgt Ion: 75 Resp: 111134

Ion Ratio Lower Upper

75 100

77 29.9 24.3 36.5

39 62.4 57.2 85.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

60000

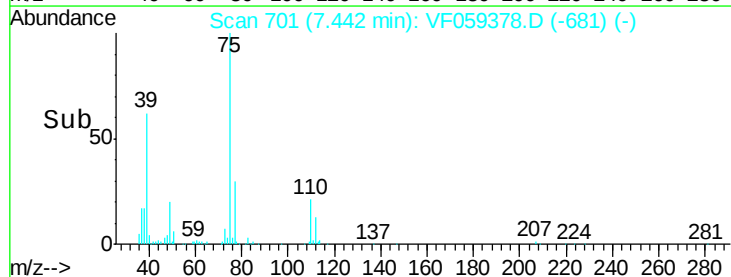
40000

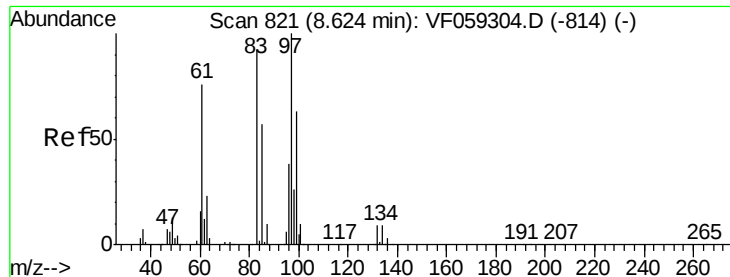
20000

0

Time-->

7.30 7.40 7.50 7.60





#55

1,1,2-Trichloroethane

Concen: 21.089 ug/l

RT: 8.63 min Scan# 821

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 54530

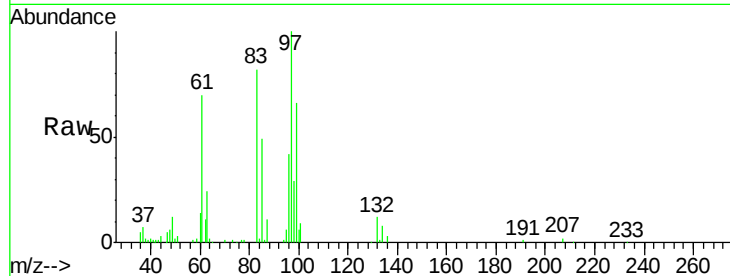
Ion Ratio Lower Upper

97 100

83 82.5 73.8 110.8

85 49.5 45.5 68.3

99 65.7 50.7 76.1

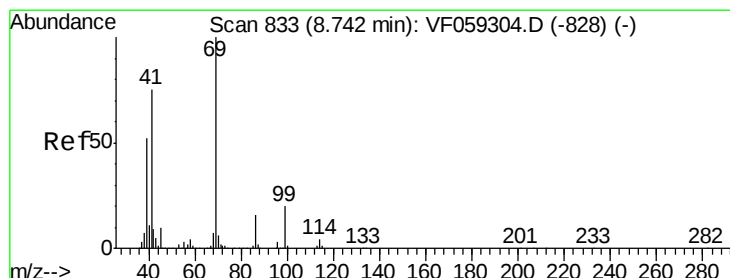
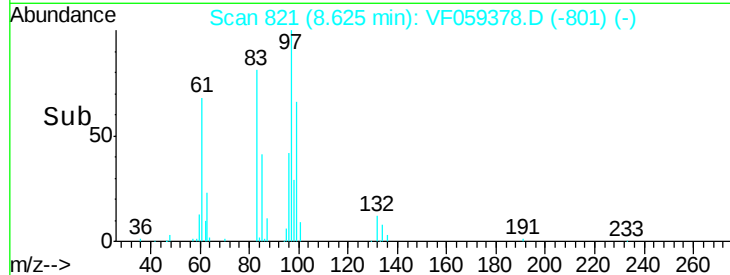
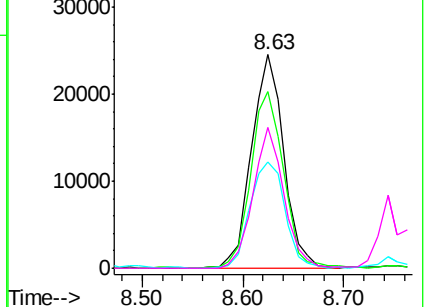


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 24.478 ug/l

RT: 8.74 min Scan# 833

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

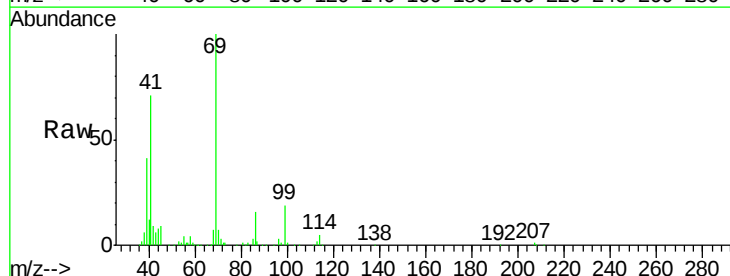
Tgt Ion: 69 Resp: 78404

Ion Ratio Lower Upper

69 100

41 71.3 60.3 90.5

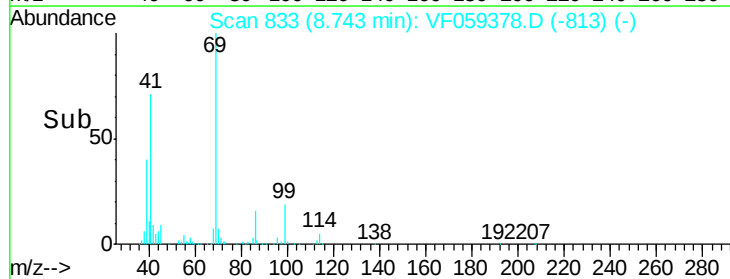
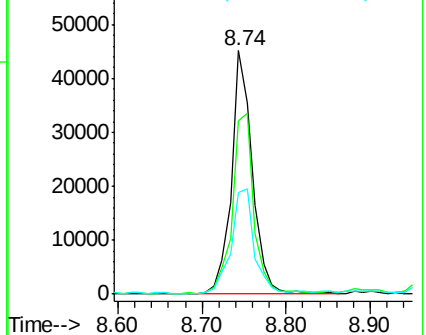
39 41.5 42.2 63.4#

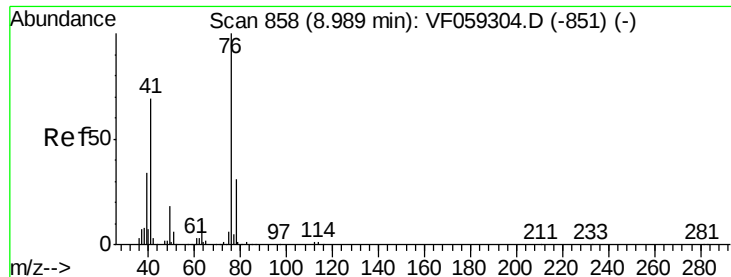


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.965 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

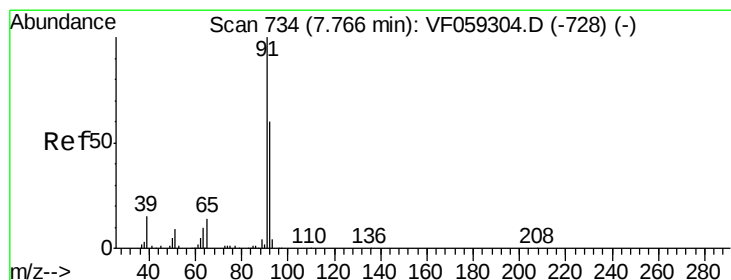
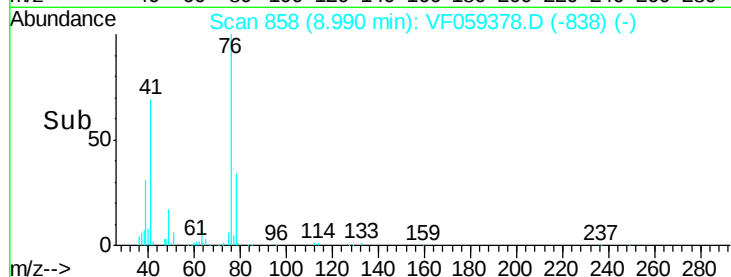
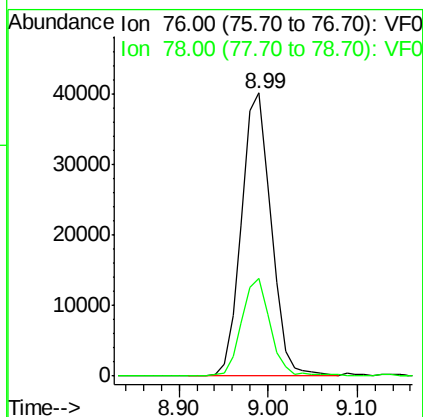
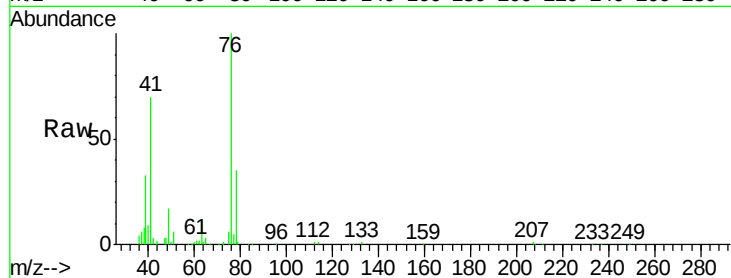
ClientSampleId :

Tot Ion: 76 Resp: 92969

Ion Ratio Lower Upper

76 100

78 34.6 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 105.538 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059378.D

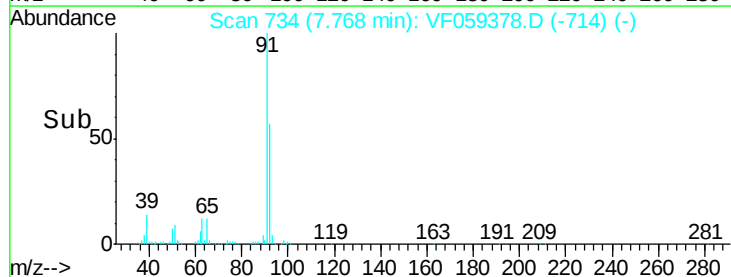
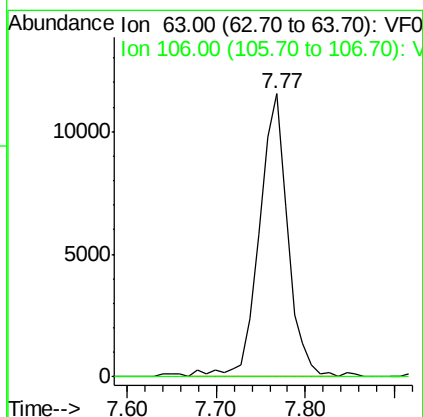
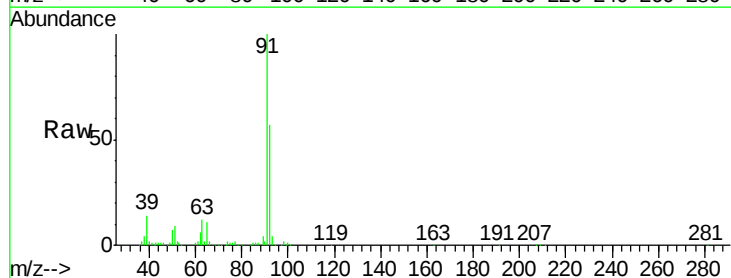
Acq: 29 Jun 2018 15:40

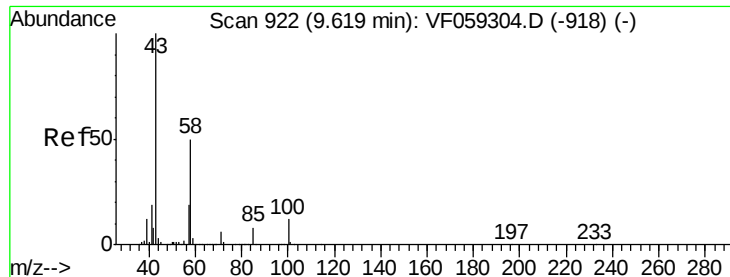
Tgt Ion: 63 Resp: 25353

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

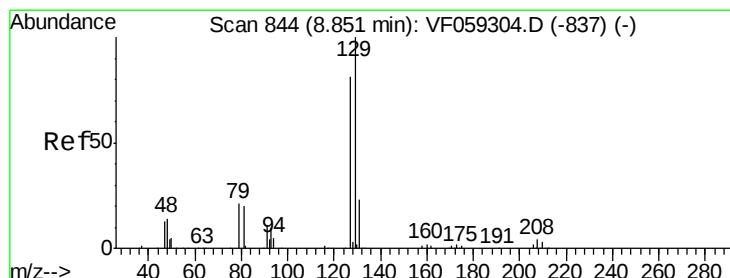
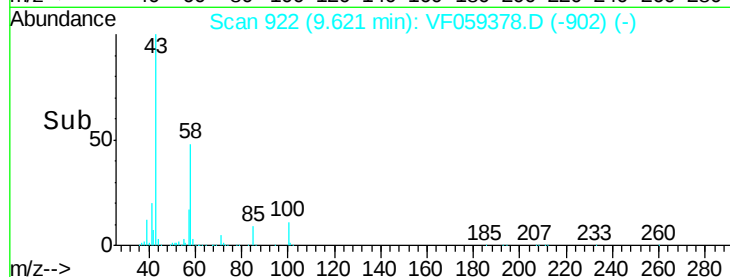
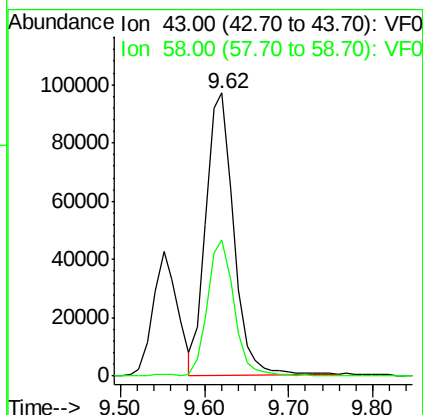
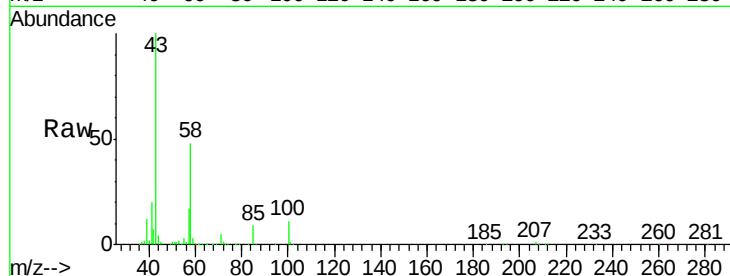




#59
2-Hexanone
Concen: 108.932 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF059378.D
Acq: 29 Jun 2018 15:40

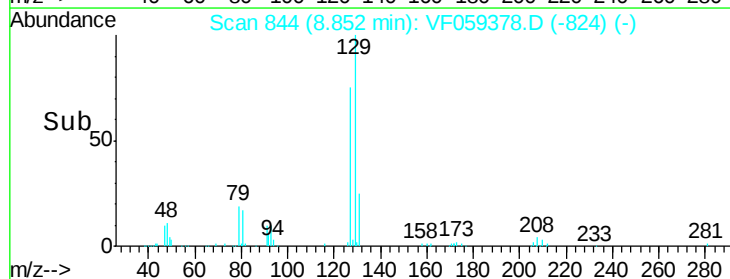
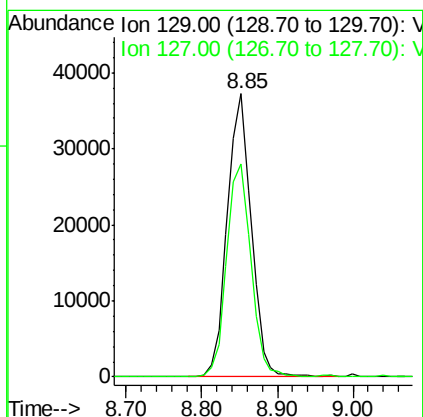
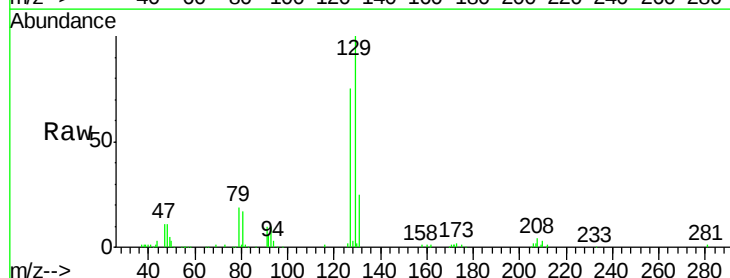
Instrument :
MSVOA_F
ClientSampleId :

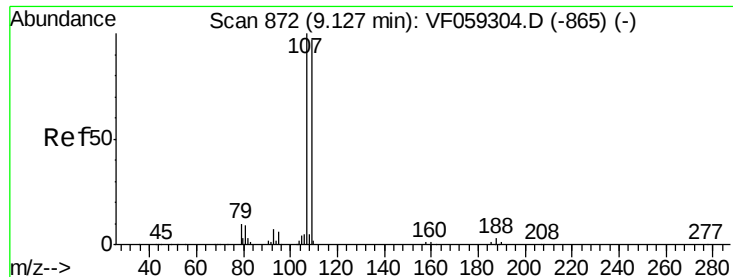
Tot Ion: 43 Resp: 220451
Ion Ratio Lower Upper
43 100
58 48.3 23.3 69.9



#60
Dibromochloromethane
Concen: 20.532 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF059378.D
Acq: 29 Jun 2018 15:40

Tgt Ion: 129 Resp: 81960
Ion Ratio Lower Upper
129 100
127 75.2 40.7 122.1





#61

1,2-Dibromoethane

Concen: 20.872 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

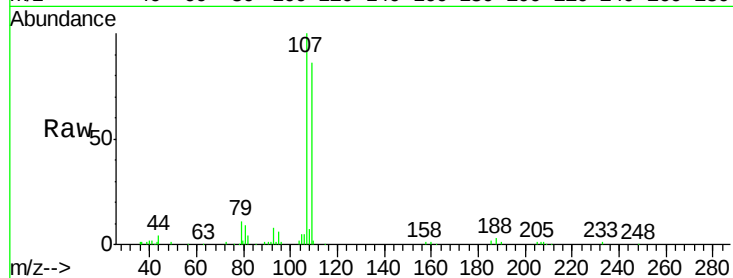
ClientSampleId :

Tot Ion:107 Resp: 65450

Ion Ratio Lower Upper

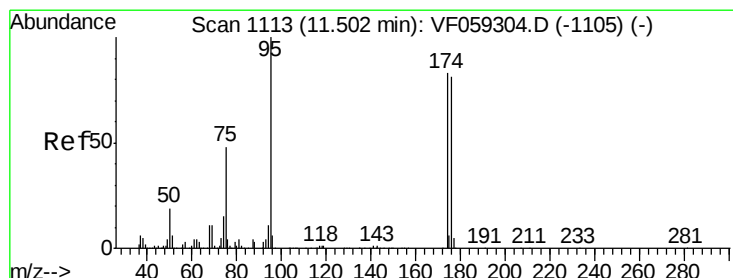
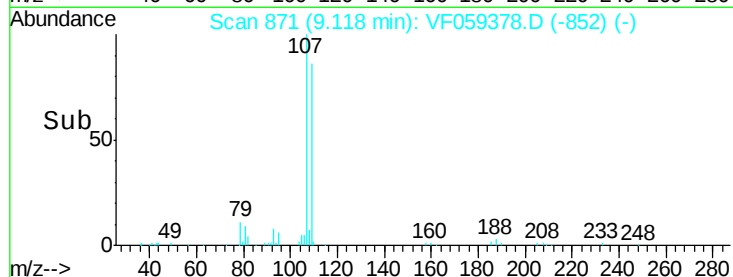
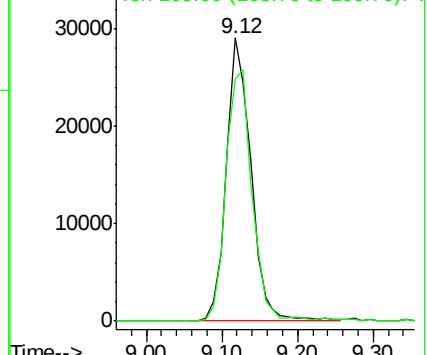
107 100

109 85.6 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: 43.480 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

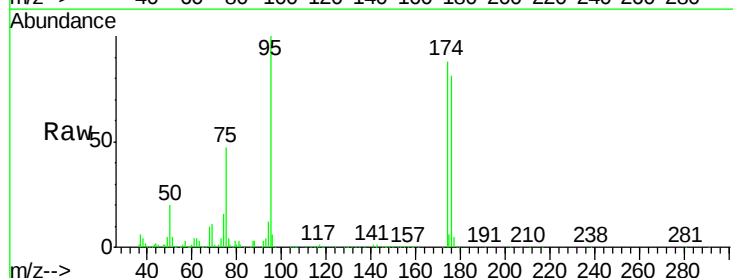
Tgt Ion: 95 Resp: 203875

Ion Ratio Lower Upper

95 100

174 87.9 0.0 165.2

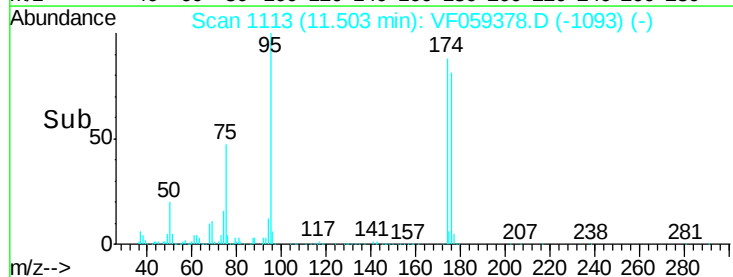
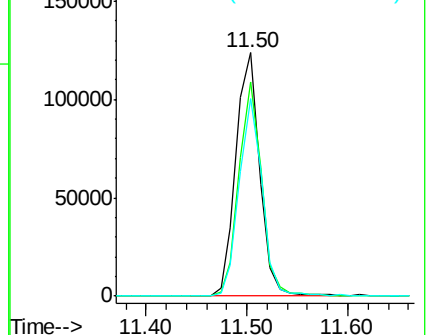
176 81.2 0.0 161.0

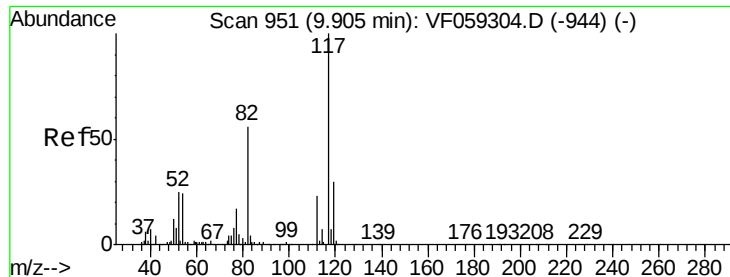


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

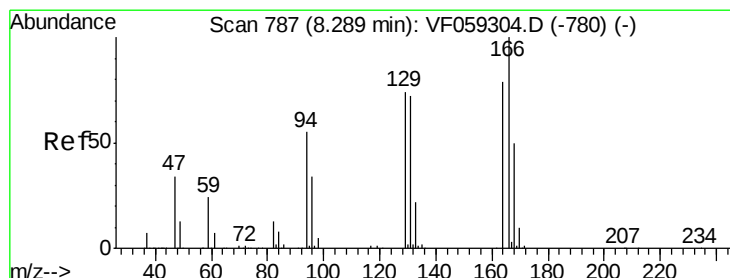
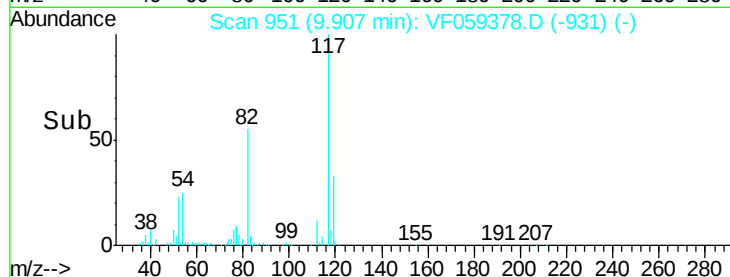
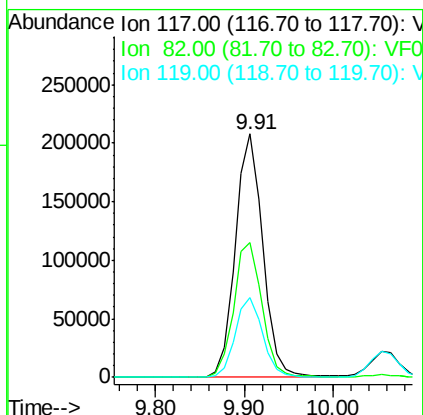
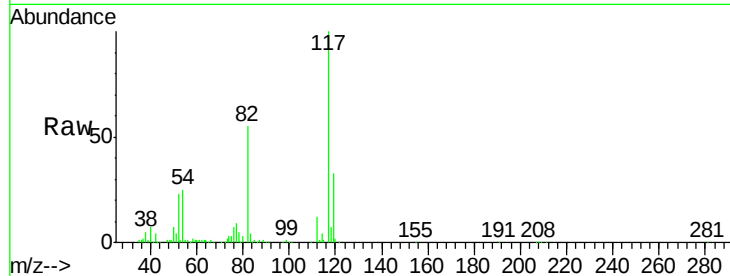




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.00 min
Lab File: VF059378.D
Acq: 29 Jun 2018 15:40

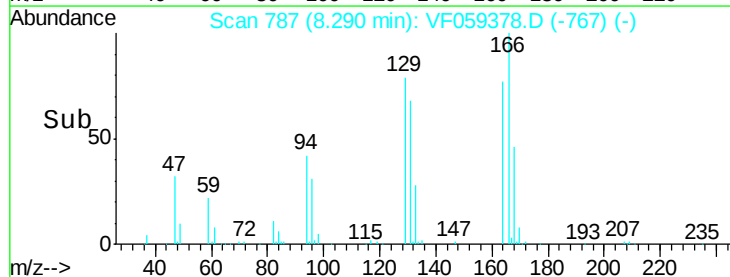
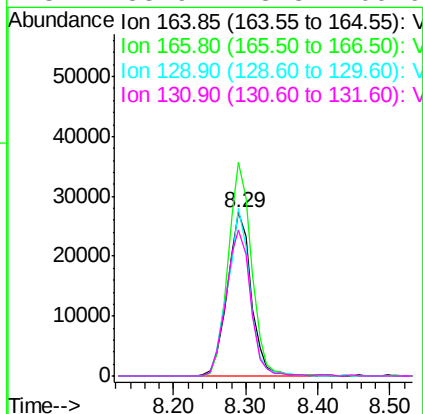
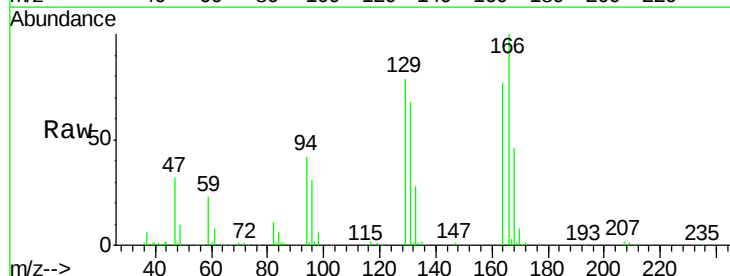
Instrument :
MSVOA_F
ClientSampled :

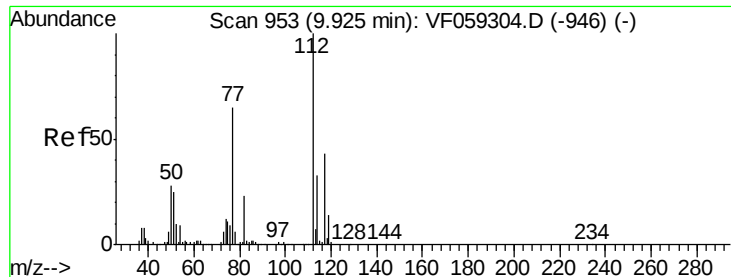
Tot Ion:117 Resp: 448225
Ion Ratio Lower Upper
117 100
82 55.2 44.6 66.8
119 32.6 24.1 36.1



#64
Tetrachloroethene
Concen: 21.576 ug/l
RT: 8.29 min Scan# 787
Delta R.T. 0.00 min
Lab File: VF059378.D
Acq: 29 Jun 2018 15:40

Tgt Ion:164 Resp: 62724
Ion Ratio Lower Upper
164 100
166 130.4 101.1 151.7
129 102.5 75.0 112.4
131 88.9 73.3 109.9

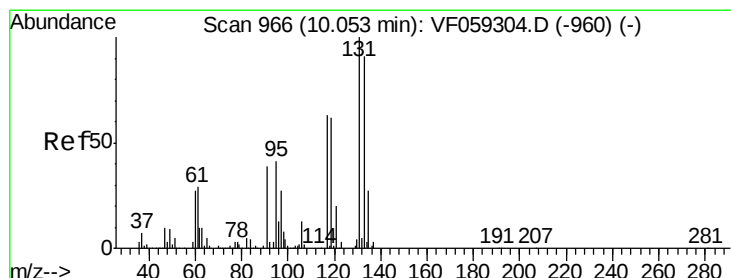
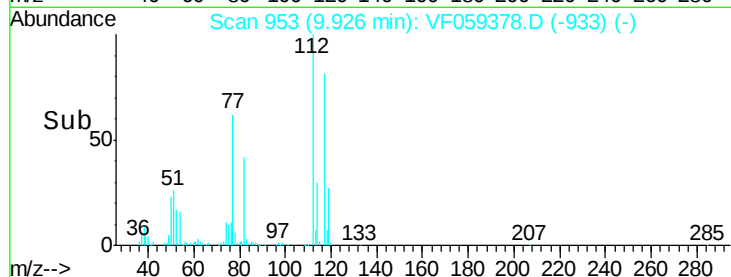
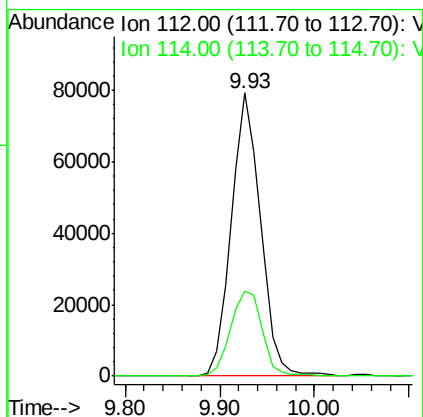
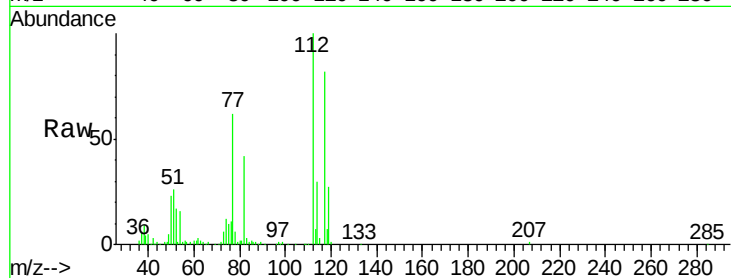




#65
Chlorobenzene
Concen: 20.379 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059378.D
Acq: 29 Jun 2018 15:40

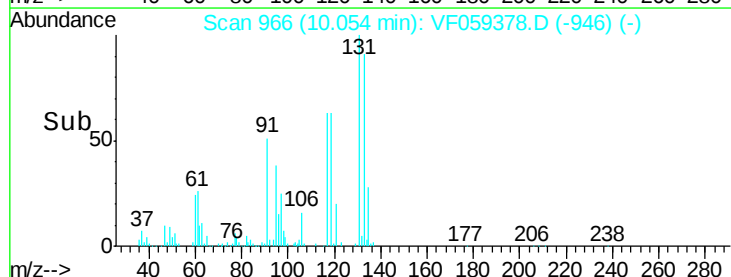
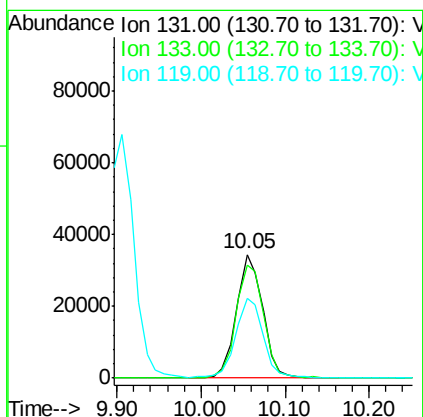
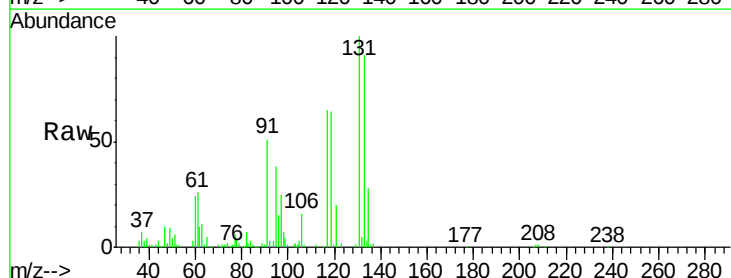
Instrument :
MSVOA_F
ClientSampleId :

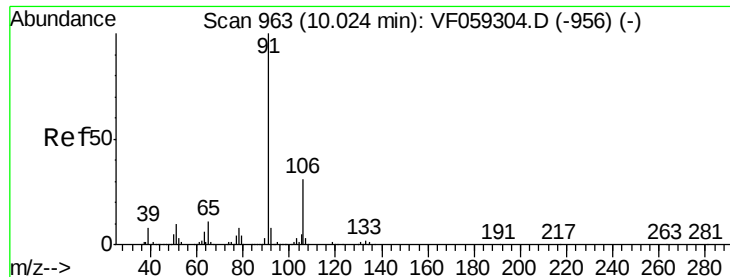
Tot Ion:112 Resp: 169257
Ion Ratio Lower Upper
112 100
114 30.2 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.786 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.00 min
Lab File: VF059378.D
Acq: 29 Jun 2018 15:40

Tgt Ion:131 Resp: 74667
Ion Ratio Lower Upper
131 100
133 91.3 45.3 135.9
119 64.8 31.3 93.9





#67

Ethyl Benzene

Concen: 19.928 ug/l

RT: 10.02 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

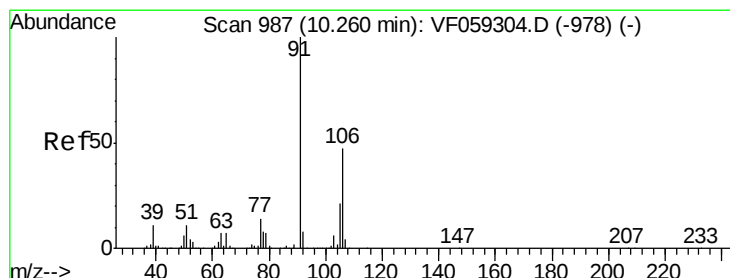
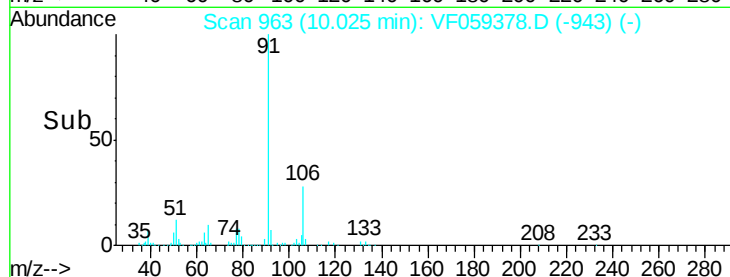
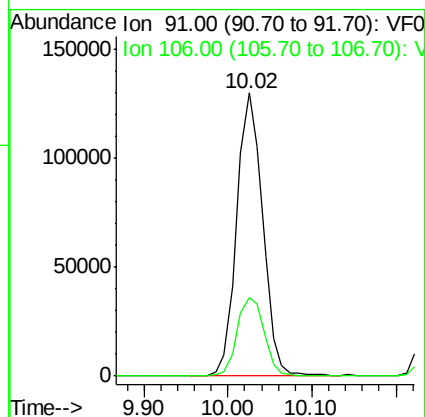
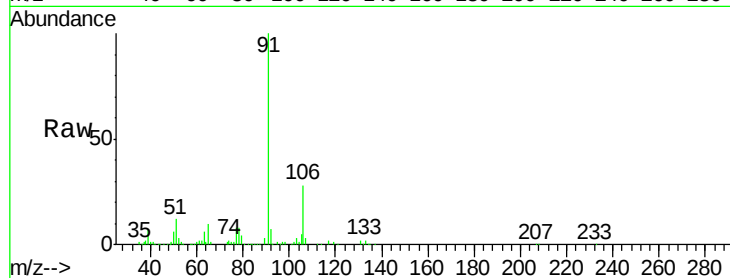
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 280784

Ion Ratio Lower Upper

91 100

106 27.8 24.8 37.2



#68

m/p-Xylenes

Concen: 43.021 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059378.D

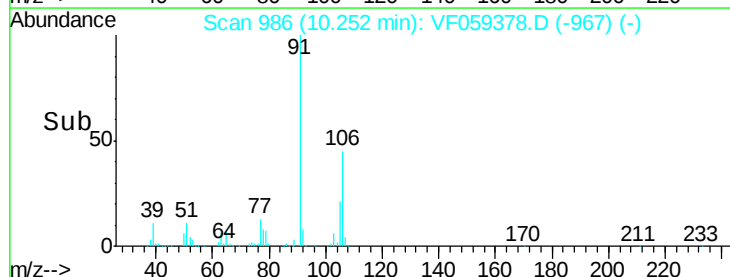
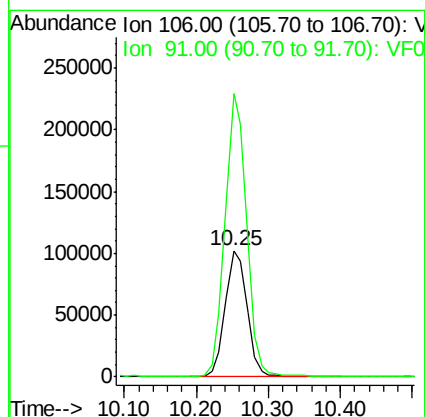
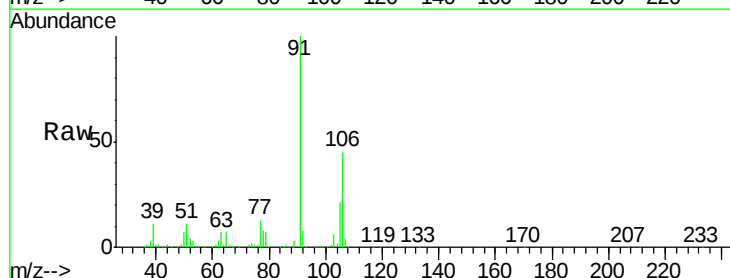
Acq: 29 Jun 2018 15:40

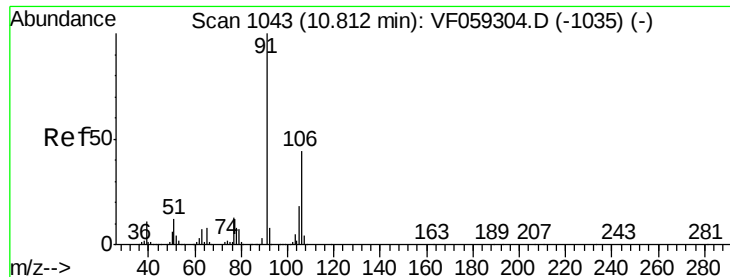
Tgt Ion: 106 Resp: 215751

Ion Ratio Lower Upper

106 100

91 224.4 170.8 256.2

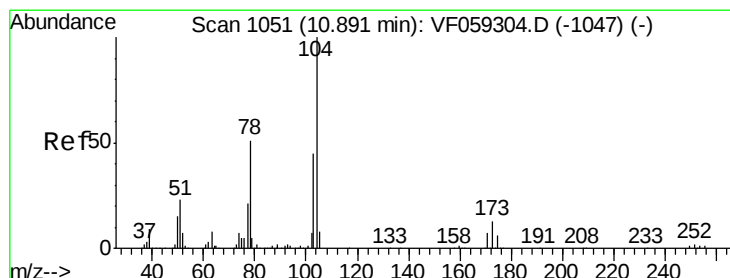
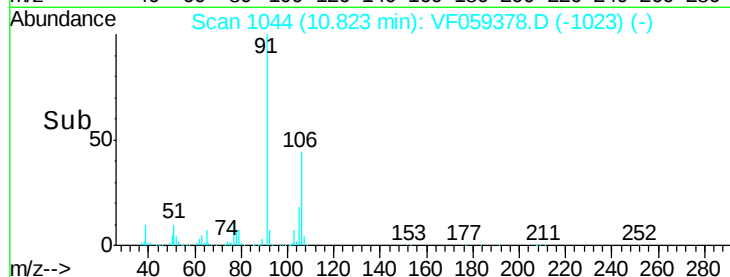
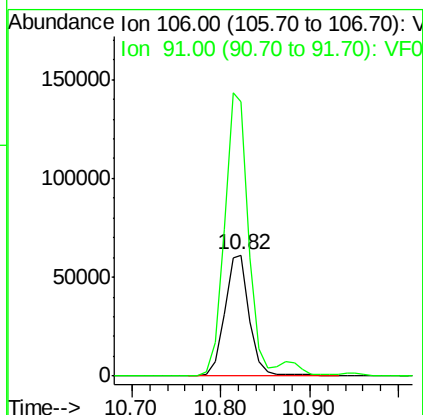
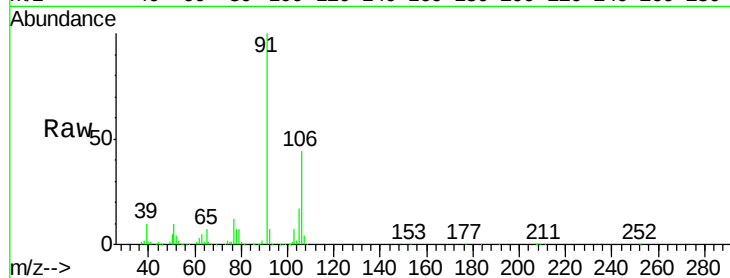




#69
o-Xylene
Concen: 21.173 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059378.D
Acq: 29 Jun 2018 15:40

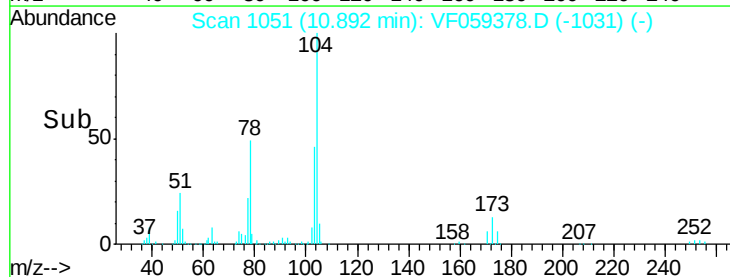
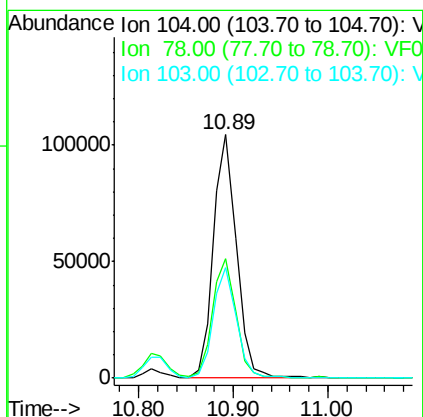
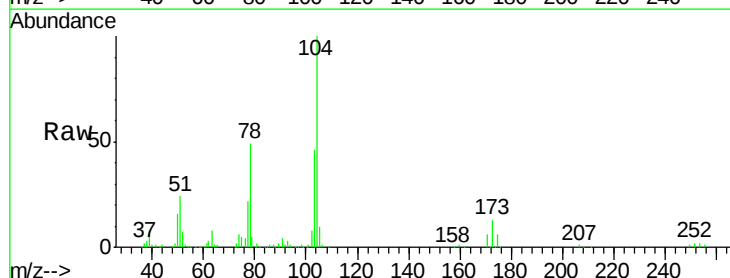
Instrument :
MSVOA_F
ClientSampleId :

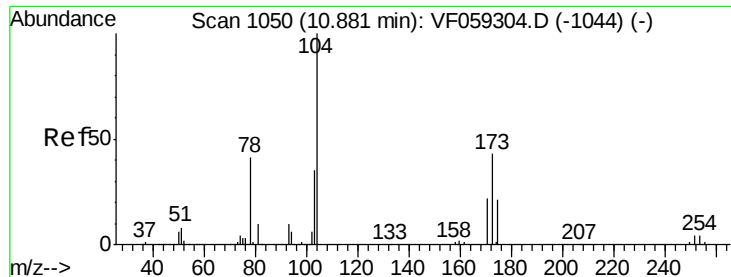
Tot Ion:106 Resp: 118770
Ion Ratio Lower Upper
106 100
91 226.9 114.6 343.6



#70
Styrene
Concen: 20.729 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059378.D
Acq: 29 Jun 2018 15:40

Tgt Ion:104 Resp: 177125
Ion Ratio Lower Upper
104 100
78 49.0 40.9 61.3
103 45.5 36.5 54.7





#71

Bromoform

Concen: 19.740 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

ClientSampleId :

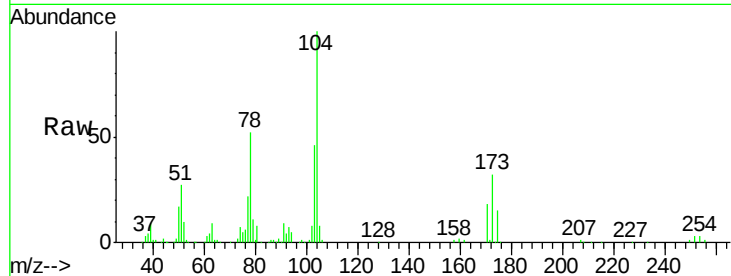
Tot Ion:173 Resp: 48604

Ion Ratio Lower Upper

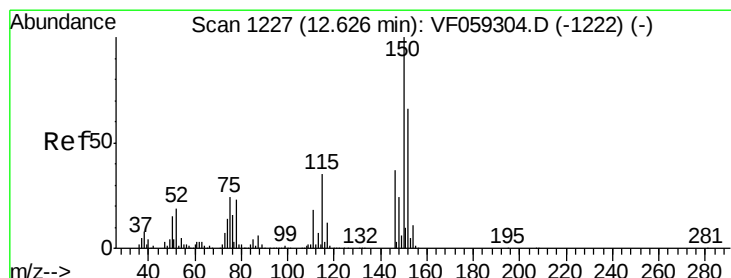
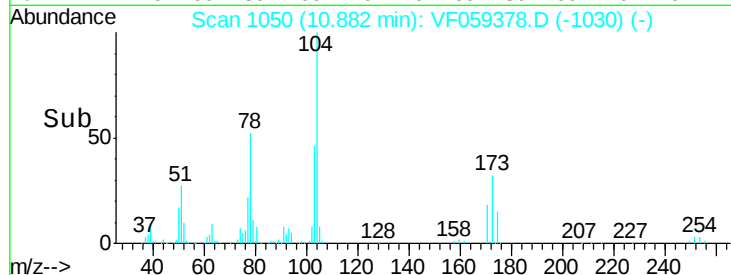
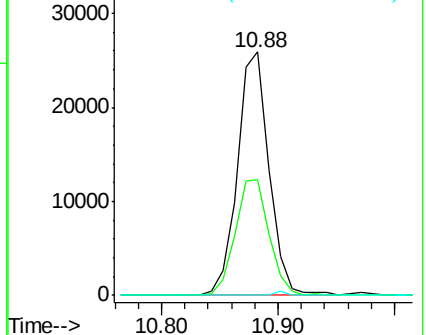
173 100

175 46.8 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: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

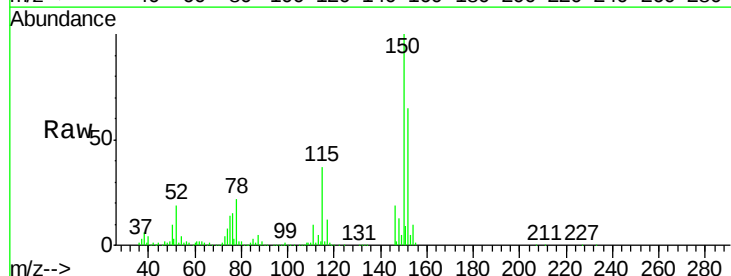
Tgt Ion:152 Resp: 268660

Ion Ratio Lower Upper

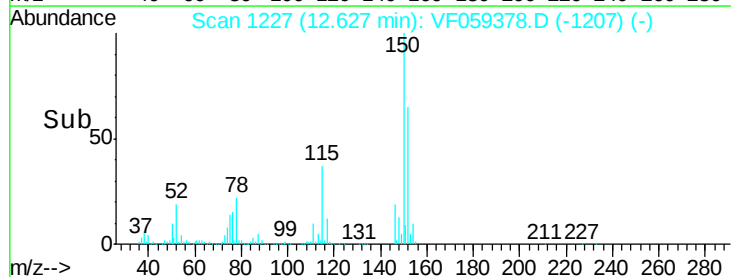
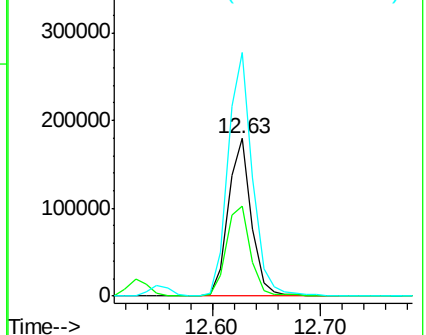
152 100

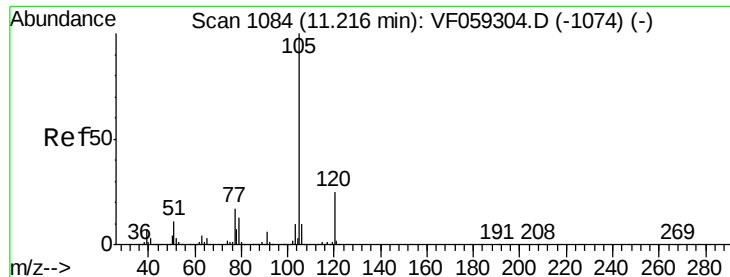
115 57.2 27.1 81.3

150 154.6 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: 23.026 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

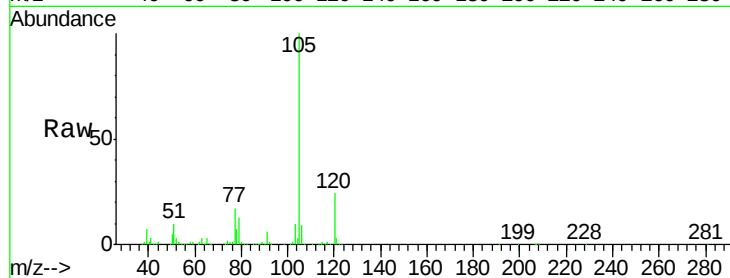
ClientSampleId :

Tot Ion:105 Resp: 360391

Ion Ratio Lower Upper

105 100

120 24.4 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

250000

200000

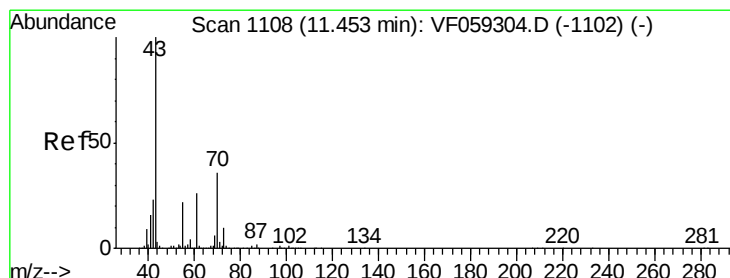
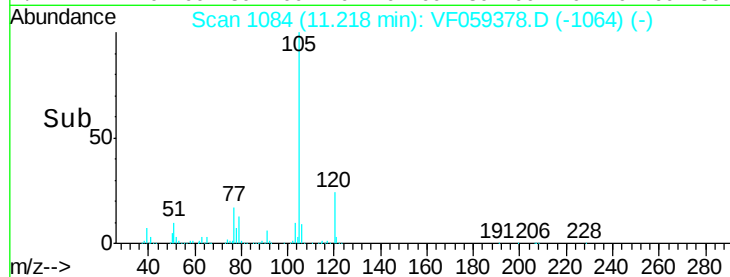
150000

100000

50000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 22.194 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Tgt Ion: 43 Resp: 126054

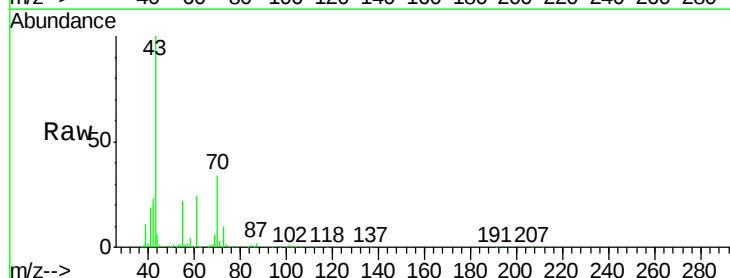
Ion Ratio Lower Upper

43 100

70 34.3 28.8 43.2

55 21.6 17.4 26.0

61 24.4 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

120000

100000

80000

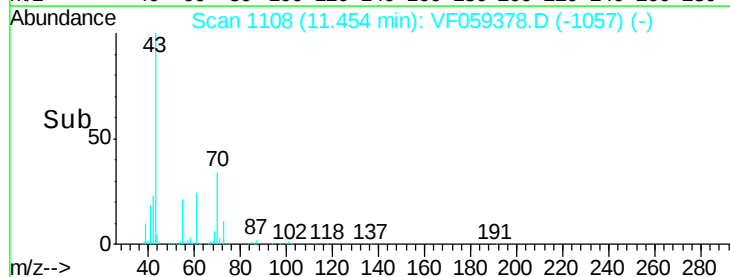
60000

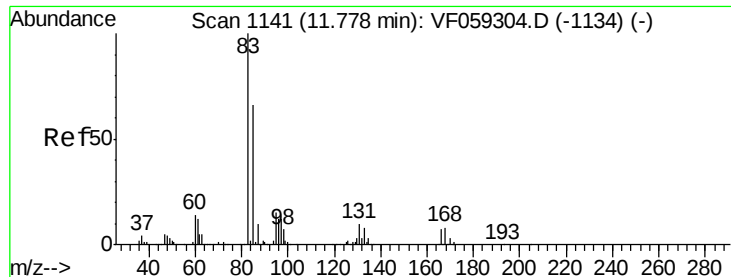
40000

20000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 21.012 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

ClientSampleId :

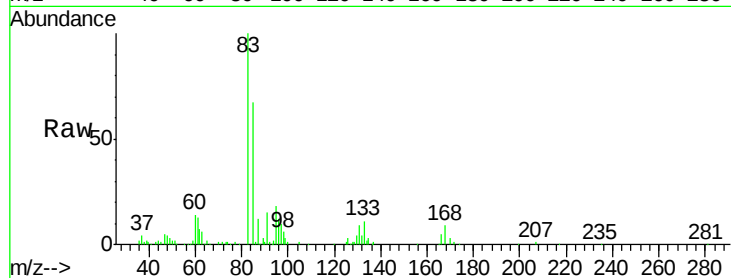
Tot Ion: 83 Resp: 83055

Ion Ratio Lower Upper

83 100

131 9.0 4.9 14.6

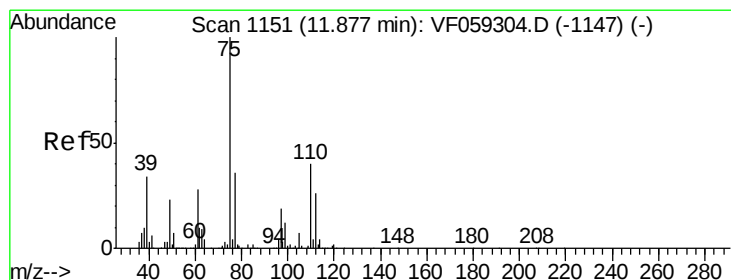
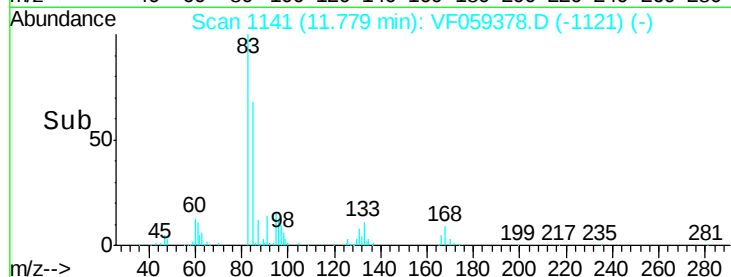
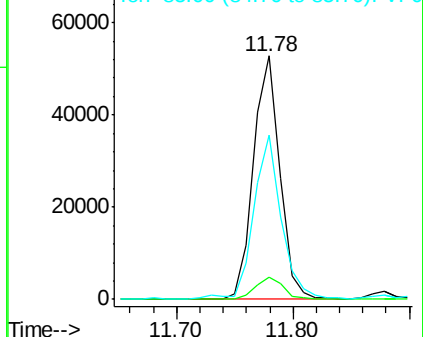
85 67.3 32.8 98.4



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: 20.969 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF059378.D

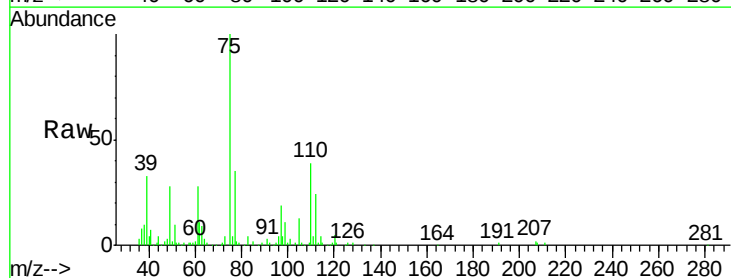
Acq: 29 Jun 2018 15:40

Tgt Ion: 75 Resp: 62523

Ion Ratio Lower Upper

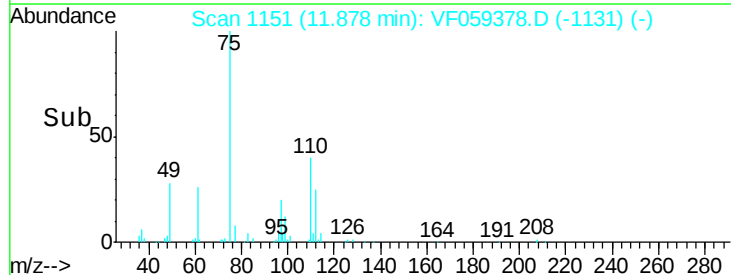
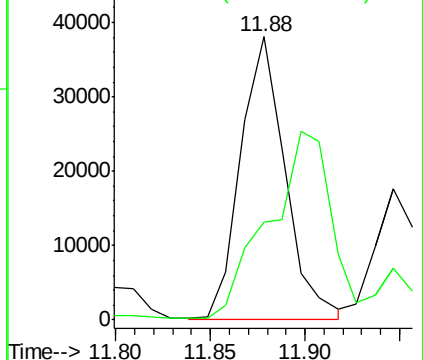
75 100

77 34.7 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: 21.158 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

ClientSampleId :

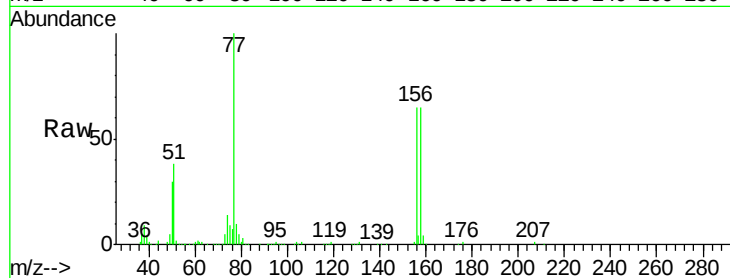
Tot Ion:156 Resp: 91875

Ion Ratio Lower Upper

156 100

77 154.7 79.7 238.9

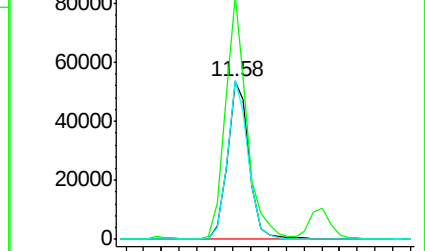
158 101.2 46.2 138.6



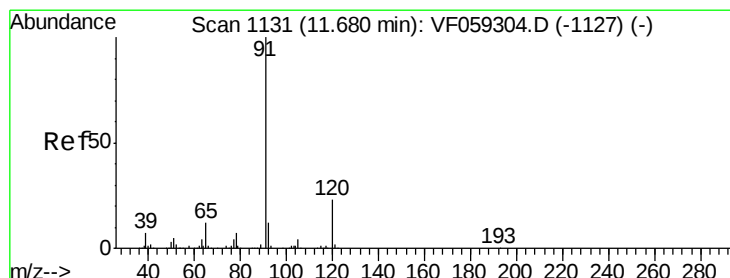
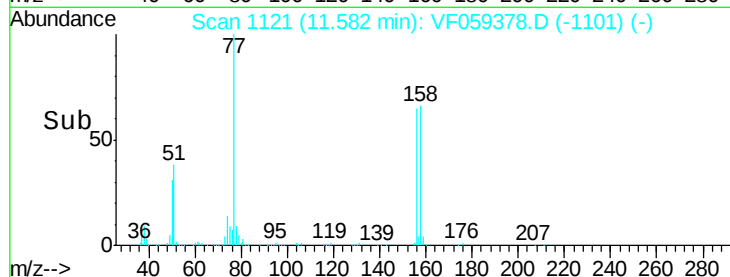
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



Time-->



#78

n-propylbenzene

Concen: 21.369 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF059378.D

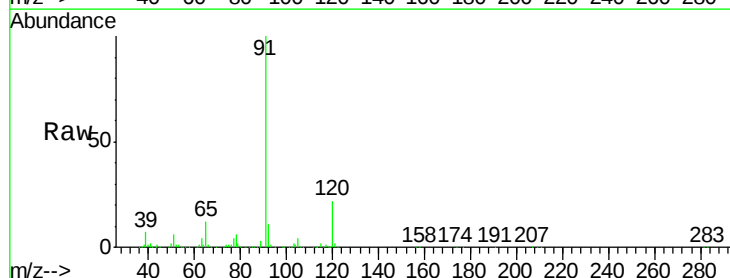
Acq: 29 Jun 2018 15:40

Tgt Ion: 91 Resp: 401669

Ion Ratio Lower Upper

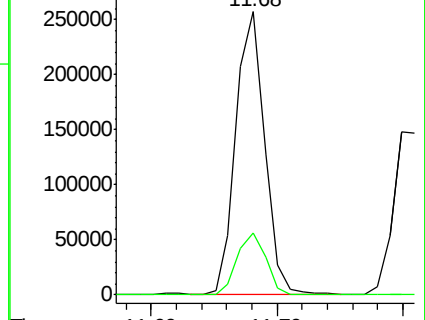
91 100

120 21.9 11.7 35.0

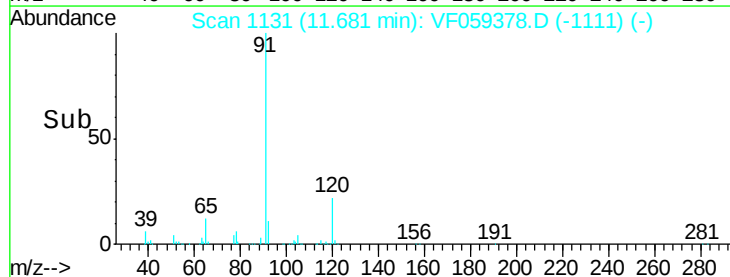


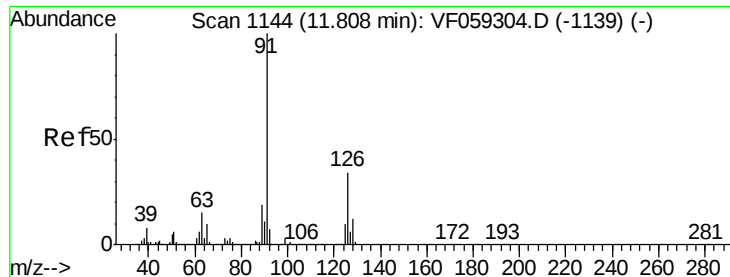
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 21.793 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

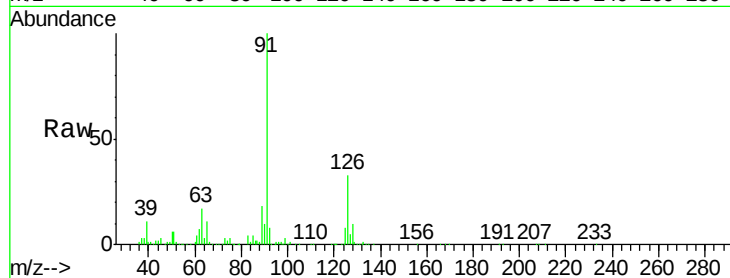
ClientSampleId :

Tot Ion: 91 Resp: 250267

Ion Ratio Lower Upper

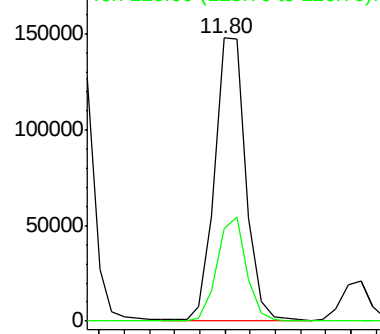
91 100

126 32.6 17.2 51.5

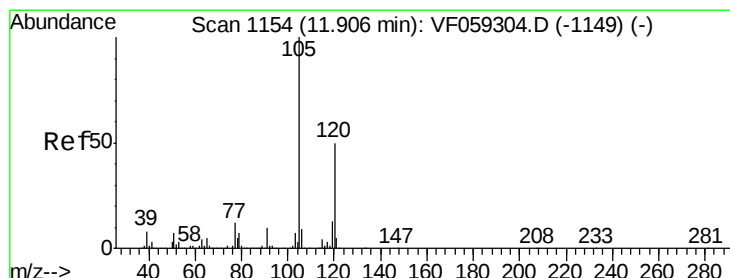
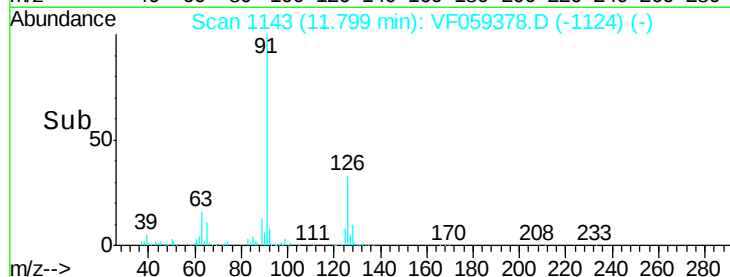


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.938 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059378.D

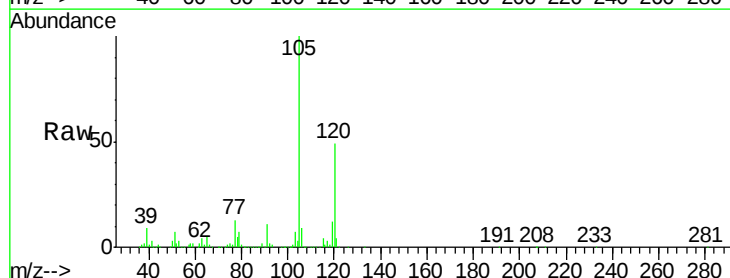
Acq: 29 Jun 2018 15:40

Tgt Ion: 105 Resp: 300774

Ion Ratio Lower Upper

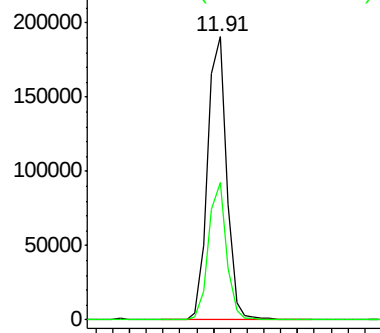
105 100

120 48.7 24.9 74.7

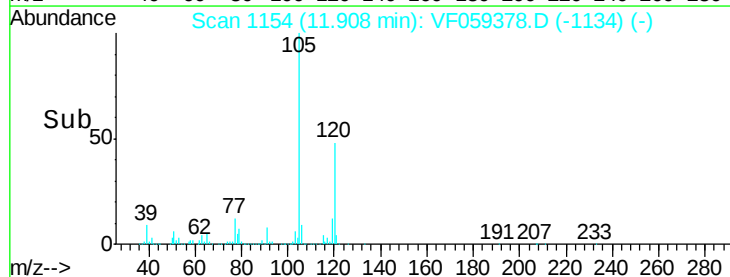


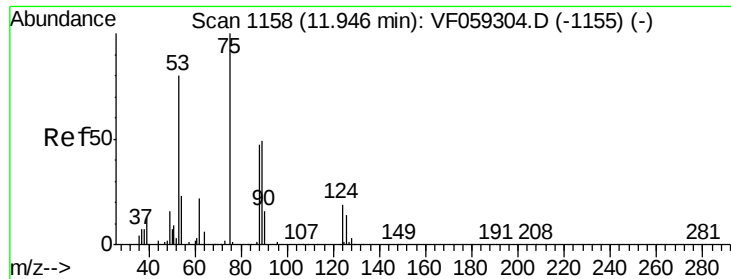
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->

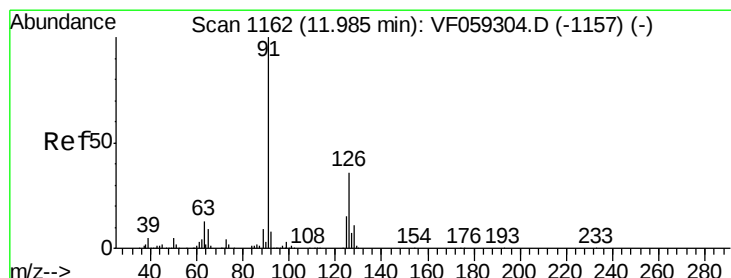
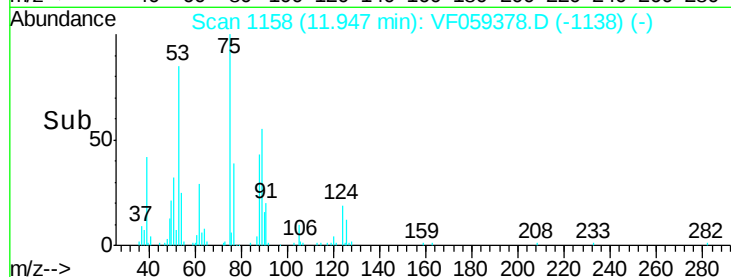
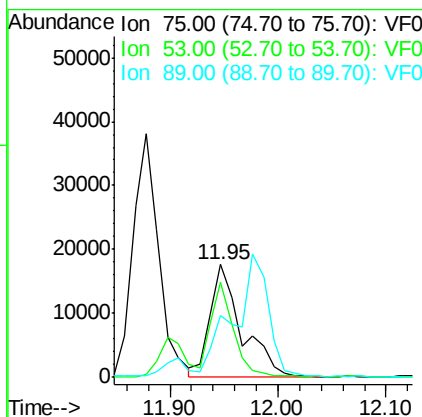
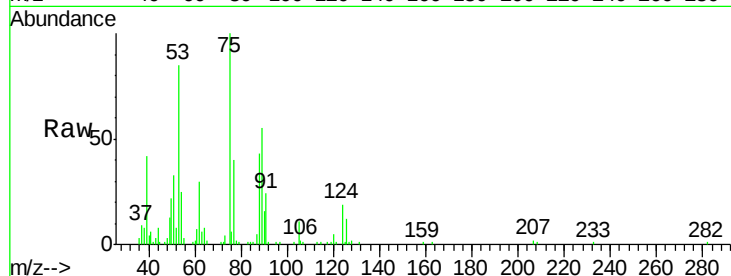




#81
trans-1,4-Dichloro-2-butene
Concen: 20.392 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. 0.00 min
Lab File: VF059378.D
Acq: 29 Jun 2018 15:40

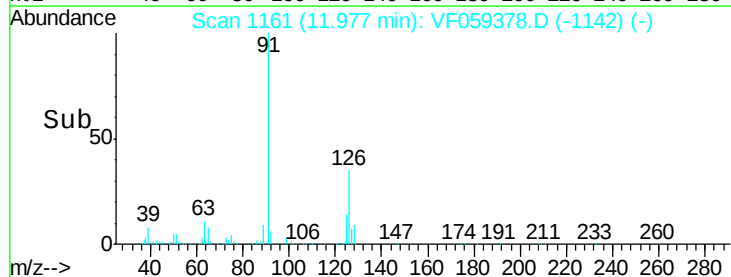
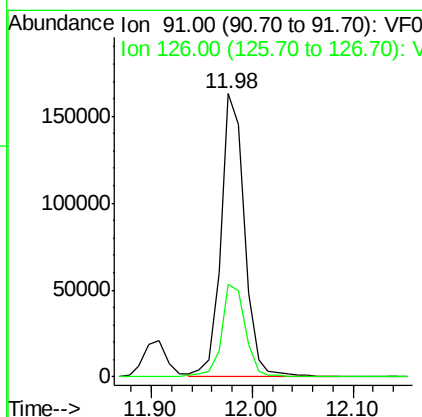
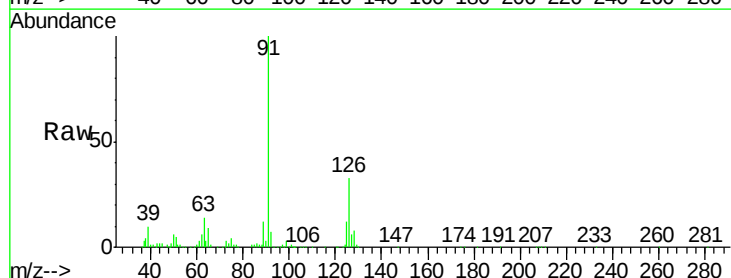
Instrument :
MSVOA_F
ClientSampleId :

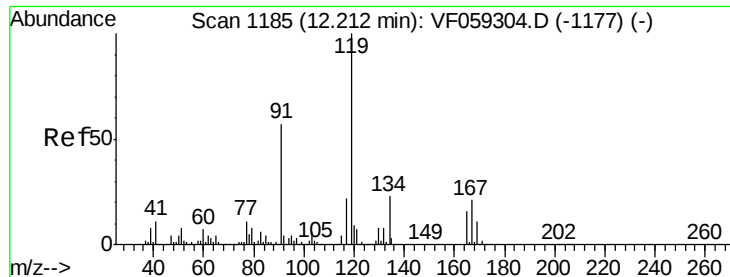
Tot Ion: 75 Resp: 36190
Ion Ratio Lower Upper
75 100
53 84.9 68.8 103.2
89 54.7 42.0 63.0



#82
4-Chlorotoluene
Concen: 21.472 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VF059378.D
Acq: 29 Jun 2018 15:40

Tgt Ion: 91 Resp: 264119
Ion Ratio Lower Upper
91 100
126 32.9 18.2 54.6

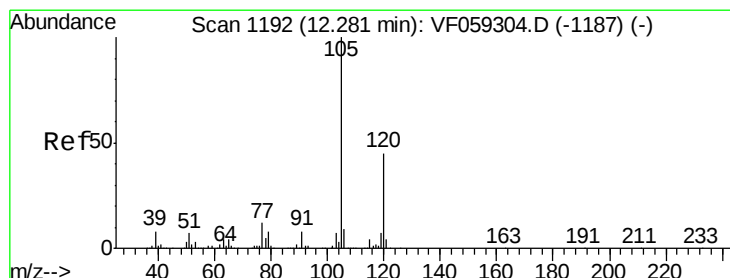
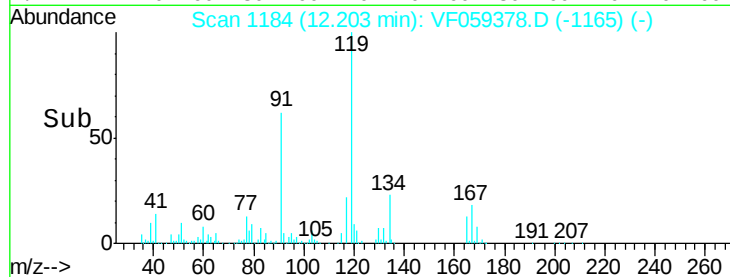
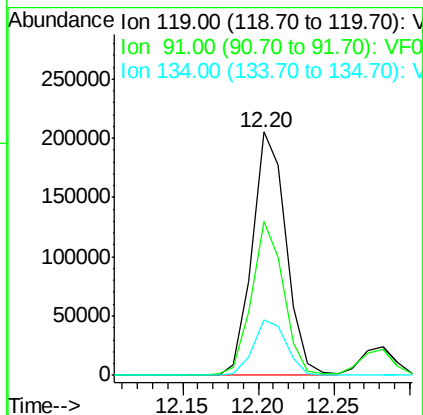
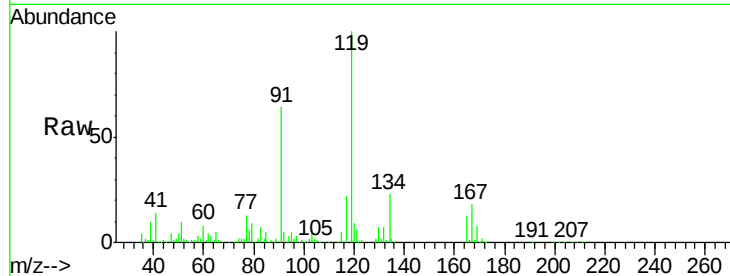




#83
tert-Butylbenzene
Concen: 23.361 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF059378.D
Acq: 29 Jun 2018 15:40

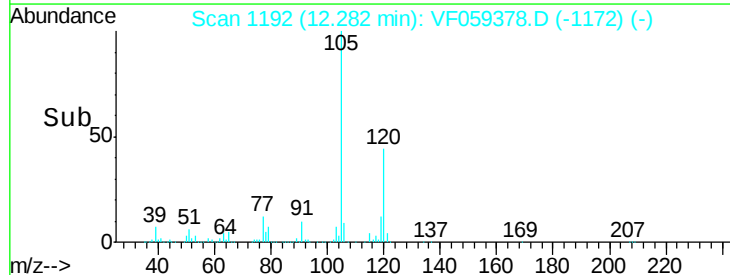
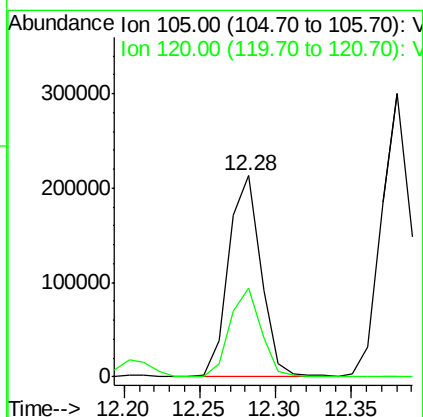
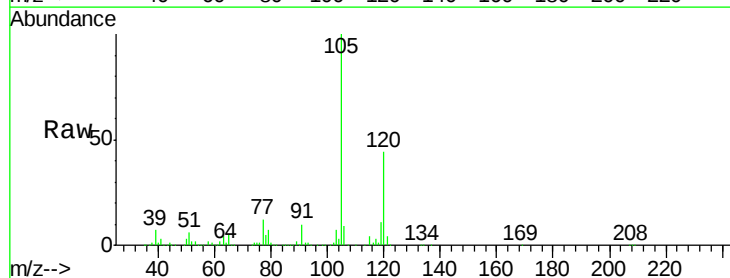
Instrument :
MSVOA_F
ClientSampleId :

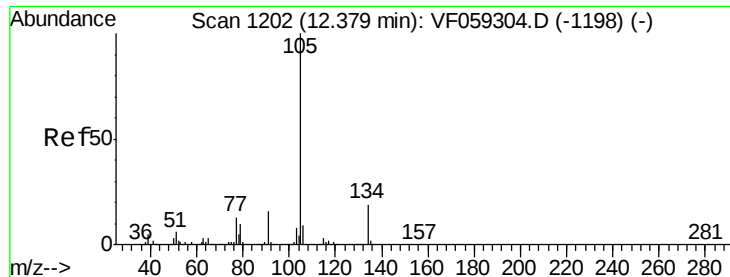
Tot Ion:119 Resp: 320334
Ion Ratio Lower Upper
119 100
91 63.5 28.4 85.2
134 22.7 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 22.063 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.00 min
Lab File: VF059378.D
Acq: 29 Jun 2018 15:40

Tgt Ion:105 Resp: 318569
Ion Ratio Lower Upper
105 100
120 44.3 22.8 68.4





#85

sec-Butylbenzene

Concen: 22.954 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

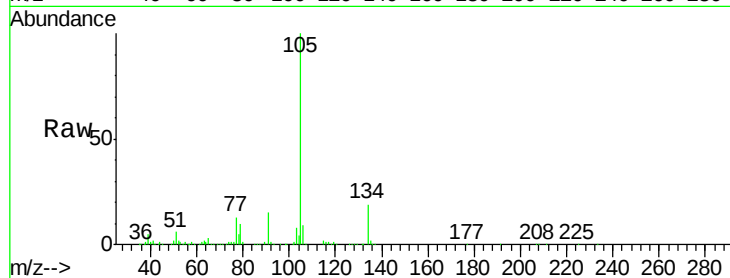
ClientSampleId :

Tot Ion:105 Resp: 417214

Ion Ratio Lower Upper

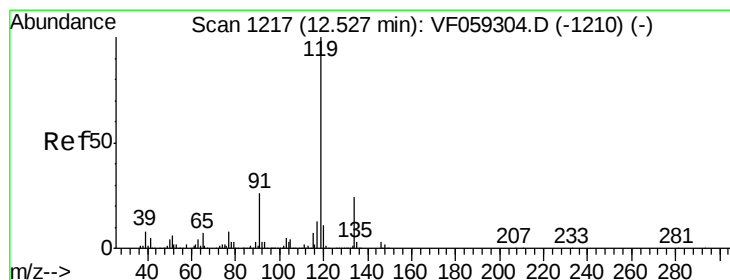
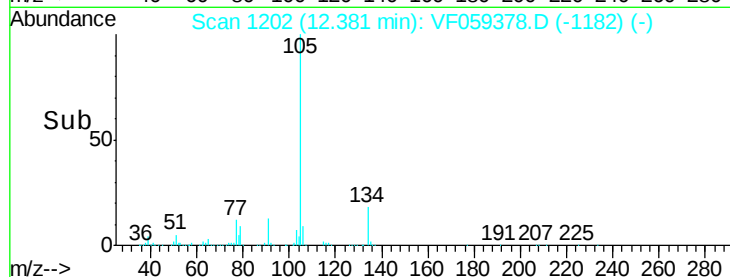
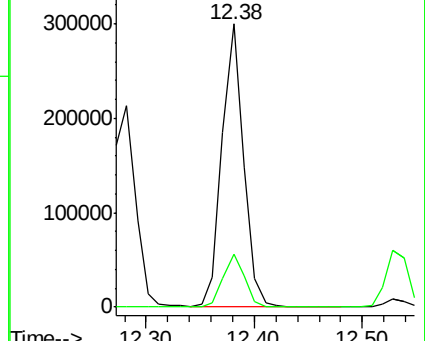
105 100

134 18.8 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: 22.871 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

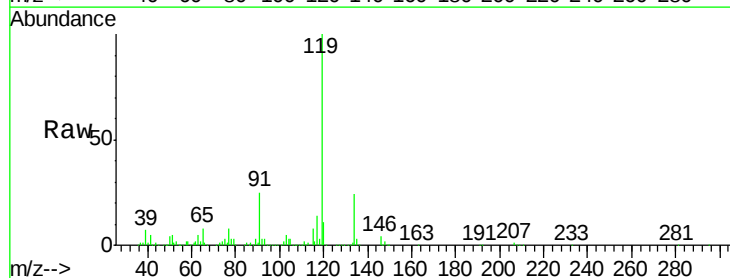
Tgt Ion:119 Resp: 348871

Ion Ratio Lower Upper

119 100

134 24.3 12.2 36.4

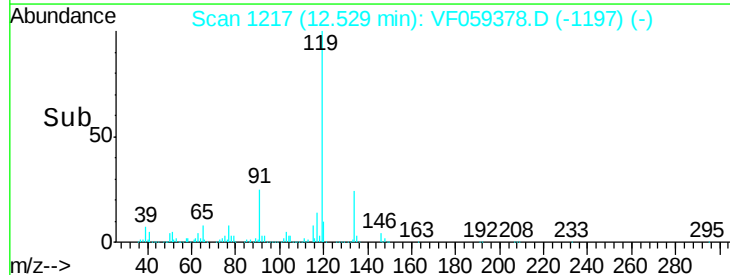
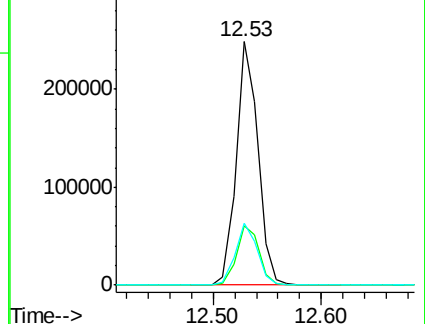
91 25.4 12.9 38.6

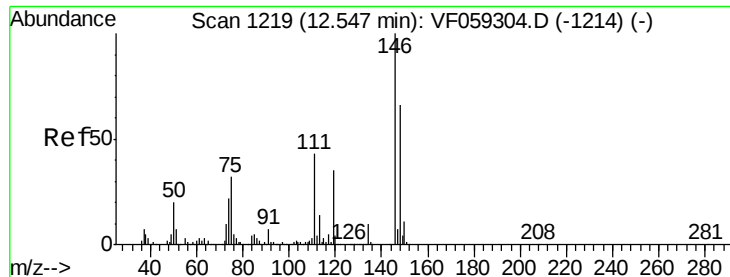


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

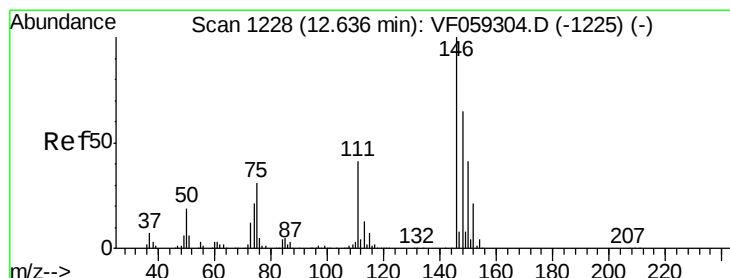
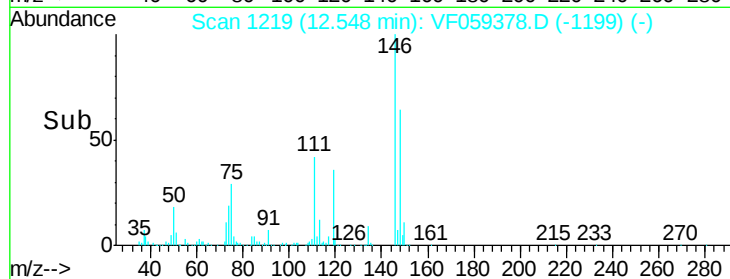
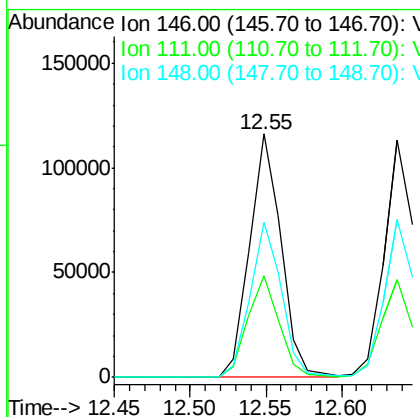
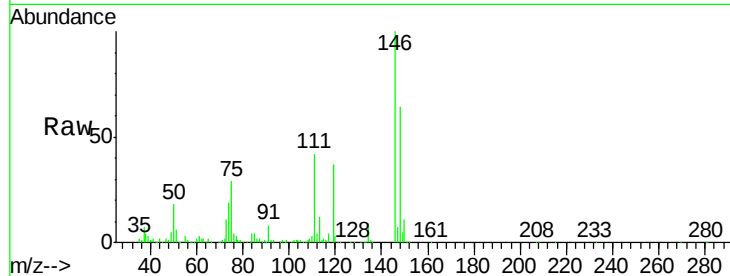




#87
 1,3-Dichlorobenzene
 Concen: 20.965 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059378.D
 Acq: 29 Jun 2018 15:40

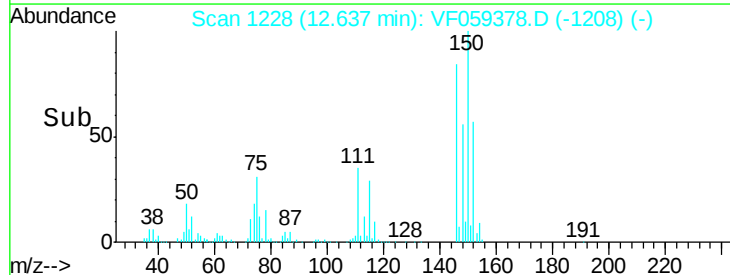
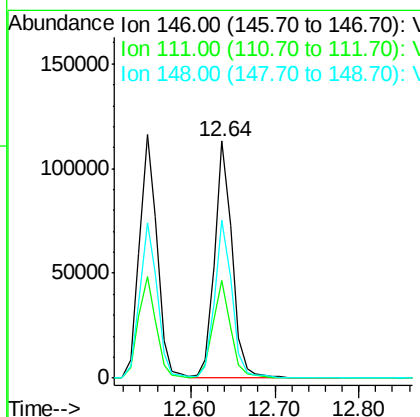
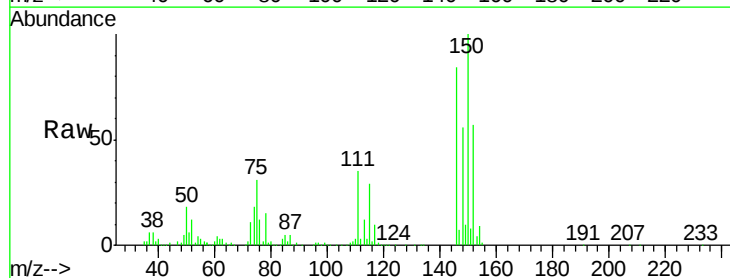
Instrument :
 MSVOA_F
 ClientSampled :

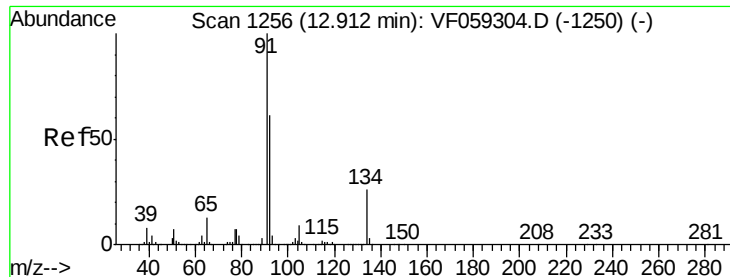
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.4	64.2
148	63.6	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 21.289 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF059378.D
 Acq: 29 Jun 2018 15:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	66.8	32.8	98.3





#89

n-Butylbenzene

Concen: 22.896 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

ClientSampleId :

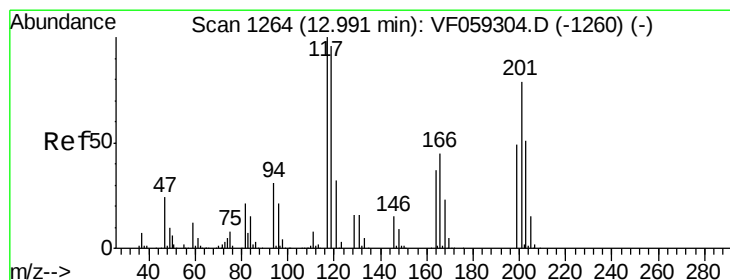
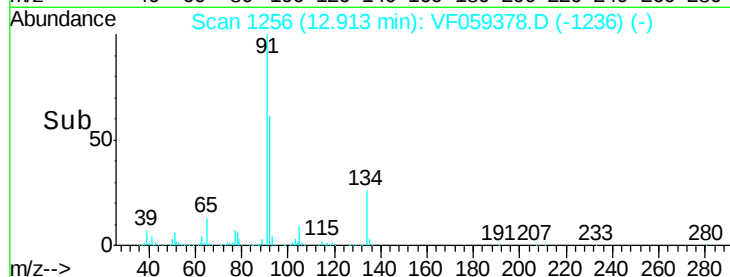
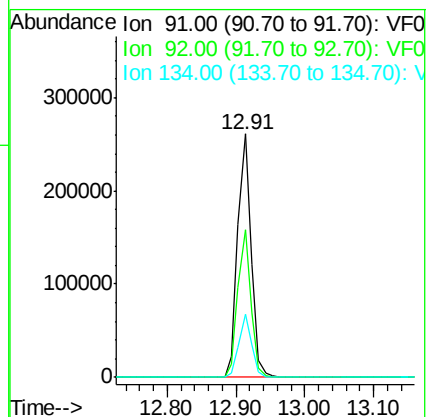
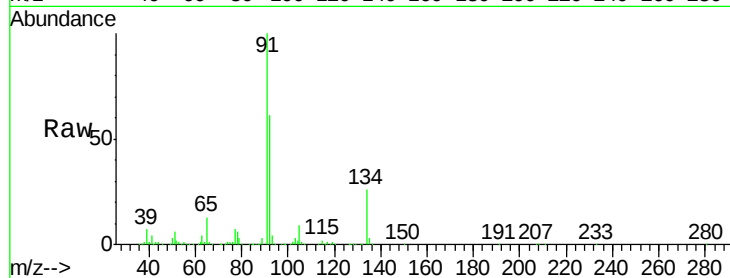
Tot Ion: 91 Resp: 354546

Ion Ratio Lower Upper

91 100

92 60.7 30.3 91.0

134 26.1 12.9 38.7



#90

Hexachloroethane

Concen: 21.900 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059378.D

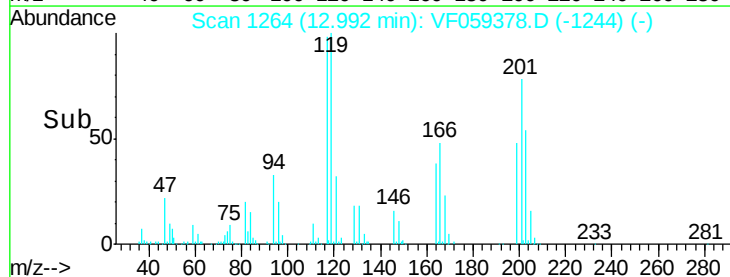
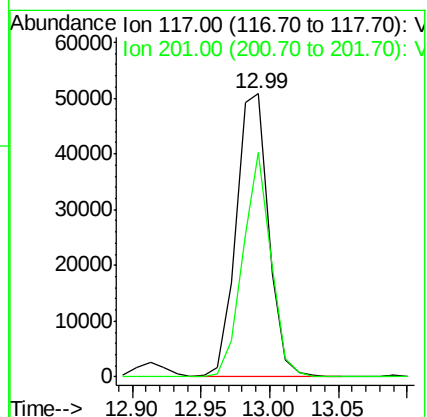
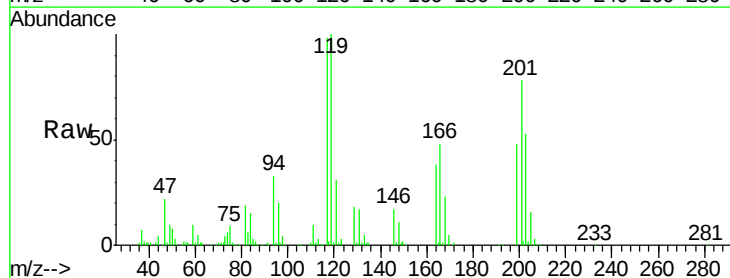
Acq: 29 Jun 2018 15:40

Tgt Ion: 117 Resp: 83260

Ion Ratio Lower Upper

117 100

201 79.3 39.5 118.5

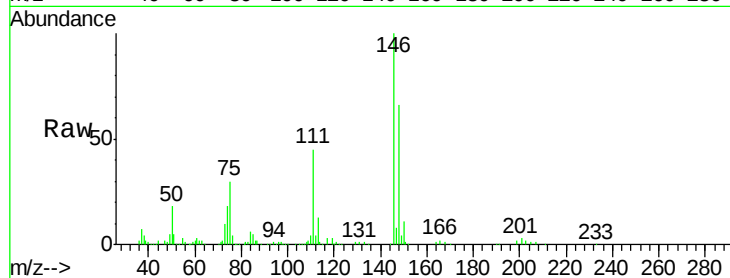




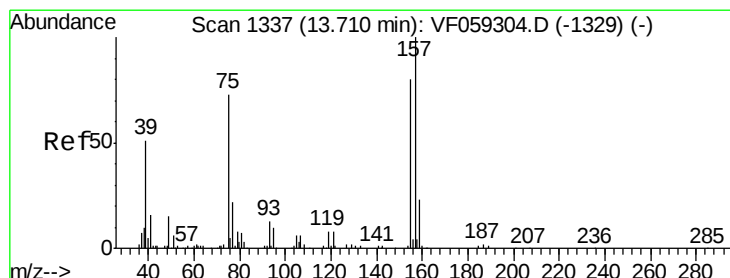
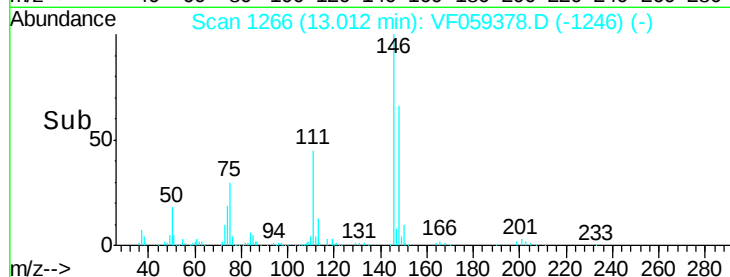
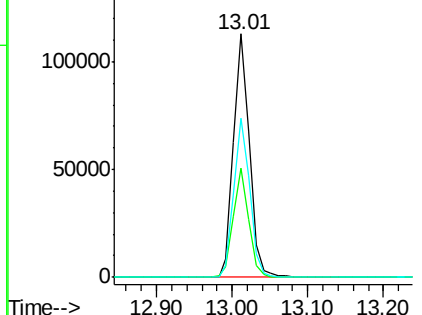
#91
 1,2-Dichlorobenzene
 Concen: 20.658 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF059378.D
 Acq: 29 Jun 2018 15:40

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.7	68.0
148	65.5	33.5	100.4

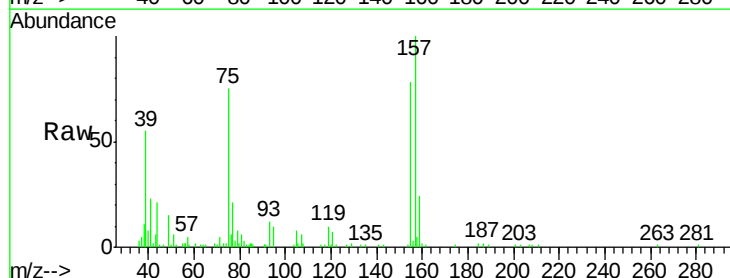


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

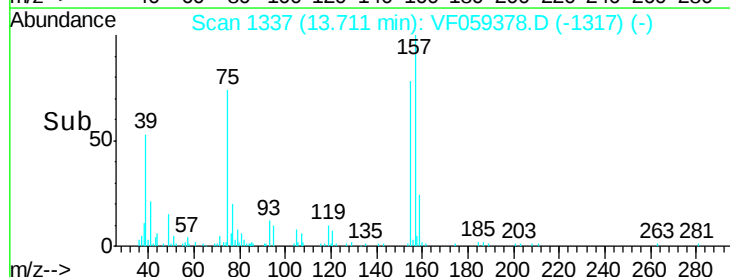
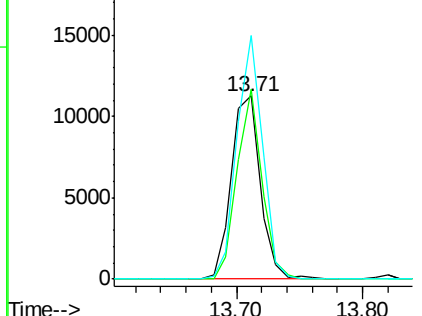


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.381 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059378.D
 Acq: 29 Jun 2018 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.6	54.6	163.8
157	133.1	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: 22.851 ug/l

RT: 14.26 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

ClientSampleId :

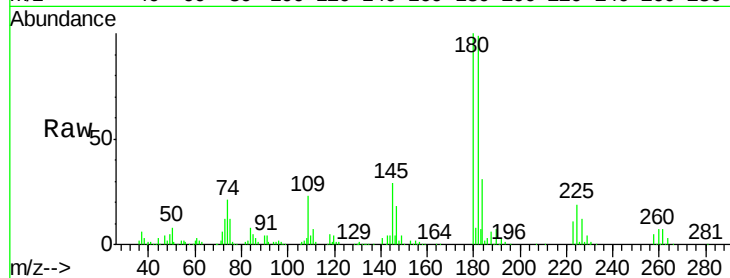
Tot Ion:180 Resp: 133198

Ion Ratio Lower Upper

180 100

182 99.0 48.1 144.3

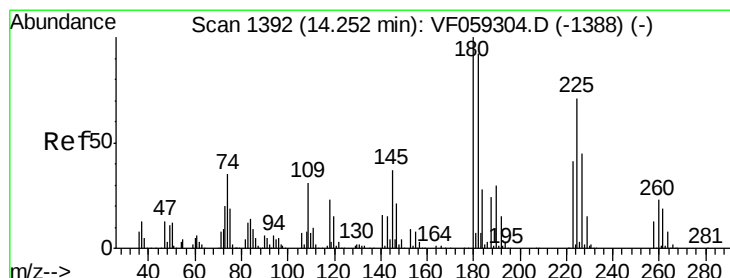
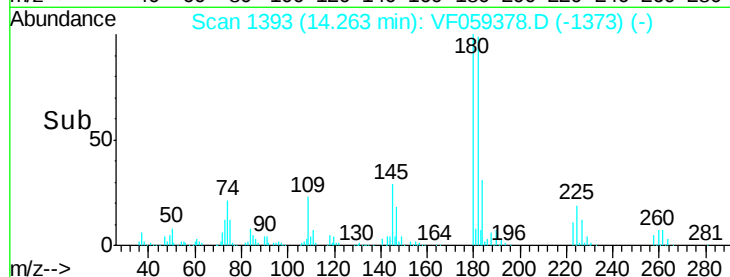
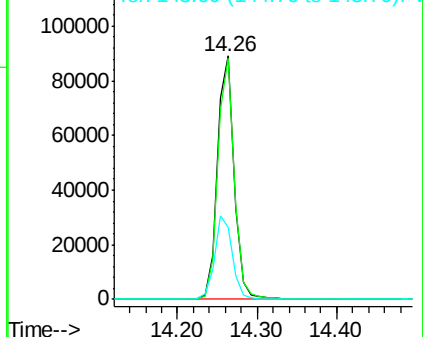
145 29.4 15.3 45.8



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: 22.943 ug/l

RT: 14.25 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

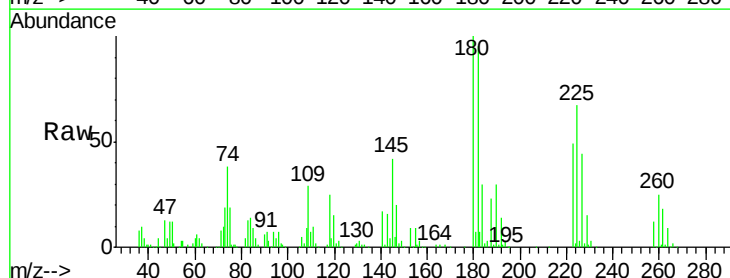
Tgt Ion:225 Resp: 74698

Ion Ratio Lower Upper

225 100

223 72.4 28.9 86.8

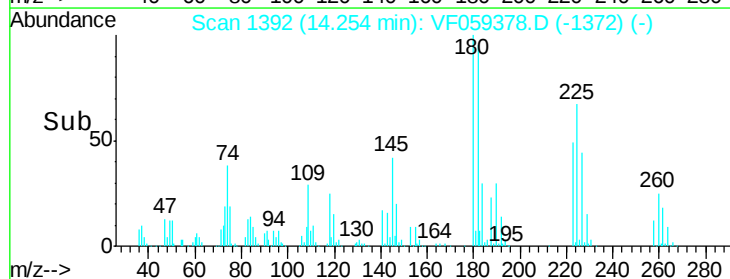
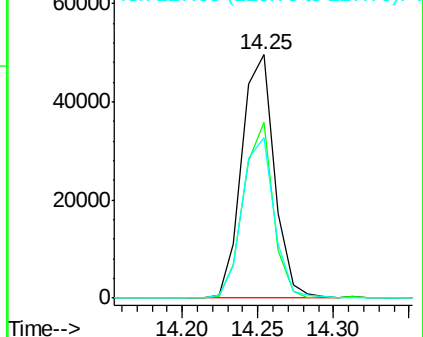
227 65.7 31.3 93.8

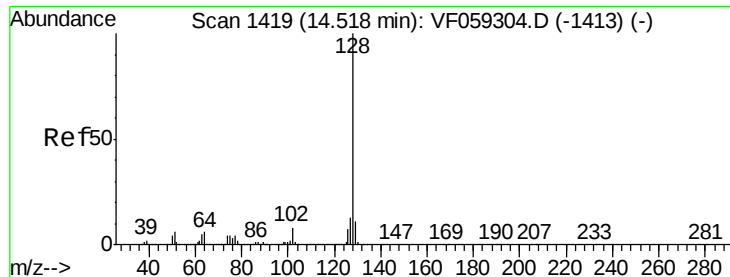


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 22.085 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA_F

ClientSampleId :

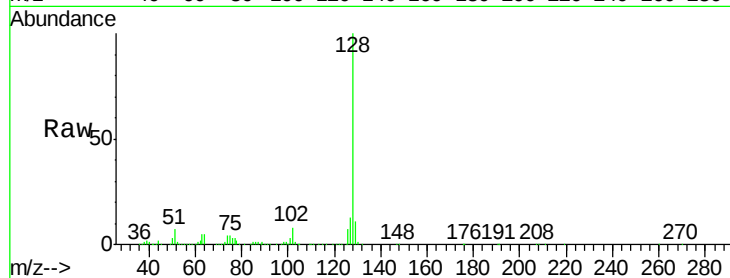
Tot Ion:128 Resp: 269342

Ion Ratio Lower Upper

128 100

127 13.4 10.1 15.1

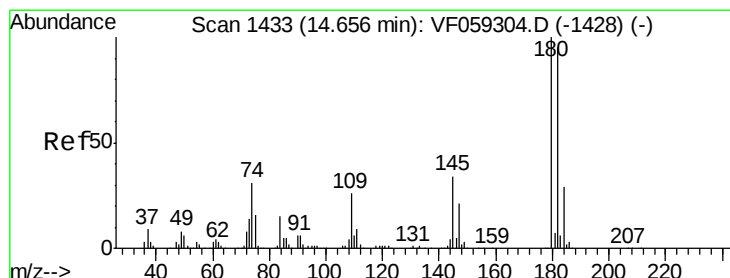
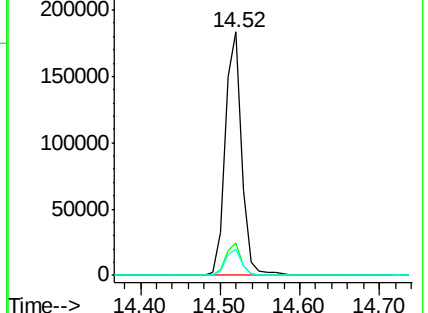
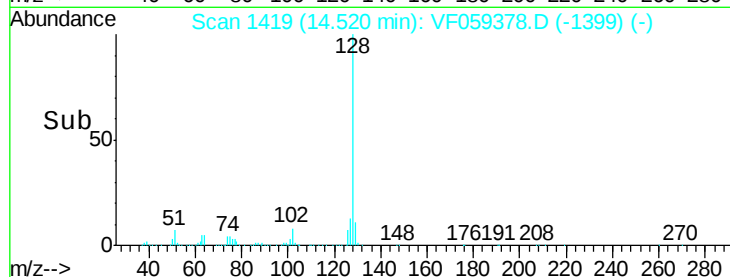
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.734 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

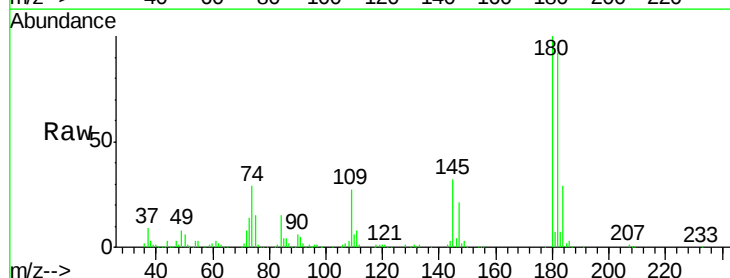
Tgt Ion:180 Resp: 125534

Ion Ratio Lower Upper

180 100

182 91.7 47.5 142.5

145 31.7 17.0 50.9



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

