

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062718\
 Data File : VF059331.D
 Acq On : 27 Jun 2018 11:10
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 27 16:02:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	302619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	461558	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	460363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	273640	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	168122	43.00	ug/l	0.00
Spiked Amount			Recovery	=	86.00%	
35) Dibromofluoromethane	4.28	113	151413	44.90	ug/l	0.00
Spiked Amount			Recovery	=	89.80%	
50) Toluene-d8	7.70	98	399295	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
62) 4-Bromofluorobenzene	11.50	95	212419	45.10	ug/l	0.00
Spiked Amount			Recovery	=	90.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	119421	43.19	ug/l	99
3) Chloromethane	1.08	50	90393	48.66	ug/l	100
4) Vinyl Chloride	1.14	62	91397	49.99	ug/l	99
5) Bromomethane	1.33	94	67978	66.90	ug/l	95
6) Chloroethane	1.42	64	49379	53.62	ug/l	95
7) Trichlorofluoromethane	1.49	101	60947	16.86	ug/l	100
8) Diethyl Ether	1.69	74	48259	52.06	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.89	101	105809	50.14	ug/l	97
10) Methyl Iodide	1.95	142	199314	51.79	ug/l	99
11) Tert butyl alcohol	2.66	59	58517	224.82	ug/l	94
12) 1,1-Dichloroethene	1.84	96	93375	52.34	ug/l	87
13) Acrolein	2.08	56	33723	273.53	ug/l	96
14) Allyl chloride	2.18	41	177502	53.00	ug/l #	89
15) Acrylonitrile	3.06	53	115640	252.29	ug/l	97
16) Acetone	2.32	43	289805	298.78	ug/l	98
17) Carbon Disulfide	1.83	76	217109	51.73	ug/l #	94
18) Methyl Acetate	2.44	43	98249	55.81	ug/l	98
19) Methyl tert-butyl Ether	2.52	73	334333	50.24	ug/l #	92
20) Methylene Chloride	2.26	84	108471	49.38	ug/l #	88
21) trans-1,2-Dichloroethene	2.40	96	98075	51.53	ug/l	95
22) Diisopropyl ether	2.90	45	400114	53.95	ug/l	94
23) Vinyl Acetate	3.32	43	1165490	246.76	ug/l	96
24) 1,1-Dichloroethane	2.98	63	226020	49.15	ug/l	99
25) 2-Butanone	4.49	43	335511	284.04	ug/l	95
26) 2,2-Dichloropropane	3.74	77	155924	49.16	ug/l	91
27) cis-1,2-Dichloroethene	3.61	96	151422	52.40	ug/l	85
28) Bromochloromethane	3.87	49	85304	48.15	ug/l	96
29) Tetrahydrofuran	4.24	42	143714	287.10	ug/l	97
30) Chloroform	4.02	83	318021	47.77	ug/l	97
31) Cyclohexane	3.85	56	147534	48.98	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	229509	47.11	ug/l	96
36) 1,1-Dichloropropene	4.44	75	206167	51.13	ug/l	99
37) Ethyl Acetate	4.27	43	138914	53.97	ug/l #	80
38) Carbon Tetrachloride	4.16	117	238034	46.78	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	180443	50.50	ug/l	99
40) Benzene	4.79	78	454231	50.81	ug/l	99
41) Methacrylonitrile	4.91	41	67331	48.95	ug/l	95
42) 1,2-Dichloroethane	5.10	62	247820	47.44	ug/l	99
43) Isopropyl Acetate	7.09	43	183760	54.71	ug/l #	87
44) Trichloroethene	5.66	130	151553	49.42	ug/l	96
45) 1,2-Dichloropropane	6.38	63	128235	50.20	ug/l	99
46) Dibromomethane	6.24	93	112683	50.83	ug/l	97
47) Bromodichloromethane	6.53	83	265818	49.53	ug/l	99
48) Methyl methacrylate	6.86	41	116223	51.63	ug/l	96
49) 1,4-Dioxane	6.85	88	13779	1153.82	ug/l	92
51) 4-Methyl-2-Pentanone	8.39	43	652333	262.17	ug/l	99
52) Toluene	7.76	92	321516	48.06	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	245047	50.10	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	274668	51.69	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	131879	50.77	ug/l	98
56) Ethyl methacrylate	8.74	69	173143	53.81	ug/l	98
57) 1,3-Dichloropropane	8.99	76	219812	49.35	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	57351	237.66	ug/l	100
59) 2-Hexanone	9.62	43	539273	291.29	ug/l	81
60) Dibromochloromethane	8.85	129	205921	51.35	ug/l	91
61) 1,2-Dibromoethane	9.11	107	155894	49.49	ug/l	96
64) Tetrachloroethene	8.29	164	147809	49.50	ug/l	98
65) Chlorobenzene	9.92	112	403920	47.35	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	173732	47.09	ug/l	92
67) Ethyl Benzene	10.02	91	718941	49.68	ug/l	97
68) m/p-Xylenes	10.25	106	434094	84.28	ug/l	99
69) o-Xylene	10.81	106	286281	49.69	ug/l	95
70) Styrene	10.89	104	423168	48.22	ug/l	98
71) Bromoform	10.88	173	125098	49.47	ug/l #	97
73) Isopropylbenzene	11.21	105	828425	51.97	ug/l	97
74) N-amyl acetate	11.45	43	306132	52.92	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	198069	49.20	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	151808	49.99	ug/l	96
77) Bromobenzene	11.58	156	217886	49.26	ug/l	96
78) n-propylbenzene	11.68	91	925720	48.35	ug/l	99
79) 2-Chlorotoluene	11.81	91	577346	49.36	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	693829	49.69	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	94994	52.55	ug/l	92
82) 4-Chlorotoluene	11.98	91	616952	49.24	ug/l	96
83) tert-Butylbenzene	12.20	119	717753	51.39	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	740959	50.38	ug/l	98
85) sec-Butylbenzene	12.38	105	909501	49.13	ug/l	100
86) p-Isopropyltoluene	12.53	119	800029	51.49	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	391015	53.91	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	397964	50.38	ug/l	99
89) n-Butylbenzene	12.91	91	790624	50.13	ug/l	99
90) Hexachloroethane	12.99	117	197355	50.97	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	399551	49.76	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	43544	48.79	ug/l	99

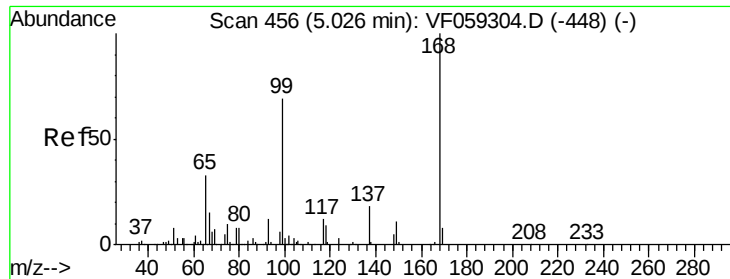
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	305126	51.39	ug/l	98
94) Hexachlorobutadiene	14.25	225	170138	51.30	ug/l	93
95) Naphthalene	14.52	128	675641	54.39	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	293601	52.20	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

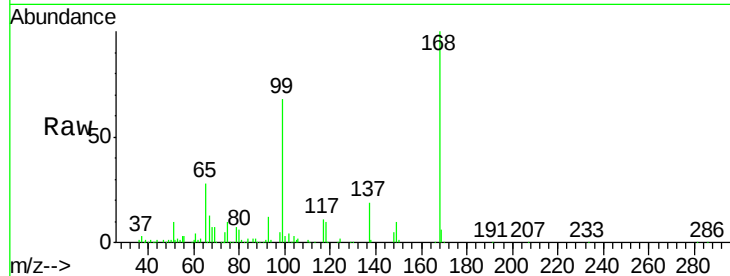
ClientSampleId :

Tot Ion:168 Resp: 302619

Ion Ratio Lower Upper

168 100

99 68.0 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

120000

100000

80000

60000

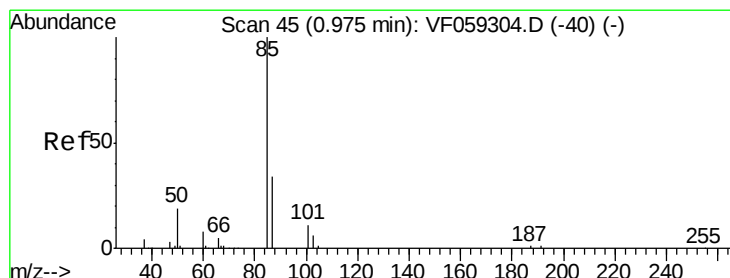
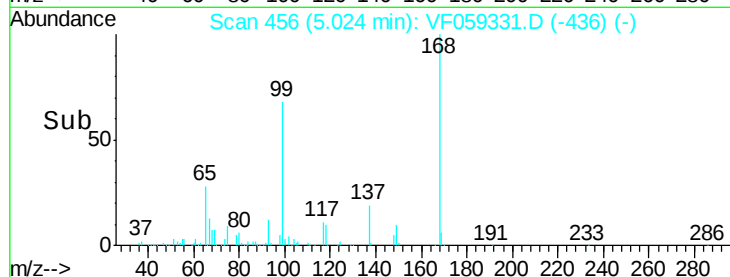
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 43.19 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059331.D

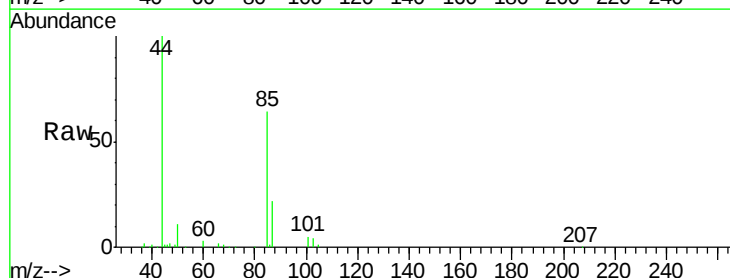
Acq: 27 Jun 2018 11:10

Tgt Ion: 85 Resp: 119421

Ion Ratio Lower Upper

85 100

87 34.7 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

40000

30000

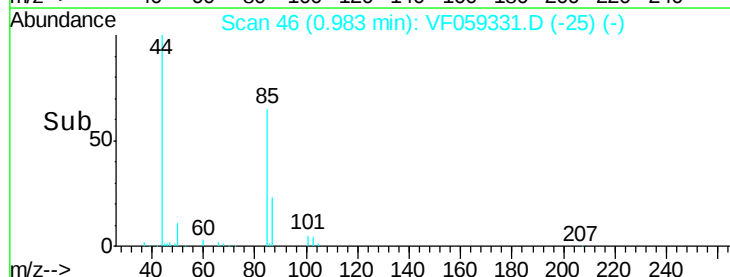
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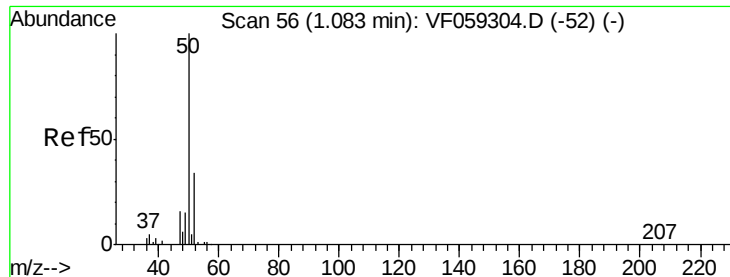
10000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 48.66 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

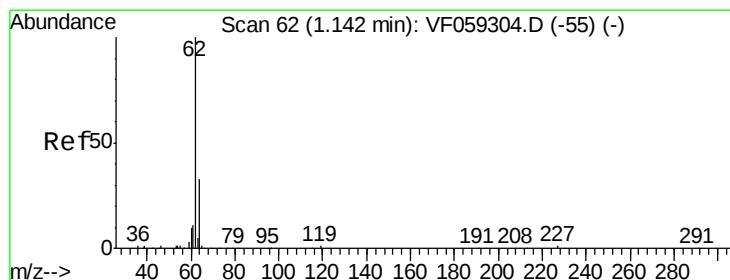
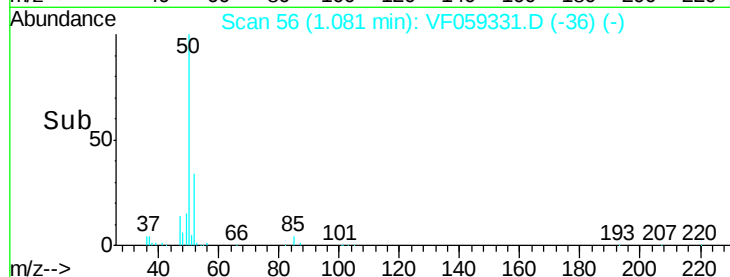
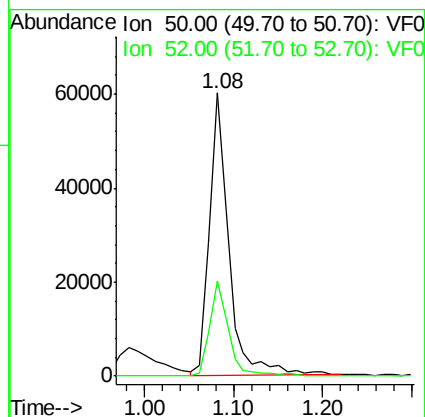
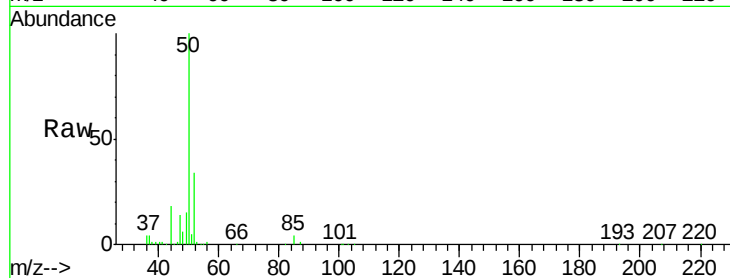
ClientSampleId :

Tot Ion: 50 Resp: 90393

Ion Ratio Lower Upper

50 100

52 33.6 26.7 40.1



#4

Vinyl Chloride

Concen: 49.99 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059331.D

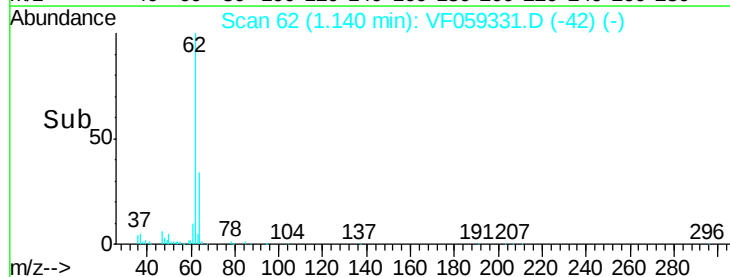
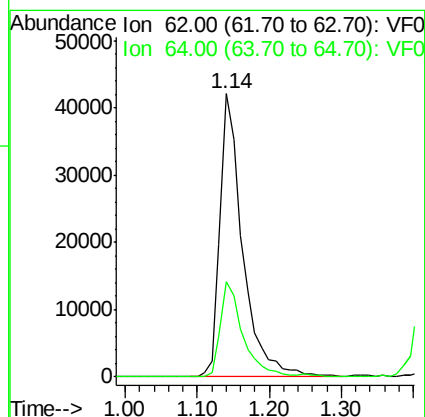
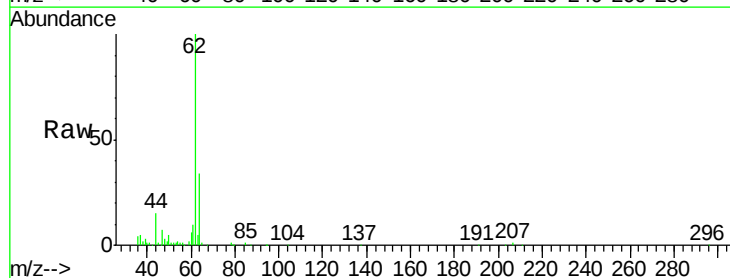
Acq: 27 Jun 2018 11:10

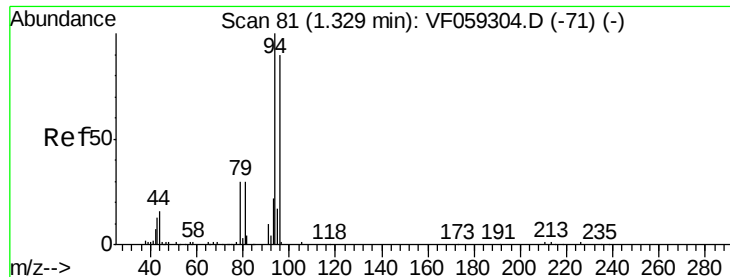
Tgt Ion: 62 Resp: 91397

Ion Ratio Lower Upper

62 100

64 33.5 26.3 39.5





#5

Bromomethane

Concen: 66.90 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

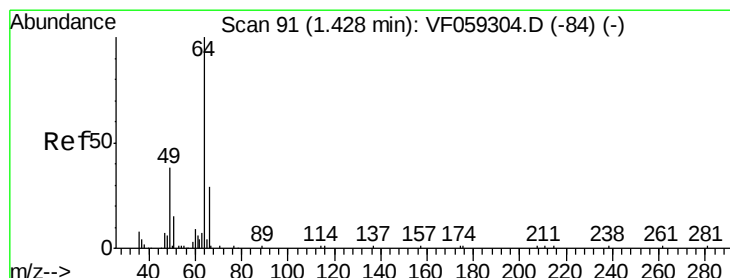
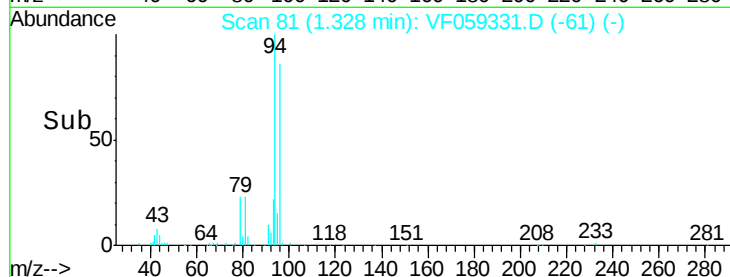
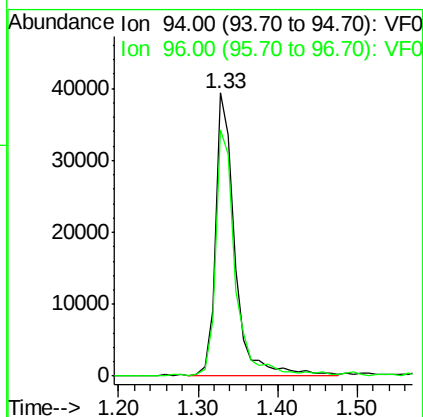
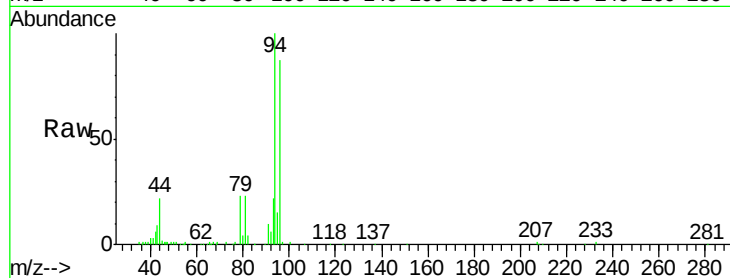
ClientSampleId :

Tot Ion: 94 Resp: 67978

Ion Ratio Lower Upper

94 100

96 86.8 73.4 110.0



#6

Chloroethane

Concen: 53.62 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059331.D

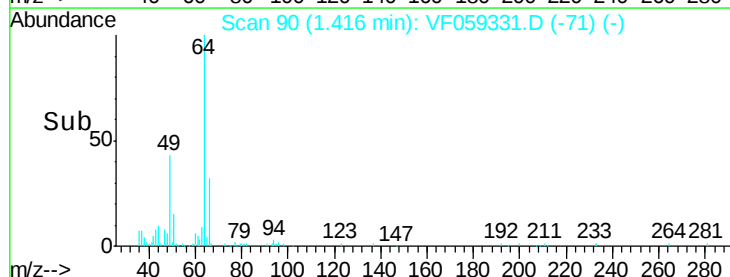
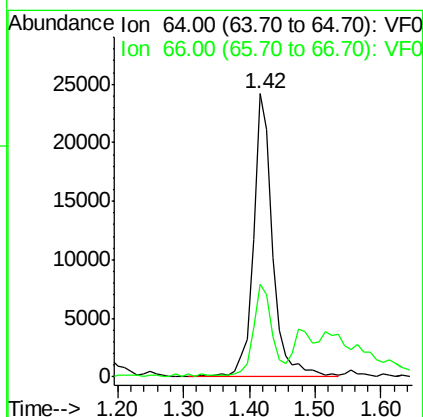
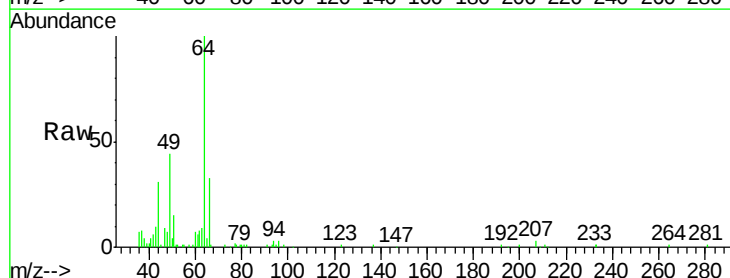
Acq: 27 Jun 2018 11:10

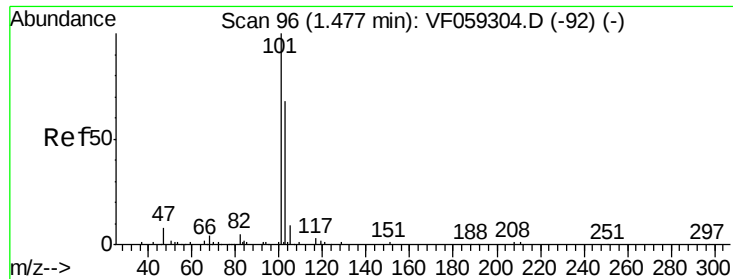
Tgt Ion: 64 Resp: 49379

Ion Ratio Lower Upper

64 100

66 32.8 23.9 35.9





#7

Trichlorofluoromethane

Concen: 16.86 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.01 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

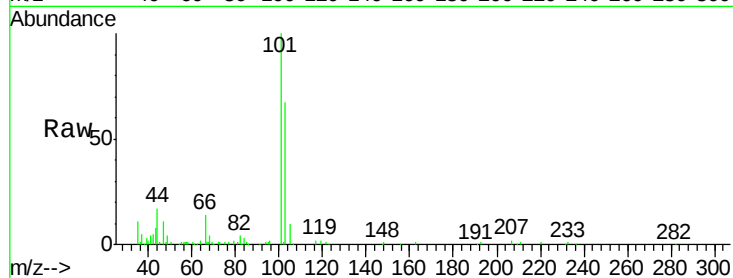
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:101 Resp: 60947

Ion Ratio Lower Upper

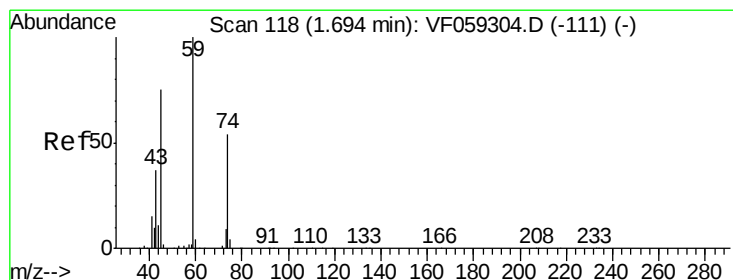
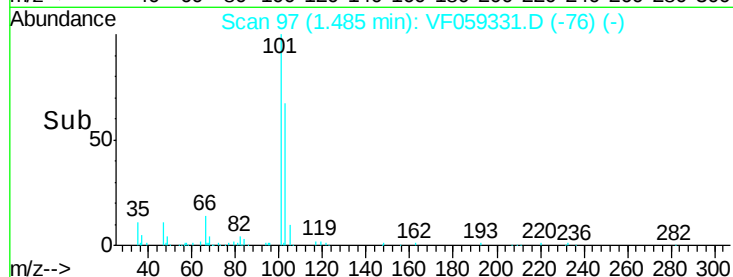
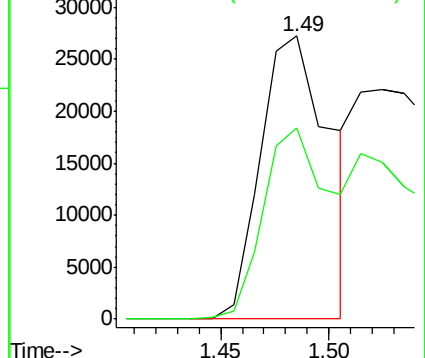
101 100

103 67.4 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: 52.06 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059331.D

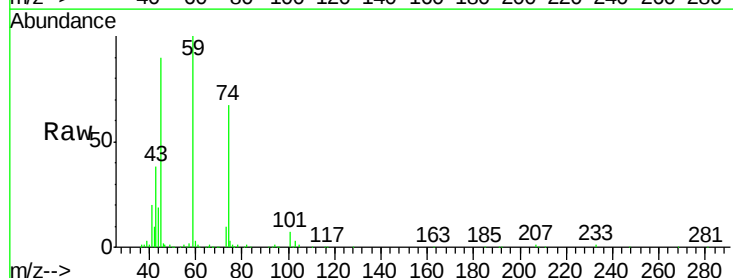
Acq: 27 Jun 2018 11:10

Tgt Ion: 74 Resp: 48259

Ion Ratio Lower Upper

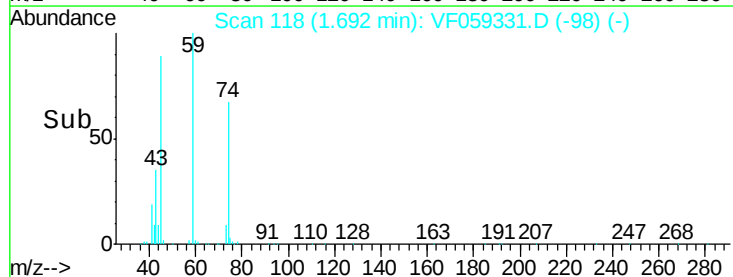
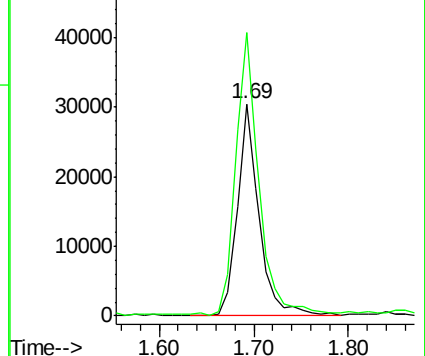
74 100

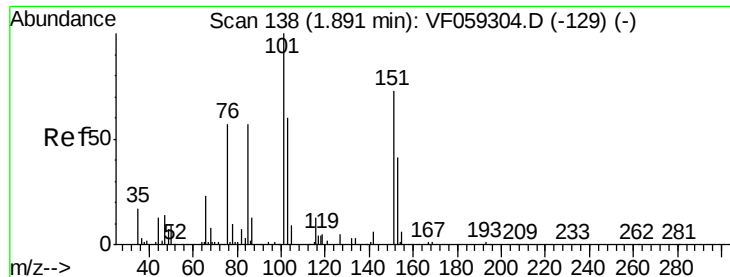
45 133.7 70.0 210.0



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: 50.14 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

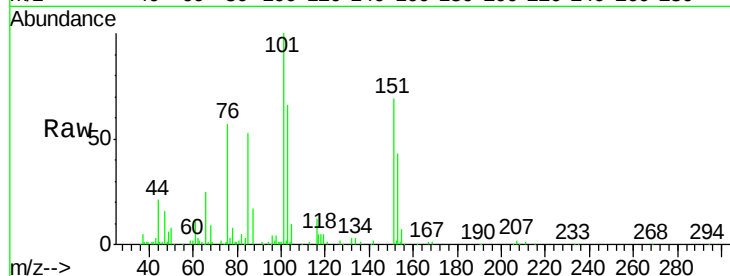
Tot Ion:101 Resp: 105809

Ion Ratio Lower Upper

101 100

85 52.6 44.5 66.7

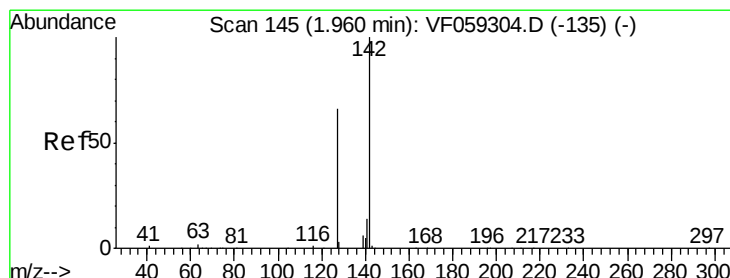
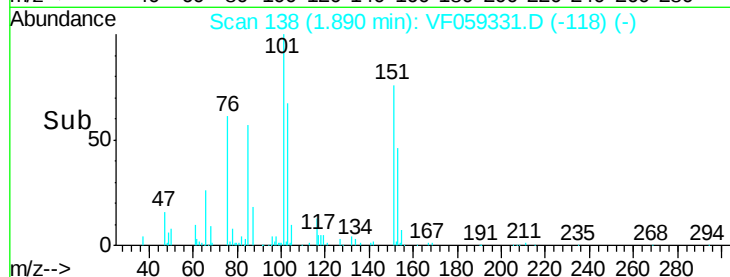
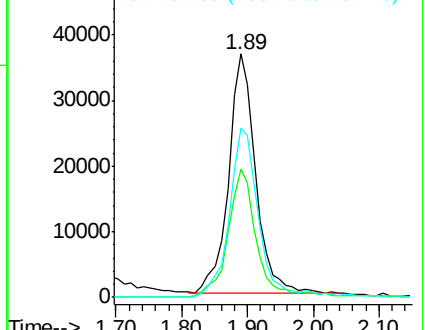
151 69.4 56.8 85.2



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: 51.79 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

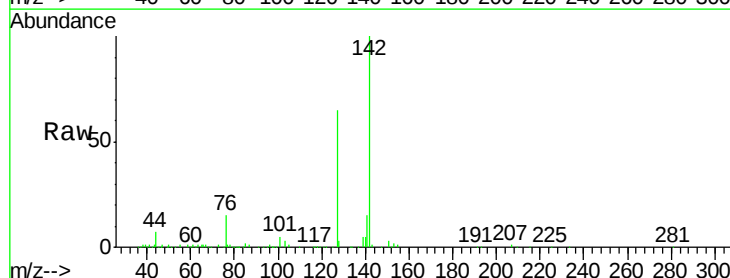
Tgt Ion:142 Resp: 199314

Ion Ratio Lower Upper

142 100

127 65.2 52.5 78.7

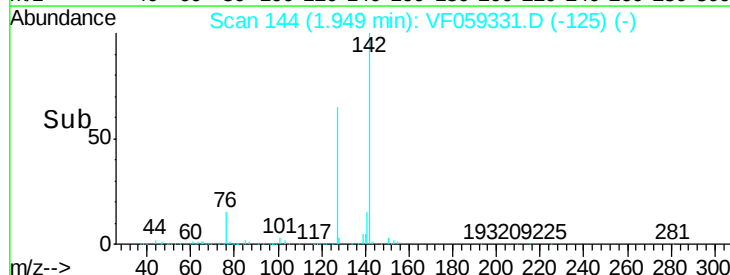
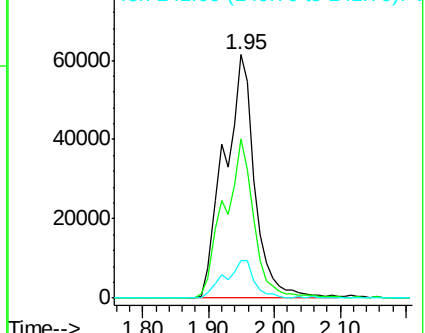
141 15.4 11.5 17.3

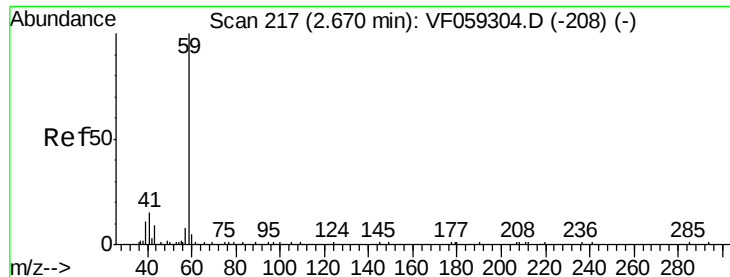


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



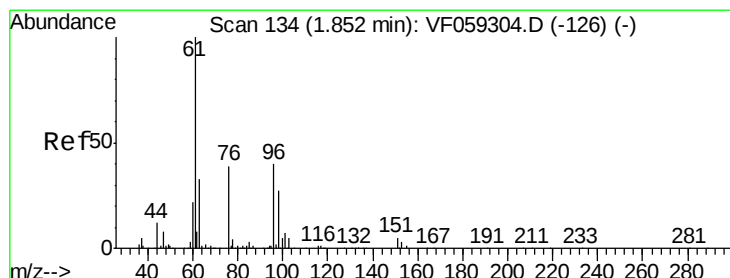
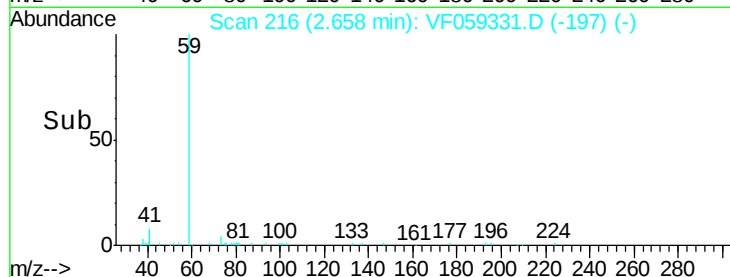
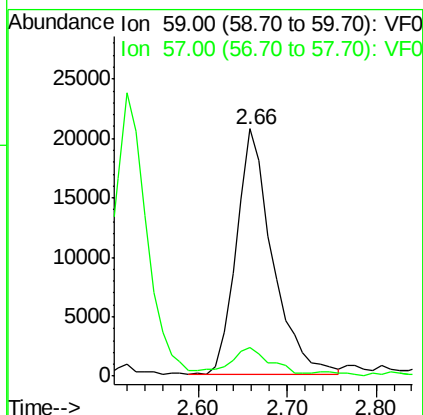
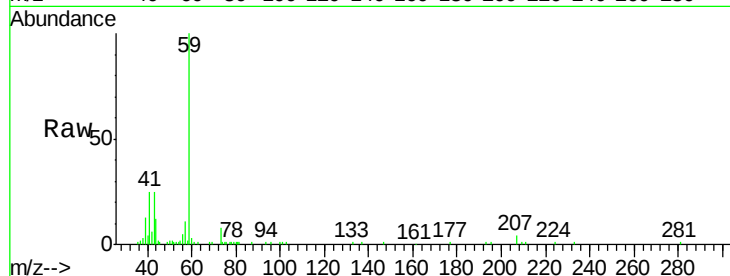


#11

Tert butyl alcohol
Concen: 224.82 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.01 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

Instrument :
MSVOA_F
ClientSampleId :

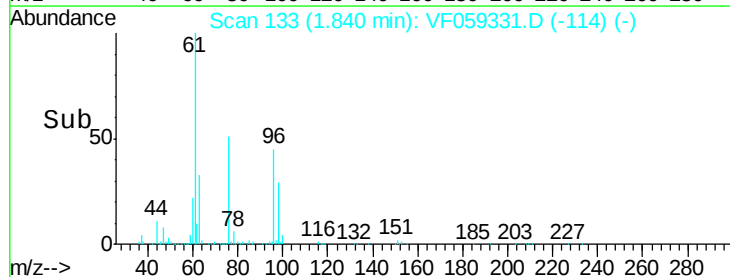
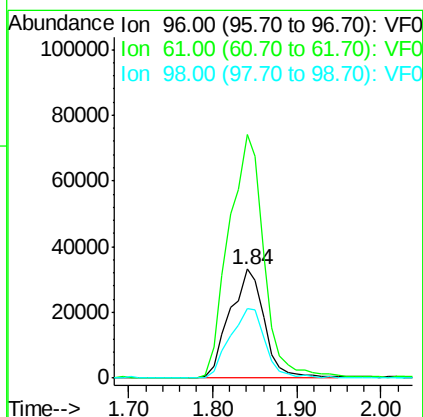
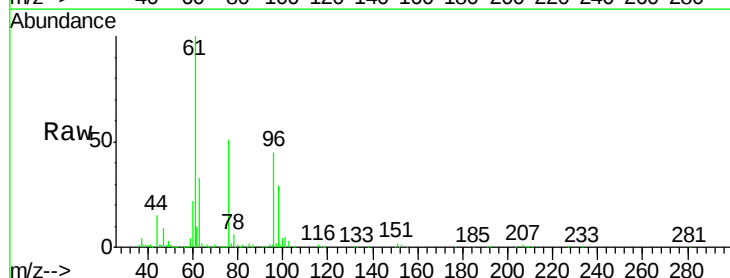
Tot Ion: 59 Resp: 58517
Ion Ratio Lower Upper
59 100
57 11.4 11.0 16.4

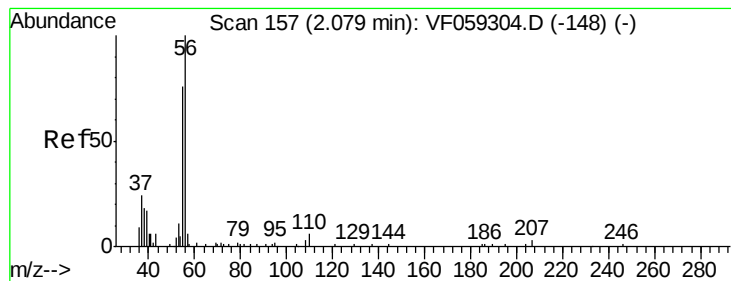


#12

1,1-Dichloroethene
Concen: 52.34 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

Tgt Ion: 96 Resp: 93375
Ion Ratio Lower Upper
96 100
61 224.2 201.1 301.7
98 64.0 53.9 80.9





#13

Acrolein

Concen: 273.53 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

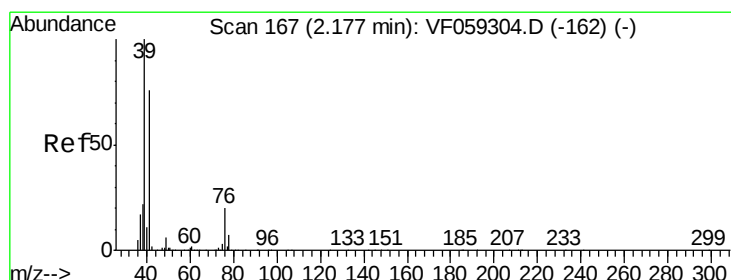
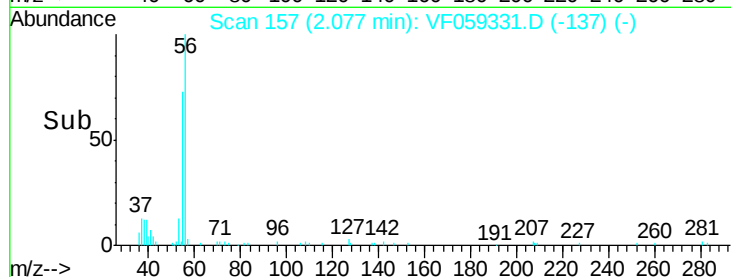
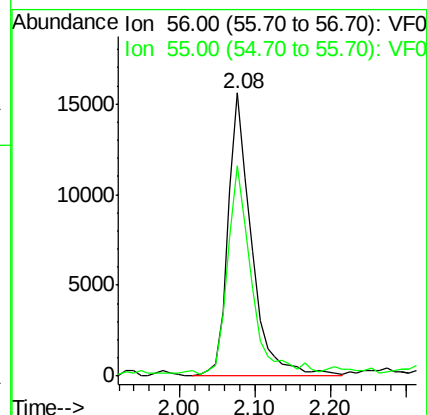
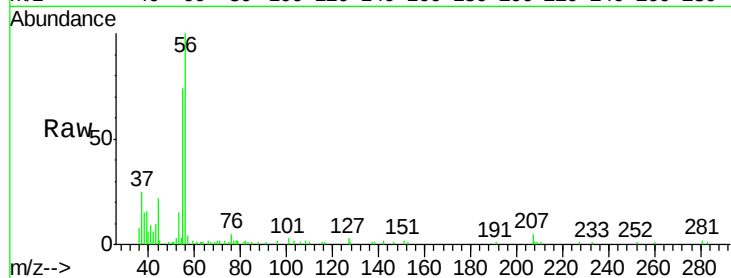
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 33723

Ion Ratio Lower Upper

56 100

55 74.4 62.4 93.6



#14

Allyl chloride

Concen: 53.00 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

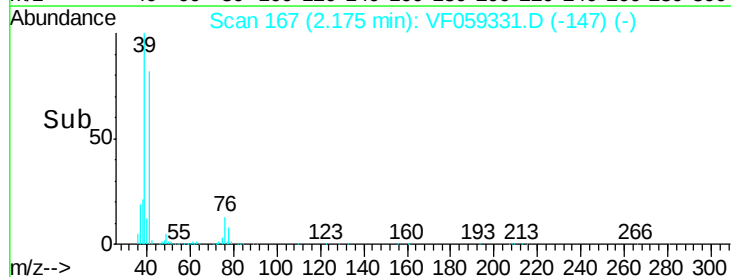
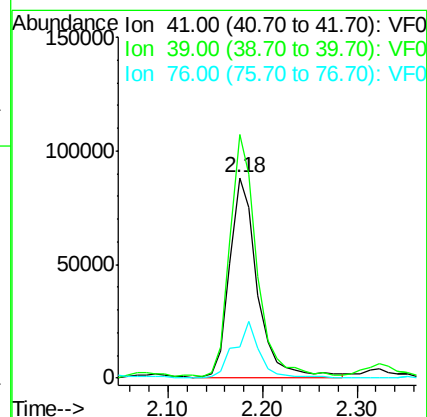
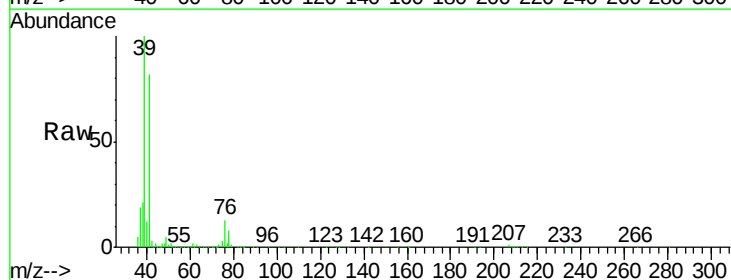
Tgt Ion: 41 Resp: 177502

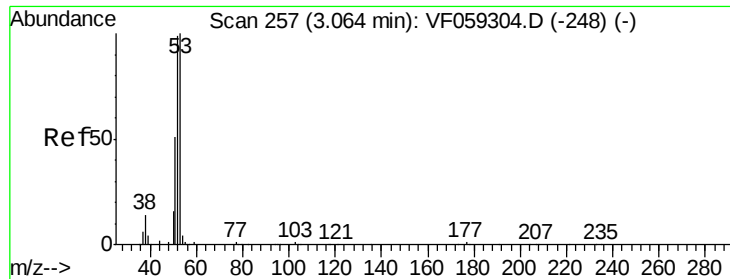
Ion Ratio Lower Upper

41 100

39 121.5 105.6 158.4

76 15.6 21.6 32.4#





#15

Acrylonitrile

Concen: 252.29 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :
MSVOA_F
ClientSampled :

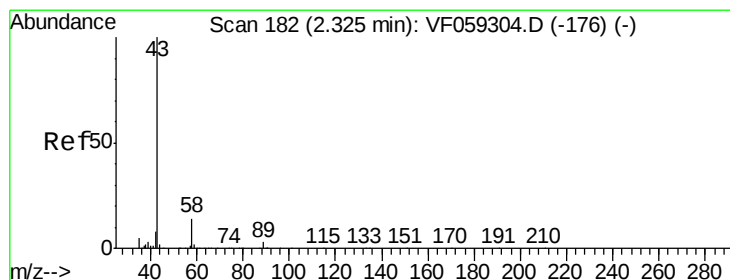
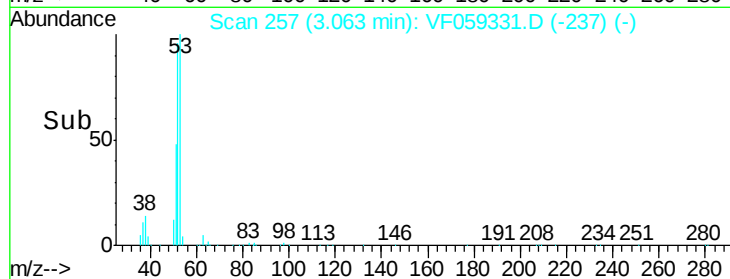
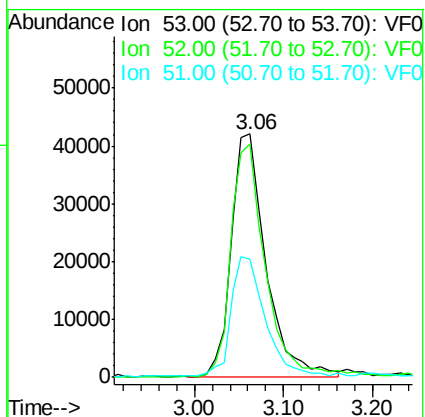
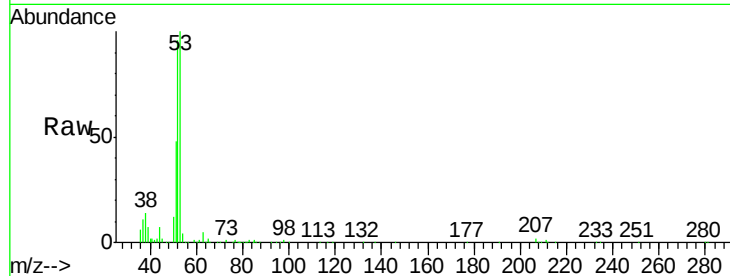
Tot Ion: 53 Resp: 115640

Ion Ratio Lower Upper

53 100

52 95.9 79.2 118.8

51 48.5 40.9 61.3



#16

Acetone

Concen: 298.78 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059331.D

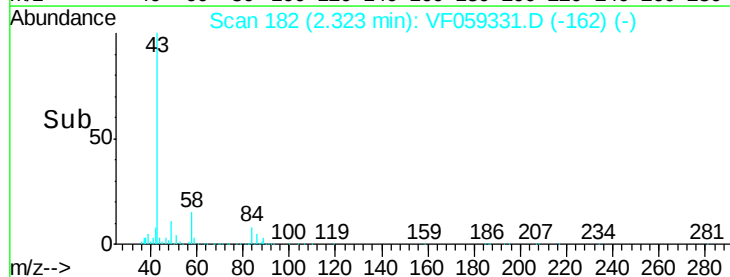
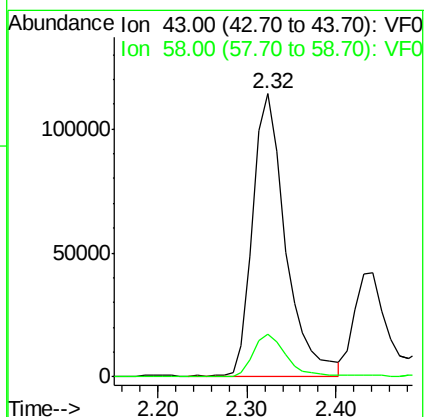
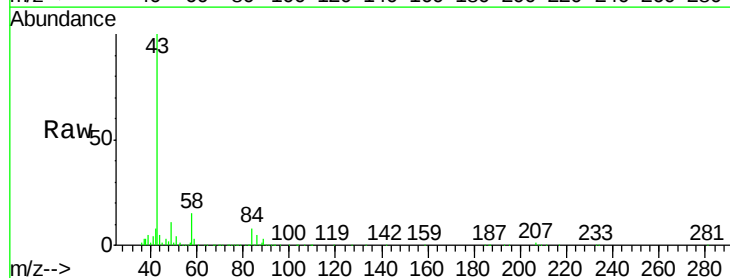
Acq: 27 Jun 2018 11:10

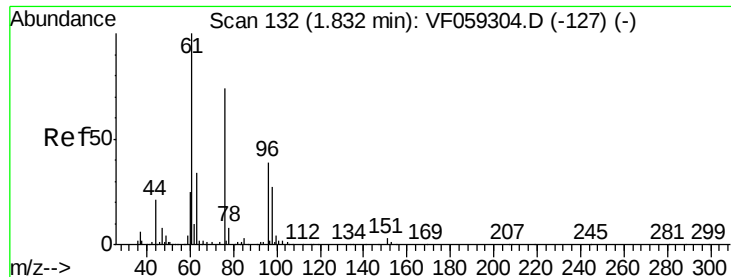
Tgt Ion: 43 Resp: 289805

Ion Ratio Lower Upper

43 100

58 15.0 11.4 17.0





#17

Carbon Disulfide

Concen: 51.73 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

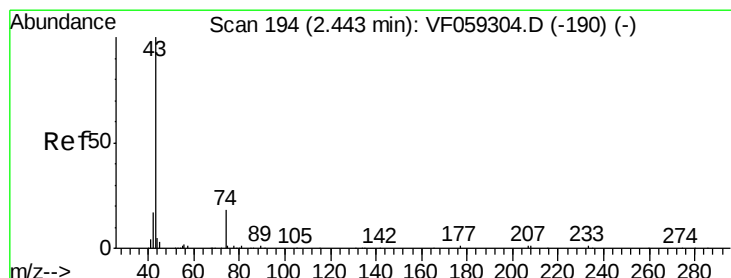
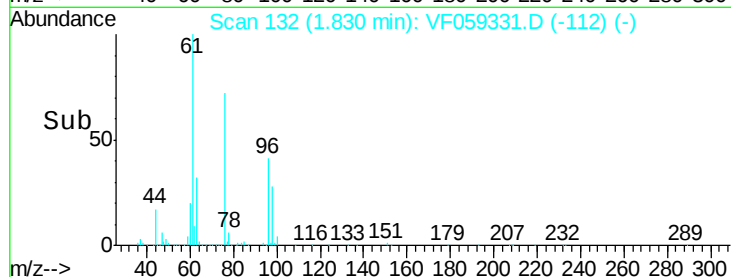
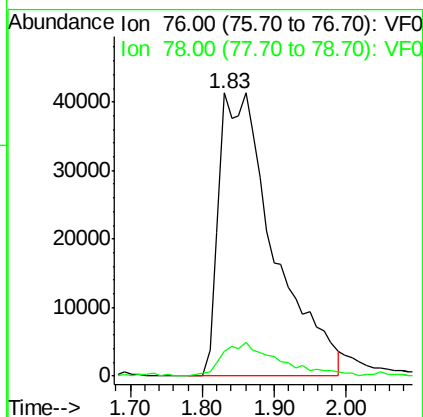
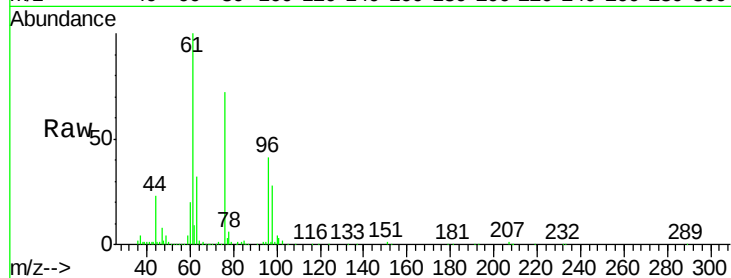
ClientSampleId :

Tot Ion: 76 Resp: 217109

Ion Ratio Lower Upper

76 100

78 8.8 8.9 13.3#



#18

Methyl Acetate

Concen: 55.81 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.00 min

Lab File: VF059331.D

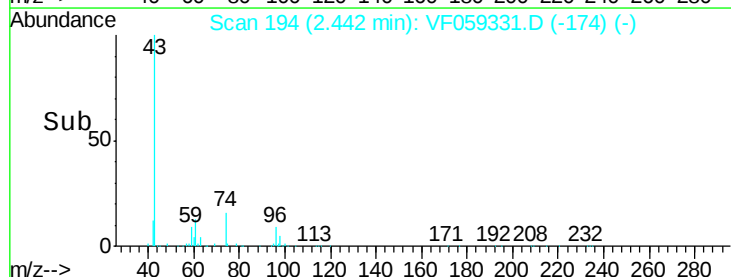
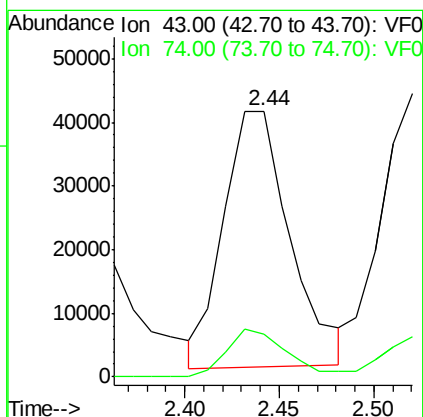
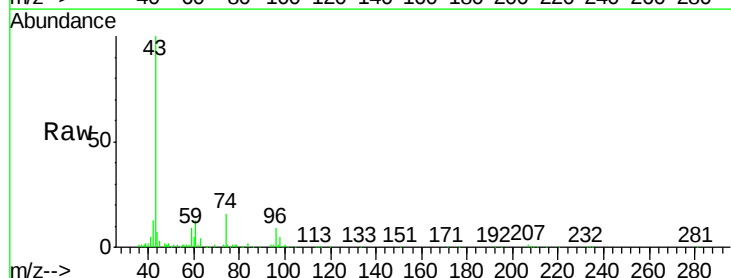
Acq: 27 Jun 2018 11:10

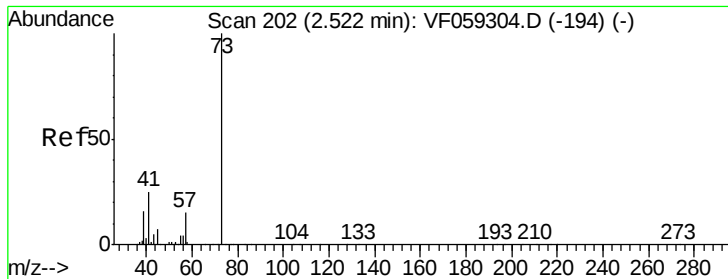
Tgt Ion: 43 Resp: 98249

Ion Ratio Lower Upper

43 100

74 16.0 13.3 19.9



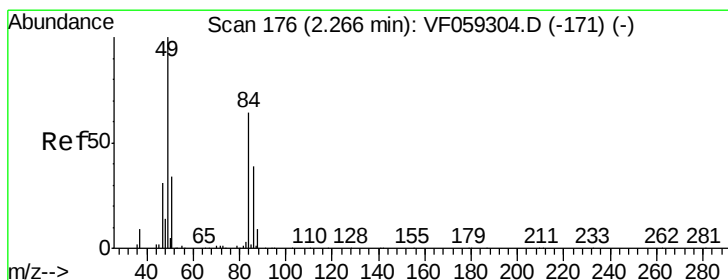
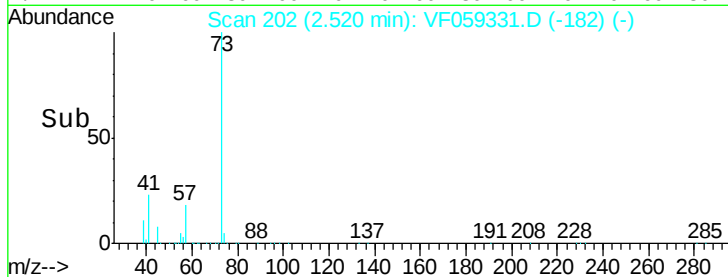
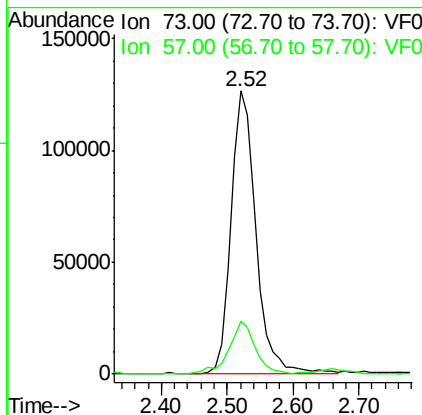
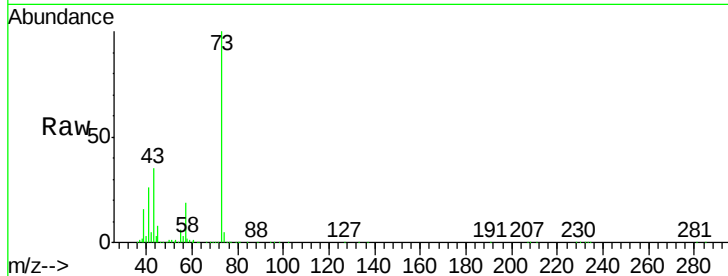


#19

Methyl tert-butyl Ether
 Concen: 50.24 ug/l
 RT: 2.52 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VF059331.D
 Acq: 27 Jun 2018 11:10

Instrument :
 MSVOA_F
 ClientSampleID :

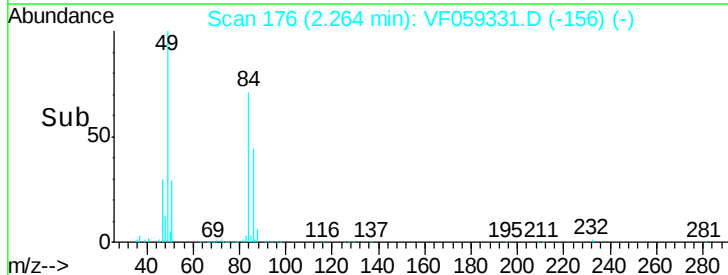
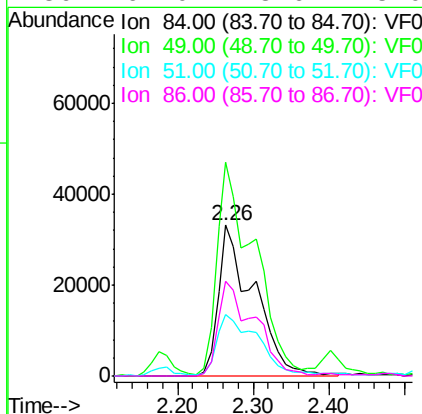
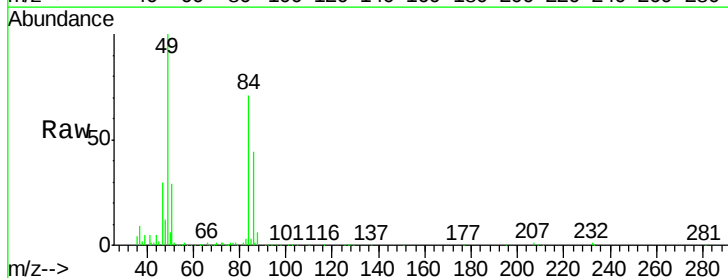
Tot Ion: 73 Resp: 334333
 Ion Ratio Lower Upper
 73 100
 57 18.8 12.3 18.5#

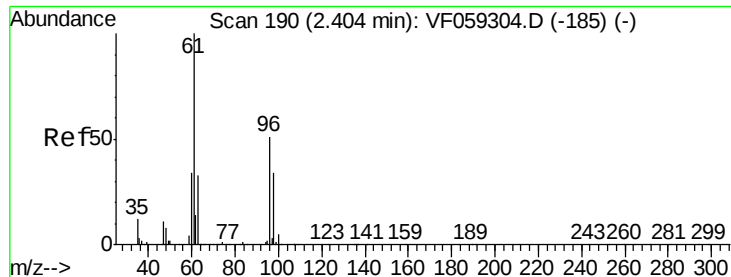


#20

Methylene Chloride
 Concen: 49.38 ug/l
 RT: 2.26 min Scan# 176
 Delta R.T. -0.00 min
 Lab File: VF059331.D
 Acq: 27 Jun 2018 11:10

Tgt Ion: 84 Resp: 108471
 Ion Ratio Lower Upper
 84 100
 49 141.8 126.5 189.7
 51 41.2 42.9 64.3#
 86 64.0 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 51.53 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :
MSVOA_F
ClientSampled :

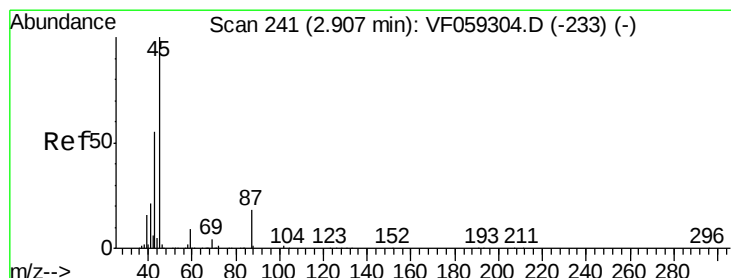
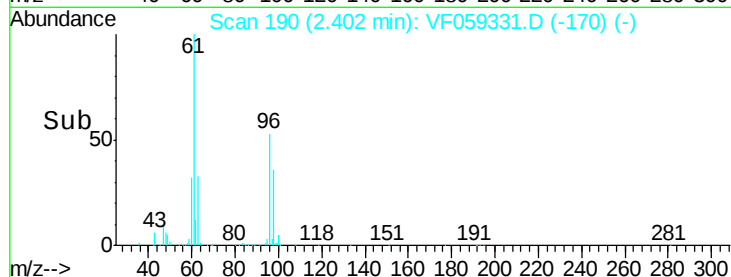
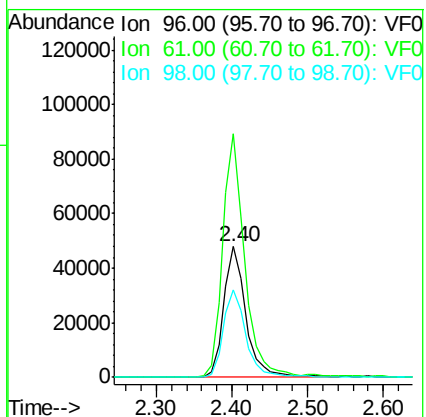
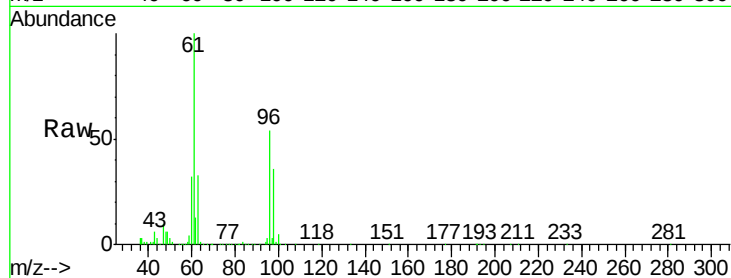
Tot Ion: 96 Resp: 98075

Ion Ratio Lower Upper

96 100

61 186.4 157.4 236.2

98 66.5 53.7 80.5



#22

Diisopropyl ether

Concen: 53.95 ug/l

RT: 2.90 min Scan# 241

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Tgt Ion: 45 Resp: 400114

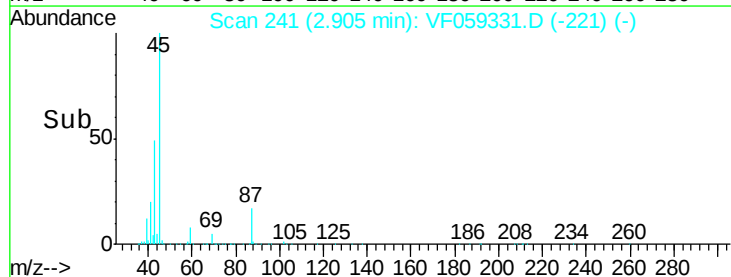
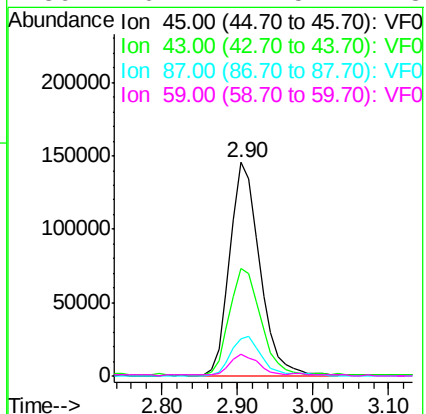
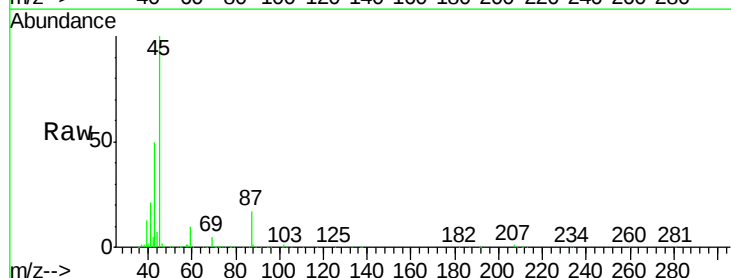
Ion Ratio Lower Upper

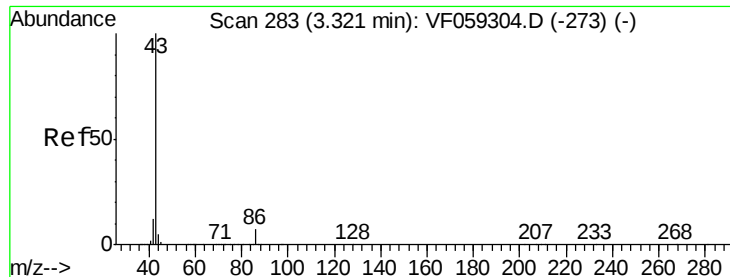
45 100

43 50.2 44.6 66.8

87 17.1 14.3 21.5

59 10.4 7.5 11.3





#23

Vinyl Acetate

Concen: 246.76 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

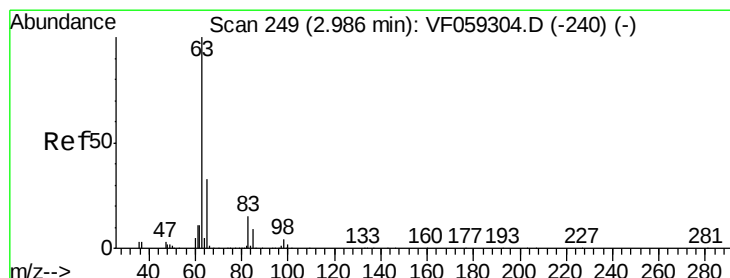
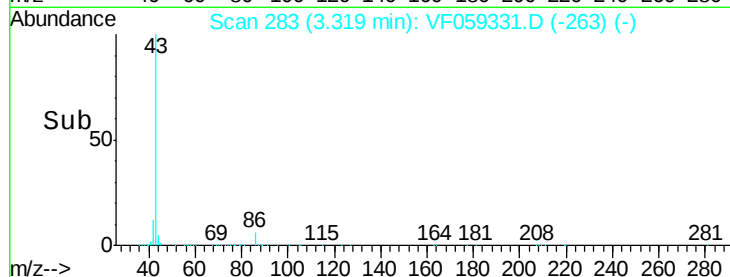
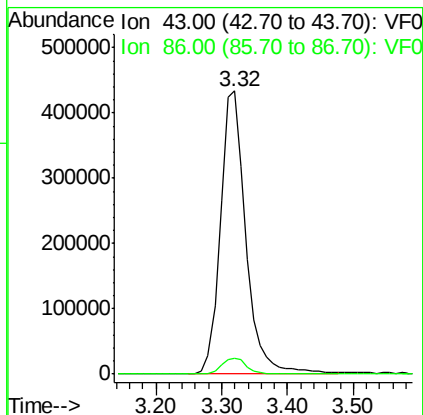
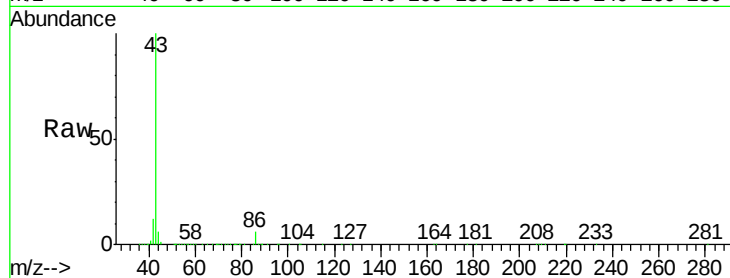
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1165490

Ion Ratio Lower Upper

43 100

86 5.8 5.8 8.6



#24

1,1-Dichloroethane

Concen: 49.15 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

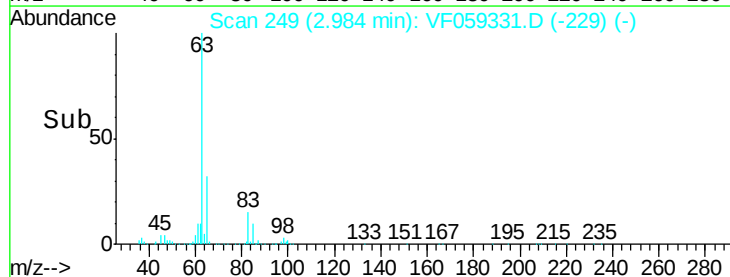
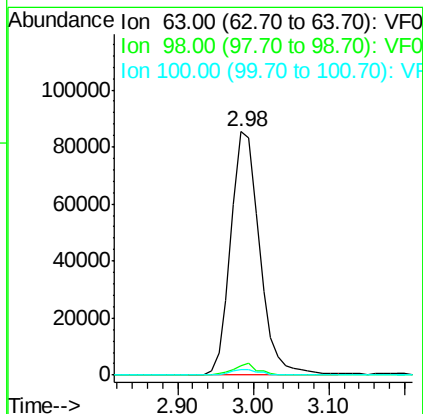
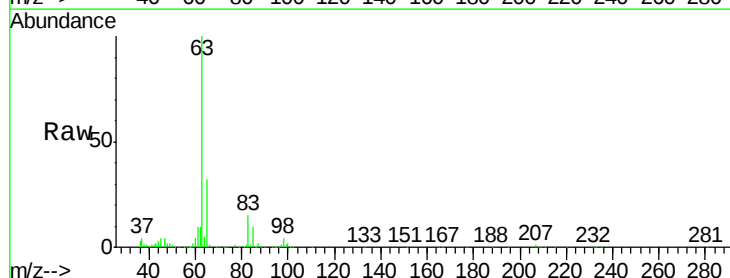
Tgt Ion: 63 Resp: 226020

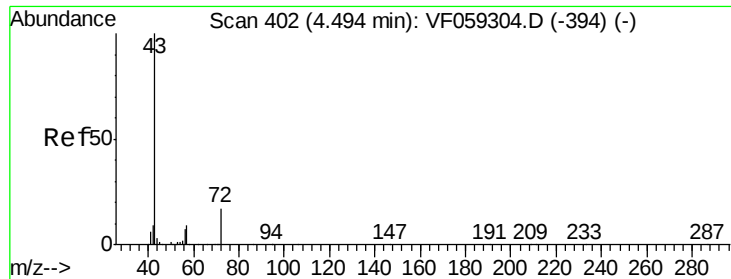
Ion Ratio Lower Upper

63 100

98 3.6 2.0 6.0

100 2.1 1.3 3.9





#25

2-Butanone

Concen: 284.04 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

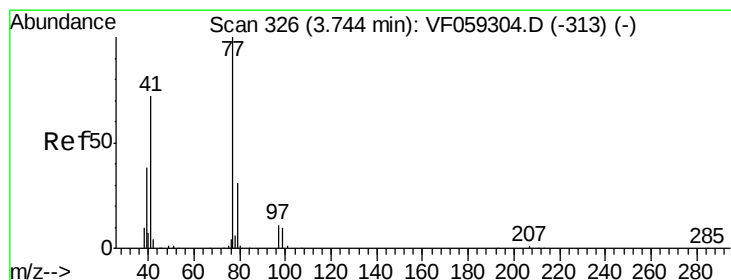
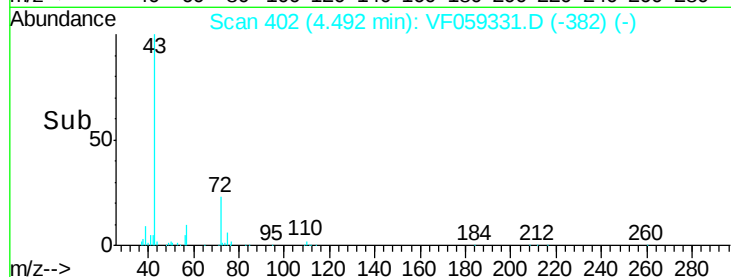
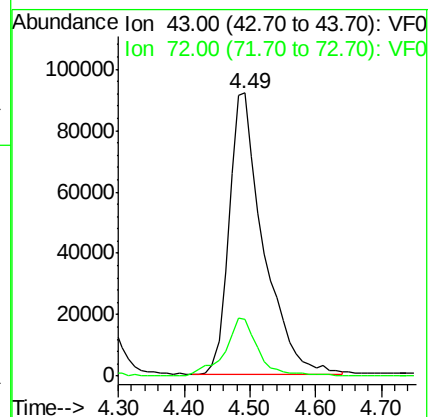
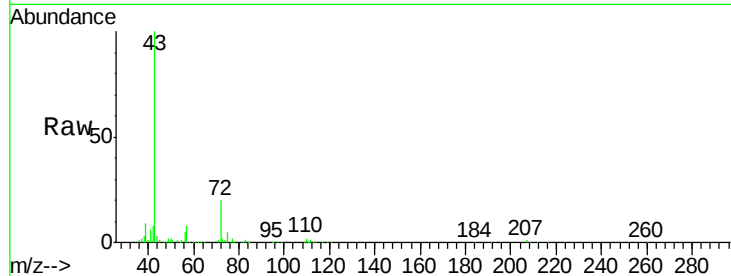
ClientSampleId :

Tot Ion: 43 Resp: 33511

Ion Ratio Lower Upper

43 100

72 20.1 14.4 21.6



#26

2,2-Dichloropropane

Concen: 49.16 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059331.D

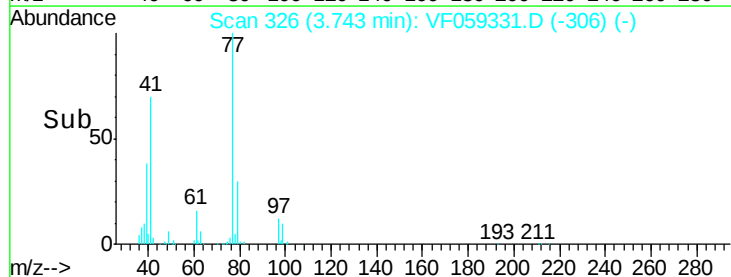
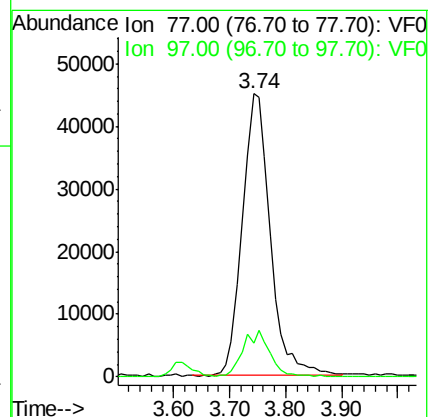
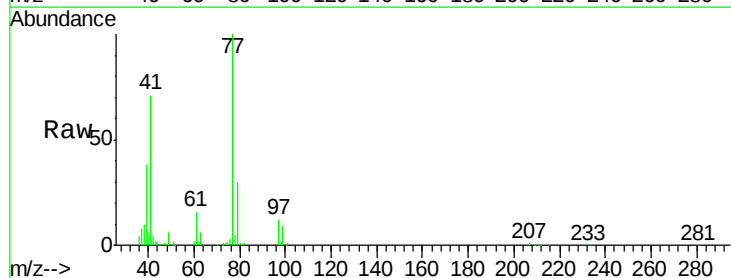
Acq: 27 Jun 2018 11:10

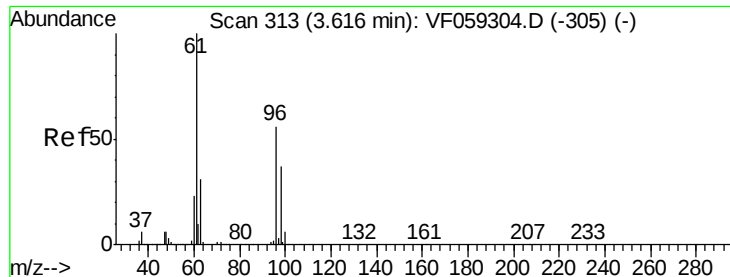
Tgt Ion: 77 Resp: 155924

Ion Ratio Lower Upper

77 100

97 12.0 8.0 23.8



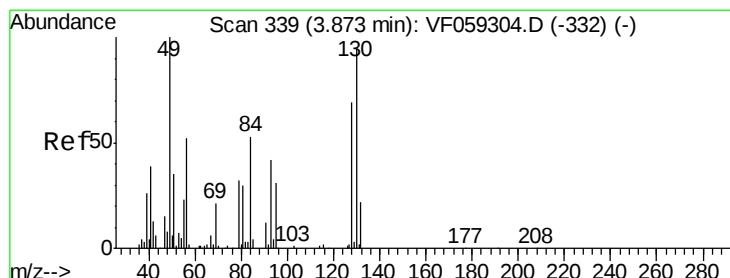
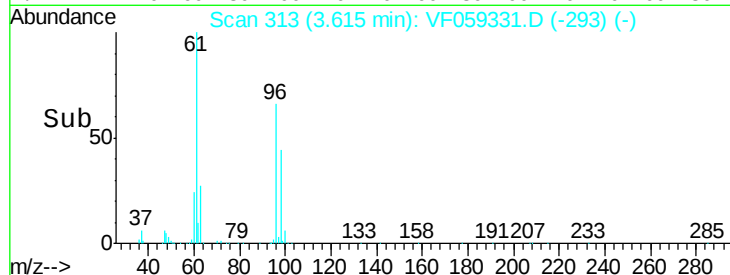
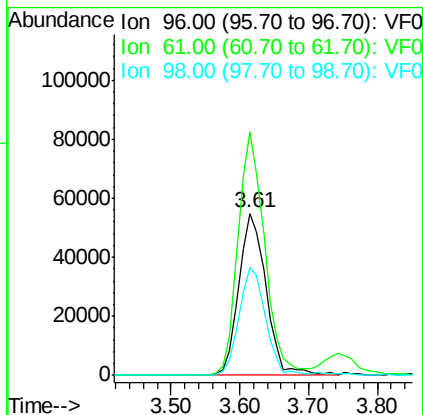
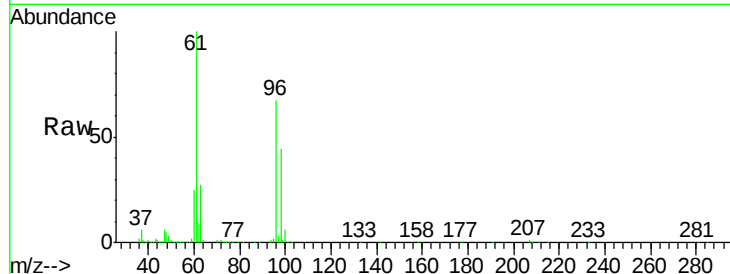


#27

cis-1,2-Dichloroethene
Concen: 52.40 ug/l
RT: 3.61 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

Instrument :
MSVOA_F
ClientSampled :

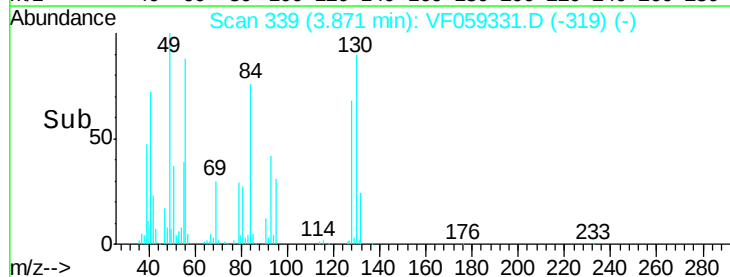
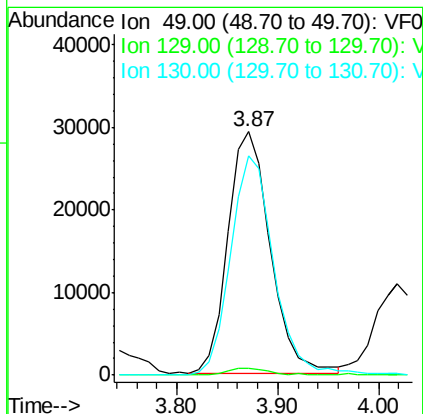
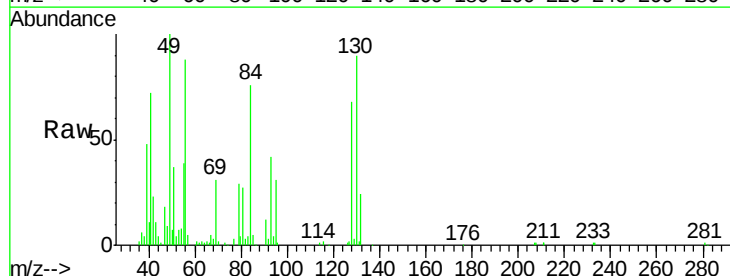
Tot Ion	Ratio	Lower	Upper
96	100		
61	150.2	0.0	355.4
98	66.7	0.0	131.0

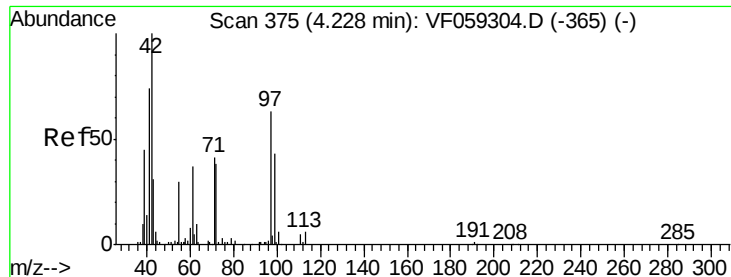


#28

Bromochloromethane
Concen: 48.15 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.00 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	6.4
130	89.8	75.1	112.7





#29

Tetrahydrofuran

Concen: 287.10 ug/l

RT: 4.24 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

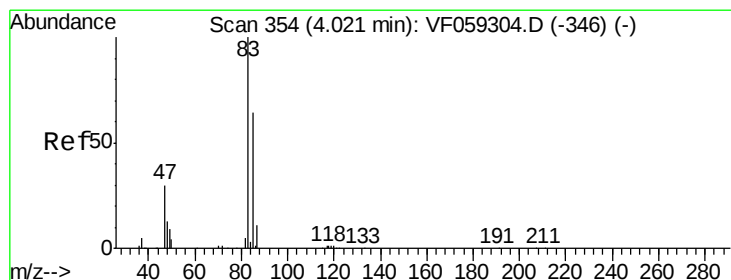
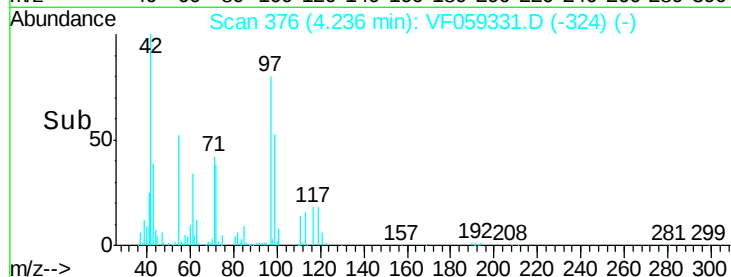
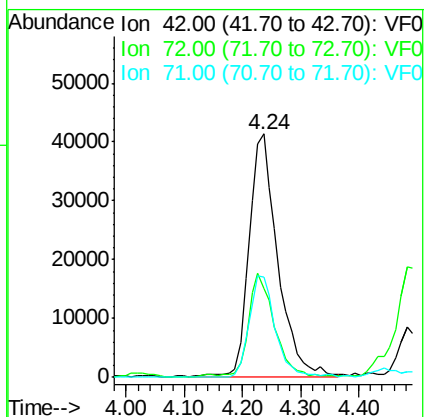
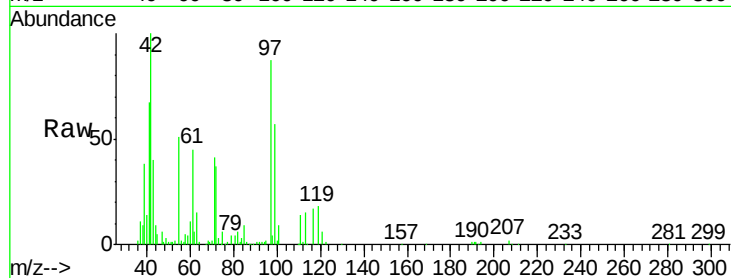
Tot Ion: 42 Resp: 143714

Ion Ratio Lower Upper

42 100

72 37.3 30.5 45.7

71 37.7 32.5 48.7



#30

Chloroform

Concen: 47.77 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF059331.D

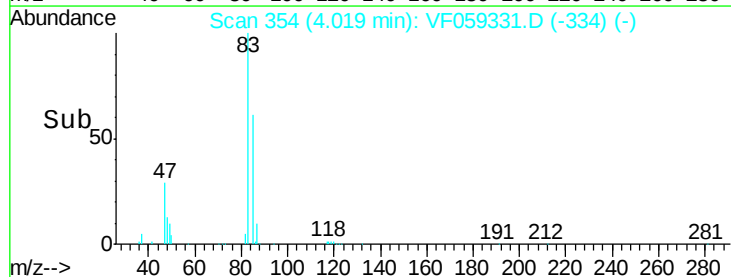
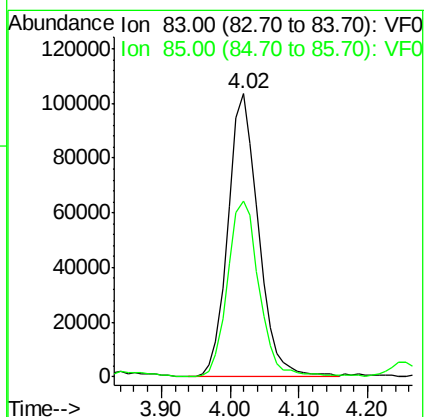
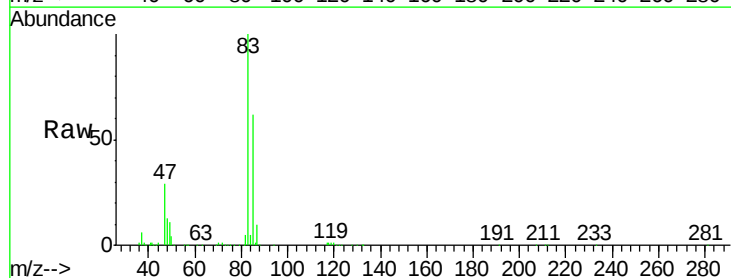
Acq: 27 Jun 2018 11:10

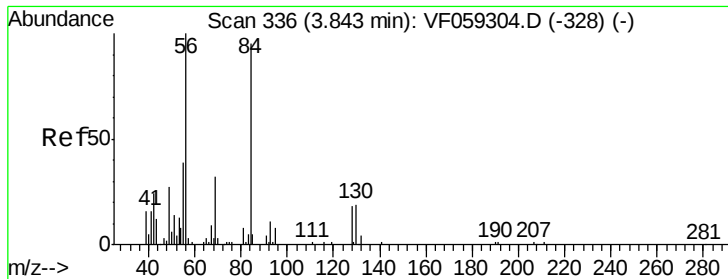
Tgt Ion: 83 Resp: 318021

Ion Ratio Lower Upper

83 100

85 62.0 51.3 76.9





#31

Cyclohexane

Concen: 48.98 ug/l

RT: 3.85 min Scan# 337

Delta R.T. 0.01 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :
MSVOA_F
ClientSampleId :

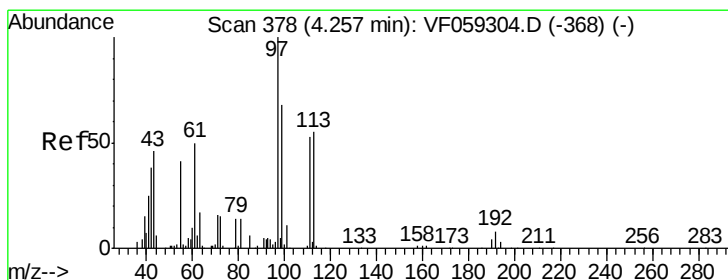
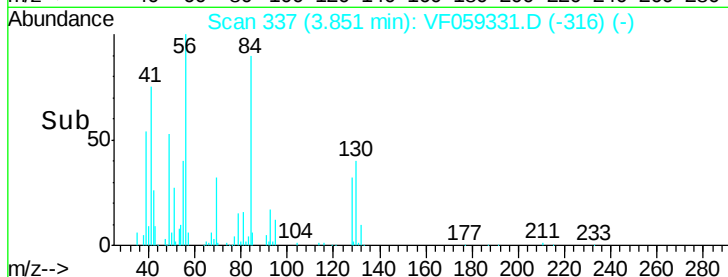
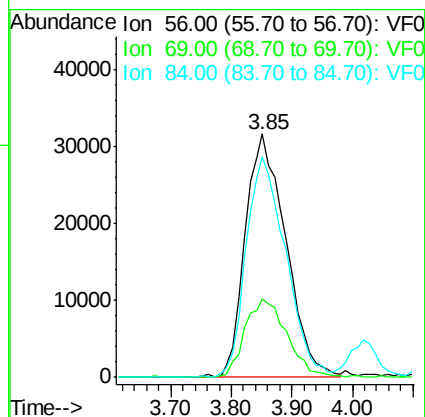
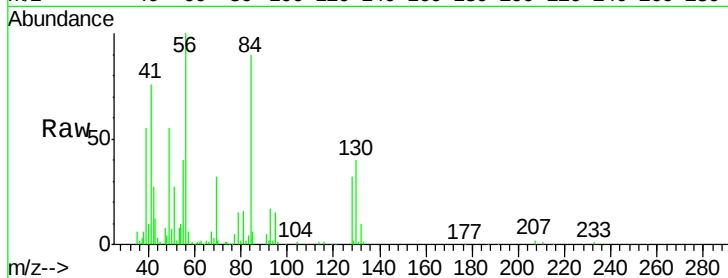
Tot Ion: 56 Resp: 147534

Ion Ratio Lower Upper

56 100

69 32.4 25.8 38.8

84 90.4 75.6 113.4



#32

1,1,1-Trichloroethane

Concen: 47.11 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

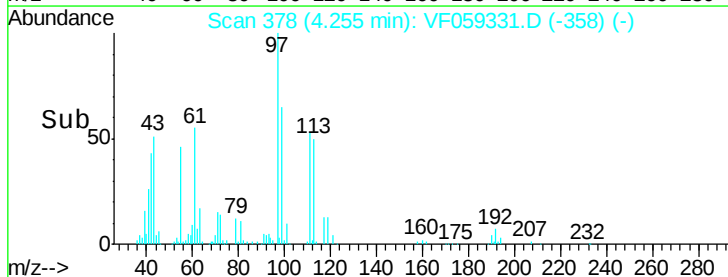
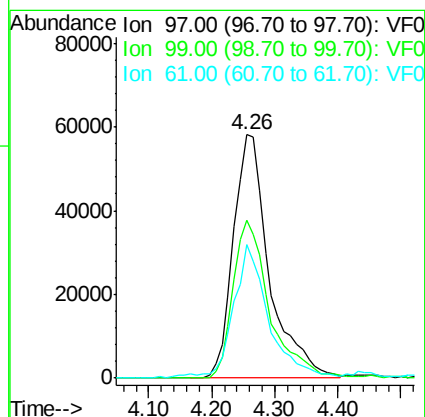
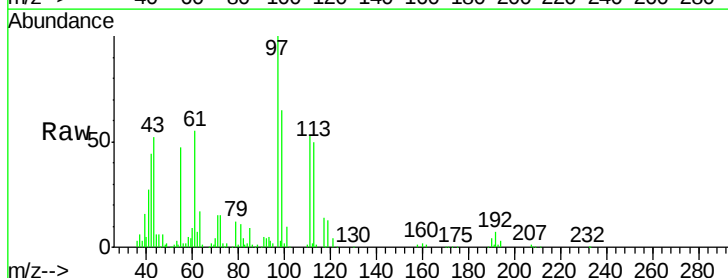
Tgt Ion: 97 Resp: 229509

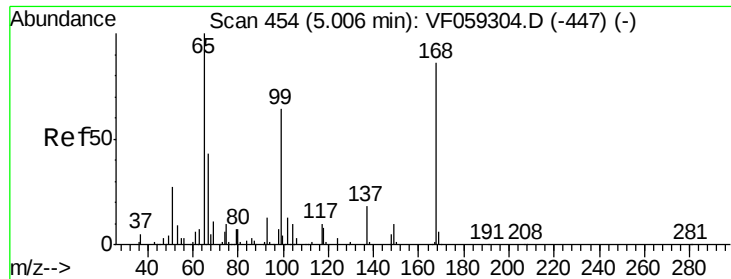
Ion Ratio Lower Upper

97 100

99 64.8 54.1 81.1

61 54.7 41.2 61.8

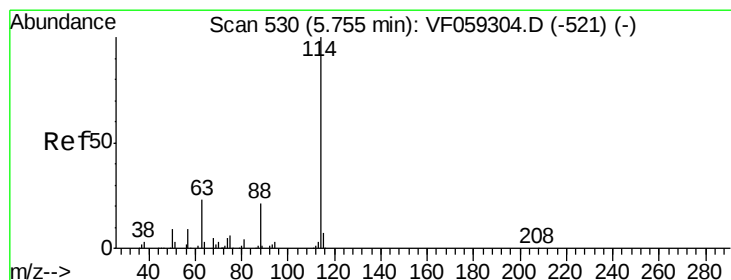
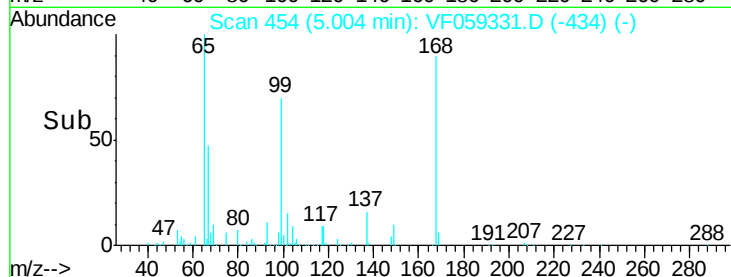
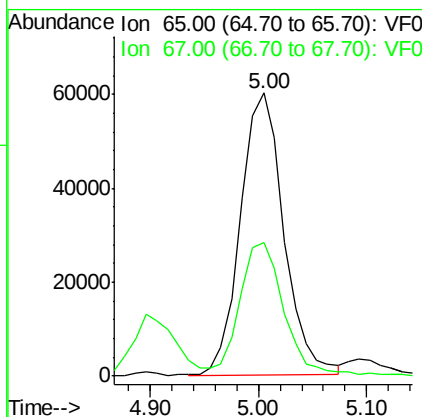
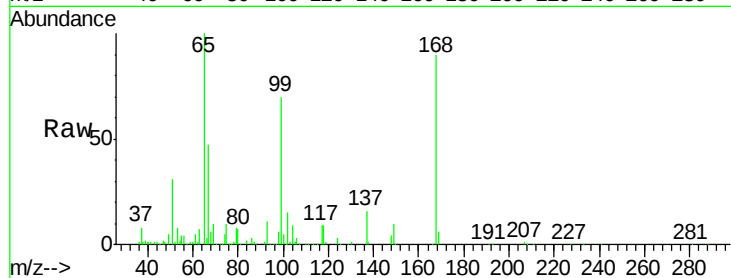




#33
 1,2-Dichloroethane-d4
 Concen: 43.00 ug/l
 RT: 5.00 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: VF059331.D
 Acq: 27 Jun 2018 11:10

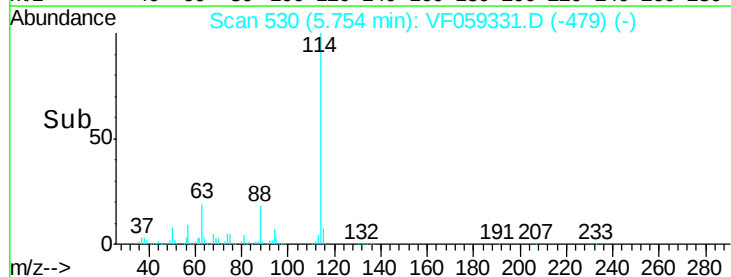
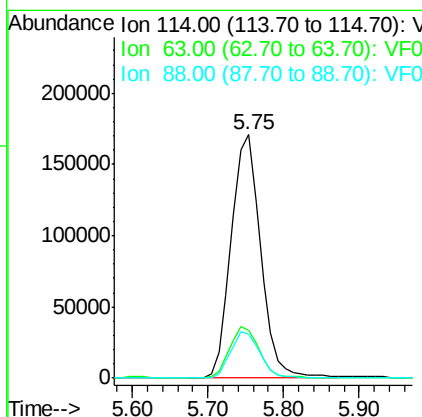
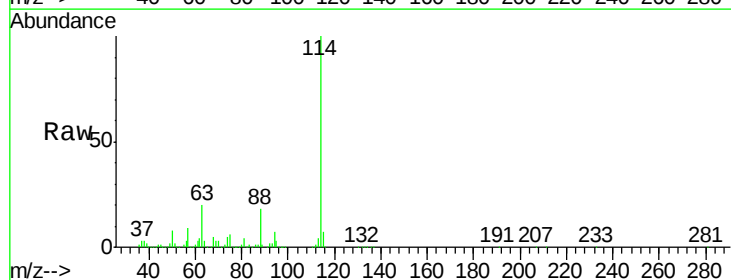
Instrument :
 MSVOA_F
 ClientSampleId :

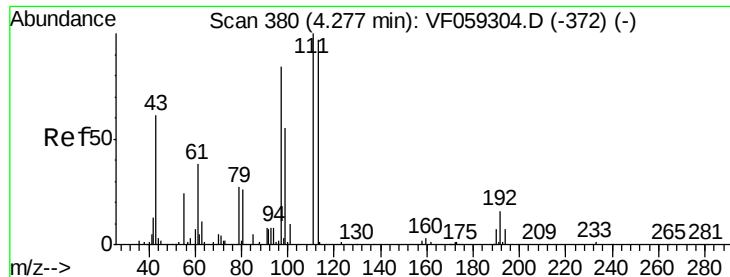
Tot Ion: 65 Resp: 168122
 Ion Ratio Lower Upper
 65 100
 67 47.4 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VF059331.D
 Acq: 27 Jun 2018 11:10

Tgt Ion: 114 Resp: 461558
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 45.8
 88 17.9 0.0 41.2





#35

Dibromofluoromethane

Concen: 44.90 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :
MSVOA_F
ClientSampleId :

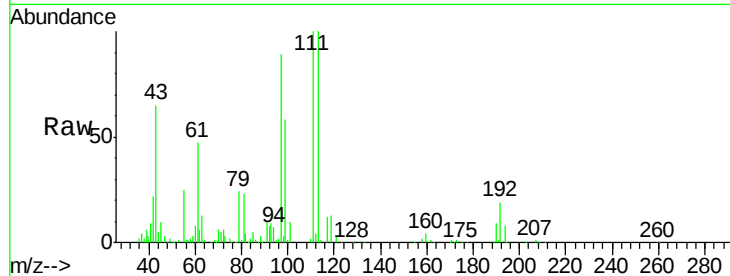
Tot Ion:113 Resp: 151413

Ion Ratio Lower Upper

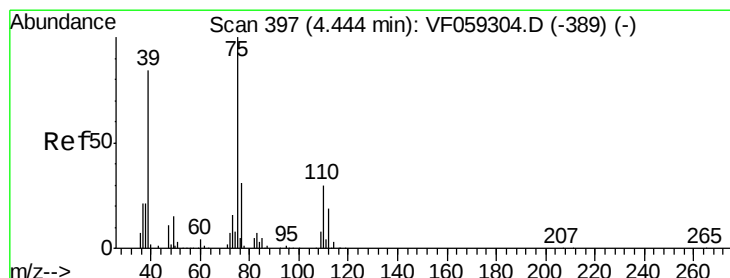
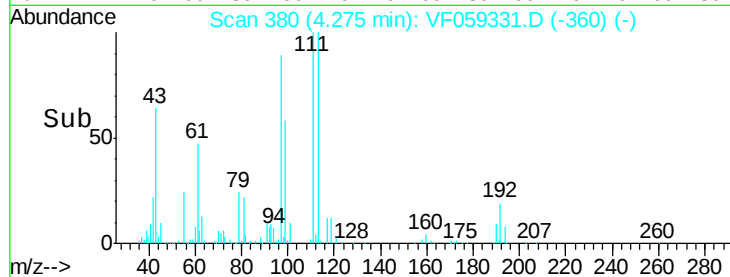
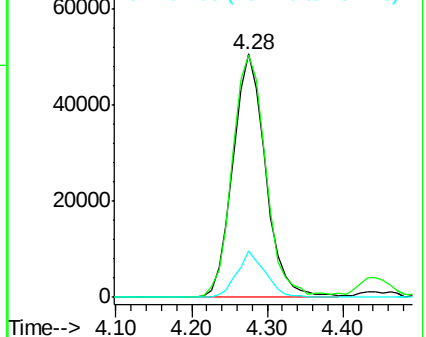
113 100

111 99.7 82.1 123.1

192 19.2 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: 51.13 ug/l

RT: 4.44 min Scan# 397

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

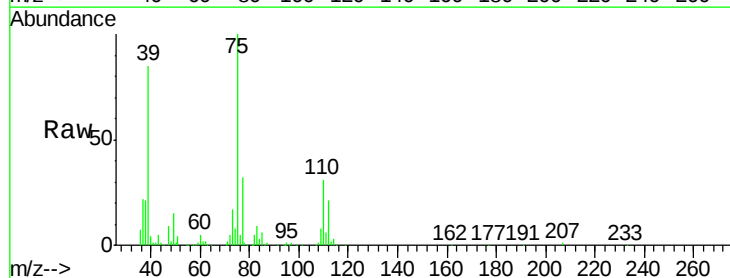
Tgt Ion: 75 Resp: 206167

Ion Ratio Lower Upper

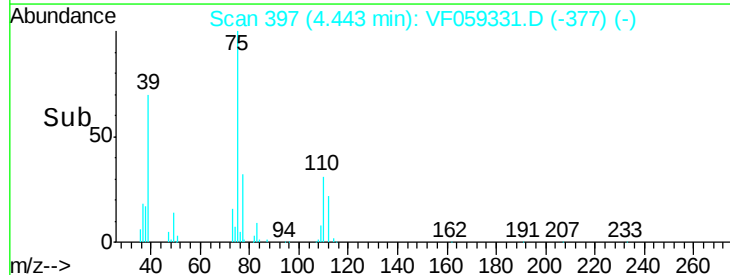
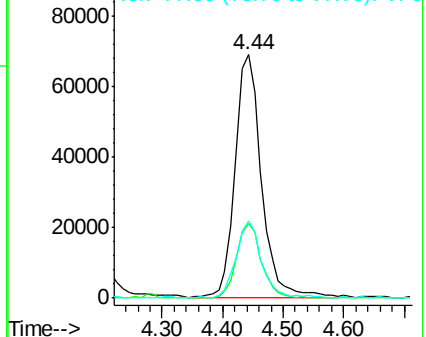
75 100

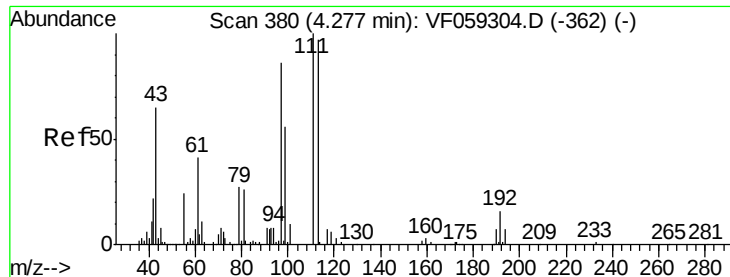
110 30.6 14.8 44.4

77 31.5 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: 53.97 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

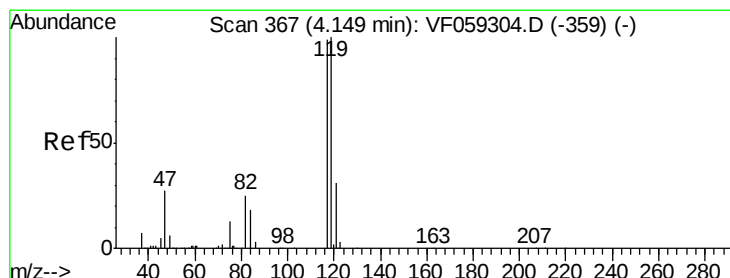
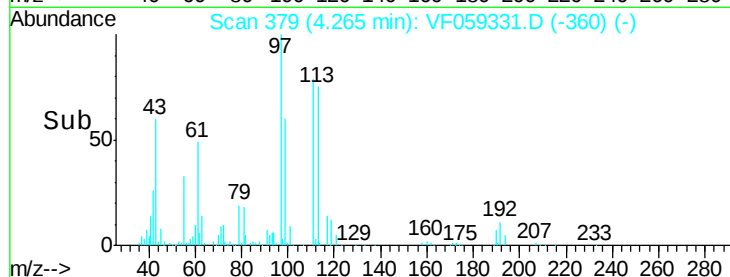
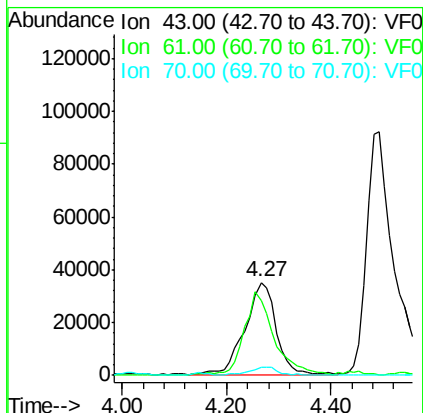
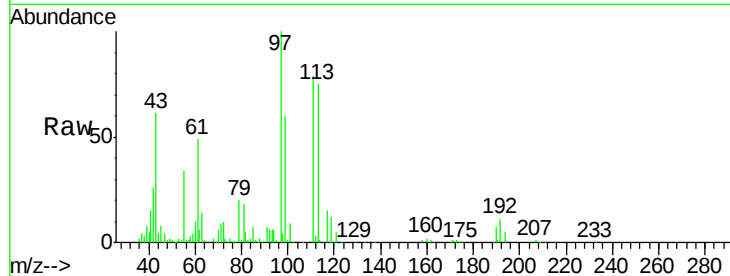
Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 138914

Ion	Ratio	Lower	Upper
43	100		
61	79.8	50.1	75.1#
70	9.1	6.2	9.4



#38

Carbon Tetrachloride

Concen: 46.78 ug/l

RT: 4.16 min Scan# 368

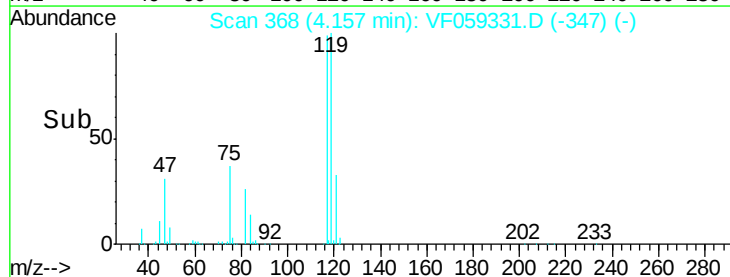
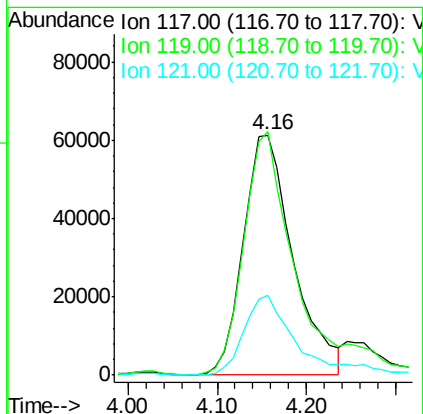
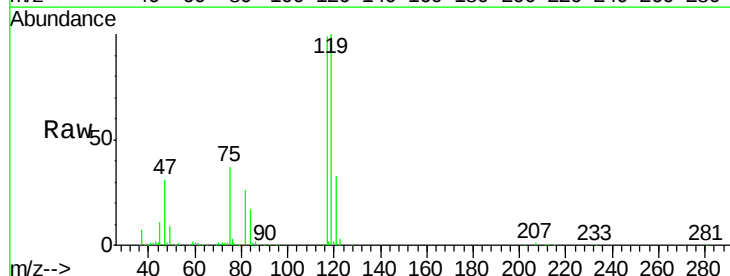
Delta R.T. 0.01 min

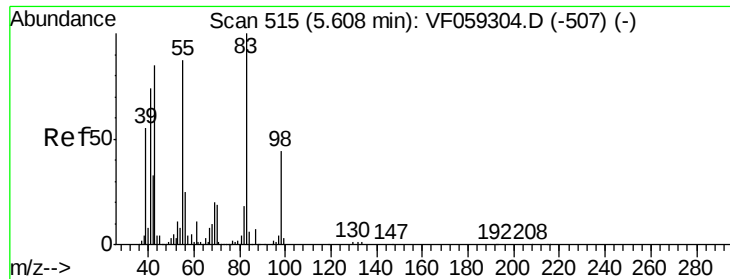
Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Tgt Ion: 117 Resp: 238034

Ion	Ratio	Lower	Upper
117	100		
119	101.3	81.0	121.4
121	33.1	24.7	37.1

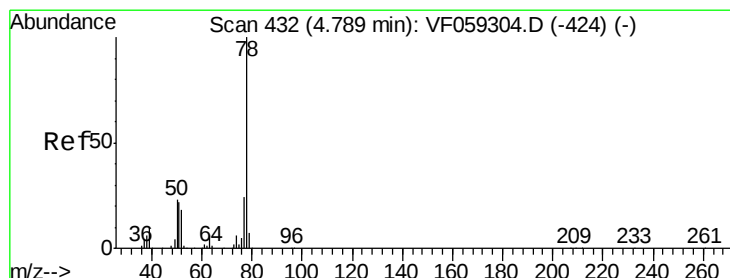
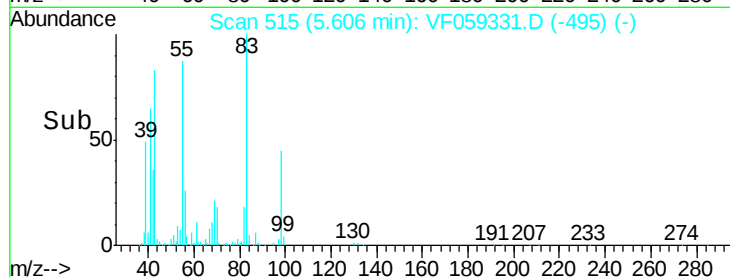
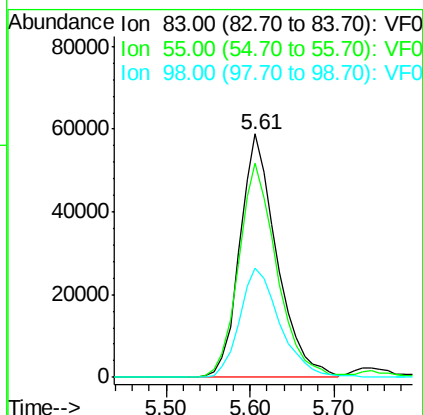
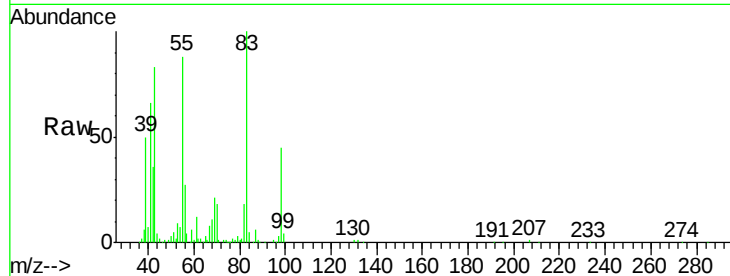




#39
Methvlcvclohexane
Concen: 50.50 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.00 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

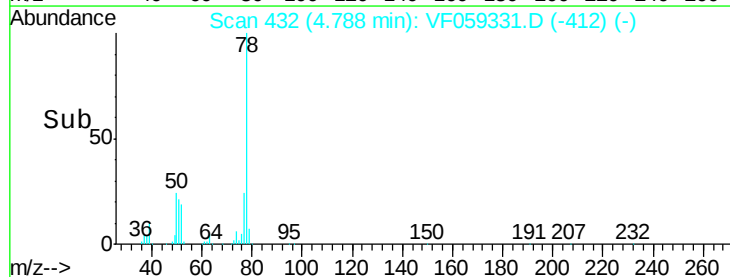
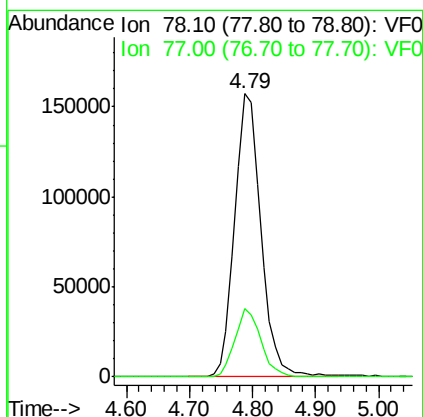
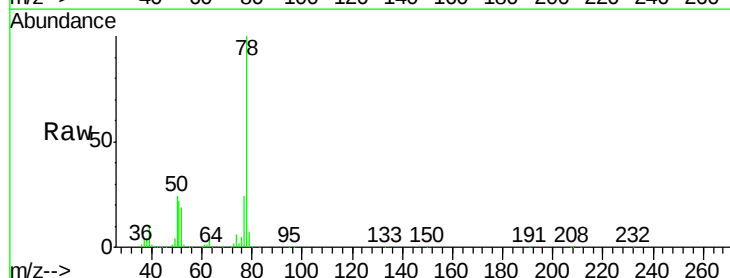
Instrument :
MSVOA_F
ClientSampleId :

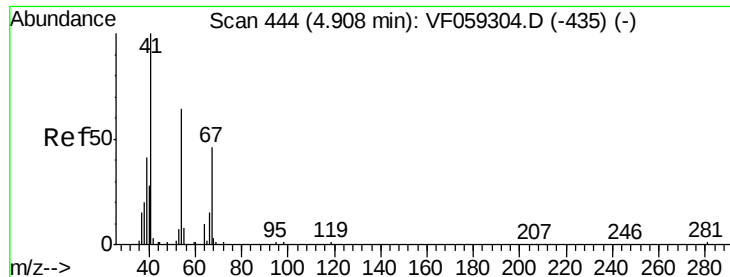
Tot Ion: 83 Resp: 180443
Ion Ratio Lower Upper
83 100
55 87.8 69.2 103.8
98 44.6 35.0 52.6



#40
Benzene
Concen: 50.81 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.00 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

Tgt Ion: 78 Resp: 454231
Ion Ratio Lower Upper
78 100
77 24.1 19.6 29.4

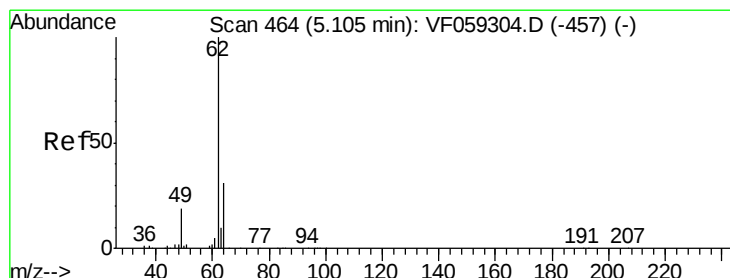
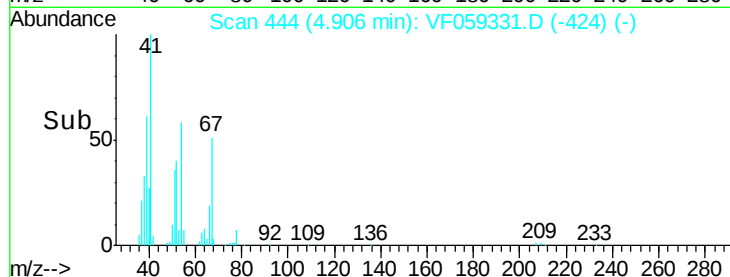
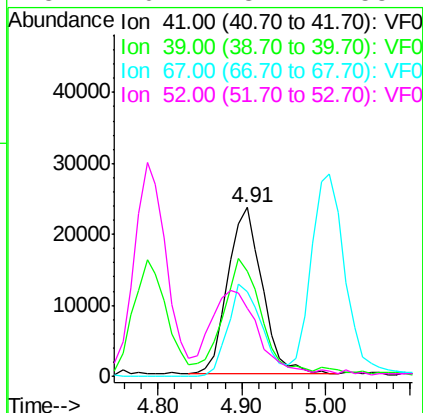
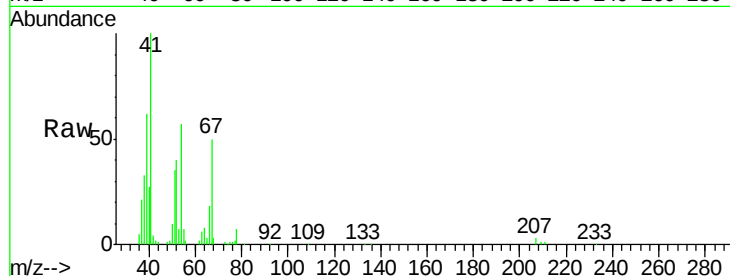




#41
Methacrylonitrile
Concen: 48.95 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

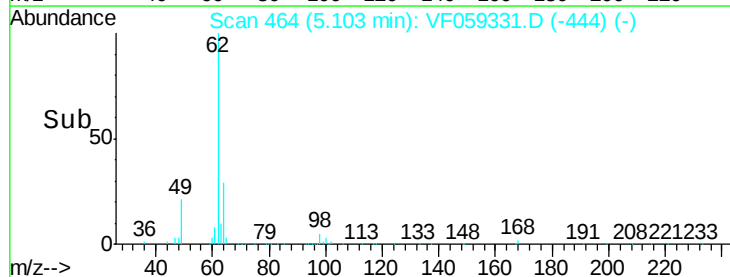
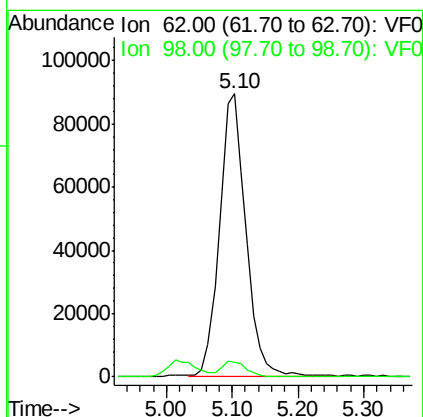
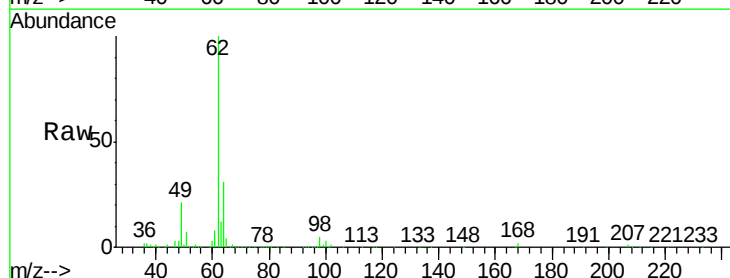
Instrument :
MSVOA_F
ClientSampleId :

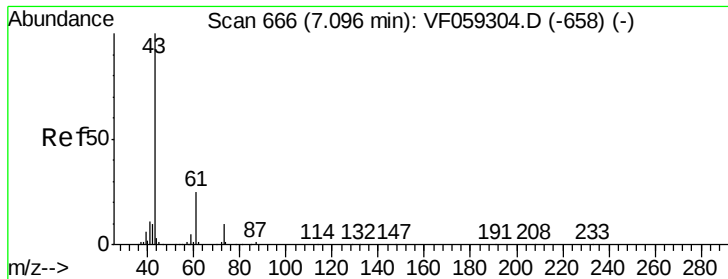
Tot Ion:	41	Resp:	67331
Ion	Ratio	Lower	Upper
41	100		
39	61.9	50.0	75.0
67	49.9	37.0	55.6
52	40.2	37.1	55.7



#42
1,2-Dichloroethane
Concen: 47.44 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.00 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

Tgt Ion:	62	Resp:	247820
Ion	Ratio	Lower	Upper
62	100		
98	5.4	0.0	11.4



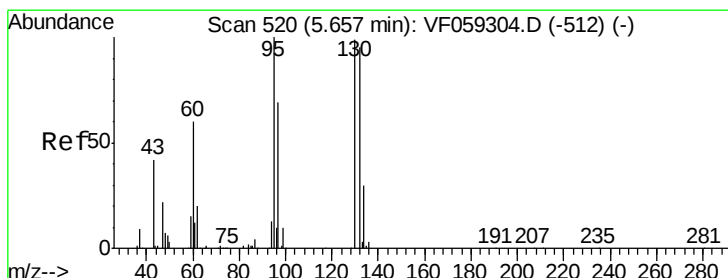
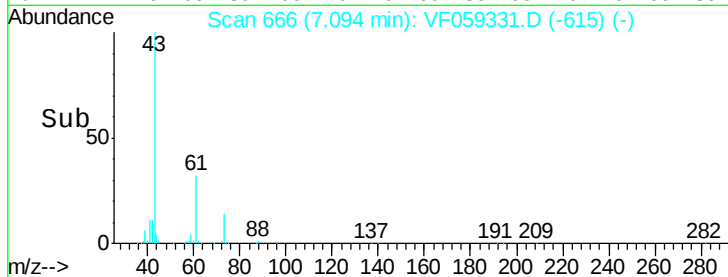
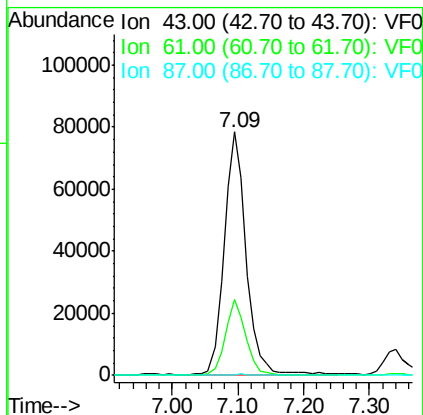
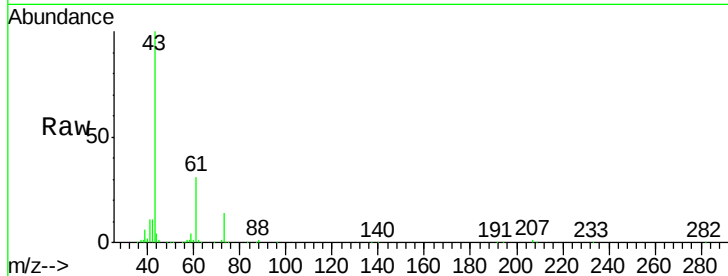


#43

Isopropyl Acetate
 Concen: 54.71 ug/l
 RT: 7.09 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VF059331.D
 Acq: 27 Jun 2018 11:10

Instrument :
 MSVOA_F
 ClientSampleId :

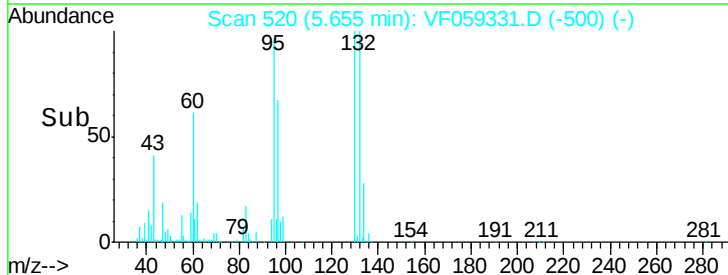
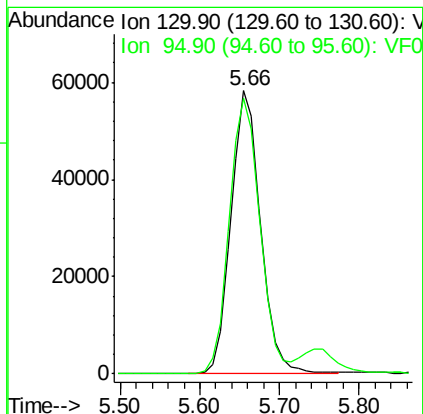
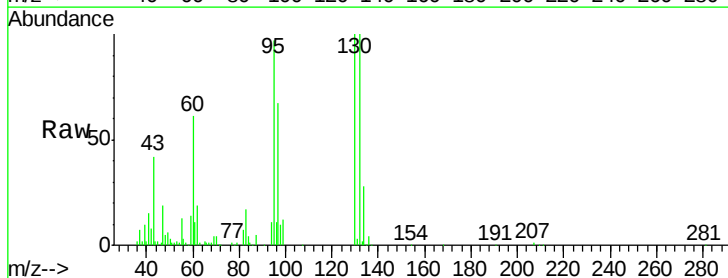
Tot Ion: 43 Resp: 183760
 Ion Ratio Lower Upper
 43 100
 61 31.4 19.7 29.5#
 87 0.4 0.5 0.7#

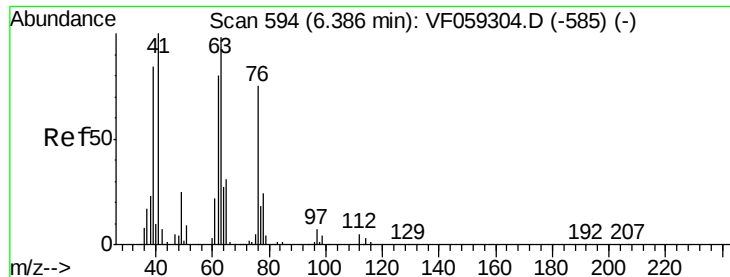


#44

Trichloroethene
 Concen: 49.42 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: VF059331.D
 Acq: 27 Jun 2018 11:10

Tgt Ion:130 Resp: 151553
 Ion Ratio Lower Upper
 130 100
 95 97.2 0.0 202.4





#45

1,2-Dichloropropane

Concen: 50.20 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

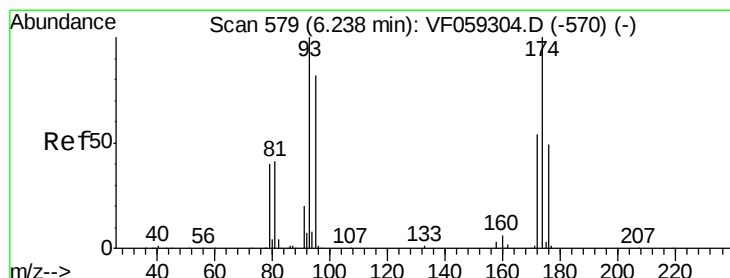
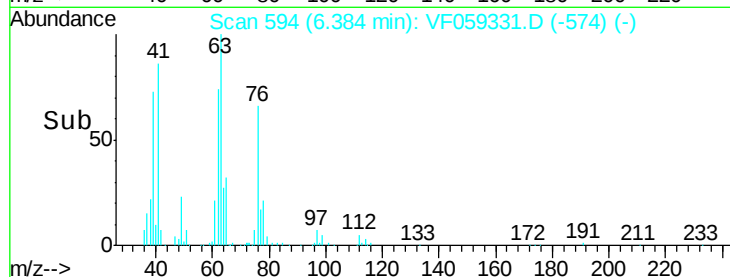
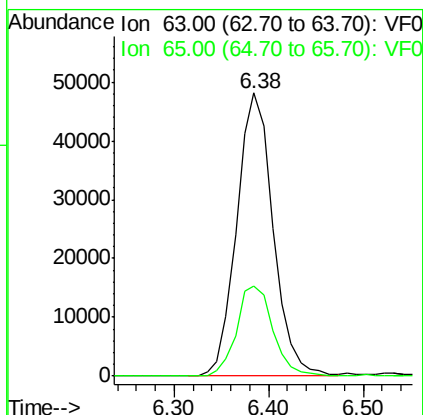
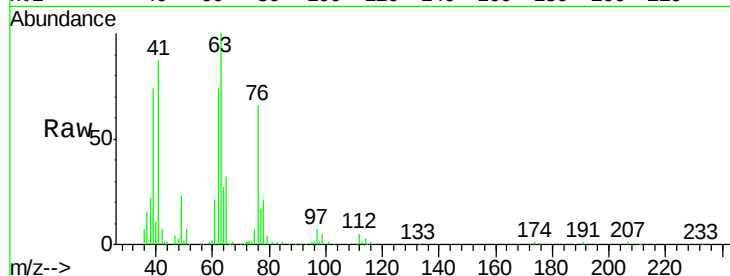
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 63 Resp: 128235

Ion Ratio Lower Upper

63 100

65 32.3 25.3 37.9



#46

Dibromomethane

Concen: 50.83 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

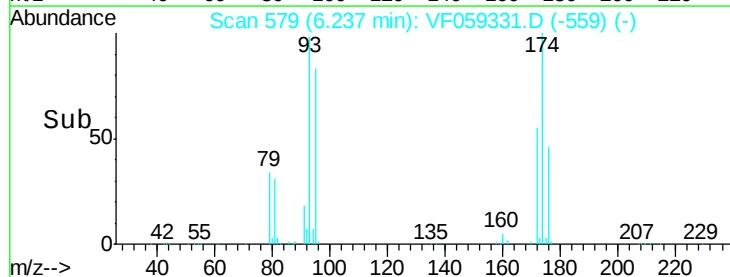
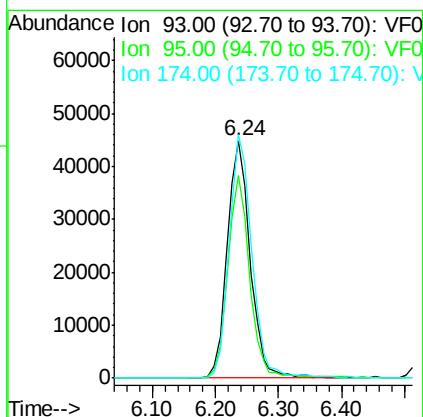
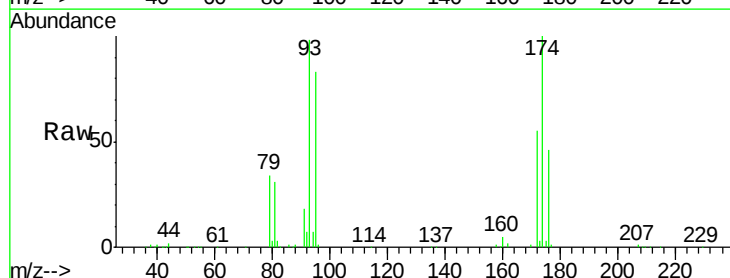
Tgt Ion: 93 Resp: 112683

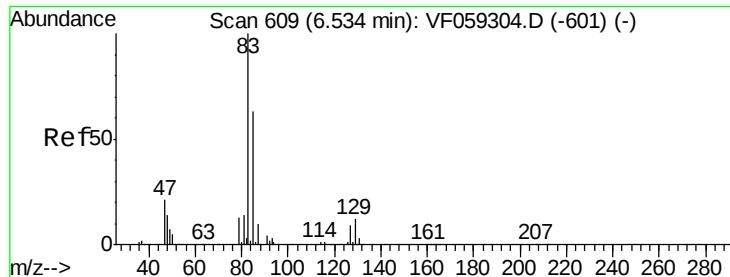
Ion Ratio Lower Upper

93 100

95 85.4 65.6 98.4

174 102.5 80.0 120.0





#47

Bromodichloromethane

Concen: 49.53 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

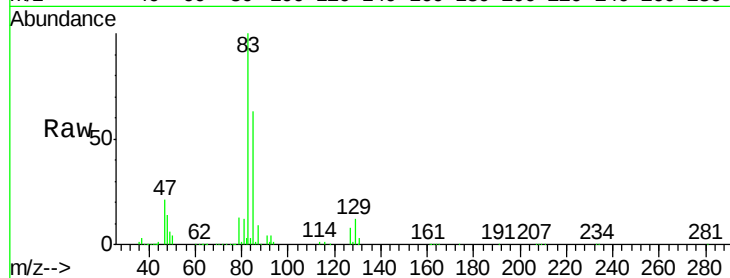
Tot Ion: 83 Resp: 265818

Ion Ratio Lower Upper

83 100

85 63.4 50.2 75.2

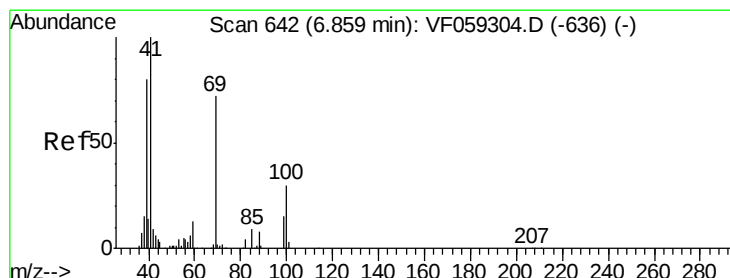
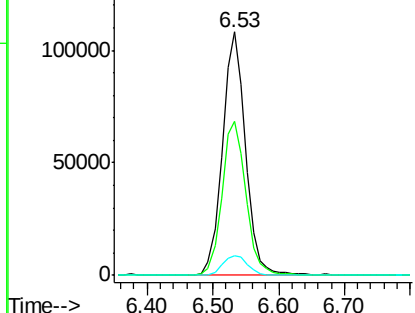
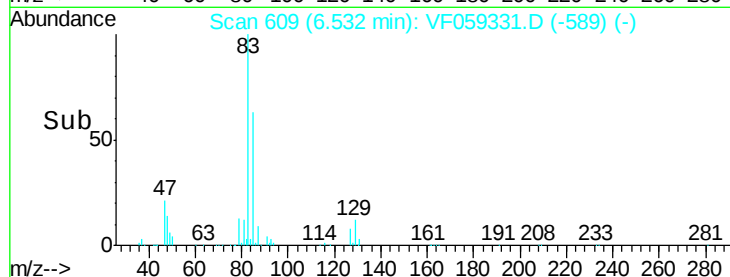
127 8.3 7.0 10.4



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: 51.63 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

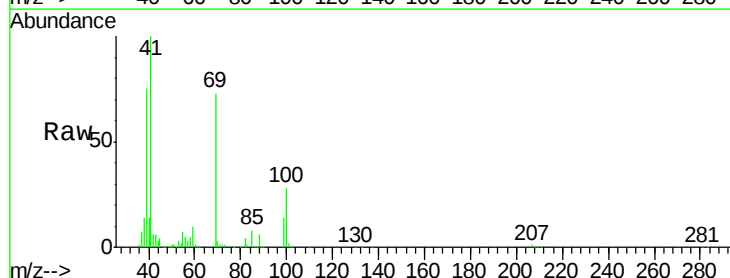
Tgt Ion: 41 Resp: 116223

Ion Ratio Lower Upper

41 100

69 72.6 57.3 85.9

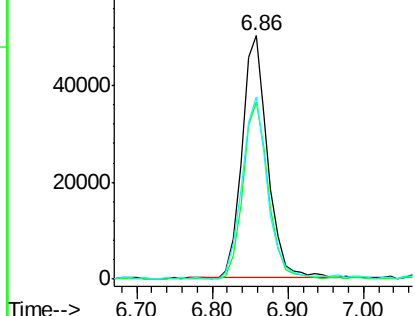
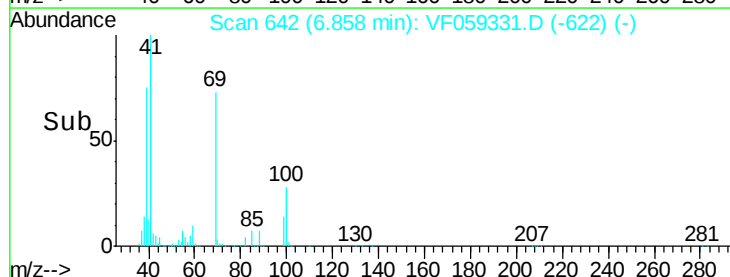
39 75.0 64.4 96.6

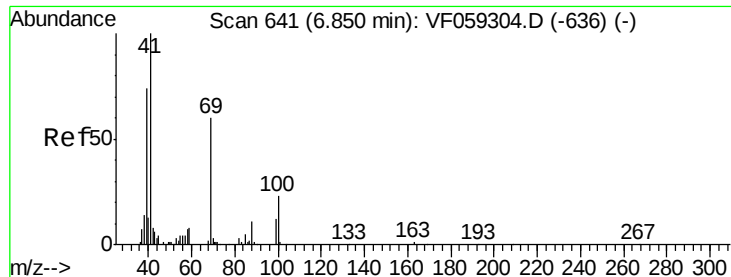


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1153.82 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

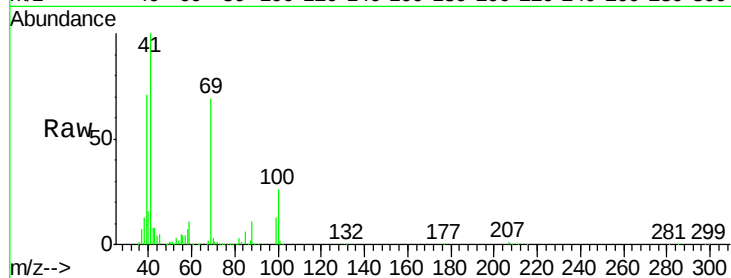
Tot Ion: 88 Resp: 13779

Ion Ratio Lower Upper

88 100

43 74.3 50.6 75.8

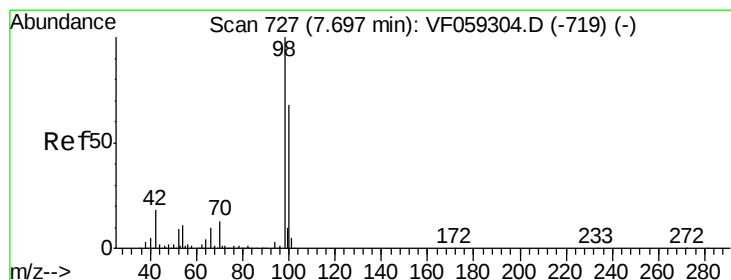
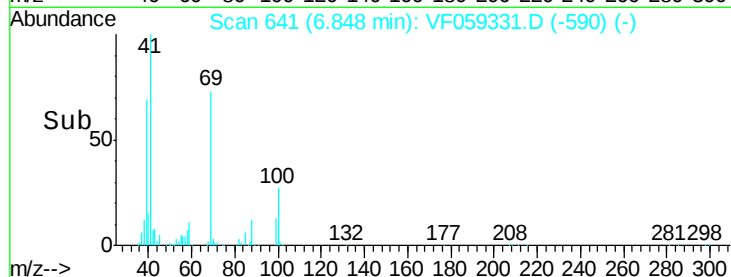
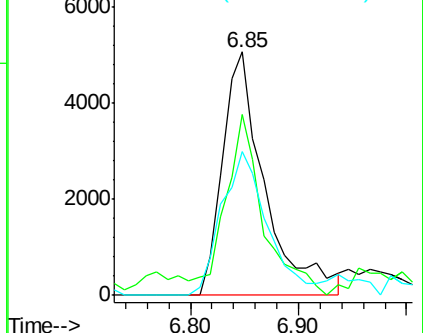
58 59.3 46.6 69.8



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 47.82 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059331.D

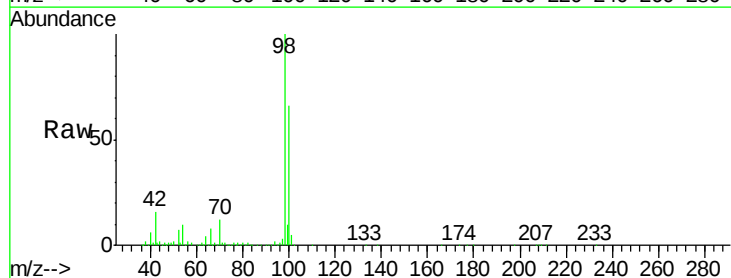
Acq: 27 Jun 2018 11:10

Tgt Ion: 98 Resp: 399295

Ion Ratio Lower Upper

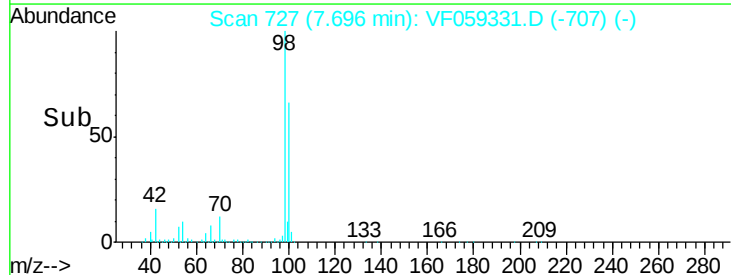
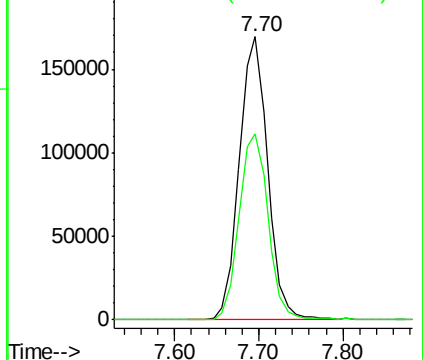
98 100

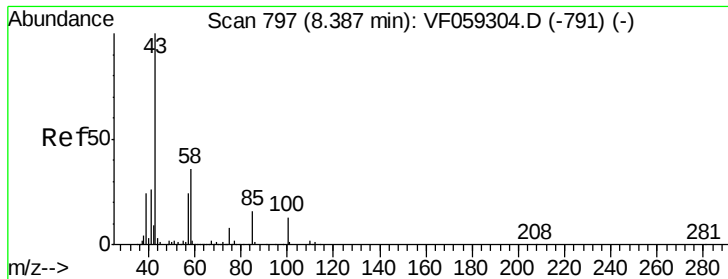
100 65.9 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 262.17 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

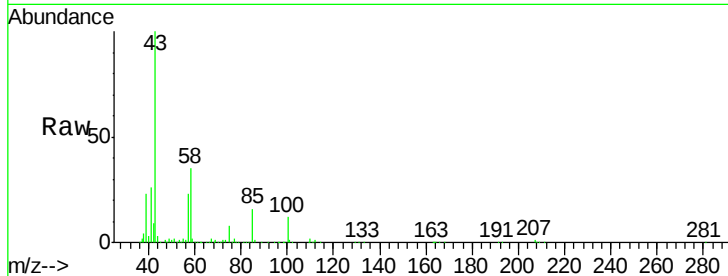
ClientSampleId :

Tot Ion: 43 Resp: 652333

Ion Ratio Lower Upper

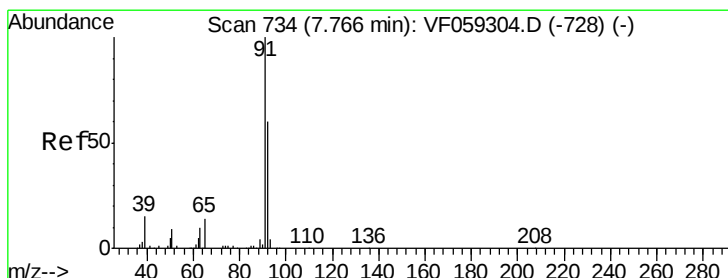
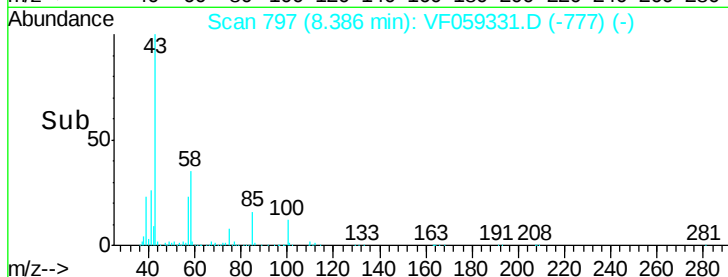
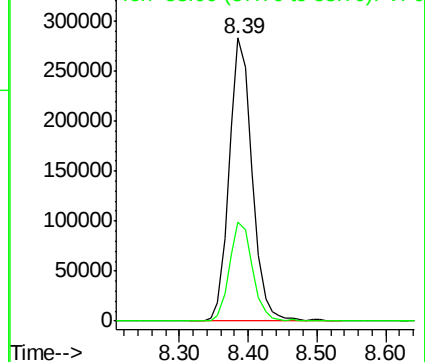
43 100

58 35.1 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 48.06 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059331.D

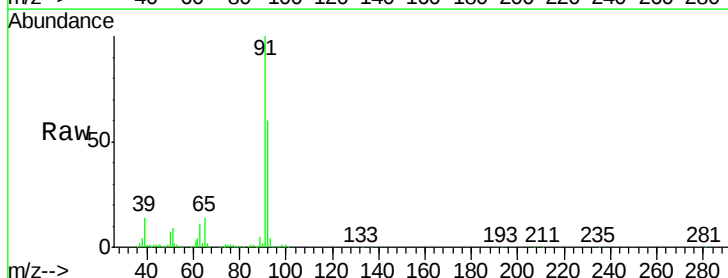
Acq: 27 Jun 2018 11:10

Tgt Ion: 92 Resp: 321516

Ion Ratio Lower Upper

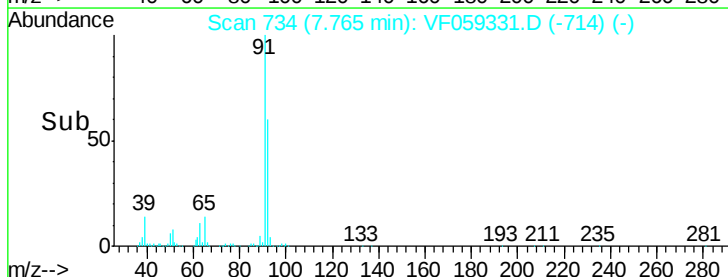
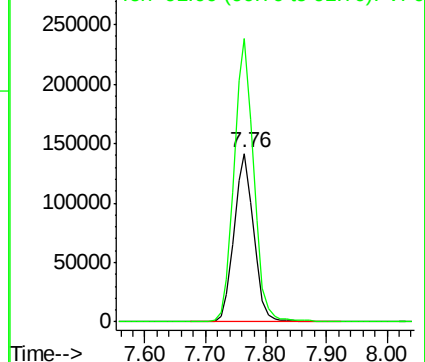
92 100

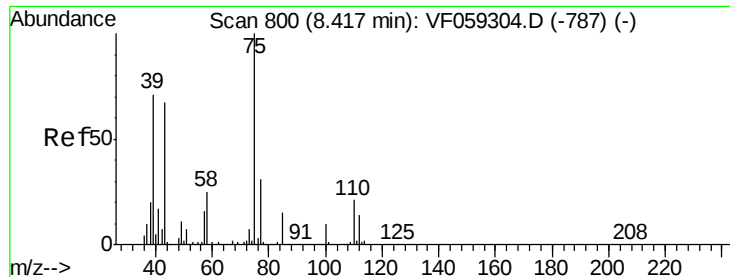
91 167.7 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 50.10 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

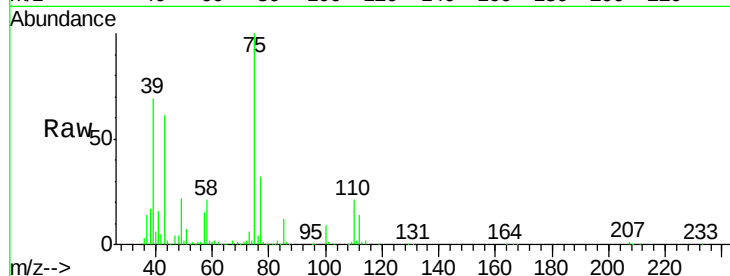
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 245047

Ion Ratio Lower Upper

75 100

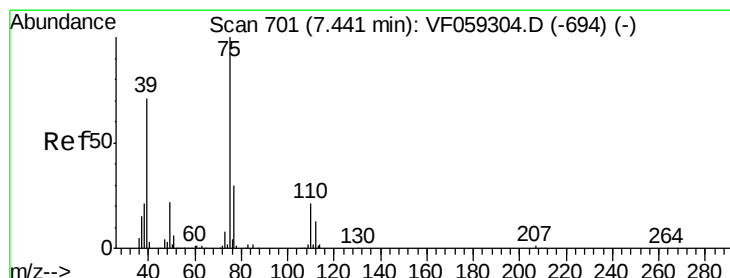
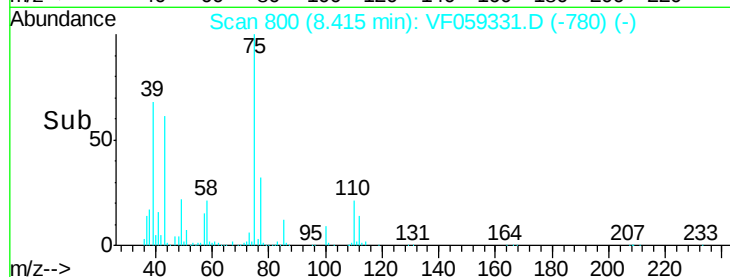
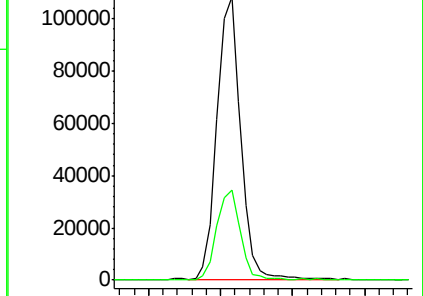
77 31.7 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.42



#54

cis-1,3-Dichloropropene

Concen: 51.69 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

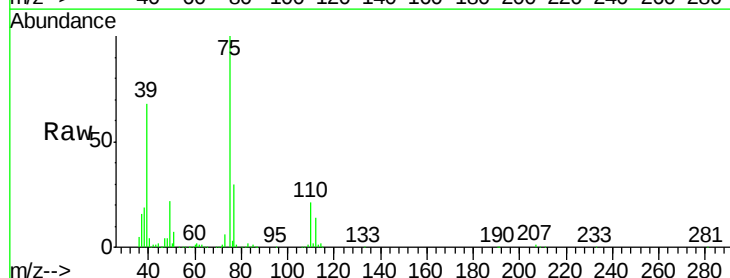
Tgt Ion: 75 Resp: 274668

Ion Ratio Lower Upper

75 100

77 29.7 24.3 36.5

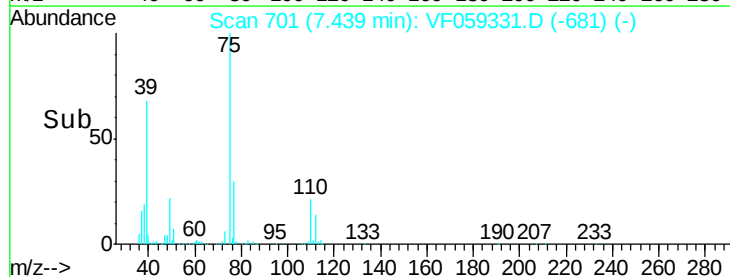
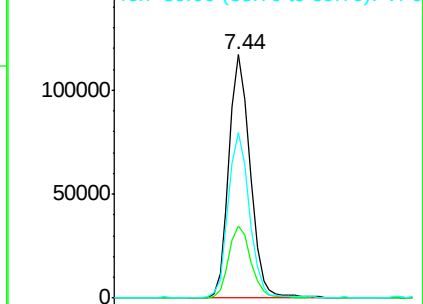
39 68.2 57.2 85.8

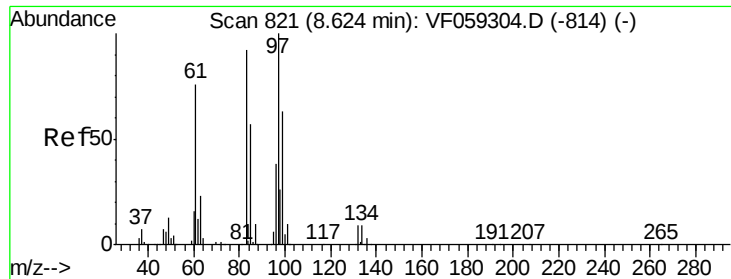


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 50.77 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 131879

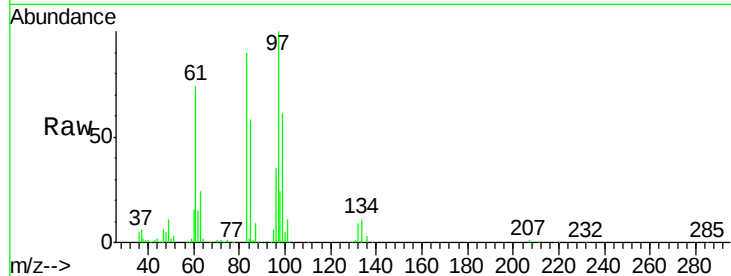
Ion	Ratio	Lower	Upper
97	100		
83	89.5	73.8	110.8
85	57.8	45.5	68.3
99	61.3	50.7	76.1

97 100

83 89.5 73.8 110.8

85 57.8 45.5 68.3

99 61.3 50.7 76.1



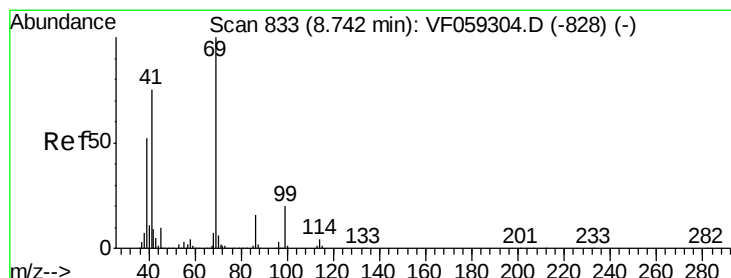
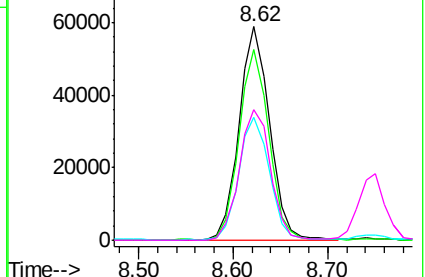
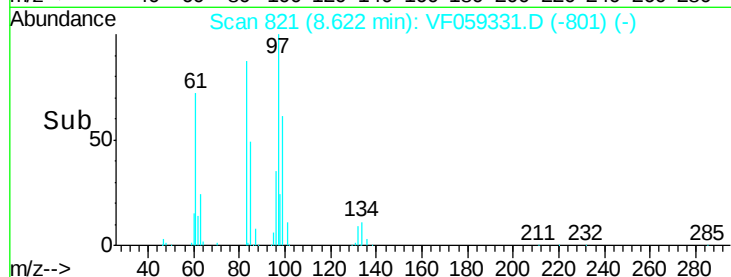
Abundance Ion 97.00 (96.70 to 97.70): VF0

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

Time-->



#56

Ethyl methacrylate

Concen: 53.81 ug/l

RT: 8.74 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

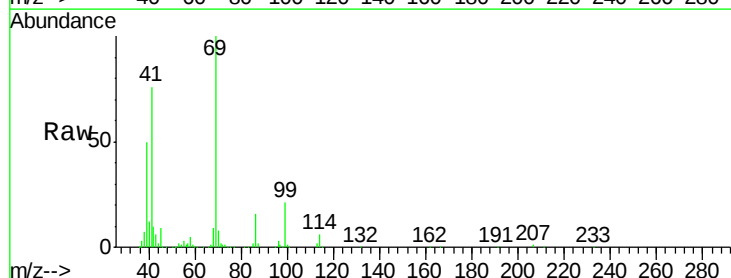
Tgt Ion: 69 Resp: 173143

Ion	Ratio	Lower	Upper
69	100		
41	75.8	60.3	90.5
39	50.0	42.2	63.4

69 100

41 75.8 60.3 90.5

39 50.0 42.2 63.4

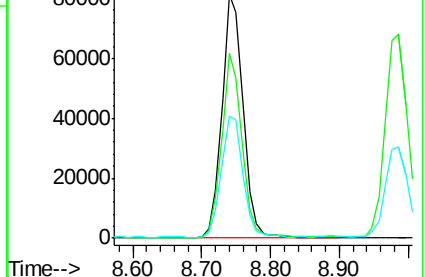
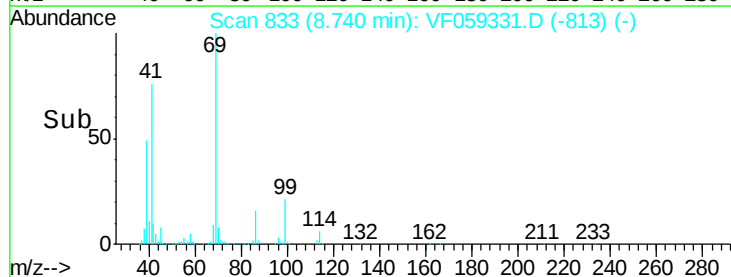


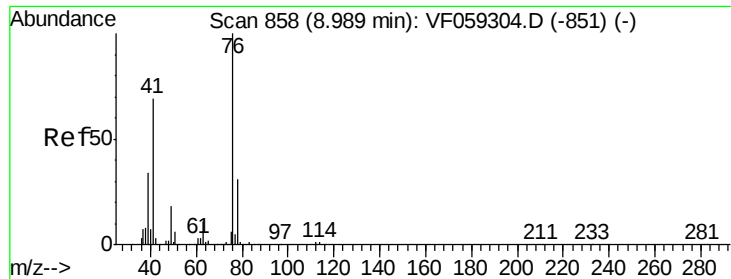
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->

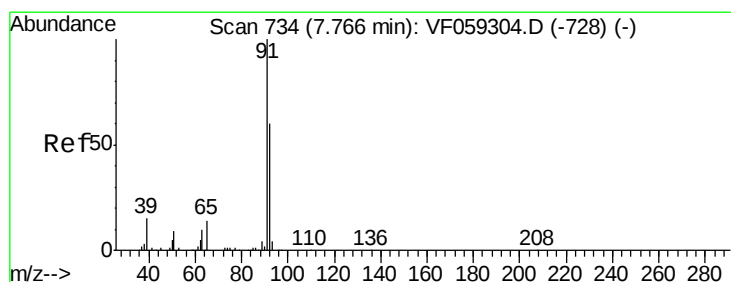
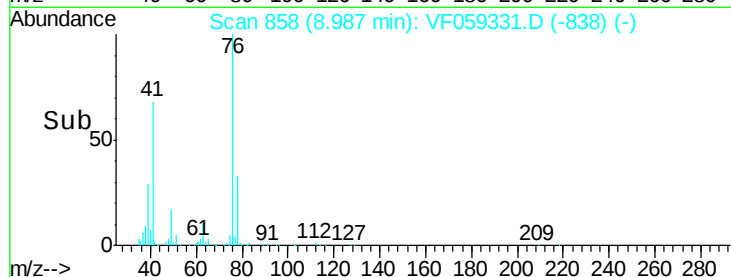
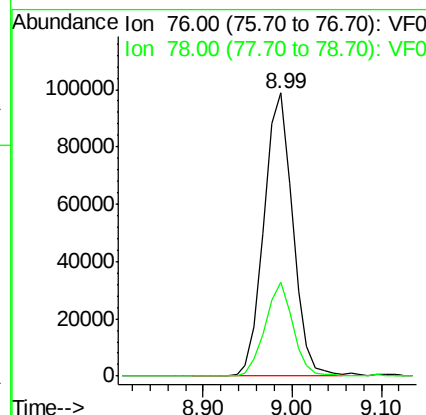
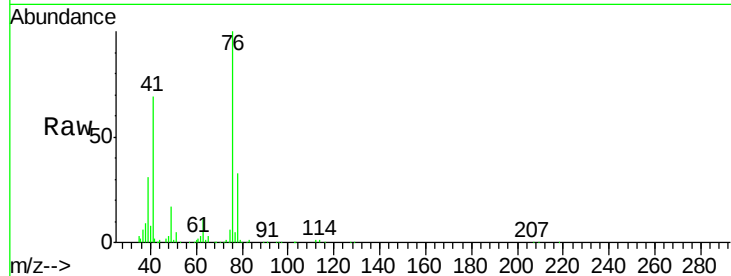




#57
 1,3-Dichloropropane
 Concen: 49.35 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VF059331.D
 Acq: 27 Jun 2018 11:10

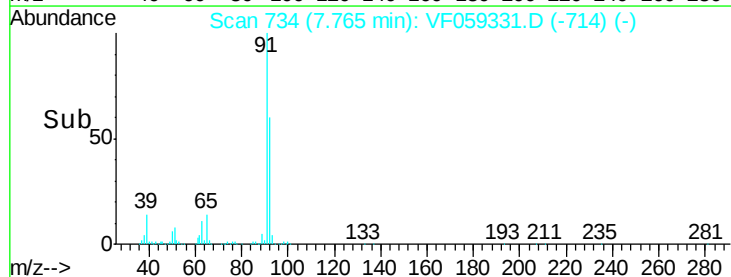
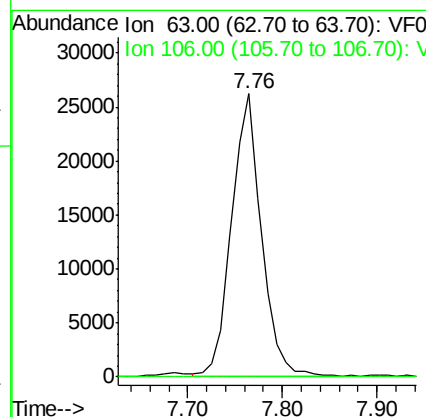
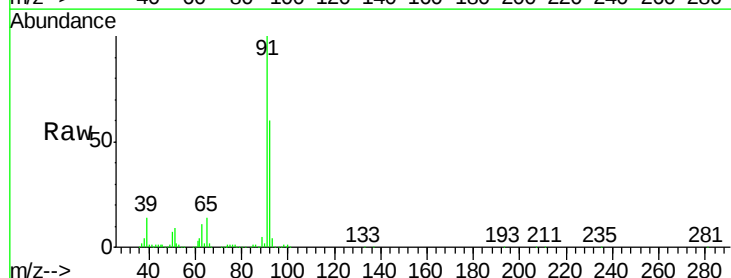
Instrument :
 MSVOA_F
 ClientSampled :

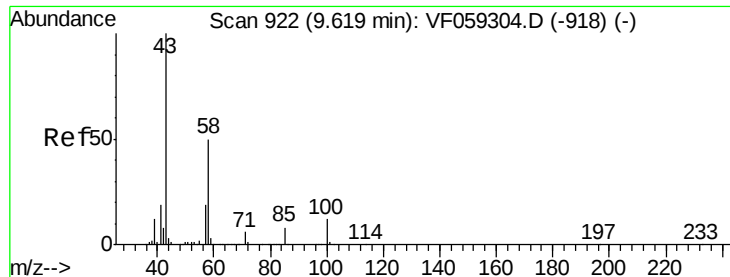
Tot Ion: 76 Resp: 219812
 Ion Ratio Lower Upper
 76 100
 78 33.4 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.66 ug/l
 RT: 7.76 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VF059331.D
 Acq: 27 Jun 2018 11:10

Tgt Ion: 63 Resp: 57351
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

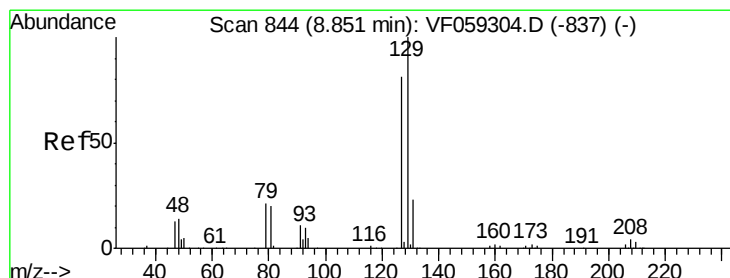
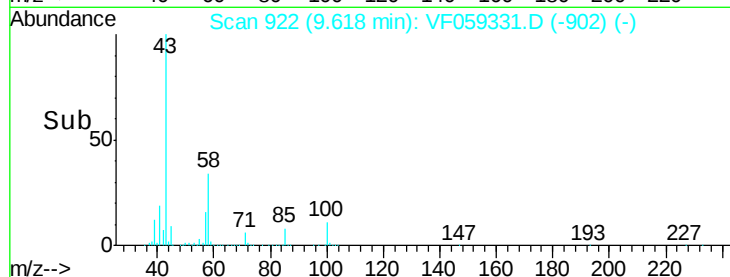
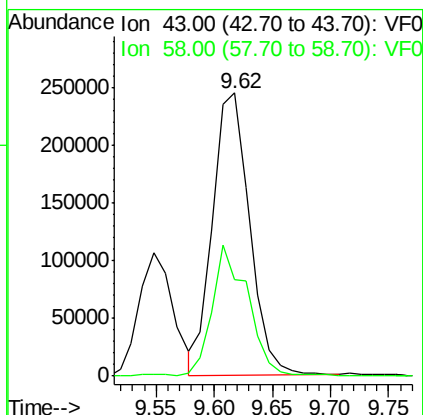
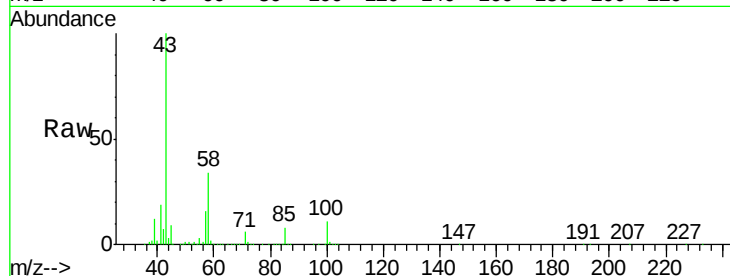




#59
2-Hexanone
Concen: 291.29 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

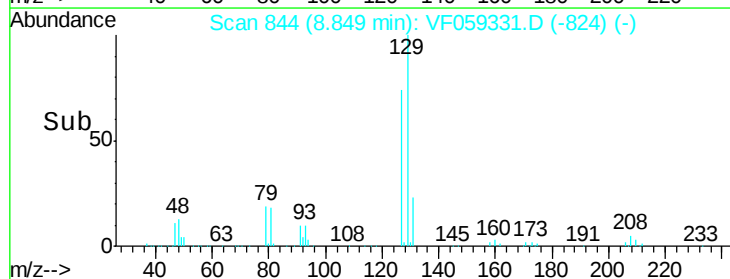
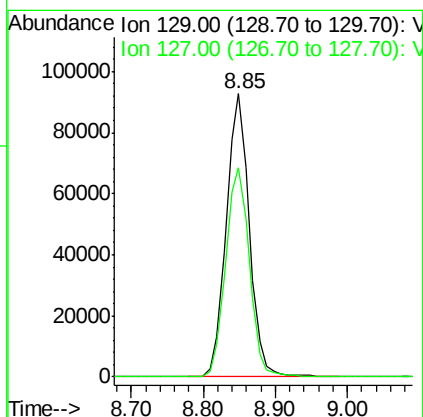
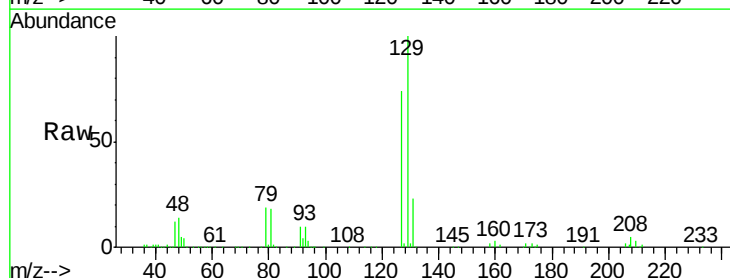
Instrument :
MSVOA_F
ClientSampled :

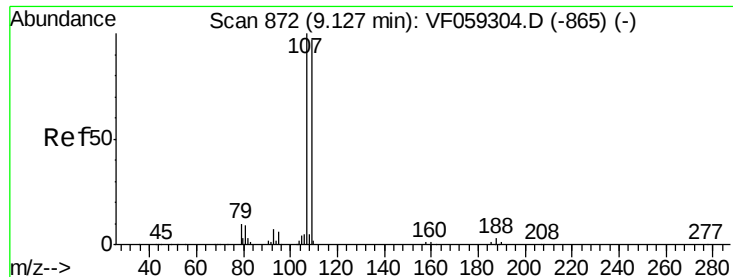
Tot Ion: 43 Resp: 539273
Ion Ratio Lower Upper
43 100
58 34.3 23.3 69.9



#60
Dibromochloromethane
Concen: 51.35 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

Tgt Ion: 129 Resp: 205921
Ion Ratio Lower Upper
129 100
127 73.7 40.7 122.1





#61

1,2-Dibromoethane

Concen: 49.49 ug/l

RT: 9.11 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

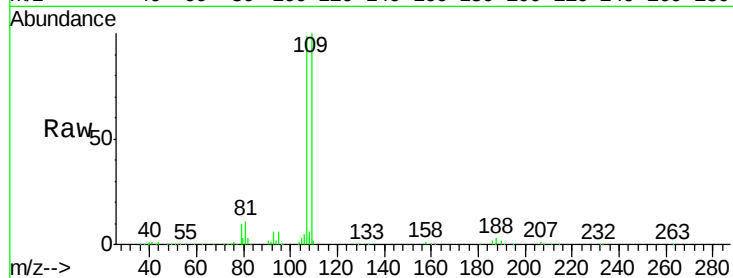
ClientSampleId :

Tot Ion:107 Resp: 155894

Ion Ratio Lower Upper

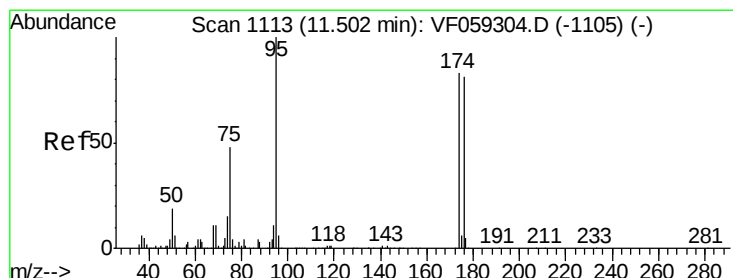
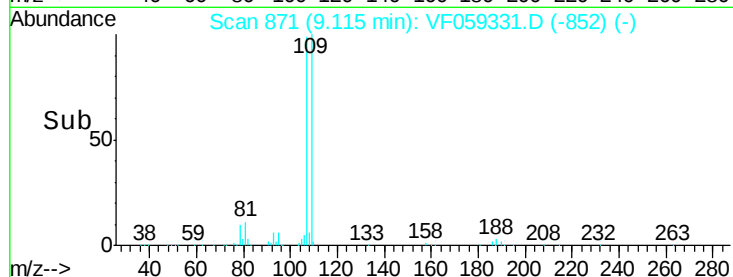
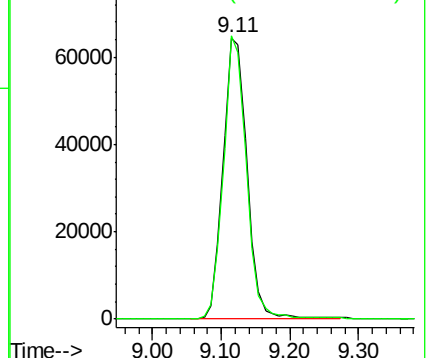
107 100

109 100.6 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: 45.10 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

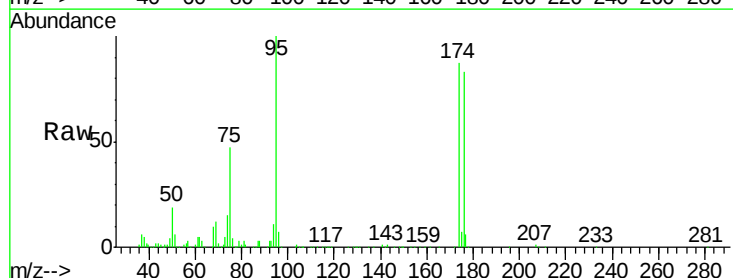
Tgt Ion: 95 Resp: 212419

Ion Ratio Lower Upper

95 100

174 86.8 0.0 165.2

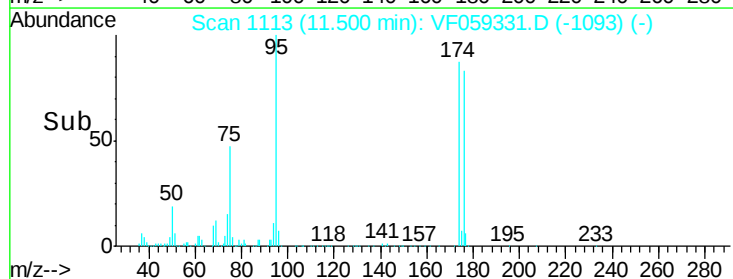
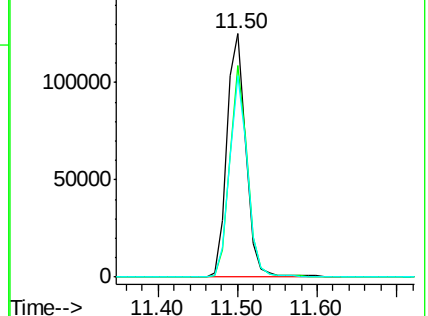
176 82.7 0.0 161.0

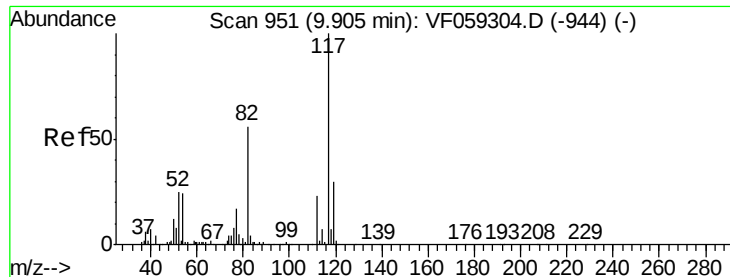


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

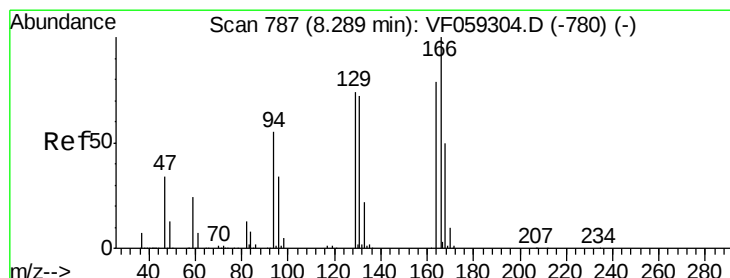
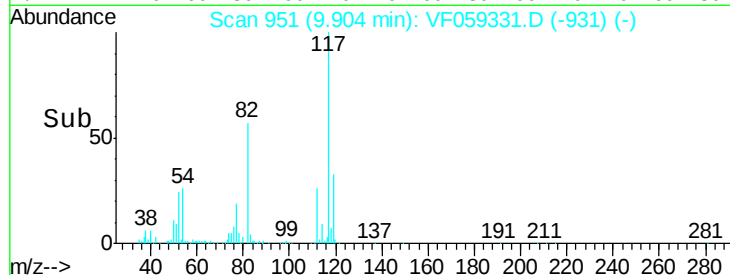
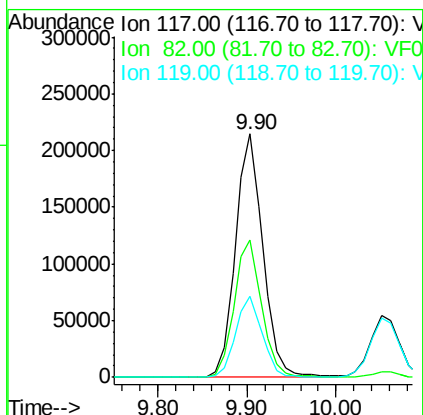
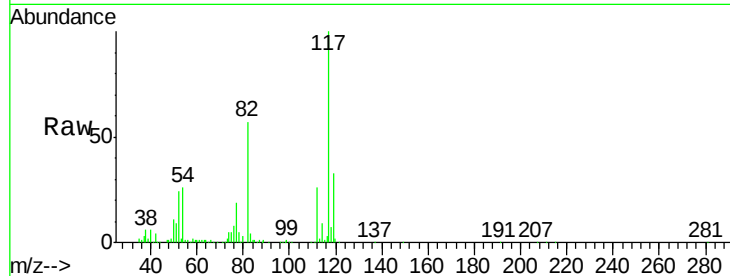




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

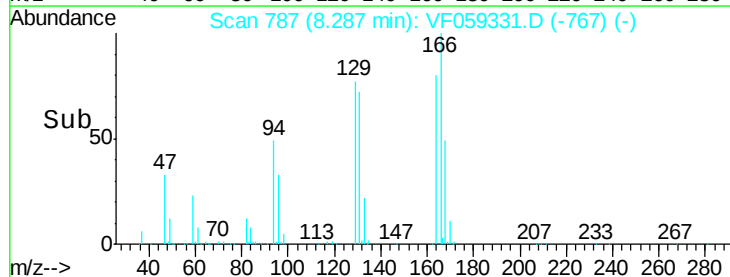
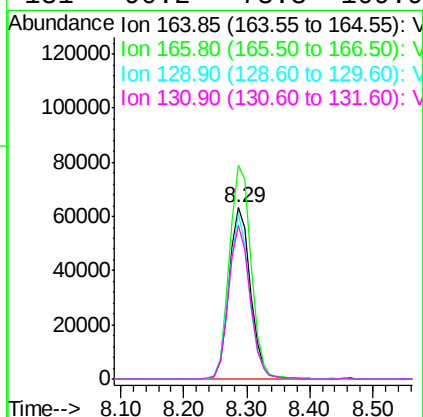
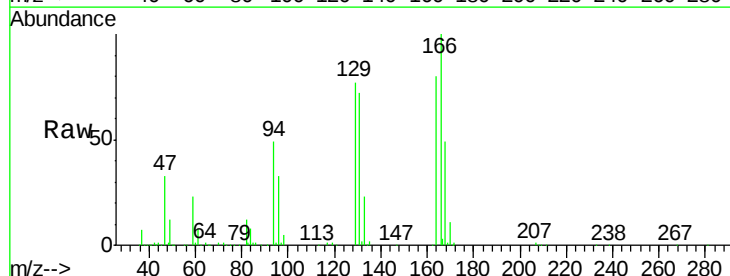
Instrument :
MSVOA_F
ClientSampled :

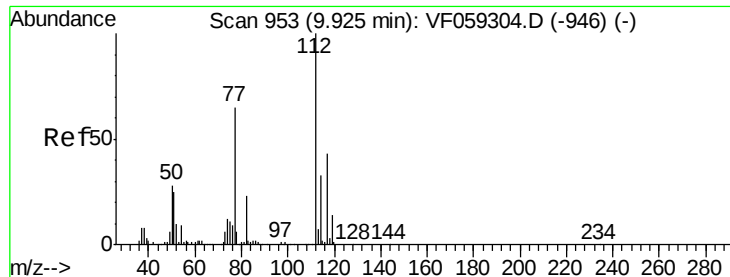
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	44.6	66.8
119	33.2	24.1	36.1



#64
Tetrachloroethene
Concen: 49.50 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	101.1	151.7
129	96.6	75.0	112.4
131	90.2	73.3	109.9





#65

Chlorobenzene

Concen: 47.35 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

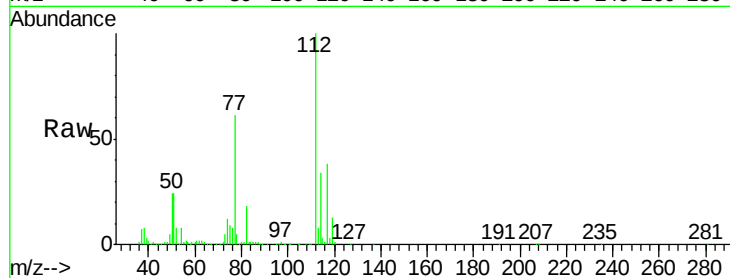
ClientSampleId :

Tot Ion:112 Resp: 403920

Ion Ratio Lower Upper

112 100

114 33.7 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.92

200000

150000

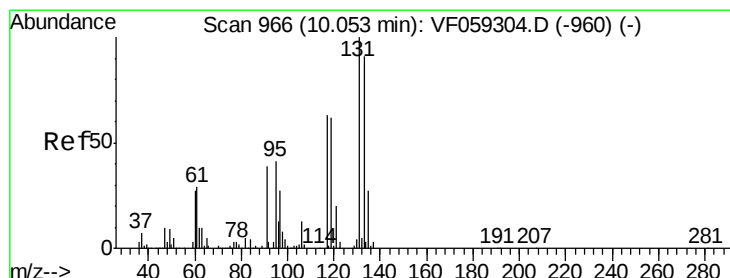
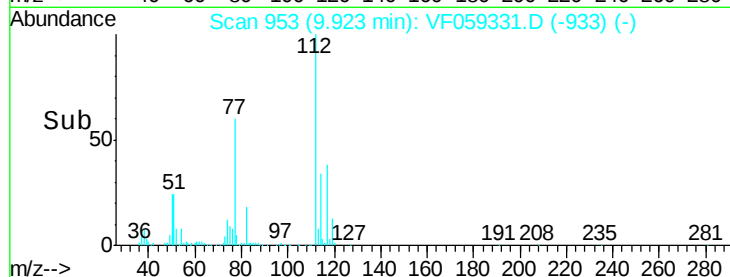
100000

50000

0

Time-->

9.80 9.90 10.00 10.10



#66

1,1,1,2-Tetrachloroethane

Concen: 47.09 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

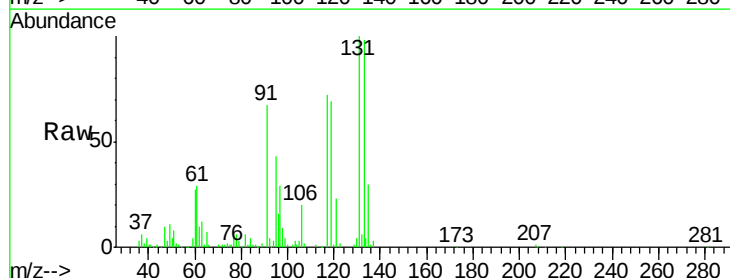
Tgt Ion:131 Resp: 173732

Ion Ratio Lower Upper

131 100

133 98.5 45.3 135.9

119 69.2 31.3 93.9



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

10.05

100000

80000

60000

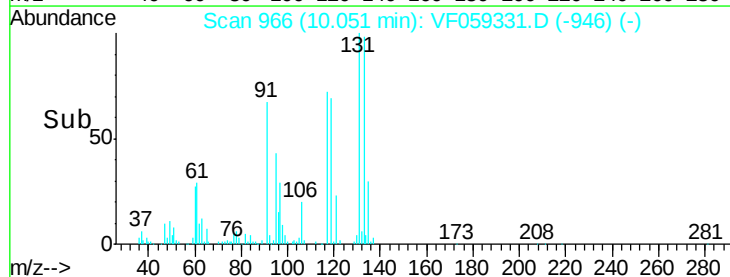
40000

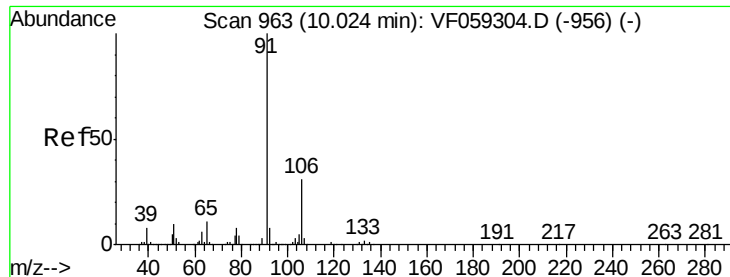
20000

0

Time-->

9.90 10.00 10.10 10.20





#67

Ethyl Benzene

Concen: 49.68 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

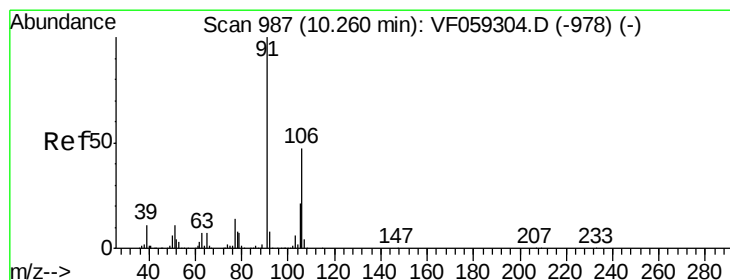
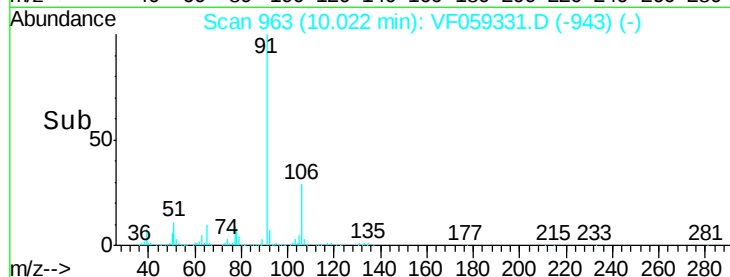
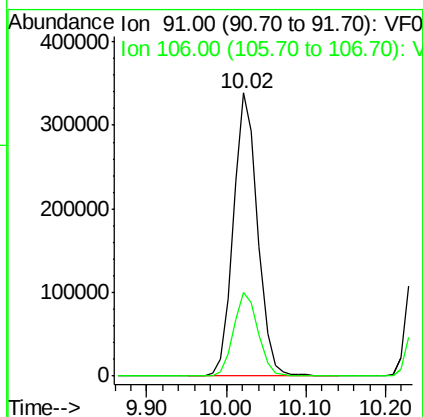
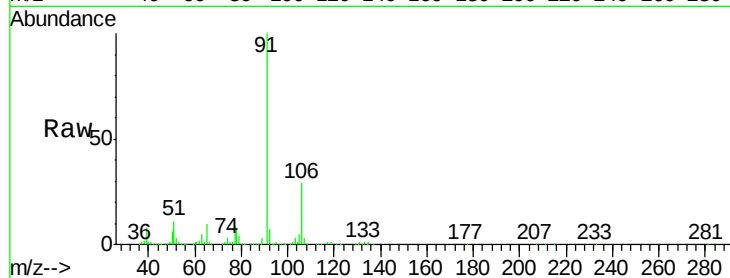
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 718941

Ion Ratio Lower Upper

91 100

106 29.4 24.8 37.2



#68

m/p-Xylenes

Concen: 84.28 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059331.D

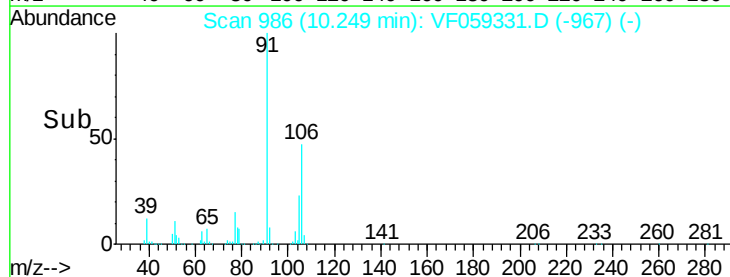
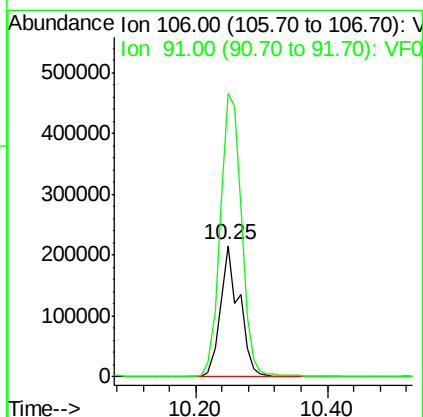
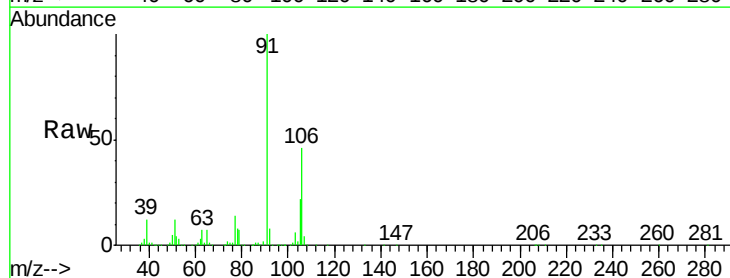
Acq: 27 Jun 2018 11:10

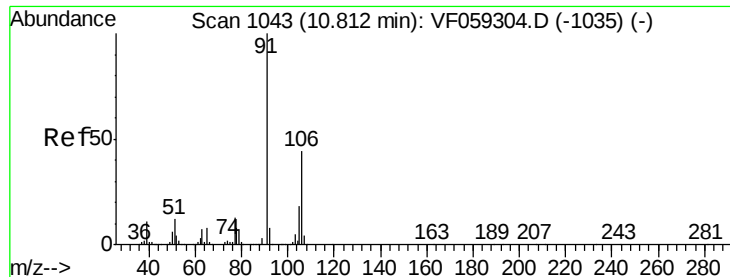
Tgt Ion: 106 Resp: 434094

Ion Ratio Lower Upper

106 100

91 215.1 170.8 256.2

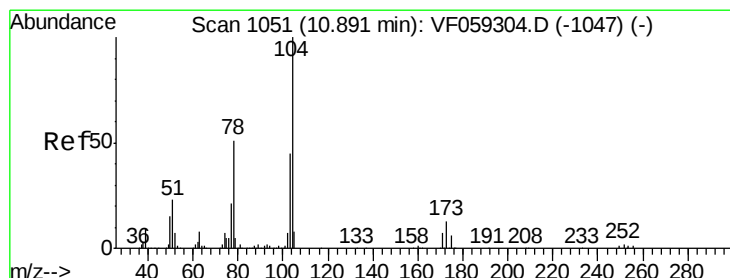
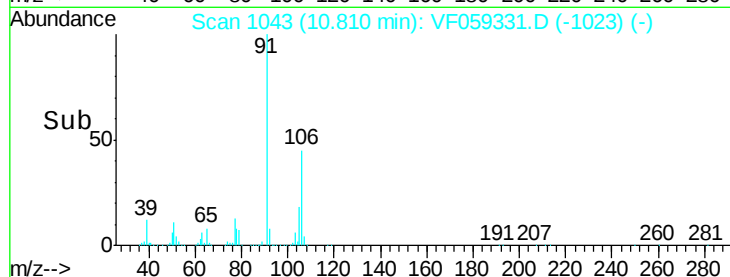
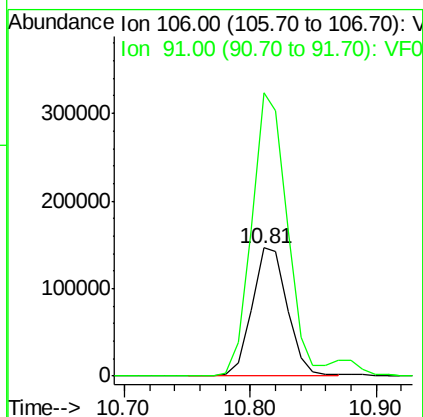
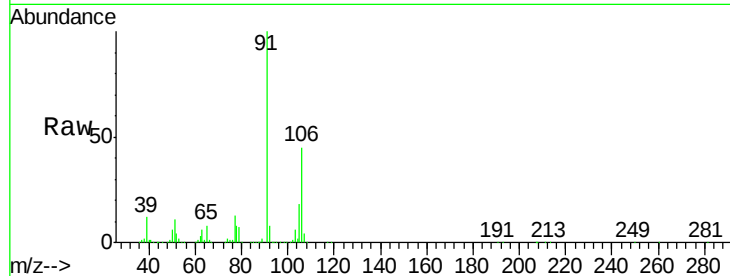




#69
o-Xylene
Concen: 49.69 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

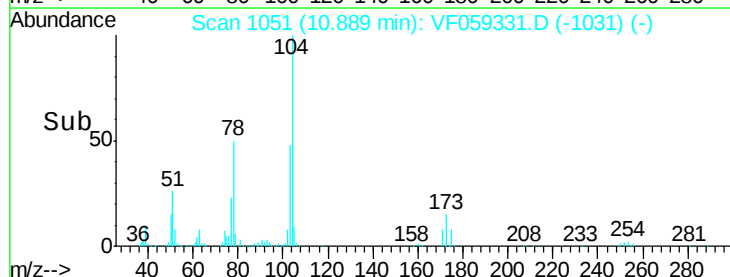
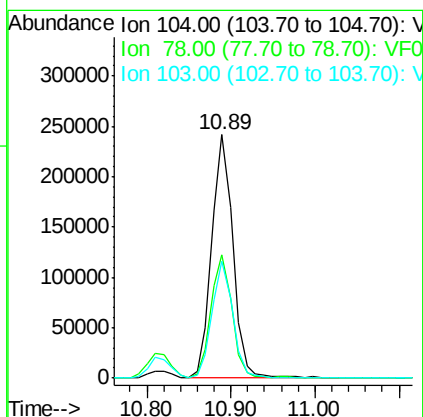
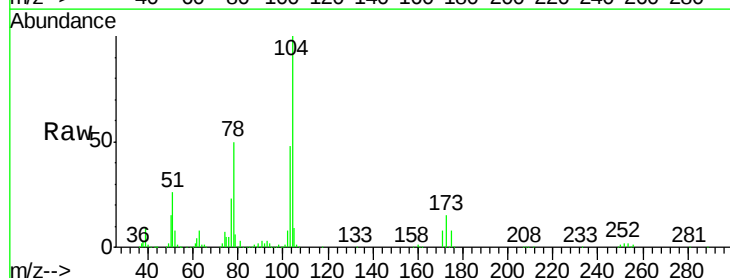
Instrument :
MSVOA_F
ClientSampled :

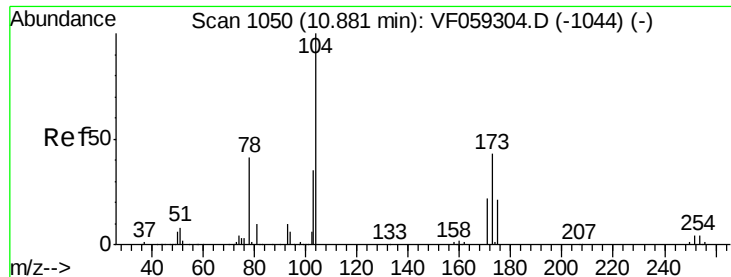
Tot Ion:106 Resp: 286281
Ion Ratio Lower Upper
106 100
91 221.2 114.6 343.6



#70
Styrene
Concen: 48.22 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

Tgt Ion:104 Resp: 423168
Ion Ratio Lower Upper
104 100
78 50.4 40.9 61.3
103 48.1 36.5 54.7





#71

Bromoform

Concen: 49.47 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

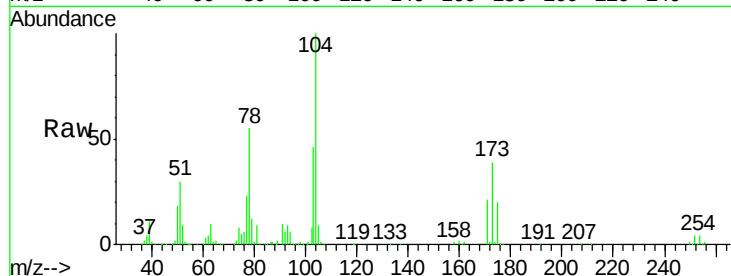
Tot Ion:173 Resp: 125098

Ion Ratio Lower Upper

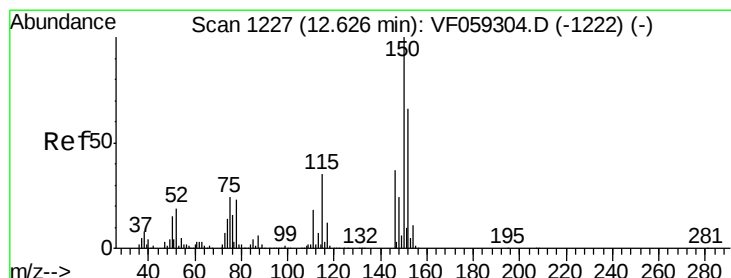
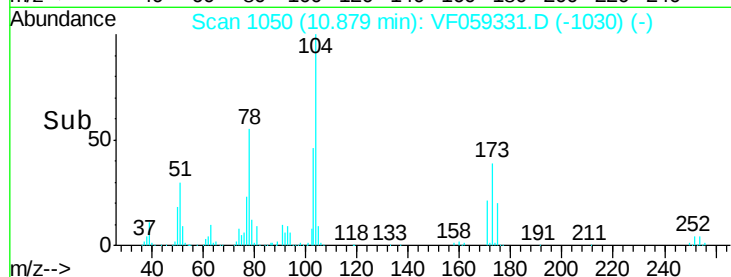
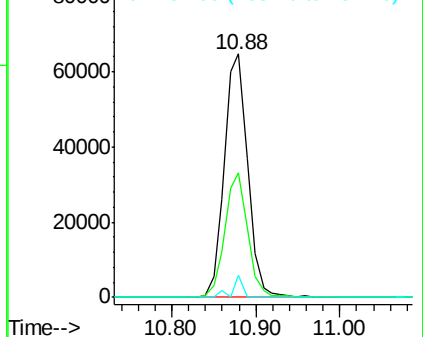
173 100

175 51.3 24.8 74.3

254 9.3 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

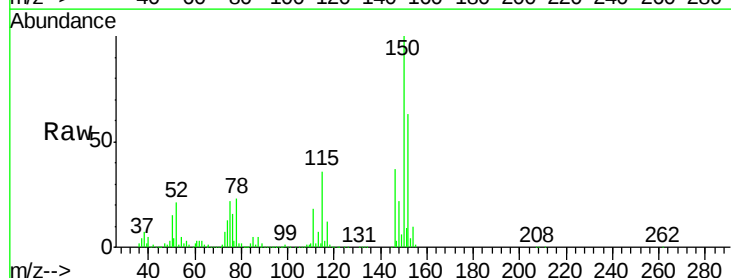
Tgt Ion:152 Resp: 273640

Ion Ratio Lower Upper

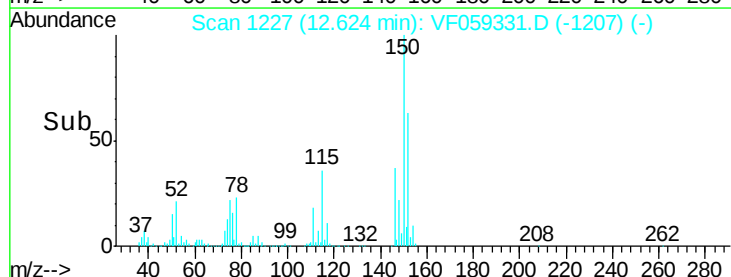
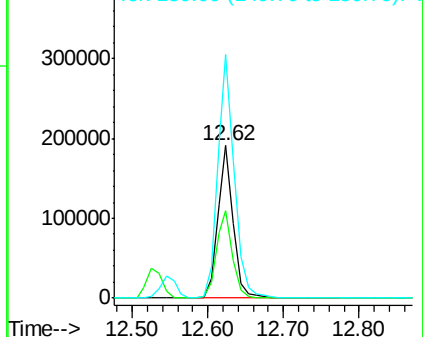
152 100

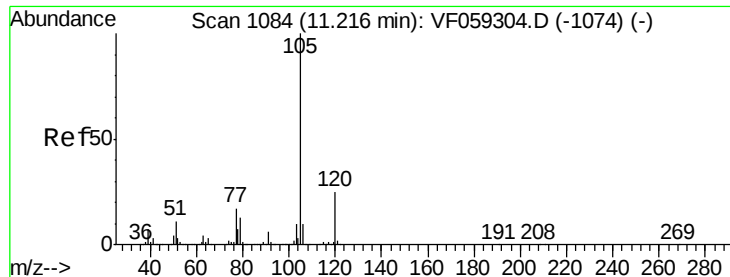
115 57.5 27.1 81.3

150 159.6 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: 51.97 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

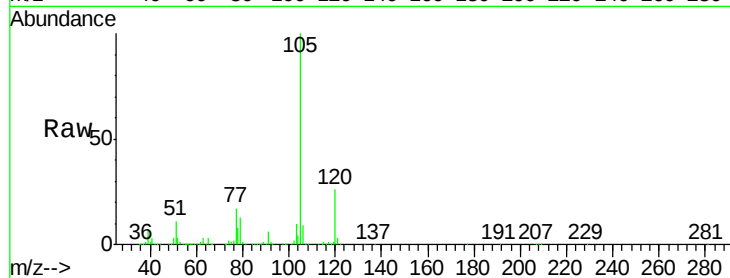
ClientSampled :

Tot Ion:105 Resp: 828425

Ion Ratio Lower Upper

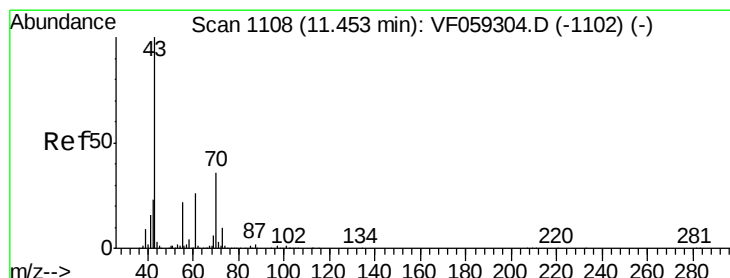
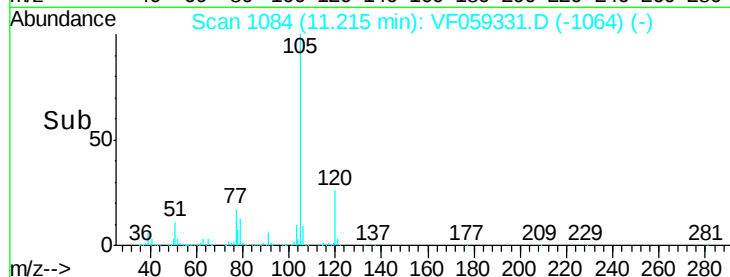
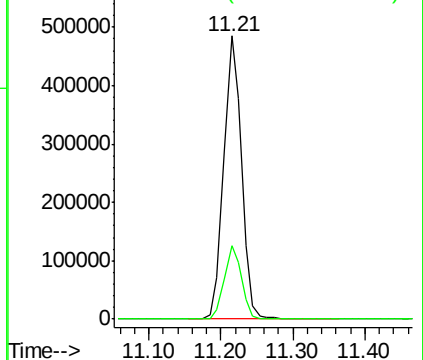
105 100

120 26.1 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.92 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Tgt Ion: 43 Resp: 306132

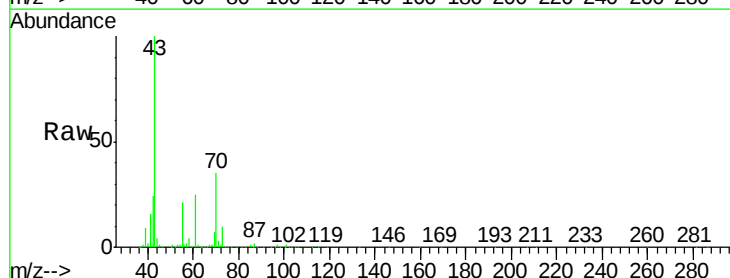
Ion Ratio Lower Upper

43 100

70 35.1 28.8 43.2

55 20.9 17.4 26.0

61 25.2 21.1 31.7

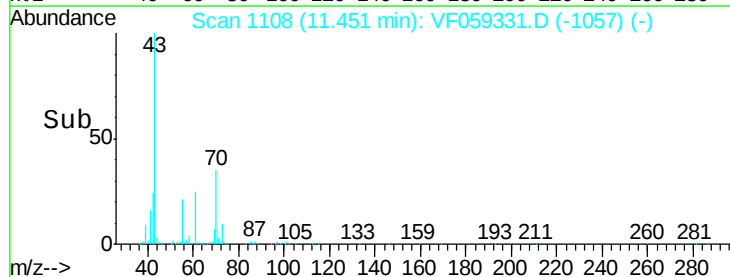
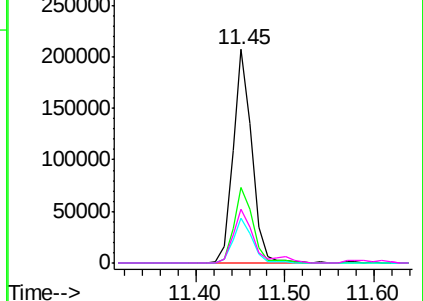


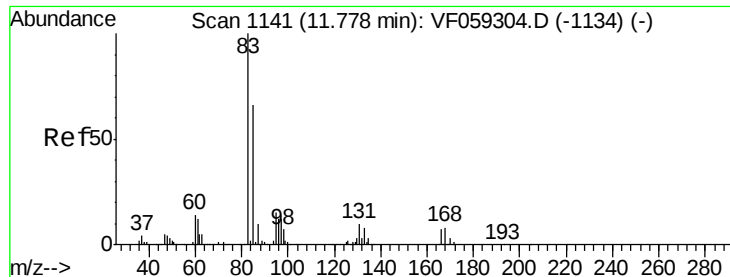
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.20 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

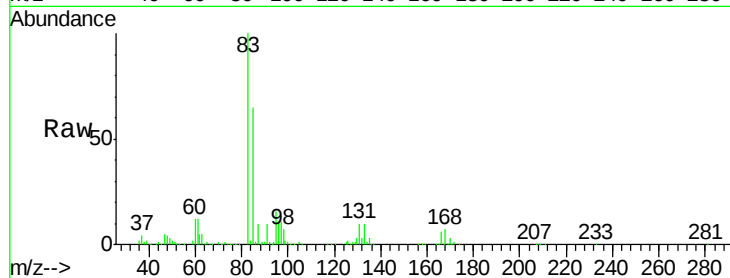
Tot Ion: 83 Resp: 198069

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.6

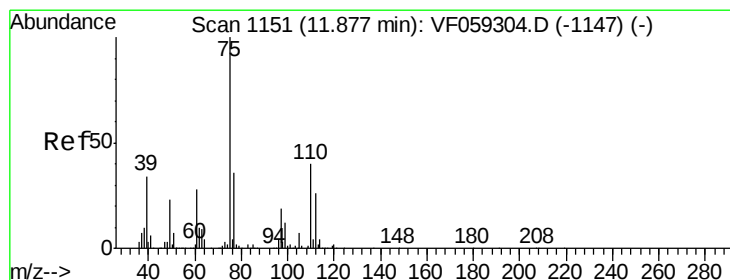
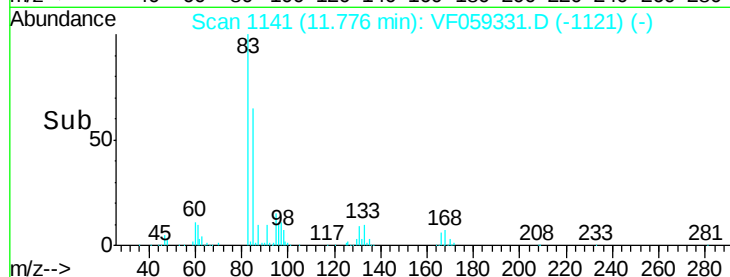
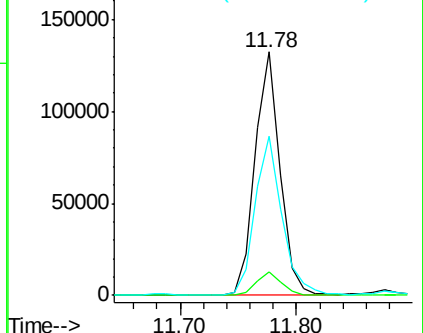
85 65.2 32.8 98.4



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: 49.99 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059331.D

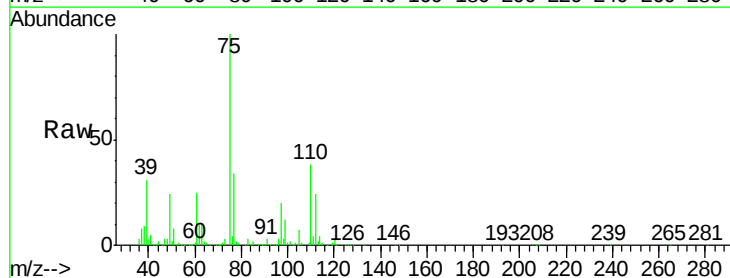
Acq: 27 Jun 2018 11:10

Tgt Ion: 75 Resp: 151808

Ion Ratio Lower Upper

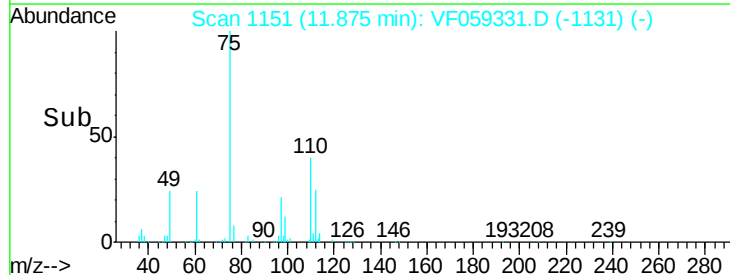
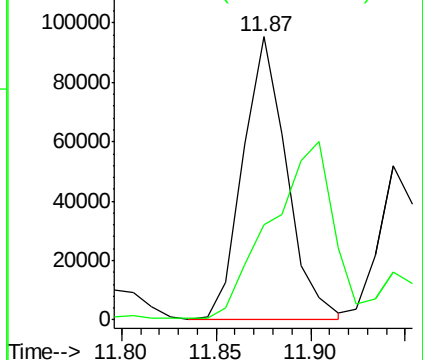
75 100

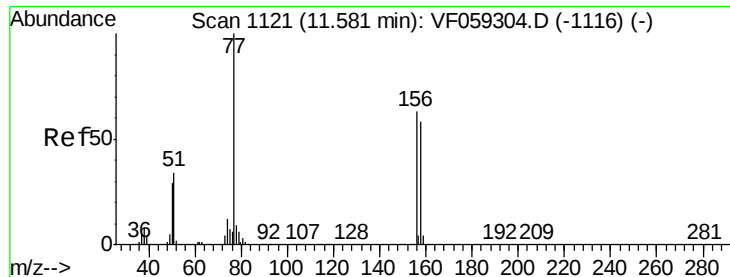
77 33.7 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 49.26 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

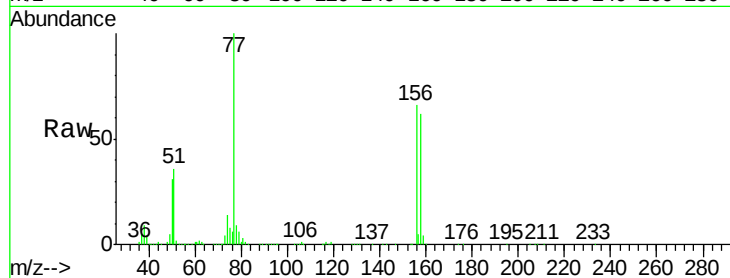
Tot Ion:156 Resp: 217886

Ion Ratio Lower Upper

156 100

77 151.1 79.7 238.9

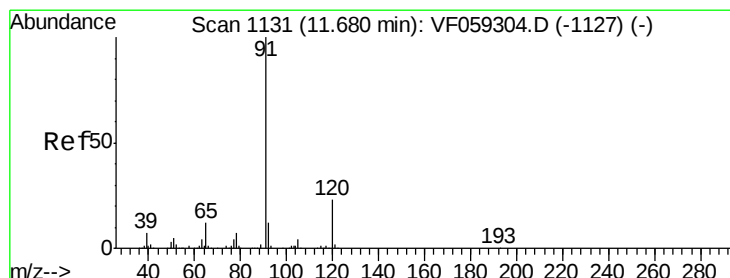
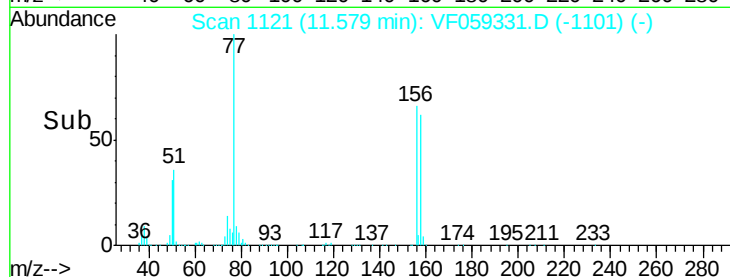
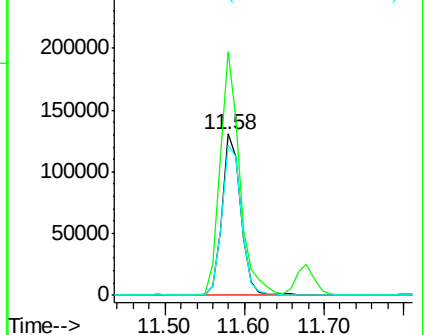
158 93.2 46.2 138.6



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



#78

n-propylbenzene

Concen: 48.35 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059331.D

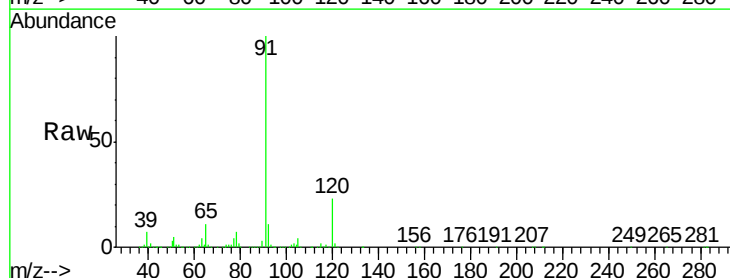
Acq: 27 Jun 2018 11:10

Tgt Ion: 91 Resp: 925720

Ion Ratio Lower Upper

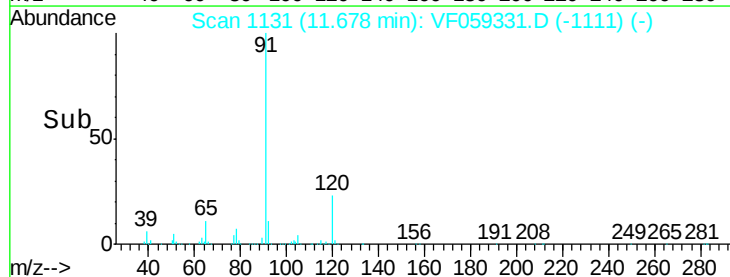
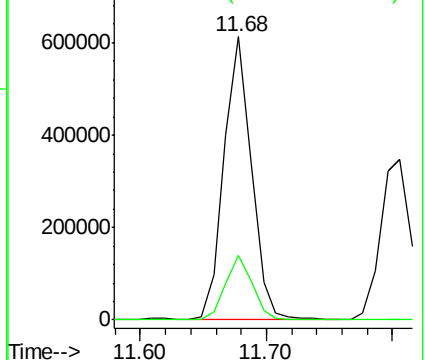
91 100

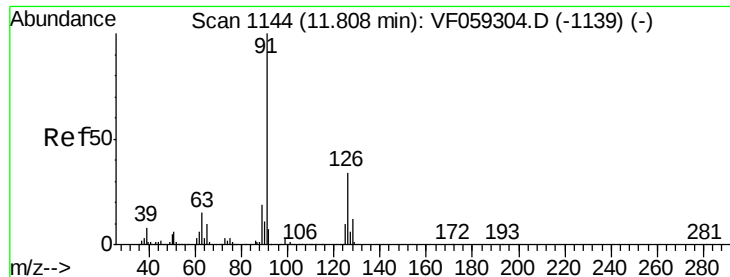
120 22.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.36 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

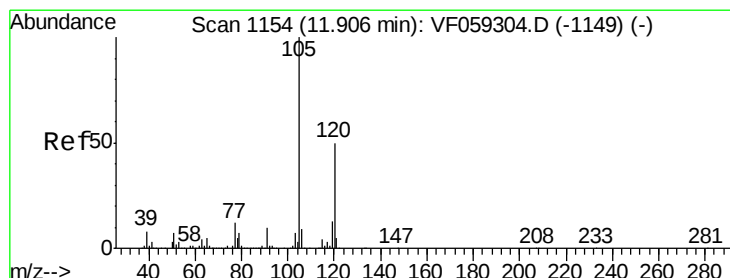
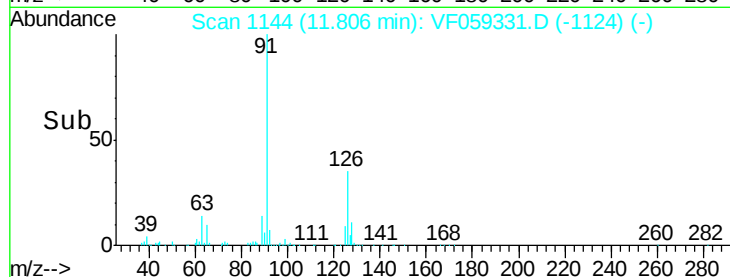
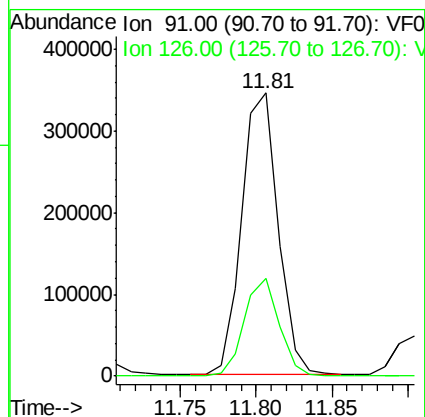
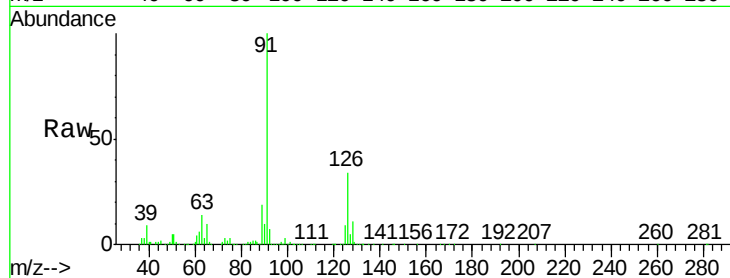
ClientSampleId :

Tot Ion: 91 Resp: 577346

Ion Ratio Lower Upper

91 100

126 34.5 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 49.69 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059331.D

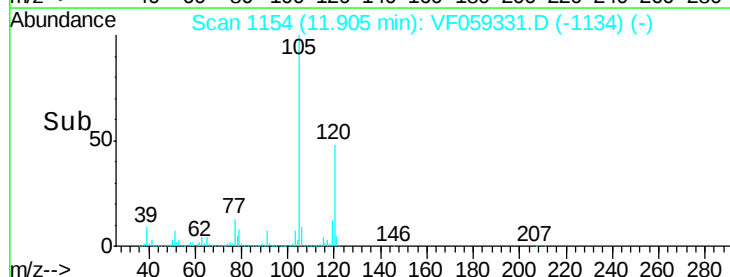
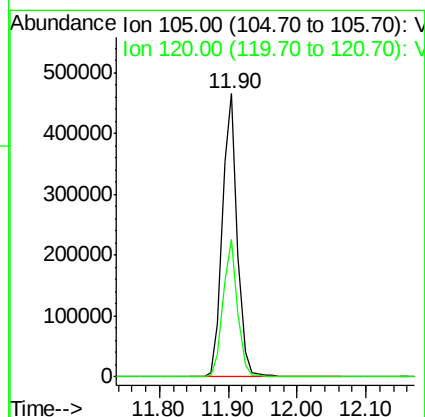
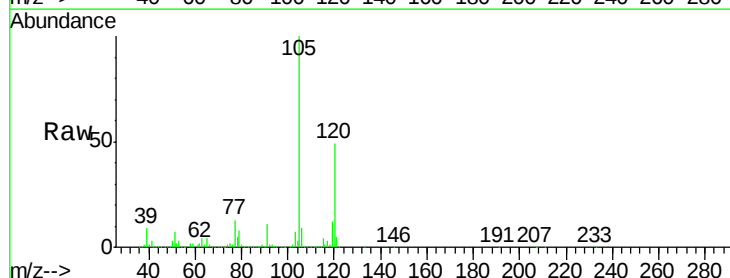
Acq: 27 Jun 2018 11:10

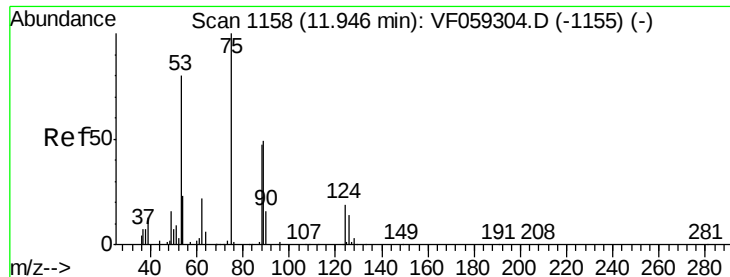
Tgt Ion:105 Resp: 693829

Ion Ratio Lower Upper

105 100

120 48.7 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 52.55 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

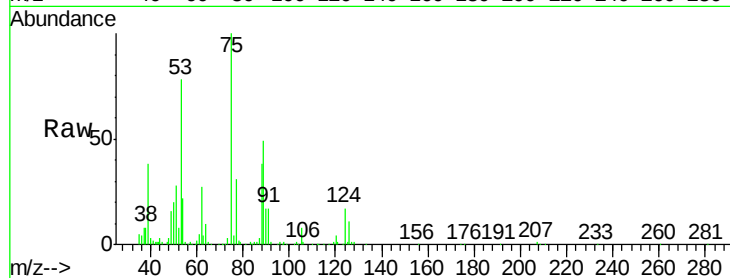
Tot Ion: 75 Resp: 94994

Ion Ratio Lower Upper

75 100

53 77.7 68.8 103.2

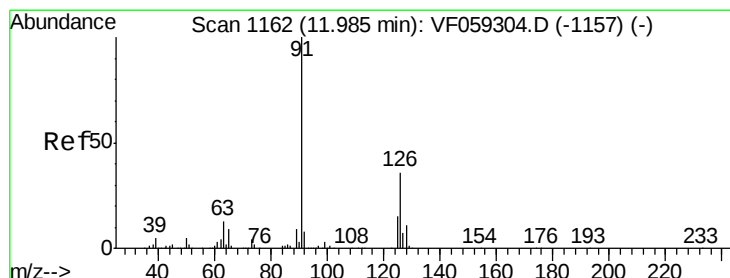
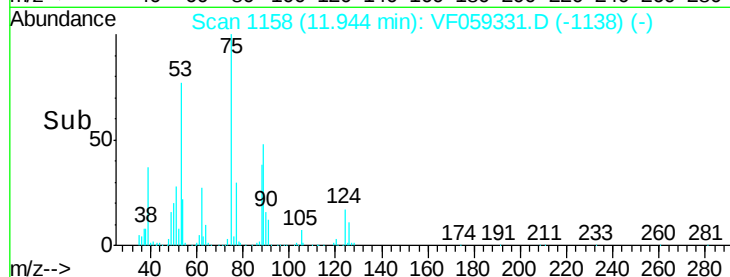
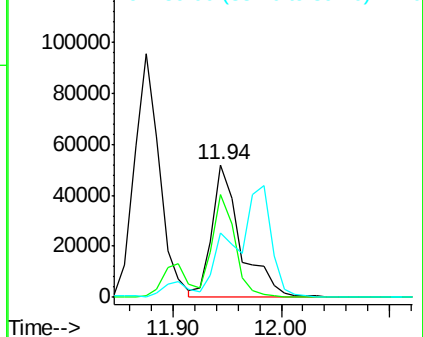
89 48.6 42.0 63.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 49.24 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VF059331.D

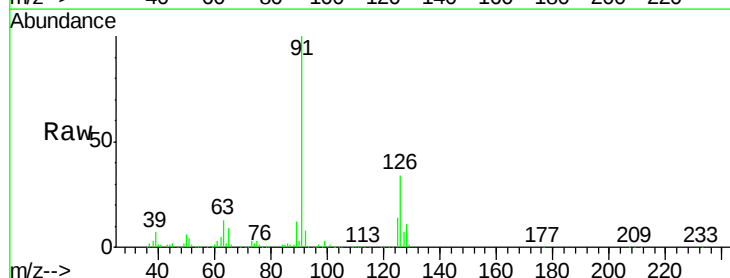
Acq: 27 Jun 2018 11:10

Tgt Ion: 91 Resp: 616952

Ion Ratio Lower Upper

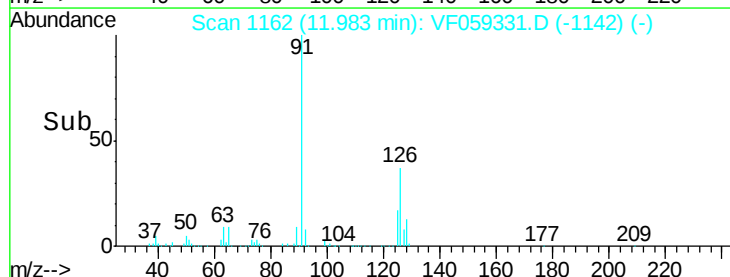
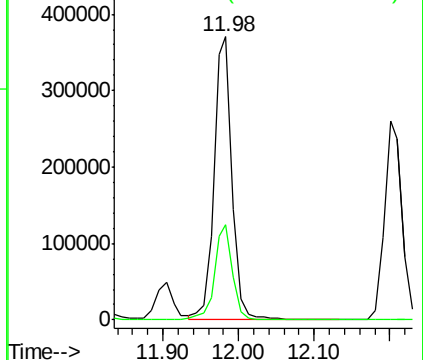
91 100

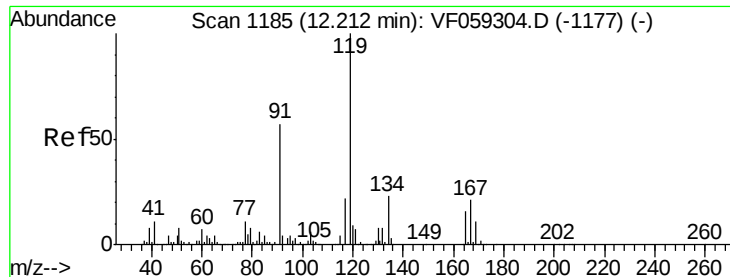
126 33.8 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

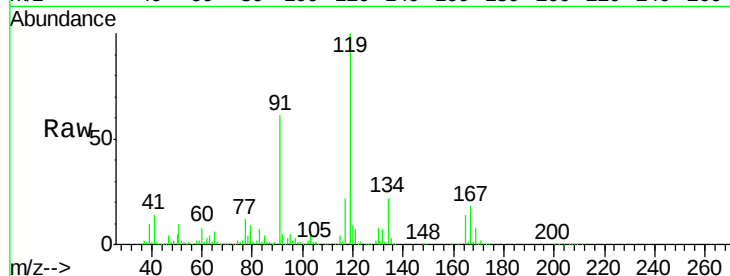




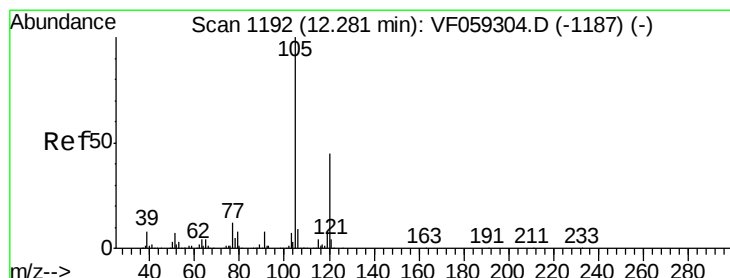
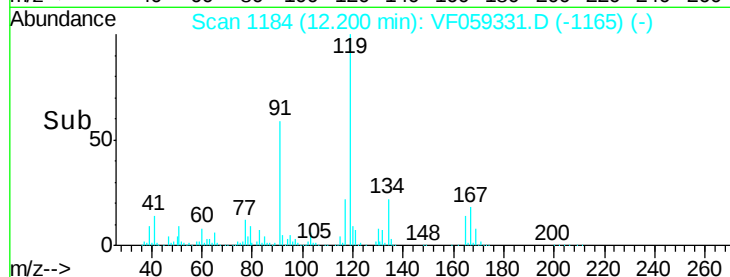
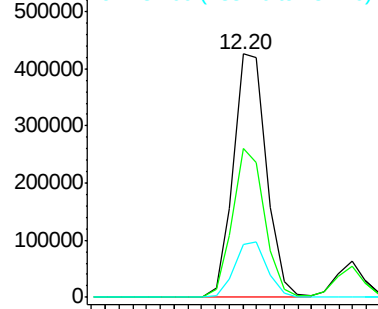
#83
tert-Butylbenzene
Concen: 51.39 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:119 Resp: 717753
Ion Ratio Lower Upper
119 100
91 61.2 28.4 85.2
134 22.0 11.7 35.1

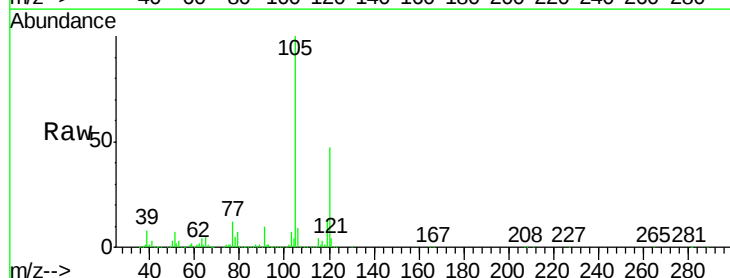


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

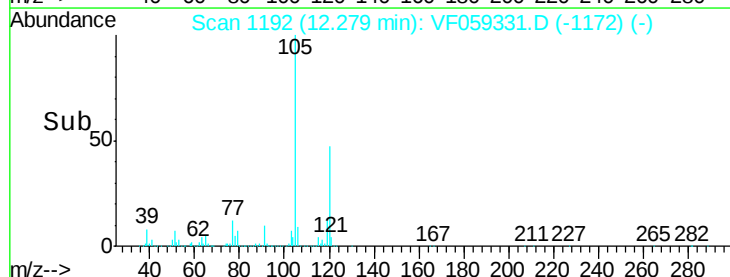
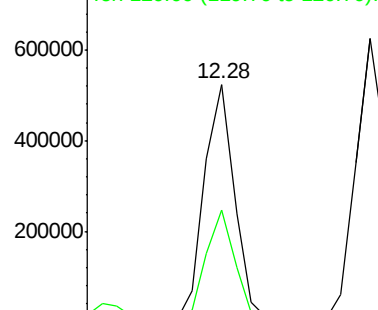


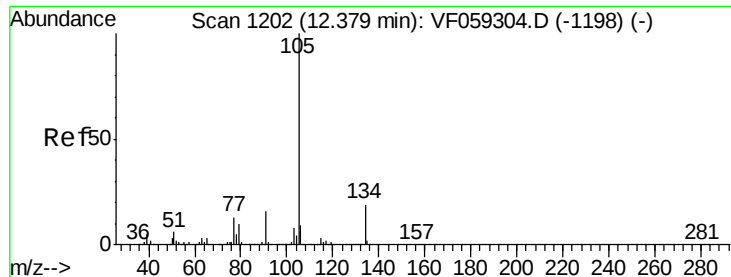
#84
1,2,4-Trimethylbenzene
Concen: 50.38 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.00 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

Tgt Ion:105 Resp: 740959
Ion Ratio Lower Upper
105 100
120 46.9 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.13 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

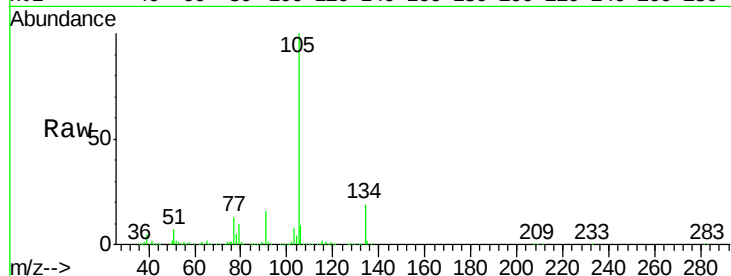
ClientSampleId :

Tot Ion:105 Resp: 909501

Ion Ratio Lower Upper

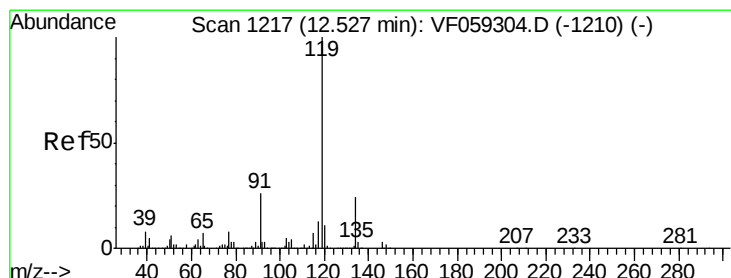
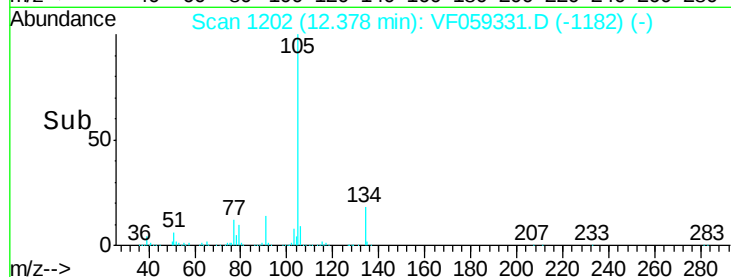
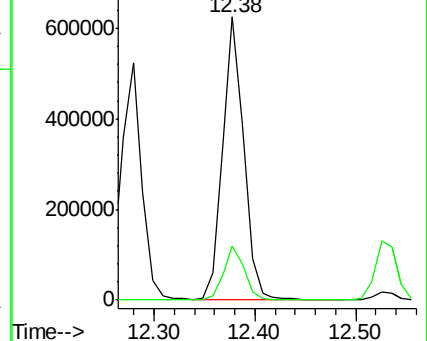
105 100

134 19.0 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: 51.49 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

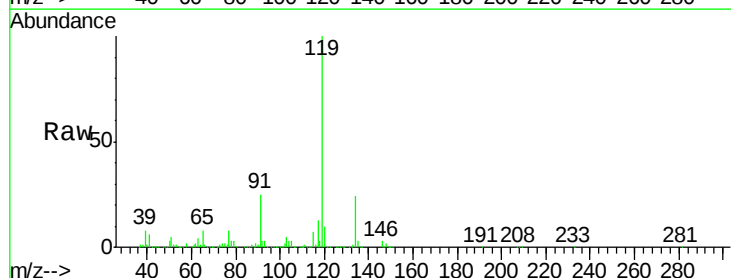
Tgt Ion:119 Resp: 800029

Ion Ratio Lower Upper

119 100

134 23.9 12.2 36.4

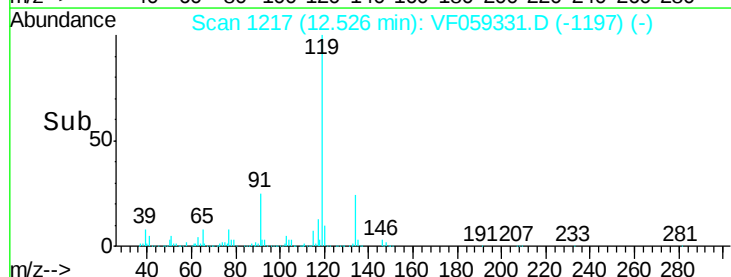
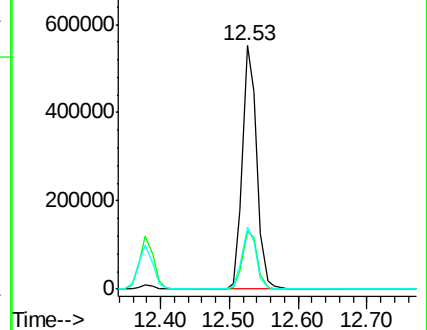
91 25.3 12.9 38.6

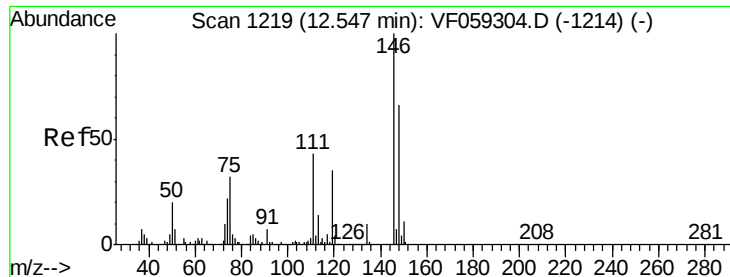


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

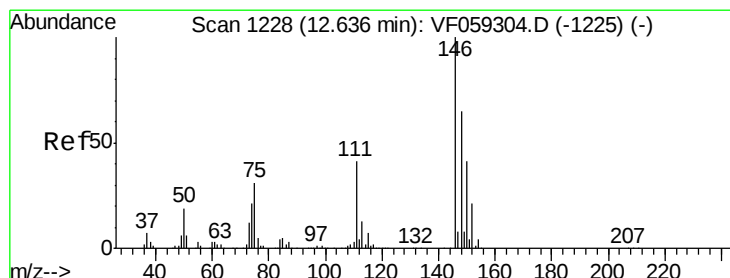
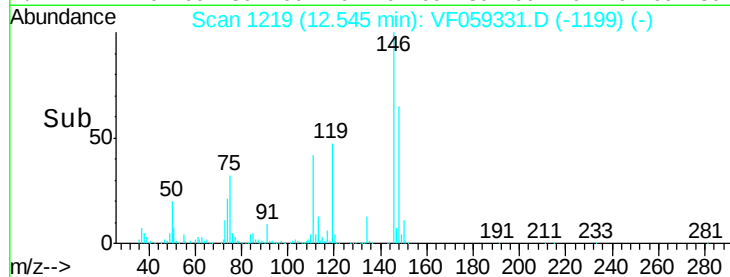
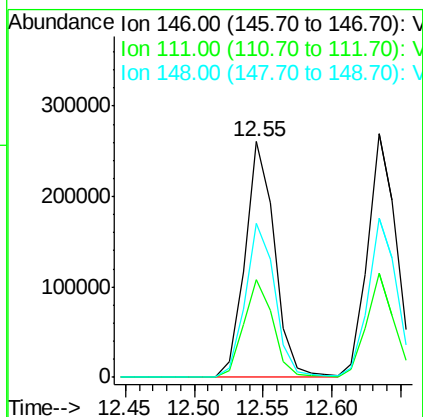
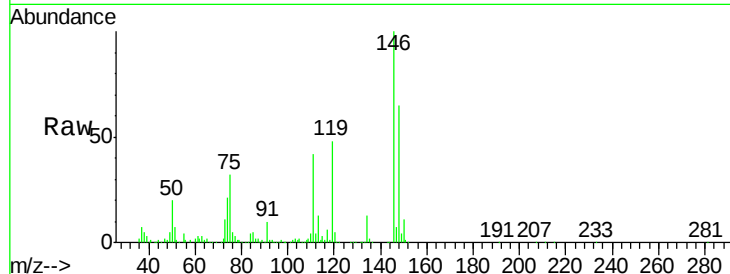




#87
 1,3-Dichlorobenzene
 Concen: 53.91 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059331.D
 Acq: 27 Jun 2018 11:10

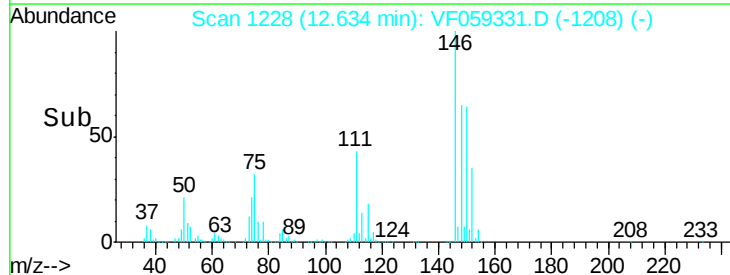
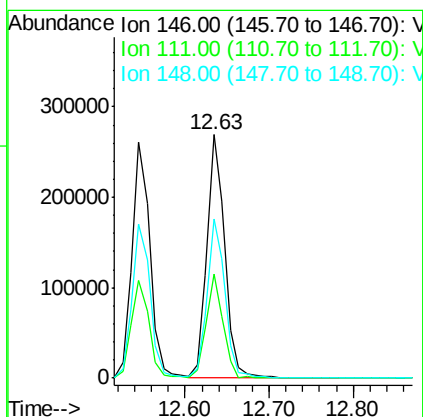
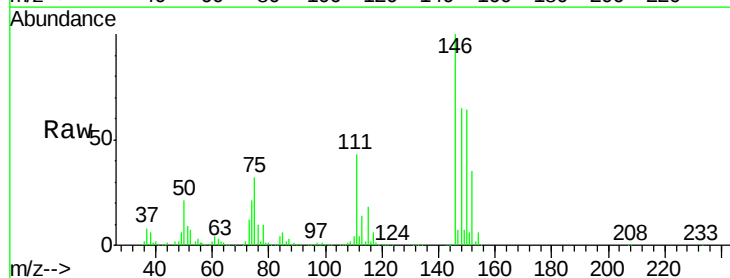
Instrument :
 MSVOA_F
 ClientSampleId :

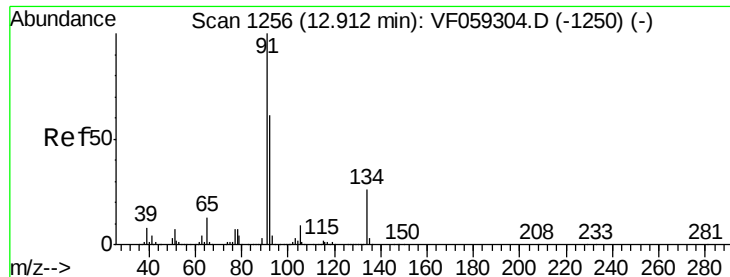
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.4	64.2
148	65.3	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 50.38 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059331.D
 Acq: 27 Jun 2018 11:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.7	62.1
148	65.2	32.8	98.3

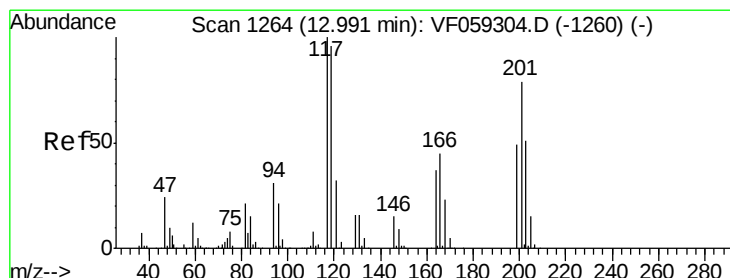
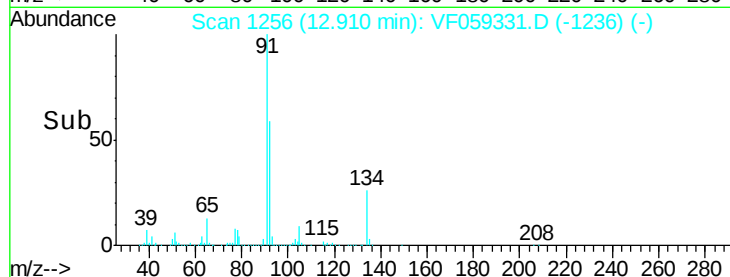
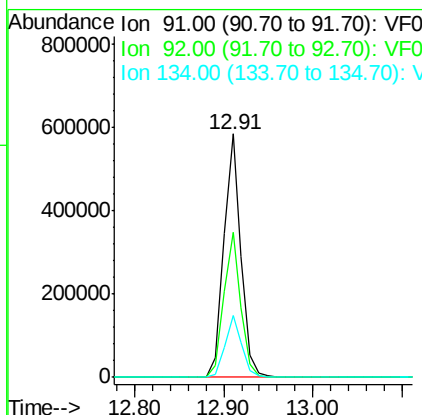
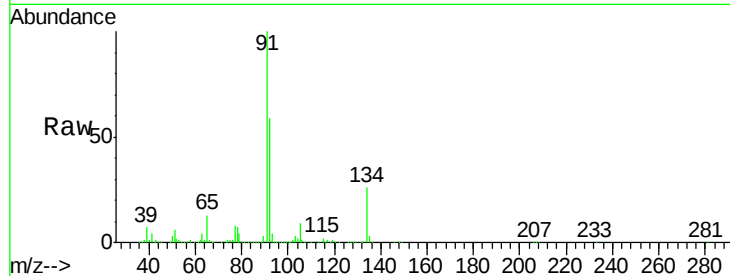




#89
n-Butylbenzene
Concen: 50.13 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

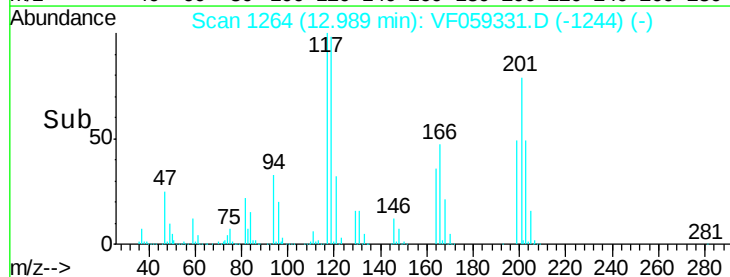
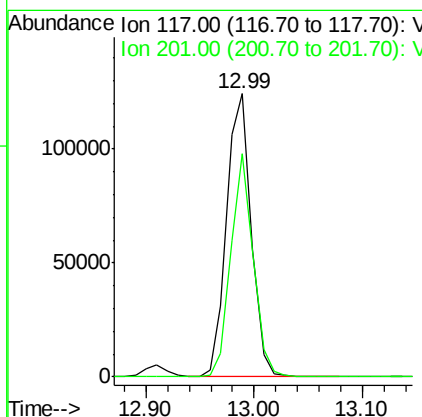
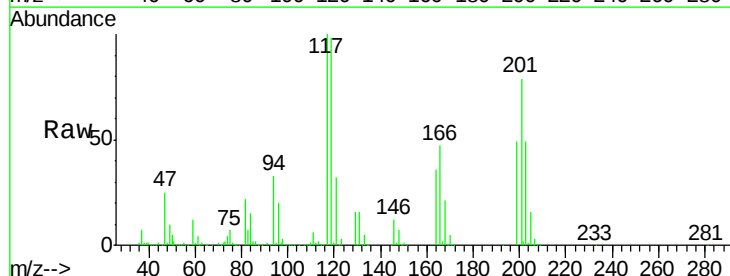
Instrument :
MSVOA_F
ClientSampled :

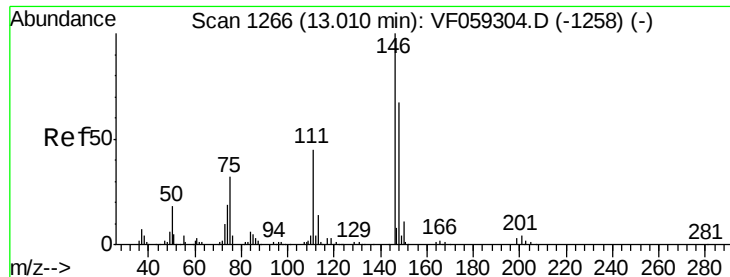
Tot Ion	91	Resp	790624
Ion Ratio	Lower	Upper	
91	100		
92	59.4	30.3	91.0
134	25.6	12.9	38.7



#90
Hexachloroethane
Concen: 50.97 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VF059331.D
Acq: 27 Jun 2018 11:10

Tgt Ion	117	Resp	197355
Ion Ratio	Lower	Upper	
117	100		
201	78.8	39.5	118.5





#91

1,2-Dichlorobenzene

Concen: 49.76 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

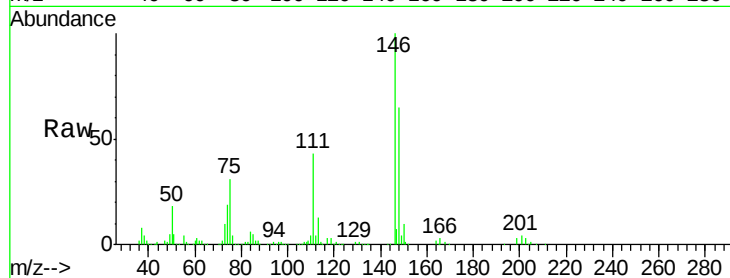
Tot Ion:146 Resp: 399551

Ion Ratio Lower Upper

146 100

111 42.9 22.7 68.0

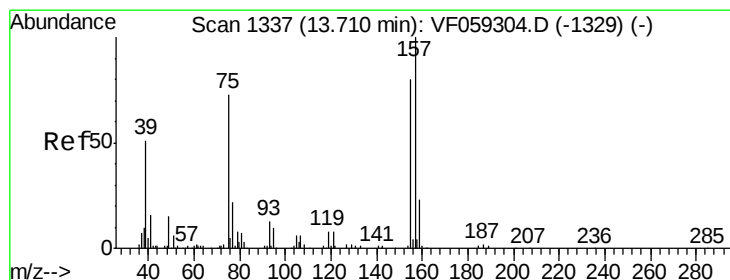
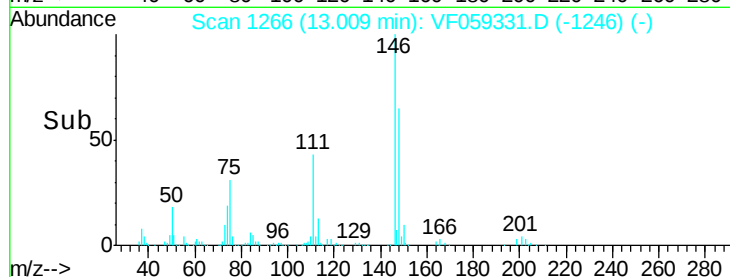
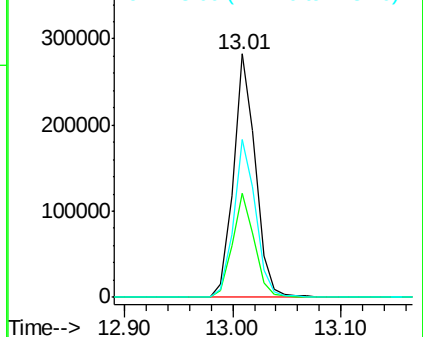
148 64.7 33.5 100.4



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: 48.79 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

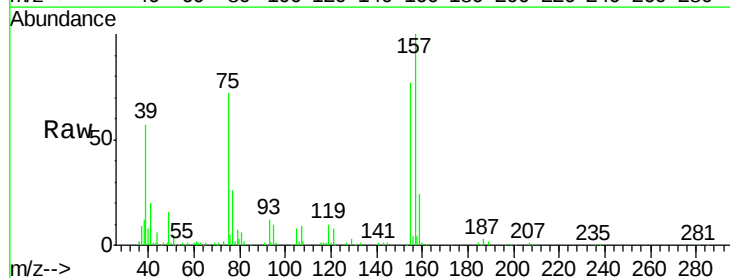
Tgt Ion: 75 Resp: 43544

Ion Ratio Lower Upper

75 100

155 107.1 54.6 163.8

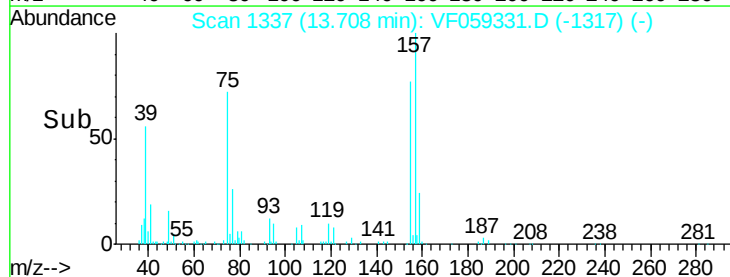
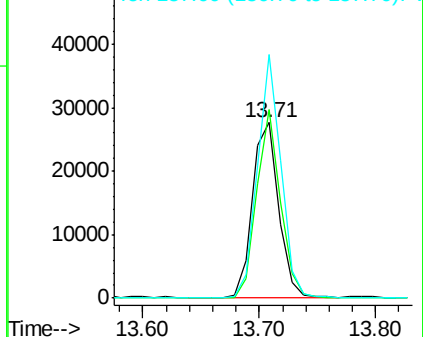
157 138.6 68.7 205.9

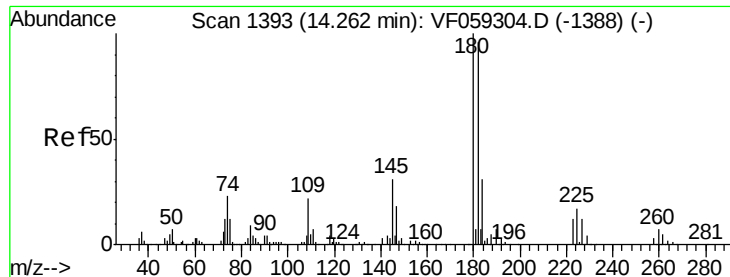


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

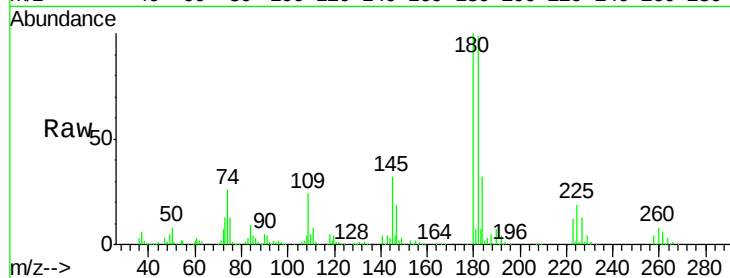




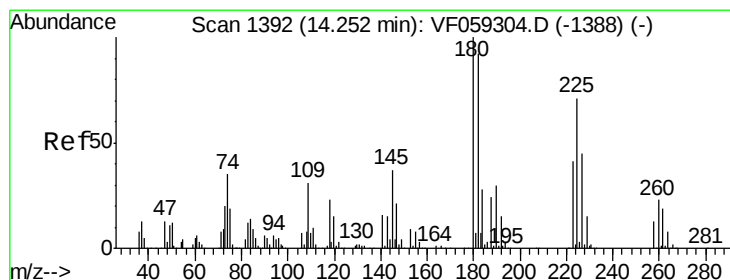
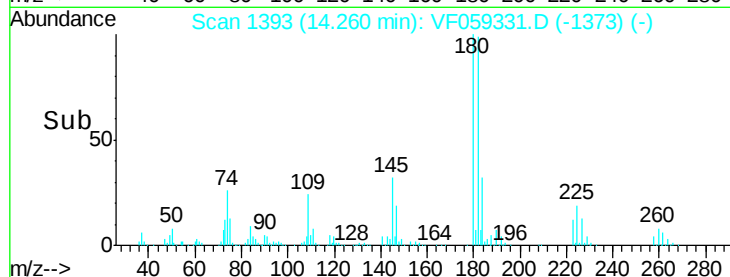
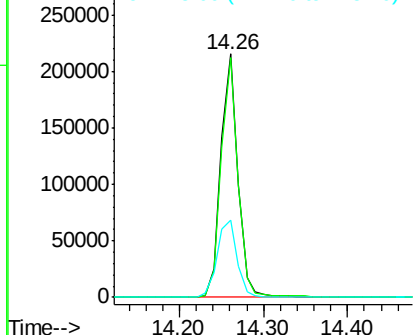
#93
 1,2,4-Trichlorobenzene
 Concen: 51.39 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059331.D
 Acq: 27 Jun 2018 11:10

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 305126
 Ion Ratio Lower Upper
 180 100
 182 98.6 48.1 144.3
 145 31.6 15.3 45.8

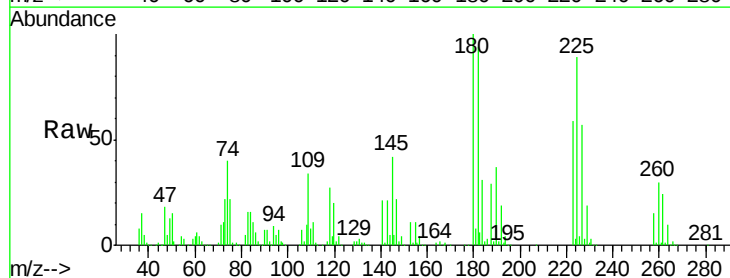


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

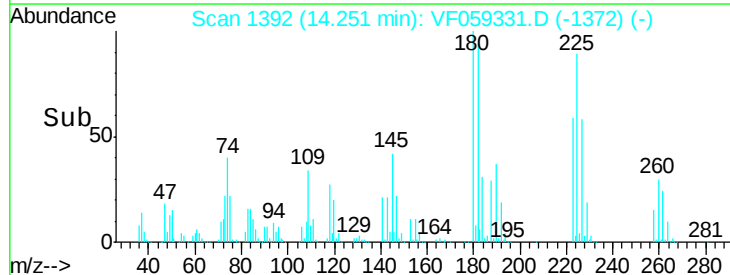
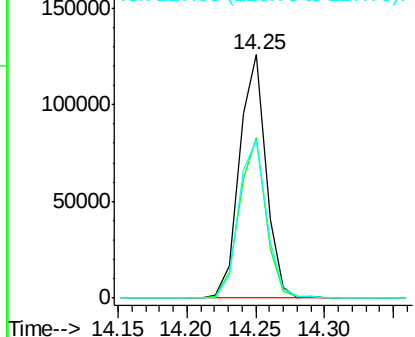


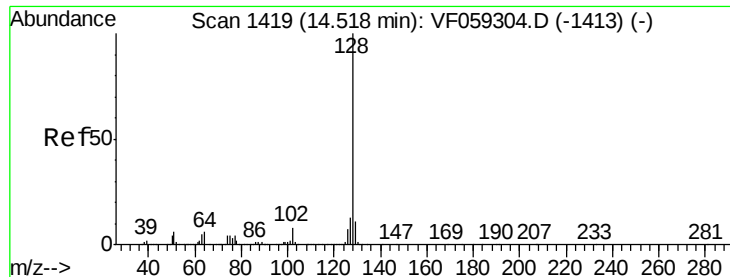
#94
 Hexachlorobutadiene
 Concen: 51.30 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059331.D
 Acq: 27 Jun 2018 11:10

Tgt Ion:225 Resp: 170138
 Ion Ratio Lower Upper
 225 100
 223 66.0 28.9 86.8
 227 64.7 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: 54.39 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

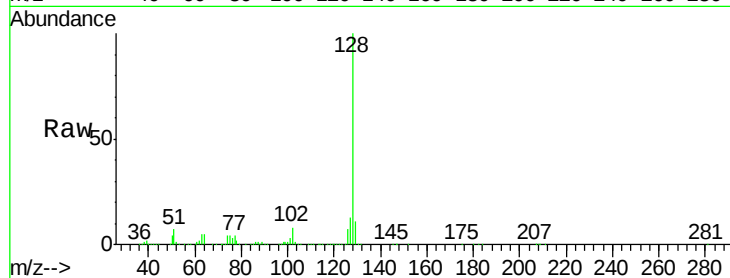
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:128 Resp: 675641

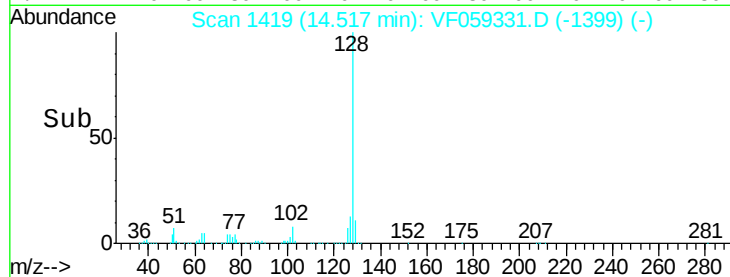
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.7	8.8	13.2



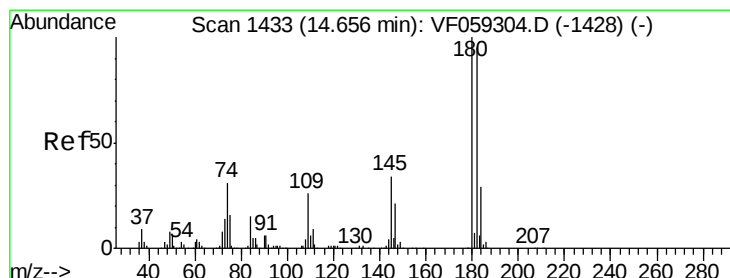
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 52.20 ug/l

RT: 14.66 min Scan# 1434

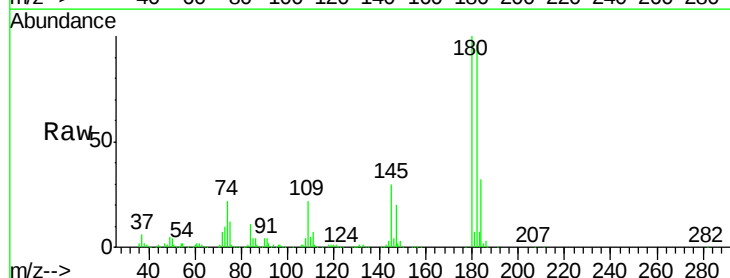
Delta R.T. 0.01 min

Lab File: VF059331.D

Acq: 27 Jun 2018 11:10

Tgt Ion:180 Resp: 293601

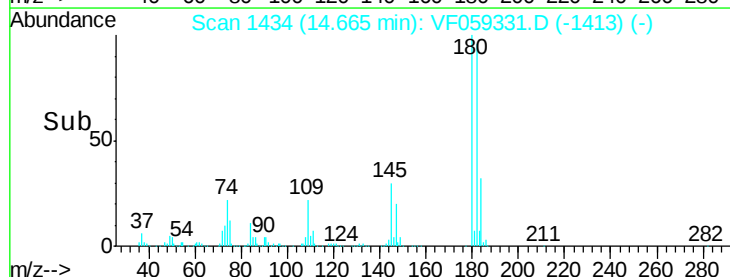
Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.5	142.5
145	30.4	17.0	50.9



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



Time-->