

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122618\
 Data File : VF061183.D
 Acq On : 26 Dec 2018 12:44
 Operator : VA/AP
 Sample : VF1226SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBSD01

Quant Time: Dec 26 23:51:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	197797	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	343960	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	321763	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	163532	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	124154	48.80	ug/l	-0.01
Spiked Amount			Recovery	=	97.60%	
35) Dibromofluoromethane	4.10	113	131446	47.71	ug/l	-0.01
Spiked Amount			Recovery	=	95.42%	
50) Toluene-d8	7.53	98	368230	47.16	ug/l	-0.02
Spiked Amount			Recovery	=	94.32%	
62) 4-Bromofluorobenzene	11.40	95	179380	49.83	ug/l	-0.01
Spiked Amount			Recovery	=	99.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	76159	17.321	ug/l	96
3) Chloromethane	1.09	50	48571	19.285	ug/l	97
4) Vinyl Chloride	1.13	62	46767	20.017	ug/l	91
5) Bromomethane	1.33	94	30741	18.970	ug/l	90
6) Chloroethane	1.37	64	19061	17.705	ug/l #	80
7) Trichlorofluoromethane	1.48	101	89035	19.958	ug/l	96
8) Diethyl Ether	1.62	74	12142	19.876	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.81	101	43644	18.869	ug/l	93
10) Methyl Iodide	1.89	142	65700	18.019	ug/l	96
11) Tert butyl alcohol	2.56	59	9264	90.239	ug/l	96
12) 1,1-Dichloroethene	1.78	96	34045	19.526	ug/l	90
13) Acrolein	1.99	56	7119	95.966	ug/l	99
14) Allyl chloride	2.09	41	42568	23.460	ug/l	88
15) Acrylonitrile	2.93	53	24237	102.097	ug/l	97
16) Acetone	2.23	43	48016	94.413	ug/l #	90
17) Carbon Disulfide	1.83	76	97399	18.485	ug/l #	93
18) Methyl Acetate	2.33	43	21434	20.371	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	75186	19.427	ug/l	98
20) Methylene Chloride	2.23	84	28290	14.190	ug/l	91
21) trans-1,2-Dichloroethene	2.29	96	35992	19.300	ug/l	93
22) Diisopropyl ether	2.79	45	121983	20.182	ug/l #	98
23) Vinyl Acetate	3.17	43	289885	103.966	ug/l	98
24) 1,1-Dichloroethane	2.86	63	76864	21.464	ug/l	99
25) 2-Butanone	4.32	43	85931	104.182	ug/l	99
26) 2,2-Dichloropropane	3.59	77	45937	22.353	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	53024	18.573	ug/l	93
28) Bromochloromethane	3.70	49	33664	18.527	ug/l	82
29) Tetrahydrofuran	4.06	42	35421	105.512	ug/l	98
30) Chloroform	3.84	83	109626	20.416	ug/l	100
31) Cyclohexane	3.68	56	75079	20.204	ug/l	92
32) 1,1,1-Trichloroethane	4.07	97	78322	24.336	ug/l	94
36) 1,1-Dichloropropene	4.26	75	85243	20.531	ug/l	97
37) Ethyl Acetate	4.09	43	31357	17.347	ug/l #	79
38) Carbon Tetrachloride	3.97	117	67391	21.314	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	82332	22.104	ug/l	95
40) Benzene	4.61	78	174918	19.591	ug/l	97
41) Methacrylonitrile	4.73	41	18217	20.776	ug/l #	88
42) 1,2-Dichloroethane	4.93	62	65539	19.323	ug/l	99
43) Isopropyl Acetate	6.95	43	45245	22.569	ug/l	94
44) Trichloroethene	5.48	130	58360	20.732	ug/l	97
45) 1,2-Dichloropropane	6.22	63	49872	20.531	ug/l	94
46) Dibromomethane	6.07	93	30488	19.351	ug/l	99
47) Bromodichloromethane	6.37	83	79292	19.370	ug/l #	98
48) Methyl methacrylate	6.70	41	26823	19.166	ug/l	93
49) 1,4-Dioxane	6.70	88	3550	349.589	ug/l #	73
51) 4-Methyl-2-Pentanone	8.24	43	144411	105.036	ug/l	98
52) Toluene	7.61	92	118479	20.046	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	64944	19.666	ug/l	95
54) cis-1,3-Dichloropropene	7.29	75	81996	19.783	ug/l	95
55) 1,1,2-Trichloroethane	8.48	97	34463	19.451	ug/l	92
56) Ethyl methacrylate	8.61	69	37143	19.373	ug/l	95
57) 1,3-Dichloropropane	8.83	76	64661	20.178	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.28	63	30865	83.823	ug/l	100
59) 2-Hexanone	9.48	43	110062	110.695	ug/l	99
60) Dibromochloromethane	8.70	129	49507	19.492	ug/l	93
61) 1,2-Dibromoethane	8.97	107	37492	19.813	ug/l	90
64) Tetrachloroethene	8.13	164	47104	19.031	ug/l	98
65) Chlorobenzene	9.78	112	131591	19.797	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.91	131	51744	19.049	ug/l	95
67) Ethyl Benzene	9.88	91	257190	21.238	ug/l	100
68) m/p-Xylenes	10.12	106	174721	40.997	ug/l	100
69) o-Xylene	10.70	106	100931	21.354	ug/l	93
70) Styrene	10.78	104	135844	20.727	ug/l	99
71) Bromoform	10.76	173	24914	19.824	ug/l #	98
73) Isopropylbenzene	11.11	105	279682	19.846	ug/l	100
74) N-amyl acetate	11.36	43	65802	21.031	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	47498	20.308	ug/l	96
76) 1,2,3-Trichloropropane	11.78	75	36107	20.744	ug/l	94
77) Bromobenzene	11.49	156	56914	18.761	ug/l	81
78) n-propylbenzene	11.59	91	341687	18.563	ug/l	96
79) 2-Chlorotoluene	11.71	91	186862	19.329	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	234650	20.221	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	20960	28.023	ug/l	86
82) 4-Chlorotoluene	11.88	91	199083	19.907	ug/l	95
83) tert-Butylbenzene	12.12	119	239669	20.071	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	229519	19.834	ug/l	94
85) sec-Butylbenzene	12.30	105	329418	21.140	ug/l	99
86) p-Isopropyltoluene	12.45	119	260174	20.115	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	111715	19.258	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	110229	19.788	ug/l	97
89) n-Butylbenzene	12.83	91	282149	18.967	ug/l	93
90) Hexachloroethane	12.91	117	62147	19.447	ug/l	93
91) 1,2-Dichlorobenzene	12.93	146	109708	20.229	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8438	19.660	ug/l	99

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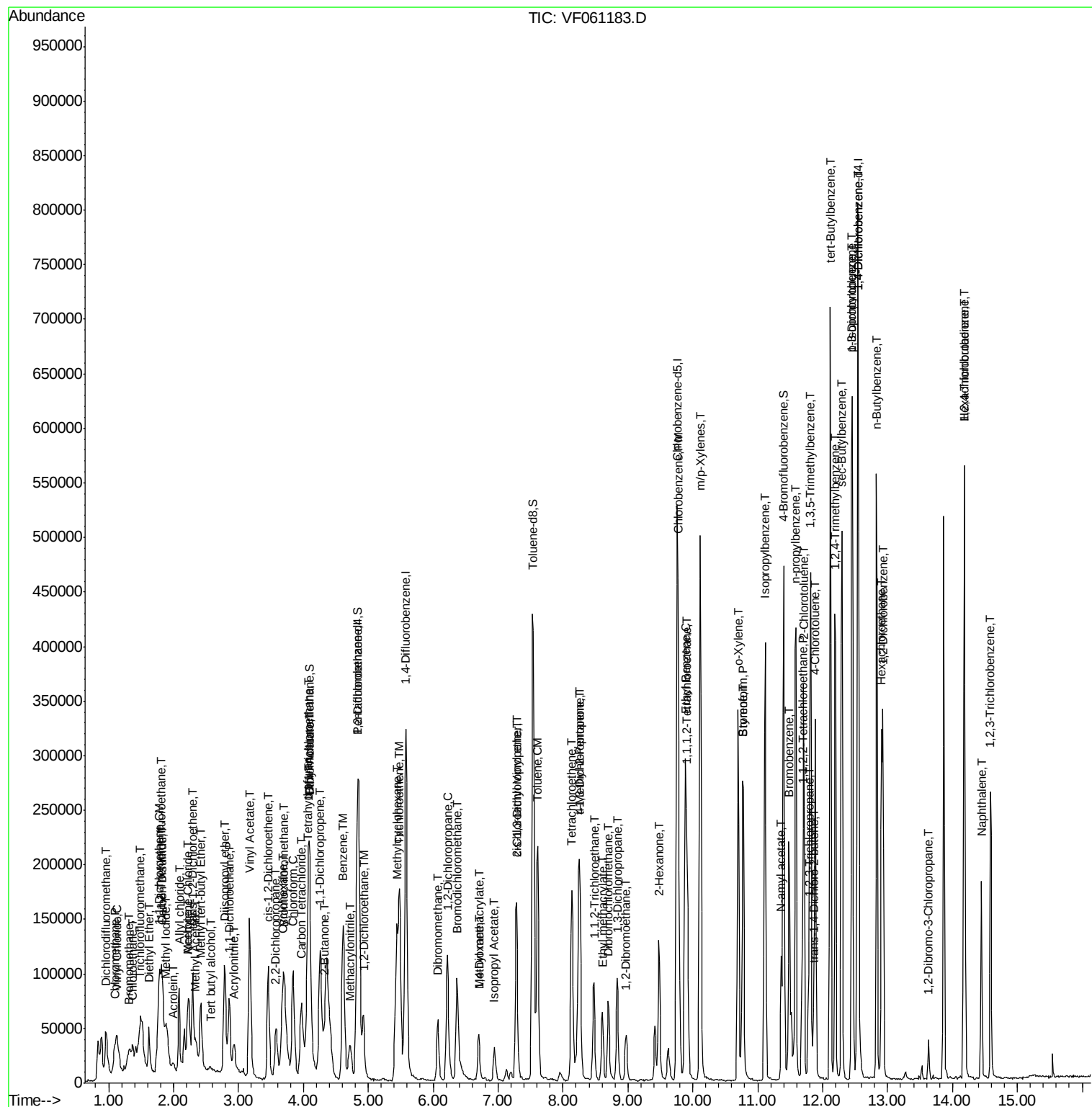
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	77420	20.129	ug/l	95
94) Hexachlorobutadiene	14.18	225	48495	19.797	ug/l	95
95) Naphthalene	14.45	128	136900	19.492	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	69875	19.652	ug/l	99

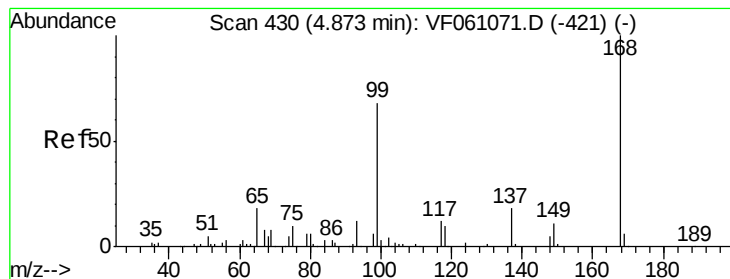
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

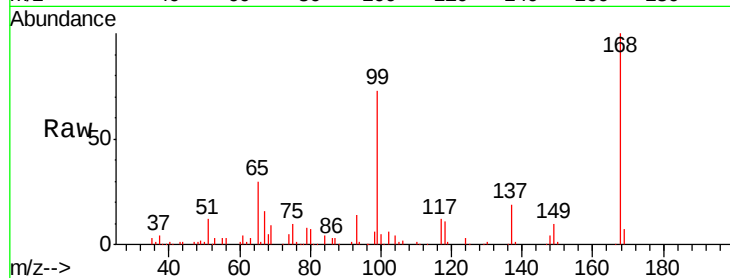
VF1226SBSD01

Tgt Ion:168 Resp: 197797

Ion Ratio Lower Upper

168 100

99 73.0 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

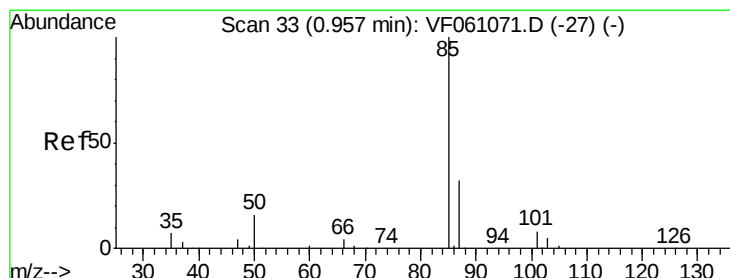
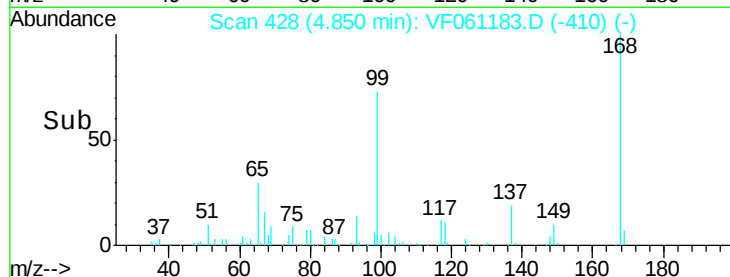
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 17.321 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061183.D

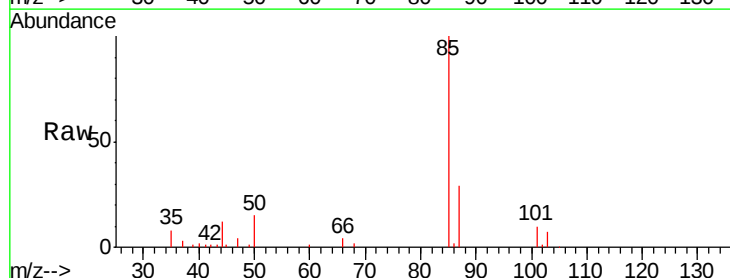
Acq: 26 Dec 2018 12:44

Tgt Ion: 85 Resp: 76159

Ion Ratio Lower Upper

85 100

87 29.2 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

15000

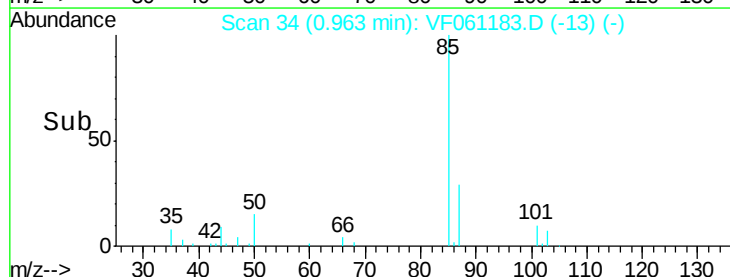
10000

5000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 19.285 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

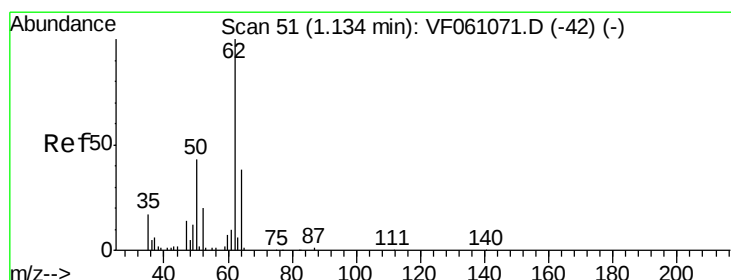
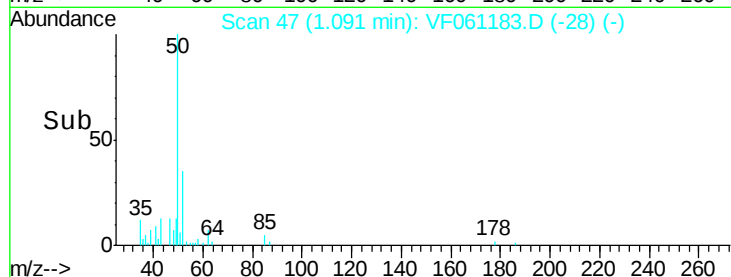
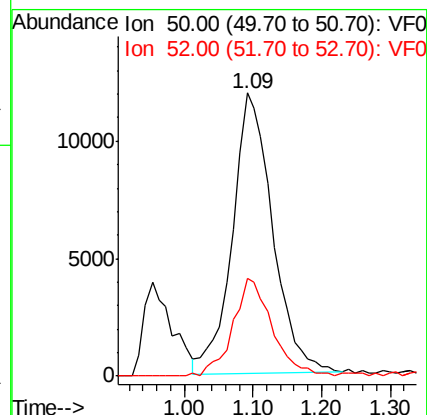
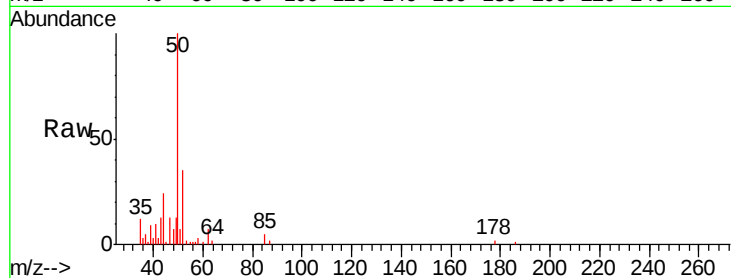
VF1226SBSD01

Tgt Ion: 50 Resp: 48571

Ion Ratio Lower Upper

50 100

52 34.7 26.3 39.5



#4

Vinyl Chloride

Concen: 20.017 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061183.D

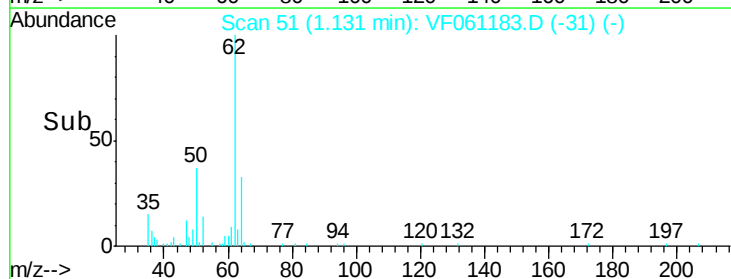
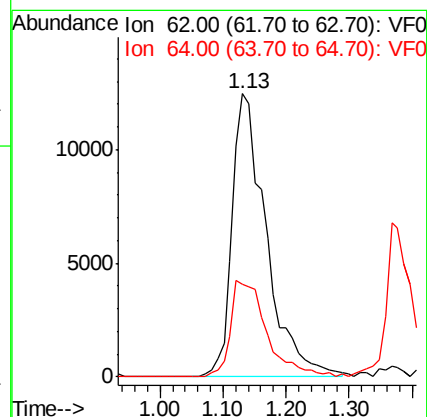
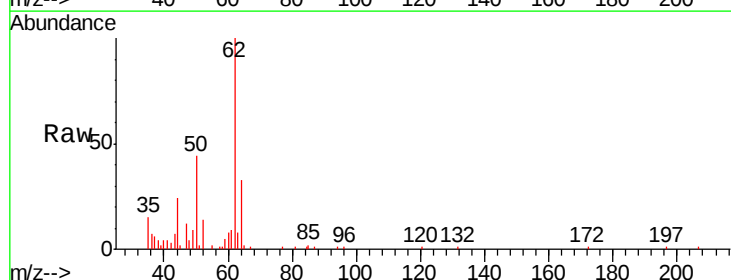
Acq: 26 Dec 2018 12:44

Tgt Ion: 62 Resp: 46767

Ion Ratio Lower Upper

62 100

64 32.7 30.4 45.6





#5

Bromomethane

Concen: 18.970 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

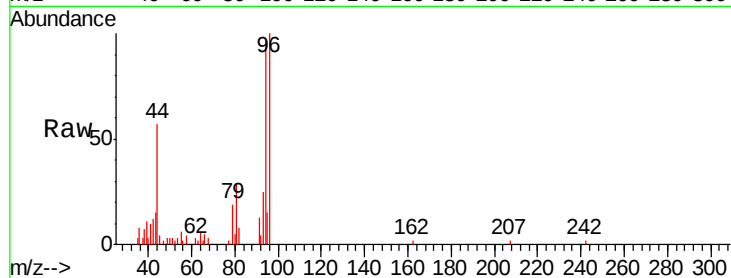
VF1226SBS01

Tgt Ion: 94 Resp: 30741

Ion Ratio Lower Upper

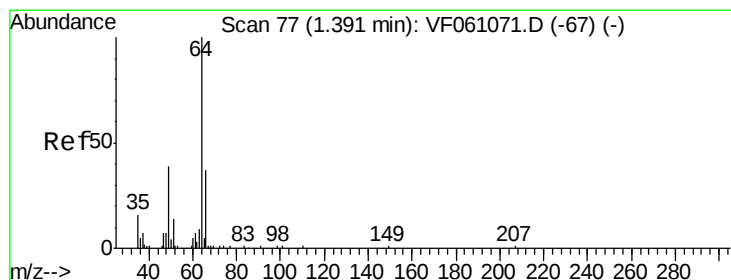
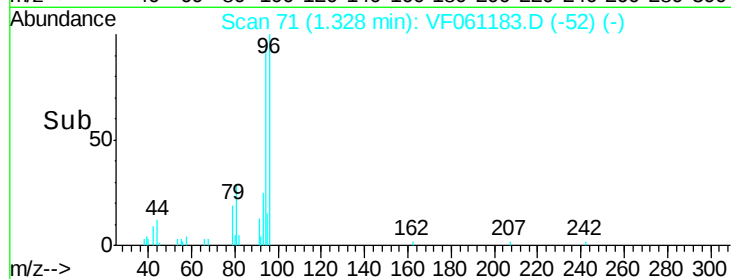
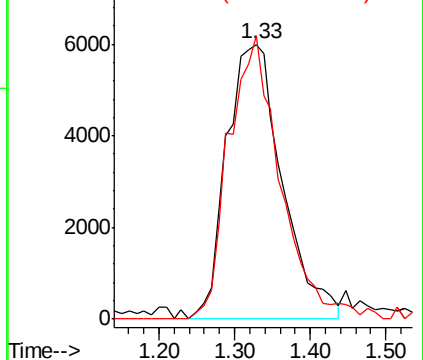
94 100

96 102.9 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 17.705 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF061183.D

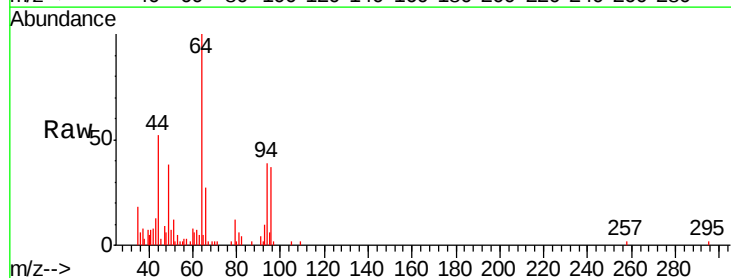
Acq: 26 Dec 2018 12:44

Tgt Ion: 64 Resp: 19061

Ion Ratio Lower Upper

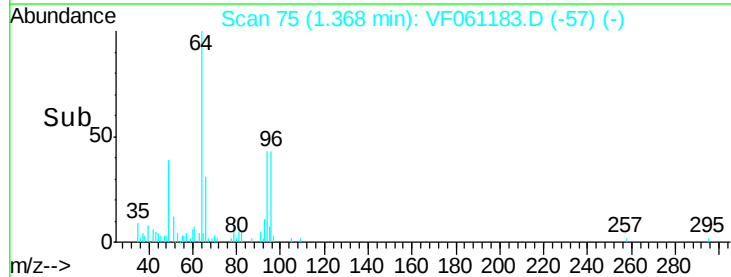
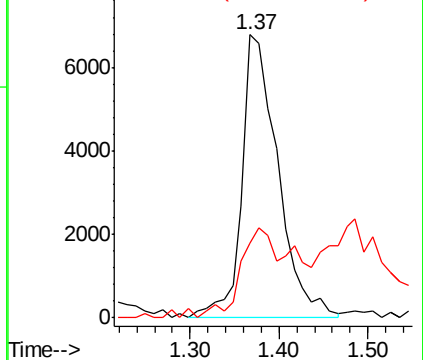
64 100

66 26.5 30.9 46.3#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



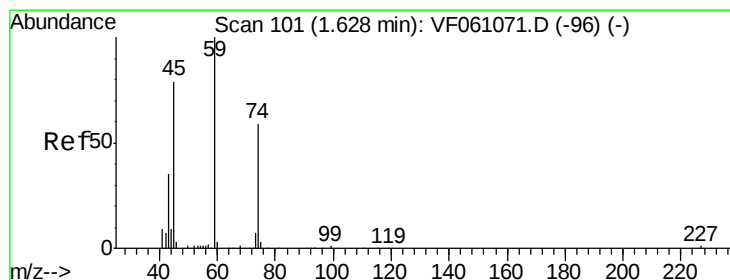
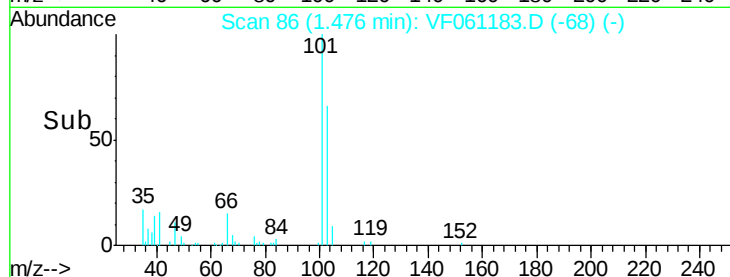
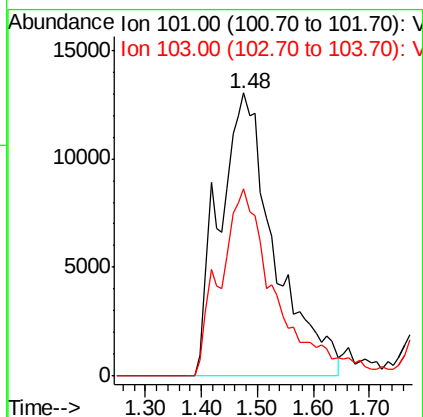
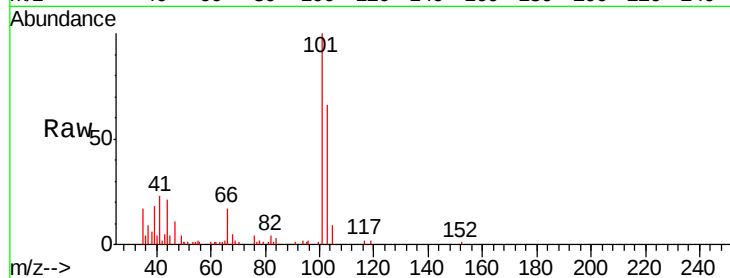


#7

Trichlorofluoromethane
Concen: 19.958 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.02 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
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VF1226SBS01

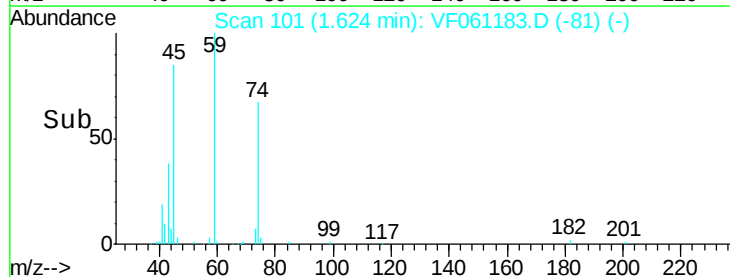
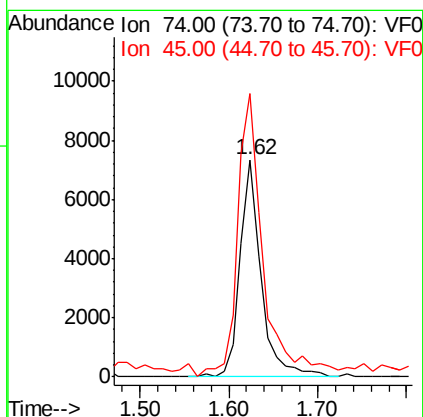
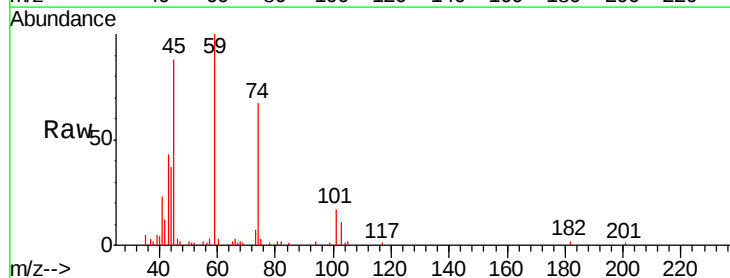
Tgt Ion: 101 Resp: 89035
Ion Ratio Lower Upper
101 100
103 66.4 50.7 76.1



#8

Diethyl Ether
Concen: 19.876 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion: 74 Resp: 12142
Ion Ratio Lower Upper
74 100
45 130.2 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.869 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.02 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

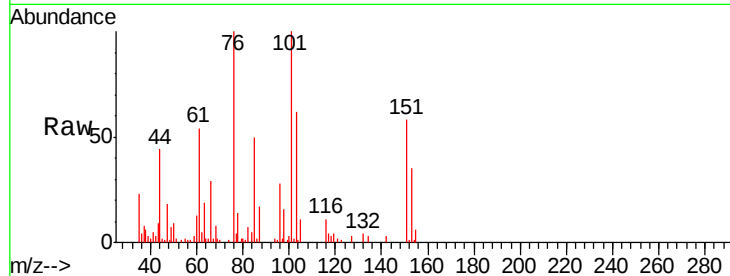
Tgt Ion:101 Resp: 43644

Ion Ratio Lower Upper

101 100

85 50.1 44.5 66.7

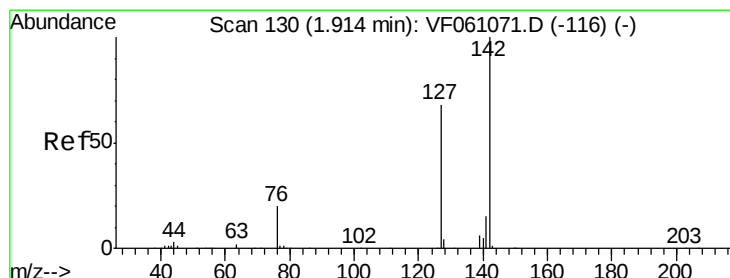
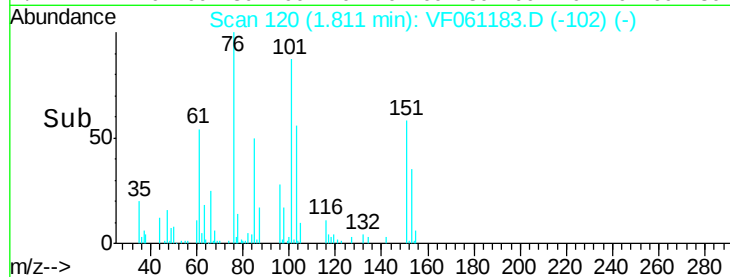
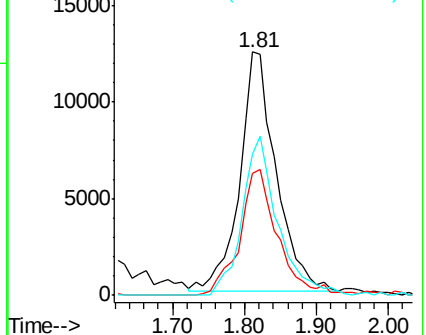
151 58.1 49.9 74.9



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: 18.019 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

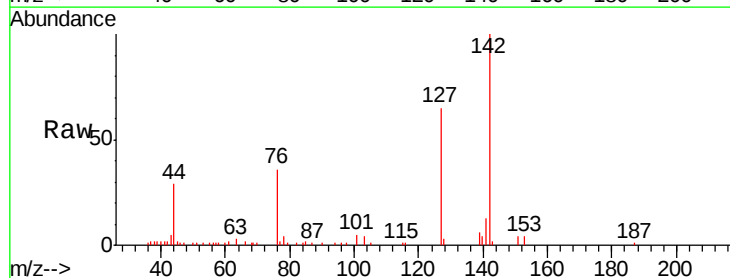
Tgt Ion:142 Resp: 65700

Ion Ratio Lower Upper

142 100

127 65.3 54.7 82.1

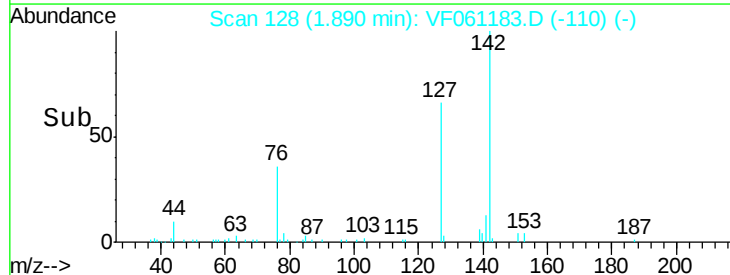
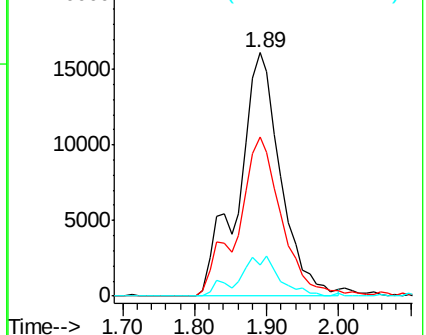
141 12.8 12.2 18.2

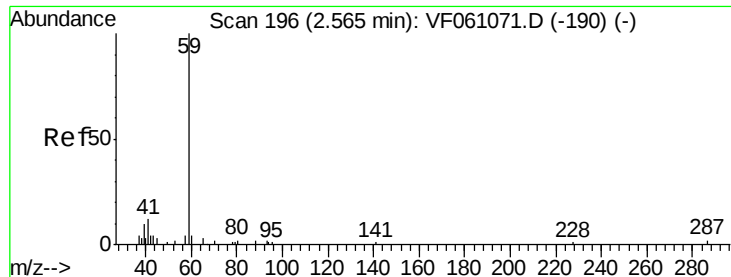


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



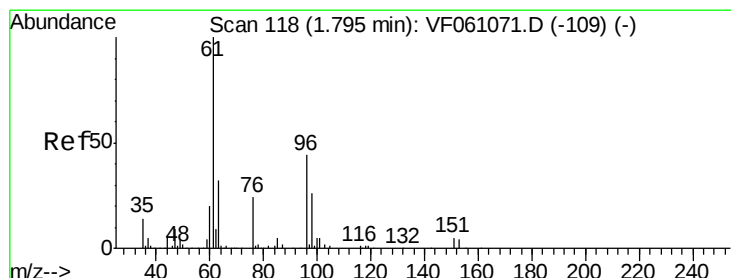
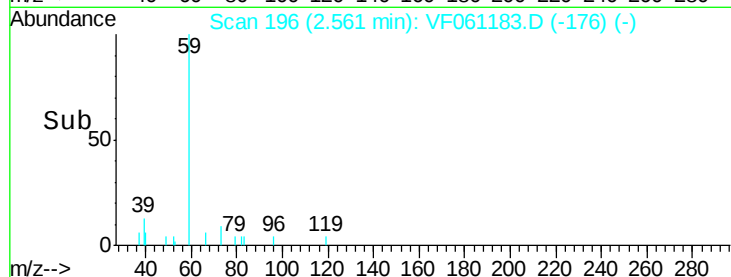
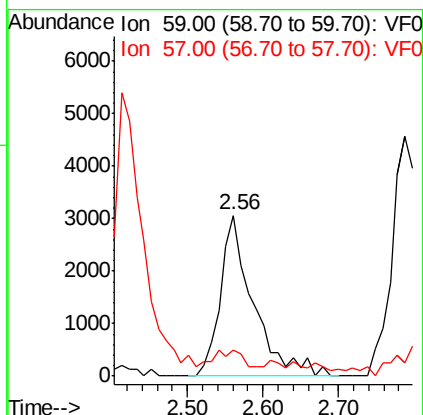
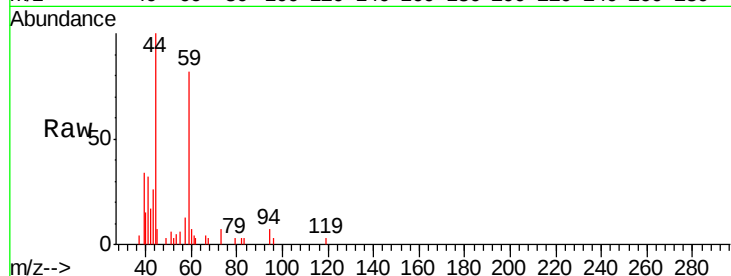


#11

Tert butyl alcohol
 Concen: 90.239 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.00 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

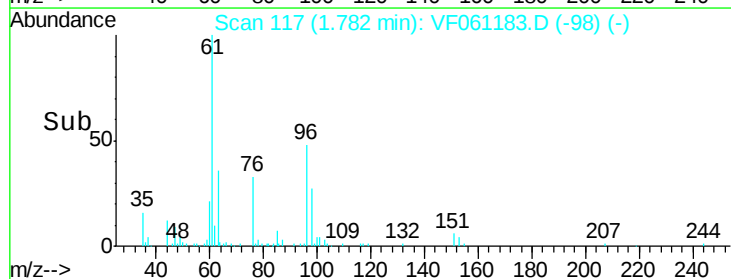
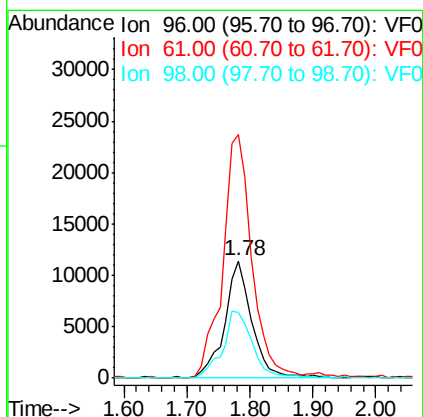
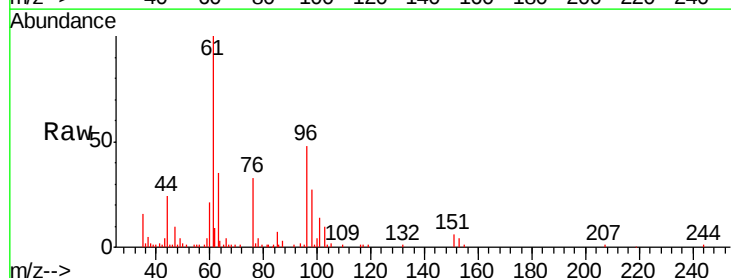
Tgt Ion: 59 Resp: 9264
 Ion Ratio Lower Upper
 59 100
 57 16.2 11.5 17.3

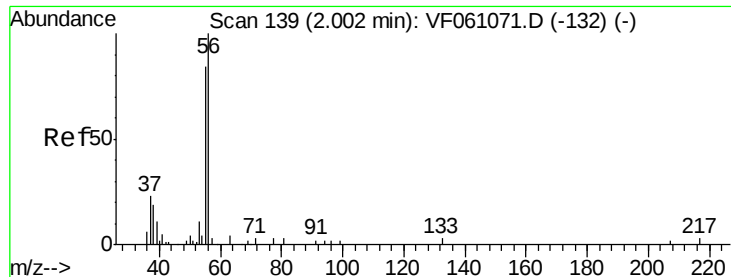


#12

1,1-Dichloroethene
 Concen: 19.526 ug/l
 RT: 1.78 min Scan# 117
 Delta R.T. -0.01 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Tgt Ion: 96 Resp: 34045
 Ion Ratio Lower Upper
 96 100
 61 207.6 182.0 273.0
 98 56.2 46.5 69.7





#13

Acrolein

Concen: 95.966 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

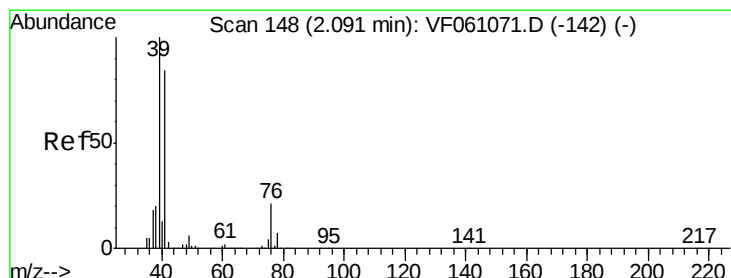
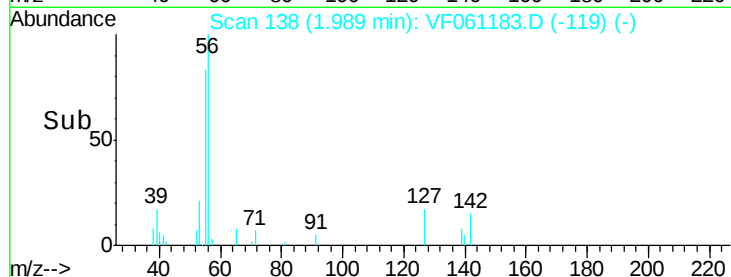
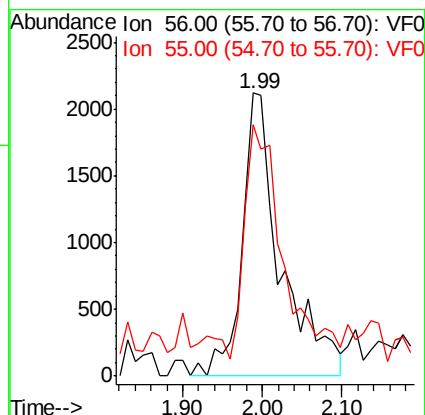
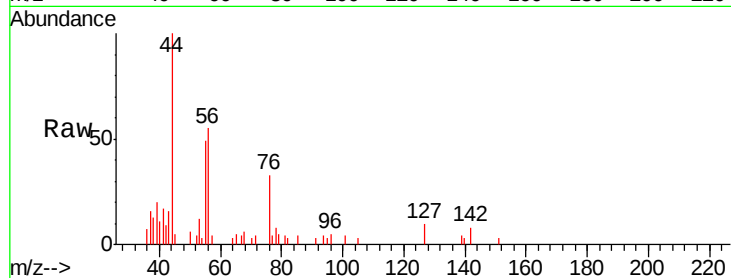
VF1226SBS01

Tgt Ion: 56 Resp: 7119

Ion Ratio Lower Upper

56 100

55 88.9 70.2 105.2



#14

Allyl chloride

Concen: 23.460 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

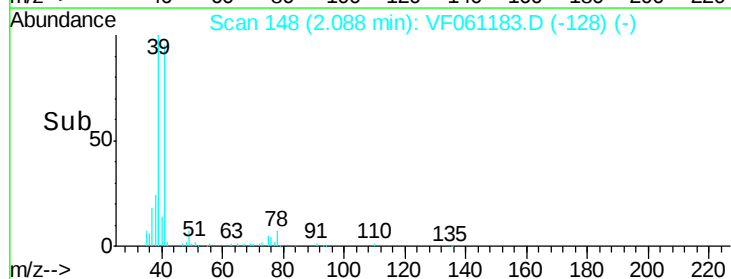
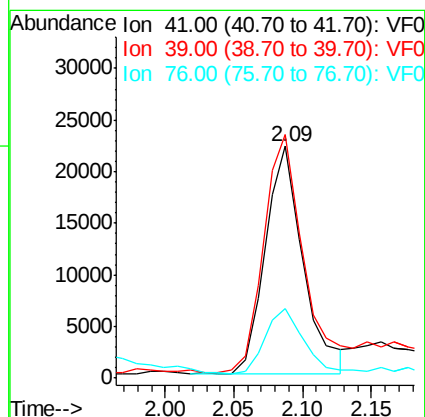
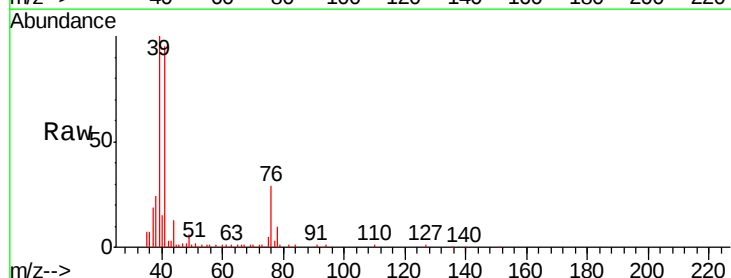
Tgt Ion: 41 Resp: 42568

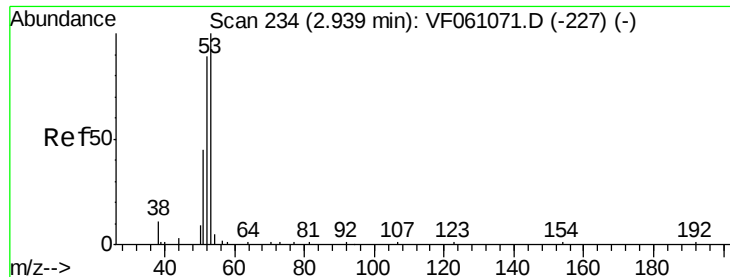
Ion Ratio Lower Upper

41 100

39 105.1 96.4 144.6

76 30.0 25.4 38.0





#15

Acrylonitrile

Concen: 102.097 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

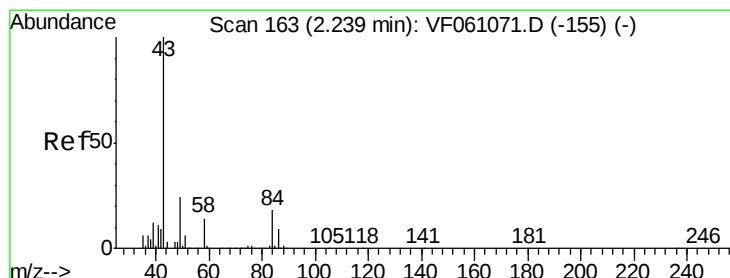
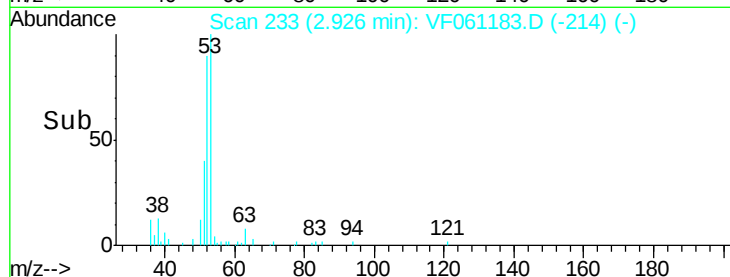
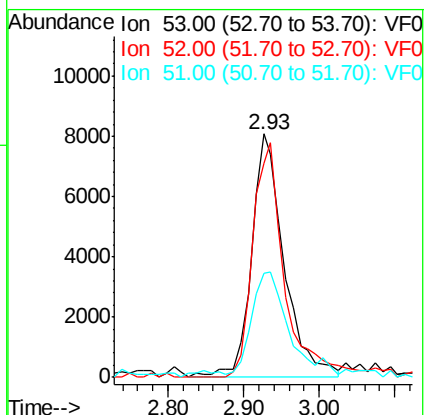
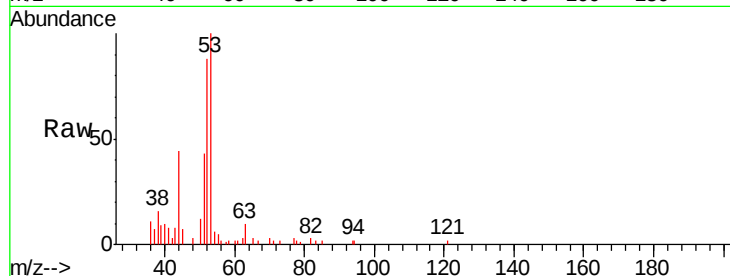
Tgt Ion: 53 Resp: 24237

Ion Ratio Lower Upper

53 100

52 87.9 71.3 106.9

51 42.6 36.8 55.2



#16

Acetone

Concen: 94.413 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061183.D

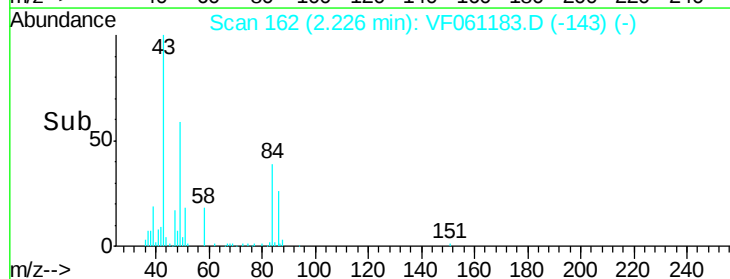
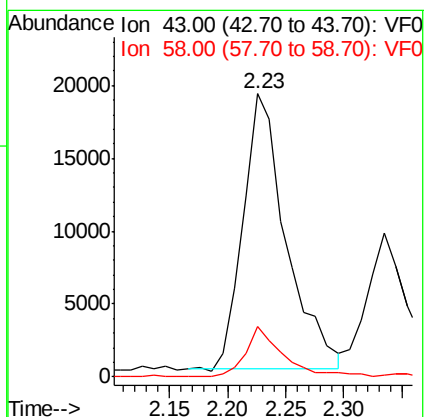
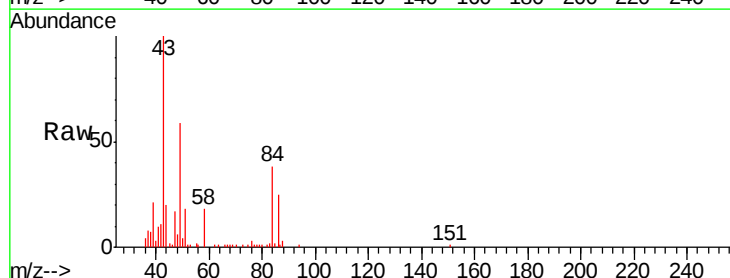
Acq: 26 Dec 2018 12:44

Tgt Ion: 43 Resp: 48016

Ion Ratio Lower Upper

43 100

58 17.9 11.1 16.7#

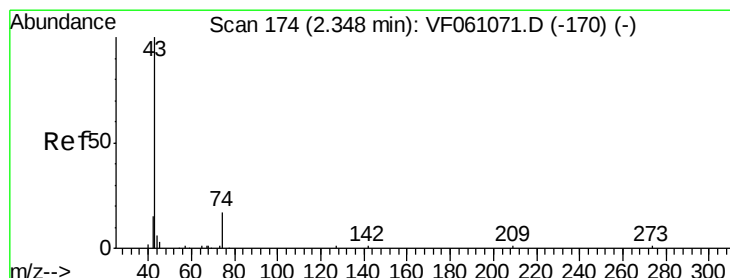
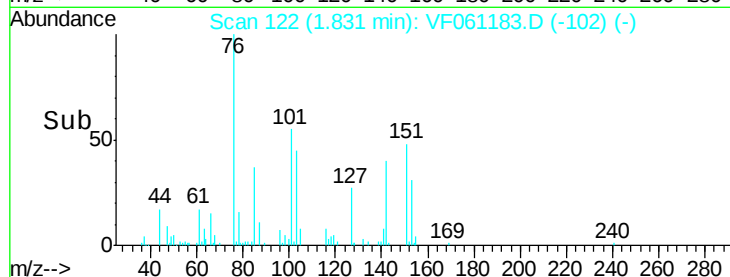
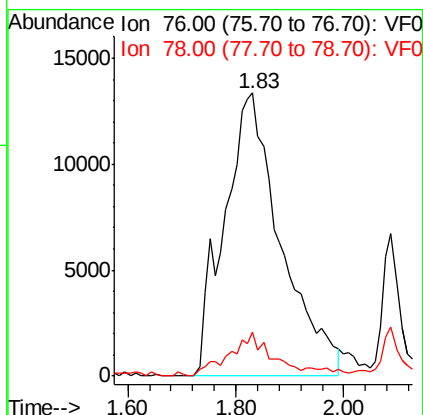
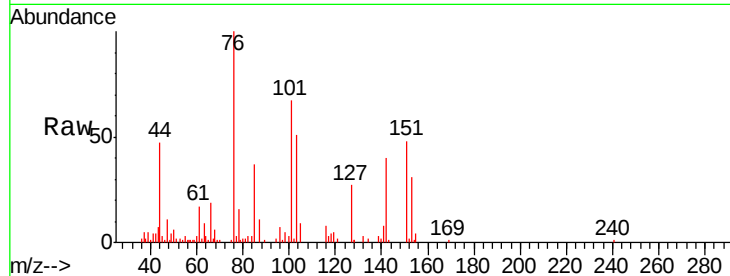




#17
Carbon Disulfide
Concen: 18.485 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

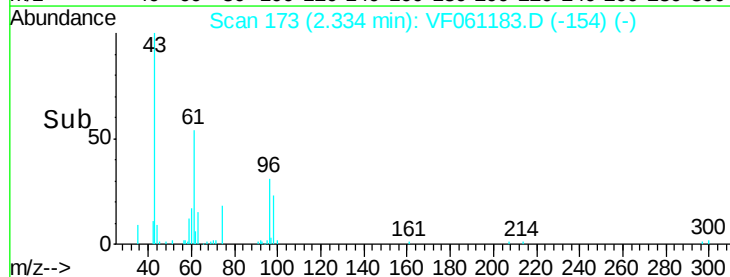
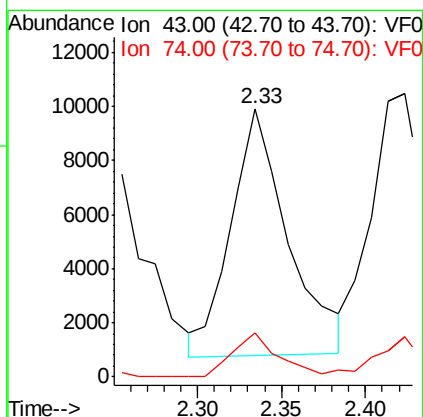
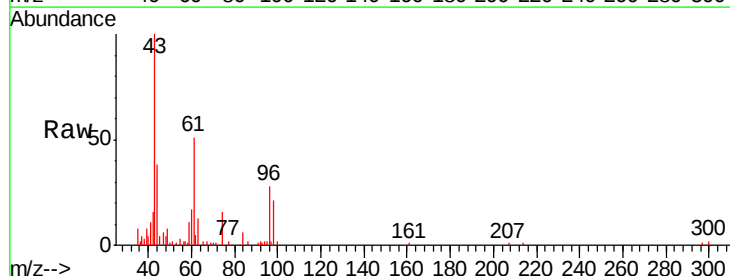
Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

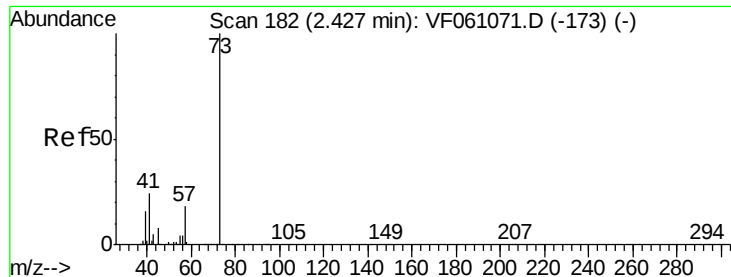
Tgt Ion: 76 Resp: 97399
Ion Ratio Lower Upper
76 100
78 15.5 10.2 15.4#



#18
Methyl Acetate
Concen: 20.371 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion: 43 Resp: 21434
Ion Ratio Lower Upper
43 100
74 16.3 11.0 16.6



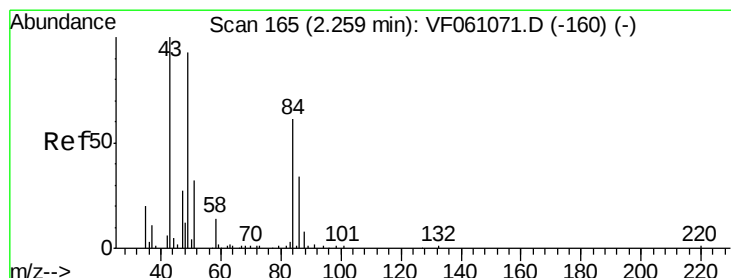
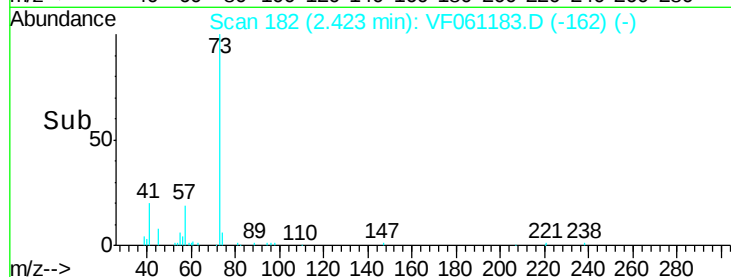
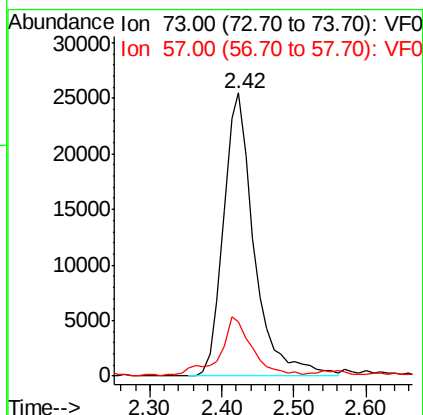
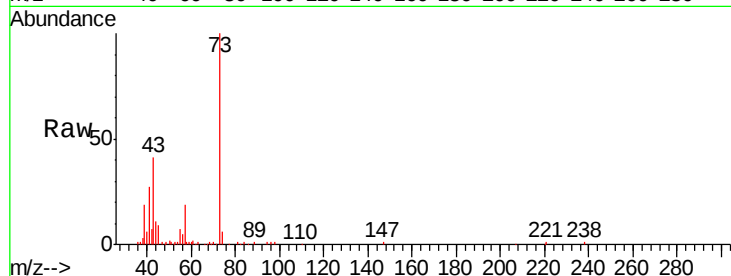


#19

Methyl tert-butyl Ether
 Concen: 19.427 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

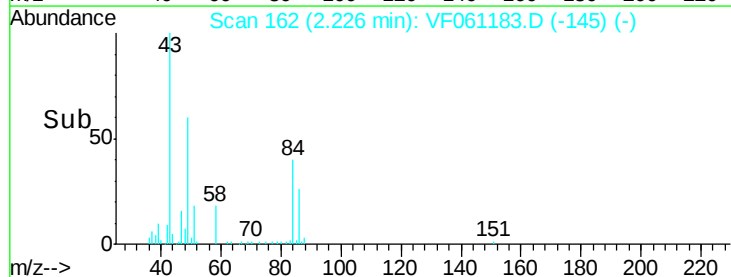
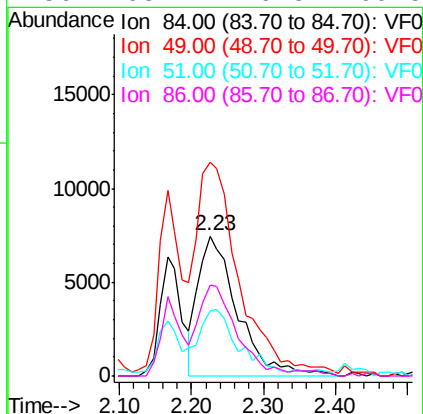
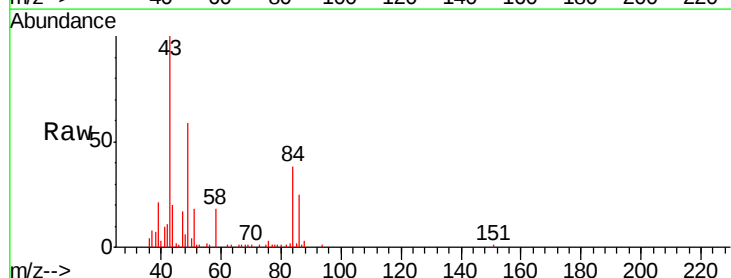
Tgt Ion: 73 Resp: 75186
 Ion Ratio Lower Upper
 73 100
 57 19.1 14.5 21.7

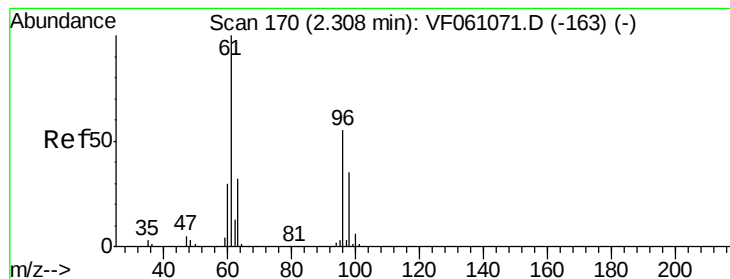


#20

Methylene Chloride
 Concen: 14.190 ug/l
 RT: 2.23 min Scan# 162
 Delta R.T. -0.03 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Tgt Ion: 84 Resp: 28290
 Ion Ratio Lower Upper
 84 100
 49 152.6 129.4 194.2
 51 46.6 44.0 66.0
 86 65.4 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 19.300 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

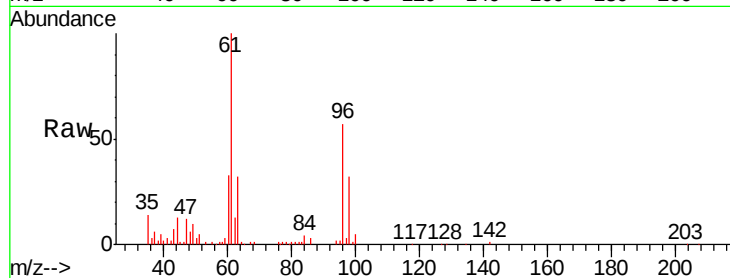
Tgt Ion: 96 Resp: 35992

Ion Ratio Lower Upper

96 100

61 174.3 146.0 219.0

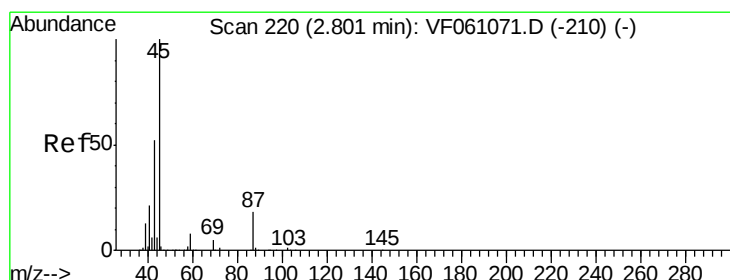
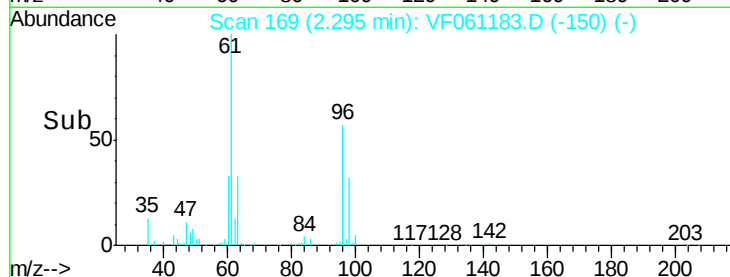
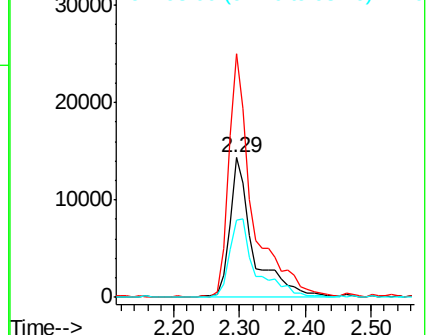
98 55.7 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 20.182 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Tgt Ion: 45 Resp: 121983

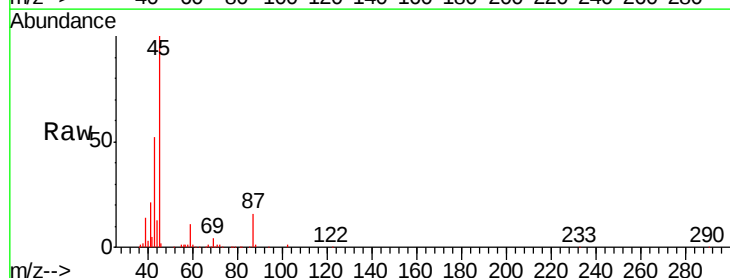
Ion Ratio Lower Upper

45 100

43 52.3 42.2 63.2

87 15.8 14.6 22.0

59 11.0 7.0 10.4#

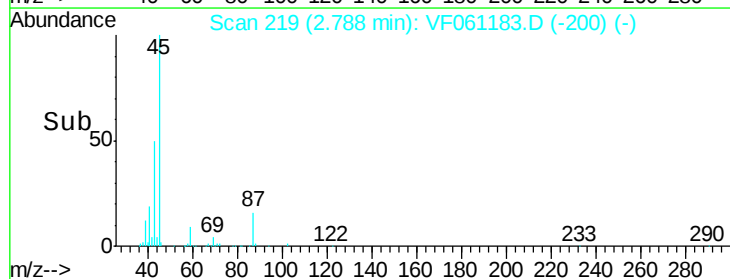
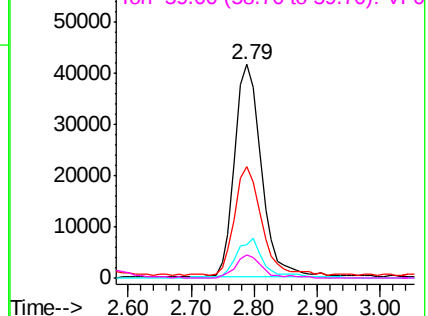


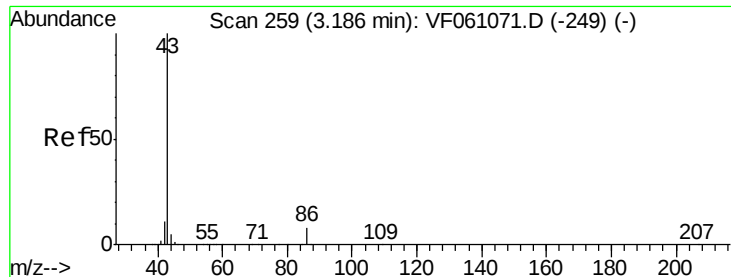
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 103.966 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

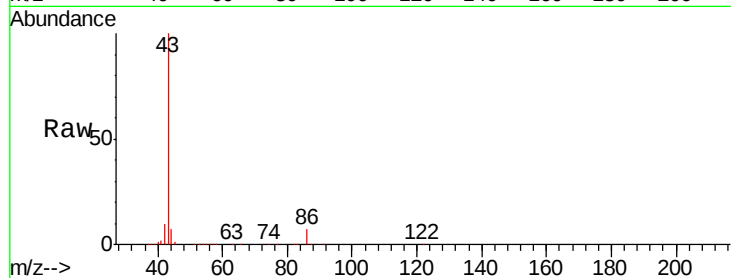
VF1226SBSD01

Tgt Ion: 43 Resp: 289885

Ion Ratio Lower Upper

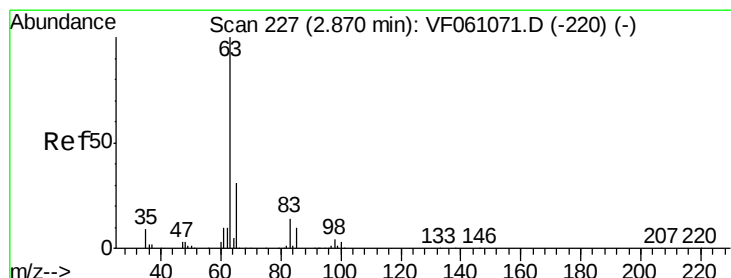
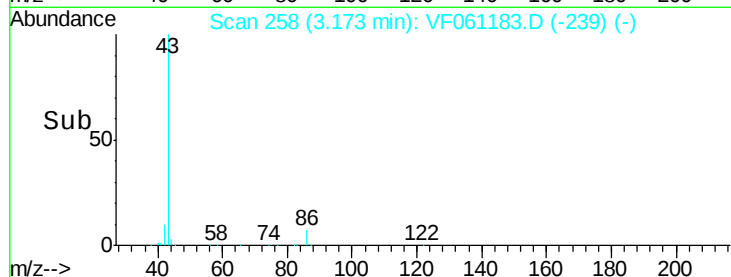
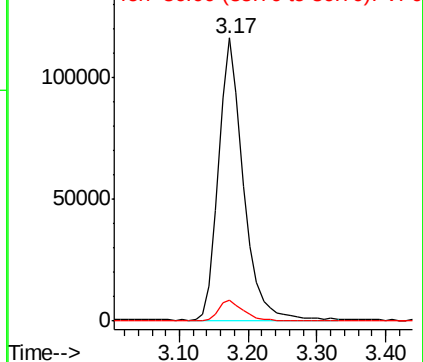
43 100

86 7.2 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 21.464 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

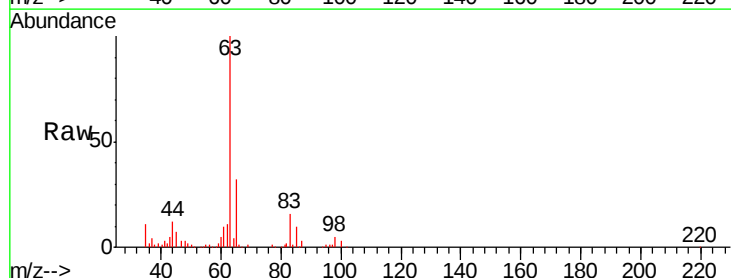
Tgt Ion: 63 Resp: 76864

Ion Ratio Lower Upper

63 100

98 4.9 2.1 6.5

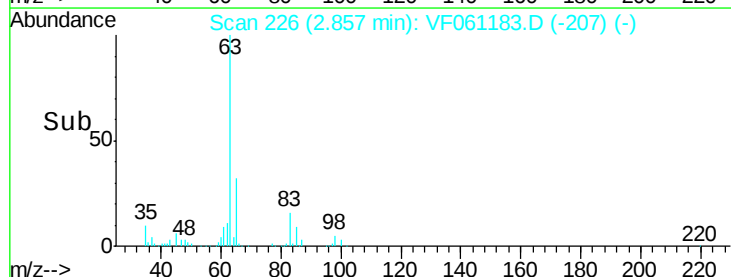
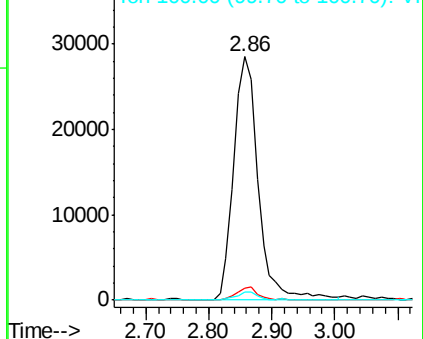
100 3.3 1.7 5.1

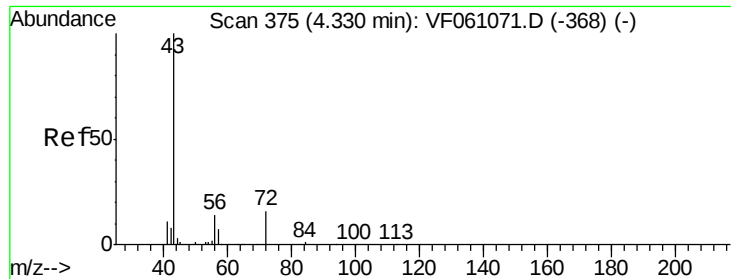


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 104.182 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

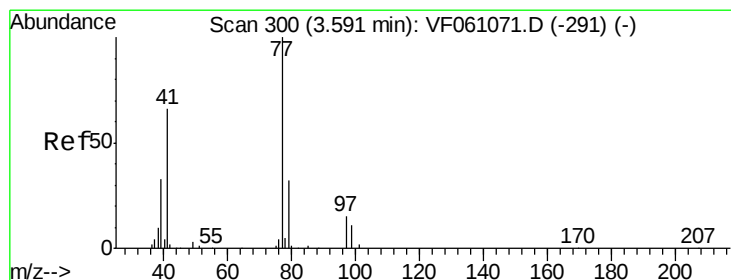
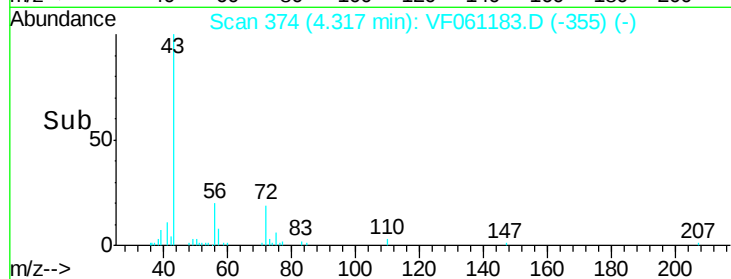
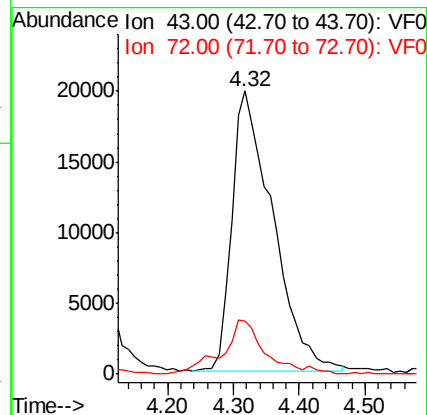
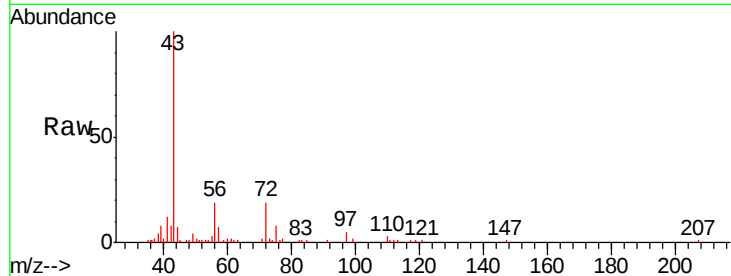
VF1226SBS01

Tgt Ion: 43 Resp: 85931

Ion Ratio Lower Upper

43 100

72 18.9 15.6 23.4



#26

2,2-Dichloropropane

Concen: 22.353 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061183.D

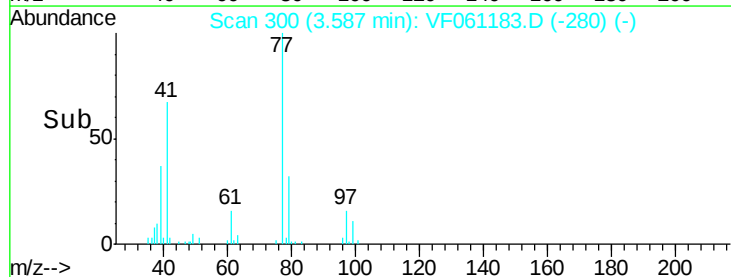
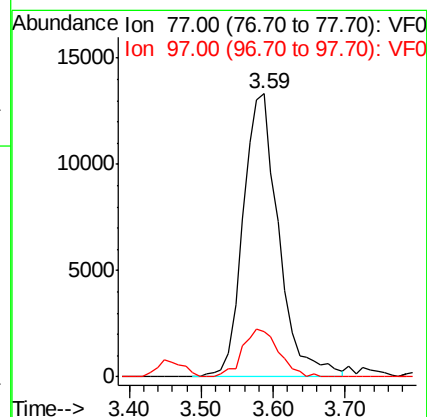
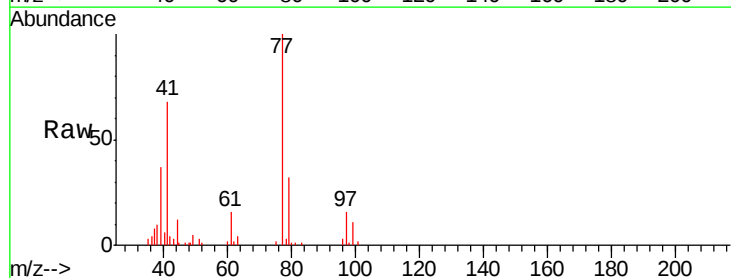
Acq: 26 Dec 2018 12:44

Tgt Ion: 77 Resp: 45937

Ion Ratio Lower Upper

77 100

97 15.8 8.2 24.4



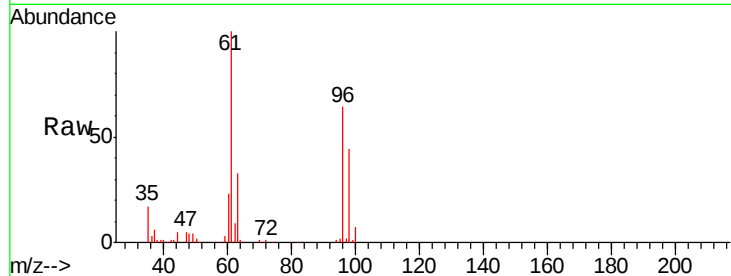


#27

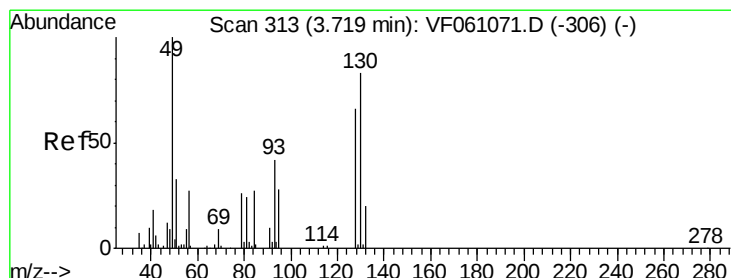
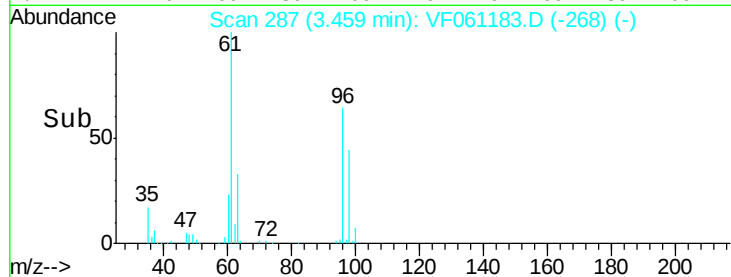
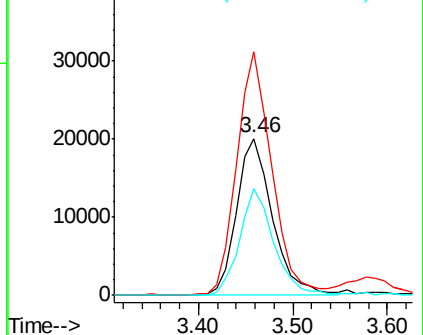
cis-1,2-Dichloroethene
 Concen: 18.573 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

Tgt Ion: 96 Resp: 53024
 Ion Ratio Lower Upper
 96 100
 61 155.5 0.0 287.8
 98 68.2 0.0 134.2



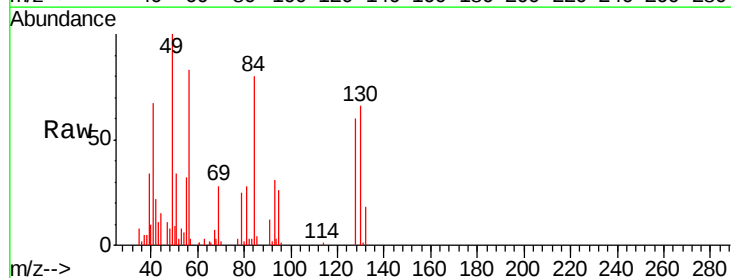
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



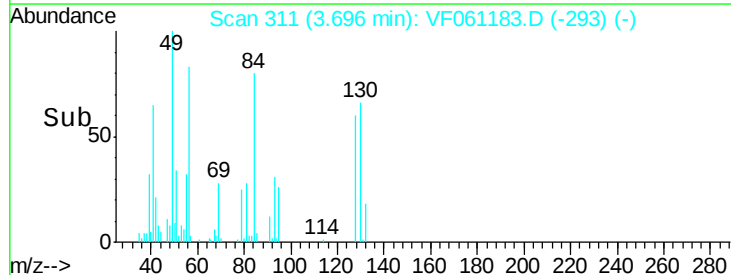
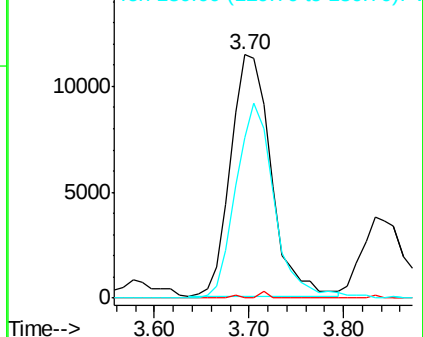
#28

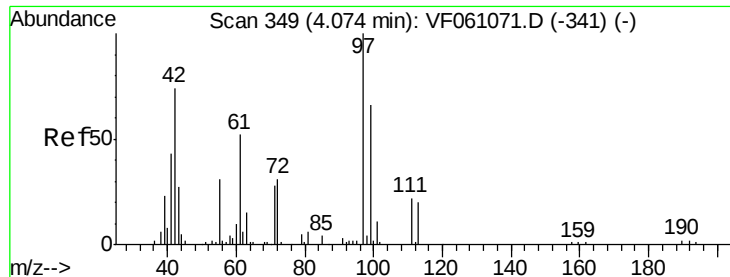
Bromochloromethane
 Concen: 18.527 ug/l
 RT: 3.70 min Scan# 311
 Delta R.T. -0.02 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Tgt Ion: 49 Resp: 33664
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 65.8 65.8 98.6



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 105.512 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

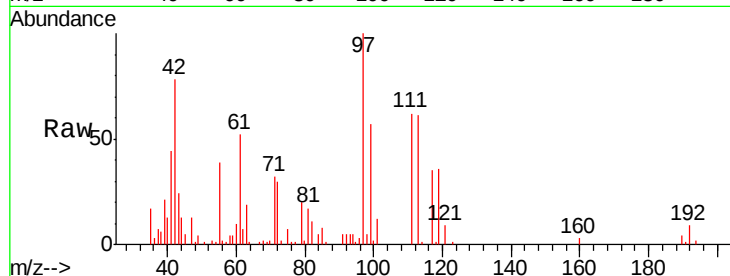
Tgt Ion: 42 Resp: 35421

Ion Ratio Lower Upper

42 100

72 37.5 31.8 47.8

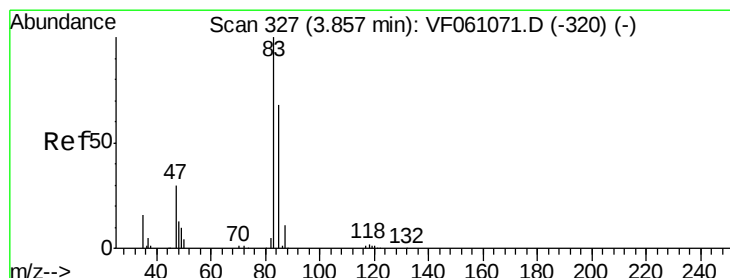
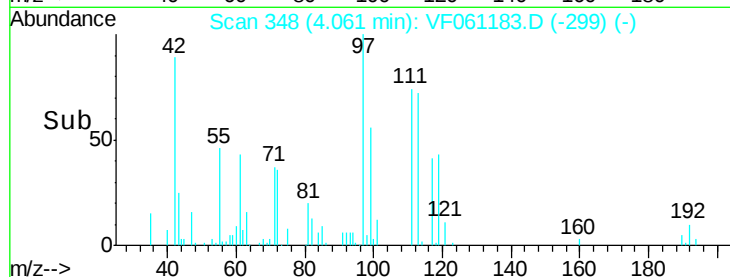
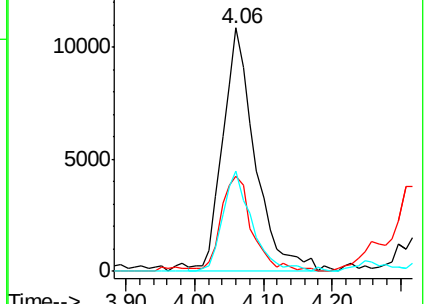
71 36.9 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 20.416 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF061183.D

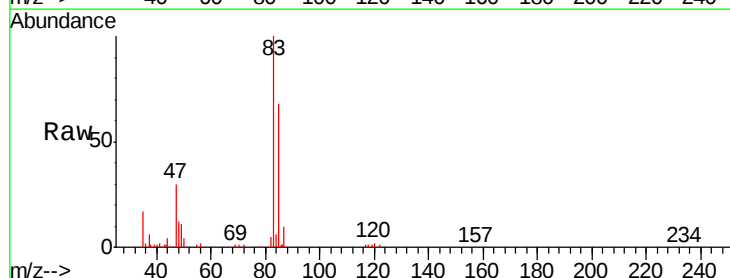
Acq: 26 Dec 2018 12:44

Tgt Ion: 83 Resp: 109626

Ion Ratio Lower Upper

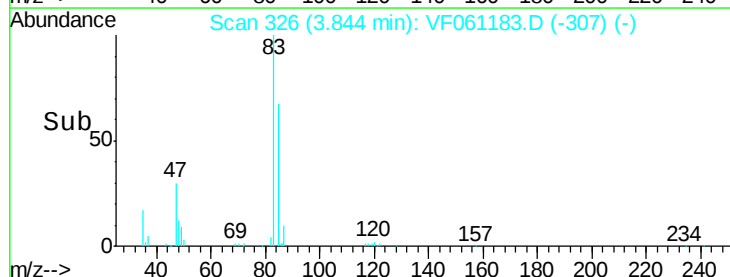
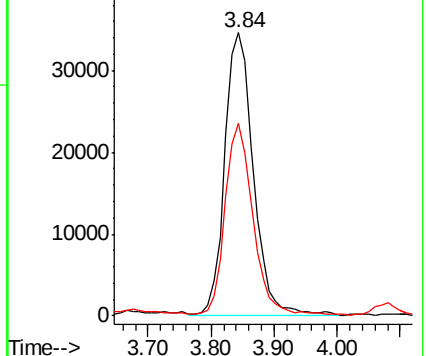
83 100

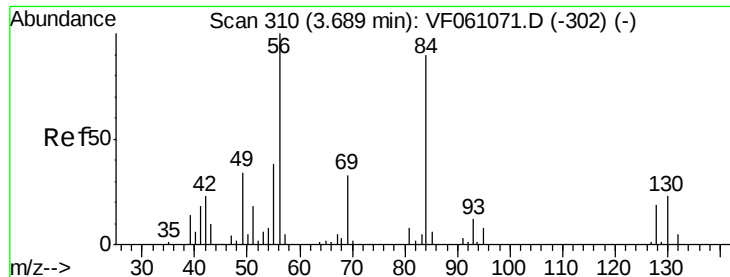
85 68.0 54.5 81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

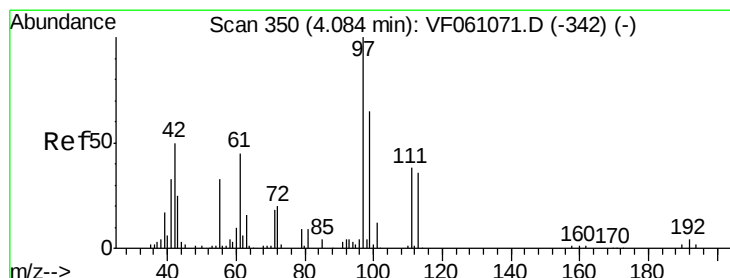
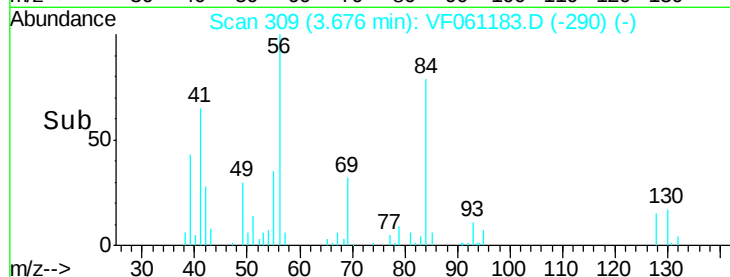
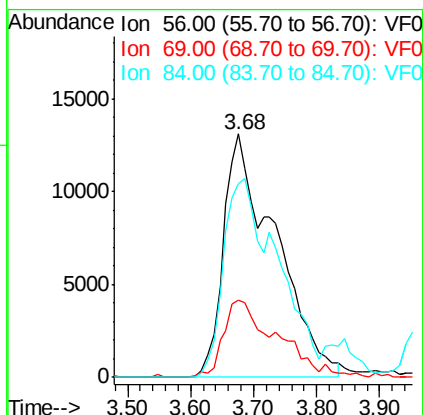
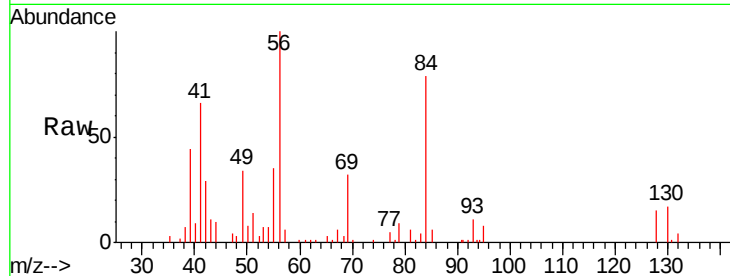




#31
Cyclohexane
Concen: 20.204 ug/l
RT: 3.68 min Scan# 309
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

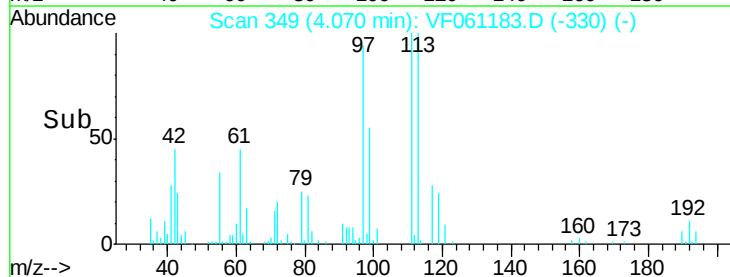
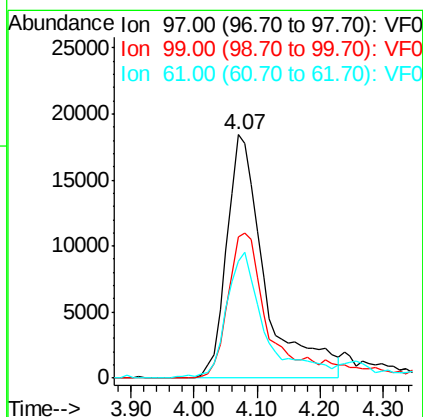
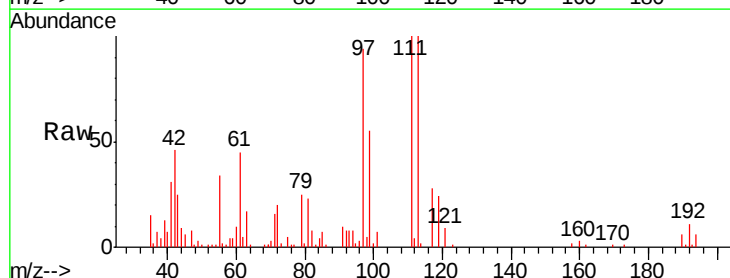
Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

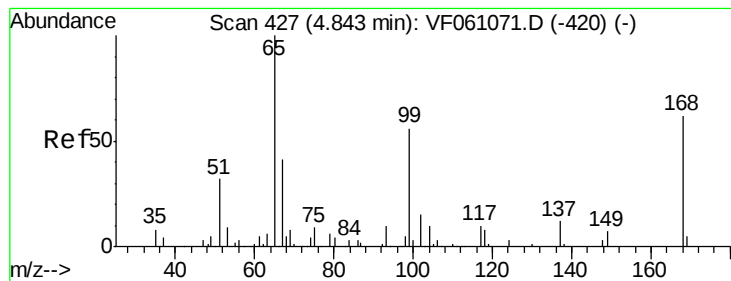
Tgt Ion: 56 Resp: 75079
Ion Ratio Lower Upper
56 100
69 31.7 26.0 39.0
84 79.4 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 24.336 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion: 97 Resp: 78322
Ion Ratio Lower Upper
97 100
99 58.1 51.6 77.4
61 47.9 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 48.802 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

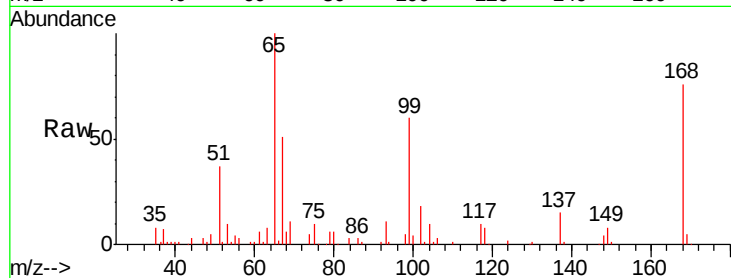
VF1226SBSD01

Tgt Ion: 65 Resp: 124154

Ion Ratio Lower Upper

65 100

67 50.8 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

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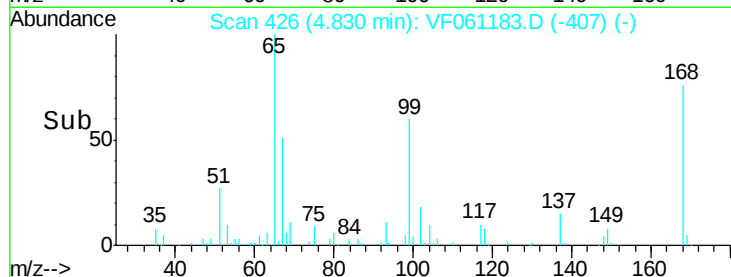
4.83

4.83

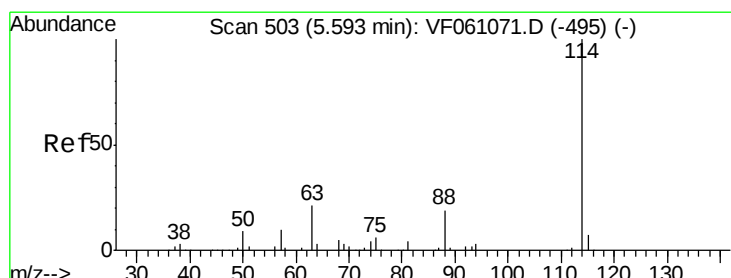
4.83

4.83

4.83



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

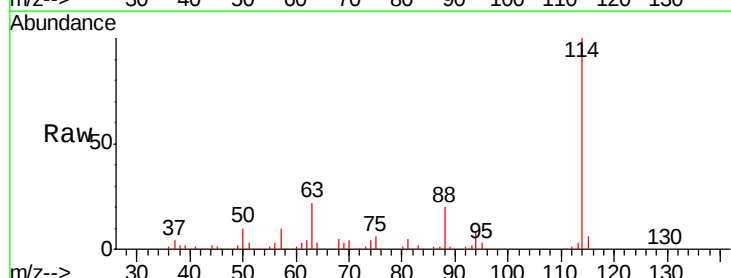
Tgt Ion: 114 Resp: 343960

Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.6

88 20.0 0.0 38.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

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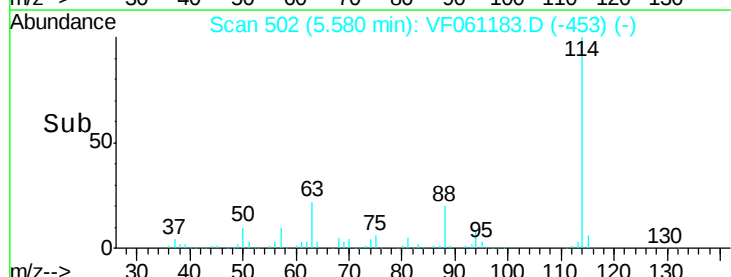
5.58

5.58

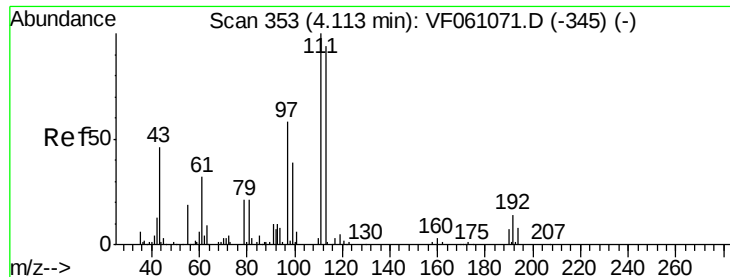
5.58

5.58

5.58



Time-->



#35

Dibromofluoromethane

Concen: 47.706 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

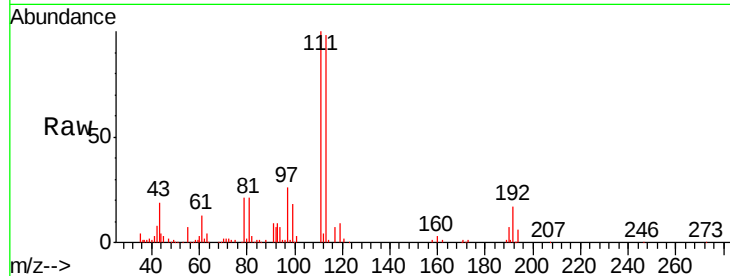
Tgt Ion:113 Resp: 131446

Ion Ratio Lower Upper

113 100

111 101.7 85.2 127.8

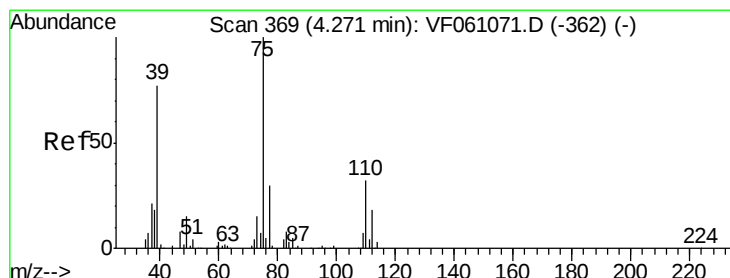
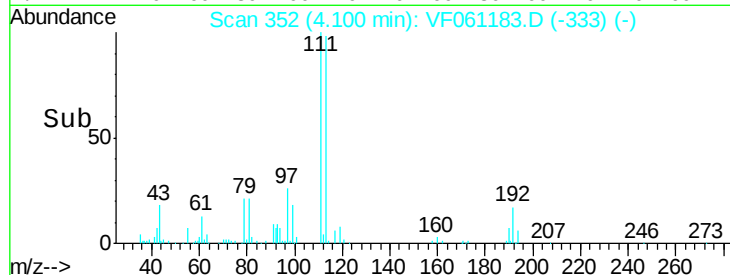
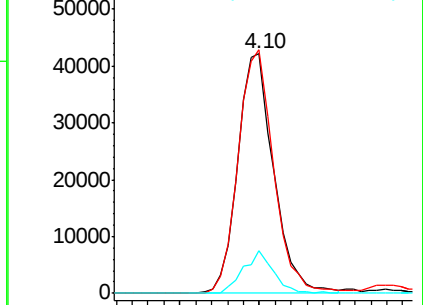
192 17.9 12.8 19.2



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.531 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

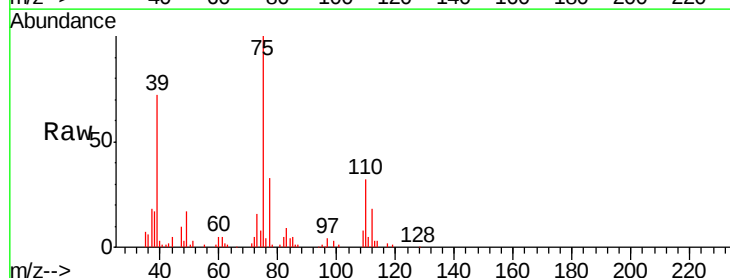
Tgt Ion: 75 Resp: 85243

Ion Ratio Lower Upper

75 100

110 31.8 16.1 48.2

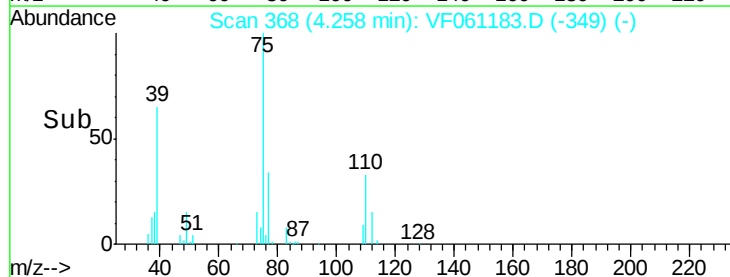
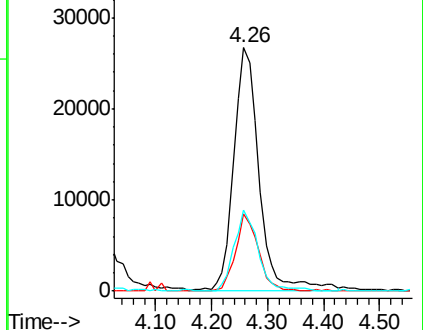
77 33.4 24.5 36.7

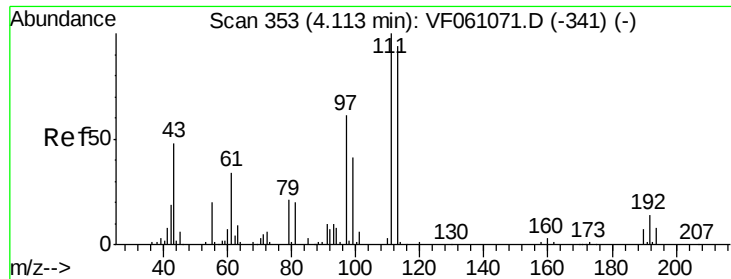


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

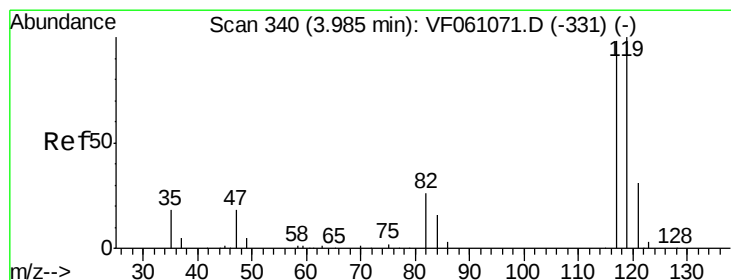
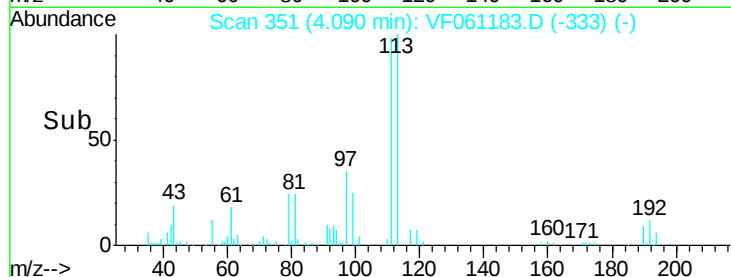
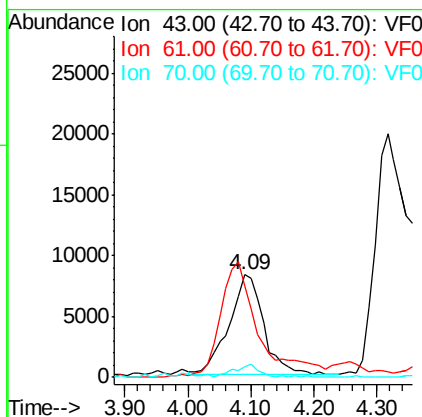
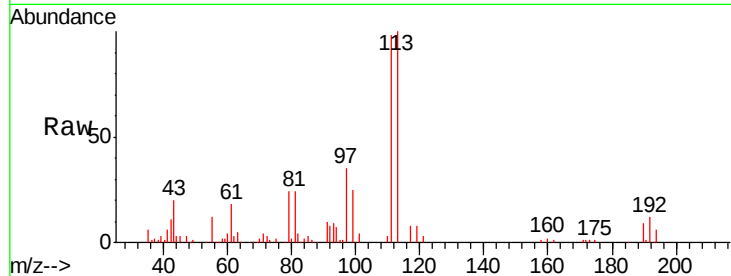




#37
Ethyl Acetate
Concen: 17.347 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

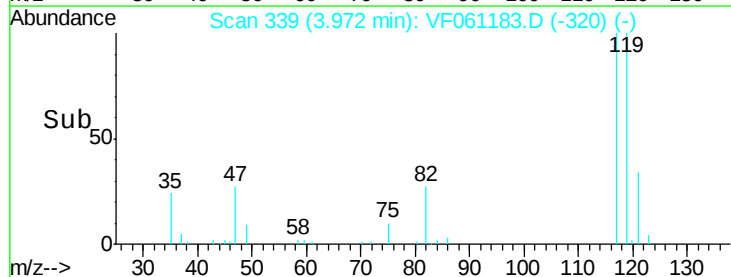
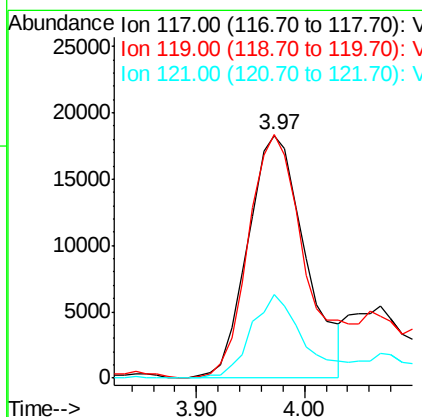
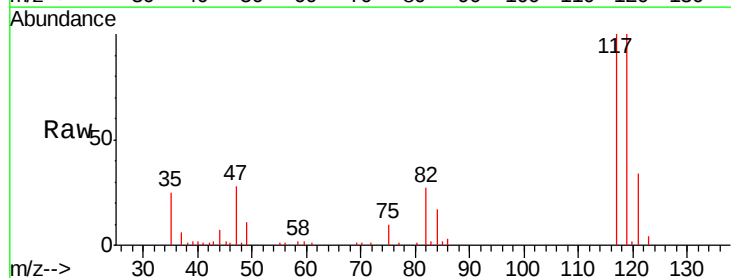
Instrument :
MSVOA_F
ClientSampleId :
VF1226SBSD01

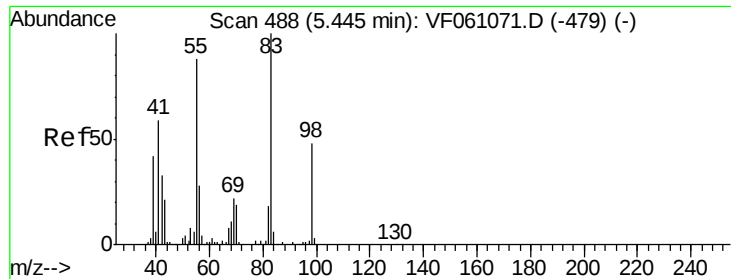
Tgt Ion: 43 Resp: 31357
Ion Ratio Lower Upper
43 100
61 89.3 56.6 84.8#
70 10.0 6.3 9.5#



#38
Carbon Tetrachloride
Concen: 21.314 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion: 117 Resp: 67391
Ion Ratio Lower Upper
117 100
119 100.3 82.1 123.1
121 34.4 25.5 38.3

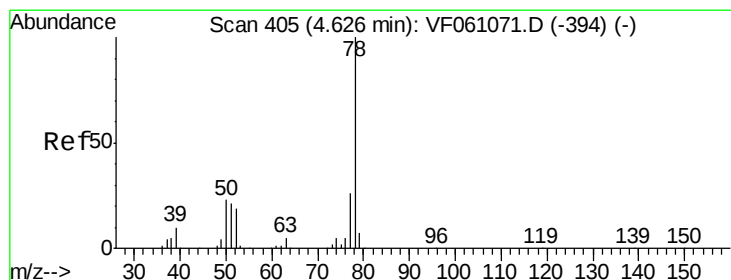
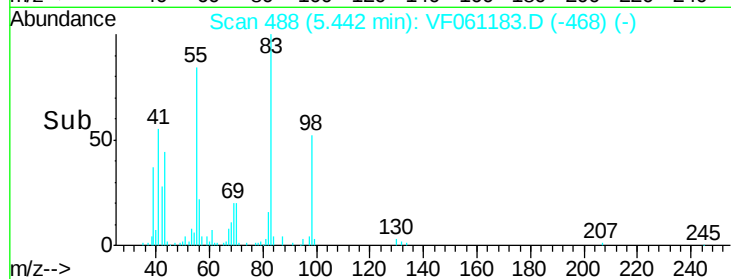
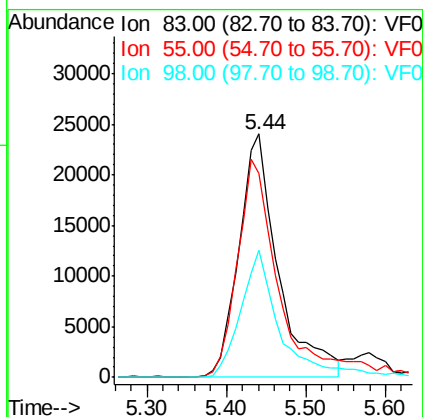
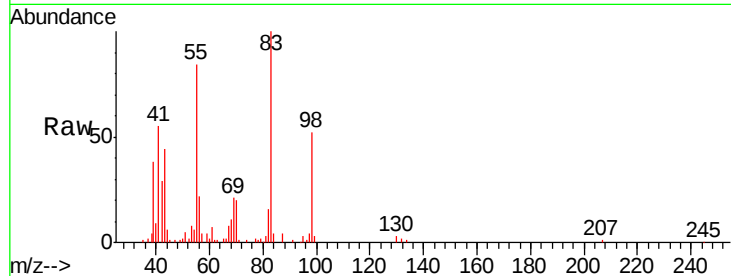




#39
Methylcyclohexane
Concen: 22.104 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.00 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

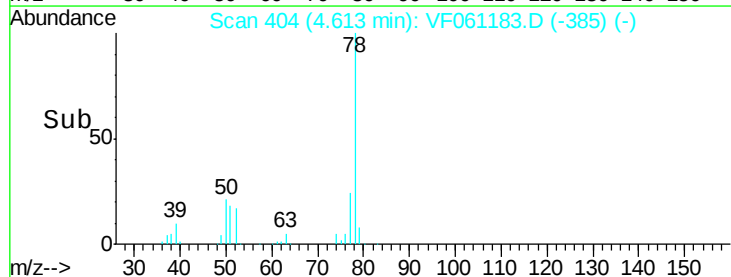
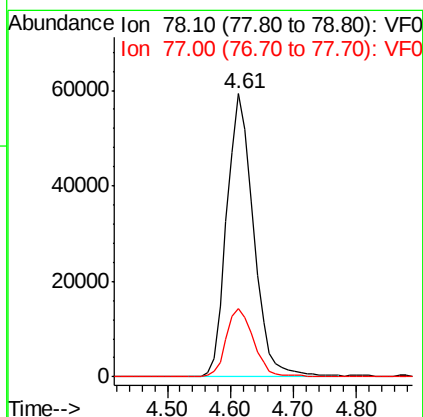
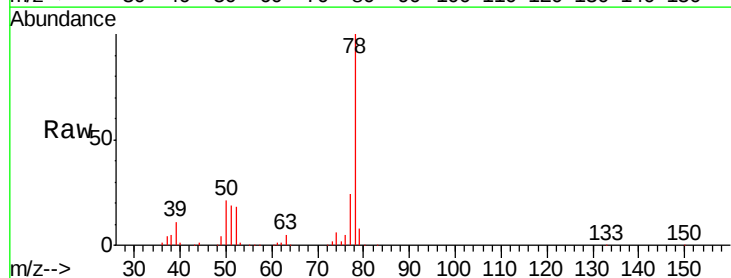
Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

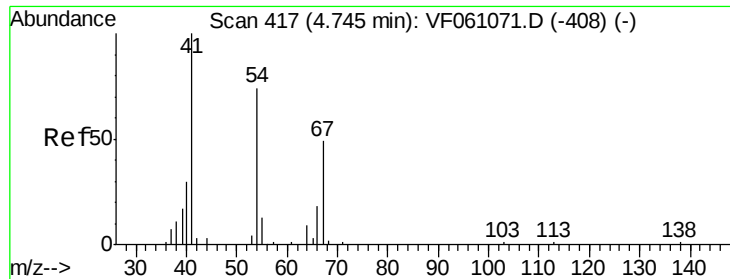
Tgt Ion: 83 Resp: 82332
Ion Ratio Lower Upper
83 100
55 83.8 70.6 105.8
98 52.1 38.5 57.7



#40
Benzene
Concen: 19.591 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion: 78 Resp: 174918
Ion Ratio Lower Upper
78 100
77 24.3 20.7 31.1

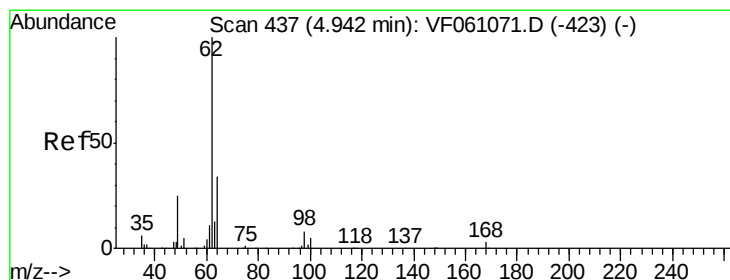
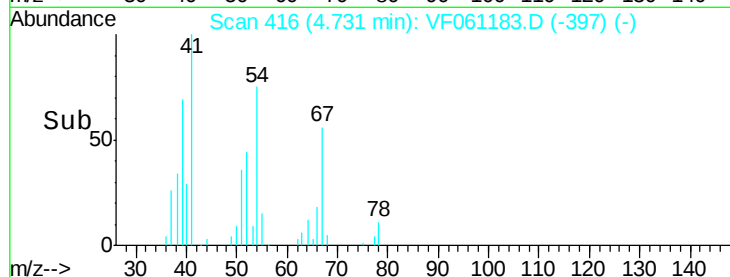
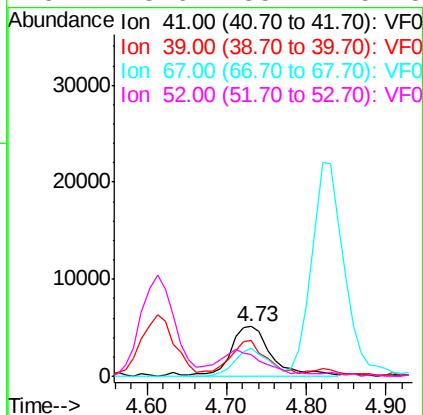
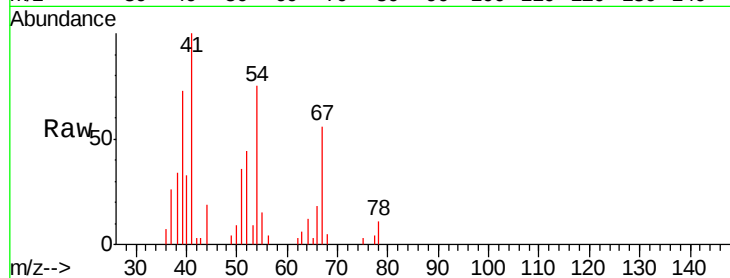




#41
Methacrylonitrile
Concen: 20.776 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

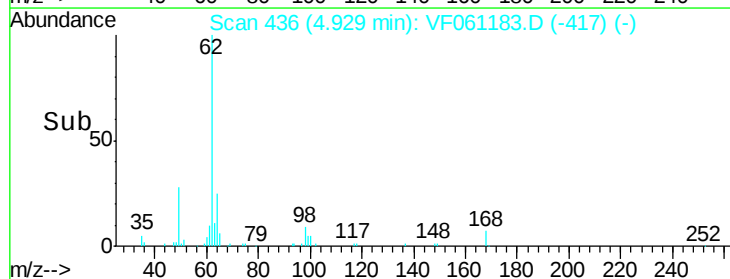
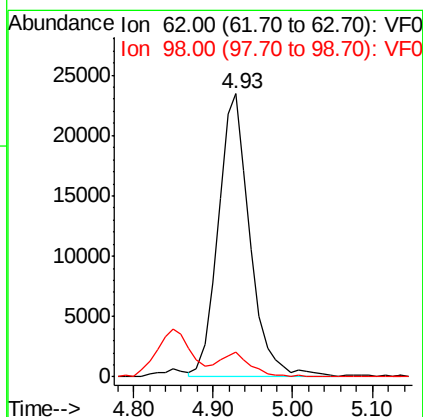
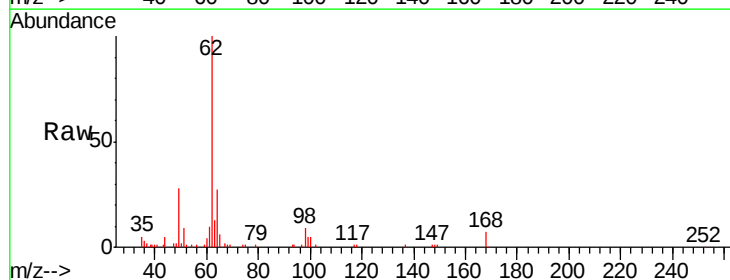
Instrument :
MSVOA_F
ClientSampleId :
VF1226SBSD01

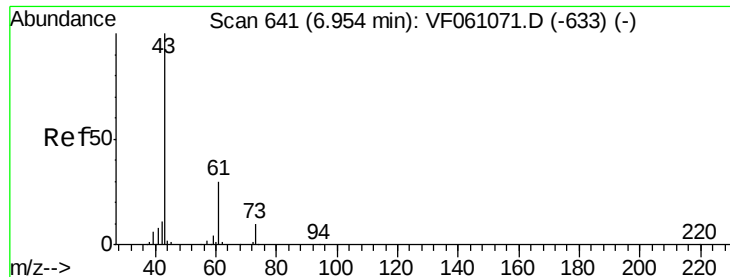
Tgt Ion: 41 Resp: 18217
Ion Ratio Lower Upper
41 100
39 73.3 45.7 68.5#
67 56.0 38.9 58.3
52 43.6 35.2 52.8



#42
1,2-Dichloroethane
Concen: 19.323 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion: 62 Resp: 65539
Ion Ratio Lower Upper
62 100
98 8.8 0.0 16.6





#43

Isopropyl Acetate

Concen: 22.569 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

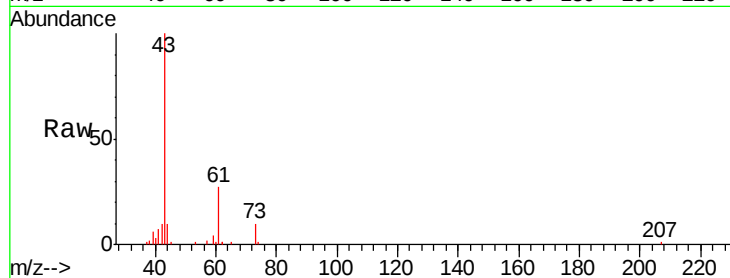
Tgt Ion: 43 Resp: 45245

Ion Ratio Lower Upper

43 100

61 26.8 23.8 35.8

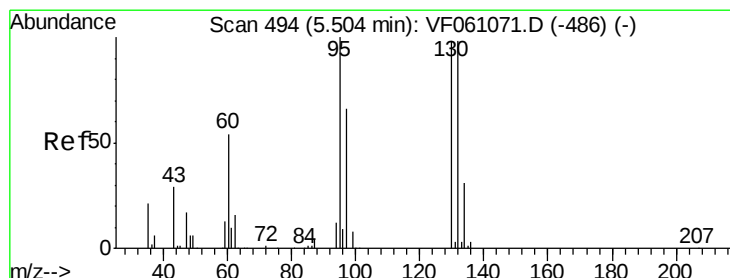
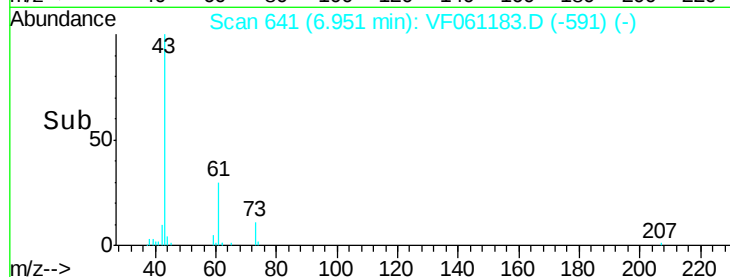
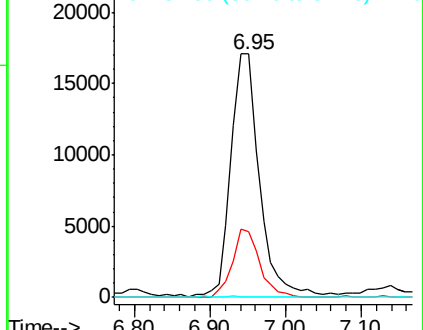
87 0.0 0.0 0.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 20.732 ug/l

RT: 5.48 min Scan# 492

Delta R.T. -0.02 min

Lab File: VF061183.D

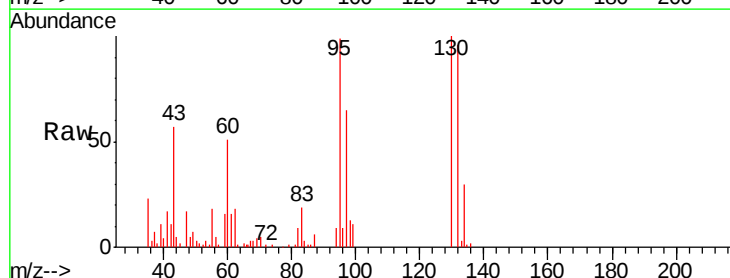
Acq: 26 Dec 2018 12:44

Tgt Ion: 130 Resp: 58360

Ion Ratio Lower Upper

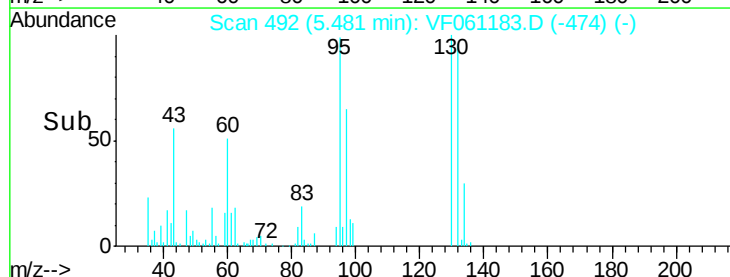
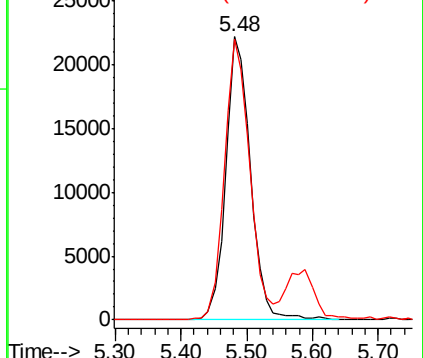
130 100

95 99.1 0.0 205.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

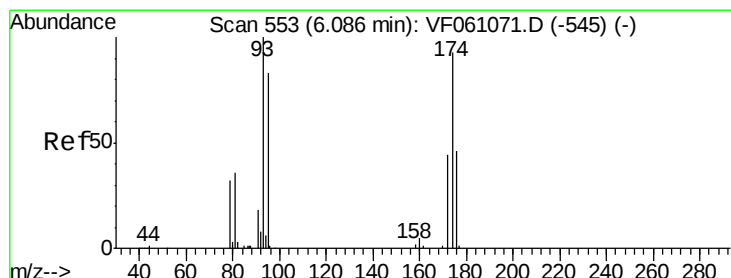
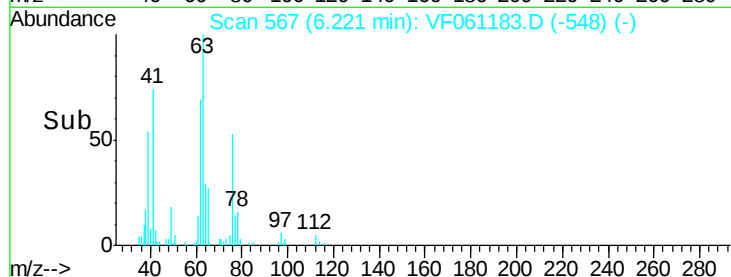
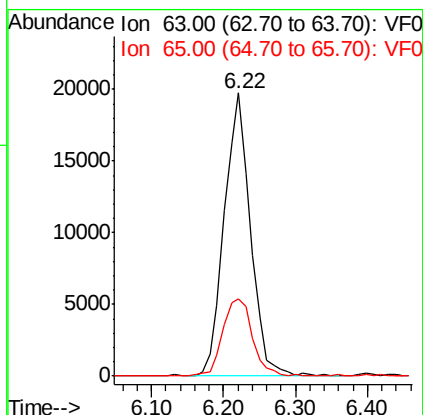
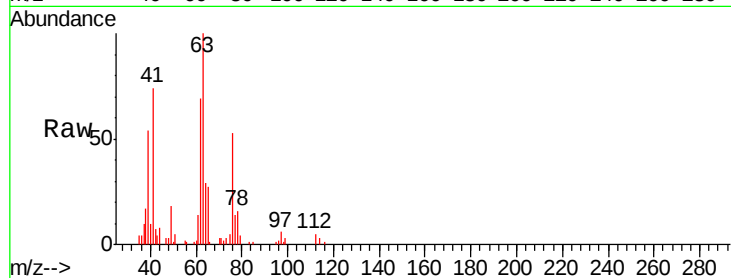




#45
1,2-Dichloropropane
Concen: 20.531 ug/l
RT: 6.22 min Scan# 567
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

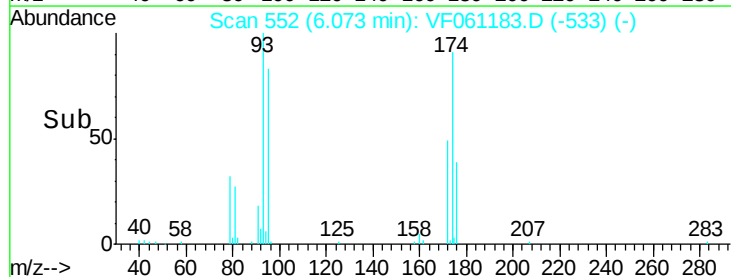
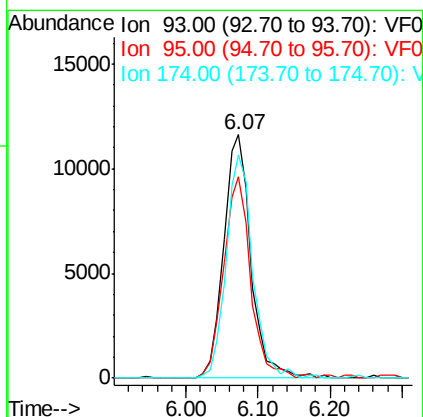
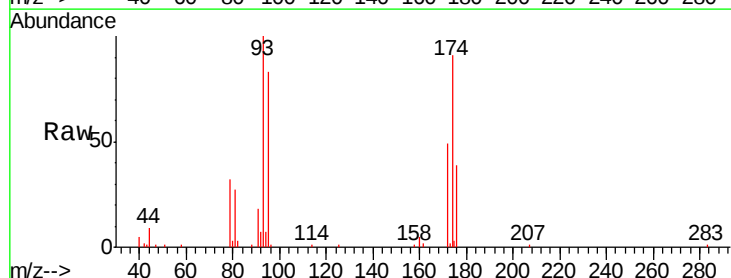
Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

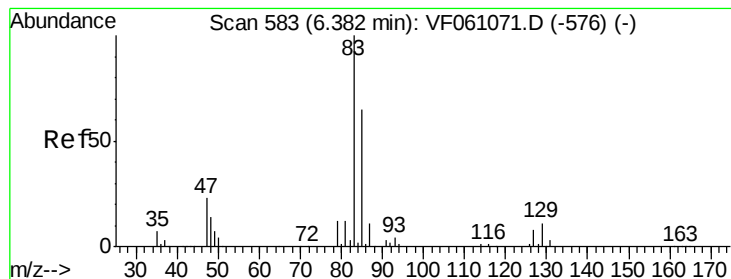
Tgt Ion: 63 Resp: 49872
Ion Ratio Lower Upper
63 100
65 27.2 24.4 36.6



#46
Dibromomethane
Concen: 19.351 ug/l
RT: 6.07 min Scan# 552
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion: 93 Resp: 30488
Ion Ratio Lower Upper
93 100
95 83.0 66.9 100.3
174 91.5 74.1 111.1





#47

Bromodichloromethane

Concen: 19.370 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

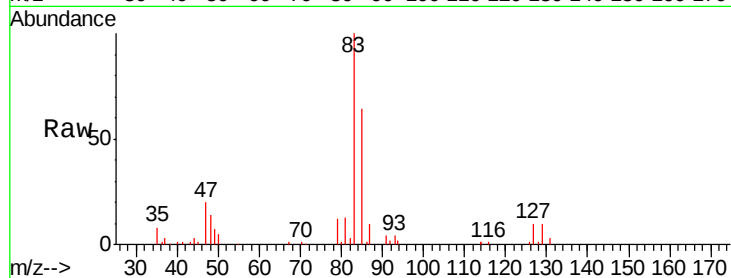
Tgt Ion: 83 Resp: 79292

Ion Ratio Lower Upper

83 100

85 64.4 52.2 78.4

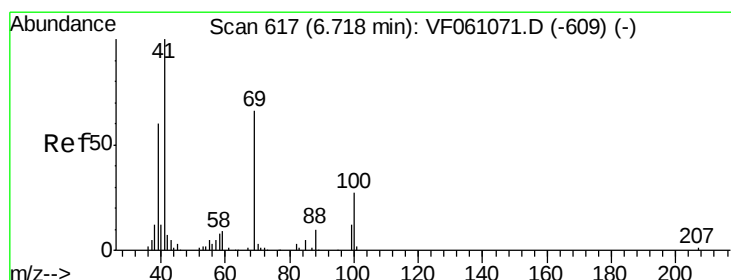
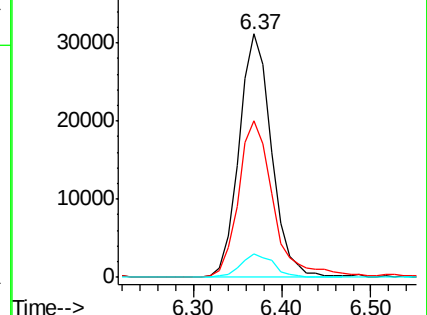
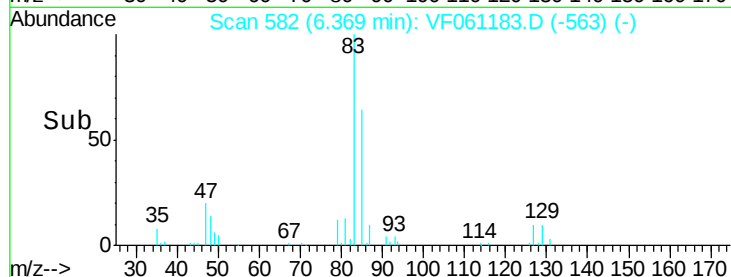
127 9.6 6.1 9.1#



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: 19.166 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

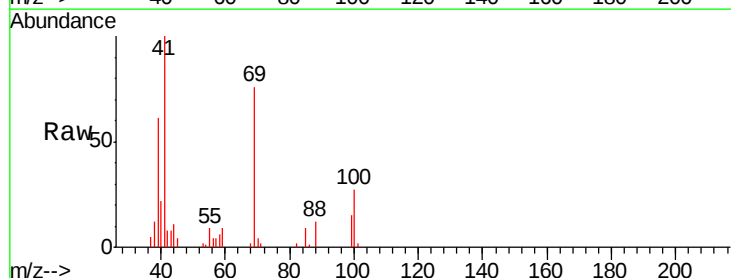
Tgt Ion: 41 Resp: 26823

Ion Ratio Lower Upper

41 100

69 75.6 52.7 79.1

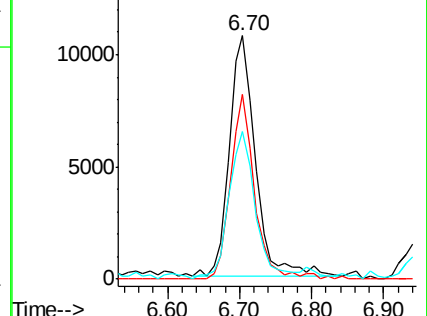
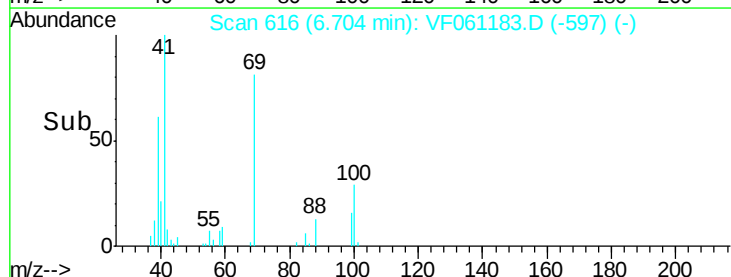
39 60.6 47.8 71.6



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: 349.589 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.00 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBSD01

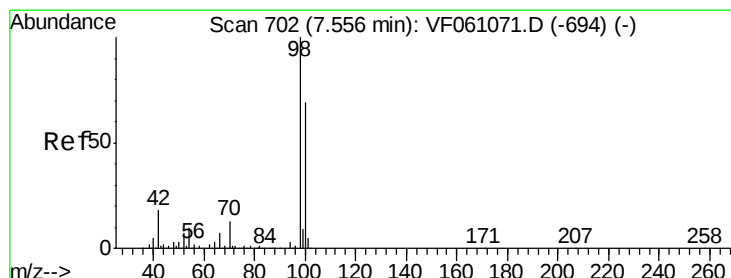
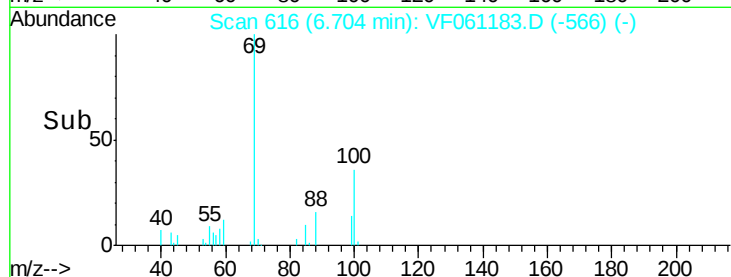
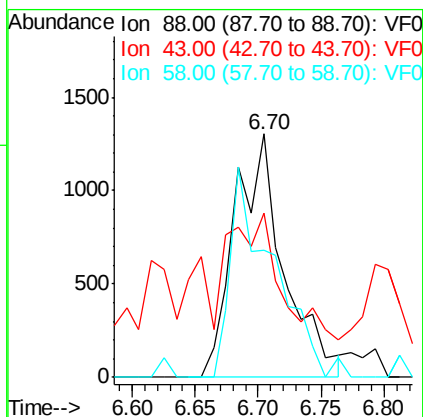
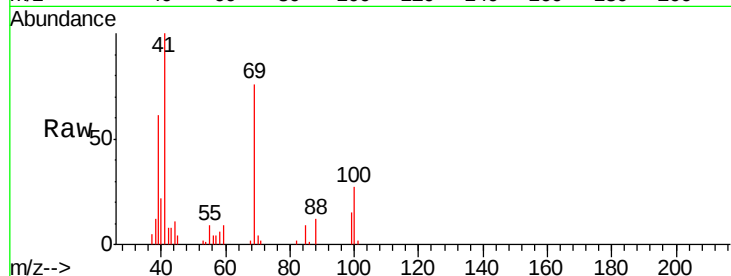
Tgt Ion: 88 Resp: 3550

Ion Ratio Lower Upper

88 100

43 67.7 33.3 49.9#

58 52.3 53.2 79.8#



#50

Toluene-d8

Concen: 47.159 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF061183.D

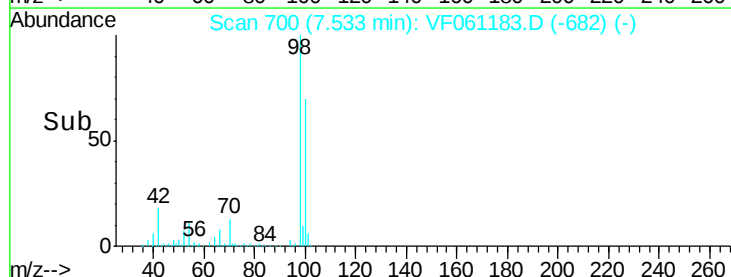
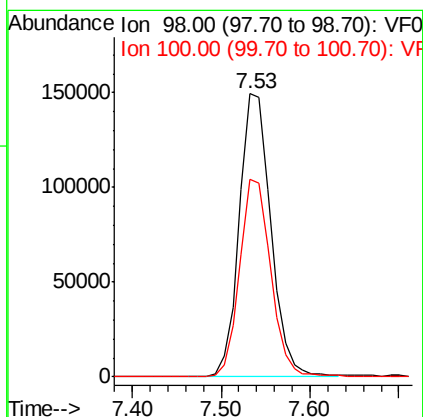
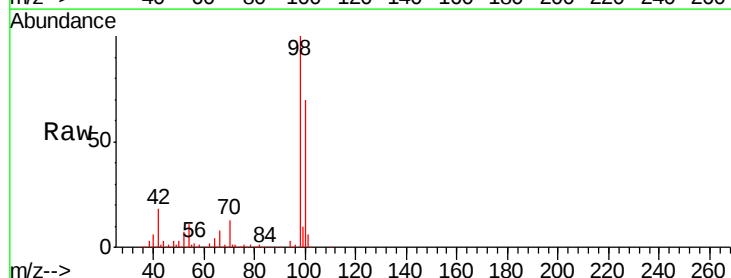
Acq: 26 Dec 2018 12:44

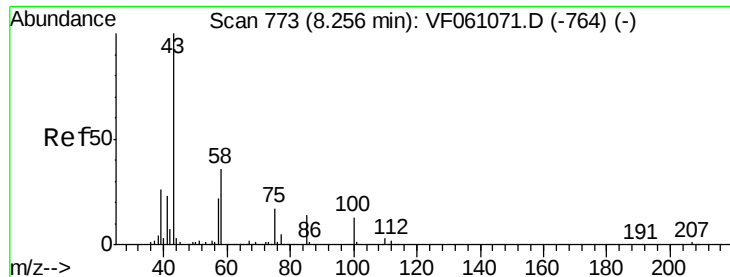
Tgt Ion: 98 Resp: 368230

Ion Ratio Lower Upper

98 100

100 69.7 55.3 82.9





#51

4-Methyl-2-Pentanone

Concen: 105.036 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

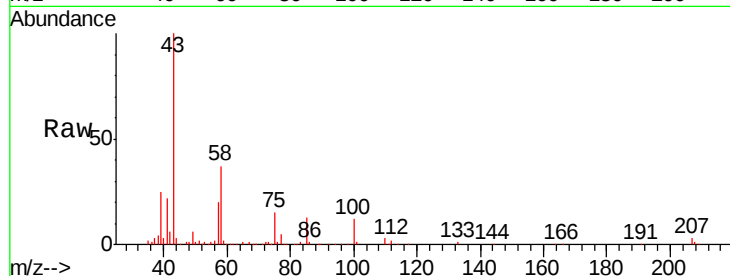
VF1226SBS01

Tgt Ion: 43 Resp: 144411

Ion Ratio Lower Upper

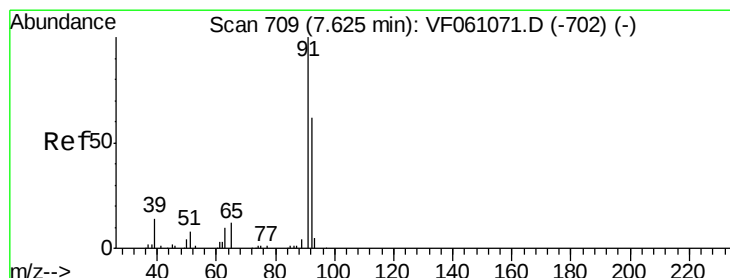
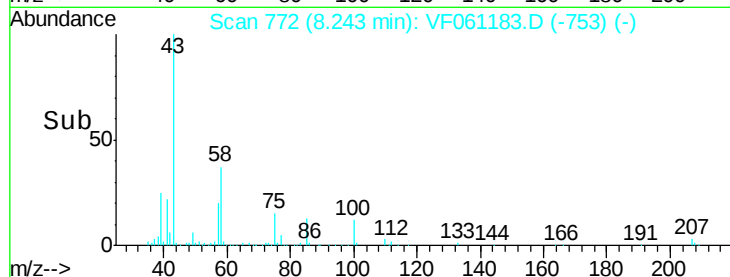
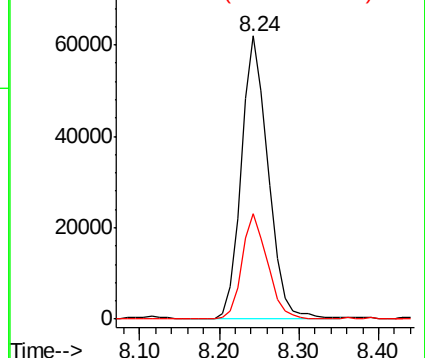
43 100

58 37.4 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.046 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF061183.D

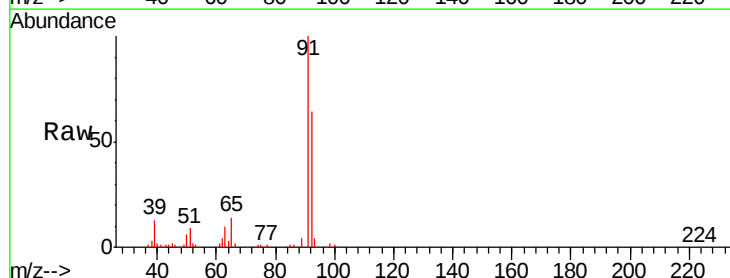
Acq: 26 Dec 2018 12:44

Tgt Ion: 92 Resp: 118479

Ion Ratio Lower Upper

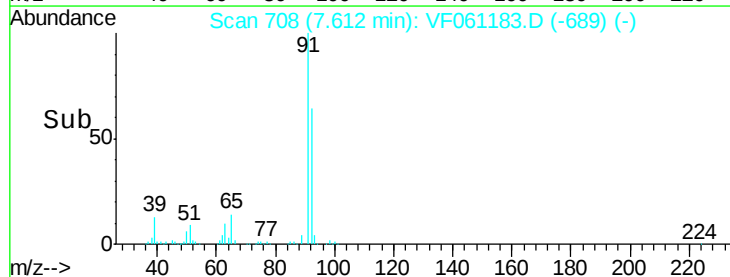
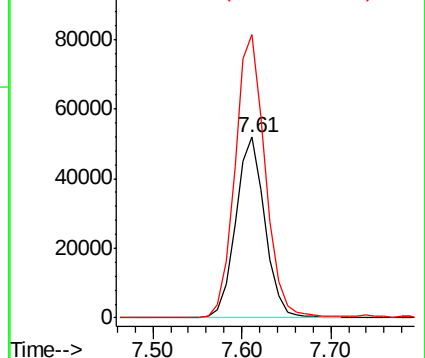
92 100

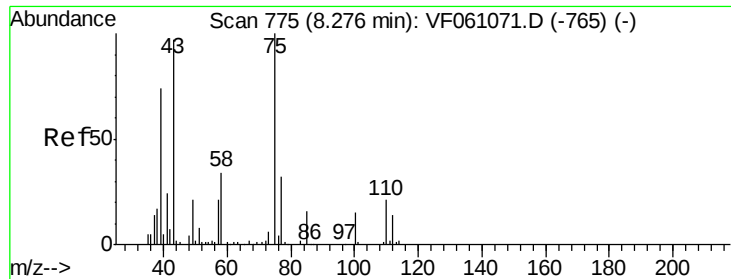
91 156.5 128.8 193.2



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: 19.666 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

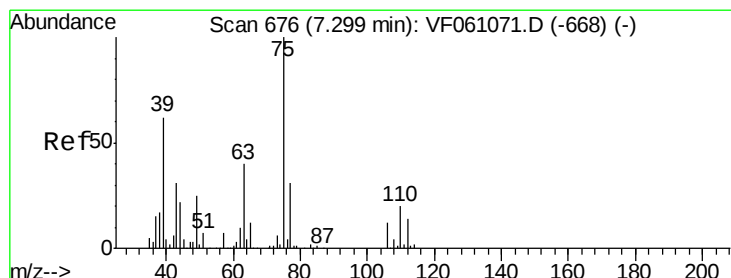
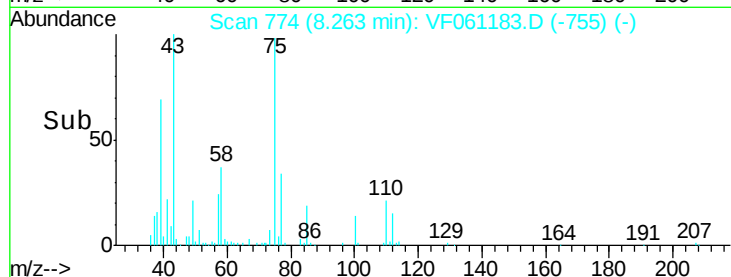
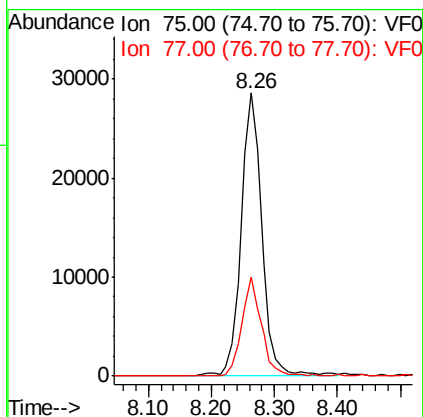
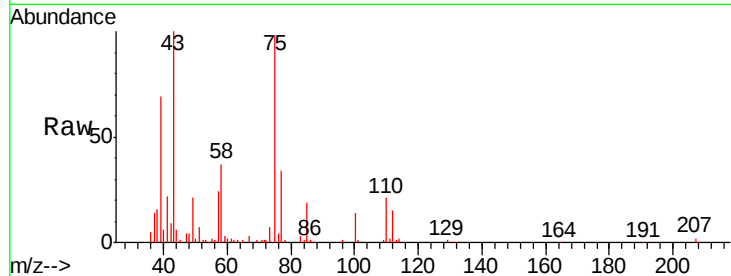
VF1226SBSD01

Tgt Ion: 75 Resp: 64944

Ion Ratio Lower Upper

75 100

77 35.2 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 19.783 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

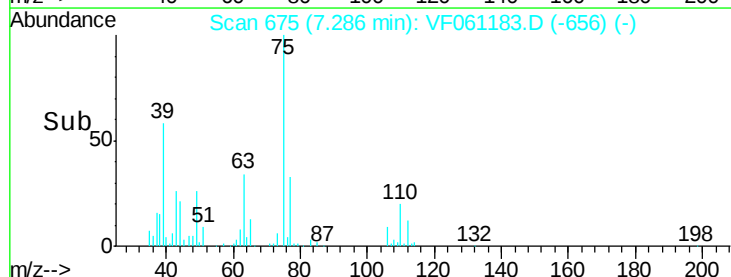
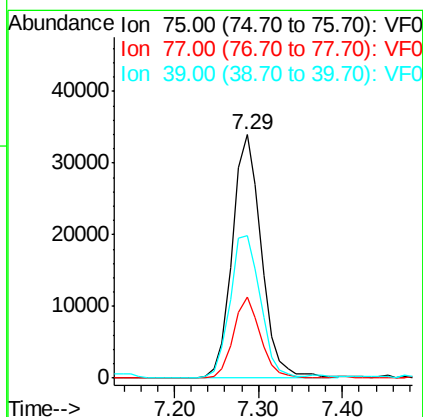
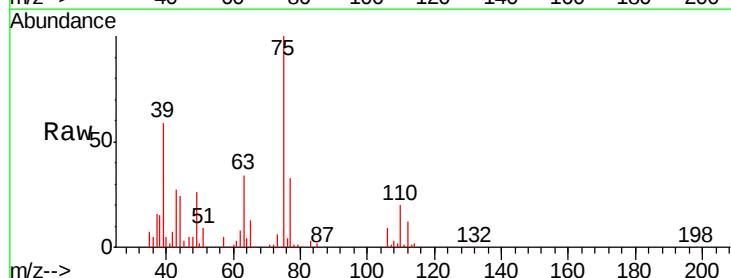
Tgt Ion: 75 Resp: 81996

Ion Ratio Lower Upper

75 100

77 33.2 25.0 37.4

39 58.8 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 19.451 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tgt Ion: 97 Resp: 34463

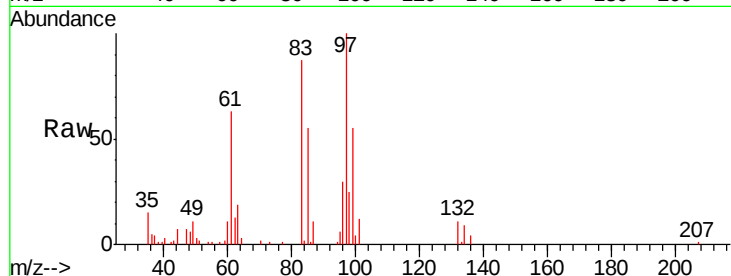
Ion Ratio Lower Upper

97 100

83 87.0 75.0 112.4

85 54.9 47.5 71.3

99 54.7 51.9 77.9

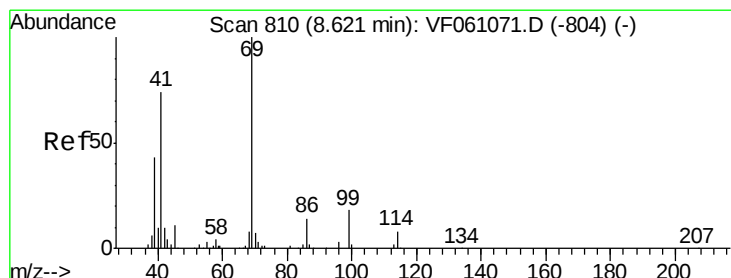
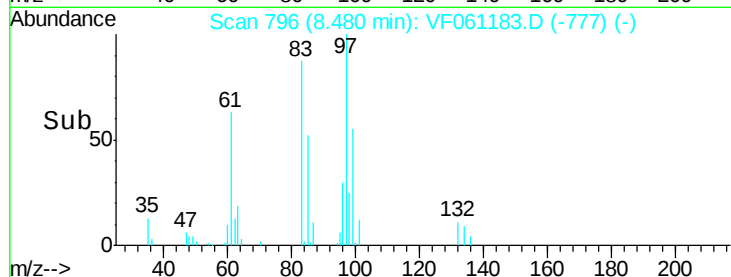
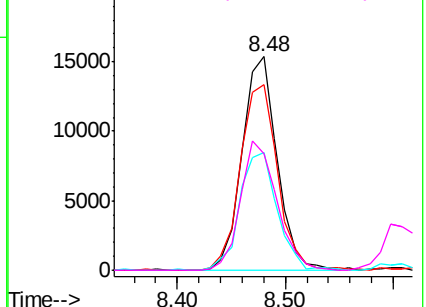


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.373 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

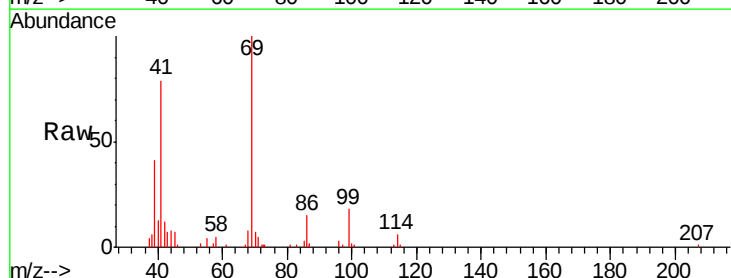
Tgt Ion: 69 Resp: 37143

Ion Ratio Lower Upper

69 100

41 79.5 59.7 89.5

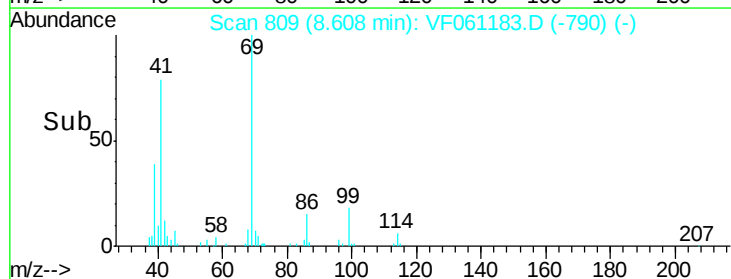
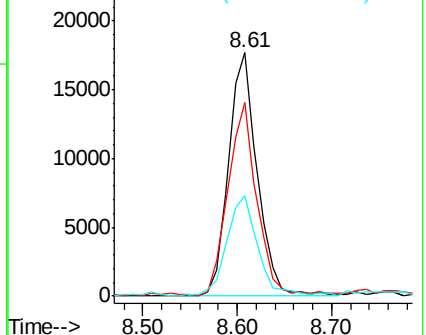
39 41.1 35.0 52.6

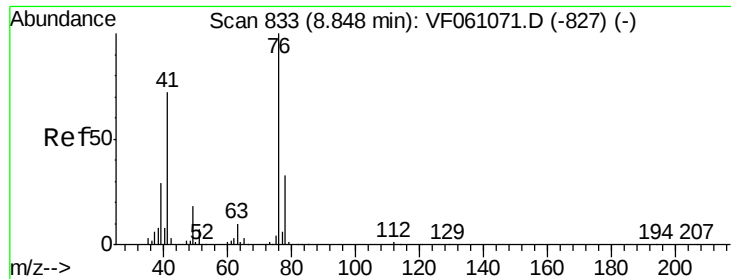


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.178 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

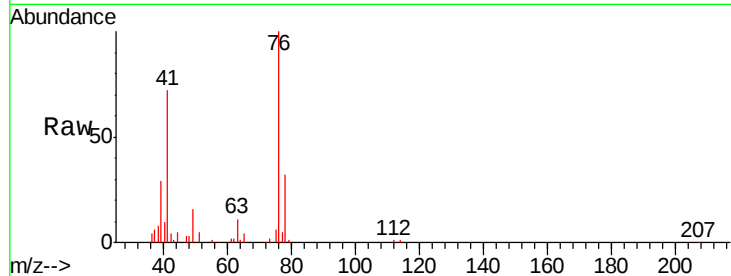
VF1226SBSD01

Tgt Ion: 76 Resp: 64661

Ion Ratio Lower Upper

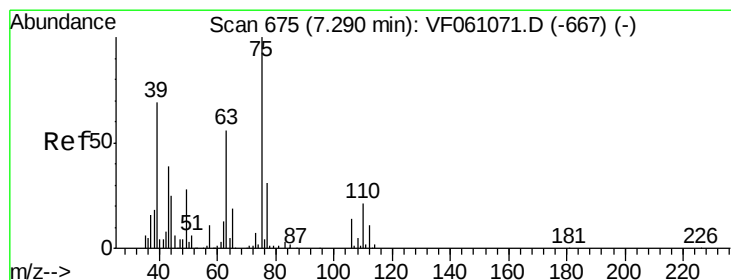
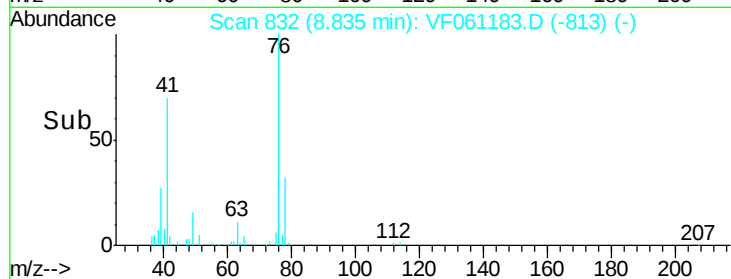
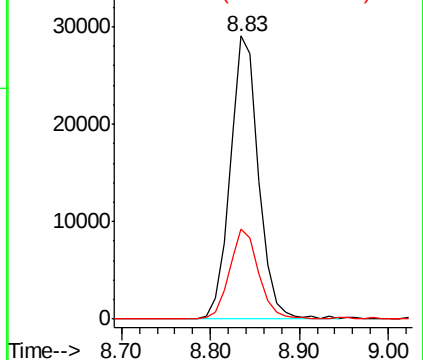
76 100

78 31.7 26.5 39.7



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 83.823 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061183.D

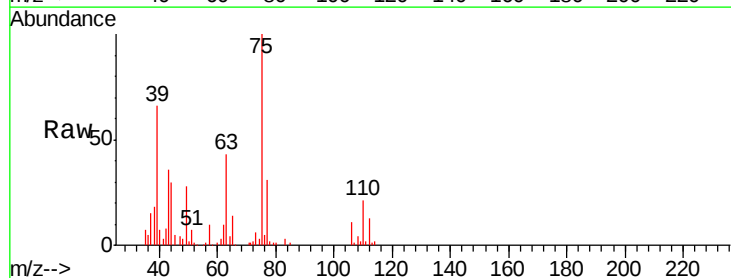
Acq: 26 Dec 2018 12:44

Tgt Ion: 63 Resp: 30865

Ion Ratio Lower Upper

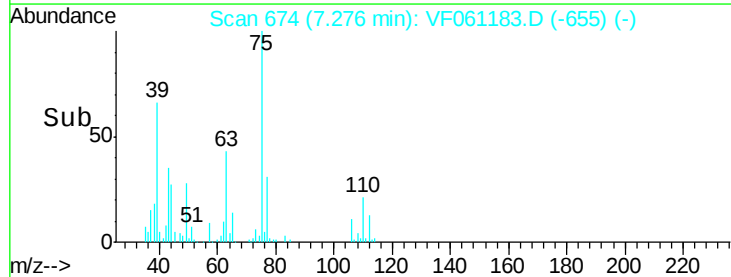
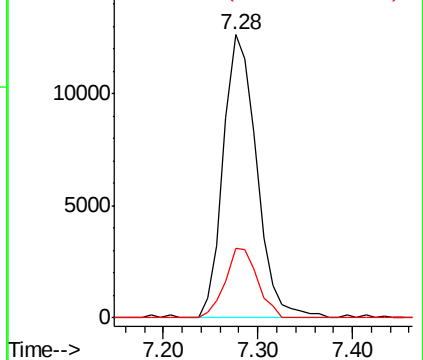
63 100

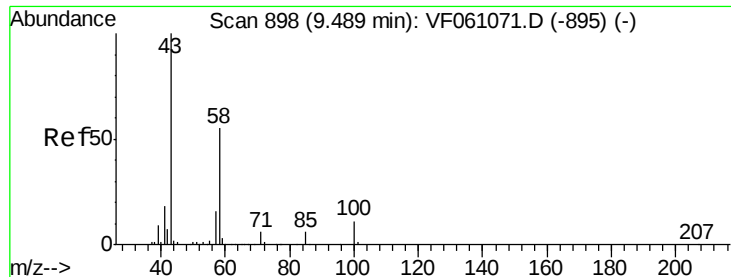
106 24.8 19.8 29.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

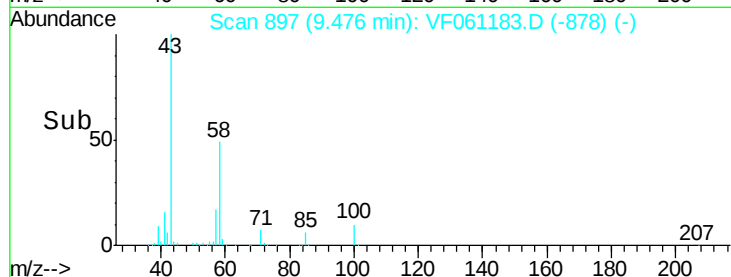
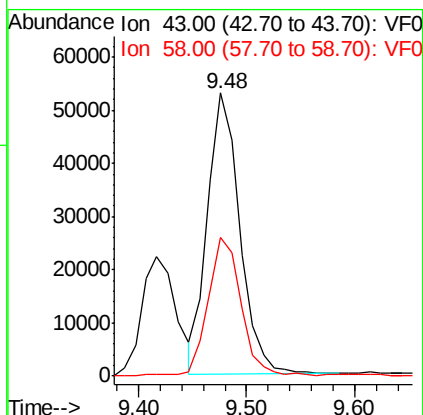
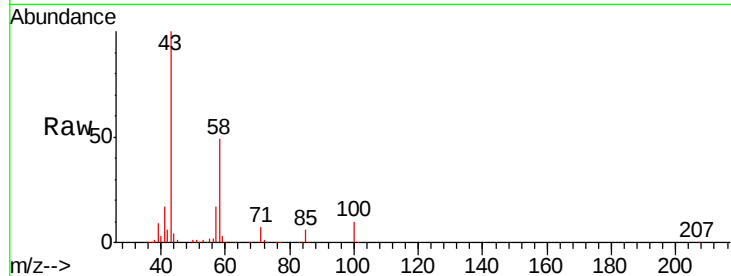




#59
2-Hexanone
Concen: 110.695 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

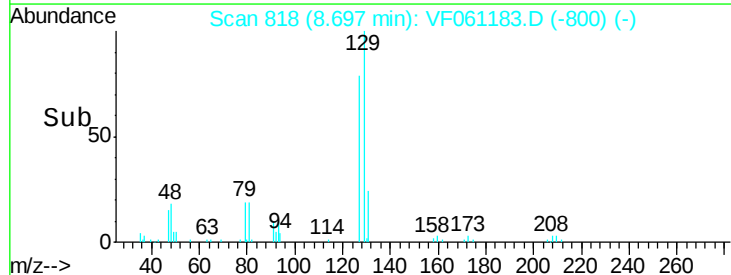
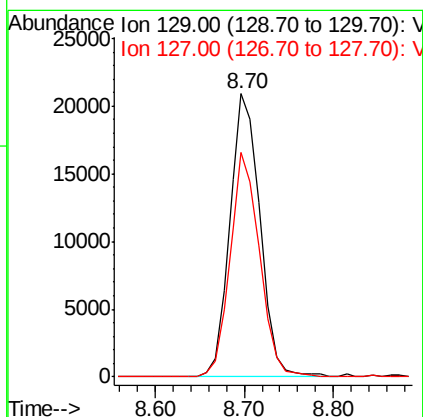
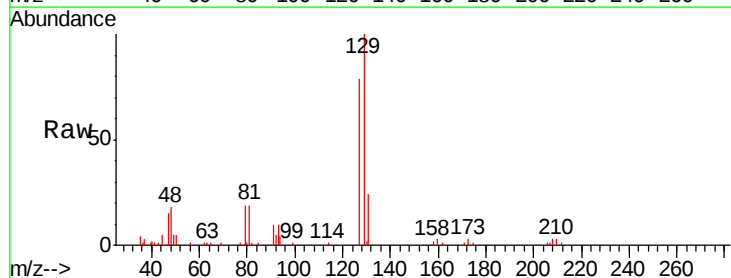
Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

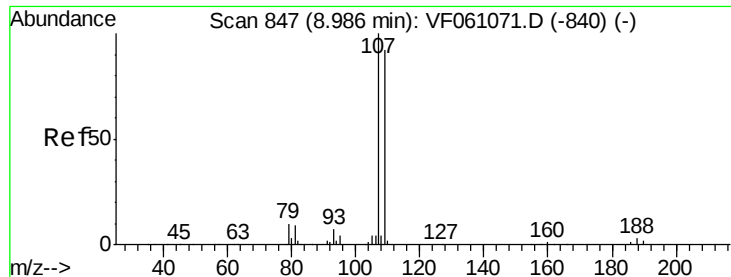
Tgt Ion: 43 Resp: 110062
Ion Ratio Lower Upper
43 100
58 49.2 25.1 75.2



#60
Dibromochloromethane
Concen: 19.492 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion: 129 Resp: 49507
Ion Ratio Lower Upper
129 100
127 79.3 36.8 110.3





#61

1,2-Dibromoethane

Concen: 19.813 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

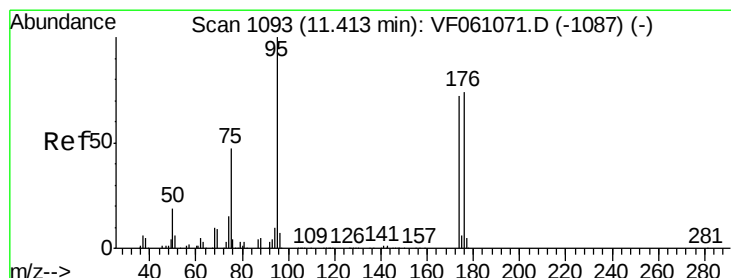
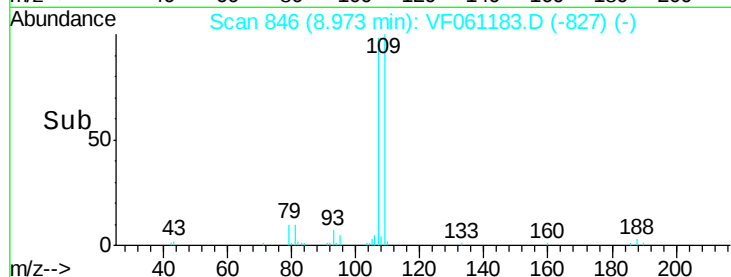
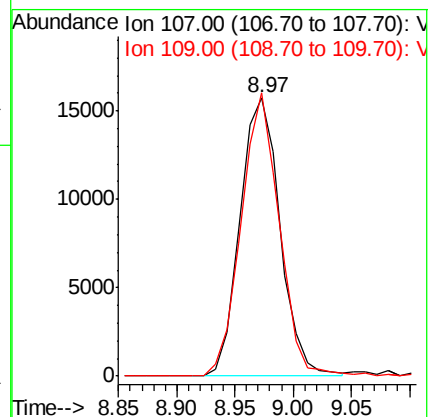
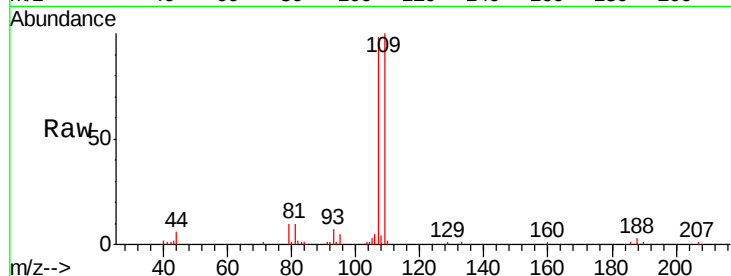
VF1226SBS01

Tgt Ion: 107 Resp: 37492

Ion Ratio Lower Upper

107 100

109 101.7 73.7 110.5



#62

4-Bromofluorobenzene

Concen: 49.832 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

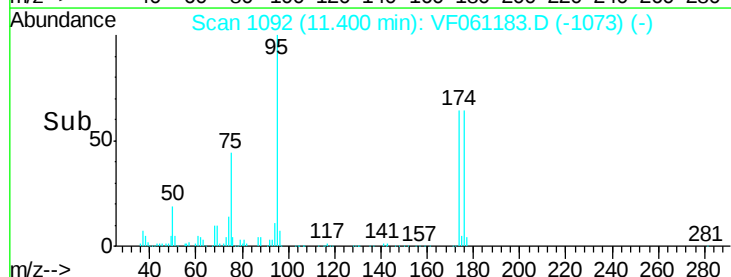
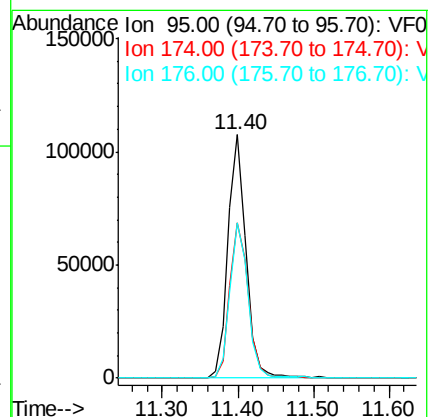
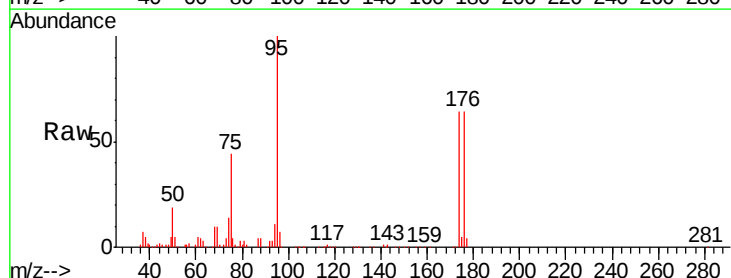
Tgt Ion: 95 Resp: 179380

Ion Ratio Lower Upper

95 100

174 63.7 0.0 143.8

176 63.9 0.0 147.6

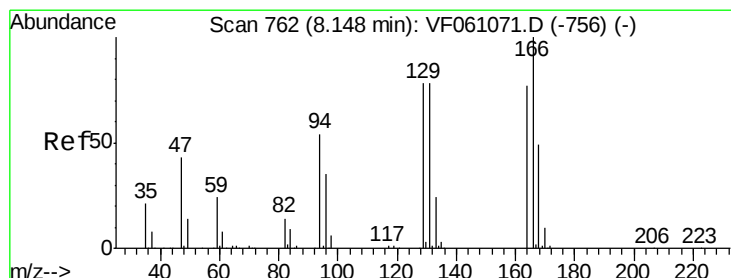
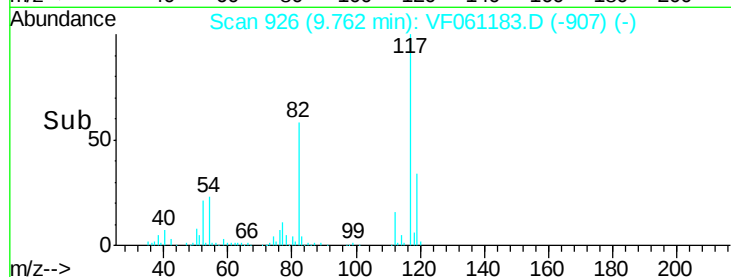
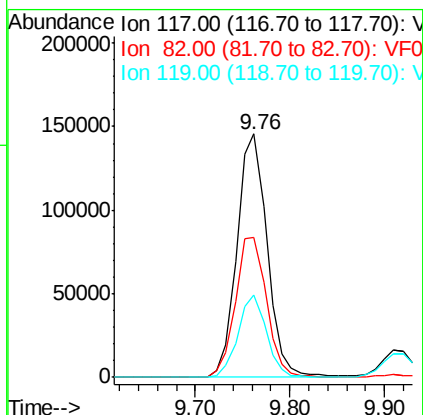
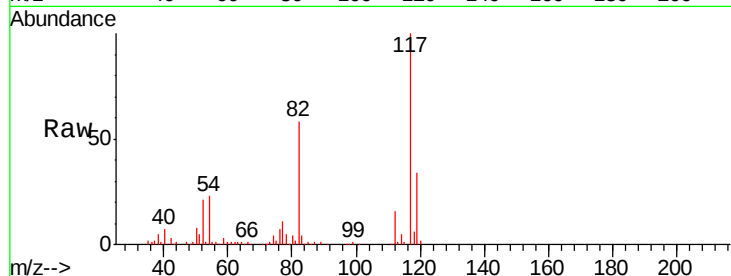




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

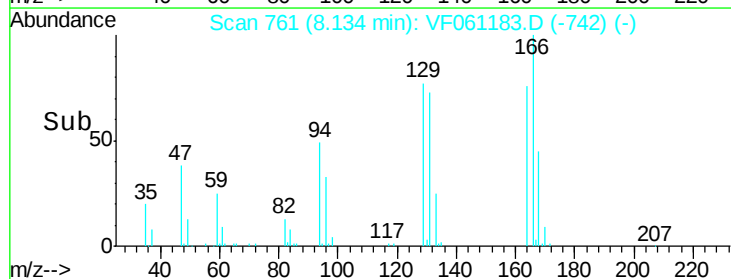
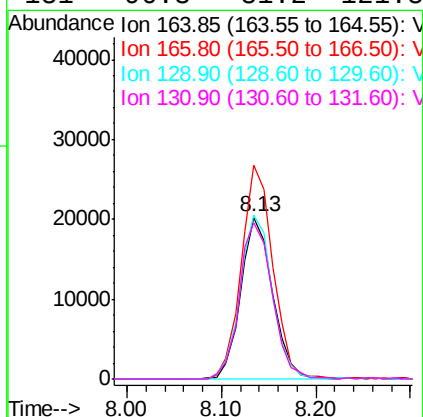
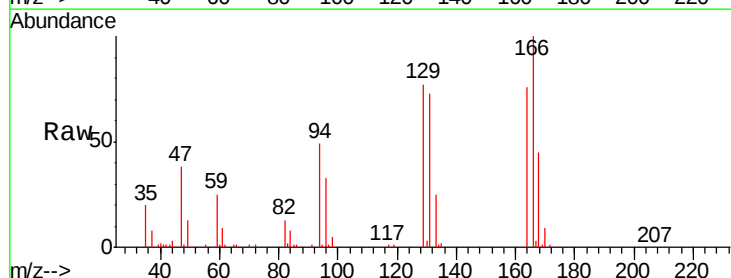
Instrument :
MSVOA_F
ClientSampleId :
VF1226SBSD01

Tgt Ion:117 Resp: 321763
Ion Ratio Lower Upper
117 100
82 57.5 45.0 67.4
119 33.7 24.8 37.2



#64
Tetrachloroethene
Concen: 19.031 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion:164 Resp: 47104
Ion Ratio Lower Upper
164 100
166 132.1 104.0 156.0
129 101.2 81.1 121.7
131 96.3 81.2 121.8

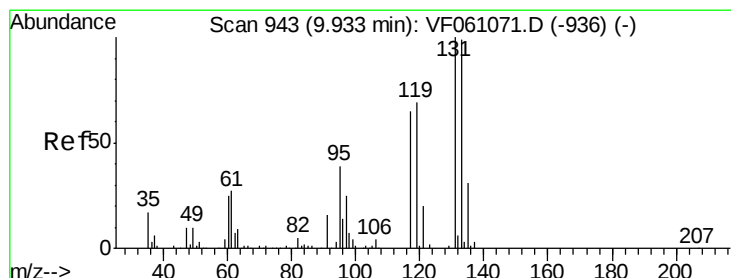
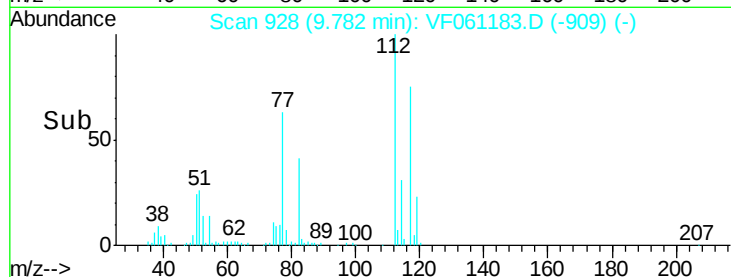
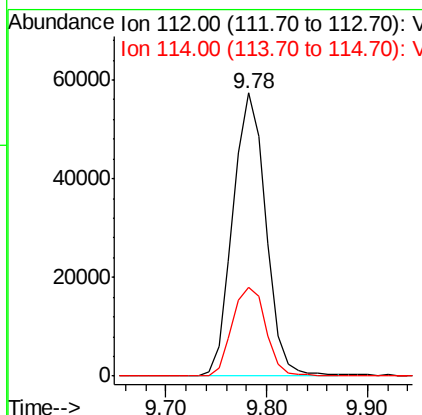
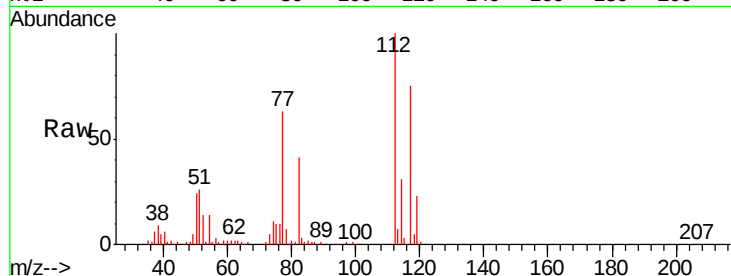




#65
Chlorobenzene
Concen: 19.797 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

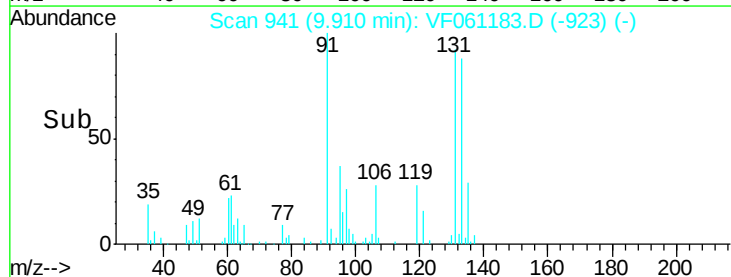
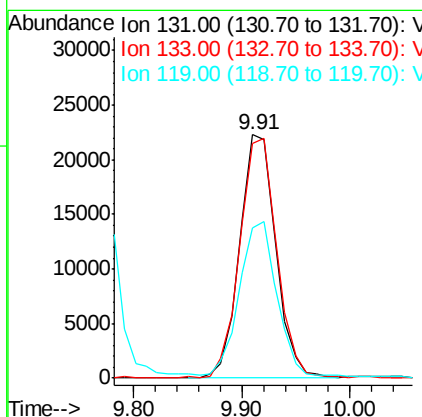
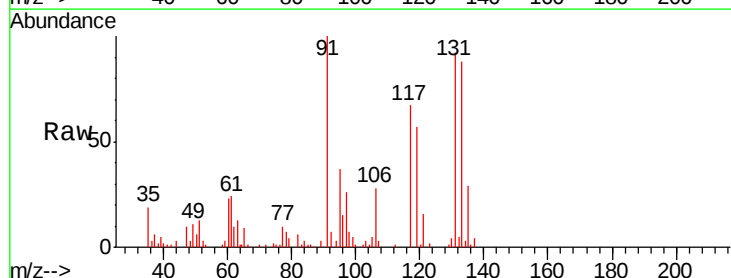
Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

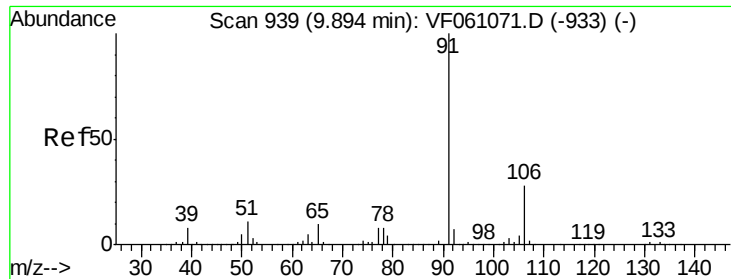
Tgt Ion:112 Resp: 131591
Ion Ratio Lower Upper
112 100
114 31.4 27.8 41.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.049 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion:131 Resp: 51744
Ion Ratio Lower Upper
131 100
133 96.4 49.5 148.7
119 61.9 34.5 103.5

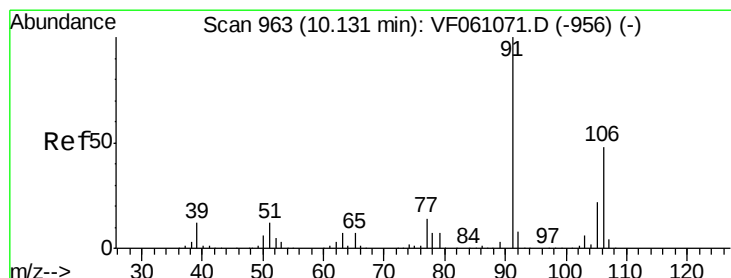
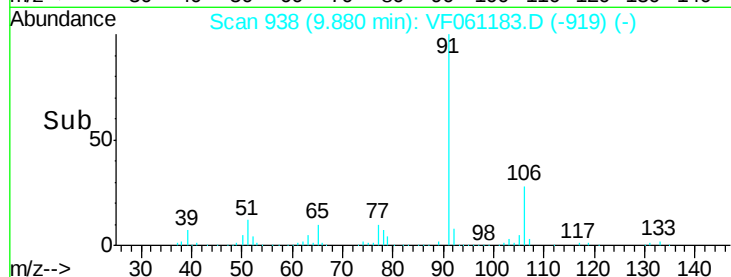
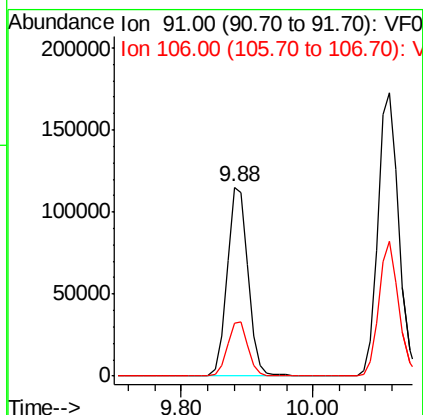
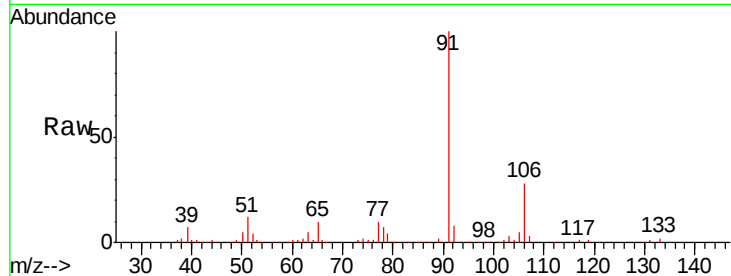




#67
Ethyl Benzene
Concen: 21.238 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

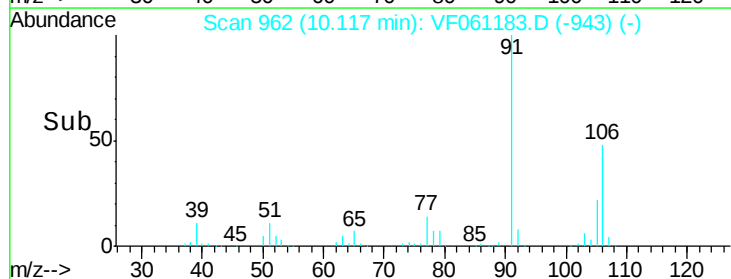
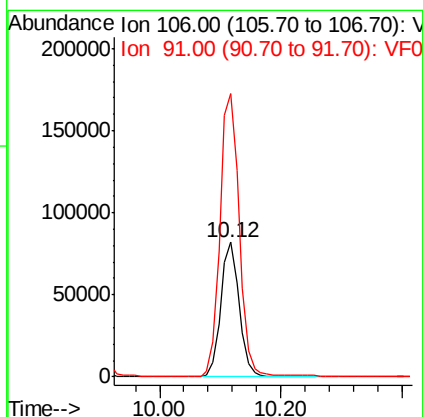
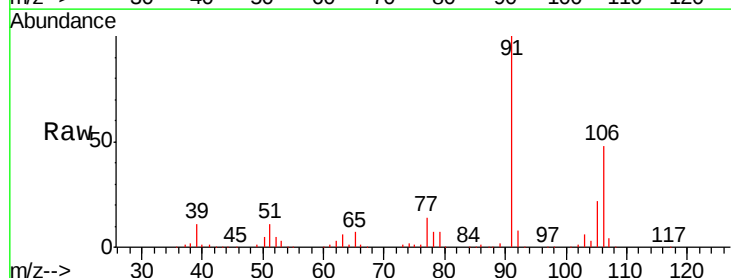
Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

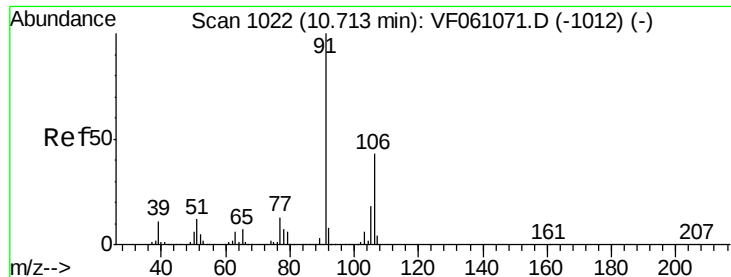
Tgt Ion: 91 Resp: 257190
Ion Ratio Lower Upper
91 100
106 28.1 22.5 33.7



#68
m/p-Xylenes
Concen: 40.997 ug/l
RT: 10.12 min Scan# 962
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion: 106 Resp: 174721
Ion Ratio Lower Upper
106 100
91 210.1 168.2 252.2

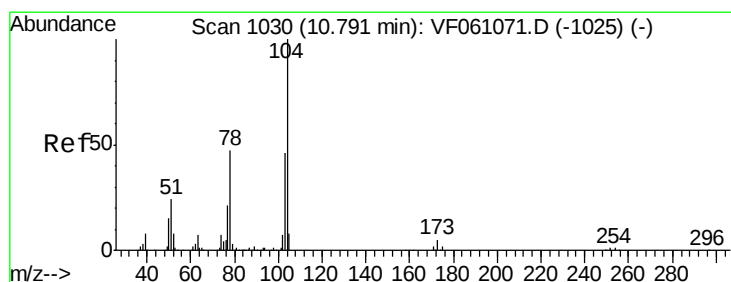
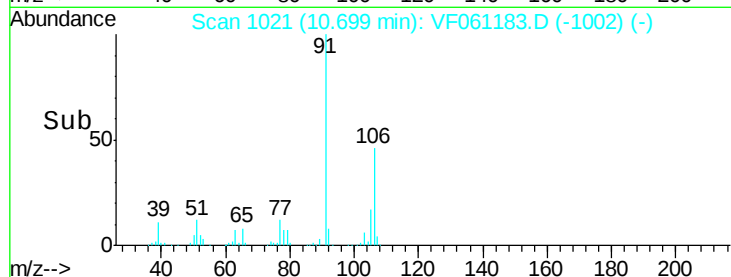
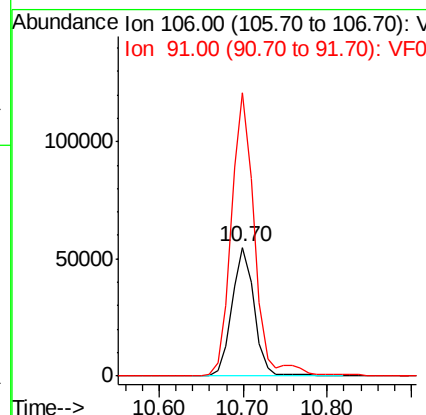
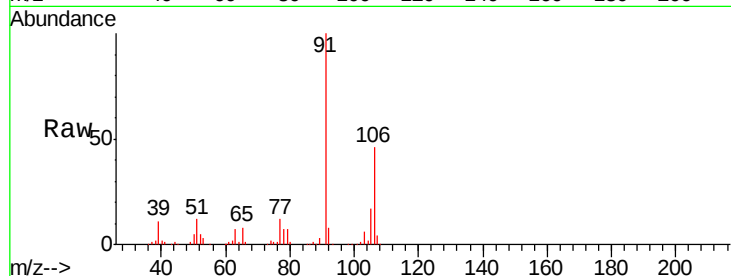




#69
o-Xylene
Concen: 21.354 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

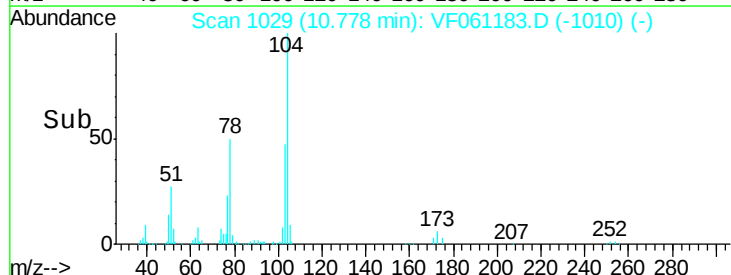
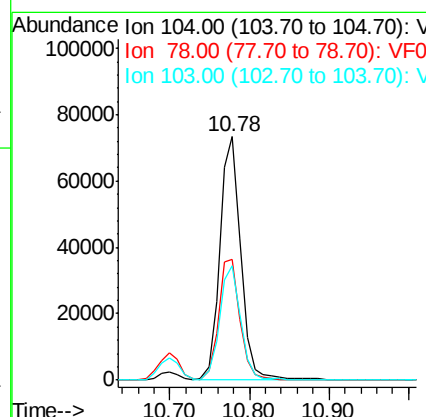
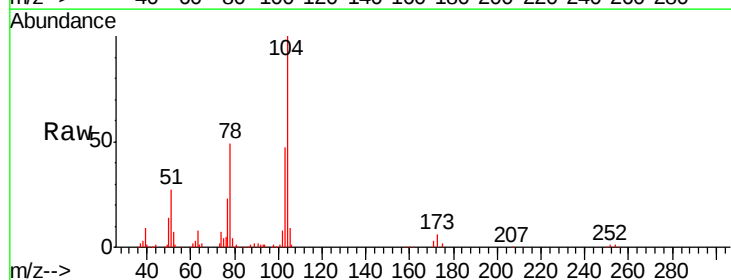
Instrument :
MSVOA_F
ClientSampleId :
VF1226SBSD01

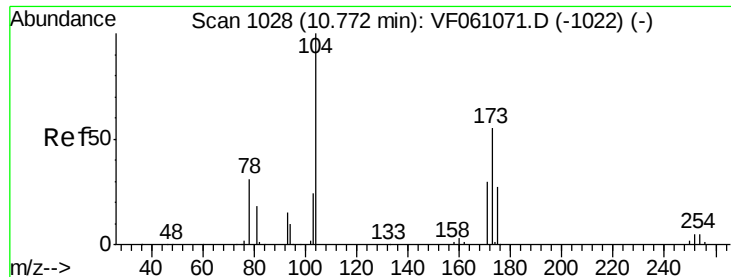
Tgt Ion:106 Resp: 100931
Ion Ratio Lower Upper
106 100
91 219.7 115.9 347.7



#70
Styrene
Concen: 20.727 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion:104 Resp: 135844
Ion Ratio Lower Upper
104 100
78 49.4 38.4 57.6
103 46.8 37.0 55.6





#71

Bromoform

Concen: 19.824 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBSD01

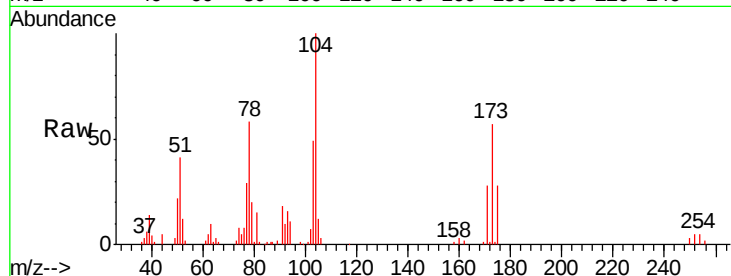
Tgt Ion:173 Resp: 24914

Ion Ratio Lower Upper

173 100

175 48.0 24.8 74.4

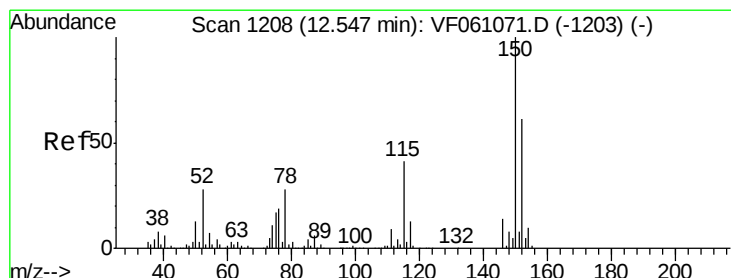
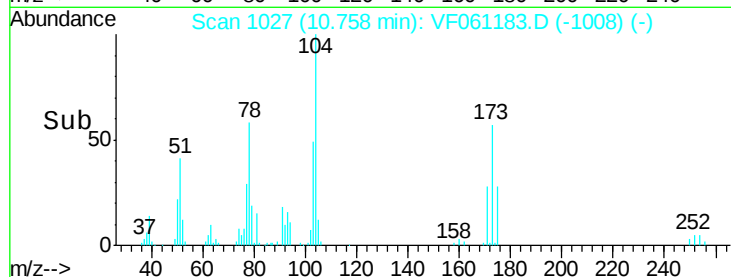
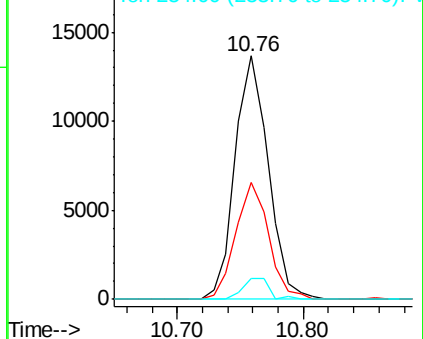
254 8.8 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

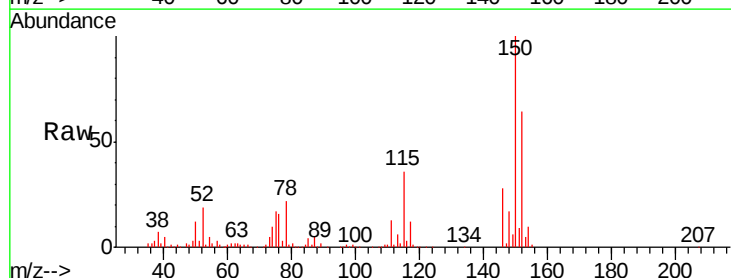
Tgt Ion:152 Resp: 163532

Ion Ratio Lower Upper

152 100

115 56.3 33.3 99.9

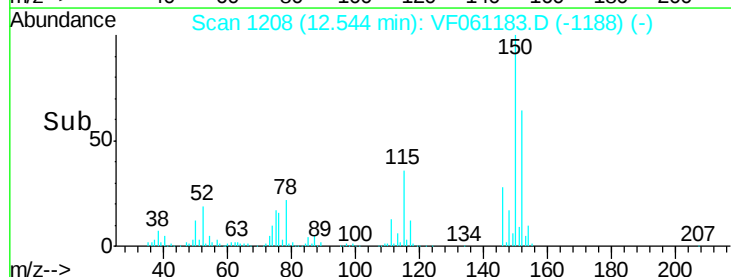
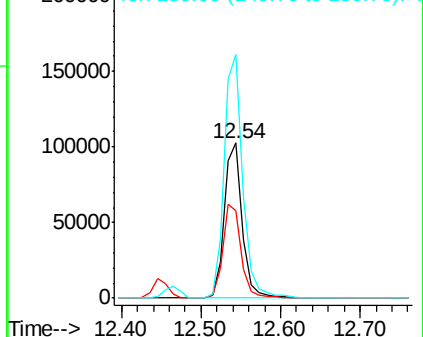
150 157.3 0.0 328.2



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: 19.846 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

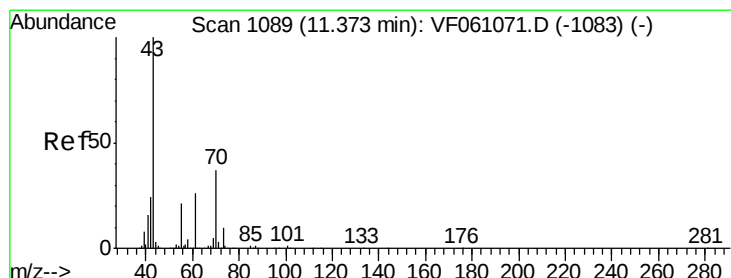
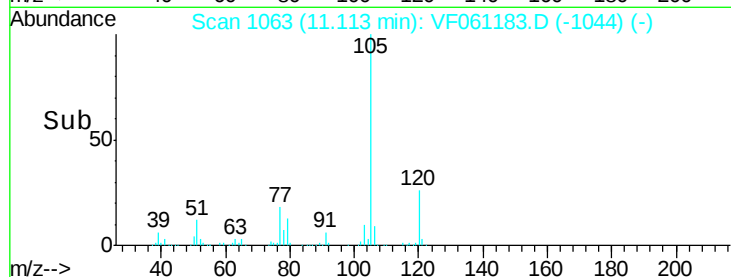
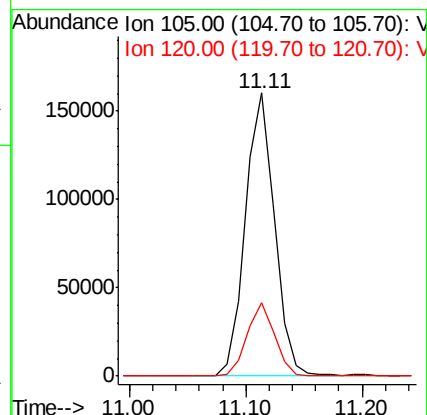
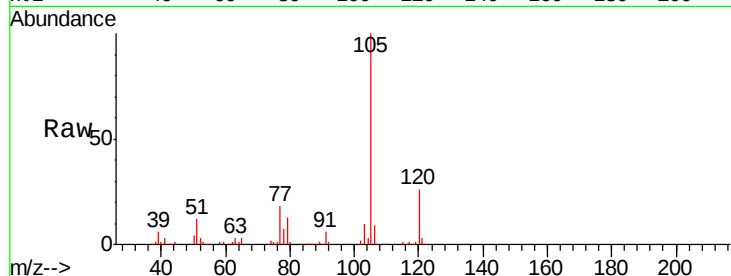
VF1226SBS01

Tgt Ion: 105 Resp: 279682

Ion Ratio Lower Upper

105 100

120 25.8 13.0 39.0



#74

N-ethyl acetate

Concen: 21.031 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Tgt Ion: 43 Resp: 65802

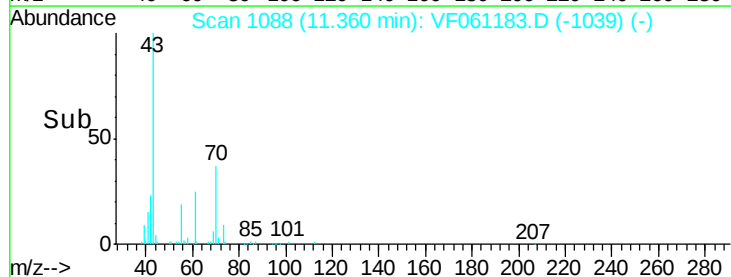
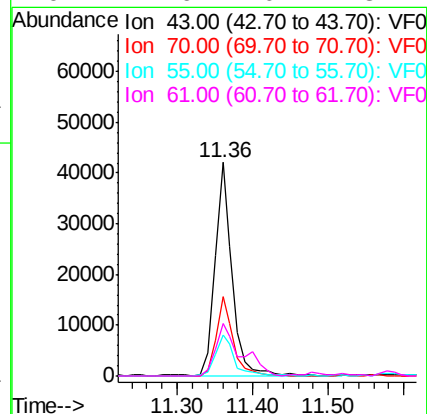
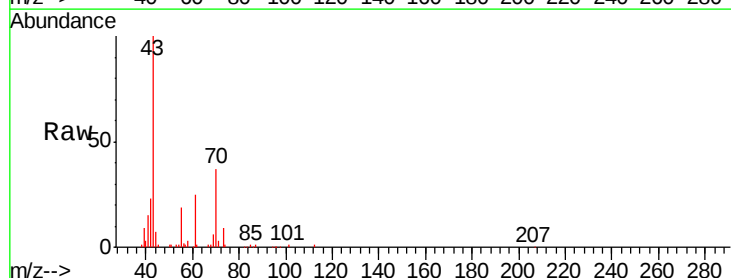
Ion Ratio Lower Upper

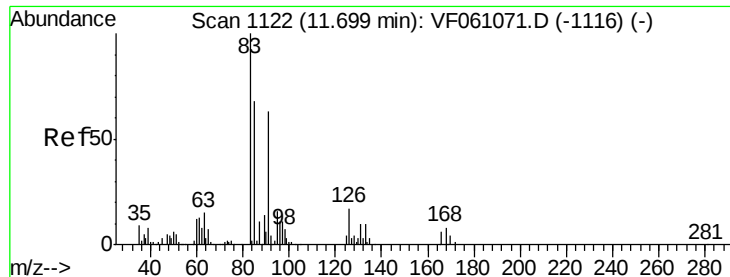
43 100

70 37.1 29.2 43.8

55 18.9 16.5 24.7

61 24.6 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.308 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

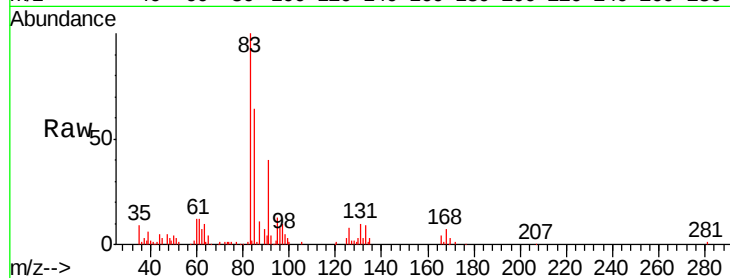
Tgt Ion: 83 Resp: 47498

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.3

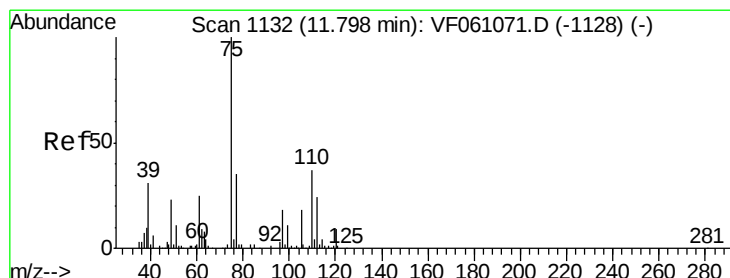
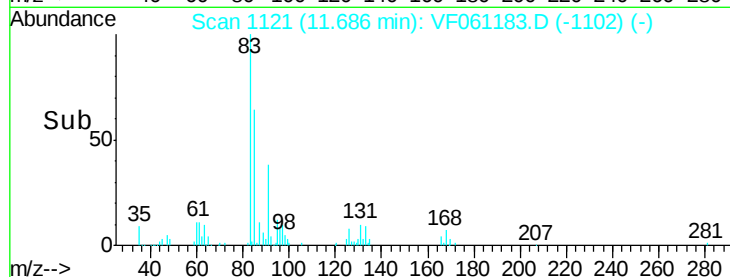
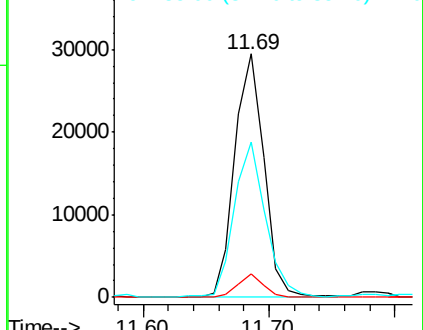
85 63.8 33.9 101.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.744 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF061183.D

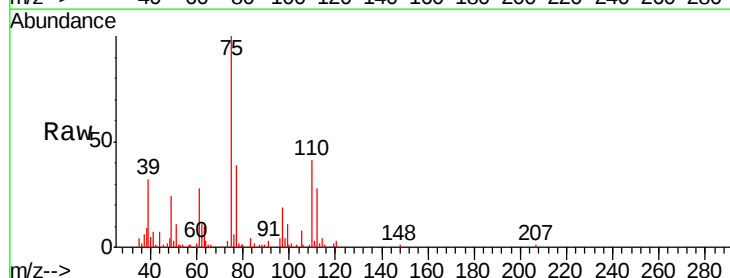
Acq: 26 Dec 2018 12:44

Tgt Ion: 75 Resp: 36107

Ion Ratio Lower Upper

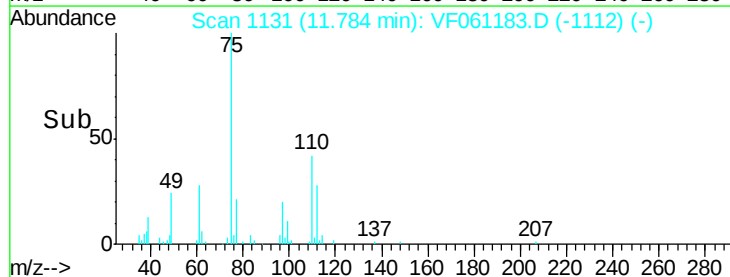
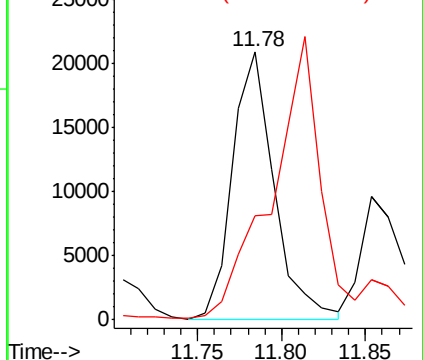
75 100

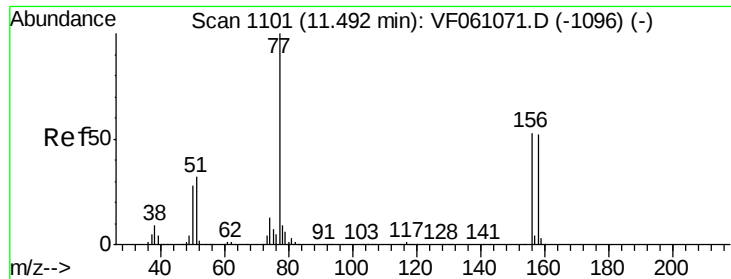
77 38.7 17.6 52.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 18.761 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

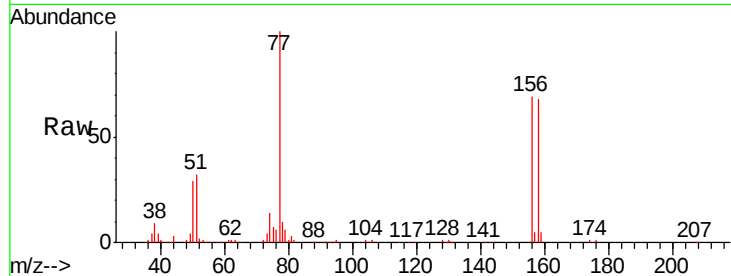
Tgt Ion:156 Resp: 56914

Ion Ratio Lower Upper

156 100

77 145.8 93.8 281.4

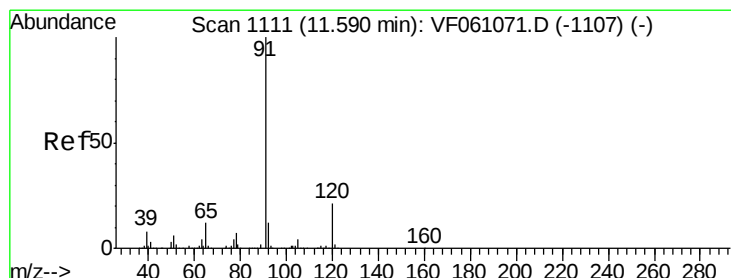
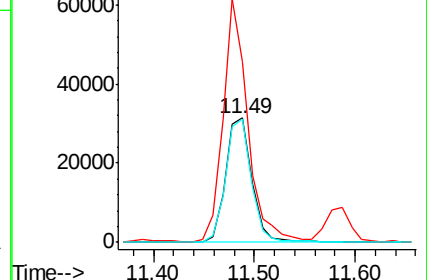
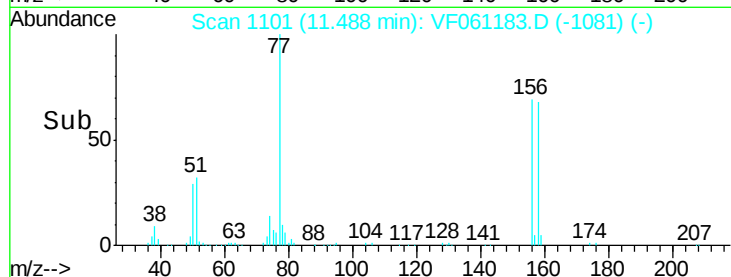
158 98.9 48.9 146.8



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: 18.563 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061183.D

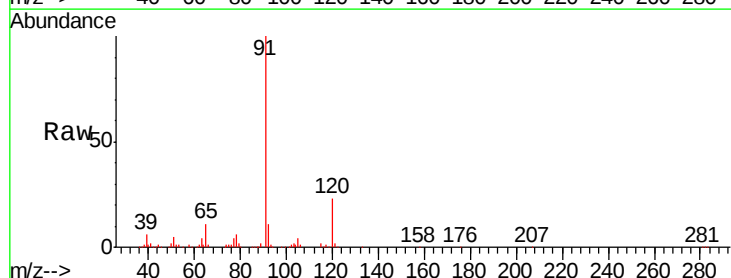
Acq: 26 Dec 2018 12:44

Tgt Ion: 91 Resp: 341687

Ion Ratio Lower Upper

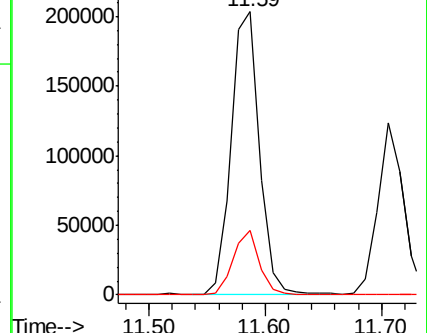
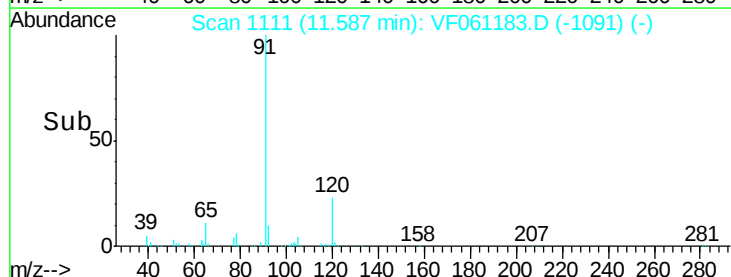
91 100

120 22.8 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.329 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

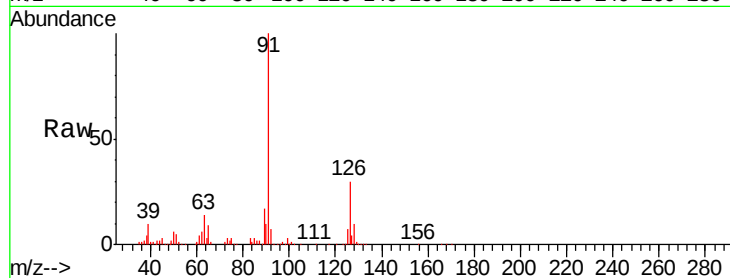
VF1226SBSD01

Tgt Ion: 91 Resp: 186862

Ion Ratio Lower Upper

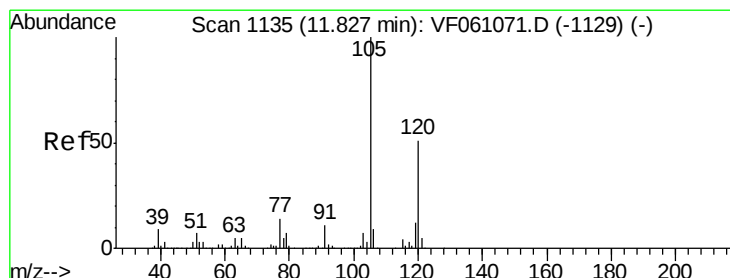
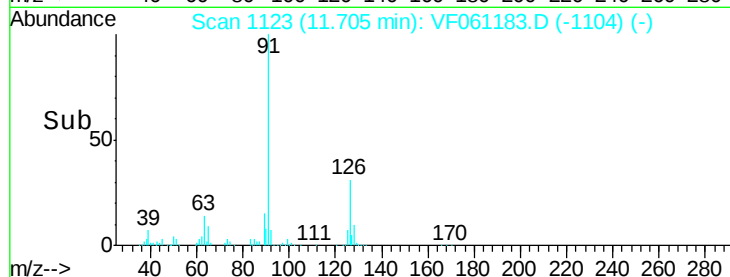
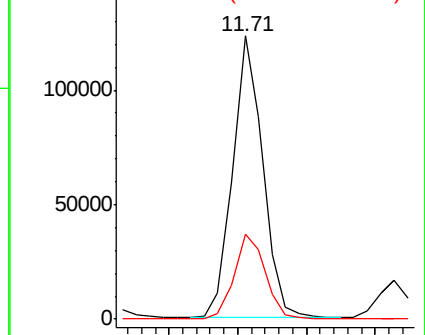
91 100

126 30.2 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.221 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061183.D

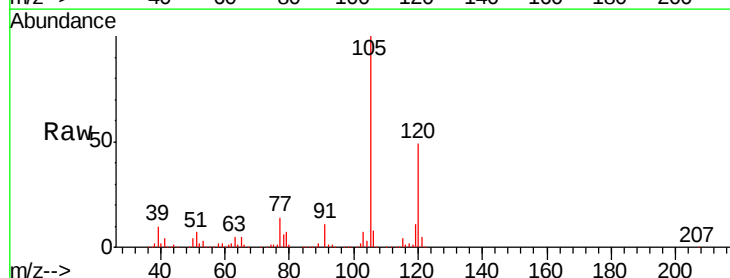
Acq: 26 Dec 2018 12:44

Tgt Ion: 105 Resp: 234650

Ion Ratio Lower Upper

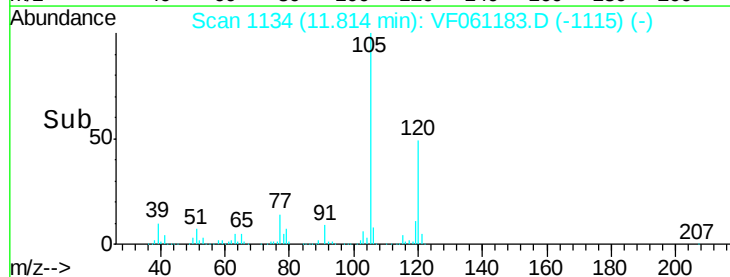
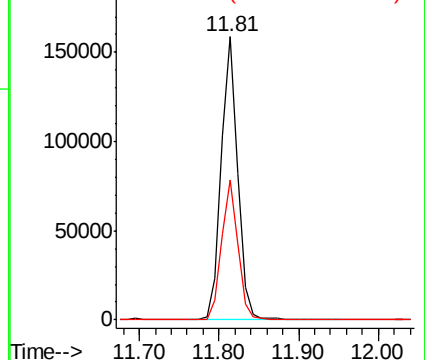
105 100

120 49.5 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 28.023 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

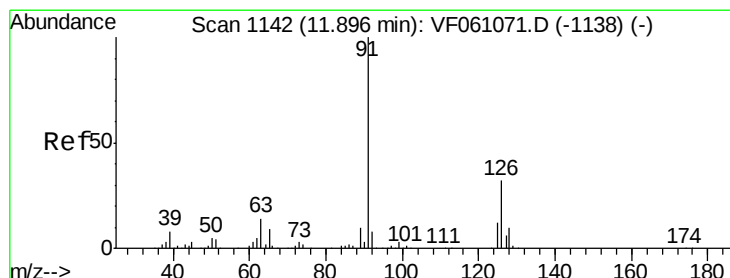
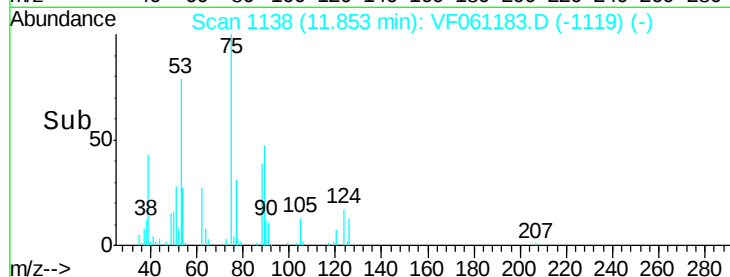
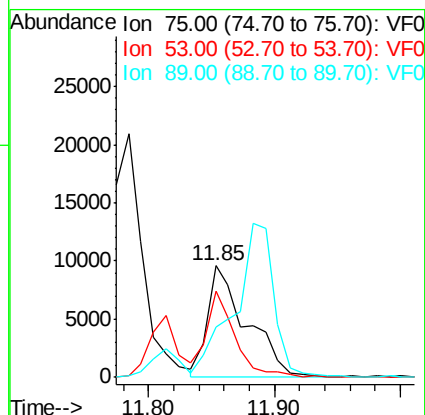
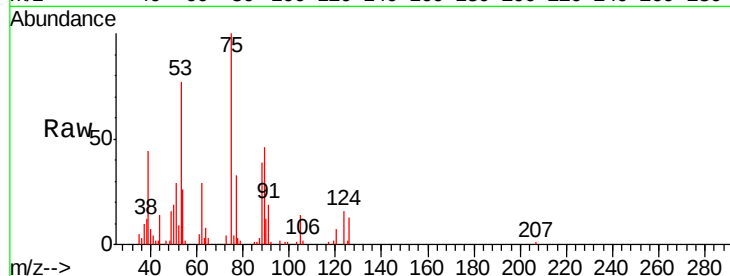
Tgt Ion: 75 Resp: 20960

Ion Ratio Lower Upper

75 100

53 77.5 74.1 111.1

89 45.7 42.6 64.0



#82

4-Chlorotoluene

Concen: 19.907 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061183.D

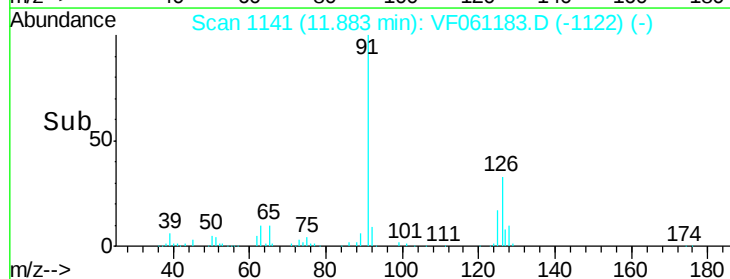
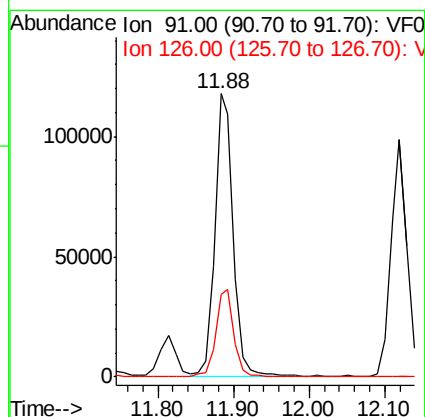
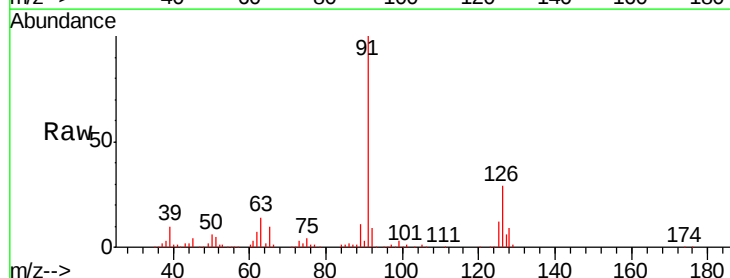
Acq: 26 Dec 2018 12:44

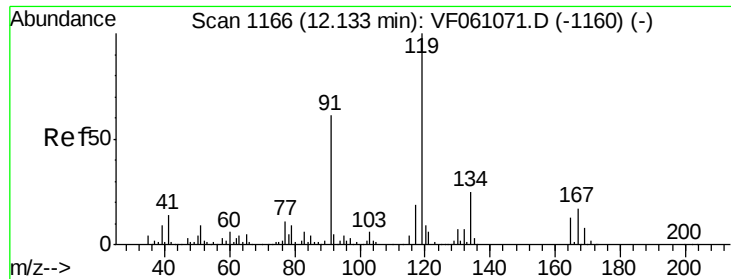
Tgt Ion: 91 Resp: 199083

Ion Ratio Lower Upper

91 100

126 29.1 16.0 47.9

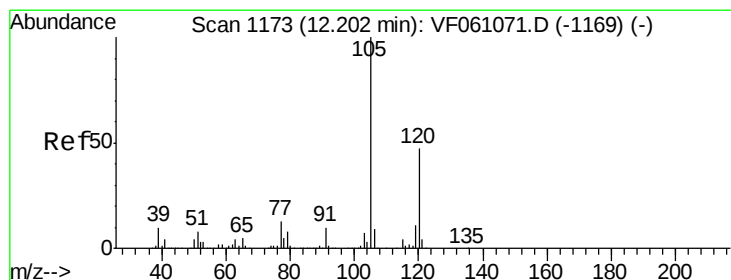
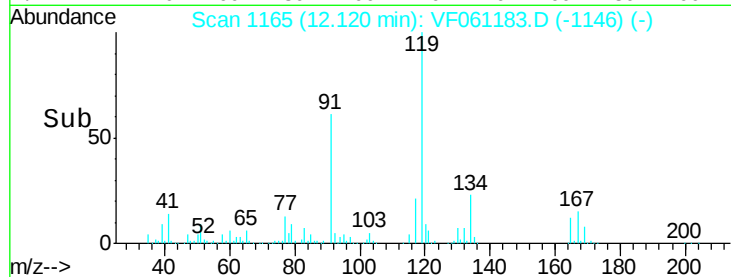
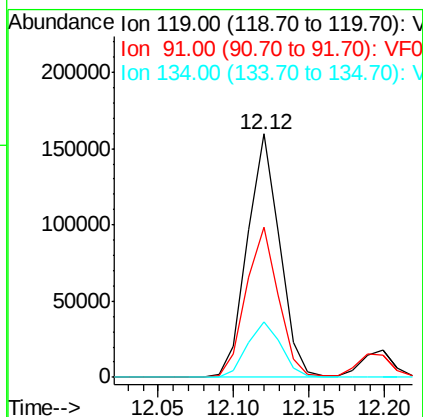
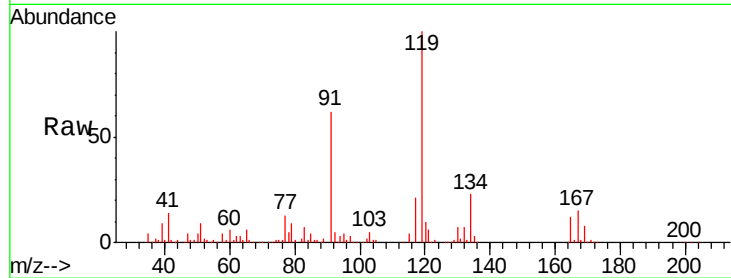




#83
 tert-Butylbenzene
 Concen: 20.071 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

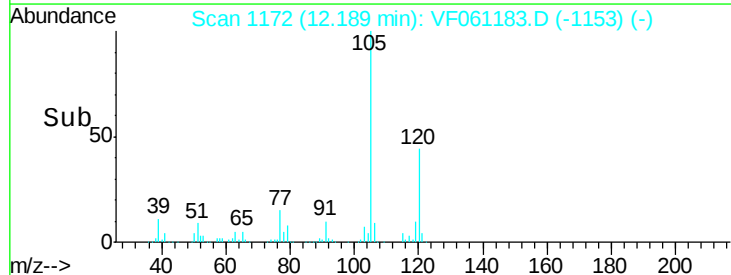
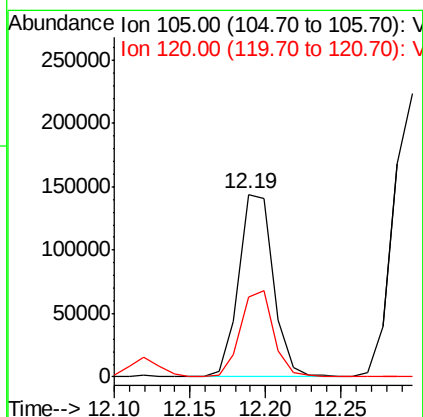
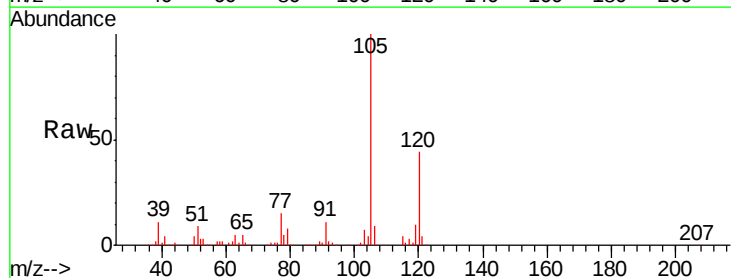
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

Tgt Ion:119 Resp: 239669
 Ion Ratio Lower Upper
 119 100
 91 61.9 30.5 91.5
 134 22.9 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 19.834 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Tgt Ion:105 Resp: 229519
 Ion Ratio Lower Upper
 105 100
 120 43.6 23.6 71.0

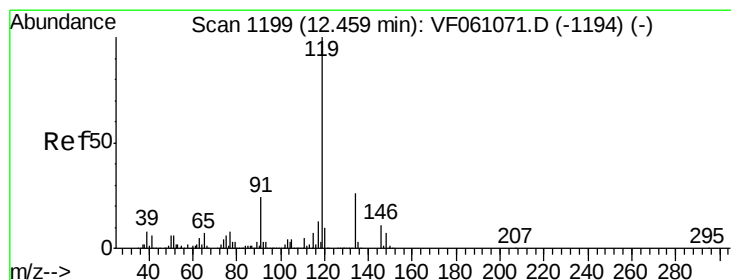
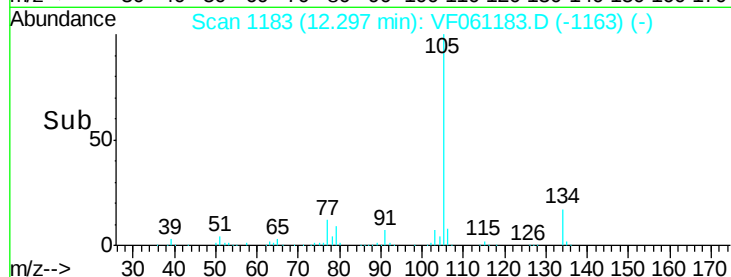
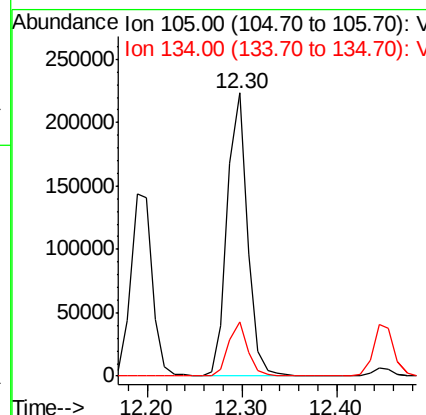
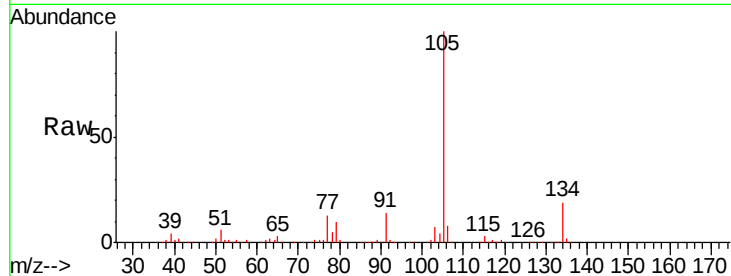




#85
 sec-Butylbenzene
 Concen: 21.140 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

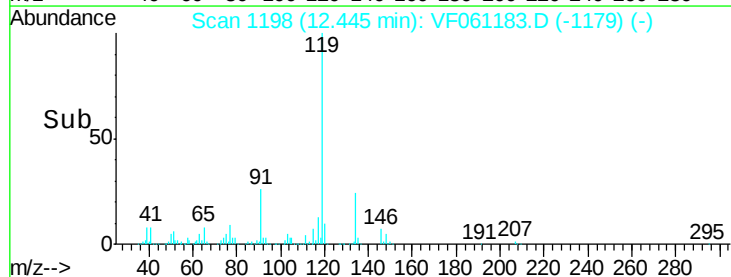
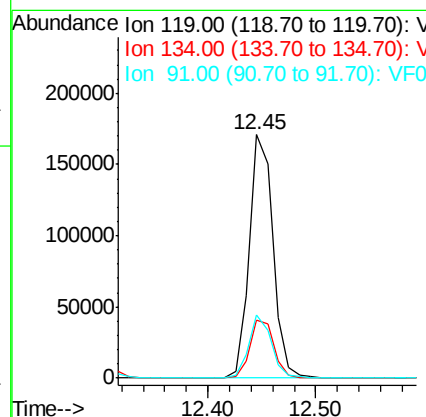
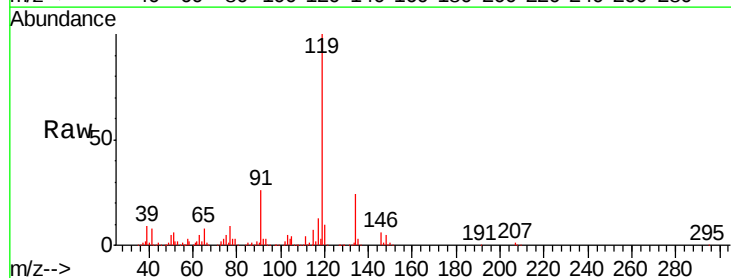
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBSD01

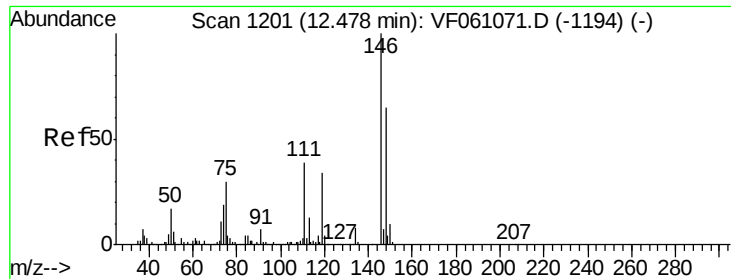
Tgt Ion:105 Resp: 329418
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 20.115 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Tgt Ion:119 Resp: 260174
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.8 38.4
 91 25.9 12.2 36.6

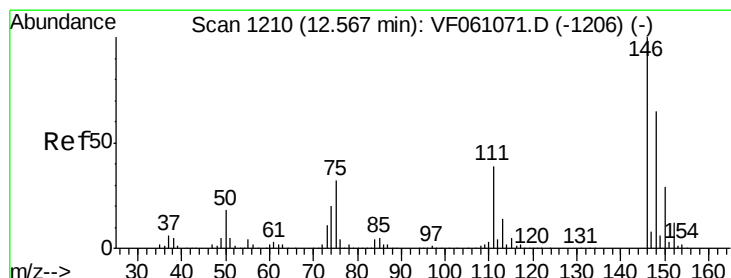
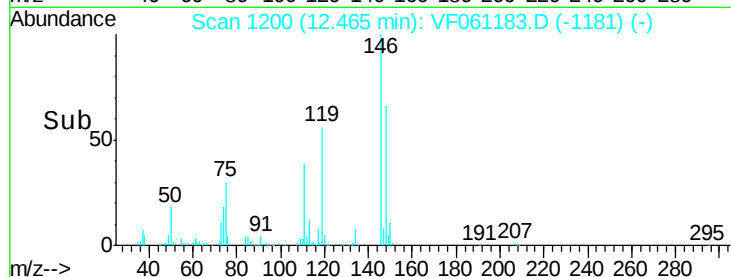
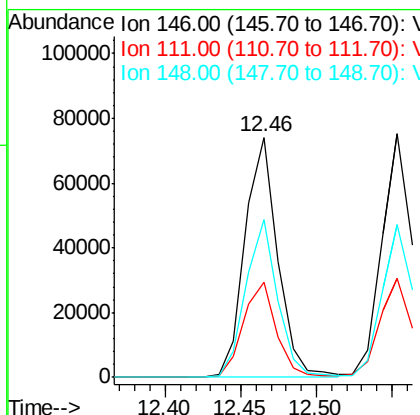
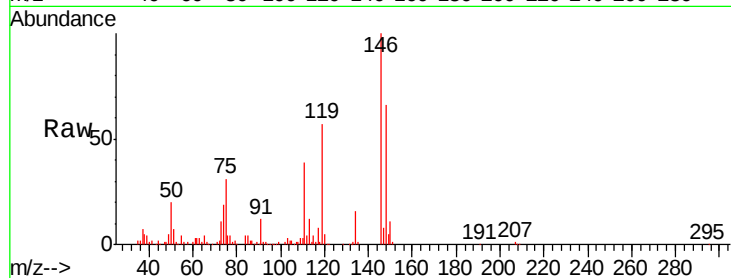




#87
 1,3-Dichlorobenzene
 Concen: 19.258 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

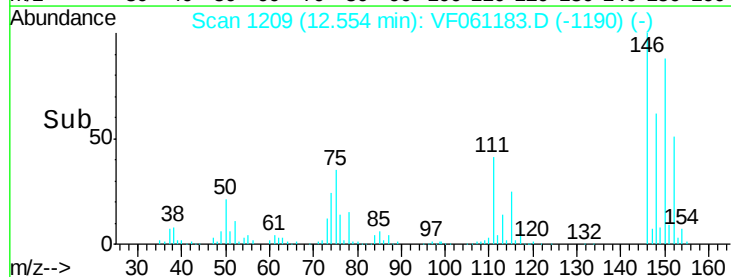
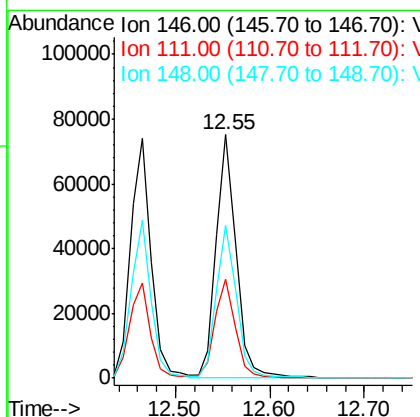
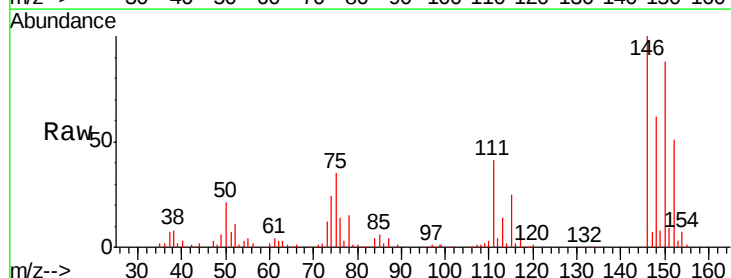
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBSD01

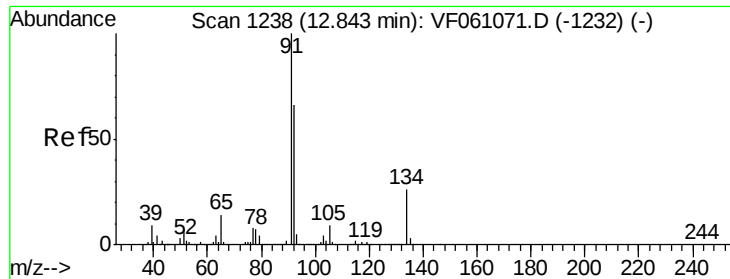
Tgt Ion:146 Resp: 111715
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.3 57.9
 148 65.5 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 19.788 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Tgt Ion:146 Resp: 110229
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.4 58.4
 148 62.5 32.4 97.0

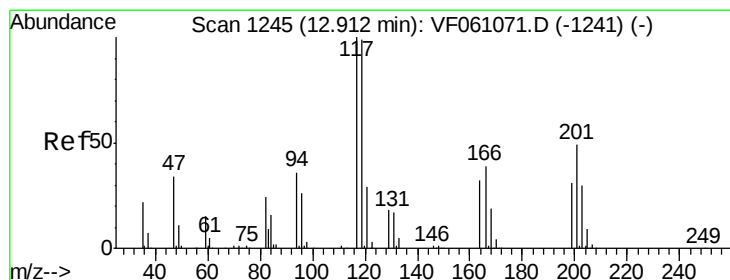
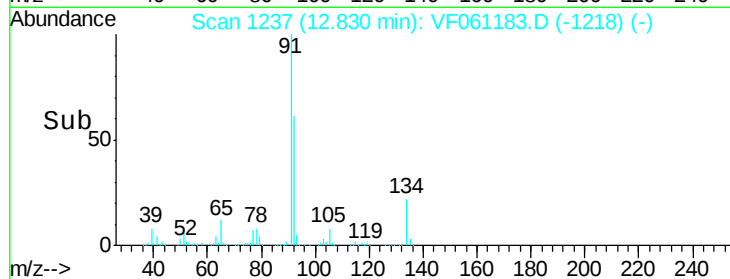
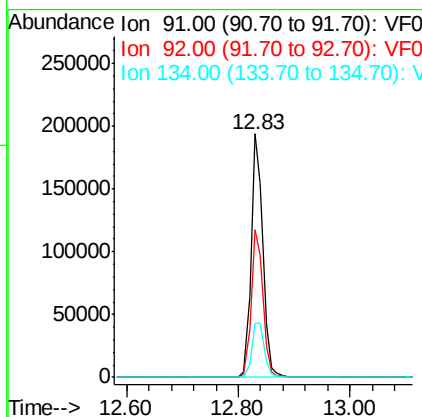
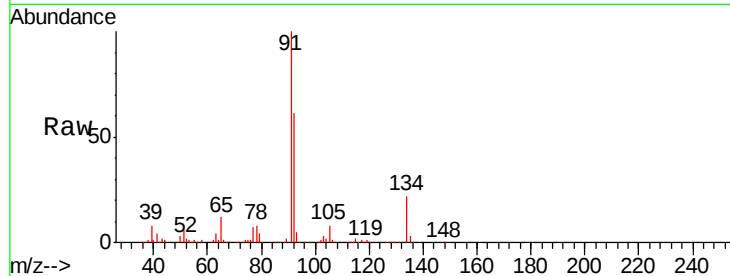




#89
n-Butylbenzene
Concen: 18.967 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

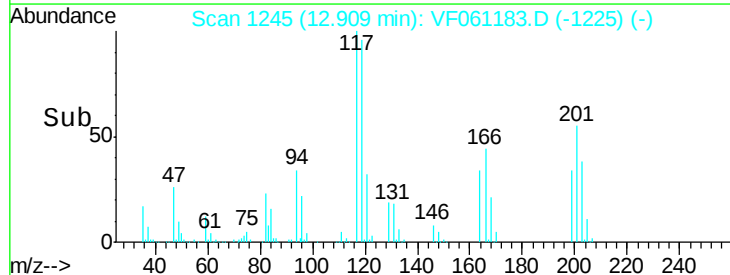
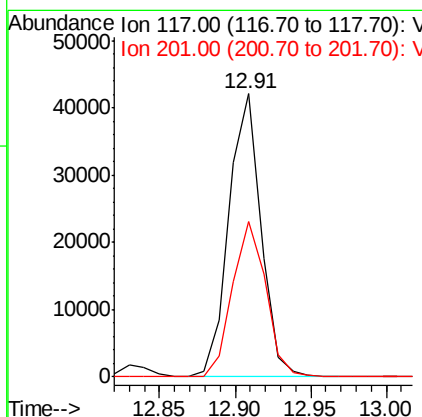
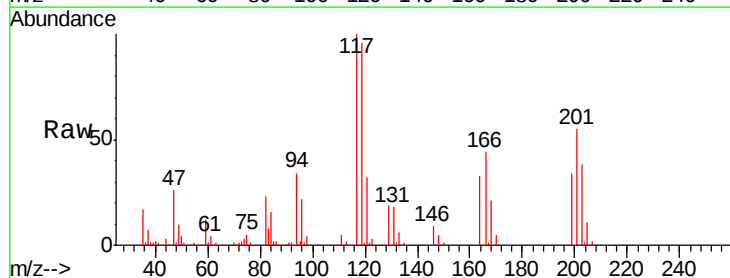
Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

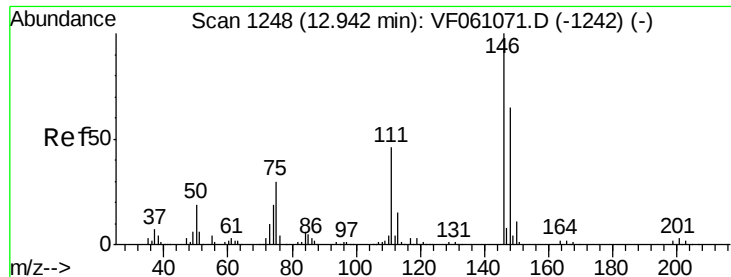
Tgt Ion: 91 Resp: 282149
Ion Ratio Lower Upper
91 100
92 60.5 32.8 98.4
134 22.2 13.2 39.5



#90
Hexachloroethane
Concen: 19.447 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion: 117 Resp: 62147
Ion Ratio Lower Upper
117 100
201 54.9 24.9 74.8





#91

1,2-Dichlorobenzene

Concen: 20.229 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

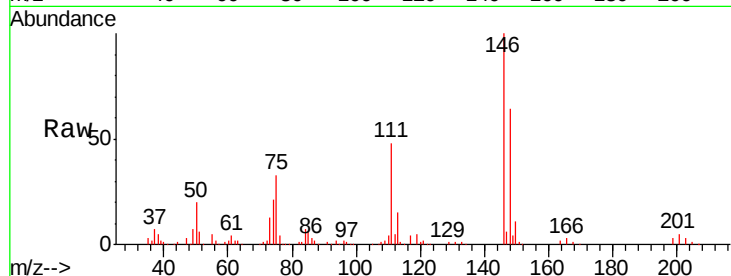
Tgt Ion:146 Resp: 109708

Ion Ratio Lower Upper

146 100

111 48.1 23.2 69.5

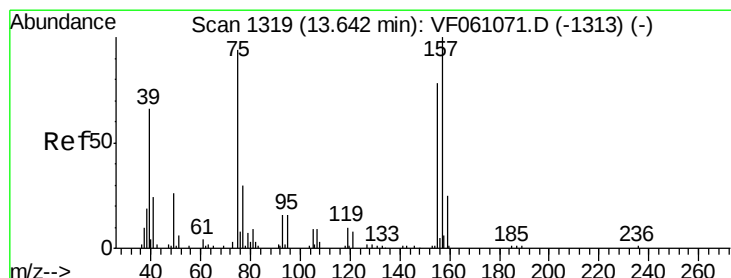
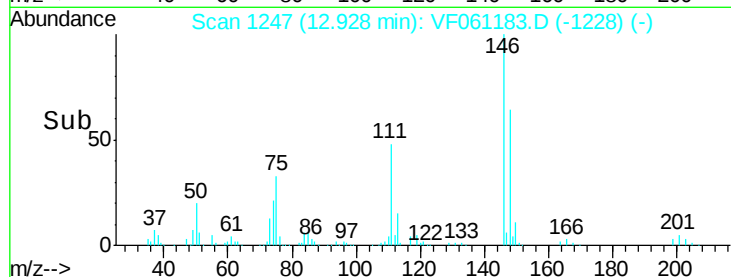
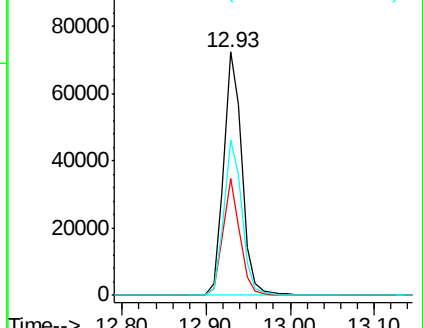
148 63.9 32.4 97.0



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: 19.660 ug/l

RT: 13.63 min Scan# 1318

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

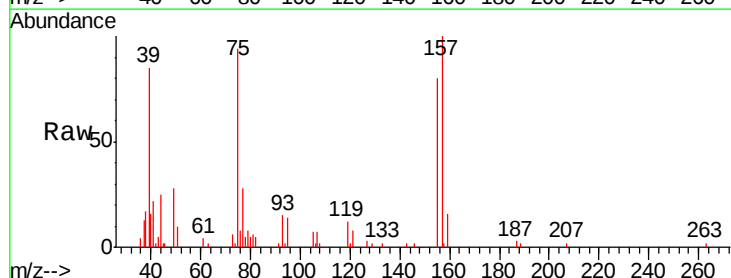
Tgt Ion: 75 Resp: 8438

Ion Ratio Lower Upper

75 100

155 84.8 41.5 124.5

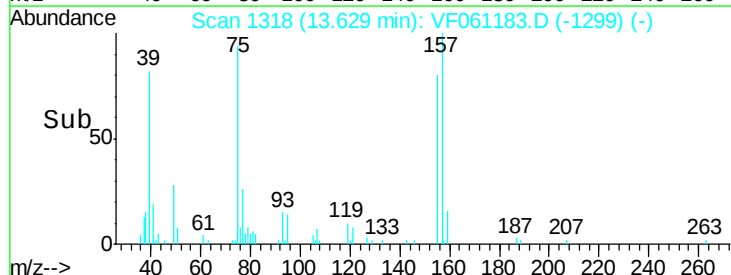
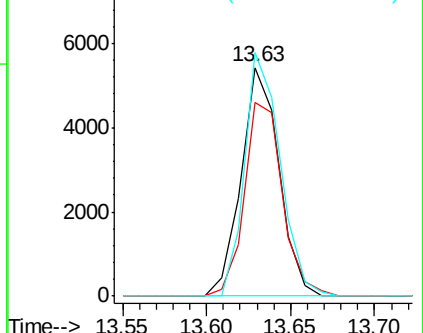
157 106.4 53.2 159.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

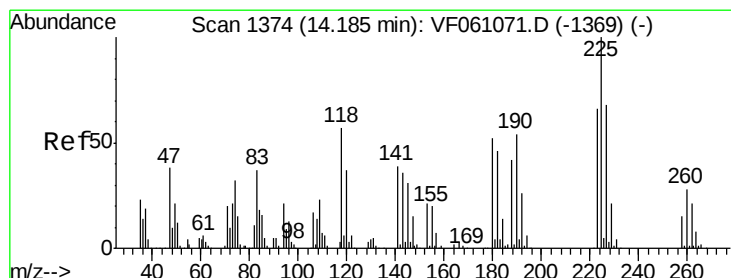
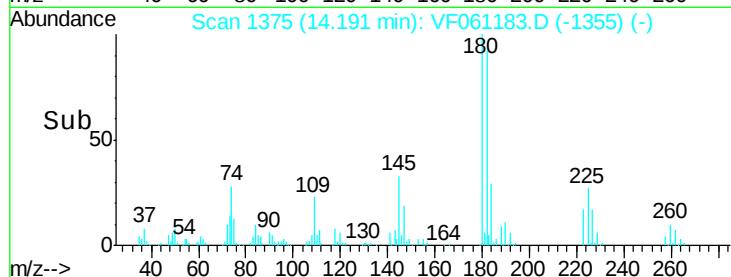
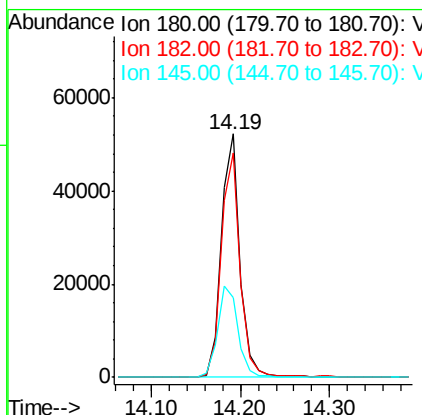
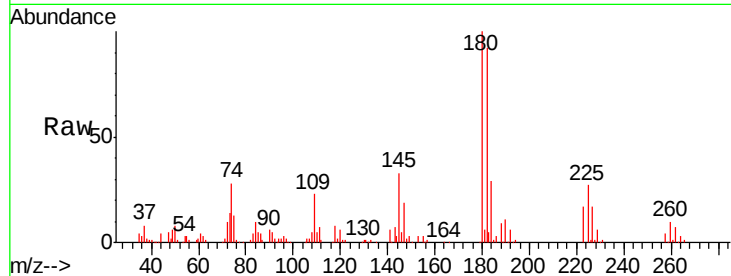




#93
 1,2,4-Trichlorobenzene
 Concen: 20.129 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

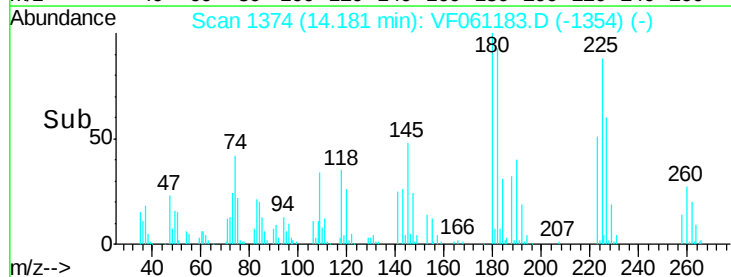
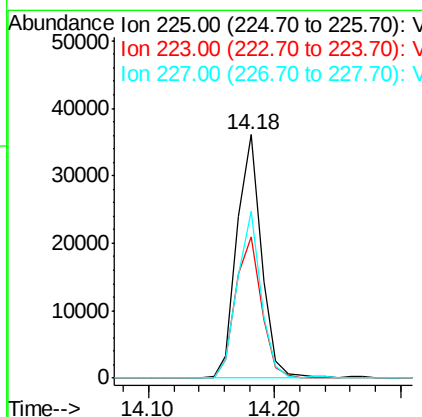
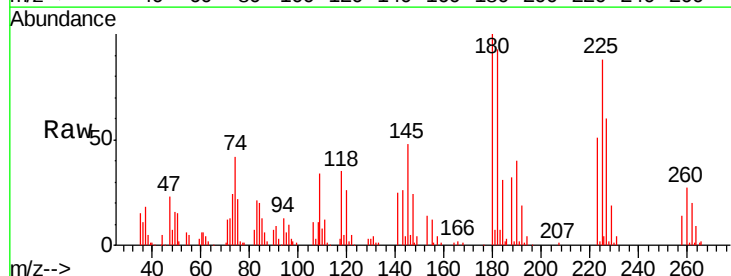
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBSD01

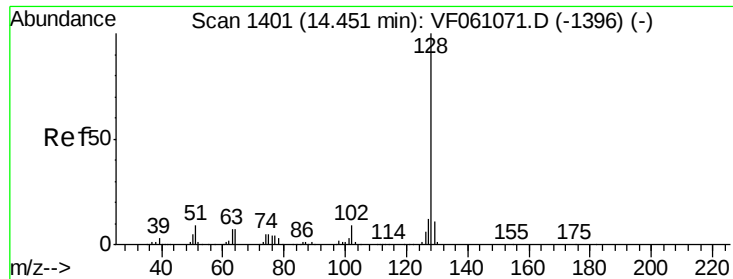
Tgt Ion:180 Resp: 77420
 Ion Ratio Lower Upper
 180 100
 182 92.0 46.9 140.6
 145 32.9 20.5 61.6



#94
 Hexachlorobutadiene
 Concen: 19.797 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Tgt Ion:225 Resp: 48495
 Ion Ratio Lower Upper
 225 100
 223 58.0 32.8 98.3
 227 68.3 34.0 101.8

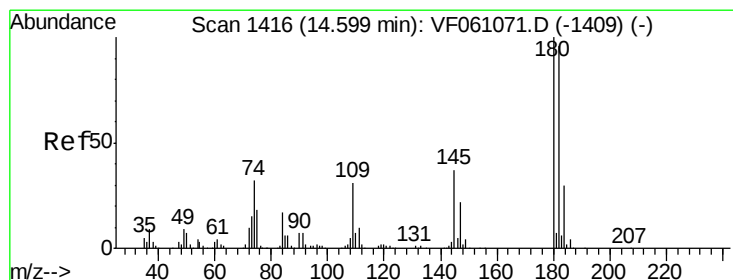
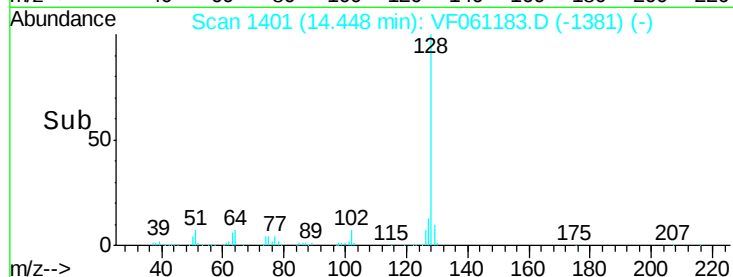
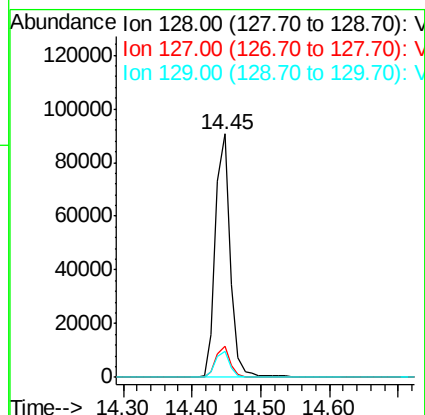
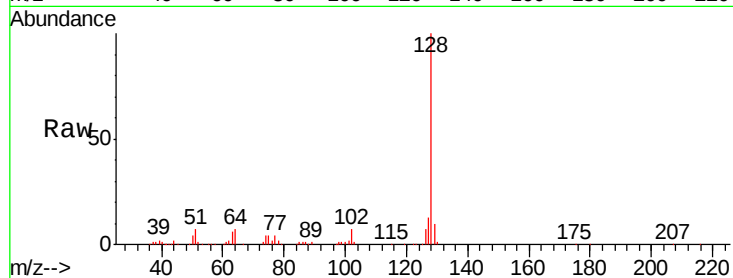




#95
Naphthalene
Concen: 19.492 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tgt Ion:128 Resp: 136900
Ion Ratio Lower Upper
128 100
127 12.6 9.4 14.2
129 10.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.652 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion:180 Resp: 69875
Ion Ratio Lower Upper
180 100
182 95.6 47.9 143.8
145 39.7 18.6 55.8

