

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122118\
 Data File : VF061121.D
 Acq On : 21 Dec 2018 12:53
 Operator : VA/AP
 Sample : VF1221SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBSD01

Quant Time: Dec 21 14:16:38 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	4.90	168	211481	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.63	114	361459	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.80	117	331215	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.58	152	166064	50.00	ug/l	0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.87	65	133831	49.20	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	4.14	113	142052	49.06	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	7.59	98	419442	51.12	ug/l	0.03
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	11.43	95	189150	50.00	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	82731	17.598	ug/l	100
3) Chloromethane	1.12	50	50716	18.834	ug/l	94
4) Vinyl Chloride	1.14	62	47527	19.026	ug/l	89
5) Bromomethane	1.37	94	32155	18.558	ug/l	91
6) Chloroethane	1.41	64	21187	18.407	ug/l	99
7) Trichlorofluoromethane	1.52	101	57291	12.011	ug/l	91
8) Diethyl Ether	1.65	74	14931	22.860	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.86	101	47661	19.272	ug/l	94
10) Methyl Iodide	1.93	142	64279	16.489	ug/l	95
11) Tert butyl alcohol	2.61	59	11644	106.083	ug/l	94
12) 1,1-Dichloroethene	1.81	96	35823	19.216	ug/l	99
13) Acrolein	2.01	56	7487	94.396	ug/l	91
14) Allyl chloride	2.11	41	28592	14.738	ug/l	90
15) Acrylonitrile	2.97	53	25729	101.369	ug/l	87
16) Acetone	2.27	43	51228	94.211	ug/l	94
17) Carbon Disulfide	1.85	76	78605	13.953	ug/l	99
18) Methyl Acetate	2.37	43	23568	20.949	ug/l	99
19) Methyl tert-butyl Ether	2.46	73	80941	19.561	ug/l	100
20) Methylene Chloride	2.29	84	31505	14.986	ug/l	90
21) trans-1,2-Dichloroethene	2.33	96	15860	7.954	ug/l	90
22) Diisopropyl ether	2.83	45	134572	20.825	ug/l	92
23) Vinyl Acetate	3.22	43	363299	121.865	ug/l	99
24) 1,1-Dichloroethane	2.89	63	67863	17.724	ug/l	98
25) 2-Butanone	4.38	43	102981	116.775	ug/l	94
26) 2,2-Dichloropropane	3.63	77	41238	18.768	ug/l	87
27) cis-1,2-Dichloroethene	3.50	96	63232	20.715	ug/l	93
28) Bromochloromethane	3.75	49	43734	22.512	ug/l	91
29) Tetrahydrofuran	4.11	42	45471	126.684	ug/l	93
30) Chloroform	3.90	83	110762	19.293	ug/l	92
31) Cyclohexane	3.72	56	48576	12.226	ug/l	96
32) 1,1,1-Trichloroethane	4.12	97	59172	17.196	ug/l	95
36) 1,1-Dichloropropene	4.31	75	84800	19.436	ug/l	96
37) Ethyl Acetate	4.14	43	42936	23.062	ug/l	87
38) Carbon Tetrachloride	4.02	117	61826	18.607	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	75180	19.207	ug/l	95
40) Benzene	4.67	78	204100	21.753	ug/l	96
41) Methacrylonitrile	4.78	41	21773	23.629	ug/l	92
42) 1,2-Dichloroethane	4.97	62	68188	19.131	ug/l	98
43) Isopropyl Acetate	6.99	43	52593	24.965	ug/l #	96
44) Trichloroethene	5.53	130	62861	21.250	ug/l	95
45) 1,2-Dichloropropane	6.26	63	53495	20.956	ug/l	98
46) Dibromomethane	6.12	93	35642	21.527	ug/l	90
47) Bromodichloromethane	6.42	83	88433	20.557	ug/l	99
48) Methyl methacrylate	6.76	41	33252	22.610	ug/l #	85
49) 1,4-Dioxane	6.75	88	4048	379.332	ug/l #	78
51) 4-Methyl-2-Pentanone	8.30	43	172973	119.719	ug/l	100
52) Toluene	7.65	92	134916	21.722	ug/l	97
53) t-1,3-Dichloropropene	8.32	75	74204	21.382	ug/l	100
54) cis-1,3-Dichloropropene	7.34	75	96970	22.263	ug/l	96
55) 1,1,2-Trichloroethane	8.52	97	41040	22.042	ug/l	92
56) Ethyl methacrylate	8.65	69	47471	23.562	ug/l	97
57) 1,3-Dichloropropane	8.89	76	75226	22.338	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.33	63	58926	152.283	ug/l	100
59) 2-Hexanone	9.53	43	135709	129.882	ug/l	98
60) Dibromochloromethane	8.75	129	56469	21.157	ug/l	93
61) 1,2-Dibromoethane	9.03	107	43197	21.723	ug/l	98
64) Tetrachloroethene	8.19	164	52719	20.691	ug/l	97
65) Chlorobenzene	9.83	112	139244	20.350	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.96	131	56278	20.126	ug/l	97
67) Ethyl Benzene	9.93	91	265101	21.266	ug/l	100
68) m/p-Xylenes	10.17	106	192396	43.856	ug/l	97
69) o-Xylene	10.74	106	105962	21.778	ug/l	96
70) Styrene	10.82	104	145012	21.694	ug/l	99
71) Bromoform	10.80	173	29156	22.538	ug/l	99
73) Isopropylbenzene	11.15	105	307060	21.457	ug/l	93
74) N-amyl acetate	11.39	43	84599	26.627	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.72	83	55974	23.567	ug/l	98
76) 1,2,3-Trichloropropane	11.82	75	38993	22.061	ug/l	86
77) Bromobenzene	11.52	156	66075	21.449	ug/l	89
78) n-propylbenzene	11.62	91	356657	19.125	ug/l	98
79) 2-Chlorotoluene	11.75	91	205857	20.969	ug/l	99
80) 1,3,5-Trimethylbenzene	11.85	105	249022	21.133	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.90	75	25421	33.470	ug/l #	84
82) 4-Chlorotoluene	11.93	91	205992	20.284	ug/l	99
83) tert-Butylbenzene	12.15	119	257661	21.249	ug/l	97
84) 1,2,4-Trimethylbenzene	12.23	105	244909	20.842	ug/l	98
85) sec-Butylbenzene	12.33	105	325534	20.572	ug/l	99
86) p-Isopropyltoluene	12.49	119	284188	21.636	ug/l	96
87) 1,3-Dichlorobenzene	12.50	146	127334	22.354	ug/l	98
88) 1,4-Dichlorobenzene	12.59	146	116237	20.548	ug/l	96
89) n-Butylbenzene	12.86	91	294039	19.500	ug/l	93
90) Hexachloroethane	12.94	117	66203	20.401	ug/l	95
91) 1,2-Dichlorobenzene	12.97	146	117483	21.332	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	9817	22.524	ug/l	86

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

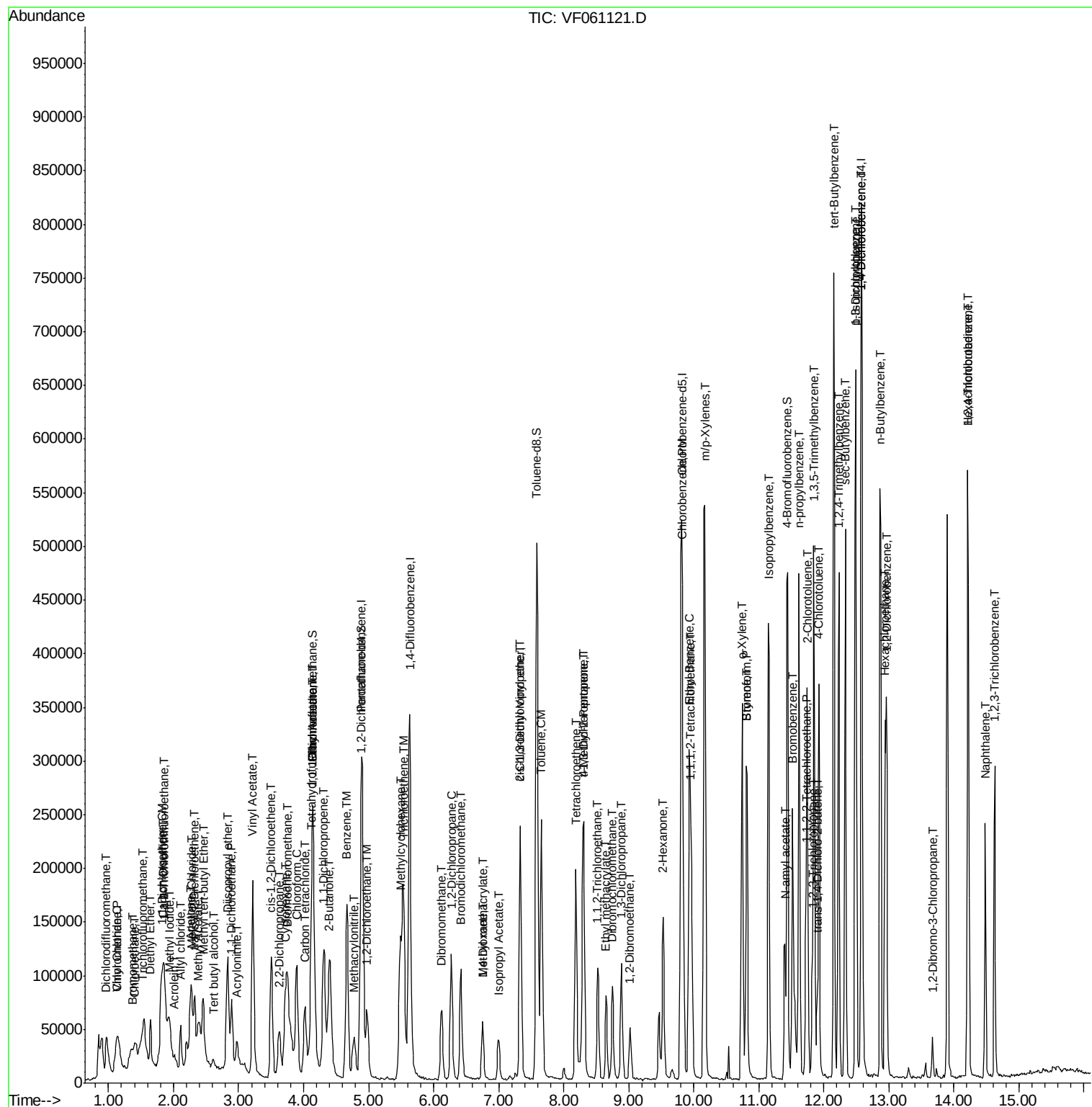
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	86246	22.082	ug/l	96
94) Hexachlorobutadiene	14.21	225	51341	20.639	ug/l	94
95) Naphthalene	14.48	128	158196	22.181	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	76843	21.282	ug/l	98

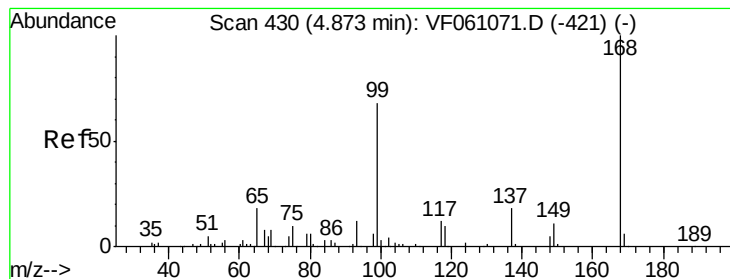
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.03 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

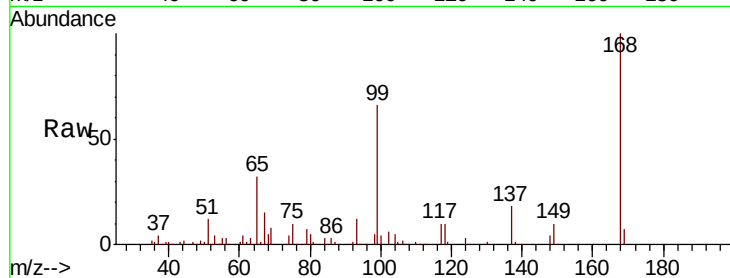
VF1221SBS01

Tot Ion:168 Resp: 211481

Ion Ratio Lower Upper

168 100

99 66.0 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

80000

60000

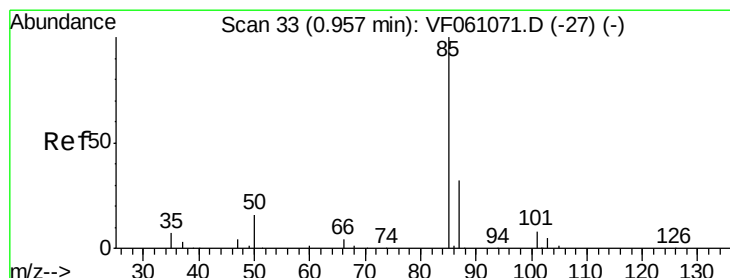
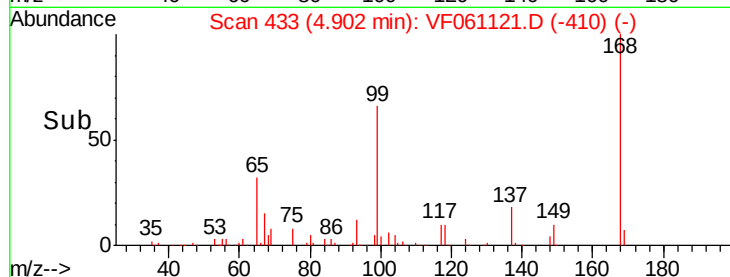
40000

20000

0

Time-->

4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 17.598 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061121.D

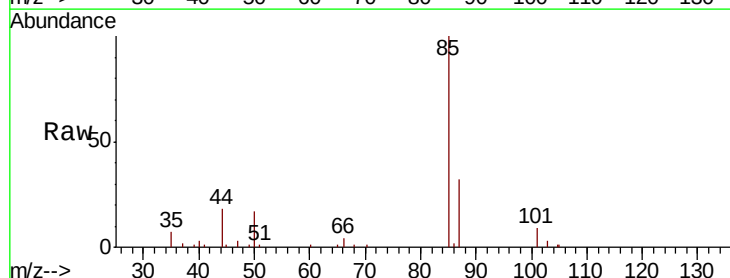
Acq: 21 Dec 2018 12:53

Tgt Ion: 85 Resp: 82731

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

20000

15000

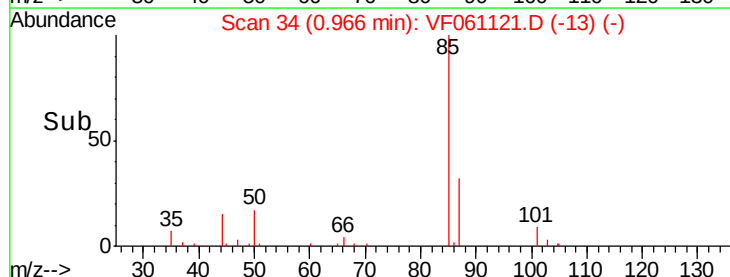
10000

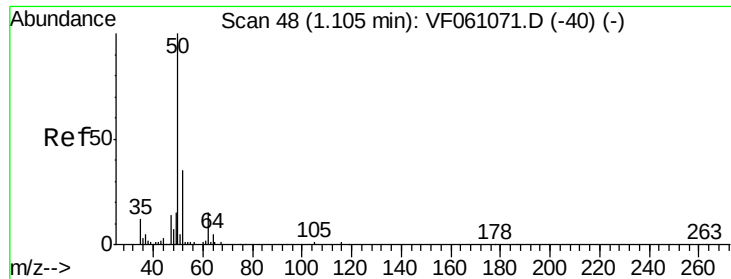
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 18.834 ug/l

RT: 1.12 min Scan# 50

Delta R.T. 0.02 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

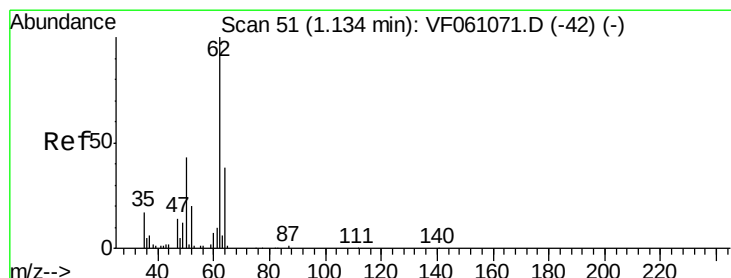
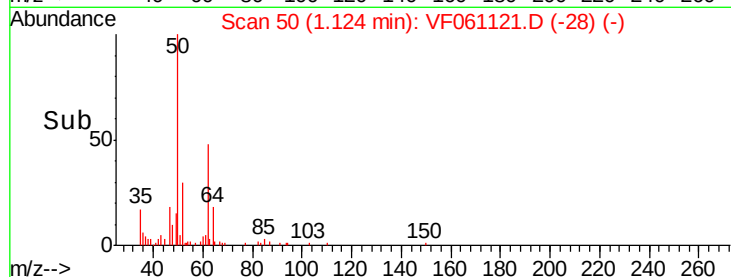
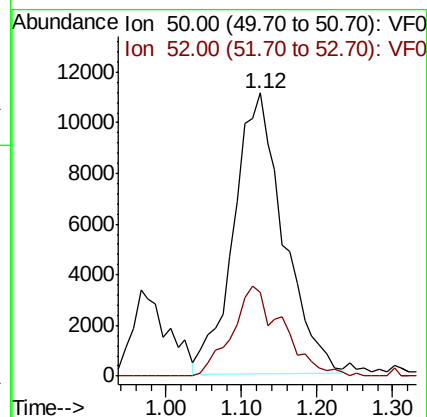
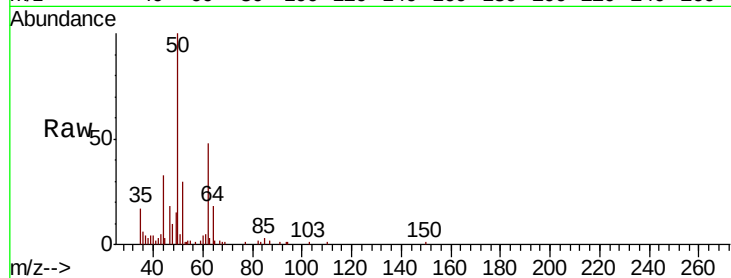
VF1221SBS01

Tot Ion: 50 Resp: 50716

Ion Ratio Lower Upper

50 100

52 29.7 26.3 39.5



#4

Vinyl Chloride

Concen: 19.026 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061121.D

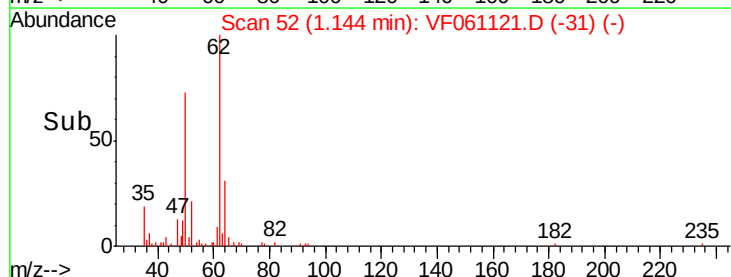
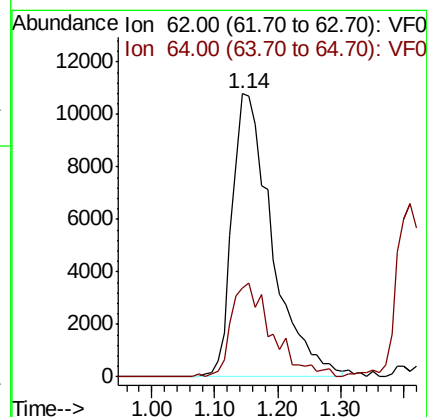
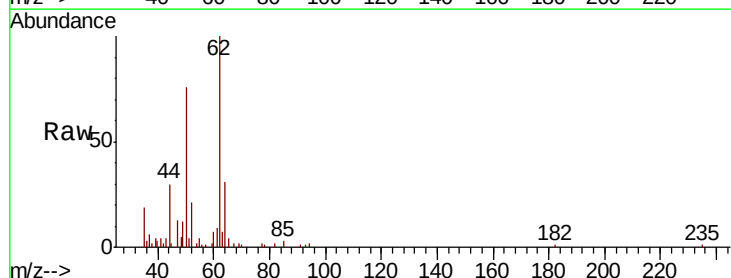
Acq: 21 Dec 2018 12:53

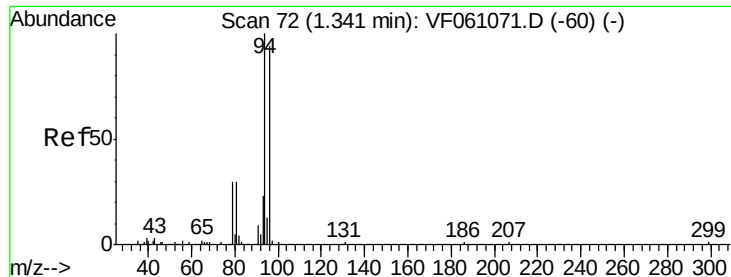
Tgt Ion: 62 Resp: 47527

Ion Ratio Lower Upper

62 100

64 31.4 30.4 45.6





#5

Bromomethane

Concen: 18.558 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.03 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

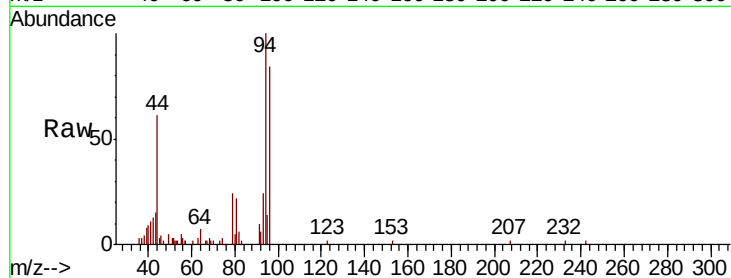
VF1221SBS01

Tot Ion: 94 Resp: 32155

Ion Ratio Lower Upper

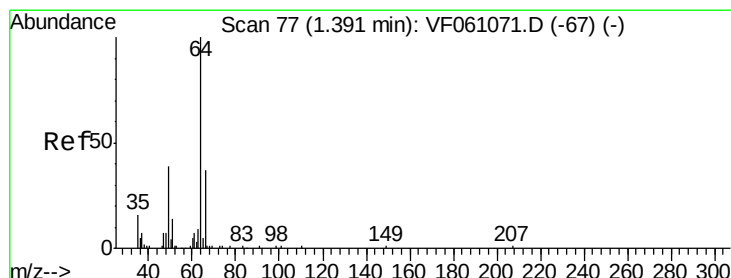
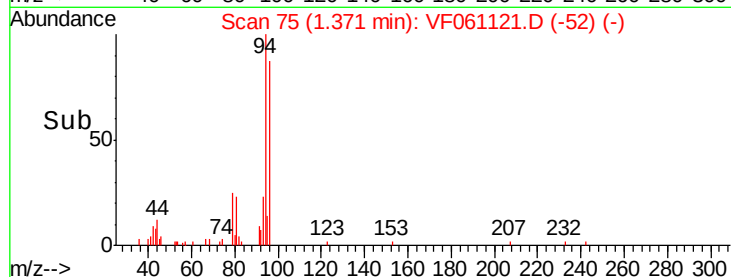
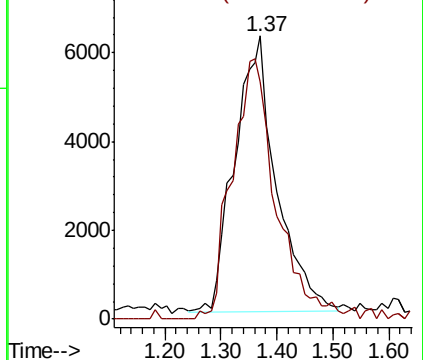
94 100

96 84.0 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: 18.407 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF061121.D

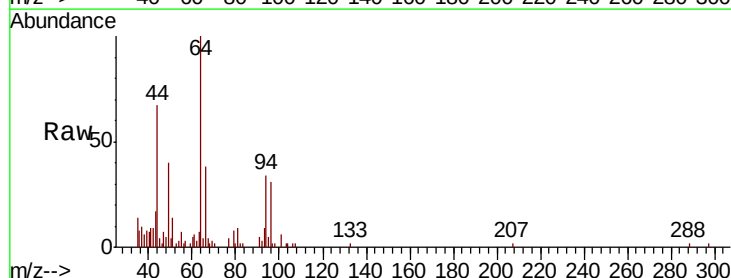
Acq: 21 Dec 2018 12:53

Tgt Ion: 64 Resp: 21187

Ion Ratio Lower Upper

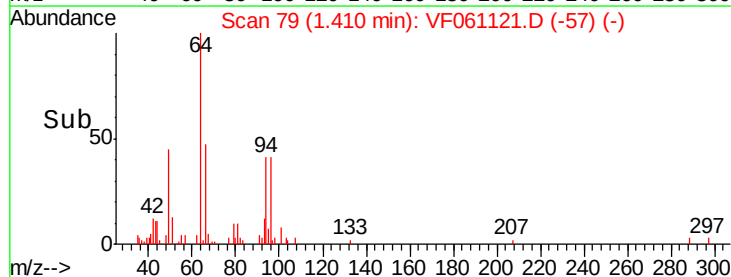
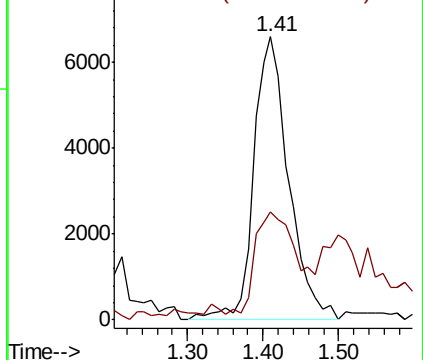
64 100

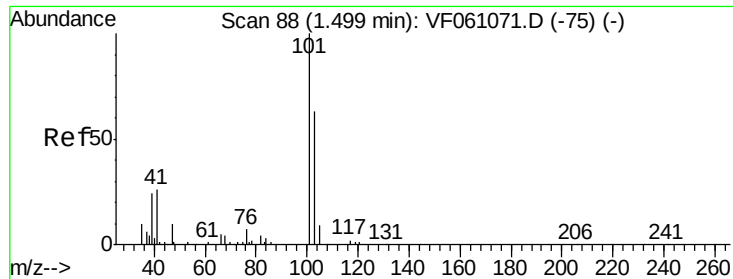
66 38.1 30.9 46.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



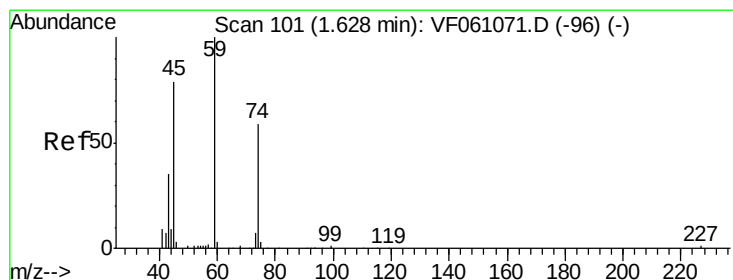
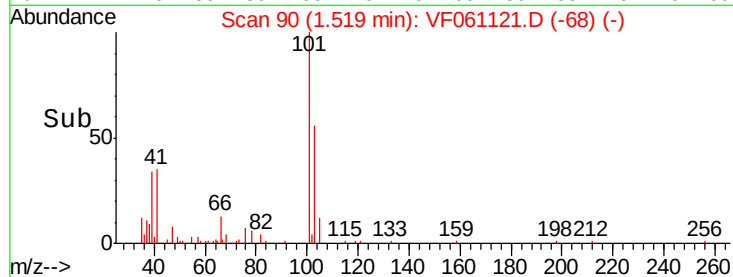
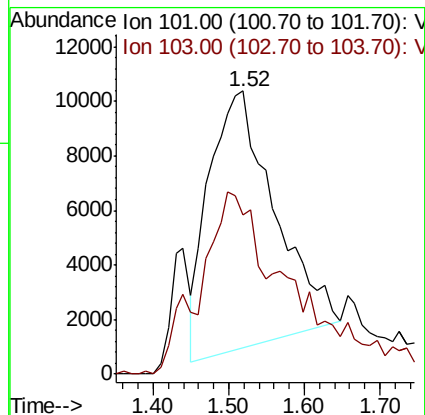
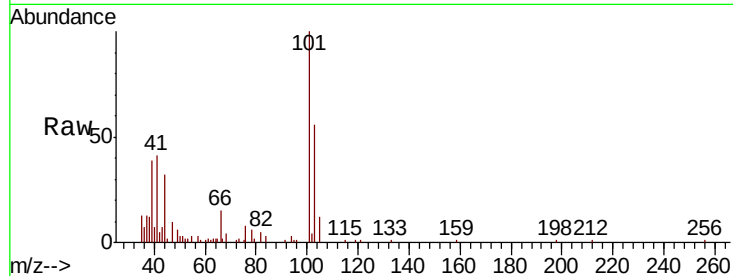


#7

Trichlorofluoromethane
 Concen: 12.011 ug/l
 RT: 1.52 min Scan# 90
 Delta R.T. 0.02 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

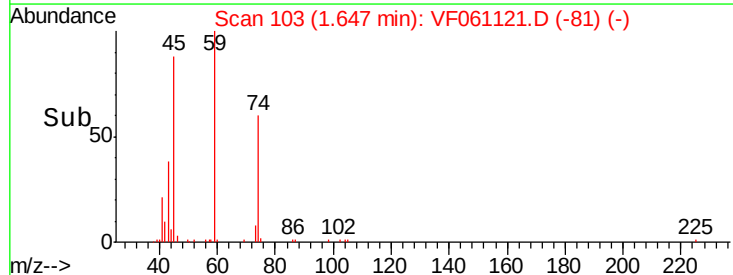
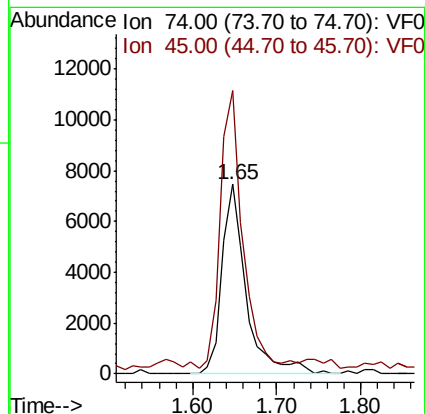
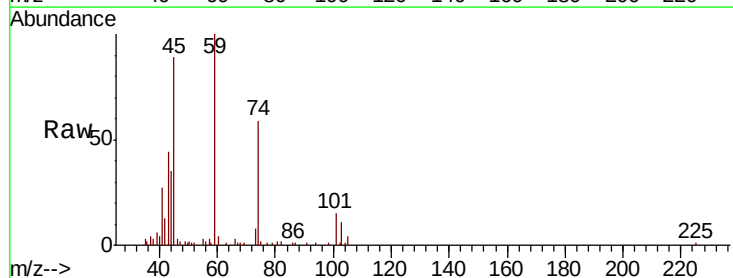
Tot Ion:101 Resp: 57291
 Ion Ratio Lower Upper
 101 100
 103 56.1 50.7 76.1

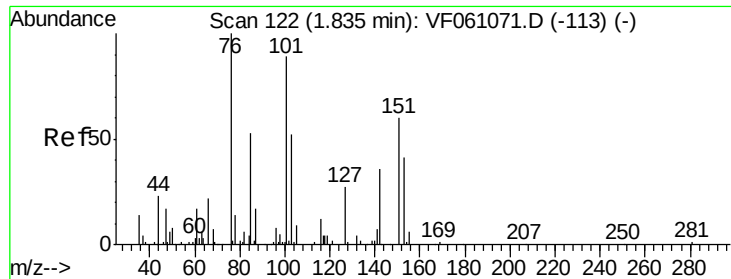


#8

Diethyl Ether
 Concen: 22.860 ug/l
 RT: 1.65 min Scan# 103
 Delta R.T. 0.02 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

Tgt Ion: 74 Resp: 14931
 Ion Ratio Lower Upper
 74 100
 45 149.3 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.272 ug/l

RT: 1.86 min Scan# 125

Delta R.T. 0.03 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

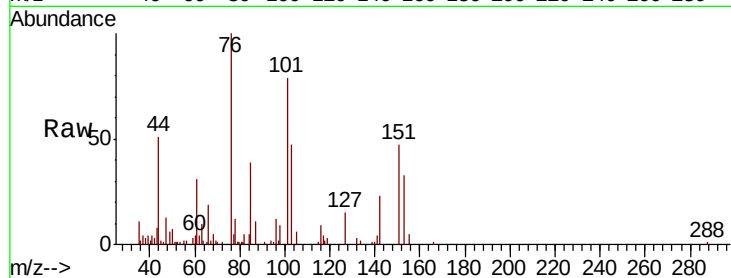
Tot Ion:101 Resp: 47661

Ion Ratio Lower Upper

101 100

85 48.8 44.5 66.7

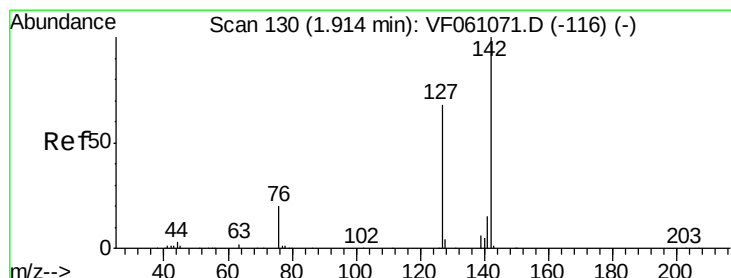
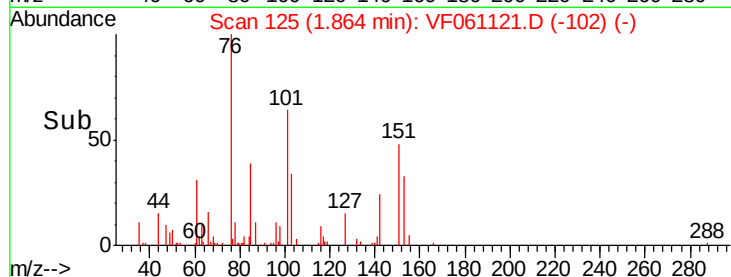
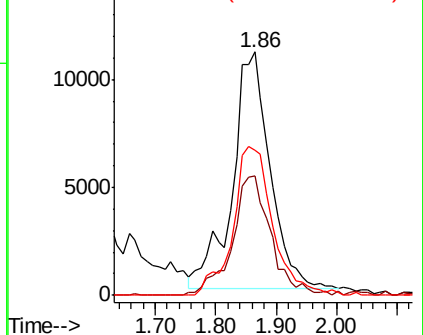
151 59.6 49.9 74.9



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: 16.489 ug/l

RT: 1.93 min Scan# 132

Delta R.T. 0.02 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

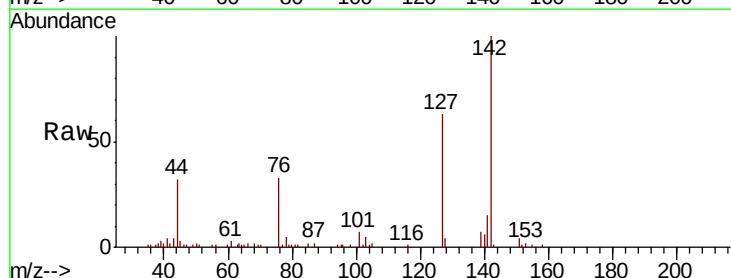
Tgt Ion:142 Resp: 64279

Ion Ratio Lower Upper

142 100

127 63.5 54.7 82.1

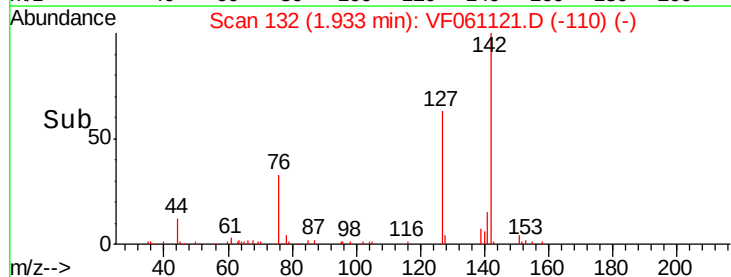
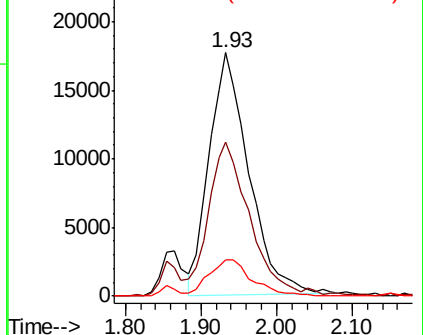
141 14.8 12.2 18.2

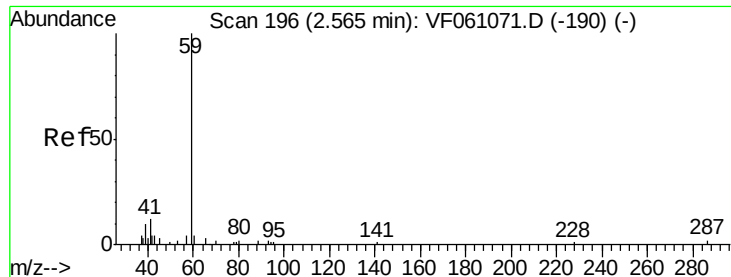


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



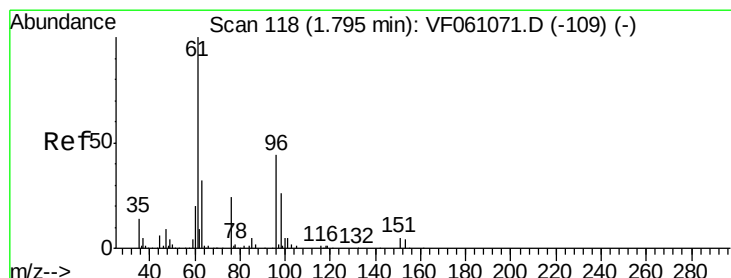
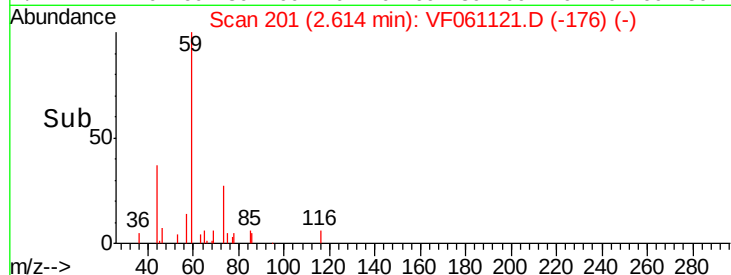
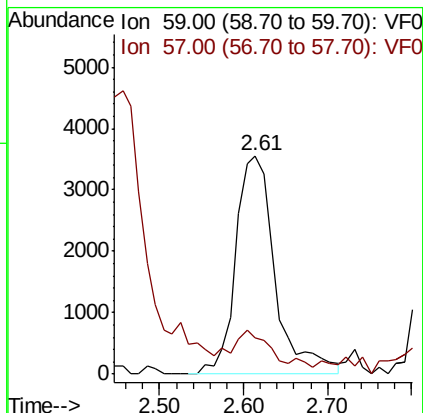
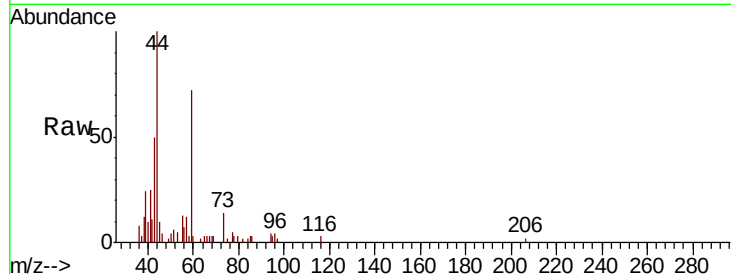


#11

Tert butyl alcohol
 Concen: 106.083 ug/l
 RT: 2.61 min Scan# 201
 Delta R.T. 0.05 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

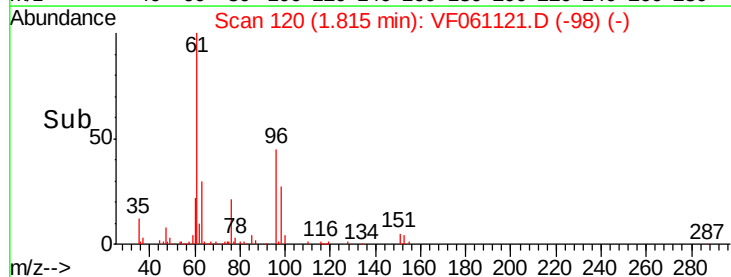
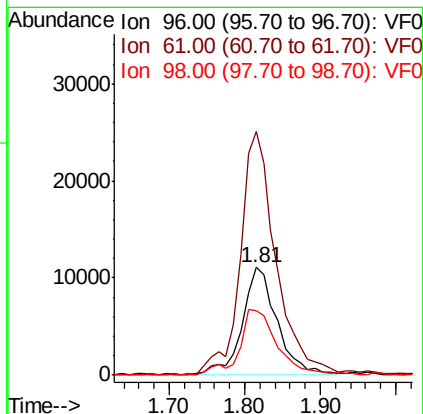
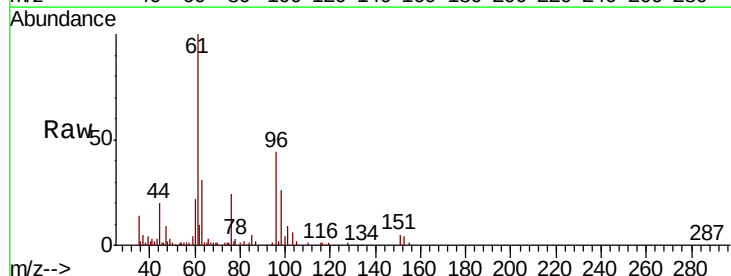
Tot Ion: 59 Resp: 11644
 Ion Ratio Lower Upper
 59 100
 57 16.8 11.5 17.3

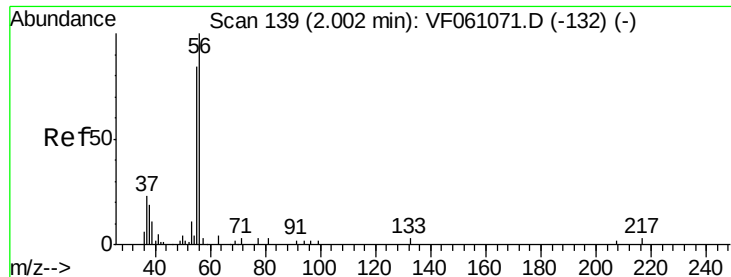


#12

1,1-Dichloroethene
 Concen: 19.216 ug/l
 RT: 1.81 min Scan# 120
 Delta R.T. 0.02 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

Tgt Ion: 96 Resp: 35823
 Ion Ratio Lower Upper
 96 100
 61 225.8 182.0 273.0
 98 59.7 46.5 69.7





#13

Acrolein

Concen: 94.396 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

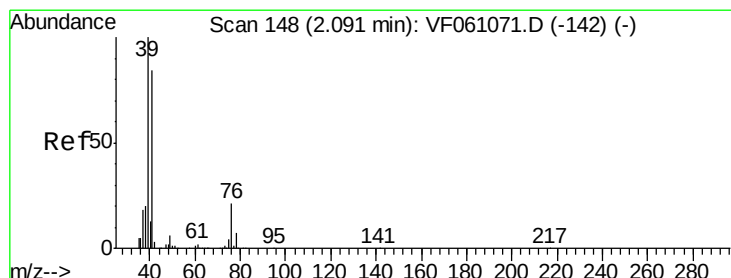
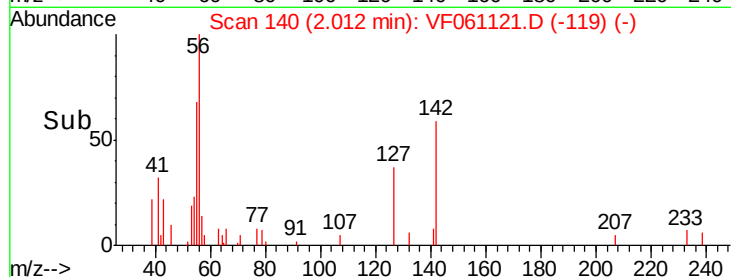
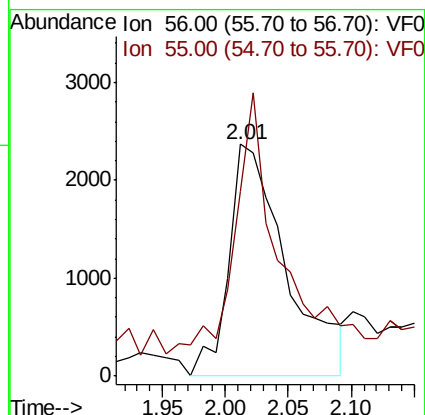
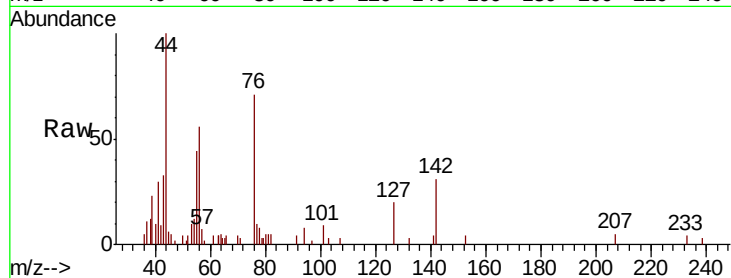
VF1221SBS01

Tot Ion: 56 Resp: 7487

Ion Ratio Lower Upper

56 100

55 79.5 70.2 105.2



#14

Allyl chloride

Concen: 14.738 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.02 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

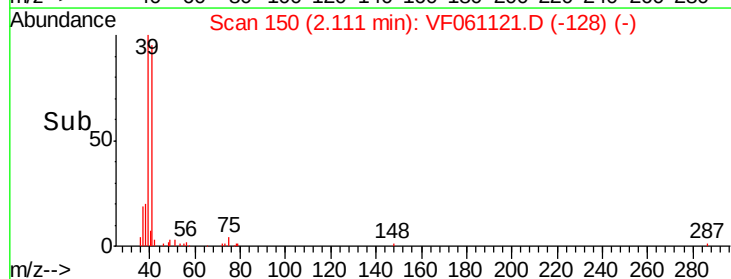
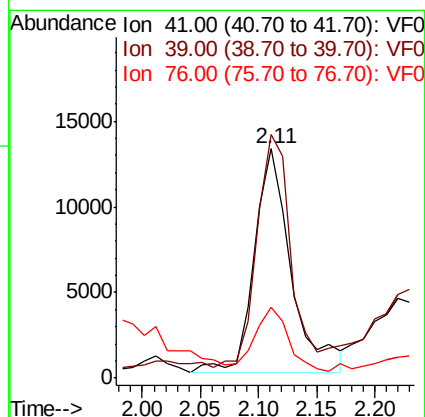
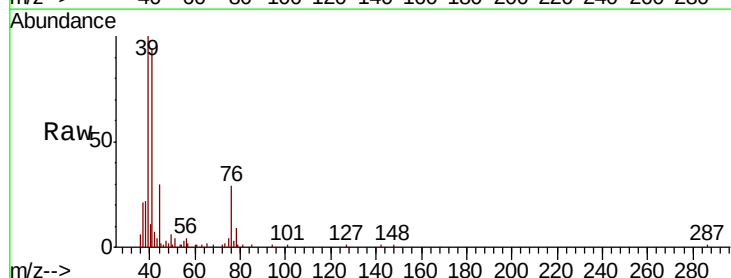
Tgt Ion: 41 Resp: 28592

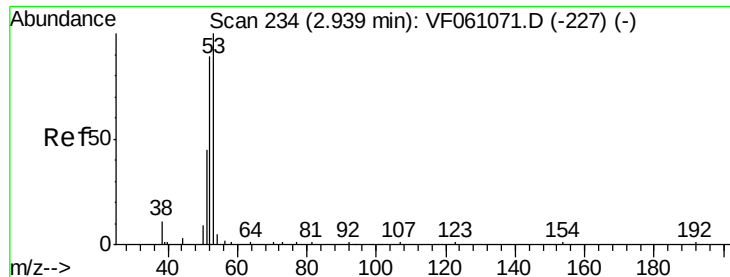
Ion Ratio Lower Upper

41 100

39 106.3 96.4 144.6

76 31.0 25.4 38.0





#15

Acrylonitrile

Concen: 101.369 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.03 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

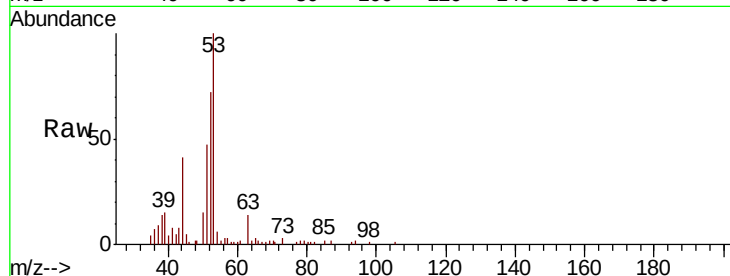
MSVOA_F

ClientSampleId :

VF1221SBS01

Tot Ion: 53 Resp: 25729

Ion	Ratio	Lower	Upper
53	100		
52	71.9	71.3	106.9
51	46.9	36.8	55.2

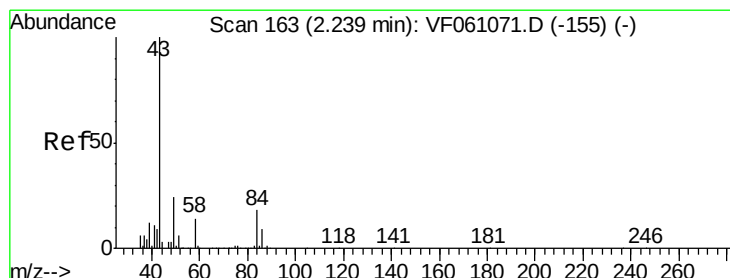
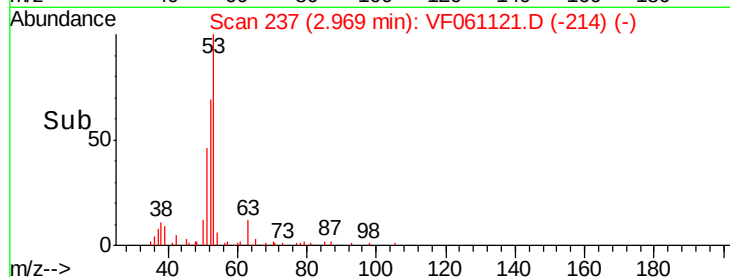
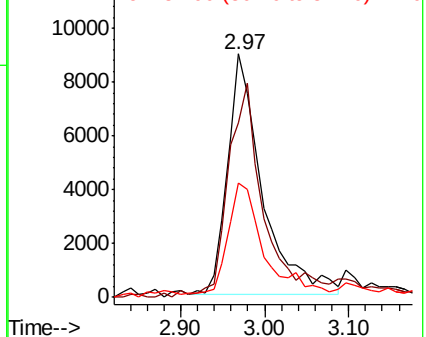


Abundance

Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 94.211 ug/l

RT: 2.27 min Scan# 166

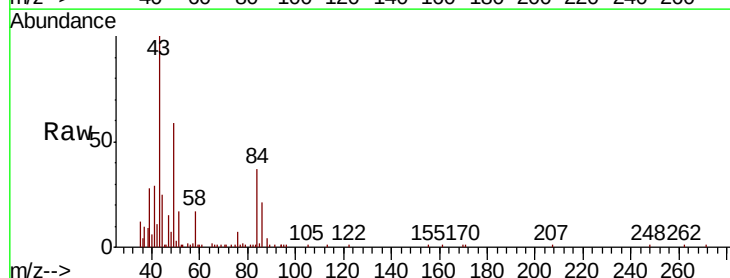
Delta R.T. 0.03 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Tgt Ion: 43 Resp: 51228

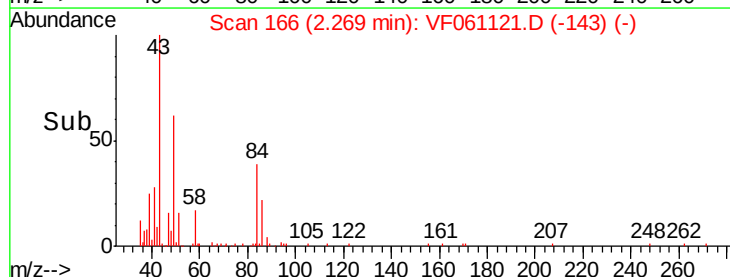
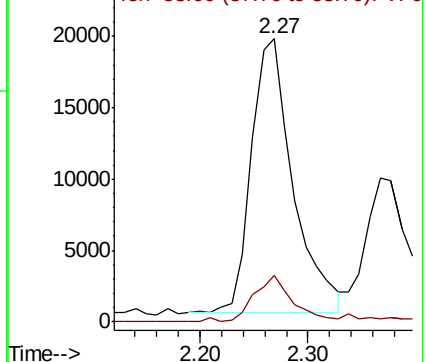
Ion	Ratio	Lower	Upper
43	100		
58	16.5	11.1	16.7

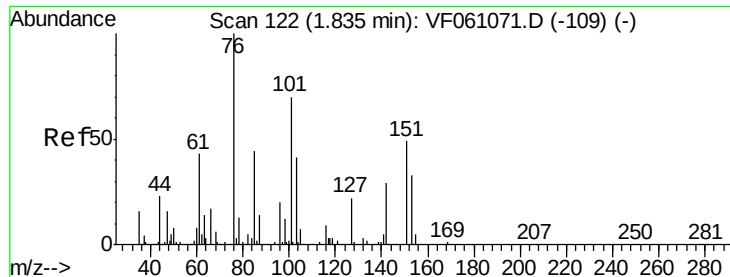


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 13.953 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

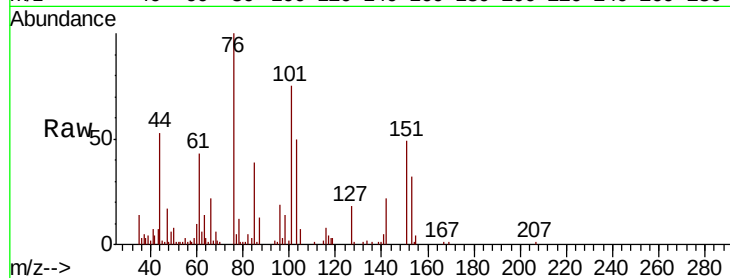
VF1221SBSD01

Tot Ion: 76 Resp: 78605

Ion Ratio Lower Upper

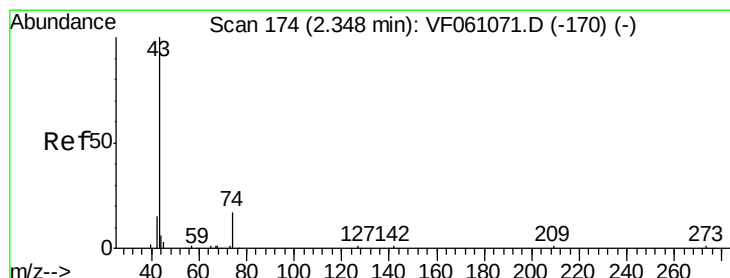
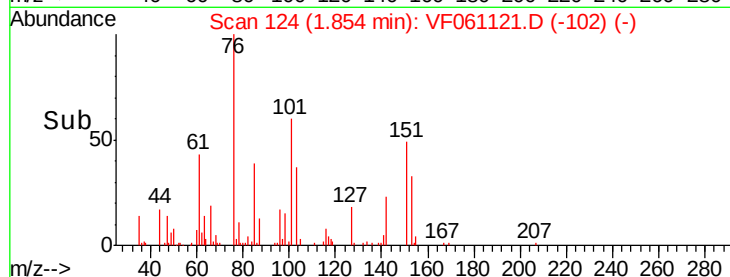
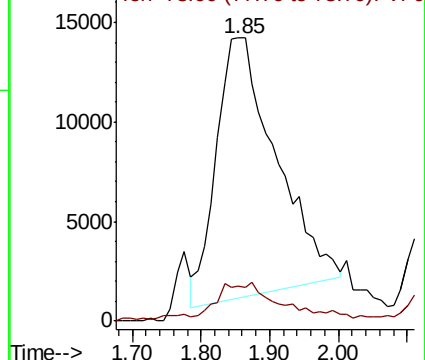
76 100

78 12.3 10.2 15.4



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 20.949 ug/l

RT: 2.37 min Scan# 176

Delta R.T. 0.02 min

Lab File: VF061121.D

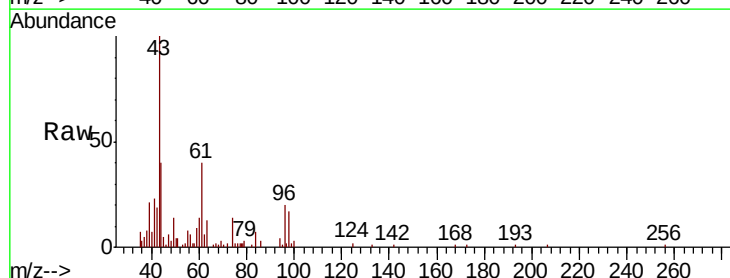
Acq: 21 Dec 2018 12:53

Tgt Ion: 43 Resp: 23568

Ion Ratio Lower Upper

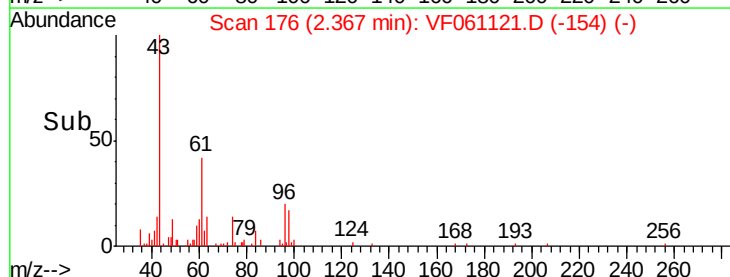
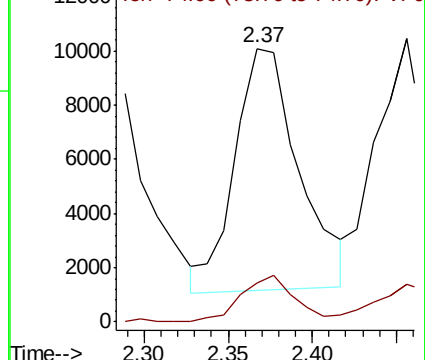
43 100

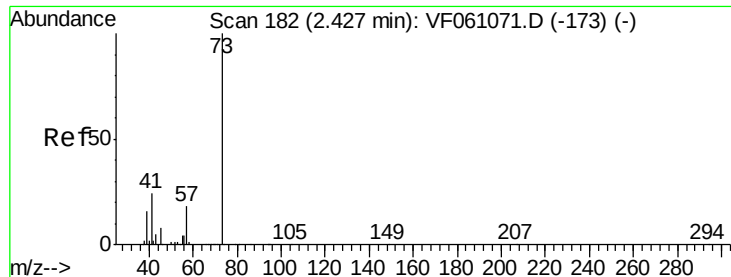
74 14.1 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



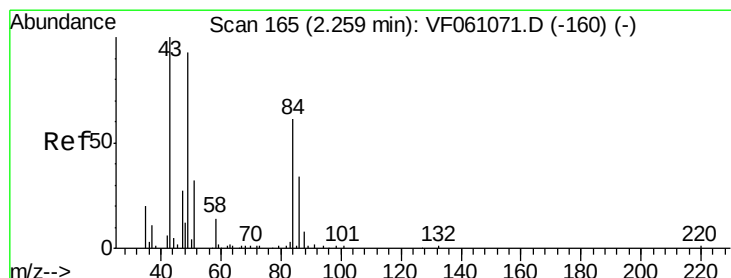
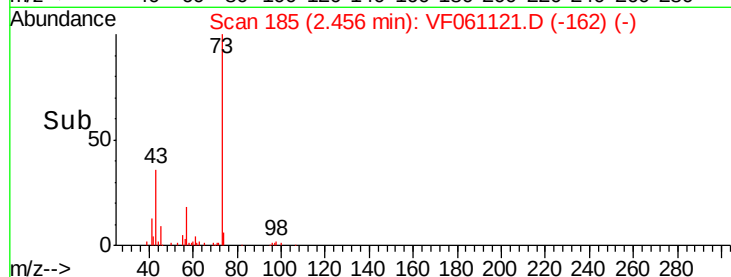
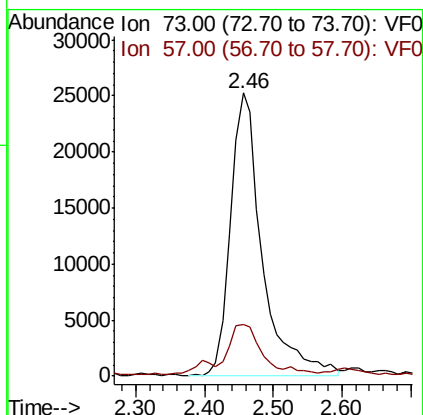
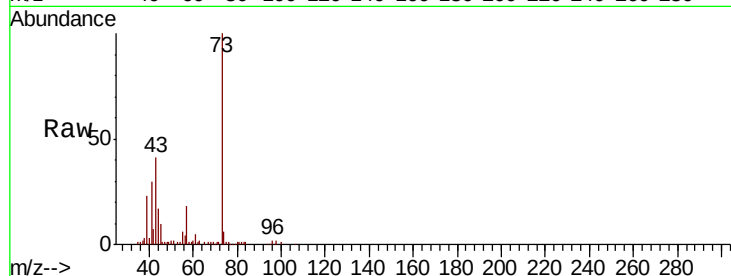


#19

Methyl tert-butyl Ether
 Concen: 19.561 ug/l
 RT: 2.46 min Scan# 185
 Delta R.T. 0.03 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

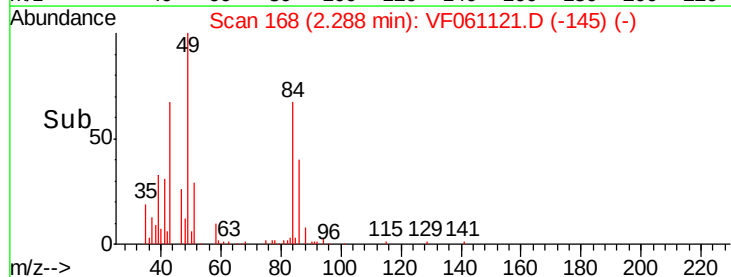
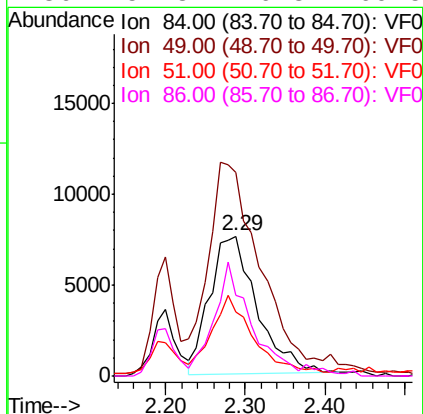
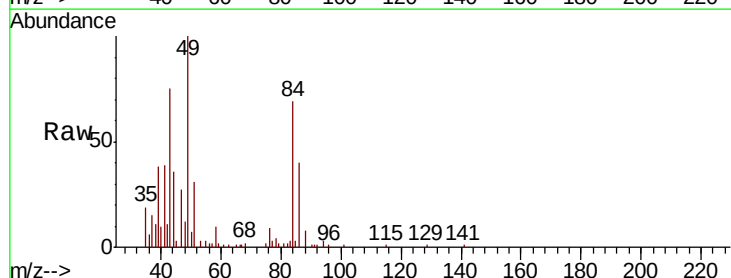
Tot Ion: 73 Resp: 80941
 Ion Ratio Lower Upper
 73 100
 57 18.3 14.5 21.7

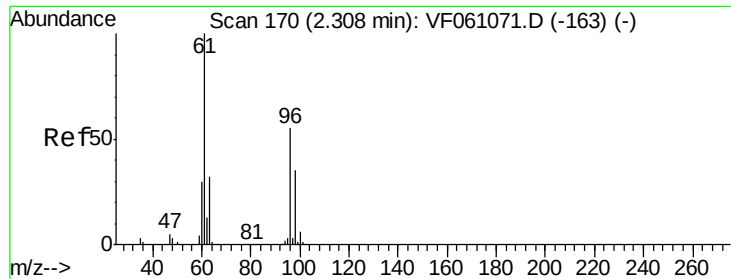


#20

Methylene Chloride
 Concen: 14.986 ug/l
 RT: 2.29 min Scan# 168
 Delta R.T. 0.03 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

Tgt Ion: 84 Resp: 31505
 Ion Ratio Lower Upper
 84 100
 49 145.3 129.4 194.2
 51 45.4 44.0 66.0
 86 57.8 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 7.954 ug/l

RT: 2.33 min Scan# 172

Delta R.T. 0.02 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

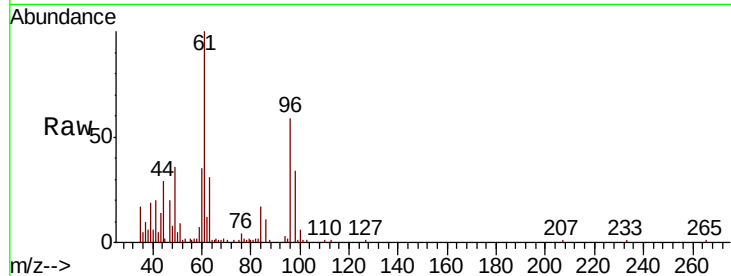
Tot Ion: 96 Resp: 15860

Ion Ratio Lower Upper

96 100

61 168.6 146.0 219.0

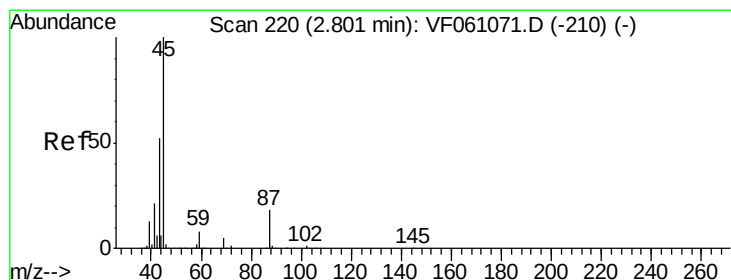
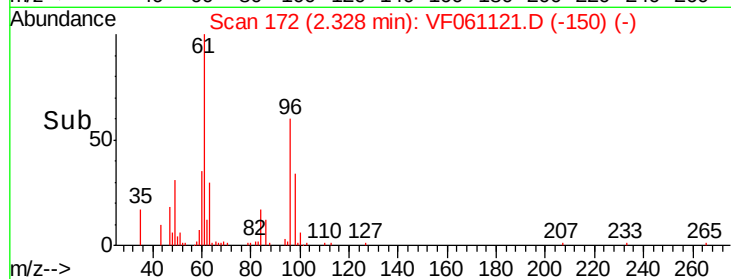
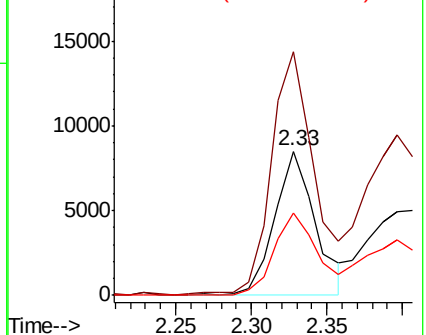
98 56.6 51.6 77.4



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: 20.825 ug/l

RT: 2.83 min Scan# 223

Delta R.T. 0.03 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Tgt Ion: 45 Resp: 134572

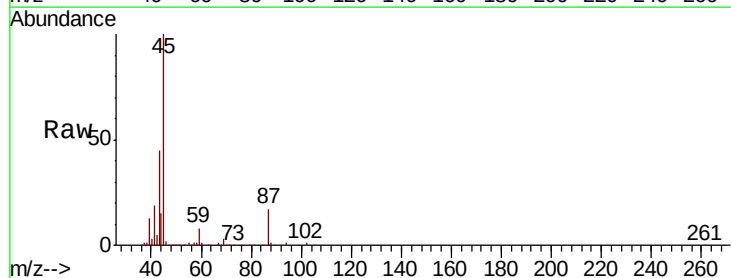
Ion Ratio Lower Upper

45 100

43 45.3 42.2 63.2

87 16.7 14.6 22.0

59 7.9 7.0 10.4

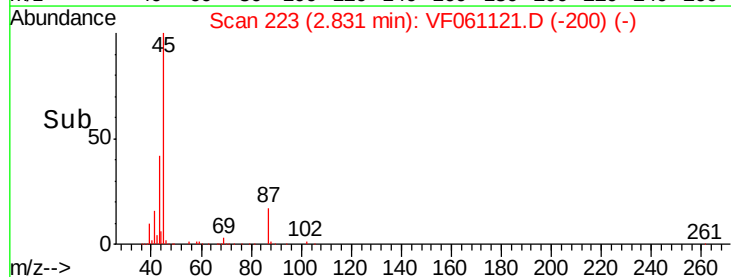
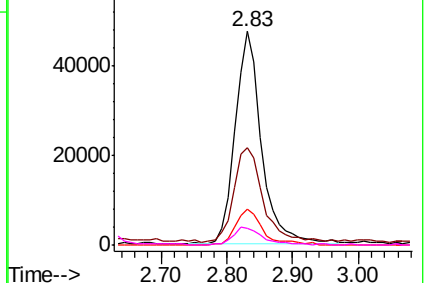


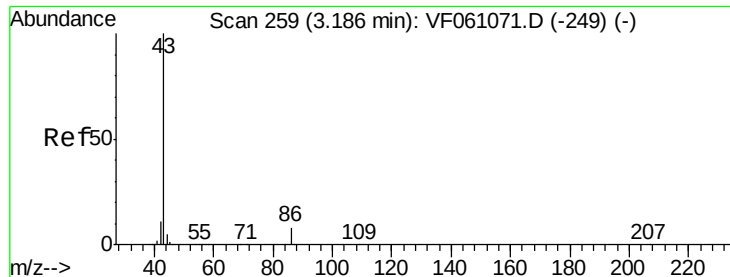
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 121.865 ug/l

RT: 3.22 min Scan# 262

Delta R.T. 0.03 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

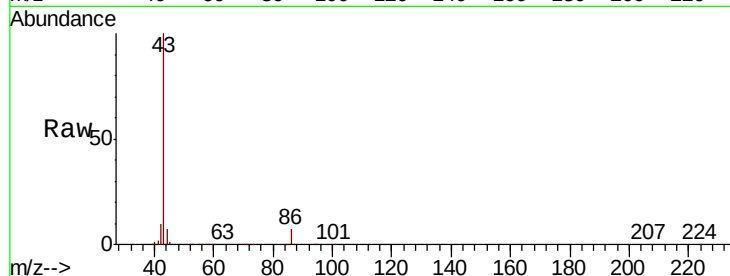
VF1221SBS01

Tot Ion: 43 Resp: 363299

Ion Ratio Lower Upper

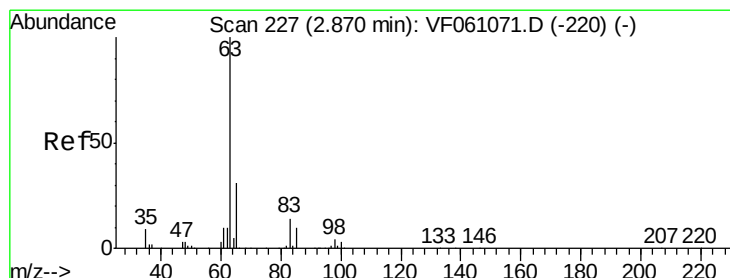
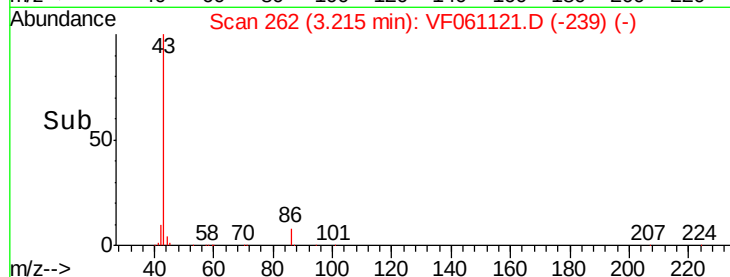
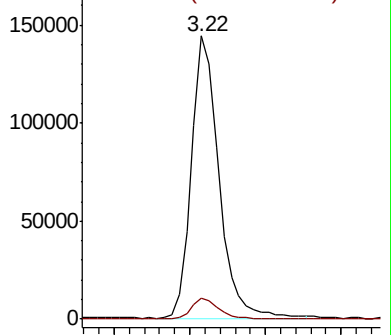
43 100

86 7.5 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: 17.724 ug/l

RT: 2.89 min Scan# 229

Delta R.T. 0.02 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

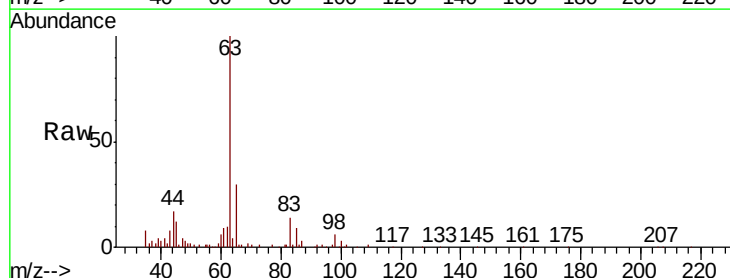
Tgt Ion: 63 Resp: 67863

Ion Ratio Lower Upper

63 100

98 5.5 2.1 6.5

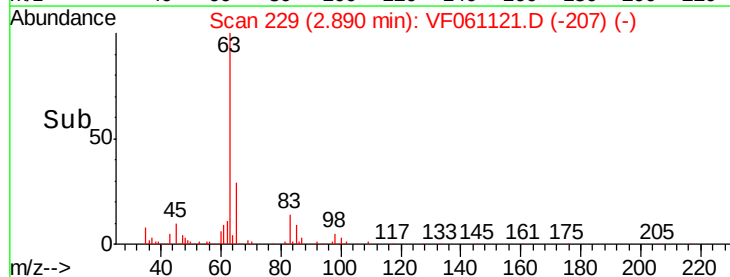
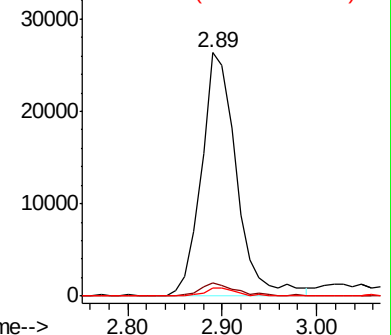
100 3.3 1.7 5.1

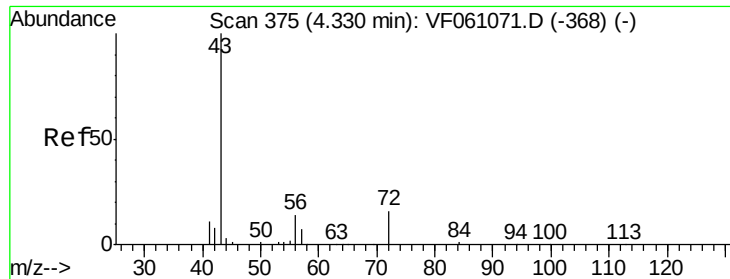


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 116.775 ug/l

RT: 4.38 min Scan# 380

Delta R.T. 0.05 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

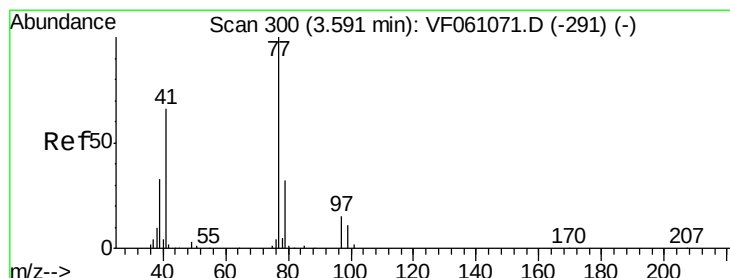
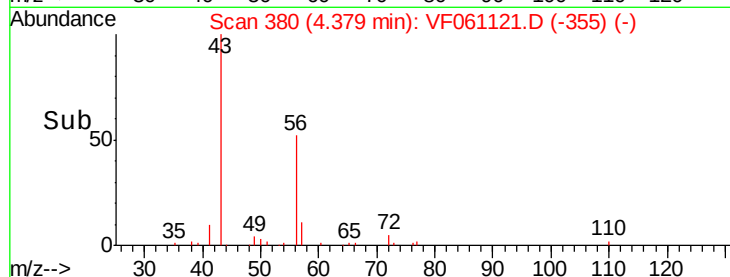
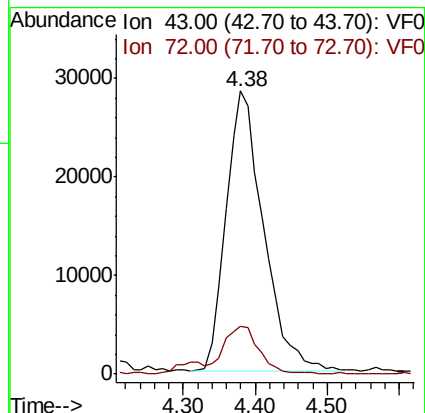
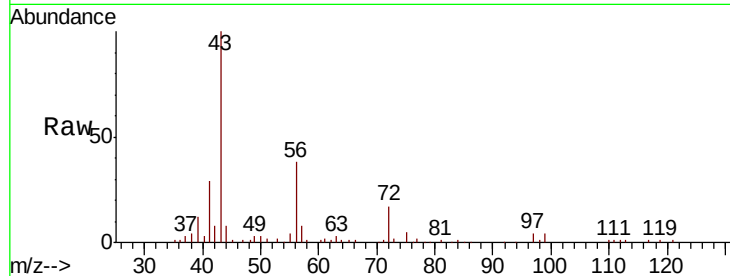
VF1221SBSD01

Tot Ion: 43 Resp: 102981

Ion Ratio Lower Upper

43 100

72 16.9 15.6 23.4



#26

2,2-Dichloropropane

Concen: 18.768 ug/l

RT: 3.63 min Scan# 304

Delta R.T. 0.04 min

Lab File: VF061121.D

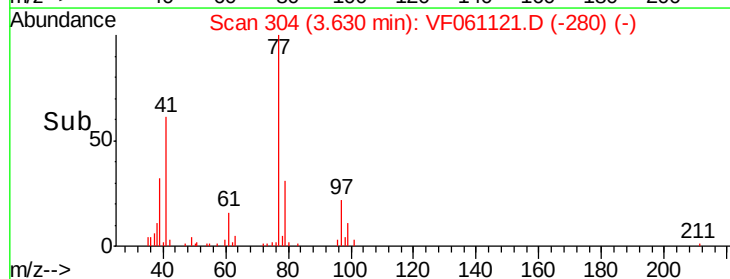
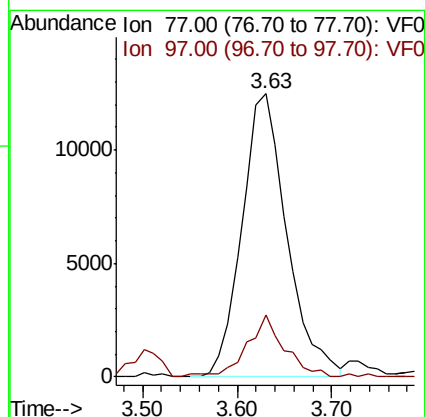
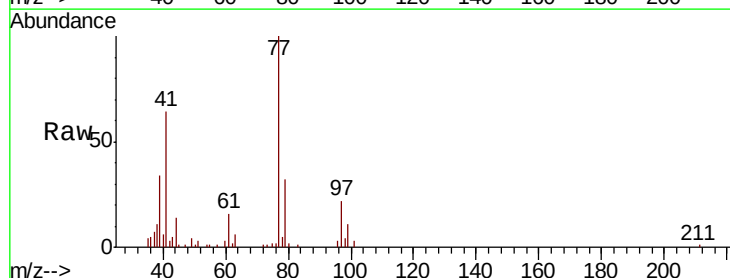
Acq: 21 Dec 2018 12:53

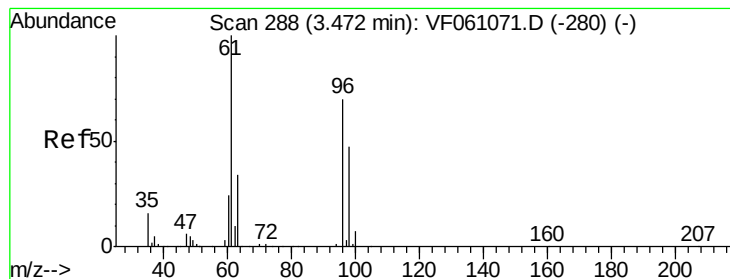
Tgt Ion: 77 Resp: 41238

Ion Ratio Lower Upper

77 100

97 21.7 8.2 24.4



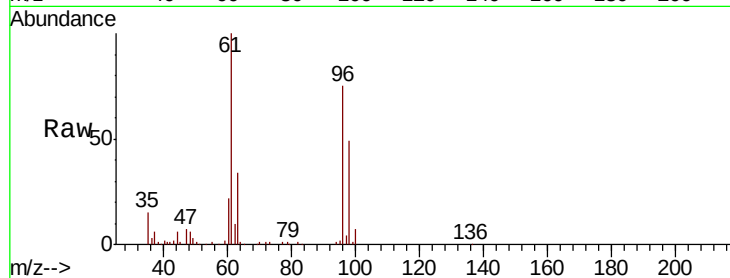


#27

cis-1,2-Dichloroethene
 Concen: 20.715 ug/l
 RT: 3.50 min Scan# 291
 Delta R.T. 0.03 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.2	0.0	287.8
98	65.6	0.0	134.2

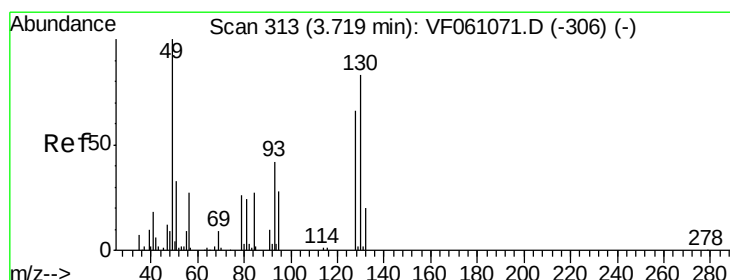
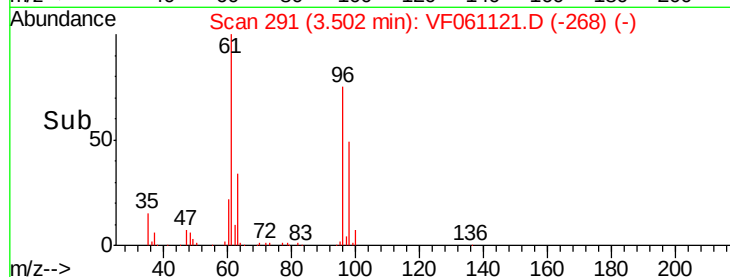
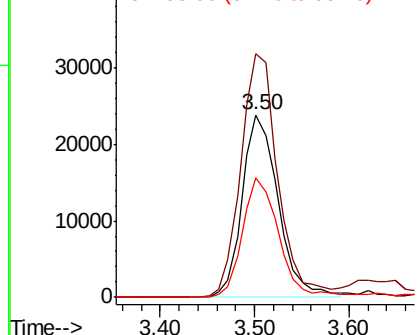


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

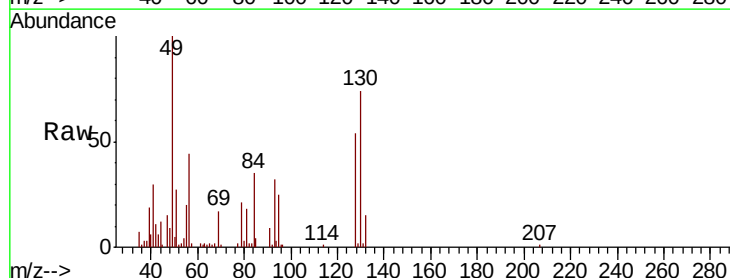
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
 Concen: 22.512 ug/l
 RT: 3.75 min Scan# 316
 Delta R.T. 0.03 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	73.9	65.8	98.6

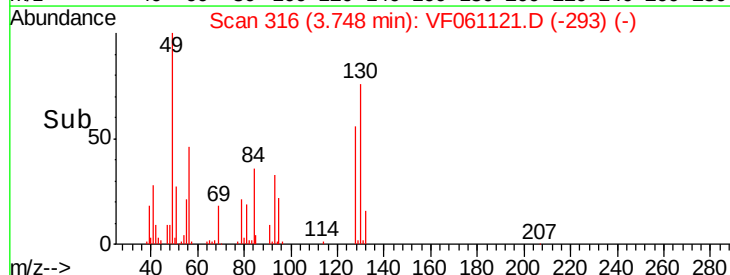
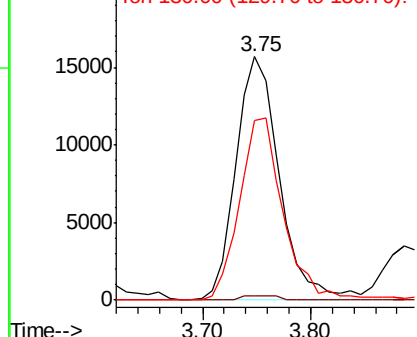


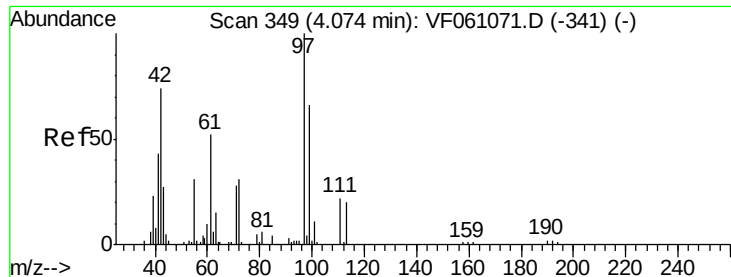
Abundance

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: 126.684 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.04 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

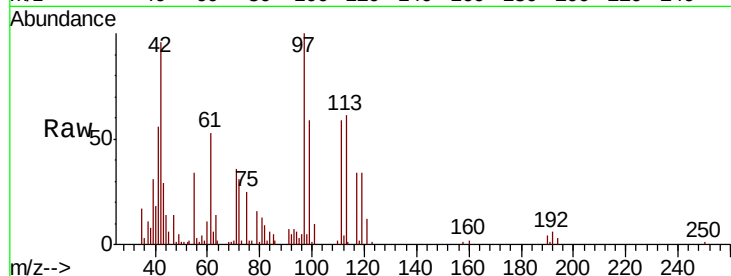
Tot Ion: 42 Resp: 45471

Ion Ratio Lower Upper

42 100

72 34.6 31.8 47.8

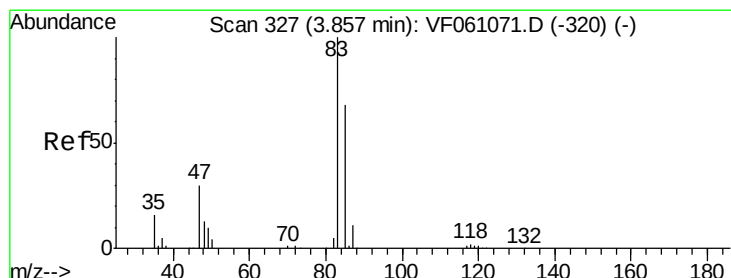
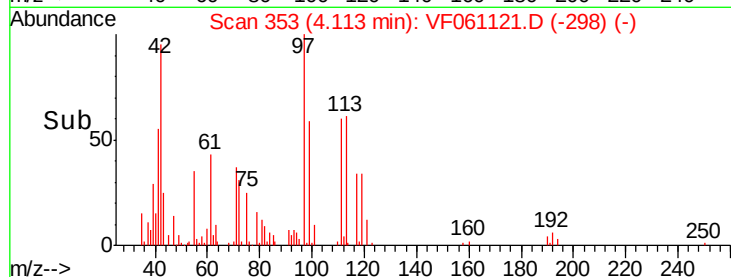
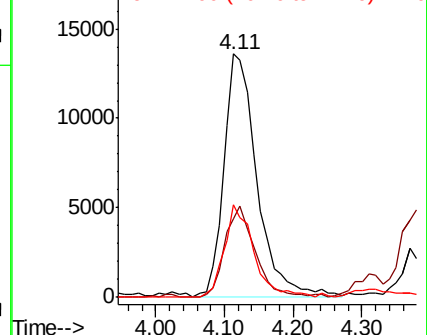
71 33.6 29.7 44.5



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: 19.293 ug/l

RT: 3.90 min Scan# 331

Delta R.T. 0.04 min

Lab File: VF061121.D

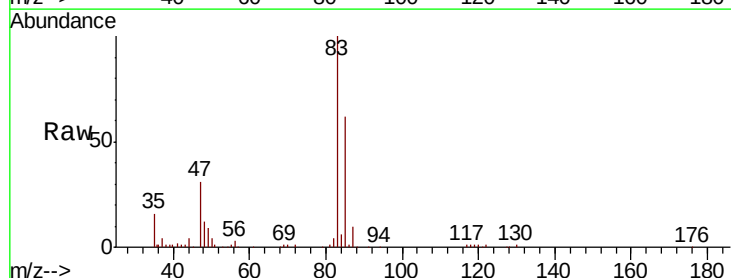
Acq: 21 Dec 2018 12:53

Tgt Ion: 83 Resp: 110762

Ion Ratio Lower Upper

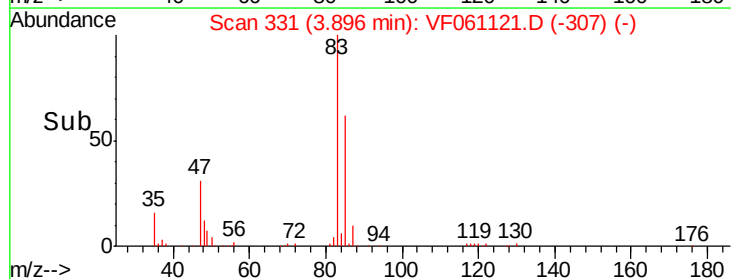
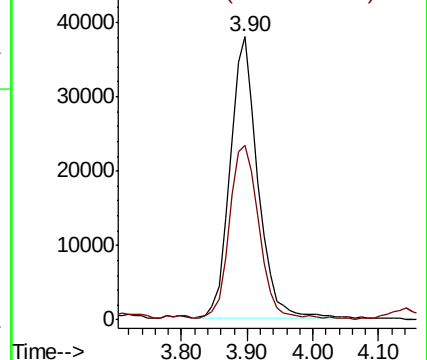
83 100

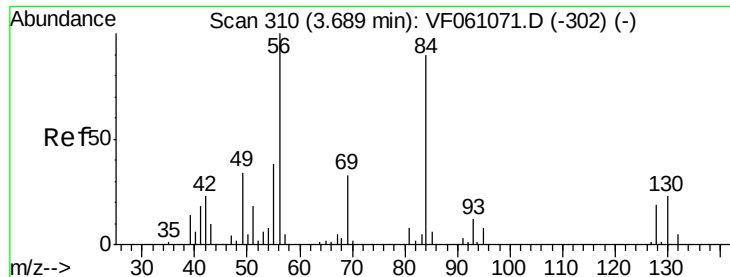
85 61.7 54.5 81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

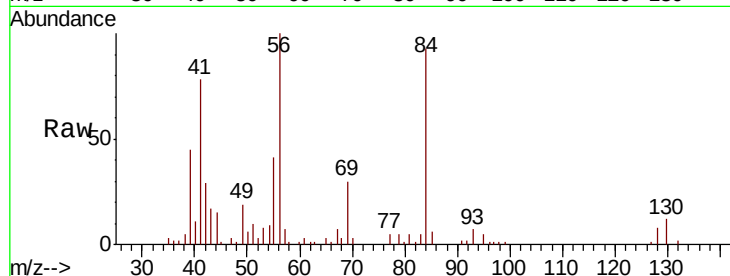




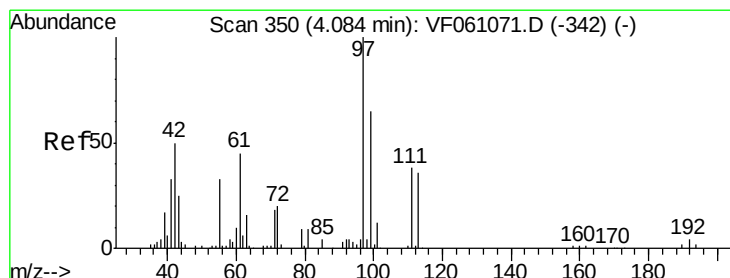
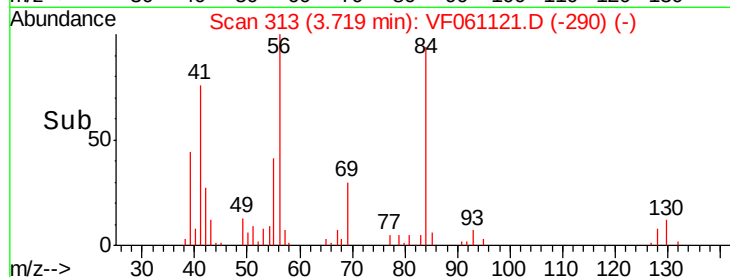
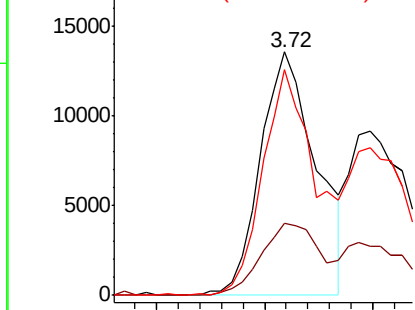
#31
Cyclohexane
Concen: 12.226 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.03 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tot Ion: 56 Resp: 48576
Ion Ratio Lower Upper
56 100
69 29.5 26.0 39.0
84 92.8 71.4 107.2

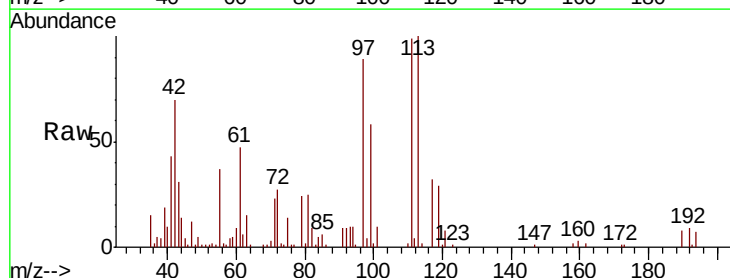


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

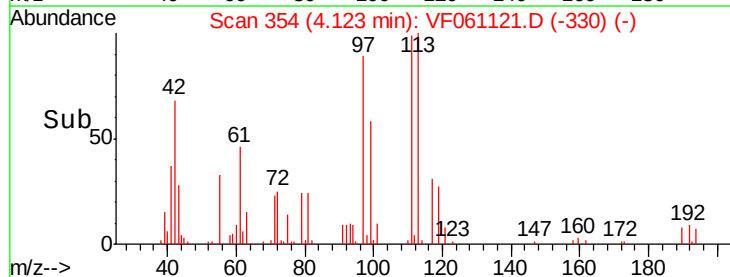
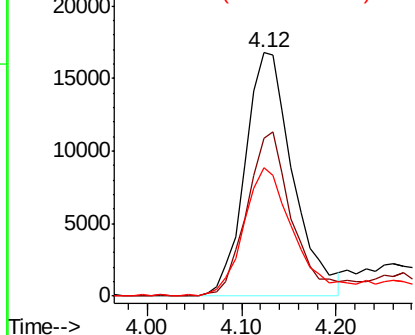


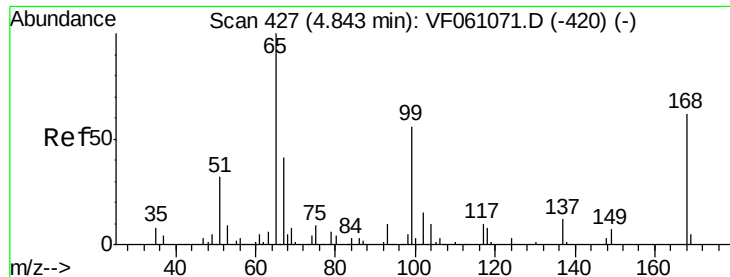
#32
1,1,1-Trichloroethane
Concen: 17.196 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.04 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

Tgt Ion: 97 Resp: 59172
Ion Ratio Lower Upper
97 100
99 65.0 51.6 77.4
61 52.6 36.2 54.2



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

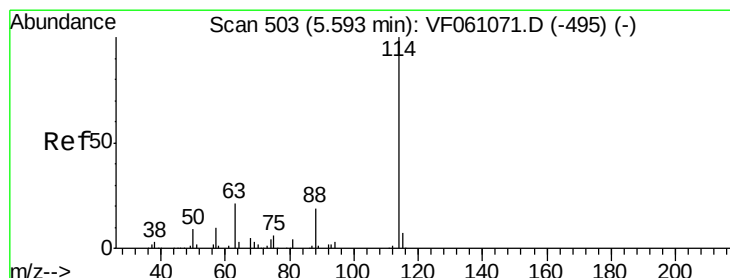
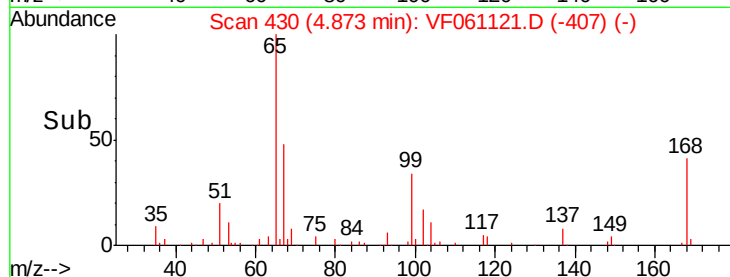
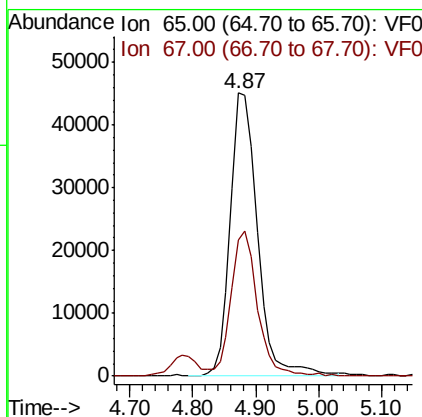
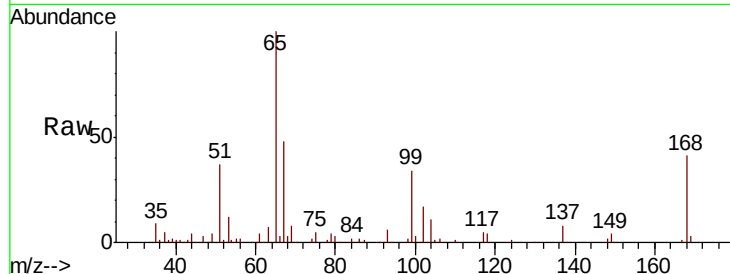




#33
 1,2-Dichloroethane-d4
 Concen: 49.202 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. 0.03 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

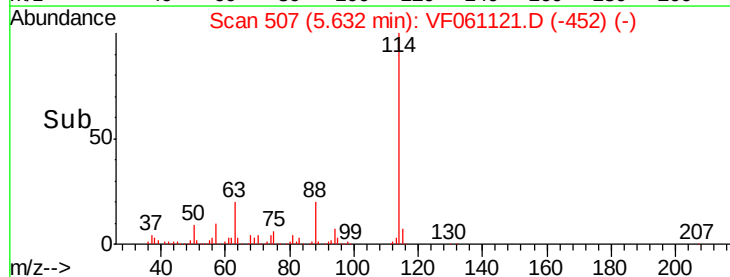
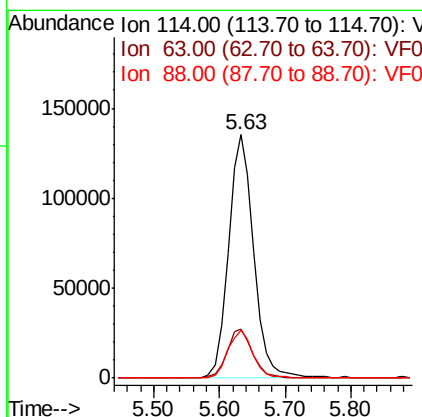
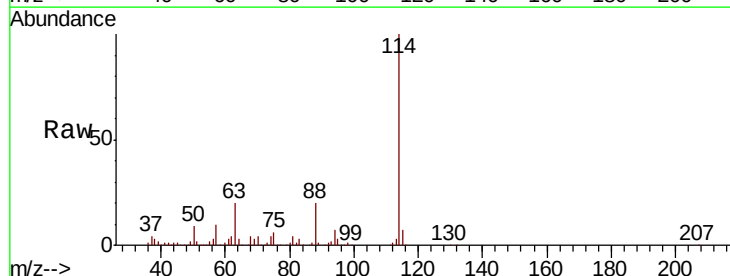
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

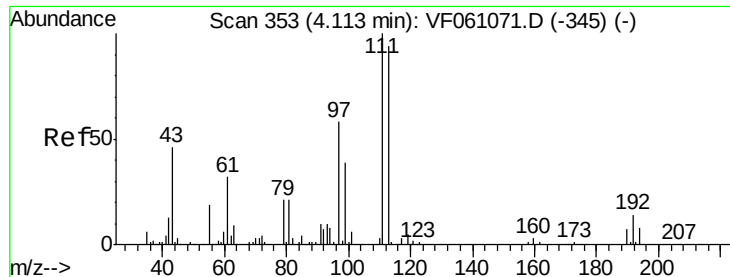
Tot Ion: 65 Resp: 133831
 Ion Ratio Lower Upper
 65 100
 67 47.9 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 507
 Delta R.T. 0.04 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

Tgt Ion: 114 Resp: 361459
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.6
 88 19.6 0.0 38.0

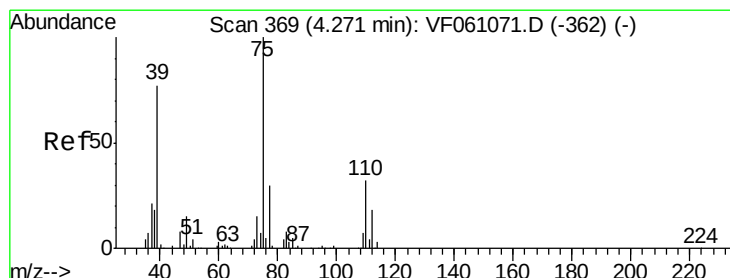
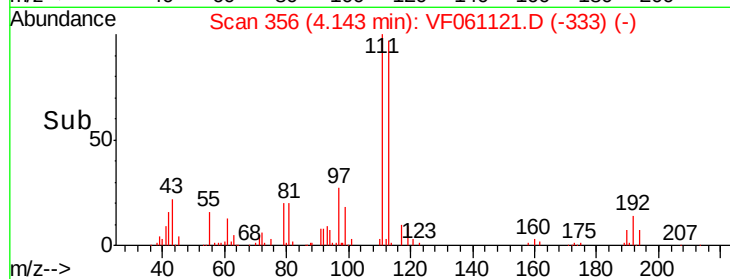
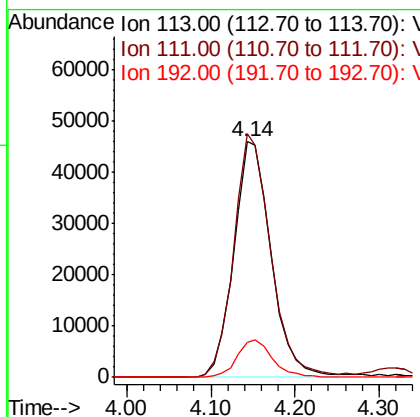
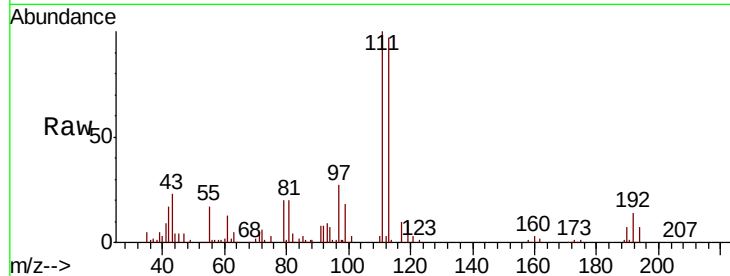




#35
 Dibromofluoromethane
 Concen: 49.060 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. 0.03 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

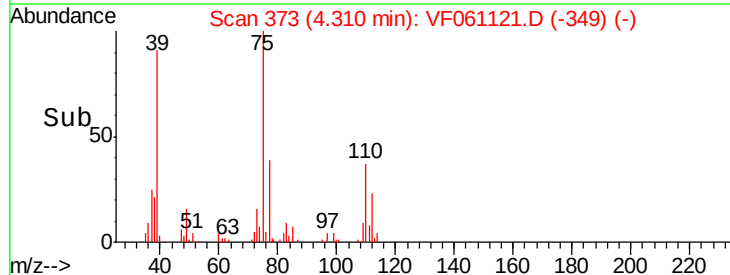
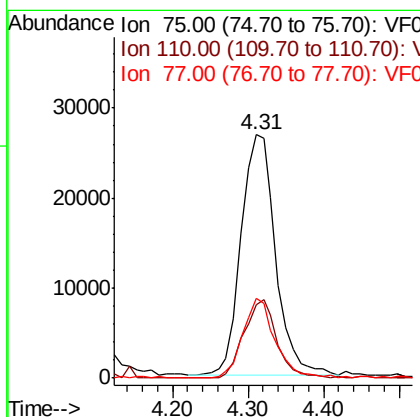
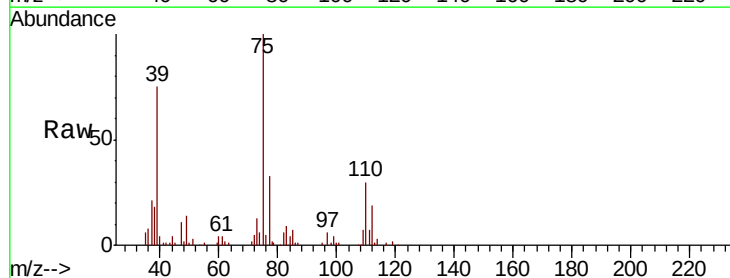
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBSD01

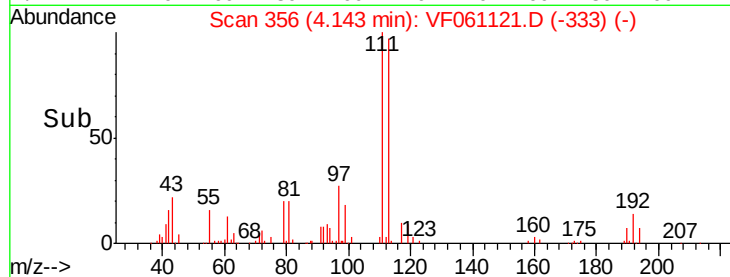
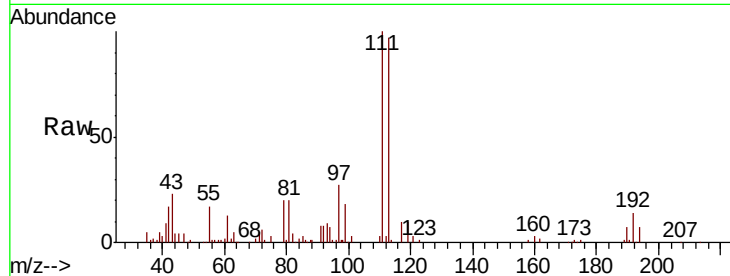
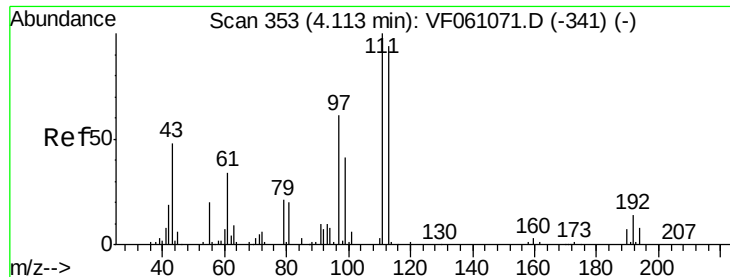
Tot Ion:113 Resp: 142052
 Ion Ratio Lower Upper
 113 100
 111 103.4 85.2 127.8
 192 15.1 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 19.436 ug/l
 RT: 4.31 min Scan# 373
 Delta R.T. 0.04 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

Tgt Ion: 75 Resp: 84800
 Ion Ratio Lower Upper
 75 100
 110 30.0 16.1 48.2
 77 32.5 24.5 36.7





#37

Ethyl Acetate

Concen: 23.062 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.03 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

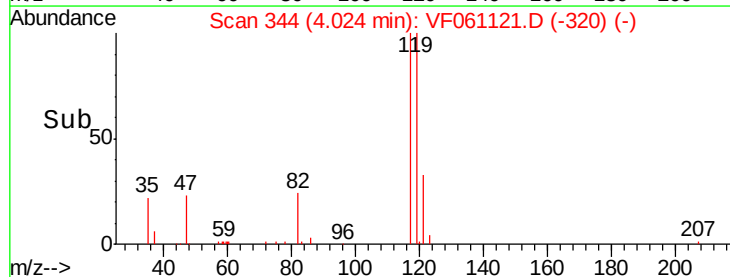
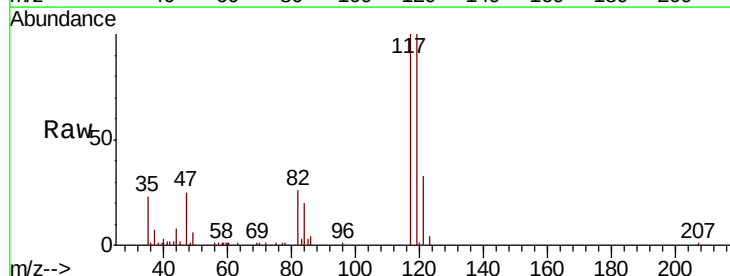
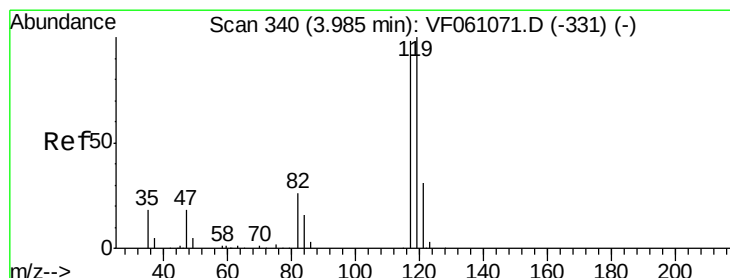
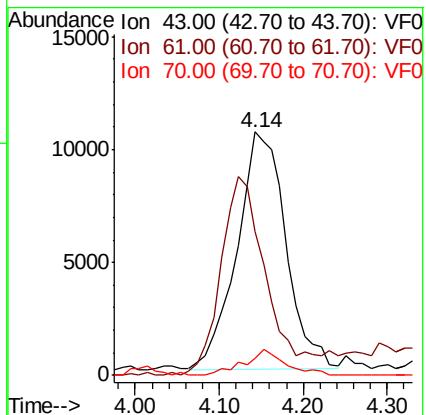
Tot Ion: 43 Resp: 42936

Ion Ratio Lower Upper

43 100

61 59.3 56.6 84.8

70 6.8 6.3 9.5



#38

Carbon Tetrachloride

Concen: 18.607 ug/l

RT: 4.02 min Scan# 344

Delta R.T. 0.04 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

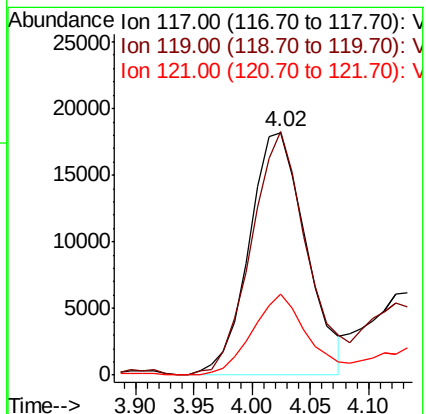
Tgt Ion: 117 Resp: 61826

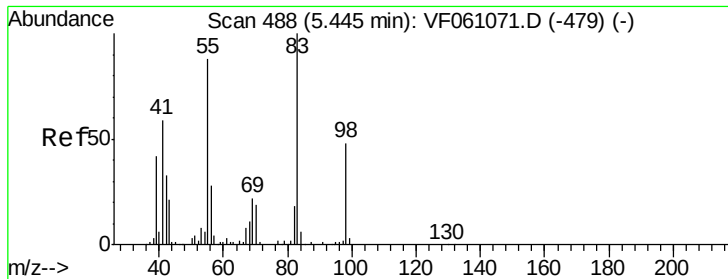
Ion Ratio Lower Upper

117 100

119 100.4 82.1 123.1

121 33.5 25.5 38.3

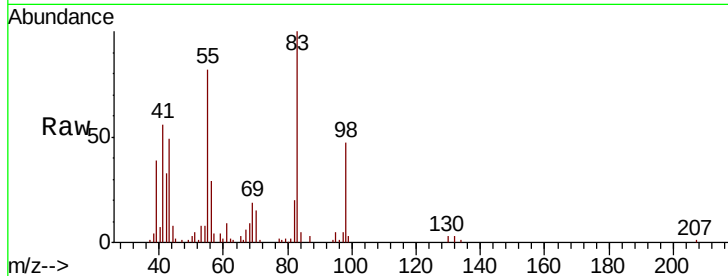




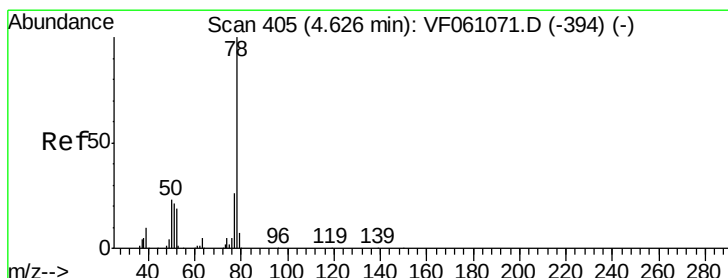
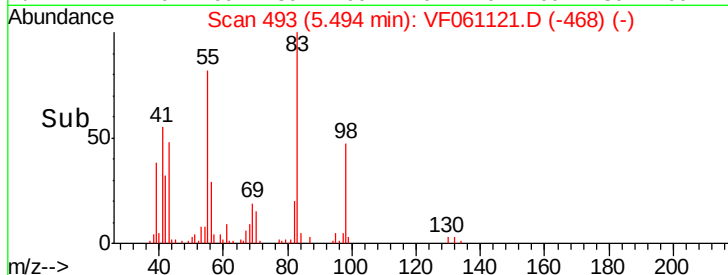
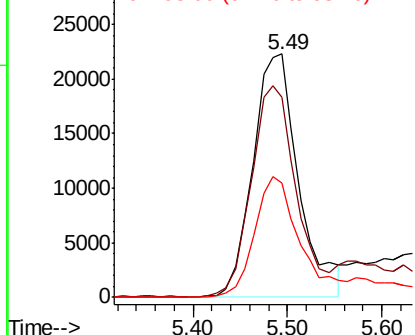
#39
Methylvlcyclohexane
Concen: 19.207 ug/l
RT: 5.49 min Scan# 493
Delta R.T. 0.05 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tot Ion: 83 Resp: 75180
Ion Ratio Lower Upper
83 100
55 82.2 70.6 105.8
98 47.2 38.5 57.7

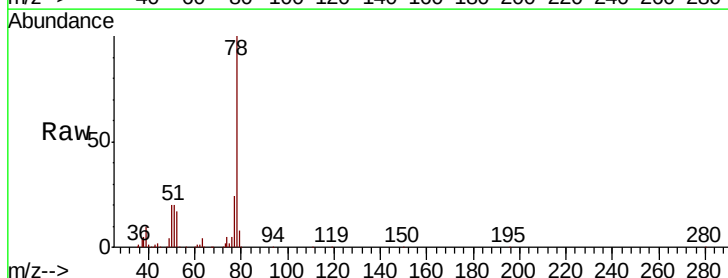


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

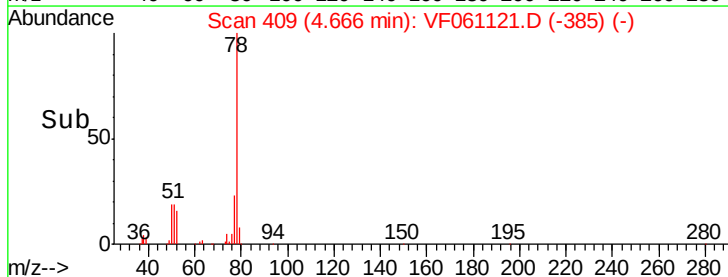
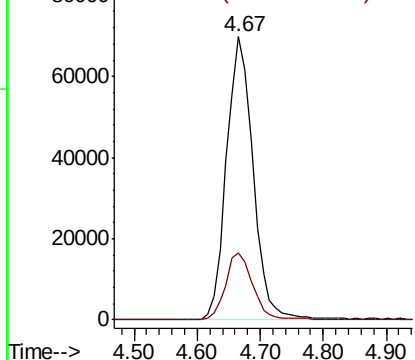


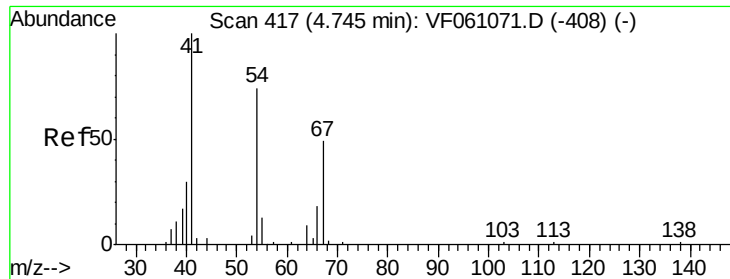
#40
Benzene
Concen: 21.753 ug/l
RT: 4.67 min Scan# 409
Delta R.T. 0.04 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

Tgt Ion: 78 Resp: 204100
Ion Ratio Lower Upper
78 100
77 23.8 20.7 31.1



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

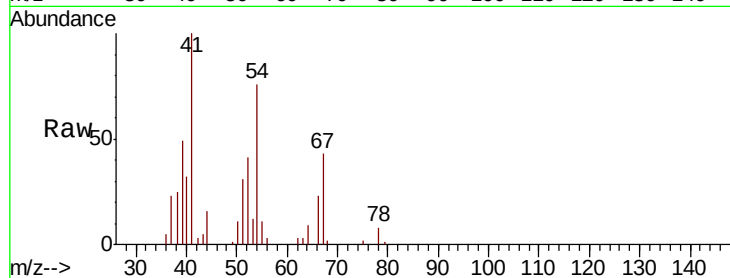




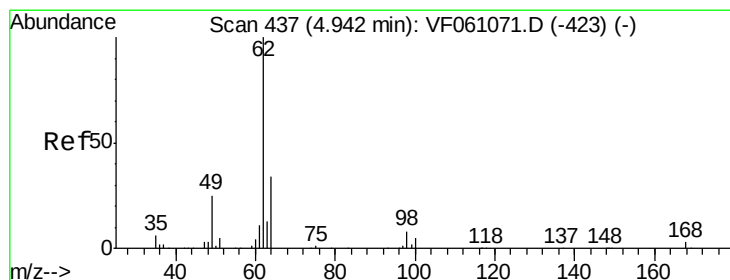
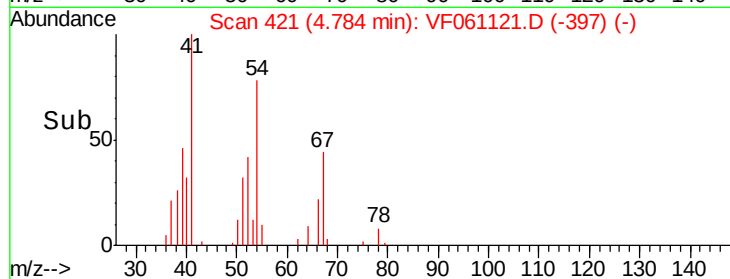
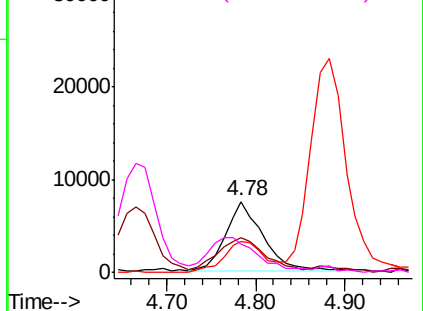
#41
Methacrylonitrile
Concen: 23.629 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.04 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tot Ion:	41	Resp:	21773
Ion	Ratio	Lower	Upper
41	100		
39	49.1	45.7	68.5
67	43.2	38.9	58.3
52	40.7	35.2	52.8

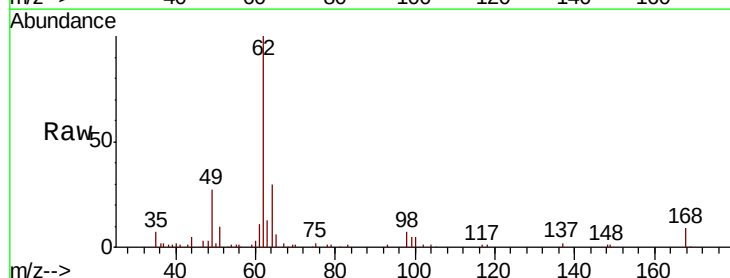


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

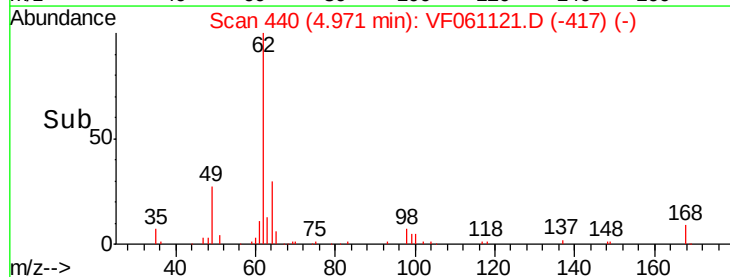
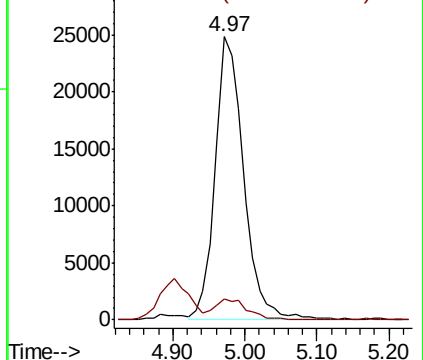


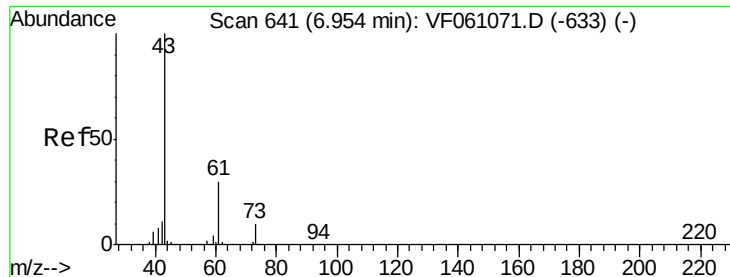
#42
1,2-Dichloroethane
Concen: 19.131 ug/l
RT: 4.97 min Scan# 440
Delta R.T. 0.03 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

Tgt Ion:	62	Resp:	68188
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	16.6



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 24.965 ug/l

RT: 6.99 min Scan# 645

Delta R.T. 0.04 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

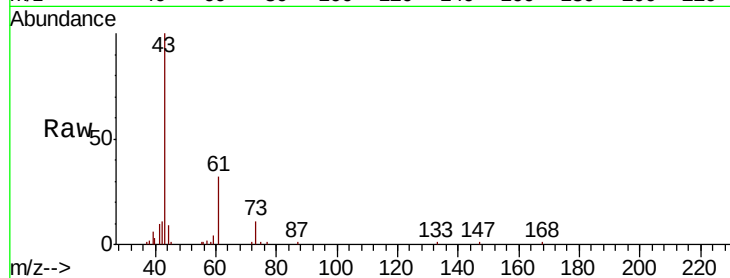
Tot Ion: 43 Resp: 52593

Ion Ratio Lower Upper

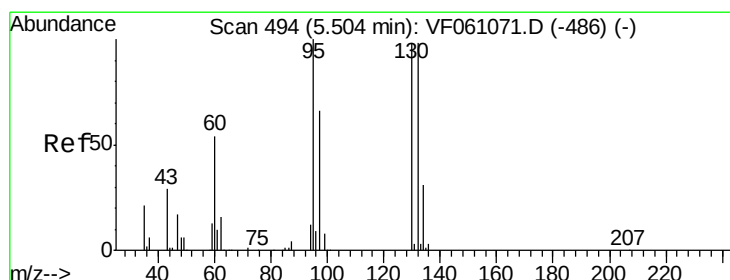
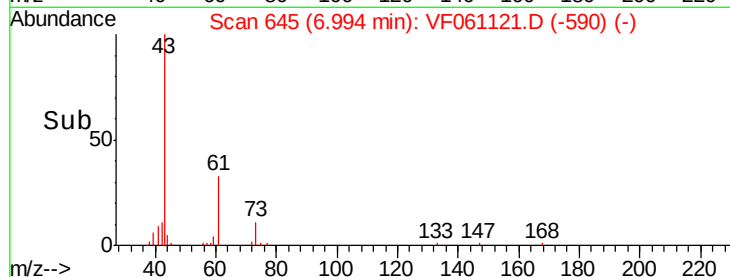
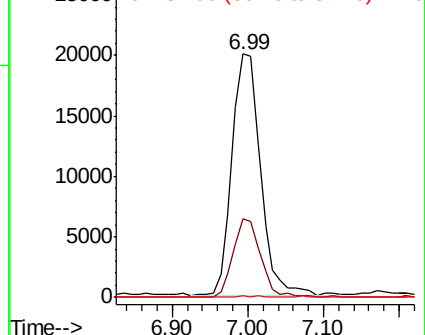
43 100

61 32.1 23.8 35.8

87 0.7 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: 21.250 ug/l

RT: 5.53 min Scan# 497

Delta R.T. 0.03 min

Lab File: VF061121.D

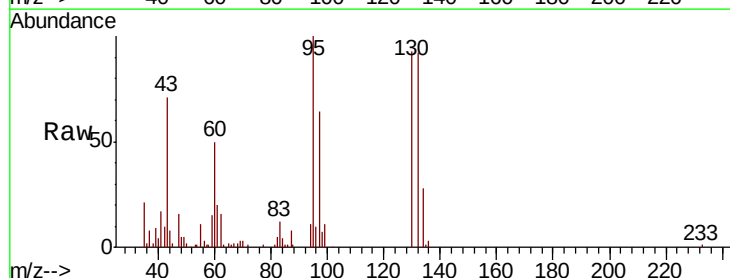
Acq: 21 Dec 2018 12:53

Tgt Ion:130 Resp: 62861

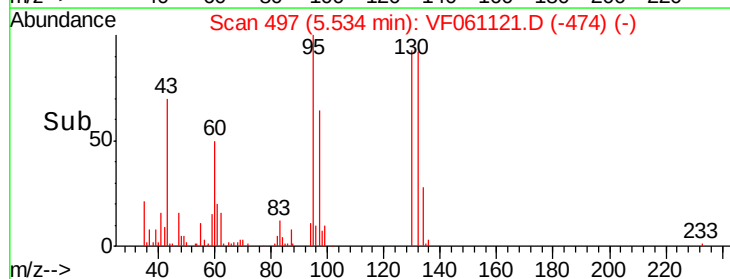
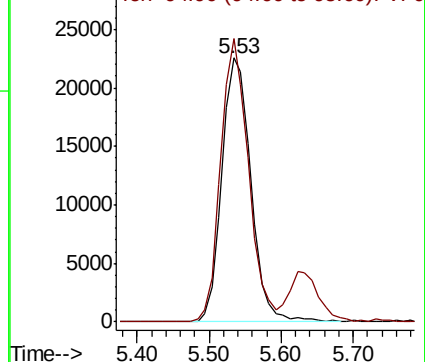
Ion Ratio Lower Upper

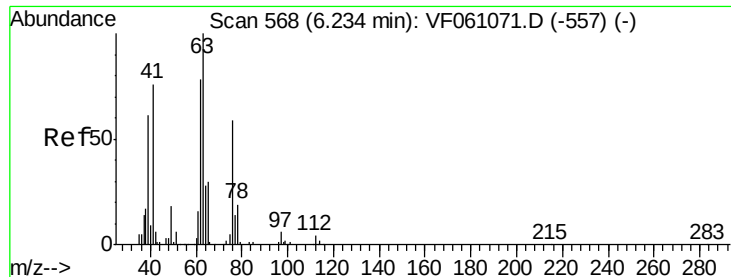
130 100

95 107.4 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: 20.956 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.03 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

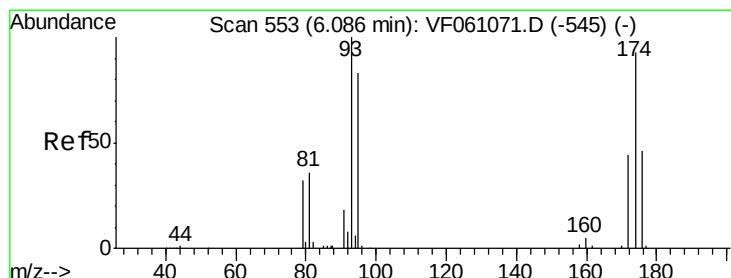
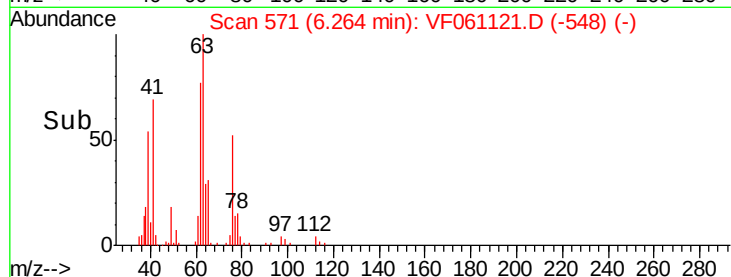
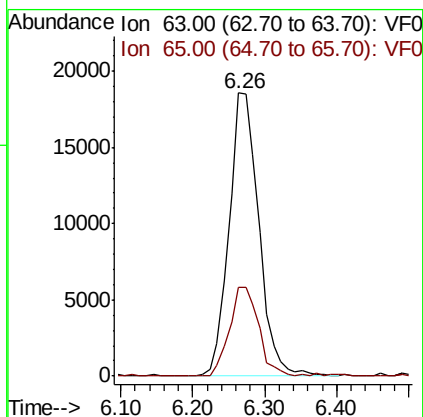
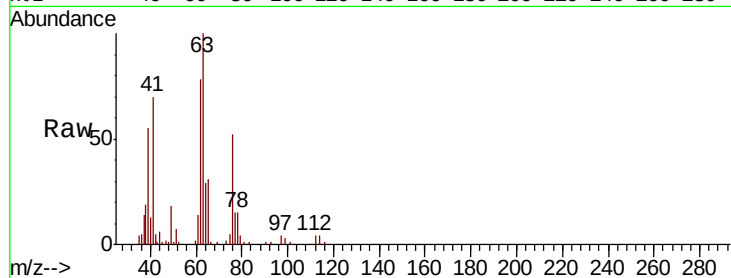
VF1221SBS01

Tot Ion: 63 Resp: 53495

Ion Ratio Lower Upper

63 100

65 31.4 24.4 36.6



#46

Dibromomethane

Concen: 21.527 ug/l

RT: 6.12 min Scan# 556

Delta R.T. 0.03 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

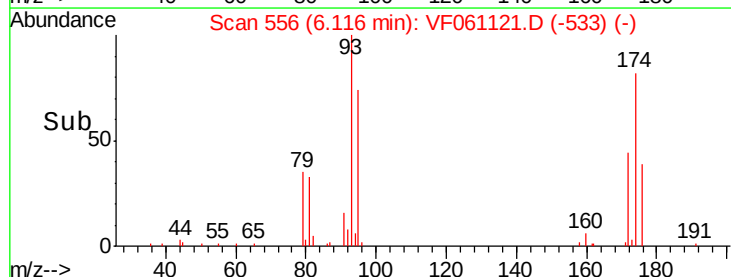
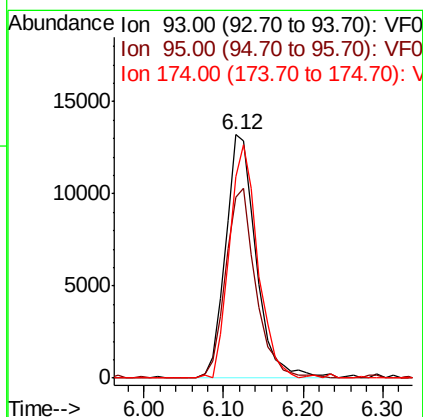
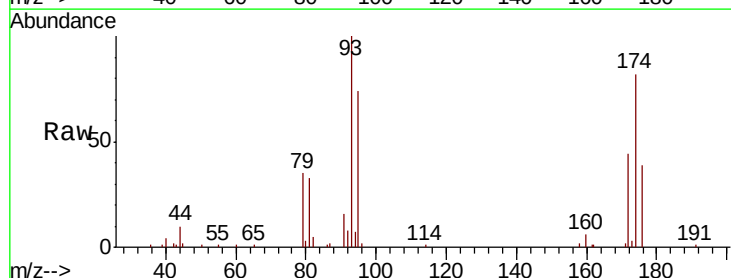
Tgt Ion: 93 Resp: 35642

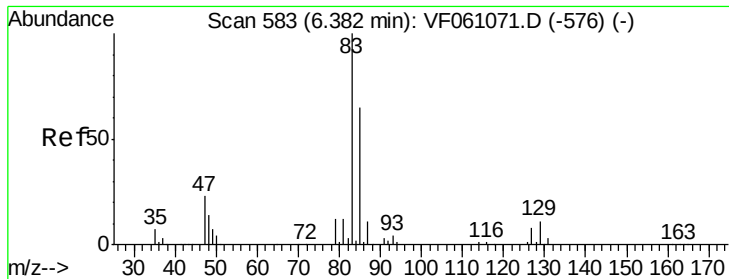
Ion Ratio Lower Upper

93 100

95 74.4 66.9 100.3

174 82.5 74.1 111.1





#47

Bromodichloromethane

Concen: 20.557 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.04 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

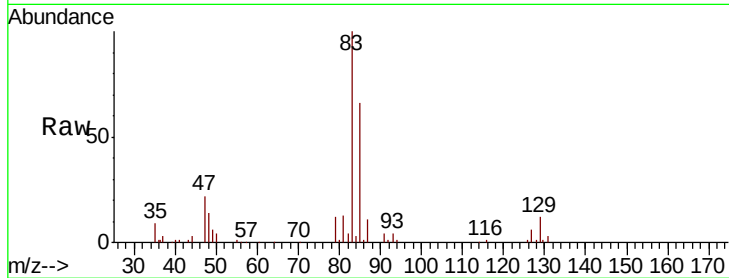
Tot Ion: 83 Resp: 88433

Ion Ratio Lower Upper

83 100

85 65.7 52.2 78.4

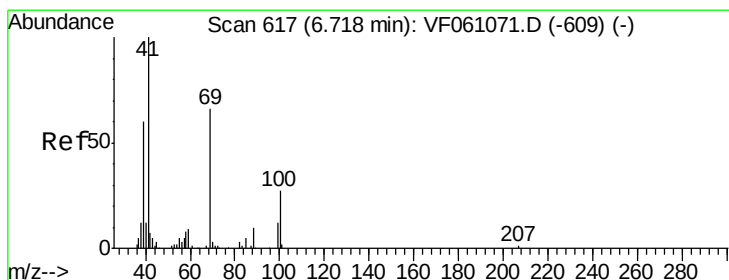
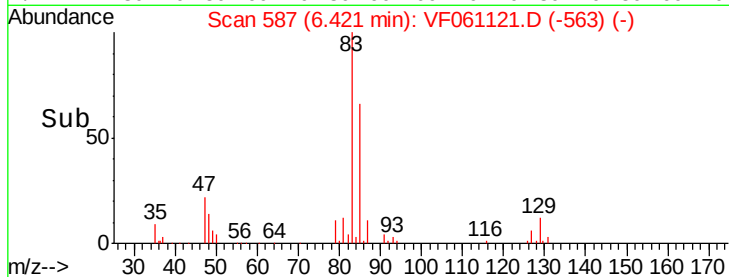
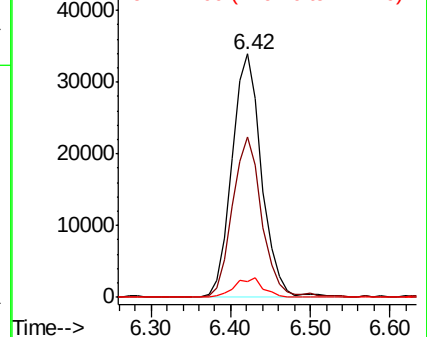
127 6.3 6.1 9.1



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: 22.610 ug/l

RT: 6.76 min Scan# 621

Delta R.T. 0.04 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

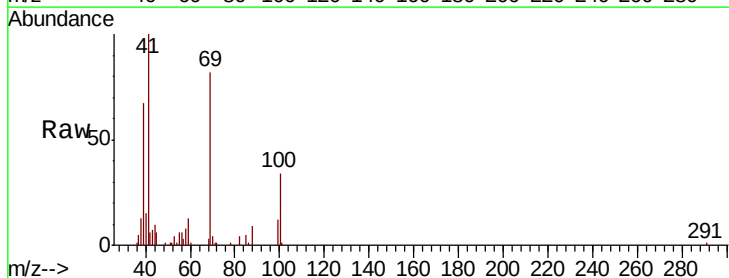
Tgt Ion: 41 Resp: 33252

Ion Ratio Lower Upper

41 100

69 82.1 52.7 79.1#

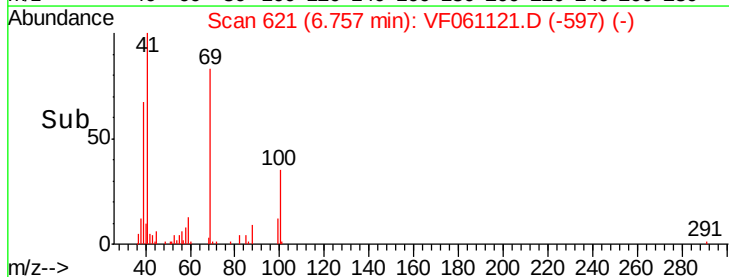
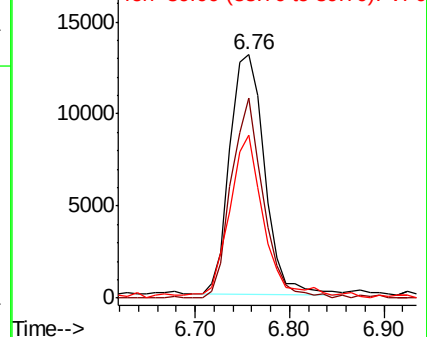
39 67.1 47.8 71.6

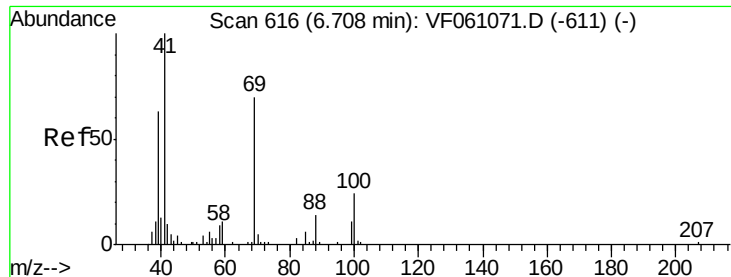


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

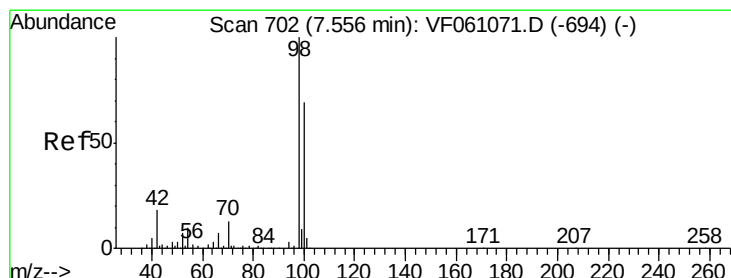
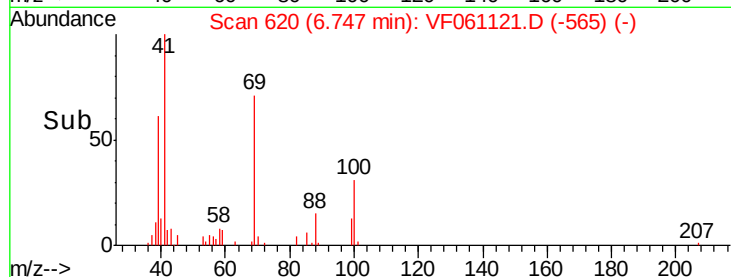
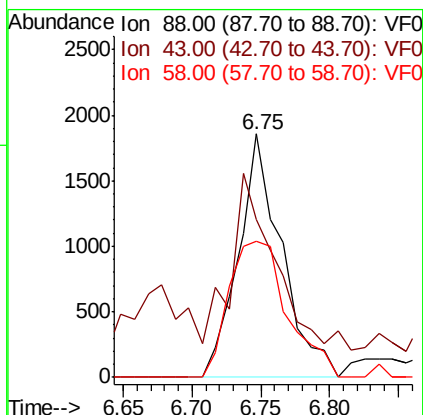
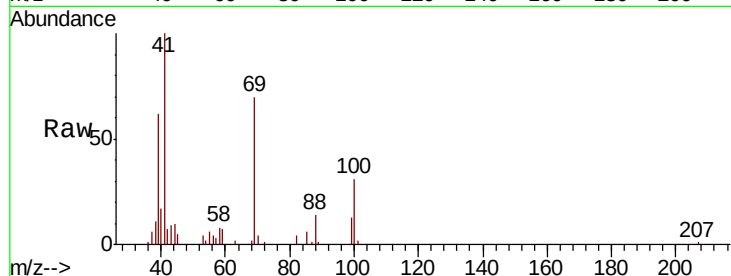




#49
1,4-Dioxane
Concen: 379.332 ug/l
RT: 6.75 min Scan# 620
Delta R.T. 0.04 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

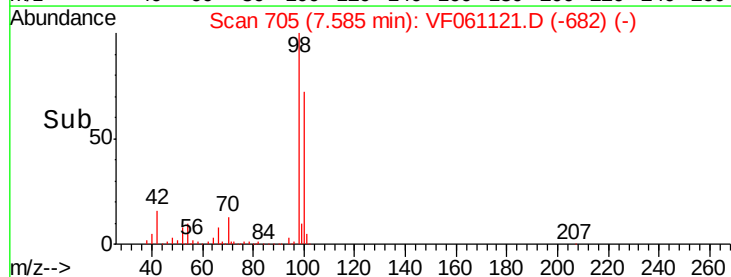
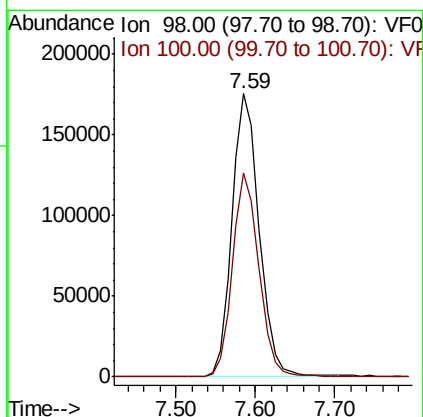
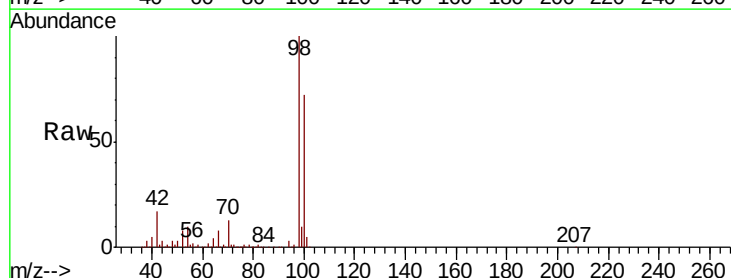
Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

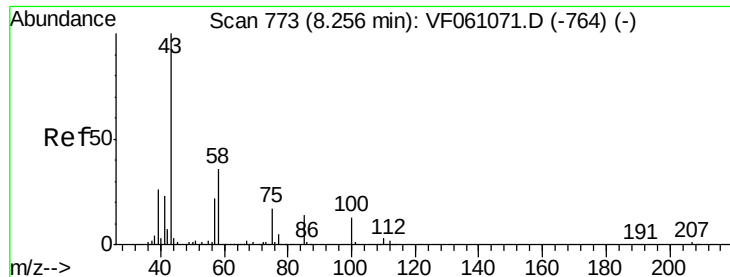
Tot Ion: 88 Resp: 4048
Ion Ratio Lower Upper
88 100
43 64.8 33.3 49.9#
58 56.0 53.2 79.8



#50
Toluene-d8
Concen: 51.117 ug/l
RT: 7.59 min Scan# 705
Delta R.T. 0.03 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

Tgt Ion: 98 Resp: 419442
Ion Ratio Lower Upper
98 100
100 72.1 55.3 82.9





#51

4-Methyl-2-Pentanone

Concen: 119.719 ug/l

RT: 8.30 min Scan# 777

Delta R.T. 0.04 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

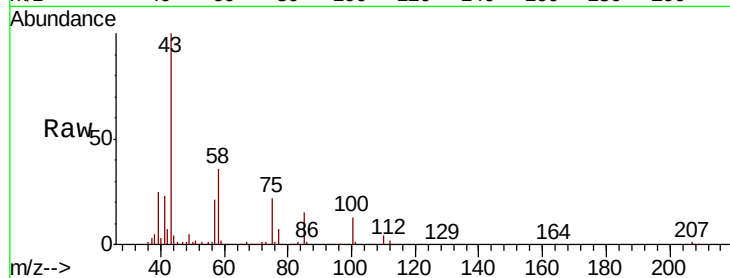
VF1221SBS01

Tot Ion: 43 Resp: 172973

Ion Ratio Lower Upper

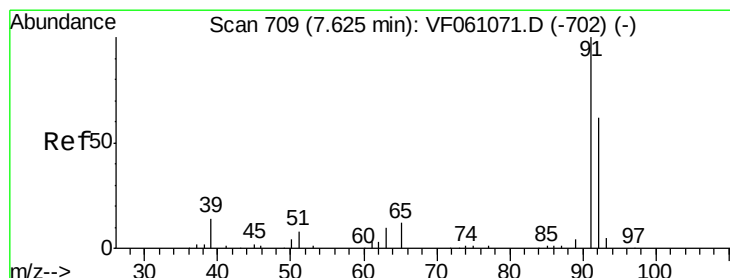
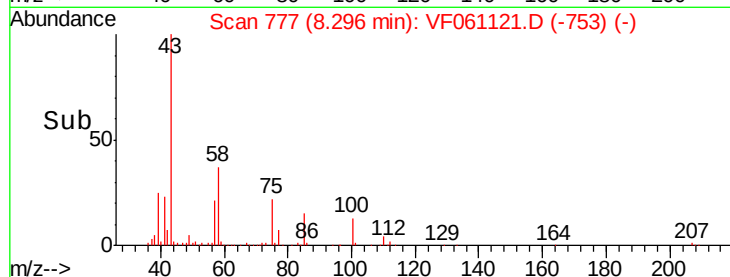
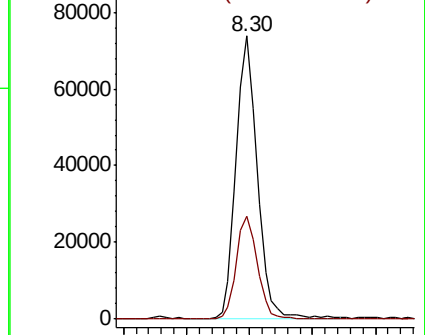
43 100

58 36.5 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: 21.722 ug/l

RT: 7.65 min Scan# 712

Delta R.T. 0.03 min

Lab File: VF061121.D

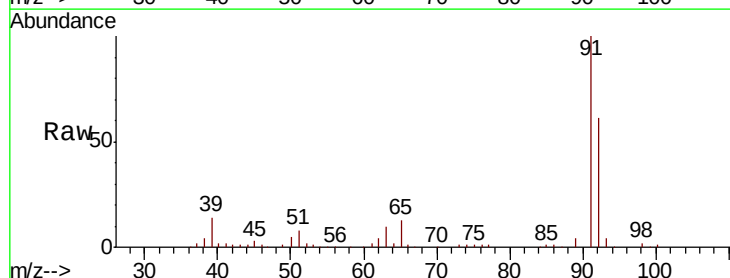
Acq: 21 Dec 2018 12:53

Tgt Ion: 92 Resp: 134916

Ion Ratio Lower Upper

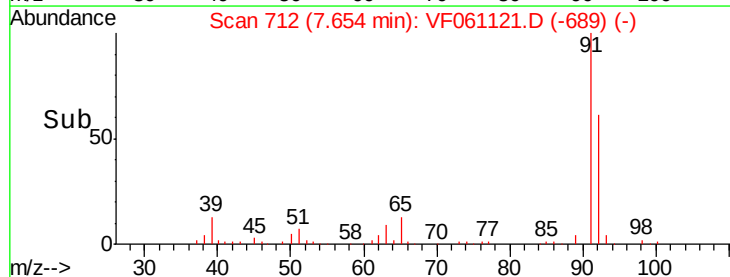
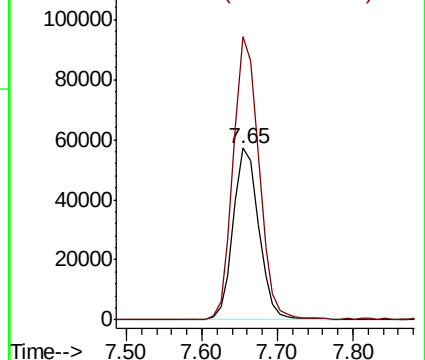
92 100

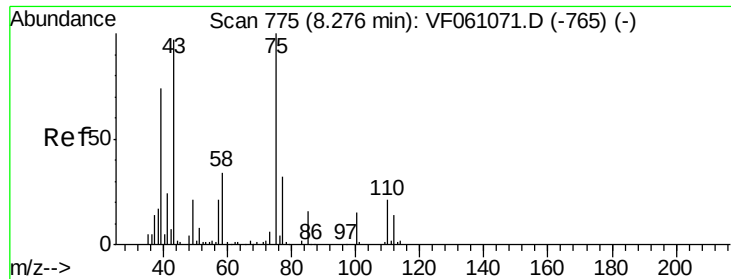
91 165.0 128.8 193.2



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: 21.382 ug/l

RT: 8.32 min Scan# 779

Delta R.T. 0.04 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

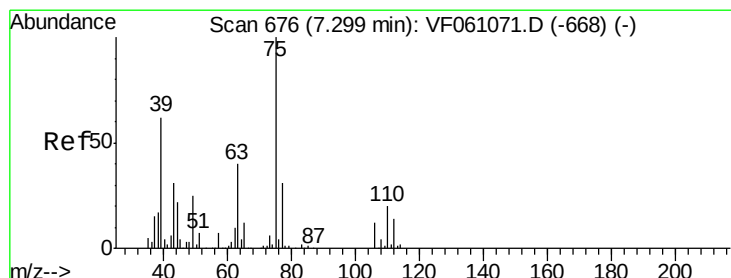
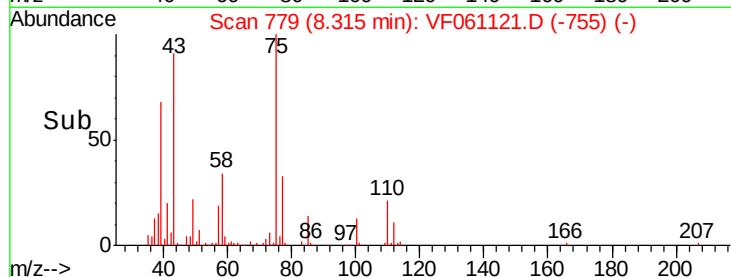
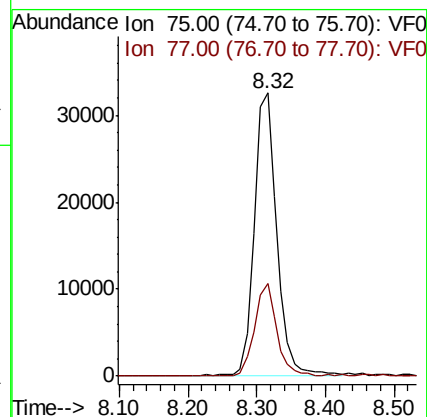
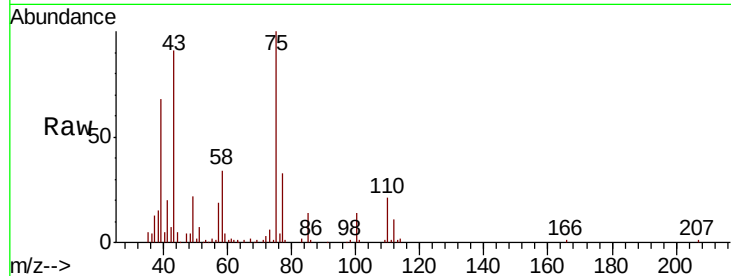
VF1221SBS01

Tot Ion: 75 Resp: 74204

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 22.263 ug/l

RT: 7.34 min Scan# 680

Delta R.T. 0.04 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

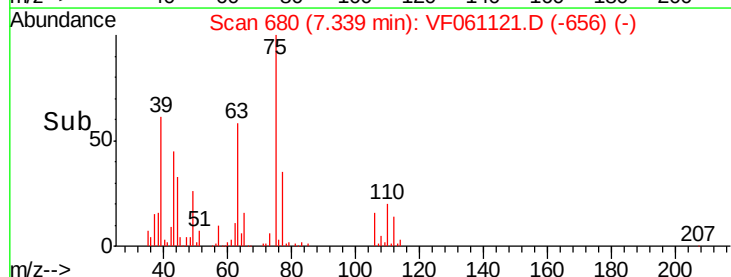
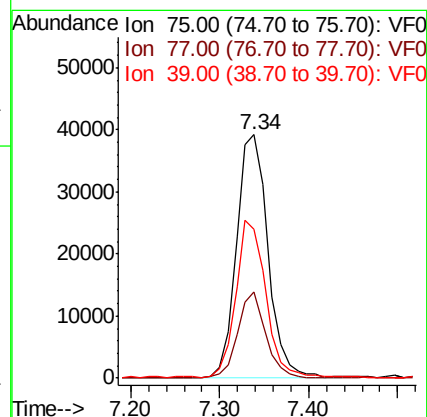
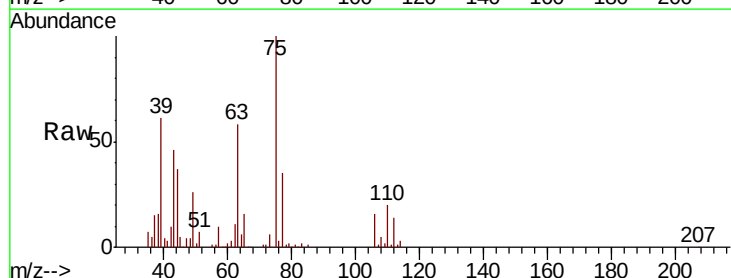
Tgt Ion: 75 Resp: 96970

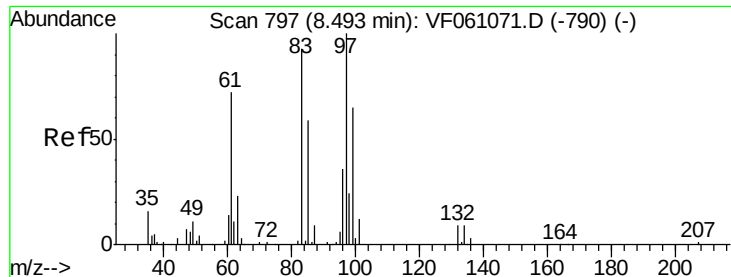
Ion Ratio Lower Upper

75 100

77 35.3 25.0 37.4

39 61.2 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 22.042 ug/l

RT: 8.52 min Scan# 800

Delta R.T. 0.03 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

Tot Ion: 97 Resp: 41040

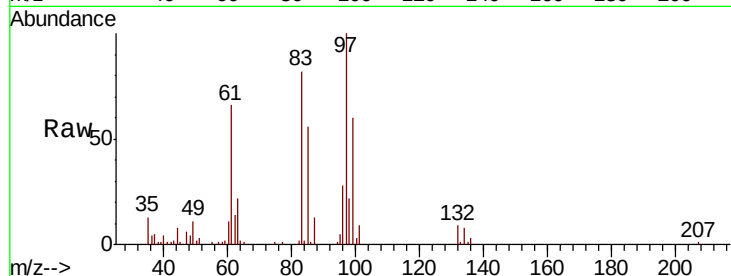
Ion Ratio Lower Upper

97 100

83 82.1 75.0 112.4

85 55.9 47.5 71.3

99 59.8 51.9 77.9

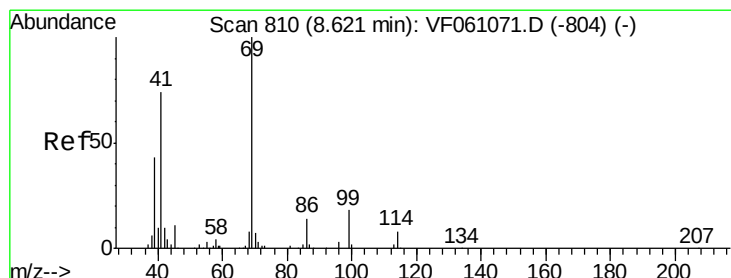
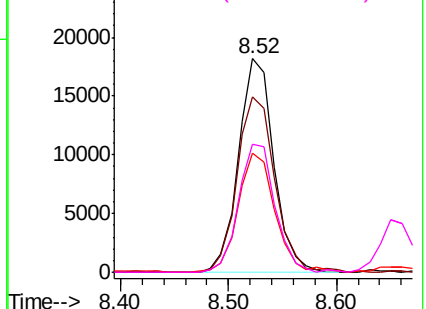
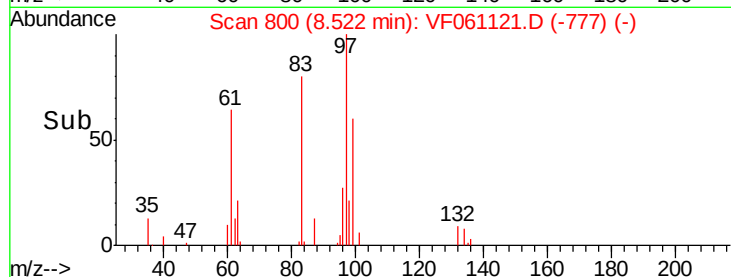


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 23.562 ug/l

RT: 8.65 min Scan# 813

Delta R.T. 0.03 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

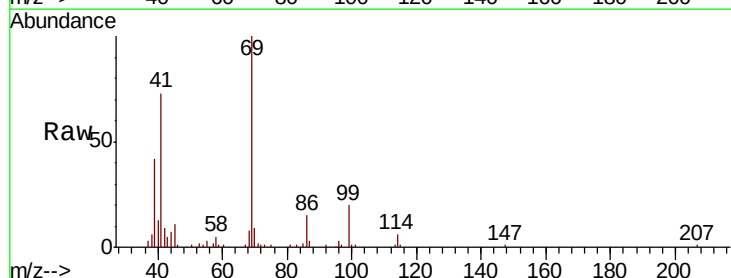
Tgt Ion: 69 Resp: 47471

Ion Ratio Lower Upper

69 100

41 72.9 59.7 89.5

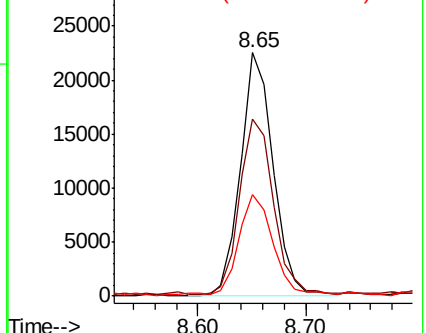
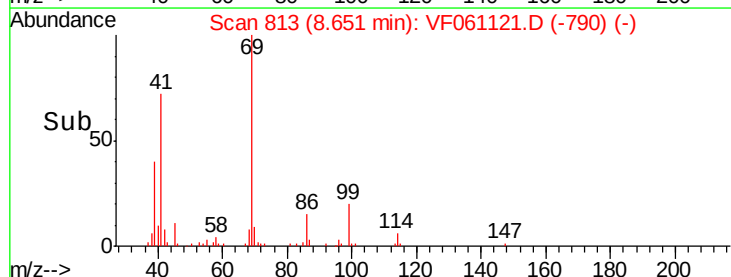
39 41.7 35.0 52.6

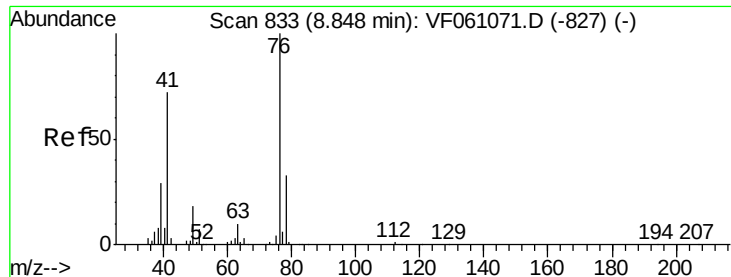


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.338 ug/l

RT: 8.89 min Scan# 837

Delta R.T. 0.04 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

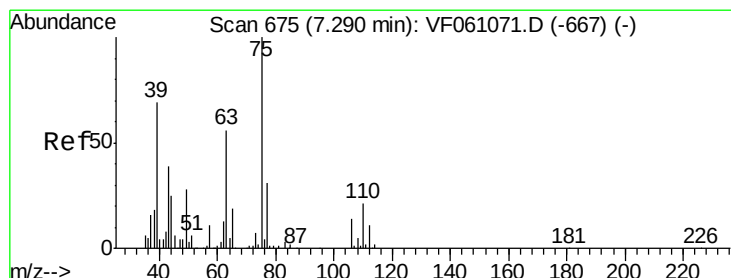
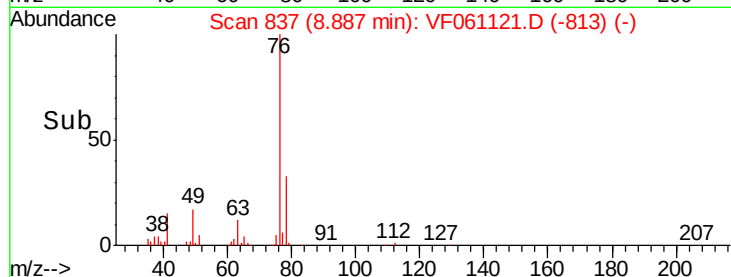
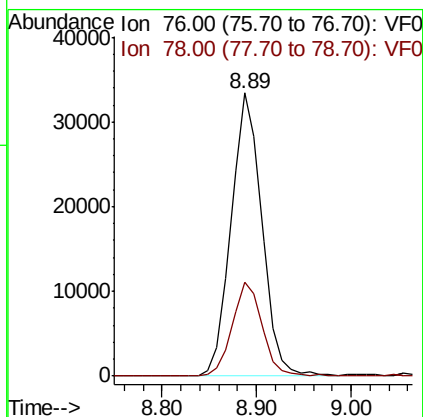
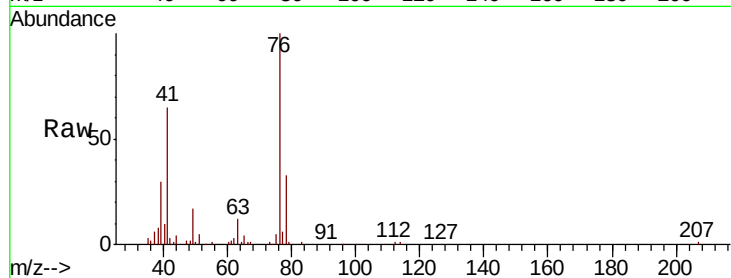
VF1221SBS01

Tot Ion: 76 Resp: 75226

Ion Ratio Lower Upper

76 100

78 33.1 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 152.283 ug/l

RT: 7.33 min Scan# 679

Delta R.T. 0.04 min

Lab File: VF061121.D

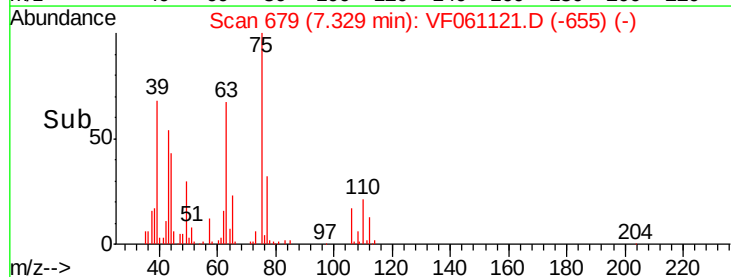
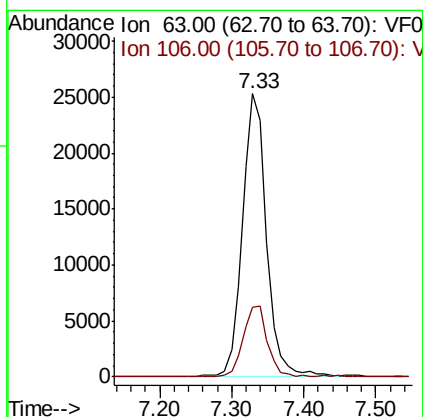
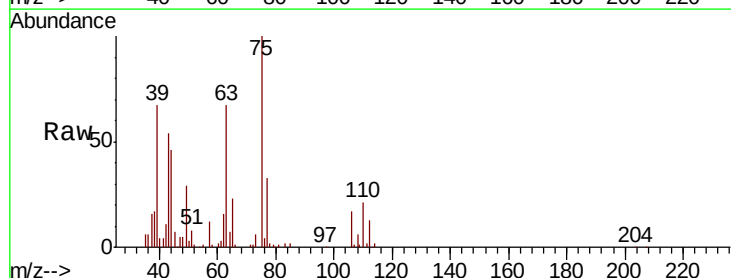
Acq: 21 Dec 2018 12:53

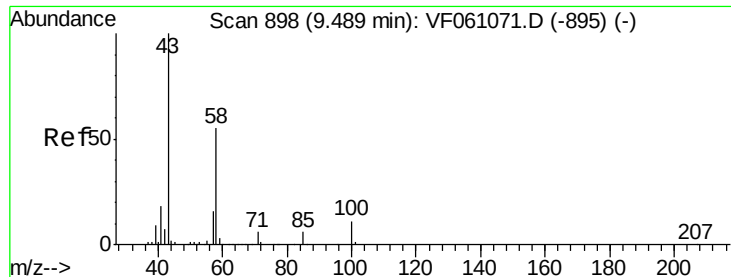
Tgt Ion: 63 Resp: 58926

Ion Ratio Lower Upper

63 100

106 24.8 19.8 29.8

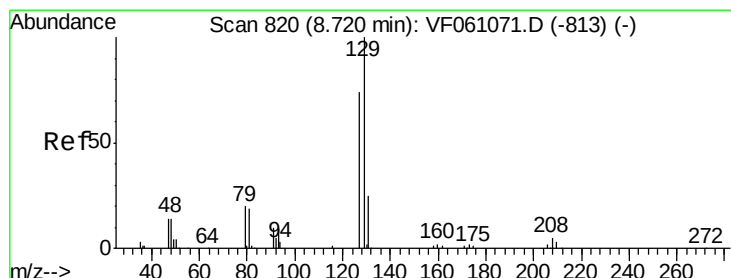
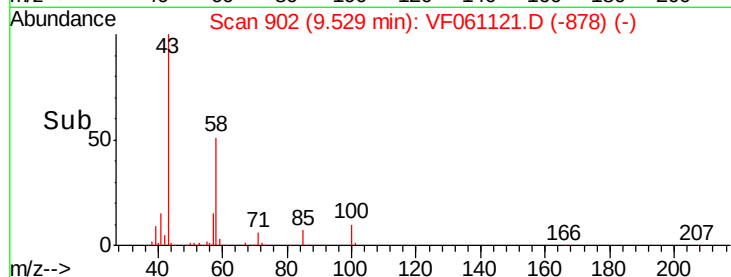
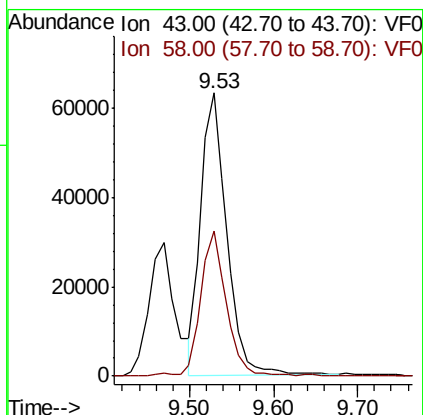
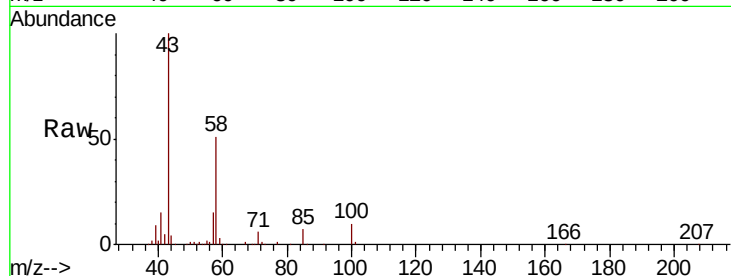




#59
2-Hexanone
Concen: 129.882 ug/l
RT: 9.53 min Scan# 902
Delta R.T. 0.04 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

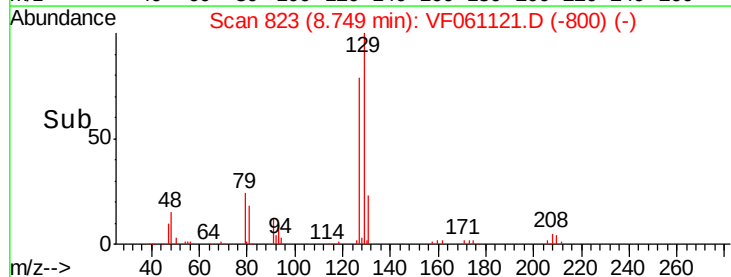
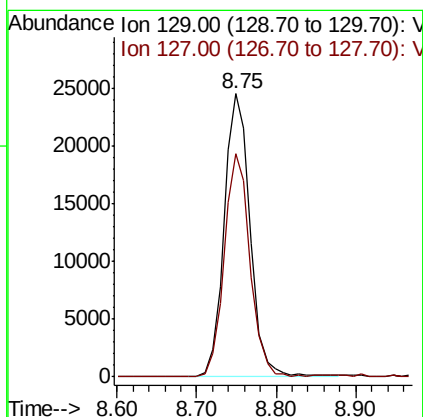
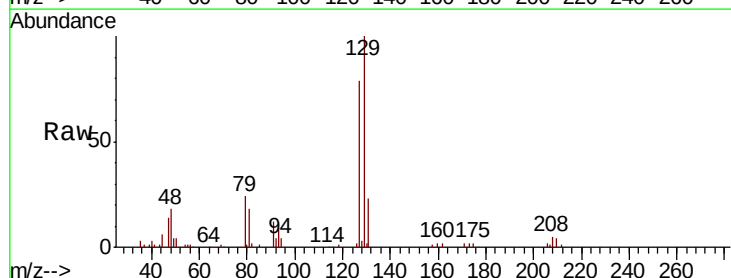
Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

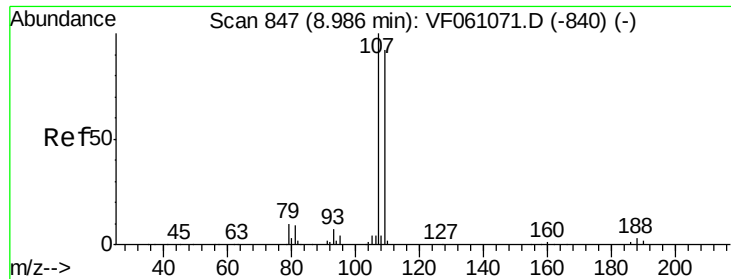
Tot Ion: 43 Resp: 135709
Ion Ratio Lower Upper
43 100
58 51.1 25.1 75.2



#60
Dibromochloromethane
Concen: 21.157 ug/l
RT: 8.75 min Scan# 823
Delta R.T. 0.03 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

Tgt Ion:129 Resp: 56469
Ion Ratio Lower Upper
129 100
127 79.0 36.8 110.3





#61

1,2-Dibromoethane

Concen: 21.723 ug/l

RT: 9.03 min Scan# 851

Delta R.T. 0.04 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

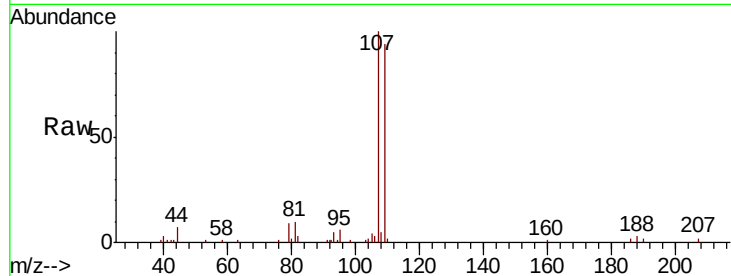
VF1221SBSD01

Tot Ion:107 Resp: 43197

Ion Ratio Lower Upper

107 100

109 93.6 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.03

20000

15000

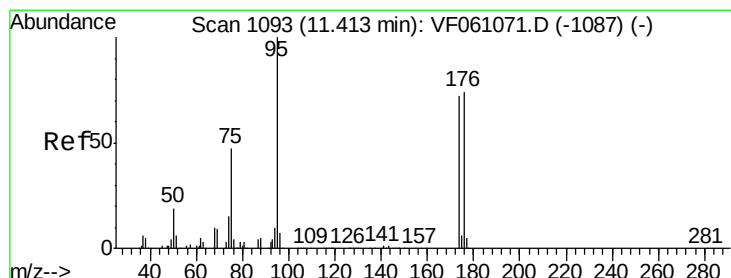
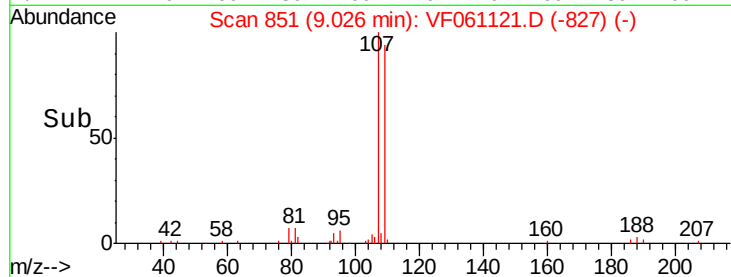
10000

5000

0

8.90 9.00 9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 50.002 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. 0.02 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

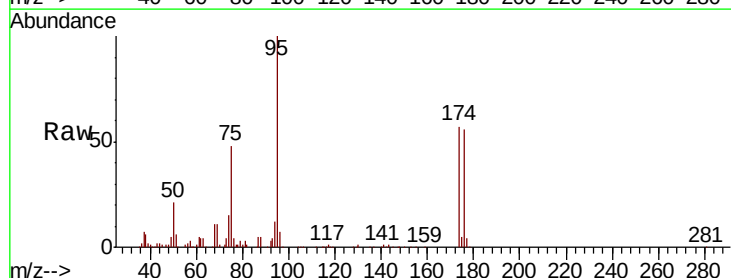
Tgt Ion: 95 Resp: 189150

Ion Ratio Lower Upper

95 100

174 57.4 0.0 143.8

176 56.1 0.0 147.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.43

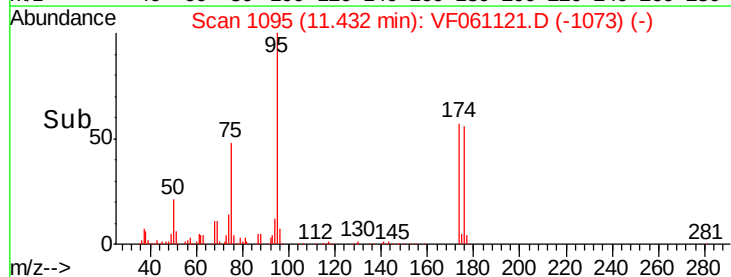
100000

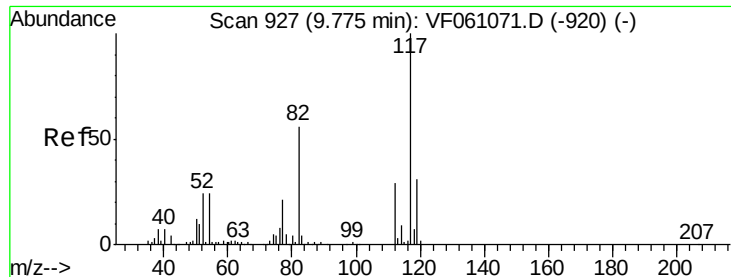
50000

0

11.30 11.40 11.50 11.60

Time-->

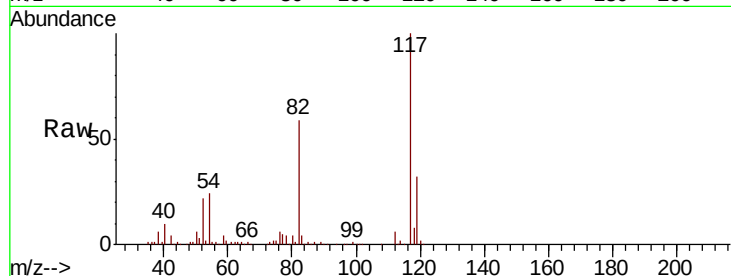




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.03 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	45.0	67.4
119	31.6	24.8	37.2

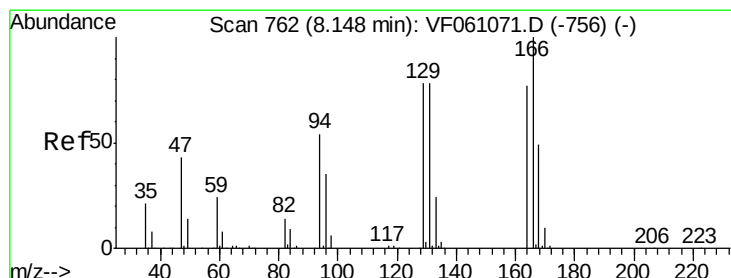
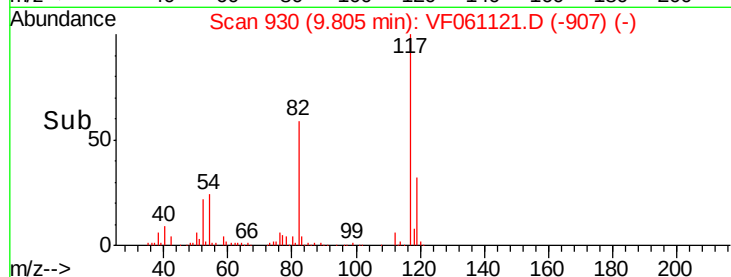
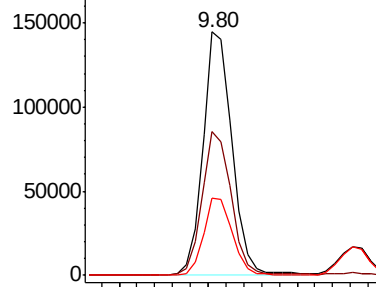


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 20.691 ug/l
RT: 8.19 min Scan# 766
Delta R.T. 0.04 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.0	104.0	156.0
129	97.4	81.1	121.7
131	100.3	81.2	121.8

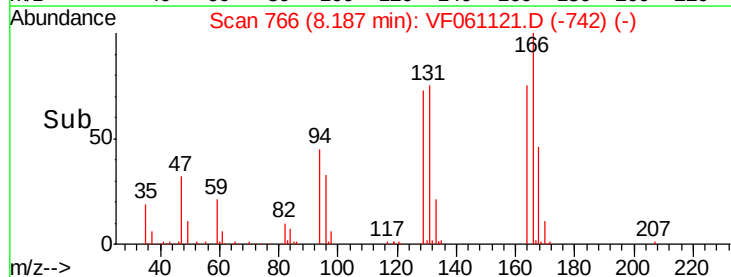
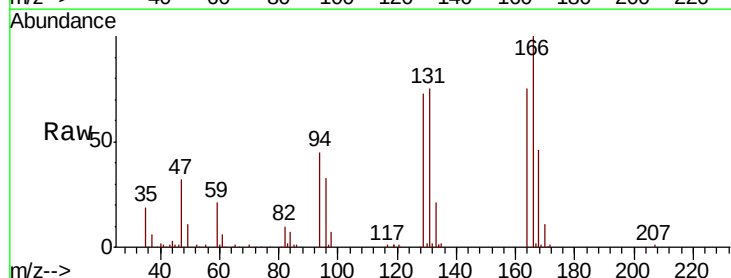
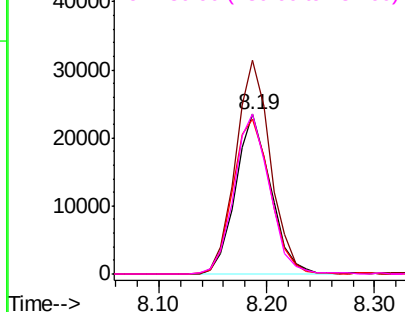
Abundance

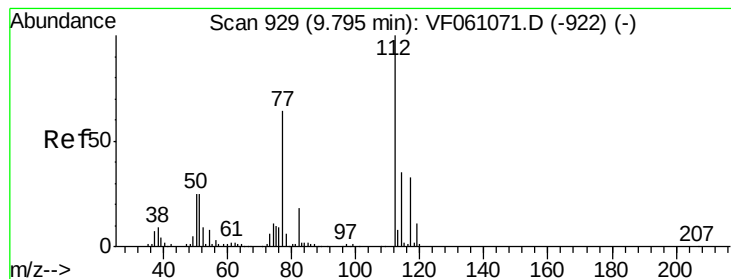
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 20.350 ug/l

RT: 9.83 min Scan# 933

Delta R.T. 0.04 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

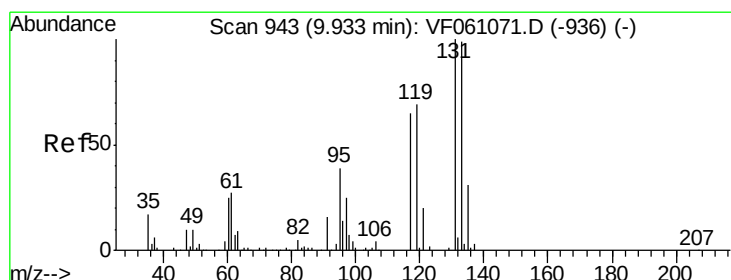
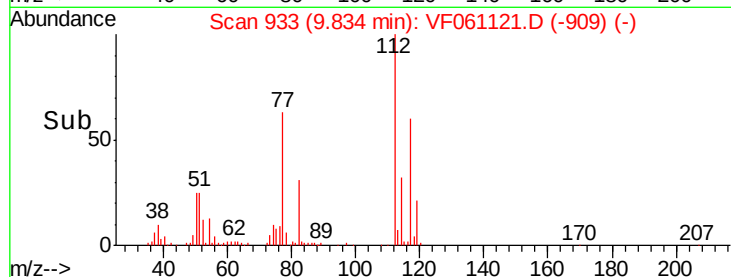
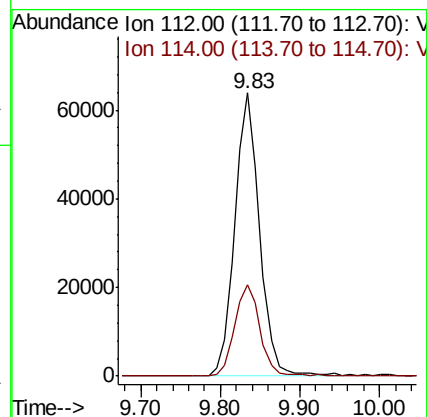
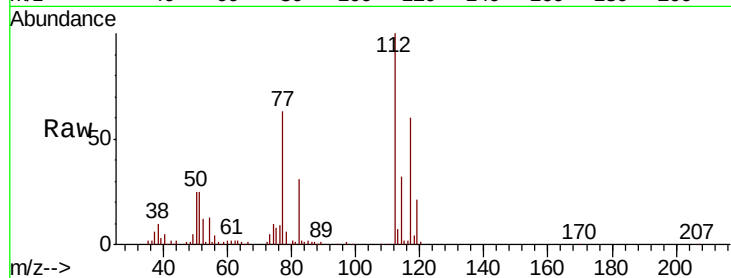
VF1221SBS01

Tot Ion:112 Resp: 139244

Ion Ratio Lower Upper

112 100

114 32.2 27.8 41.6



#66

1,1,1,2-Tetrachloroethane

Concen: 20.126 ug/l

RT: 9.96 min Scan# 946

Delta R.T. 0.03 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

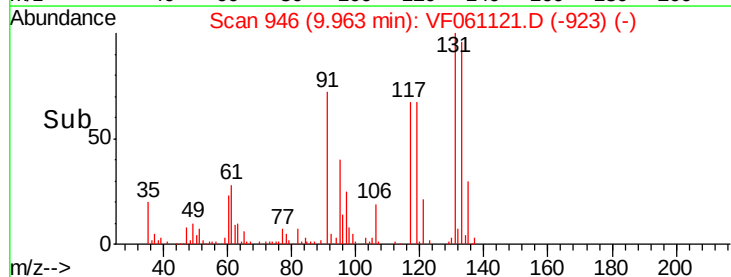
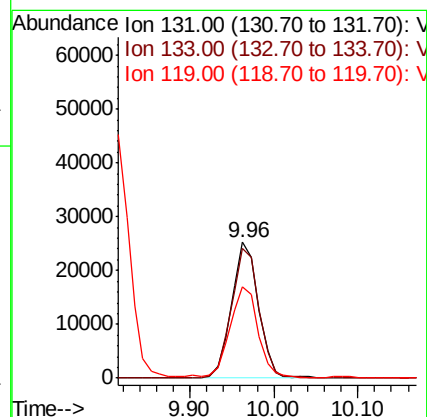
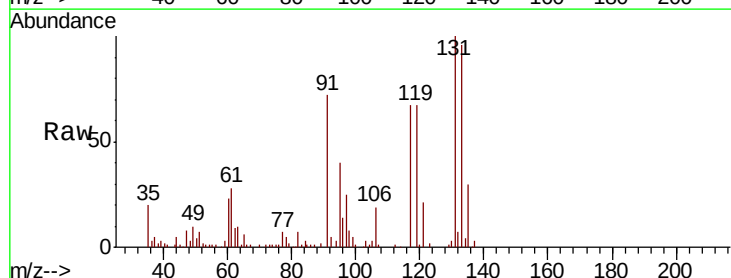
Tgt Ion:131 Resp: 56278

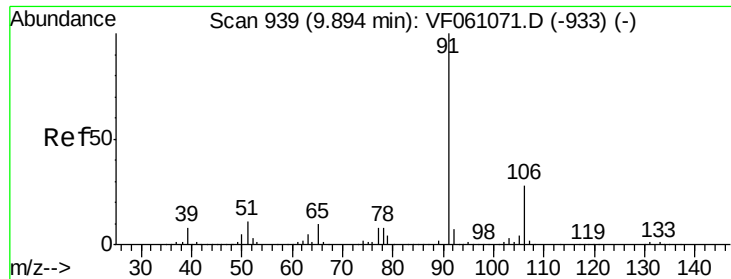
Ion Ratio Lower Upper

131 100

133 95.9 49.5 148.7

119 67.4 34.5 103.5

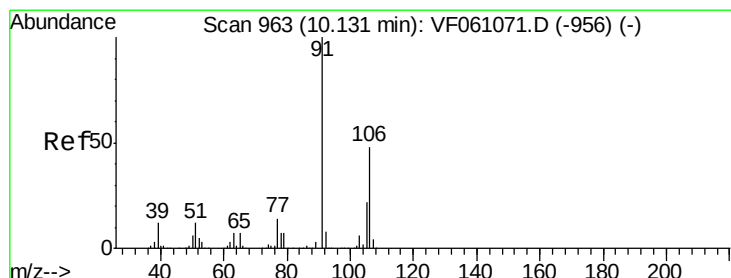
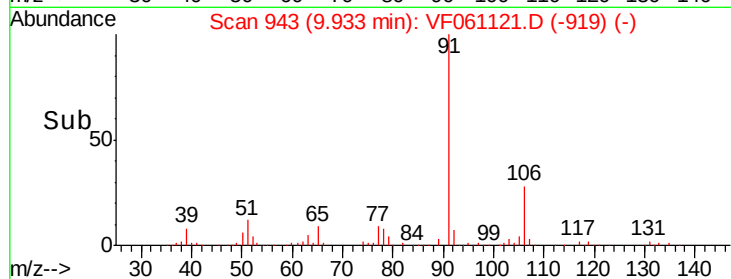
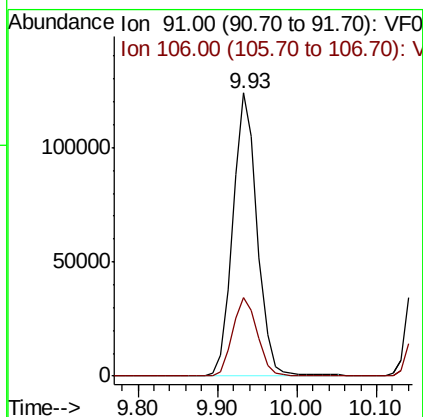
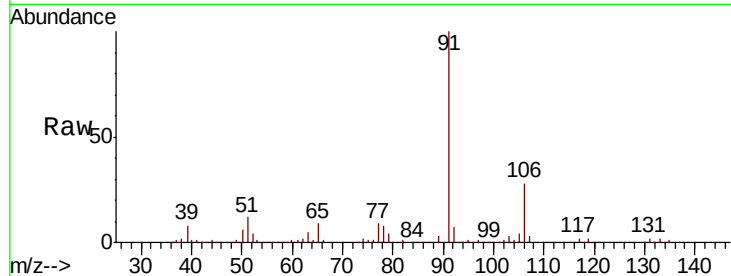




#67
Ethyl Benzene
Concen: 21.266 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.04 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

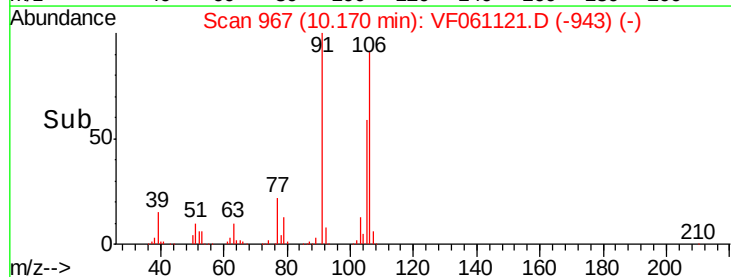
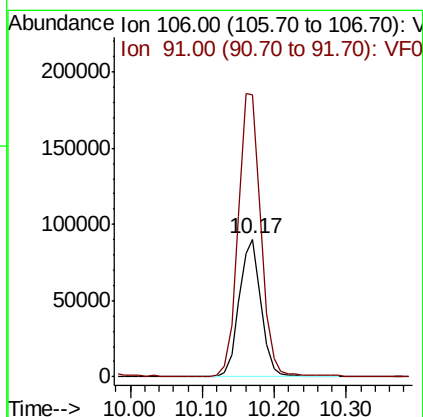
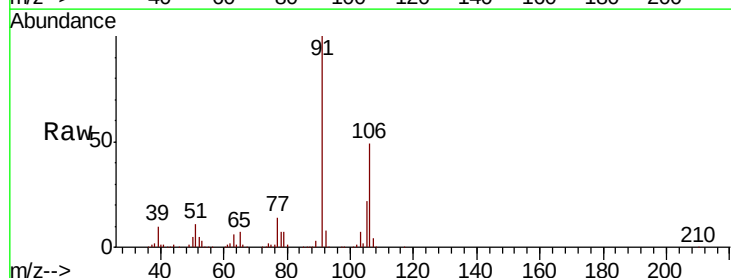
Instrument :
MSVOA_F
ClientSampleId :
VF1221SBSD01

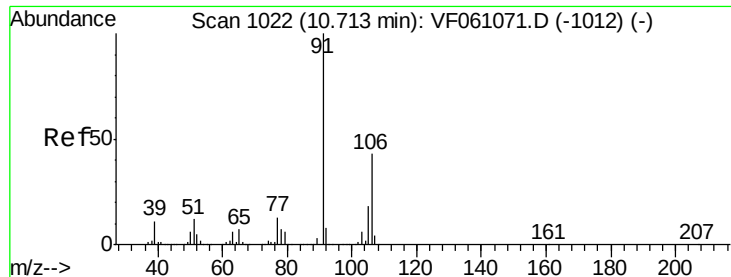
Tot Ion: 91 Resp: 265101
Ion Ratio Lower Upper
91 100
106 27.9 22.5 33.7



#68
m/p-Xylenes
Concen: 43.856 ug/l
RT: 10.17 min Scan# 967
Delta R.T. 0.04 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

Tgt Ion: 106 Resp: 192396
Ion Ratio Lower Upper
106 100
91 205.3 168.2 252.2

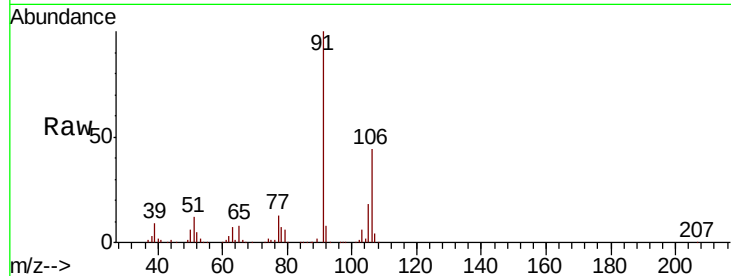




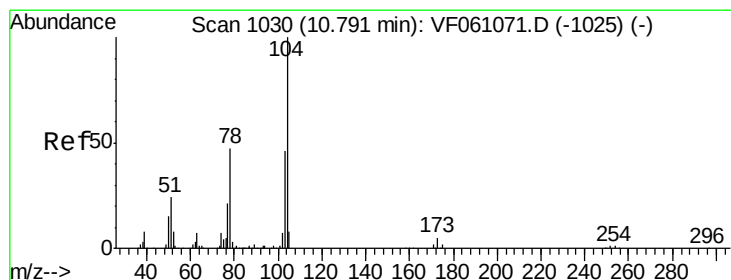
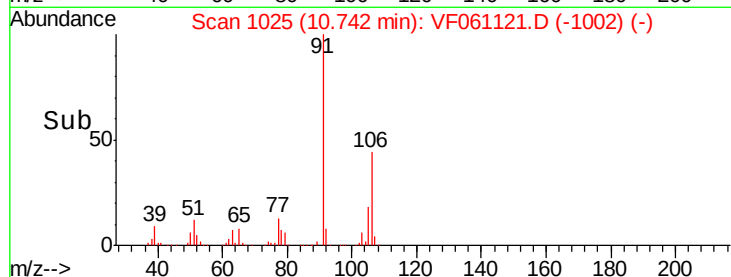
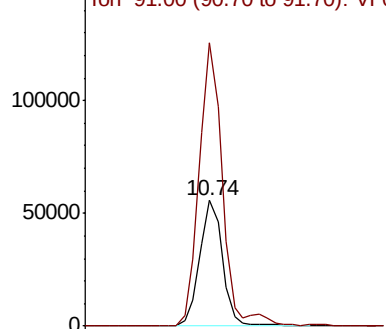
#69
o-Xylene
Concen: 21.778 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. 0.03 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tot Ion:106 Resp: 105962
Ion Ratio Lower Upper
106 100
91 225.2 115.9 347.7

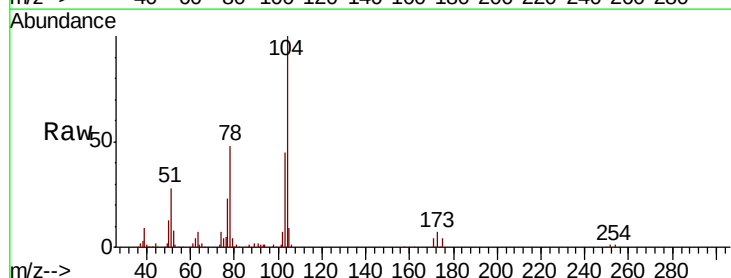


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

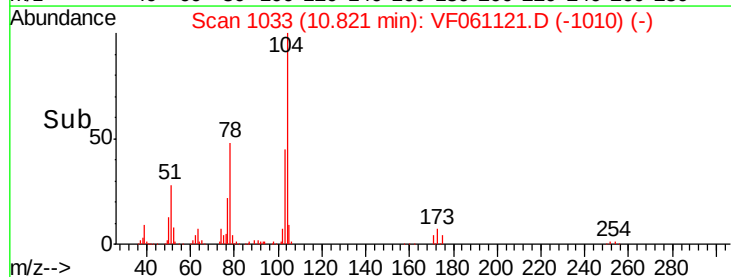
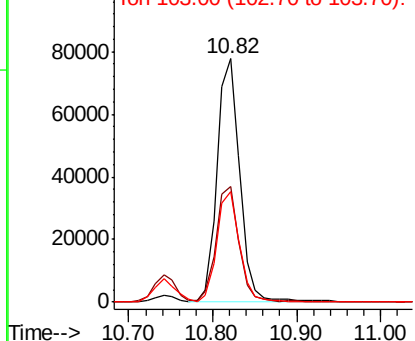


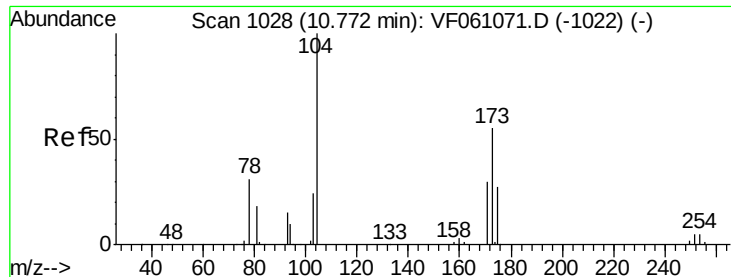
#70
Styrene
Concen: 21.694 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. 0.03 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

Tgt Ion:104 Resp: 145012
Ion Ratio Lower Upper
104 100
78 47.6 38.4 57.6
103 45.3 37.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 22.538 ug/l

RT: 10.80 min Scan# 1031

Delta R.T. 0.03 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

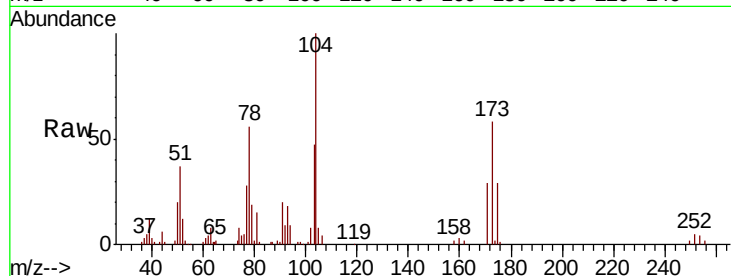
Tot Ion:173 Resp: 29156

Ion Ratio Lower Upper

173 100

175 50.0 24.8 74.4

254 0.0 0.0 0.0

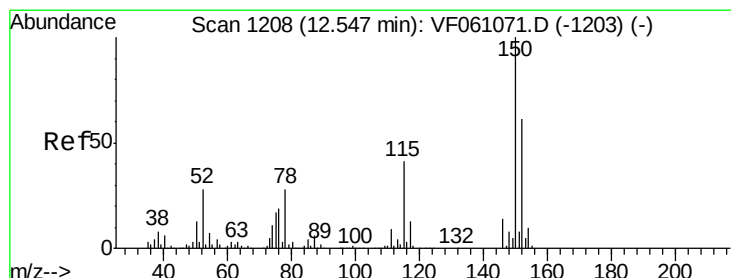
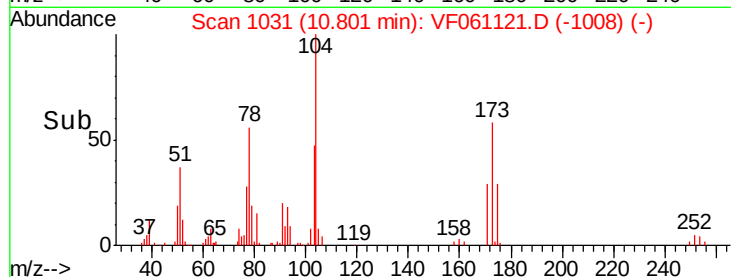
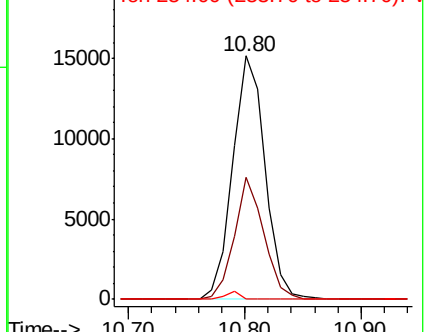


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.58 min Scan# 1211

Delta R.T. 0.03 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

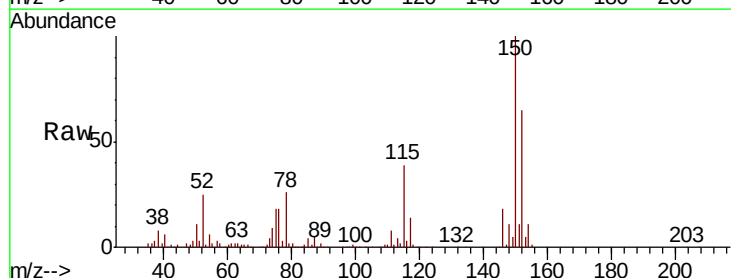
Tgt Ion:152 Resp: 166064

Ion Ratio Lower Upper

152 100

115 59.7 33.3 99.9

150 152.7 0.0 328.2

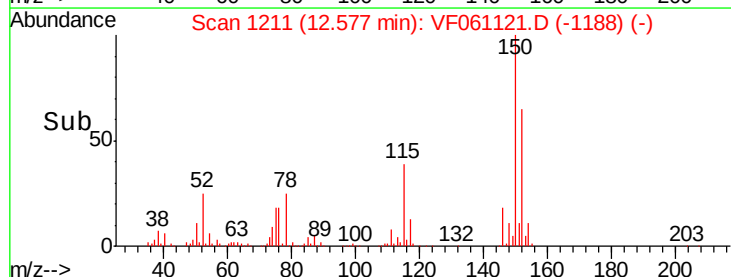
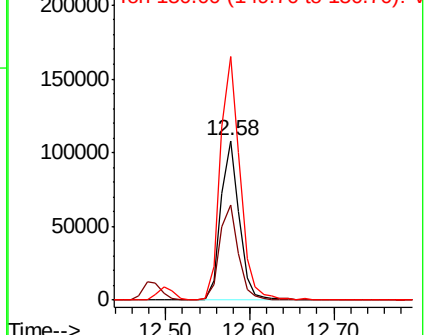


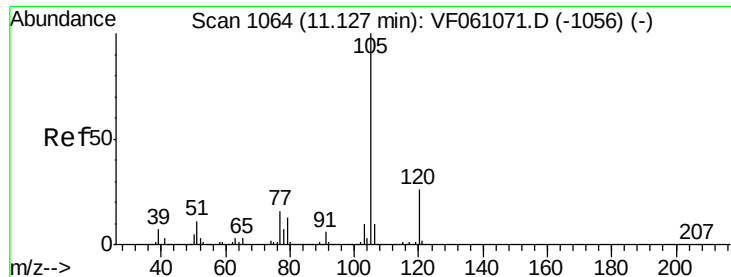
Abundance

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: 21.457 ug/l

RT: 11.15 min Scan# 1066

Delta R.T. 0.02 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

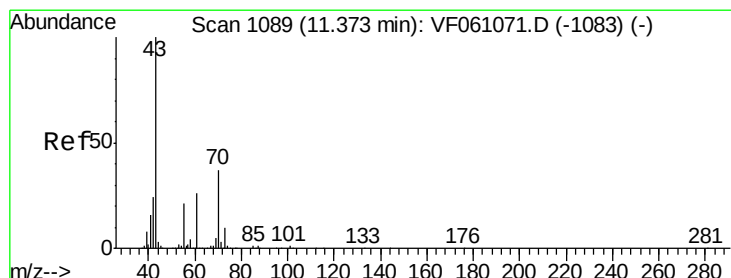
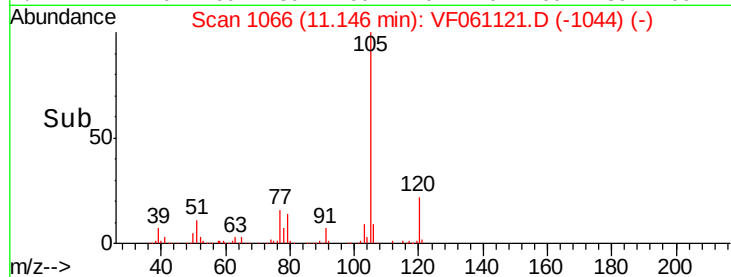
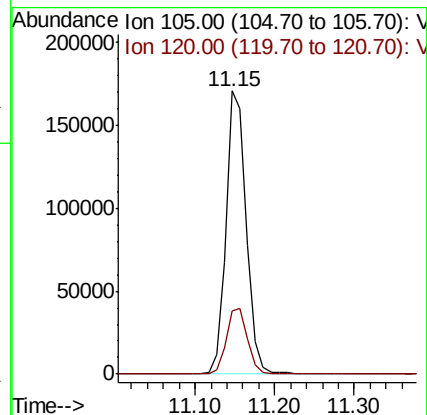
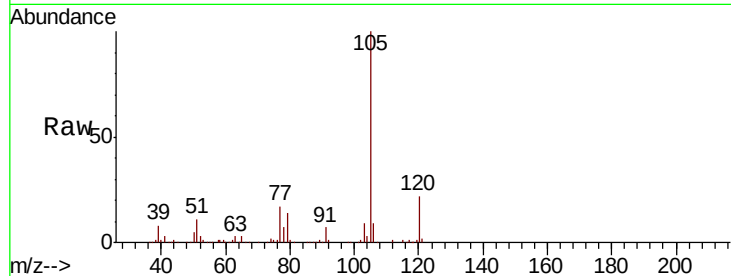
VF1221SBS01

Tot Ion:105 Resp: 307060

Ion Ratio Lower Upper

105 100

120 22.2 13.0 39.0



#74

N-ethyl acetate

Concen: 26.627 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Tgt Ion: 43 Resp: 84599

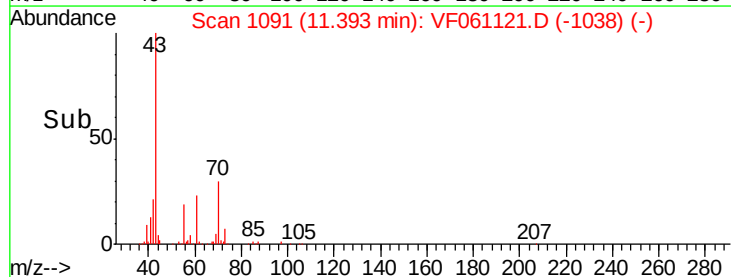
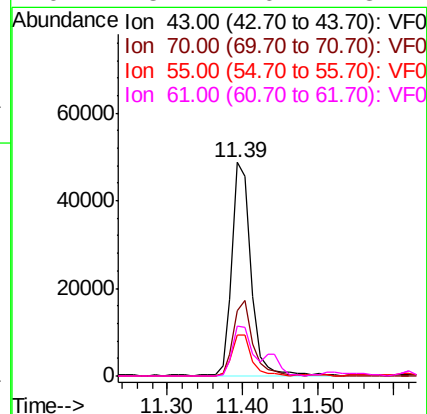
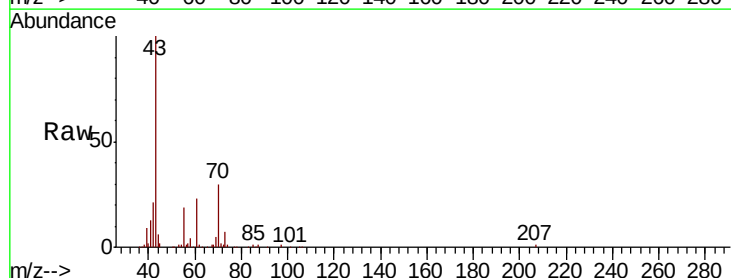
Ion Ratio Lower Upper

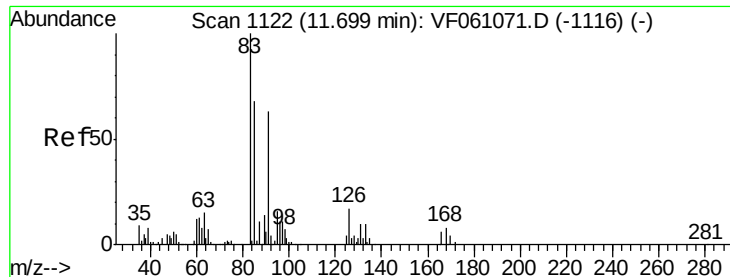
43 100

70 30.3 29.2 43.8

55 19.1 16.5 24.7

61 23.2 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 23.567 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.02 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

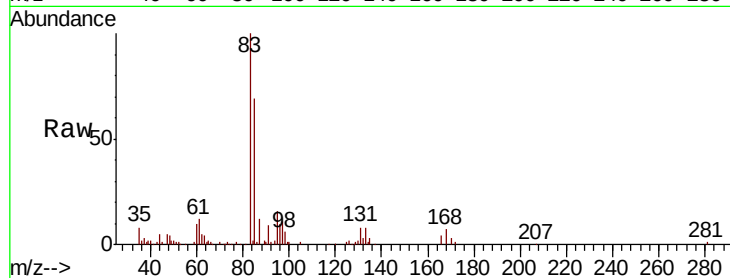
Tot Ion: 83 Resp: 55974

Ion Ratio Lower Upper

83 100

131 8.5 4.8 14.3

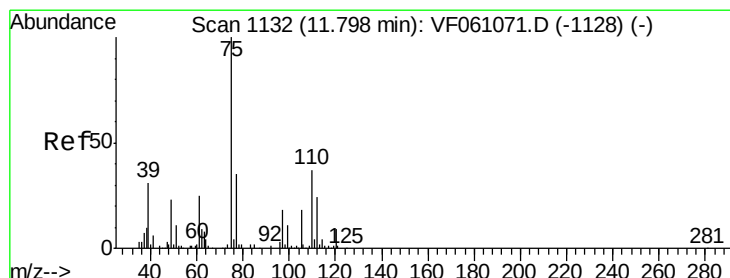
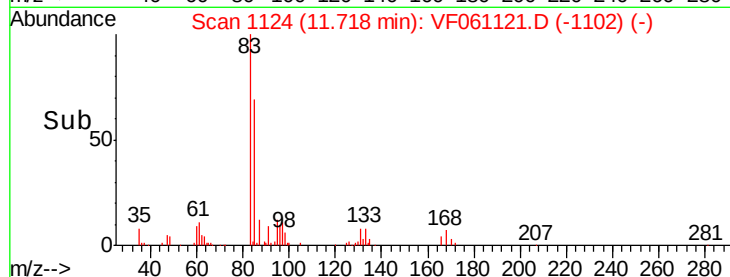
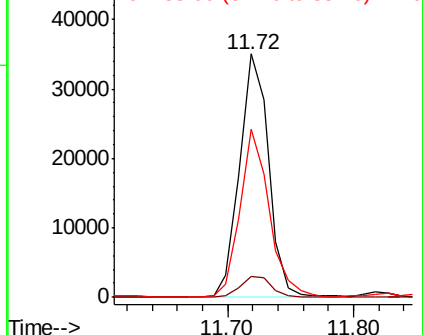
85 69.2 33.9 101.6



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: 22.061 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. 0.02 min

Lab File: VF061121.D

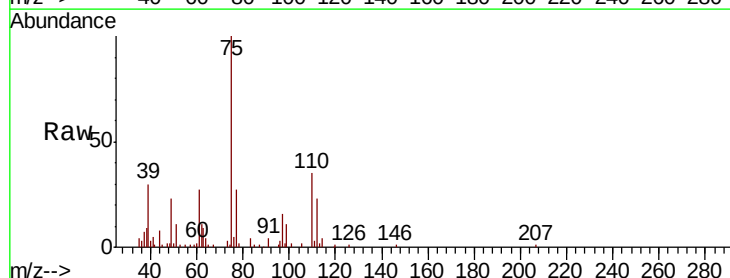
Acq: 21 Dec 2018 12:53

Tgt Ion: 75 Resp: 38993

Ion Ratio Lower Upper

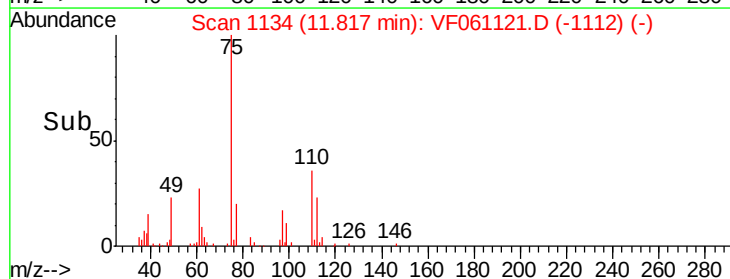
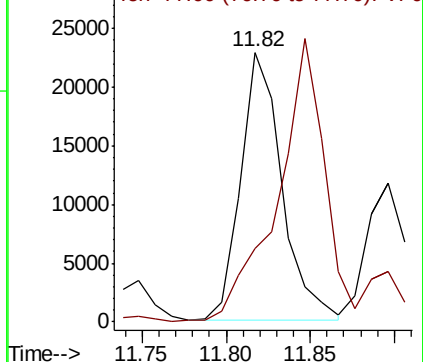
75 100

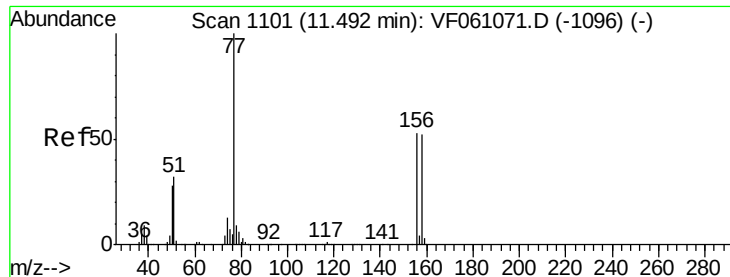
77 27.1 17.6 52.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.449 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. 0.03 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

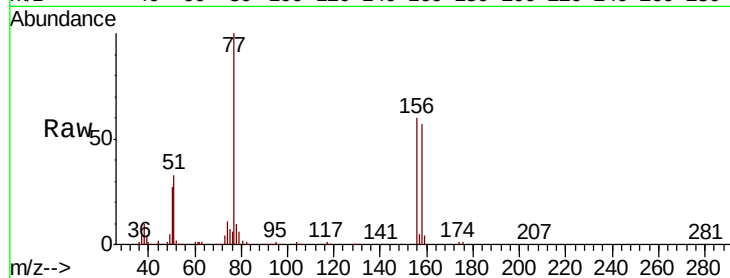
Tot Ion:156 Resp: 66075

Ion Ratio Lower Upper

156 100

77 165.4 93.8 281.4

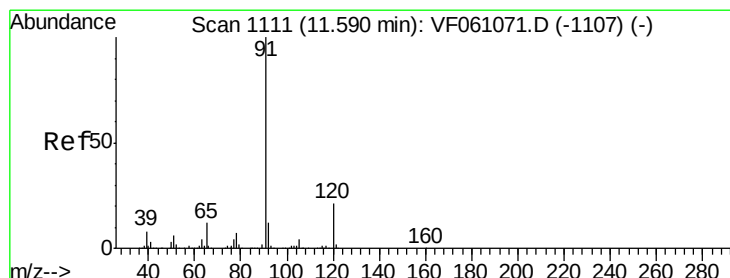
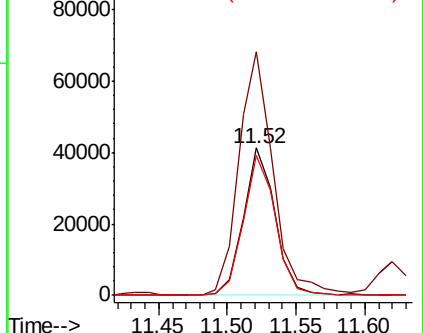
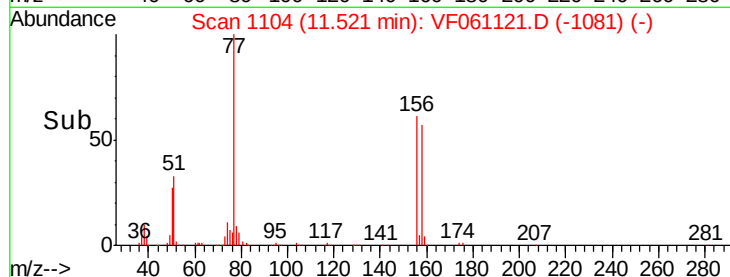
158 94.8 48.9 146.8



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: 19.125 ug/l

RT: 11.62 min Scan# 1114

Delta R.T. 0.03 min

Lab File: VF061121.D

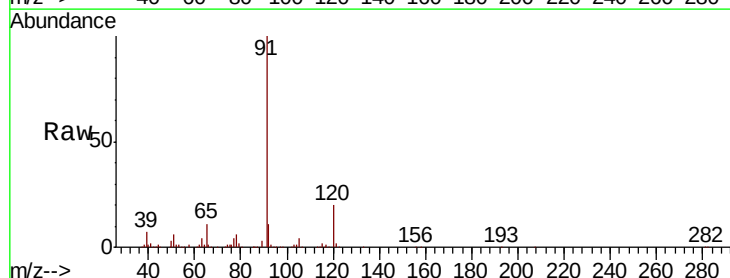
Acq: 21 Dec 2018 12:53

Tgt Ion: 91 Resp: 356657

Ion Ratio Lower Upper

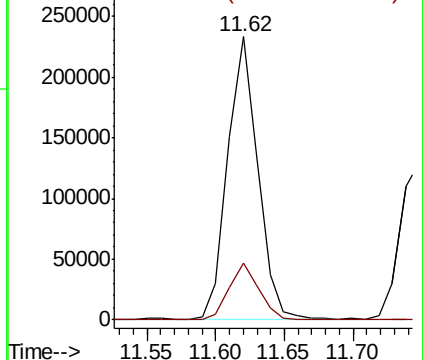
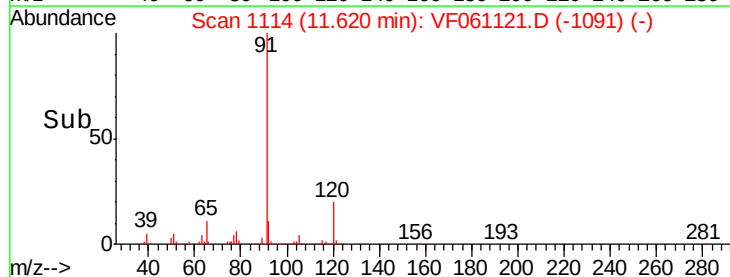
91 100

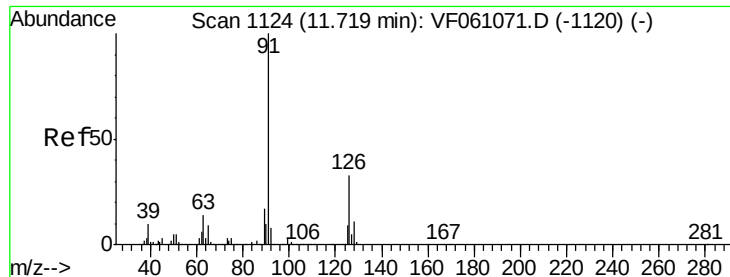
120 20.0 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

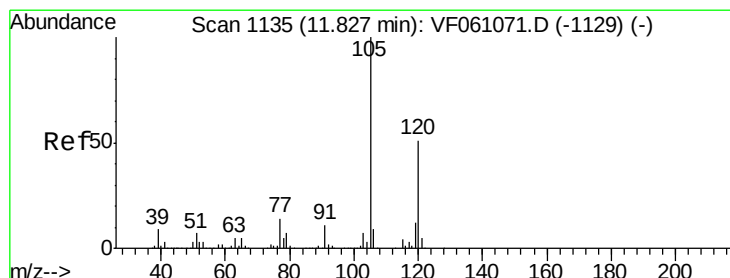
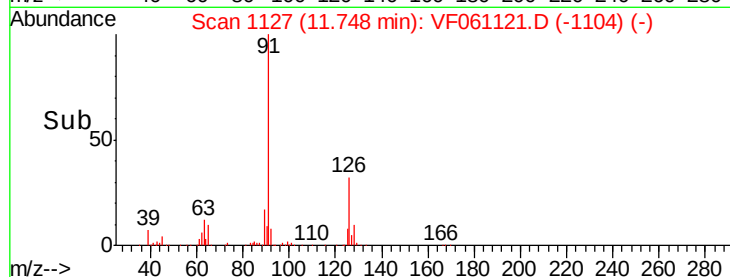
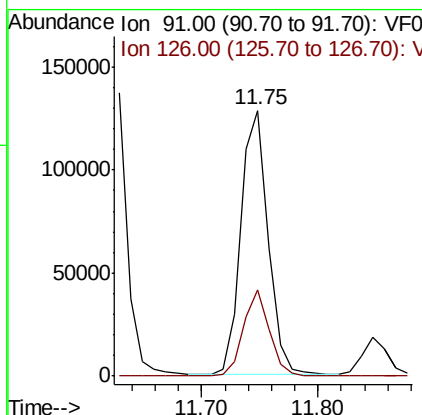
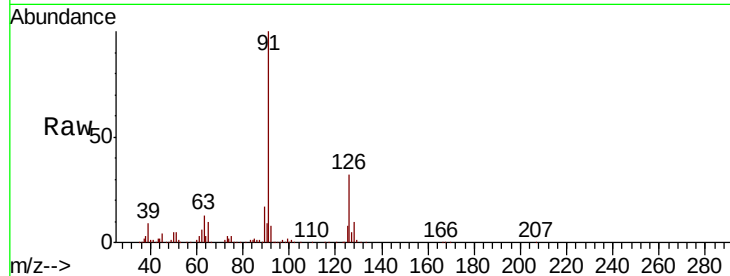




#79
 2-Chlorotoluene
 Concen: 20.969 ug/l
 RT: 11.75 min Scan# 1127
 Delta R.T. 0.03 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

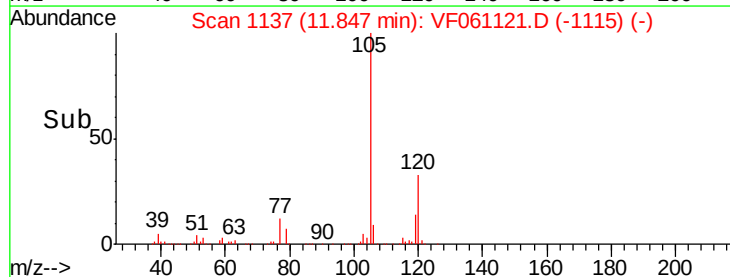
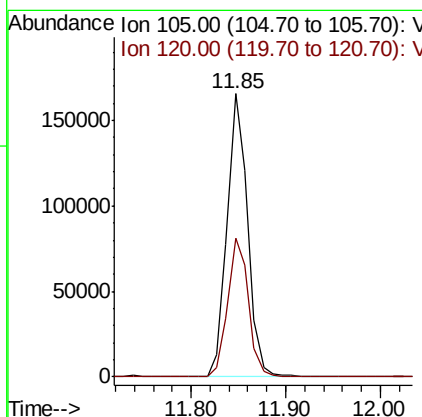
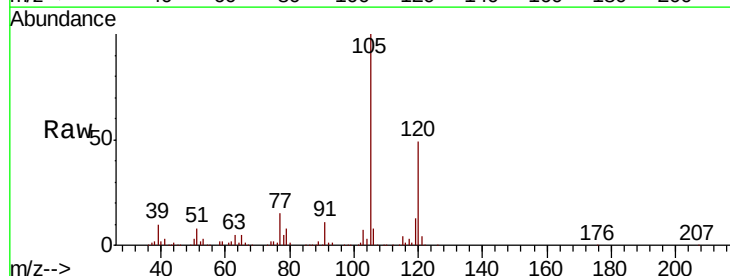
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

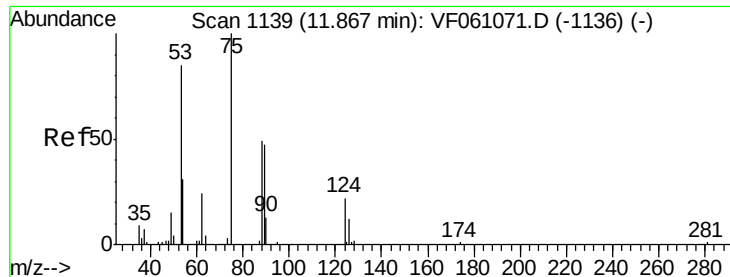
Tot Ion: 91 Resp: 205857
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.133 ug/l
 RT: 11.85 min Scan# 1137
 Delta R.T. 0.02 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

Tgt Ion: 105 Resp: 249022
 Ion Ratio Lower Upper
 105 100
 120 49.1 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 33.470 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. 0.03 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

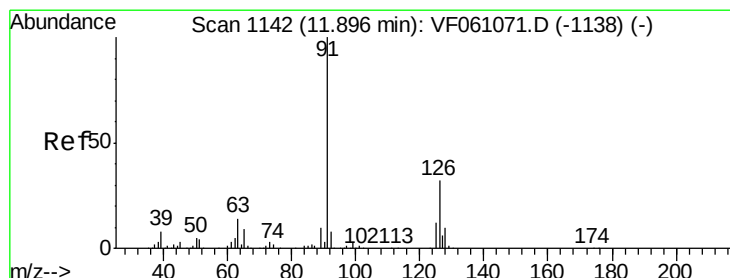
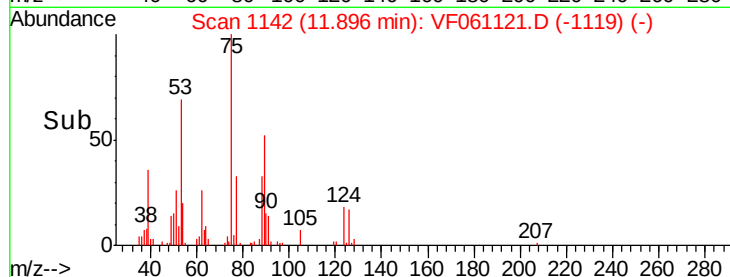
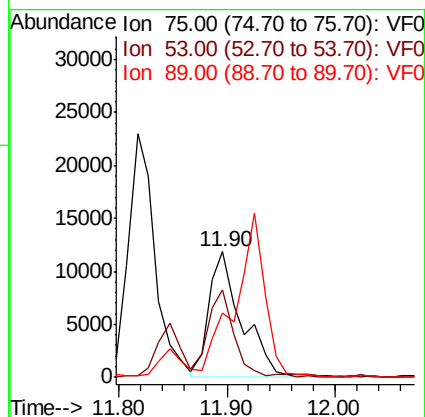
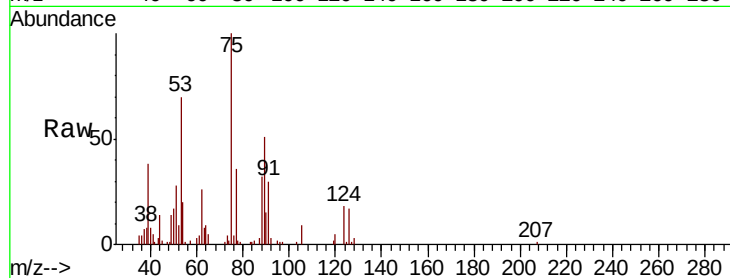
Tot Ion: 75 Resp: 25421

Ion Ratio Lower Upper

75 100

53 69.7 74.1 111.1#

89 51.5 42.6 64.0



#82

4-Chlorotoluene

Concen: 20.284 ug/l

RT: 11.93 min Scan# 1145

Delta R.T. 0.03 min

Lab File: VF061121.D

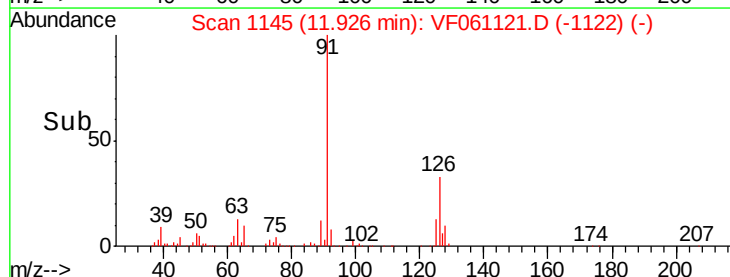
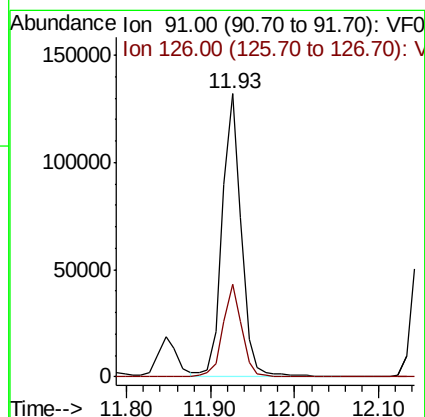
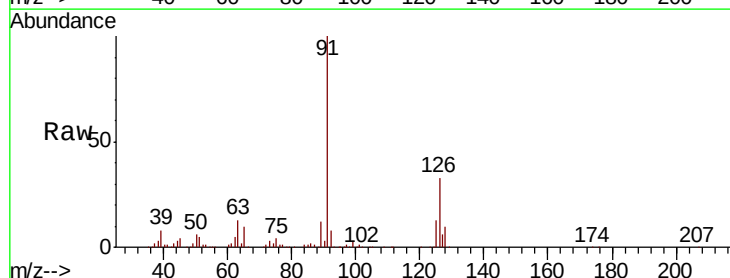
Acq: 21 Dec 2018 12:53

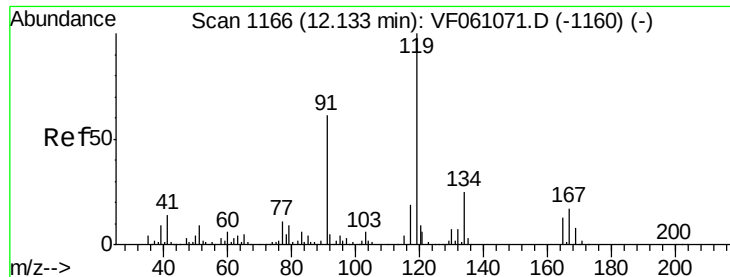
Tgt Ion: 91 Resp: 205992

Ion Ratio Lower Upper

91 100

126 32.7 16.0 47.9

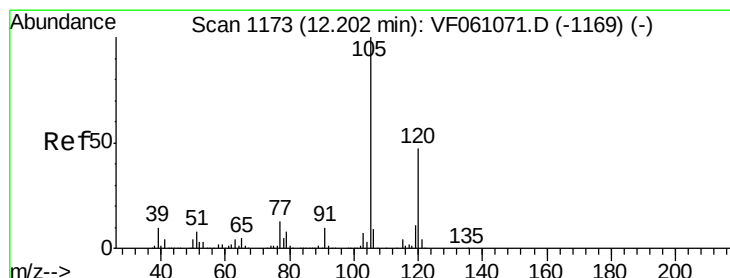
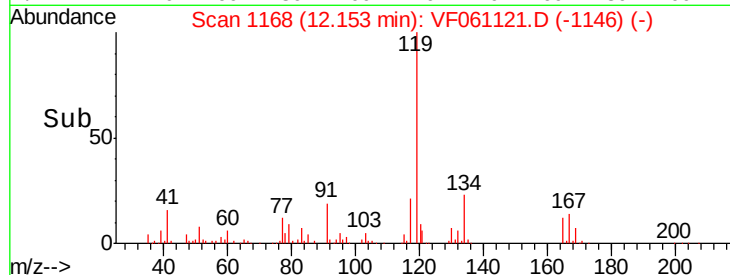
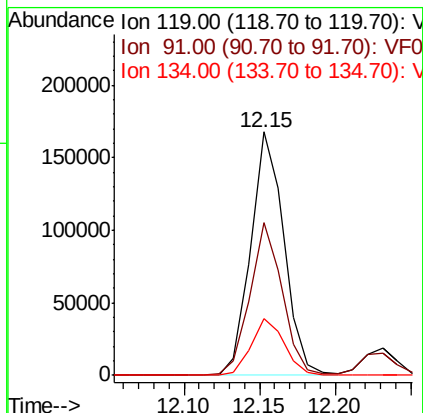
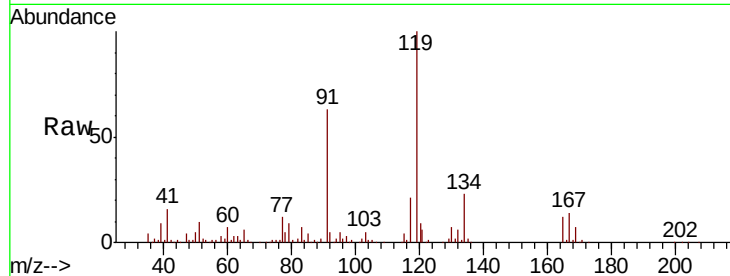




#83
 tert-Butylbenzene
 Concen: 21.249 ug/l
 RT: 12.15 min Scan# 1168
 Delta R.T. 0.02 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

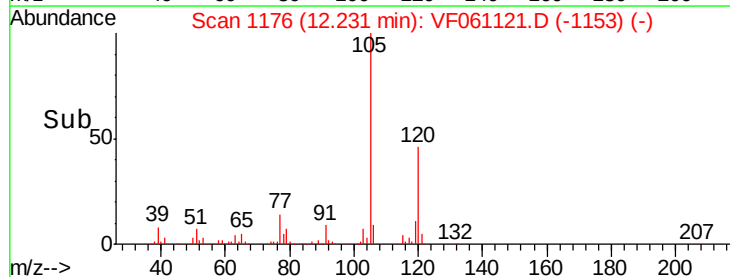
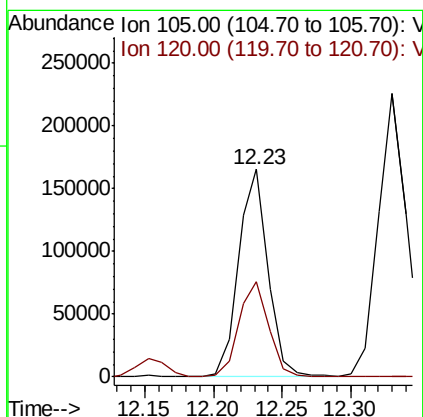
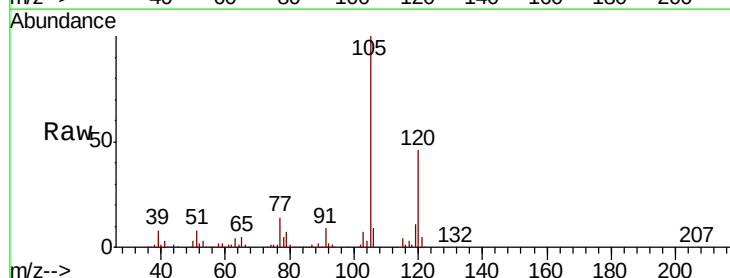
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

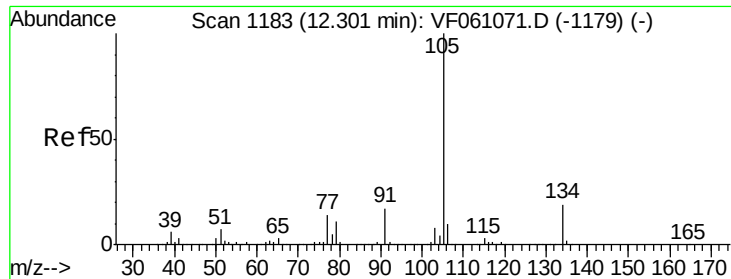
Tot Ion:119 Resp: 257661
 Ion Ratio Lower Upper
 119 100
 91 62.8 30.5 91.5
 134 23.3 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.842 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. 0.03 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

Tgt Ion:105 Resp: 244909
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.6 71.0

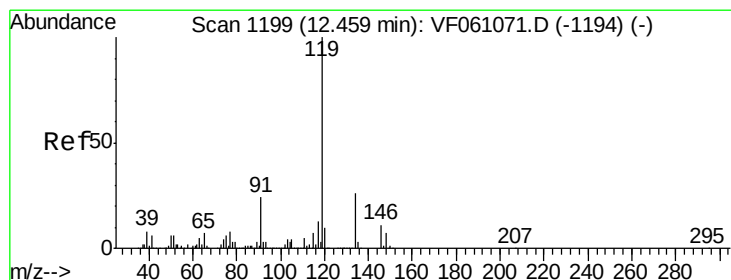
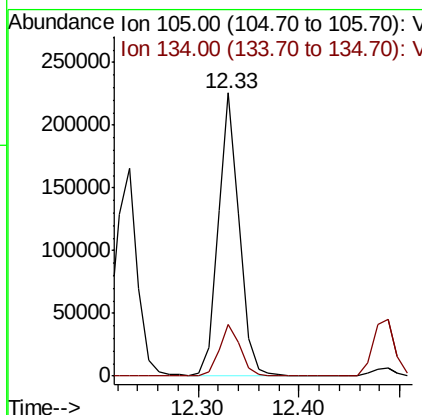
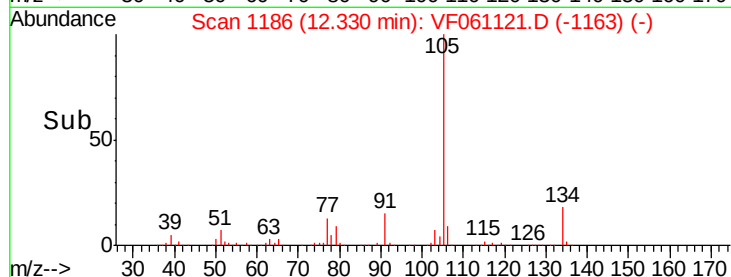
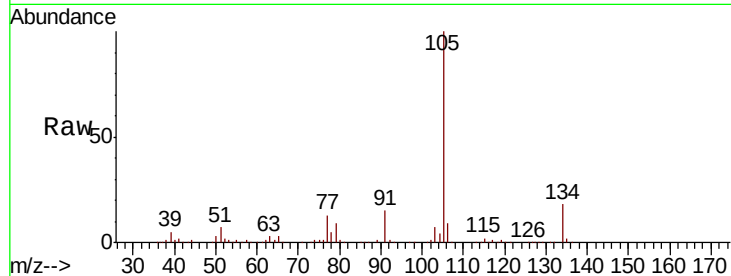




#85
 sec-Butylbenzene
 Concen: 20.572 ug/l
 RT: 12.33 min Scan# 1186
 Delta R.T. 0.03 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

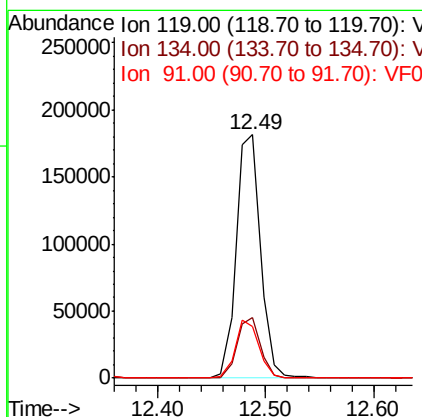
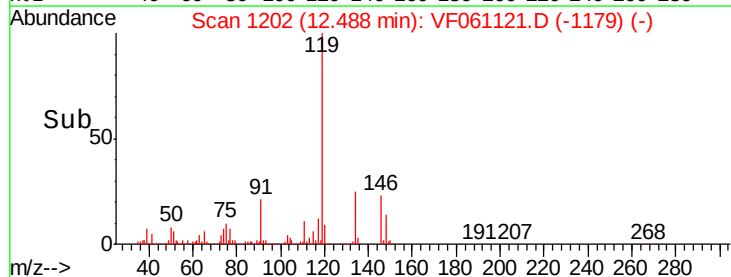
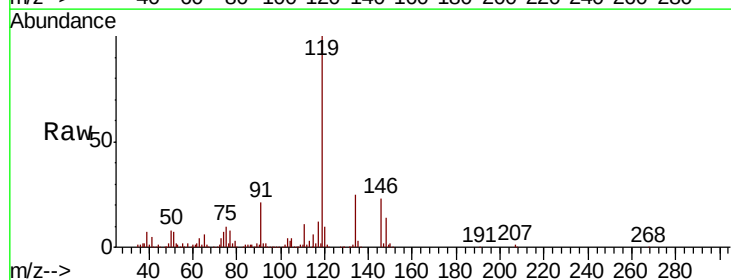
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

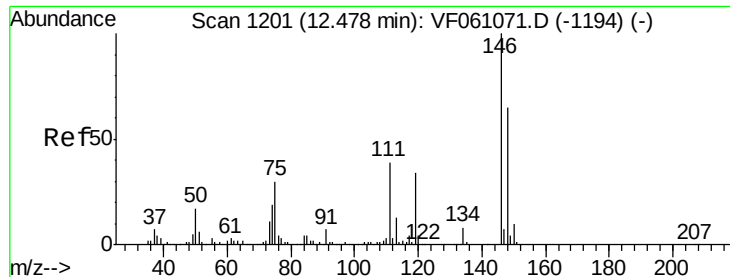
Tot Ion:105 Resp: 325534
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 21.636 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. 0.03 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

Tgt Ion:119 Resp: 284188
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.8 38.4
 91 21.3 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 22.354 ug/l

RT: 12.50 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

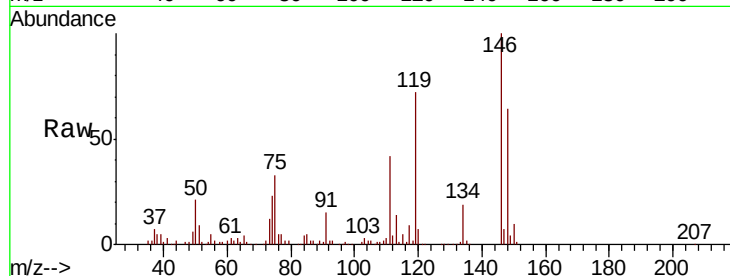
Tot Ion:146 Resp: 127334

Ion Ratio Lower Upper

146 100

111 41.6 19.3 57.9

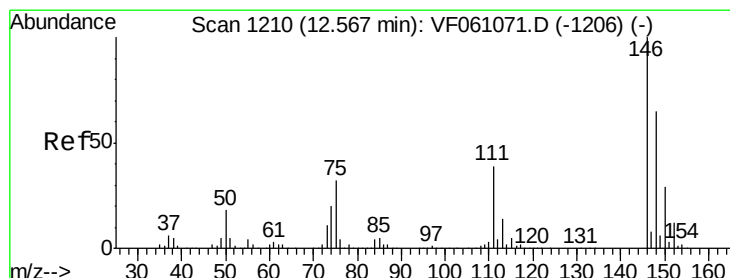
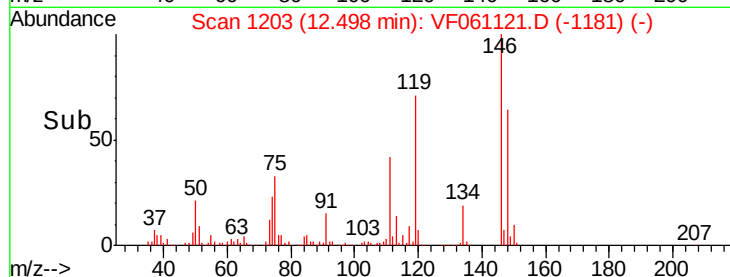
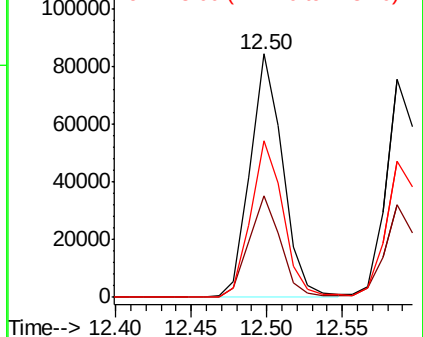
148 64.3 32.4 97.2



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



#88

1,4-Dichlorobenzene

Concen: 20.548 ug/l

RT: 12.59 min Scan# 1212

Delta R.T. 0.02 min

Lab File: VF061121.D

Acq: 21 Dec 2018 12:53

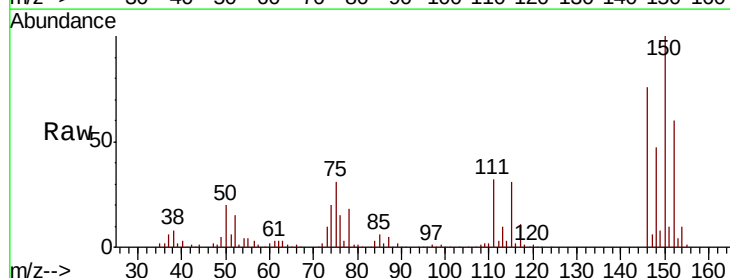
Tgt Ion:146 Resp: 116237

Ion Ratio Lower Upper

146 100

111 42.6 19.4 58.4

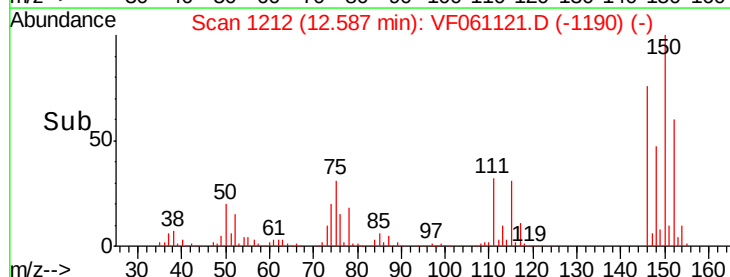
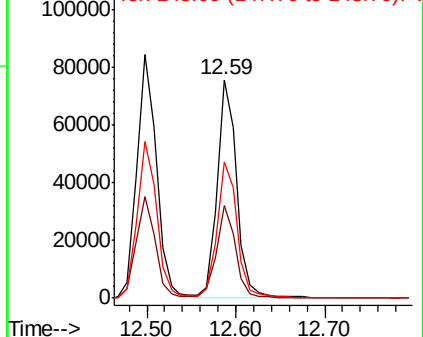
148 62.2 32.4 97.0

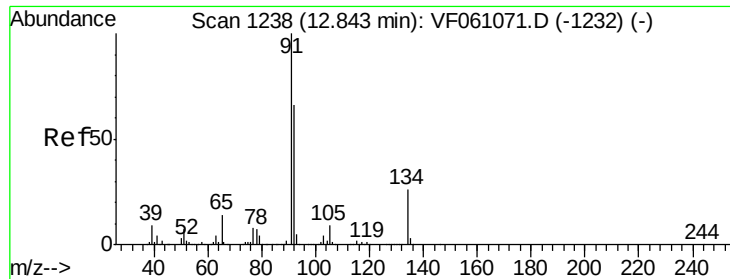


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

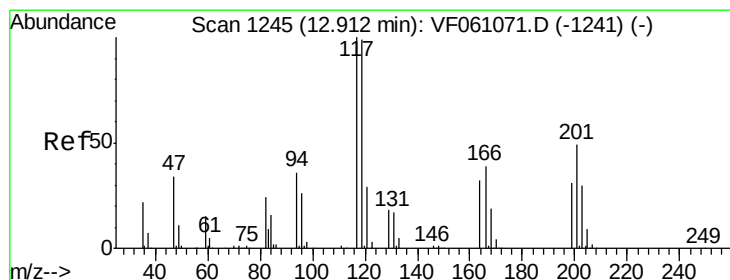
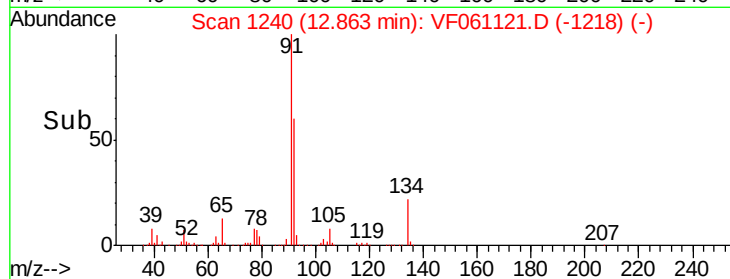
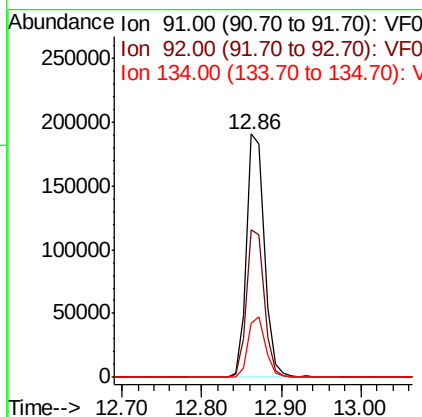
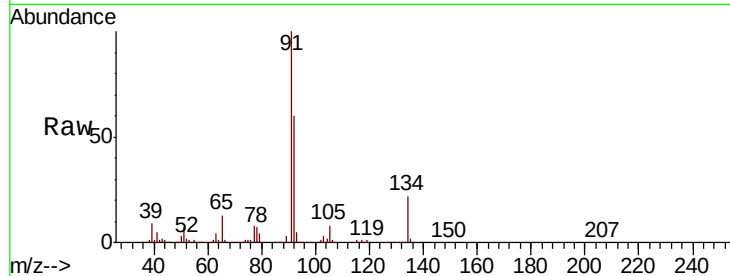




#89
n-Butylbenzene
Concen: 19.500 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

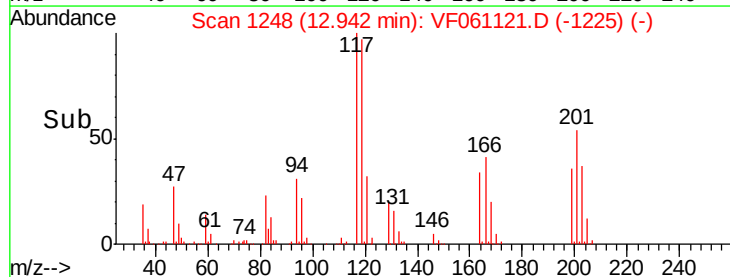
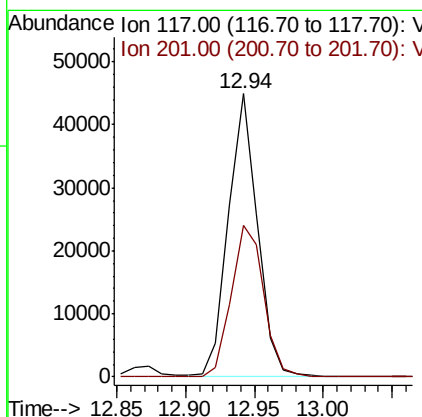
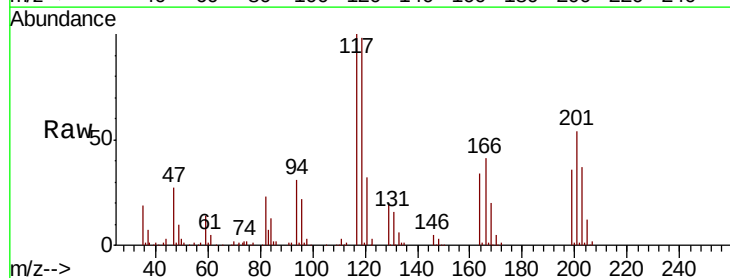
Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

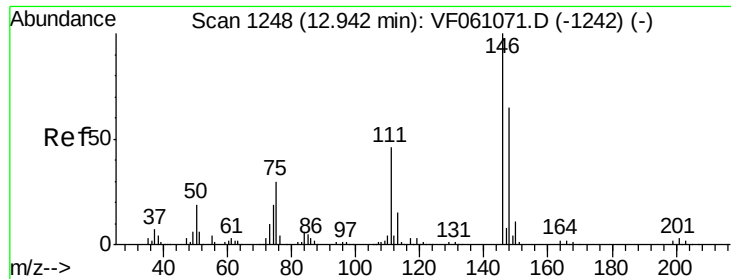
Tot Ion: 91 Resp: 294039
Ion Ratio Lower Upper
91 100
92 60.5 32.8 98.4
134 22.2 13.2 39.5



#90
Hexachloroethane
Concen: 20.401 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. 0.03 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

Tgt Ion: 117 Resp: 66203
Ion Ratio Lower Upper
117 100
201 53.5 24.9 74.8

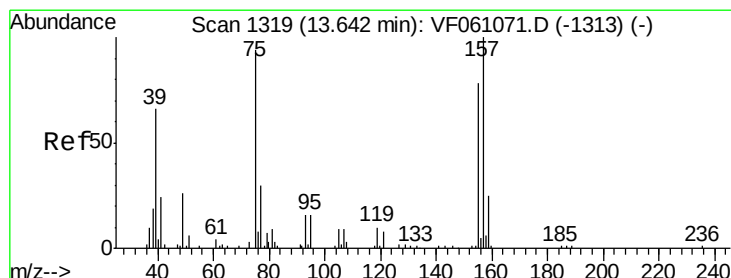
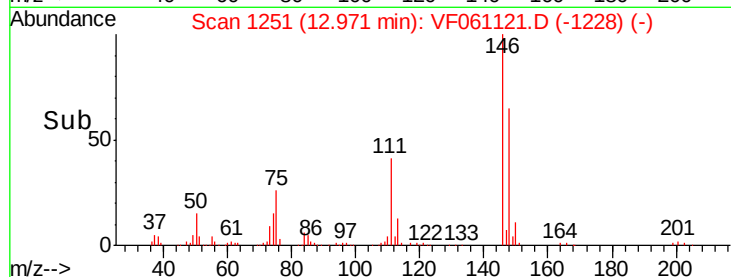
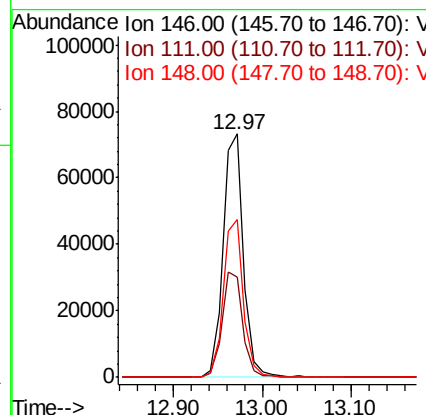
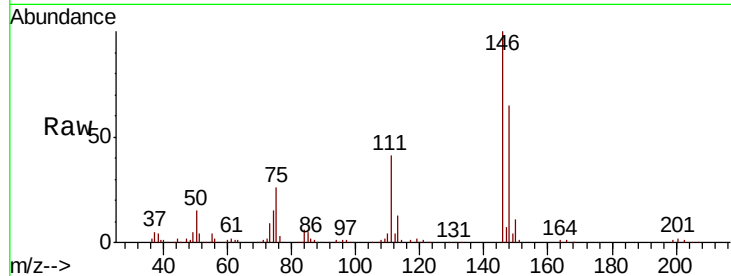




#91
 1,2-Dichlorobenzene
 Concen: 21.332 ug/l
 RT: 12.97 min Scan# 1251
 Delta R.T. 0.03 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

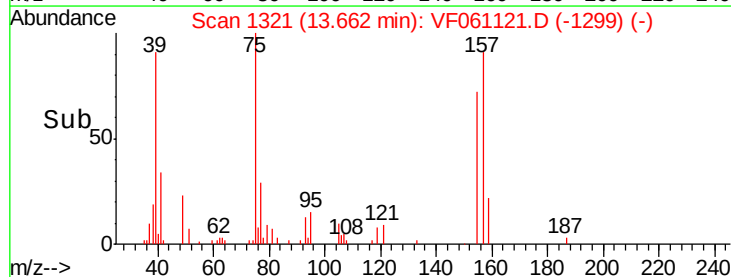
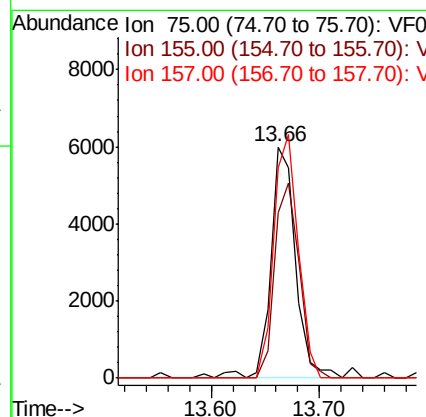
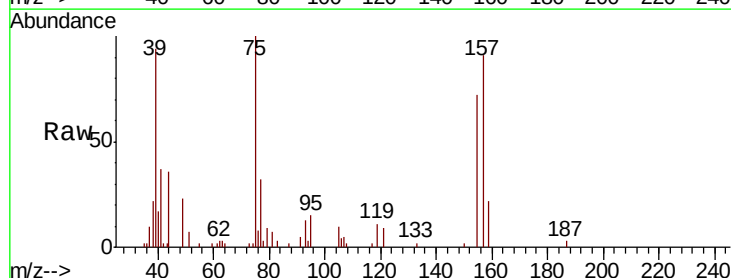
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

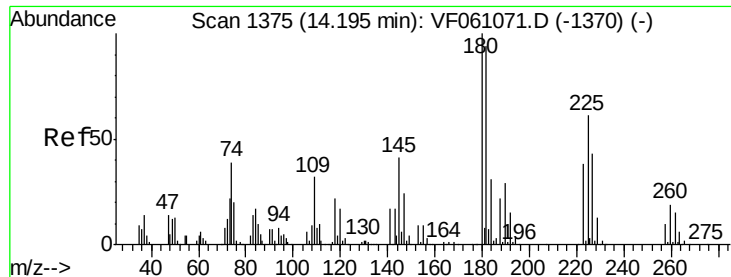
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	23.2	69.5
148	64.7	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.524 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. 0.02 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.5	41.5	124.5
157	91.0	53.2	159.6

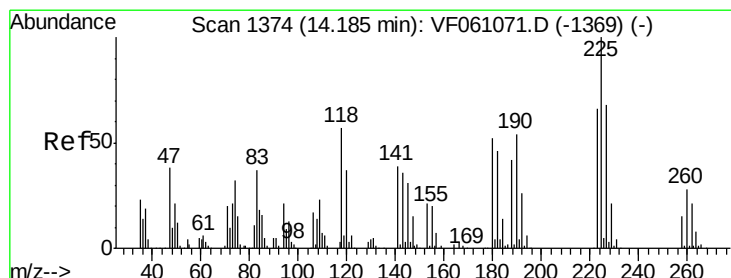
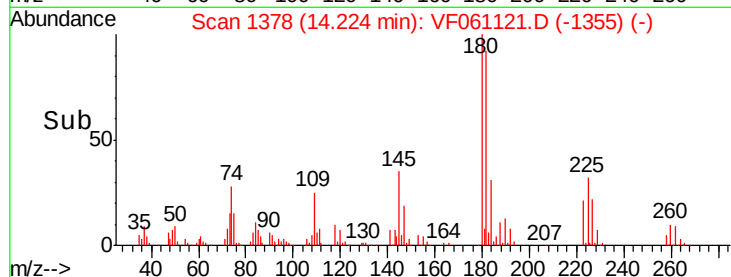
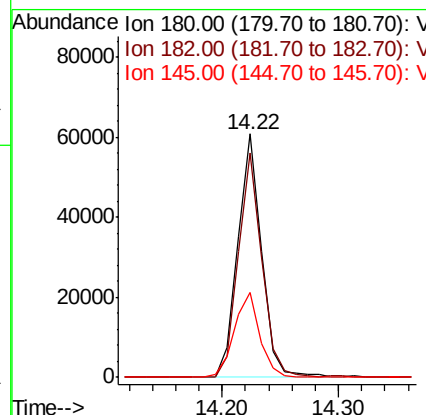
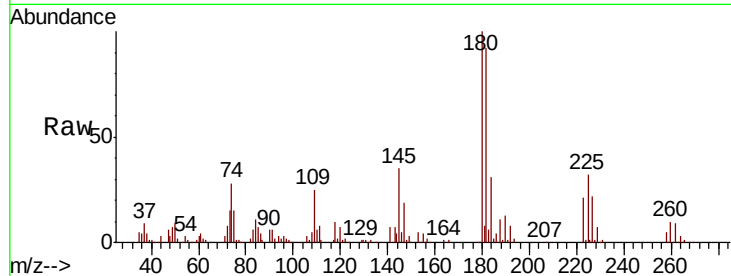




#93
 1,2,4-Trichlorobenzene
 Concen: 22.082 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.03 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

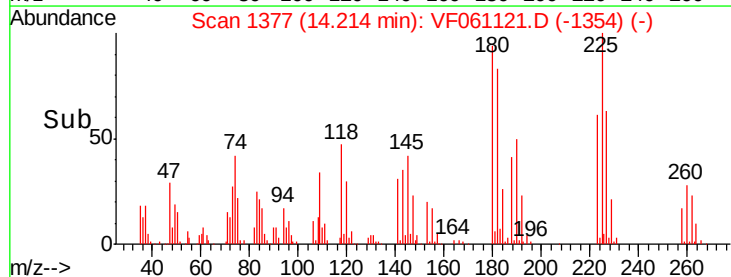
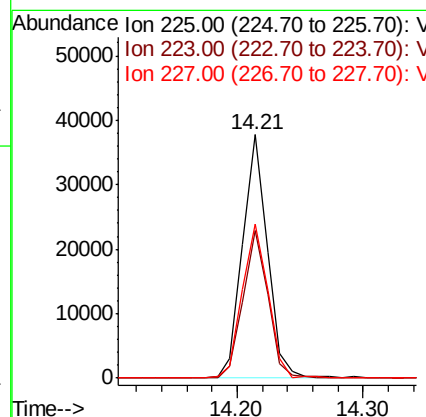
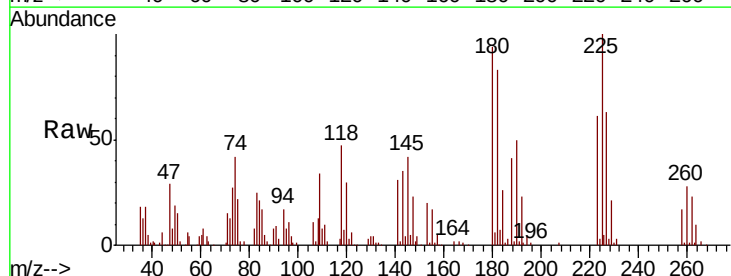
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

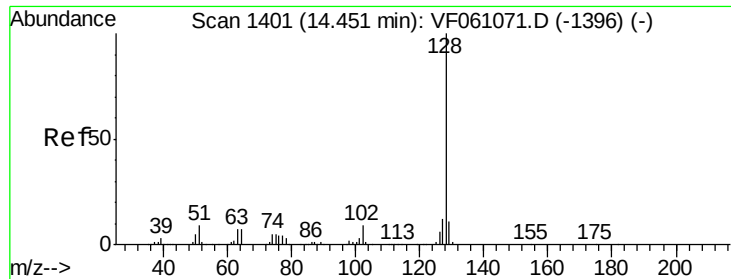
Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	46.9	140.6
145	34.9	20.5	61.6



#94
 Hexachlorobutadiene
 Concen: 20.639 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.03 min
 Lab File: VF061121.D
 Acq: 21 Dec 2018 12:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	32.8	98.3
227	63.5	34.0	101.8

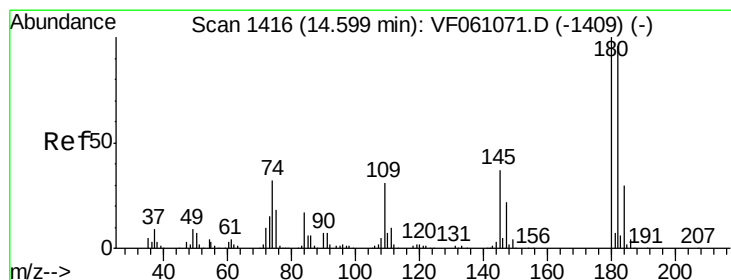
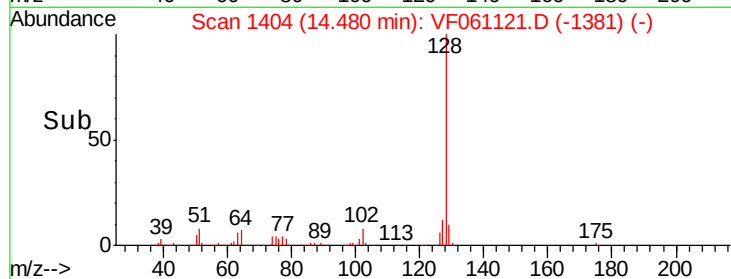
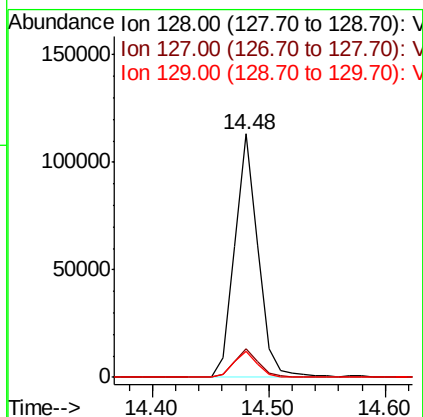
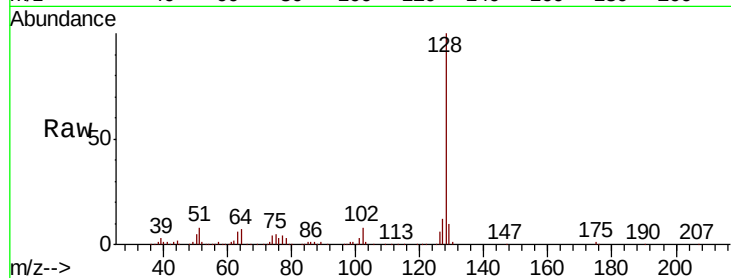




#95
Naphthalene
Concen: 22.181 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. 0.03 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tot Ion:128 Resp: 158196
Ion Ratio Lower Upper
128 100
127 11.8 9.4 14.2
129 10.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.282 ug/l
RT: 14.63 min Scan# 1419
Delta R.T. 0.03 min
Lab File: VF061121.D
Acq: 21 Dec 2018 12:53

Tgt Ion:180 Resp: 76843
Ion Ratio Lower Upper
180 100
182 96.1 47.9 143.8
145 33.5 18.6 55.8

