

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
 Data File : VF062057.D
 Acq On : 21 Mar 2019 13:33
 Operator : VA/AP
 Sample : VF0321SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBSD01

Quant Time: Mar 22 08:06:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	294613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	464441	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	361527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	188827	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	96878	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
35) Dibromofluoromethane	4.12	113	147818	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
50) Toluene-d8	7.56	98	404549	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	
62) 4-Bromofluorobenzene	11.41	95	156988	43.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	69350	22.081	ug/l	98
3) Chloromethane	1.10	50	71513	22.406	ug/l #	87
4) Vinyl Chloride	1.14	62	67291	21.800	ug/l	100
5) Bromomethane	1.34	94	47768	22.029	ug/l	89
6) Chloroethane	1.41	64	33629	21.104	ug/l	90
7) Trichlorofluoromethane	1.49	101	61145	14.952	ug/l	89
8) Diethyl Ether	1.63	74	21016	23.117	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.85	101	60637	21.045	ug/l	92
10) Methyl Iodide	1.93	142	88929	17.630	ug/l	92
11) Tert butyl alcohol	2.58	59	12857	99.075	ug/l #	93
12) 1,1-Dichloroethene	1.81	96	56604	22.764	ug/l	93
13) Acrolein	2.01	56	14787	105.553	ug/l	95
14) Allyl chloride	2.10	41	68019	21.430	ug/l	94
15) Acrylonitrile	2.96	53	46812	118.624	ug/l	99
16) Acetone	2.25	43	54767	115.003	ug/l	97
17) Carbon Disulfide	1.77	76	23364	3.251	ug/l	99
18) Methyl Acetate	2.35	43	24379	22.590	ug/l	93
19) Methyl tert-butyl Ether	2.44	73	99477	22.078	ug/l #	91
20) Methylene Chloride	2.19	84	19138	7.702	ug/l	95
21) trans-1,2-Dichloroethene	2.31	96	49081	18.915	ug/l	94
22) Diisopropyl ether	2.81	45	175903	23.040	ug/l	96
23) Vinyl Acetate	3.19	43	367453	122.091	ug/l	99
24) 1,1-Dichloroethane	2.88	63	102927	23.186	ug/l	99
25) 2-Butanone	4.35	43	108929	115.496	ug/l	93
26) 2,2-Dichloropropane	3.61	77	42515	20.304	ug/l	96
27) cis-1,2-Dichloroethene	3.48	96	75755	23.163	ug/l	98
28) Bromochloromethane	3.72	49	42290	22.959	ug/l	99
29) Tetrahydrofuran	4.08	42	44377	108.193	ug/l	98
30) Chloroform	3.86	83	115249	22.913	ug/l	97
31) Cyclohexane	3.69	56	68142	15.538	ug/l	88
32) 1,1,1-Trichloroethane	4.11	97	65034	19.469	ug/l	98
36) 1,1-Dichloropropene	4.29	75	94316	22.488	ug/l	98
37) Ethyl Acetate	4.12	43	41907	22.253	ug/l #	90
38) Carbon Tetrachloride	3.99	117	63373	20.675	ug/l	92

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 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	107125	21.757	ug/l	99
40) Benzene	4.64	78	236258	21.259	ug/l	99
41) Methacrylonitrile	4.75	41	20843	20.716	ug/l #	89
42) 1,2-Dichloroethane	4.95	62	58964	21.313	ug/l	100
43) Isopropyl Acetate	6.96	43	46594	20.912	ug/l #	91
44) Trichloroethene	5.51	130	74077	21.759	ug/l	97
45) 1,2-Dichloropropane	6.24	63	59405	22.587	ug/l	94
46) Dibromomethane	6.09	93	34519	22.063	ug/l	96
47) Bromodichloromethane	6.39	83	78595	21.307	ug/l	99
48) Methyl methacrylate	6.72	41	28546	19.823	ug/l #	79
49) 1,4-Dioxane	6.71	88	4685	365.757	ug/l #	85
51) 4-Methyl-2-Pentanone	8.26	43	174712	110.422	ug/l	100
52) Toluene	7.63	92	142639	21.006	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	65118	20.911	ug/l	92
54) cis-1,3-Dichloropropene	7.30	75	90196	22.198	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	40162	21.192	ug/l	96
56) Ethyl methacrylate	8.63	69	47366	21.986	ug/l	90
57) 1,3-Dichloropropane	8.85	76	69754	22.065	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.29	63	36252	92.903	ug/l	92
59) 2-Hexanone	9.49	43	130036	113.562	ug/l	92
60) Dibromochloromethane	8.71	129	58296	22.158	ug/l	97
61) 1,2-Dibromoethane	8.99	107	42275	20.796	ug/l	99
64) Tetrachloroethene	8.15	164	59168	22.515	ug/l	92
65) Chlorobenzene	9.80	112	155297	23.072	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	63890	24.488	ug/l	95
67) Ethyl Benzene	9.90	91	276059	23.953	ug/l	96
68) m/p-Xylenes	10.13	106	199638	46.057	ug/l	94
69) o-Xylene	10.72	106	112834	24.327	ug/l	95
70) Styrene	10.79	104	152699	23.764	ug/l	96
71) Bromoform	10.77	173	30709	23.270	ug/l	98
73) Isopropylbenzene	11.12	105	322412	24.715	ug/l	97
74) N-amyl acetate	11.38	43	75936	25.404	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	51735	24.026	ug/l	91
76) 1,2,3-Trichloropropane	11.79	75	35159	23.351	ug/l	93
77) Bromobenzene	11.49	156	63915	21.157	ug/l	95
78) n-propylbenzene	11.59	91	364087	24.272	ug/l	98
79) 2-Chlorotoluene	11.72	91	207045	24.453	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	250054	23.729	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	21959	32.966	ug/l	98
82) 4-Chlorotoluene	11.90	91	204831	23.923	ug/l	98
83) tert-Butylbenzene	12.13	119	276941	25.129	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	255707	24.226	ug/l	96
85) sec-Butylbenzene	12.30	105	373044	25.054	ug/l	99
86) p-Isopropyltoluene	12.46	119	309234	24.889	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	140959	23.740	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	135607	23.728	ug/l	99
89) n-Butylbenzene	12.85	91	297655	25.495	ug/l	98
90) Hexachloroethane	12.91	117	71156	25.095	ug/l	94
91) 1,2-Dichlorobenzene	12.94	146	136443	24.811	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8468	24.507	ug/l	76

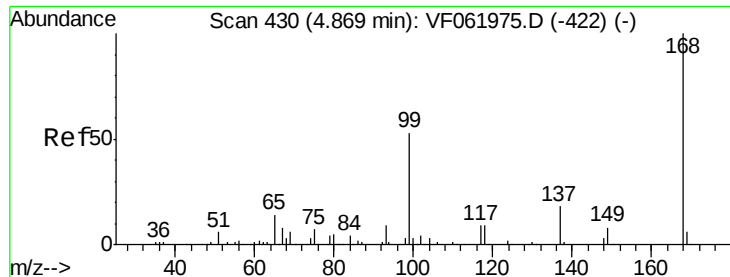
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
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Quant Title : SW846 8260
QLast Update : Fri Mar 22 03:22:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	90029	23.509	ug/l	99
94) Hexachlorobutadiene	14.19	225	59958	23.584	ug/l	95
95) Naphthalene	14.45	128	153113	22.231	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	80588	22.874	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

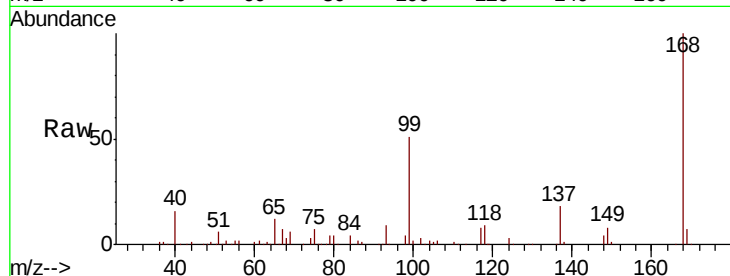
VF0321SBSD01

Tgt Ion:168 Resp: 294613

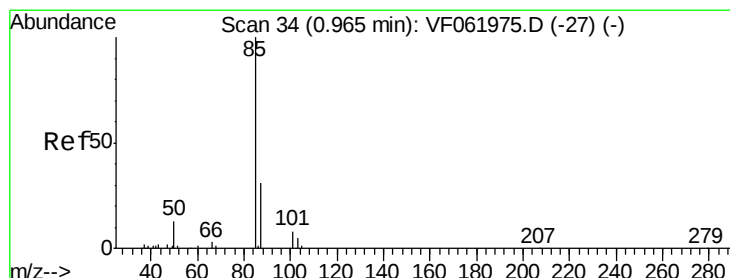
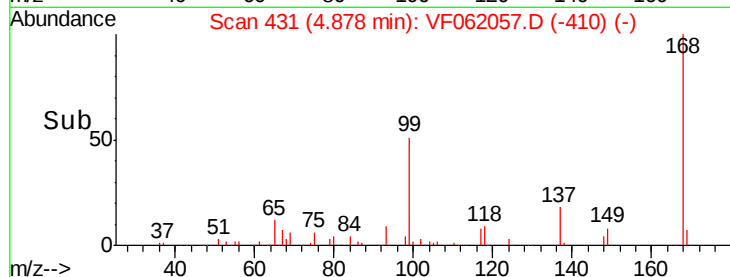
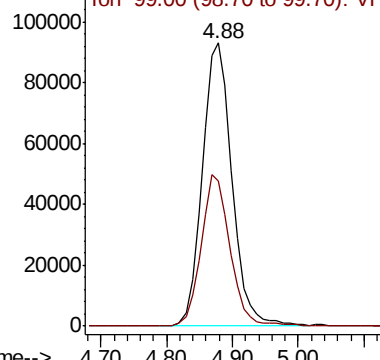
Ion Ratio Lower Upper

168 100

99 51.2 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 22.081 ug/l

RT: 0.97 min Scan# 35

Delta R.T. 0.01 min

Lab File: VF062057.D

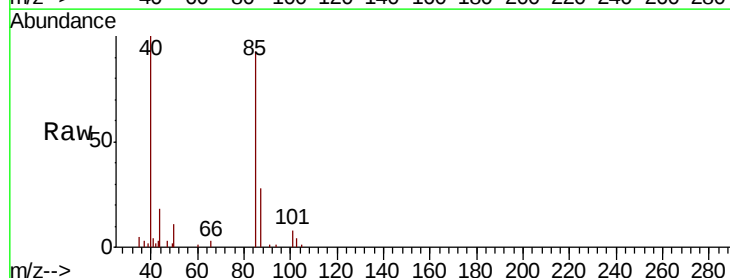
Acq: 21 Mar 2019 13:33

Tgt Ion: 85 Resp: 69350

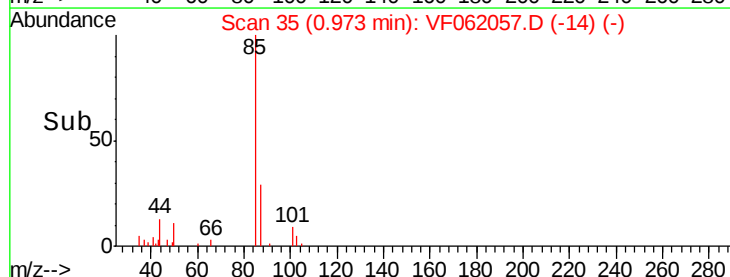
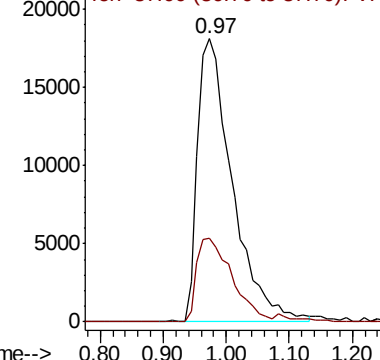
Ion Ratio Lower Upper

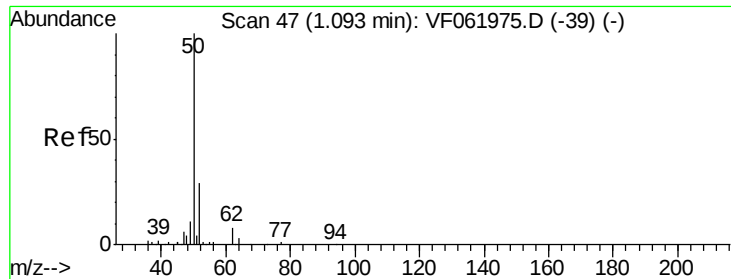
85 100

87 29.5 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 22.406 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

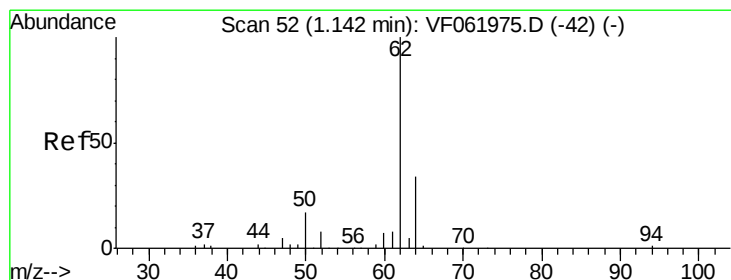
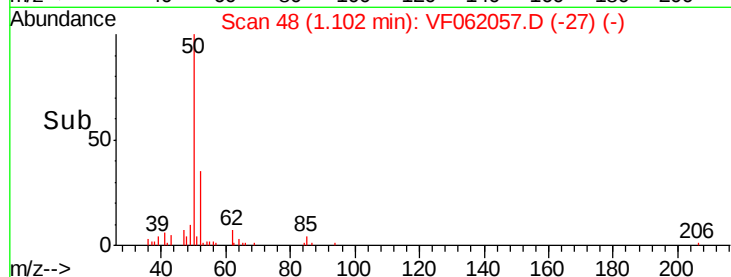
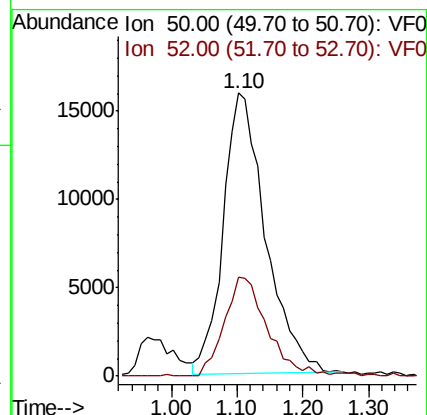
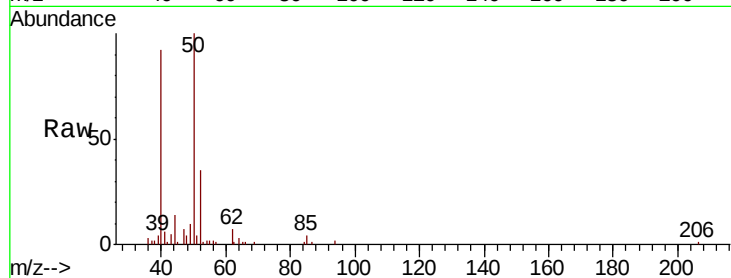
VF0321SBS01

Tgt Ion: 50 Resp: 71513

Ion Ratio Lower Upper

50 100

52 34.9 22.6 34.0#



#4

Vinyl Chloride

Concen: 21.800 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF062057.D

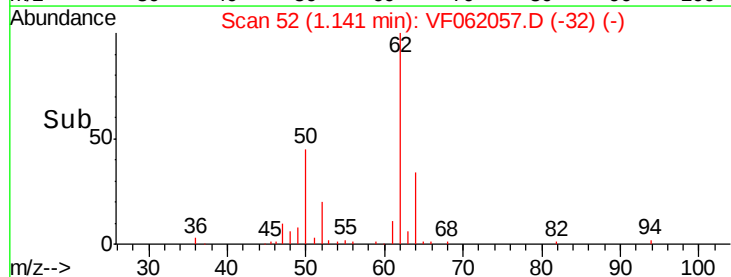
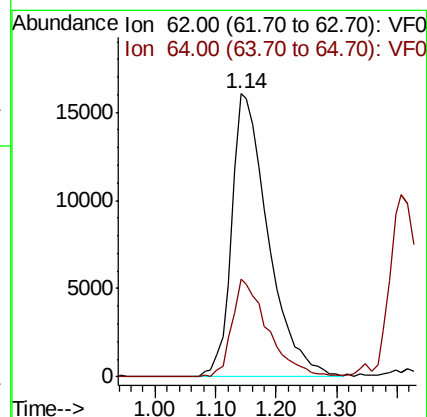
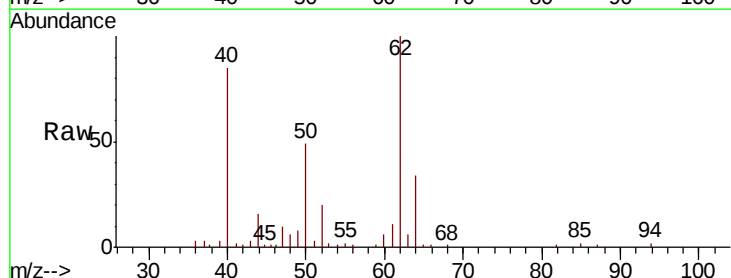
Acq: 21 Mar 2019 13:33

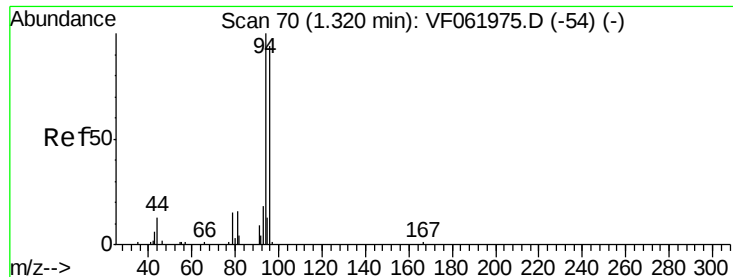
Tgt Ion: 62 Resp: 67291

Ion Ratio Lower Upper

62 100

64 34.3 27.4 41.2





#5

Bromomethane

Concen: 22.029 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.02 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

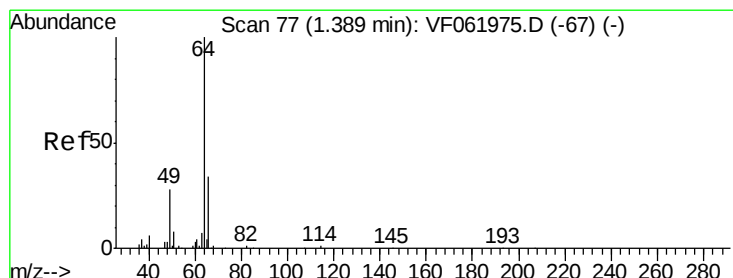
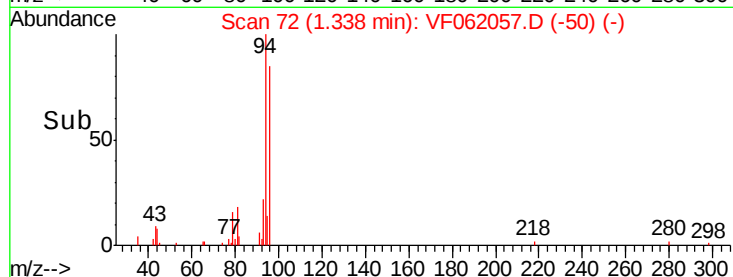
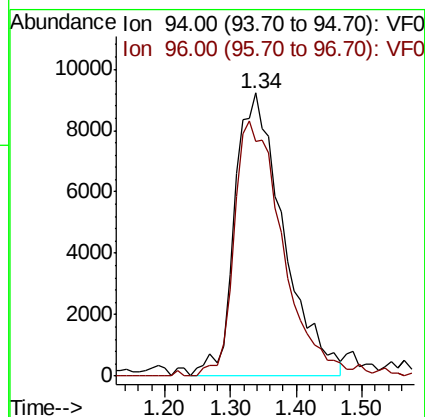
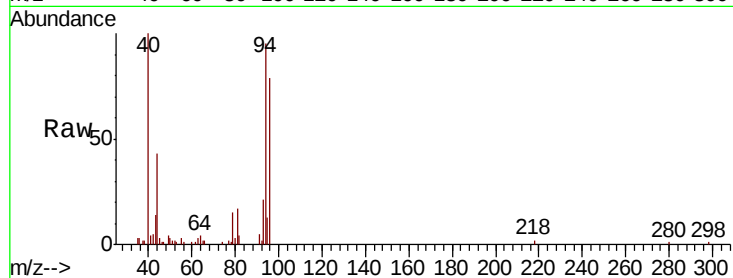
VF0321SBSD01

Tgt Ion: 94 Resp: 47768

Ion Ratio Lower Upper

94 100

96 82.9 75.0 112.6



#6

Chloroethane

Concen: 21.104 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF062057.D

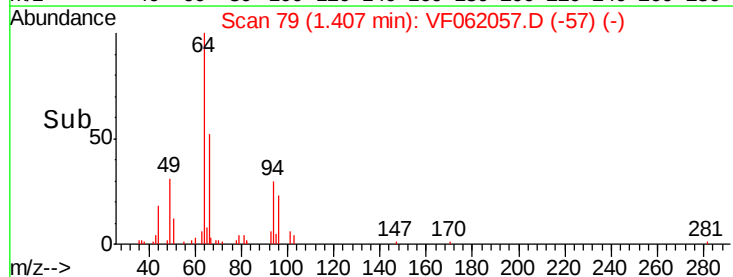
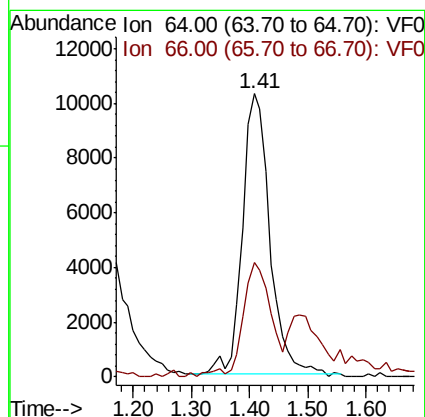
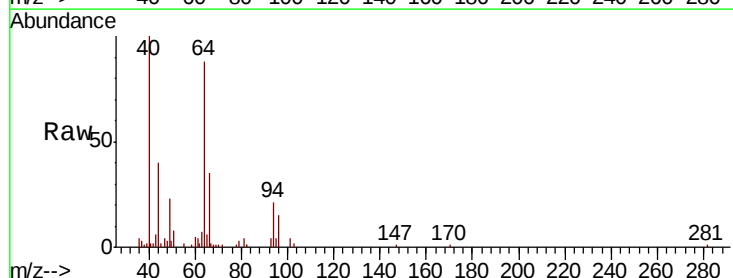
Acq: 21 Mar 2019 13:33

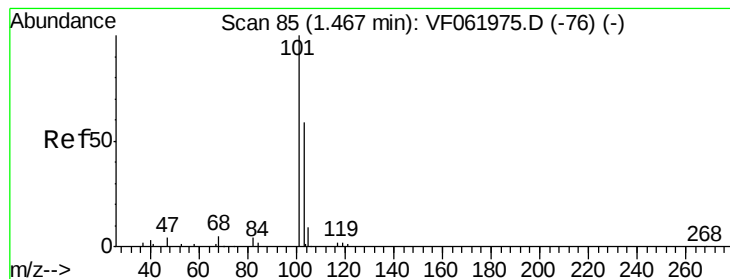
Tgt Ion: 64 Resp: 33629

Ion Ratio Lower Upper

64 100

66 40.3 27.6 41.4





#7

Trichlorofluoromethane

Concen: 14.952 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.02 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

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ClientSampleId :

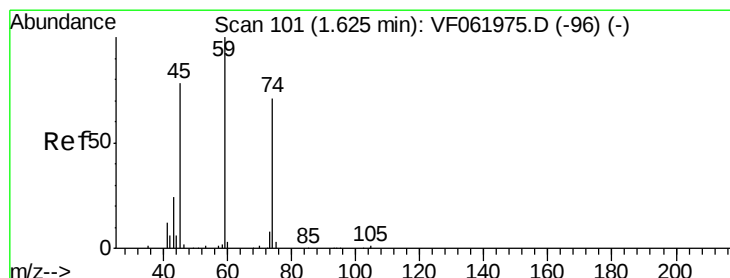
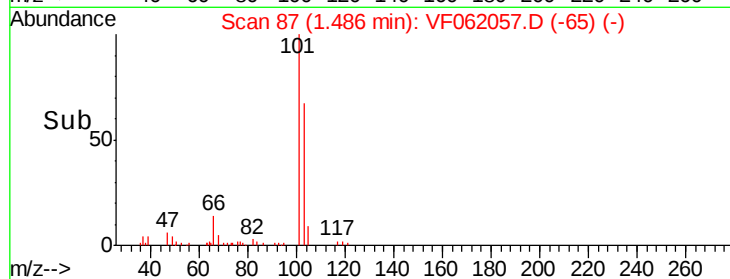
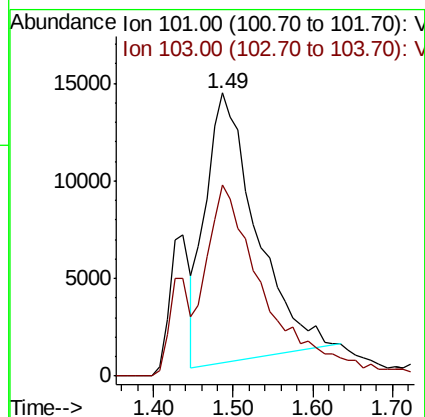
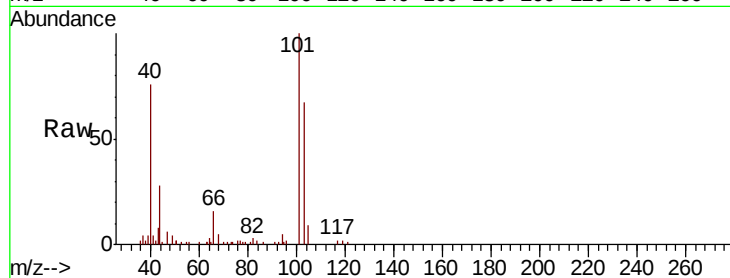
VF0321SBSD01

Tgt Ion:101 Resp: 61145

Ion Ratio Lower Upper

101 100

103 67.3 47.3 70.9



#8

Diethyl Ether

Concen: 23.117 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF062057.D

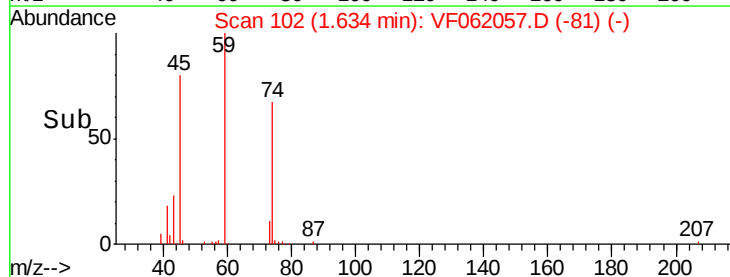
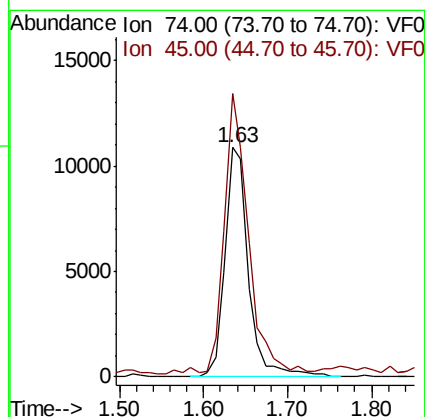
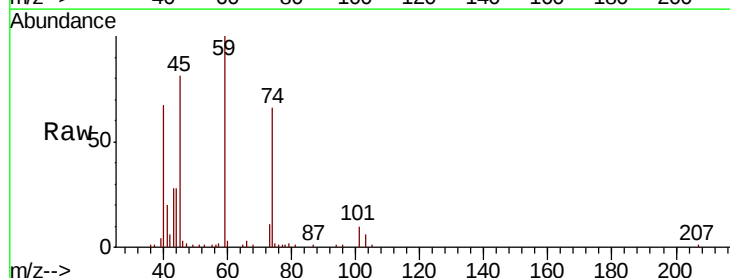
Acq: 21 Mar 2019 13:33

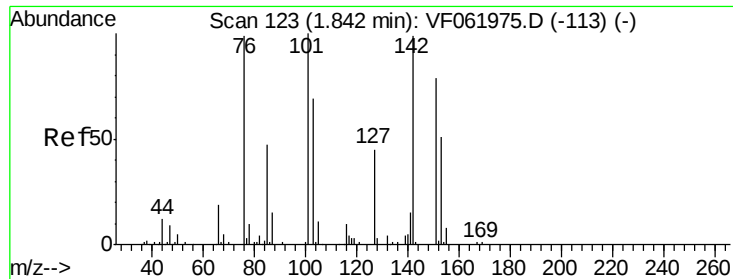
Tgt Ion: 74 Resp: 21016

Ion Ratio Lower Upper

74 100

45 123.5 56.3 168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.045 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

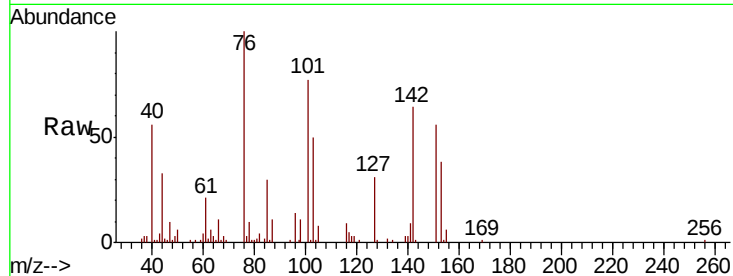
Tgt Ion:101 Resp: 60637

Ion Ratio Lower Upper

101 100

85 39.2 36.8 55.2

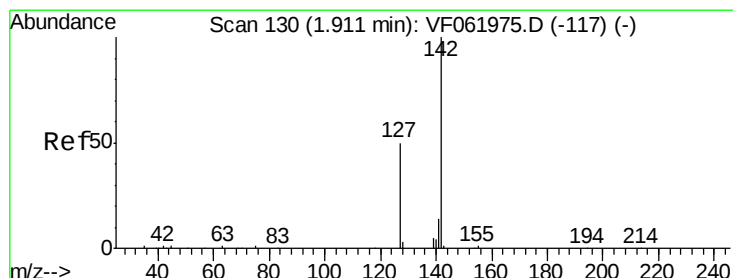
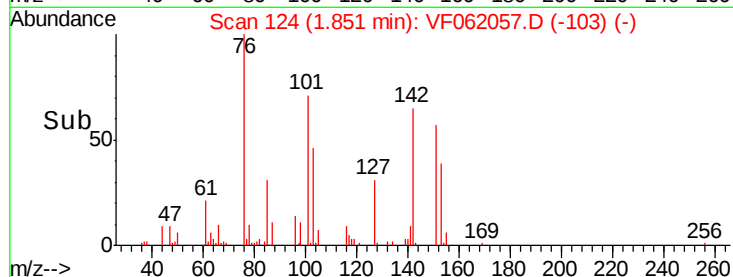
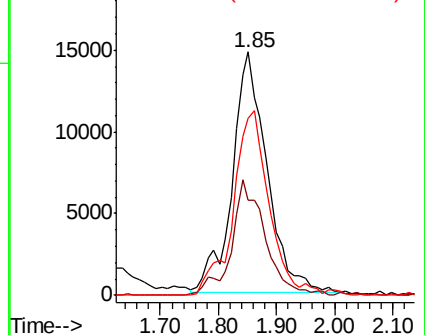
151 72.5 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 17.630 ug/l

RT: 1.93 min Scan# 132

Delta R.T. 0.02 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

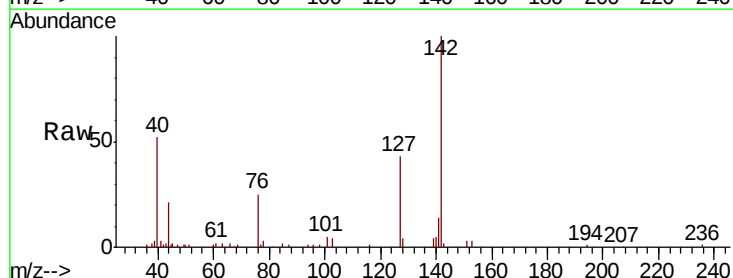
Tgt Ion:142 Resp: 88929

Ion Ratio Lower Upper

142 100

127 43.2 39.7 59.5

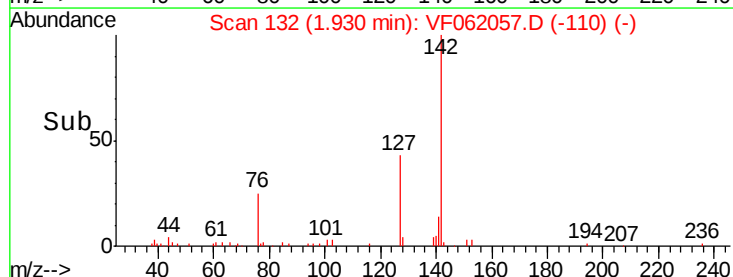
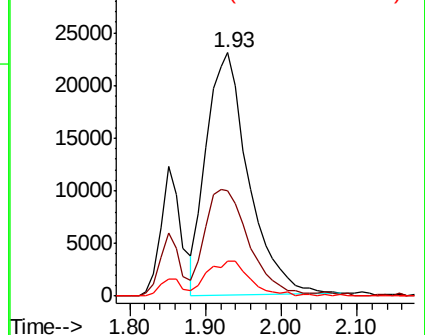
141 14.5 10.8 16.2

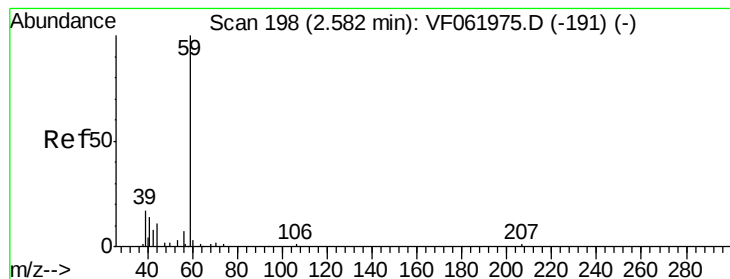


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



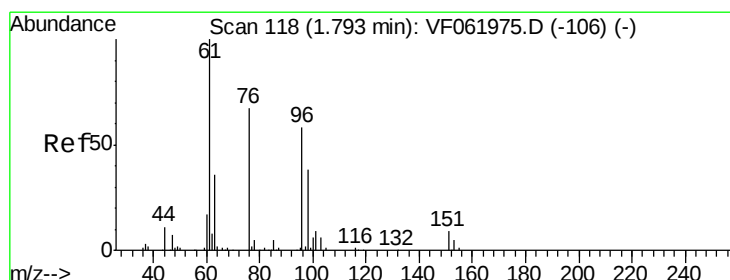
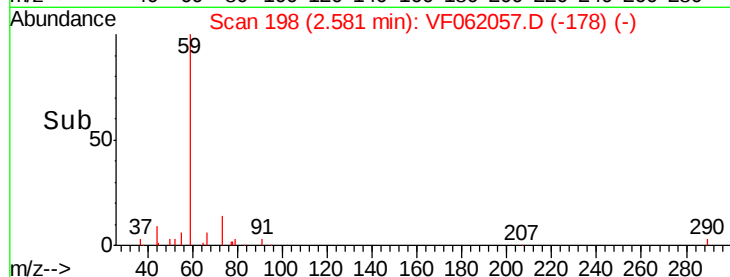
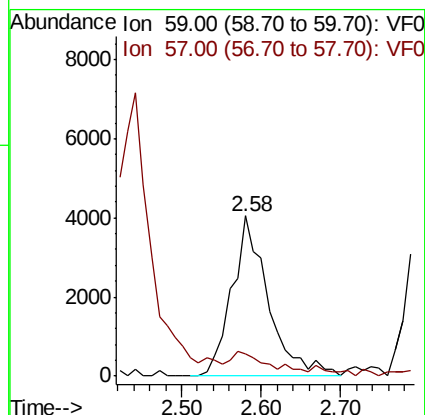
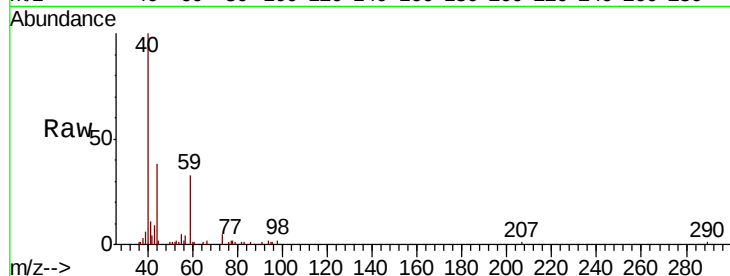


#11

Tert butyl alcohol
 Concen: 99.075 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. -0.00 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

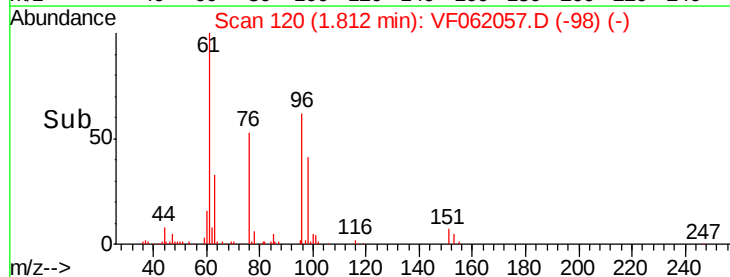
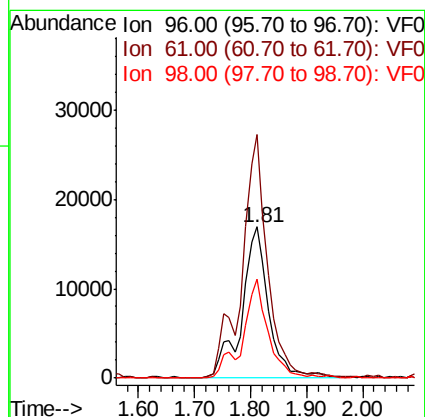
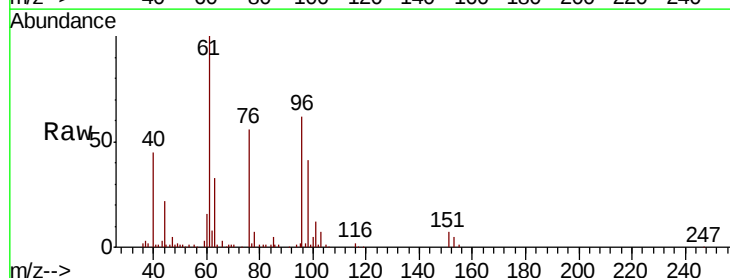
Tgt Ion: 59 Resp: 12857
 Ion Ratio Lower Upper
 59 100
 57 13.5 8.7 13.1#

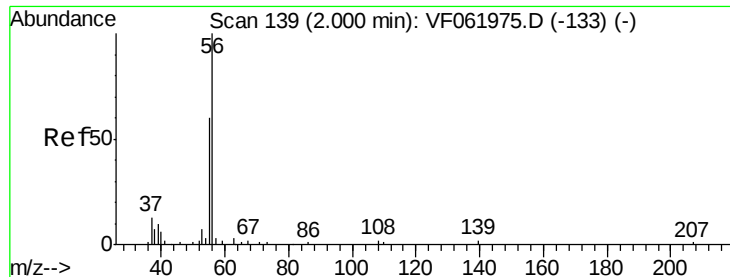


#12

1,1-Dichloroethene
 Concen: 22.764 ug/l
 RT: 1.81 min Scan# 120
 Delta R.T. 0.02 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

Tgt Ion: 96 Resp: 56604
 Ion Ratio Lower Upper
 96 100
 61 161.1 138.6 208.0
 98 65.3 53.2 79.8





#13

Acrolein

Concen: 105.553 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

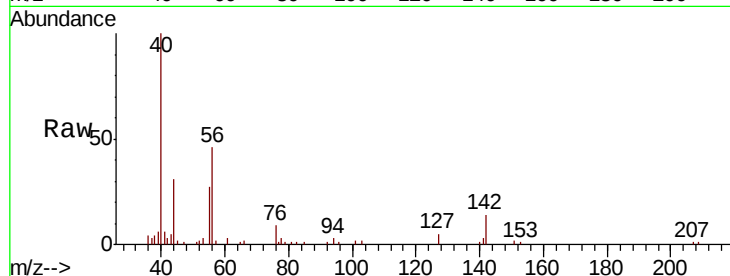
VF0321SBSD01

Tgt Ion: 56 Resp: 14787

Ion Ratio Lower Upper

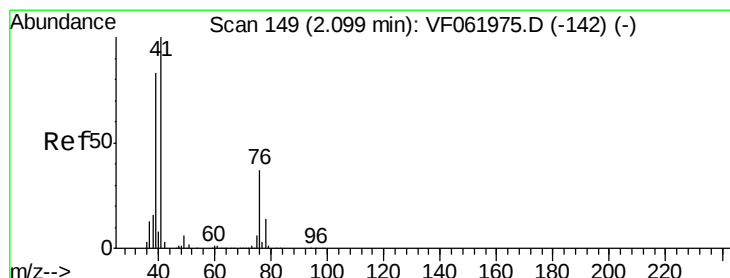
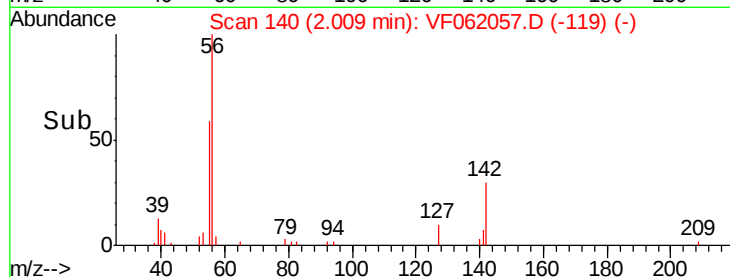
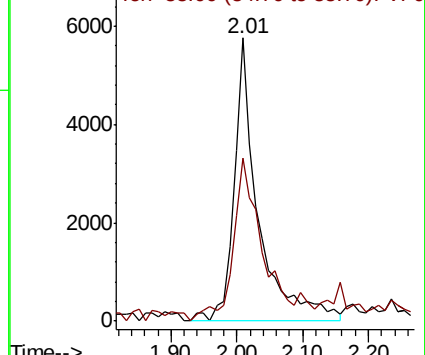
56 100

55 57.8 49.1 73.7



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 21.430 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

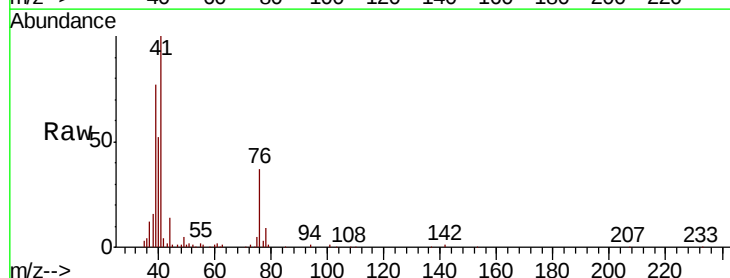
Tgt Ion: 41 Resp: 68019

Ion Ratio Lower Upper

41 100

39 77.0 66.8 100.2

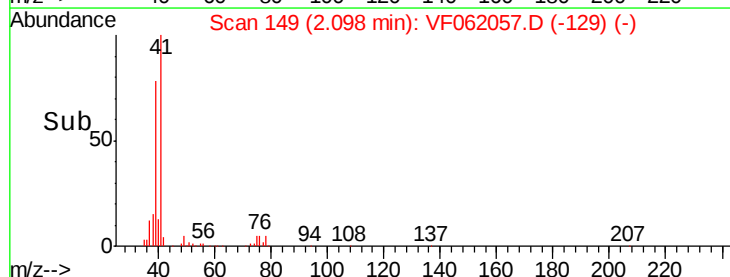
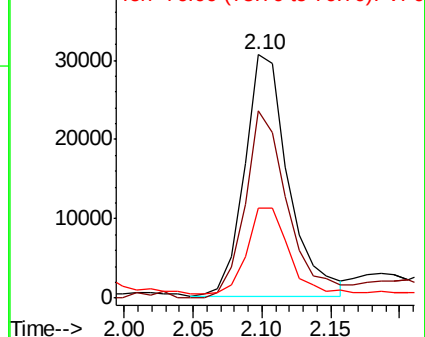
76 37.2 31.1 46.7

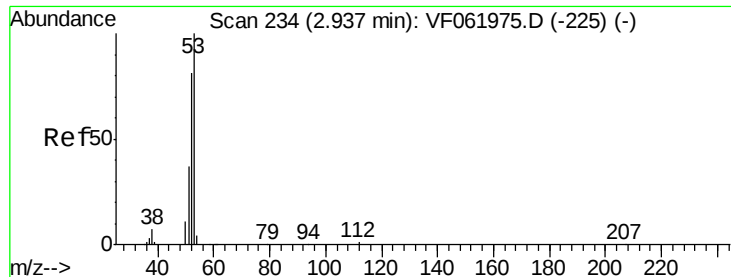


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 118.624 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.02 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

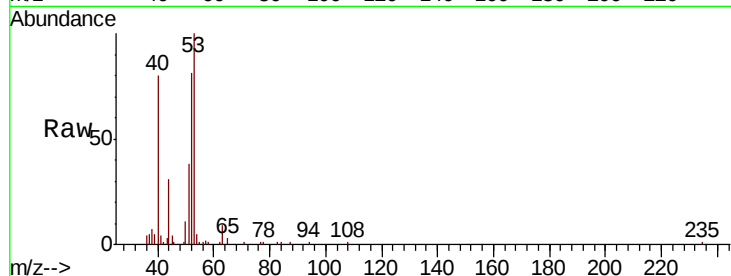
Tgt Ion: 53 Resp: 46812

Ion Ratio Lower Upper

53 100

52 81.5 64.4 96.6

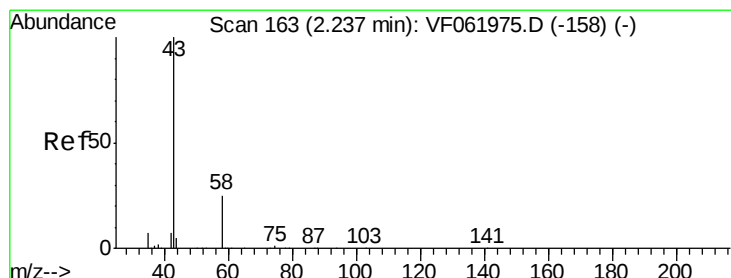
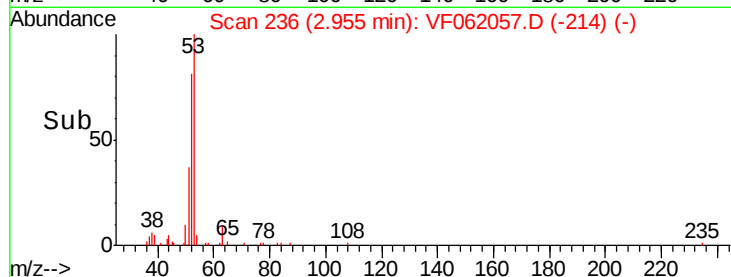
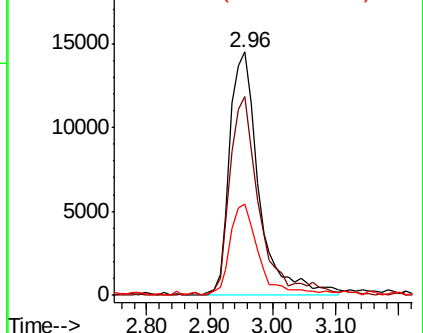
51 37.6 30.3 45.5



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: 115.003 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF062057.D

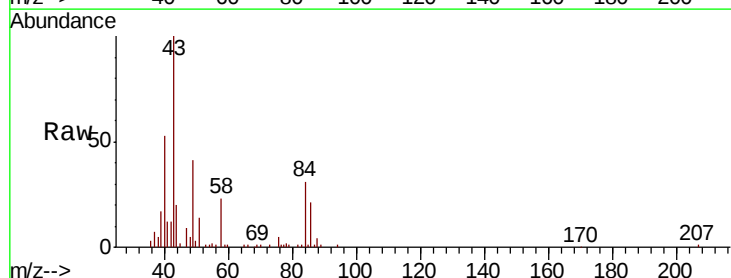
Acq: 21 Mar 2019 13:33

Tgt Ion: 43 Resp: 54767

Ion Ratio Lower Upper

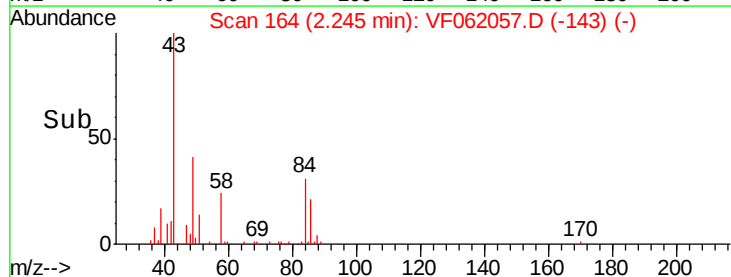
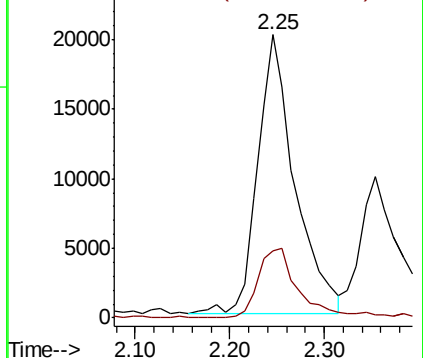
43 100

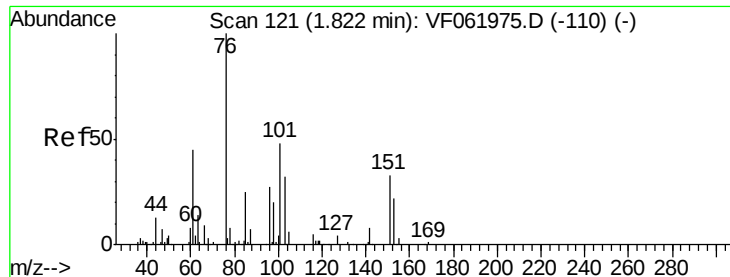
58 23.5 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

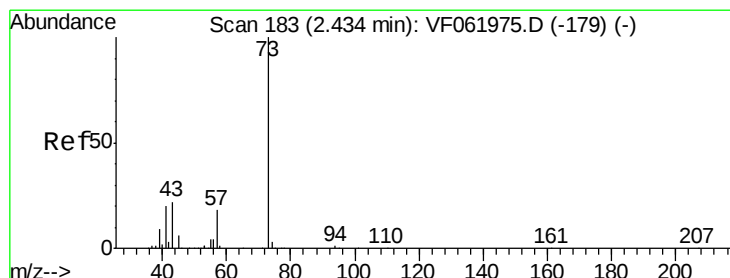
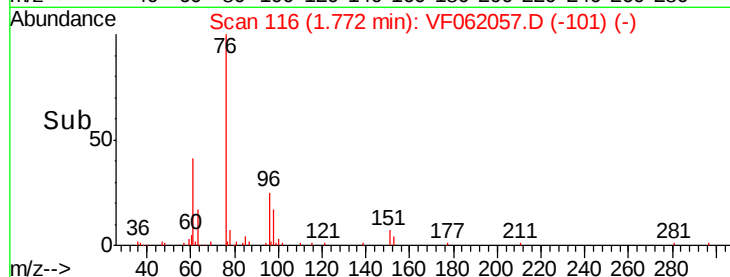
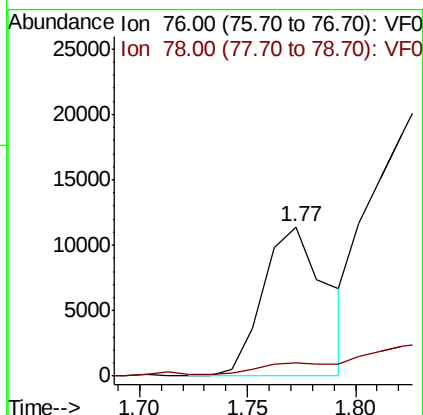
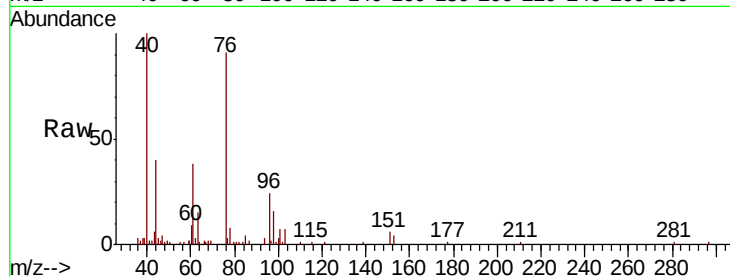




#17
Carbon Disulfide
Concen: 3.251 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.05 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

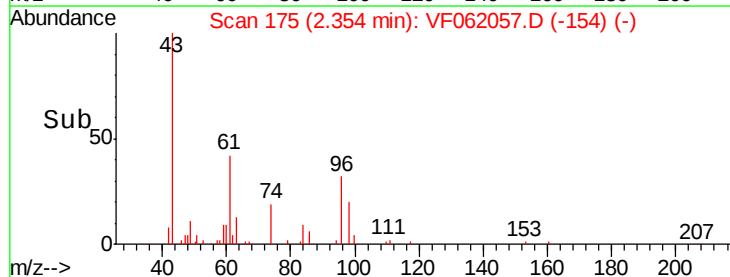
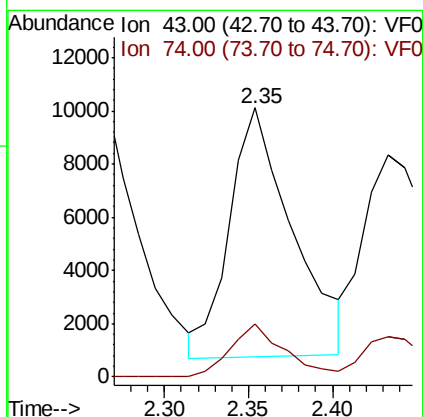
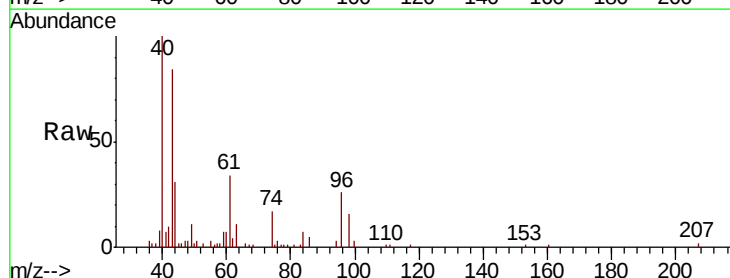
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

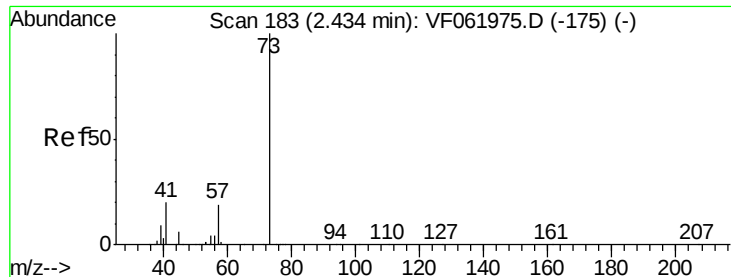
Tgt Ion: 76 Resp: 23364
Ion Ratio Lower Upper
76 100
78 8.8 6.8 10.2



#18
Methyl Acetate
Concen: 22.590 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

Tgt Ion: 43 Resp: 24379
Ion Ratio Lower Upper
43 100
74 19.7 18.3 27.5





#19

Methyl tert-butyl Ether

Concen: 22.078 ug/l

RT: 2.44 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

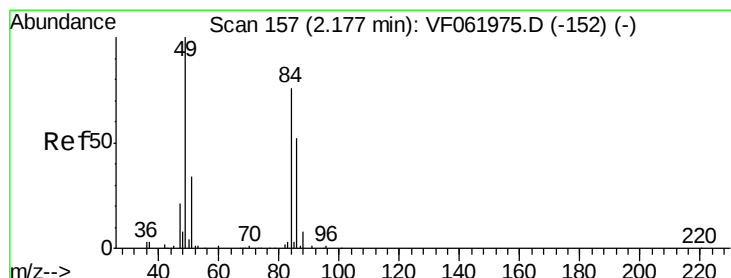
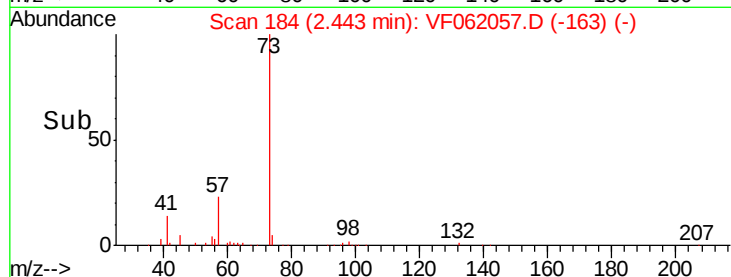
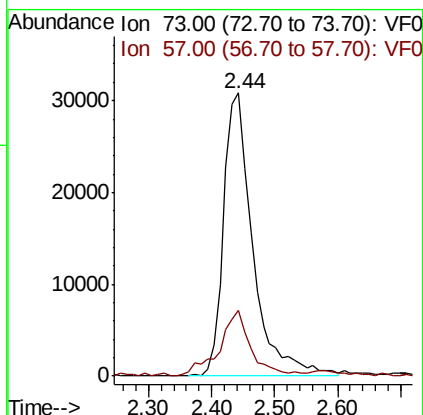
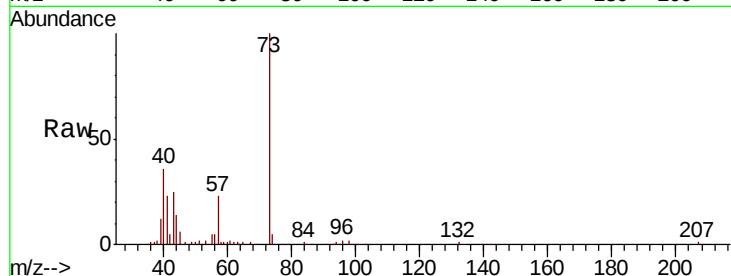
VF0321SBS01

Tgt Ion: 73 Resp: 99477

Ion Ratio Lower Upper

73 100

57 23.2 15.3 22.9#



#20

Methylene Chloride

Concen: 7.702 ug/l

RT: 2.19 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Tgt Ion: 84 Resp: 19138

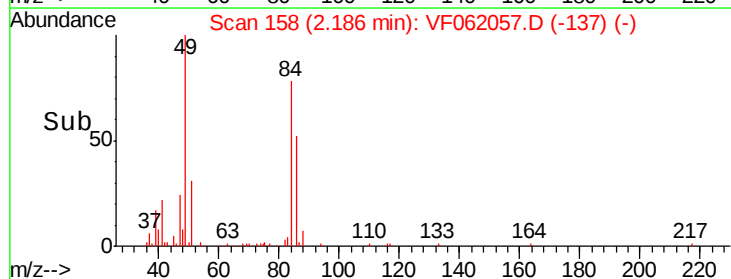
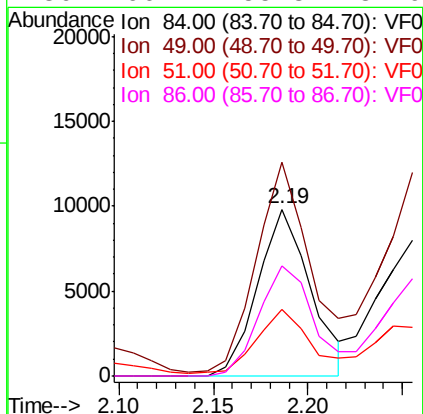
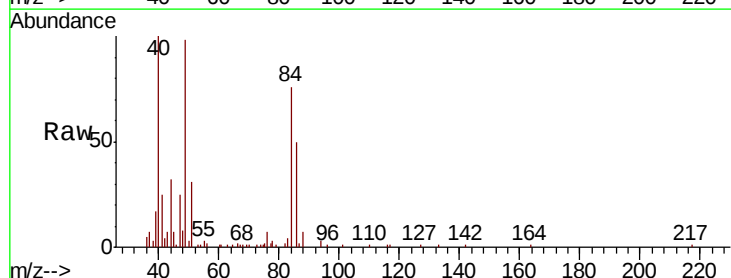
Ion Ratio Lower Upper

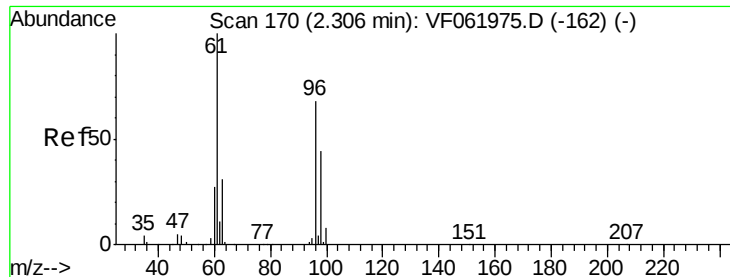
84 100

49 128.3 107.0 160.6

51 40.2 37.2 55.8

86 66.1 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 18.915 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

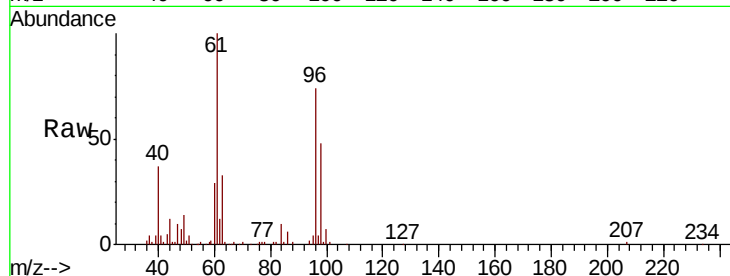
Tgt Ion: 96 Resp: 49081

Ion Ratio Lower Upper

96 100

61 135.9 117.4 176.2

98 64.9 51.2 76.8

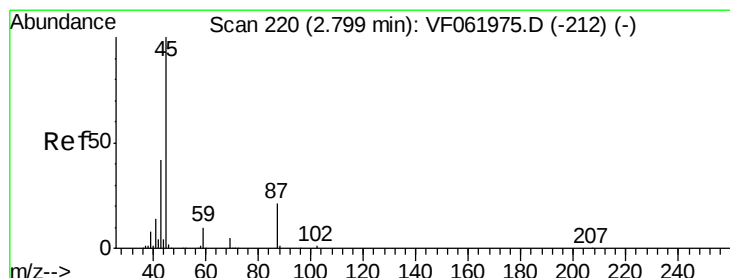
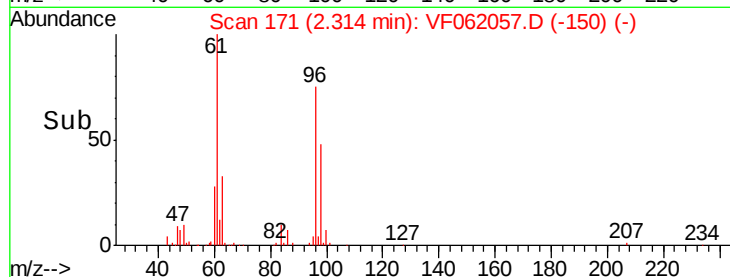
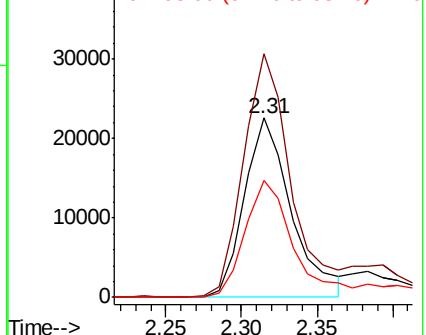


Abundance

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: 23.040 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Tgt Ion: 45 Resp: 175903

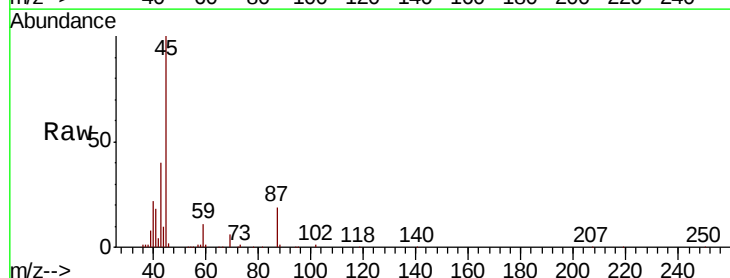
Ion Ratio Lower Upper

45 100

43 39.6 33.7 50.5

87 19.4 17.1 25.7

59 11.2 8.0 12.0



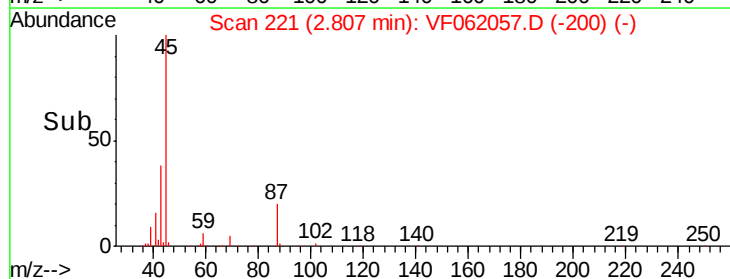
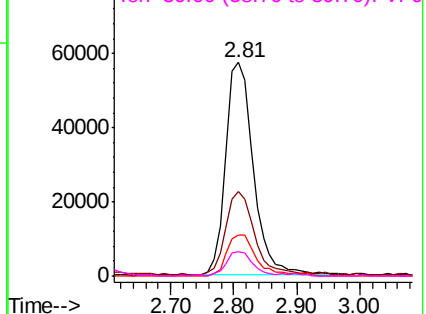
Abundance

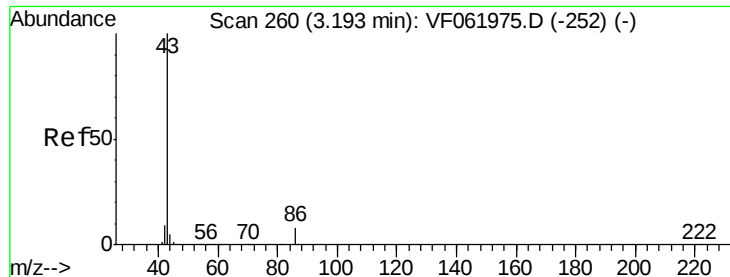
Ion 45.00 (44.70 to 45.70): VF0

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: 122.091 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

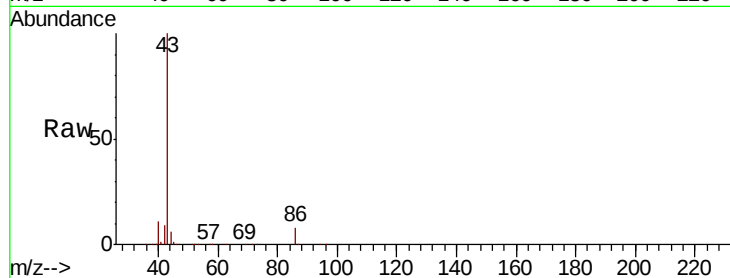
VF0321SBS01

Tgt Ion: 43 Resp: 367453

Ion Ratio Lower Upper

43 100

86 7.8 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.19

150000

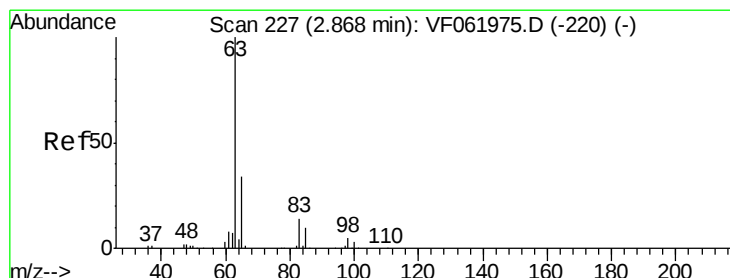
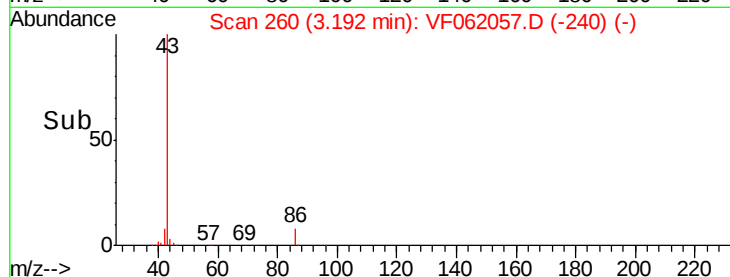
100000

50000

0

Time-->

3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 23.186 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

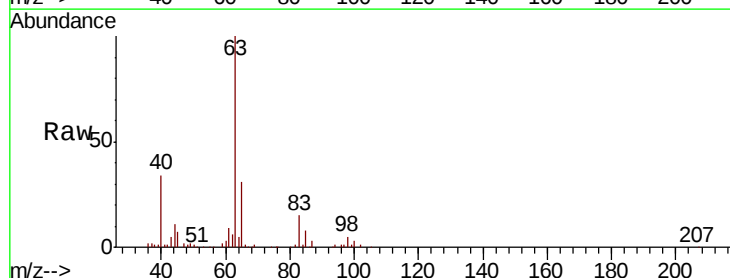
Tgt Ion: 63 Resp: 102927

Ion Ratio Lower Upper

63 100

98 5.0 2.7 8.1

100 3.2 1.7 5.0



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

50000

40000

30000

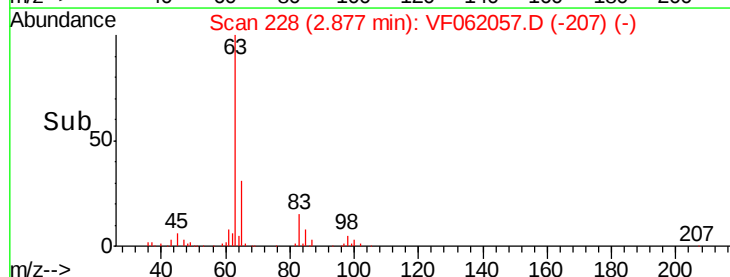
20000

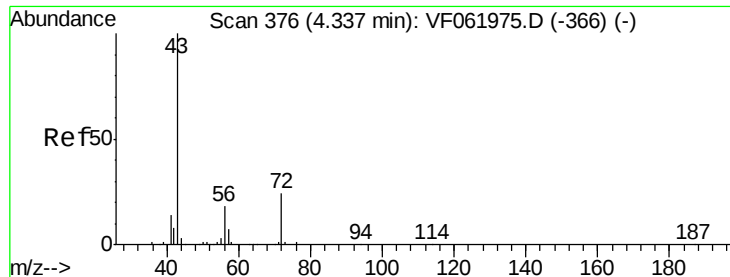
10000

0

Time-->

2.80 2.90 3.00





#25

2-Butanone

Concen: 115.496 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

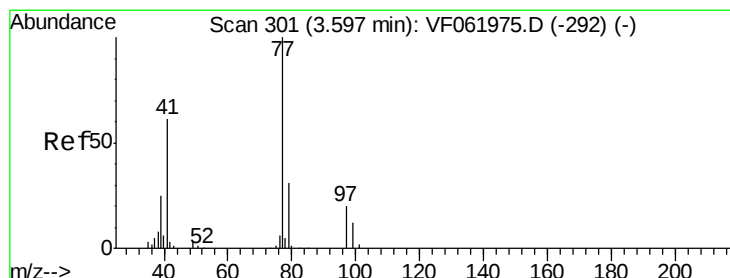
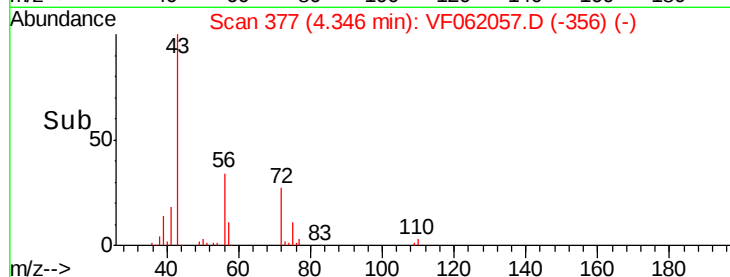
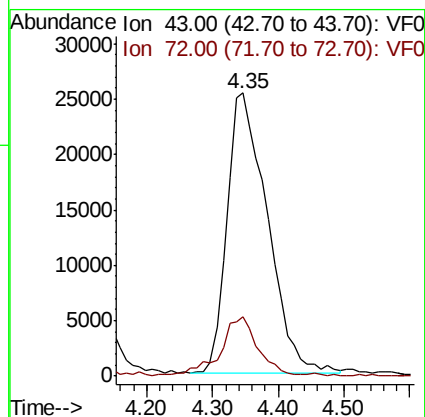
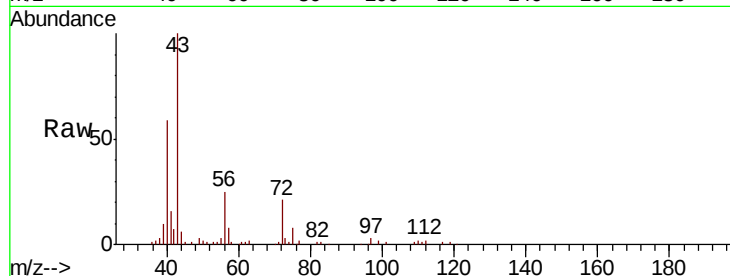
VF0321SBS01

Tgt Ion: 43 Resp: 108929

Ion Ratio Lower Upper

43 100

72 21.1 19.8 29.6



#26

2,2-Dichloropropane

Concen: 20.304 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.01 min

Lab File: VF062057.D

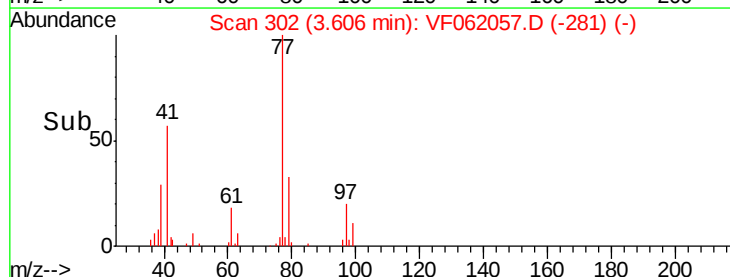
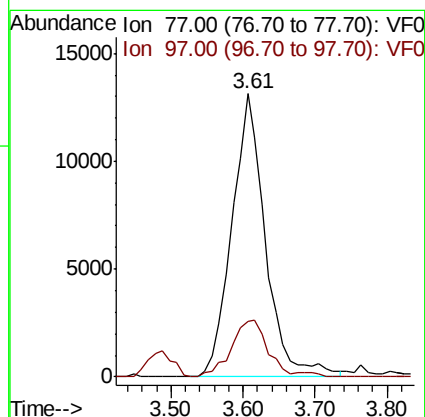
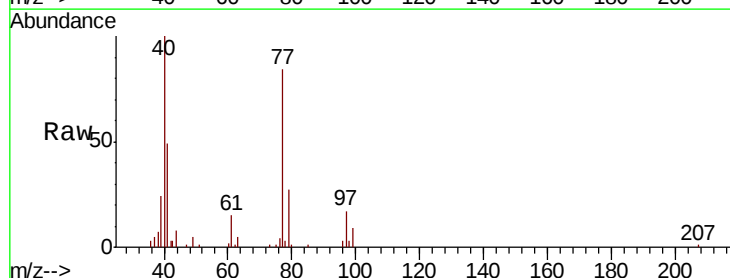
Acq: 21 Mar 2019 13:33

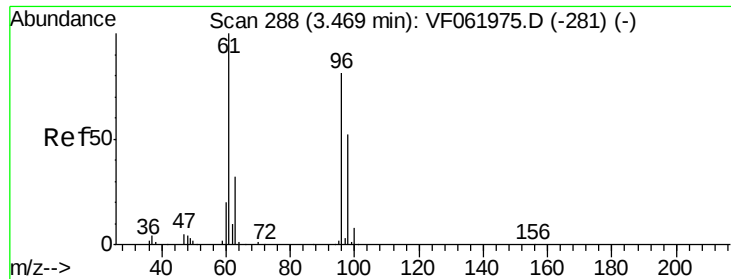
Tgt Ion: 77 Resp: 42515

Ion Ratio Lower Upper

77 100

97 19.8 10.8 32.4



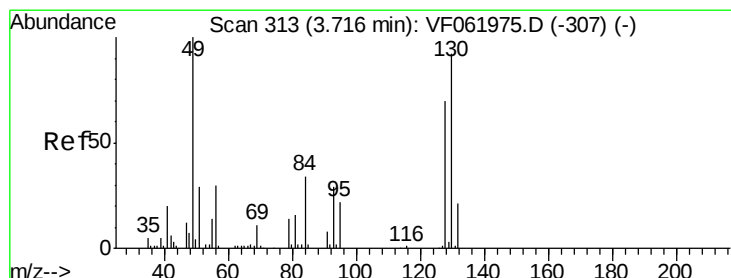
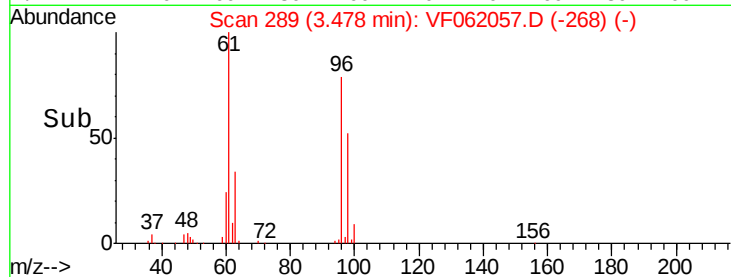
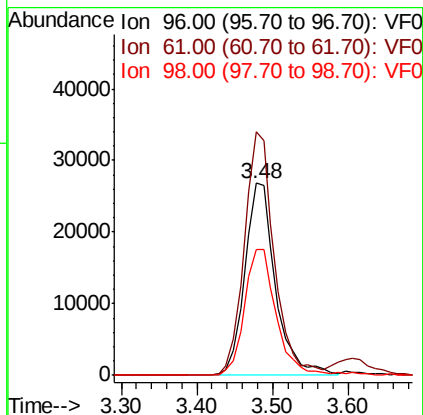
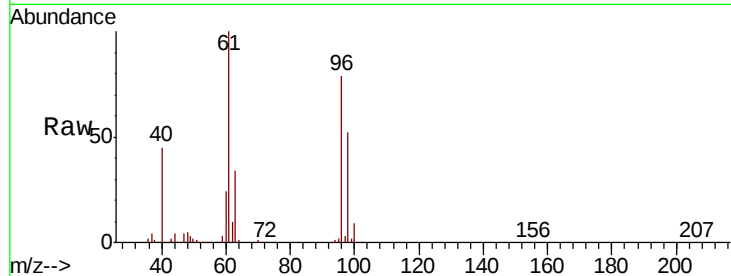


#27

cis-1,2-Dichloroethene
 Concen: 23.163 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

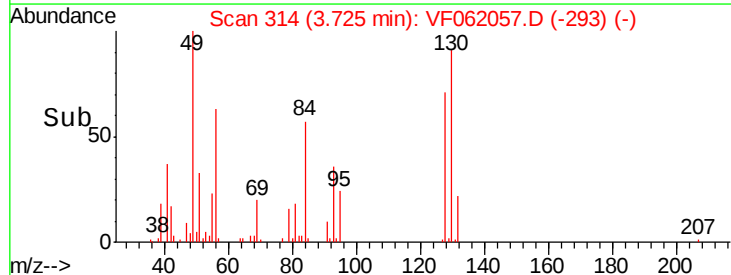
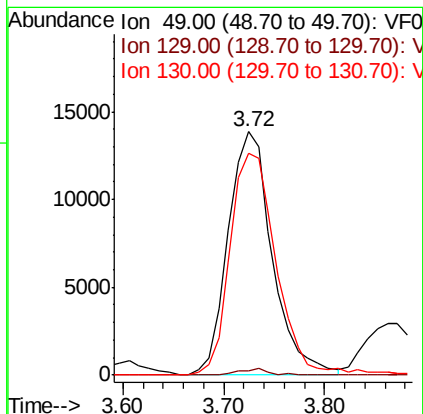
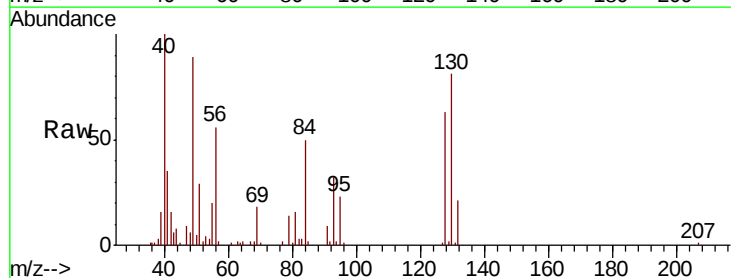
Tgt Ion: 96 Resp: 75755
 Ion Ratio Lower Upper
 96 100
 61 126.6 0.0 246.6
 98 65.5 0.0 129.2

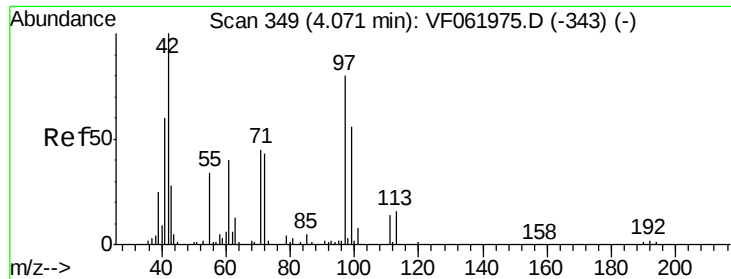


#28

Bromochloromethane
 Concen: 22.959 ug/l
 RT: 3.72 min Scan# 314
 Delta R.T. 0.01 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

Tgt Ion: 49 Resp: 42290
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 5.8
 130 90.9 73.1 109.7





#29

Tetrahydrofuran

Concen: 108.193 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

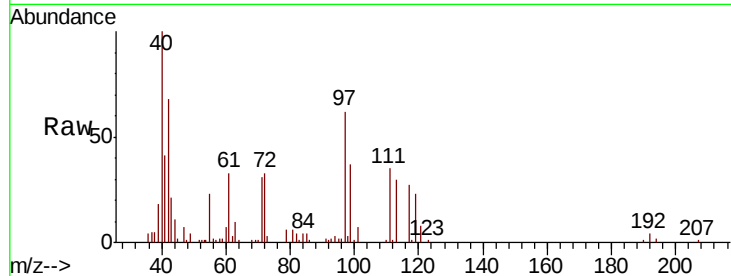
Tgt Ion: 42 Resp: 44377

Ion Ratio Lower Upper

42 100

72 44.6 34.0 51.0

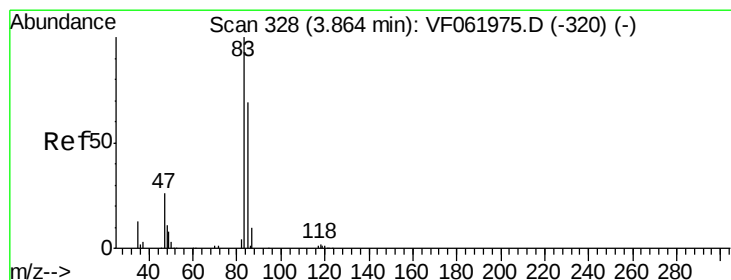
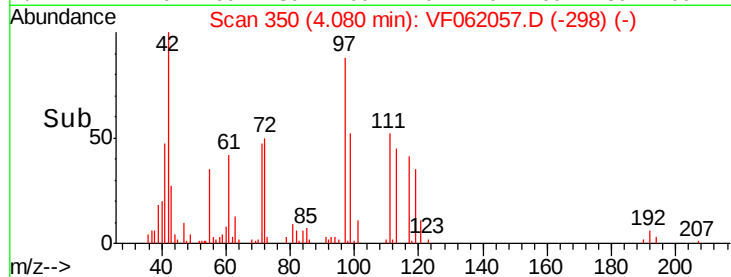
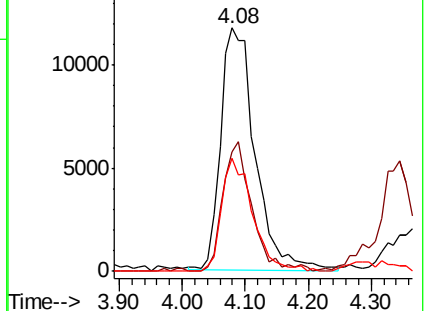
71 42.3 34.2 51.4



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: 22.913 ug/l

RT: 3.86 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF062057.D

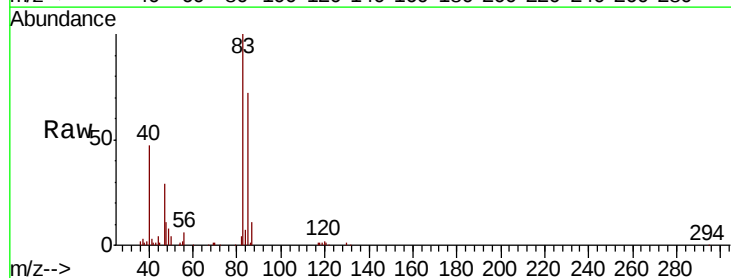
Acq: 21 Mar 2019 13:33

Tgt Ion: 83 Resp: 115249

Ion Ratio Lower Upper

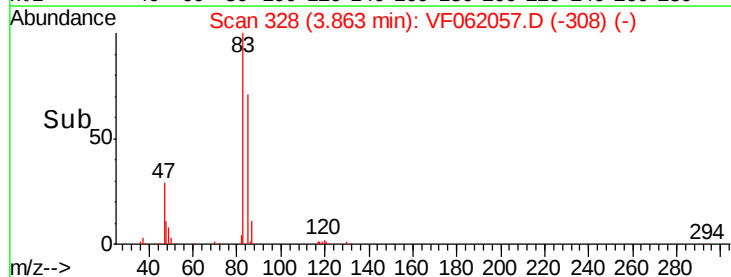
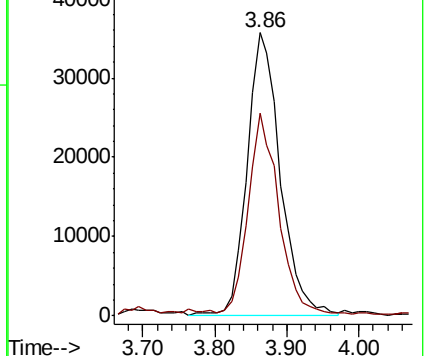
83 100

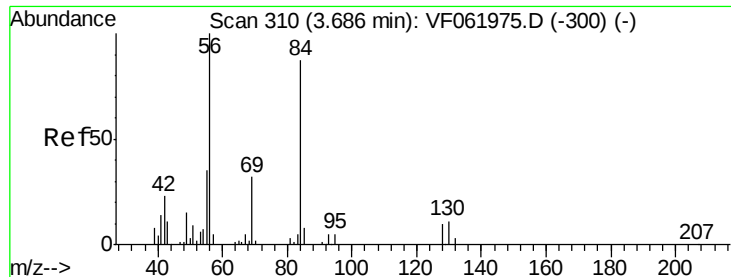
85 71.5 55.5 83.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

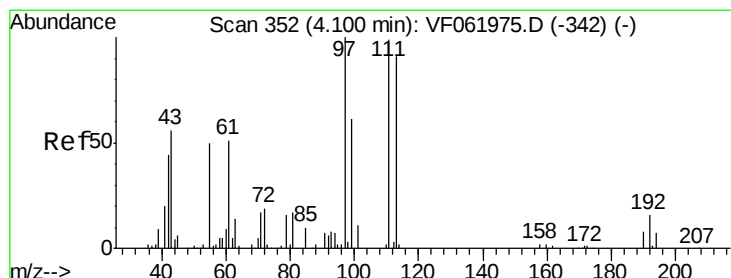
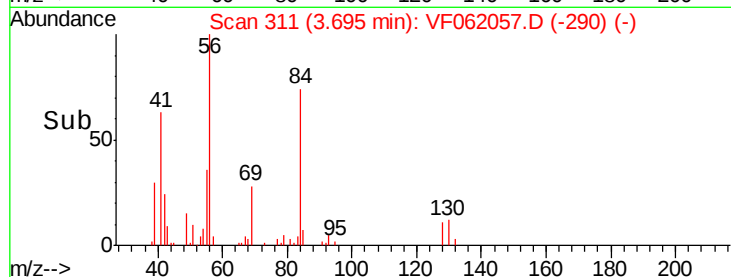
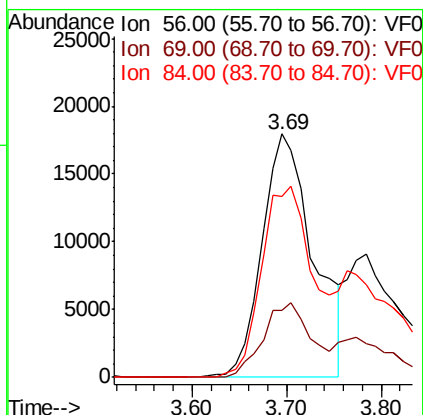
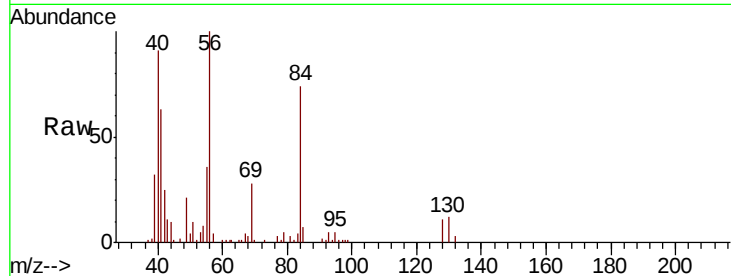




#31
Cyclohexane
Concen: 15.538 ug/l
RT: 3.69 min Scan# 311
Delta R.T. 0.01 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

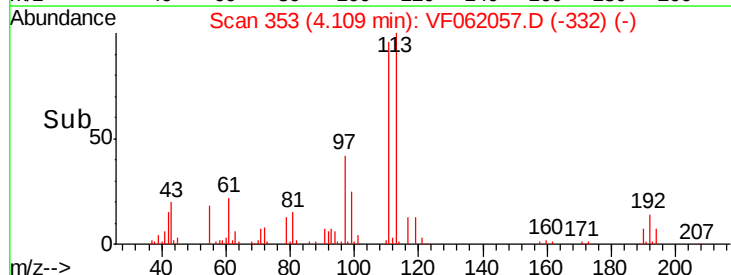
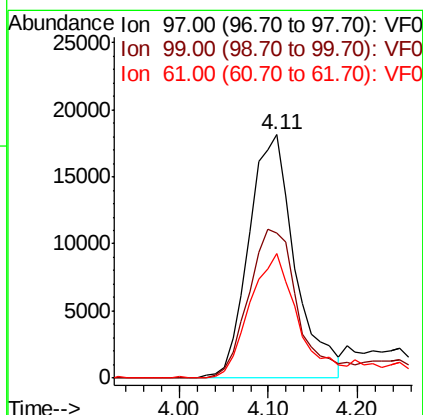
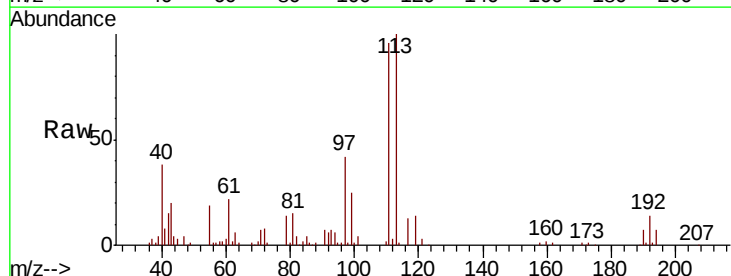
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

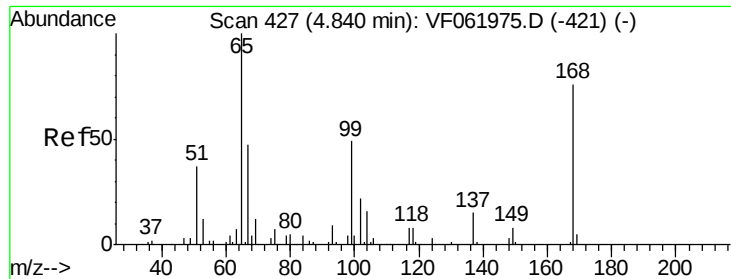
Tgt Ion: 56 Resp: 68142
Ion Ratio Lower Upper
56 100
69 27.6 25.8 38.8
84 74.3 69.5 104.3



#32
1,1,1-Trichloroethane
Concen: 19.469 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

Tgt Ion: 97 Resp: 65034
Ion Ratio Lower Upper
97 100
99 59.3 49.0 73.4
61 51.2 41.4 62.0

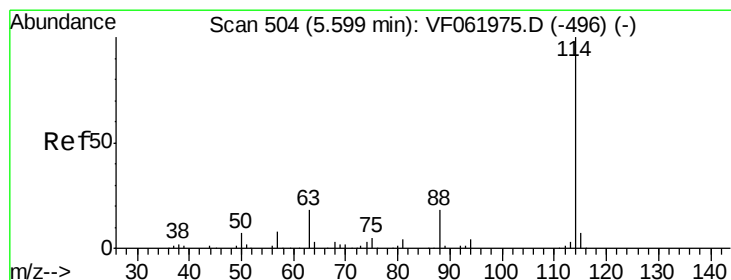
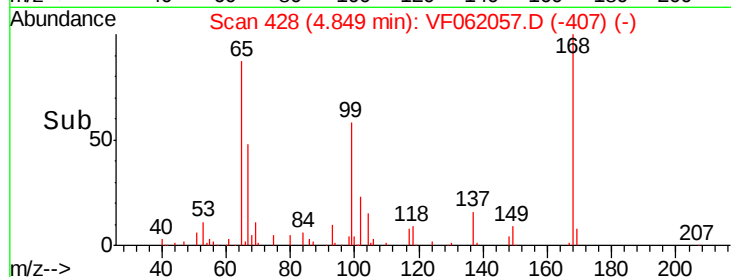
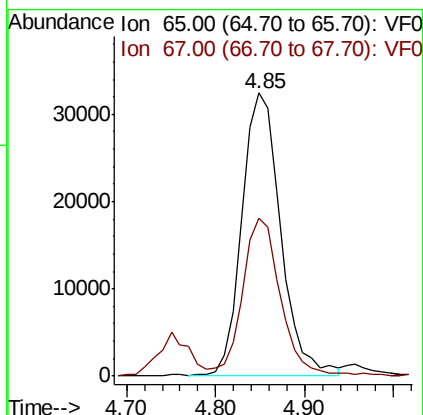
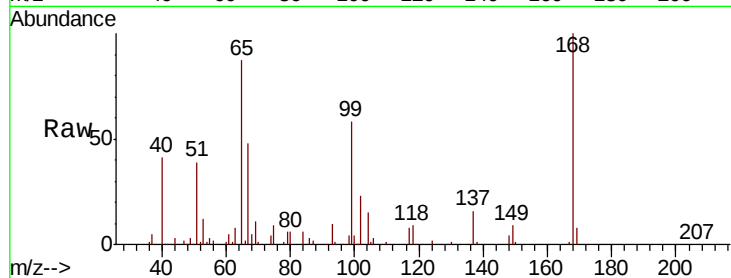




#33
 1,2-Dichloroethane-d4
 Concen: 45.681 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

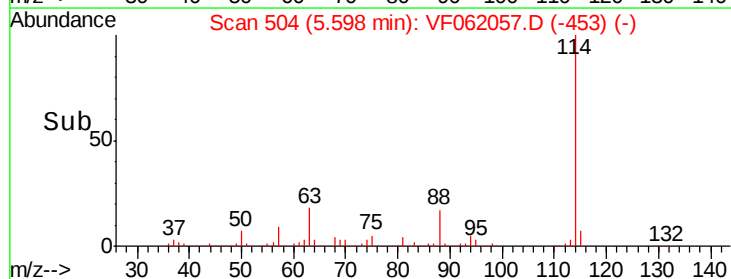
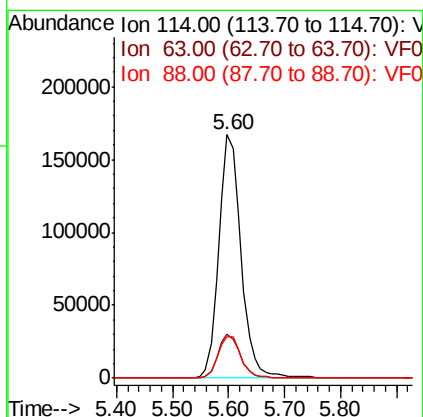
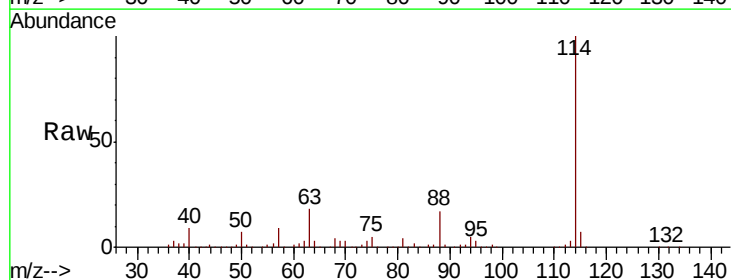
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

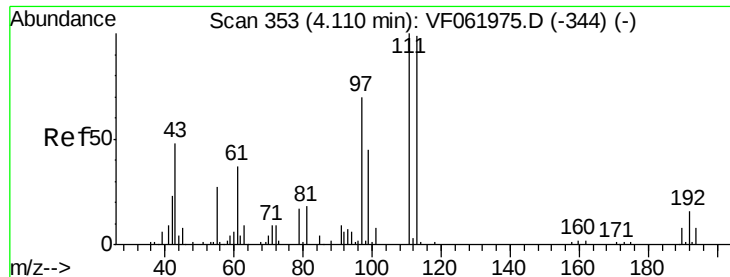
Tgt Ion: 65 Resp: 96878
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

Tgt Ion: 114 Resp: 464441
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.4
 88 16.9 0.0 36.4

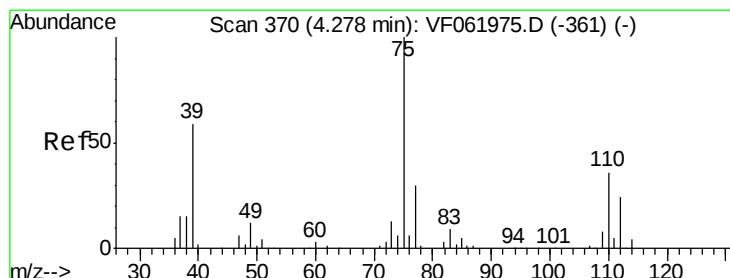
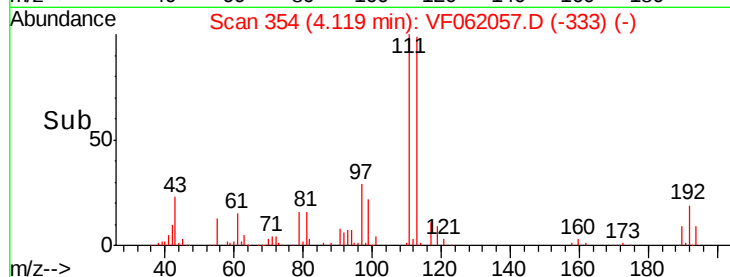
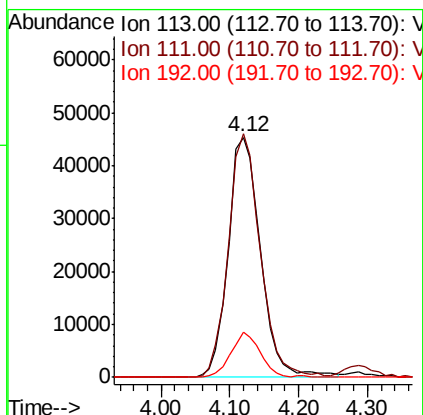
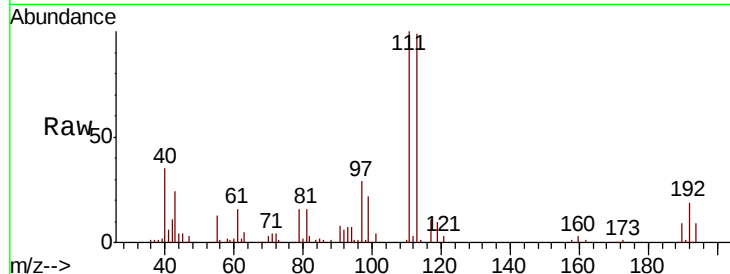




#35
Dibromofluoromethane
Concen: 47.396 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

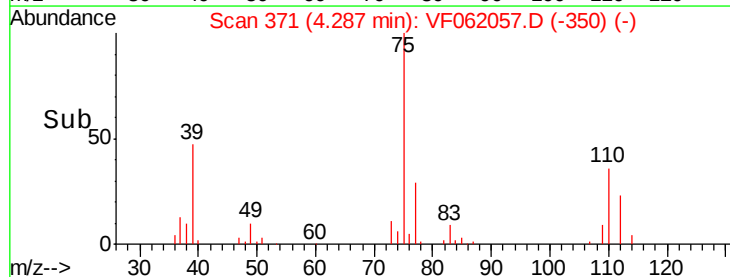
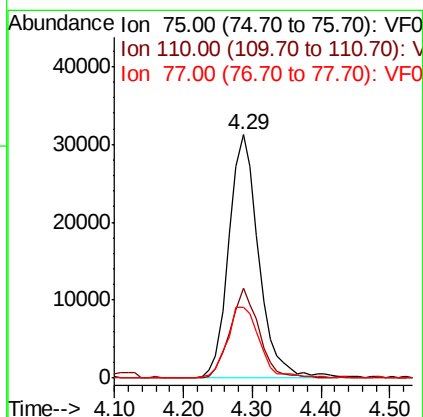
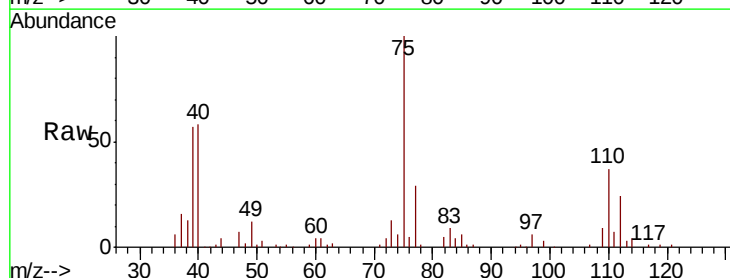
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

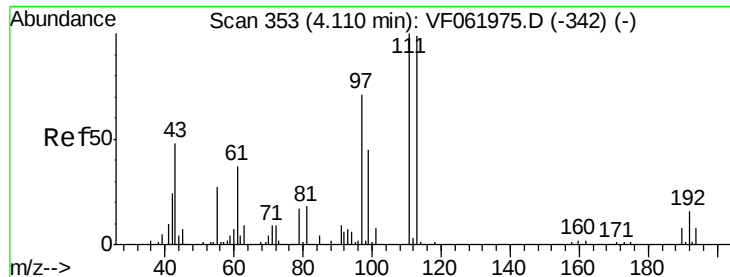
Tgt Ion:113 Resp: 147818
Ion Ratio Lower Upper
113 100
111 101.4 80.8 121.2
192 19.1 13.0 19.6



#36
1,1-Dichloropropene
Concen: 22.488 ug/l
RT: 4.29 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

Tgt Ion: 75 Resp: 94316
Ion Ratio Lower Upper
75 100
110 37.0 17.8 53.3
77 29.3 24.2 36.2

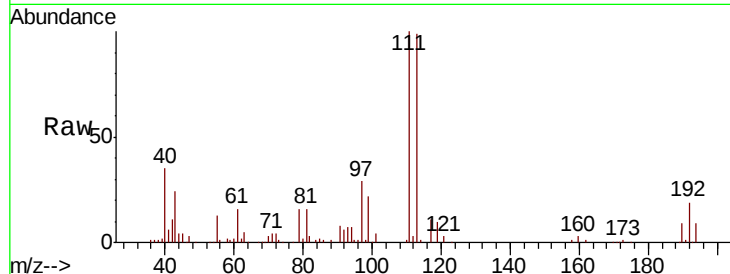




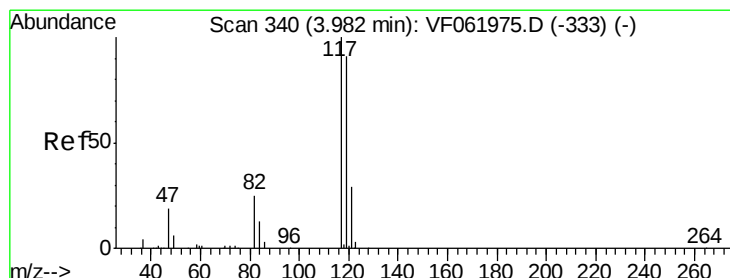
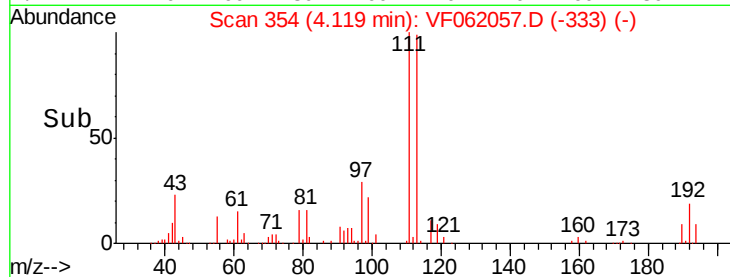
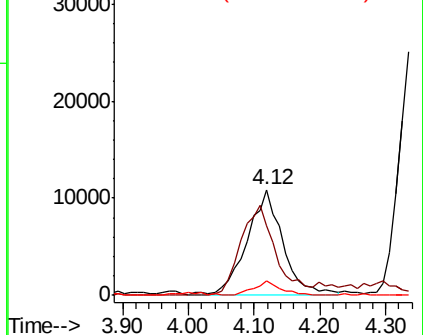
#37
Ethyl Acetate
Concen: 22.253 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBSD01

Tgt Ion: 43 Resp: 41907
Ion Ratio Lower Upper
43 100
61 65.8 59.8 89.6
70 13.2 7.8 11.8#

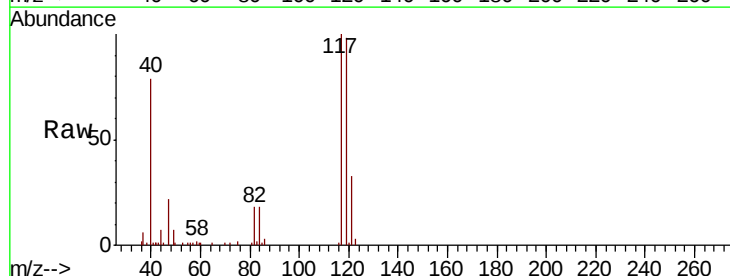


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

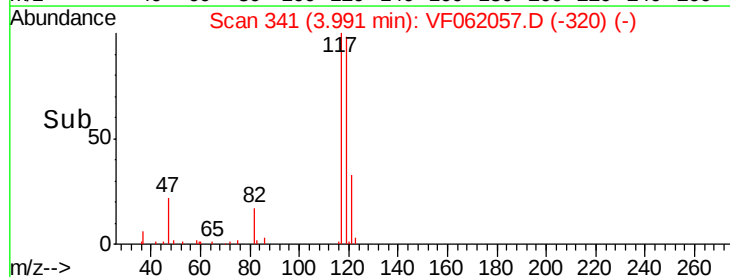
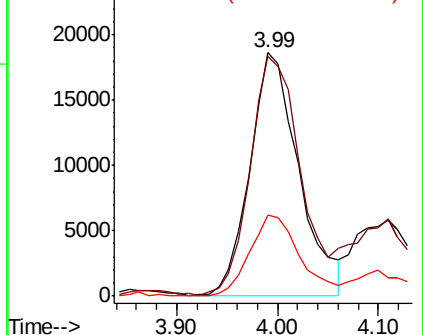


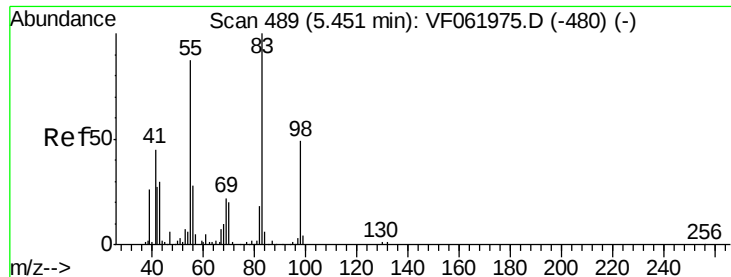
#38
Carbon Tetrachloride
Concen: 20.675 ug/l
RT: 3.99 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

Tgt Ion: 117 Resp: 63373
Ion Ratio Lower Upper
117 100
119 98.4 73.0 109.4
121 33.4 23.0 34.6



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

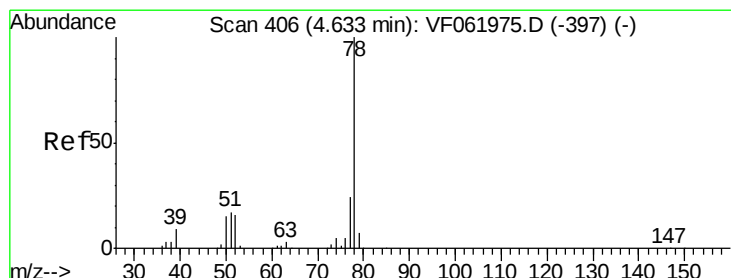
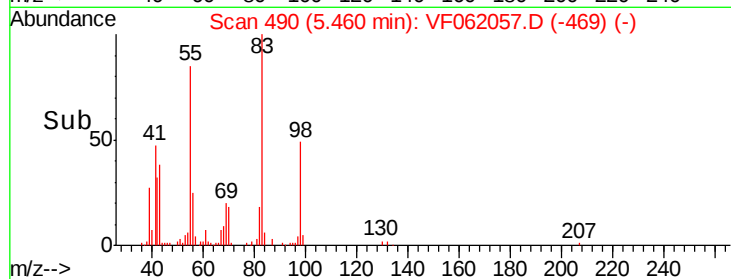
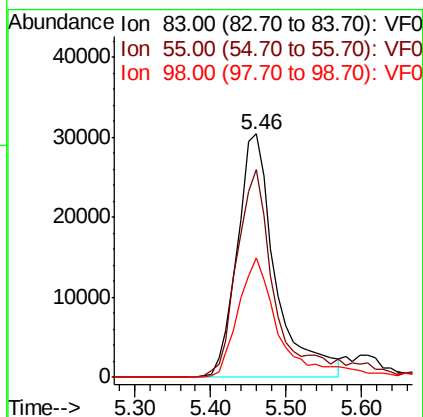
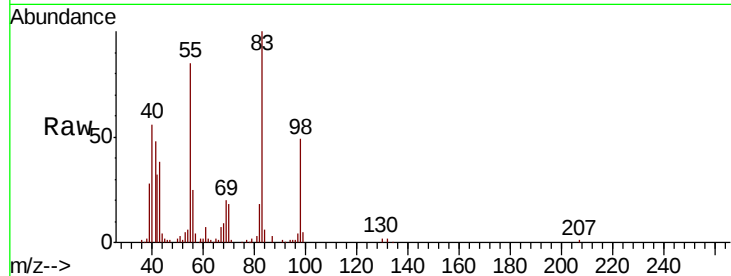




#39
Methylcyclohexane
Concen: 21.757 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.01 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

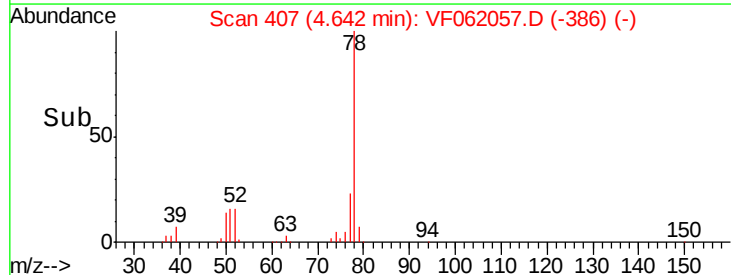
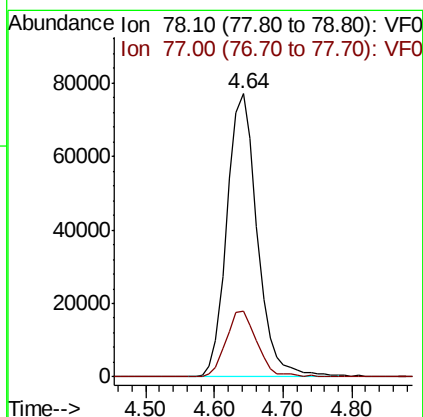
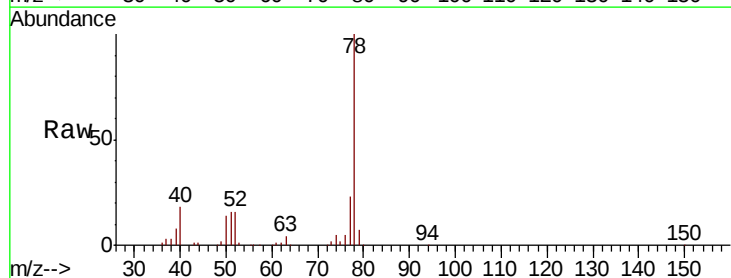
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

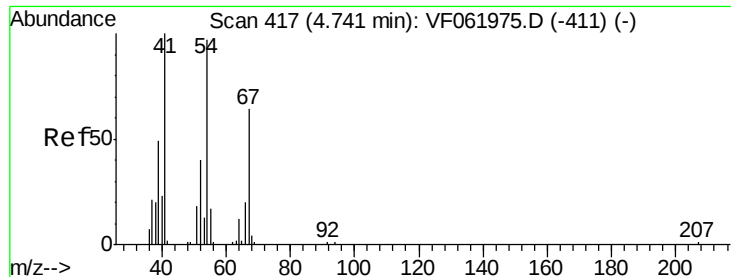
Tgt Ion: 83 Resp: 107125
Ion Ratio Lower Upper
83 100
55 85.3 69.7 104.5
98 49.3 39.4 59.0



#40
Benzene
Concen: 21.259 ug/l
RT: 4.64 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

Tgt Ion: 78 Resp: 236258
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4





#41

Methacrylonitrile

Concen: 20.716 ug/l

RT: 4.75 min Scan# 418

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

Tgt Ion: 41 Resp: 20843

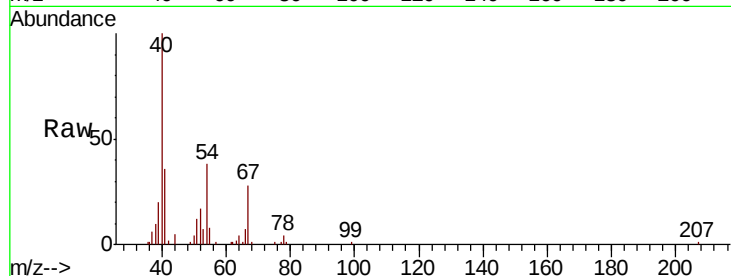
Ion Ratio Lower Upper

41 100

39 56.8 46.2 69.4

67 79.6 49.8 74.8#

52 48.3 42.7 64.1

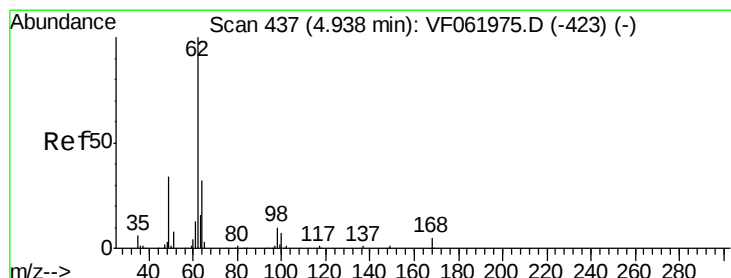
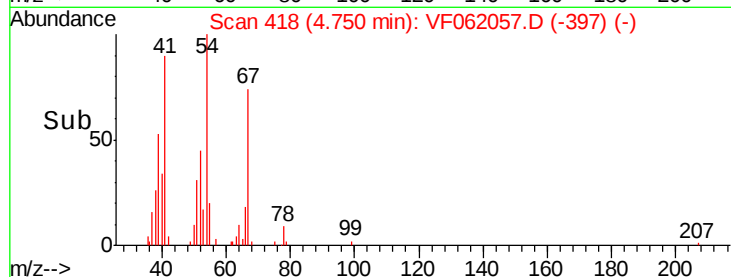
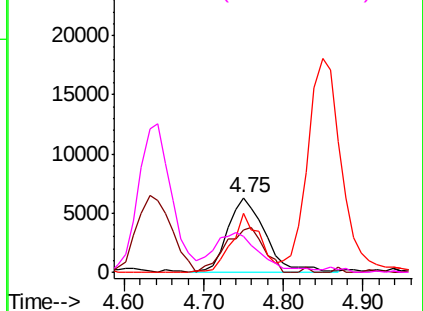


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 21.313 ug/l

RT: 4.95 min Scan# 438

Delta R.T. 0.01 min

Lab File: VF062057.D

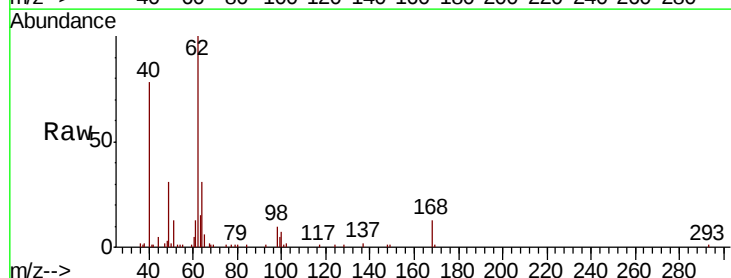
Acq: 21 Mar 2019 13:33

Tgt Ion: 62 Resp: 58964

Ion Ratio Lower Upper

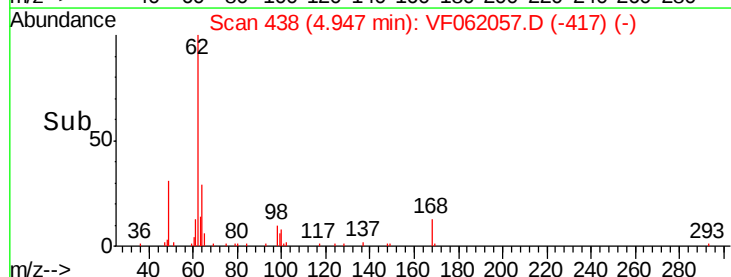
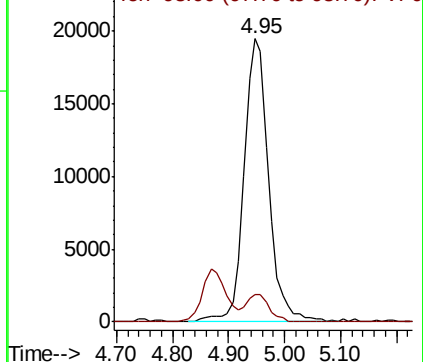
62 100

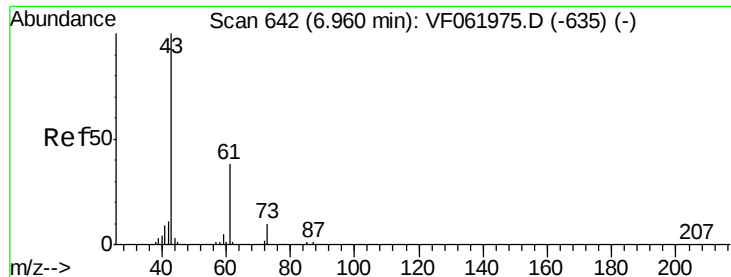
98 9.7 0.0 19.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 20.912 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

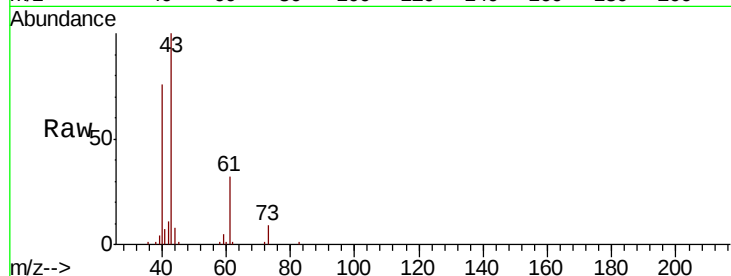
Tgt Ion: 43 Resp: 46594

Ion Ratio Lower Upper

43 100

61 32.4 30.1 45.1

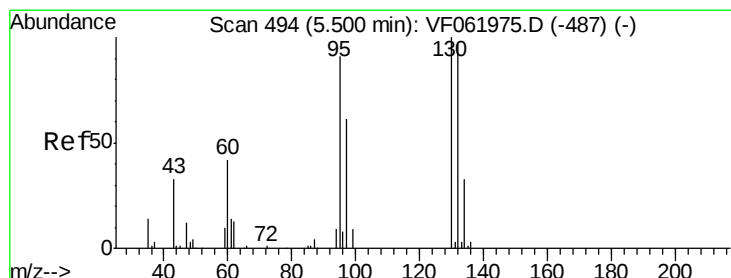
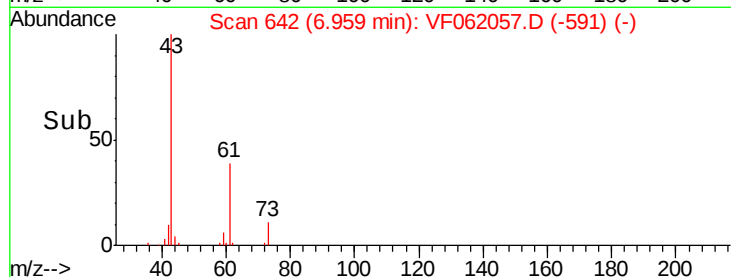
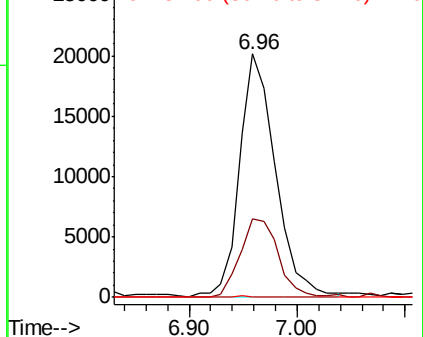
87 0.0 0.4 0.6#



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: 21.759 ug/l

RT: 5.51 min Scan# 495

Delta R.T. 0.01 min

Lab File: VF062057.D

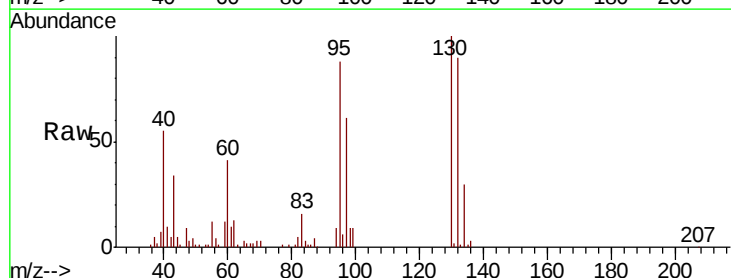
Acq: 21 Mar 2019 13:33

Tgt Ion: 130 Resp: 74077

Ion Ratio Lower Upper

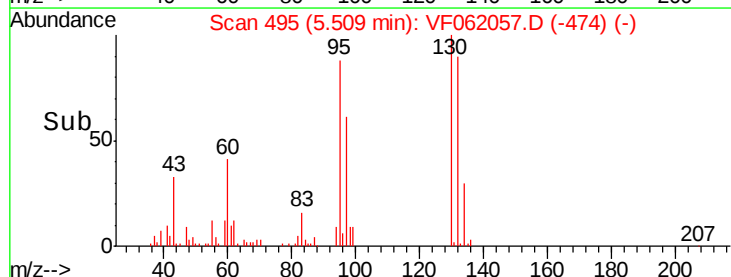
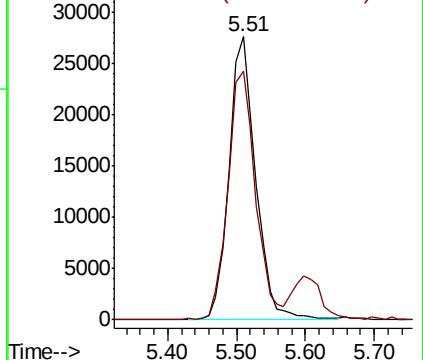
130 100

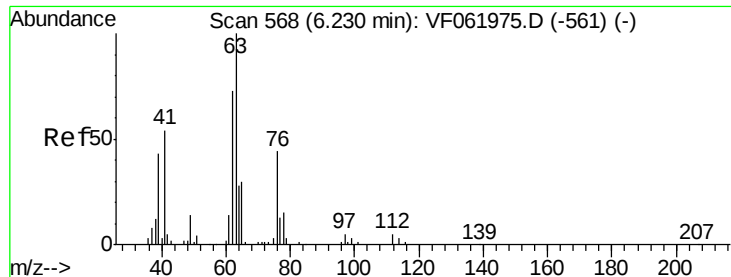
95 88.1 0.0 181.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.587 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

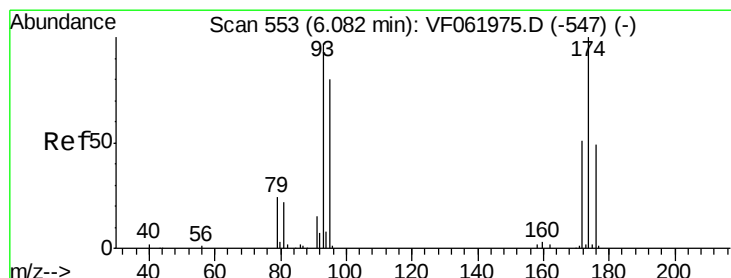
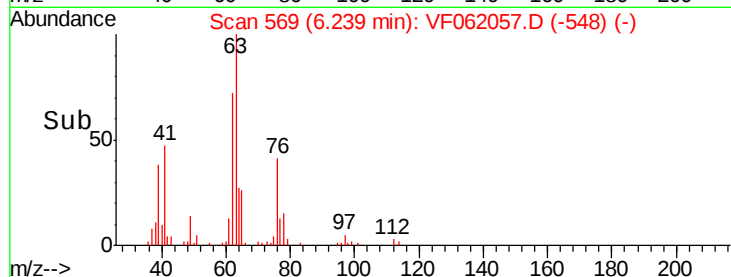
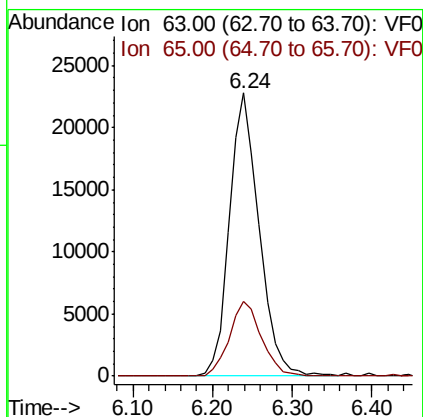
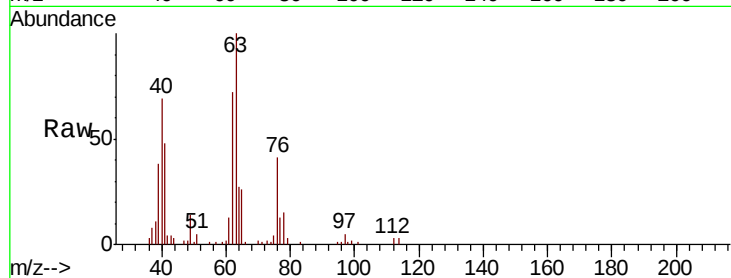
VF0321SBS01

Tgt Ion: 63 Resp: 59405

Ion Ratio Lower Upper

63 100

65 26.4 23.7 35.5



#46

Dibromomethane

Concen: 22.063 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

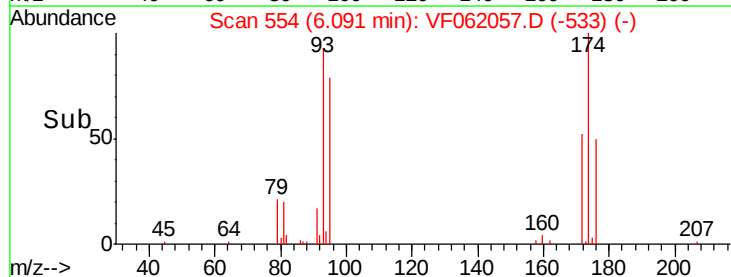
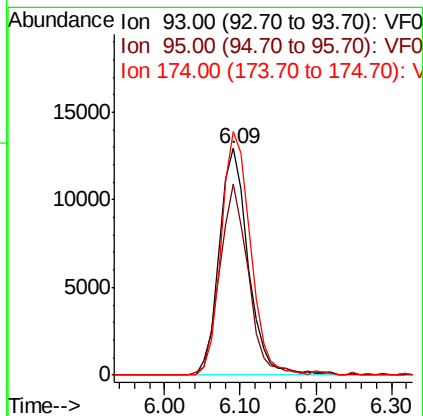
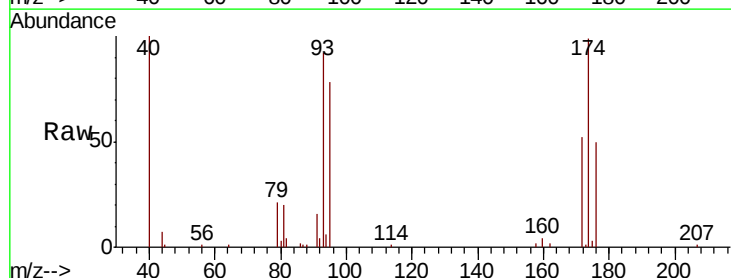
Tgt Ion: 93 Resp: 34519

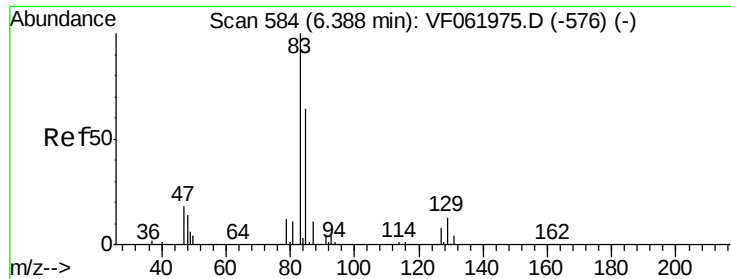
Ion Ratio Lower Upper

93 100

95 84.5 65.7 98.5

174 107.5 82.2 123.4





#47

Bromodichloromethane

Concen: 21.307 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

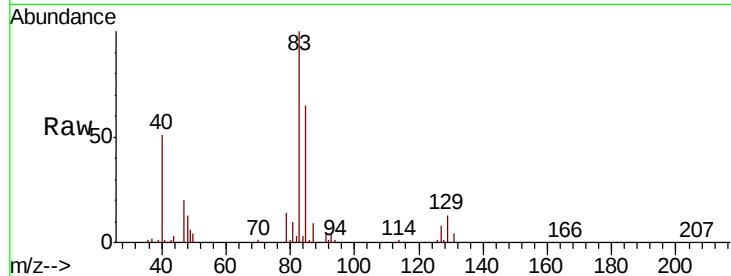
Tgt Ion: 83 Resp: 78595

Ion Ratio Lower Upper

83 100

85 65.2 51.4 77.2

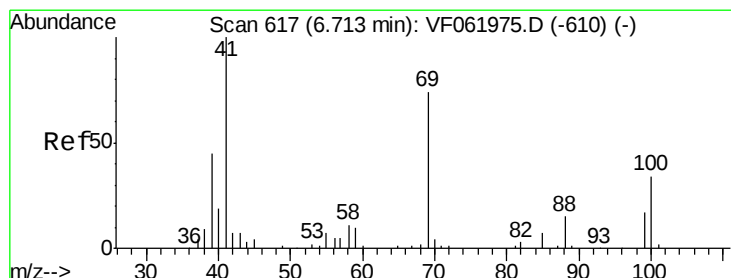
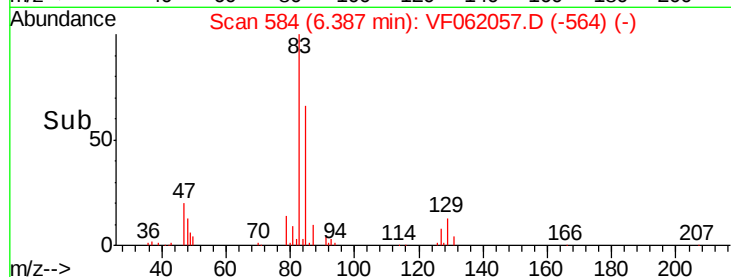
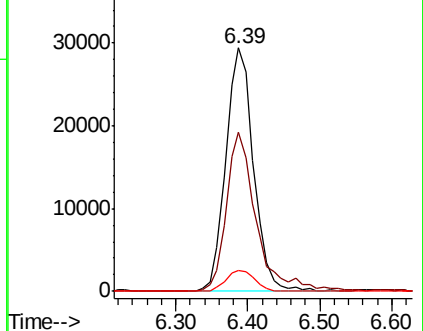
127 8.4 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 19.823 ug/l

RT: 6.72 min Scan# 618

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

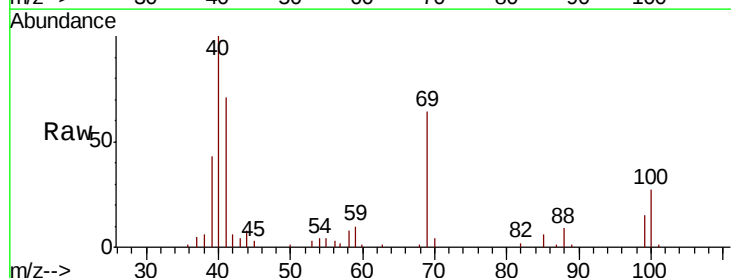
Tgt Ion: 41 Resp: 28546

Ion Ratio Lower Upper

41 100

69 89.5 59.0 88.6#

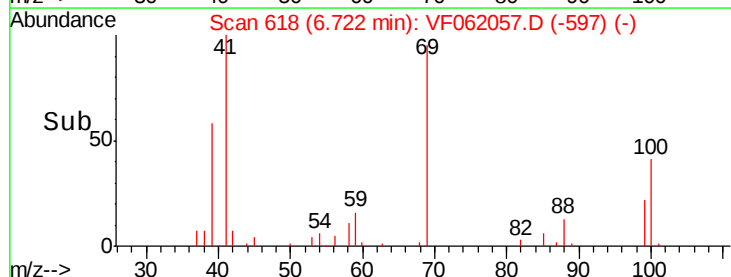
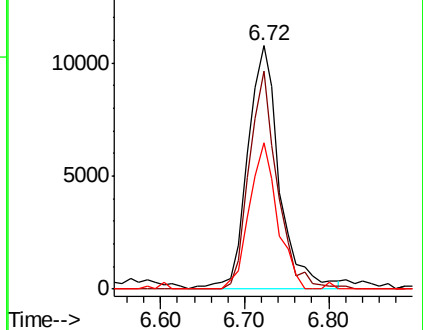
39 60.3 35.6 53.4#

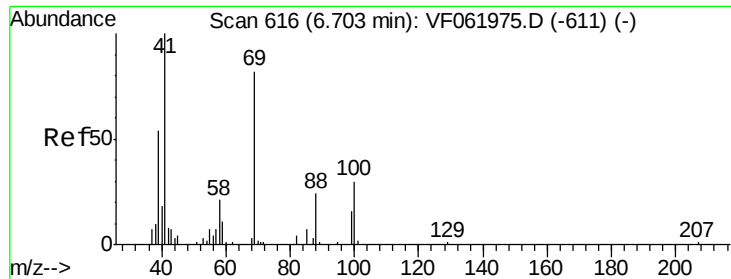


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

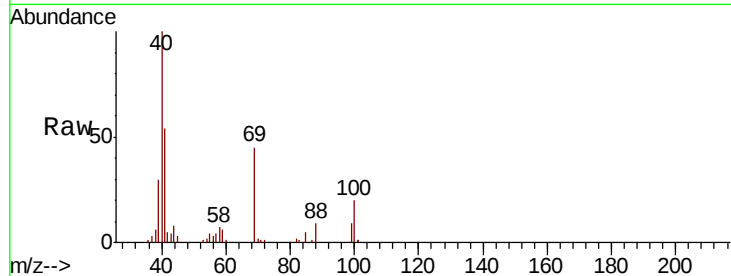




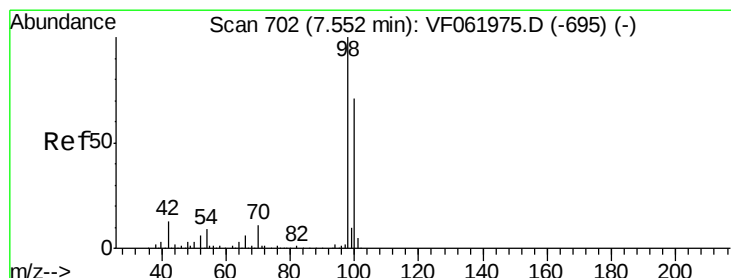
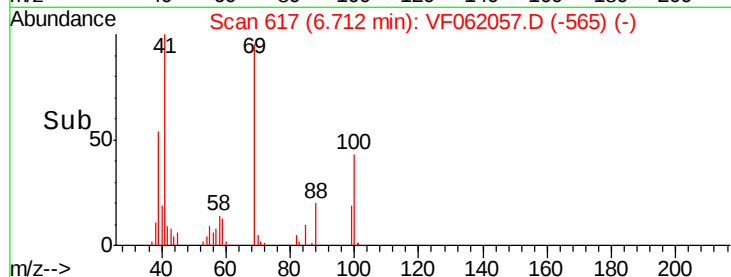
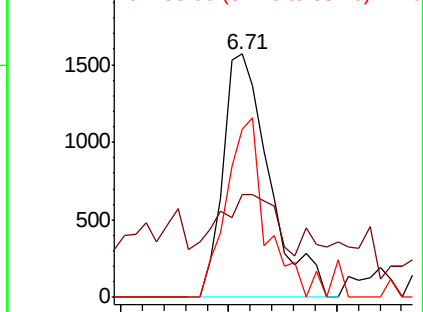
#49
1,4-Dioxane
Concen: 365.757 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.01 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

Tgt Ion: 88 Resp: 4685
Ion Ratio Lower Upper
88 100
43 42.5 31.2 46.8
58 69.2 69.9 104.9#

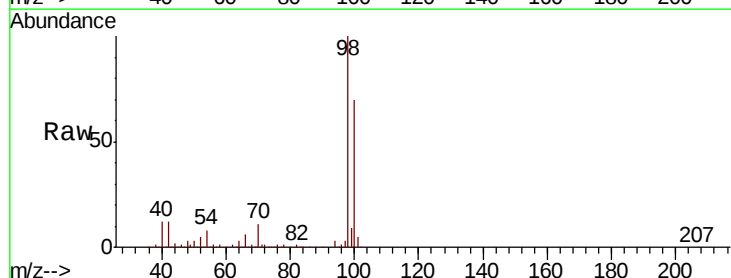


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

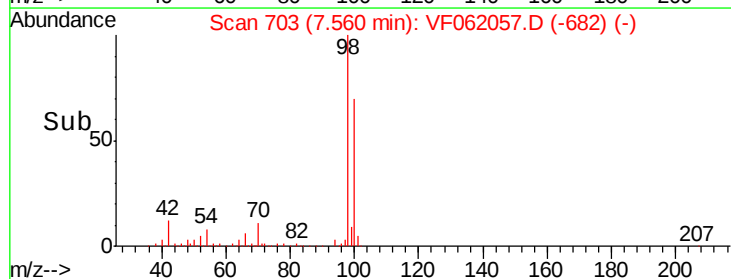
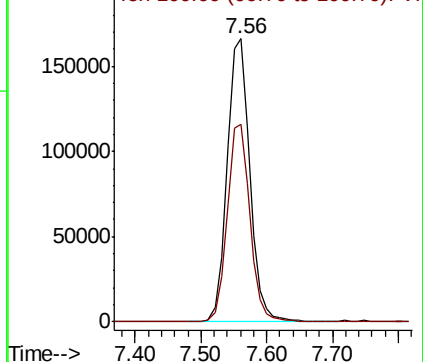


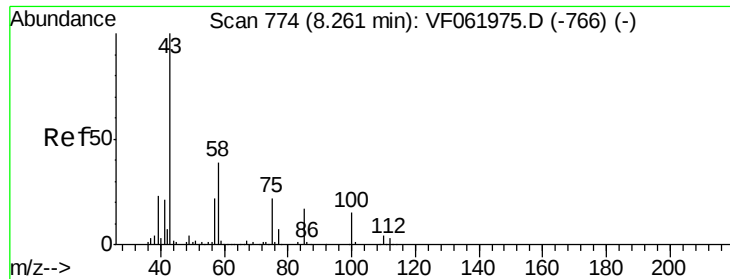
#50
Toluene-d8
Concen: 44.372 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

Tgt Ion: 98 Resp: 404549
Ion Ratio Lower Upper
98 100
100 69.7 56.8 85.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 110.422 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

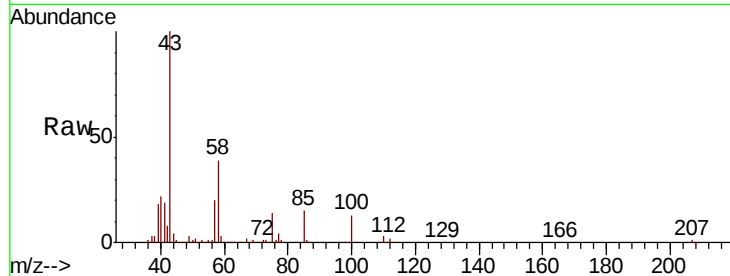
VF0321SBS01

Tgt Ion: 43 Resp: 174712

Ion Ratio Lower Upper

43 100

58 39.2 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.26

60000

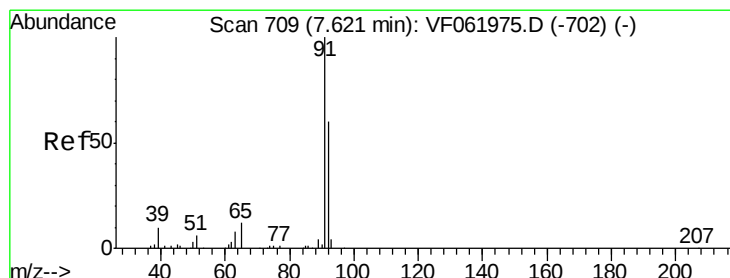
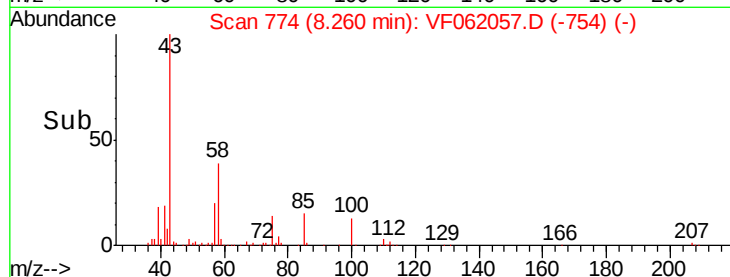
40000

20000

0

8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 21.006 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF062057.D

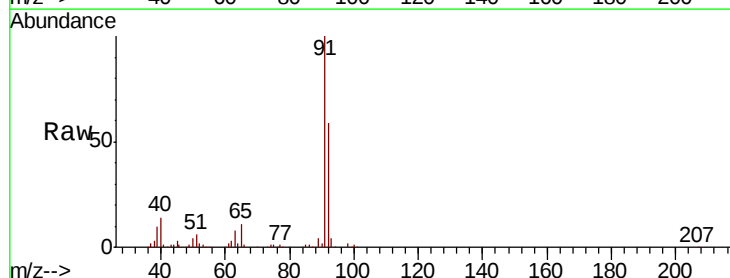
Acq: 21 Mar 2019 13:33

Tgt Ion: 92 Resp: 142639

Ion Ratio Lower Upper

92 100

91 170.1 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

120000

100000

80000

60000

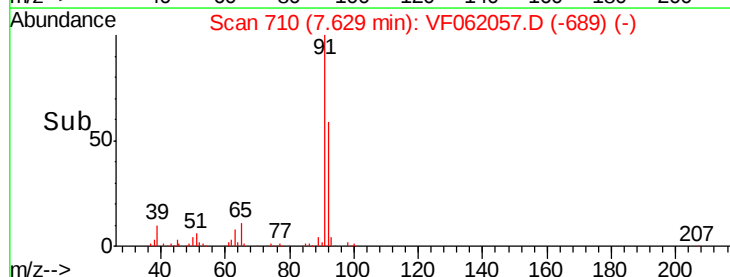
40000

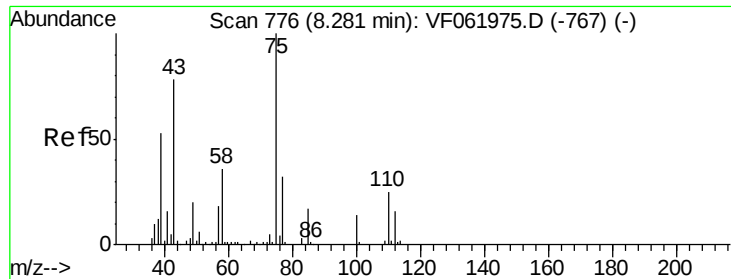
20000

0

7.50 7.60 7.70

Time-->

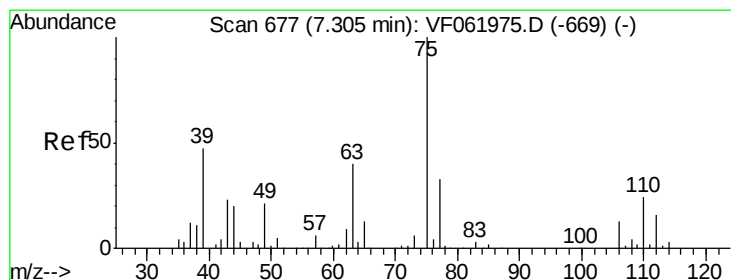
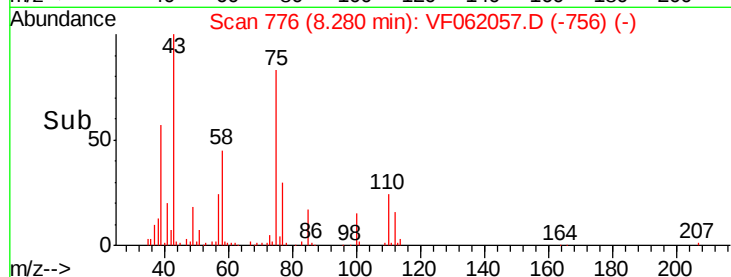
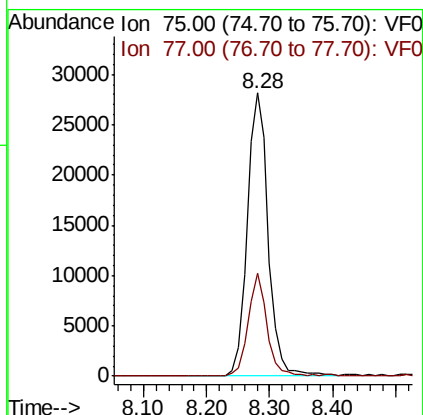
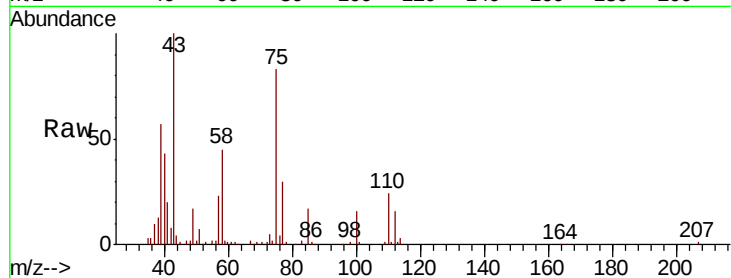




#53
 t-1,3-Dichloropropene
 Concen: 20.911 ug/l
 RT: 8.28 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

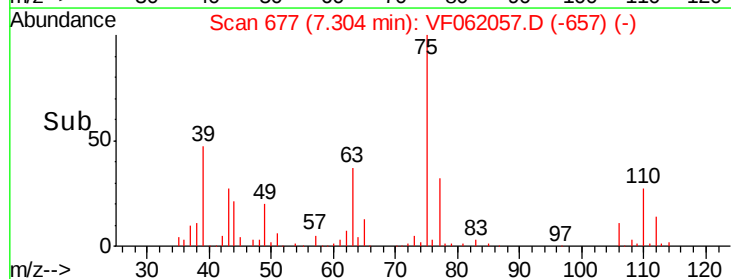
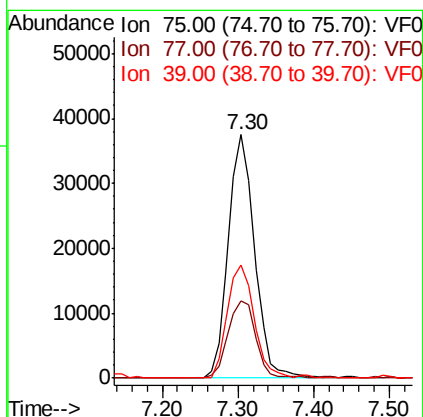
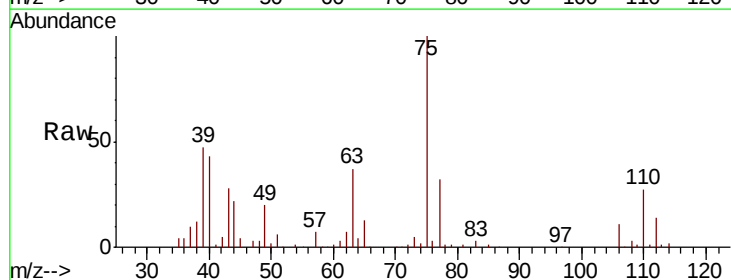
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

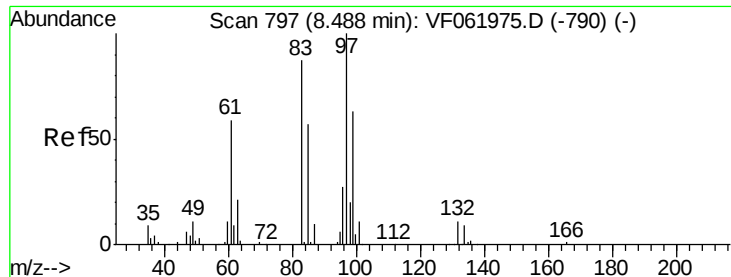
Tgt Ion: 75 Resp: 65118
 Ion Ratio Lower Upper
 75 100
 77 36.5 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 22.198 ug/l
 RT: 7.30 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

Tgt Ion: 75 Resp: 90196
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.4 39.6
 39 46.6 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 21.192 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

Tgt Ion: 97 Resp: 40162

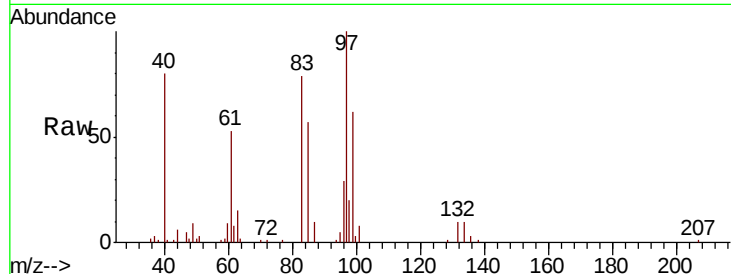
Ion Ratio Lower Upper

97 100

83 78.5 69.7 104.5

85 57.2 45.8 68.6

99 61.9 50.3 75.5

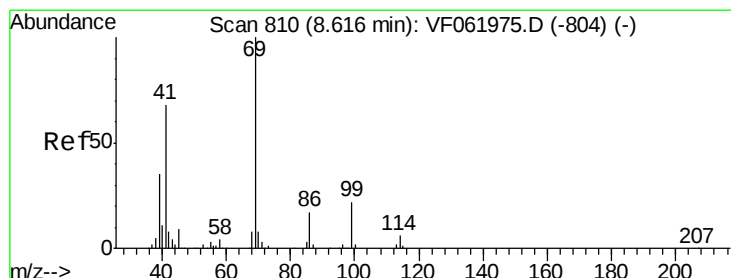
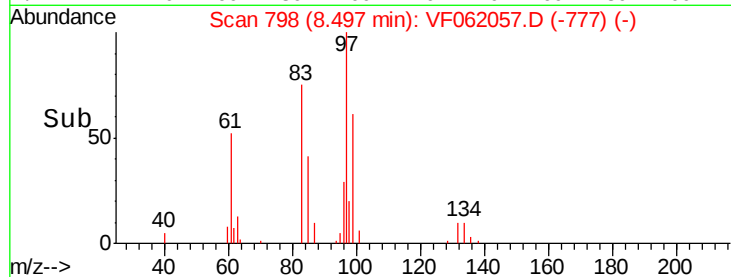
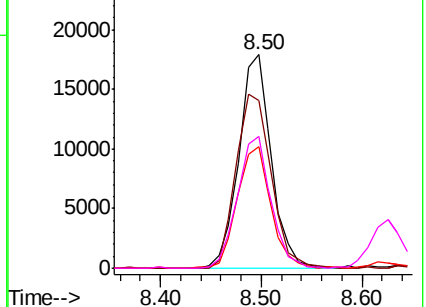


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.986 ug/l

RT: 8.63 min Scan# 811

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

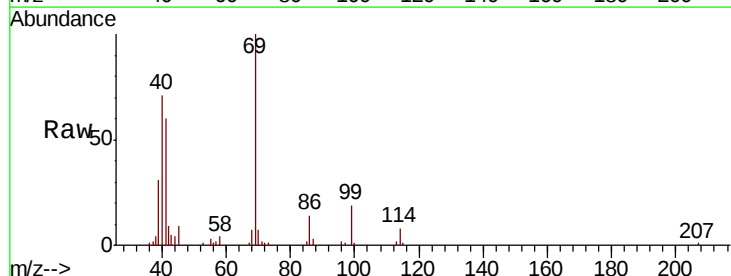
Tgt Ion: 69 Resp: 47366

Ion Ratio Lower Upper

69 100

41 59.5 54.7 82.1

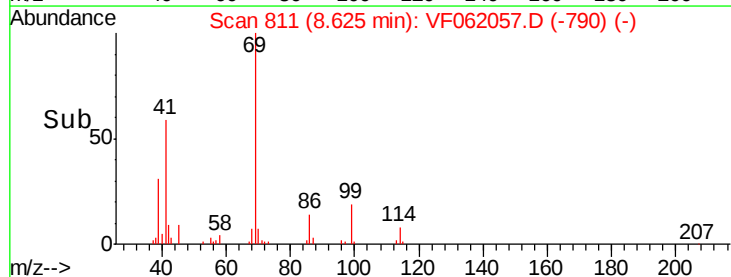
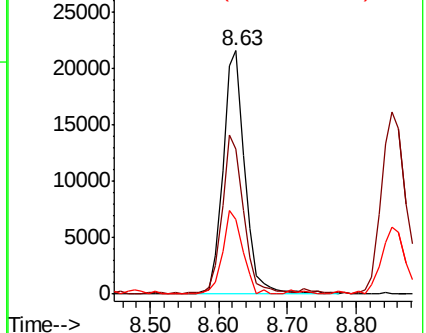
39 30.7 27.9 41.9

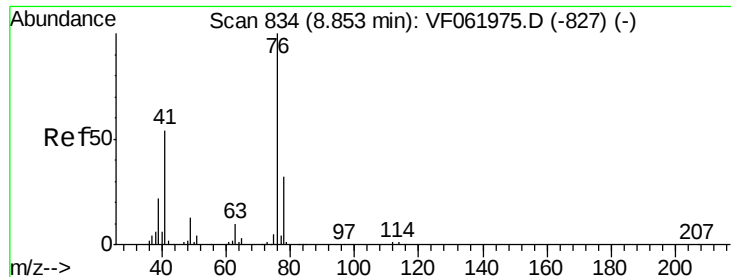


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.065 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

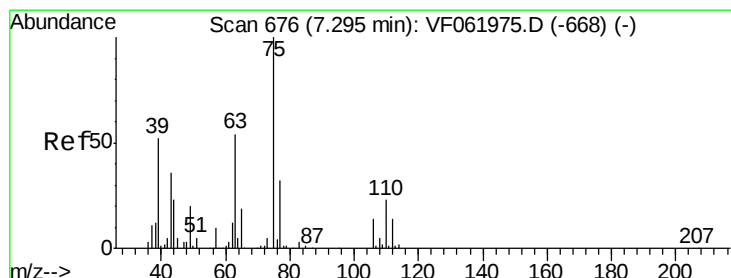
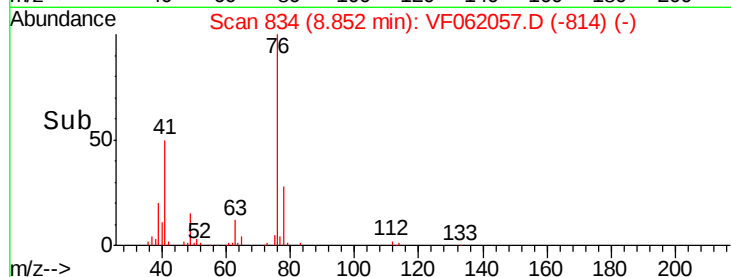
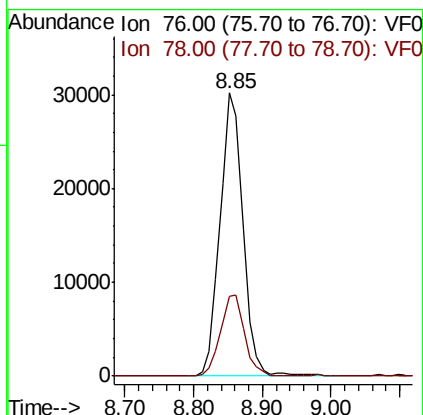
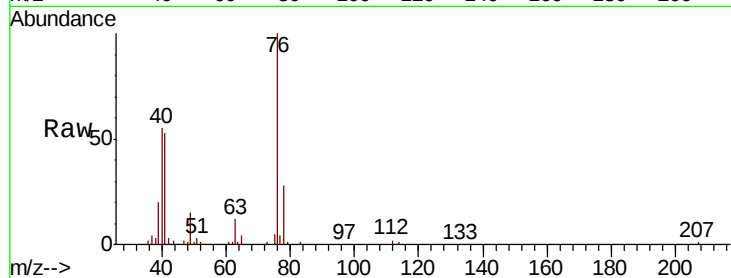
VF0321SBS01

Tgt Ion: 76 Resp: 69754

Ion Ratio Lower Upper

76 100

78 28.2 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 92.903 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.00 min

Lab File: VF062057.D

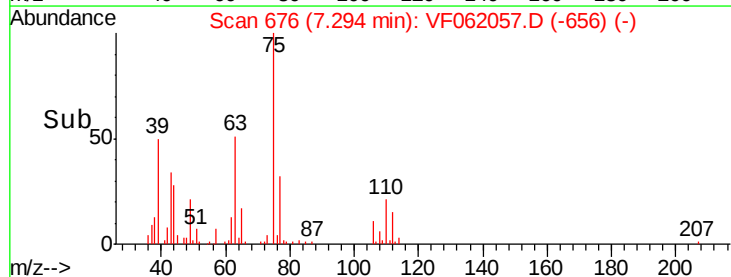
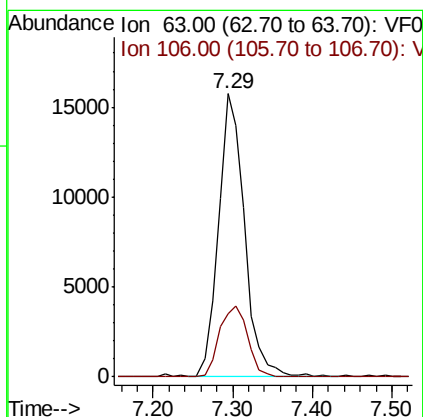
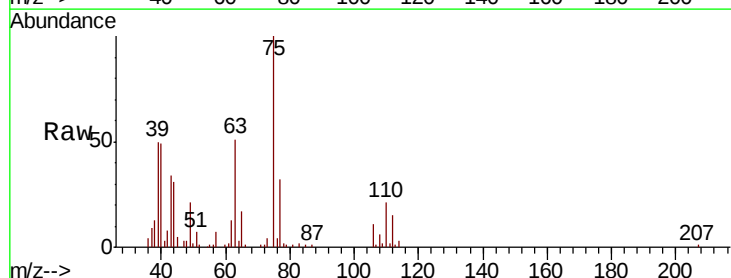
Acq: 21 Mar 2019 13:33

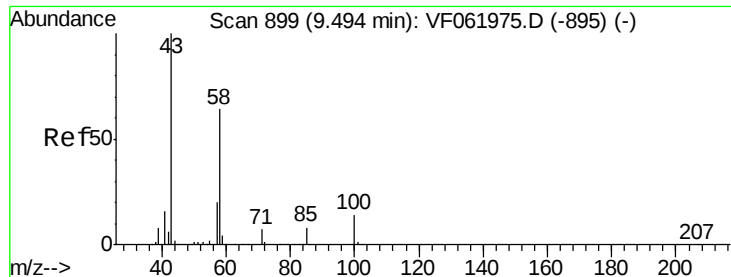
Tgt Ion: 63 Resp: 36252

Ion Ratio Lower Upper

63 100

106 22.2 20.9 31.3

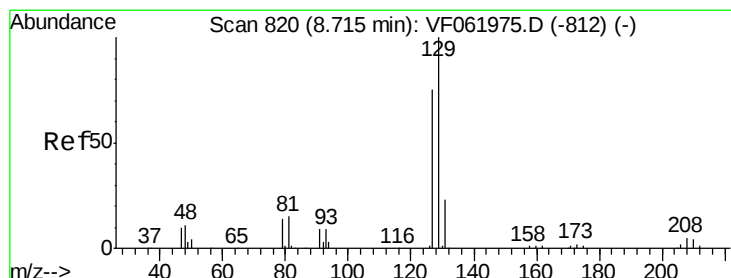
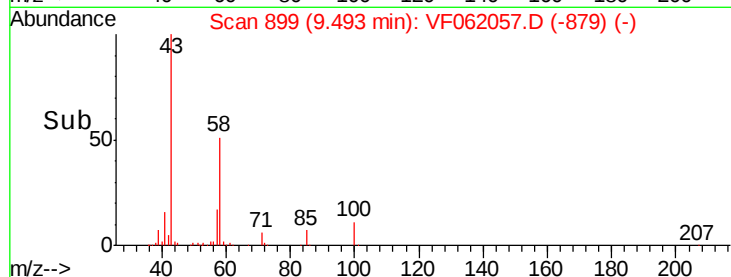
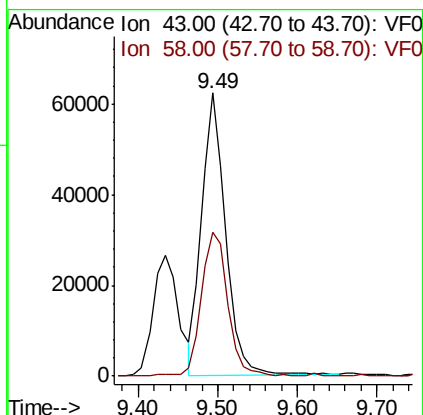
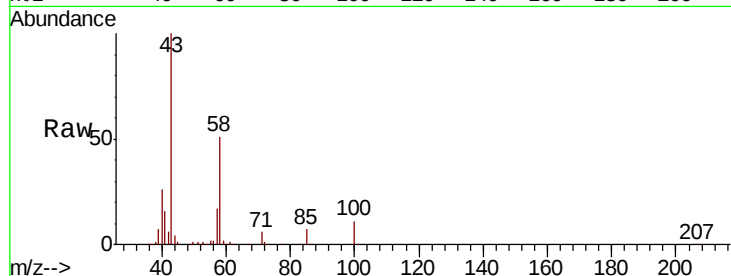




#59
2-Hexanone
Concen: 113.562 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

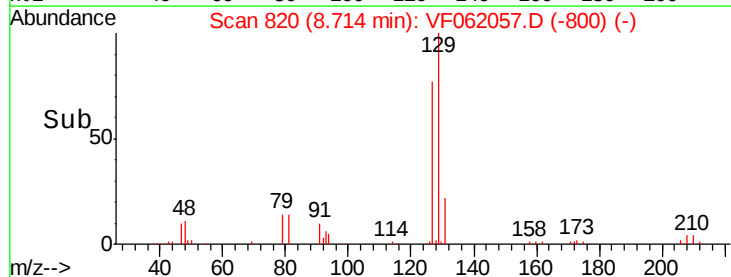
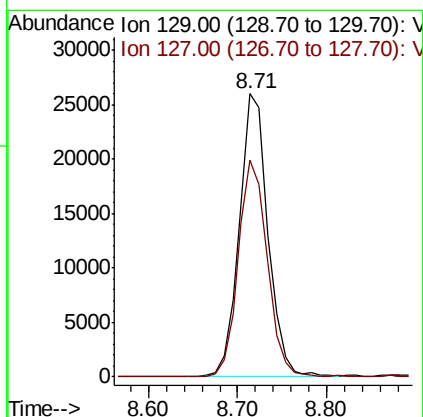
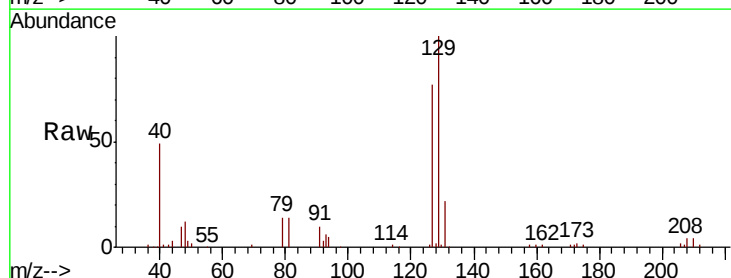
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

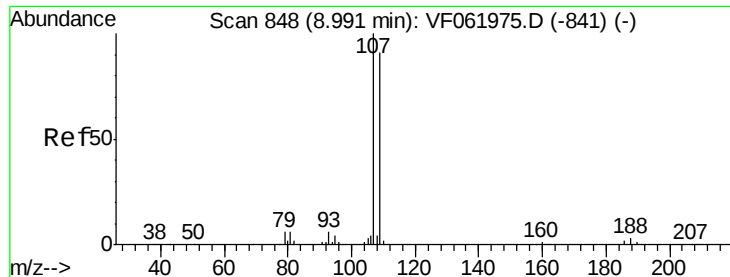
Tgt Ion: 43 Resp: 130036
Ion Ratio Lower Upper
43 100
58 51.0 28.4 85.2



#60
Dibromochloromethane
Concen: 22.158 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

Tgt Ion: 129 Resp: 58296
Ion Ratio Lower Upper
129 100
127 76.8 37.3 111.8





#61

1,2-Dibromoethane

Concen: 20.796 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.00 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

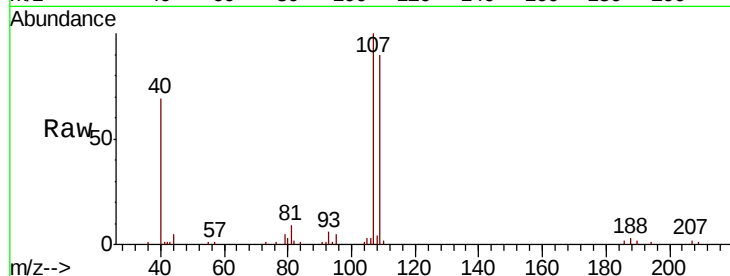
VF0321SBS01

Tgt Ion: 107 Resp: 42275

Ion Ratio Lower Upper

107 100

109 90.5 72.8 109.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.99

20000

15000

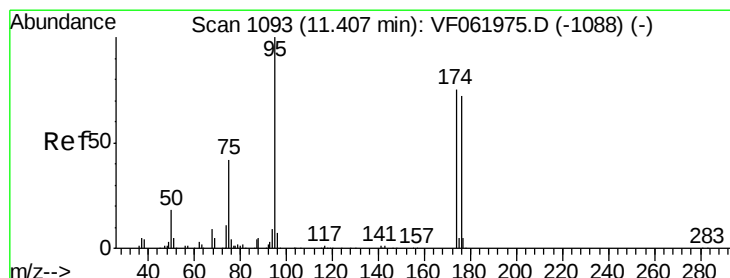
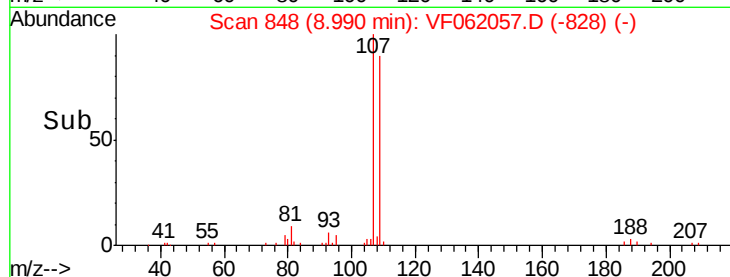
10000

5000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 43.344 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

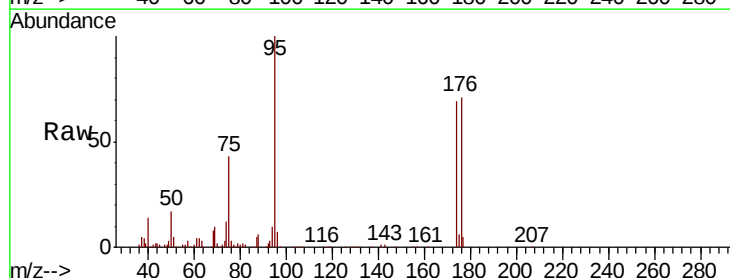
Tgt Ion: 95 Resp: 156988

Ion Ratio Lower Upper

95 100

174 68.7 0.0 149.4

176 71.1 0.0 143.4



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

120000

100000

80000

60000

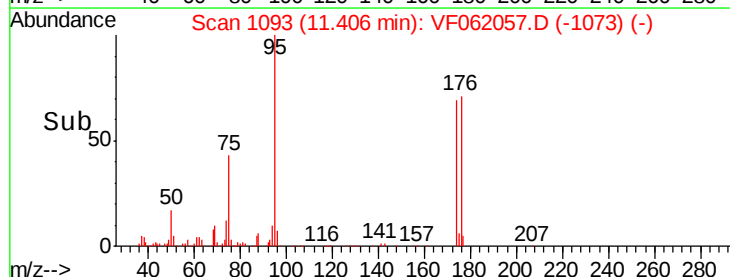
40000

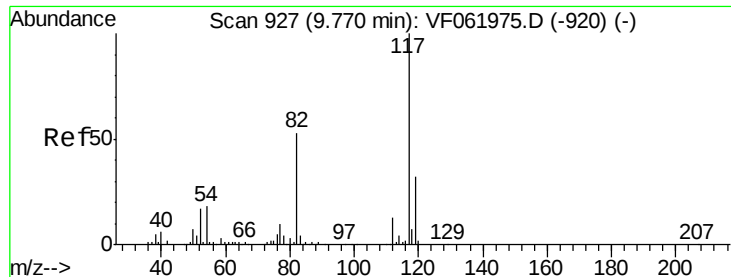
20000

0

Time-->

11.30 11.40 11.50

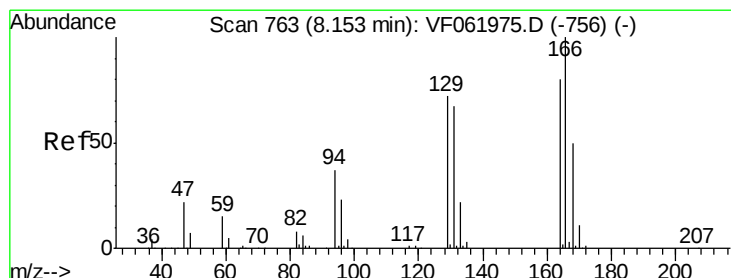
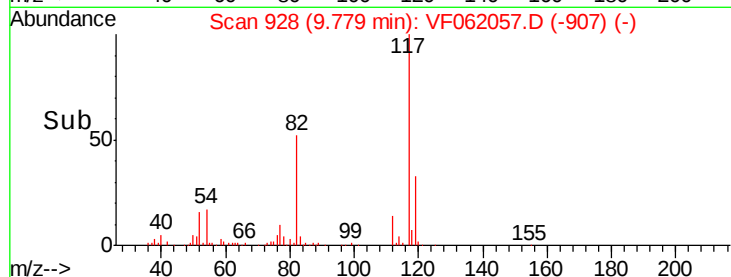
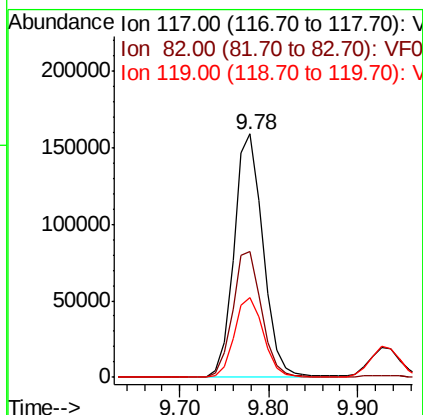
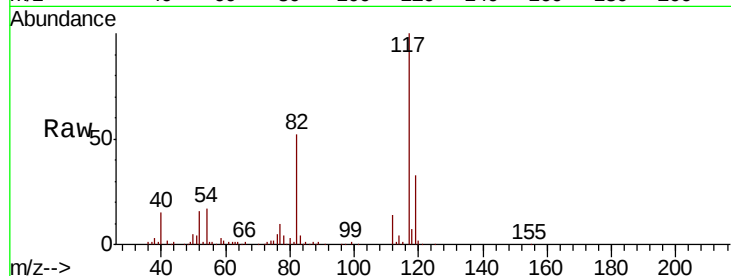




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

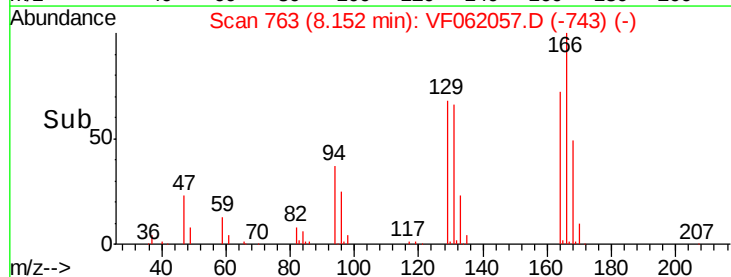
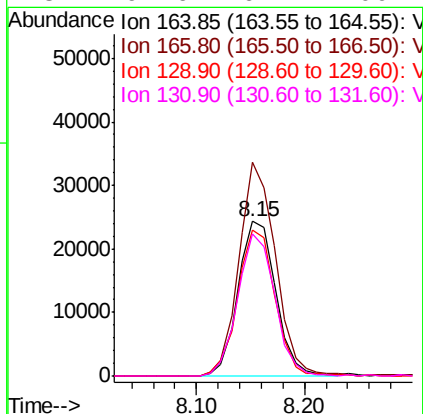
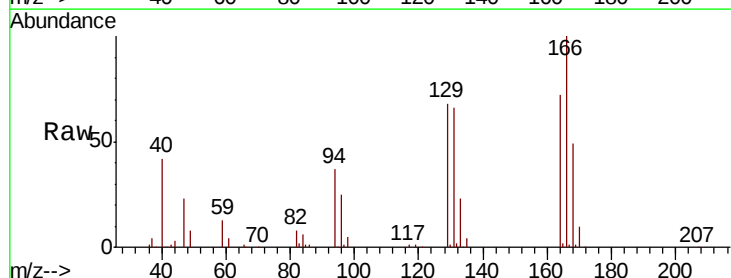
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

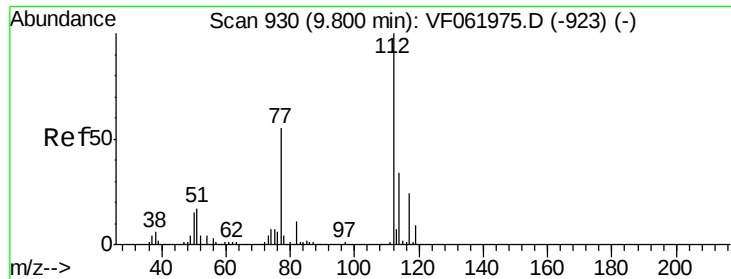
Tgt Ion:117 Resp: 361527
Ion Ratio Lower Upper
117 100
82 51.6 42.5 63.7
119 32.9 25.4 38.0



#64
Tetrachloroethene
Concen: 22.515 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.00 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

Tgt Ion:164 Resp: 59168
Ion Ratio Lower Upper
164 100
166 138.1 100.0 150.0
129 94.3 72.4 108.6
131 91.6 67.1 100.7

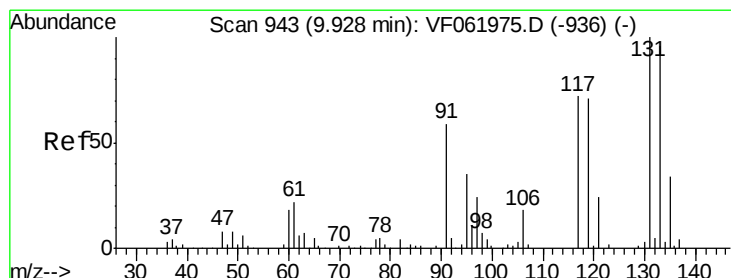
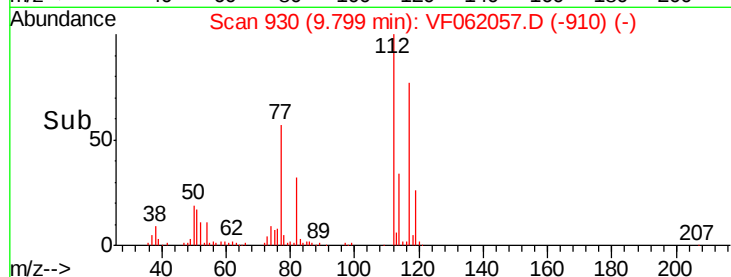
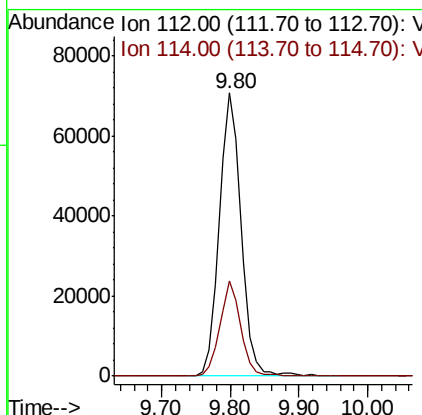
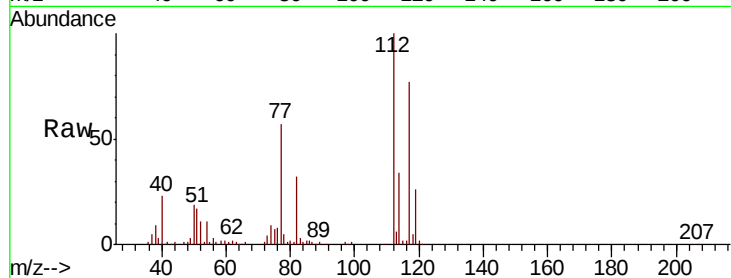




#65
Chlorobenzene
Concen: 23.072 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

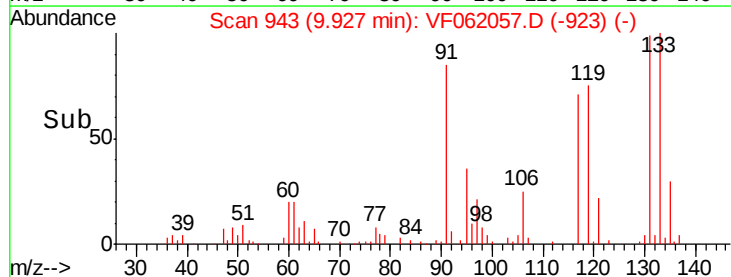
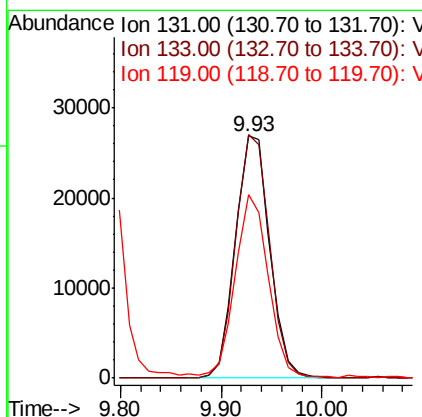
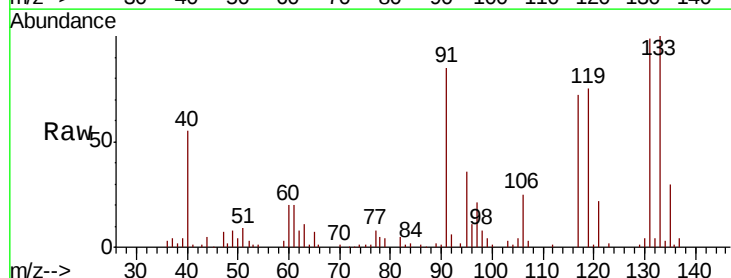
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

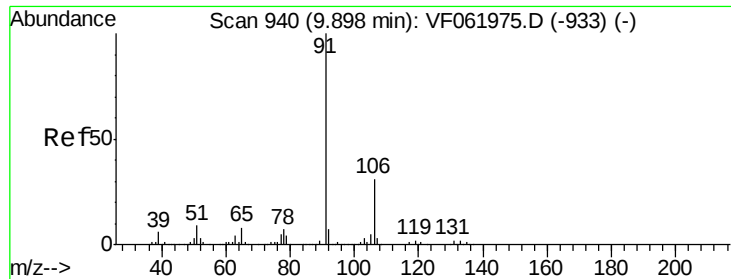
Tgt Ion:112 Resp: 155297
Ion Ratio Lower Upper
112 100
114 33.6 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 24.488 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

Tgt Ion:131 Resp: 63890
Ion Ratio Lower Upper
131 100
133 100.6 48.0 144.2
119 75.6 35.9 107.7

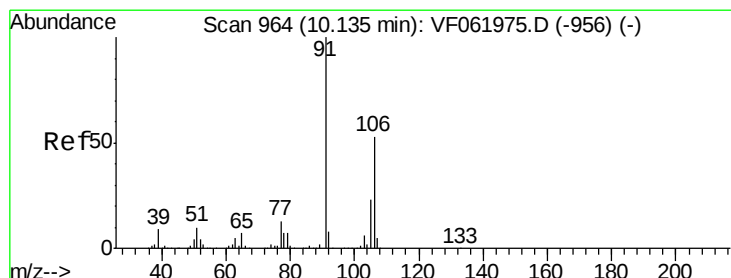
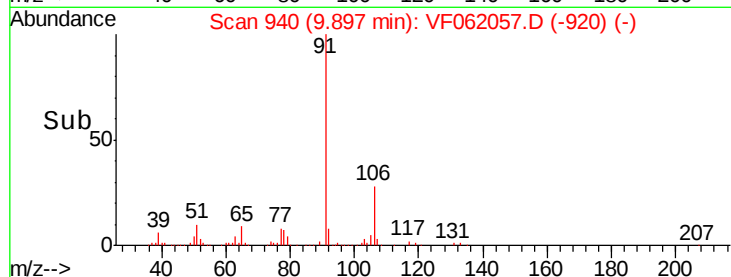
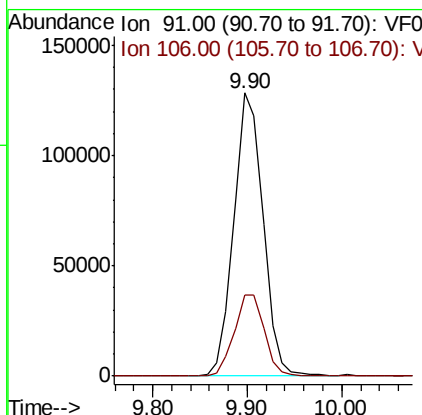
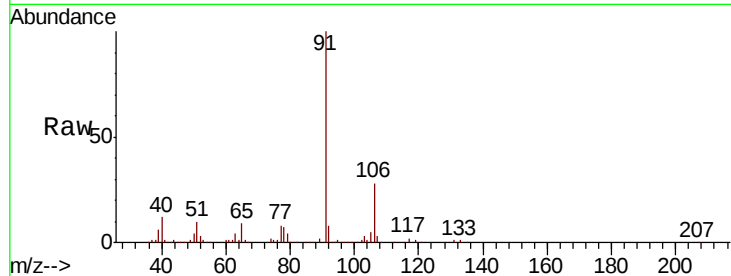




#67
Ethyl Benzene
Concen: 23.953 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.00 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

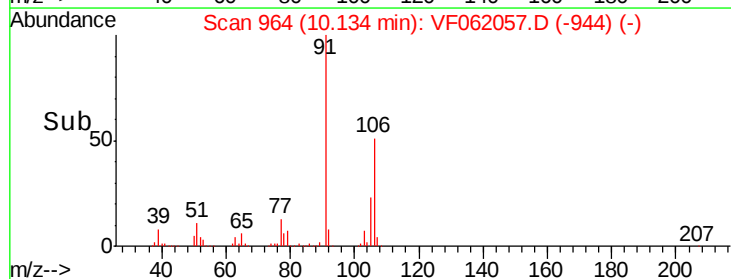
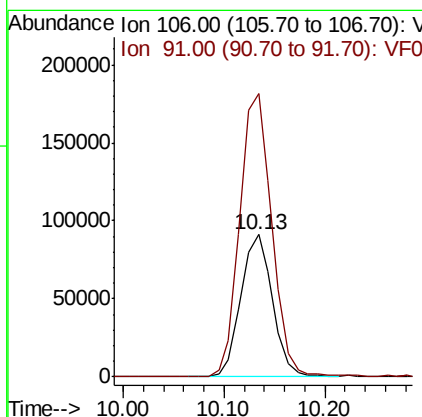
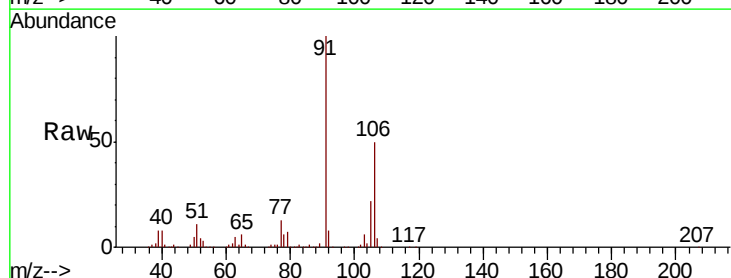
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

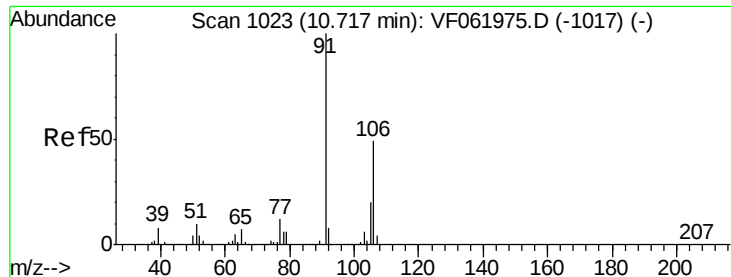
Tgt Ion: 91 Resp: 276059
Ion Ratio Lower Upper
91 100
106 28.4 24.4 36.6



#68
m/p-Xylenes
Concen: 46.057 ug/l
RT: 10.13 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

Tgt Ion: 106 Resp: 199638
Ion Ratio Lower Upper
106 100
91 199.2 151.9 227.9

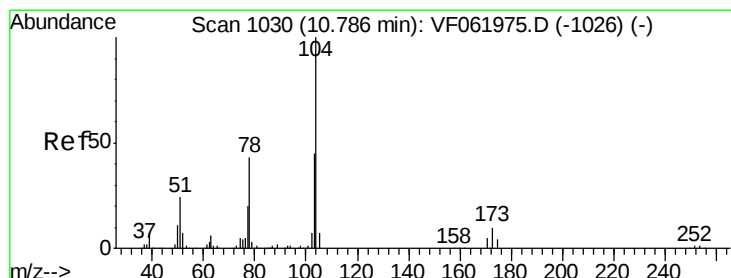
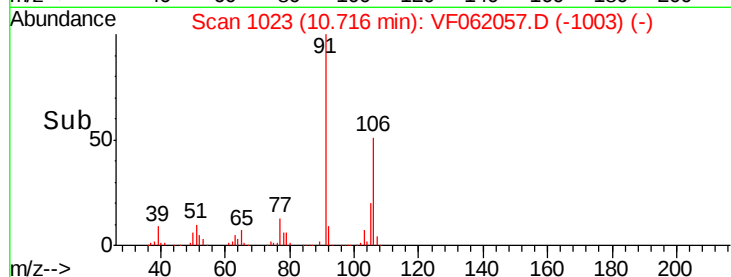
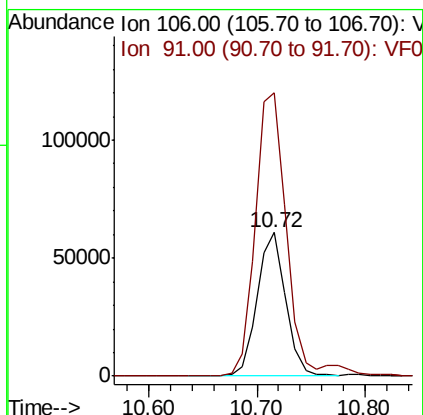
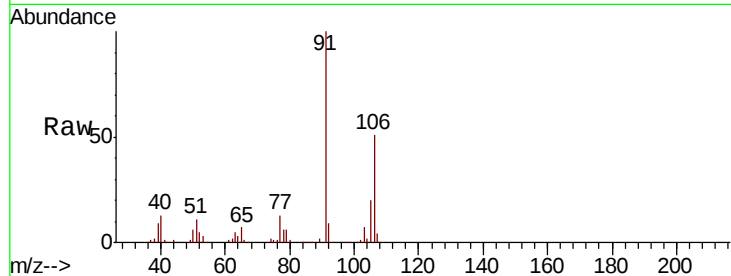




#69
o-Xylene
Concen: 24.327 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

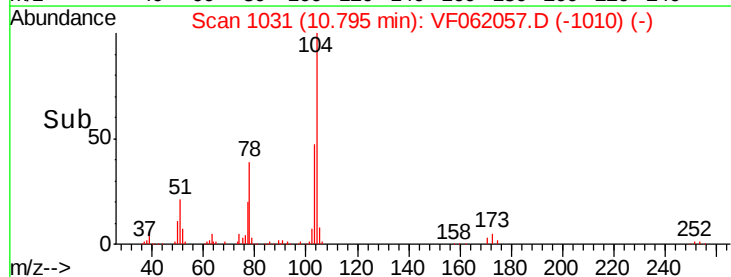
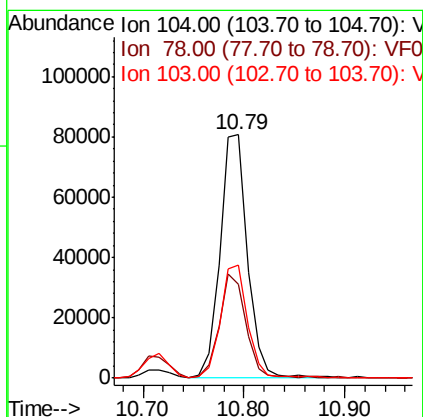
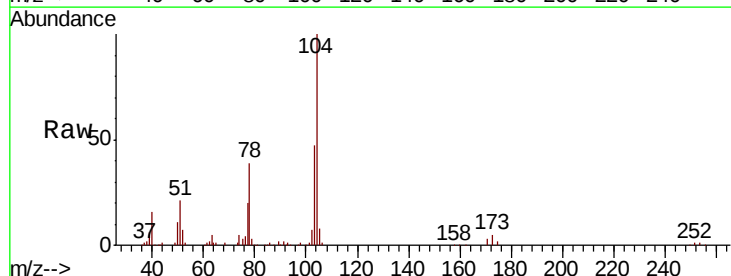
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

Tgt Ion:106 Resp: 112834
Ion Ratio Lower Upper
106 100
91 196.9 102.3 306.8



#70
Styrene
Concen: 23.764 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

Tgt Ion:104 Resp: 152699
Ion Ratio Lower Upper
104 100
78 38.6 34.7 52.1
103 46.6 36.6 54.8





#71

Bromoform

Concen: 23.270 ug/l

RT: 10.77 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBSD01

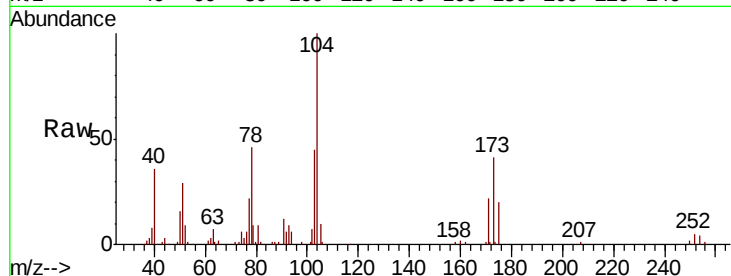
Tgt Ion:173 Resp: 30709

Ion Ratio Lower Upper

173 100

175 49.0 23.7 71.1

254 9.6 7.8 11.8

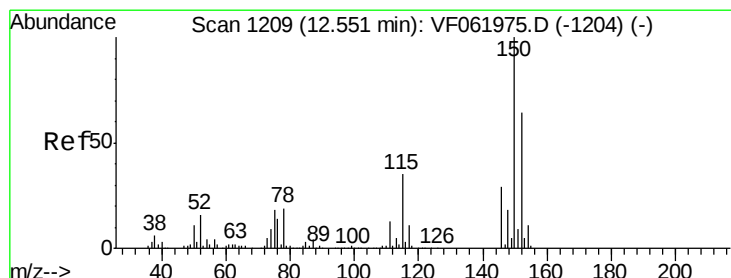
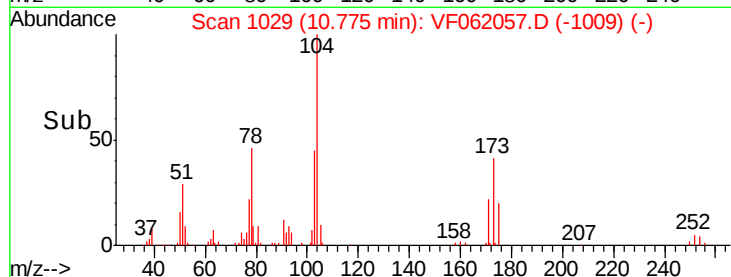
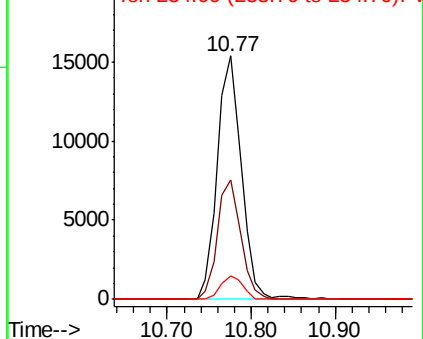


Abundance

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: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

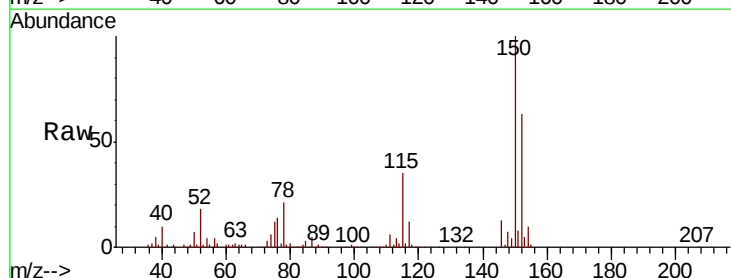
Tgt Ion:152 Resp: 188827

Ion Ratio Lower Upper

152 100

115 55.7 27.3 81.9

150 158.1 0.0 316.2

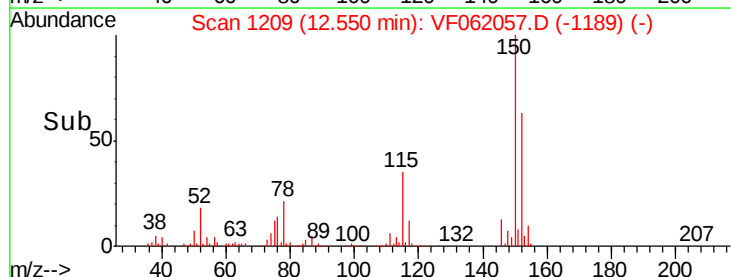
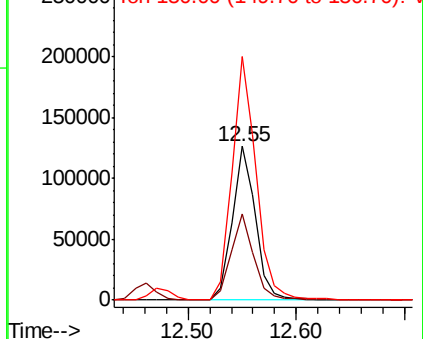


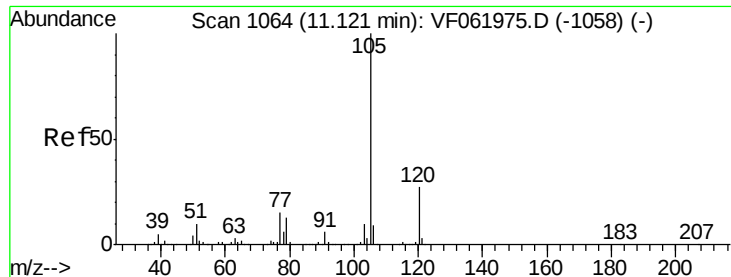
Abundance

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: 24.715 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

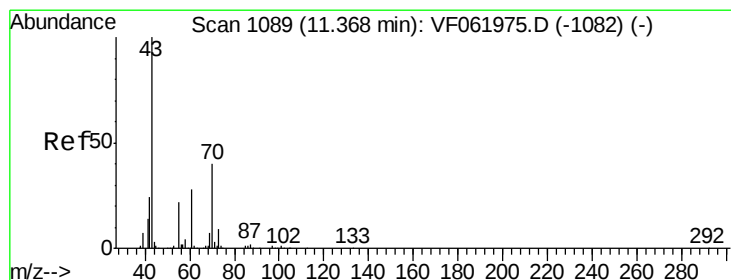
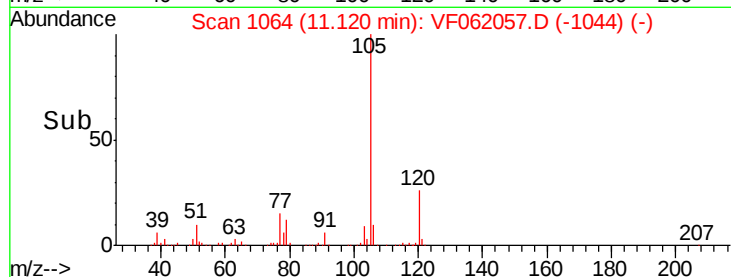
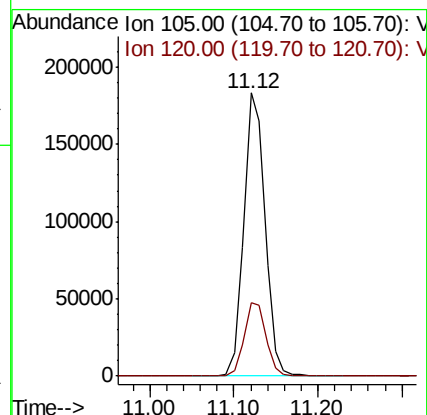
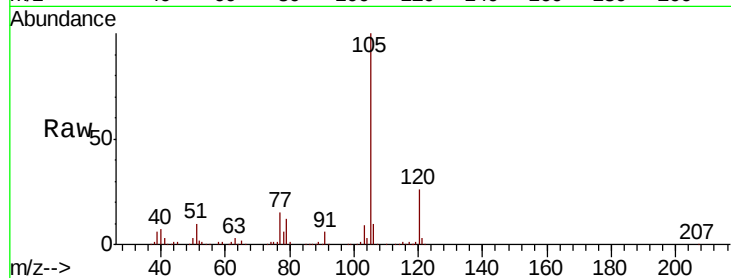
VF0321SBS01

Tgt Ion:105 Resp: 322412

Ion Ratio Lower Upper

105 100

120 25.9 13.8 41.3



#74

N-ethyl acetate

Concen: 25.404 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Tgt Ion: 43 Resp: 75936

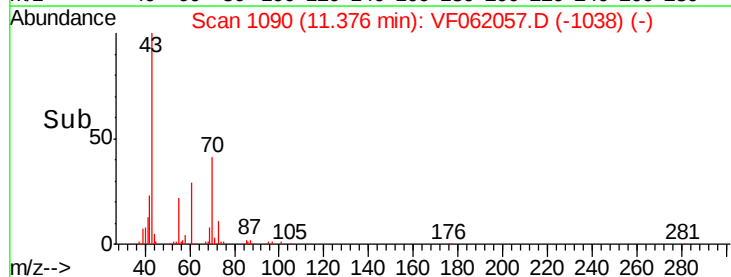
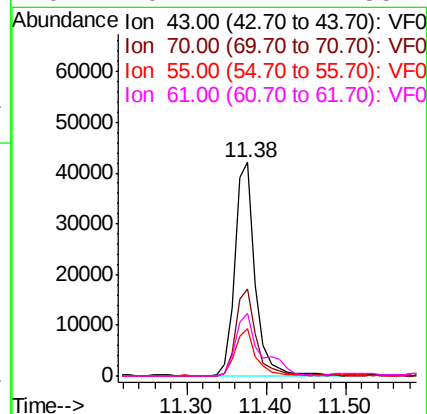
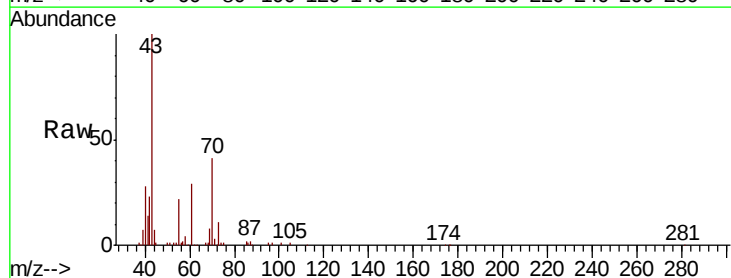
Ion Ratio Lower Upper

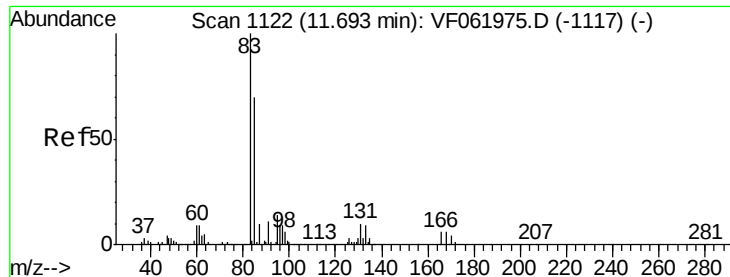
43 100

70 40.9 31.9 47.9

55 22.4 17.9 26.9

61 29.4 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 24.026 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

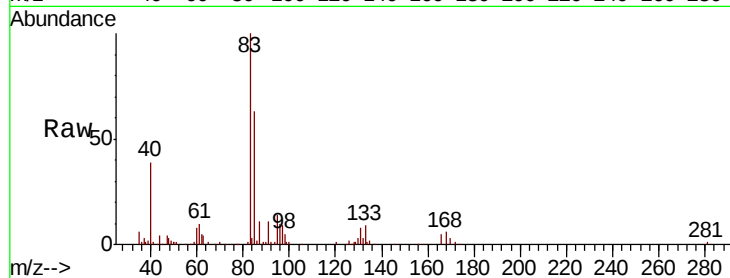
Tgt Ion: 83 Resp: 51735

Ion Ratio Lower Upper

83 100

131 7.8 4.9 14.7

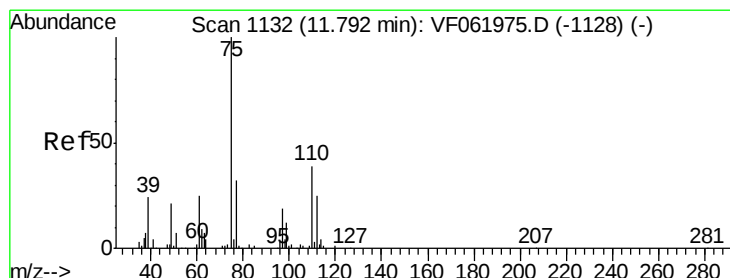
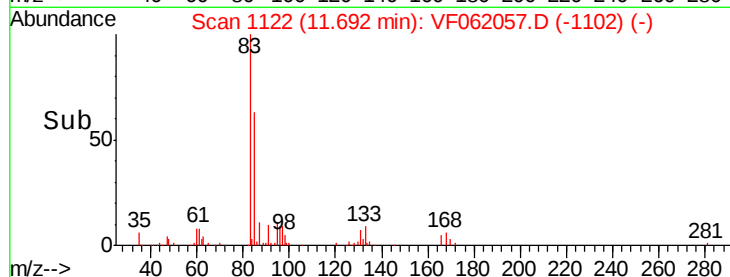
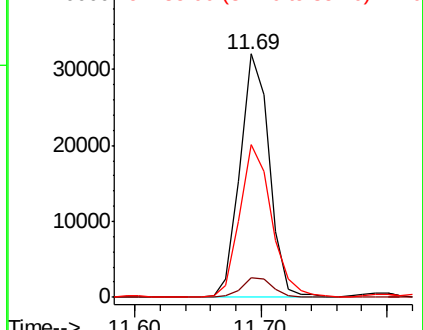
85 62.8 35.3 105.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 23.351 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF062057.D

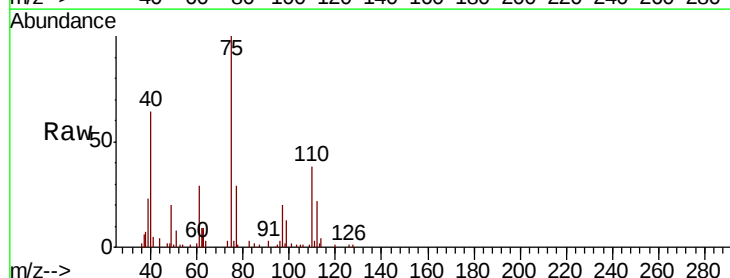
Acq: 21 Mar 2019 13:33

Tgt Ion: 75 Resp: 35159

Ion Ratio Lower Upper

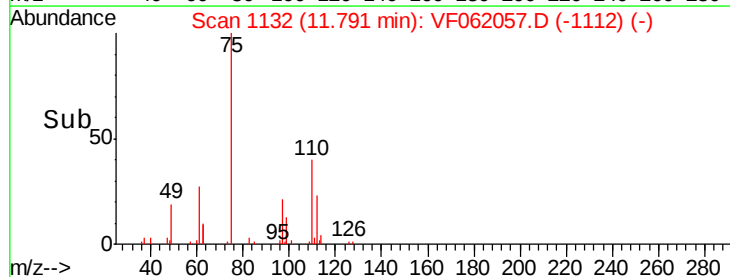
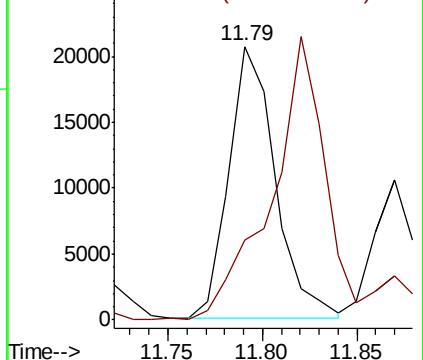
75 100

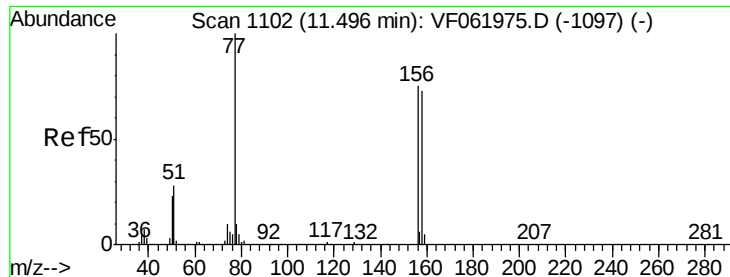
77 29.0 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.157 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

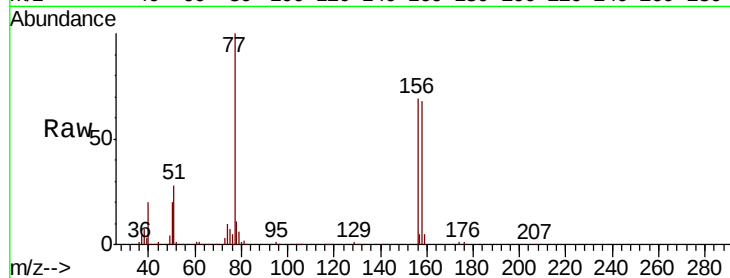
Tgt Ion: 156 Resp: 63915

Ion Ratio Lower Upper

156 100

77 144.1 67.0 201.0

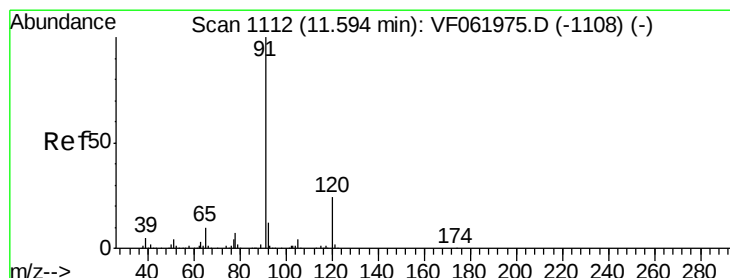
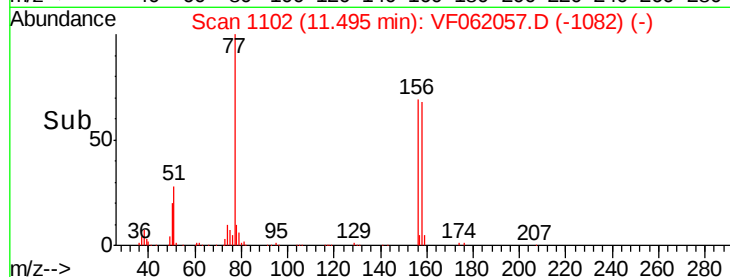
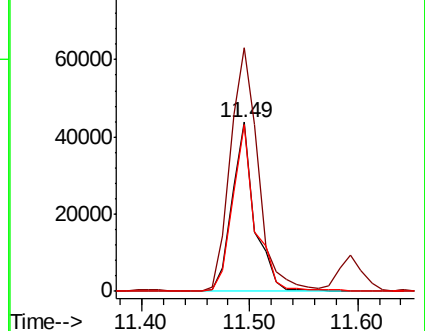
158 98.4 48.9 146.7



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: 24.272 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062057.D

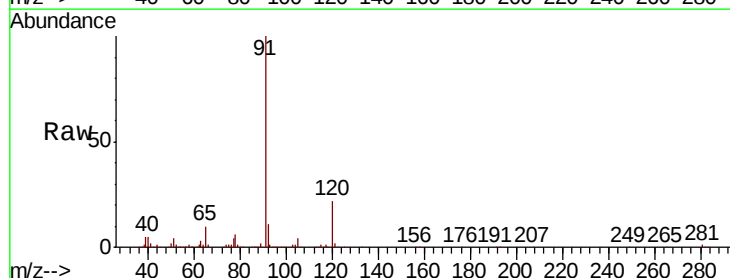
Acq: 21 Mar 2019 13:33

Tgt Ion: 91 Resp: 364087

Ion Ratio Lower Upper

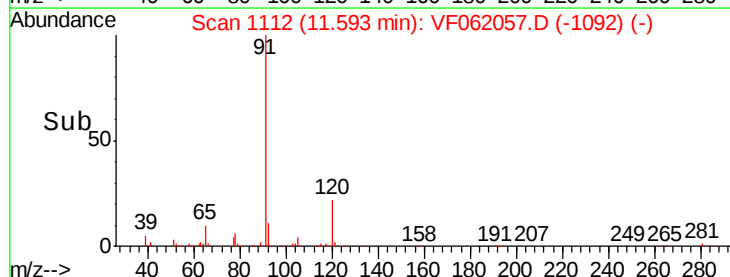
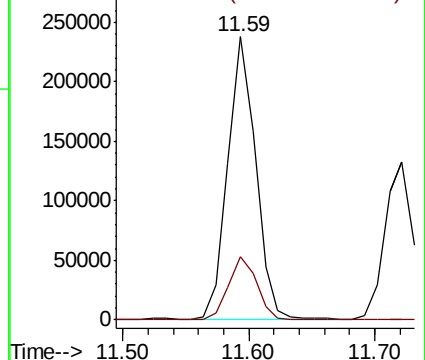
91 100

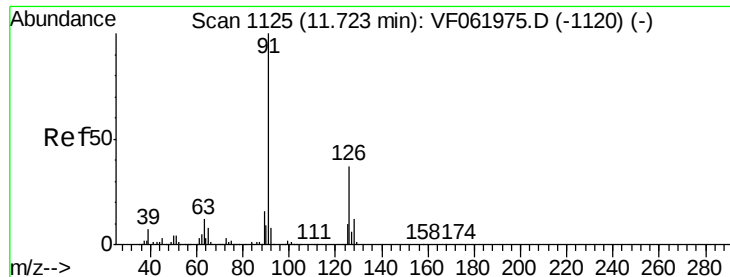
120 22.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

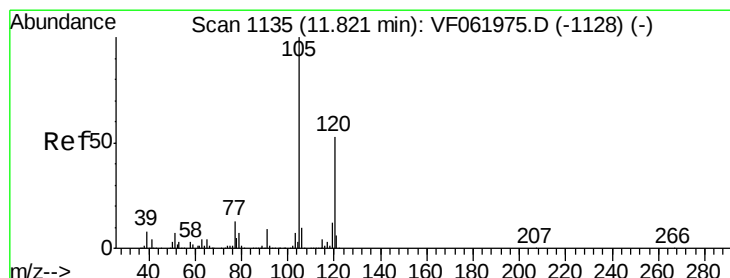
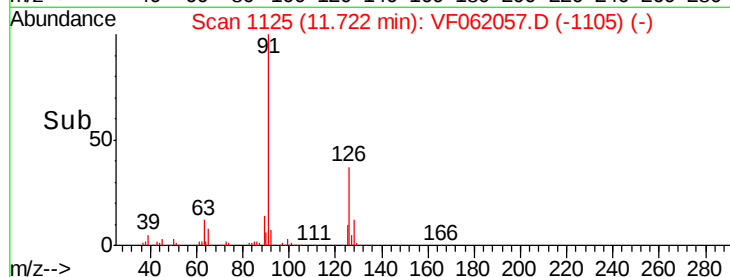
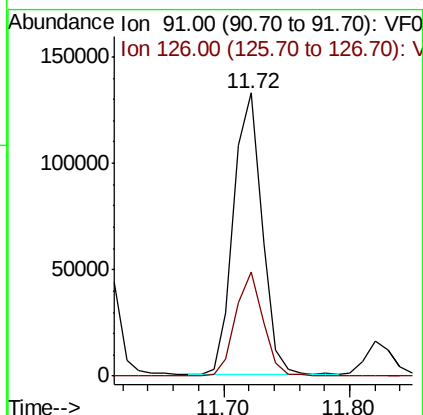
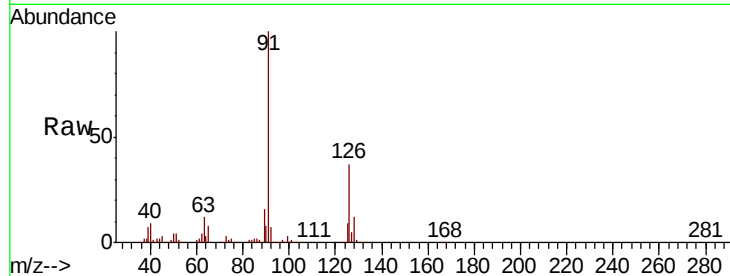




#79
 2-Chlorotoluene
 Concen: 24.453 ug/l
 RT: 11.72 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

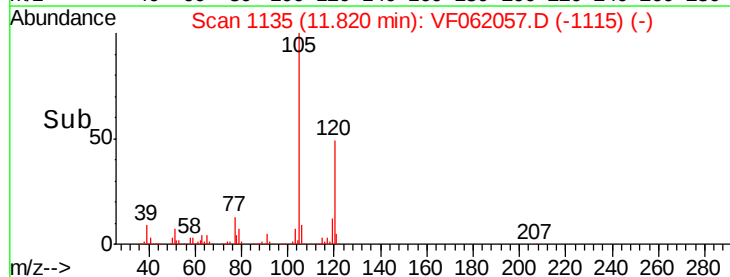
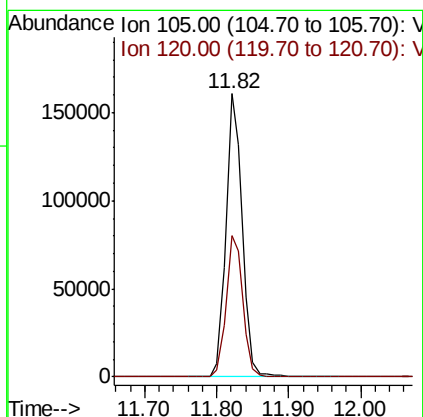
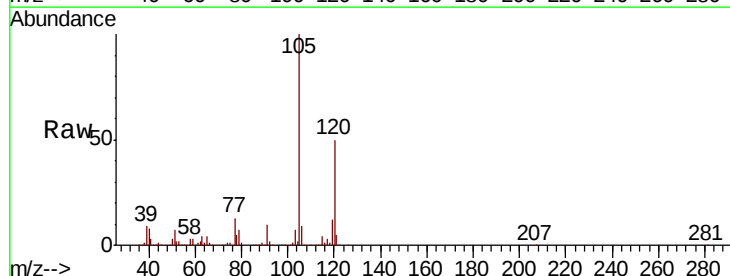
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBSD01

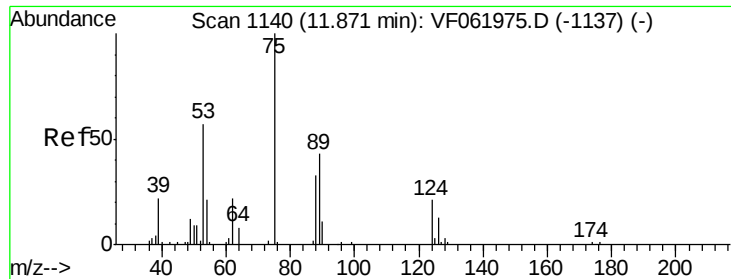
Tgt Ion: 91 Resp: 207045
 Ion Ratio Lower Upper
 91 100
 126 36.7 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 23.729 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

Tgt Ion: 105 Resp: 250054
 Ion Ratio Lower Upper
 105 100
 120 50.1 26.6 79.7

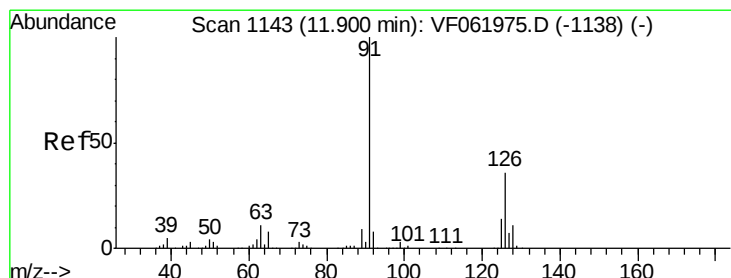
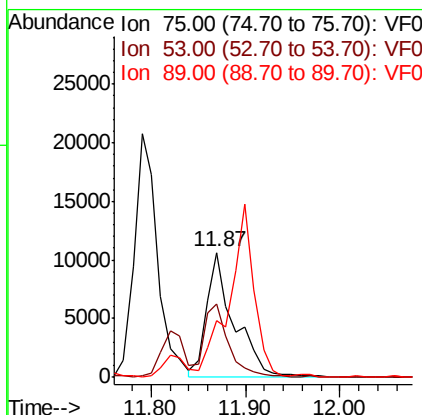
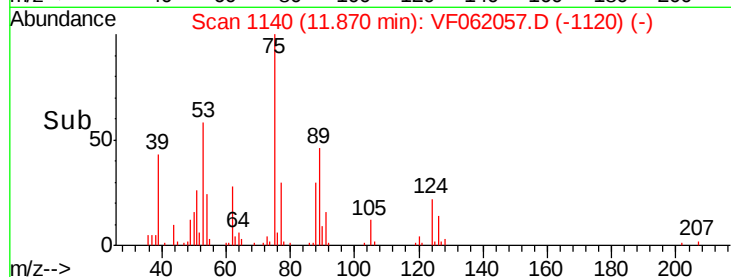
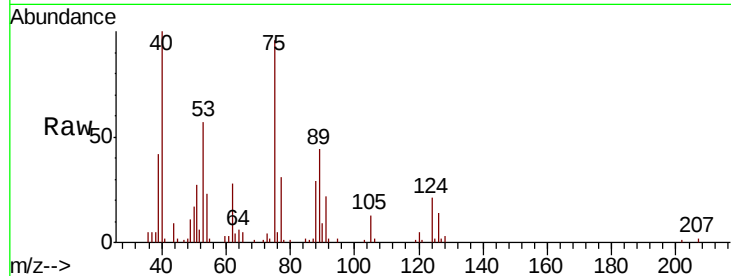




#81
trans-1,4-Dichloro-2-butene
Concen: 32.966 ug/l
RT: 11.87 min Scan# 1140
Delta R.T. -0.00 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

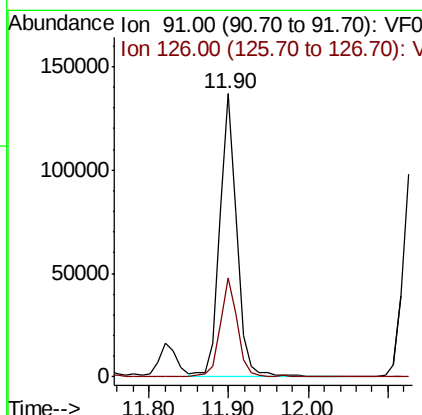
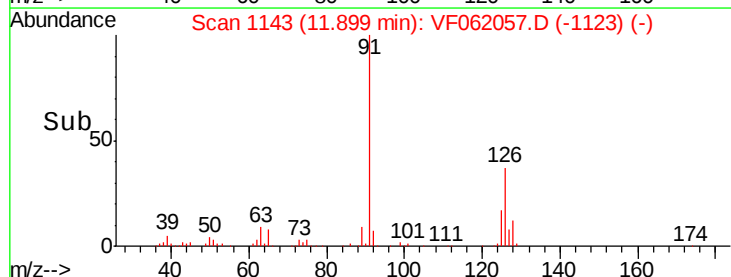
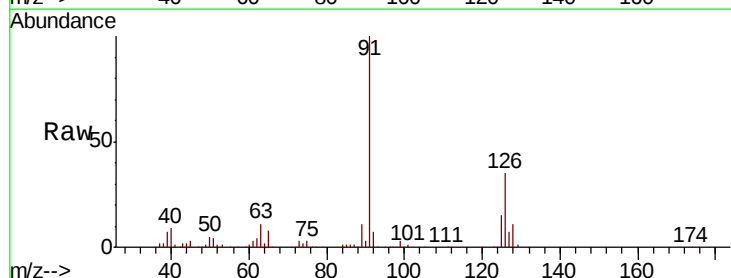
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

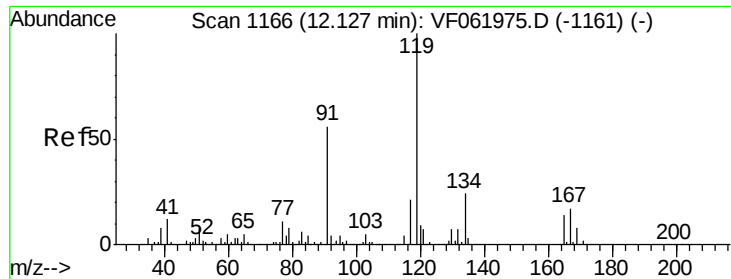
Tgt Ion: 75 Resp: 21959
Ion Ratio Lower Upper
75 100
53 59.1 49.0 73.6
89 45.7 37.1 55.7



#82
4-Chlorotoluene
Concen: 23.923 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

Tgt Ion: 91 Resp: 204831
Ion Ratio Lower Upper
91 100
126 34.9 18.1 54.1

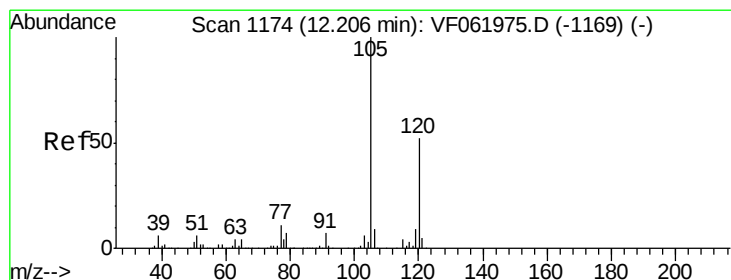
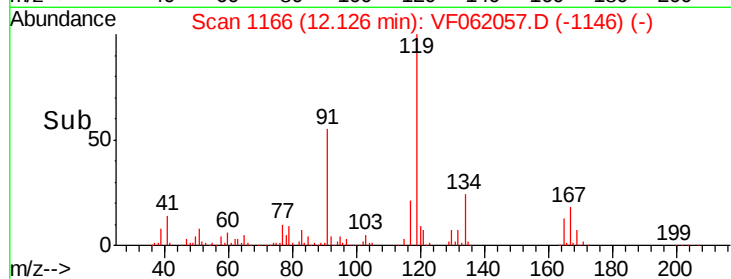
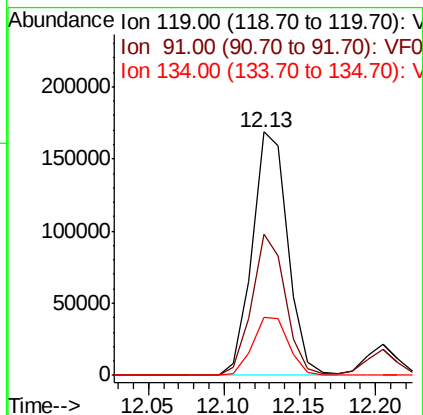
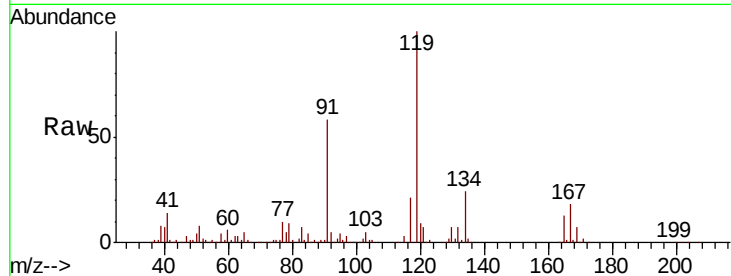




#83
 tert-Butylbenzene
 Concen: 25.129 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

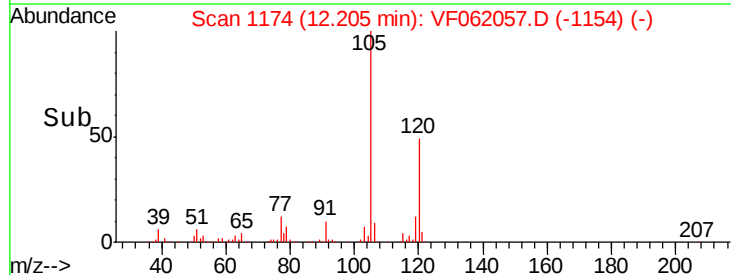
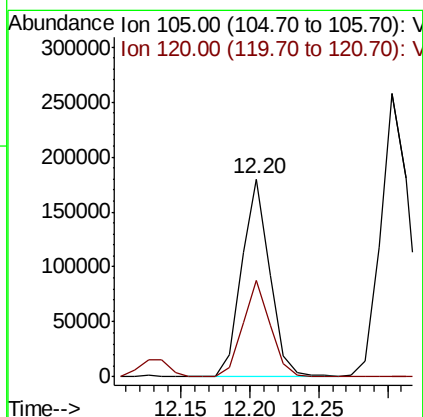
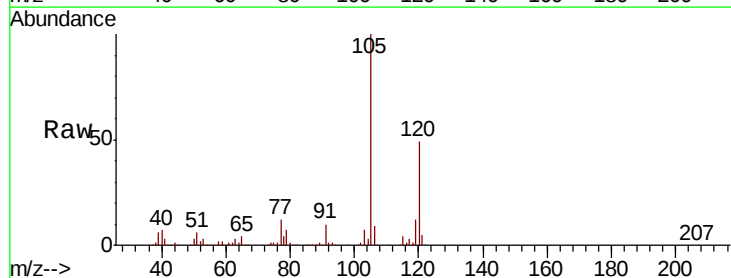
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

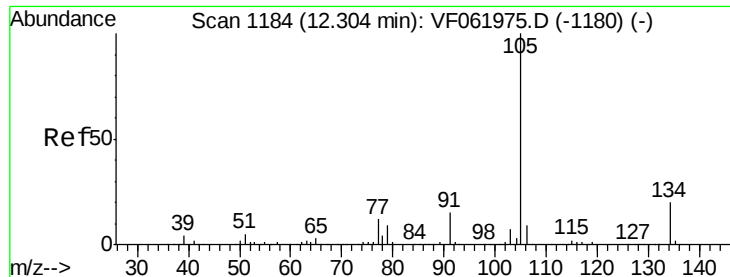
Tgt Ion:119 Resp: 276941
 Ion Ratio Lower Upper
 119 100
 91 58.2 27.9 83.6
 134 23.8 12.3 36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 24.226 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

Tgt Ion:105 Resp: 255707
 Ion Ratio Lower Upper
 105 100
 120 48.8 25.9 77.8

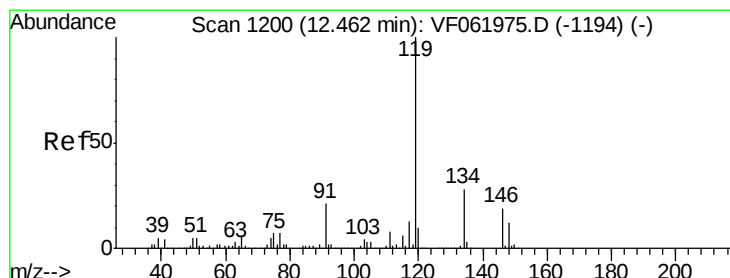
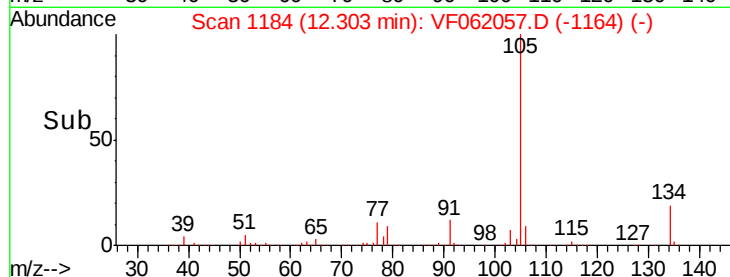
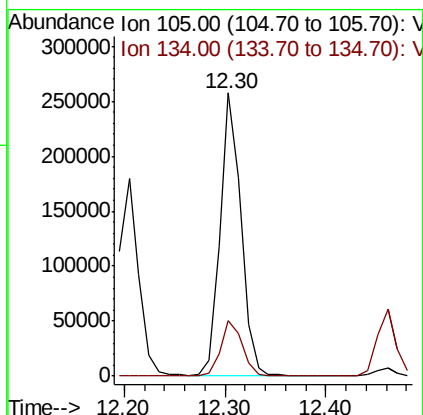
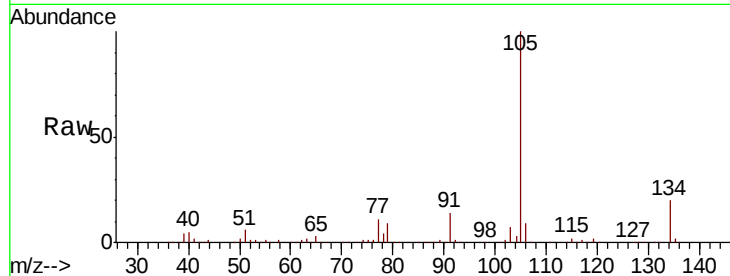




#85
 sec-Butylbenzene
 Concen: 25.054 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

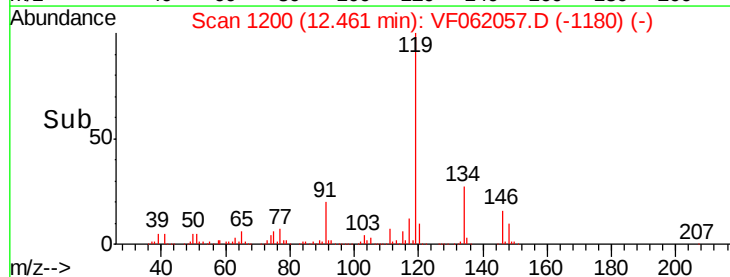
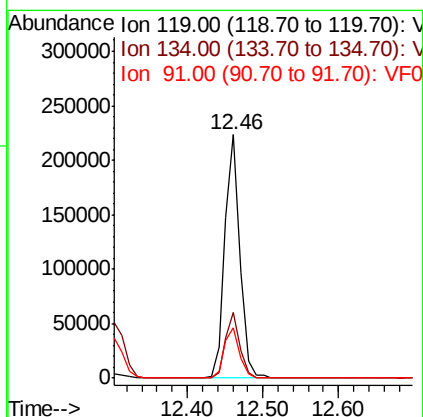
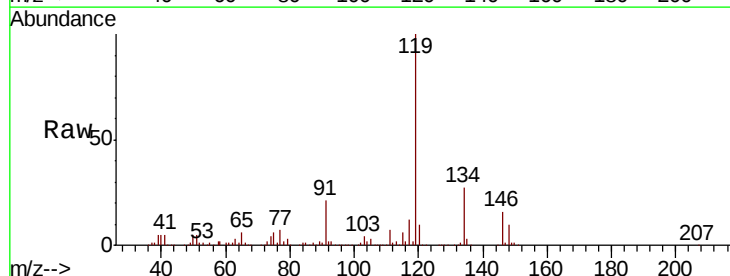
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

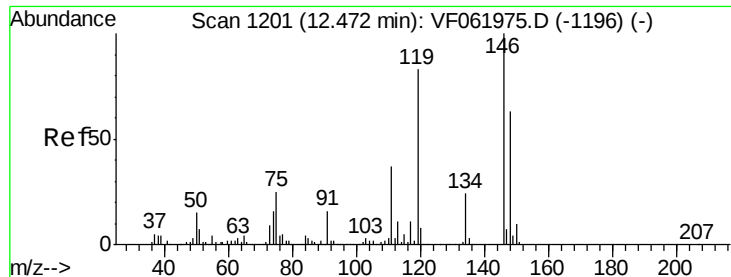
Tgt Ion:105 Resp: 373044
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 24.889 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

Tgt Ion:119 Resp: 309234
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.9 41.7
 91 20.5 10.4 31.1

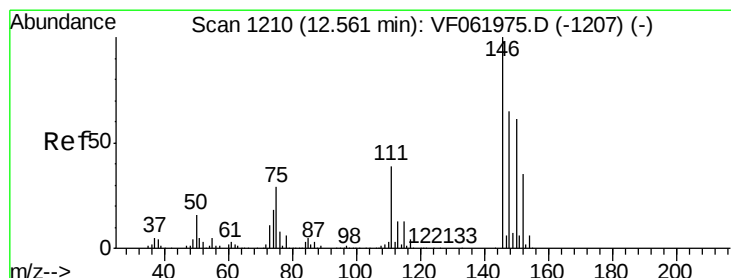
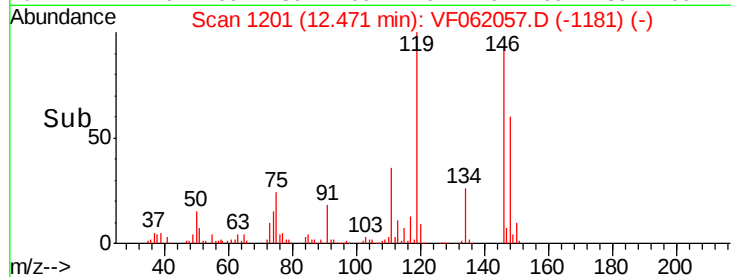
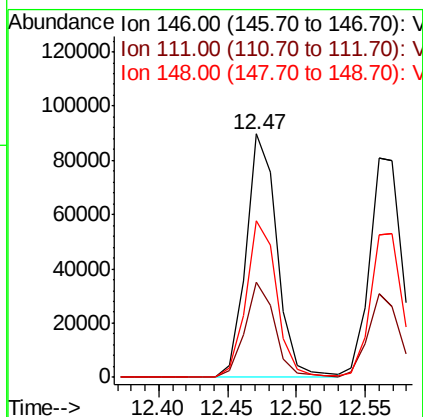
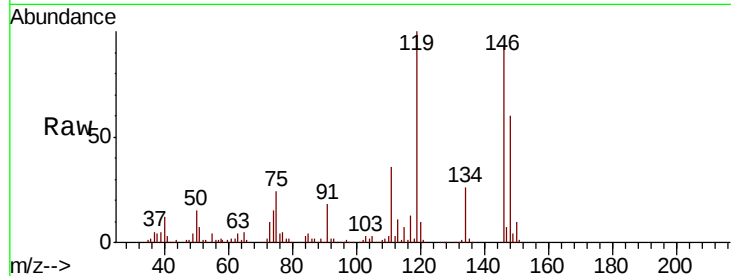




#87
 1,3-Dichlorobenzene
 Concen: 23.740 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

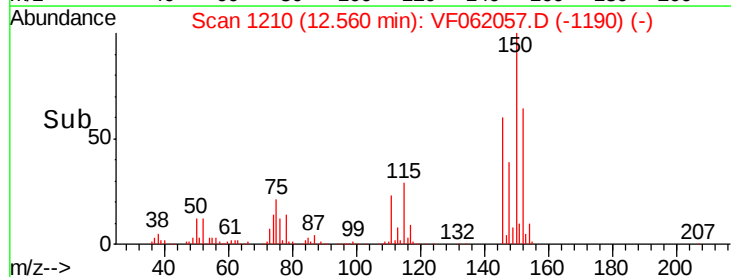
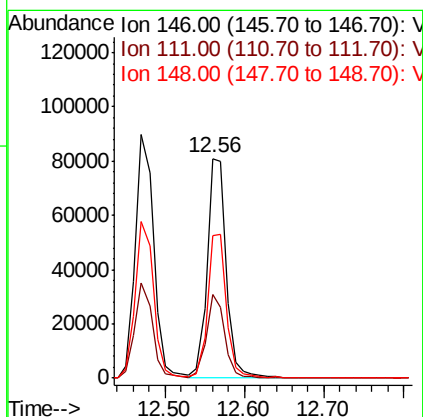
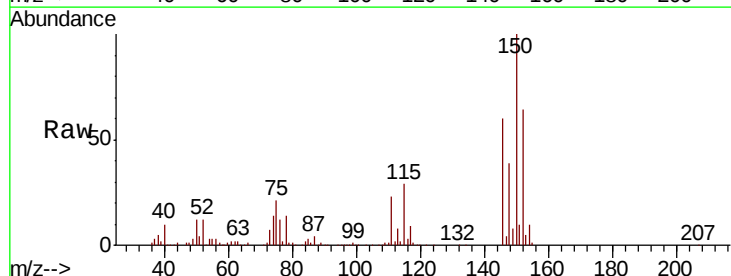
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBSD01

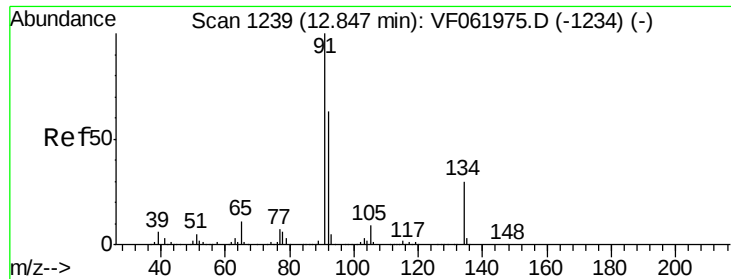
Tgt Ion:146 Resp: 140959
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.6 55.8
 148 64.3 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 23.728 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

Tgt Ion:146 Resp: 135607
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.4 58.1
 148 64.9 32.4 97.0





#89

n-Butylbenzene

Concen: 25.495 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VF062057.D

Acq: 21 Mar 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

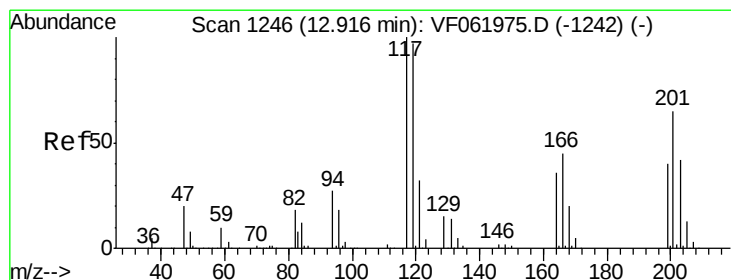
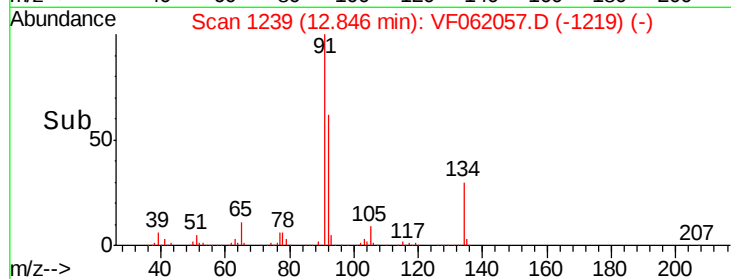
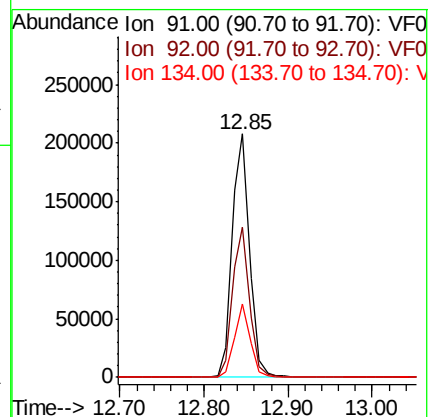
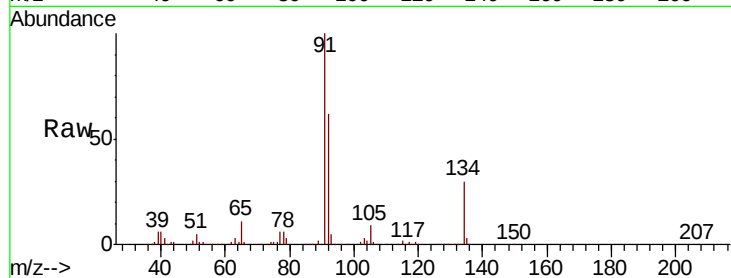
Tgt Ion: 91 Resp: 297655

Ion Ratio Lower Upper

91 100

92 61.7 31.7 95.1

134 30.1 15.1 45.3



#90

Hexachloroethane

Concen: 25.095 ug/l

RT: 12.91 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VF062057.D

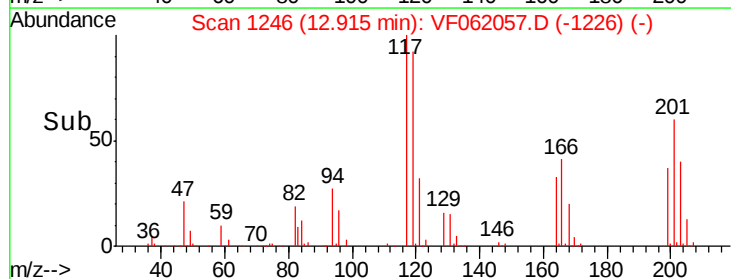
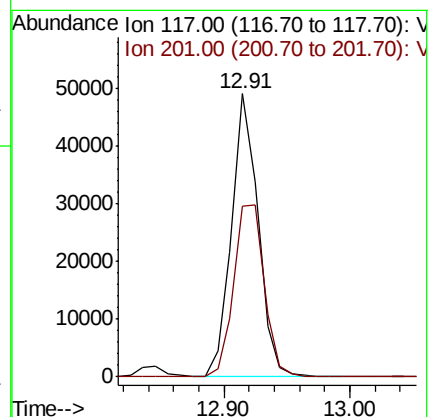
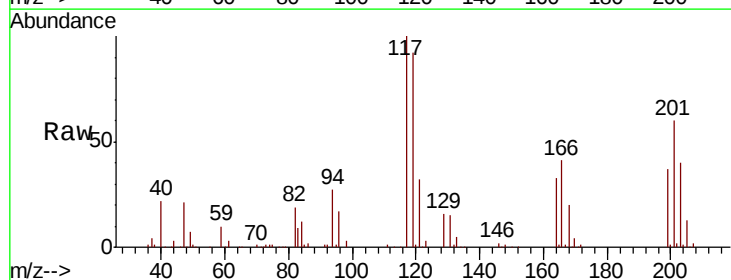
Acq: 21 Mar 2019 13:33

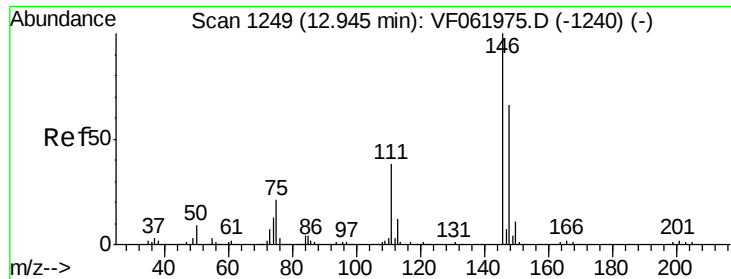
Tgt Ion: 117 Resp: 71156

Ion Ratio Lower Upper

117 100

201 60.3 32.5 97.5

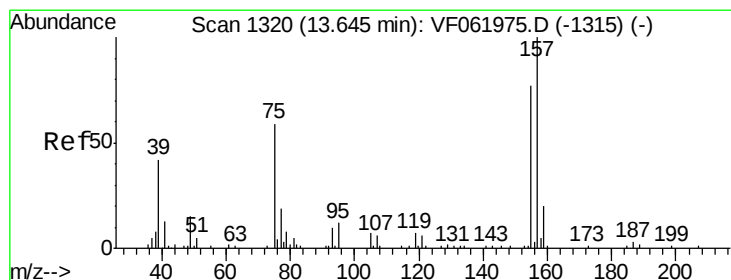
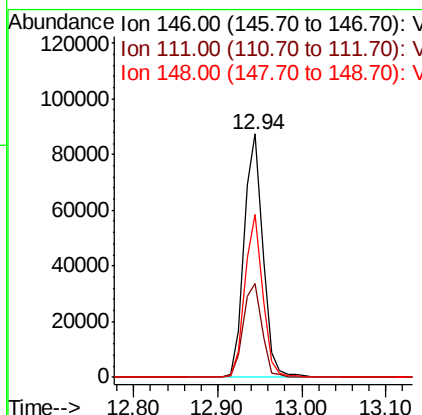
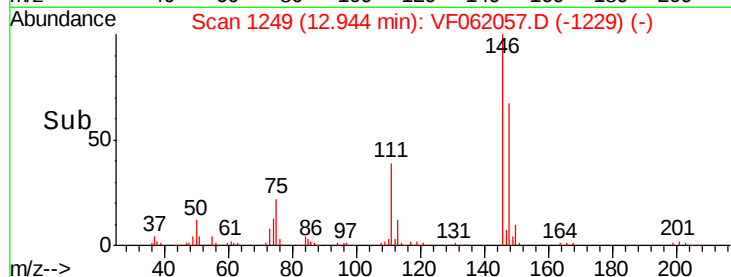
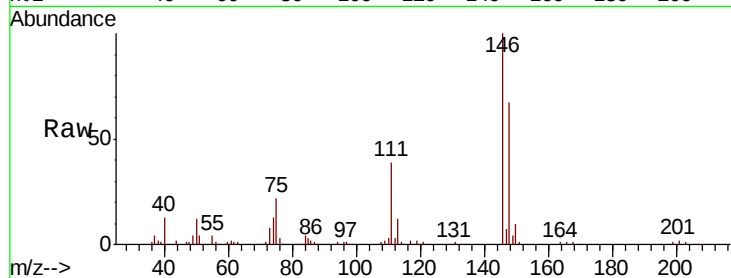




#91
 1,2-Dichlorobenzene
 Concen: 24.811 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

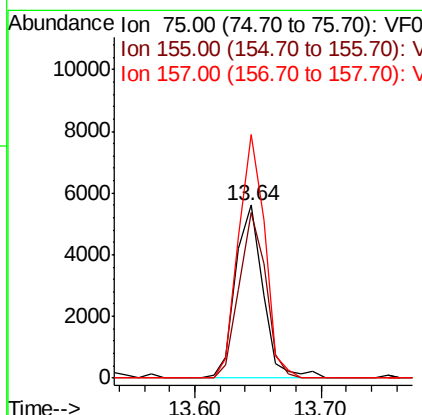
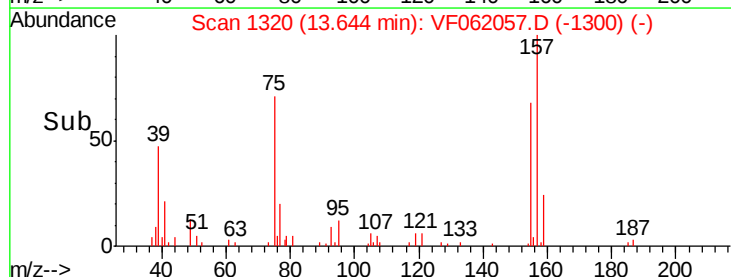
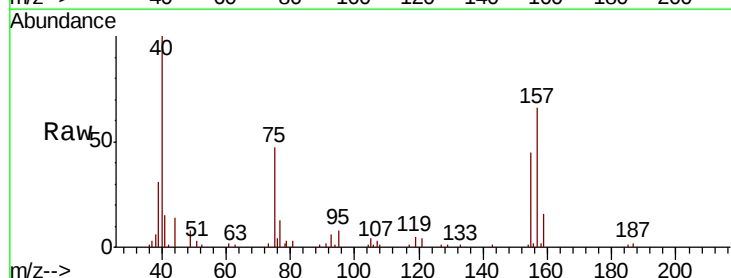
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

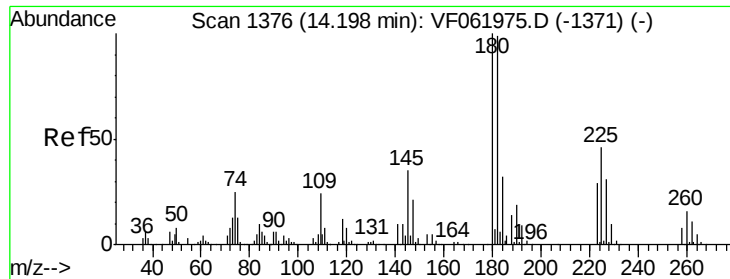
Tgt Ion: 146 Resp: 136443
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.9 56.5
 148 66.8 32.9 98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.507 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

Tgt Ion: 75 Resp: 8468
 Ion Ratio Lower Upper
 75 100
 155 95.9 65.0 195.1
 157 141.1 84.7 254.0

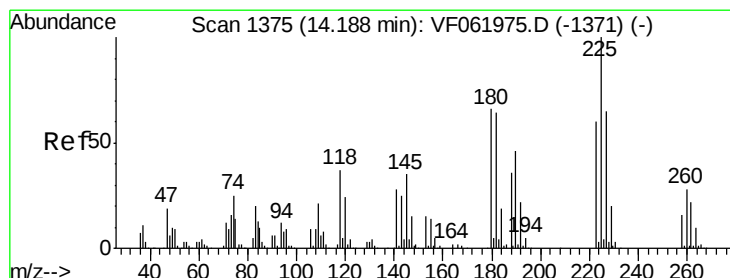
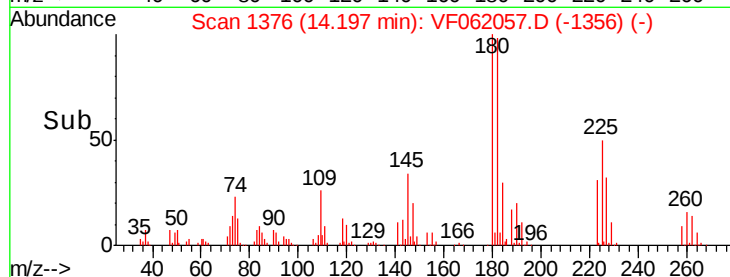
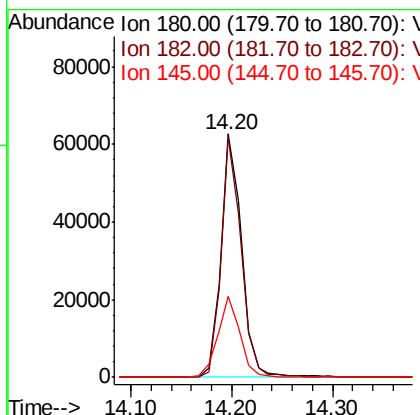
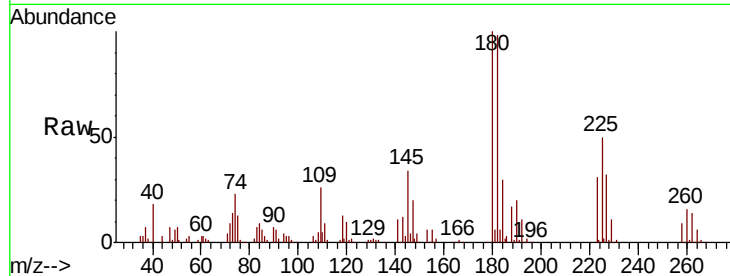




#93
 1,2,4-Trichlorobenzene
 Concen: 23.509 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

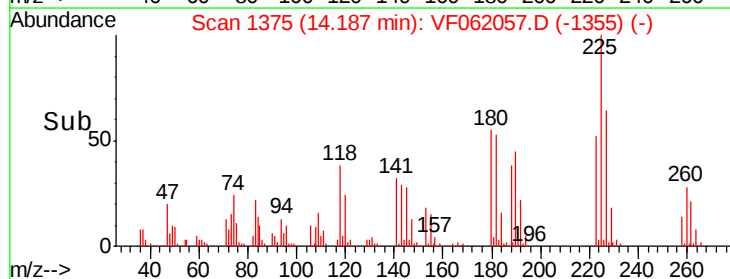
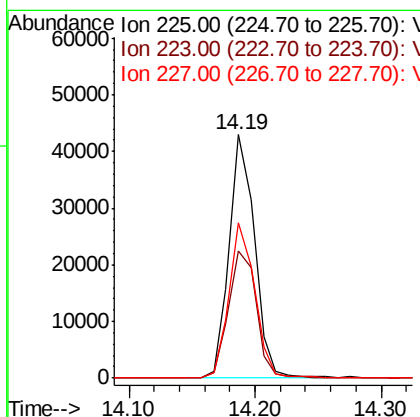
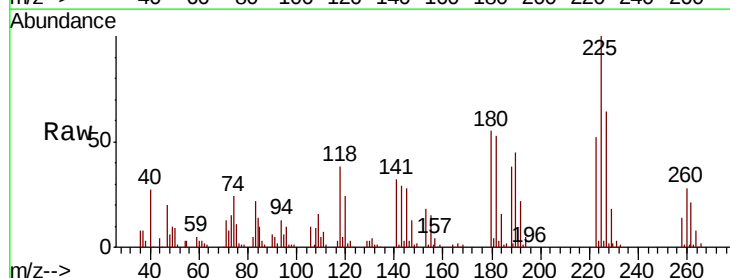
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

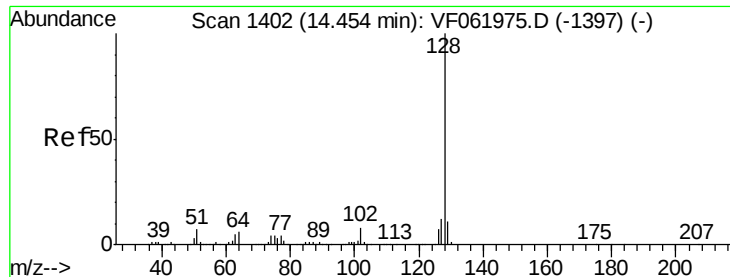
Tgt Ion:180 Resp: 90029
 Ion Ratio Lower Upper
 180 100
 182 98.4 49.6 149.0
 145 33.5 17.5 52.5



#94
 Hexachlorobutadiene
 Concen: 23.584 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF062057.D
 Acq: 21 Mar 2019 13:33

Tgt Ion:225 Resp: 59958
 Ion Ratio Lower Upper
 225 100
 223 52.2 29.9 89.7
 227 63.8 32.4 97.2

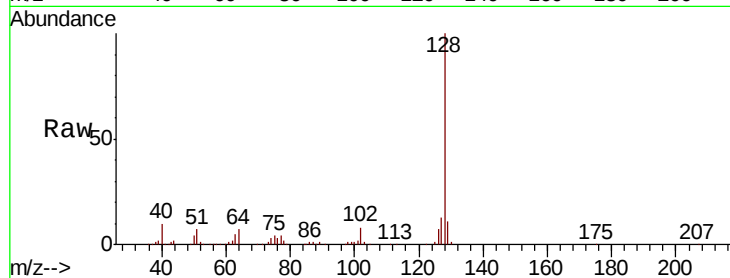




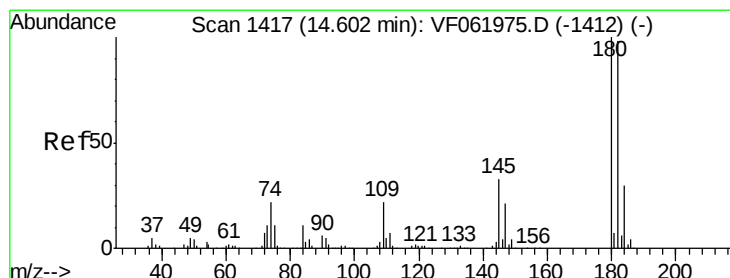
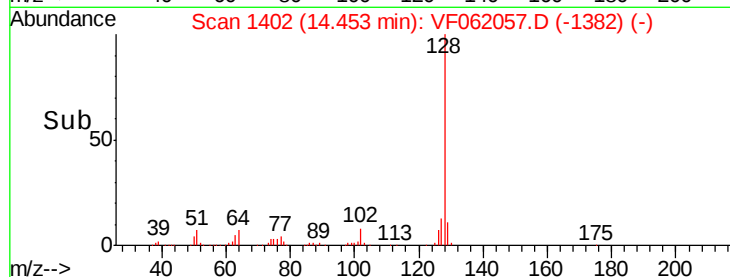
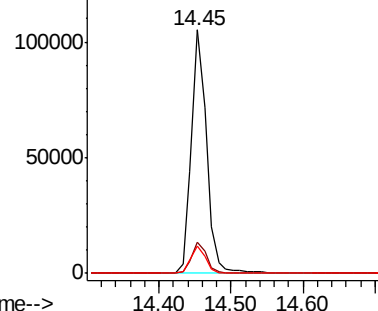
#95
Naphthalene
Concen: 22.231 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

Tgt Ion:128 Resp: 153113
Ion Ratio Lower Upper
128 100
127 12.7 9.3 13.9
129 11.1 9.1 13.7

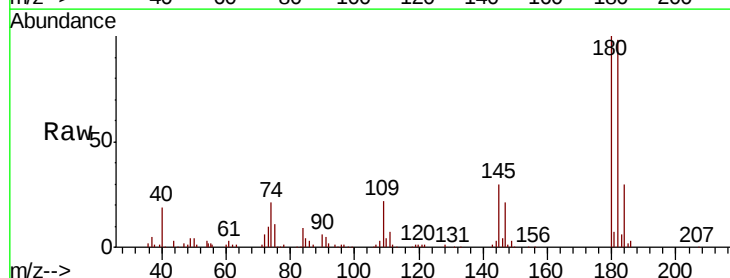


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.874 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062057.D
Acq: 21 Mar 2019 13:33

Tgt Ion:180 Resp: 80588
Ion Ratio Lower Upper
180 100
182 98.1 48.9 146.8
145 30.0 16.7 50.1



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

