

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032019\
 Data File : VF062035.D
 Acq On : 20 Mar 2019 12:49
 Operator : VA/AP
 Sample : VF0320SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBSD01

Quant Time: Mar 20 13:30:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	251153	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	375096	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	328729	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	179309	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	89526	49.52	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	4.10	113	128343	50.95	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	7.53	98	337285	45.81	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	91.62%	
62) 4-Bromofluorobenzene	11.40	95	143317	48.99	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	60400	22.559	ug/l	95
3) Chloromethane	1.09	50	60480	22.229	ug/l #	89
4) Vinyl Chloride	1.13	62	59344	22.552	ug/l	96
5) Bromomethane	1.31	94	39747	21.501	ug/l	83
6) Chloroethane	1.39	64	31520	23.203	ug/l	97
7) Trichlorofluoromethane	1.47	101	79209	22.721	ug/l	96
8) Diethyl Ether	1.62	74	17048	21.997	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.82	101	54468	22.175	ug/l	90
10) Methyl Iodide	1.90	142	73584	17.117	ug/l	95
11) Tert butyl alcohol	2.56	59	13265	119.908	ug/l	96
12) 1,1-Dichloroethene	1.79	96	46450	21.913	ug/l	98
13) Acrolein	2.00	56	9160	76.701	ug/l	93
14) Allyl chloride	2.09	41	61182	22.611	ug/l	95
15) Acrylonitrile	2.93	53	34918	103.796	ug/l	95
16) Acetone	2.22	43	49198	121.186	ug/l	92
17) Carbon Disulfide	1.81	76	129867	21.184	ug/l	97
18) Methyl Acetate	2.41	43	21262	25.600	ug/l #	89
19) Methyl tert-butyl Ether	2.42	73	79492	20.696	ug/l	99
20) Methylene Chloride	2.17	84	22583	10.805	ug/l	97
21) trans-1,2-Dichloroethene	2.30	96	50406	22.787	ug/l	96
22) Diisopropyl ether	2.79	45	143019	21.974	ug/l	99
23) Vinyl Acetate	3.17	43	290780	113.334	ug/l	97
24) 1,1-Dichloroethane	2.86	63	83393	22.036	ug/l	98
25) 2-Butanone	4.32	43	86065	107.044	ug/l	93
26) 2,2-Dichloropropane	3.58	77	38180	21.389	ug/l	92
27) cis-1,2-Dichloroethene	3.46	96	59598	21.376	ug/l	100
28) Bromochloromethane	3.70	49	31839	20.276	ug/l #	72
29) Tetrahydrofuran	4.06	42	35445	101.370	ug/l	98
30) Chloroform	3.84	83	98274	22.919	ug/l	94
31) Cyclohexane	3.67	56	54007	14.566	ug/l	93
32) 1,1,1-Trichloroethane	4.08	97	65300	22.932	ug/l	93
36) 1,1-Dichloropropene	4.26	75	77522	22.886	ug/l	99
37) Ethyl Acetate	4.09	43	31052	20.416	ug/l #	85
38) Carbon Tetrachloride	4.08	117	11920	4.815	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	87590	22.026	ug/l	96
40) Benzene	4.61	78	202249	22.533	ug/l	98
41) Methacrylonitrile	4.73	41	18480	22.742	ug/l	94
42) 1,2-Dichloroethane	4.93	62	51827	23.196	ug/l	99
43) Isopropyl Acetate	6.94	43	38938	21.638	ug/l #	90
44) Trichloroethene	5.49	130	61940	22.528	ug/l	99
45) 1,2-Dichloropropane	6.22	63	47689	22.451	ug/l	98
46) Dibromomethane	6.07	93	28685	22.701	ug/l	88
47) Bromodichloromethane	6.37	83	67519	22.665	ug/l #	98
48) Methyl methacrylate	6.69	41	23491	20.198	ug/l	98
49) 1,4-Dioxane	6.69	88	4905	474.144	ug/l #	65
51) 4-Methyl-2-Pentanone	8.24	43	137481	107.588	ug/l	96
52) Toluene	7.60	92	119604	21.809	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	54057	21.494	ug/l	96
54) cis-1,3-Dichloropropene	7.28	75	71251	21.712	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	34031	22.234	ug/l	95
56) Ethyl methacrylate	8.60	69	37572	21.594	ug/l	94
57) 1,3-Dichloropropane	8.83	76	54399	21.306	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.27	63	27755	88.070	ug/l	93
59) 2-Hexanone	9.47	43	108546	117.374	ug/l	98
60) Dibromochloromethane	8.69	129	48544	22.846	ug/l	99
61) 1,2-Dibromoethane	8.97	107	35637	21.706	ug/l	99
64) Tetrachloroethene	8.13	164	50946	21.321	ug/l	95
65) Chlorobenzene	9.78	112	132892	21.713	ug/l	93
66) 1,1,1,2-Tetrachloroethane	9.91	131	54309	22.892	ug/l	93
67) Ethyl Benzene	9.88	91	223652	21.342	ug/l	96
68) m/p-Xylenes	10.11	106	167609	42.525	ug/l	94
69) o-Xylene	10.70	106	93463	22.161	ug/l	92
70) Styrene	10.77	104	131190	22.453	ug/l	97
71) Bromoform	10.75	173	26694	22.246	ug/l	99
73) Isopropylbenzene	11.11	105	272545	22.001	ug/l	99
74) N-amyl acetate	11.36	43	63525	22.380	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	45079	22.046	ug/l	92
76) 1,2,3-Trichloropropane	11.78	75	31543	22.061	ug/l	96
77) Bromobenzene	11.48	156	62090	21.643	ug/l	91
78) n-propylbenzene	11.58	91	309934	21.759	ug/l	100
79) 2-Chlorotoluene	11.70	91	173229	21.546	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	221335	22.119	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.86	75	17597	27.820	ug/l	95
82) 4-Chlorotoluene	11.89	91	180583	22.210	ug/l	98
83) tert-Butylbenzene	12.12	119	242686	23.190	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	217642	21.714	ug/l	99
85) sec-Butylbenzene	12.29	105	316084	22.355	ug/l	100
86) p-Isopropyltoluene	12.44	119	268245	22.736	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	130881	23.213	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	119336	21.990	ug/l	97
89) n-Butylbenzene	12.83	91	262903	23.714	ug/l	95
90) Hexachloroethane	12.90	117	61866	22.977	ug/l	97
91) 1,2-Dichlorobenzene	12.92	146	116923	22.390	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.62	75	6853	20.885	ug/l	56

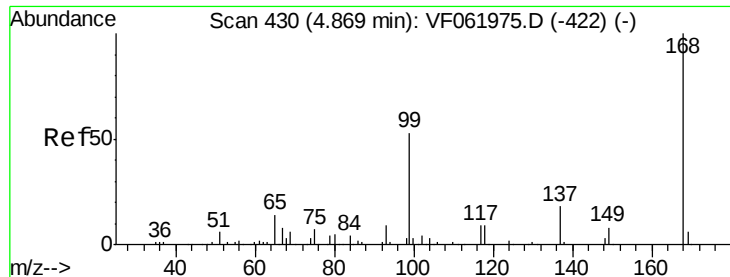
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	82369	22.651	ug/l	98
94) Hexachlorobutadiene	14.18	225	54090	22.405	ug/l	98
95) Naphthalene	14.44	128	139368	21.309	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	77162	23.064	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

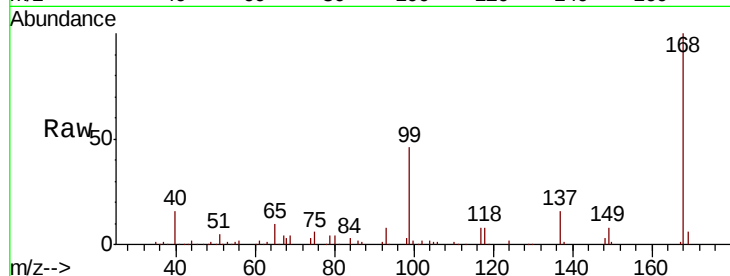
VF0320SBS01

Tgt Ion:168 Resp: 251153

Ion Ratio Lower Upper

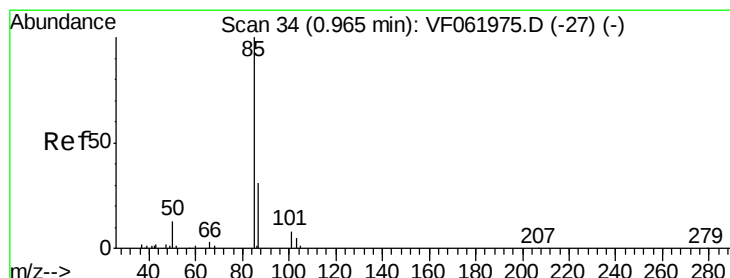
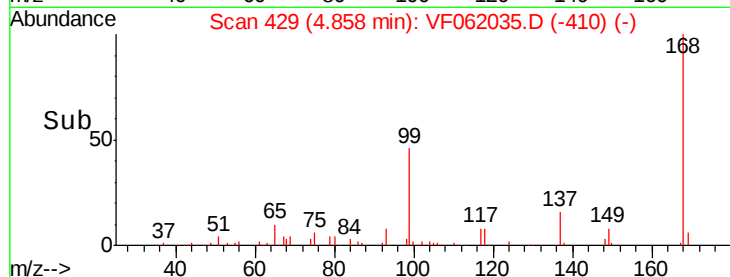
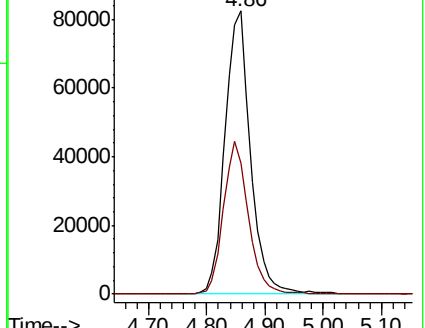
168 100

99 46.5 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 22.559 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF062035.D

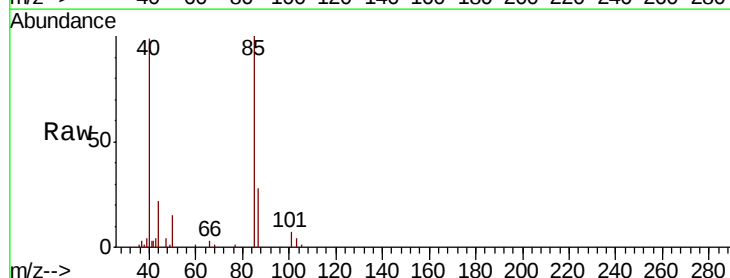
Acq: 20 Mar 2019 12:49

Tgt Ion: 85 Resp: 60400

Ion Ratio Lower Upper

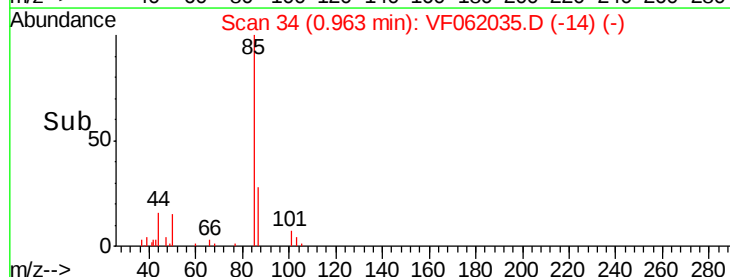
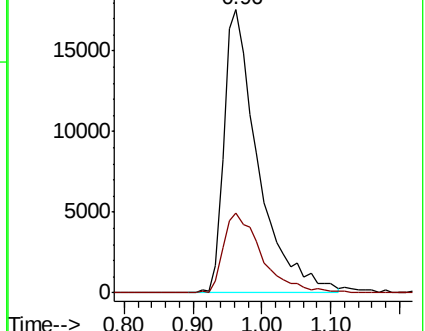
85 100

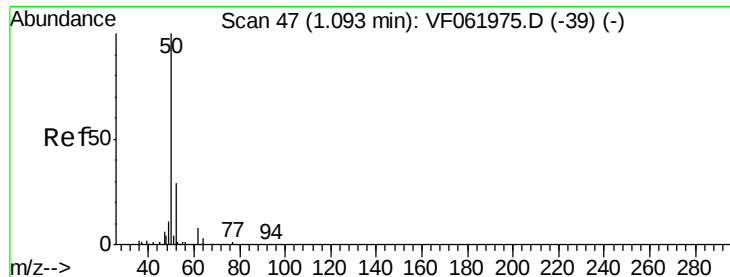
87 28.3 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 22.229 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

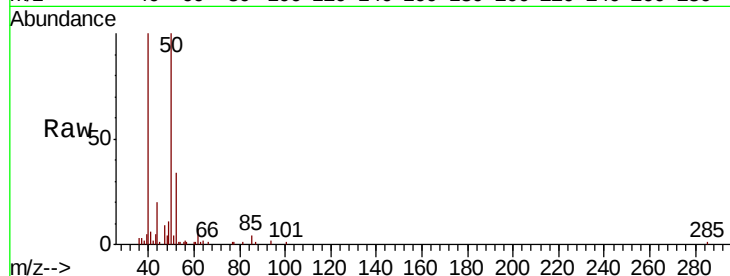
VF0320SBS01

Tgt Ion: 50 Resp: 60480

Ion Ratio Lower Upper

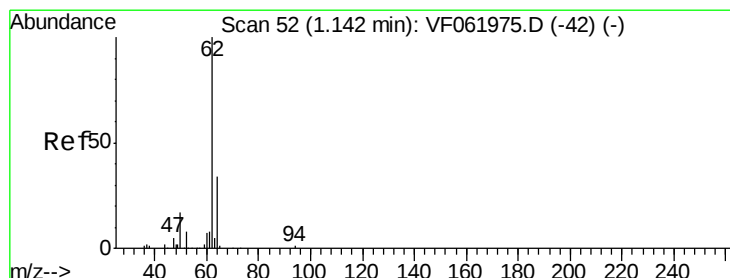
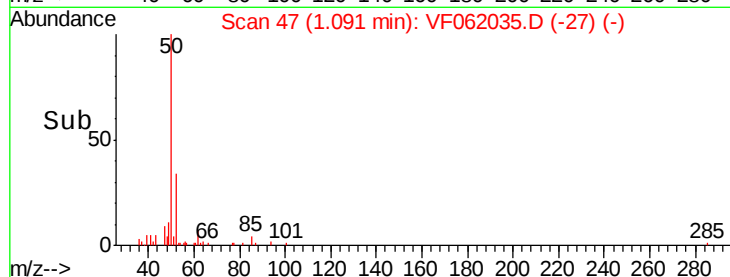
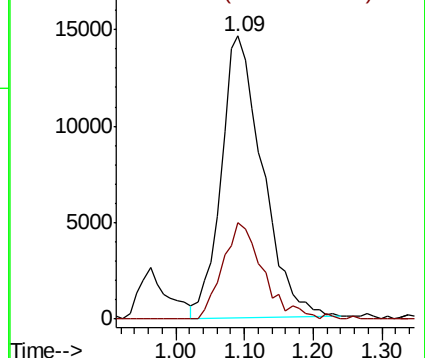
50 100

52 34.2 22.6 34.0#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 22.552 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF062035.D

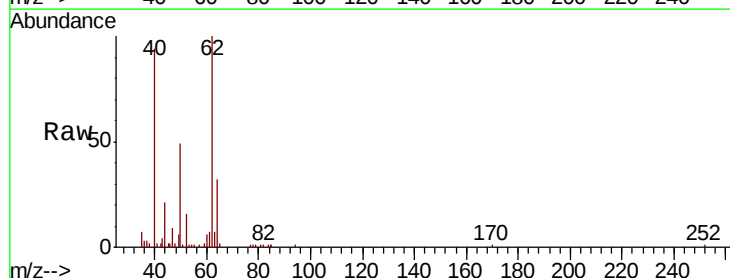
Acq: 20 Mar 2019 12:49

Tgt Ion: 62 Resp: 59344

Ion Ratio Lower Upper

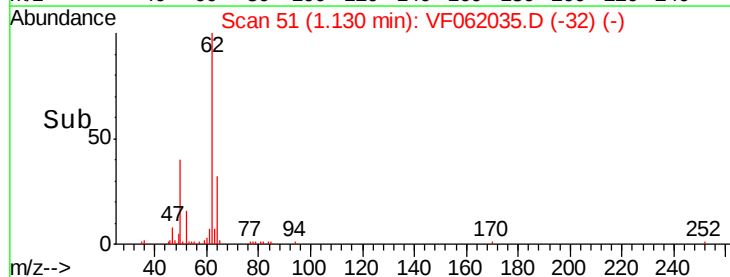
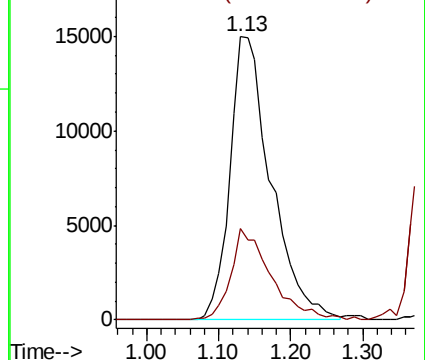
62 100

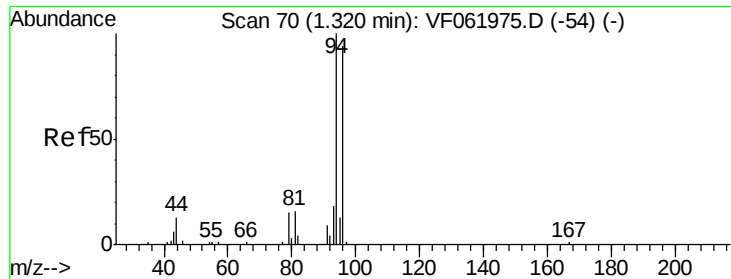
64 32.1 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 21.501 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

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ClientSampleId :

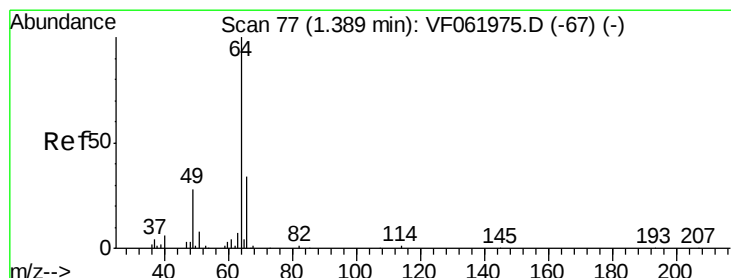
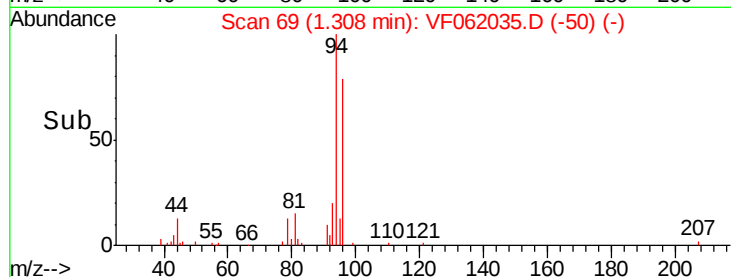
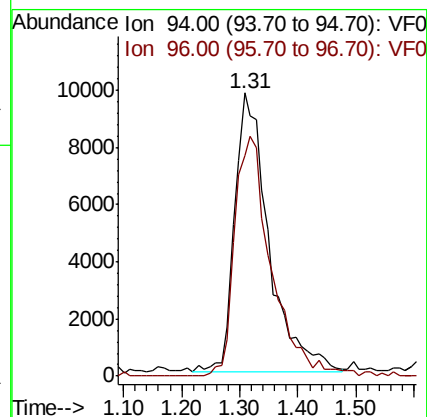
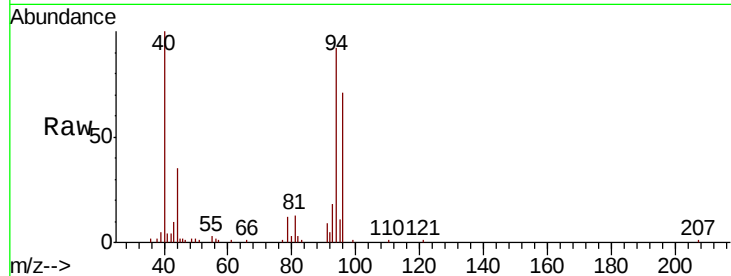
VF0320SBS01

Tgt Ion: 94 Resp: 39747

Ion Ratio Lower Upper

94 100

96 77.8 75.0 112.6



#6

Chloroethane

Concen: 23.203 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF062035.D

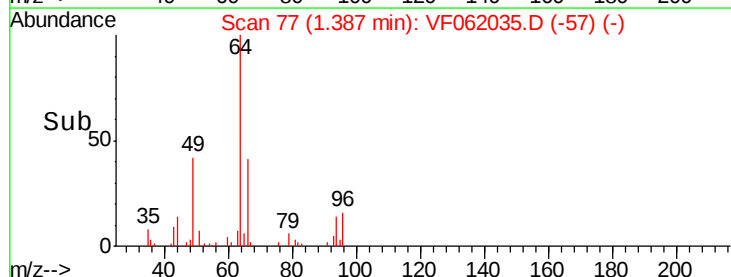
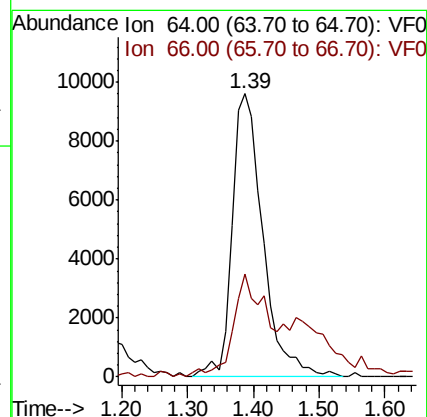
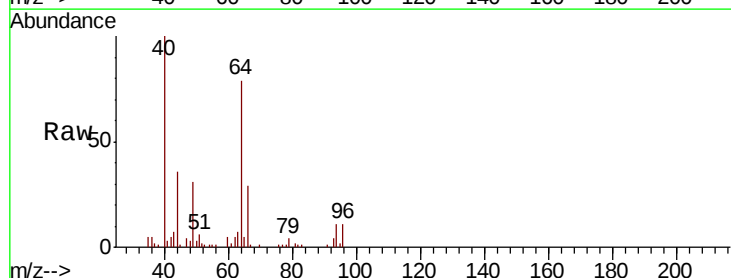
Acq: 20 Mar 2019 12:49

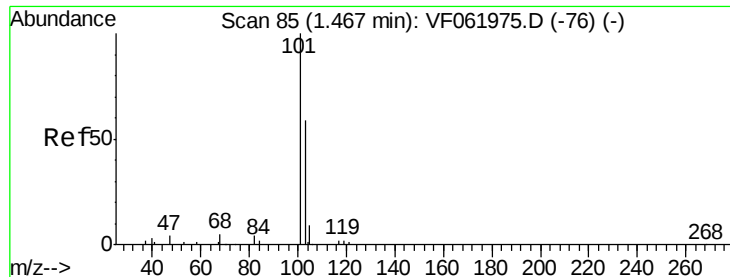
Tgt Ion: 64 Resp: 31520

Ion Ratio Lower Upper

64 100

66 36.2 27.6 41.4





#7

Trichlorofluoromethane

Concen: 22.721 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.00 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

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ClientSampleId :

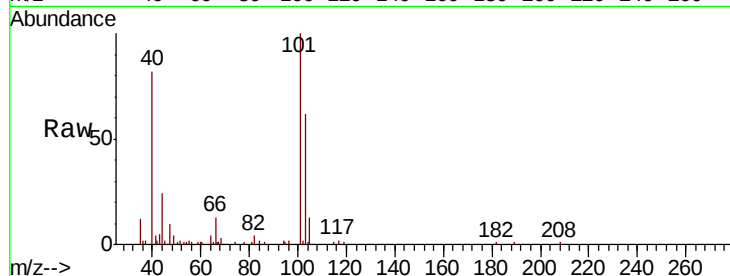
VF0320SBS01

Tgt Ion:101 Resp: 79209

Ion Ratio Lower Upper

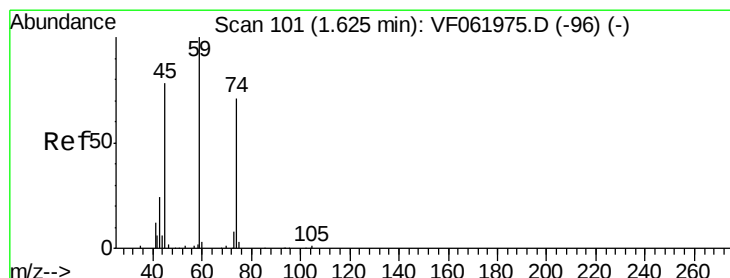
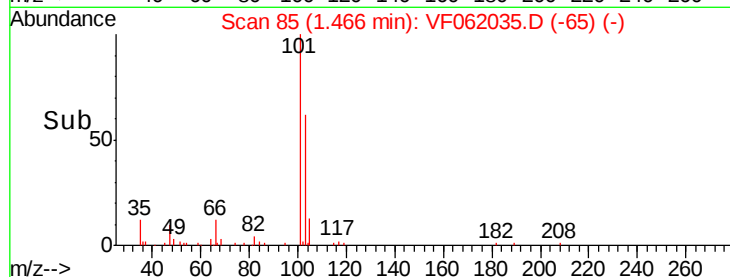
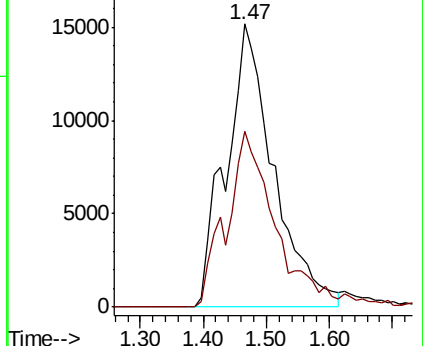
101 100

103 62.1 47.3 70.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.997 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF062035.D

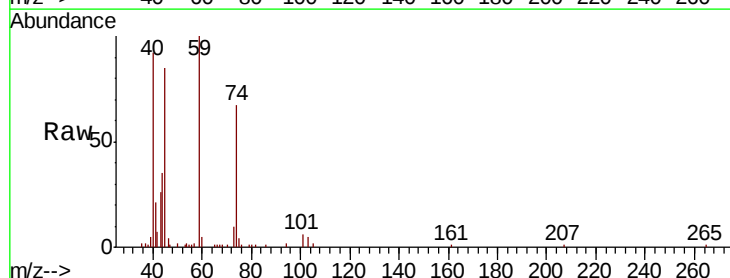
Acq: 20 Mar 2019 12:49

Tgt Ion: 74 Resp: 17048

Ion Ratio Lower Upper

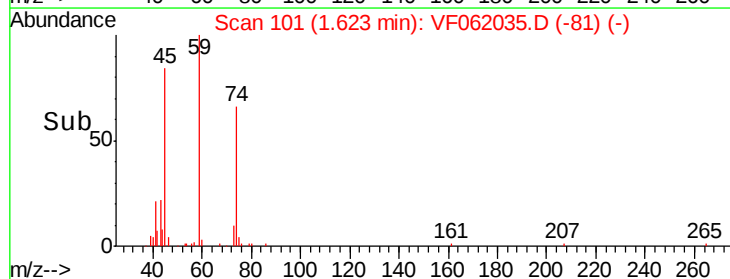
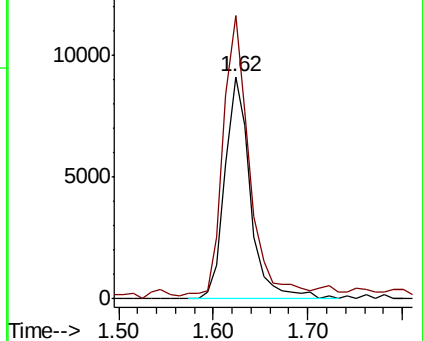
74 100

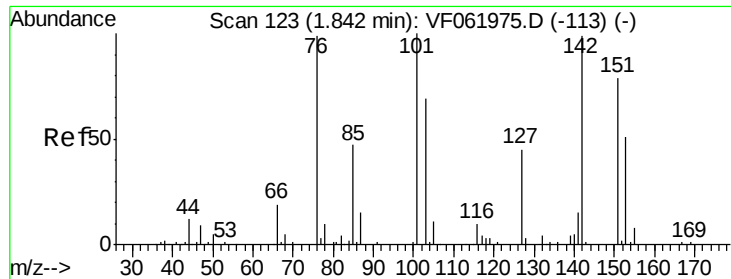
45 127.2 56.3 168.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

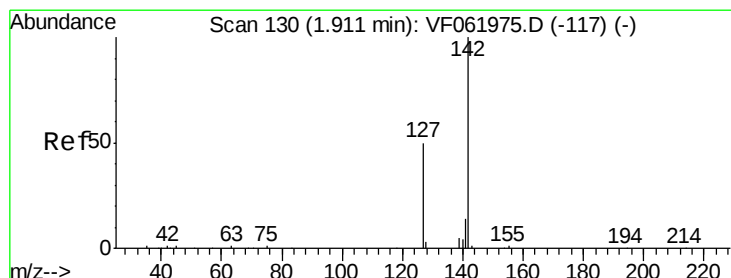
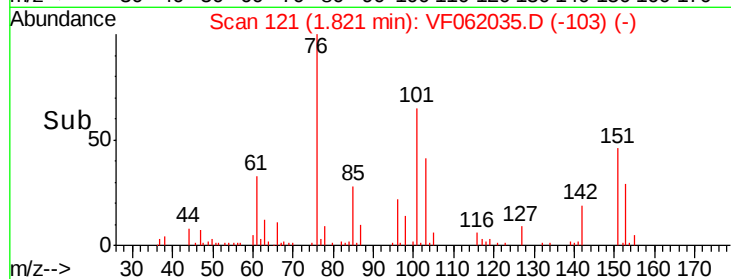
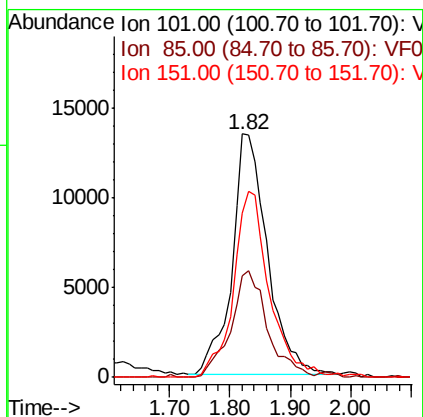
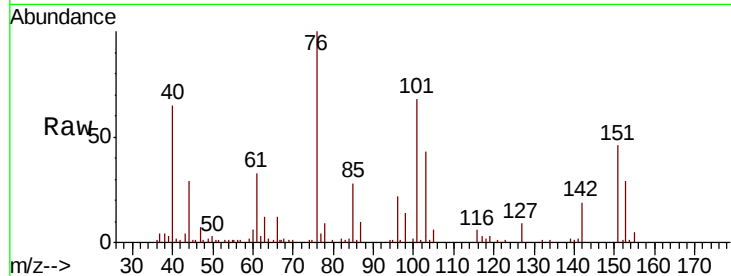




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.175 ug/l
 RT: 1.82 min Scan# 121
 Delta R.T. -0.02 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

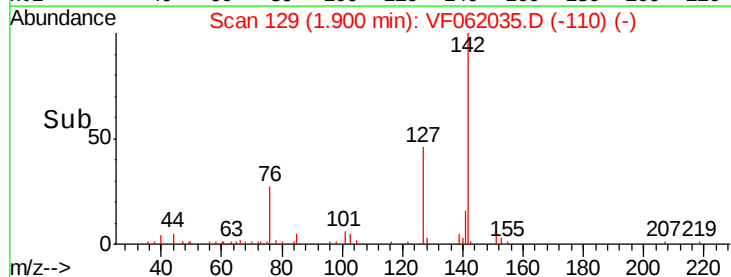
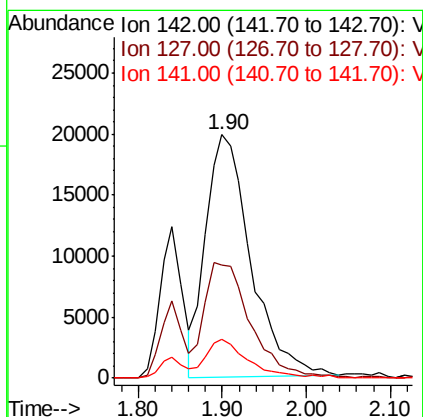
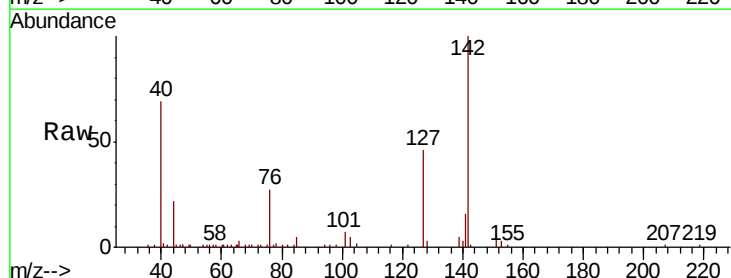
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

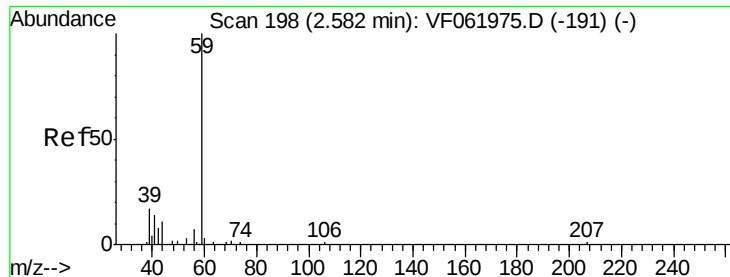
Tgt Ion:101 Resp: 54468
 Ion Ratio Lower Upper
 101 100
 85 41.9 36.8 55.2
 151 67.4 62.2 93.2



#10
 Methyl Iodide
 Concen: 17.117 ug/l
 RT: 1.90 min Scan# 129
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Tgt Ion:142 Resp: 73584
 Ion Ratio Lower Upper
 142 100
 127 46.2 39.7 59.5
 141 15.9 10.8 16.2



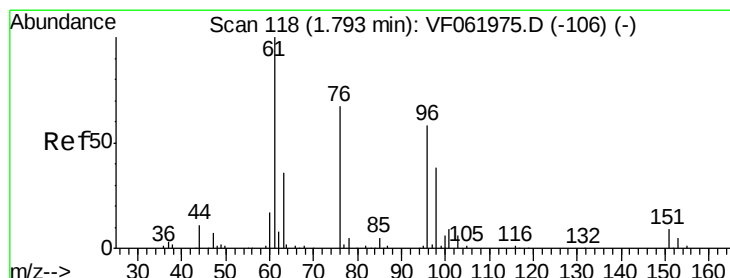
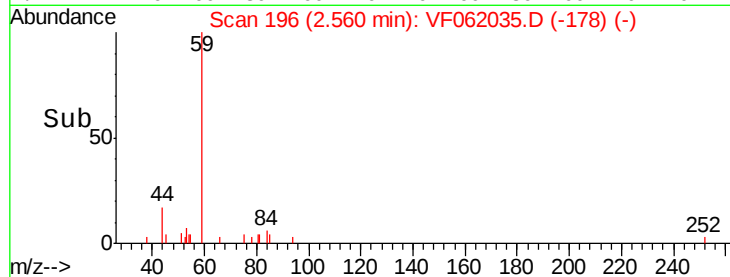
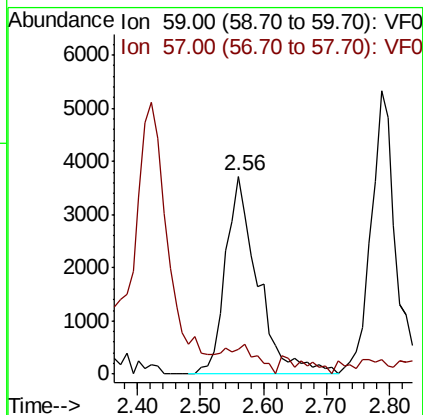
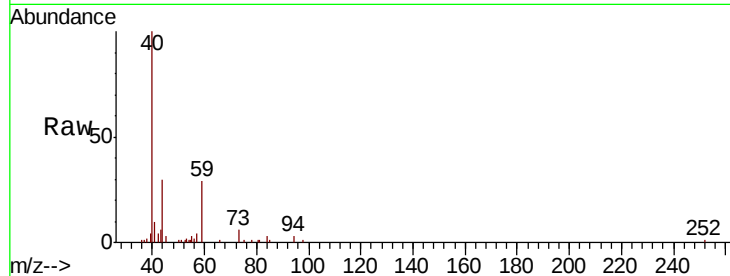


#11

Tert butyl alcohol
Concen: 119.908 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

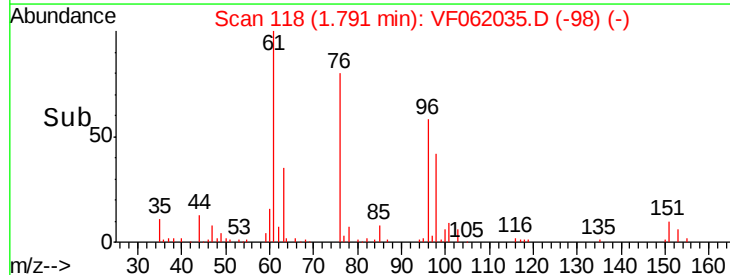
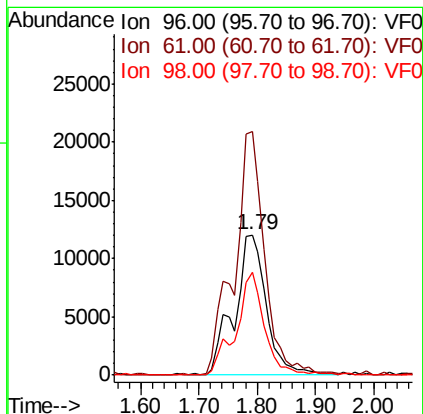
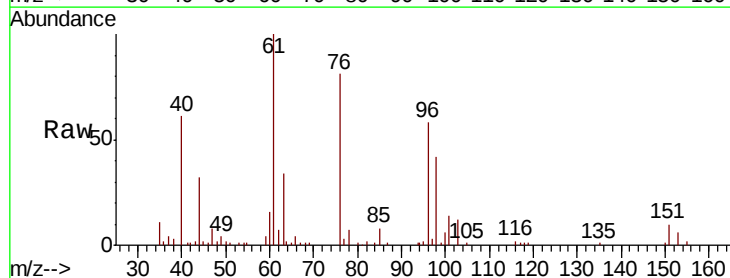
Tgt Ion: 59 Resp: 13265
Ion Ratio Lower Upper
59 100
57 12.4 8.7 13.1

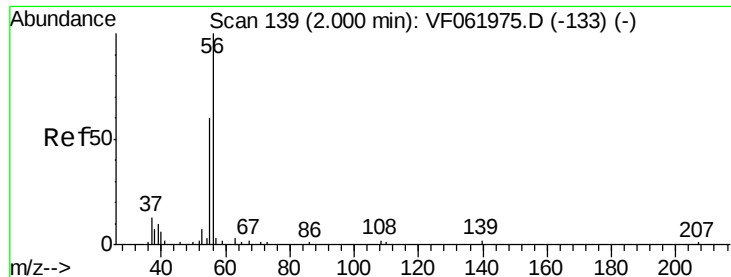


#12

1,1-Dichloroethene
Concen: 21.913 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion: 96 Resp: 46450
Ion Ratio Lower Upper
96 100
61 173.5 138.6 208.0
98 73.2 53.2 79.8





#13

Acrolein

Concen: 76.701 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

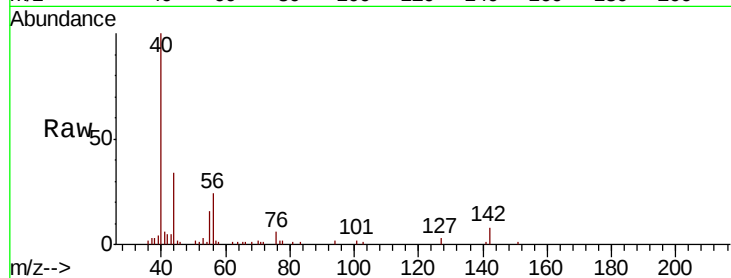
VF0320SBS01

Tgt Ion: 56 Resp: 9160

Ion Ratio Lower Upper

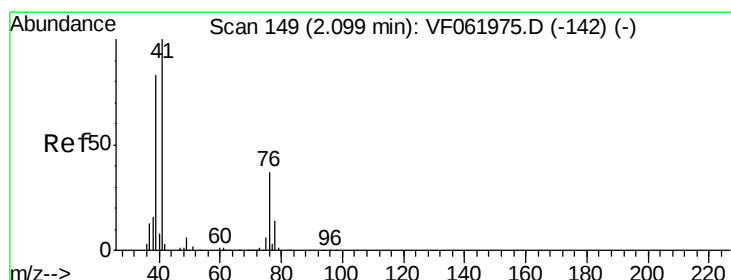
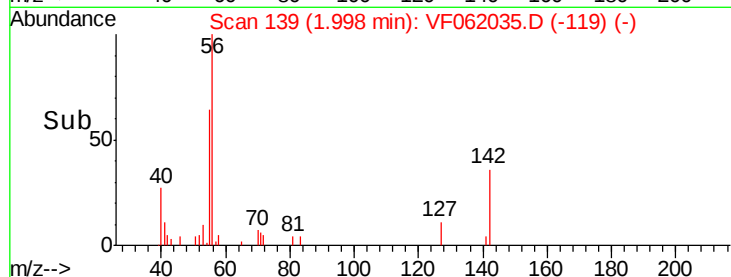
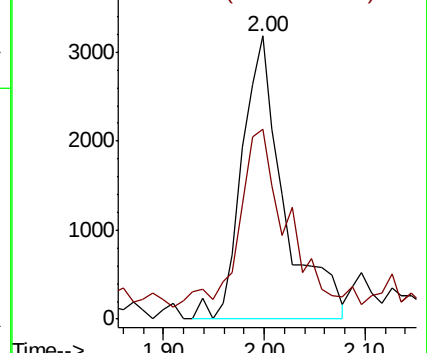
56 100

55 67.1 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: 22.611 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

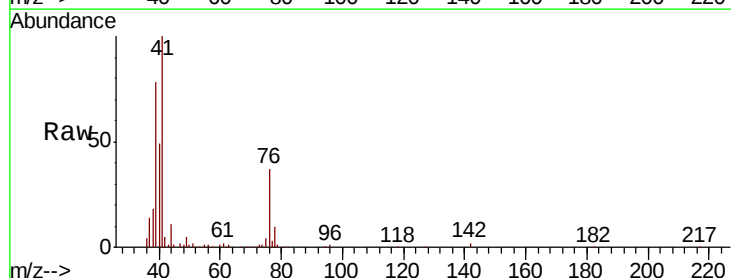
Tgt Ion: 41 Resp: 61182

Ion Ratio Lower Upper

41 100

39 78.4 66.8 100.2

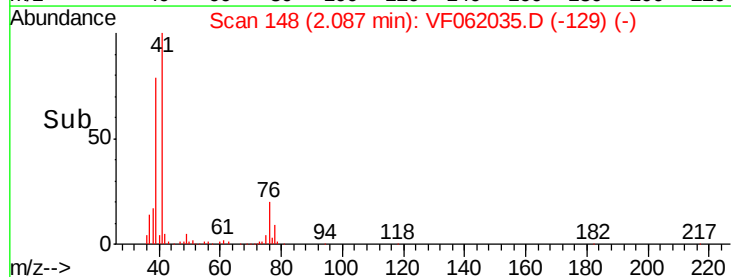
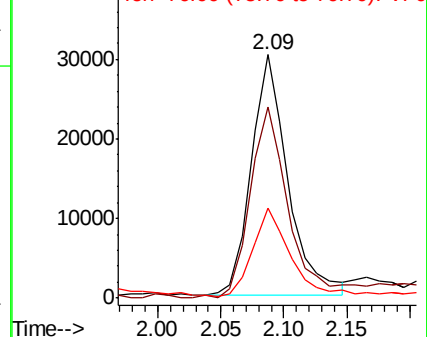
76 36.8 31.1 46.7

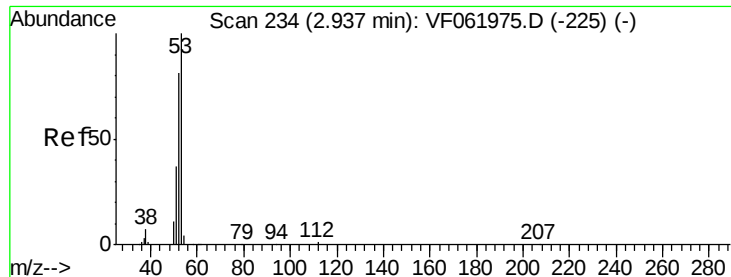


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 103.796 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

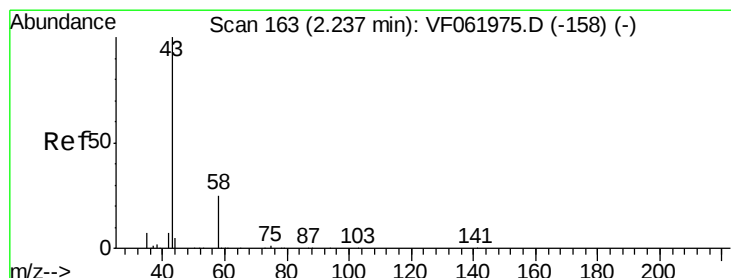
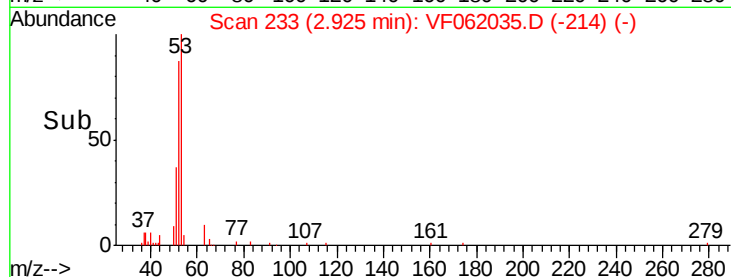
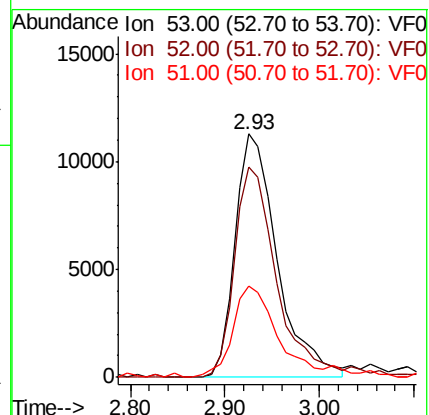
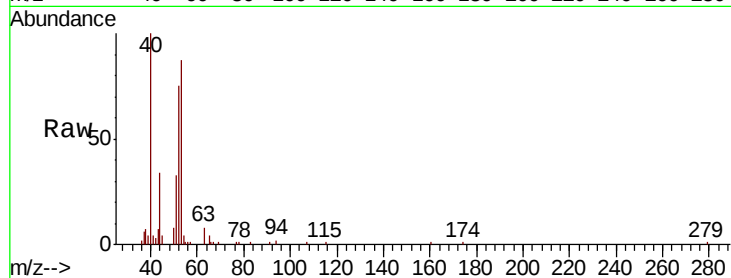
Tgt Ion: 53 Resp: 34918

Ion Ratio Lower Upper

53 100

52 86.5 64.4 96.6

51 37.7 30.3 45.5



#16

Acetone

Concen: 121.186 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF062035.D

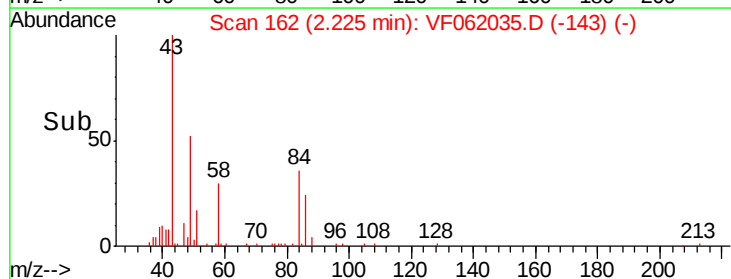
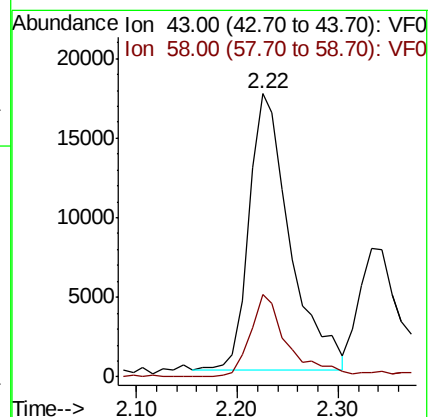
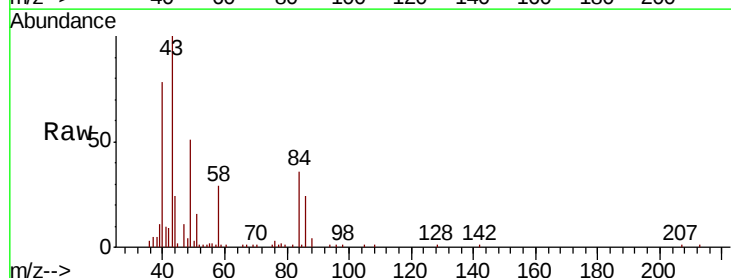
Acq: 20 Mar 2019 12:49

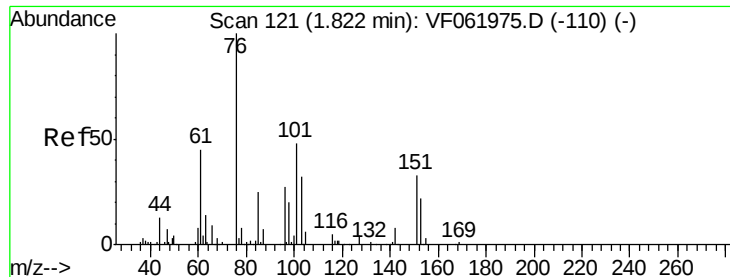
Tgt Ion: 43 Resp: 49198

Ion Ratio Lower Upper

43 100

58 29.1 19.9 29.9

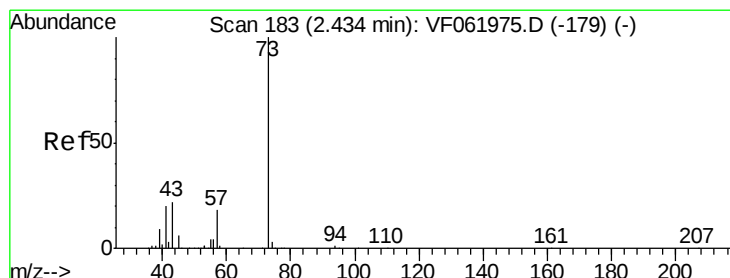
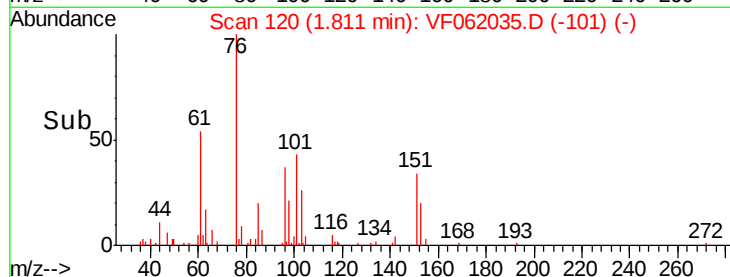
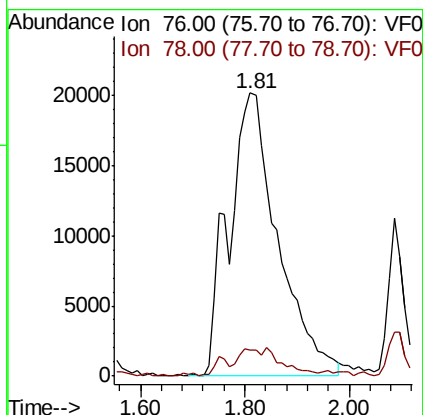
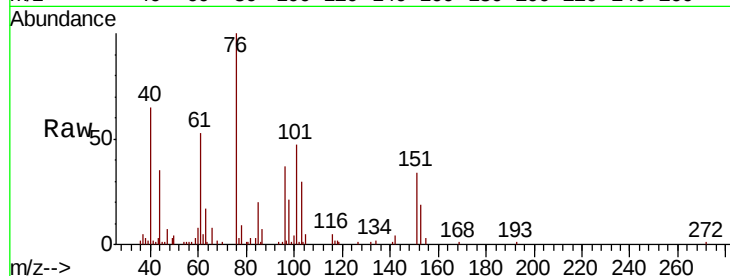




#17
Carbon Disulfide
Concen: 21.184 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

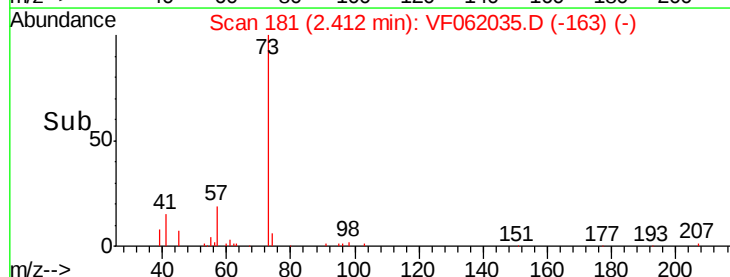
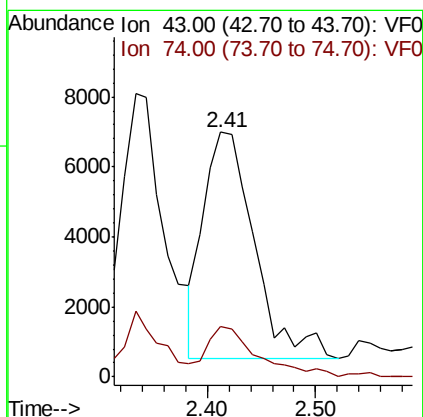
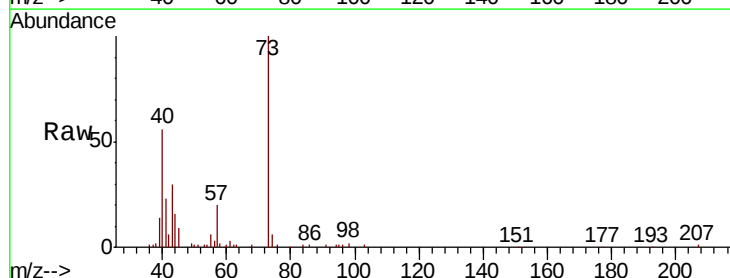
Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

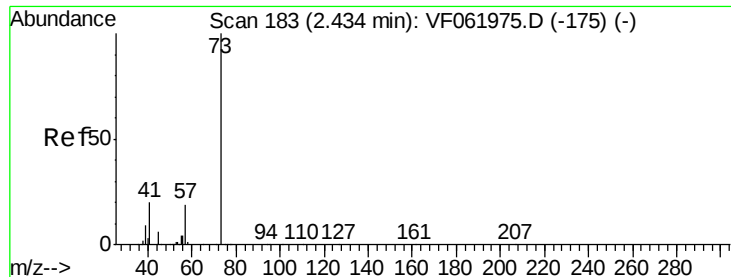
Tgt Ion: 76 Resp: 129867
Ion Ratio Lower Upper
76 100
78 9.4 6.8 10.2



#18
Methyl Acetate
Concen: 25.600 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion: 43 Resp: 21262
Ion Ratio Lower Upper
43 100
74 20.5 12.6 18.8#





#19

Methyl tert-butyl Ether

Concen: 20.696 ug/l

RT: 2.42 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

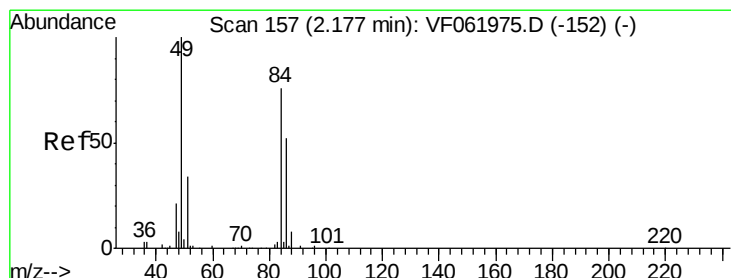
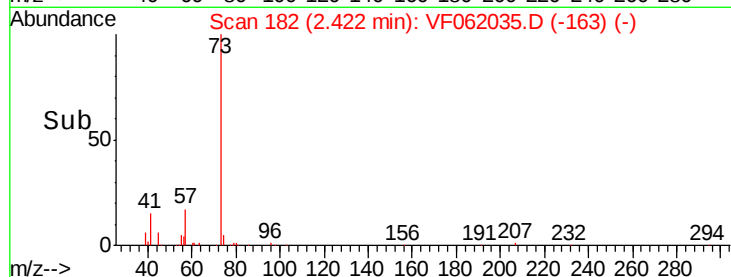
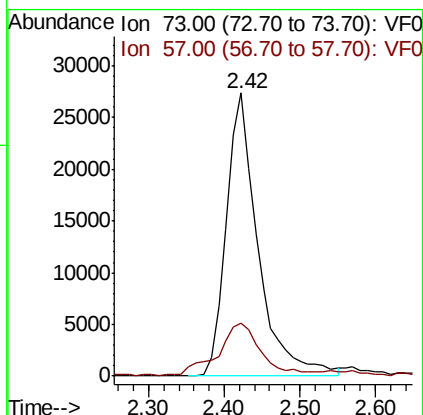
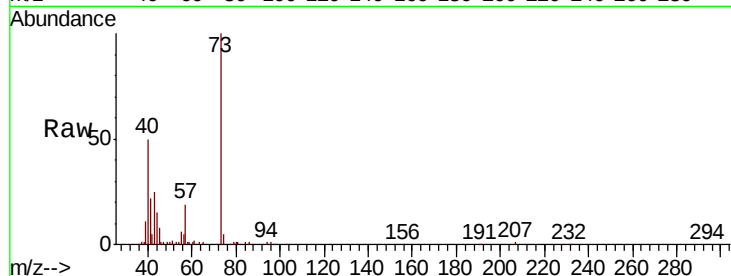
VF0320SBS01

Tgt Ion: 73 Resp: 79492

Ion Ratio Lower Upper

73 100

57 18.7 15.3 22.9



#20

Methylene Chloride

Concen: 10.805 ug/l

RT: 2.17 min Scan# 156

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Tgt Ion: 84 Resp: 22583

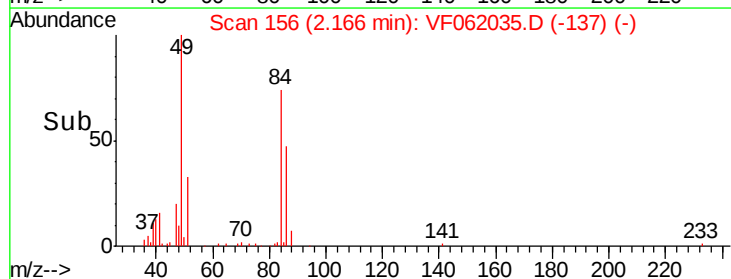
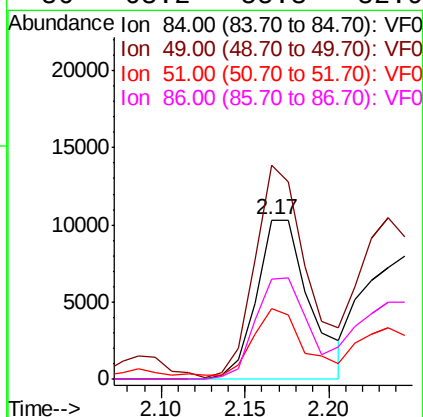
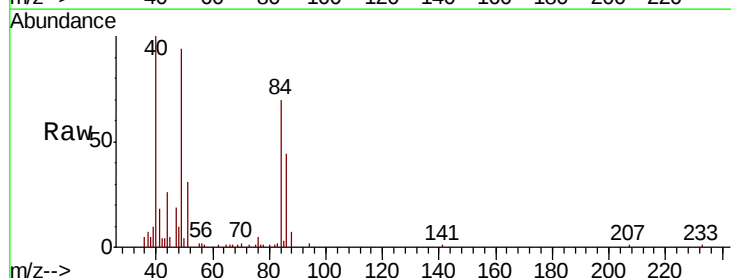
Ion Ratio Lower Upper

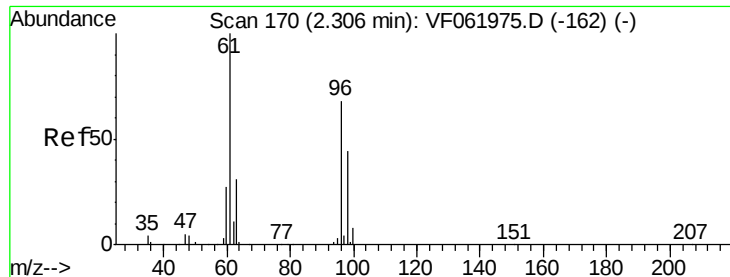
84 100

49 134.5 107.0 160.6

51 44.5 37.2 55.8

86 63.2 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 22.787 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

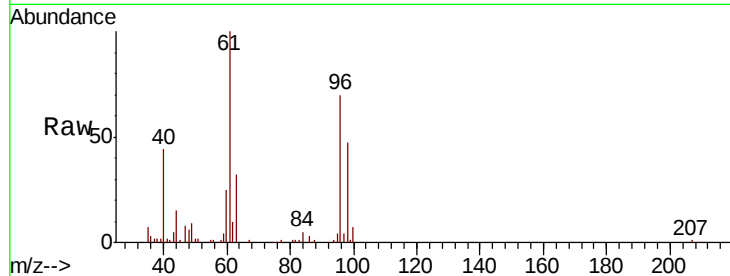
Tgt Ion: 96 Resp: 50406

Ion Ratio Lower Upper

96 100

61 141.9 117.4 176.2

98 66.6 51.2 76.8

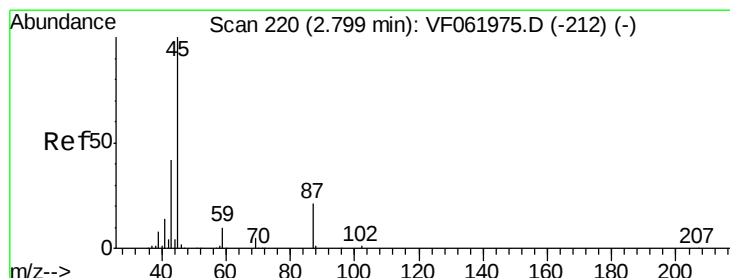
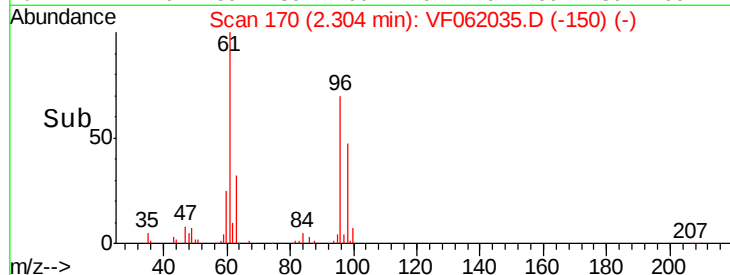
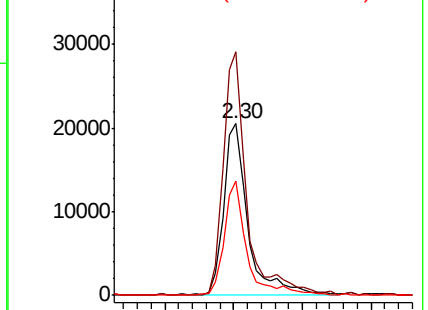


Abundance

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: 21.974 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Tgt Ion: 45 Resp: 143019

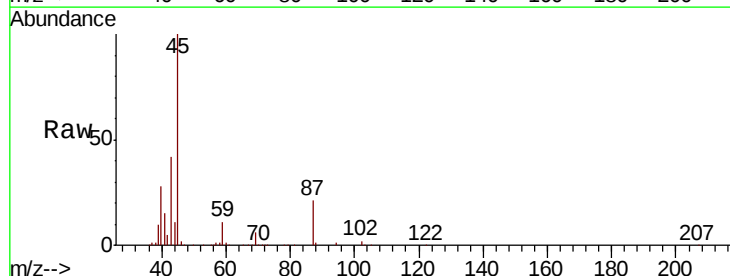
Ion Ratio Lower Upper

45 100

43 41.9 33.7 50.5

87 21.0 17.1 25.7

59 10.5 8.0 12.0



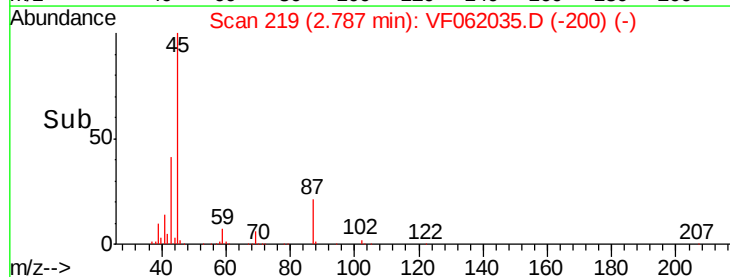
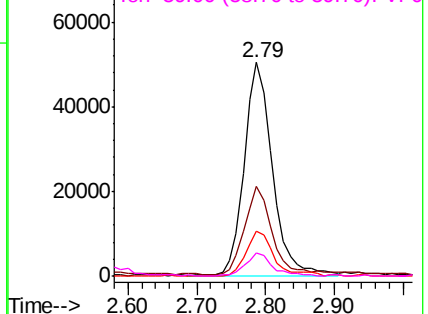
Abundance

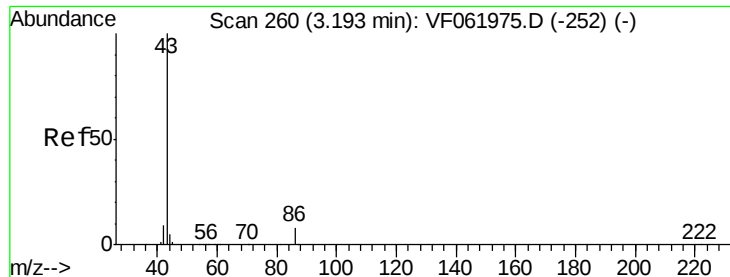
Ion 45.00 (44.70 to 45.70): VF0

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: 113.334 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

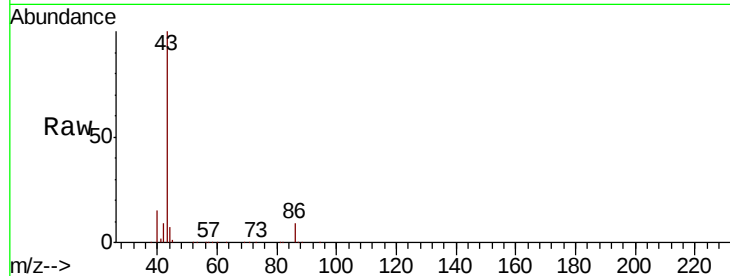
VF0320SBSD01

Tgt Ion: 43 Resp: 290780

Ion Ratio Lower Upper

43 100

86 9.0 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

120000

100000

80000

60000

40000

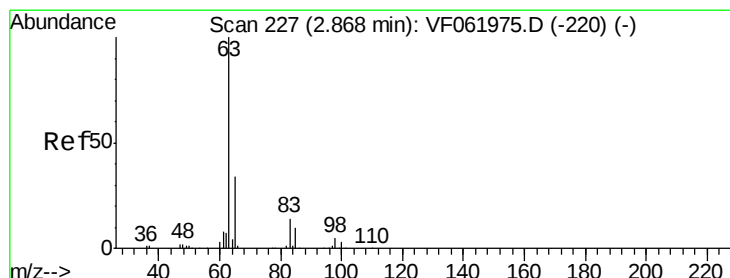
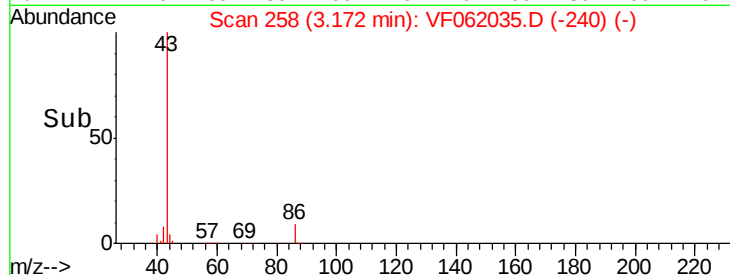
20000

0

3.17

3.00 3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 22.036 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

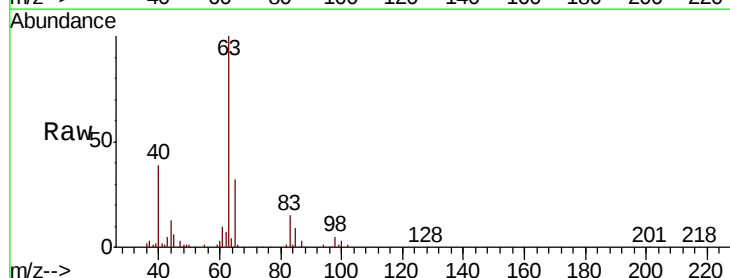
Tgt Ion: 63 Resp: 83393

Ion Ratio Lower Upper

63 100

98 4.5 2.7 8.1

100 3.4 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

40000

30000

20000

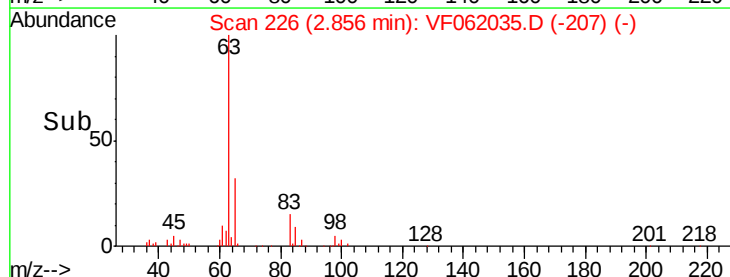
10000

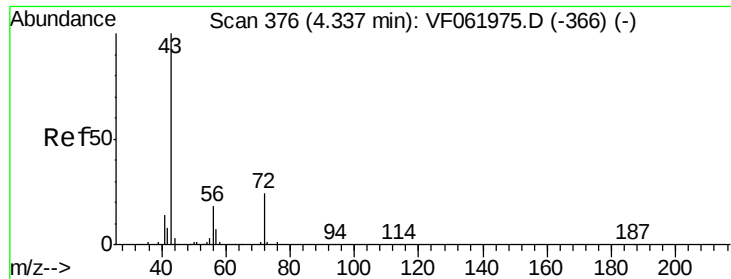
0

2.86

2.70 2.80 2.90 3.00 3.10

Time-->





#25

2-Butanone

Concen: 107.044 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

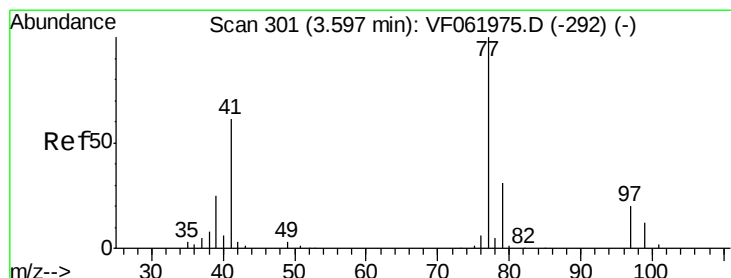
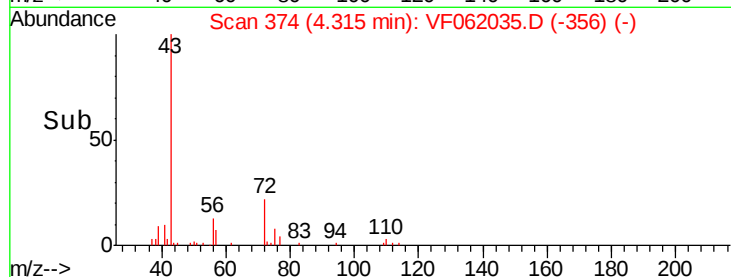
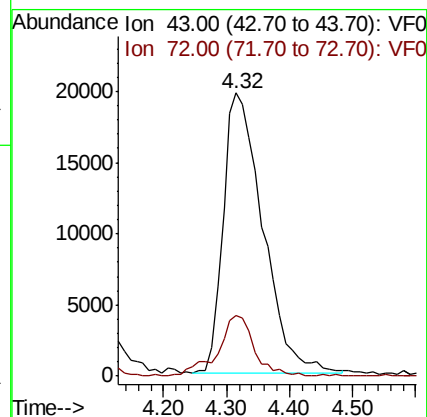
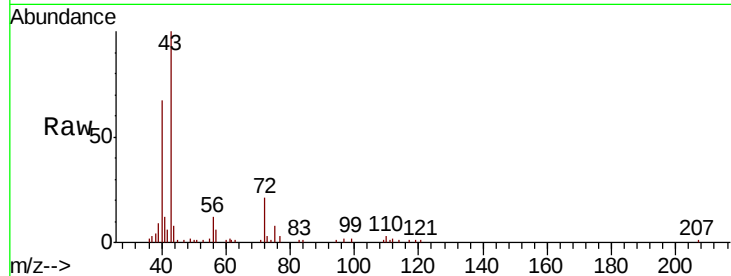
VF0320SBS01

Tgt Ion: 43 Resp: 86065

Ion Ratio Lower Upper

43 100

72 21.3 19.8 29.6



#26

2,2-Dichloropropane

Concen: 21.389 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.02 min

Lab File: VF062035.D

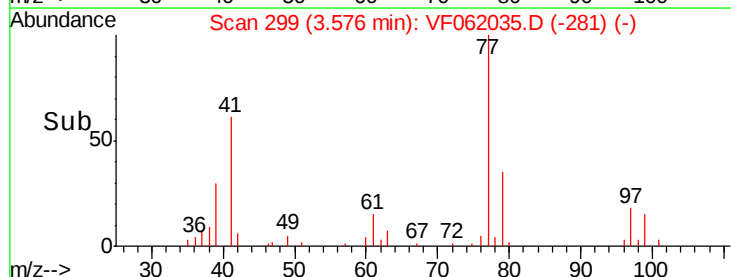
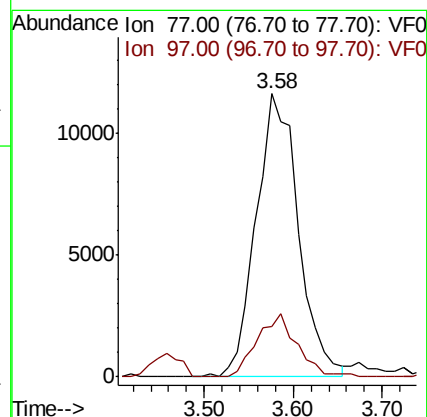
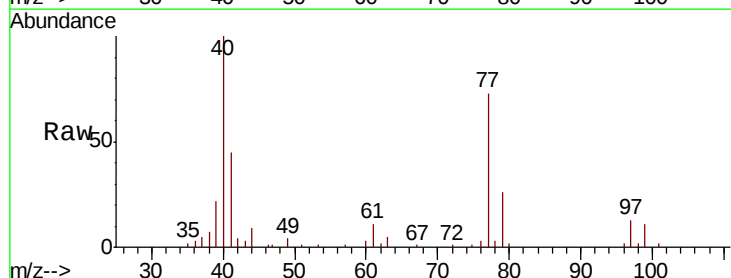
Acq: 20 Mar 2019 12:49

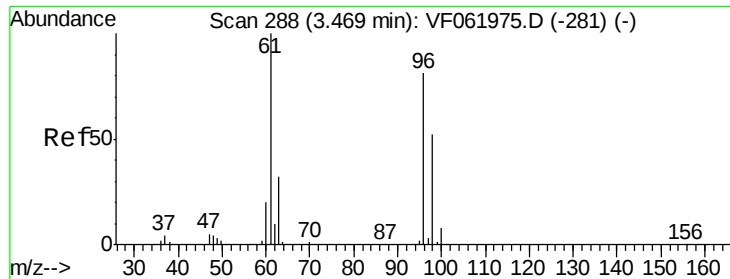
Tgt Ion: 77 Resp: 38180

Ion Ratio Lower Upper

77 100

97 17.7 10.8 32.4



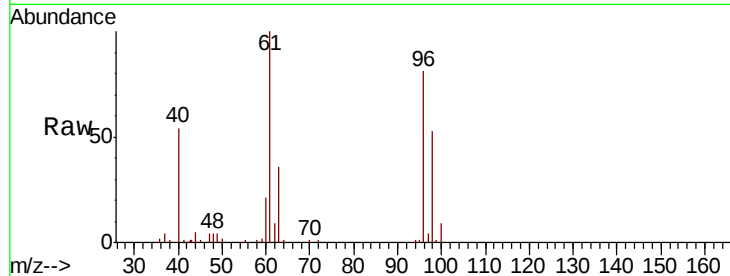


#27

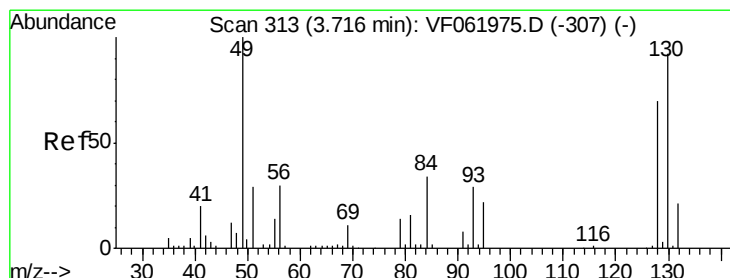
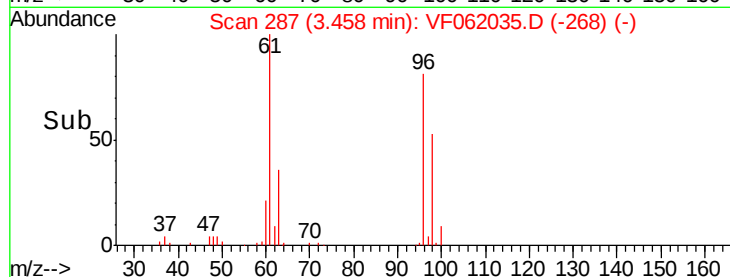
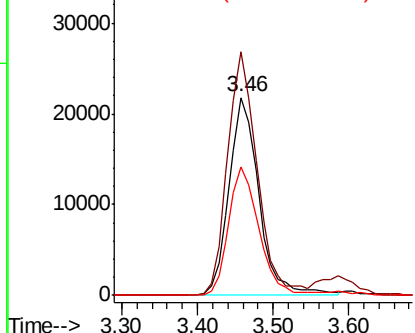
cis-1,2-Dichloroethene
 Concen: 21.376 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

Tgt Ion: 96 Resp: 59598
 Ion Ratio Lower Upper
 96 100
 61 123.2 0.0 246.6
 98 65.0 0.0 129.2



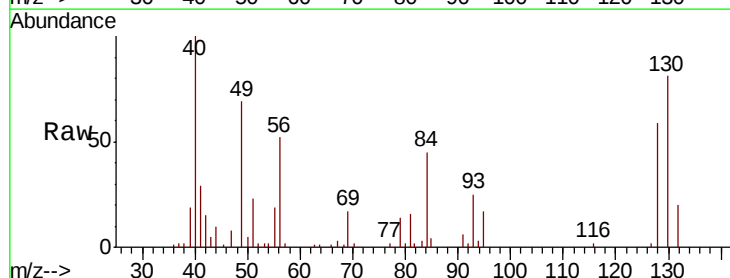
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



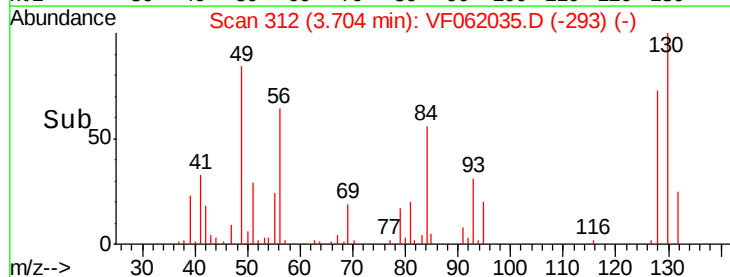
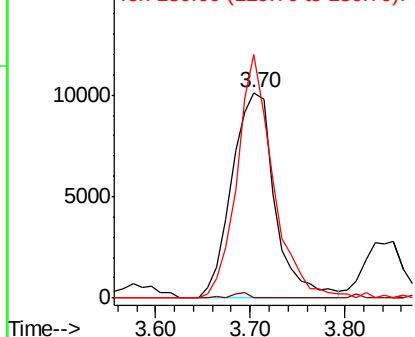
#28

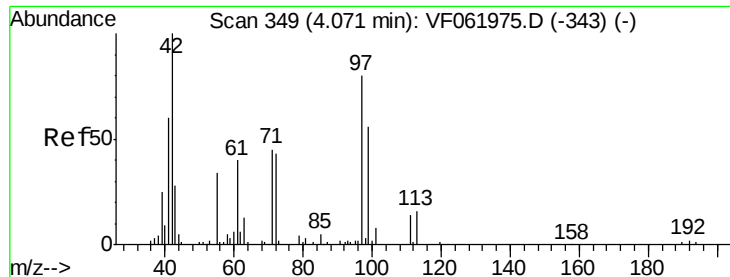
Bromochloromethane
 Concen: 20.276 ug/l
 RT: 3.70 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Tgt Ion: 49 Resp: 31839
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.8
 130 118.4 73.1 109.7#



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

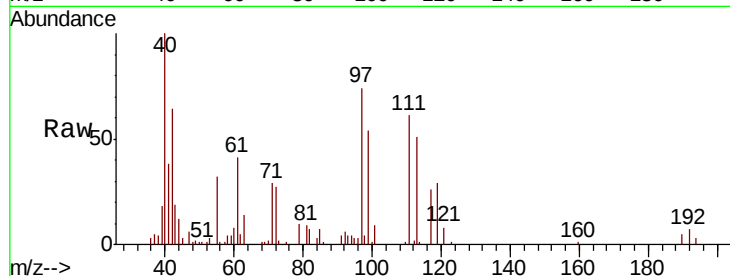




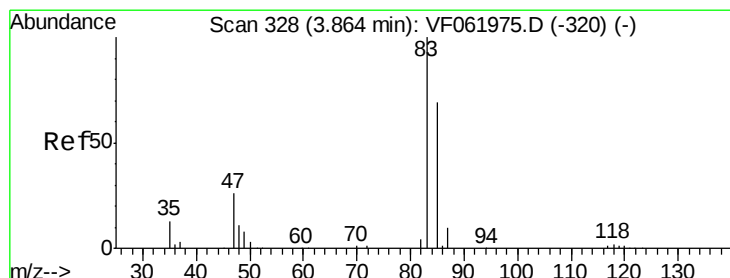
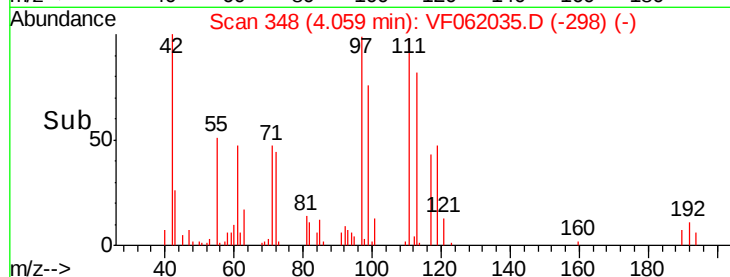
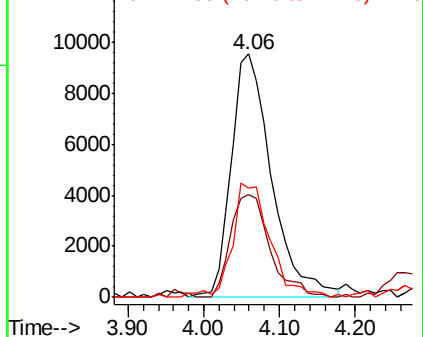
#29
Tetrahydrofuran
Concen: 101.370 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tgt Ion: 42 Resp: 35445
Ion Ratio Lower Upper
42 100
72 41.3 34.0 51.0
71 43.8 34.2 51.4

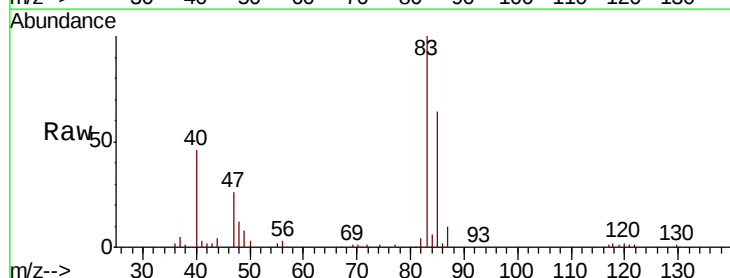


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

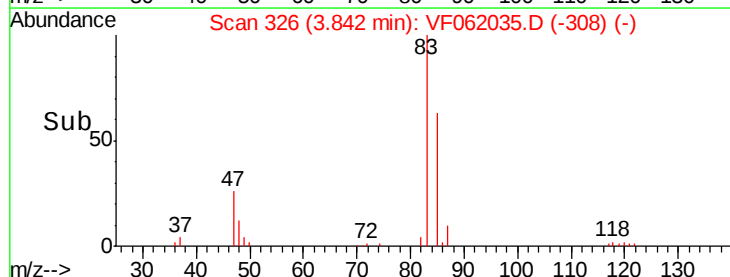
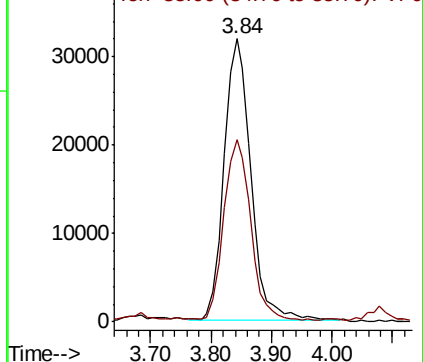


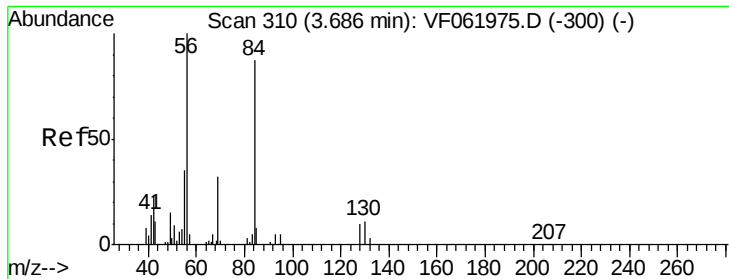
#30
Chloroform
Concen: 22.919 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion: 83 Resp: 98274
Ion Ratio Lower Upper
83 100
85 64.2 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: 14.566 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

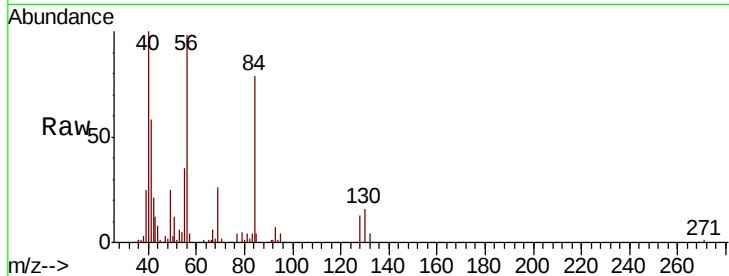
Tgt Ion: 56 Resp: 54007

Ion Ratio Lower Upper

56 100

69 26.4 25.8 38.8

84 81.2 69.5 104.3

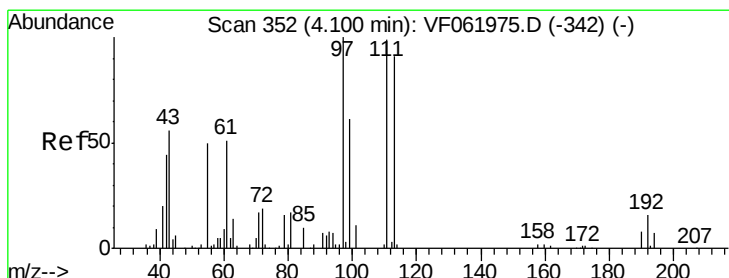
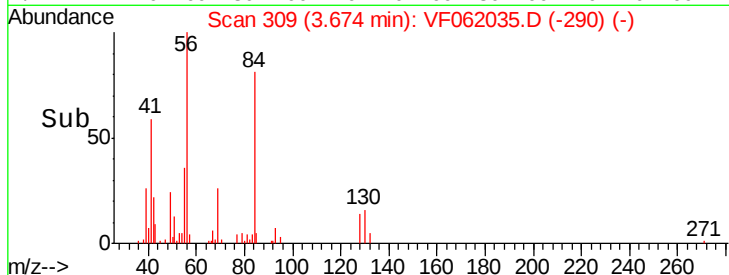
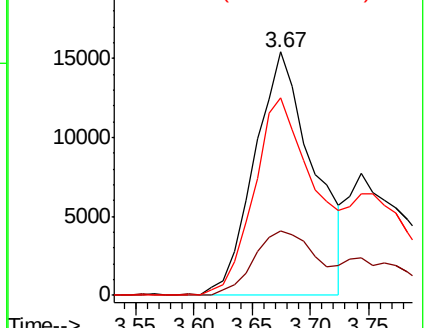


Abundance

Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 22.932 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

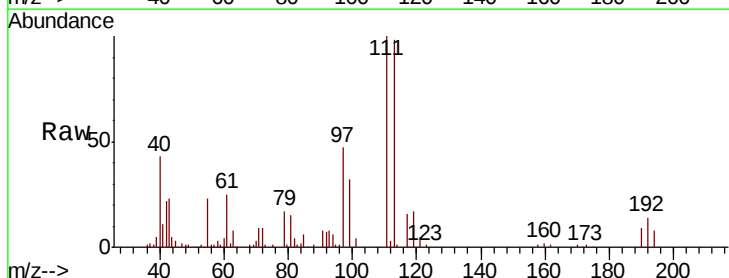
Tgt Ion: 97 Resp: 65300

Ion Ratio Lower Upper

97 100

99 68.8 49.0 73.4

61 54.1 41.4 62.0

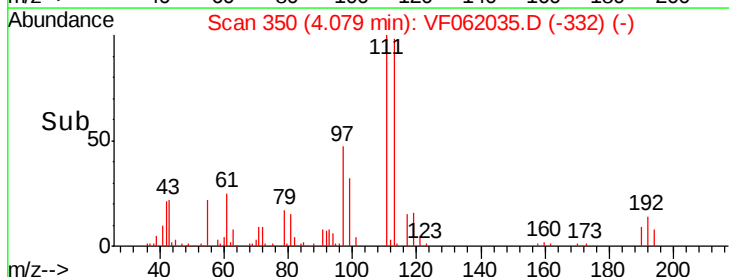
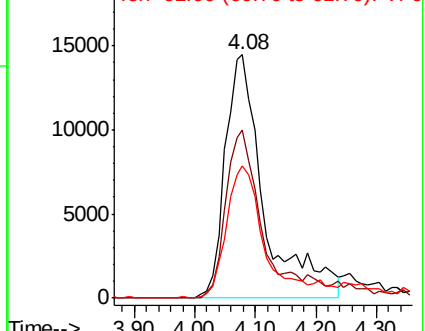


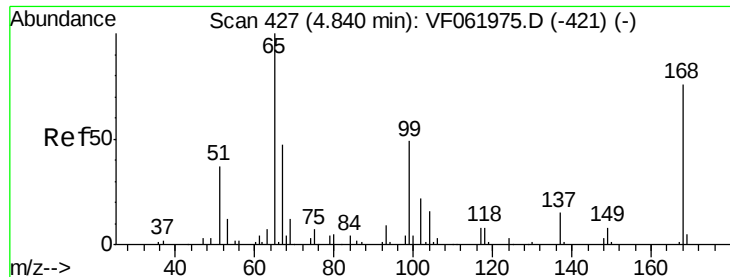
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

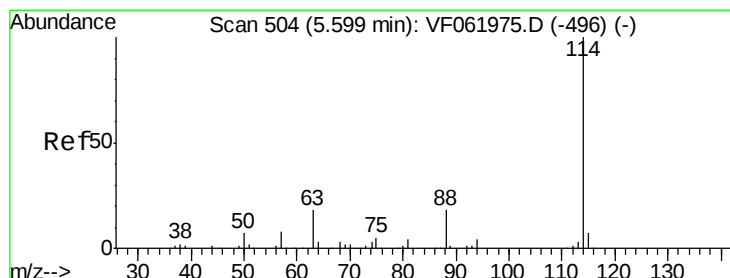
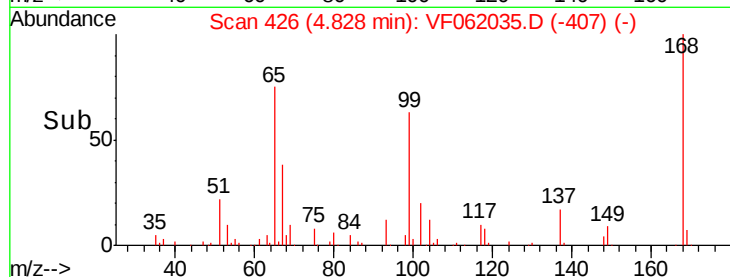
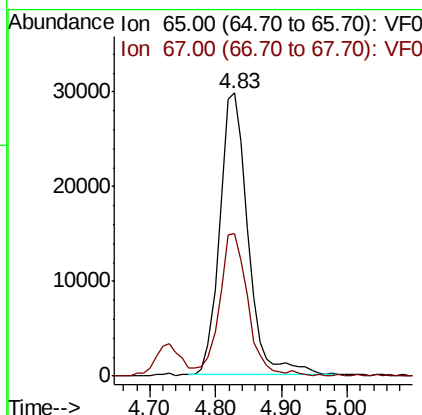
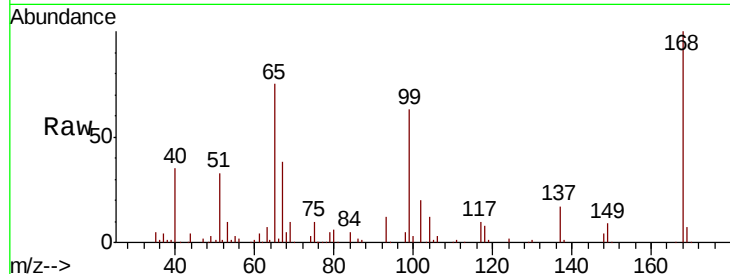




#33
 1,2-Dichloroethane-d4
 Concen: 49.519 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

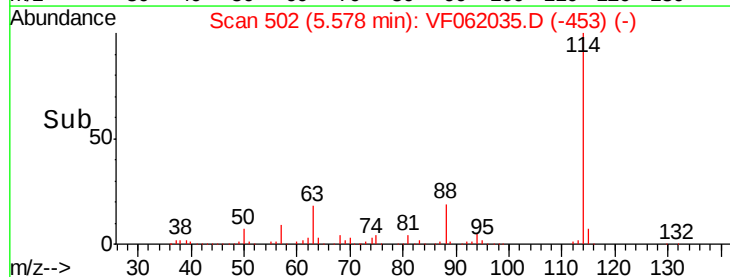
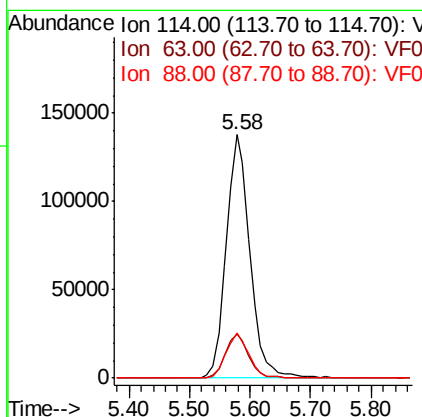
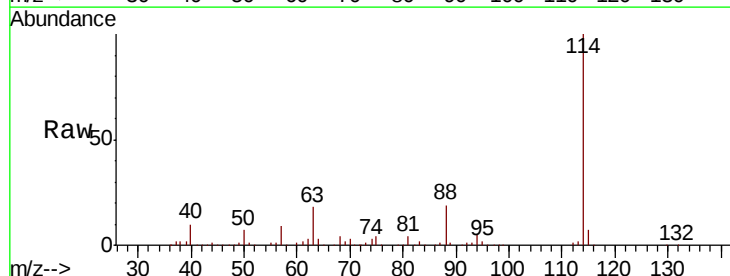
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

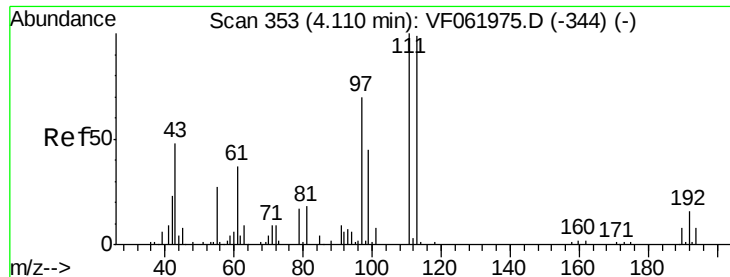
Tgt Ion: 65 Resp: 89526
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Tgt Ion: 114 Resp: 375096
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.4
 88 18.7 0.0 36.4

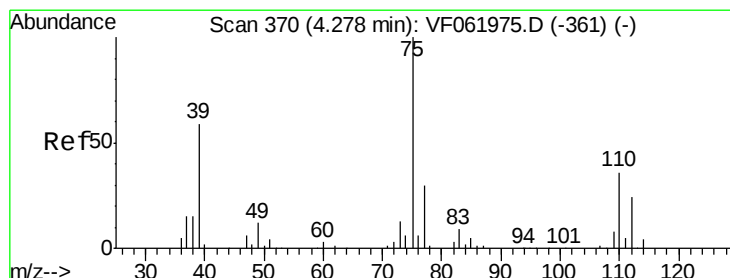
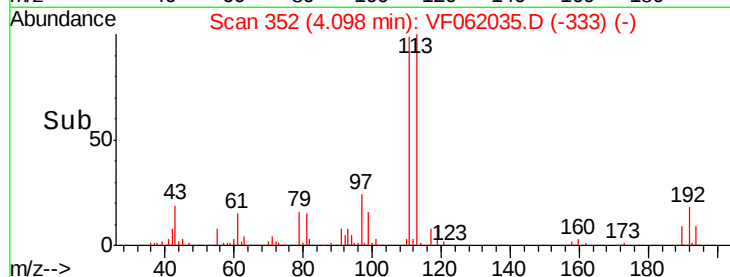
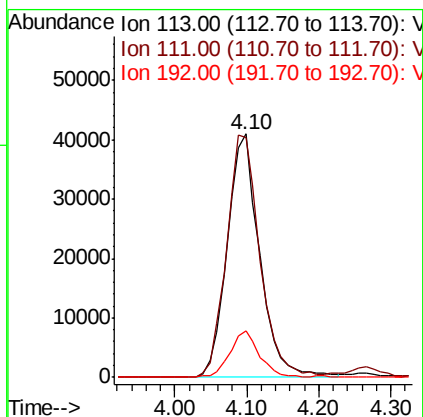
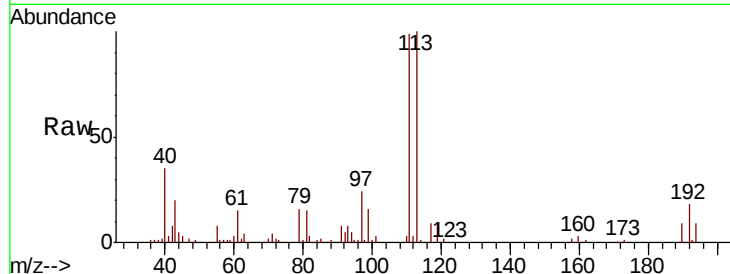




#35
 Dibromofluoromethane
 Concen: 50.953 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

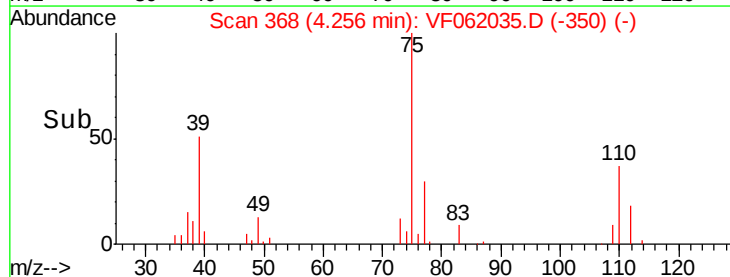
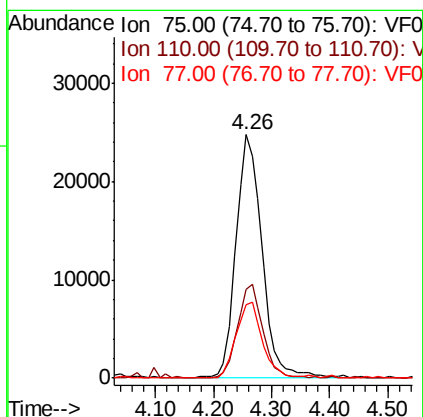
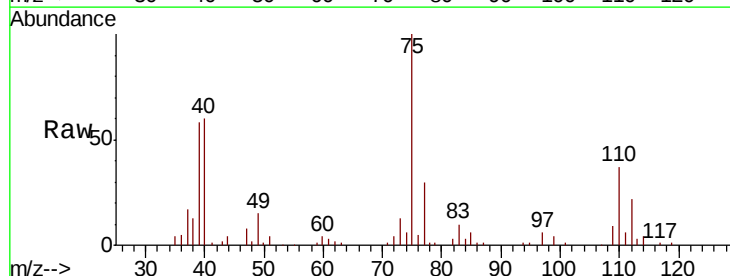
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

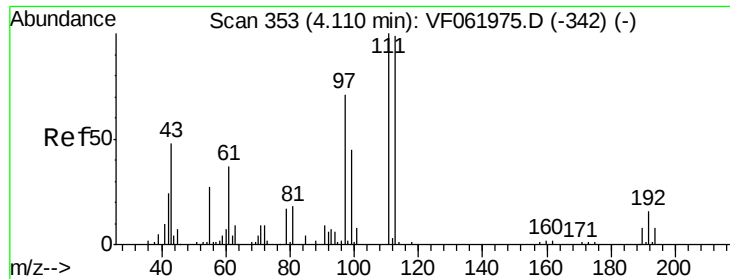
Tgt Ion:113 Resp: 128343
 Ion Ratio Lower Upper
 113 100
 111 98.6 80.8 121.2
 192 19.1 13.0 19.6



#36
 1,1-Dichloropropene
 Concen: 22.886 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. -0.02 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Tgt Ion: 75 Resp: 77522
 Ion Ratio Lower Upper
 75 100
 110 36.5 17.8 53.3
 77 30.1 24.2 36.2

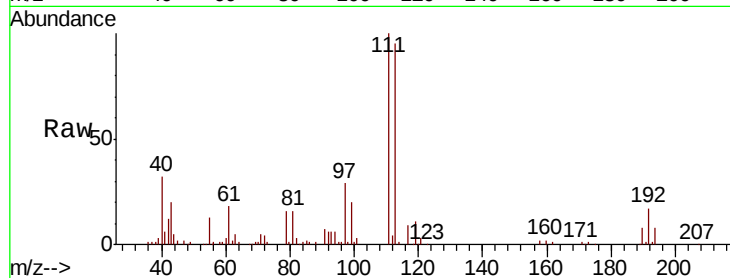




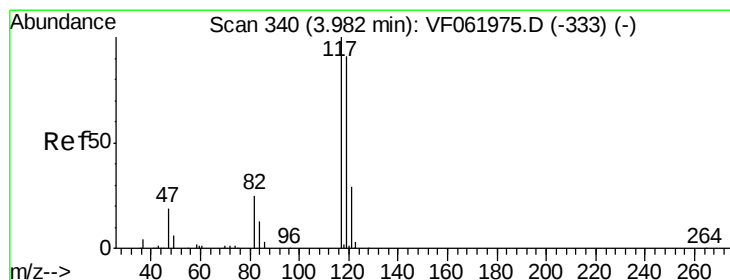
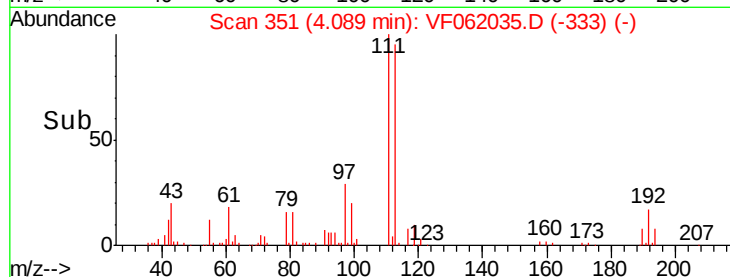
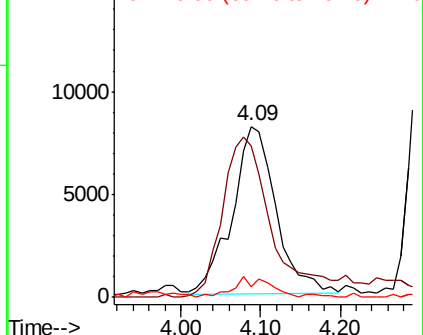
#37
Ethyl Acetate
Concen: 20.416 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tgt Ion: 43 Resp: 31052
Ion Ratio Lower Upper
43 100
61 88.4 59.8 89.6
70 6.2 7.8 11.8#

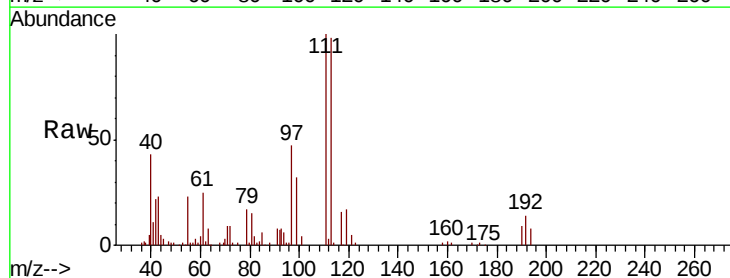


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

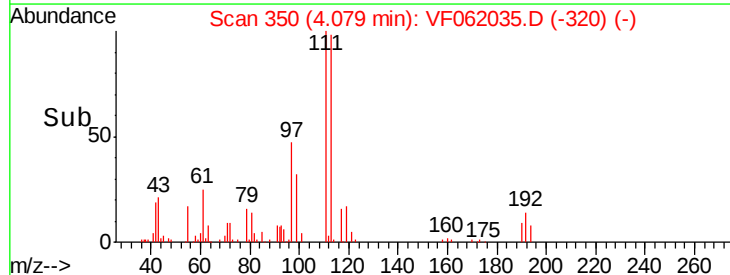
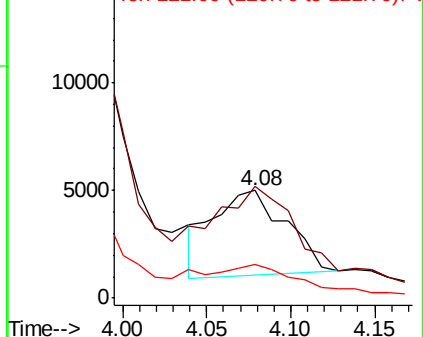


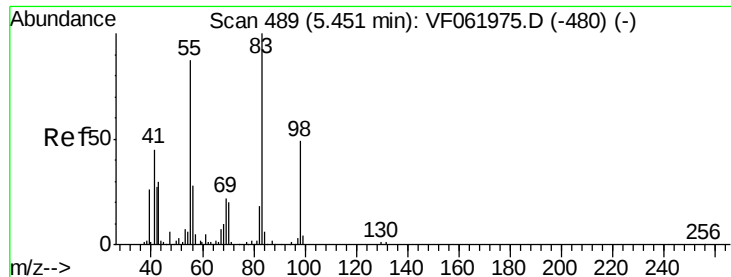
#38
Carbon Tetrachloride
Concen: 4.815 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.10 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion: 117 Resp: 11920
Ion Ratio Lower Upper
117 100
119 103.9 73.0 109.4
121 30.9 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

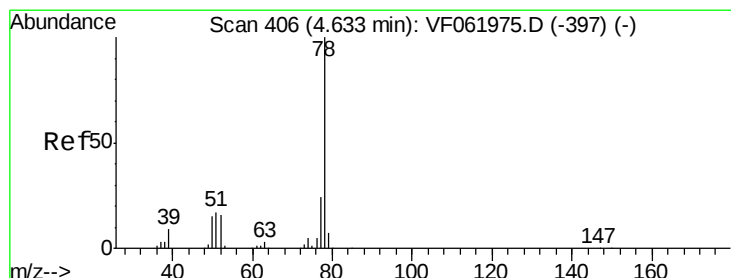
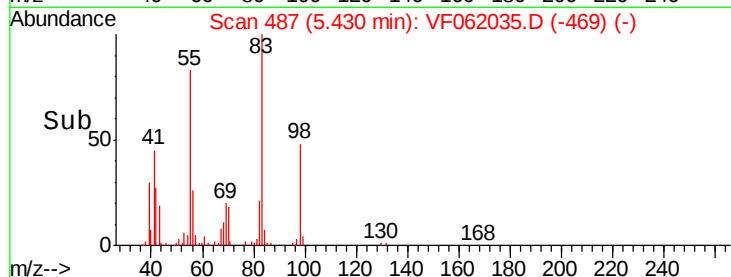
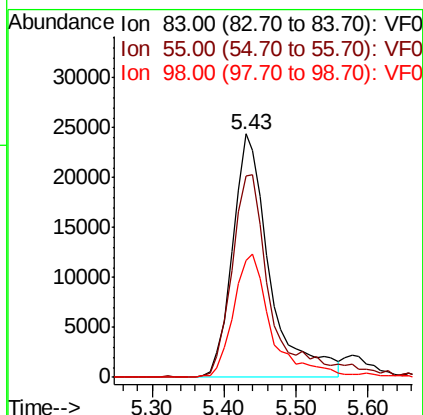
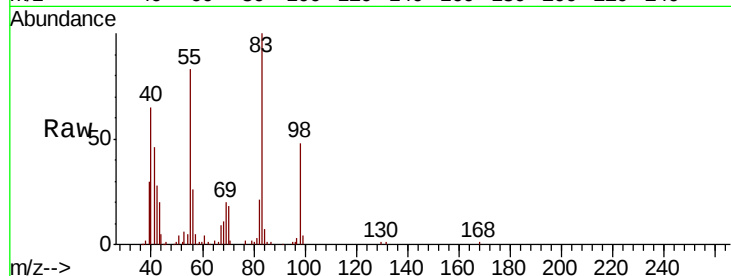




#39
Methylcyclohexane
Concen: 22.026 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

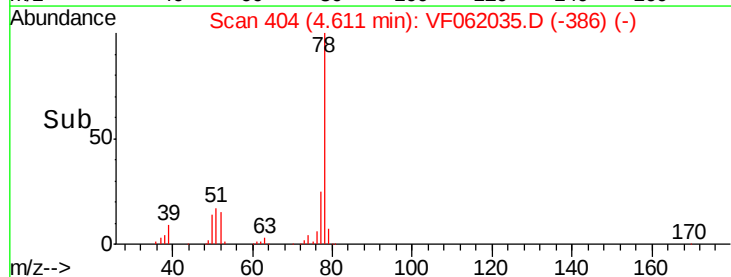
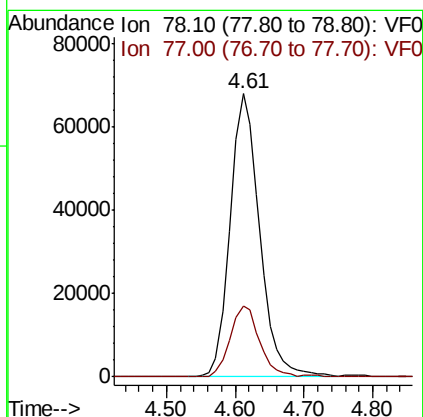
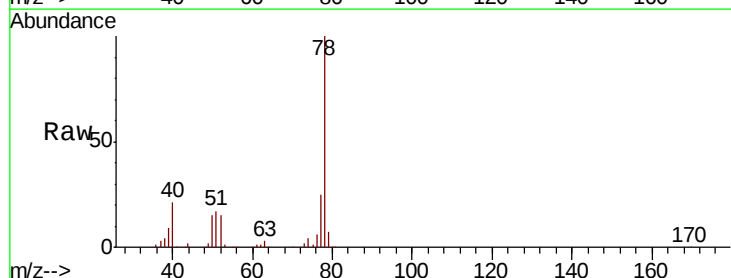
Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

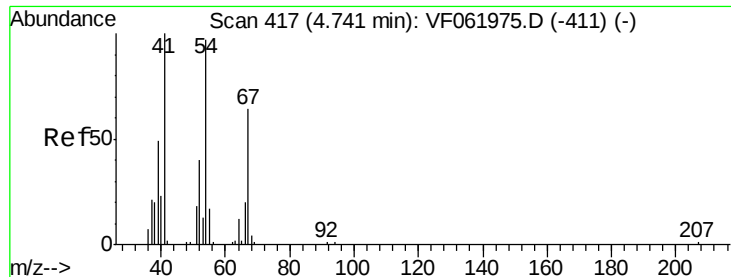
Tgt Ion: 83 Resp: 87590
Ion Ratio Lower Upper
83 100
55 82.9 69.7 104.5
98 47.9 39.4 59.0



#40
Benzene
Concen: 22.533 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion: 78 Resp: 202249
Ion Ratio Lower Upper
78 100
77 24.9 19.0 28.4

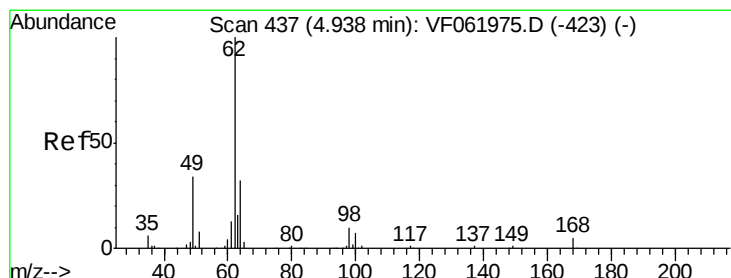
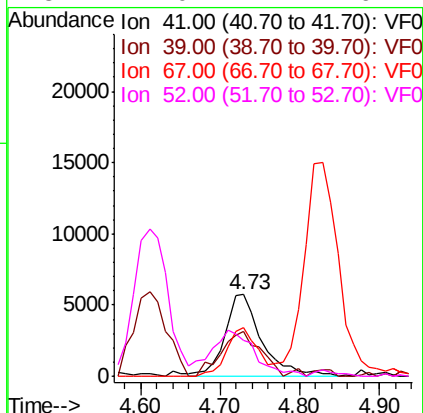
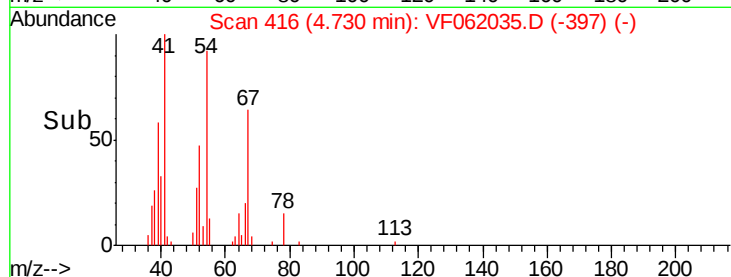
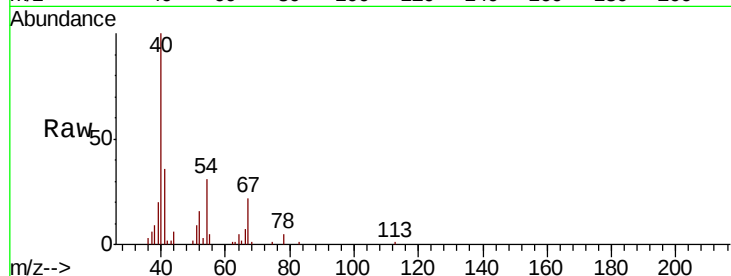




#41
Methacrylonitrile
Concen: 22.742 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

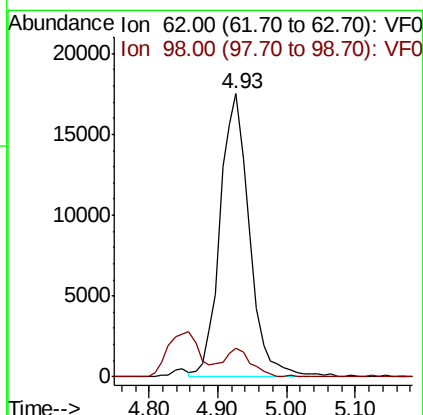
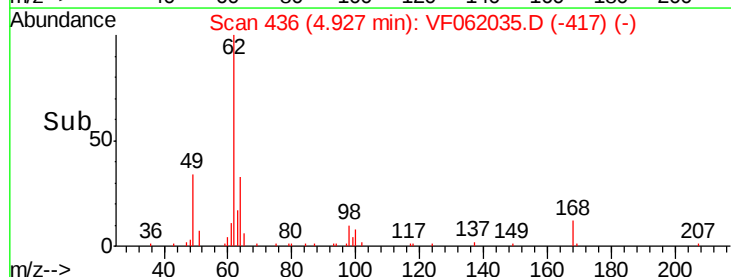
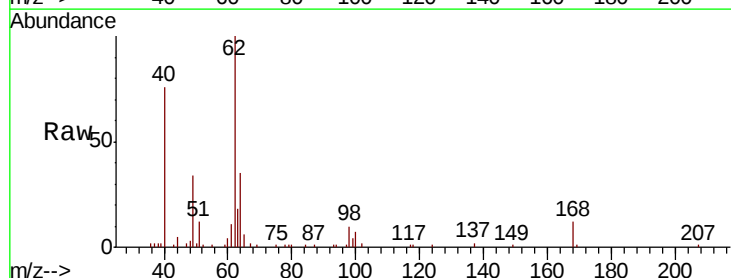
Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

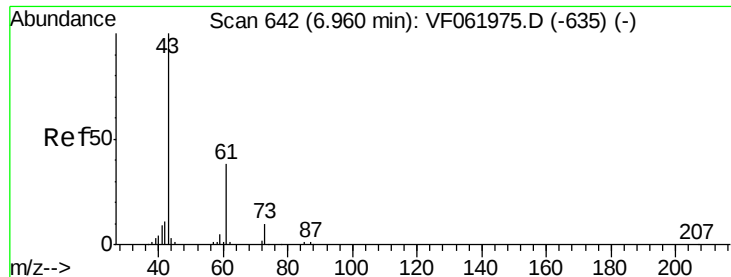
Tgt Ion:	41	Resp:	18480
Ion	Ratio	Lower	Upper
41	100		
39	54.6	46.2	69.4
67	60.4	49.8	74.8
52	44.0	42.7	64.1



#42
1,2-Dichloroethane
Concen: 23.196 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion:	62	Resp:	51827
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.8





#43

Isopropyl Acetate

Concen: 21.638 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

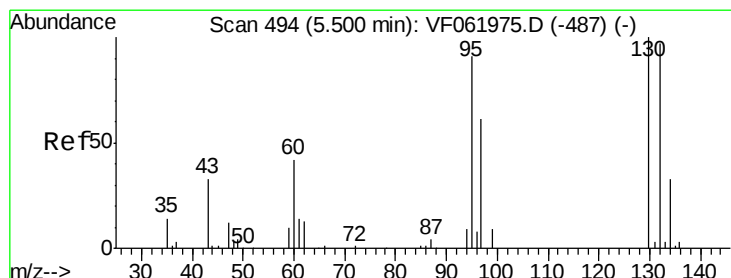
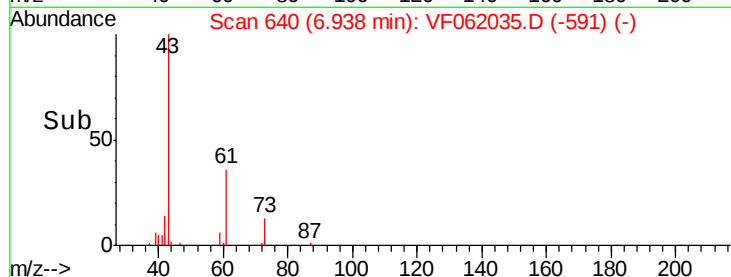
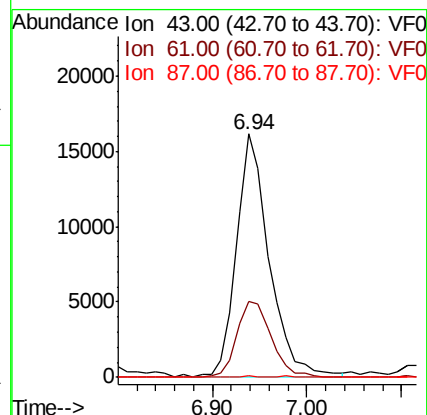
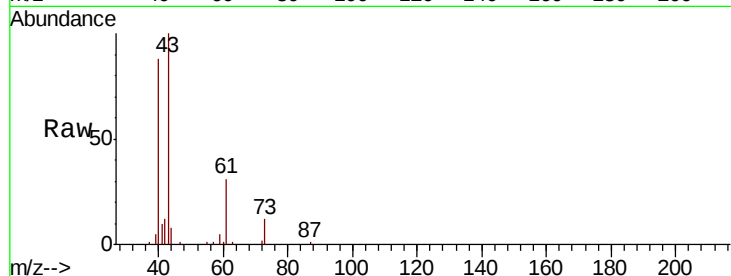
Tgt Ion: 43 Resp: 38938

Ion Ratio Lower Upper

43 100

61 31.3 30.1 45.1

87 0.8 0.4 0.6#



#44

Trichloroethene

Concen: 22.528 ug/l

RT: 5.49 min Scan# 493

Delta R.T. -0.01 min

Lab File: VF062035.D

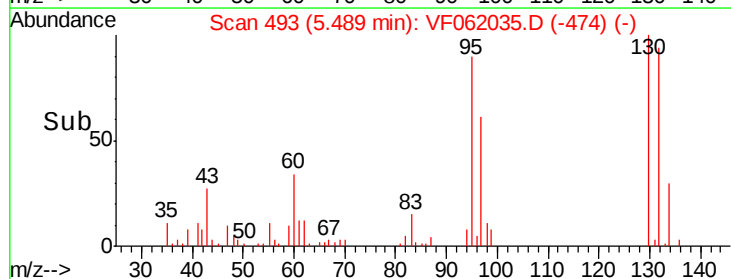
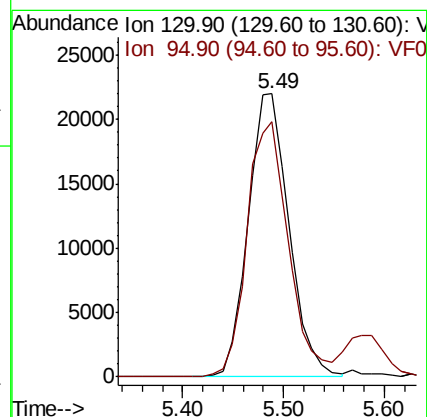
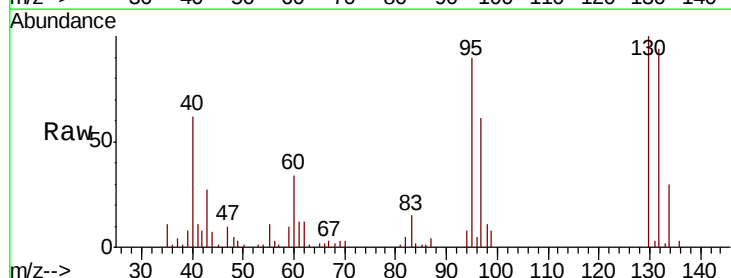
Acq: 20 Mar 2019 12:49

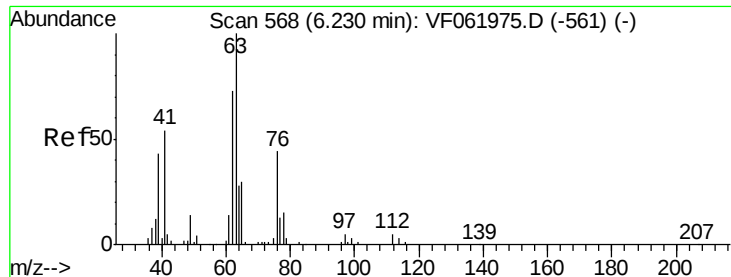
Tgt Ion: 130 Resp: 61940

Ion Ratio Lower Upper

130 100

95 90.2 0.0 181.4





#45

1,2-Dichloropropane

Concen: 22.451 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

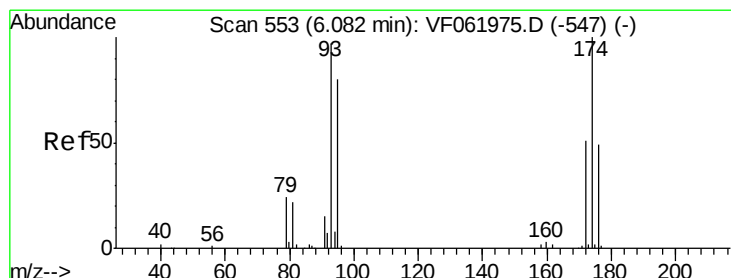
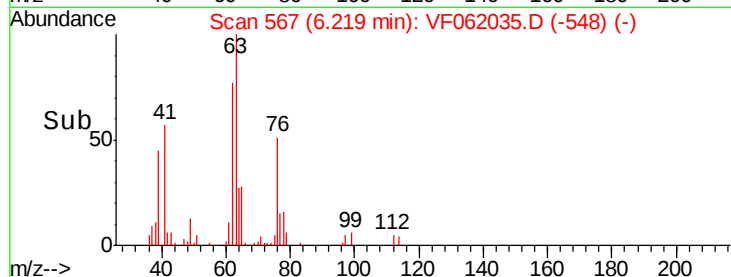
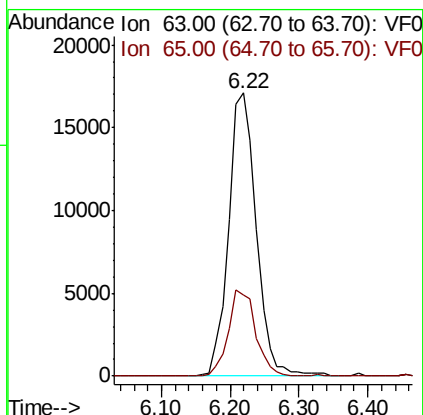
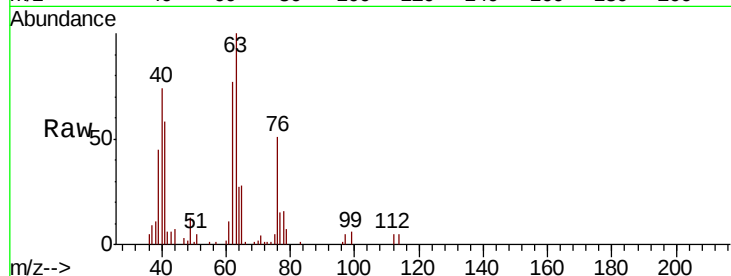
VF0320SBS01

Tgt Ion: 63 Resp: 47689

Ion Ratio Lower Upper

63 100

65 28.5 23.7 35.5



#46

Dibromomethane

Concen: 22.701 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

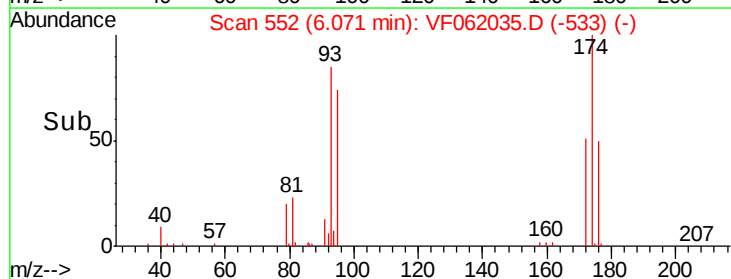
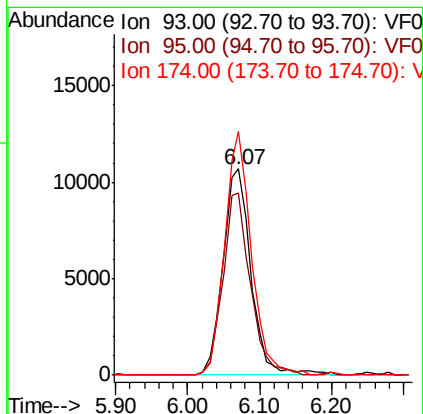
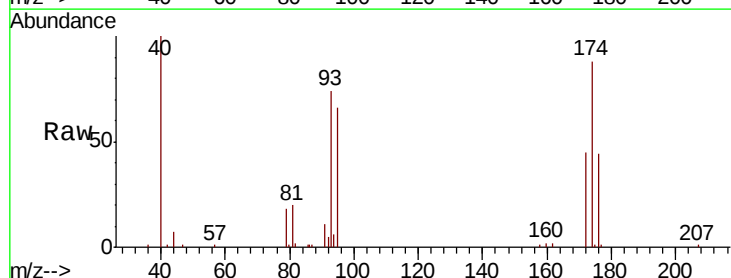
Tgt Ion: 93 Resp: 28685

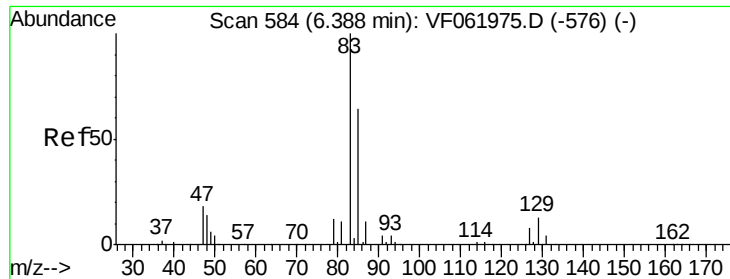
Ion Ratio Lower Upper

93 100

95 88.6 65.7 98.5

174 118.1 82.2 123.4





#47

Bromodichloromethane

Concen: 22.665 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

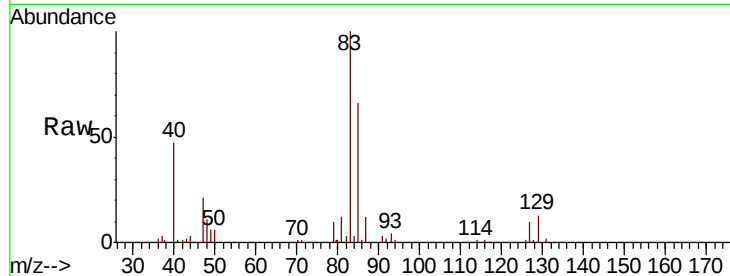
Tgt Ion: 83 Resp: 67519

Ion Ratio Lower Upper

83 100

85 65.5 51.4 77.2

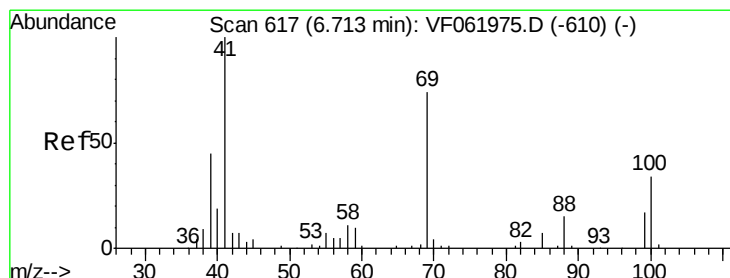
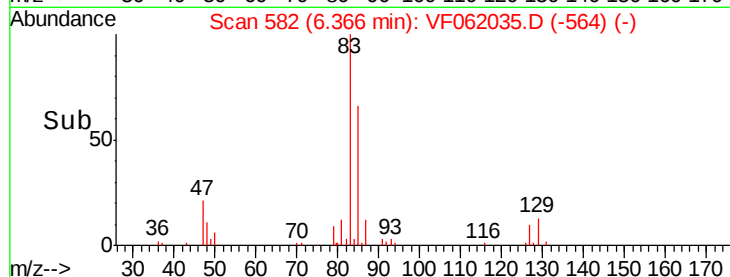
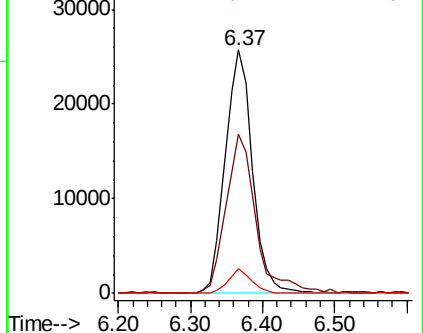
127 10.1 6.5 9.7#



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: 20.198 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

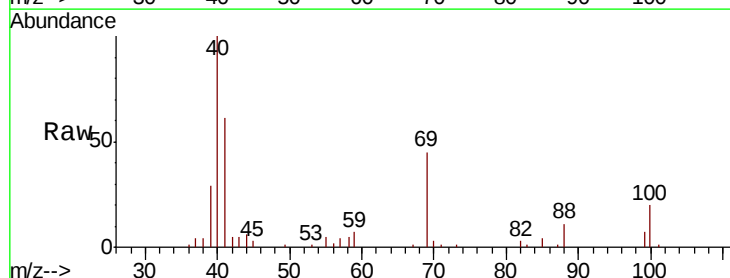
Tgt Ion: 41 Resp: 23491

Ion Ratio Lower Upper

41 100

69 72.9 59.0 88.6

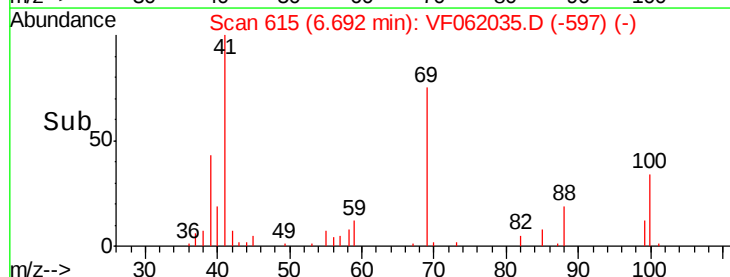
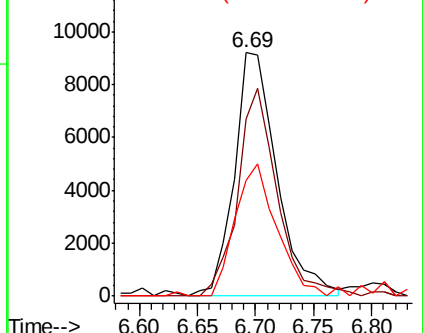
39 47.6 35.6 53.4

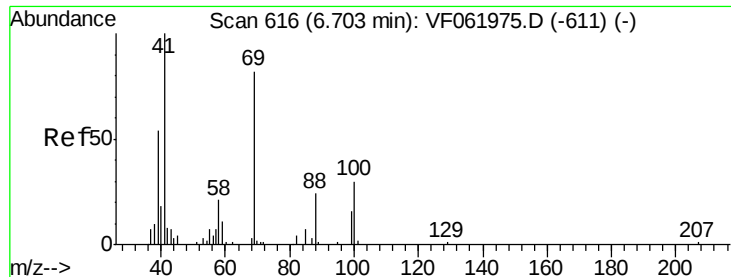


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

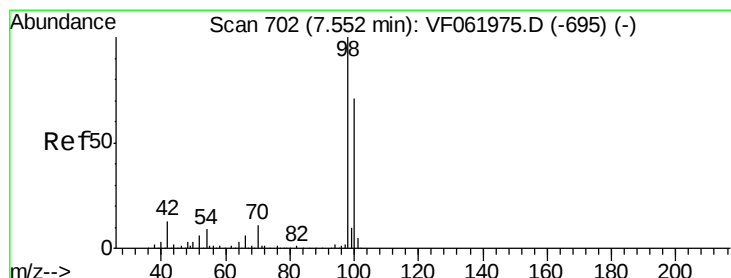
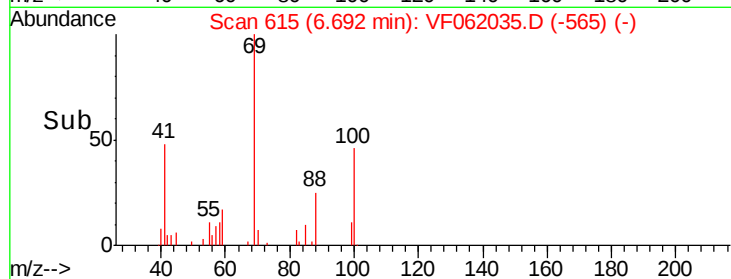
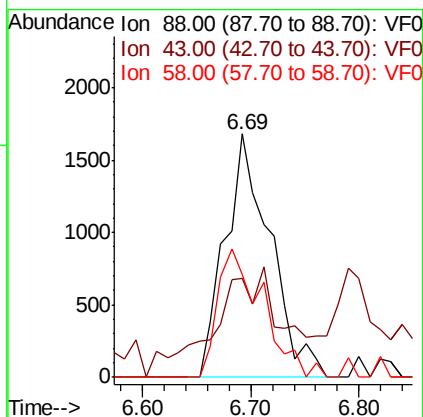
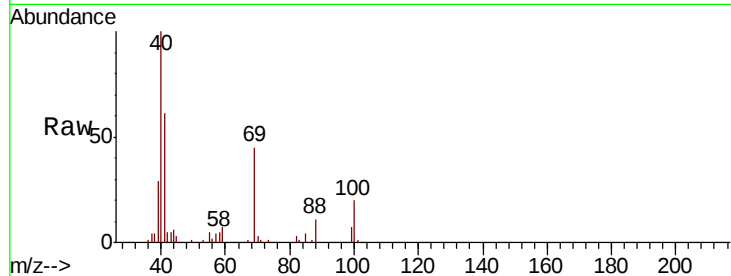




#49
 1,4-Dioxane
 Concen: 474.144 ug/l
 RT: 6.69 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

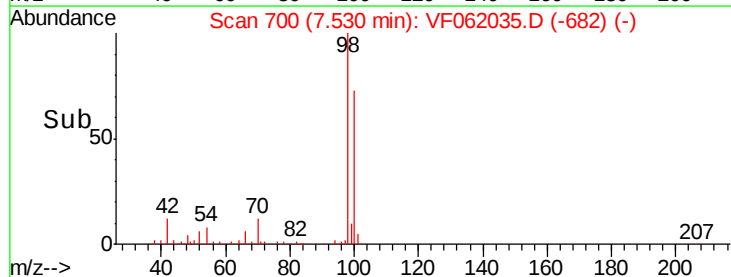
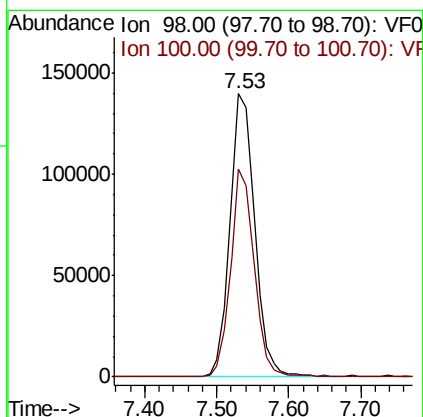
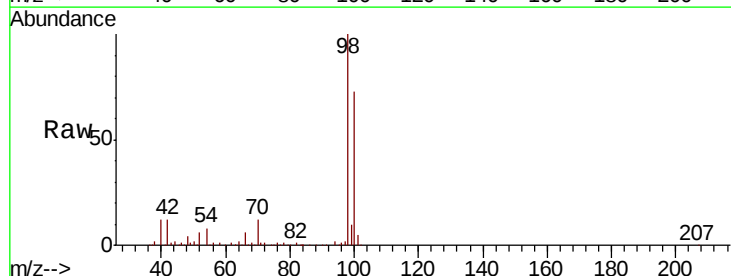
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

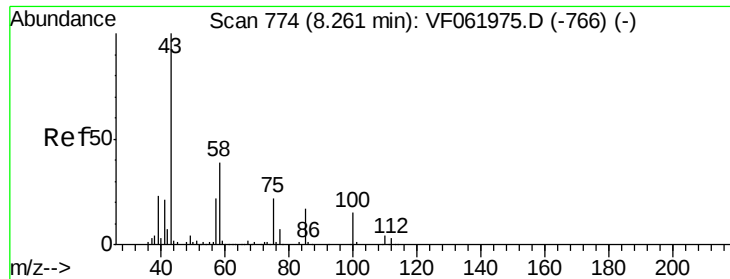
Tgt Ion: 88 Resp: 4905
 Ion Ratio Lower Upper
 88 100
 43 40.6 31.2 46.8
 58 42.1 69.9 104.9#



#50
 Toluene-d8
 Concen: 45.806 ug/l
 RT: 7.53 min Scan# 700
 Delta R.T. -0.02 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Tgt Ion: 98 Resp: 337285
 Ion Ratio Lower Upper
 98 100
 100 73.3 56.8 85.2





#51

4-Methyl-2-Pentanone

Concen: 107.588 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

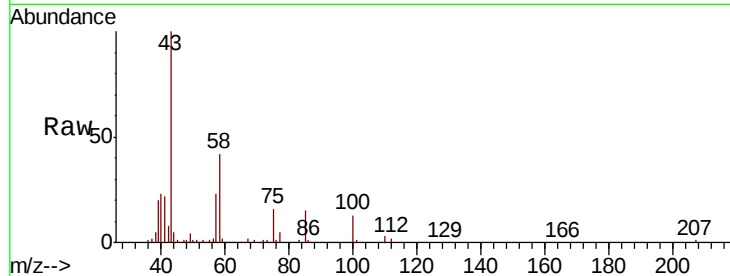
VF0320SBS01

Tgt Ion: 43 Resp: 137481

Ion Ratio Lower Upper

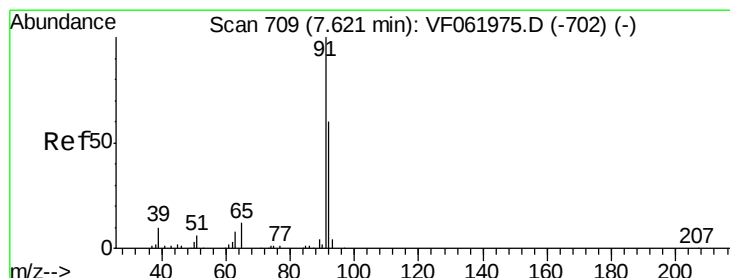
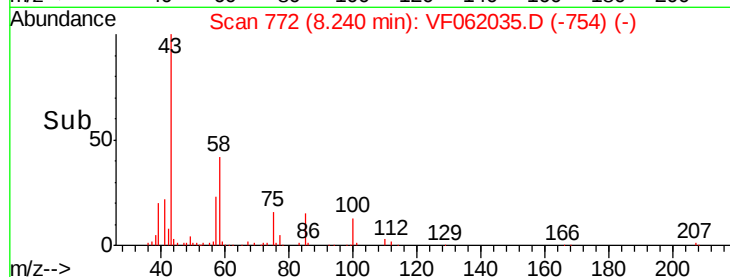
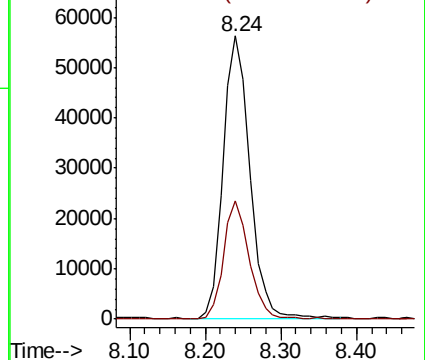
43 100

58 41.6 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.809 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF062035.D

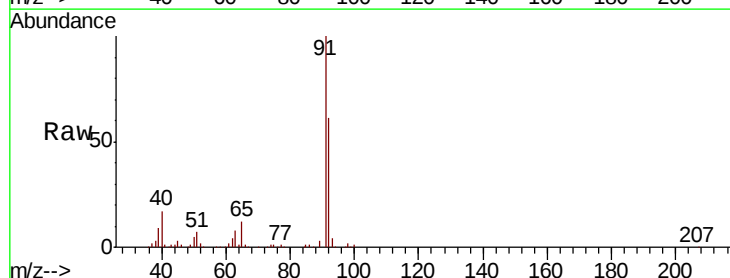
Acq: 20 Mar 2019 12:49

Tgt Ion: 92 Resp: 119604

Ion Ratio Lower Upper

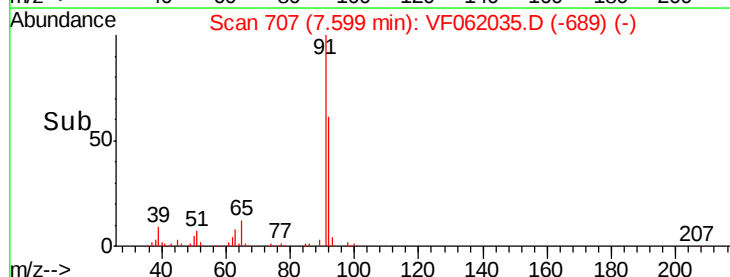
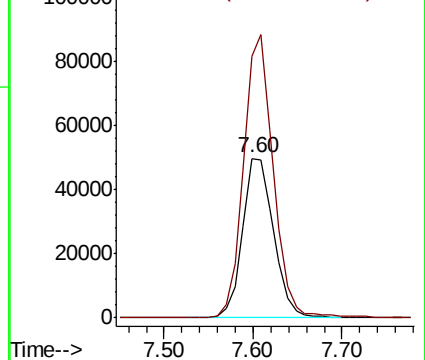
92 100

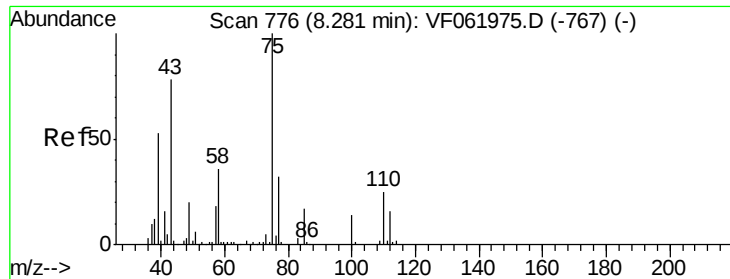
91 164.0 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 21.494 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

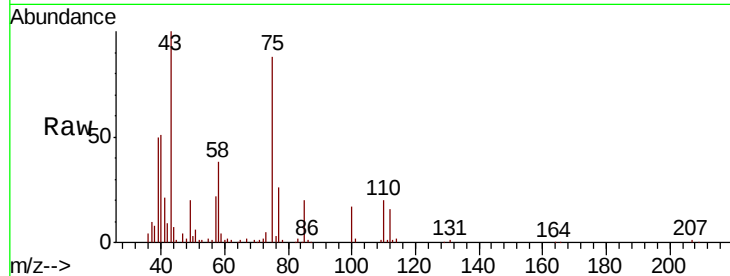
VF0320SBS01

Tgt Ion: 75 Resp: 54057

Ion Ratio Lower Upper

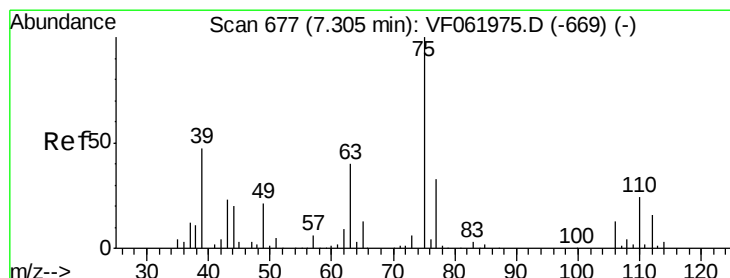
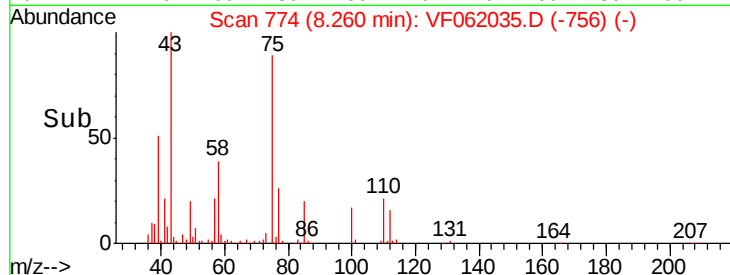
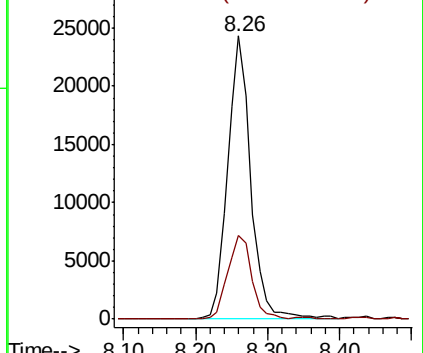
75 100

77 29.4 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 21.712 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

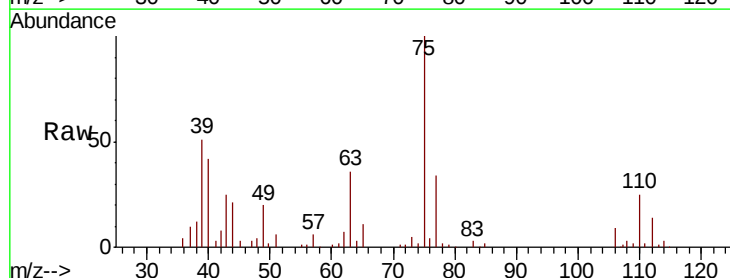
Tgt Ion: 75 Resp: 71251

Ion Ratio Lower Upper

75 100

77 33.6 26.4 39.6

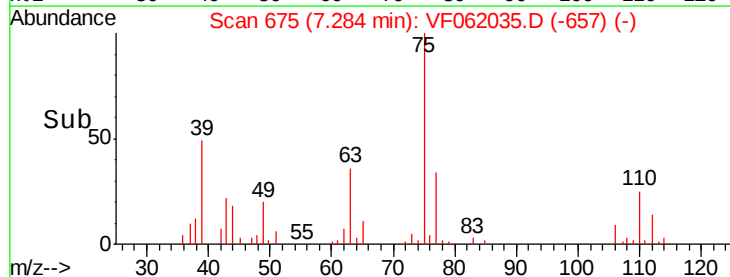
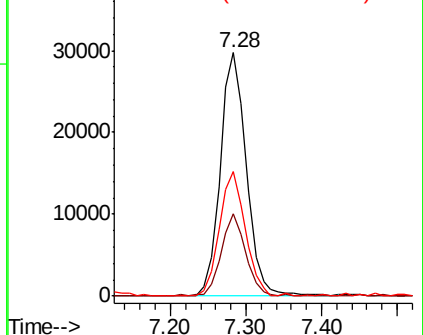
39 50.9 38.0 57.0

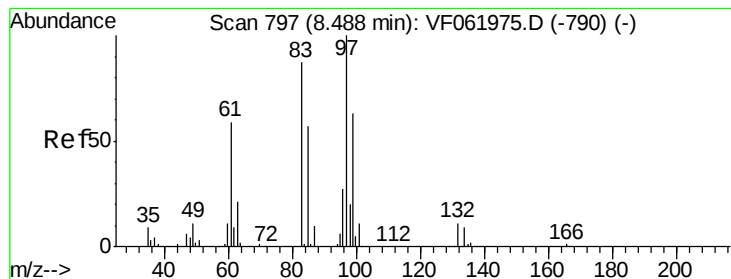


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 22.234 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tgt Ion: 97 Resp: 34031

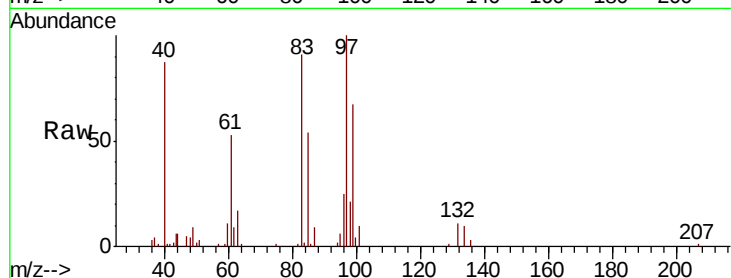
Ion Ratio Lower Upper

97 100

83 91.2 69.7 104.5

85 53.8 45.8 68.6

99 67.5 50.3 75.5

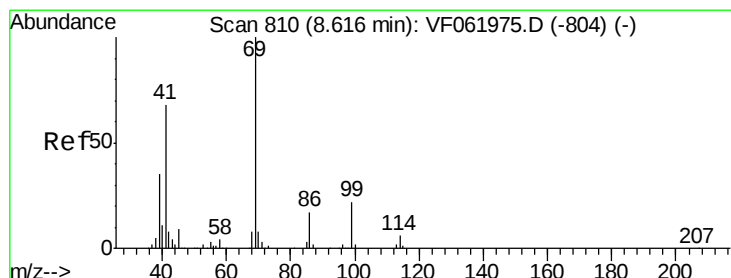
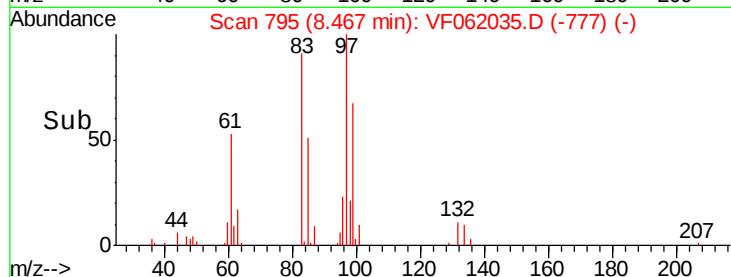
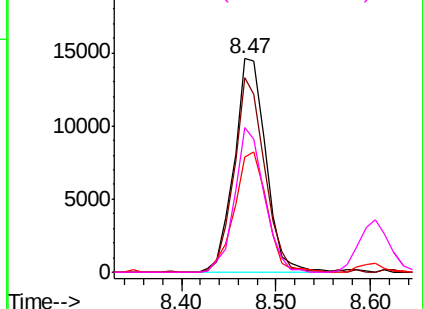


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.594 ug/l

RT: 8.60 min Scan# 809

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

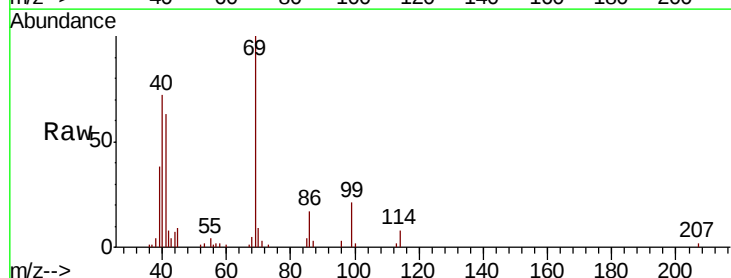
Tgt Ion: 69 Resp: 37572

Ion Ratio Lower Upper

69 100

41 63.4 54.7 82.1

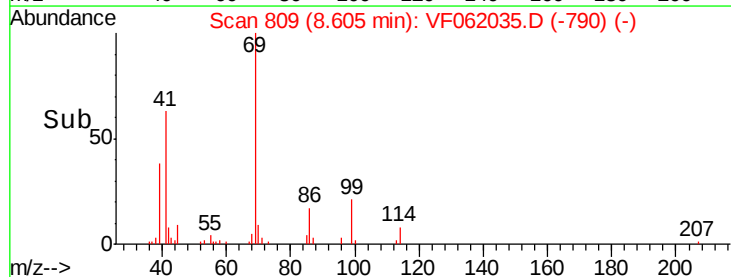
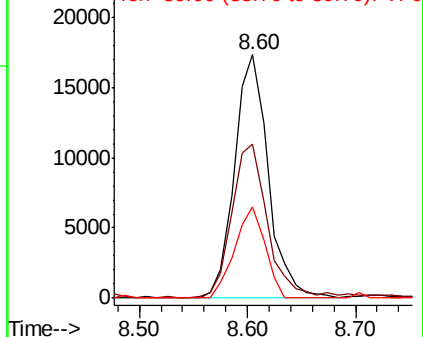
39 37.5 27.9 41.9

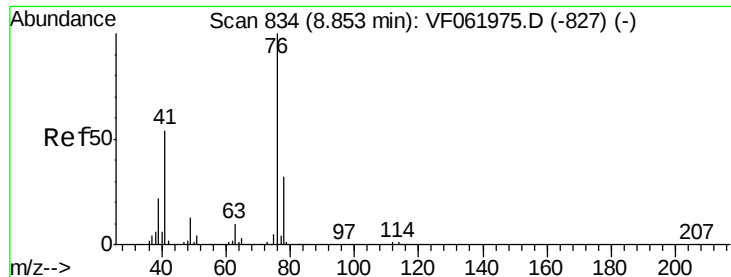


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.306 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

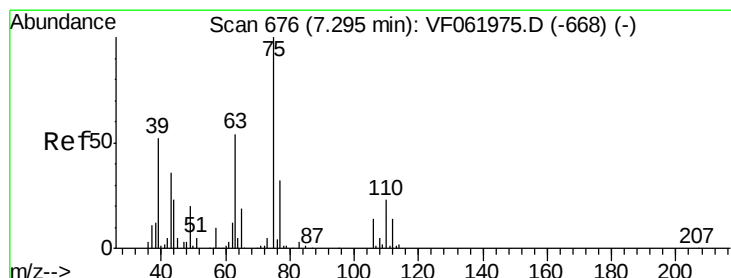
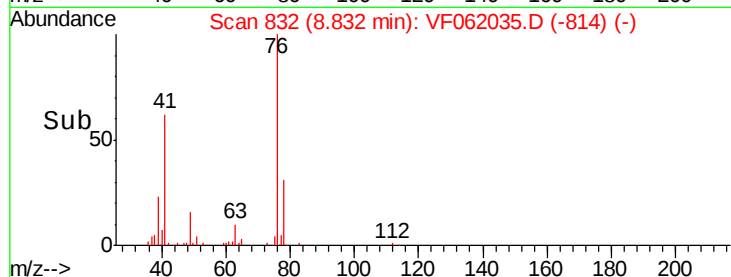
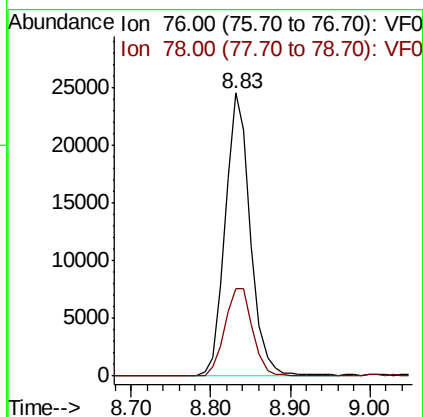
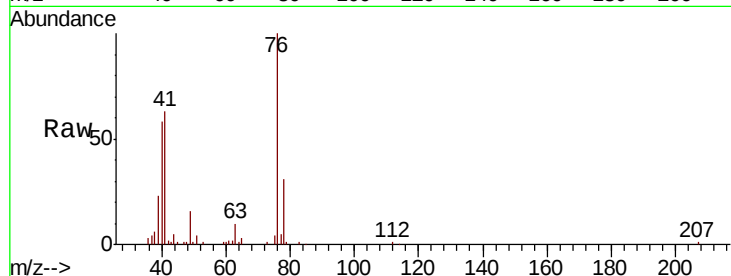
VF0320SBS01

Tgt Ion: 76 Resp: 54399

Ion Ratio Lower Upper

76 100

78 30.8 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 88.070 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.02 min

Lab File: VF062035.D

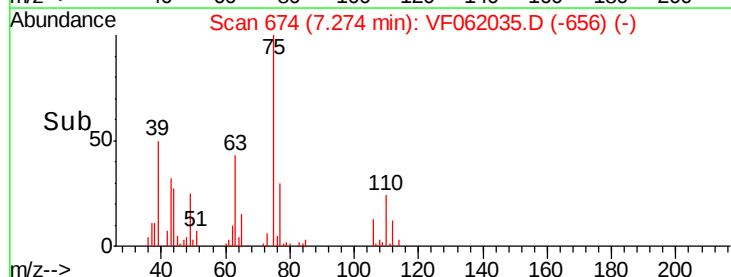
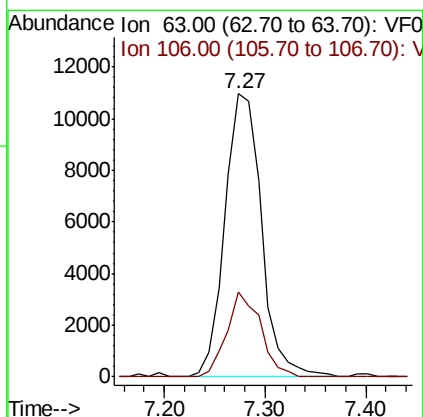
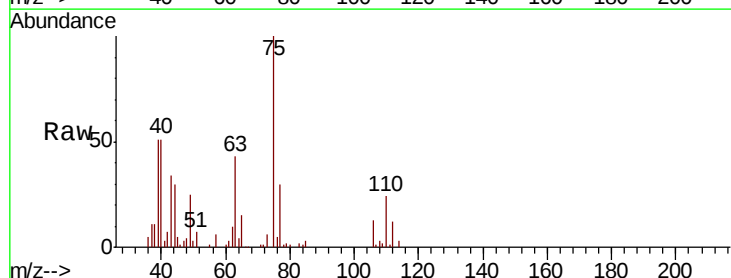
Acq: 20 Mar 2019 12:49

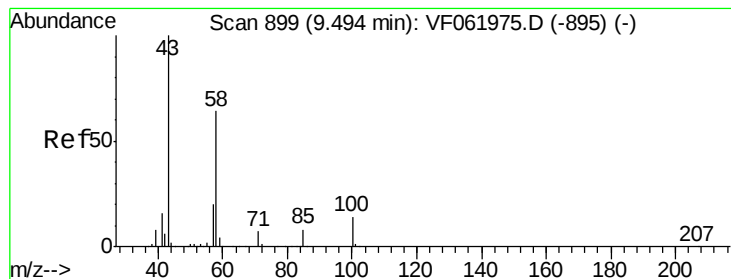
Tgt Ion: 63 Resp: 27755

Ion Ratio Lower Upper

63 100

106 29.8 20.9 31.3





#59

2-Hexanone

Concen: 117.374 ug/l

RT: 9.47 min Scan# 897

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

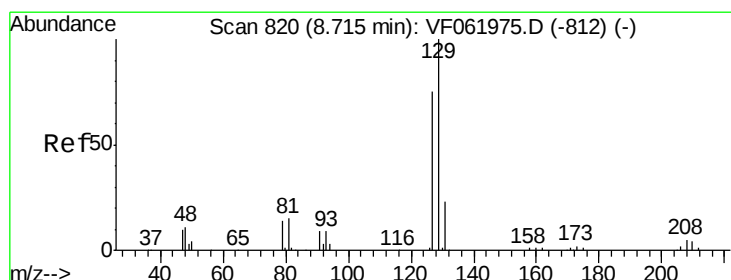
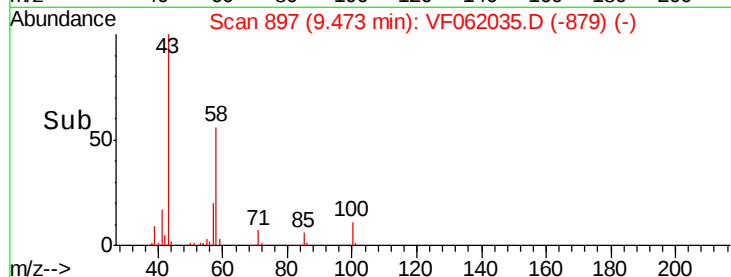
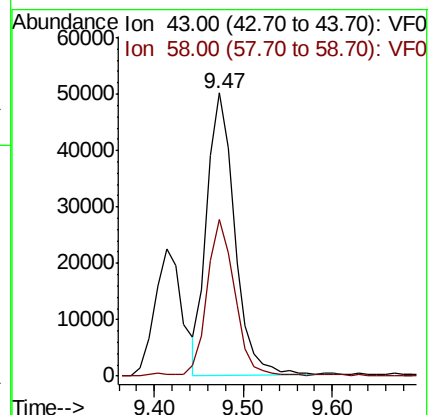
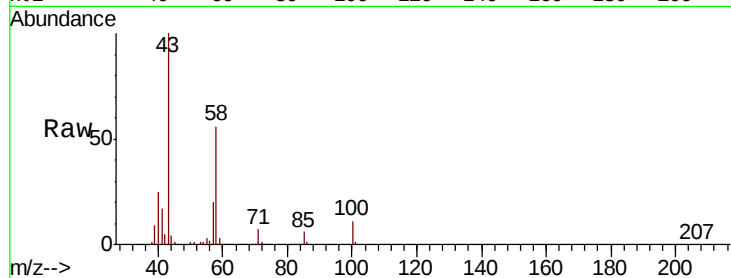
VF0320SBS01

Tgt Ion: 43 Resp: 108546

Ion Ratio Lower Upper

43 100

58 55.6 28.4 85.2



#60

Dibromochloromethane

Concen: 22.846 ug/l

RT: 8.69 min Scan# 818

Delta R.T. -0.02 min

Lab File: VF062035.D

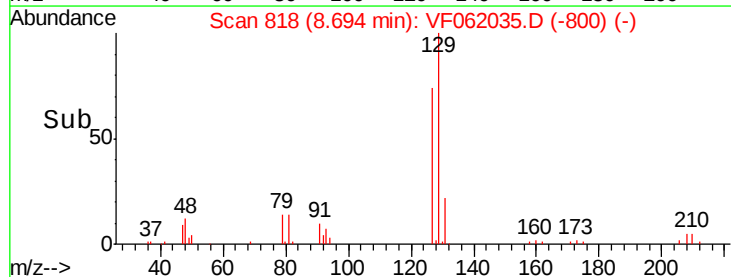
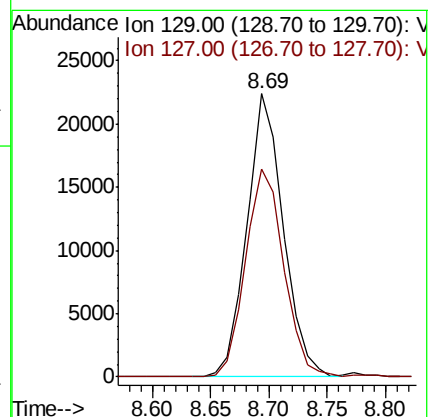
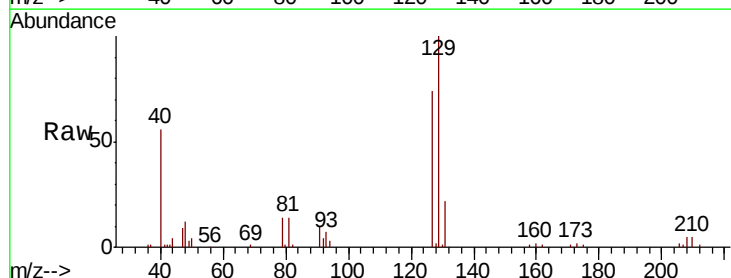
Acq: 20 Mar 2019 12:49

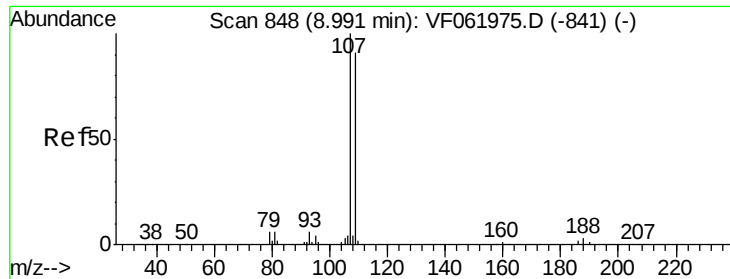
Tgt Ion: 129 Resp: 48544

Ion Ratio Lower Upper

129 100

127 73.6 37.3 111.8

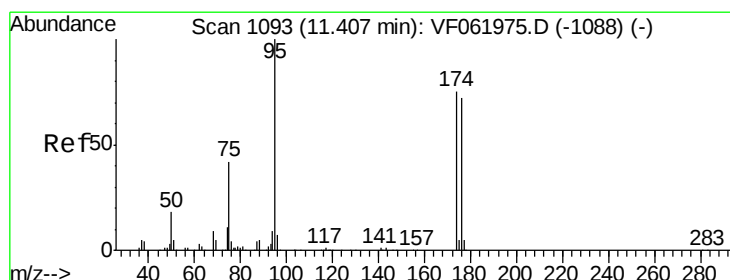
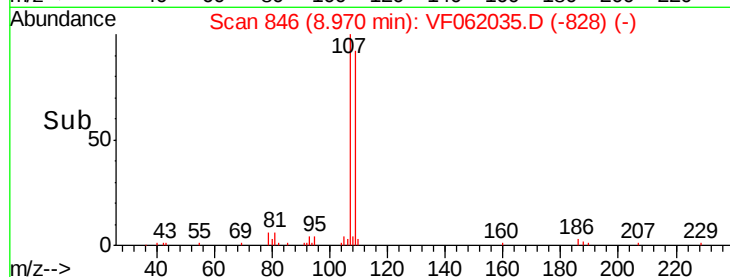
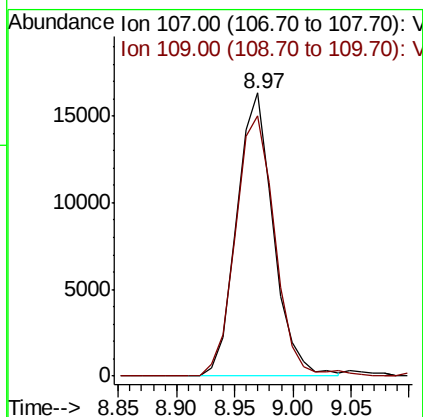
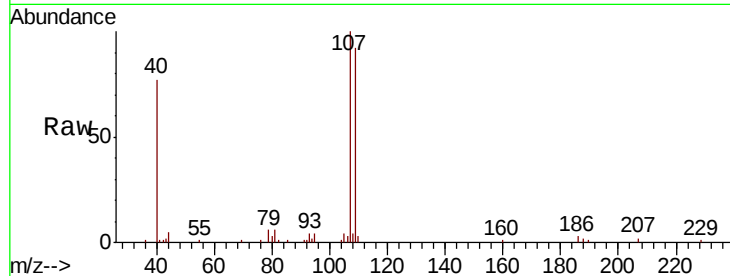




#61
 1,2-Dibromoethane
 Concen: 21.706 ug/l
 RT: 8.97 min Scan# 846
 Delta R.T. -0.02 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

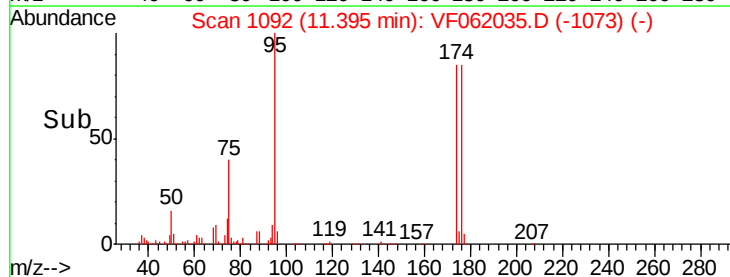
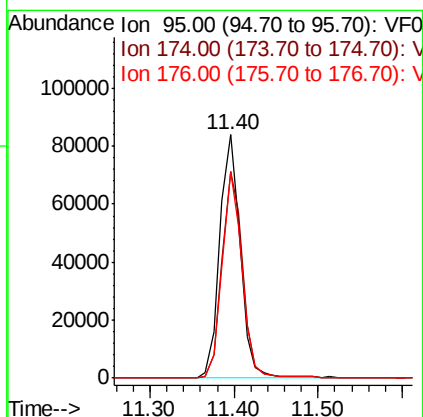
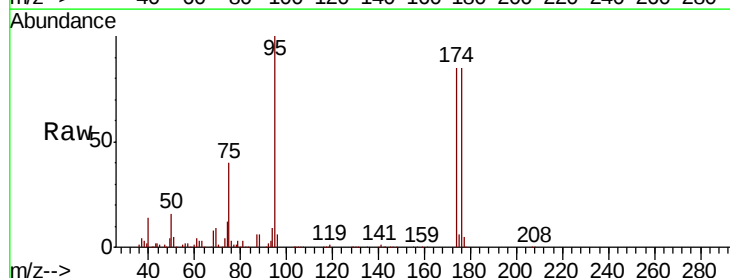
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

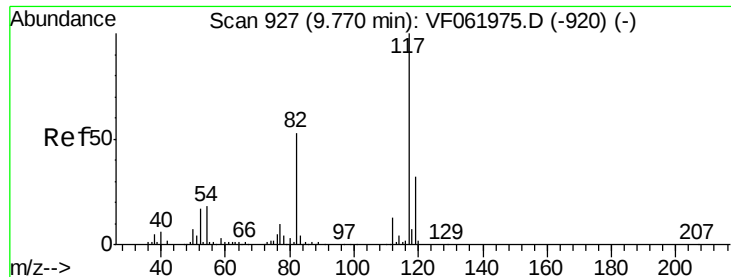
Tgt Ion: 107 Resp: 35637
 Ion Ratio Lower Upper
 107 100
 109 91.8 72.8 109.2



#62
 4-Bromofluorobenzene
 Concen: 48.994 ug/l
 RT: 11.40 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Tgt Ion: 95 Resp: 143317
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 149.4
 176 85.0 0.0 143.4

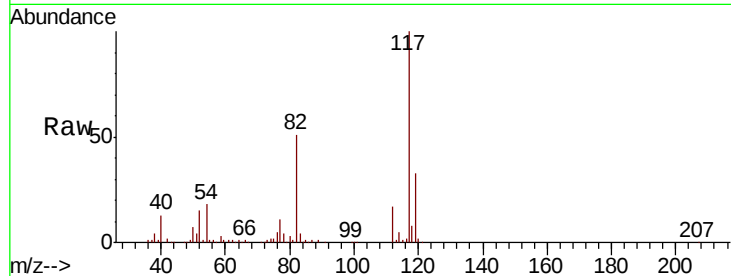




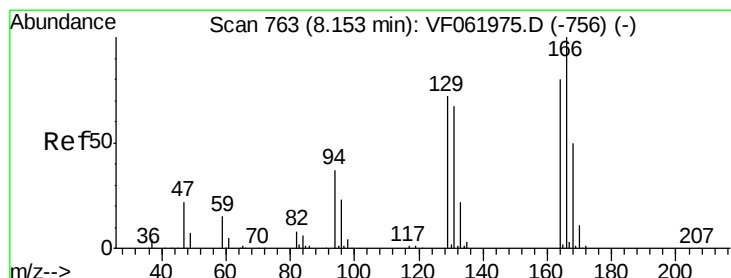
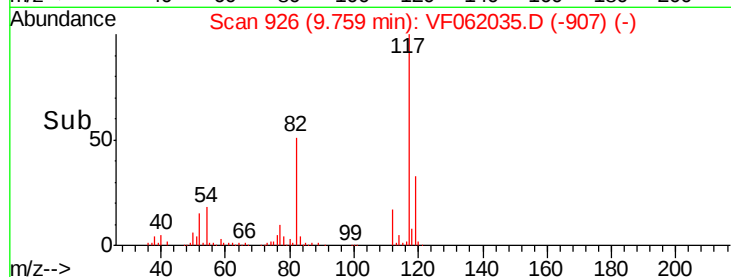
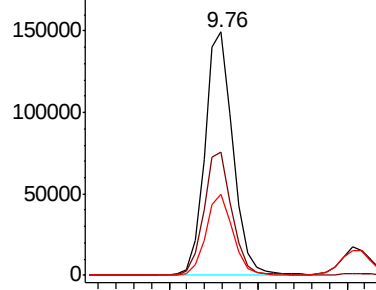
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tgt Ion:117 Resp: 328729
Ion Ratio Lower Upper
117 100
82 50.6 42.5 63.7
119 33.5 25.4 38.0



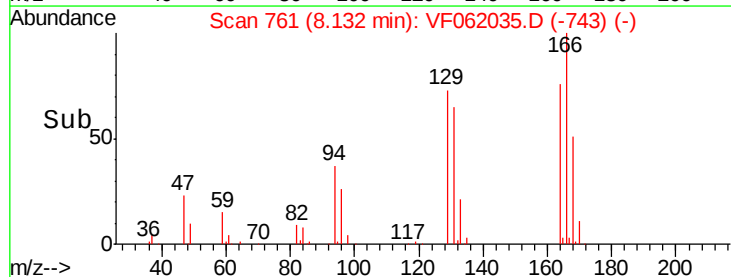
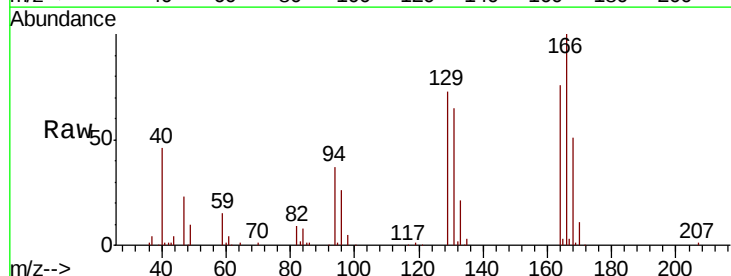
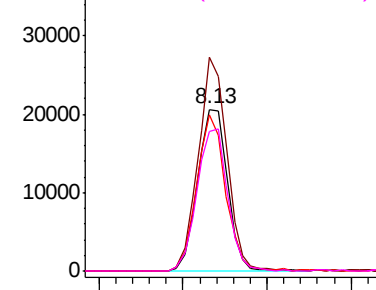
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

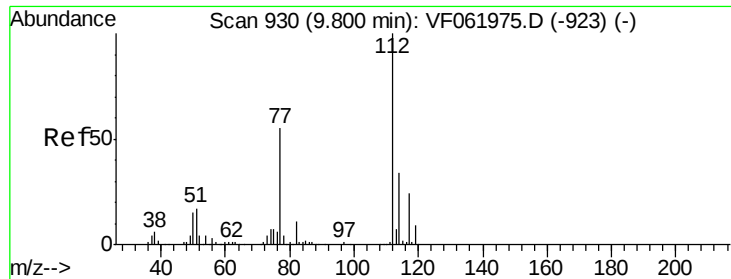


#64
Tetrachloroethene
Concen: 21.321 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion:164 Resp: 50946
Ion Ratio Lower Upper
164 100
166 132.1 100.0 150.0
129 96.3 72.4 108.6
131 86.2 67.1 100.7

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

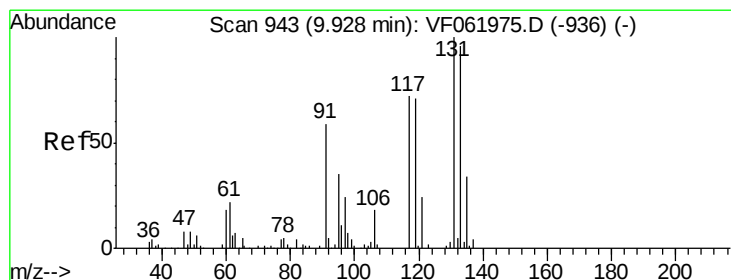
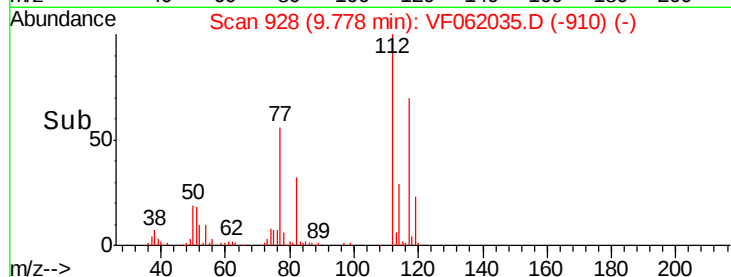
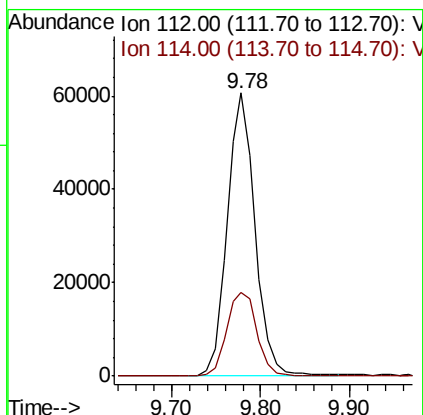
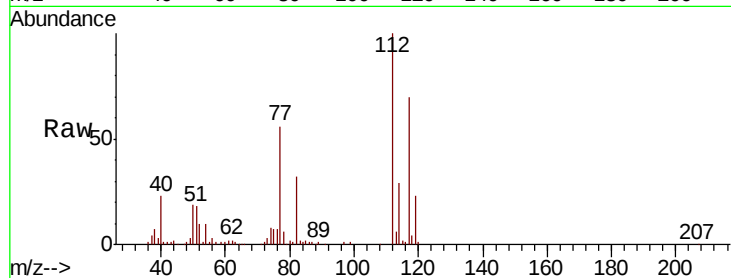




#65
Chlorobenzene
Concen: 21.713 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

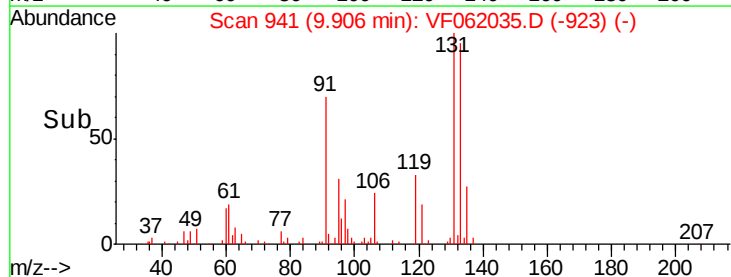
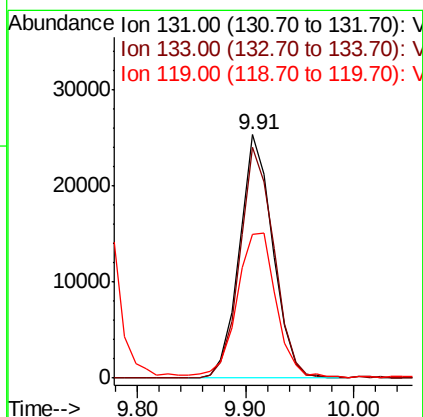
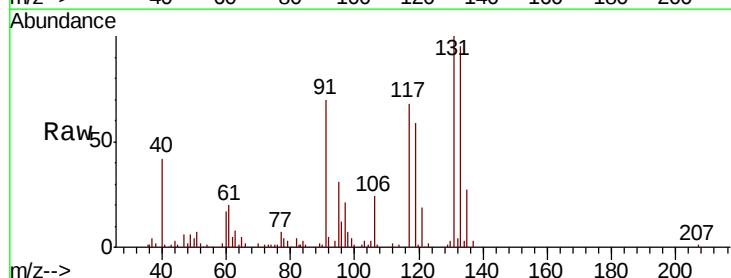
Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

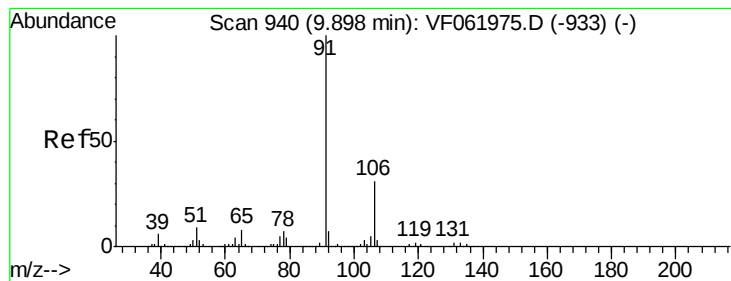
Tgt Ion:112 Resp: 132892
Ion Ratio Lower Upper
112 100
114 29.4 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 22.892 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion:131 Resp: 54309
Ion Ratio Lower Upper
131 100
133 94.9 48.0 144.2
119 59.3 35.9 107.7





#67

Ethyl Benzene

Concen: 21.342 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

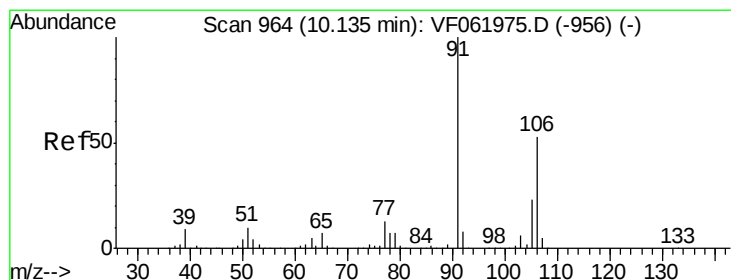
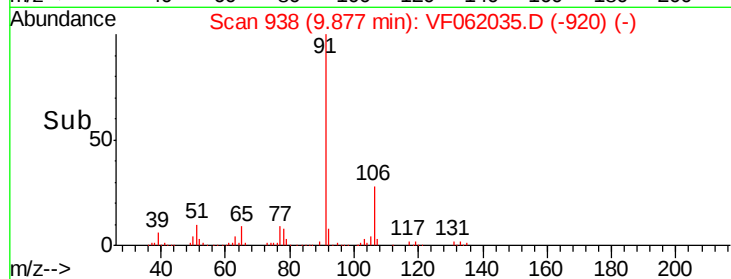
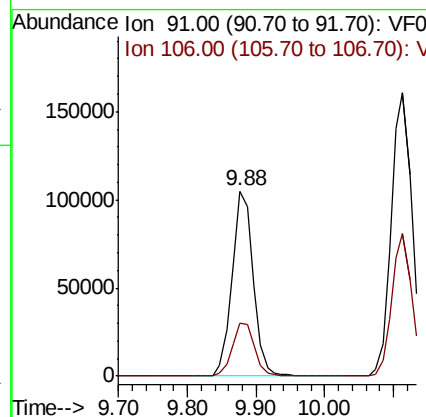
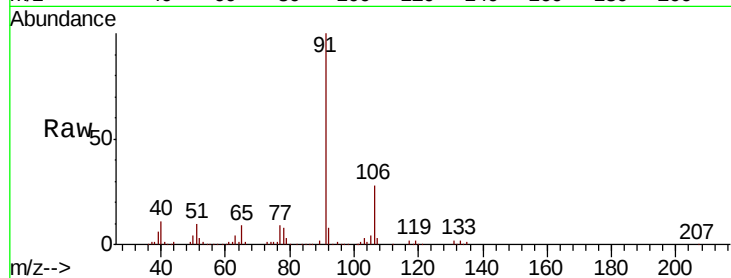
VF0320SBS01

Tgt Ion: 91 Resp: 223652

Ion Ratio Lower Upper

91 100

106 28.3 24.4 36.6



#68

m/p-Xylenes

Concen: 42.525 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF062035.D

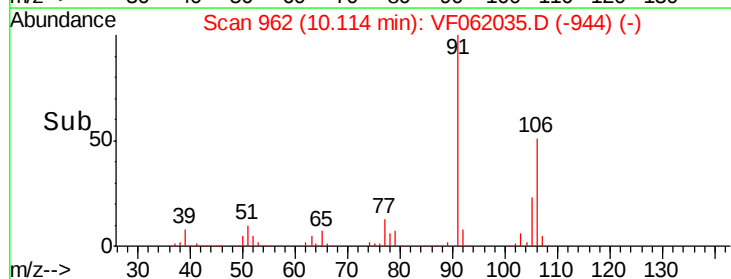
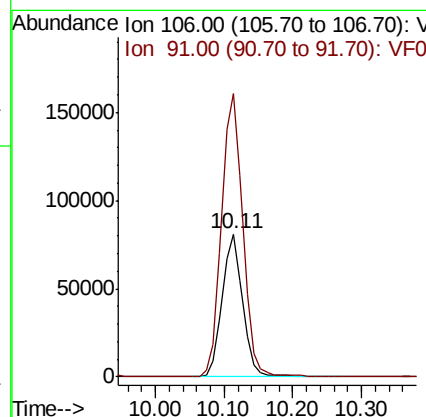
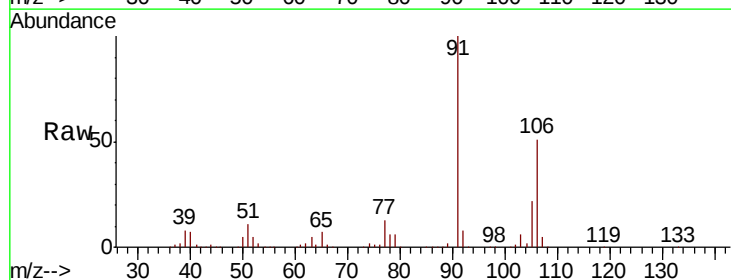
Acq: 20 Mar 2019 12:49

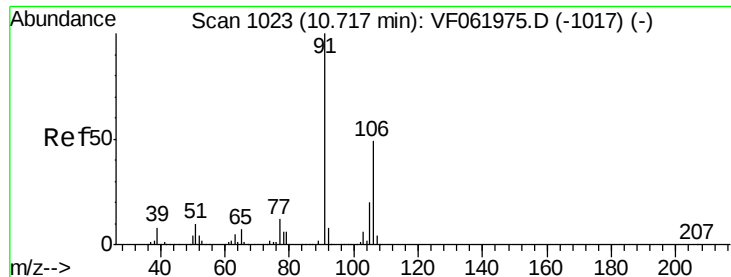
Tgt Ion: 106 Resp: 167609

Ion Ratio Lower Upper

106 100

91 198.0 151.9 227.9

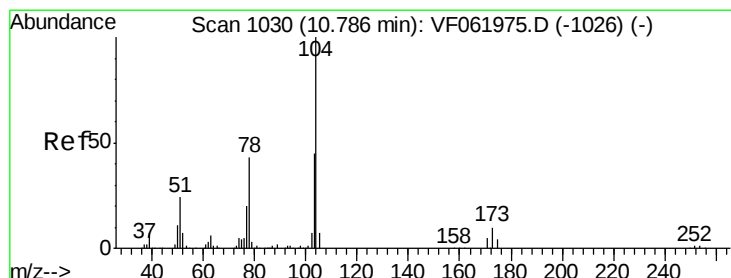
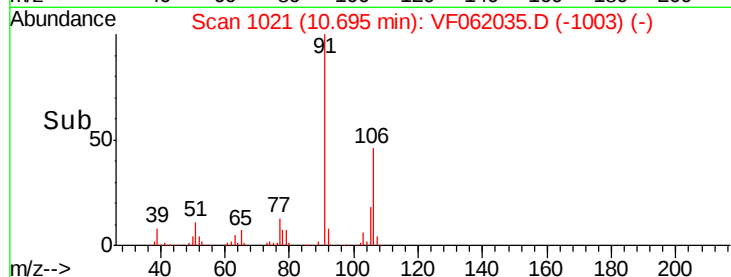
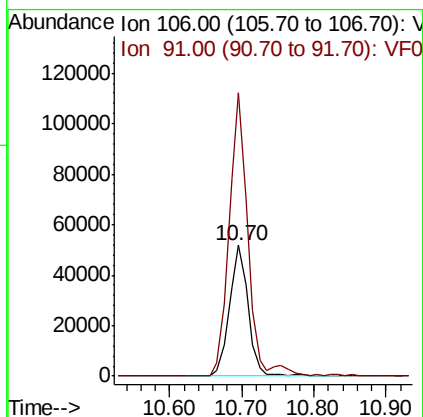
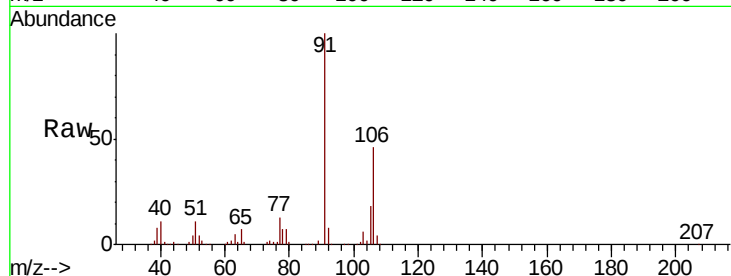




#69
o-Xylene
Concen: 22.161 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

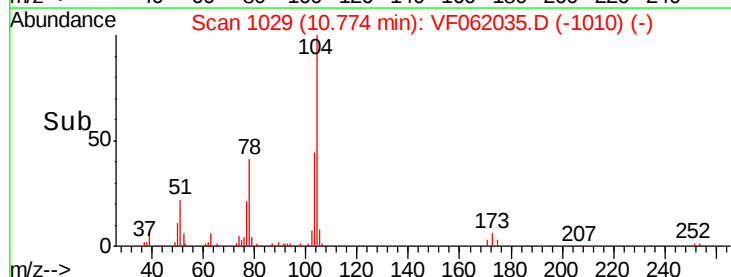
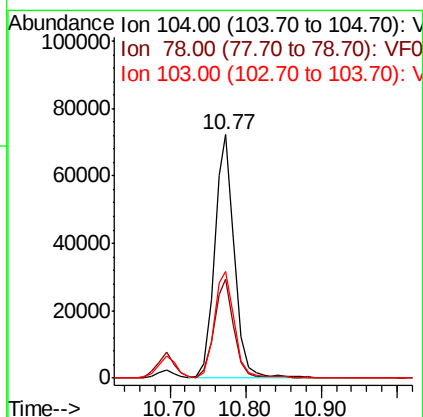
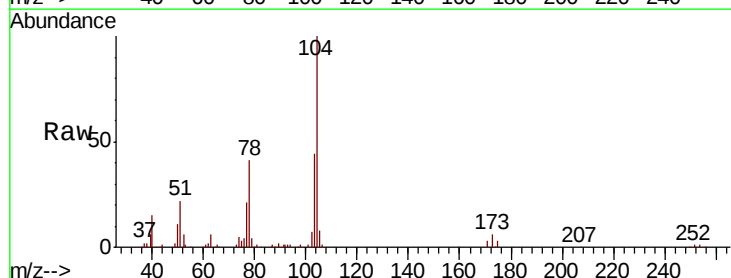
Instrument :
MSVOA_F
ClientSampleId :
VF0320SBSD01

Tgt Ion:106 Resp: 93463
Ion Ratio Lower Upper
106 100
91 216.0 102.3 306.8



#70
Styrene
Concen: 22.453 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion:104 Resp: 131190
Ion Ratio Lower Upper
104 100
78 40.8 34.7 52.1
103 44.0 36.6 54.8





#71

Bromoform

Concen: 22.246 ug/l

RT: 10.75 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

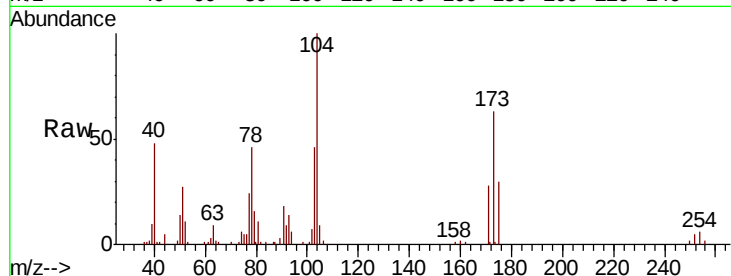
Tgt Ion:173 Resp: 26694

Ion Ratio Lower Upper

173 100

175 47.0 23.7 71.1

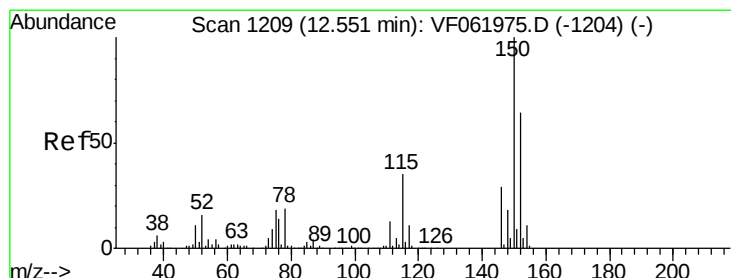
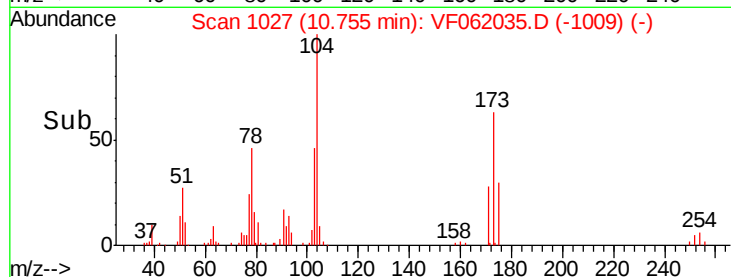
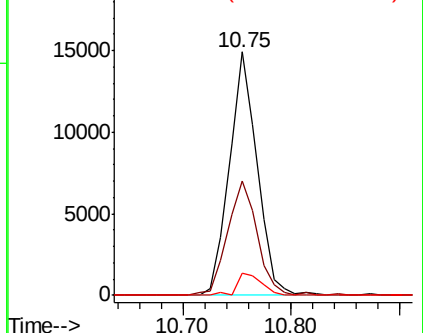
254 8.9 7.8 11.8



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: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

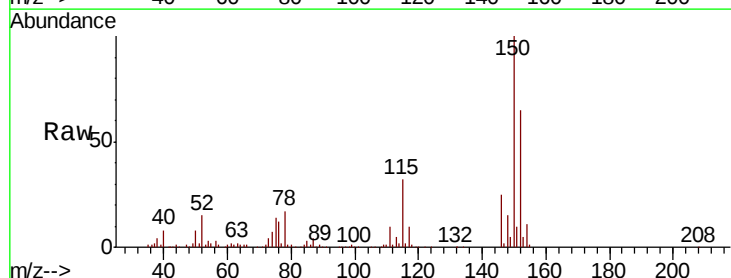
Tgt Ion:152 Resp: 179309

Ion Ratio Lower Upper

152 100

115 49.8 27.3 81.9

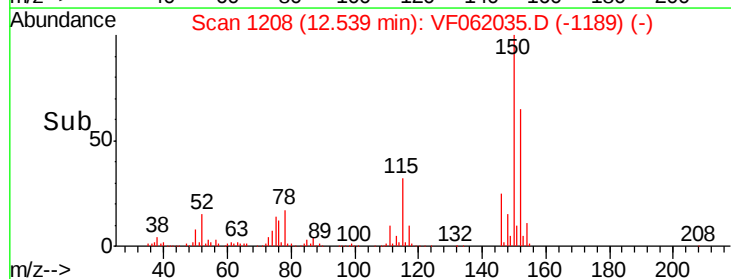
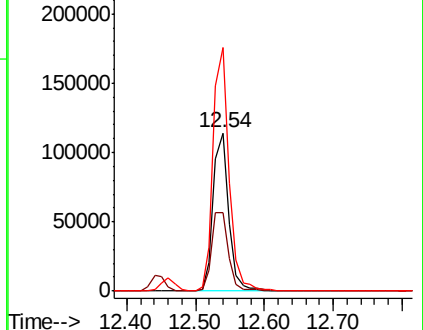
150 153.7 0.0 316.2

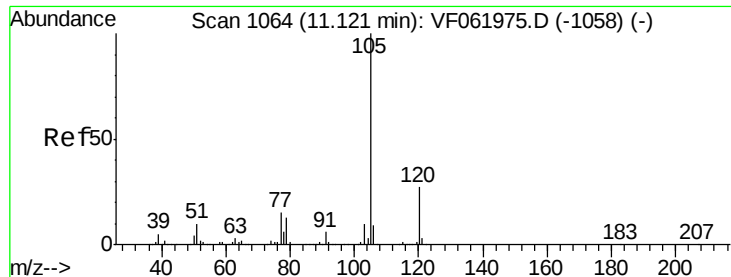


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.001 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

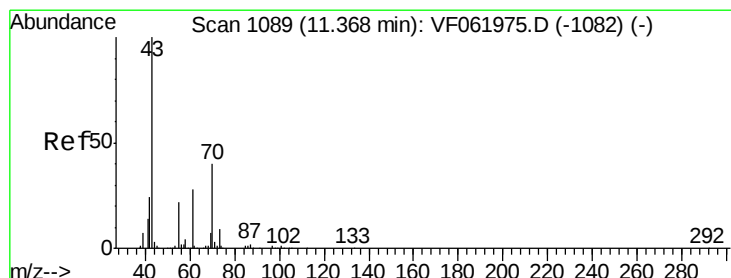
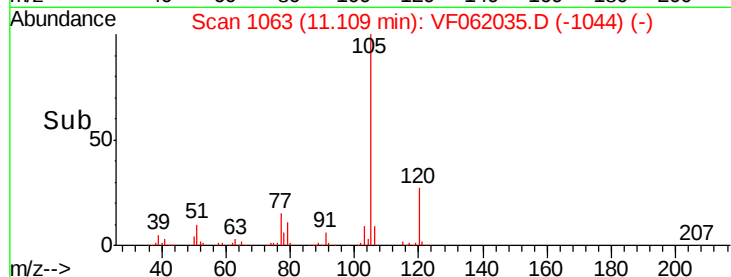
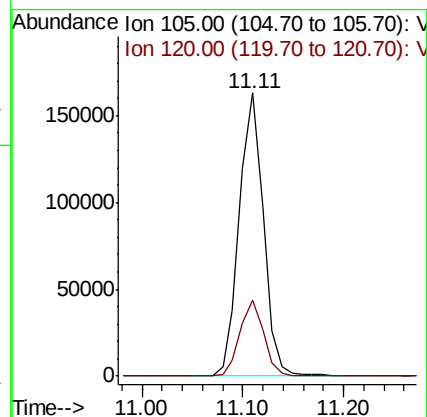
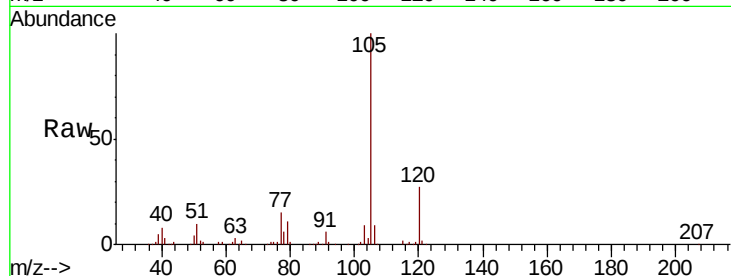
VF0320SBS01

Tgt Ion: 105 Resp: 272545

Ion Ratio Lower Upper

105 100

120 27.0 13.8 41.3



#74

N-ethyl acetate

Concen: 22.380 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Tgt Ion: 43 Resp: 63525

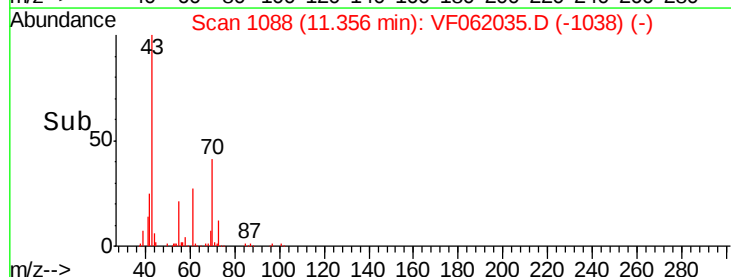
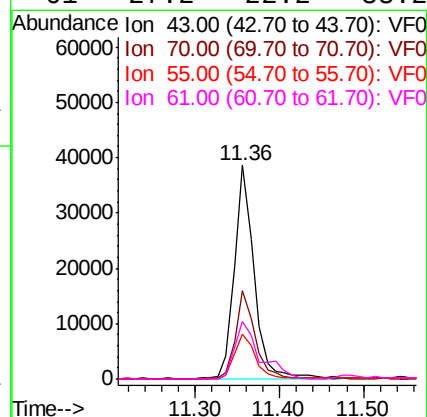
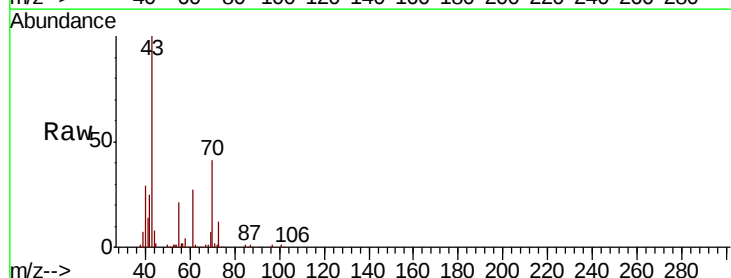
Ion Ratio Lower Upper

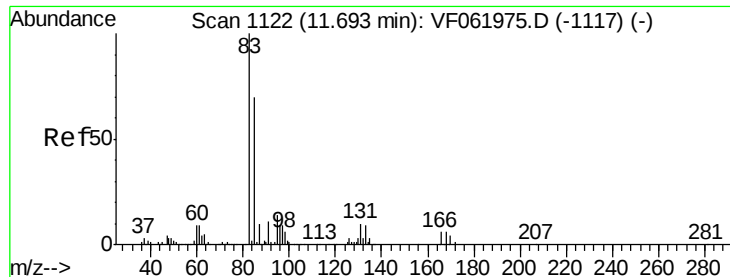
43 100

70 41.2 31.9 47.9

55 21.2 17.9 26.9

61 27.2 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.046 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

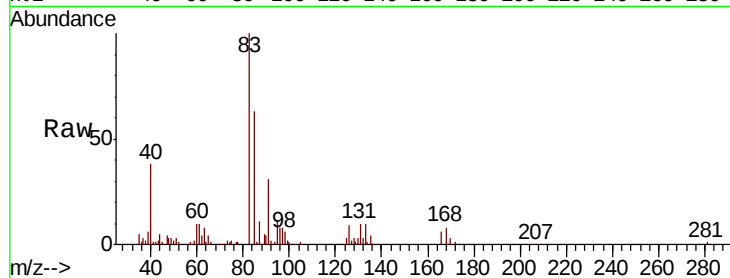
Tgt Ion: 83 Resp: 45079

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.7

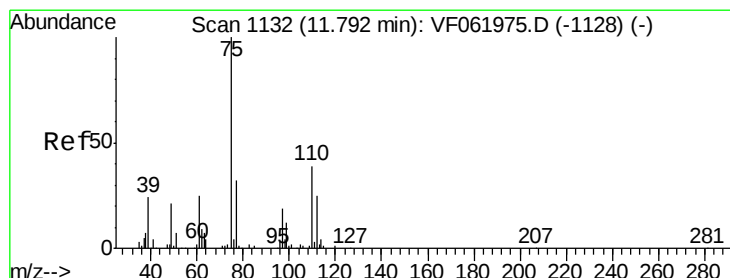
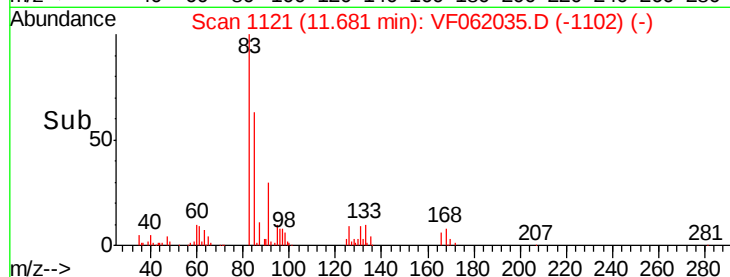
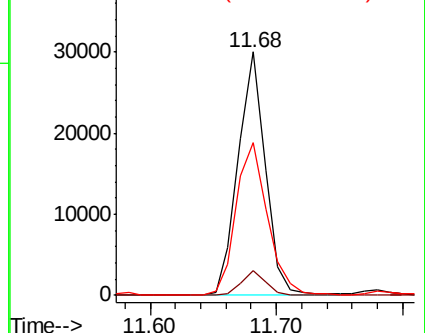
85 63.0 35.3 105.9



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: 22.061 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF062035.D

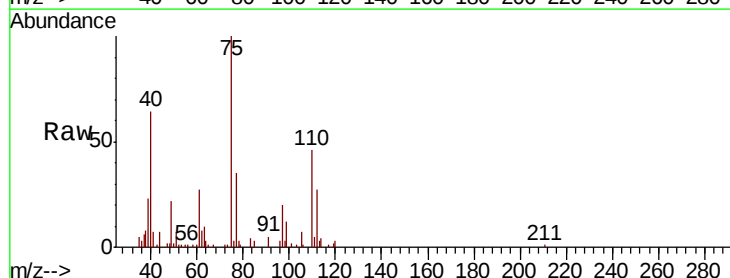
Acq: 20 Mar 2019 12:49

Tgt Ion: 75 Resp: 31543

Ion Ratio Lower Upper

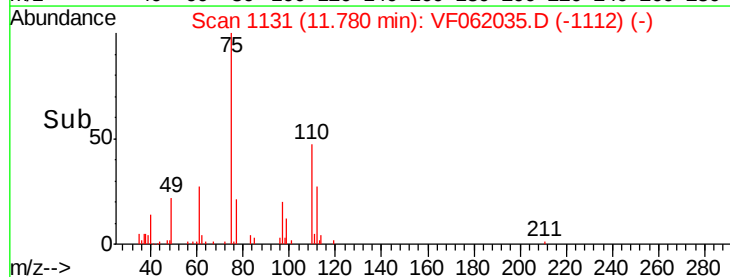
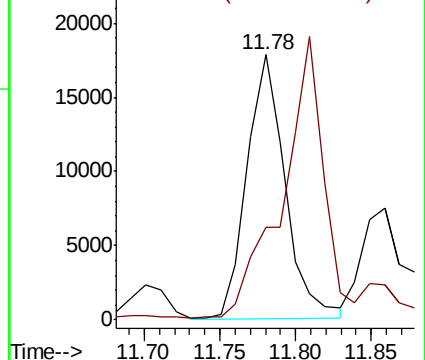
75 100

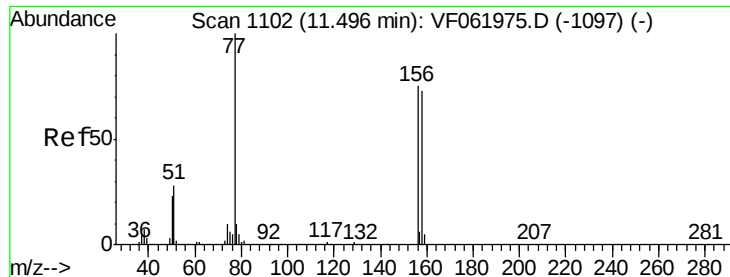
77 35.1 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.643 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

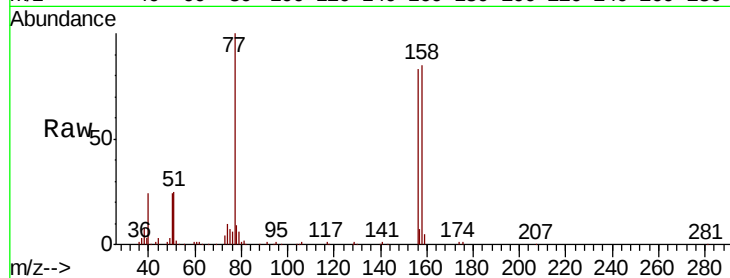
Tgt Ion:156 Resp: 62090

Ion Ratio Lower Upper

156 100

77 120.3 67.0 201.0

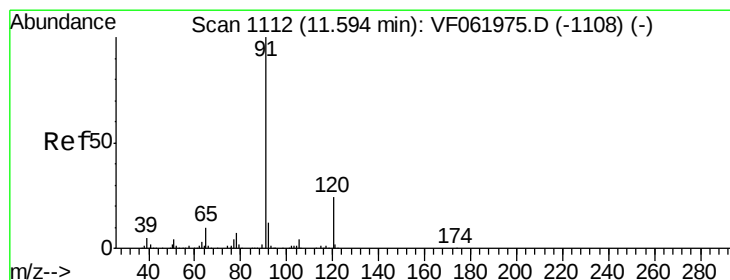
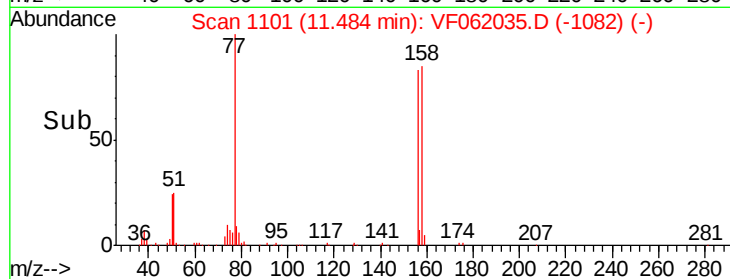
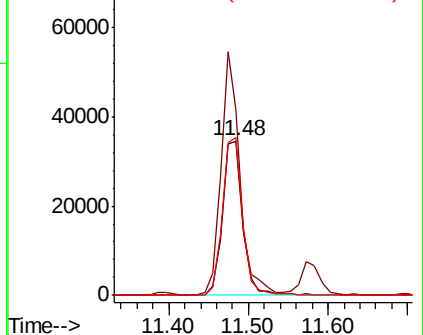
158 102.1 48.9 146.7



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: 21.759 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF062035.D

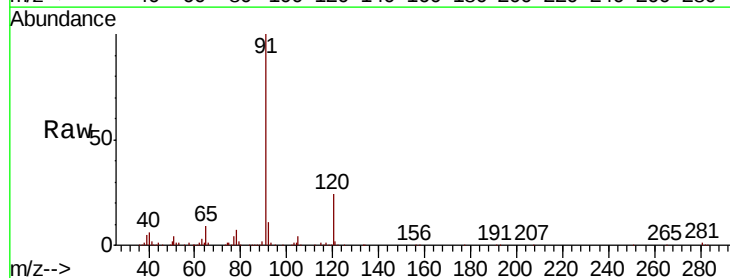
Acq: 20 Mar 2019 12:49

Tgt Ion: 91 Resp: 309934

Ion Ratio Lower Upper

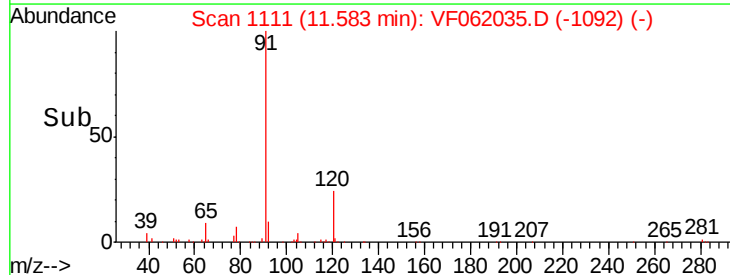
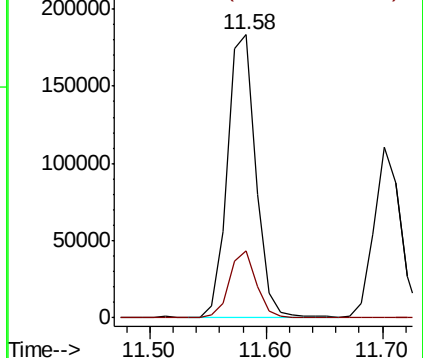
91 100

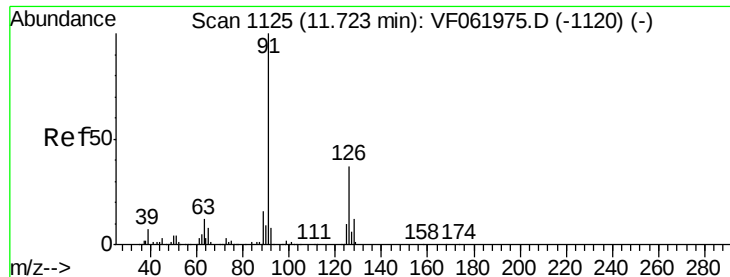
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.546 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

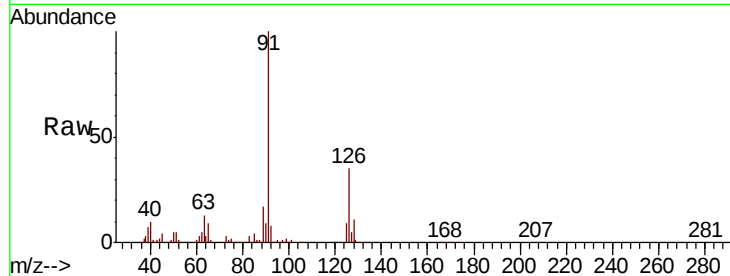
VF0320SBSD01

Tgt Ion: 91 Resp: 173229

Ion Ratio Lower Upper

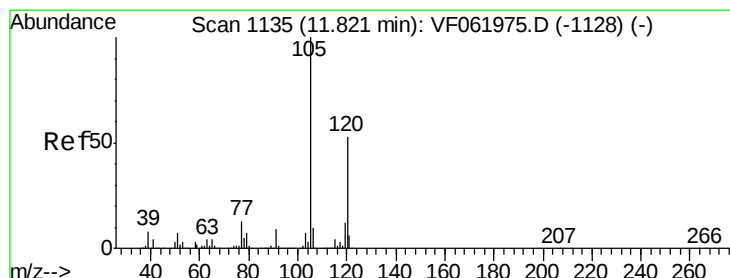
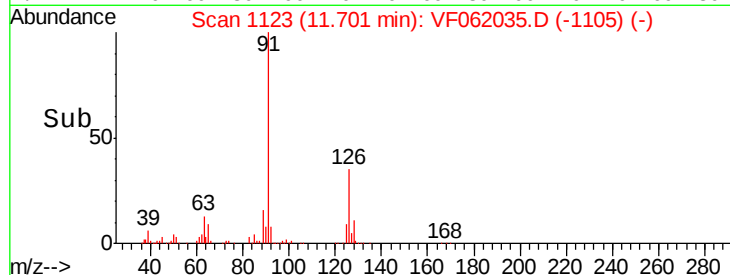
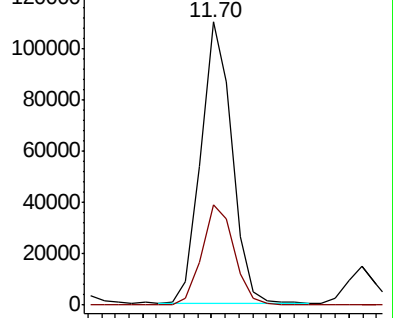
91 100

126 35.4 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 22.119 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF062035.D

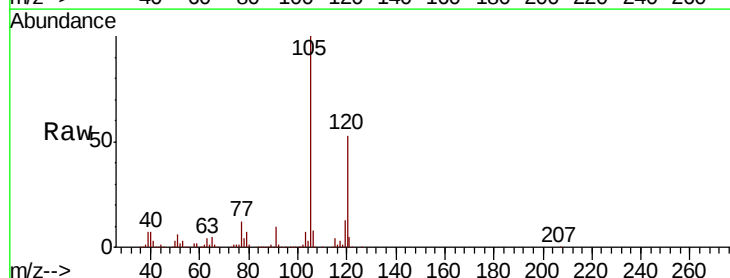
Acq: 20 Mar 2019 12:49

Tgt Ion: 105 Resp: 221335

Ion Ratio Lower Upper

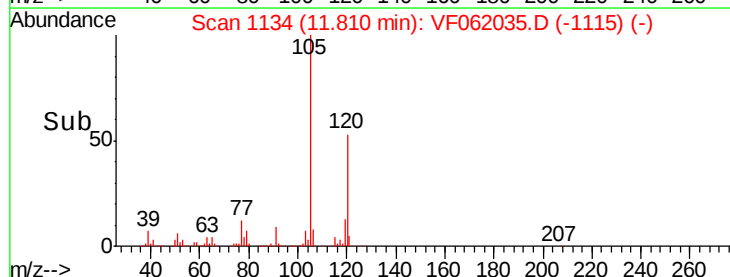
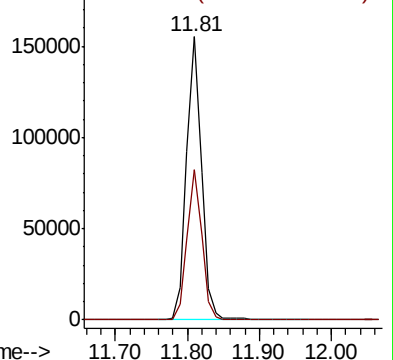
105 100

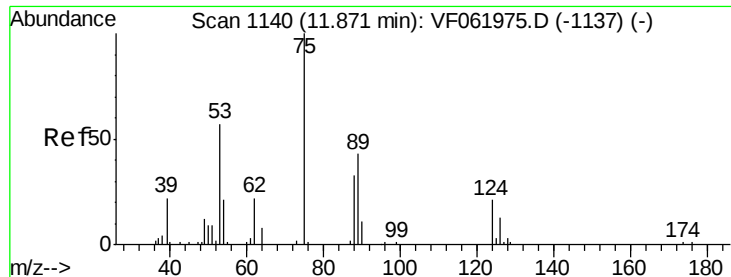
120 53.2 26.6 79.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 27.820 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

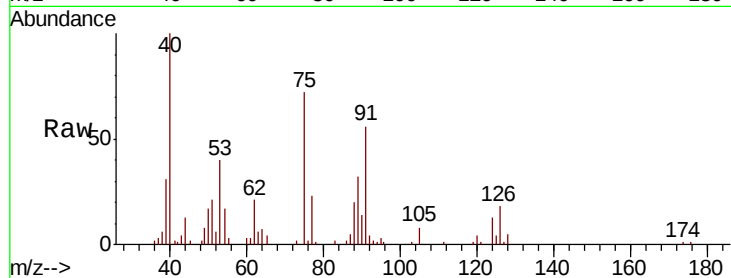
Tgt Ion: 75 Resp: 17597

Ion Ratio Lower Upper

75 100

53 55.7 49.0 73.6

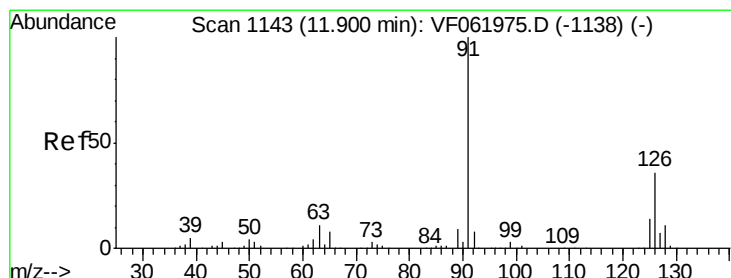
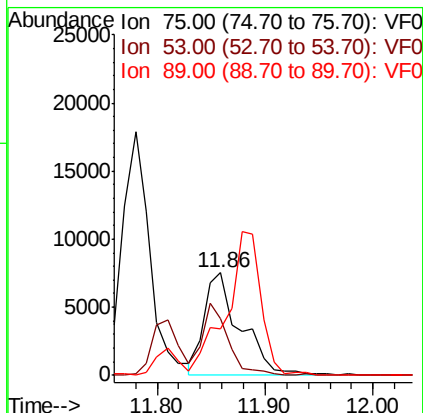
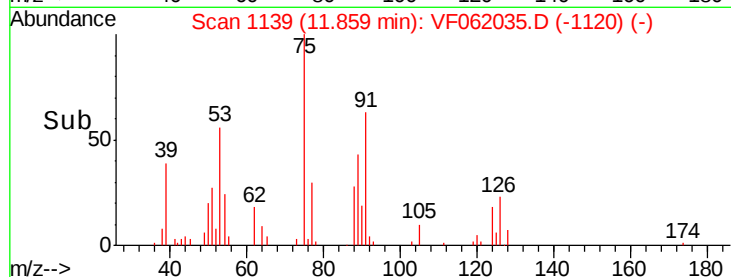
89 45.0 37.1 55.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 22.210 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062035.D

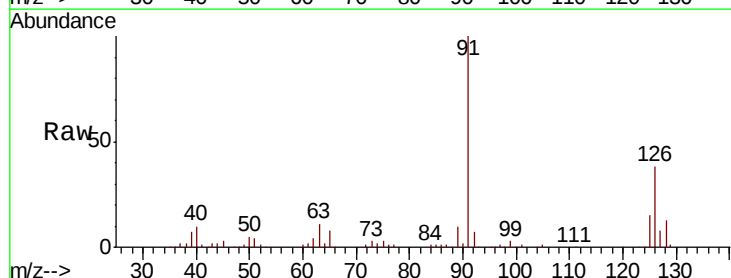
Acq: 20 Mar 2019 12:49

Tgt Ion: 91 Resp: 180583

Ion Ratio Lower Upper

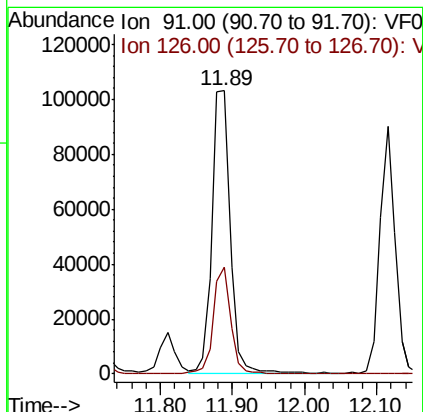
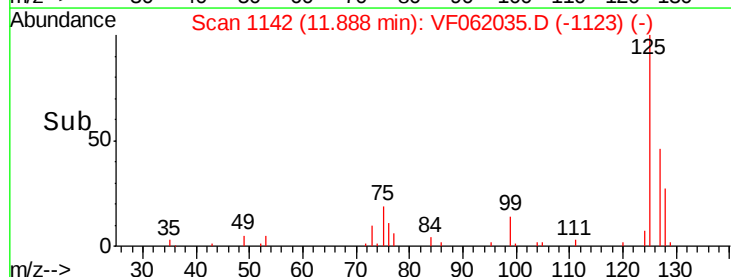
91 100

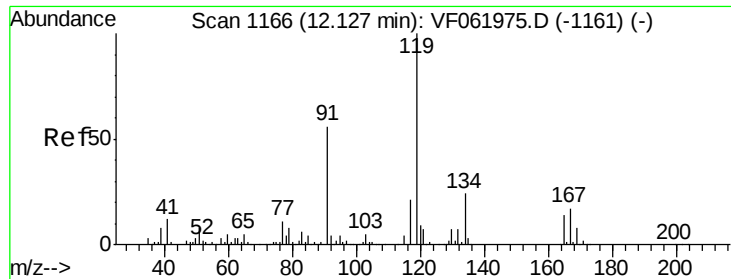
126 37.5 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

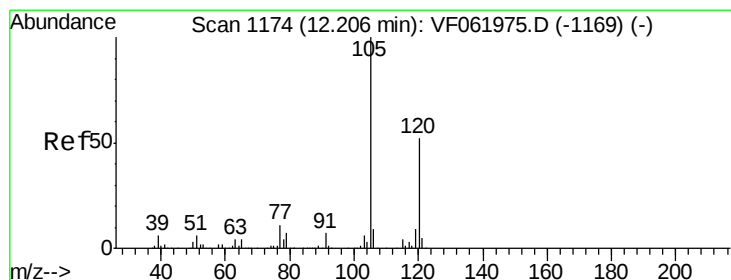
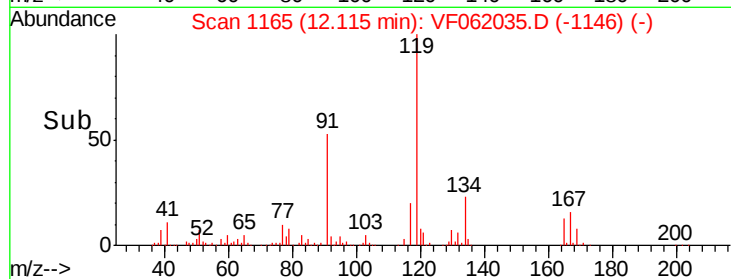
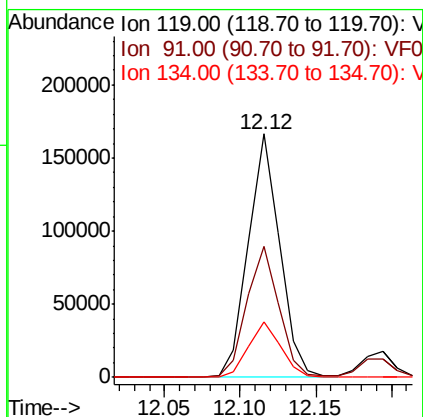
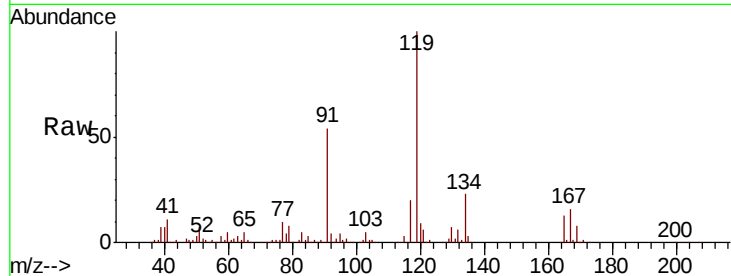




#83
 tert-Butylbenzene
 Concen: 23.190 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

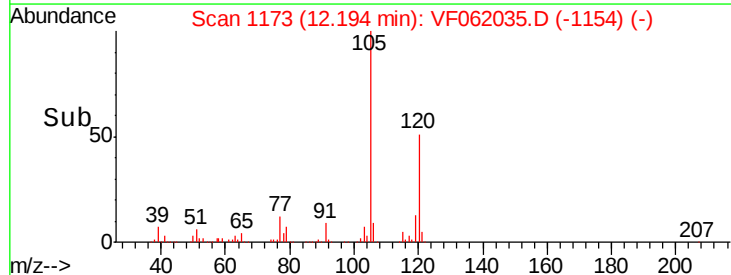
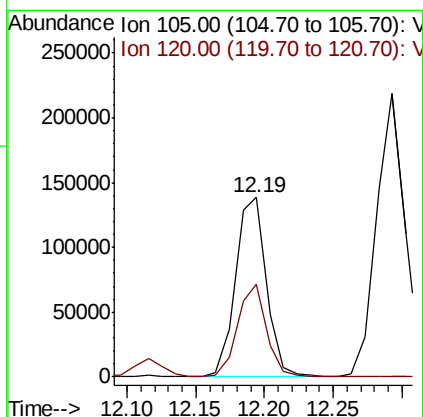
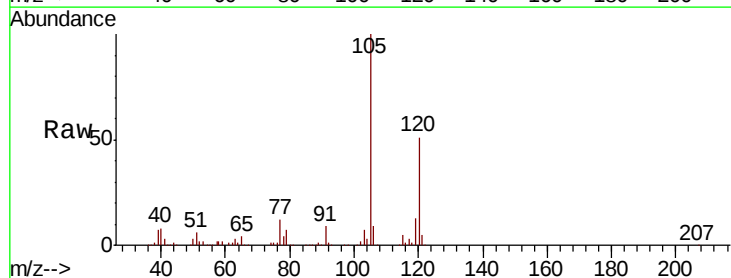
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

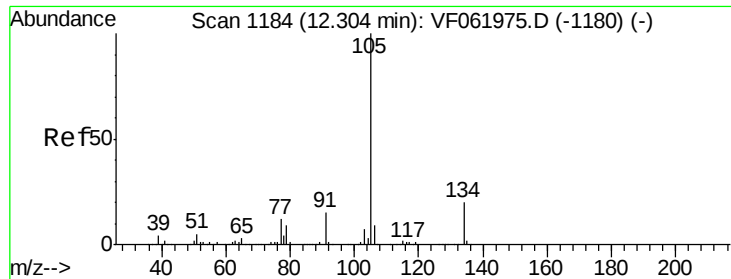
Tgt Ion:119 Resp: 242686
 Ion Ratio Lower Upper
 119 100
 91 54.0 27.9 83.6
 134 22.9 12.3 36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.714 ug/l
 RT: 12.19 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Tgt Ion:105 Resp: 217642
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.9 77.8

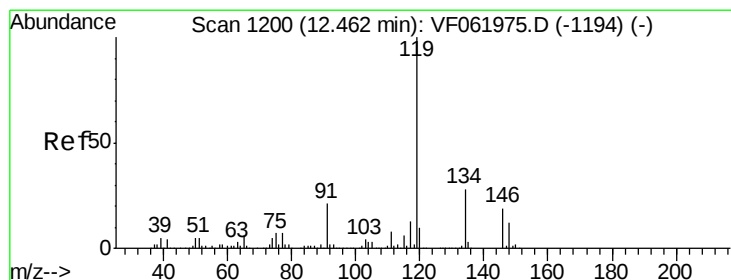
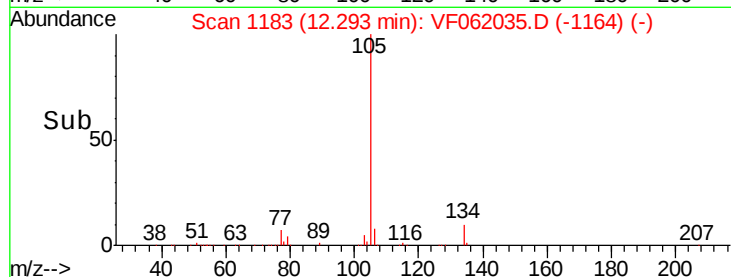
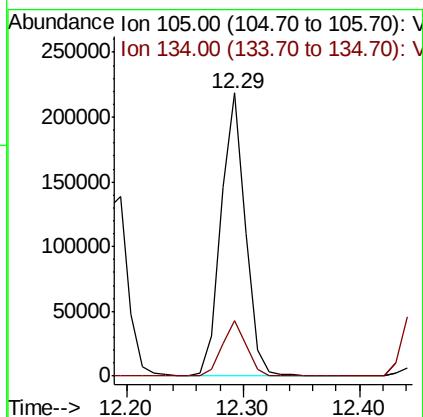
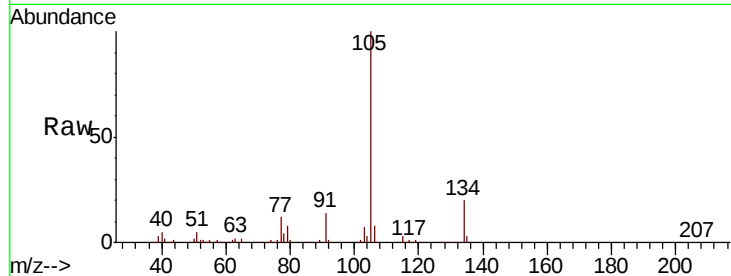




#85
 sec-Butylbenzene
 Concen: 22.355 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

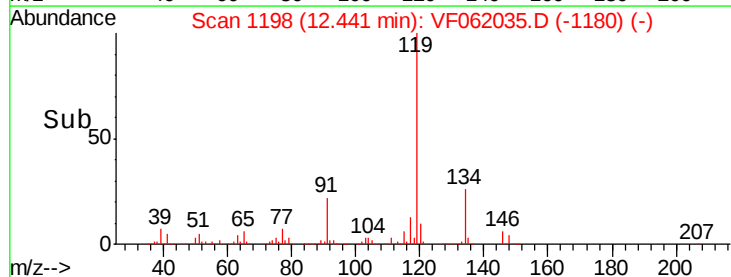
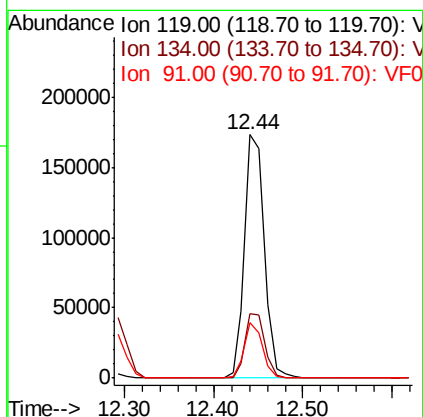
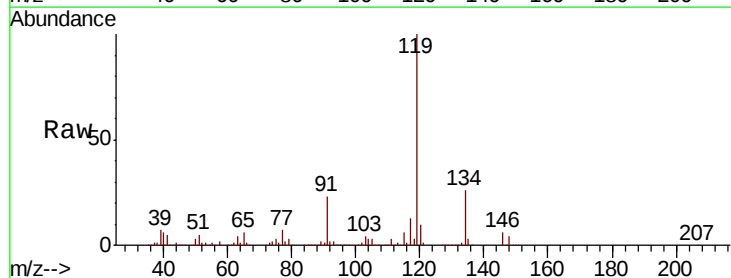
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

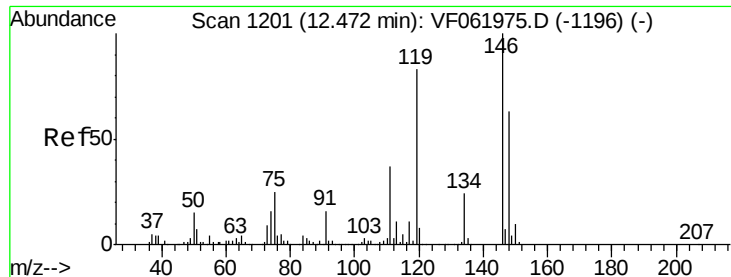
Tgt Ion:105 Resp: 316084
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 22.736 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Tgt Ion:119 Resp: 268245
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.9 41.7
 91 22.6 10.4 31.1

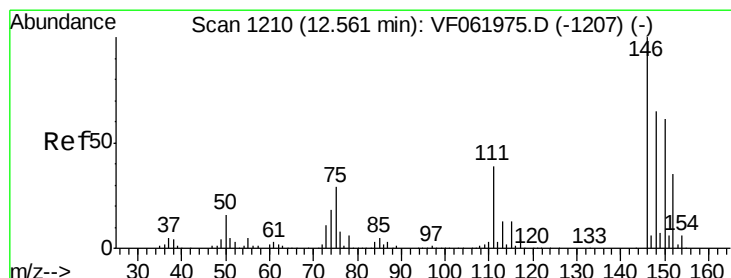
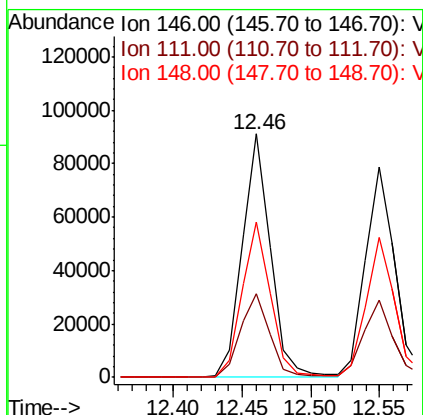
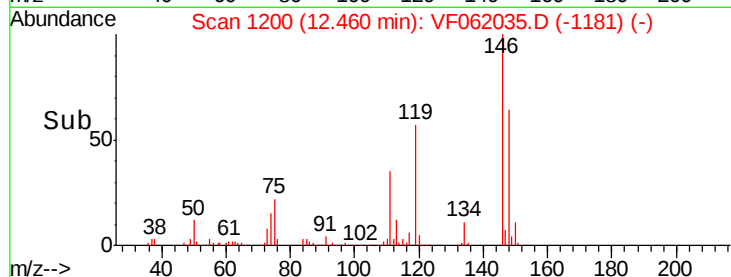
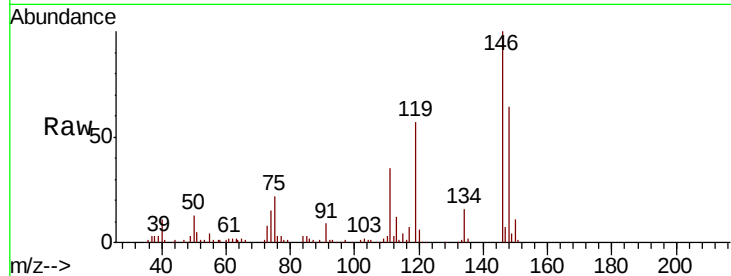




#87
 1,3-Dichlorobenzene
 Concen: 23.213 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

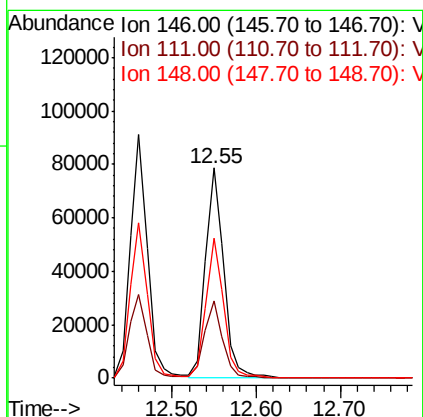
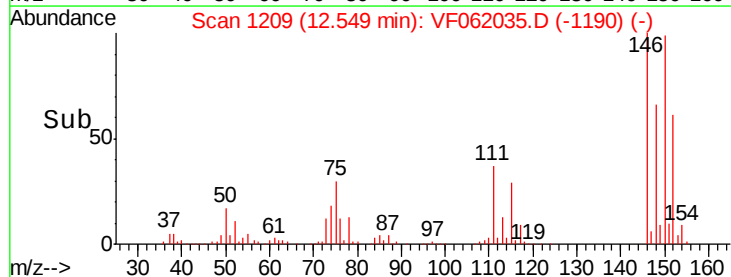
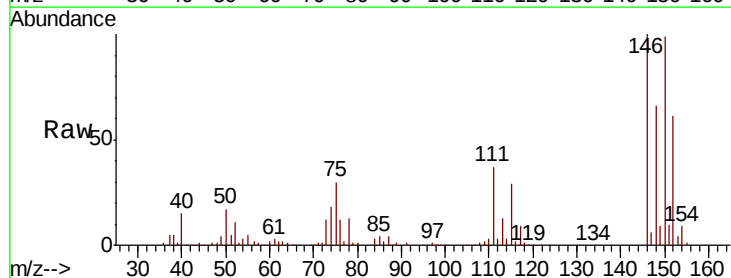
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

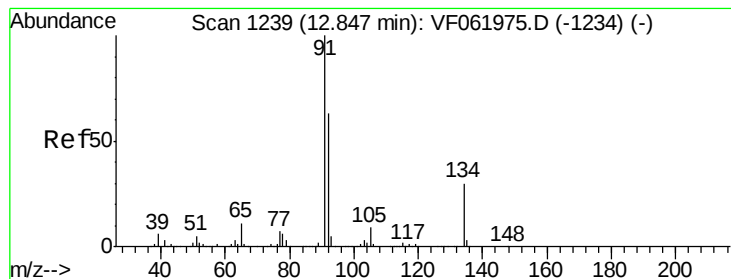
Tgt Ion:146 Resp: 130881
 Ion Ratio Lower Upper
 146 100
 111 34.6 18.6 55.8
 148 64.0 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 21.990 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Tgt Ion:146 Resp: 119336
 Ion Ratio Lower Upper
 146 100
 111 36.6 19.4 58.1
 148 66.5 32.4 97.0





#89

n-Butylbenzene

Concen: 23.714 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

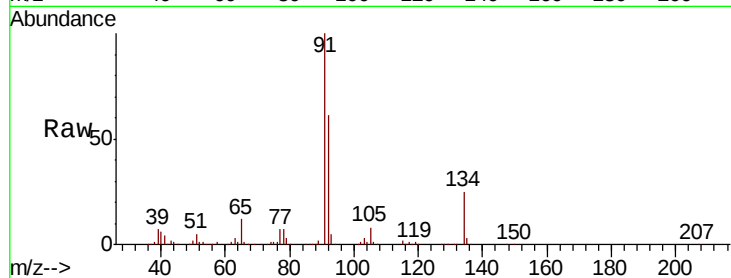
Tgt Ion: 91 Resp: 262903

Ion Ratio Lower Upper

91 100

92 60.6 31.7 95.1

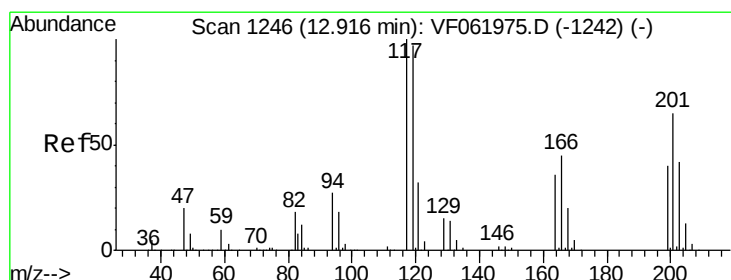
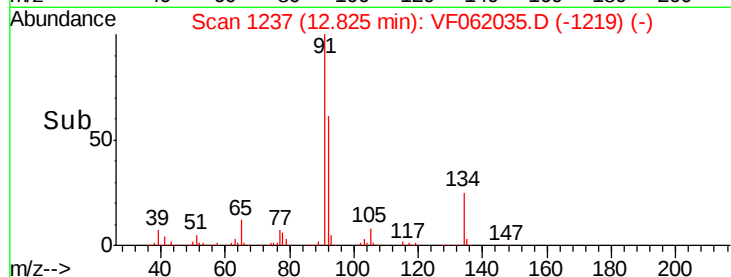
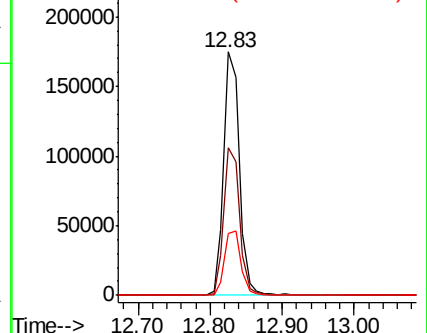
134 25.5 15.1 45.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 22.977 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VF062035.D

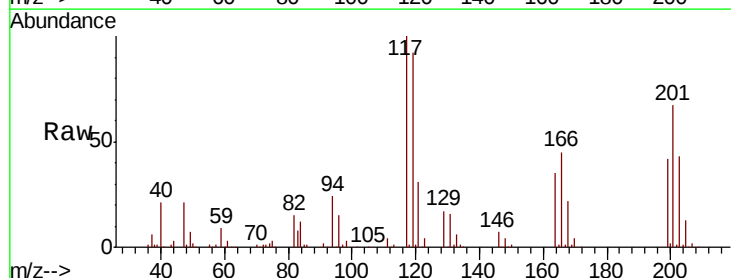
Acq: 20 Mar 2019 12:49

Tgt Ion: 117 Resp: 61866

Ion Ratio Lower Upper

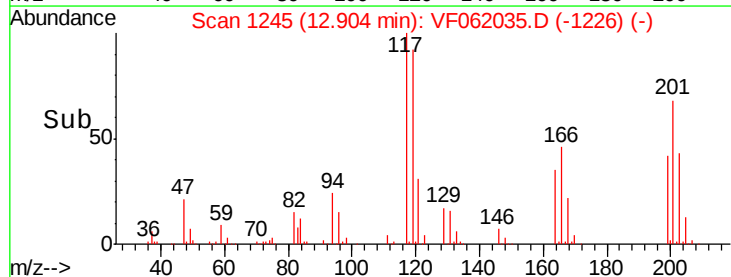
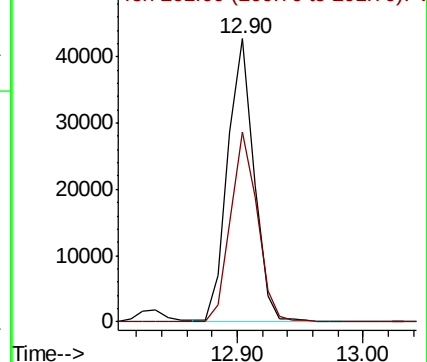
117 100

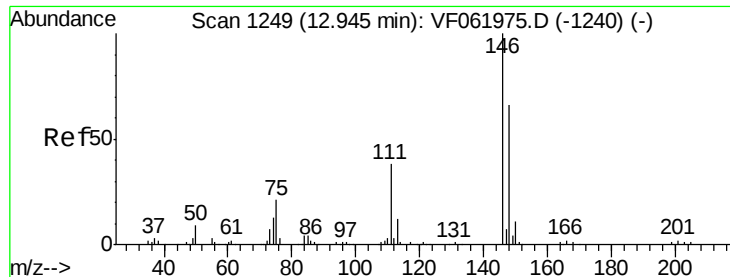
201 67.3 32.5 97.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 22.390 ug/l

RT: 12.92 min Scan# 1247

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

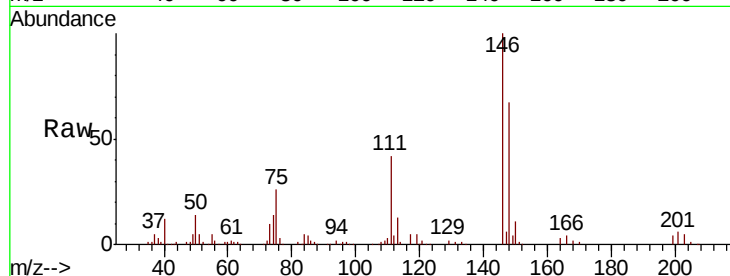
Tgt Ion:146 Resp: 116923

Ion Ratio Lower Upper

146 100

111 41.7 18.9 56.5

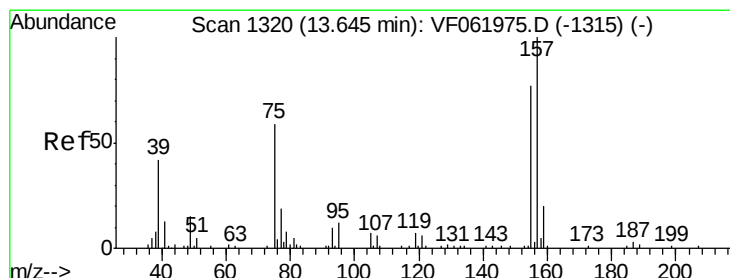
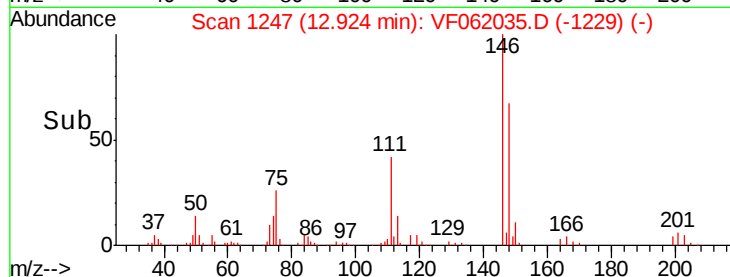
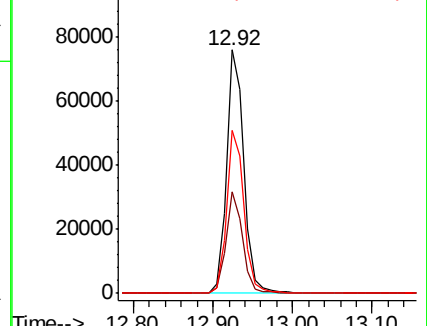
148 66.7 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.885 ug/l

RT: 13.62 min Scan# 1318

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

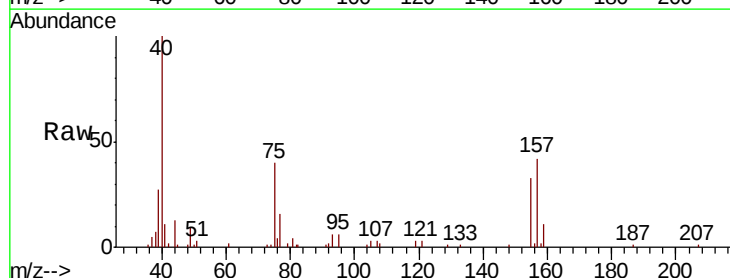
Tgt Ion: 75 Resp: 6853

Ion Ratio Lower Upper

75 100

155 83.5 65.0 195.1

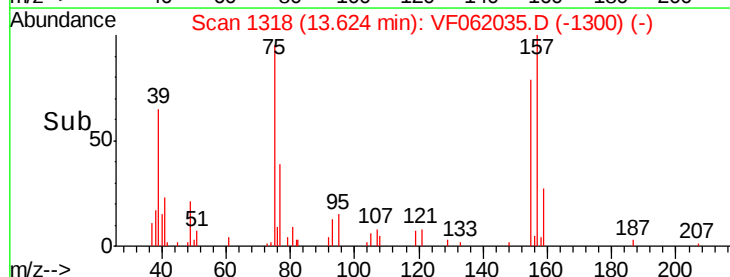
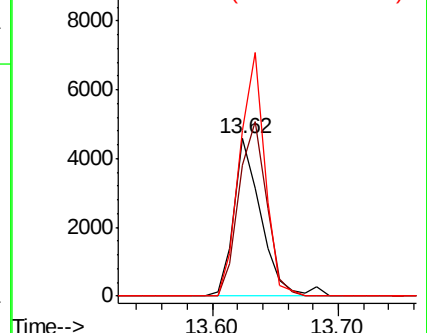
157 105.2 84.7 254.0

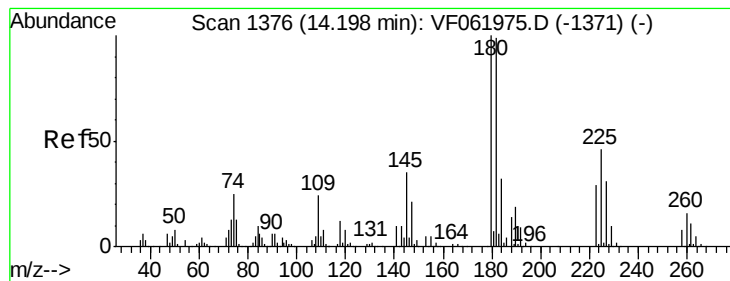


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 22.651 ug/l

RT: 14.19 min Scan# 1375

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

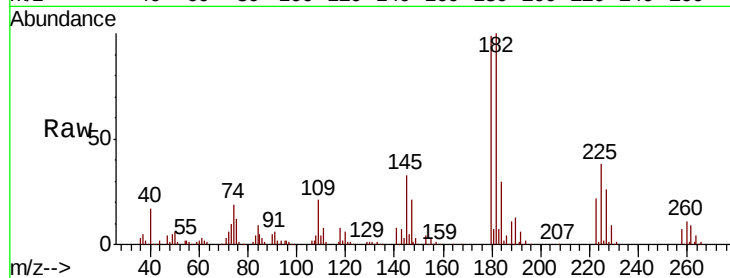
Tgt Ion:180 Resp: 82369

Ion Ratio Lower Upper

180 100

182 101.5 49.6 149.0

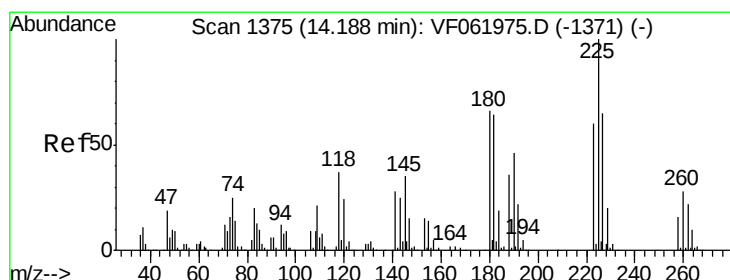
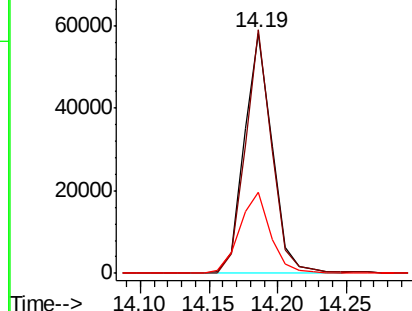
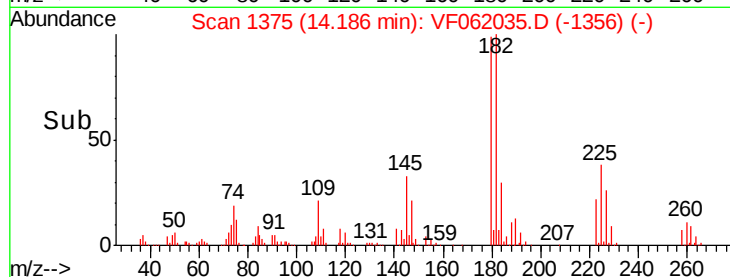
145 33.7 17.5 52.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 22.405 ug/l

RT: 14.18 min Scan# 1374

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

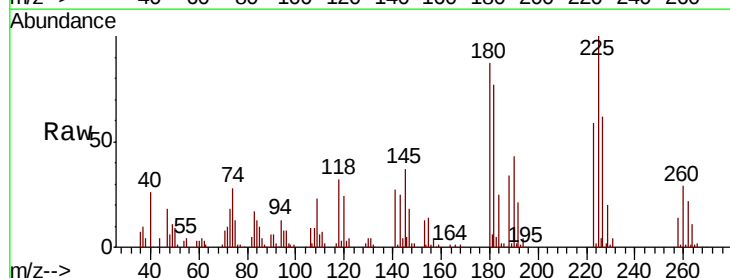
Tgt Ion:225 Resp: 54090

Ion Ratio Lower Upper

225 100

223 59.1 29.9 89.7

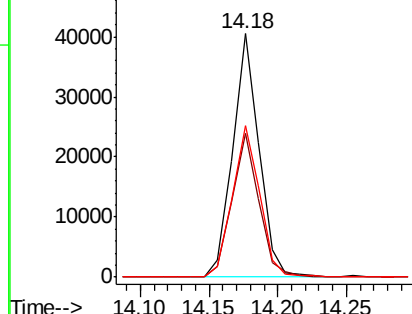
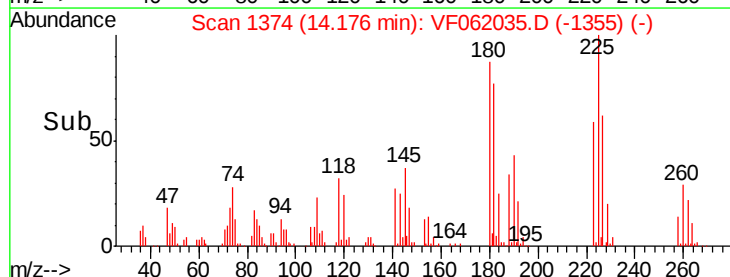
227 62.3 32.4 97.2

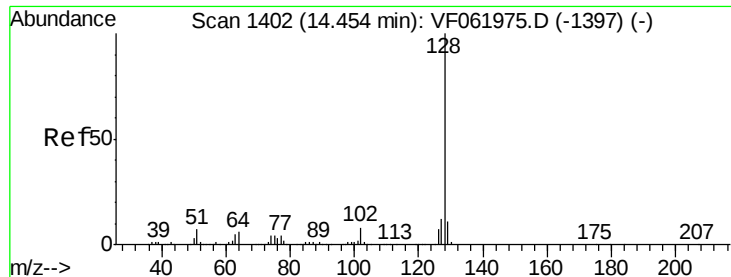


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

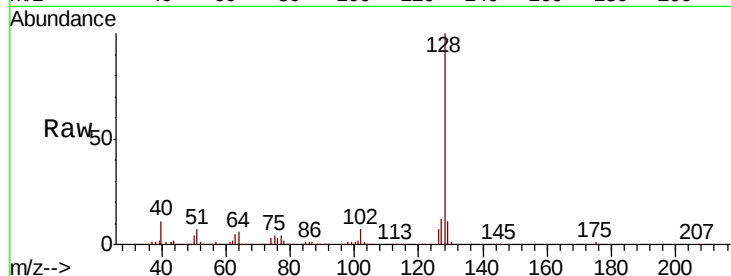




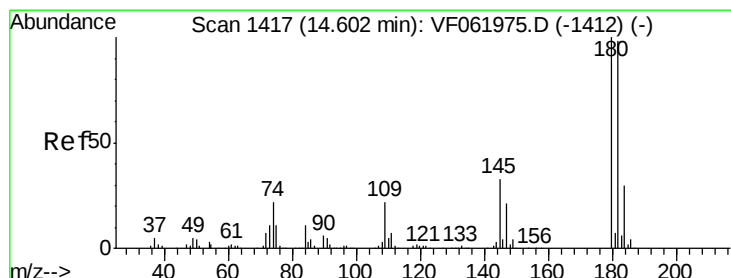
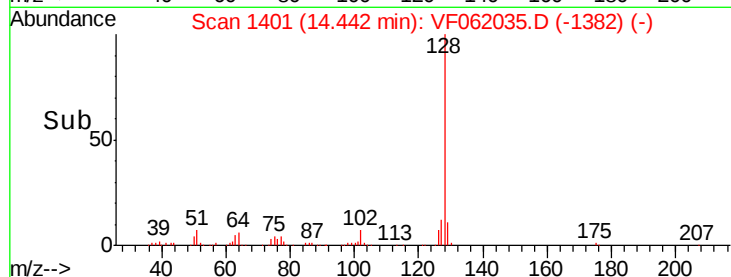
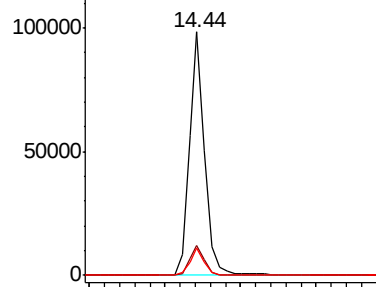
#95
Naphthalene
Concen: 21.309 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tgt Ion:128 Resp: 139368
Ion Ratio Lower Upper
128 100
127 12.0 9.3 13.9
129 11.3 9.1 13.7

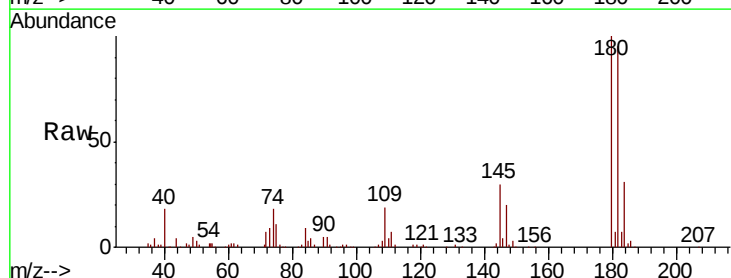


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 23.064 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion:180 Resp: 77162
Ion Ratio Lower Upper
180 100
182 95.1 48.9 146.8
145 30.3 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

