

Data Path : W:\HPCHEM1\MSVOA I\DATA\VI082417\
 Data File : VI051960.D
 Acq On : 24 Aug 2017 15:13
 Operator : FY/SY
 Sample : VSTD2.5
 Misc : 5.00g/10mL/MSVOA I/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 25 08:15:22 2017
 Quant Method : W:\HPCHEM1\MSVOA_I\METHODS\SOM2ILM082417S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 25 08:14:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	7.93	114	728420	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.22	117	817385	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	384552	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.70	65	23524	2.53	ug/L	0.00
7) Chloroethane-d5	2.08	69	14822	2.47	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.93	63	51741	2.65	ug/L	0.00
20) 2-Butanone-d5	5.66	46	12662	3.95	ug/L	0.00
24) Chloroform-d	6.37	84	42479	2.30	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.22	65	27202	2.74	ug/L	0.00
29) Benzene-d6	7.16	84	82902	2.49	ug/L	0.00
33) 1,2-Dichloropropane-d6	8.43	67	26185	2.37	ug/L	0.00
37) Toluene-d8	9.69	98	92459	2.45	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.01	79	9634	2.41	ug/L	0.00
39) 2-Hexanone-d5	10.42	63	18082	4.62	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.45	84	36496	2.38	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.76	152	44038	2.76	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.43	85	33557	2.58	ug/L	99
5) Vinyl chloride	1.70	62	27146	2.63	ug/L	96
6) Bromomethane	2.00	94	27753	3.99	ug/L	89
8) Chloroethane	2.11	64	14548	2.94	ug/L	95
9) Trichlorofluoromethane	2.37	101	36501	2.23	ug/L	93
11) 1,1,2-Trichloro-1,2,2-trif	2.97	101	23919	2.72	ug/L	89
12) 1,1-Dichloroethene	2.94	96	20639	2.52	ug/L	79
13) Acetone	2.99	43	20474	6.28	ug/L	100
14) Carbon disulfide	3.20	76	73438	2.52	ug/L #	93
15) Methyl Acetate	3.40	43	18344	2.81	ug/L	98
16) Methylene chloride	3.58	84	29551	2.65	ug/L	98
17) Methyl tert-butyl Ether	3.97	73	57088	2.69	ug/L #	91
18) trans-1,2-Dichloroethene	3.98	96	24228	2.84	ug/L	98
19) 1,1-Dichloroethane	4.70	63	43096	2.55	ug/L	98
21) 2-Butanone	5.77	43	25726	6.16	ug/L	96
22) cis-1,2-Dichloroethene	5.76	96	27400	2.66	ug/L	89
23) Bromochloromethane	6.19	128	16350	3.44	ug/L	92
25) Chloroform	6.41	83	43072	2.28	ug/L	98
27) 1,2-Dichloroethane	7.35	62	32535	2.30	ug/L #	95
30) Cyclohexane	6.76	56	33624	2.31	ug/L	89
34) Benzene	7.22	78	83410	2.41	ug/L	100
35) Trichloroethene	8.21	95	31650	2.56	ug/L	98
36) Methylcyclohexane	8.50	83	41007	2.50	ug/L	95
40) 1,2-Dichloropropane	8.54	63	27048	2.63	ug/L #	94
41) Bromodichloromethane	8.88	83	19909	2.01	ug/L #	97
42) cis-1,3-Dichloropropene	9.41	75	24593	2.32	ug/L	93
43) 4-Methyl-2-pentanone	9.57	43	65348	5.09	ug/L	96
44) Toluene	9.77	91	126639	2.71	ug/L	99
45) trans-1,3-Dichloropropene	10.05	75	22853	2.39	ug/L #	83
46) 1,1,2-Trichloroethane	10.25	97	29565	2.77	ug/L	96

Data Path : W:\HPCHEM1\MSVOA I\DATA\VI082417\
 Data File : VI051960.D
 Acq On : 24 Aug 2017 15:13
 Operator : FY/SY
 Sample : VSTD2.5
 Misc : 5.00g/10mL/MSVOA I/SOIL
 ALS Vial : 2 Sample Multiplier: 1

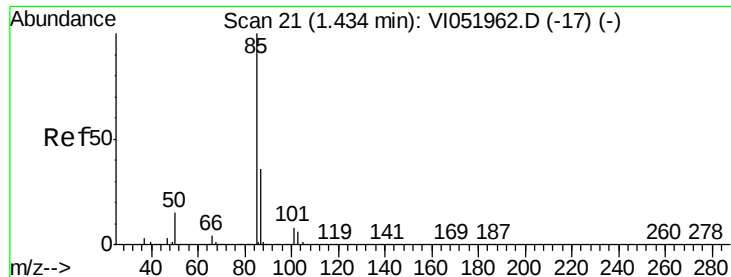
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 25 08:15:22 2017
 Quant Method : W:\HPCHEM1\MSVOA_I\METHODS\SOM2ILM082417S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 25 08:14:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

47) Tetrachloroethene	10.32	164	29915	2.49	ug/L	92
49) 2-Hexanone	10.48	43	46619	4.94	ug/L #	95
50) Dibromochloromethane	10.64	129	21562	2.37	ug/L	97
51) 1,2-Dibromoethane	10.75	107	29696	3.57	ug/L	91
52) Chlorobenzene	11.25	112	95003	2.60	ug/L	96
53) Ethylbenzene	11.34	91	156585	2.79	ug/L	99
54) m,p-Xylene	11.47	106	64280	2.75	ug/L	98
55) o-xylene	11.84	106	60811	2.70	ug/L	97
56) Styrene	11.86	104	105150	2.80	ug/L	96
57) Isopropylbenzene	12.19	105	170102	2.95	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.48	83	40103	2.49	ug/L	99
59) 1,2,3-Trichloropropane	12.54	75	28842	2.89	ug/L	99
62) Bromoform	12.04	173	13420	2.03	ug/L #	92
63) 1,3-Dichlorobenzene	13.35	146	78958	2.86	ug/L	98
64) 1,4-Dichlorobenzene	13.45	146	81562	2.91	ug/L	96
65) 1,2-Dichlorobenzene	13.77	146	80152	3.06	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.46	75	8170	3.32	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.63	180	69234	3.01	ug/L	95
68) 1,2,4-trichlorobenzene	15.19	180	55976	2.97	ug/L	96
69) Naphthalene	15.46	128	89575	2.84	ug/L	98
70) 1,2,3-Trichlorobenzene	15.66	180	49118	3.03	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 2.58 ug/L

RT: 1.43 min Scan# 21

Delta R.T. -0.00 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

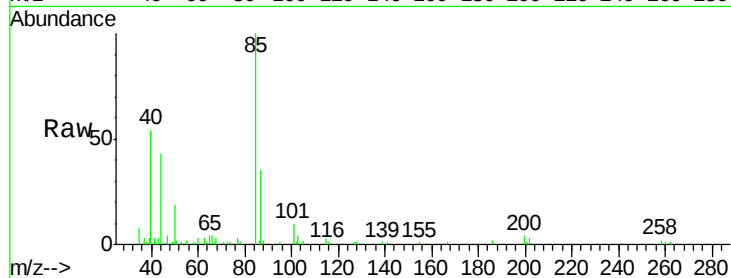
ClientSampleId :

Tot Ion: 85 Resp: 33557

Ion Ratio Lower Upper

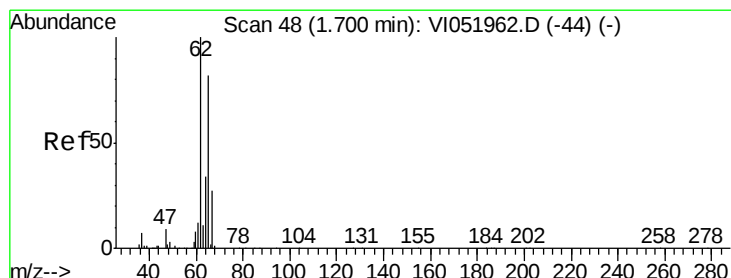
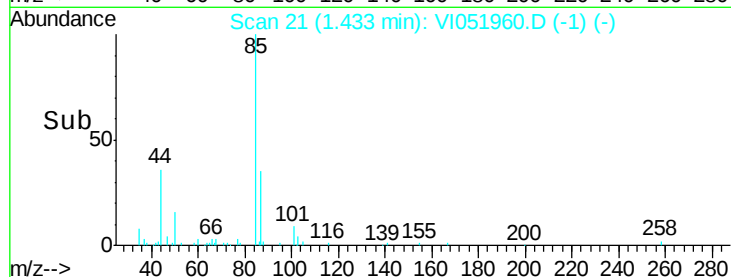
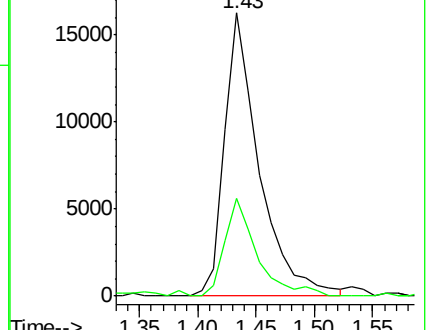
85 100

87 31.9 22.8 42.4



Abundance Ion 85.00 (84.70 to 85.70): VI051960.D (-17) (-)

Ion 87.00 (86.70 to 87.70): VI051960.D (-17) (-)



#5

Vinyl chloride

Concen: 2.63 ug/L

RT: 1.70 min Scan# 48

Delta R.T. -0.00 min

Lab File: VI051960.D

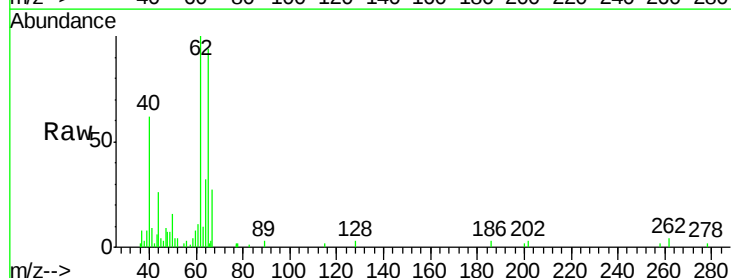
Acq: 24 Aug 2017 15:13

Tgt Ion: 62 Resp: 27146

Ion Ratio Lower Upper

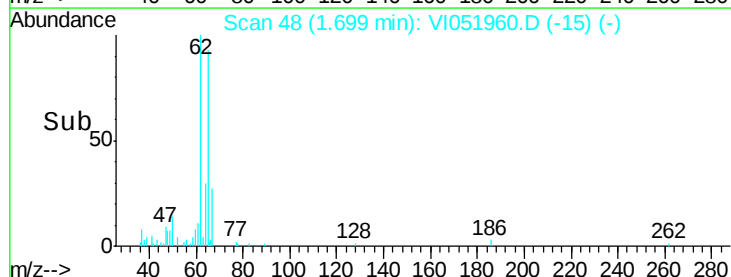
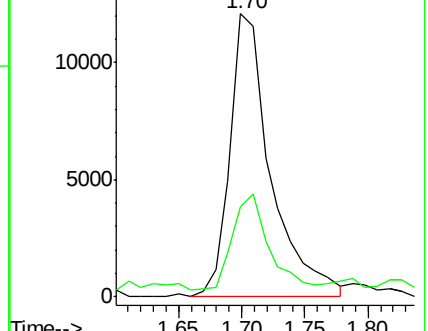
62 100

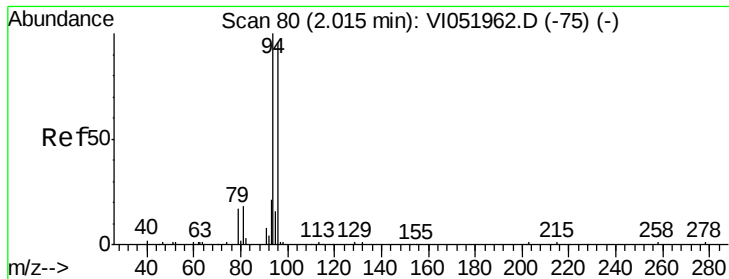
64 32.0 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VI051960.D (-44) (-)

Ion 64.00 (63.70 to 64.70): VI051960.D (-44) (-)





#6

Bromomethane

Concen: 3.99 ug/L

RT: 2.00 min Scan# 79

Delta R.T. -0.01 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

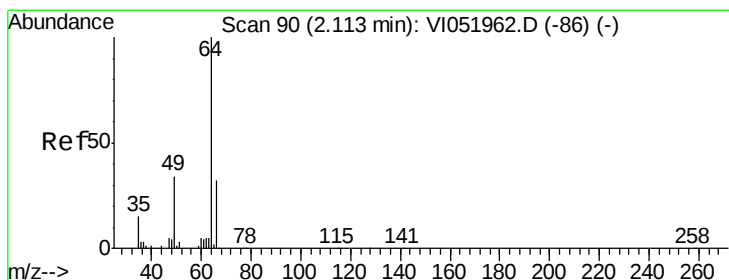
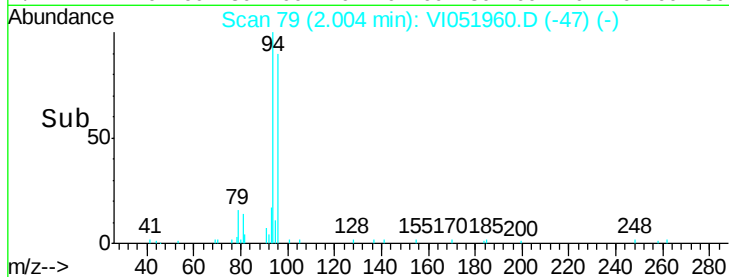
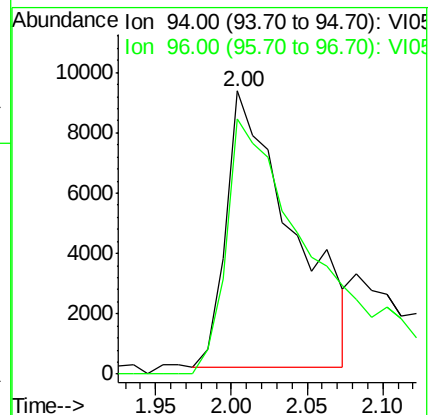
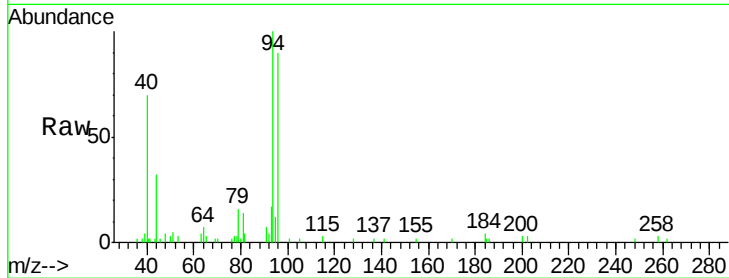
ClientSampleId :

Tot Ion: 94 Resp: 27753

Ion Ratio Lower Upper

94 100

96 110.9 10.0 190.2



#8

Chloroethane

Concen: 2.94 ug/L

RT: 2.11 min Scan# 90

Delta R.T. -0.00 min

Lab File: VI051960.D

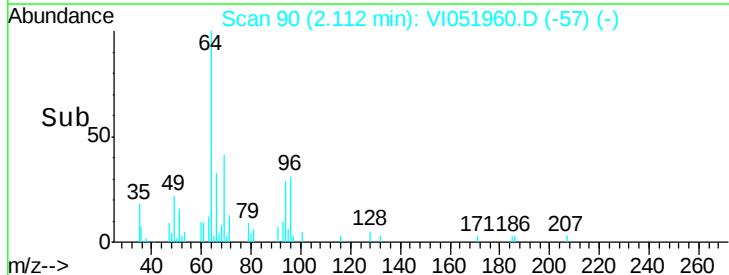
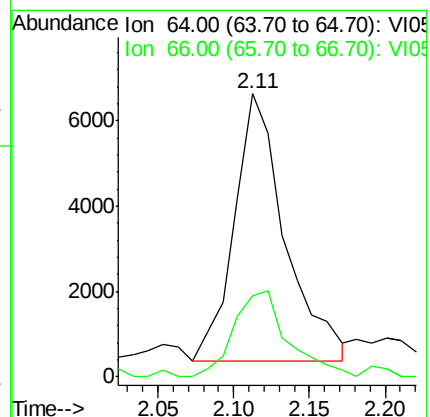
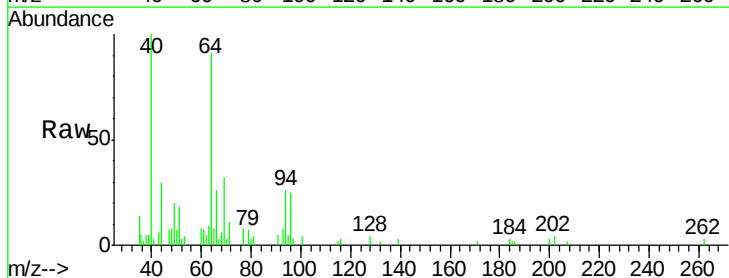
Acq: 24 Aug 2017 15:13

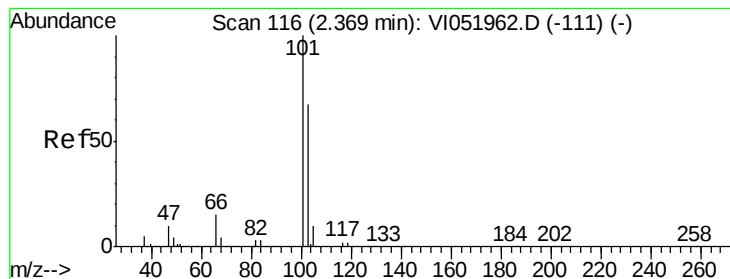
Tgt Ion: 64 Resp: 14548

Ion Ratio Lower Upper

64 100

66 28.6 22.1 41.1





#9

Trichlorofluoromethane

Concen: 2.23 ug/L

RT: 2.37 min Scan# 116

Delta R.T. -0.00 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

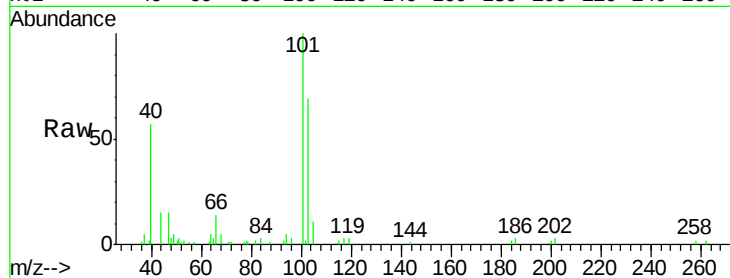
ClientSampled :

Tot Ion:101 Resp: 36501

Ion Ratio Lower Upper

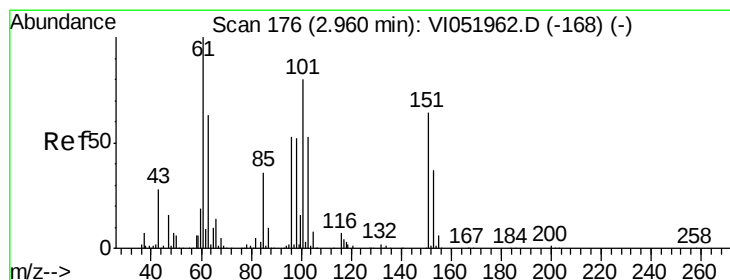
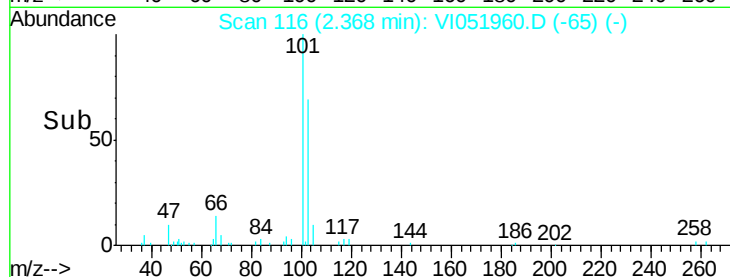
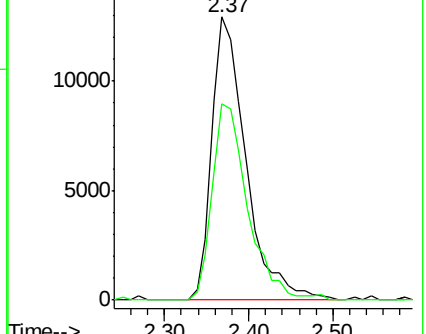
101 100

103 71.5 46.2 85.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.72 ug/L

RT: 2.97 min Scan# 177

Delta R.T. 0.01 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

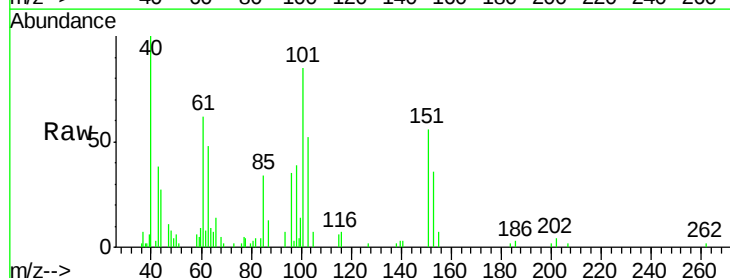
Tgt Ion:101 Resp: 23919

Ion Ratio Lower Upper

101 100

85 39.6 35.2 52.8

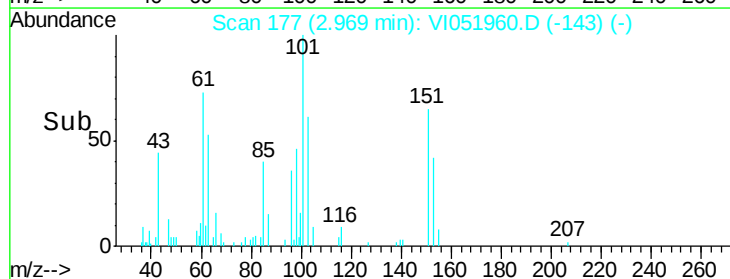
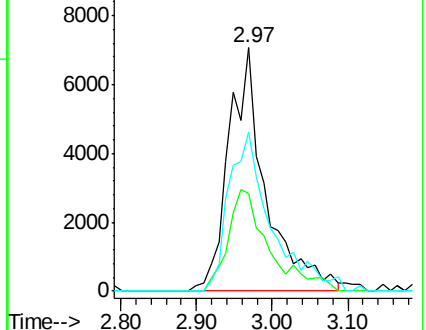
151 68.2 64.2 96.4

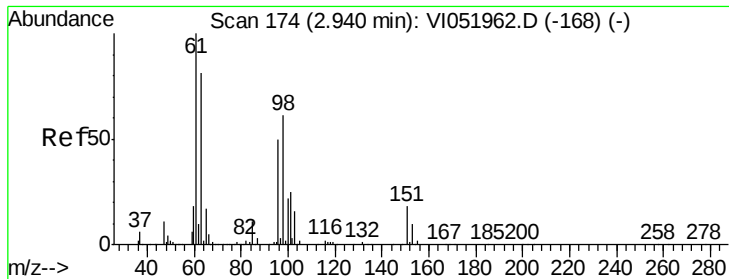


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VI05

Ion 151.00 (150.70 to 151.70): V

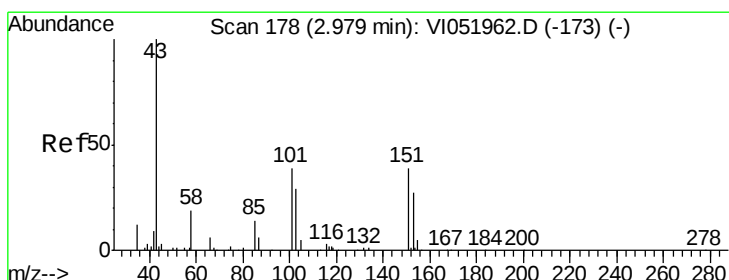
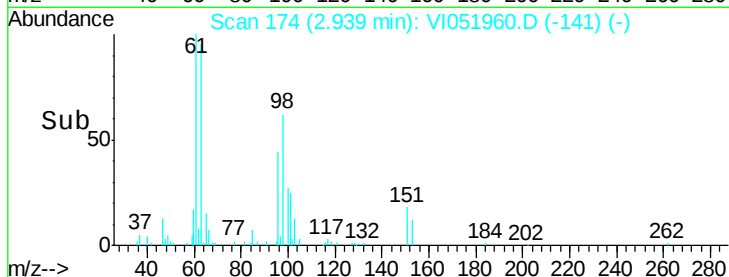
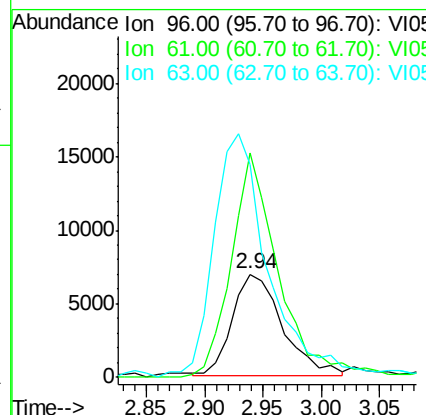
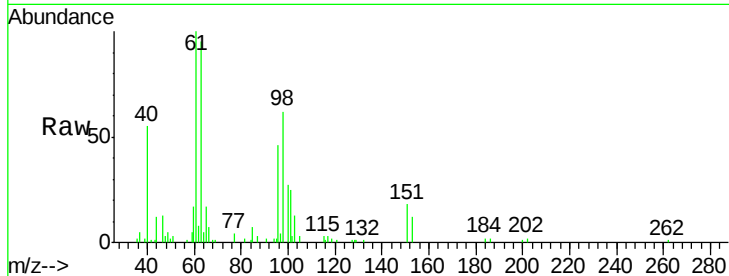




#12
 1,1-Dichloroethene
 Concen: 2.52 ug/L
 RT: 2.94 min Scan# 174
 Delta R.T. -0.00 min
 Lab File: VI051960.D
 Acq: 24 Aug 2017 15:13

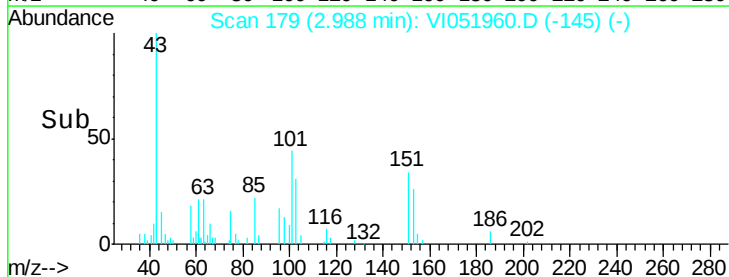
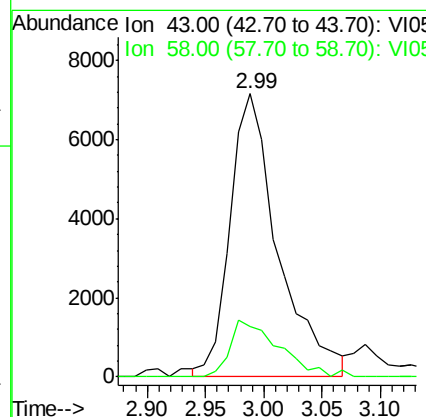
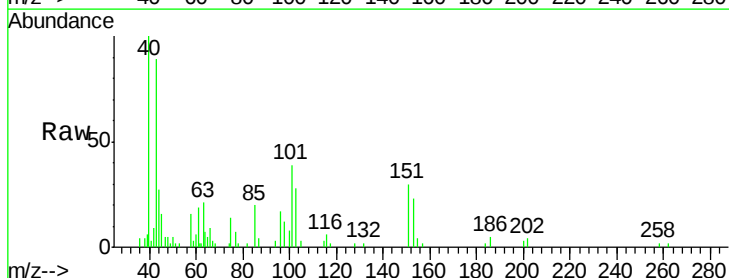
Instrument :
 BNA_F
 ClientSampleId :

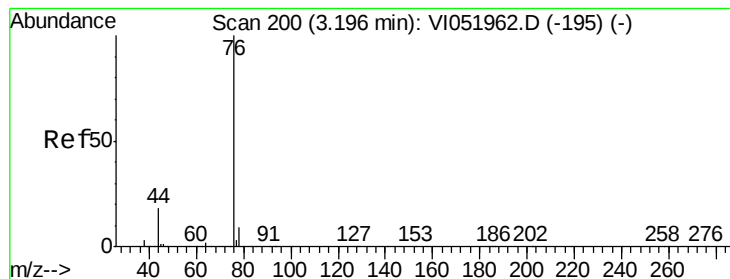
Tot Ion	96	Resp	20639
Ion	Ratio	Lower	Upper
96	100		
61	216.7	139.4	258.8
63	206.5	114.7	213.1



#13
 Acetone
 Concen: 6.28 ug/L
 RT: 2.99 min Scan# 179
 Delta R.T. 0.01 min
 Lab File: VI051960.D
 Acq: 24 Aug 2017 15:13

Tgt Ion	43	Resp	20474
Ion	Ratio	Lower	Upper
43	100		
58	20.0	0.0	40.2





#14

Carbon disulfide

Concen: 2.52 ug/L

RT: 3.20 min Scan# 201

Delta R.T. 0.01 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

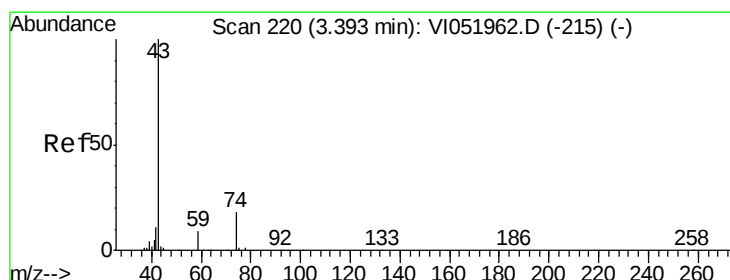
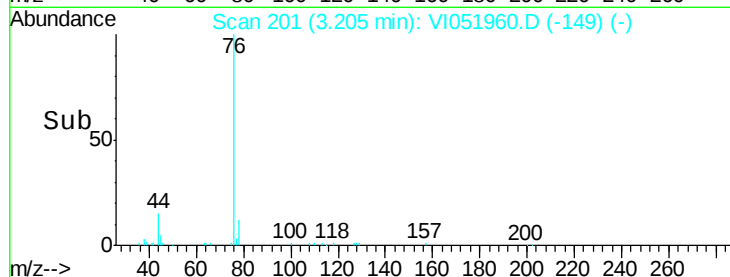
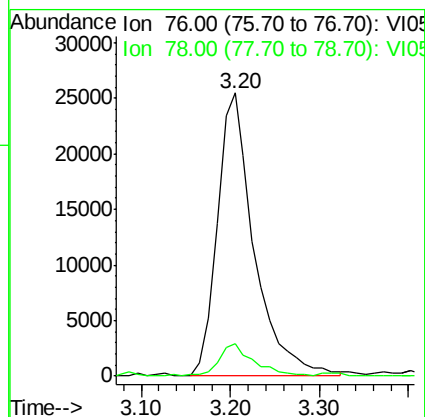
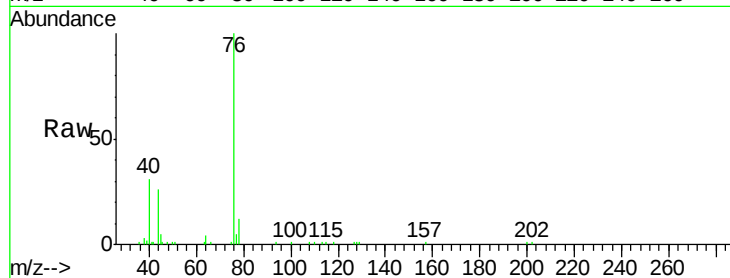
ClientSampleId :

Tot Ion: 76 Resp: 73438

Ion Ratio Lower Upper

76 100

78 11.6 7.3 10.9#



#15

Methyl Acetate

Concen: 2.81 ug/L

RT: 3.40 min Scan# 221

Delta R.T. 0.01 min

Lab File: VI051960.D

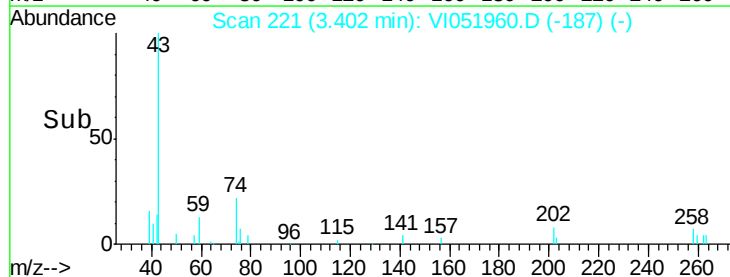
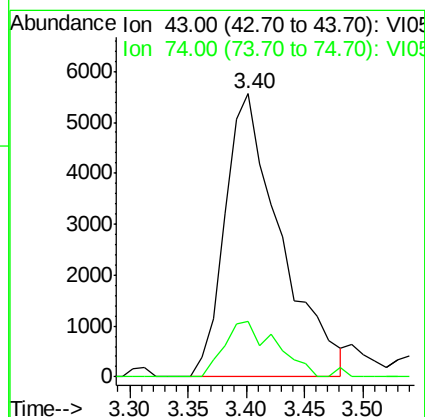
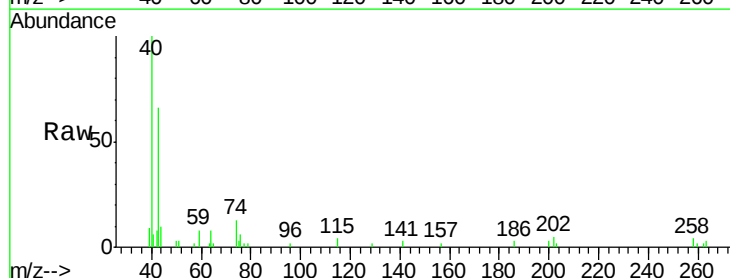
Acq: 24 Aug 2017 15:13

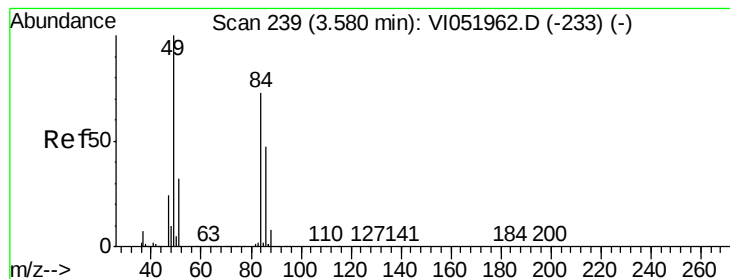
Tgt Ion: 43 Resp: 18344

Ion Ratio Lower Upper

43 100

74 18.1 13.7 20.5

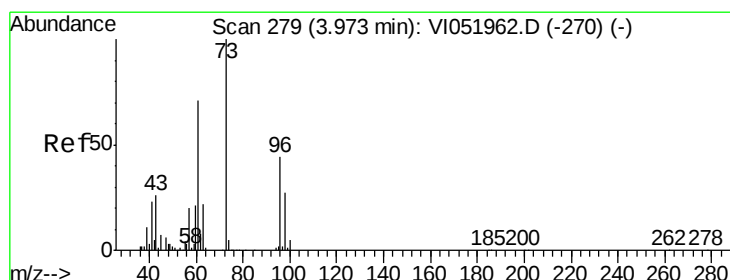
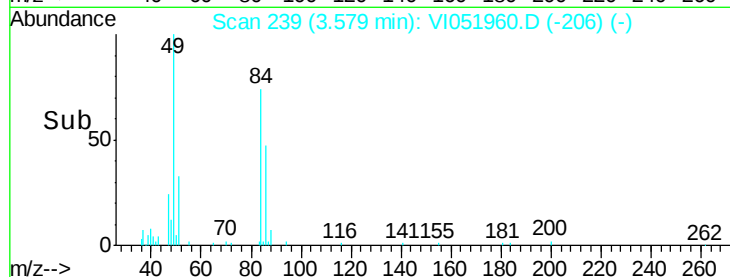
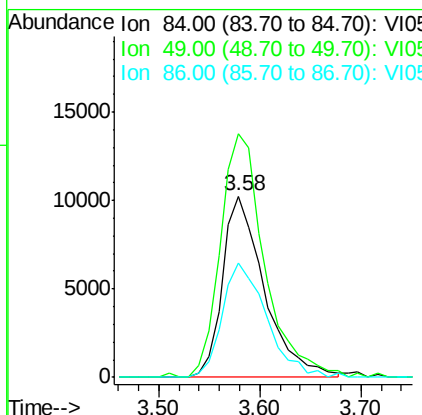
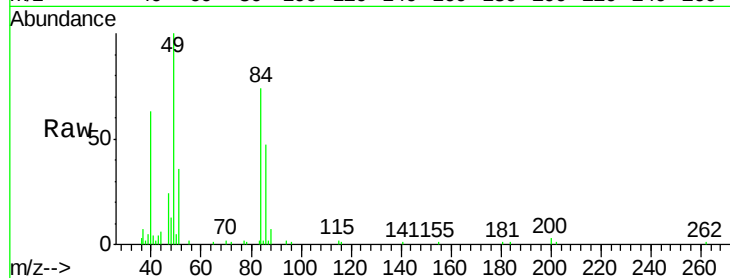




#16
Methvlene chloride
Concen: 2.65 ug/L
RT: 3.58 min Scan# 239
Delta R.T. -0.00 min
Lab File: VI051960.D
Acq: 24 Aug 2017 15:13

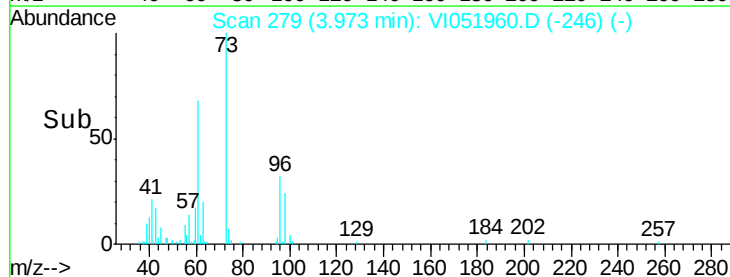
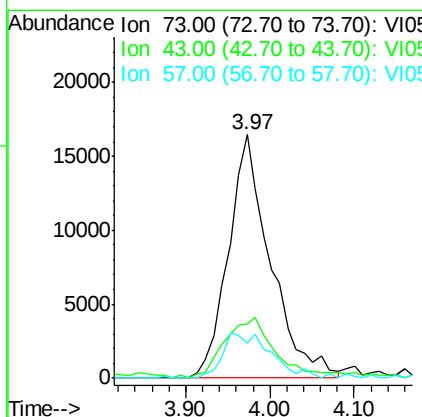
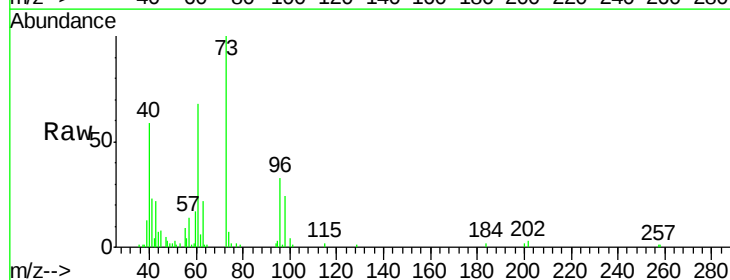
Instrument :
BNA_F
ClientSampleId :

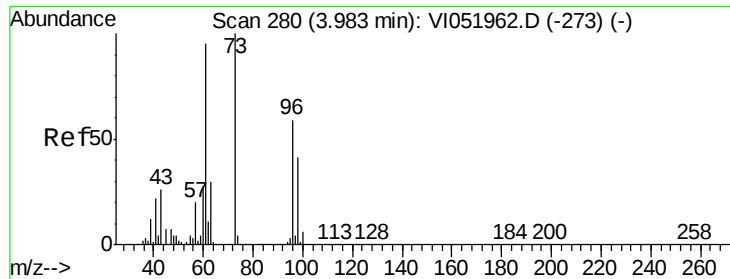
Tot Ion	84	Resp	29551
Ion Ratio	Lower	Upper	
84	100		
49	134.3	95.6	177.6
86	63.3	44.9	83.3



#17
Methyl tert-butyl Ether
Concen: 2.69 ug/L
RT: 3.97 min Scan# 279
Delta R.T. -0.00 min
Lab File: VI051960.D
Acq: 24 Aug 2017 15:13

Tgt Ion	73	Resp	57088
Ion Ratio	Lower	Upper	
73	100		
43	29.2	22.3	33.5
57	11.0	15.8	23.6

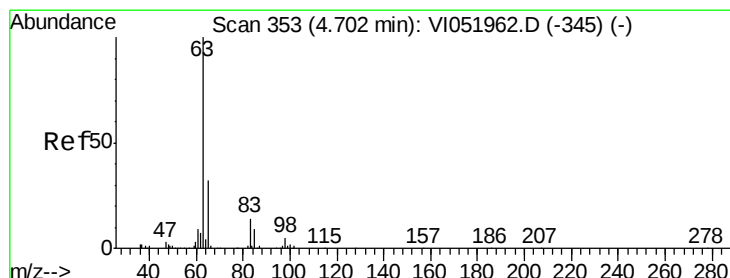
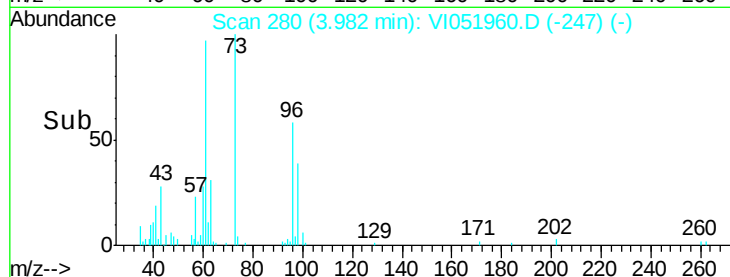
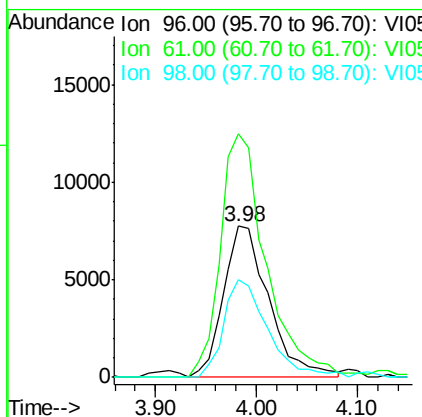
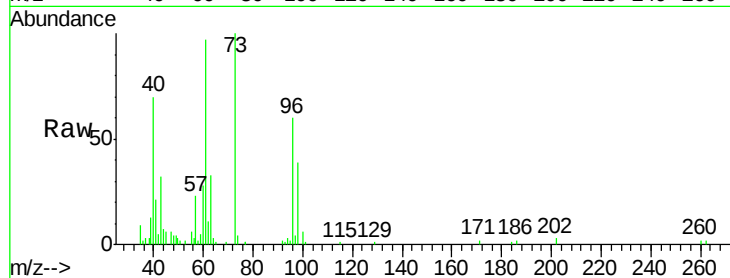




#18
 trans-1,2-Dichloroethene
 Concen: 2.84 ug/L
 RT: 3.98 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VI051960.D
 Acq: 24 Aug 2017 15:13

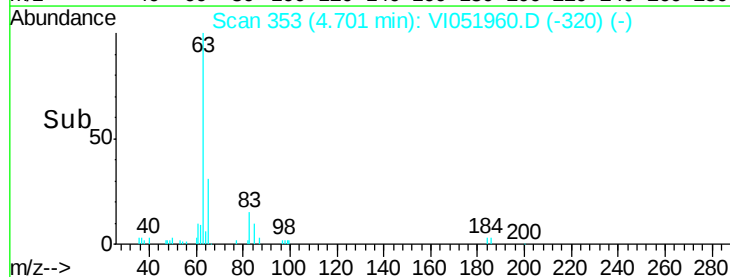
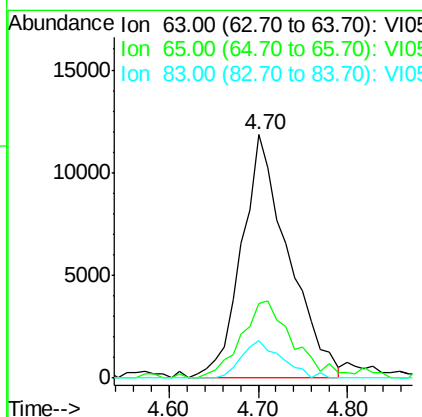
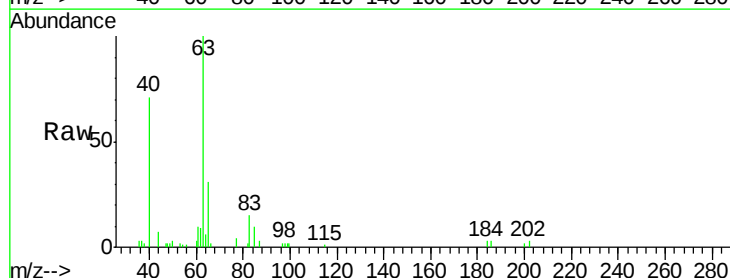
Instrument :
 BNA_F
 ClientSampleId :

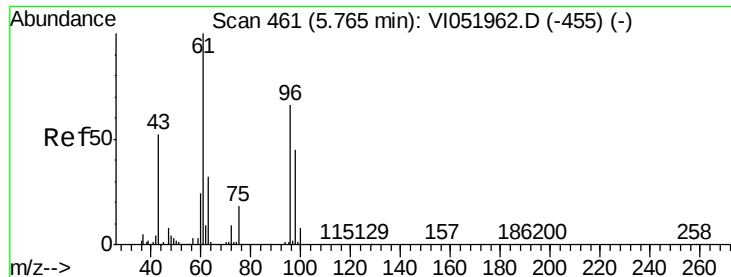
Tot Ion: 96 Resp: 24228
 Ion Ratio Lower Upper
 96 100
 61 161.3 112.1 208.3
 98 64.3 48.5 90.1



#19
 1,1-Dichloroethane
 Concen: 2.55 ug/L
 RT: 4.70 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VI051960.D
 Acq: 24 Aug 2017 15:13

Tgt Ion: 63 Resp: 43096
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.3 41.3
 83 15.2 9.9 18.5





#21

2-Butanone

Concen: 6.16 ug/L

RT: 5.77 min Scan# 462

Delta R.T. 0.01 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

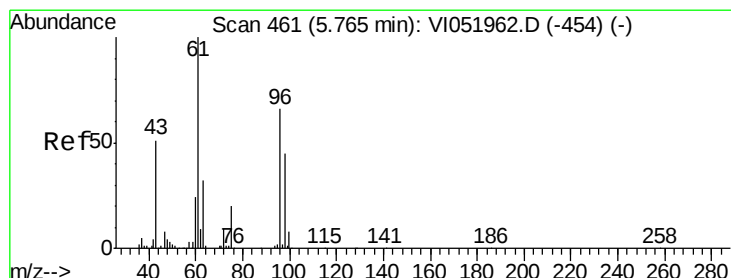
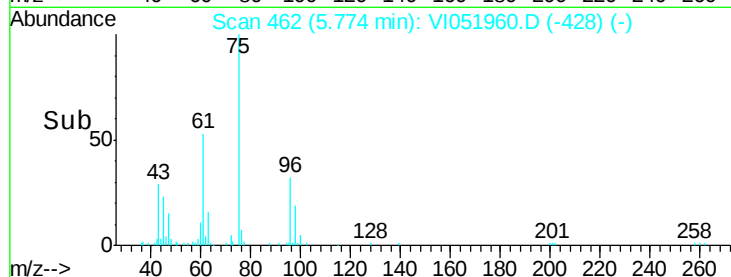
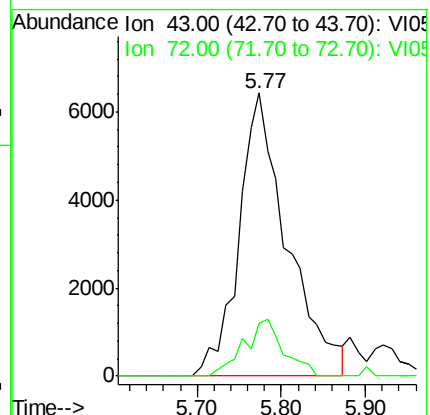
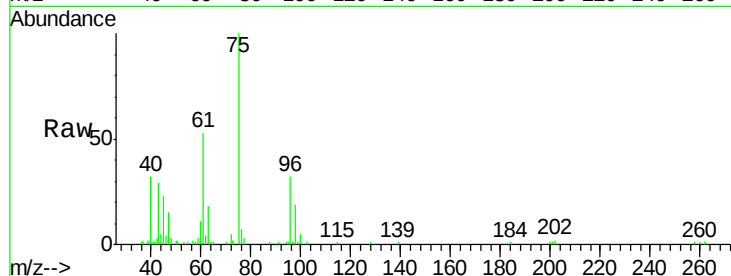
ClientSampleId :

Tot Ion: 43 Resp: 25726

Ion Ratio Lower Upper

43 100

72 16.5 9.2 27.6



#22

cis-1,2-Dichloroethene

Concen: 2.66 ug/L

RT: 5.76 min Scan# 461

Delta R.T. -0.00 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

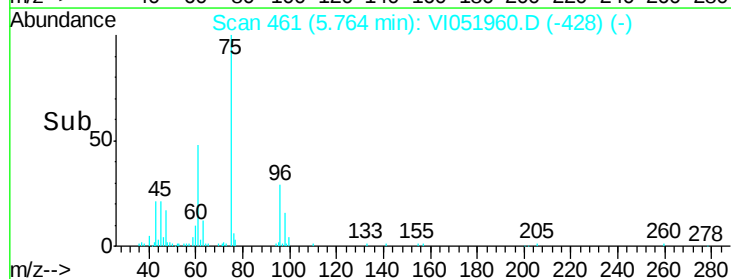
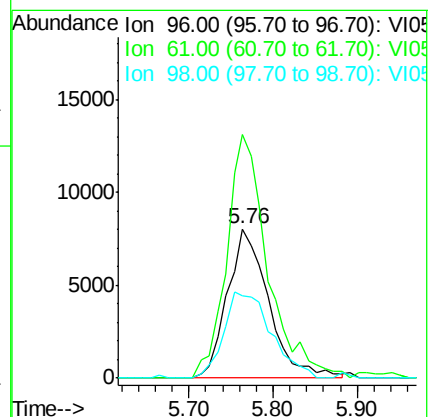
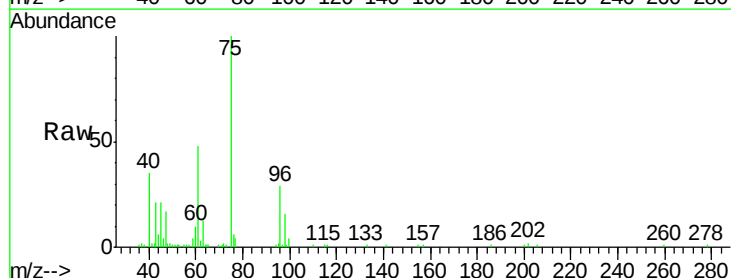
Tgt Ion: 96 Resp: 27400

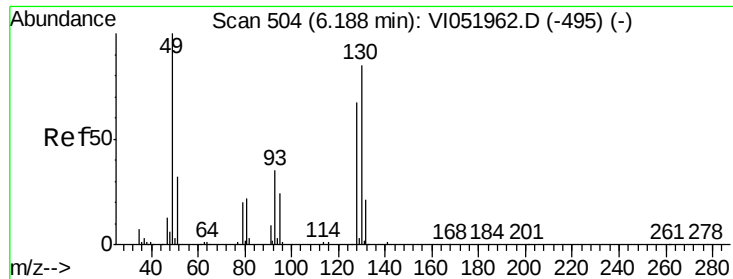
Ion Ratio Lower Upper

96 100

61 163.4 106.8 198.4

98 55.3 48.2 89.4





#23

Bromochloromethane

Concen: 3.44 ug/L

RT: 6.19 min Scan# 504

Delta R.T. -0.00 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

ClientSampled :

Tot Ion:128 Resp: 16350

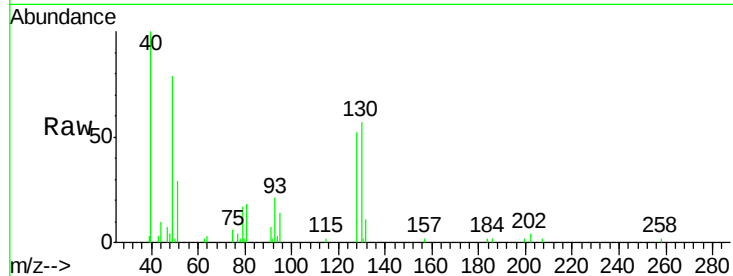
Ion Ratio Lower Upper

128 100

49 152.0 104.2 193.4

130 109.8 88.2 163.8

51 54.9 39.2 58.8

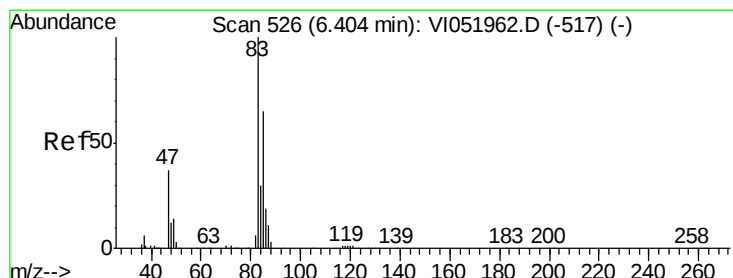
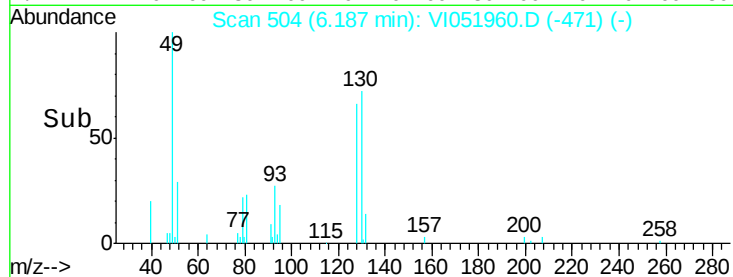
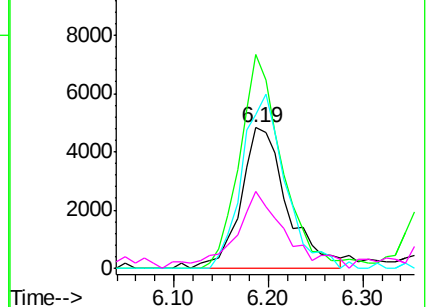


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VI05

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VI05



#25

Chloroform

Concen: 2.28 ug/L

RT: 6.41 min Scan# 527

Delta R.T. 0.01 min

Lab File: VI051960.D

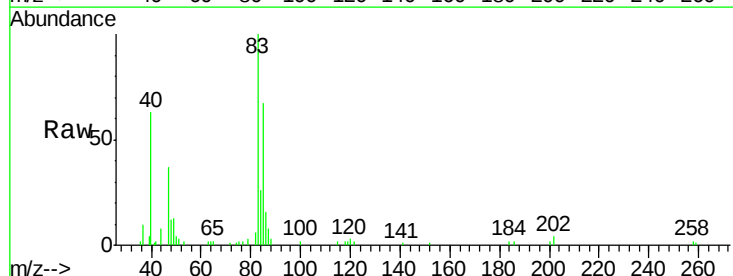
Acq: 24 Aug 2017 15:13

Tgt Ion: 83 Resp: 43072

Ion Ratio Lower Upper

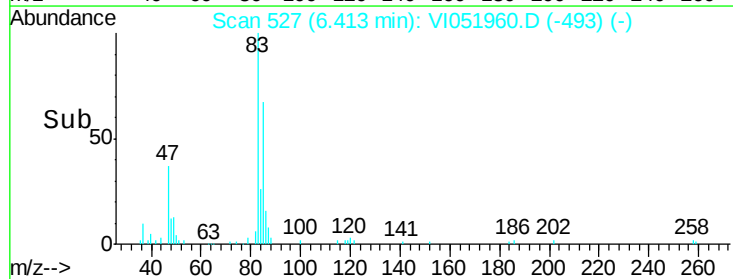
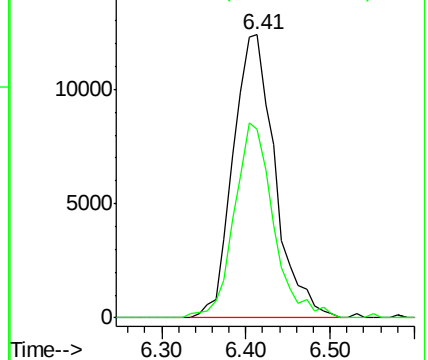
83 100

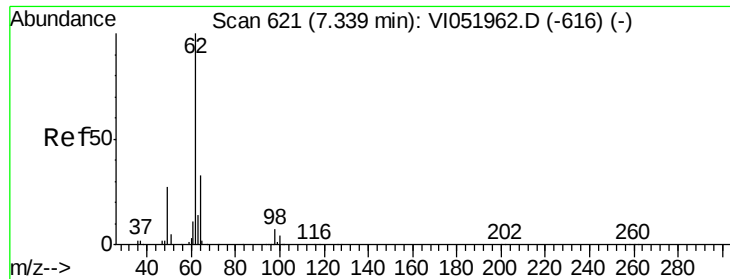
85 64.2 46.3 85.9



Abundance Ion 83.00 (82.70 to 83.70): VI05

Ion 85.00 (84.70 to 85.70): VI05

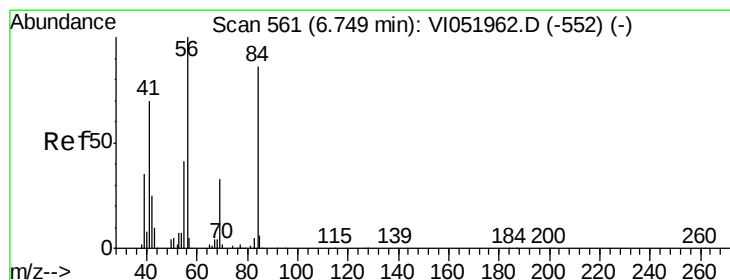
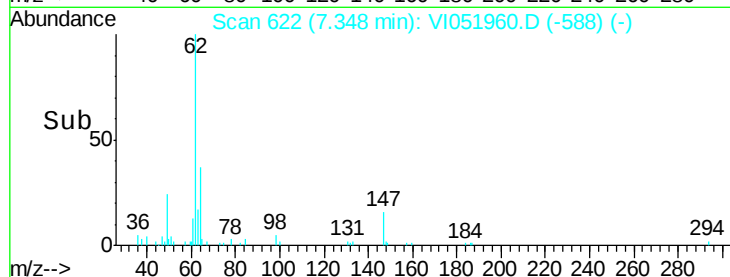
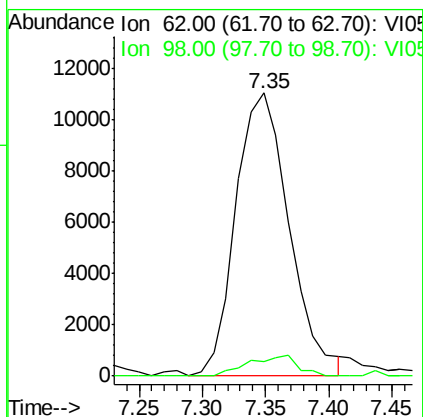
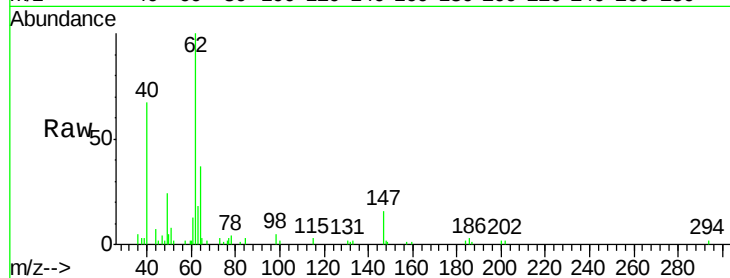




#27
 1,2-Dichloroethane
 Concen: 2.30 ug/L
 RT: 7.35 min Scan# 622
 Delta R.T. 0.01 min
 Lab File: VI051960.D
 Acq: 24 Aug 2017 15:13

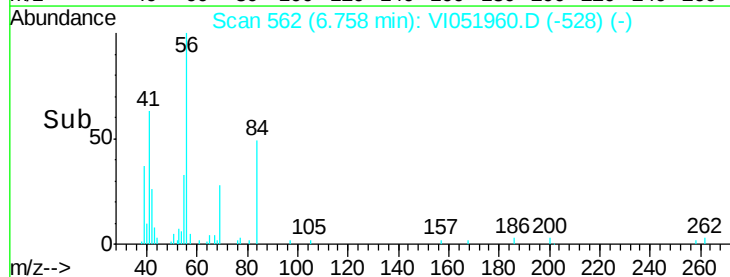
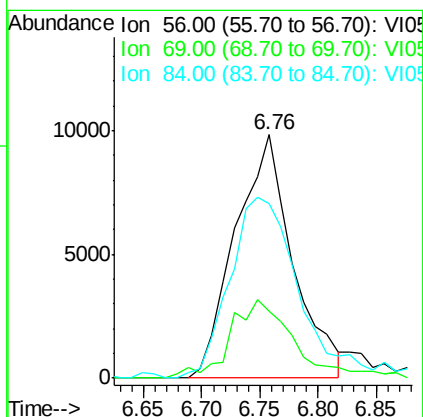
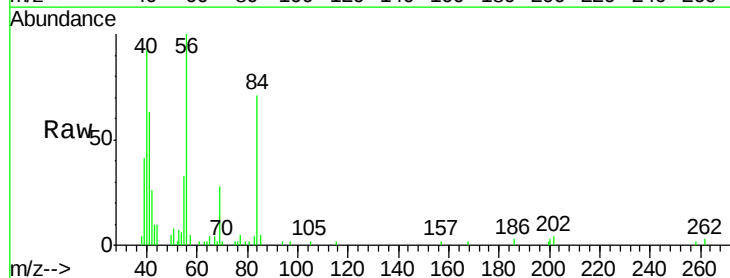
Instrument :
 BNA_F
 ClientSampleId :

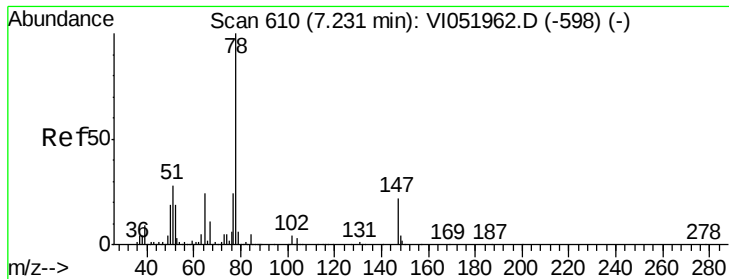
Tot Ion: 62 Resp: 32535
 Ion Ratio Lower Upper
 62 100
 98 5.1 5.5 8.3#



#30
 Cyclohexane
 Concen: 2.31 ug/L
 RT: 6.76 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VI051960.D
 Acq: 24 Aug 2017 15:13

Tgt Ion: 56 Resp: 33624
 Ion Ratio Lower Upper
 56 100
 69 34.2 24.2 36.4
 84 85.0 59.6 89.4





#34

Benzene

Concen: 2.41 ug/L

RT: 7.22 min Scan# 609

Delta R.T. -0.01 min

Lab File: VI051960.D

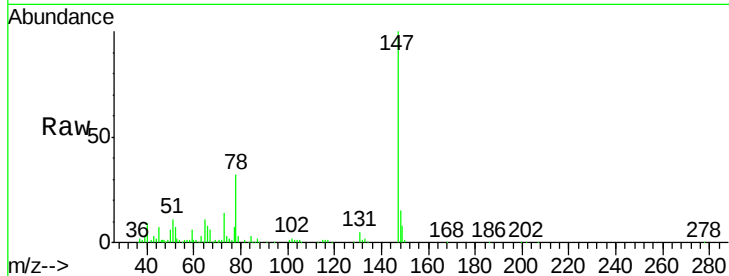
Acq: 24 Aug 2017 15:13

Instrument :

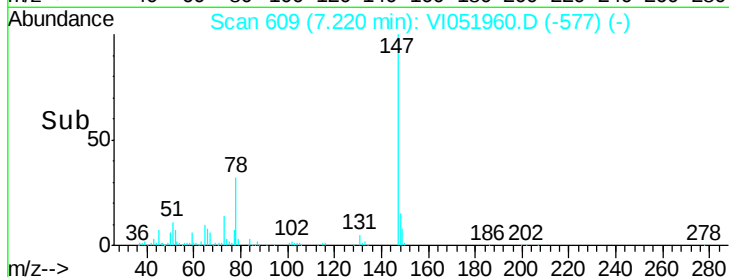
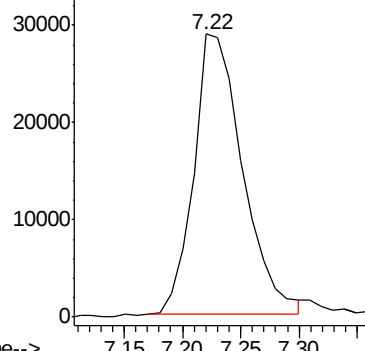
BNA_F

ClientSampleId :

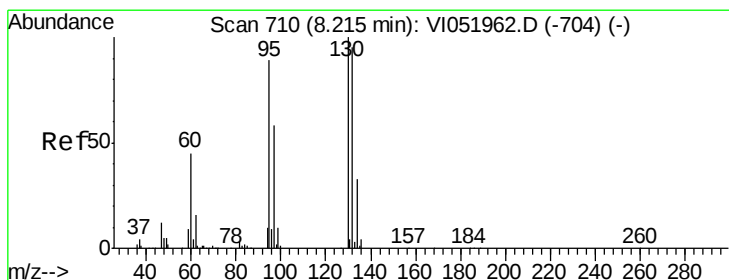
Tgt Ion: 78 Resp: 83410



Abundance Ion 78.00 (77.70 to 78.70): VI05



Time-->



#35

Trichloroethene

Concen: 2.56 ug/L

RT: 8.21 min Scan# 710

Delta R.T. -0.00 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Tgt Ion: 95 Resp: 31650

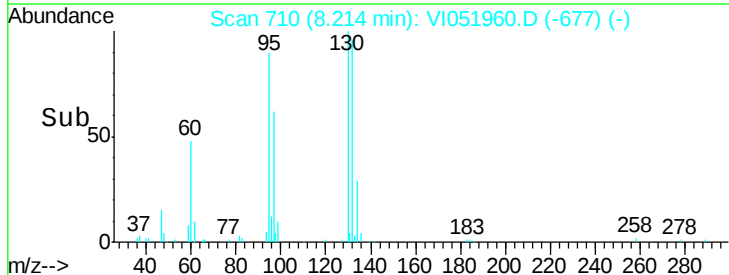
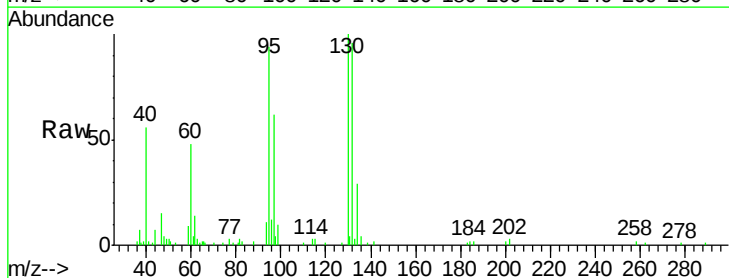
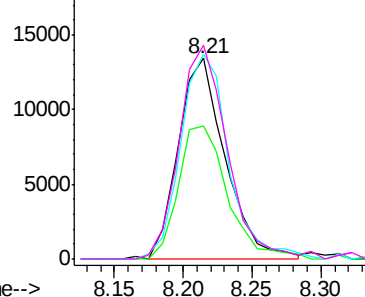
Ion	Ratio	Lower	Upper
95	100		
97	69.1	46.2	85.8
132	104.9	72.7	135.1
130	108.5	74.5	138.3

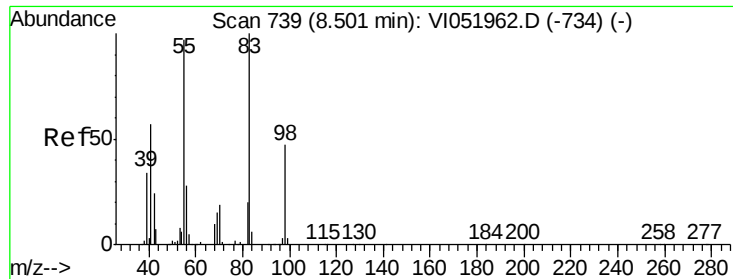
Abundance Ion 95.00 (94.70 to 95.70): VI05

Ion 97.00 (96.70 to 97.70): VI05

Ion 132.00 (131.70 to 132.70): VI05

Ion 130.00 (129.70 to 130.70): VI05

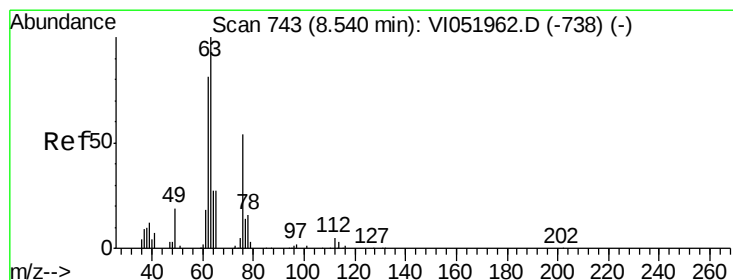
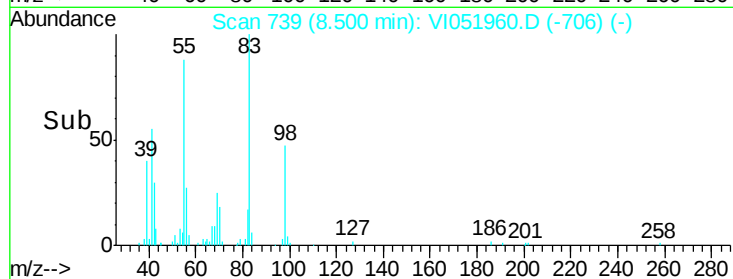
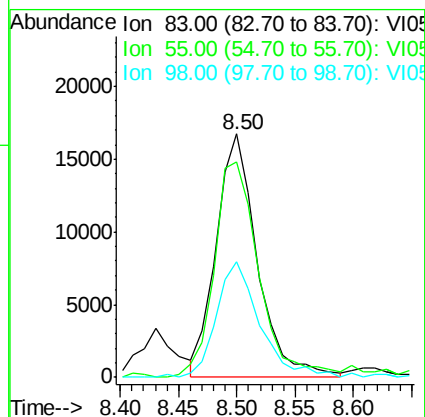
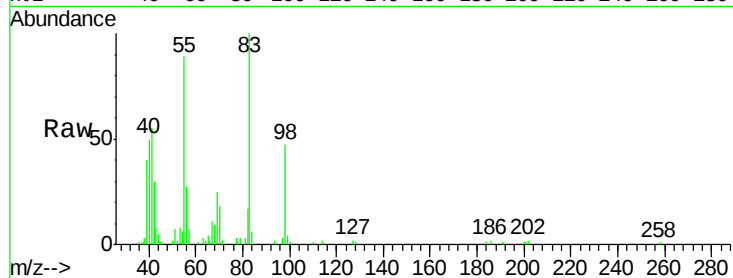




#36
Methvlcvclohexane
Concen: 2.50 ug/L
RT: 8.50 min Scan# 739
Delta R.T. -0.00 min
Lab File: VI051960.D
Acq: 24 Aug 2017 15:13

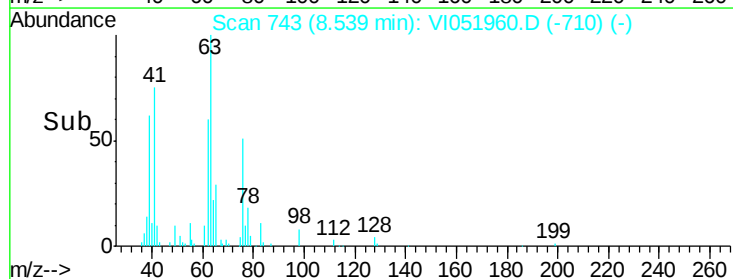
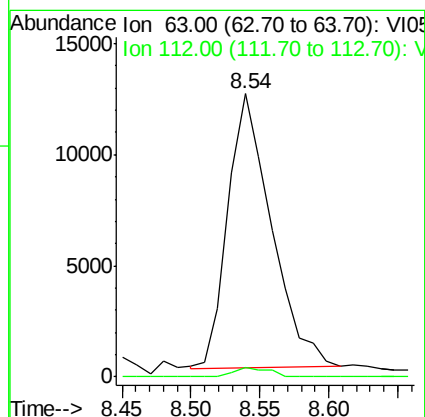
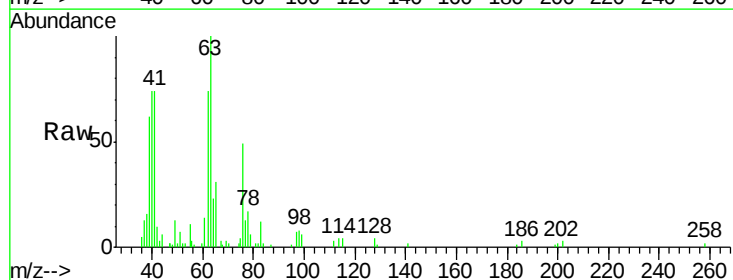
Instrument :
BNA_F
ClientSampleId :

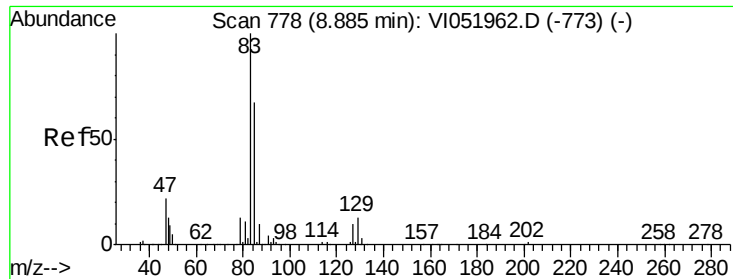
Tot Ion: 83 Resp: 41007
Ion Ratio Lower Upper
83 100
55 96.0 73.4 110.0
98 49.4 36.7 55.1



#40
1,2-Dichloropropane
Concen: 2.63 ug/L
RT: 8.54 min Scan# 743
Delta R.T. -0.00 min
Lab File: VI051960.D
Acq: 24 Aug 2017 15:13

Tgt Ion: 63 Resp: 27048
Ion Ratio Lower Upper
63 100
112 2.6 3.7 5.5#





#41

Bromodichloromethane

Concen: 2.01 ug/L

RT: 8.88 min Scan# 778

Delta R.T. -0.00 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

ClientSampleId :

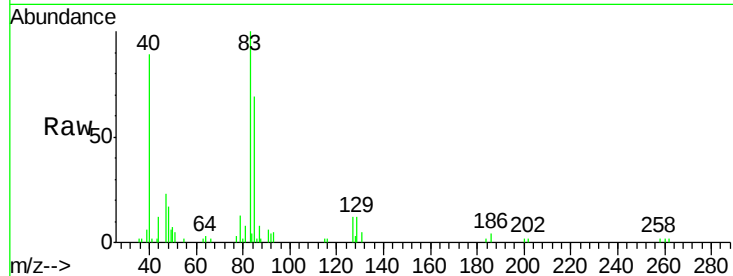
Tot Ion: 83 Resp: 19909

Ion Ratio Lower Upper

83 100

85 68.6 46.8 87.0

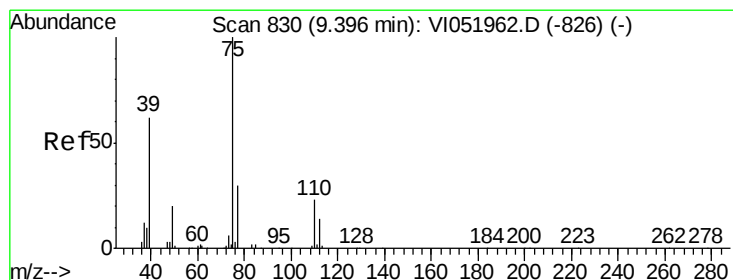
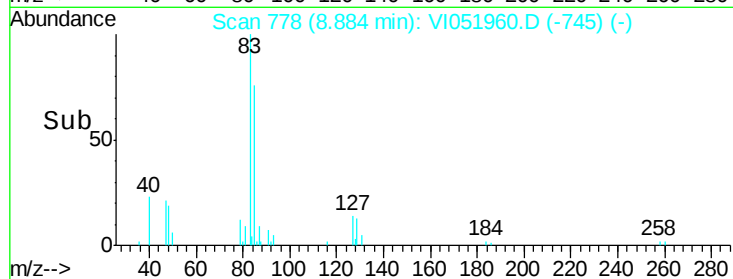
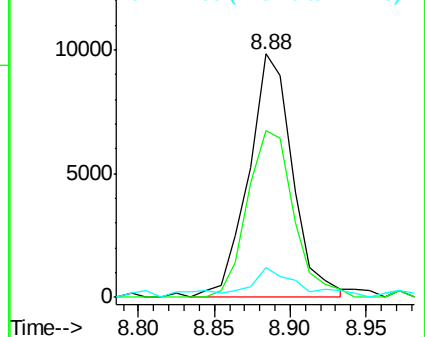
127 12.4 8.2 12.2#



Abundance Ion 83.00 (82.70 to 83.70): VI051960.D (-773) (-)

Ion 85.00 (84.70 to 85.70): VI051960.D (-773) (-)

Ion 127.00 (126.70 to 127.70): VI051960.D (-773) (-)



#42

cis-1,3-Dichloropropene

Concen: 2.32 ug/L

RT: 9.41 min Scan# 831

Delta R.T. 0.01 min

Lab File: VI051960.D

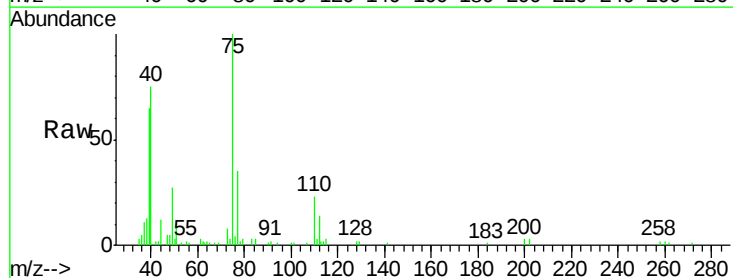
Acq: 24 Aug 2017 15:13

Tgt Ion: 75 Resp: 24593

Ion Ratio Lower Upper

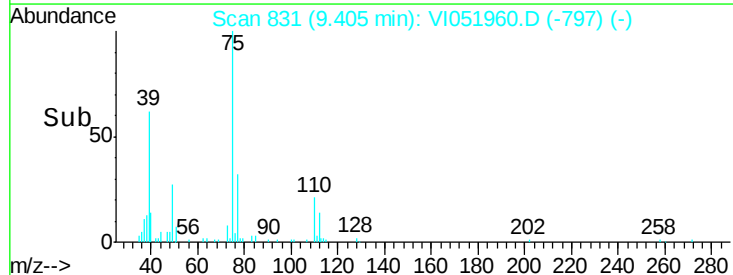
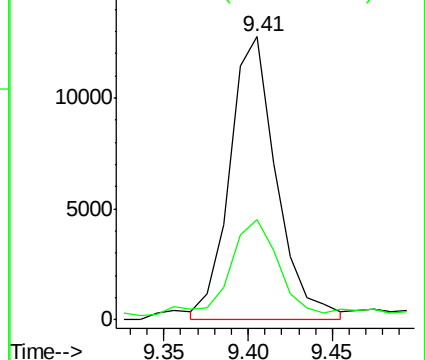
75 100

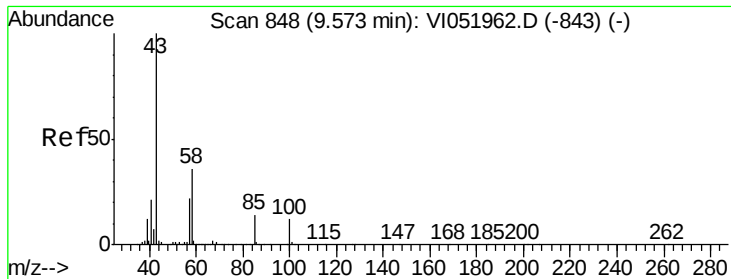
77 35.4 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VI051960.D (-797) (-)

Ion 77.00 (76.70 to 77.70): VI051960.D (-797) (-)





#43

4-Methyl-2-pentanone

Concen: 5.09 ug/L

RT: 9.57 min Scan# 848

Delta R.T. -0.00 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

ClientSampleId :

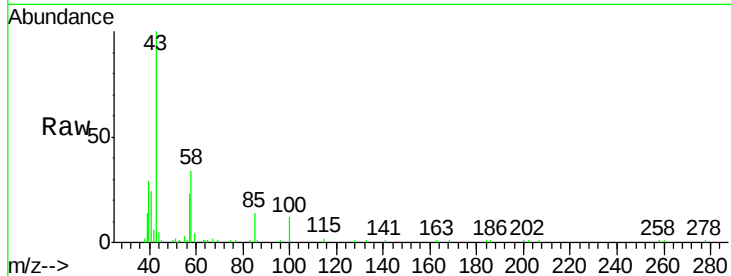
Tot Ion: 43 Resp: 65348

Ion Ratio Lower Upper

43 100

58 34.8 30.0 45.0

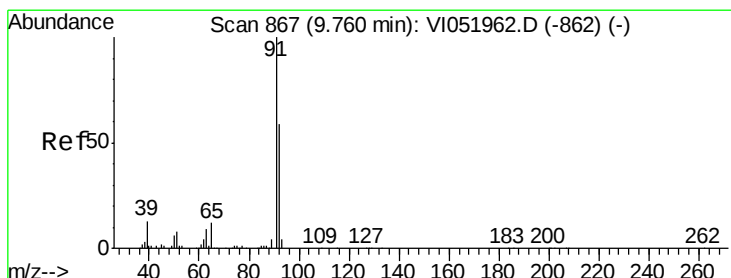
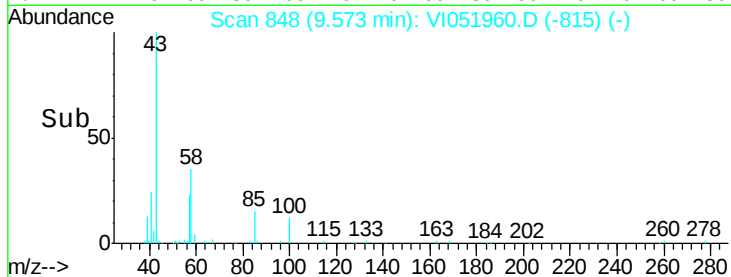
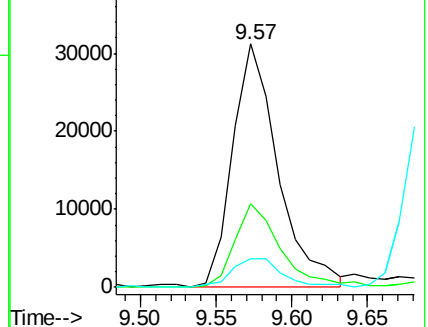
100 13.1 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VI051962.D (-843) (-)

Ion 58.00 (57.70 to 58.70): VI051962.D (-843) (-)

Ion 100.00 (99.70 to 100.70): VI051962.D (-843) (-)



#44

Toluene

Concen: 2.71 ug/L

RT: 9.77 min Scan# 868

Delta R.T. 0.01 min

Lab File: VI051960.D

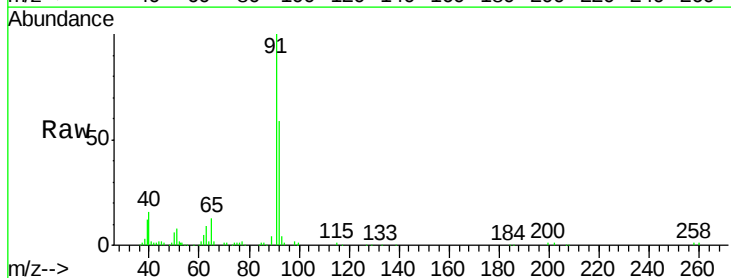
Acq: 24 Aug 2017 15:13

Tgt Ion: 91 Resp: 126639

Ion Ratio Lower Upper

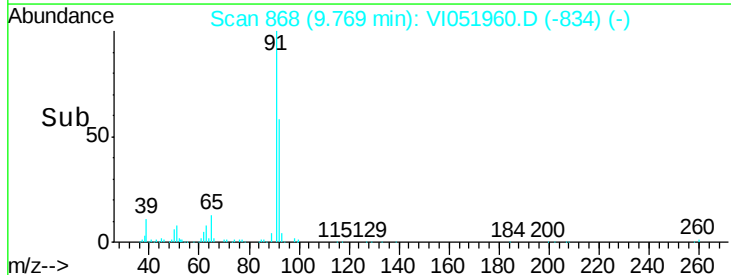
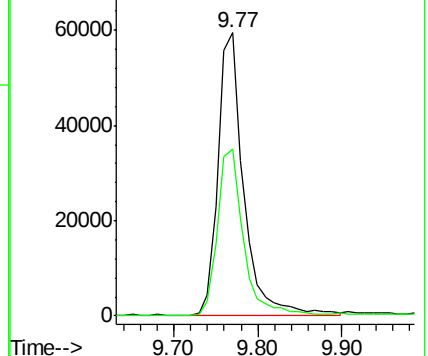
91 100

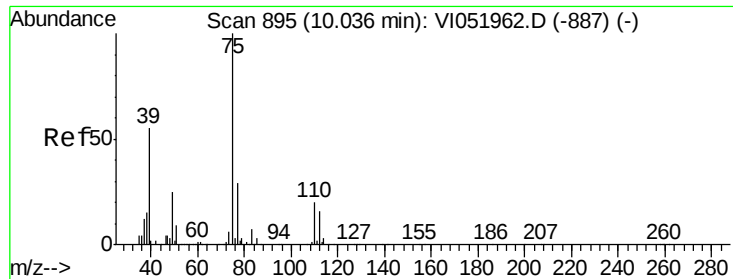
92 58.8 41.6 77.2



Abundance Ion 91.00 (90.70 to 91.70): VI051962.D (-862) (-)

Ion 92.00 (91.70 to 92.70): VI051962.D (-862) (-)





#45

trans-1,3-Dichloropropene

Concen: 2.39 ug/L

RT: 10.05 min Scan# 896

Delta R.T. 0.01 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

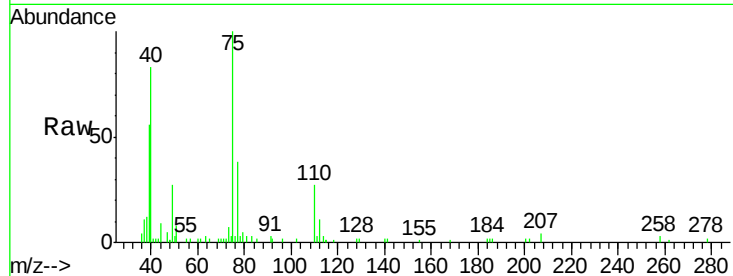
ClientSampleId :

Tot Ion: 75 Resp: 22853

Ion Ratio Lower Upper

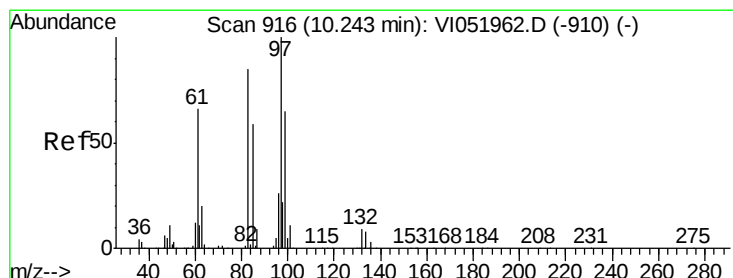
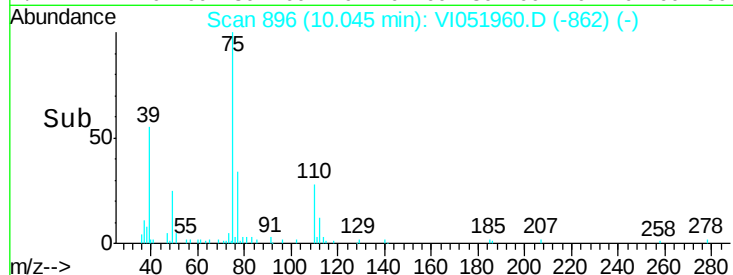
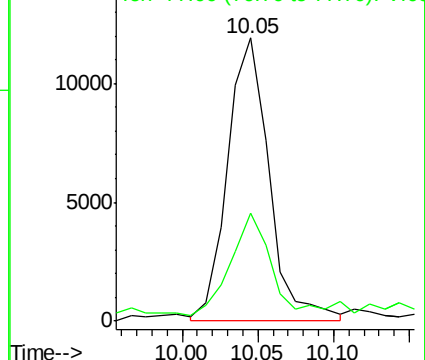
75 100

77 38.3 20.5 38.1#



Abundance Ion 75.00 (74.70 to 75.70): VI051960.D (-887) (-)

Ion 77.00 (76.70 to 77.70): VI051960.D (-887) (-)



#46

1,1,2-Trichloroethane

Concen: 2.77 ug/L

RT: 10.25 min Scan# 917

Delta R.T. 0.01 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Tgt Ion: 97 Resp: 29565

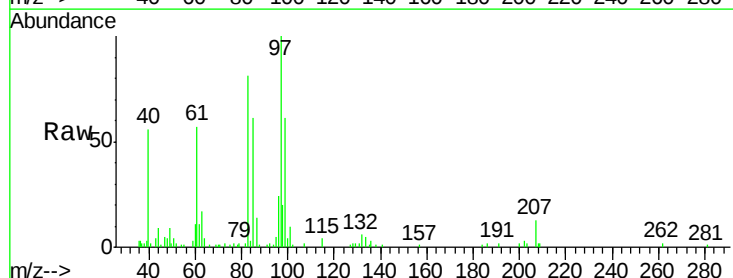
Ion Ratio Lower Upper

97 100

83 81.1 60.0 111.4

85 61.2 41.4 77.0

99 61.3 45.4 84.2

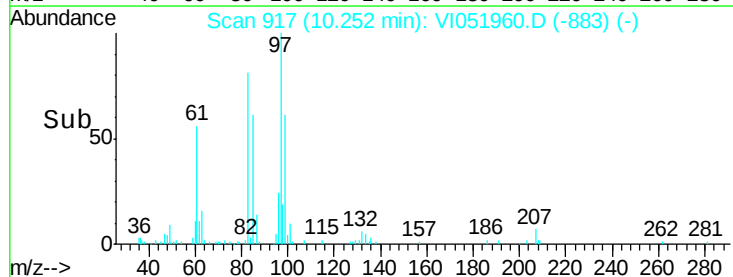
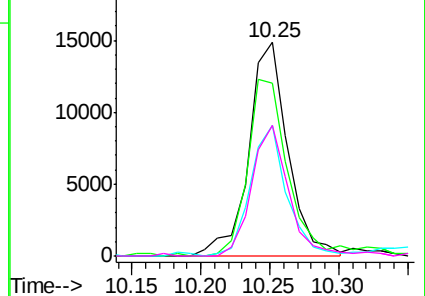


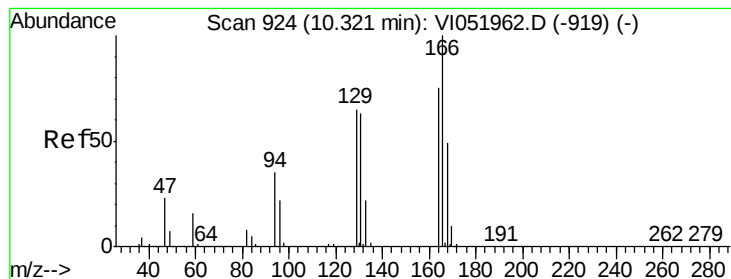
Abundance Ion 97.00 (96.70 to 97.70): VI051960.D (-883) (-)

Ion 83.00 (82.70 to 83.70): VI051960.D (-883) (-)

Ion 85.00 (84.70 to 85.70): VI051960.D (-883) (-)

Ion 99.00 (98.70 to 99.70): VI051960.D (-883) (-)





#47

Tetrachloroethene

Concen: 2.49 ug/L

RT: 10.32 min Scan# 924

Delta R.T. -0.00 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 29915

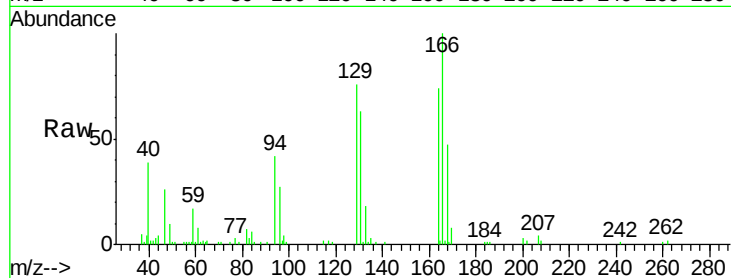
Ion Ratio Lower Upper

164 100

129 102.7 60.5 112.3

131 84.9 58.4 108.4

166 138.7 92.8 172.4

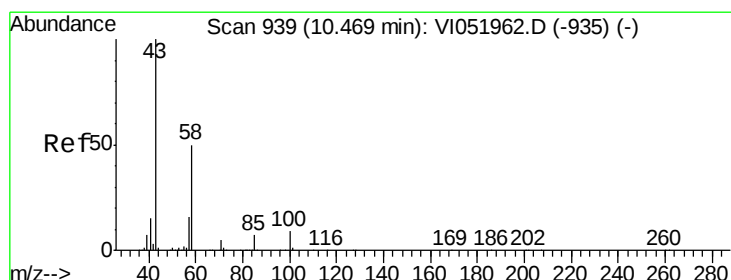
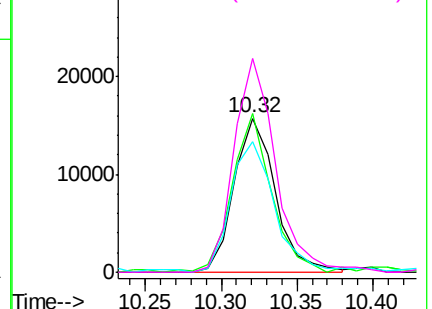
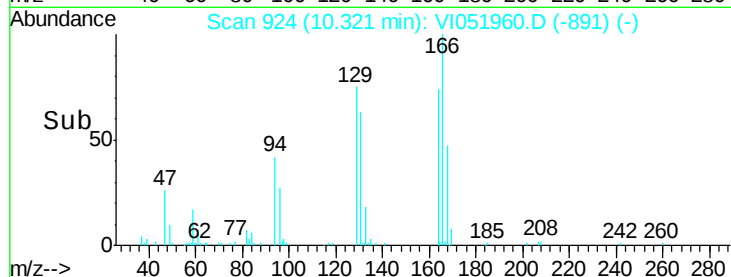


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 4.94 ug/L

RT: 10.48 min Scan# 940

Delta R.T. 0.01 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Tgt Ion: 43 Resp: 46619

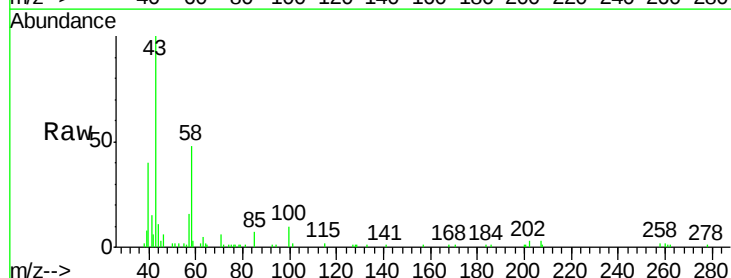
Ion Ratio Lower Upper

43 100

58 45.5 39.2 58.8

57 17.0 12.5 18.7

100 11.7 7.5 11.3#

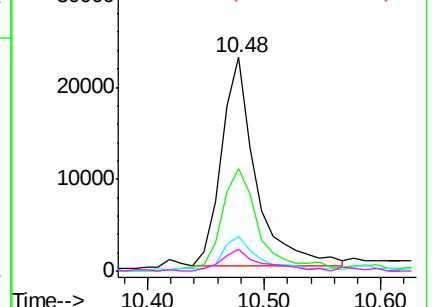
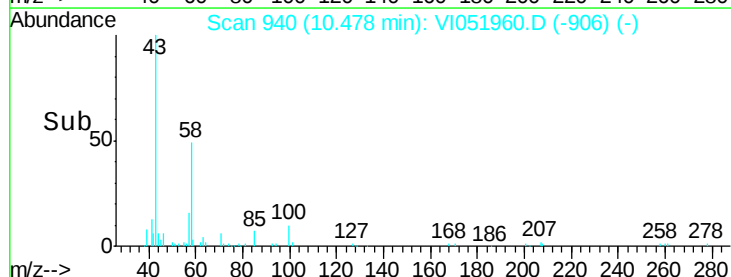


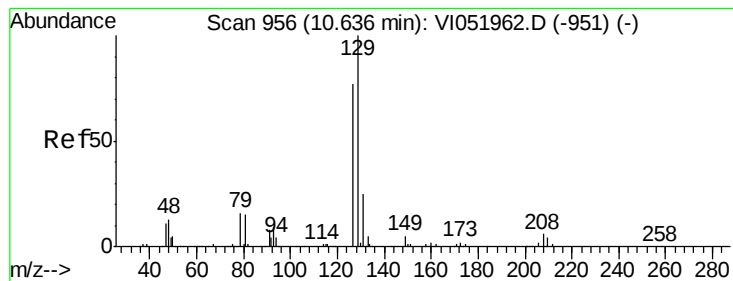
Abundance Ion 43.00 (42.70 to 43.70): VI05

Ion 58.00 (57.70 to 58.70): VI05

Ion 57.00 (56.70 to 57.70): VI05

Ion 100.00 (99.70 to 100.70): VI





#50

Dibromochloromethane

Concen: 2.37 ug/L

RT: 10.64 min Scan# 956

Delta R.T. -0.00 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

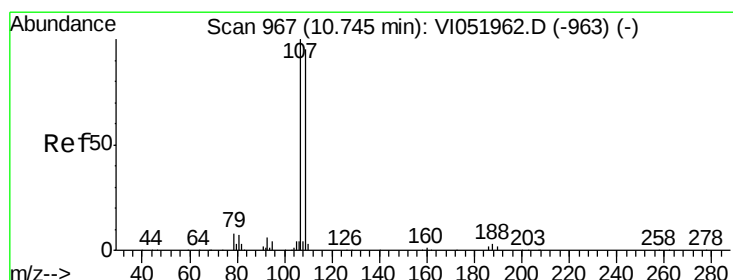
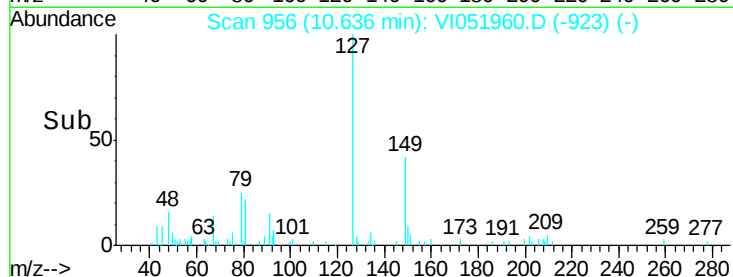
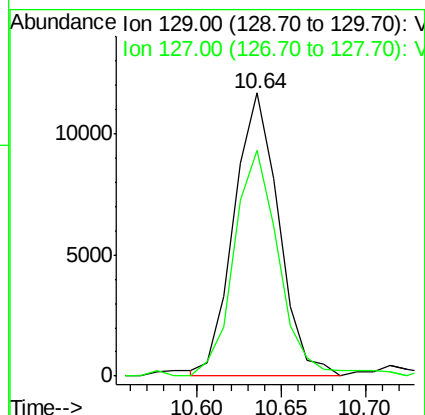
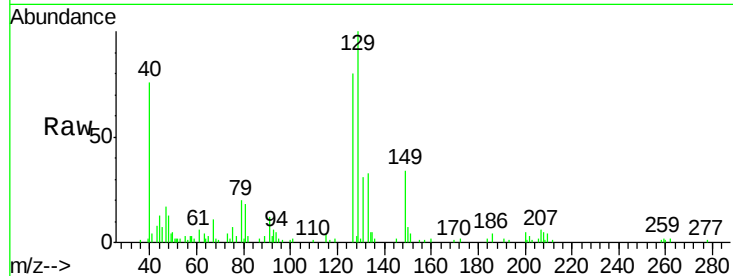
ClientSampleId :

Tot Ion:129 Resp: 21562

Ion Ratio Lower Upper

129 100

127 79.6 53.8 100.0



#51

1,2-Dibromoethane

Concen: 3.57 ug/L

RT: 10.75 min Scan# 968

Delta R.T. 0.01 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

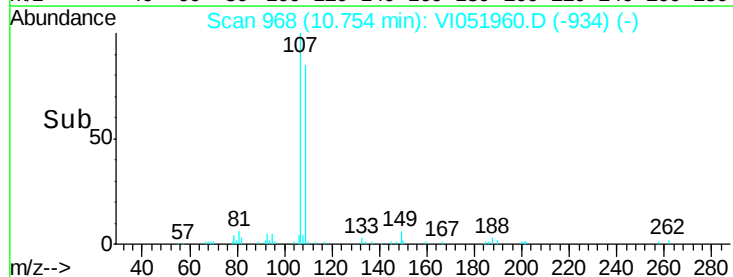
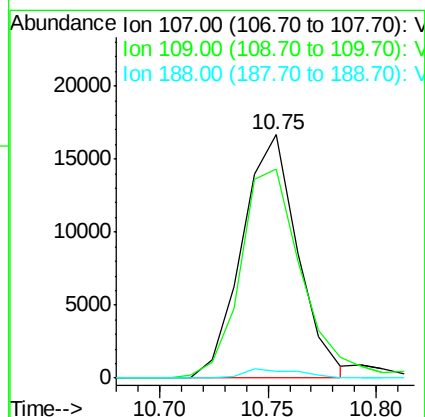
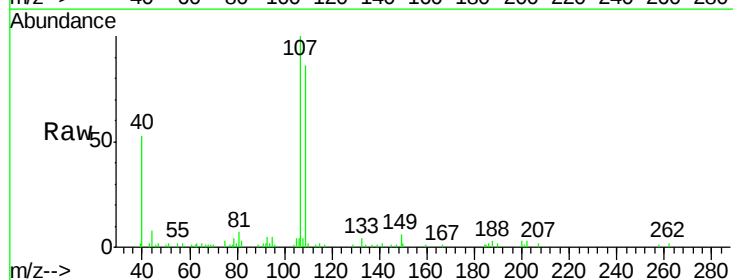
Tgt Ion:107 Resp: 29696

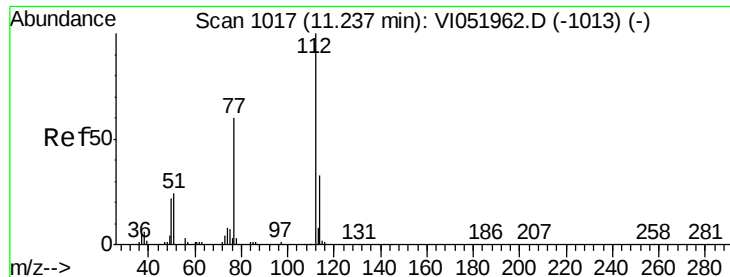
Ion Ratio Lower Upper

107 100

109 85.7 66.4 123.2

188 2.8 2.6 3.8





#52

Chlorobenzene

Concen: 2.60 ug/L

RT: 11.25 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

ClientSampleId :

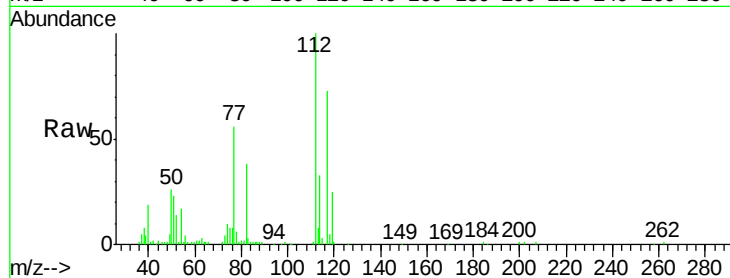
Tot Ion:112 Resp: 95003

Ion Ratio Lower Upper

112 100

77 56.2 48.4 72.6

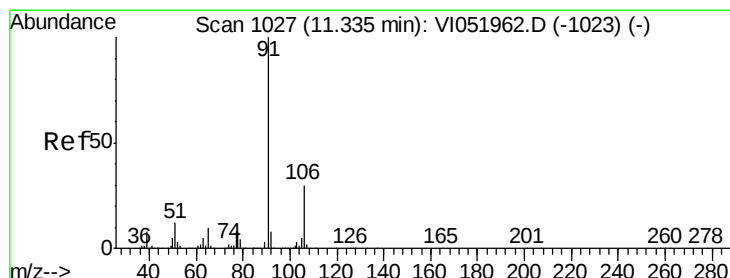
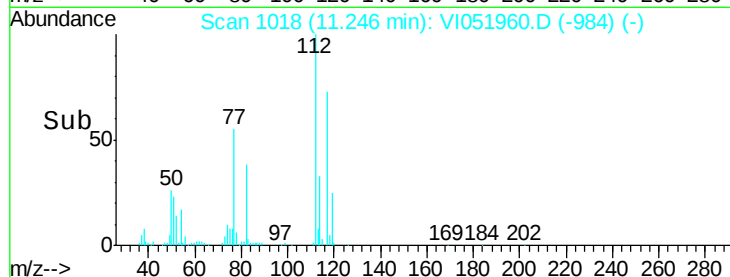
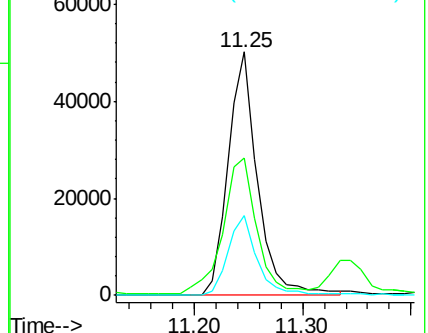
114 32.5 23.3 43.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 2.79 ug/L

RT: 11.34 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VI051960.D

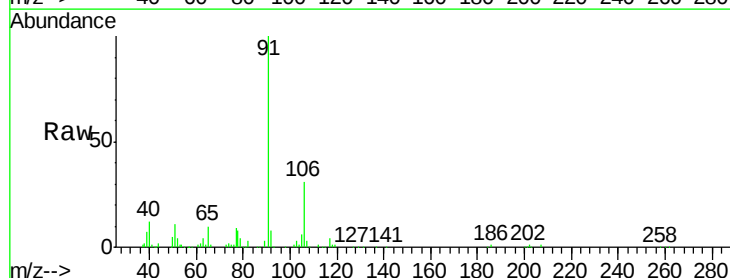
Acq: 24 Aug 2017 15:13

Tgt Ion: 91 Resp: 156585

Ion Ratio Lower Upper

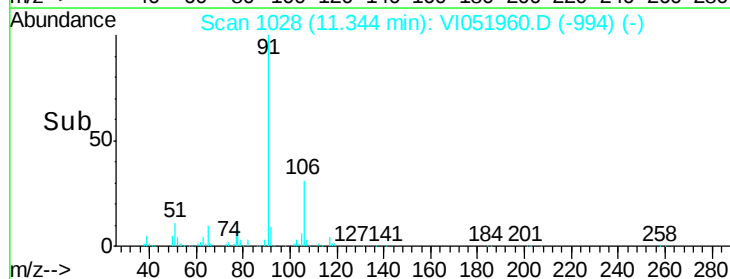
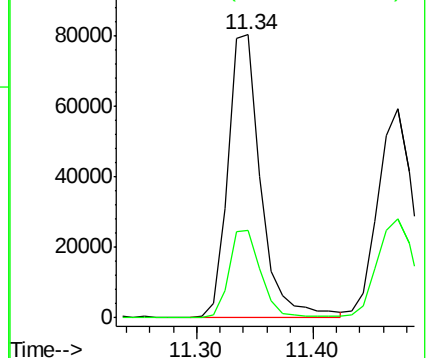
91 100

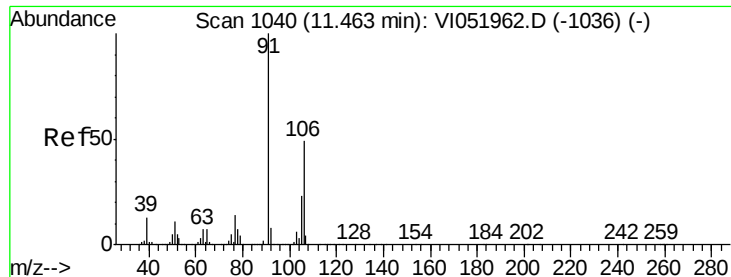
106 30.8 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 2.75 ug/L

RT: 11.47 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

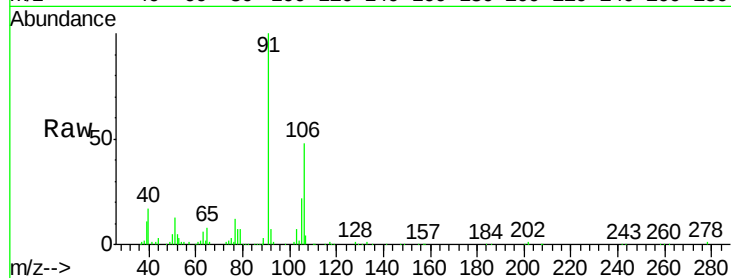
ClientSampleId :

Tot Ion:106 Resp: 64280

Ion Ratio Lower Upper

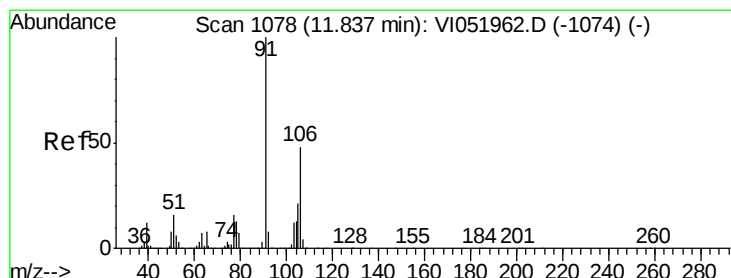
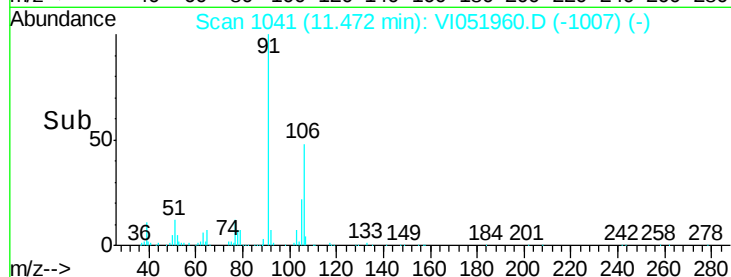
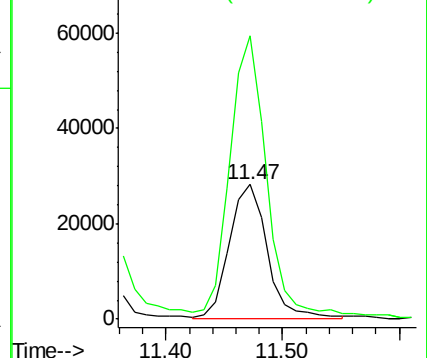
106 100

91 210.4 145.1 269.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VI05



#55

o-xylene

Concen: 2.70 ug/L

RT: 11.84 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VI051960.D

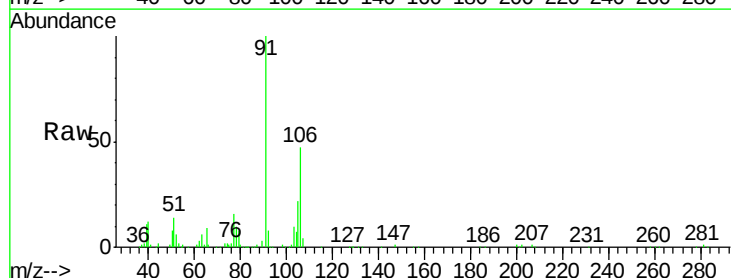
Acq: 24 Aug 2017 15:13

Tgt Ion:106 Resp: 60811

Ion Ratio Lower Upper

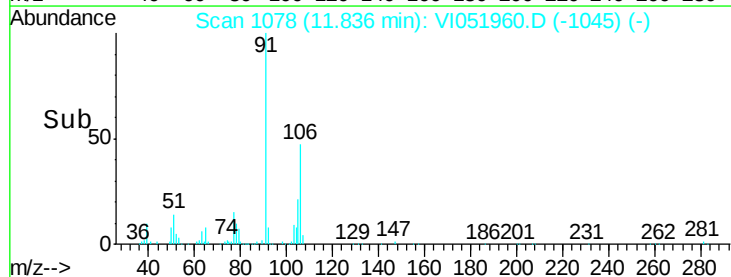
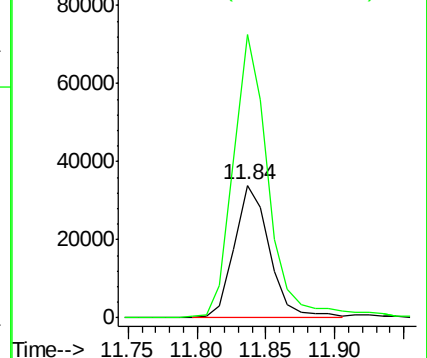
106 100

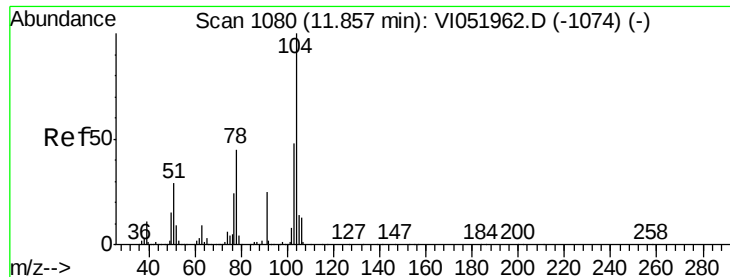
91 213.0 145.5 270.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VI05





#56

Stvrene

Concen: 2.80 ug/L

RT: 11.86 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

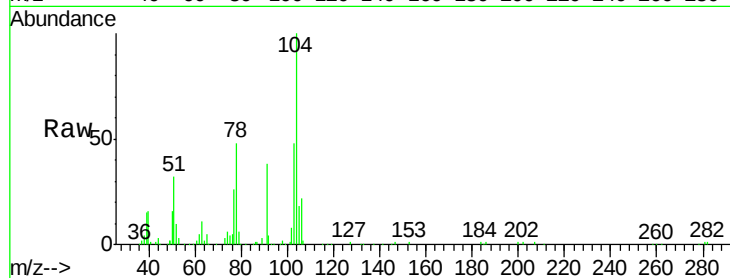
ClientSampleId :

Tot Ion:104 Resp: 105150

Ion Ratio Lower Upper

104 100

78 47.5 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

11.86

60000

50000

40000

30000

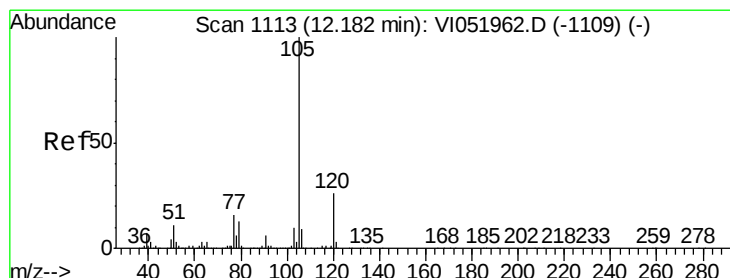
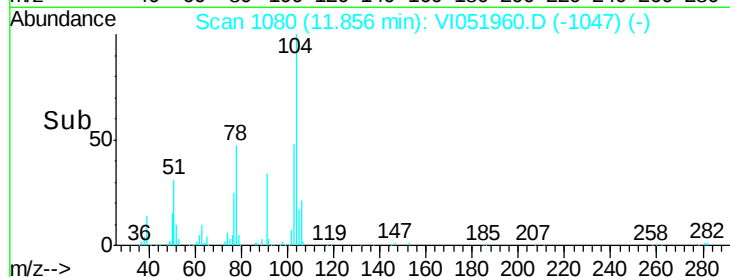
20000

10000

0

Time-->

11.80 11.90



#57

Isopropylbenzene

Concen: 2.95 ug/L

RT: 12.19 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

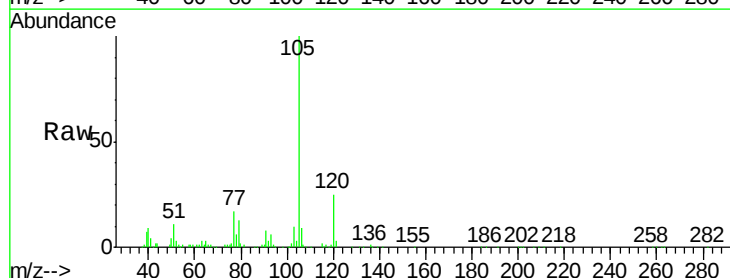
Tgt Ion:105 Resp: 170102

Ion Ratio Lower Upper

105 100

120 23.3 20.8 31.2

77 16.1 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

12.19

120000

100000

80000

60000

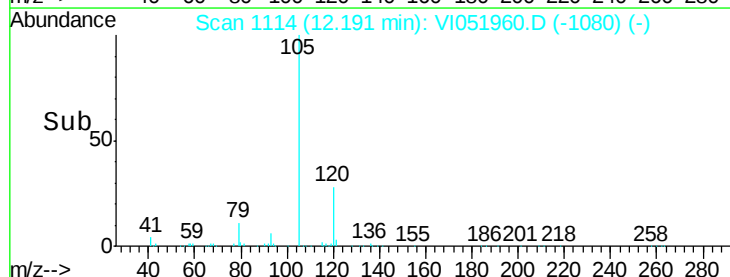
40000

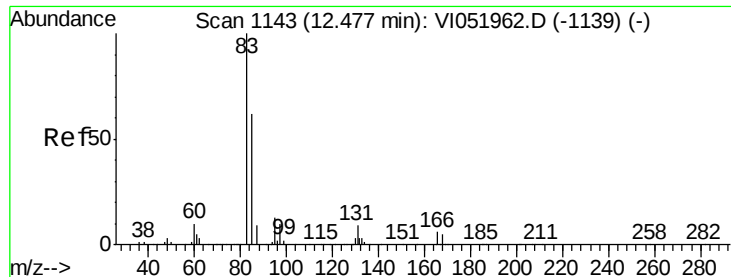
20000

0

Time-->

12.10 12.20 12.30





#58

1,1,2,2-Tetrachloroethane

Concen: 2.49 ug/L

RT: 12.48 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VI051960.D

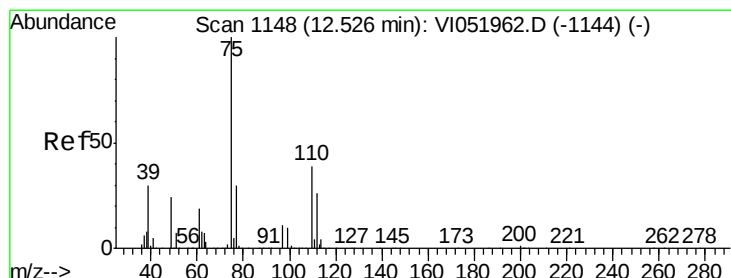
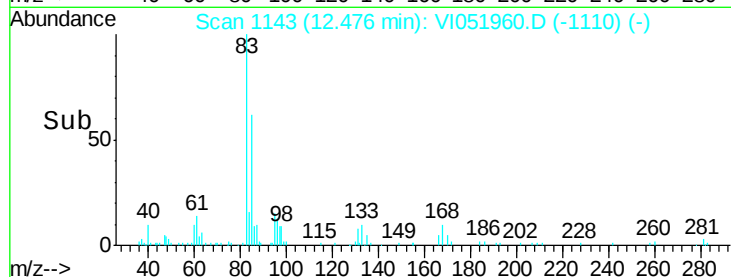
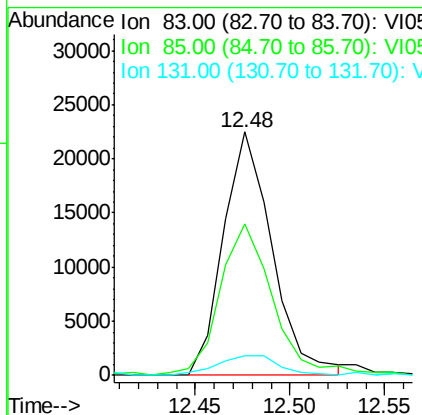
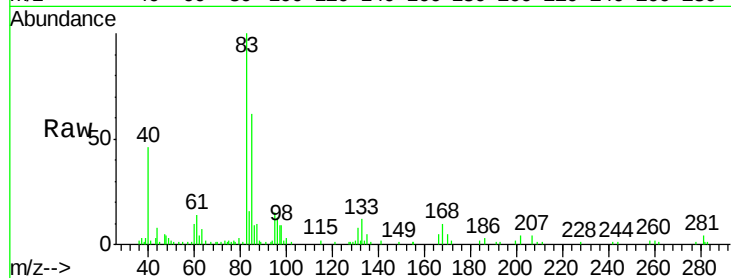
Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	83	Resp:	40103
Ion	Ratio	Lower	Upper
83	100		
85	62.2	43.4	80.6
131	7.9	7.4	11.2



#59

1,2,3-Trichloropropane

Concen: 2.89 ug/L

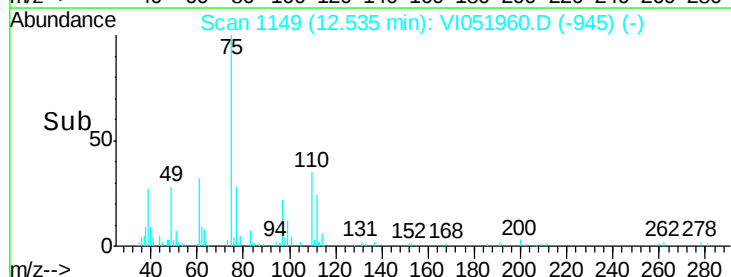
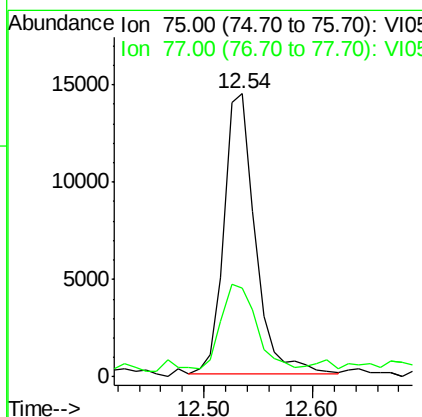
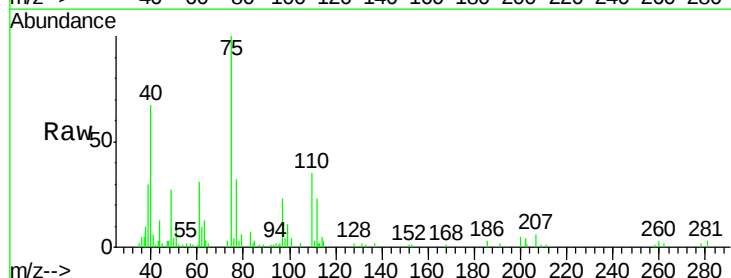
RT: 12.54 min Scan# 1149

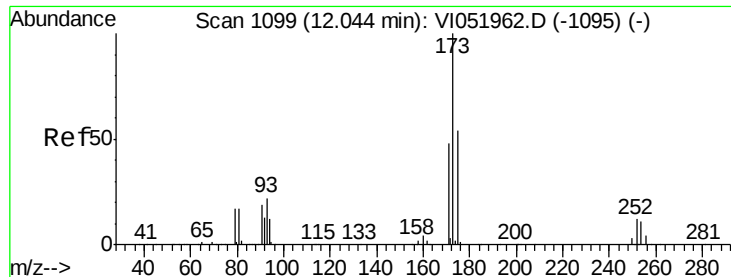
Delta R.T. 0.01 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Tgt Ion:	75	Resp:	28842
Ion	Ratio	Lower	Upper
75	100		
77	33.0	26.0	39.0





#62

Bromoform

Concen: 2.03 ug/L

RT: 12.04 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

ClientSampleId :

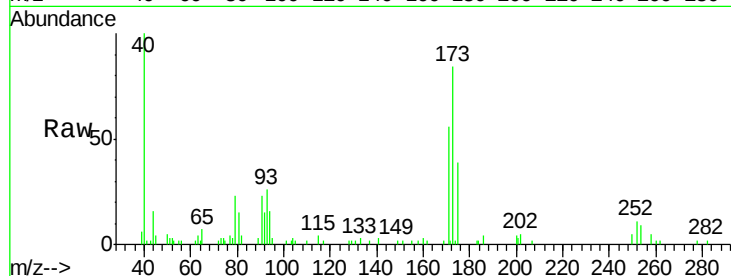
Tot Ion:173 Resp: 13420

Ion Ratio Lower Upper

173 100

175 56.2 40.6 61.0

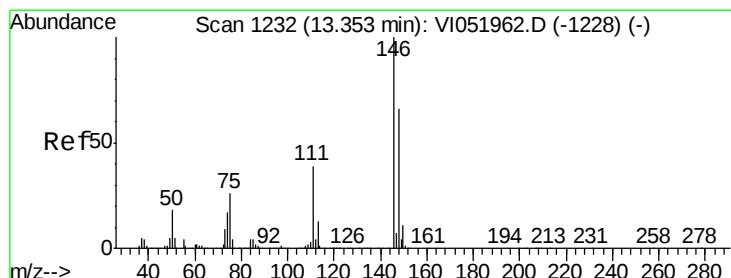
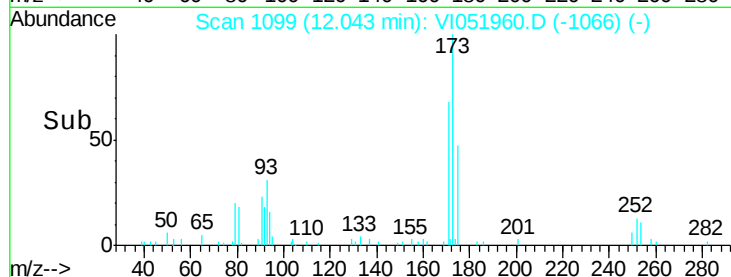
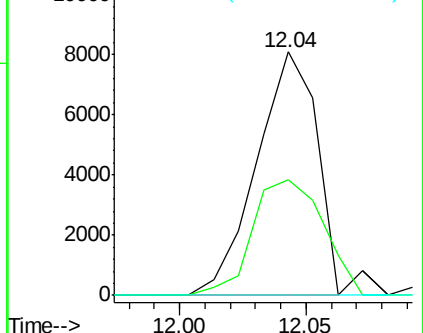
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 2.86 ug/L

RT: 13.35 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

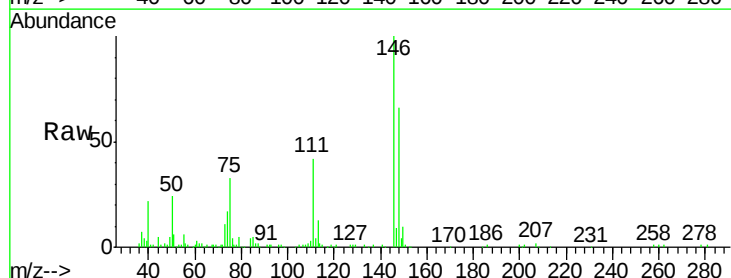
Tgt Ion:146 Resp: 78958

Ion Ratio Lower Upper

146 100

111 41.8 27.4 50.8

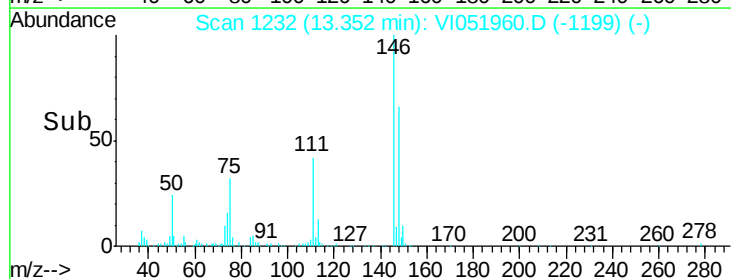
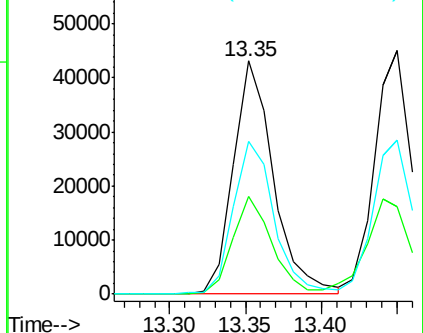
148 65.6 46.3 85.9

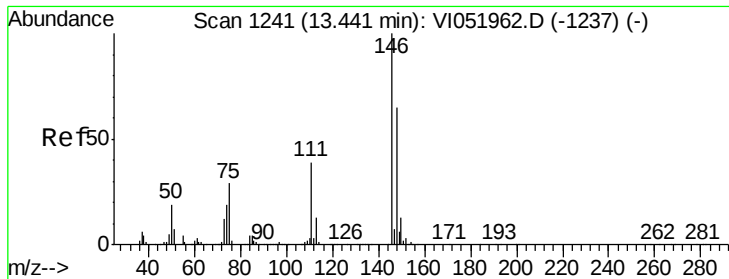


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 2.91 ug/L

RT: 13.45 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

ClientSampled :

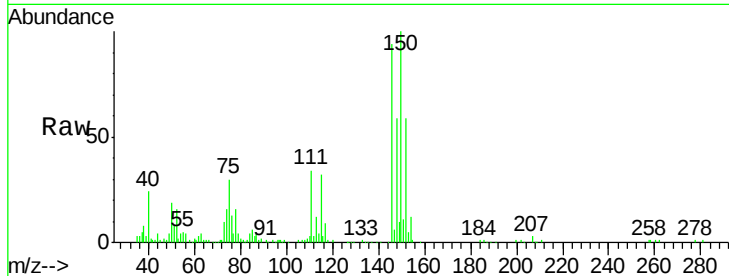
Tot Ion:146 Resp: 81562

Ion Ratio Lower Upper

146 100

111 35.8 27.8 51.6

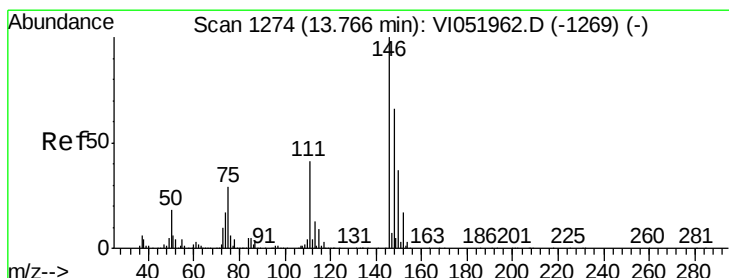
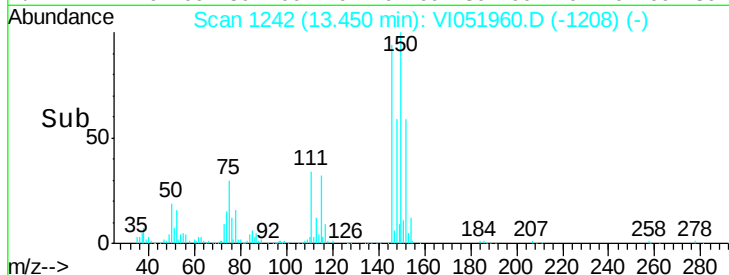
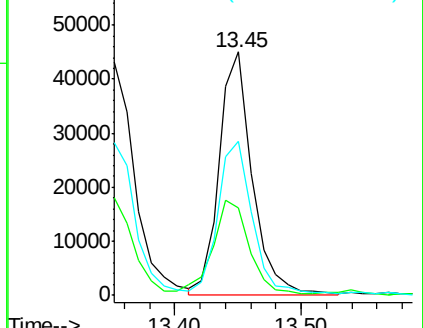
148 63.1 45.9 85.3



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



#65

1,2-Dichlorobenzene

Concen: 3.06 ug/L

RT: 13.77 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

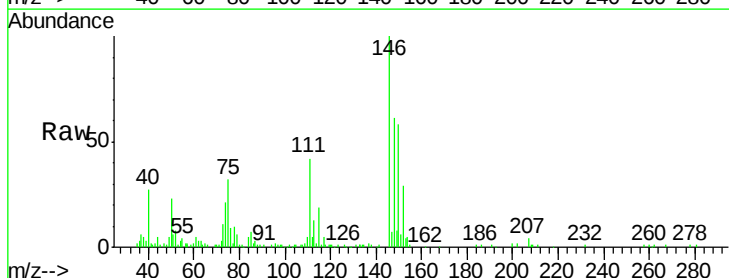
Tgt Ion:146 Resp: 80152

Ion Ratio Lower Upper

146 100

111 42.1 32.8 49.2

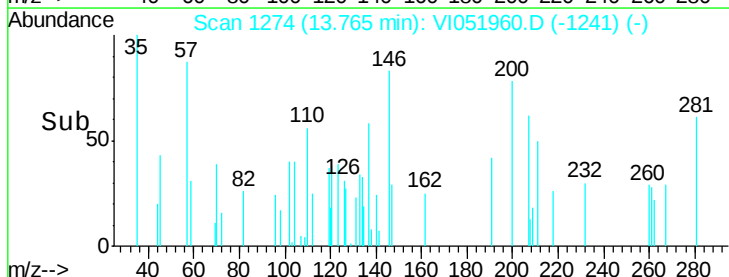
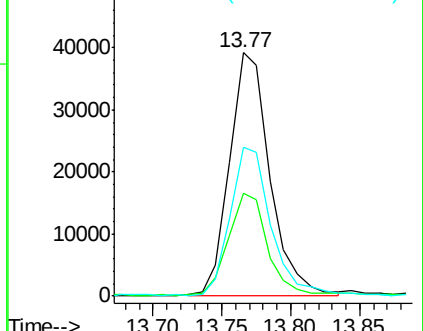
148 61.1 52.7 79.1

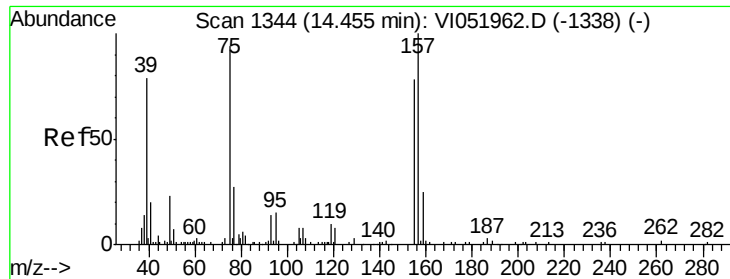


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#66

1,2-Dibromo-3-chloropropane

Concen: 3.32 ug/L

RT: 14.46 min Scan# 1345

Delta R.T. 0.01 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

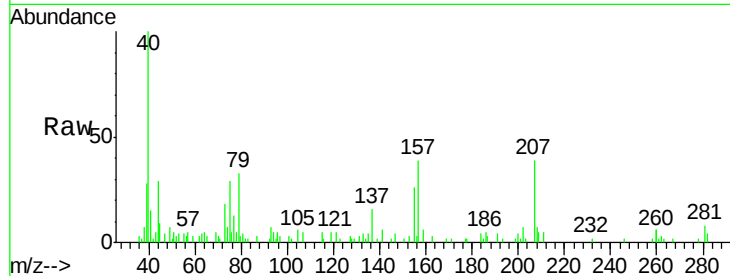
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 75 Resp: 8170

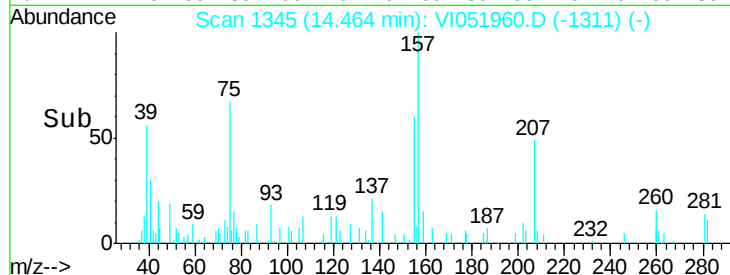
Ion	Ratio	Lower	Upper
75	100		
157	137.3	83.9	125.9#
155	90.7	64.6	97.0



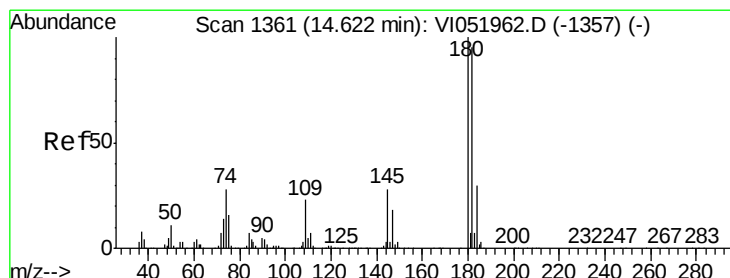
Abundance Ion 75.00 (74.70 to 75.70): VI051962.D (-1338) (-)

Ion 157.00 (156.70 to 157.70): VI051962.D (-1338) (-)

Ion 155.00 (154.70 to 155.70): VI051962.D (-1338) (-)



Time-->



#67

1,3,5-Trichlorobenzene

Concen: 3.01 ug/L

RT: 14.63 min Scan# 1362

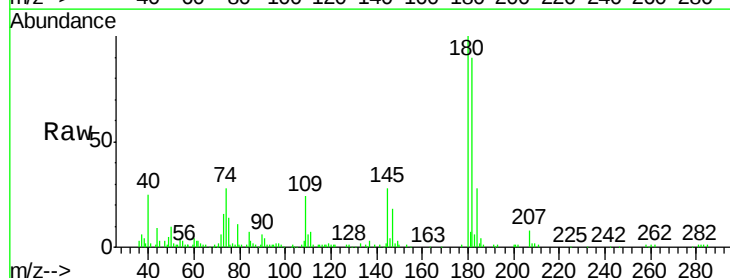
Delta R.T. 0.01 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Tgt Ion: 180 Resp: 69234

Ion	Ratio	Lower	Upper
180	100		
182	91.1	77.7	116.5
184	28.8	24.5	36.7
145	28.1	21.7	32.5

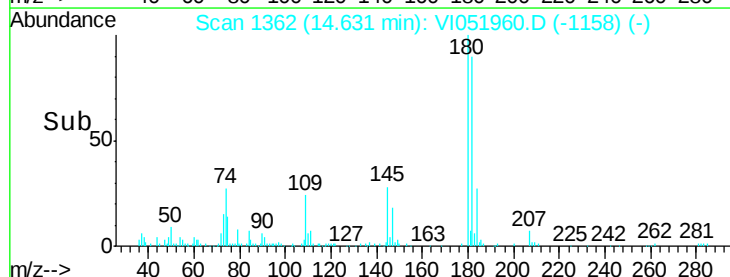


Abundance Ion 180.00 (179.70 to 180.70): VI051962.D (-1357) (-)

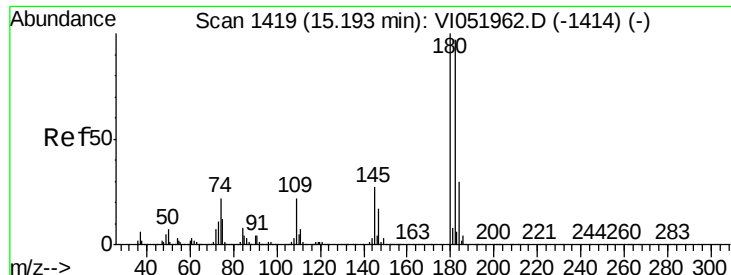
Ion 182.00 (181.70 to 182.70): VI051962.D (-1357) (-)

Ion 184.00 (183.70 to 184.70): VI051962.D (-1357) (-)

Ion 145.00 (144.70 to 145.70): VI051962.D (-1357) (-)



Time-->



#68

1,2,4-trichlorobenzene

Concen: 2.97 ug/L

RT: 15.19 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

Instrument :

BNA_F

ClientSampleId :

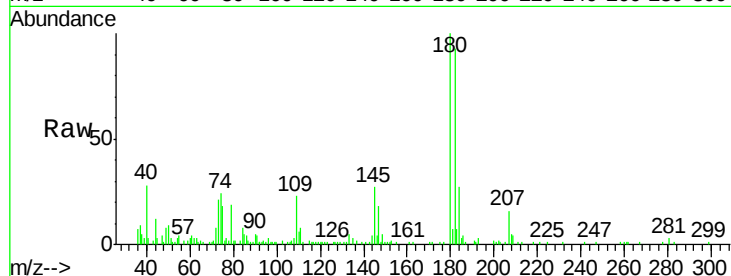
Tot Ion:180 Resp: 55976

Ion Ratio Lower Upper

180 100

182 100.4 77.0 115.4

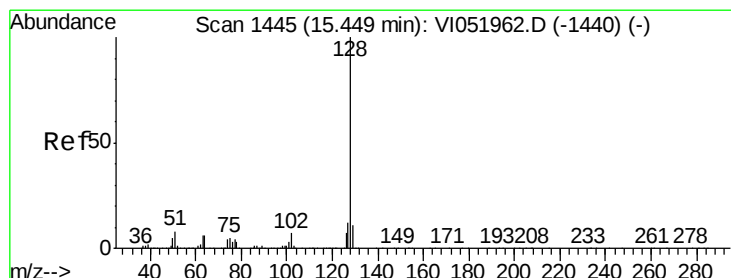
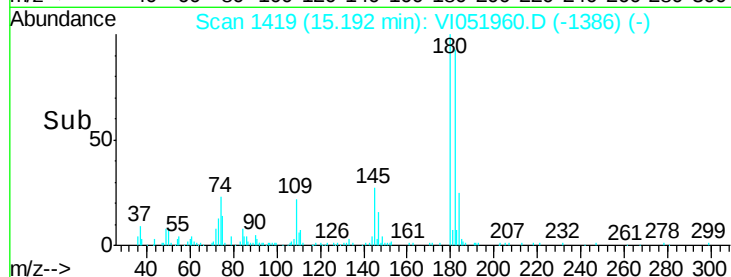
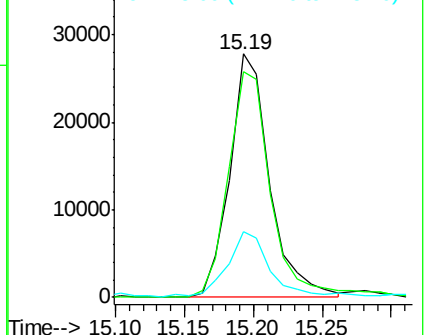
145 27.1 22.4 33.6



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



#69

Naphthalene

Concen: 2.84 ug/L

RT: 15.46 min Scan# 1446

Delta R.T. 0.01 min

Lab File: VI051960.D

Acq: 24 Aug 2017 15:13

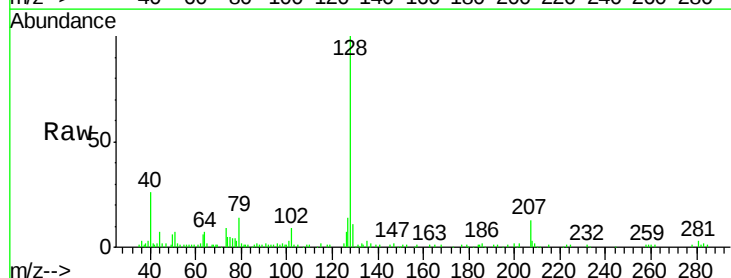
Tgt Ion:128 Resp: 89575

Ion Ratio Lower Upper

128 100

129 11.8 8.9 13.3

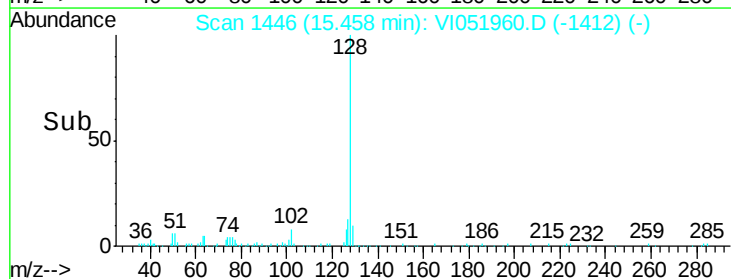
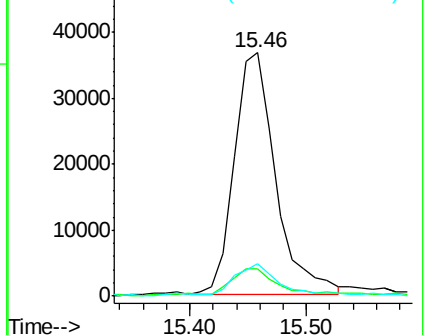
127 13.2 9.8 14.8

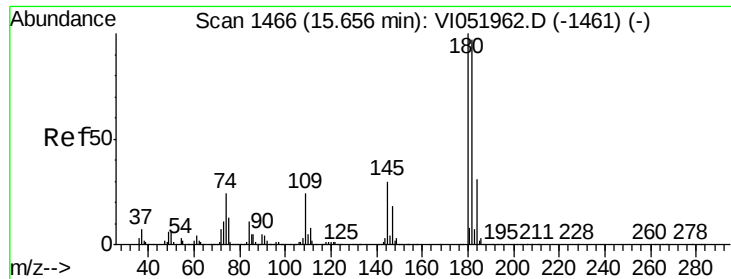


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 3.03 ug/L
 RT: 15.66 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: VI051960.D
 Acq: 24 Aug 2017 15:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.0	78.2	117.4
145	31.1	24.1	36.1

