

Data Path : W:\HPCHEM1\MSVOA I\DATA\VI082417\
 Data File : VI051961.D
 Acq On : 24 Aug 2017 15:40
 Operator : FY/SY
 Sample : VSTD005
 Misc : 5.00g/10mL/MSVOA I/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 25 08:15:43 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	7.92	114	779309	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.21	117	851539	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	420043	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.69	65	50131	5.03	ug/L	0.00
7) Chloroethane-d5	2.09	69	31184	4.87	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.92	63	96427	4.62	ug/L	0.00
20) 2-Butanone-d5	5.67	46	28043	8.17	ug/L	0.01
24) Chloroform-d	6.38	84	82298	4.16	ug/L	0.01
26) 1,2-Dichloroethane-d4	7.22	65	51441	4.85	ug/L	0.00
29) Benzene-d6	7.17	84	161388	4.65	ug/L	0.00
33) 1,2-Dichloropropane-d6	8.43	67	55964	4.85	ug/L	0.00
37) Toluene-d8	9.69	98	182551	4.65	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.01	79	16170	3.88	ug/L	0.00
39) 2-Hexanone-d5	10.42	63	34281	8.40	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.45	84	71417	4.48	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.75	152	79618	4.56	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.44	85	62227	4.47	ug/L	99
3) Chloromethane	1.62	50	74499	4.80	ug/L	85
5) Vinyl chloride	1.70	62	48389	4.38	ug/L	96
6) Bromomethane	2.00	94	40725	5.48	ug/L	95
8) Chloroethane	2.12	64	25492	4.82	ug/L	95
9) Trichlorofluoromethane	2.37	101	72042	4.11	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.96	101	42494	4.51	ug/L	89
12) 1,1-Dichloroethene	2.94	96	38957	4.45	ug/L	96
13) Acetone	2.98	43	32085	9.21	ug/L	99
14) Carbon disulfide	3.20	76	145941	4.68	ug/L	99
15) Methyl Acetate	3.40	43	33543	4.80	ug/L	97
16) Methylene chloride	3.58	84	53599	4.50	ug/L	97
17) Methyl tert-butyl Ether	3.97	73	112506	4.96	ug/L	98
18) trans-1,2-Dichloroethene	3.99	96	42512	4.66	ug/L	86
19) 1,1-Dichloroethane	4.71	63	85323	4.72	ug/L	96
21) 2-Butanone	5.77	43	40539	9.08	ug/L	97
22) cis-1,2-Dichloroethene	5.76	96	51658	4.68	ug/L	88
23) Bromochloromethane	6.18	128	29899	5.87	ug/L	97
25) Chloroform	6.41	83	84415	4.17	ug/L	99
27) 1,2-Dichloroethane	7.34	62	66220	4.38	ug/L	99
30) Cyclohexane	6.75	56	67098	4.43	ug/L	92
31) 1,1,1-Trichloroethane	6.63	97	45940	3.33	ug/L	96
32) Carbon tetrachloride	6.90	117	16137	3.28	ug/L	97
34) Benzene	7.23	78	174321	4.83	ug/L	100
35) Trichloroethene	8.21	95	56905	4.41	ug/L	98
36) Methylcyclohexane	8.50	83	77954	4.56	ug/L	98
40) 1,2-Dichloropropane	8.54	63	53030	4.95	ug/L	# 96
41) Bromodichloromethane	8.89	83	44887	4.34	ug/L	99
42) cis-1,3-Dichloropropene	9.40	75	46538	4.22	ug/L	98
43) 4-Methyl-2-pentanone	9.58	43	124039	9.27	ug/L	96

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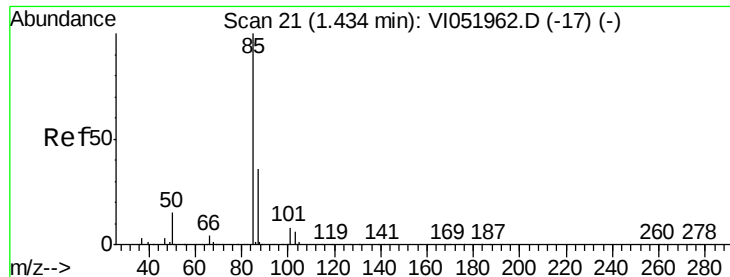
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 25 08:15:43 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)

44) Toluene	9.76	91	233200	4.79	ug/L	98
45) trans-1,3-Dichloropropene	10.04	75	43378	4.35	ug/L	99
46) 1,1,2-Trichloroethane	10.25	97	52417	4.72	ug/L	94
47) Tetrachloroethene	10.31	164	56869	4.54	ug/L	94
49) 2-Hexanone	10.47	43	85249	8.67	ug/L	93
50) Dibromochloromethane	10.64	129	45028	4.75	ug/L	98
51) 1,2-Dibromoethane	10.75	107	53187	6.13	ug/L	99
52) Chlorobenzene	11.24	112	182923	4.81	ug/L	96
53) Ethylbenzene	11.34	91	301605	5.15	ug/L	100
54) m,p-Xylene	11.47	106	119002	4.89	ug/L	95
55) o-xylene	11.84	106	110829	4.72	ug/L	99
56) Styrene	11.86	104	190303	4.87	ug/L	97
57) Isopropylbenzene	12.18	105	307012	5.11	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.47	83	75700	4.51	ug/L	97
59) 1,2,3-Trichloropropane	12.53	75	55324	5.31	ug/L	98
62) Bromoform	12.04	173	30279	4.19	ug/L #	98
63) 1,3-Dichlorobenzene	13.36	146	151536	5.03	ug/L	97
64) 1,4-Dichlorobenzene	13.44	146	151938	4.97	ug/L	99
65) 1,2-Dichlorobenzene	13.77	146	137466	4.81	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.47	75	11689	4.34	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	128755	5.12	ug/L	97
68) 1,2,4-trichlorobenzene	15.20	180	104906	5.10	ug/L	98
69) Naphthalene	15.45	128	177606	5.16	ug/L	98
70) 1,2,3-Trichlorobenzene	15.66	180	87300	4.93	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.47 ug/L

RT: 1.44 min Scan# 21

Delta R.T. 0.00 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

Instrument :

BNA_F

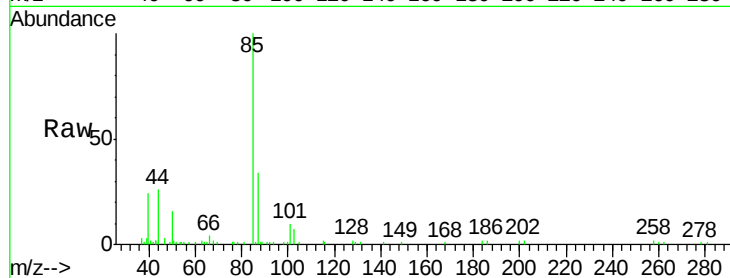
ClientSampleId :

Tot Ion: 85 Resp: 62227

Ion Ratio Lower Upper

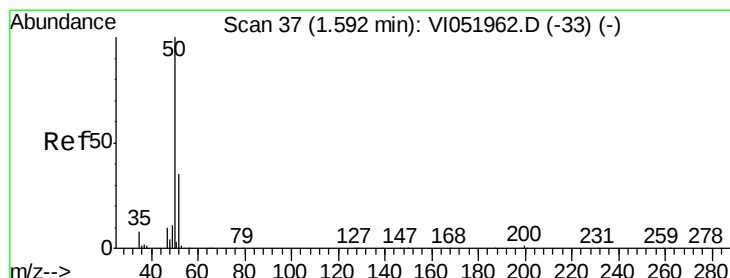
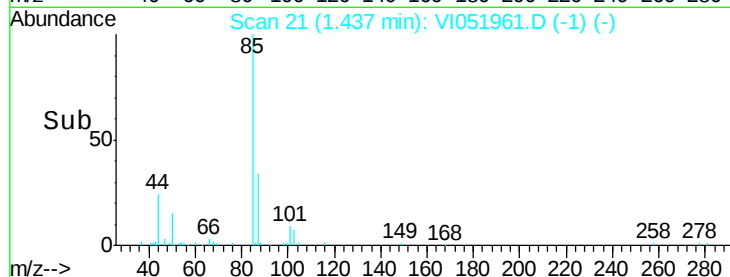
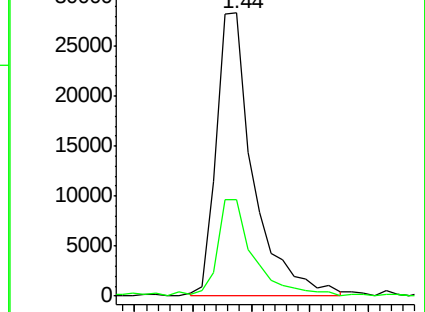
85 100

87 33.2 22.8 42.4



Abundance Ion 85.00 (84.70 to 85.70): VI051961.D (-17) (-)

Ion 87.00 (86.70 to 87.70): VI051961.D (-17) (-)



#3

Chloromethane

Concen: 4.80 ug/L

RT: 1.62 min Scan# 40

Delta R.T. 0.03 min

Lab File: VI051961.D

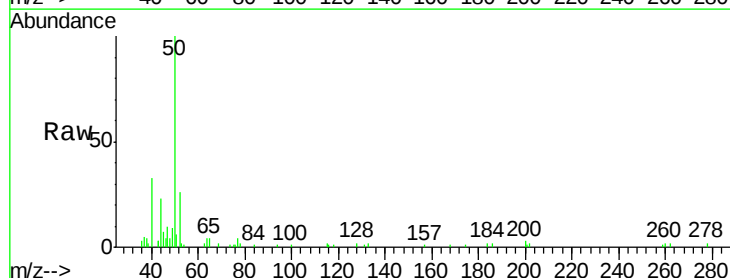
Acq: 24 Aug 2017 15:40

Tgt Ion: 50 Resp: 74499

Ion Ratio Lower Upper

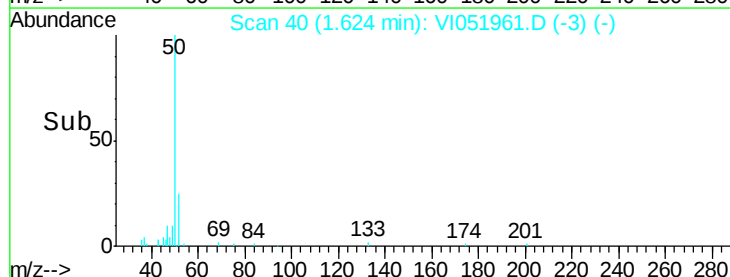
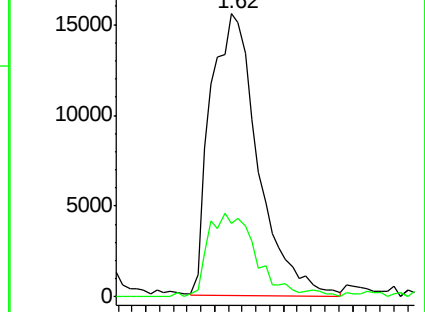
50 100

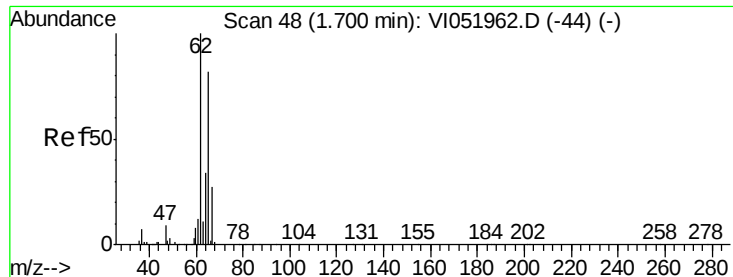
52 26.1 24.2 45.0



Abundance Ion 50.00 (49.70 to 50.70): VI051961.D (-33) (-)

Ion 52.00 (51.70 to 52.70): VI051961.D (-33) (-)





#5

Vinyl chloride

Concen: 4.38 ug/L

RT: 1.70 min Scan# 48

Delta R.T. 0.00 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

Instrument :

BNA_F

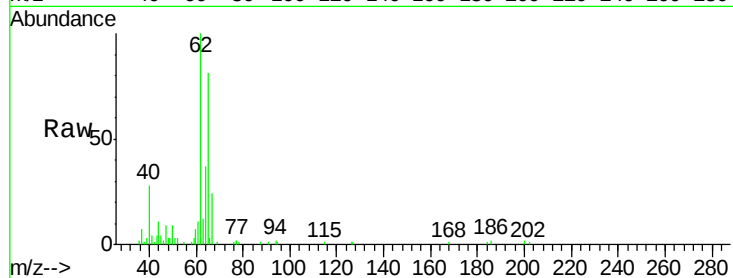
ClientSampled :

Tot Ion: 62 Resp: 48389

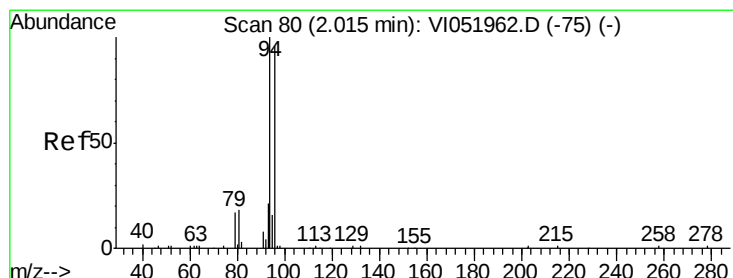
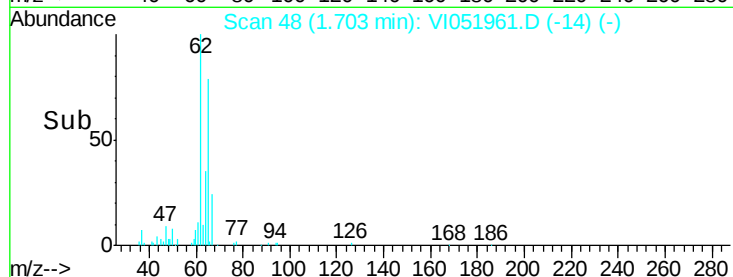
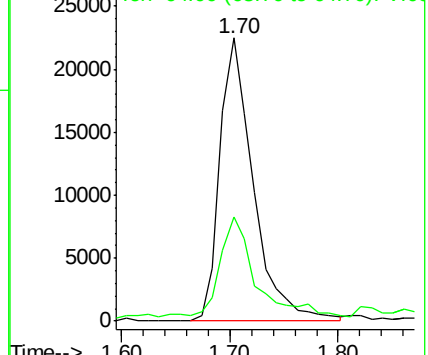
Ion Ratio Lower Upper

62 100

64 36.8 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VI051961.D (-44) (-)



#6

Bromomethane

Concen: 5.48 ug/L

RT: 2.00 min Scan# 78

Delta R.T. -0.02 min

Lab File: VI051961.D

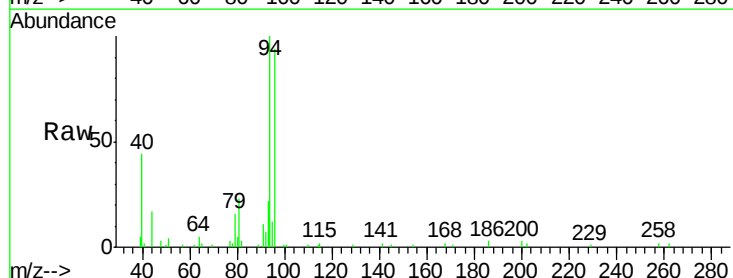
Acq: 24 Aug 2017 15:40

Tgt Ion: 94 Resp: 40725

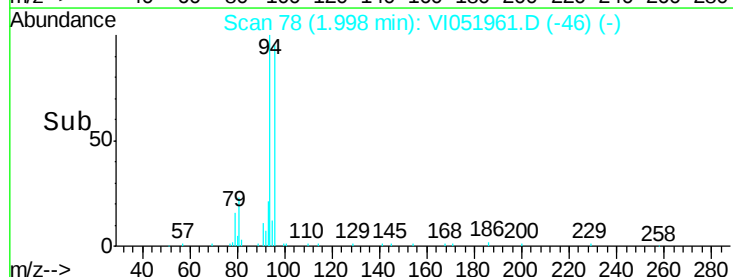
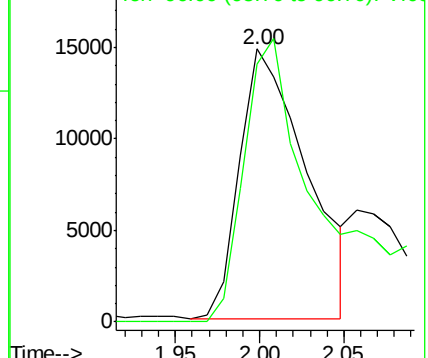
Ion Ratio Lower Upper

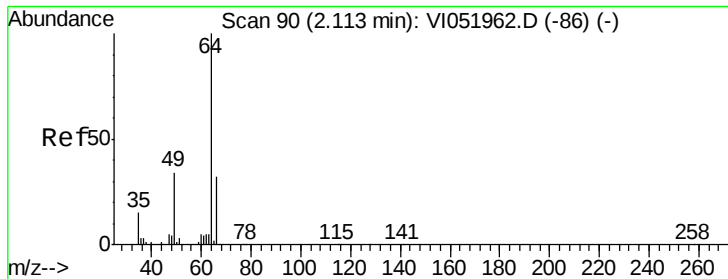
94 100

96 95.3 10.0 190.2



Abundance Ion 94.00 (93.70 to 94.70): VI051961.D (-75) (-)





#8

Chloroethane

Concen: 4.82 ug/L

RT: 2.12 min Scan# 90

Delta R.T. 0.00 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

Instrument :

BNA_F

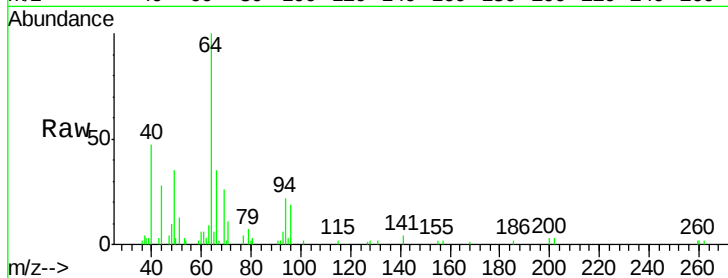
ClientSampleId :

Tot Ion: 64 Resp: 25492

Ion Ratio Lower Upper

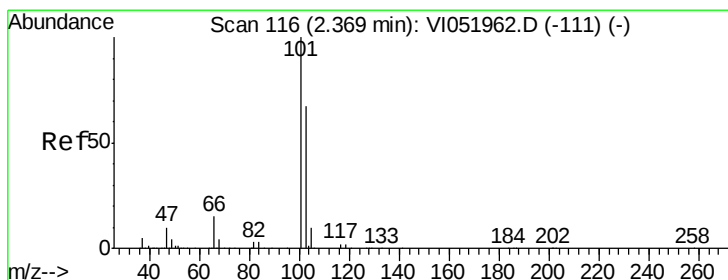
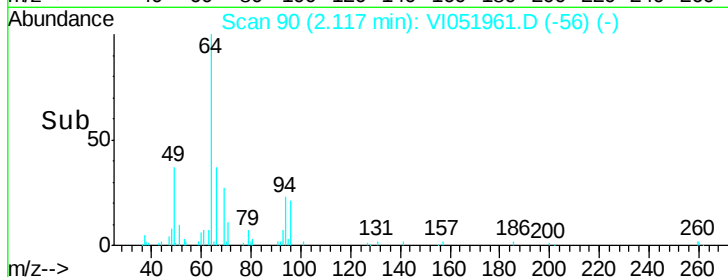
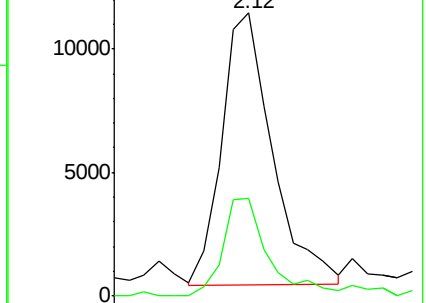
64 100

66 34.6 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VI051961.D (-86) (-)

Ion 66.00 (65.70 to 66.70): VI051961.D (-86) (-)



#9

Trichlorofluoromethane

Concen: 4.11 ug/L

RT: 2.37 min Scan# 116

Delta R.T. 0.00 min

Lab File: VI051961.D

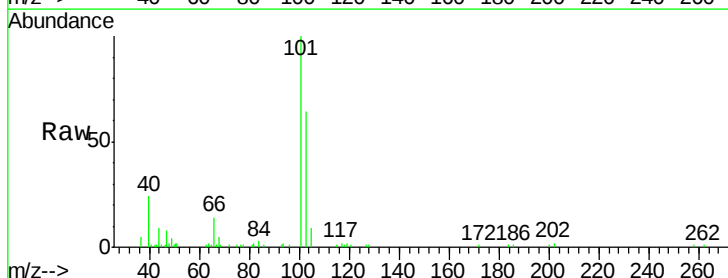
Acq: 24 Aug 2017 15:40

Tgt Ion: 101 Resp: 72042

Ion Ratio Lower Upper

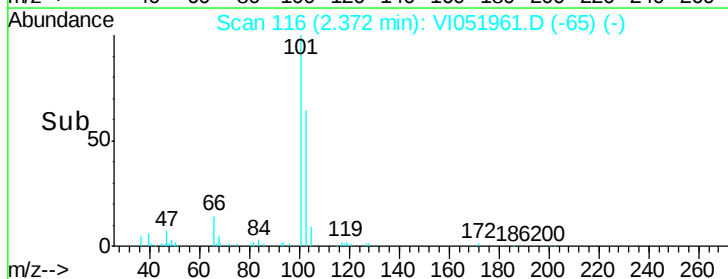
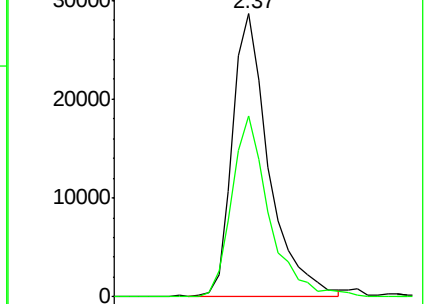
101 100

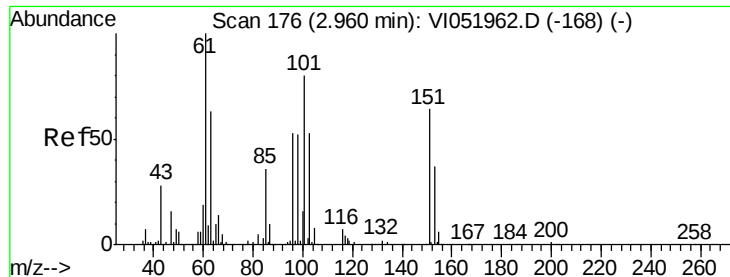
103 63.9 46.2 85.8



Abundance Ion 101.00 (100.70 to 101.70): VI051961.D (-111) (-)

Ion 103.00 (102.70 to 103.70): VI051961.D (-111) (-)





#11

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

Concen: 4.51 ug/L

RT: 2.96 min Scan# 176

Delta R.T. 0.00 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

Instrument :

BNA_F

ClientSampleId :

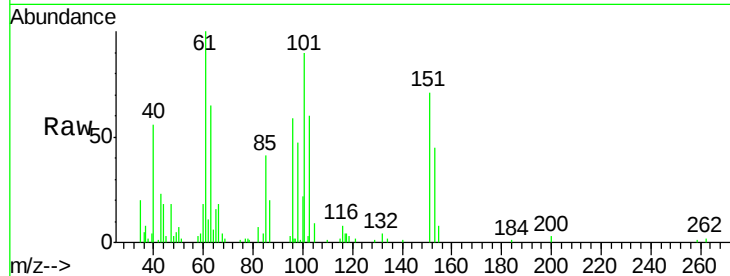
Tot Ion:101 Resp: 42494

Ion Ratio Lower Upper

101 100

85 42.1 35.2 52.8

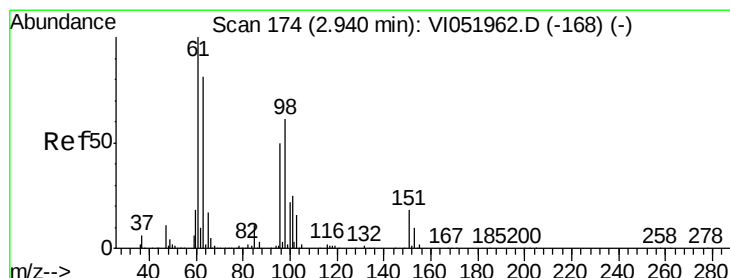
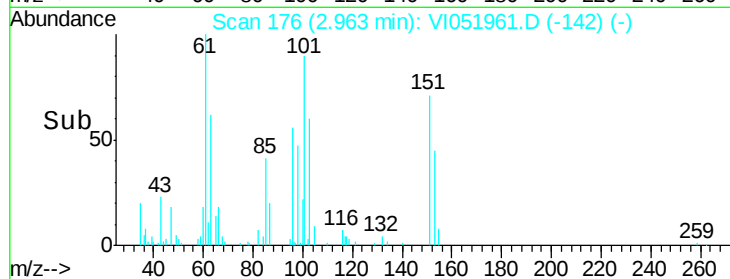
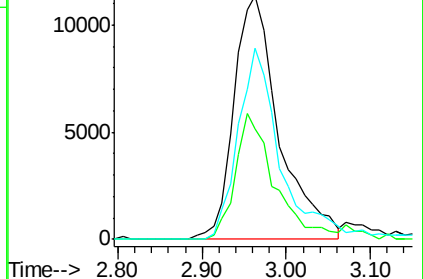
151 66.3 64.2 96.4



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: 4.45 ug/L

RT: 2.94 min Scan# 174

Delta R.T. 0.00 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

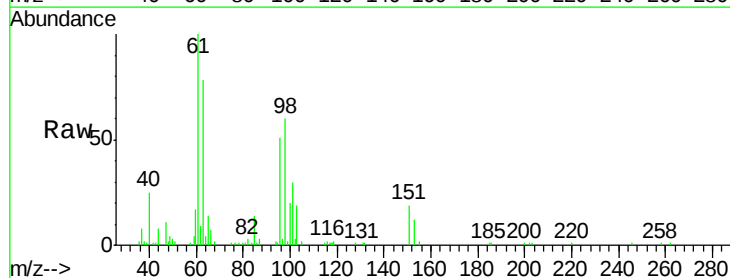
Tgt Ion: 96 Resp: 38957

Ion Ratio Lower Upper

96 100

61 197.7 139.4 258.8

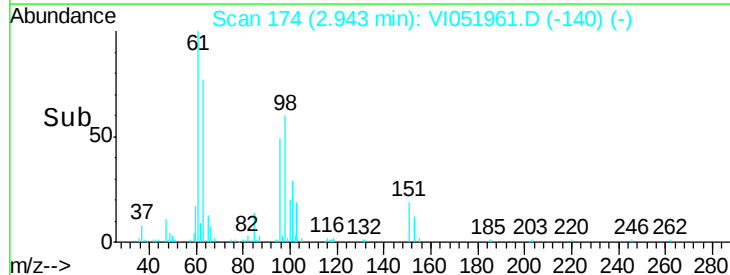
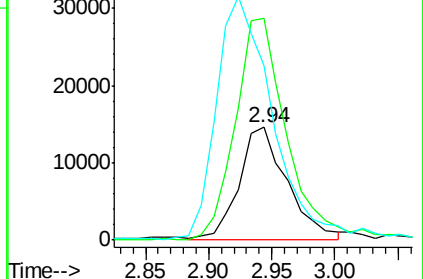
63 154.9 114.7 213.1

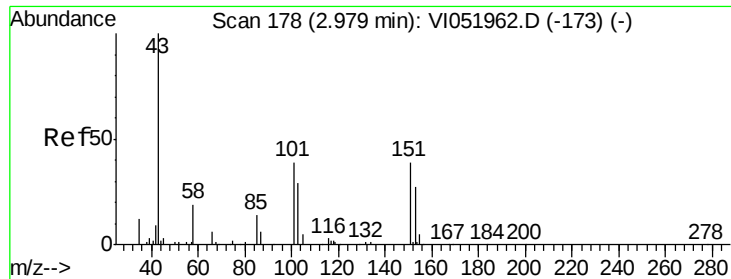


Abundance Ion 96.00 (95.70 to 96.70): VI05

Ion 61.00 (60.70 to 61.70): VI05

Ion 63.00 (62.70 to 63.70): VI05





#13

Acetone

Concen: 9.21 ug/L

RT: 2.98 min Scan# 178

Delta R.T. 0.00 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

Instrument :

BNA_F

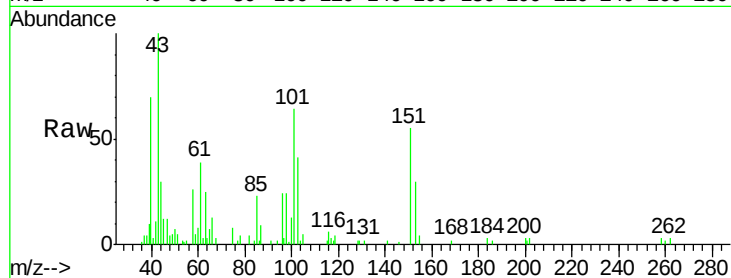
ClientSampleId :

Tot Ion: 43 Resp: 32085

Ion Ratio Lower Upper

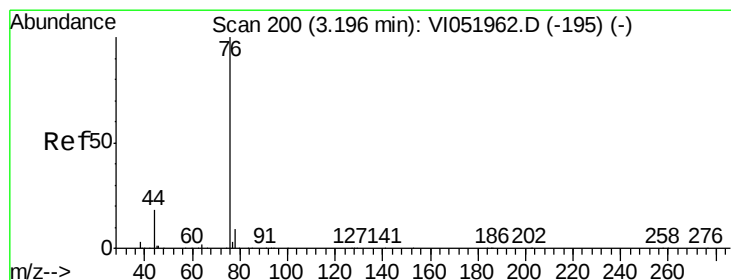
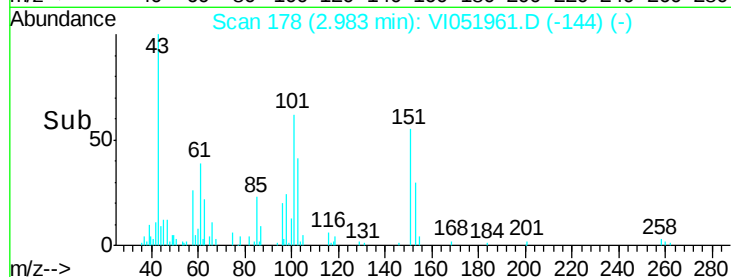
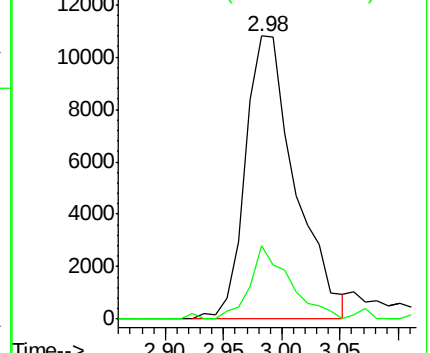
43 100

58 20.7 0.0 40.2



Abundance Ion 43.00 (42.70 to 43.70): VI051961.D (-144) (-)

Ion 58.00 (57.70 to 58.70): VI051961.D (-144) (-)



#14

Carbon disulfide

Concen: 4.68 ug/L

RT: 3.20 min Scan# 200

Delta R.T. 0.00 min

Lab File: VI051961.D

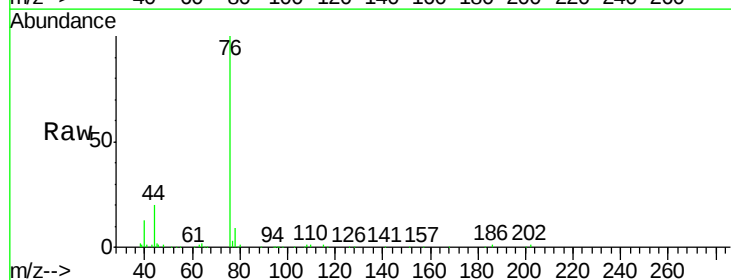
Acq: 24 Aug 2017 15:40

Tgt Ion: 76 Resp: 145941

Ion Ratio Lower Upper

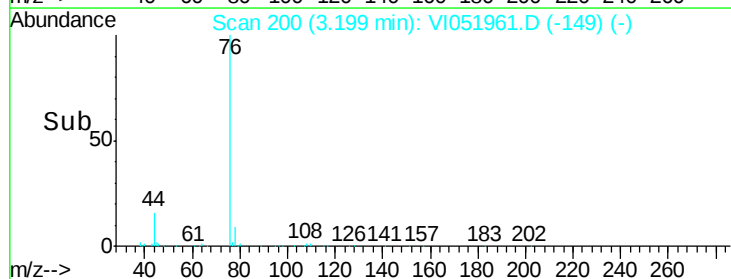
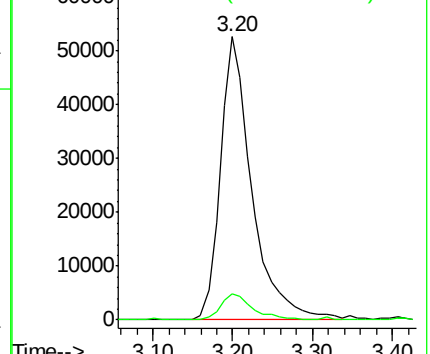
76 100

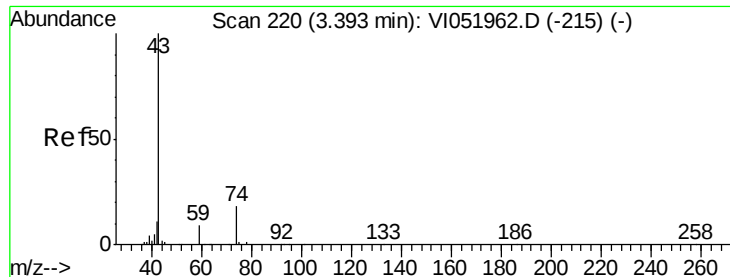
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VI051961.D (-149) (-)

Ion 78.00 (77.70 to 78.70): VI051961.D (-149) (-)

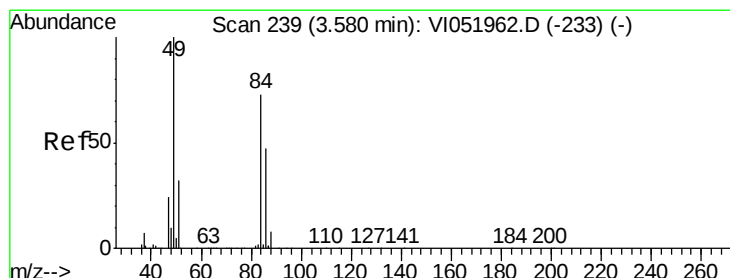
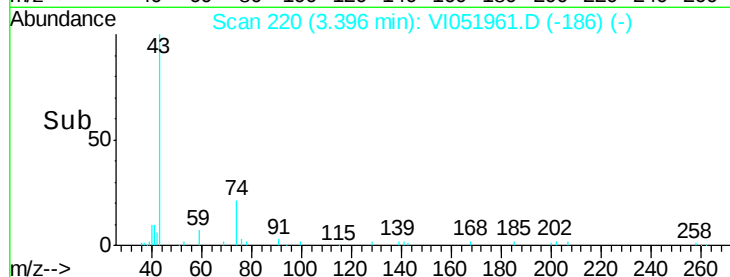
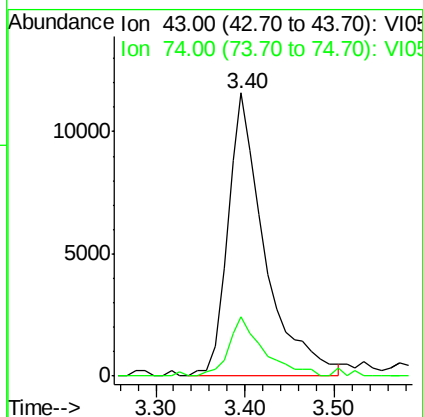
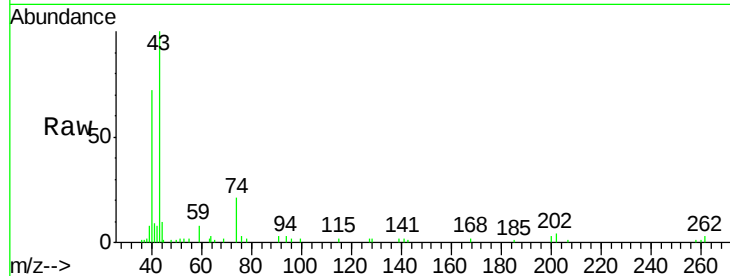




#15
Methvl Acetate
Concen: 4.80 ug/L
RT: 3.40 min Scan# 220
Delta R.T. 0.00 min
Lab File: VI051961.D
Acq: 24 Aug 2017 15:40

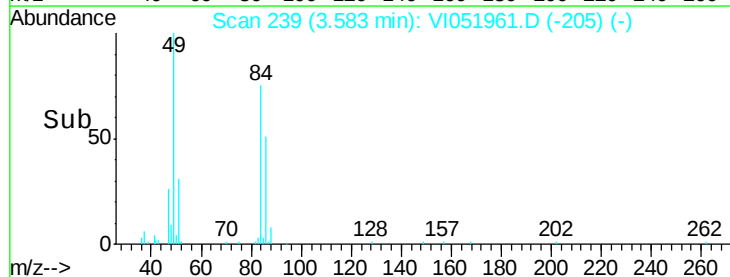
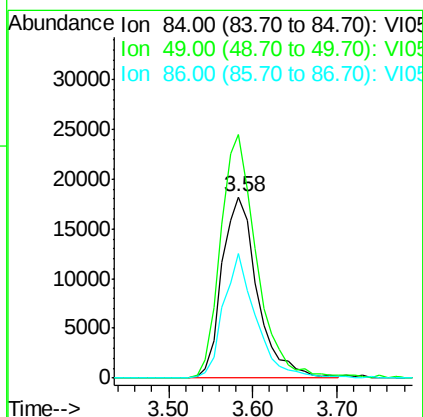
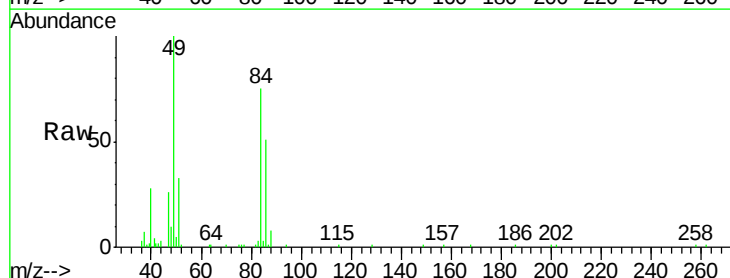
Instrument :
BNA_F
ClientSampleId :

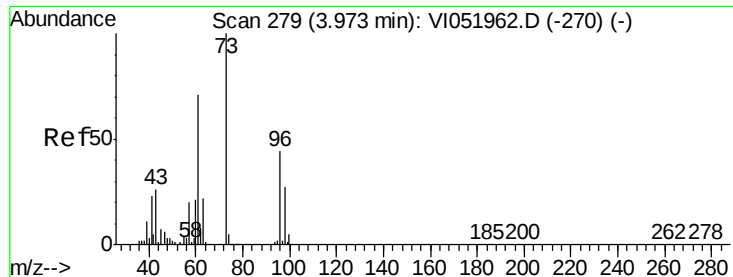
Tot Ion: 43 Resp: 33543
Ion Ratio Lower Upper
43 100
74 18.6 13.7 20.5



#16
Methylene chloride
Concen: 4.50 ug/L
RT: 3.58 min Scan# 239
Delta R.T. 0.00 min
Lab File: VI051961.D
Acq: 24 Aug 2017 15:40

Tgt Ion: 84 Resp: 53599
Ion Ratio Lower Upper
84 100
49 134.2 95.6 177.6
86 68.8 44.9 83.3

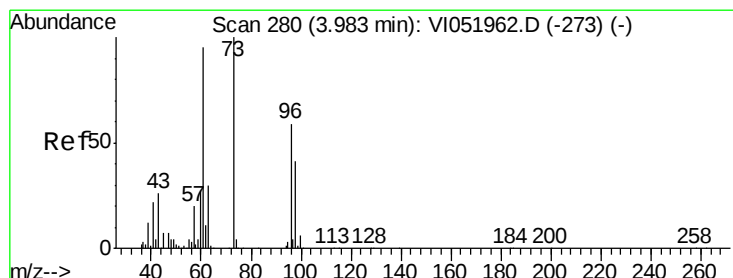
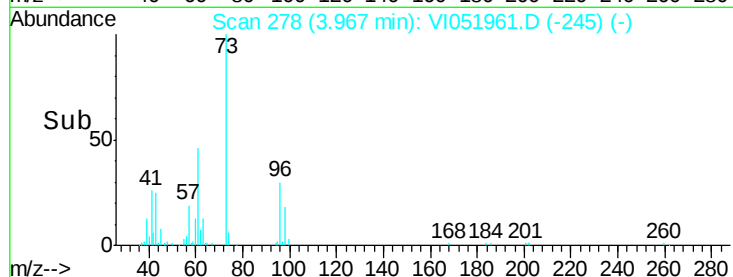
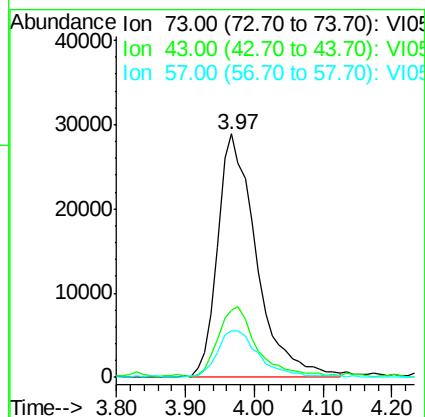
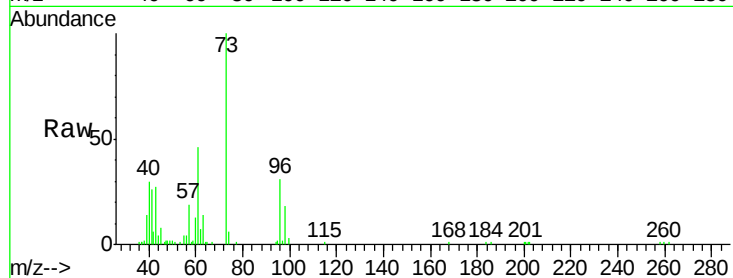




#17
Methvl tert-butvl Ether
Concen: 4.96 ug/L
RT: 3.97 min Scan# 278
Delta R.T. -0.01 min
Lab File: VI051961.D
Acq: 24 Aug 2017 15:40

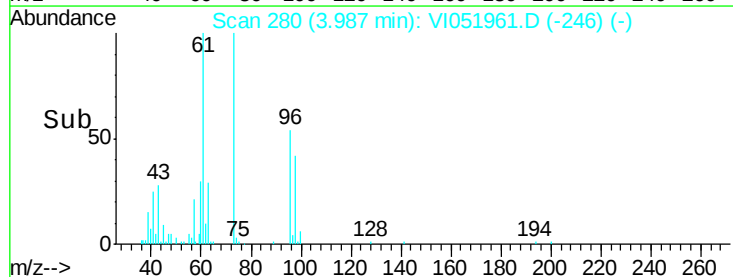
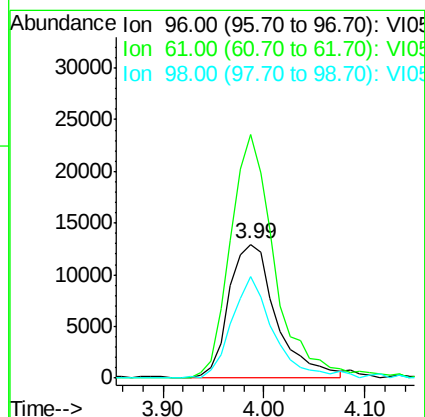
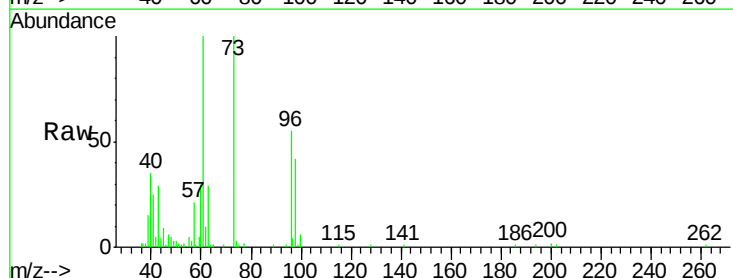
Instrument :
BNA_F
ClientSampleId :

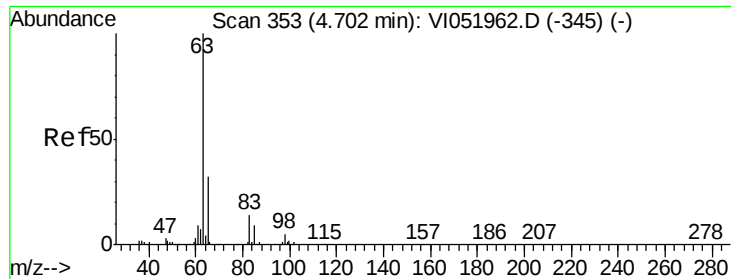
Tot Ion: 73 Resp: 112506
Ion Ratio Lower Upper
73 100
43 28.8 22.3 33.5
57 20.3 15.8 23.6



#18
trans-1,2-Dichloroethene
Concen: 4.66 ug/L
RT: 3.99 min Scan# 280
Delta R.T. 0.00 min
Lab File: VI051961.D
Acq: 24 Aug 2017 15:40

Tgt Ion: 96 Resp: 42512
Ion Ratio Lower Upper
96 100
61 181.6 112.1 208.3
98 75.7 48.5 90.1

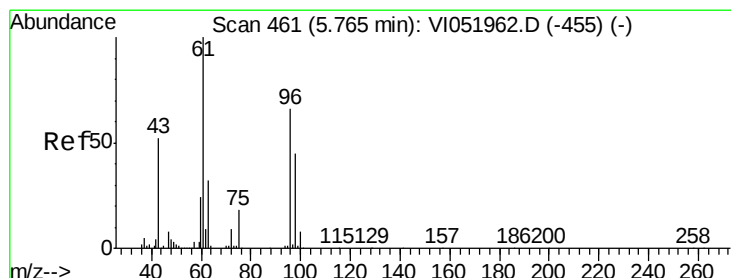
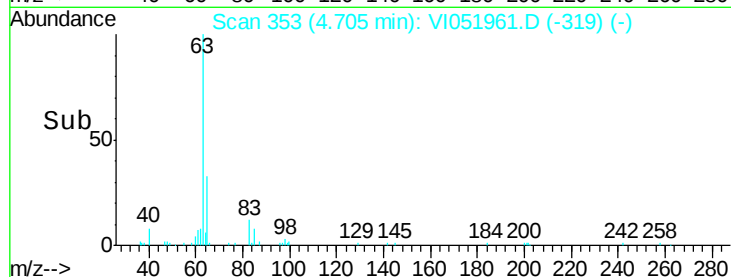
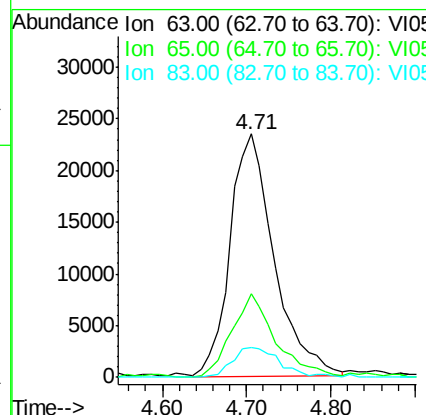
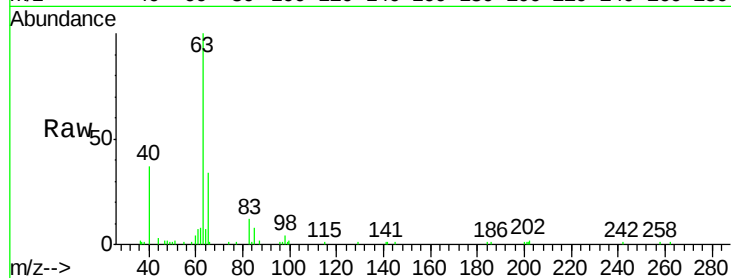




#19
 1,1-Dichloroethane
 Concen: 4.72 ug/L
 RT: 4.71 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VI051961.D
 Acq: 24 Aug 2017 15:40

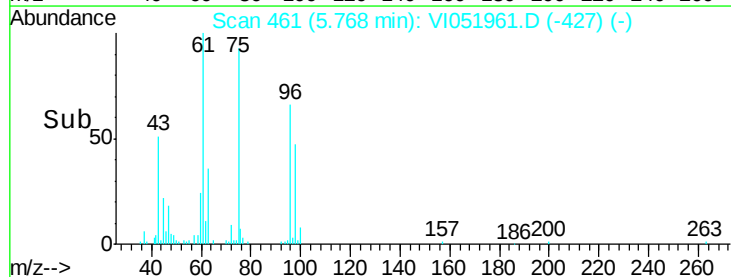
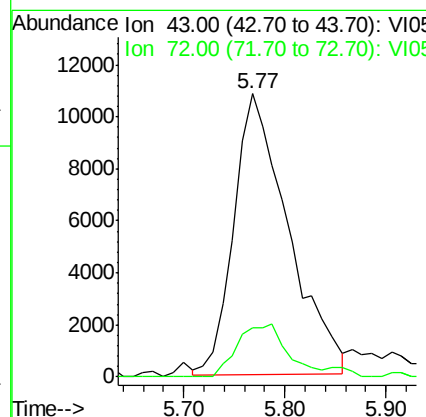
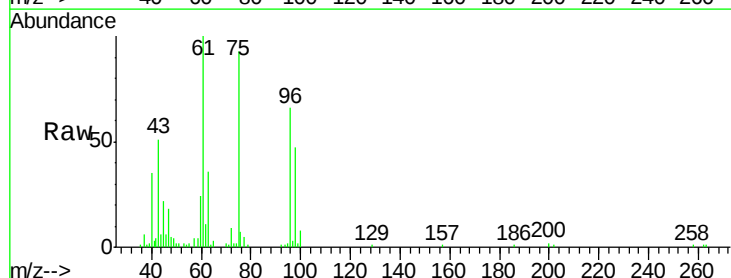
Instrument :
 BNA_F
 ClientSampleId :

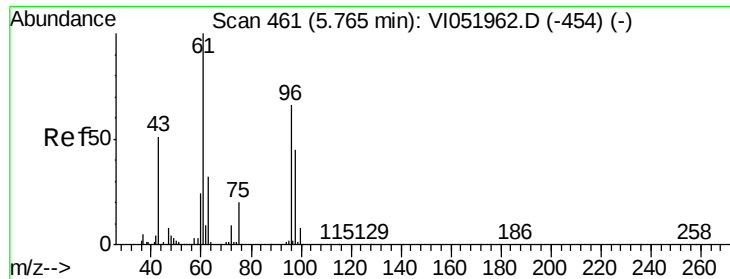
Tot Ion	Ratio	Lower	Upper
63	100		
65	34.3	22.3	41.3
83	13.0	9.9	18.5



#21
 2-Butanone
 Concen: 9.08 ug/L
 RT: 5.77 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VI051961.D
 Acq: 24 Aug 2017 15:40

Tgt Ion	Ratio	Lower	Upper
43	100		
72	17.2	9.2	27.6





#22

cis-1,2-Dichloroethene

Concen: 4.68 ug/L

RT: 5.76 min Scan# 460

Delta R.T. -0.01 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

Instrument :

BNA_F

ClientSampled :

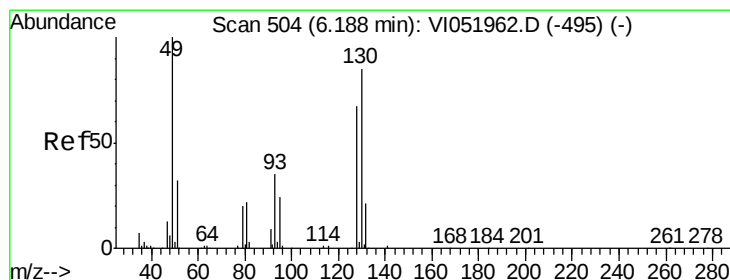
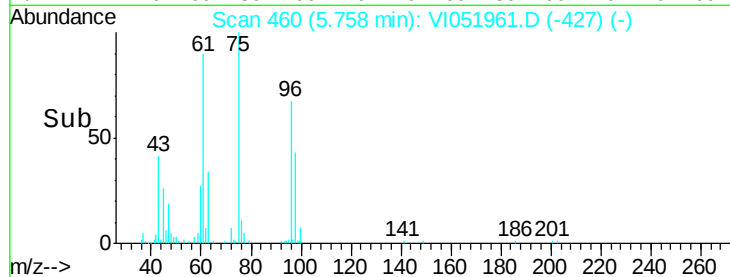
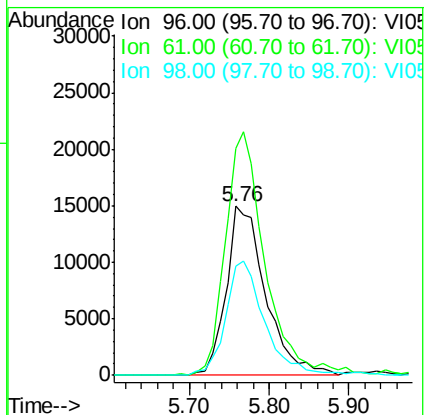
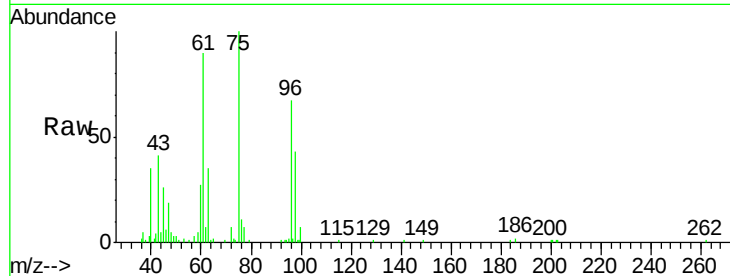
Tot Ion: 96 Resp: 51658

Ion Ratio Lower Upper

96 100

61 134.1 106.8 198.4

98 64.4 48.2 89.4



#23

Bromochloromethane

Concen: 5.87 ug/L

RT: 6.18 min Scan# 503

Delta R.T. -0.01 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

Tgt Ion: 128 Resp: 29899

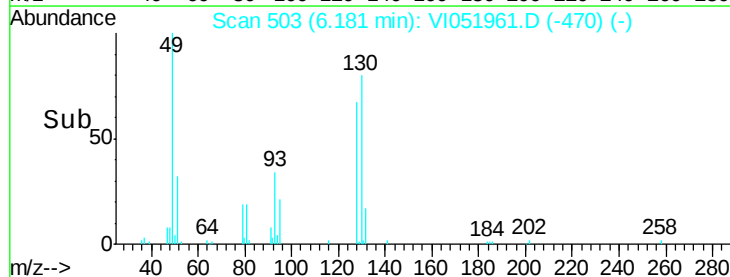
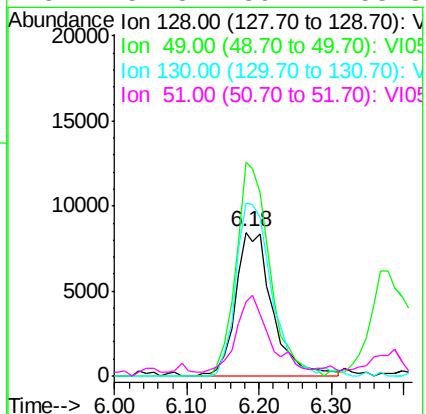
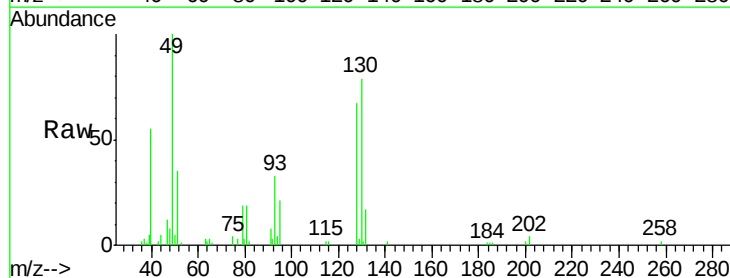
Ion Ratio Lower Upper

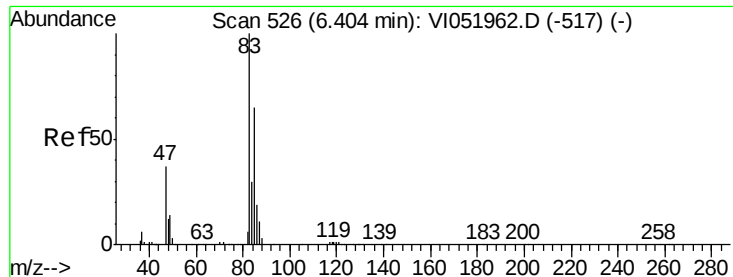
128 100

49 148.5 104.2 193.4

130 120.2 88.2 163.8

51 51.8 39.2 58.8

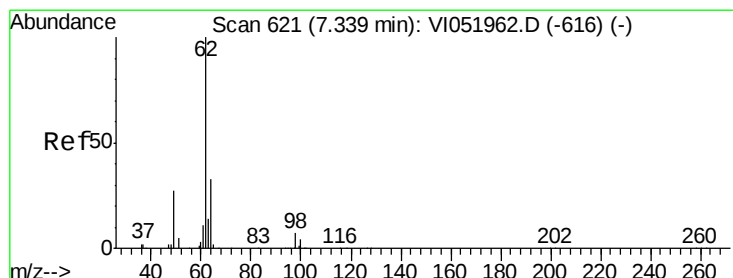
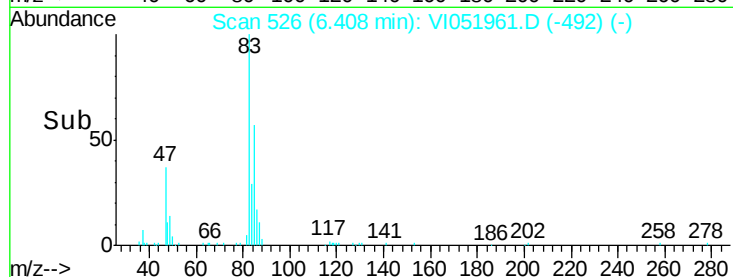
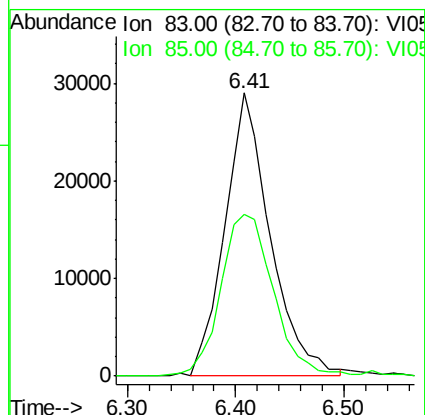
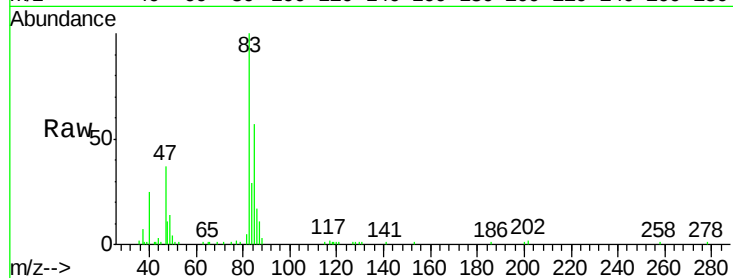




#25
Chloroform
Concen: 4.17 ug/L
RT: 6.41 min Scan# 526
Delta R.T. 0.00 min
Lab File: VI051961.D
Acq: 24 Aug 2017 15:40

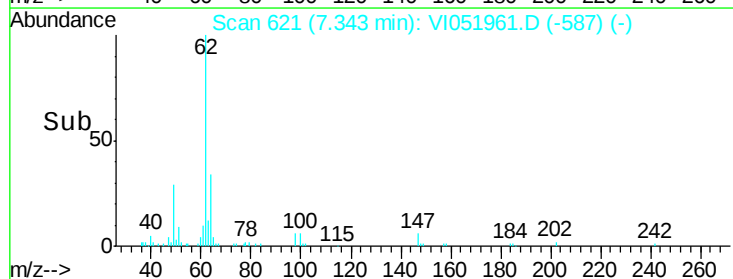
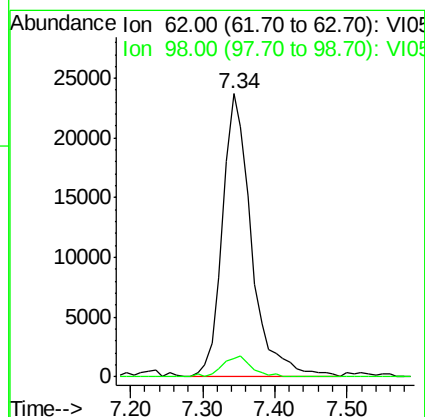
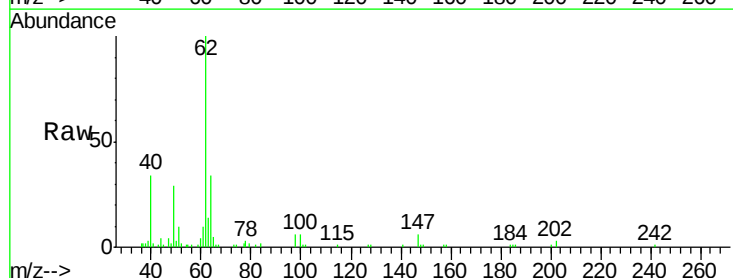
Instrument :
BNA_F
ClientSampleId :

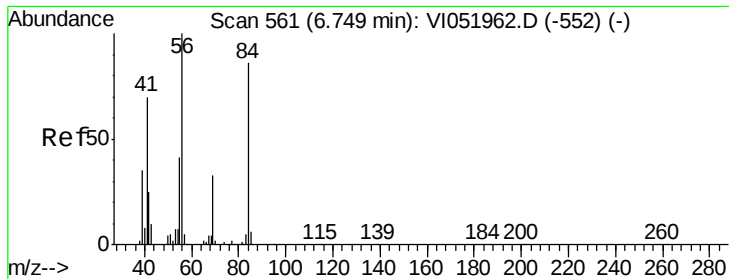
Tot Ion: 83 Resp: 84415
Ion Ratio Lower Upper
83 100
85 65.6 46.3 85.9



#27
1,2-Dichloroethane
Concen: 4.38 ug/L
RT: 7.34 min Scan# 621
Delta R.T. 0.00 min
Lab File: VI051961.D
Acq: 24 Aug 2017 15:40

Tgt Ion: 62 Resp: 66220
Ion Ratio Lower Upper
62 100
98 6.5 5.5 8.3

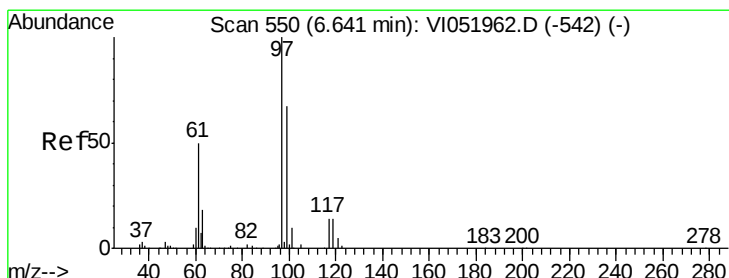
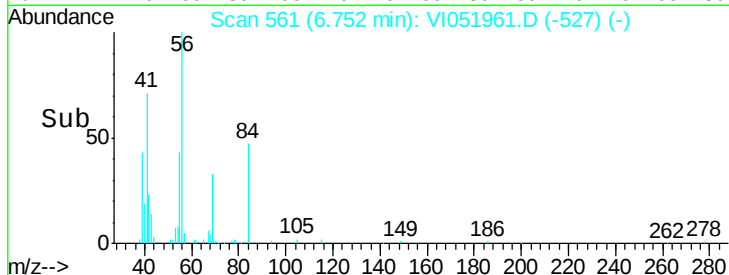
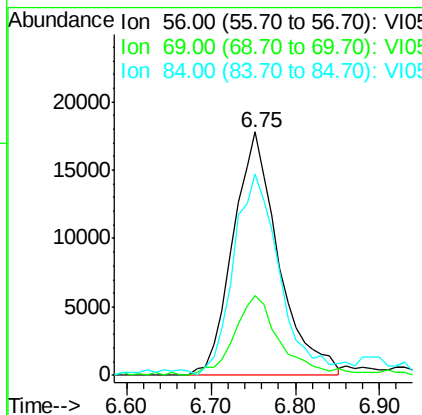
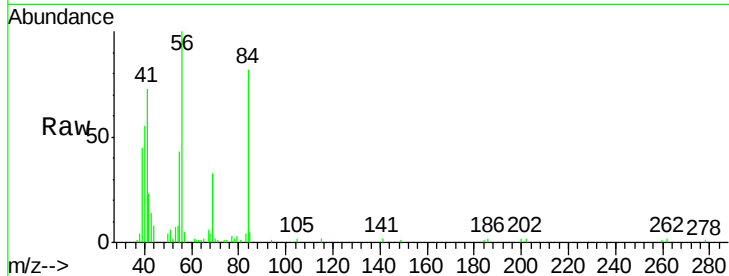




#30
Cyclohexane
Concen: 4.43 ug/L
RT: 6.75 min Scan# 561
Delta R.T. 0.00 min
Lab File: VI051961.D
Acq: 24 Aug 2017 15:40

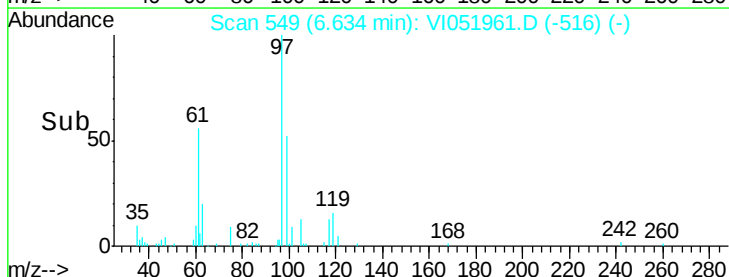
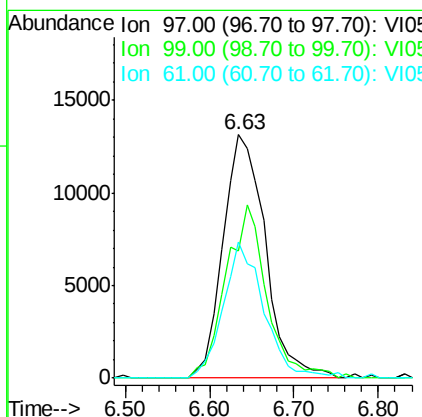
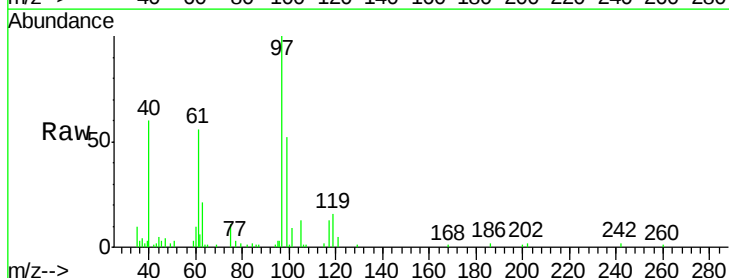
Instrument :
BNA_F
ClientSampleId :

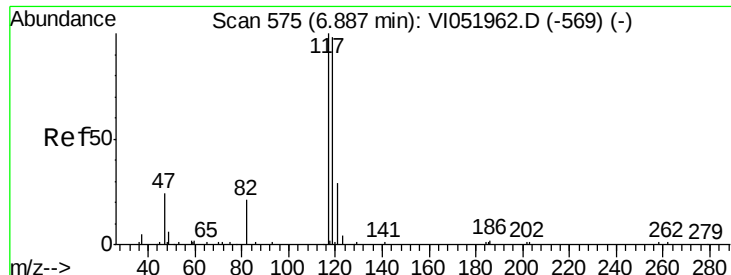
Tot Ion	56	Resp	67098
Ion Ratio	Lower	Upper	
56	100		
69	32.1	24.2	36.4
84	82.9	59.6	89.4



#31
1,1,1-Trichloroethane
Concen: 3.33 ug/L
RT: 6.63 min Scan# 549
Delta R.T. -0.01 min
Lab File: VI051961.D
Acq: 24 Aug 2017 15:40

Tgt Ion	97	Resp	45940
Ion Ratio	Lower	Upper	
97	100		
99	66.7	51.3	76.9
61	52.1	38.6	58.0





#32

Carbon tetrachloride

Concen: 3.28 ug/L

RT: 6.90 min Scan# 576

Delta R.T. 0.01 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

Instrument :

BNA_F

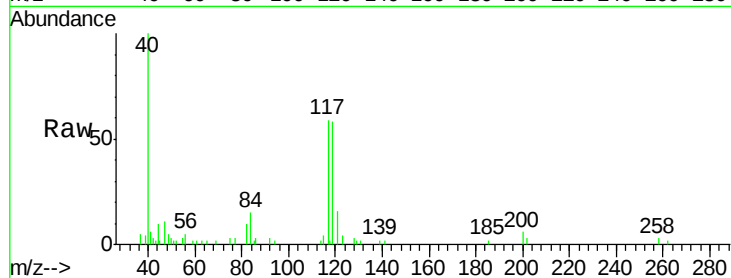
ClientSampleId :

Tot Ion:117 Resp: 16137

Ion Ratio Lower Upper

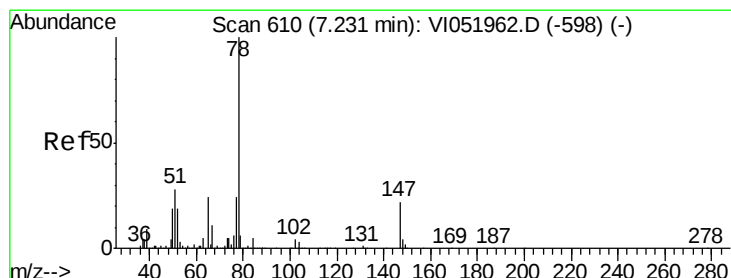
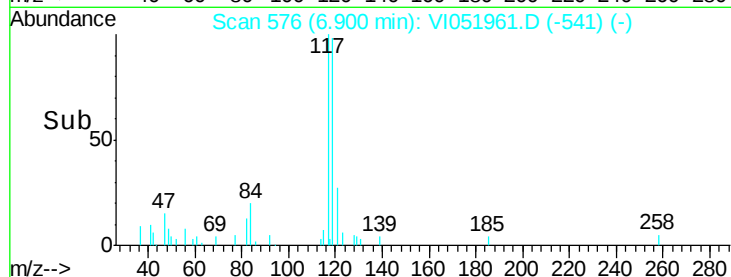
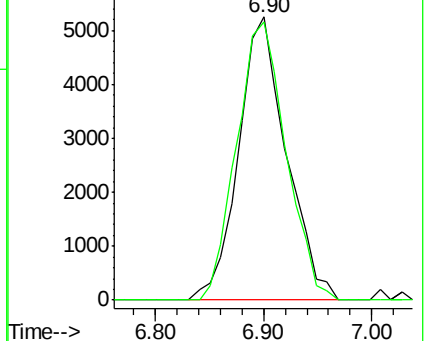
117 100

119 101.3 78.3 117.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 4.83 ug/L

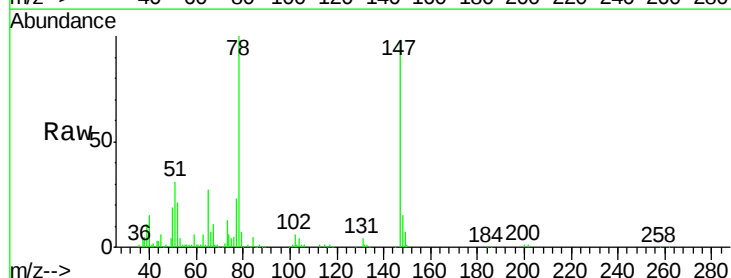
RT: 7.23 min Scan# 610

Delta R.T. 0.00 min

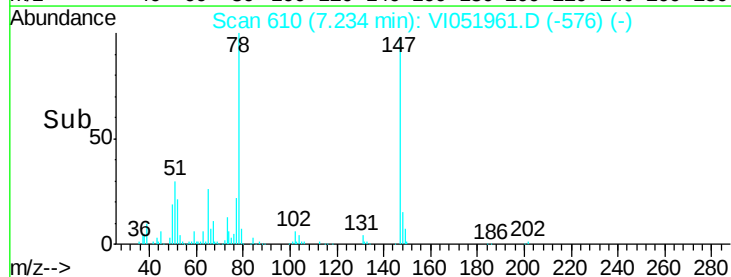
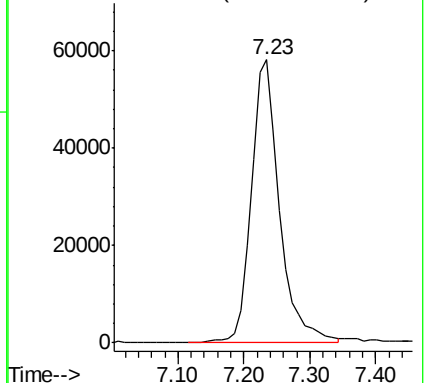
Lab File: VI051961.D

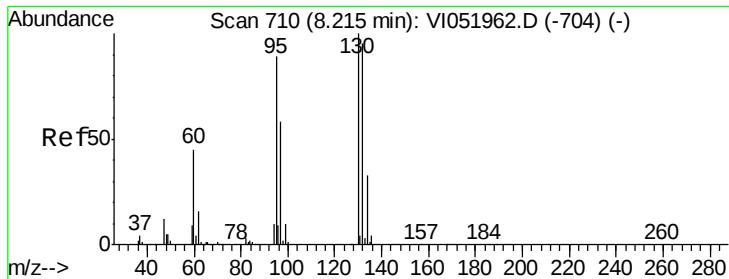
Acq: 24 Aug 2017 15:40

Tgt Ion: 78 Resp: 174321



Abundance Ion 78.00 (77.70 to 78.70): VI05





#35

Trichloroethene

Concen: 4.41 ug/L

RT: 8.21 min Scan# 709

Delta R.T. -0.01 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 95 Resp: 56905

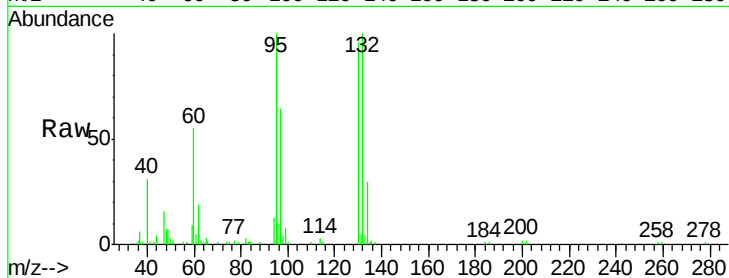
Ion Ratio Lower Upper

95 100

97 66.1 46.2 85.8

132 104.8 72.7 135.1

130 109.7 74.5 138.3



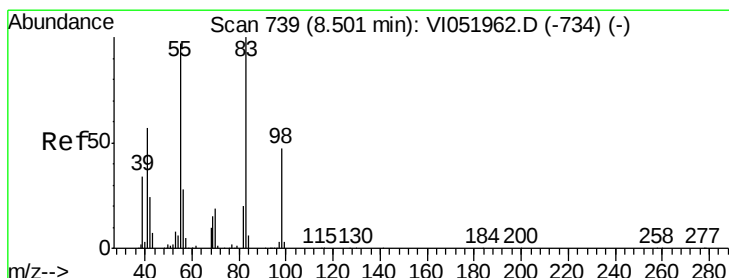
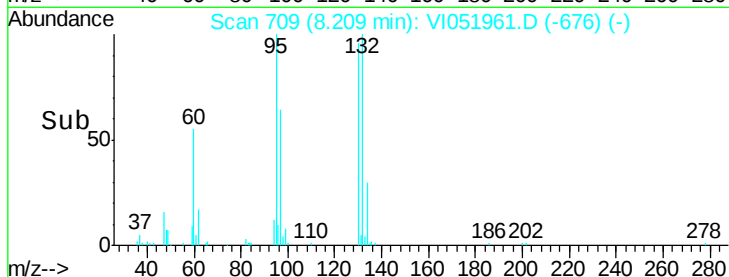
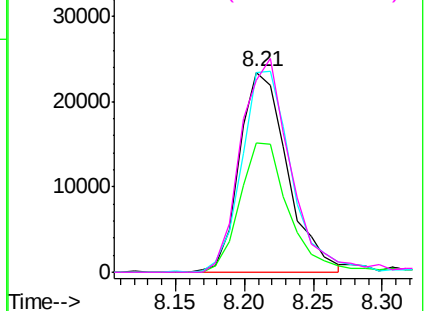
Abundance

Ion 95.00 (94.70 to 95.70): VI051961.D (-704) (-)

Ion 97.00 (96.70 to 97.70): VI051961.D (-704) (-)

Ion 132.00 (131.70 to 132.70): VI051961.D (-704) (-)

Ion 130.00 (129.70 to 130.70): VI051961.D (-704) (-)



#36

Methylcyclohexane

Concen: 4.56 ug/L

RT: 8.50 min Scan# 739

Delta R.T. 0.00 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

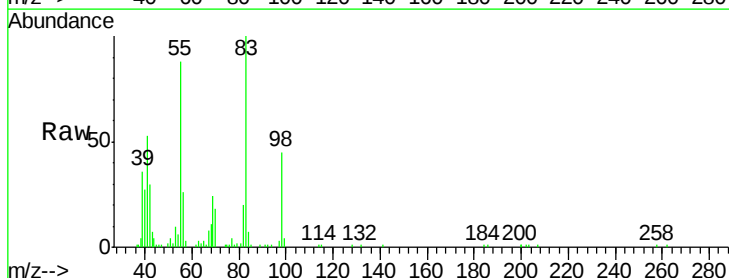
Tgt Ion: 83 Resp: 77954

Ion Ratio Lower Upper

83 100

55 93.4 73.4 110.0

98 44.2 36.7 55.1

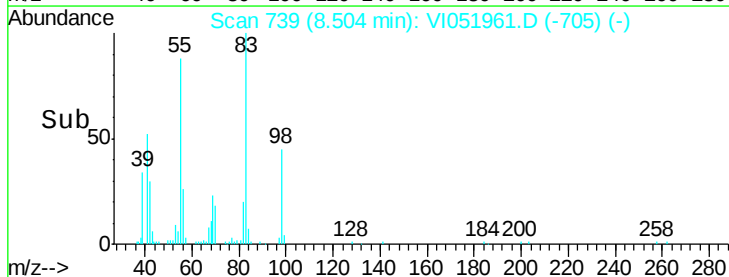
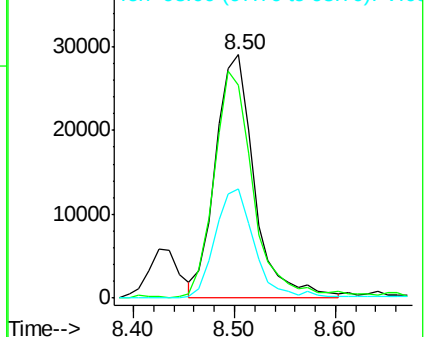


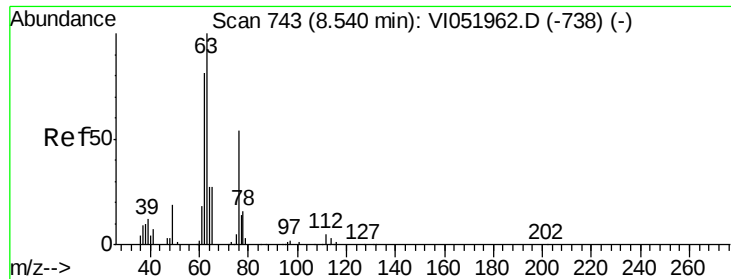
Abundance

Ion 83.00 (82.70 to 83.70): VI051961.D (-734) (-)

Ion 55.00 (54.70 to 55.70): VI051961.D (-734) (-)

Ion 98.00 (97.70 to 98.70): VI051961.D (-734) (-)





#40

1,2-Dichloropropane

Concen: 4.95 ug/L

RT: 8.54 min Scan# 743

Delta R.T. 0.00 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

Instrument :

BNA_F

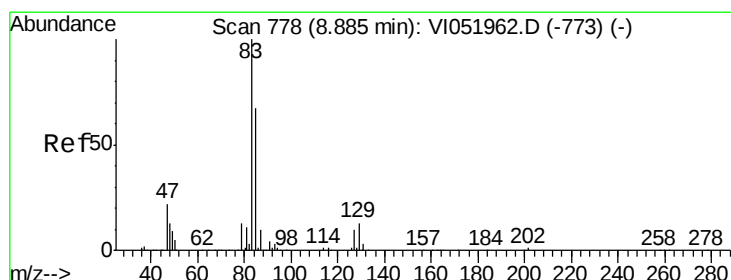
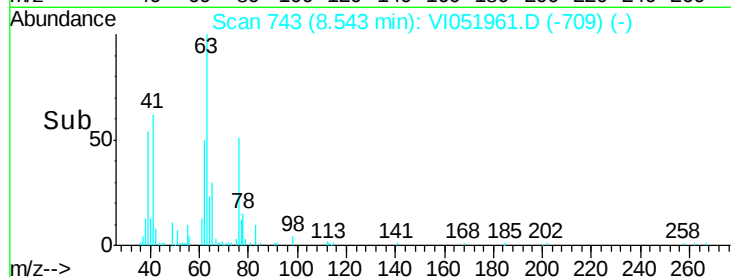
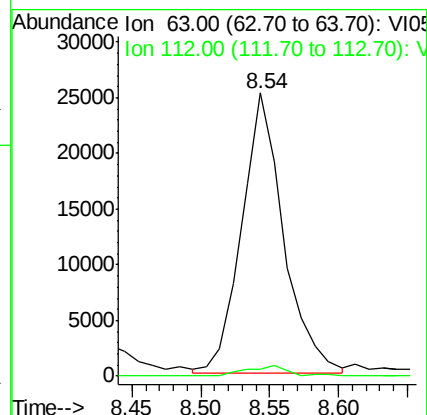
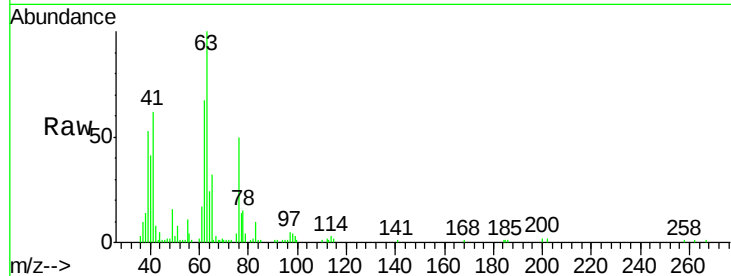
ClientSampled :

Tot Ion: 63 Resp: 53030

Ion Ratio Lower Upper

63 100

112 3.4 3.7 5.5#



#41

Bromodichloromethane

Concen: 4.34 ug/L

RT: 8.89 min Scan# 778

Delta R.T. 0.00 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

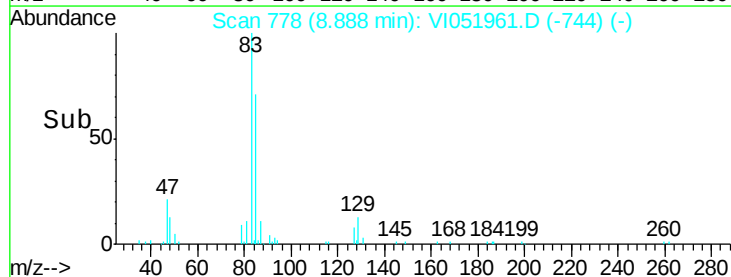
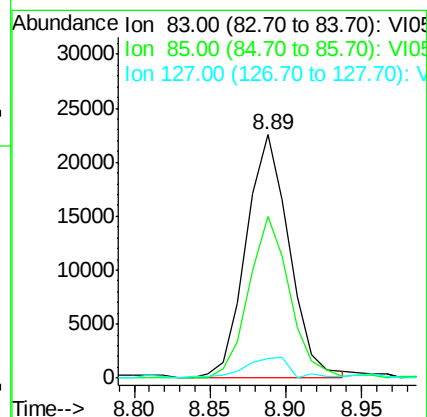
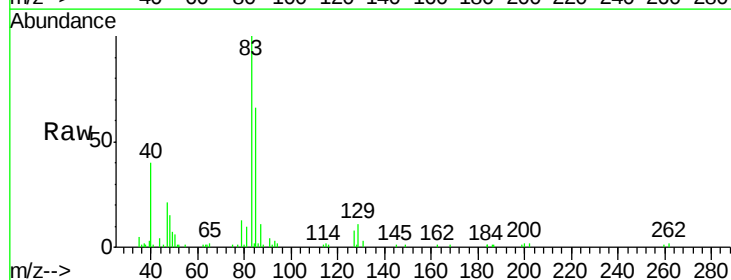
Tgt Ion: 83 Resp: 44887

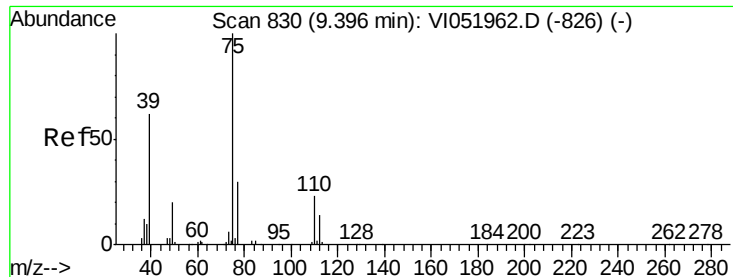
Ion Ratio Lower Upper

83 100

85 66.2 46.8 87.0

127 8.2 8.2 12.2





#42

cis-1,3-Dichloropropene

Concen: 4.22 ug/L

RT: 9.40 min Scan# 830

Delta R.T. 0.00 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

Instrument :

BNA_F

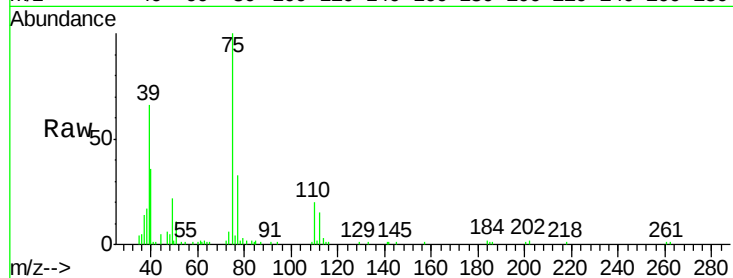
ClientSampleId :

Tot Ion: 75 Resp: 46538

Ion Ratio Lower Upper

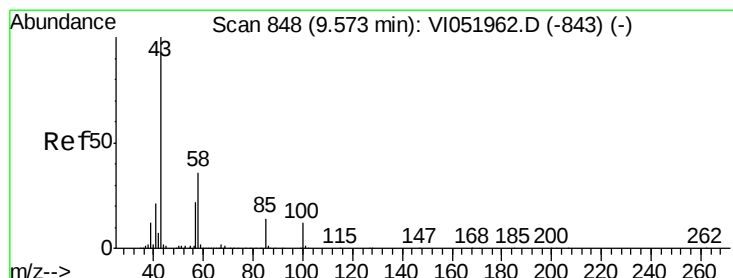
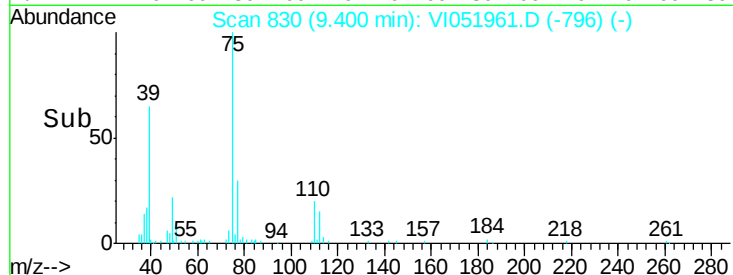
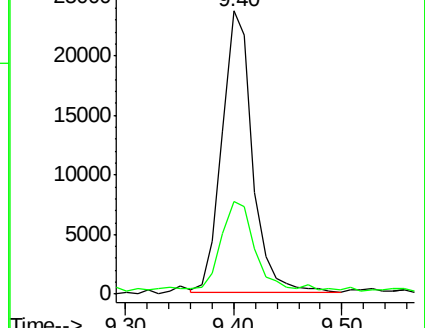
75 100

77 32.8 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VI051961.D (-796) (-)

Ion 77.00 (76.70 to 77.70): VI051961.D (-796) (-)



#43

4-Methyl-2-pentanone

Concen: 9.27 ug/L

RT: 9.58 min Scan# 848

Delta R.T. 0.00 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

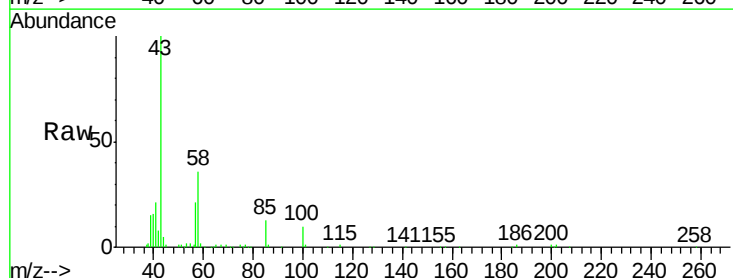
Tgt Ion: 43 Resp: 124039

Ion Ratio Lower Upper

43 100

58 34.6 30.0 45.0

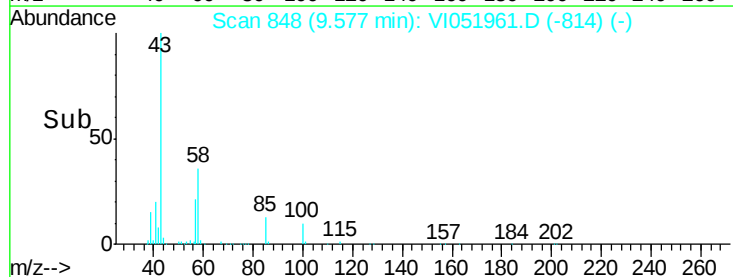
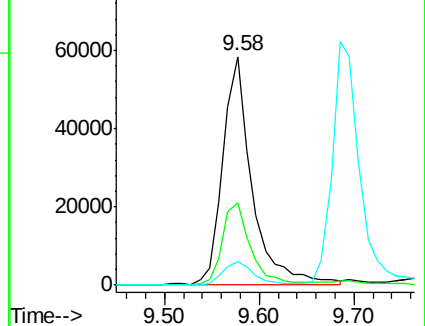
100 11.0 9.5 14.3

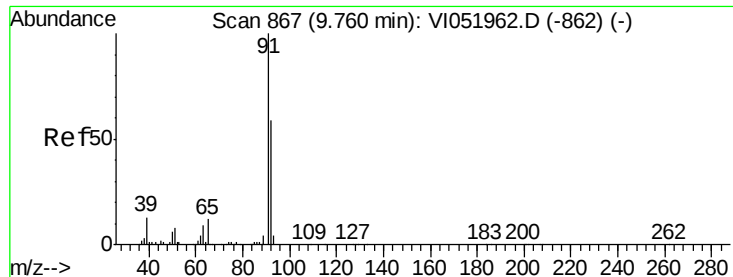


Abundance Ion 43.00 (42.70 to 43.70): VI051961.D (-814) (-)

Ion 58.00 (57.70 to 58.70): VI051961.D (-814) (-)

Ion 100.00 (99.70 to 100.70): VI051961.D (-814) (-)





#44

Toluene

Concen: 4.79 ug/L

RT: 9.76 min Scan# 867

Delta R.T. 0.00 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

Instrument :

BNA_F

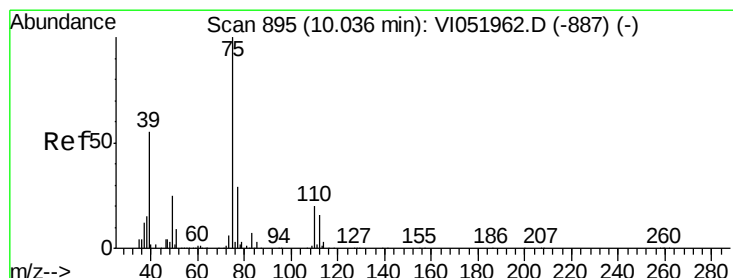
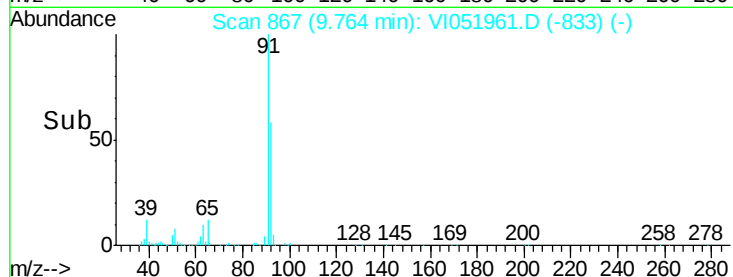
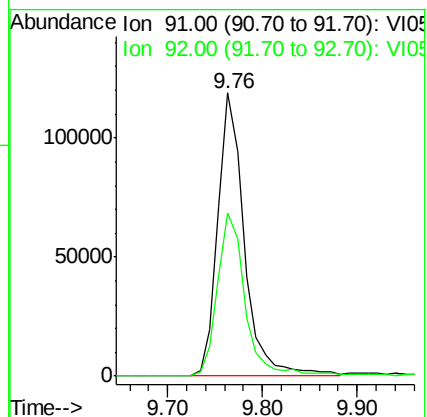
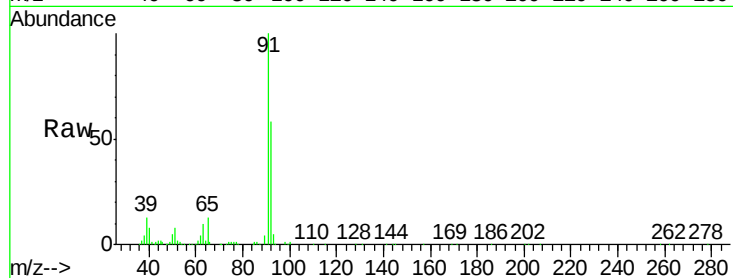
ClientSampled :

Tot Ion: 91 Resp: 233200

Ion Ratio Lower Upper

91 100

92 57.7 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 4.35 ug/L

RT: 10.04 min Scan# 895

Delta R.T. 0.00 min

Lab File: VI051961.D

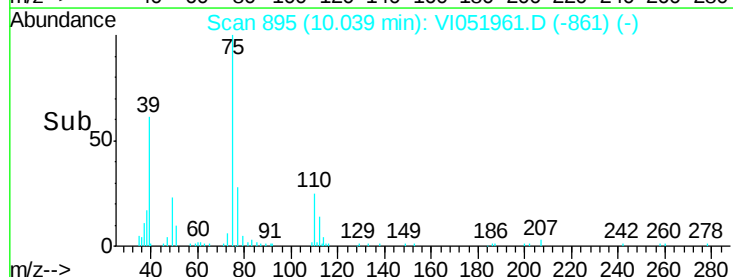
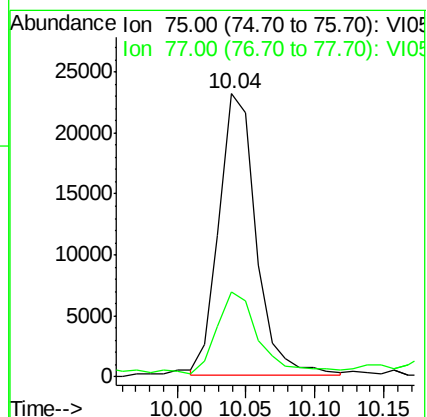
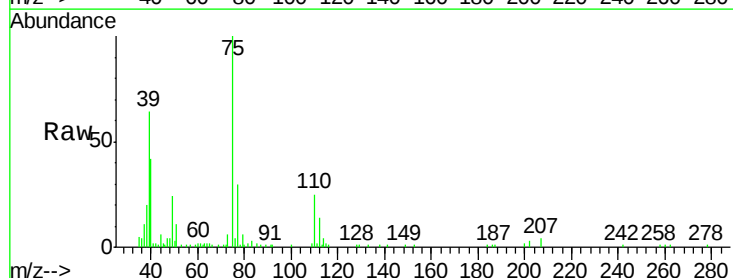
Acq: 24 Aug 2017 15:40

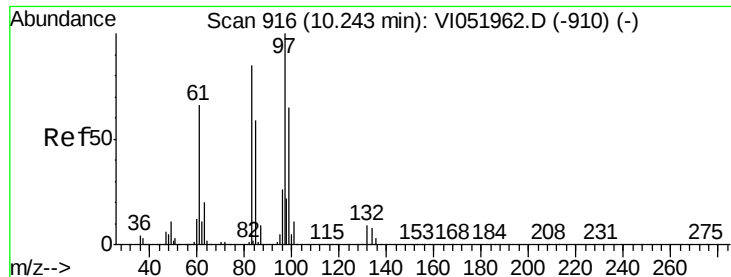
Tgt Ion: 75 Resp: 43378

Ion Ratio Lower Upper

75 100

77 29.9 20.5 38.1

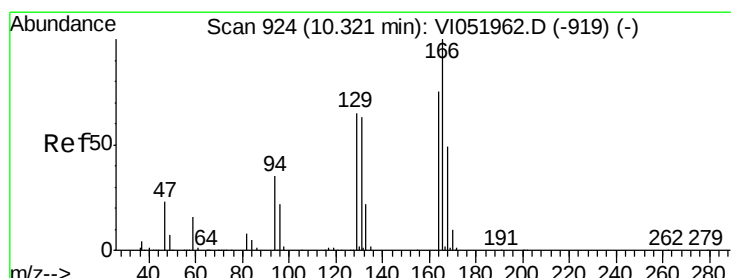
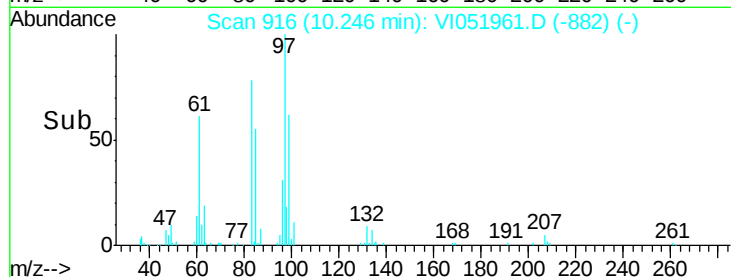
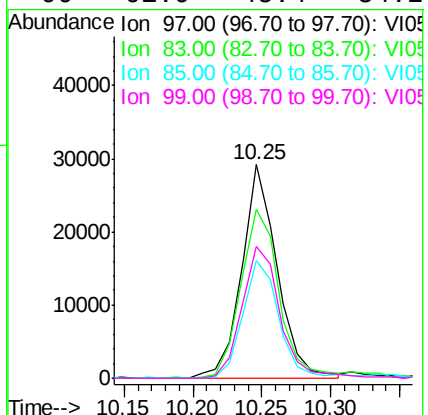
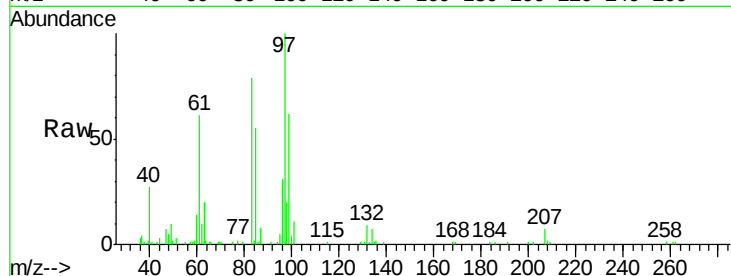




#46
1,1,2-Trichloroethane
Concen: 4.72 ug/L
RT: 10.25 min Scan# 916
Delta R.T. 0.00 min
Lab File: VI051961.D
Acq: 24 Aug 2017 15:40

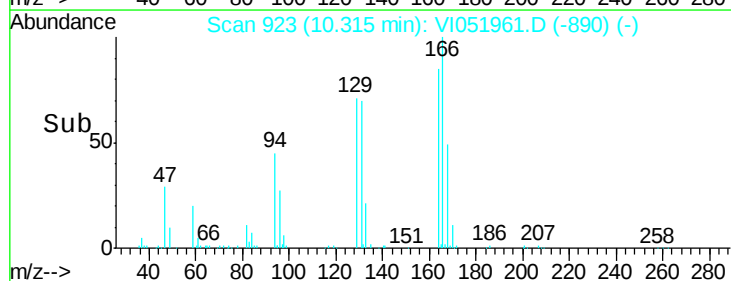
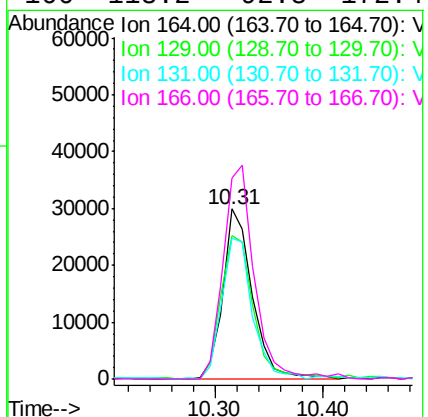
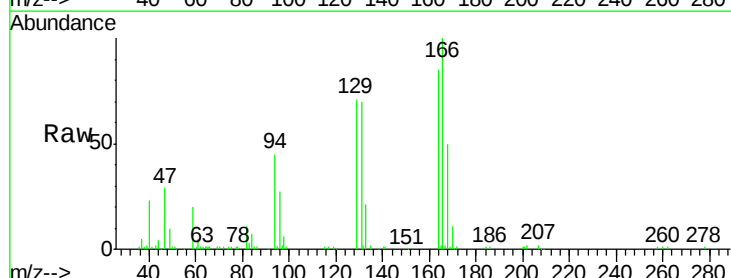
Instrument :
BNA_F
ClientSampleId :

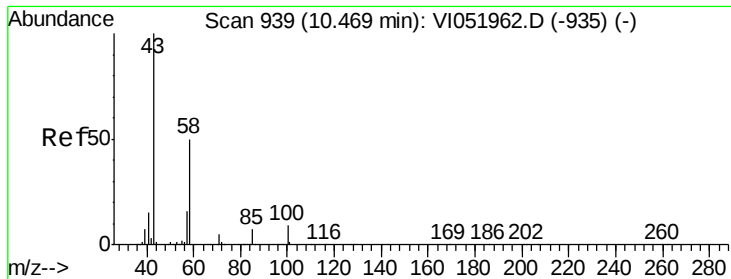
Tot Ion:	97	Resp:	52417
Ion	Ratio	Lower	Upper
97	100		
83	78.9	60.0	111.4
85	55.4	41.4	77.0
99	61.9	45.4	84.2



#47
Tetrachloroethene
Concen: 4.54 ug/L
RT: 10.31 min Scan# 923
Delta R.T. -0.01 min
Lab File: VI051961.D
Acq: 24 Aug 2017 15:40

Tgt Ion:	164	Resp:	56869
Ion	Ratio	Lower	Upper
164	100		
129	84.3	60.5	112.3
131	82.8	58.4	108.4
166	118.2	92.8	172.4

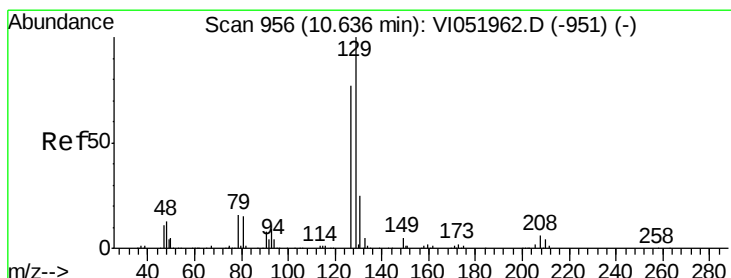
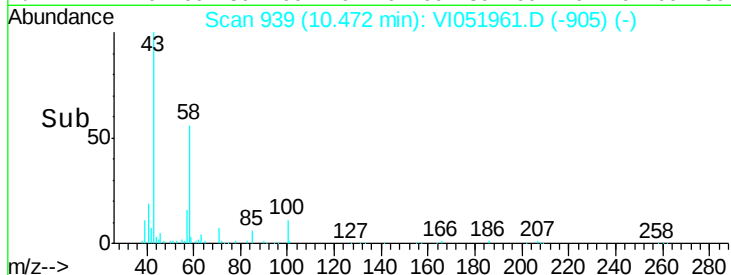
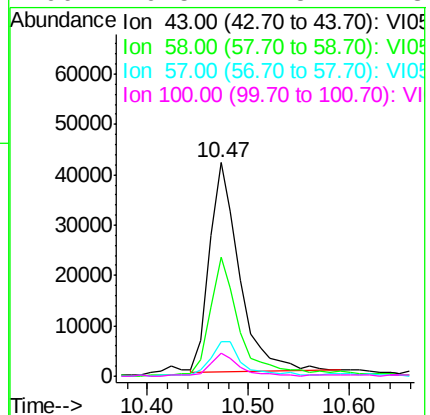
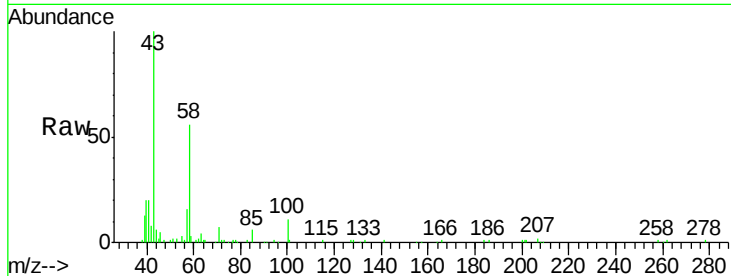




#49
2-Hexanone
Concen: 8.67 ug/L
RT: 10.47 min Scan# 939
Delta R.T. 0.00 min
Lab File: VI051961.D
Acq: 24 Aug 2017 15:40

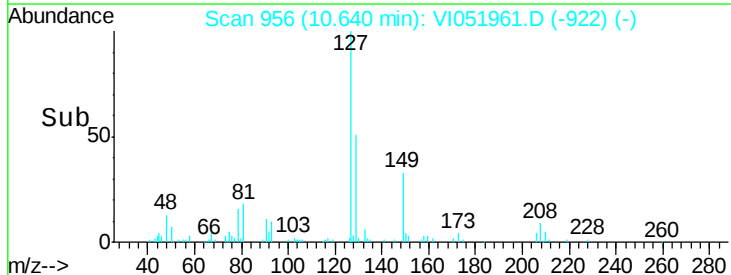
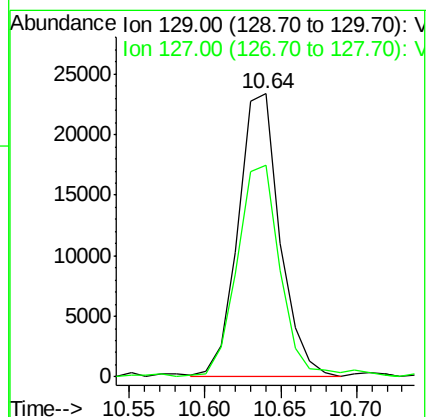
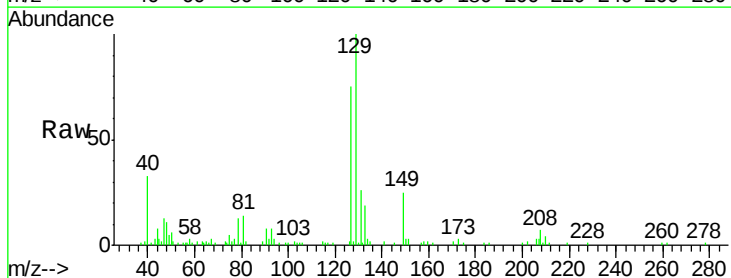
Instrument :
BNA_F
ClientSampleId :

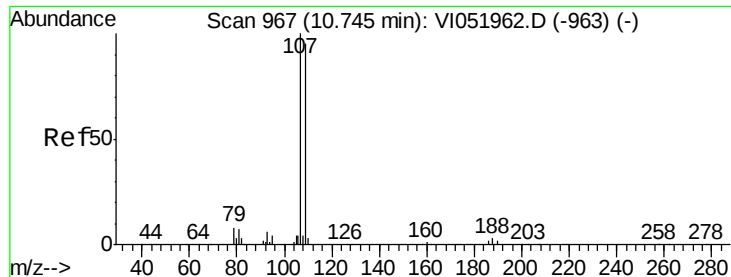
Tot Ion: 43 Resp: 85249
Ion Ratio Lower Upper
43 100
58 55.4 39.2 58.8
57 17.1 12.5 18.7
100 10.5 7.5 11.3



#50
Dibromochloromethane
Concen: 4.75 ug/L
RT: 10.64 min Scan# 956
Delta R.T. 0.00 min
Lab File: VI051961.D
Acq: 24 Aug 2017 15:40

Tgt Ion: 129 Resp: 45028
Ion Ratio Lower Upper
129 100
127 74.8 53.8 100.0





#51

1,2-Dibromoethane

Concen: 6.13 ug/L

RT: 10.75 min Scan# 967

Delta R.T. 0.00 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

Instrument :

BNA_F

ClientSampleId :

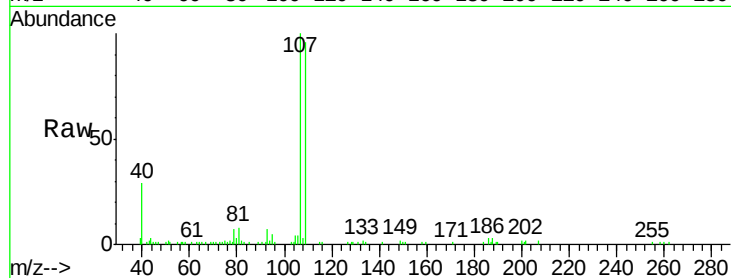
Tot Ion:107 Resp: 53187

Ion Ratio Lower Upper

107 100

109 95.7 66.4 123.2

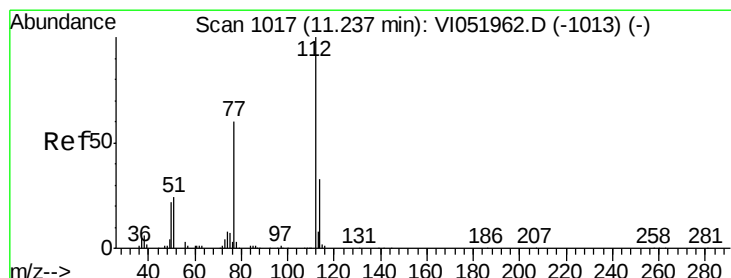
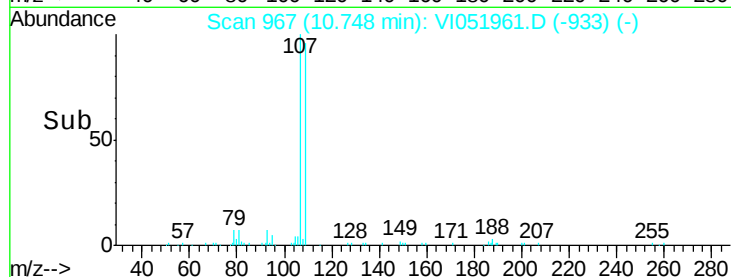
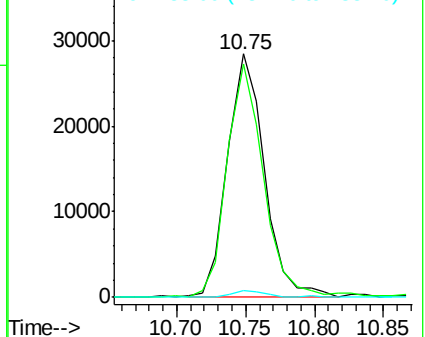
188 2.8 2.6 3.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 4.81 ug/L

RT: 11.24 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

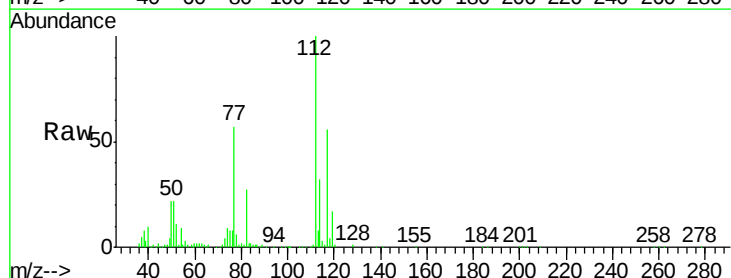
Tgt Ion:112 Resp: 182923

Ion Ratio Lower Upper

112 100

77 57.3 48.4 72.6

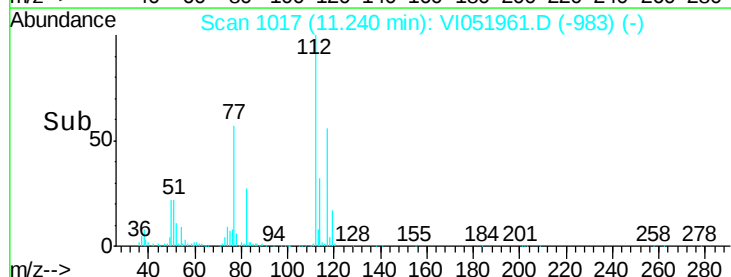
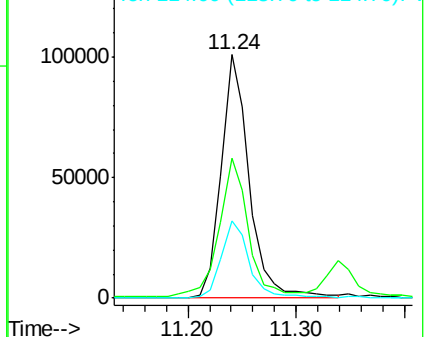
114 31.8 23.3 43.3

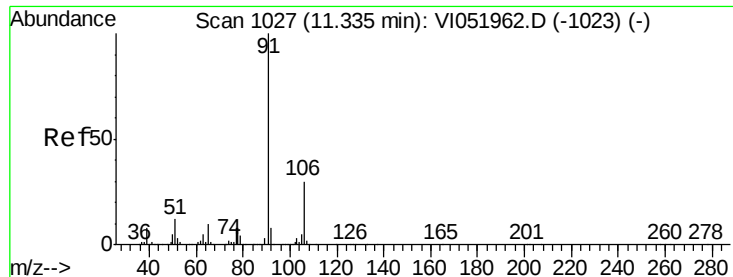


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VI05

Ion 114.00 (113.70 to 114.70): V

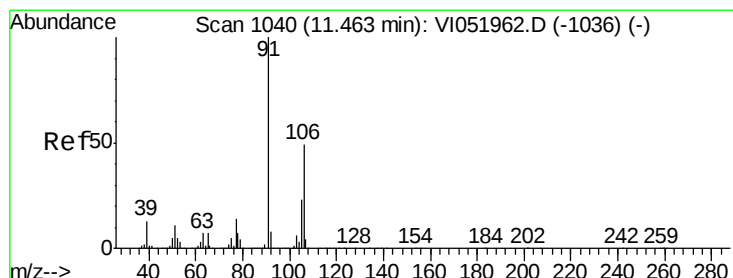
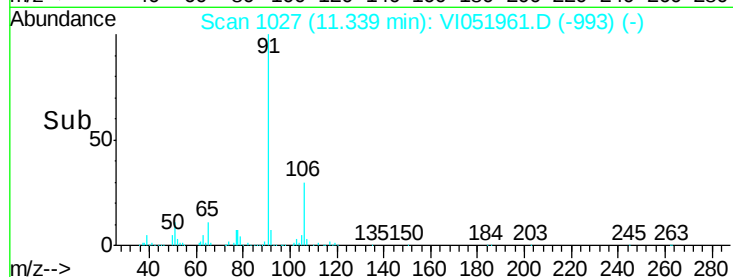
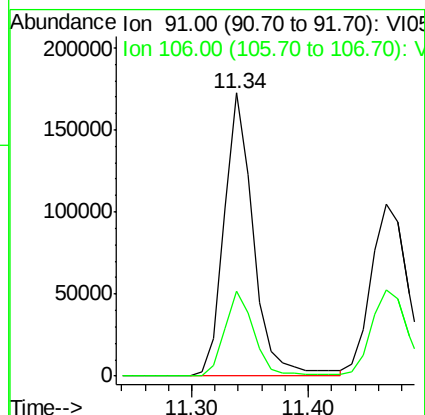
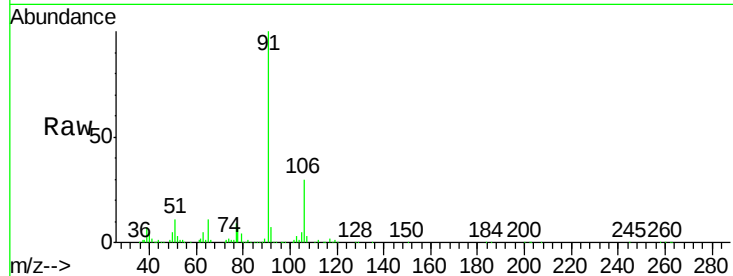




#53
Ethylbenzene
Concen: 5.15 ug/L
RT: 11.34 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VI051961.D
Acq: 24 Aug 2017 15:40

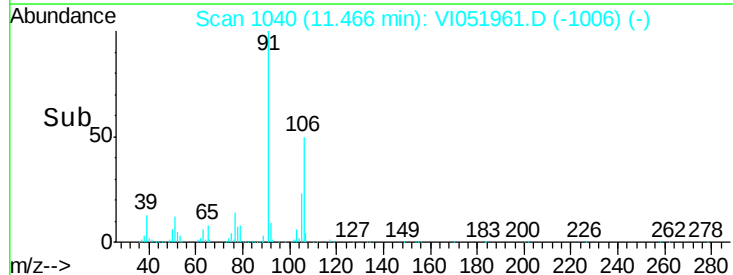
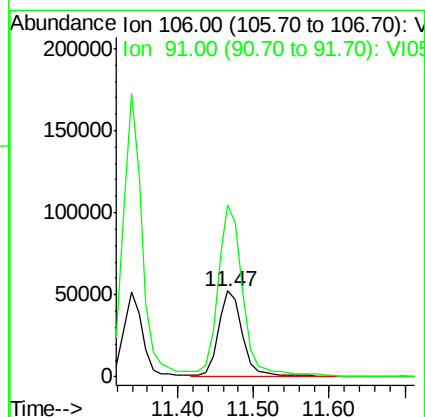
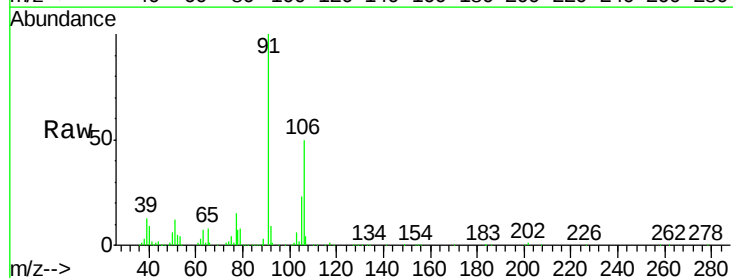
Instrument :
BNA_F
ClientSampleId :

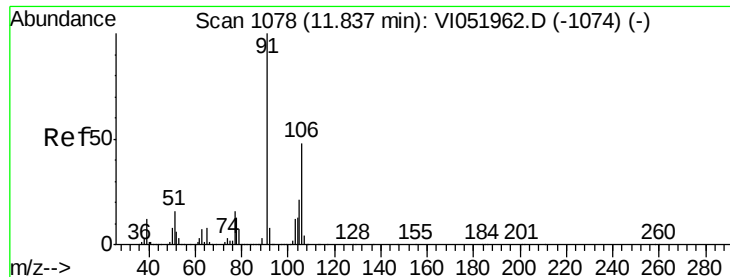
Tot Ion: 91 Resp: 301605
Ion Ratio Lower Upper
91 100
106 30.2 21.3 39.5



#54
m,p-Xylene
Concen: 4.89 ug/L
RT: 11.47 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VI051961.D
Acq: 24 Aug 2017 15:40

Tgt Ion: 106 Resp: 119002
Ion Ratio Lower Upper
106 100
91 199.7 145.1 269.5

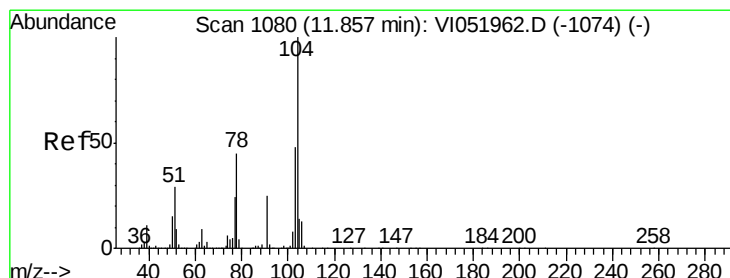
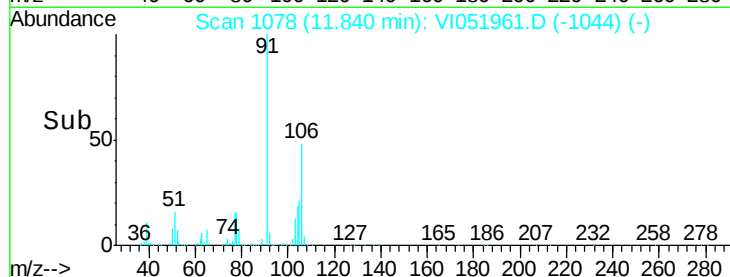
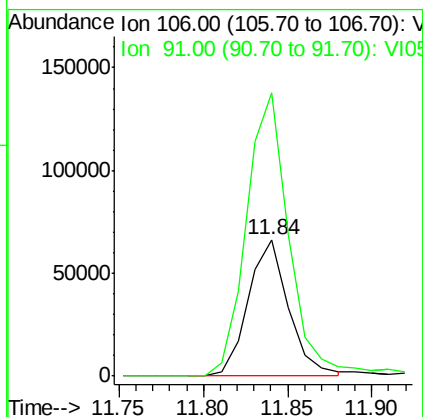
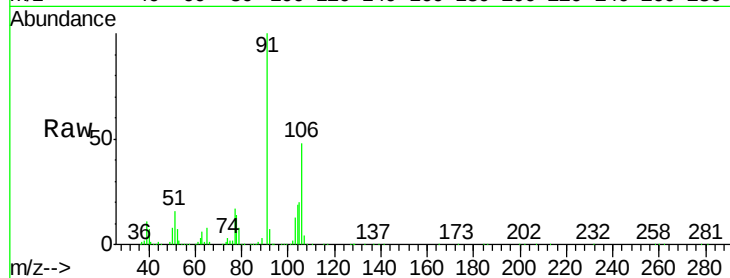




#55
o-xylene
Concen: 4.72 ug/L
RT: 11.84 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VI051961.D
Acq: 24 Aug 2017 15:40

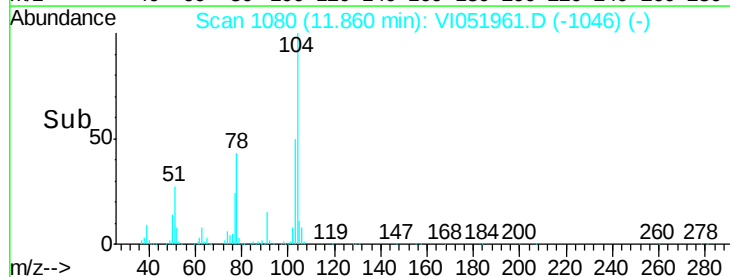
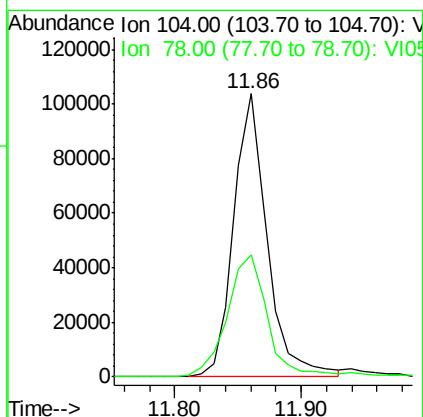
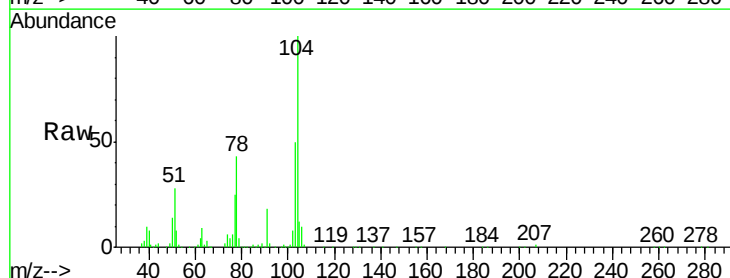
Instrument :
BNA_F
ClientSampleId :

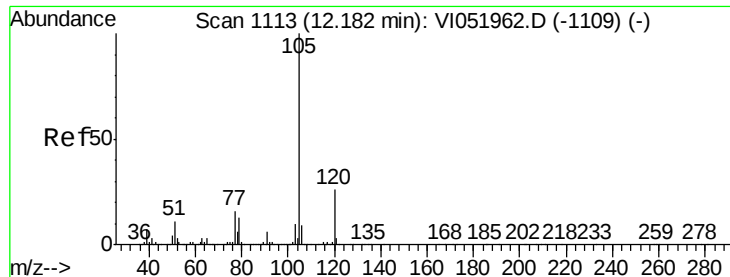
Tot Ion:106 Resp: 110829
Ion Ratio Lower Upper
106 100
91 207.0 145.5 270.3



#56
Styrene
Concen: 4.87 ug/L
RT: 11.86 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VI051961.D
Acq: 24 Aug 2017 15:40

Tgt Ion:104 Resp: 190303
Ion Ratio Lower Upper
104 100
78 43.0 31.6 58.6





#57

Isopropylbenzene

Concen: 5.11 ug/L

RT: 12.18 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

Instrument :

BNA_F

ClientSampleId :

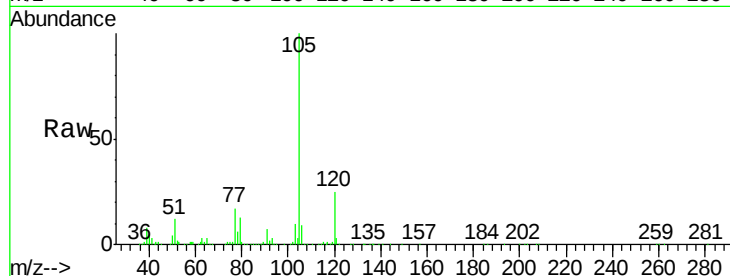
Tot Ion:105 Resp: 307012

Ion Ratio Lower Upper

105 100

120 24.5 20.8 31.2

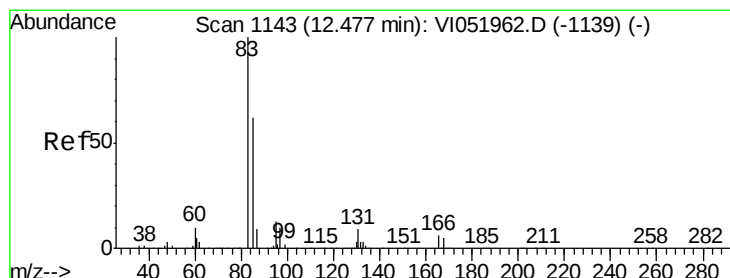
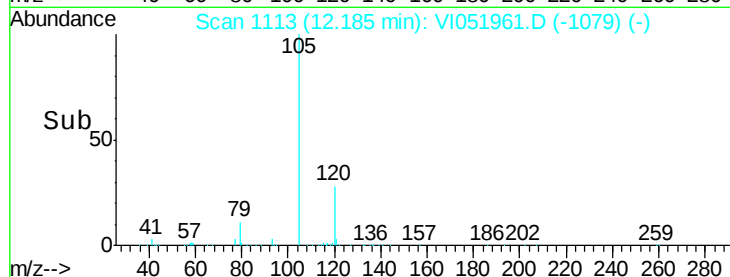
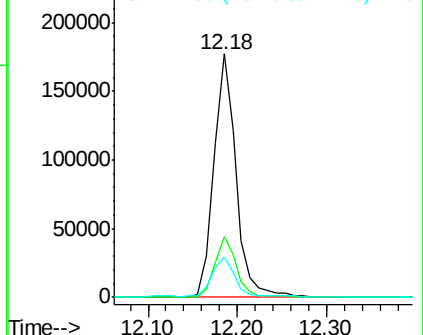
77 15.6 12.7 19.1



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



#58

1,1,2,2-Tetrachloroethane

Concen: 4.51 ug/L

RT: 12.47 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

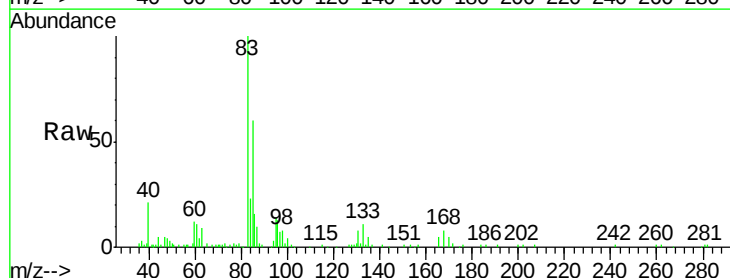
Tgt Ion: 83 Resp: 75700

Ion Ratio Lower Upper

83 100

85 59.8 43.4 80.6

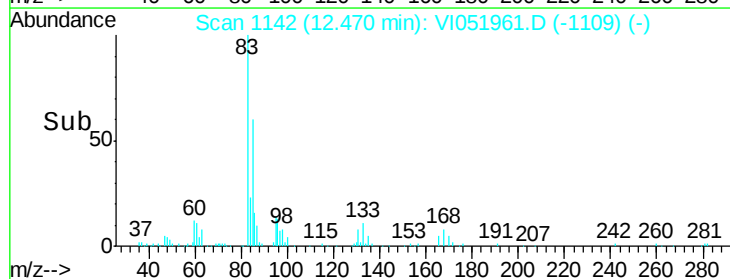
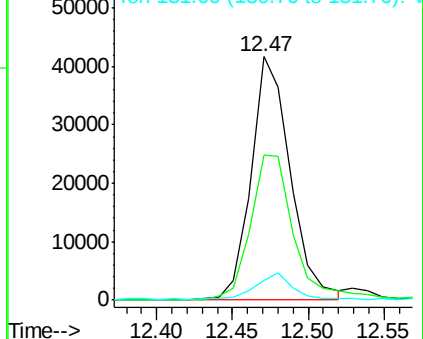
131 8.1 7.4 11.2

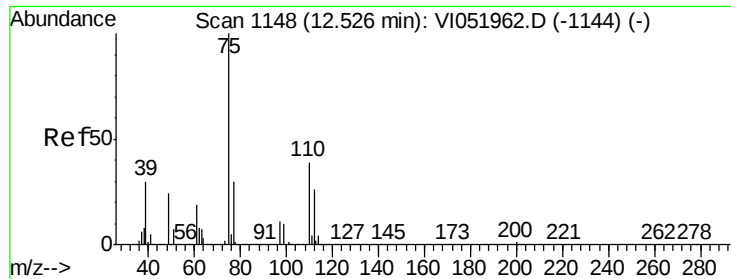


Abundance Ion 83.00 (82.70 to 83.70): VI05

Ion 85.00 (84.70 to 85.70): VI05

Ion 131.00 (130.70 to 131.70): V

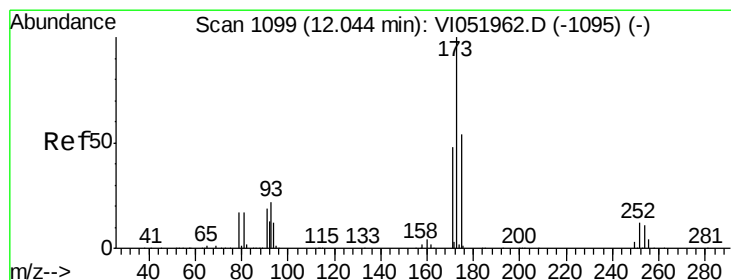
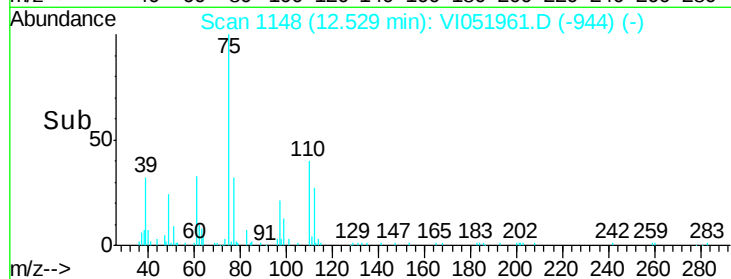
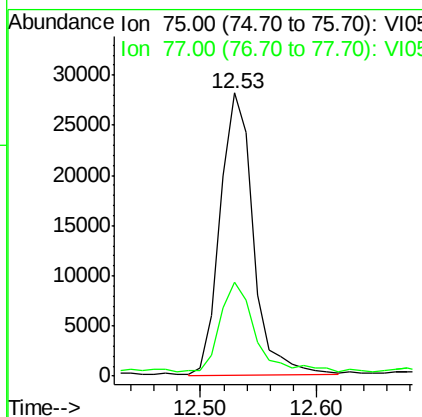
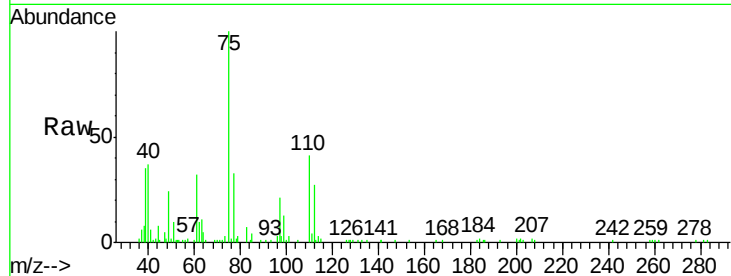




#59
 1,2,3-Trichloropropane
 Concen: 5.31 ug/L
 RT: 12.53 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VI051961.D
 Acq: 24 Aug 2017 15:40

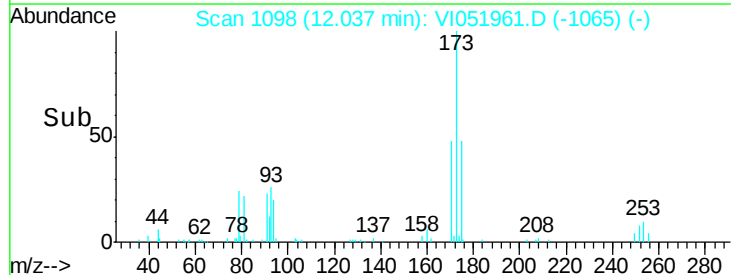
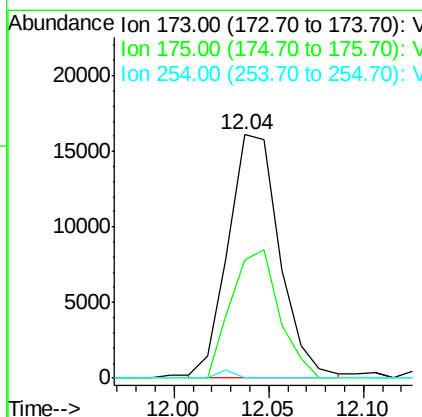
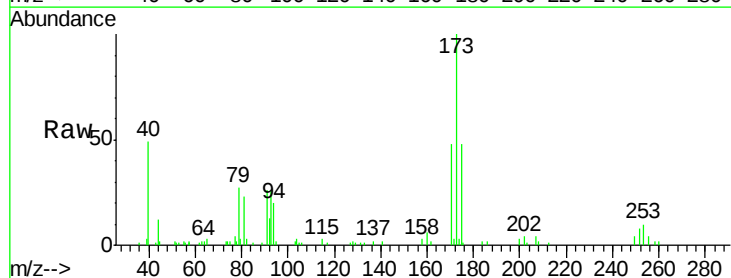
Instrument :
 BNA_F
 ClientSampleId :

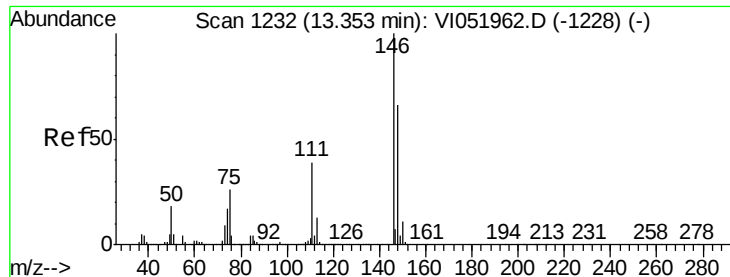
Tot Ion: 75 Resp: 55324
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.0 39.0



#62
 Bromoform
 Concen: 4.19 ug/L
 RT: 12.04 min Scan# 1098
 Delta R.T. -0.01 min
 Lab File: VI051961.D
 Acq: 24 Aug 2017 15:40

Tgt Ion: 173 Resp: 30279
 Ion Ratio Lower Upper
 173 100
 175 49.2 40.6 61.0
 254 0.0 0.0 0.0

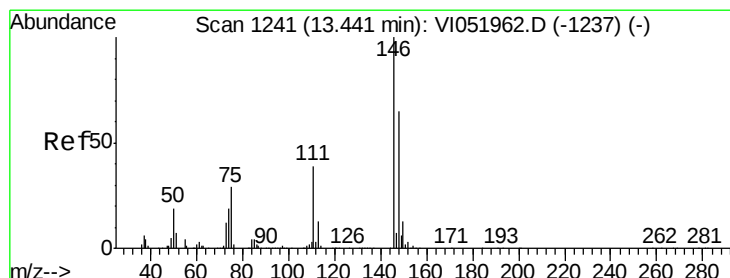
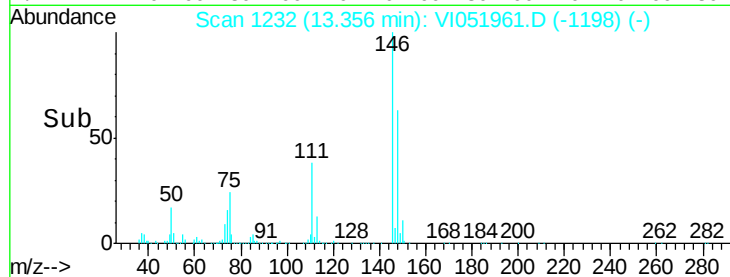
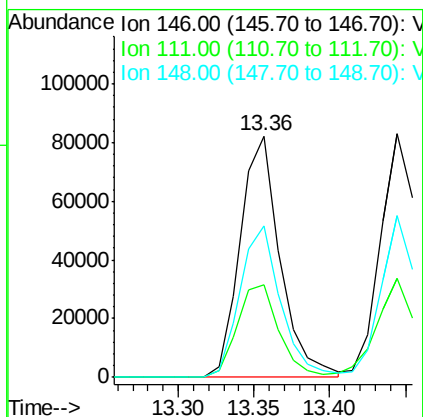
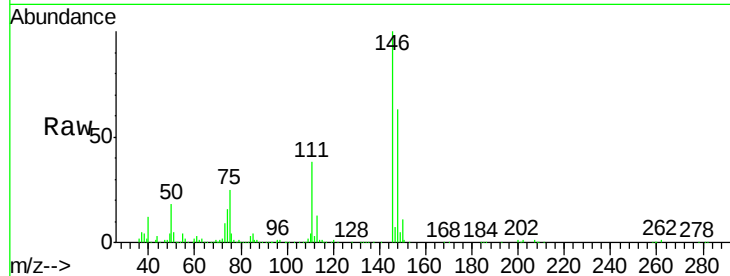




#63
 1,3-Dichlorobenzene
 Concen: 5.03 ug/L
 RT: 13.36 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VI051961.D
 Acq: 24 Aug 2017 15:40

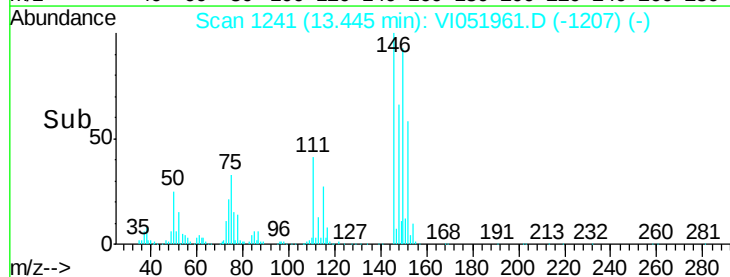
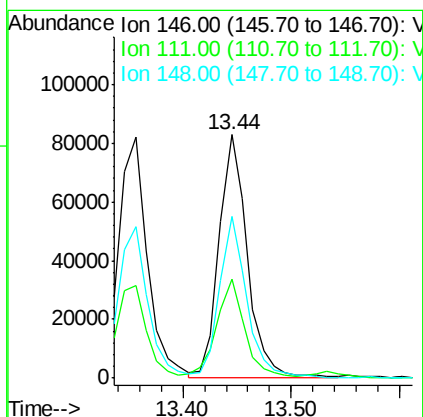
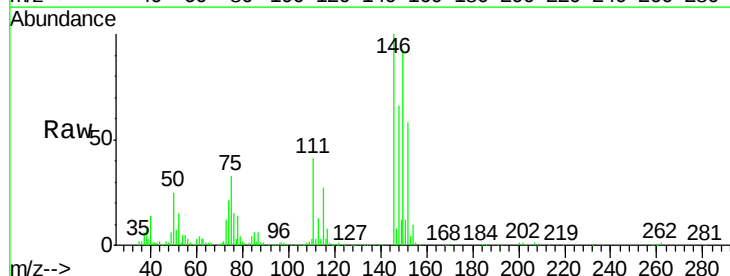
Instrument :
 BNA_F
 ClientSampleId :

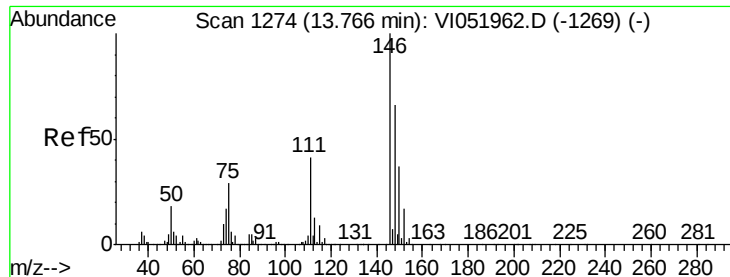
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	27.4	50.8
148	62.5	46.3	85.9



#64
 1,4-Dichlorobenzene
 Concen: 4.97 ug/L
 RT: 13.44 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VI051961.D
 Acq: 24 Aug 2017 15:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	27.8	51.6
148	66.2	45.9	85.3

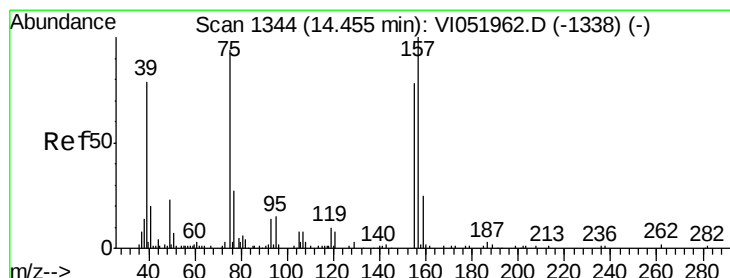
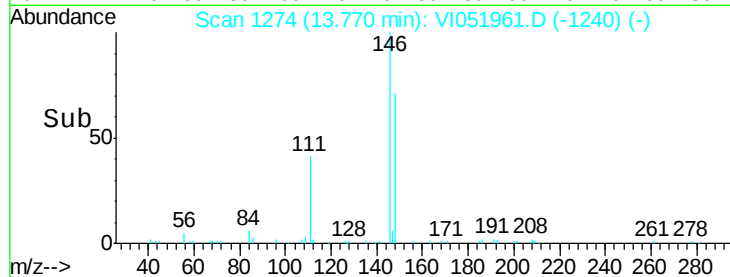
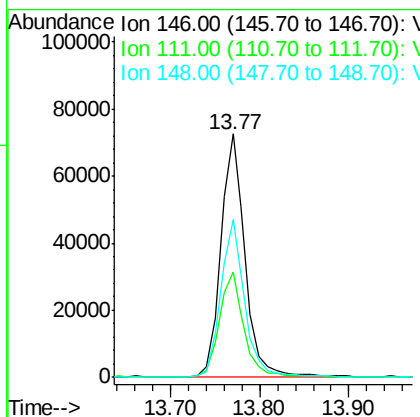
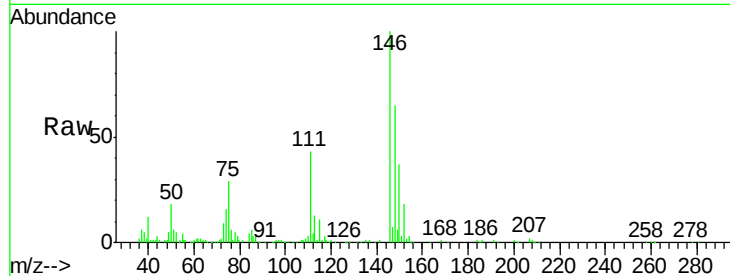




#65
 1,2-Dichlorobenzene
 Concen: 4.81 ug/L
 RT: 13.77 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VI051961.D
 Acq: 24 Aug 2017 15:40

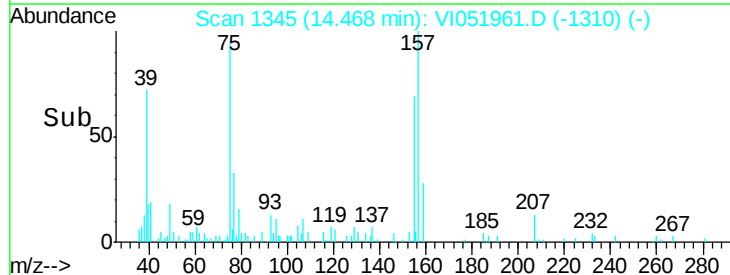
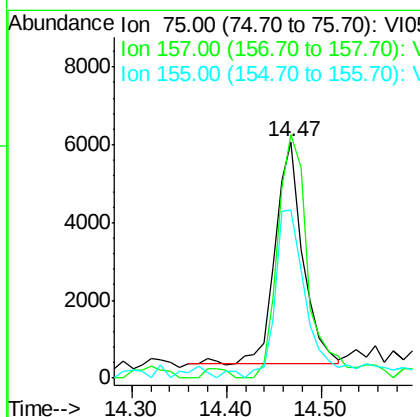
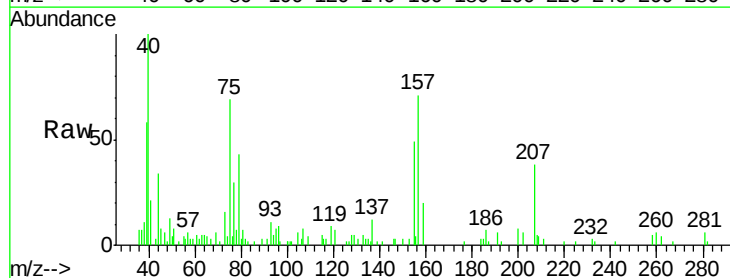
Instrument :
 BNA_F
 ClientSampled :

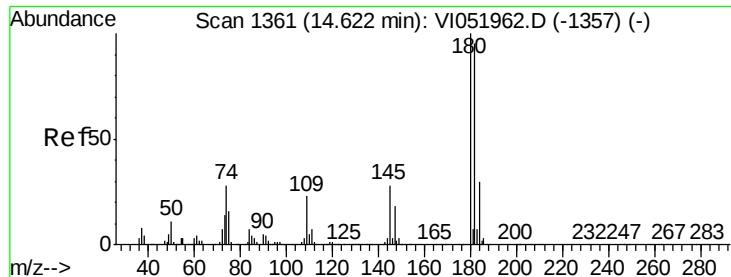
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	32.8	49.2
148	64.6	52.7	79.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.34 ug/L
 RT: 14.47 min Scan# 1345
 Delta R.T. 0.01 min
 Lab File: VI051961.D
 Acq: 24 Aug 2017 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
157	103.1	83.9	125.9
155	71.4	64.6	97.0

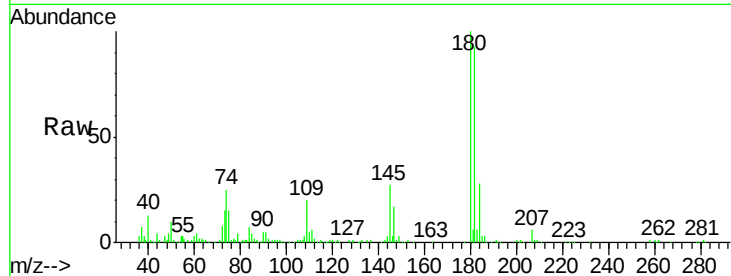




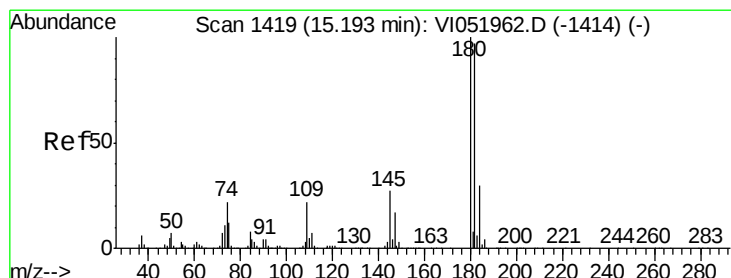
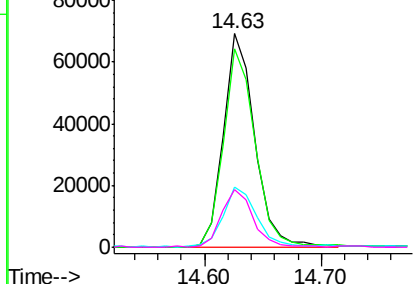
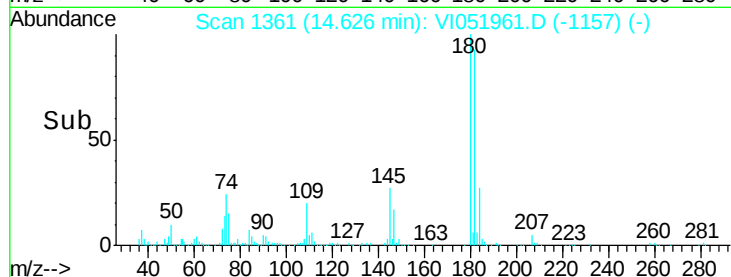
#67
 1,3,5-Trichlorobenzene
 Concen: 5.12 ug/L
 RT: 14.63 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VI051961.D
 Acq: 24 Aug 2017 15:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:180 Resp: 128755
 Ion Ratio Lower Upper
 180 100
 182 93.4 77.7 116.5
 184 29.8 24.5 36.7
 145 27.1 21.7 32.5

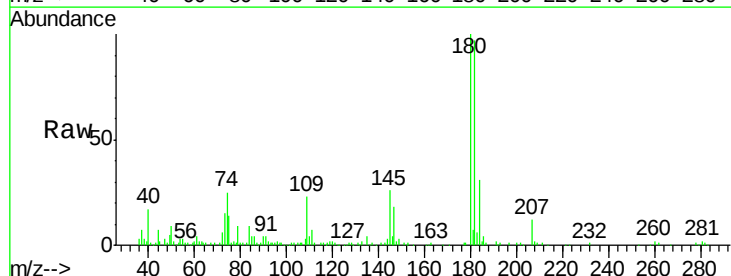


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

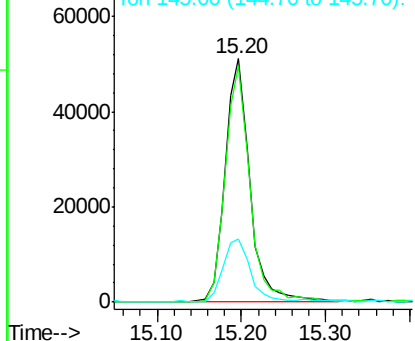
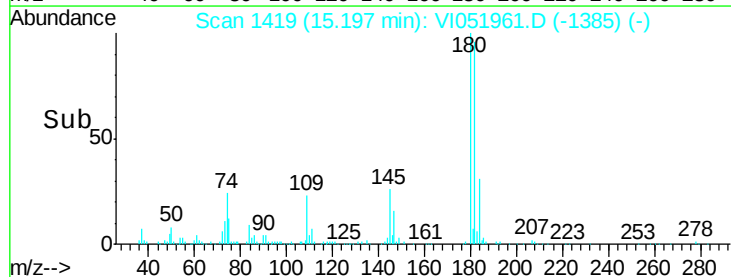


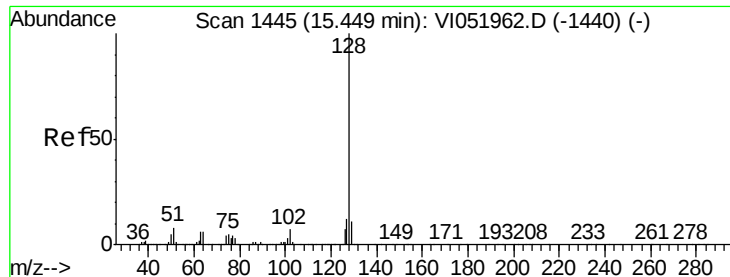
#68
 1,2,4-trichlorobenzene
 Concen: 5.10 ug/L
 RT: 15.20 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: VI051961.D
 Acq: 24 Aug 2017 15:40

Tgt Ion:180 Resp: 104906
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.0 115.4
 145 28.3 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: 5.16 ug/L

RT: 15.45 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

Instrument :

BNA_F

ClientSampleId :

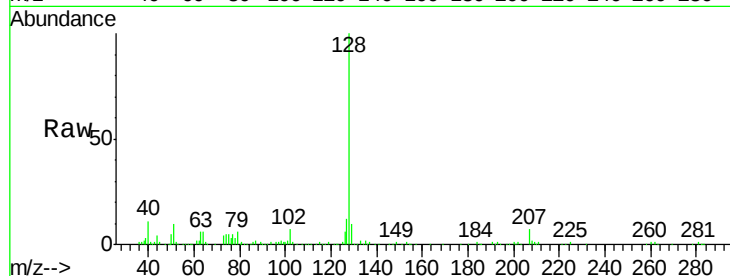
Tot Ion:128 Resp: 177606

Ion Ratio Lower Upper

128 100

129 10.0 8.9 13.3

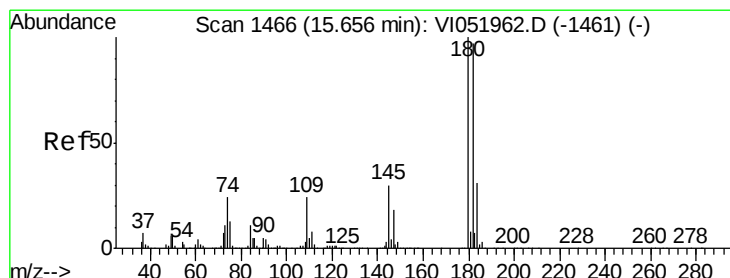
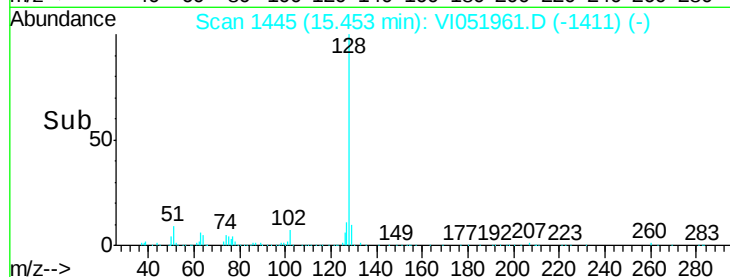
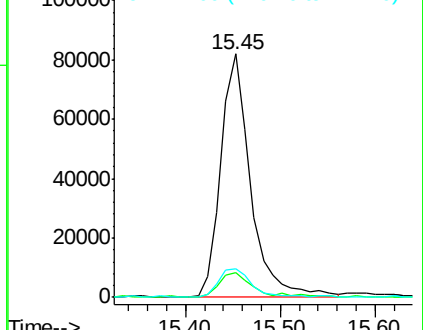
127 12.7 9.8 14.8



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: 4.93 ug/L

RT: 15.66 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VI051961.D

Acq: 24 Aug 2017 15:40

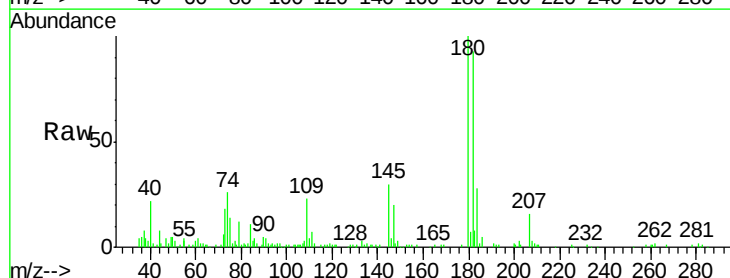
Tgt Ion:180 Resp: 87300

Ion Ratio Lower Upper

180 100

182 93.7 78.2 117.4

145 30.0 24.1 36.1



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

