

Data Path : W:\HPCHEM1\MSVOA I\DATA\VI082417\
 Data File : VI051964.D
 Acq On : 24 Aug 2017 17:00
 Operator : FY/SY
 Sample : VSTD100
 Misc : 5.00g/10mL/MSVOA I/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 25 08:16:57 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	583478	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.22	117	671317	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	352797	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.70	65	889073	119.22	ug/L	0.00
7) Chloroethane-d5	2.08	69	524334	109.27	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.92	63	1841907	117.86	ug/L	-0.01
20) 2-Butanone-d5	5.65	46	710643	276.51	ug/L	-0.01
24) Chloroform-d	6.37	84	1821888	122.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.22	65	921908	115.99	ug/L	0.00
29) Benzene-d6	7.17	84	3206138	117.21	ug/L	0.00
33) 1,2-Dichloropropane-d6	8.43	67	966379	106.33	ug/L	0.00
37) Toluene-d8	9.69	98	3432884	110.87	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.01	79	312966	95.37	ug/L	0.00
39) 2-Hexanone-d5	10.42	63	824644	256.28	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.45	84	1502321	119.47	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.75	152	1782113	121.58	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.43	85	1312540	125.96	ug/L	99
3) Chloromethane	1.59	50	1420575	122.22	ug/L	96
5) Vinyl chloride	1.70	62	970950	117.33	ug/L	100
6) Bromomethane	2.00	94	366030	65.73	ug/L	96
8) Chloroethane	2.11	64	429607	108.39	ug/L	99
9) Trichlorofluoromethane	2.37	101	1609995	122.64	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.96	101	858386	121.71	ug/L	97
12) 1,1-Dichloroethene	2.94	96	733885	111.91	ug/L	93
13) Acetone	2.98	43	595420	228.18	ug/L	99
14) Carbon disulfide	3.20	76	2557155	109.45	ug/L	99
15) Methyl Acetate	3.39	43	602504	115.04	ug/L	100
16) Methylene chloride	3.58	84	1027140	115.08	ug/L	99
17) Methyl tert-butyl Ether	3.97	73	2045947	120.54	ug/L	100
18) trans-1,2-Dichloroethene	3.98	96	828728	121.38	ug/L	96
19) 1,1-Dichloroethane	4.70	63	1567668	115.87	ug/L	99
21) 2-Butanone	5.76	43	787905	235.70	ug/L	99
22) cis-1,2-Dichloroethene	5.76	96	979105	118.51	ug/L	93
23) Bromochloromethane	6.19	128	357566	93.80	ug/L	95
25) Chloroform	6.41	83	1798850	118.83	ug/L	99
27) 1,2-Dichloroethane	7.35	62	1393430	123.23	ug/L	100
30) Cyclohexane	6.76	56	1322710	110.80	ug/L	98
31) 1,1,1-Trichloroethane	6.64	97	1305898	119.94	ug/L	99
32) Carbon tetrachloride	6.90	117	331654	85.46	ug/L	99
34) Benzene	7.23	78	3136985	110.24	ug/L	100
35) Trichloroethene	8.21	95	1121776	110.38	ug/L	99
36) Methylcyclohexane	8.50	83	1497224	111.19	ug/L	96
40) 1,2-Dichloropropane	8.55	63	838397	99.30	ug/L	100
41) Bromodichloromethane	8.88	83	890750	109.29	ug/L	95
42) cis-1,3-Dichloropropene	9.41	75	785493	90.34	ug/L	99
43) 4-Methyl-2-pentanone	9.57	43	2399878	227.49	ug/L	100

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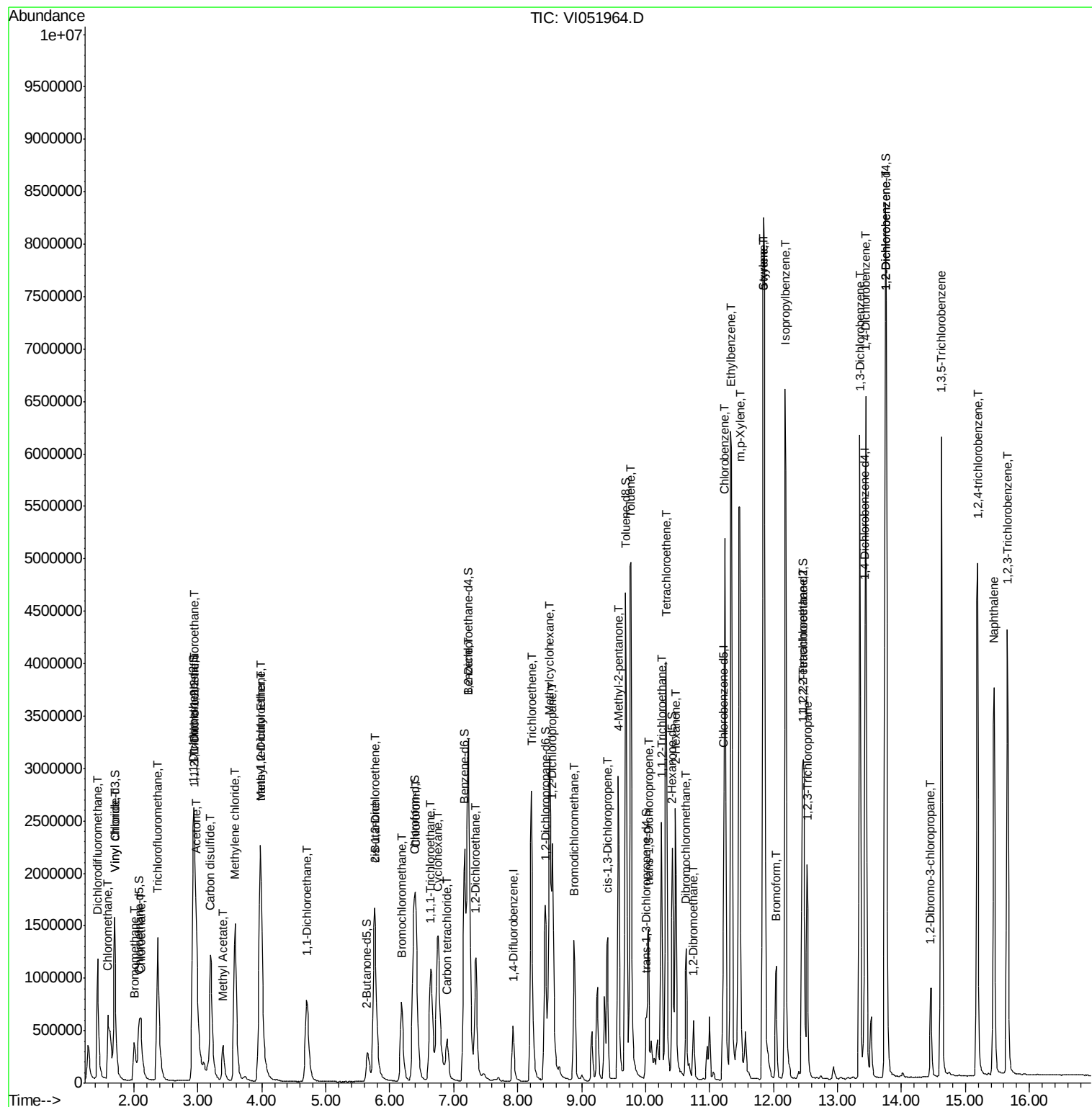
44) Toluene	9.77	91	4048680	105.51	ug/L	93
45) trans-1,3-Dichloropropene	10.05	75	703327	89.39	ug/L	93
46) 1,1,2-Trichloroethane	10.25	97	864567	98.80	ug/L	98
47) Tetrachloroethene	10.32	164	1078108	109.21	ug/L	96
49) 2-Hexanone	10.47	43	1873220	241.71	ug/L	97
50) Dibromochloromethane	10.64	129	641484	85.78	ug/L	98
51) 1,2-Dibromoethane	10.74	107	429213	62.80	ug/L	99
52) Chlorobenzene	11.25	112	3205362	106.87	ug/L	95
53) Ethylbenzene	11.33	91	5003793	108.46	ug/L	91
54) m,p-Xylene	11.47	106	2013905	104.89	ug/L	88
55) o-xylene	11.84	106	2014489	108.72	ug/L	90
56) Styrene	11.86	104	3322591	107.76	ug/L	91
57) Isopropylbenzene	12.18	105	4680694	98.81	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.48	83	1484448	112.19	ug/L	93
59) 1,2,3-Trichloropropane	12.53	75	855384	104.18	ug/L	99
62) Bromoform	12.04	173	554130	91.32	ug/L #	98
63) 1,3-Dichlorobenzene	13.35	146	2722626	107.67	ug/L	96
64) 1,4-Dichlorobenzene	13.44	146	2784006	108.44	ug/L	97
65) 1,2-Dichlorobenzene	13.77	146	2583502	107.57	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.45	75	238804	105.66	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	2279171	108.00	ug/L	99
68) 1,2,4-trichlorobenzene	15.19	180	1962162	113.50	ug/L	100
69) Naphthalene	15.45	128	3659618	126.58	ug/L	99
70) 1,2,3-Trichlorobenzene	15.66	180	1789111	120.31	ug/L	100

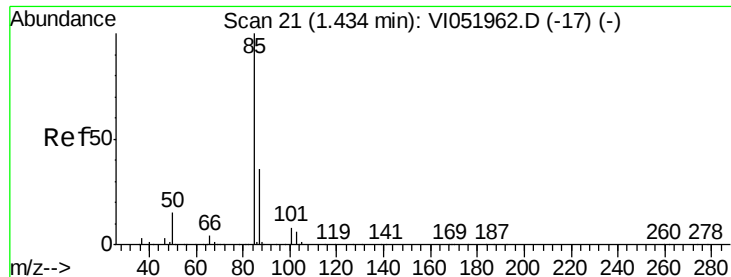
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 125.96 ug/L

RT: 1.43 min Scan# 21

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

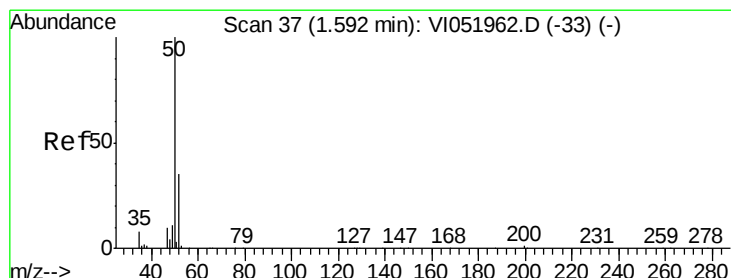
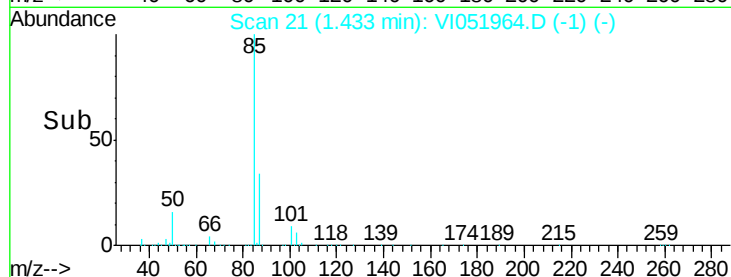
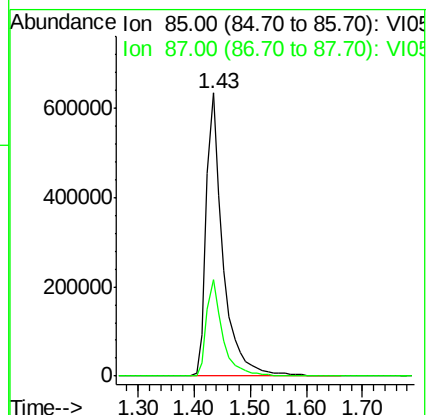
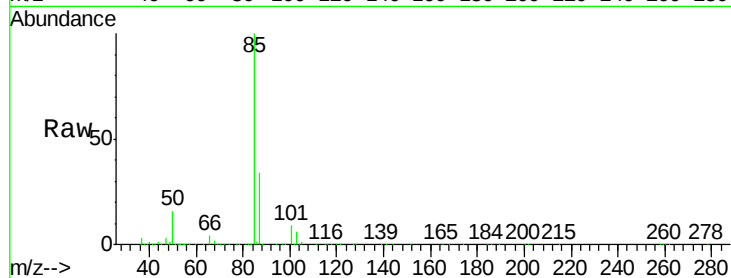
ClientSampleId :

Tot Ion: 85 Resp: 1312540

Ion Ratio Lower Upper

85 100

87 33.2 22.8 42.4



#3

Chloromethane

Concen: 122.22 ug/L

RT: 1.59 min Scan# 37

Delta R.T. -0.00 min

Lab File: VI051964.D

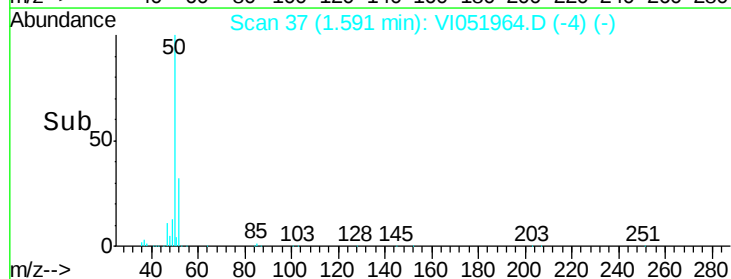
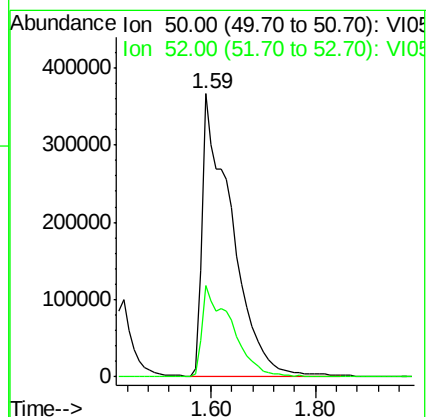
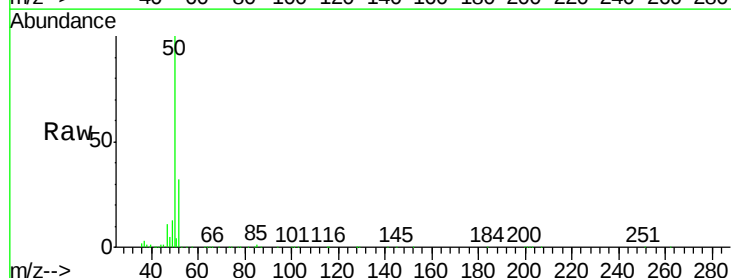
Acq: 24 Aug 2017 17:00

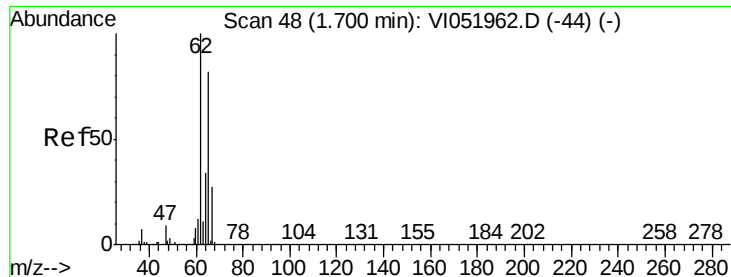
Tgt Ion: 50 Resp: 1420575

Ion Ratio Lower Upper

50 100

52 32.1 24.2 45.0





#5

Vinyl chloride

Concen: 117.33 ug/L

RT: 1.70 min Scan# 48

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

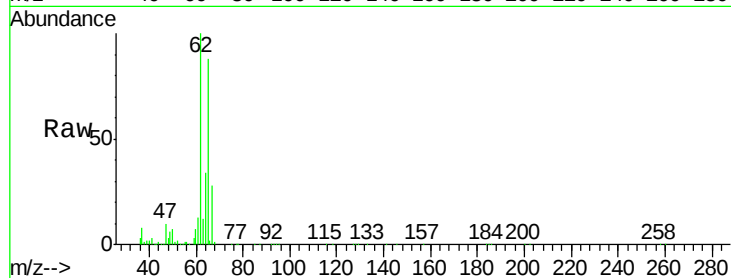
ClientSampleId :

Tot Ion: 62 Resp: 970950

Ion Ratio Lower Upper

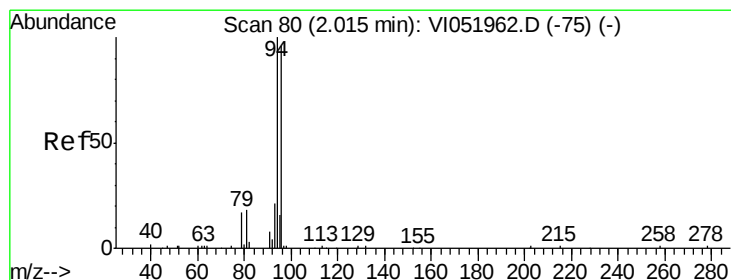
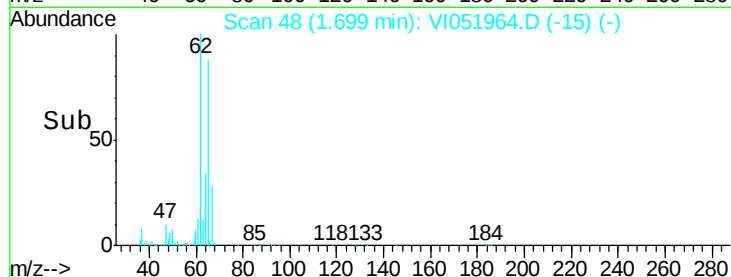
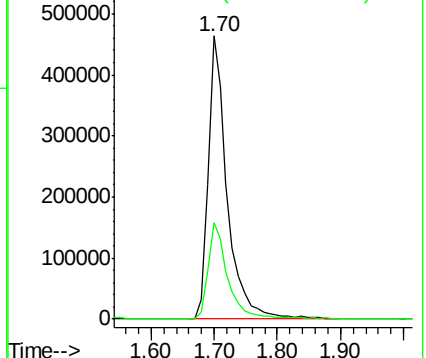
62 100

64 34.3 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VI05

Ion 64.00 (63.70 to 64.70): VI05



#6

Bromomethane

Concen: 65.73 ug/L

RT: 2.00 min Scan# 79

Delta R.T. -0.01 min

Lab File: VI051964.D

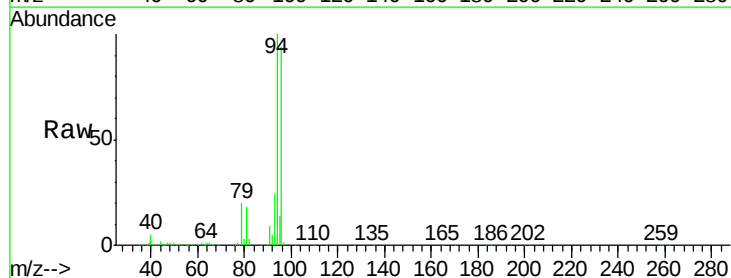
Acq: 24 Aug 2017 17:00

Tgt Ion: 94 Resp: 366030

Ion Ratio Lower Upper

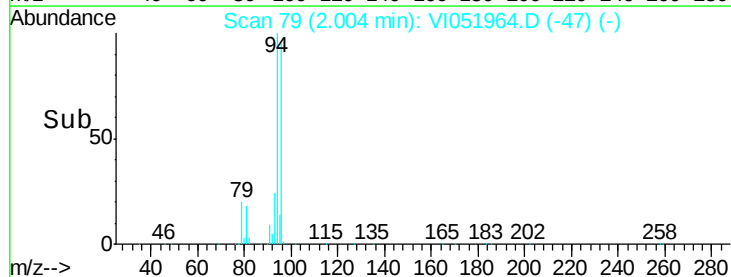
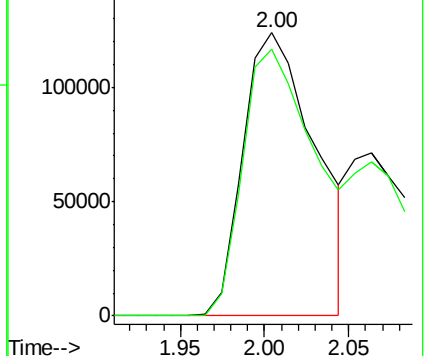
94 100

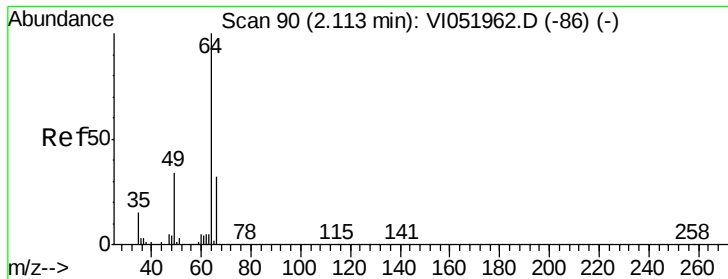
96 95.7 10.0 190.2



Abundance Ion 94.00 (93.70 to 94.70): VI05

Ion 96.00 (95.70 to 96.70): VI05





#8

Chloroethane

Concen: 108.39 ug/L

RT: 2.11 min Scan# 90

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

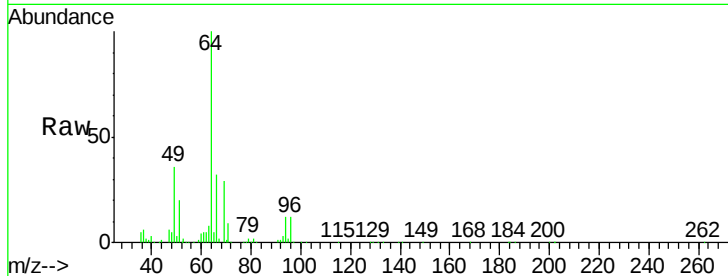
ClientSampleId :

Tot Ion: 64 Resp: 429607

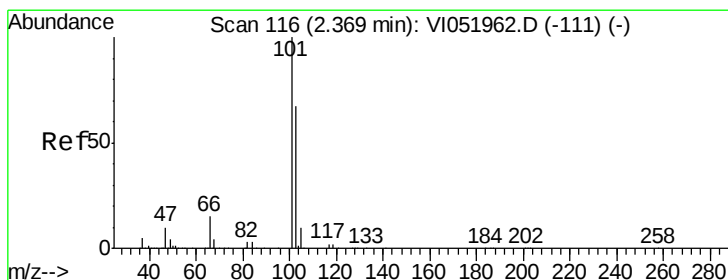
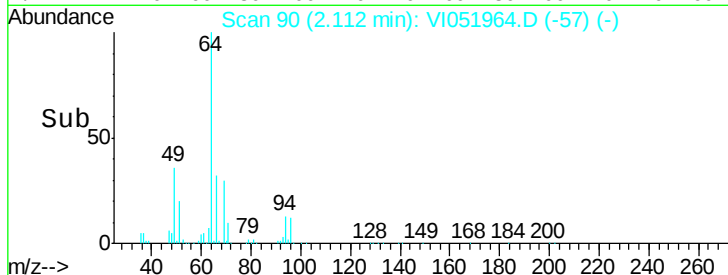
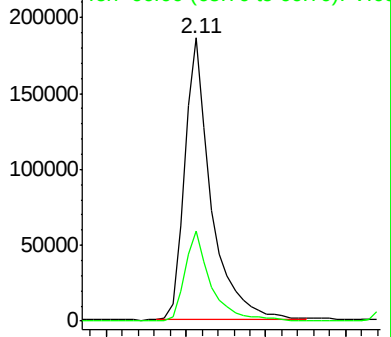
Ion Ratio Lower Upper

64 100

66 31.9 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VI051964.D (-57) (-)



#9

Trichlorofluoromethane

Concen: 122.64 ug/L

RT: 2.37 min Scan# 116

Delta R.T. -0.00 min

Lab File: VI051964.D

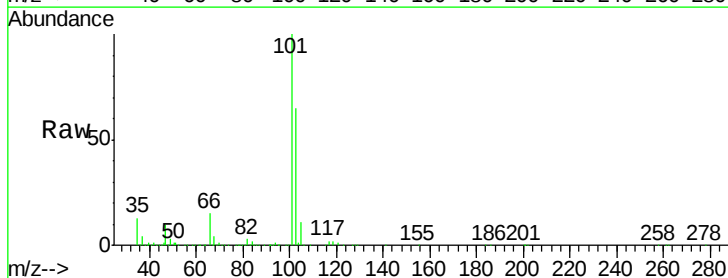
Acq: 24 Aug 2017 17:00

Tgt Ion:101 Resp: 1609995

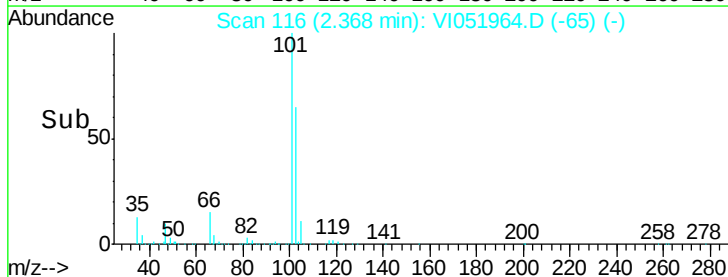
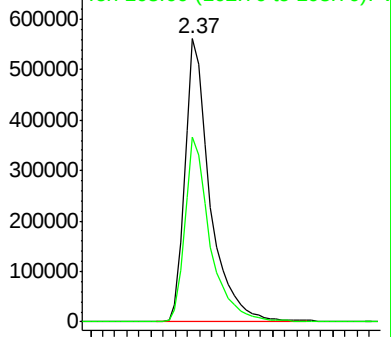
Ion Ratio Lower Upper

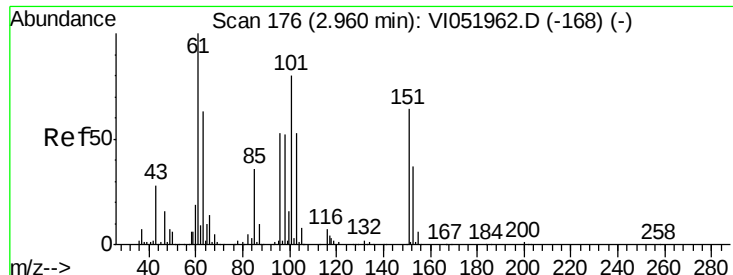
101 100

103 65.3 46.2 85.8



Abundance Ion 101.00 (100.70 to 101.70): VI051964.D (-65) (-)





#11

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

Concen: 121.71 ug/L

RT: 2.96 min Scan# 176

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

ClientSampleId :

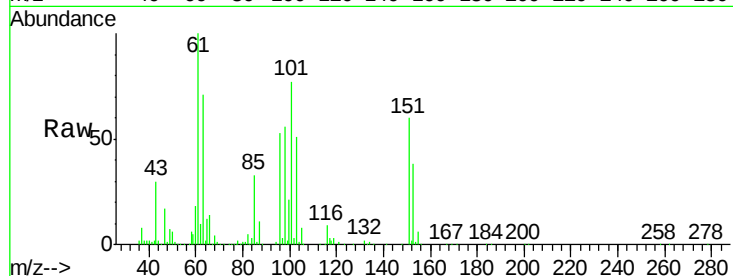
Tot Ion:101 Resp: 858386

Ion Ratio Lower Upper

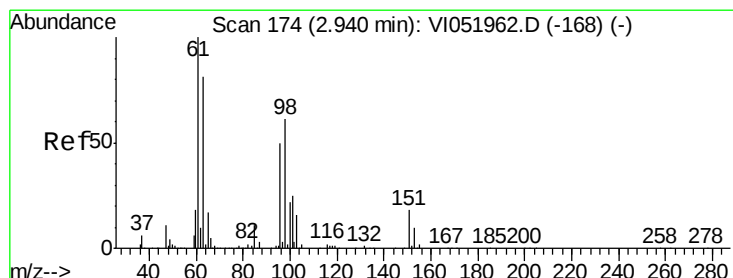
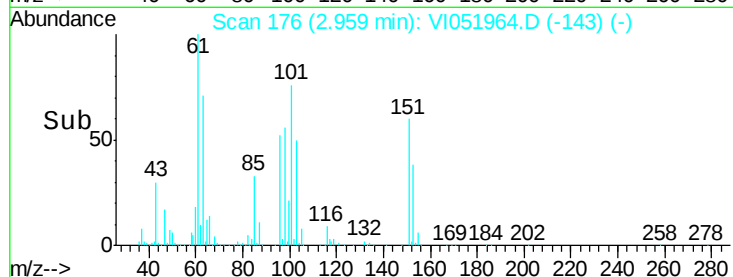
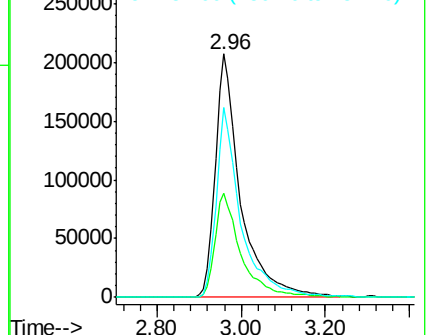
101 100

85 43.9 35.2 52.8

151 76.1 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: 111.91 ug/L

RT: 2.94 min Scan# 174

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

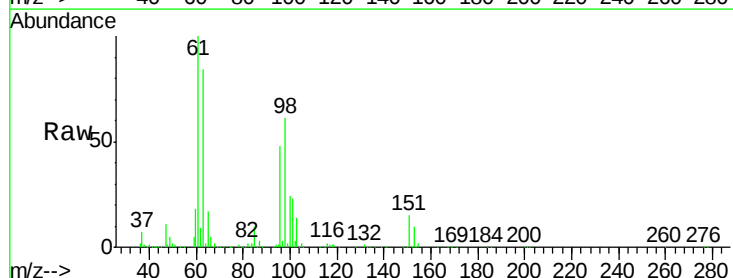
Tgt Ion: 96 Resp: 733885

Ion Ratio Lower Upper

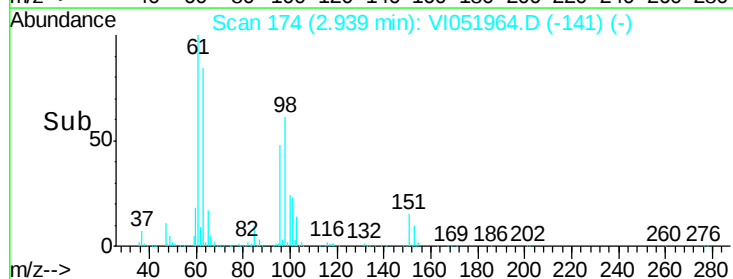
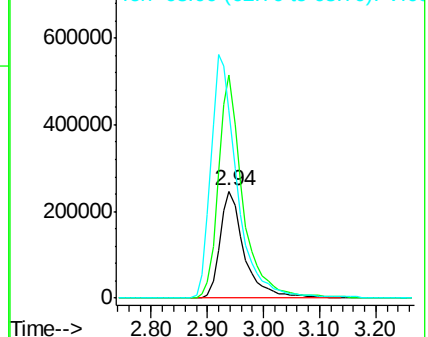
96 100

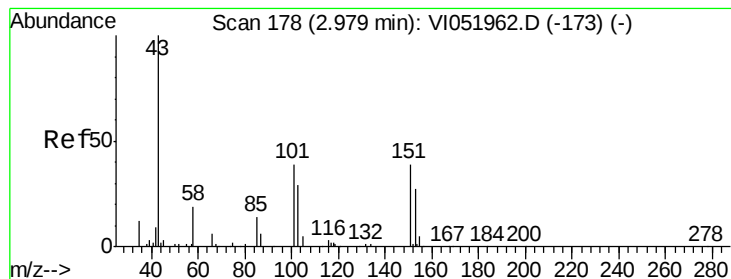
61 208.0 139.4 258.8

63 175.1 114.7 213.1



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: 228.18 ug/L

RT: 2.98 min Scan# 178

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

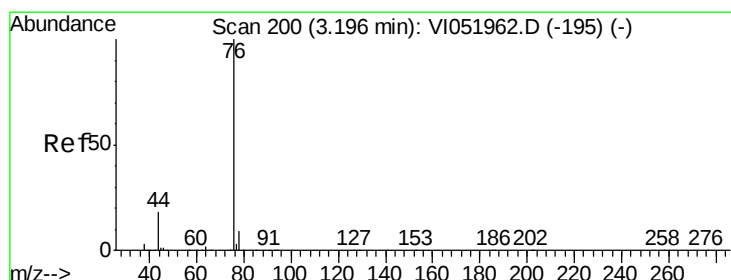
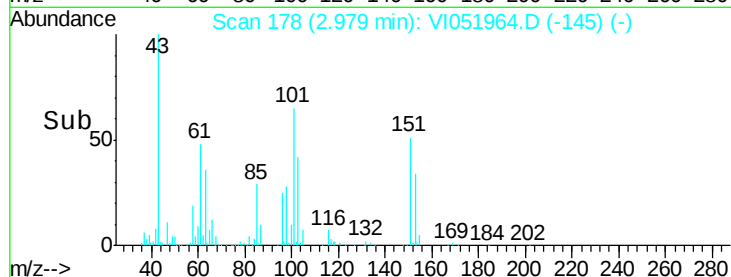
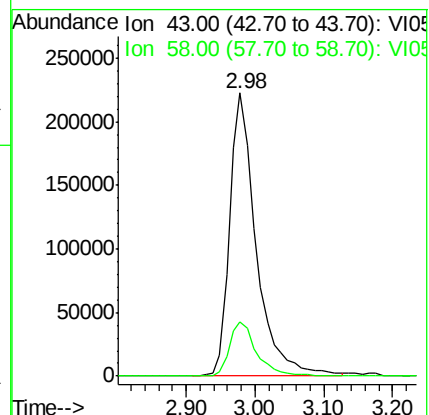
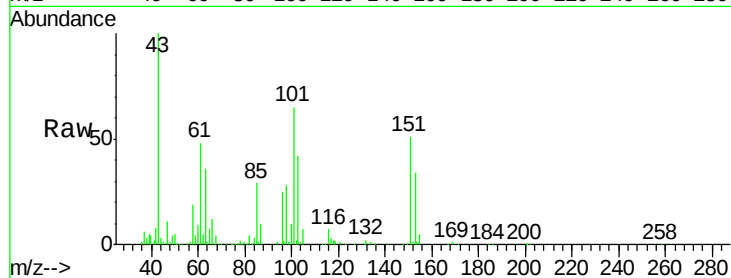
ClientSampleId :

Tot Ion: 43 Resp: 595420

Ion Ratio Lower Upper

43 100

58 19.4 0.0 40.2



#14

Carbon disulfide

Concen: 109.45 ug/L

RT: 3.20 min Scan# 200

Delta R.T. -0.00 min

Lab File: VI051964.D

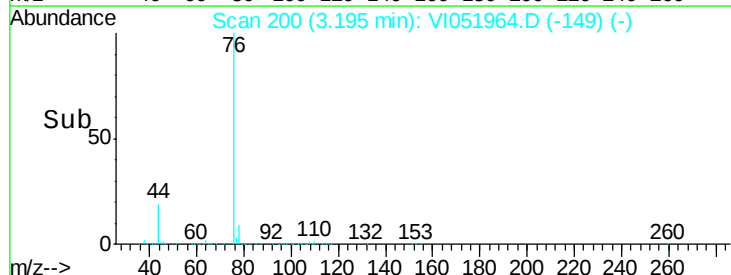
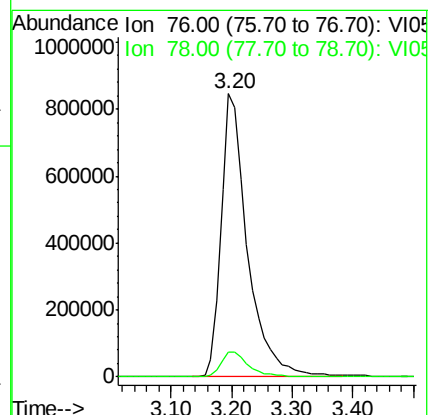
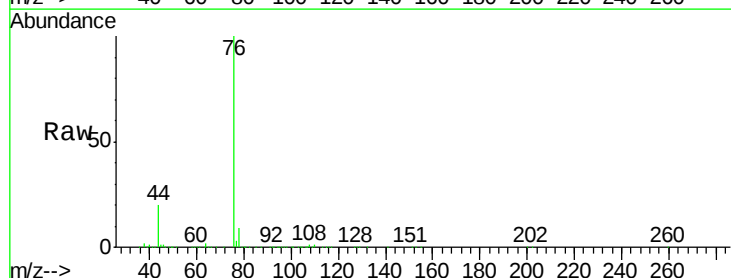
Acq: 24 Aug 2017 17:00

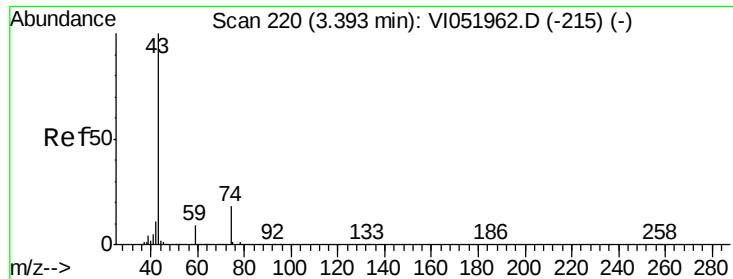
Tgt Ion: 76 Resp: 2557155

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

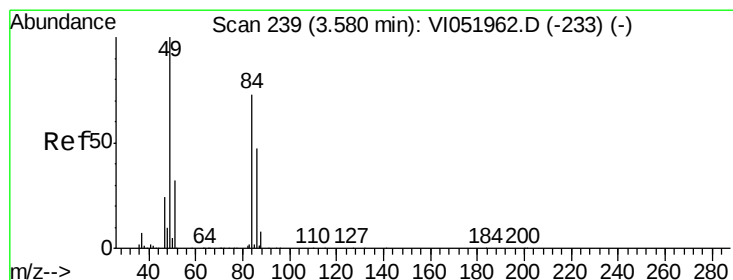
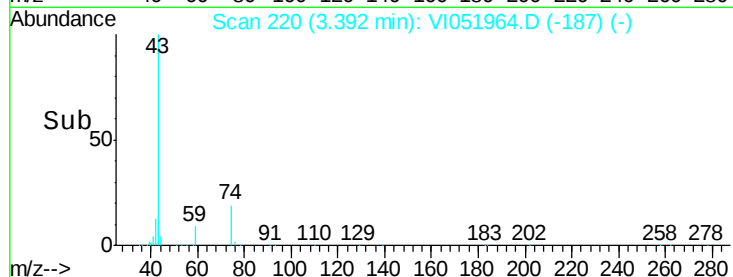
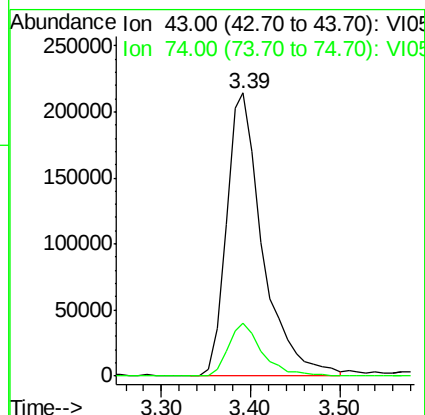
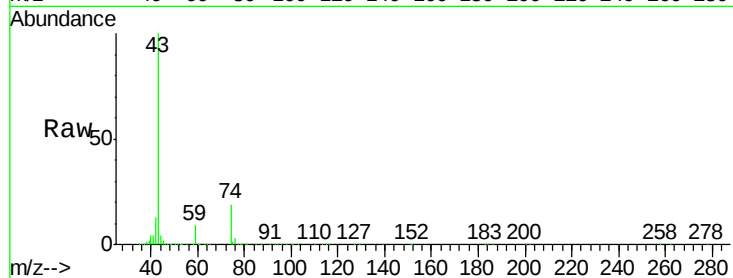




#15
Methyl Acetate
Concen: 115.04 ug/L
RT: 3.39 min Scan# 220
Delta R.T. -0.00 min
Lab File: VI051964.D
Acq: 24 Aug 2017 17:00

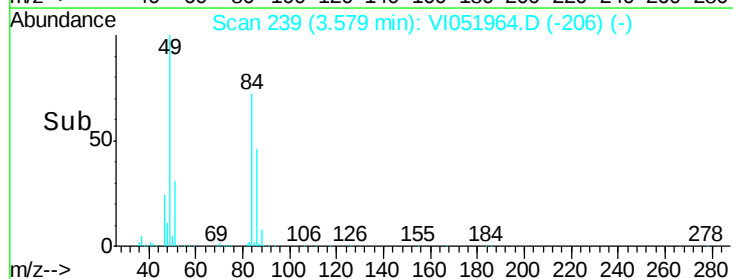
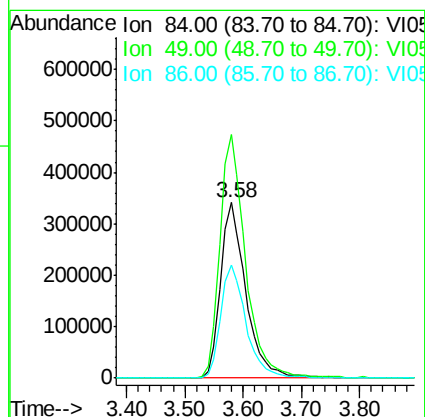
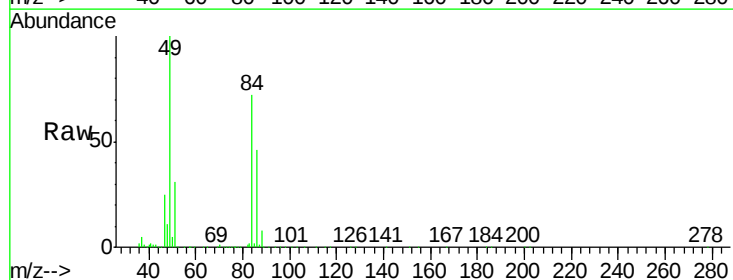
Instrument :
BNA_F
ClientSampled :

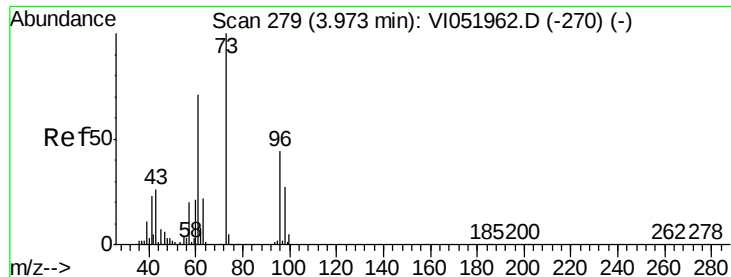
Tot Ion: 43 Resp: 602504
Ion Ratio Lower Upper
43 100
74 16.9 13.7 20.5



#16
Methylene chloride
Concen: 115.08 ug/L
RT: 3.58 min Scan# 239
Delta R.T. -0.00 min
Lab File: VI051964.D
Acq: 24 Aug 2017 17:00

Tgt Ion: 84 Resp: 1027140
Ion Ratio Lower Upper
84 100
49 138.8 95.6 177.6
86 64.3 44.9 83.3

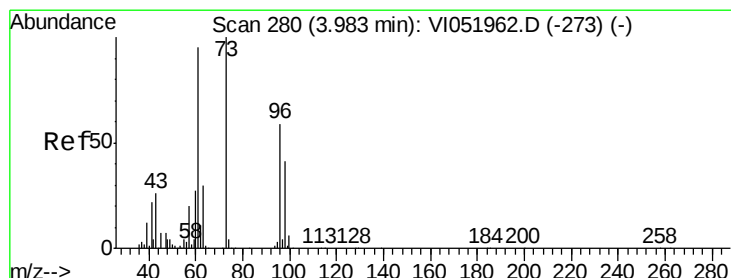
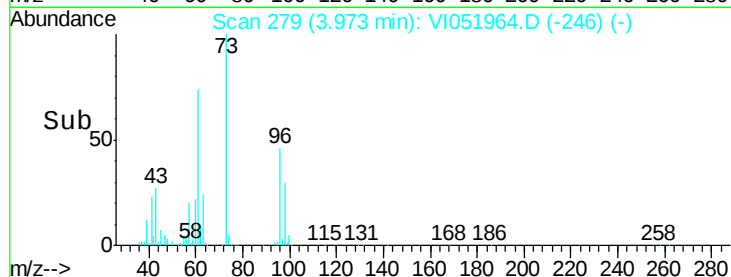
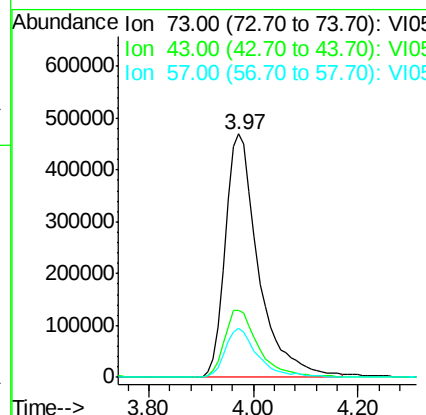
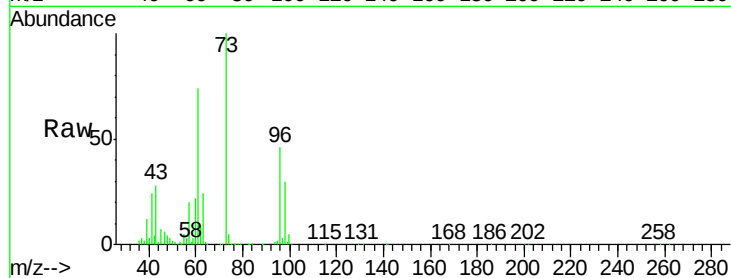




#17
Methvl tert-butvl Ether
Concen: 120.54 ug/L
RT: 3.97 min Scan# 279
Delta R.T. -0.00 min
Lab File: VI051964.D
Acq: 24 Aug 2017 17:00

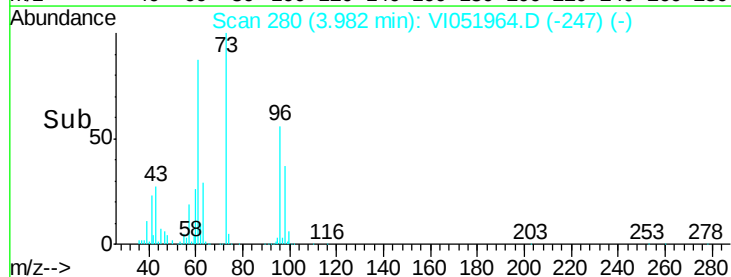
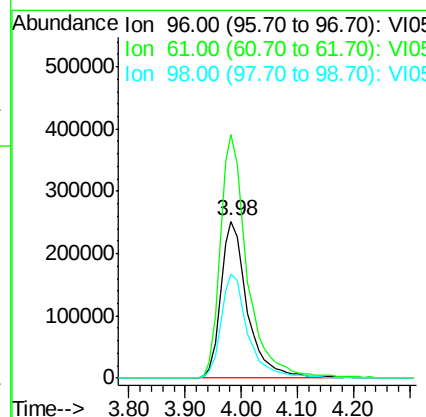
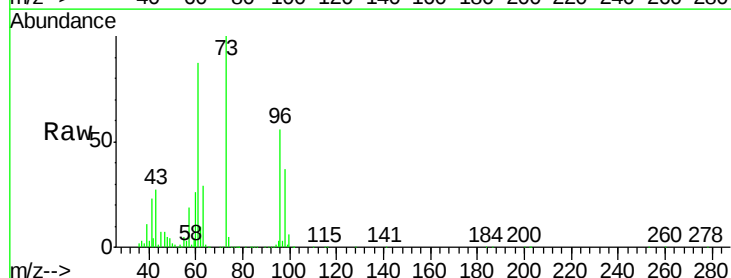
Instrument :
BNA_F
ClientSampleId :

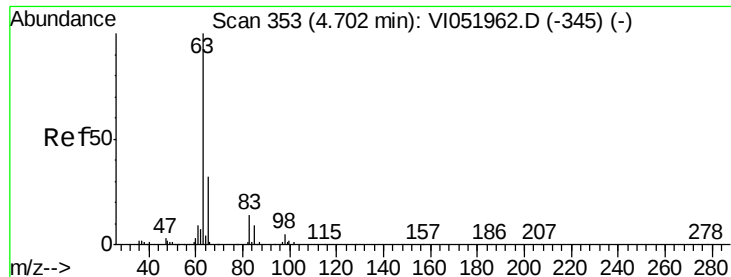
Tot Ion: 73 Resp: 2045947
Ion Ratio Lower Upper
73 100
43 27.9 22.3 33.5
57 19.7 15.8 23.6



#18
trans-1,2-Dichloroethene
Concen: 121.38 ug/L
RT: 3.98 min Scan# 280
Delta R.T. -0.00 min
Lab File: VI051964.D
Acq: 24 Aug 2017 17:00

Tgt Ion: 96 Resp: 828728
Ion Ratio Lower Upper
96 100
61 155.1 112.1 208.3
98 66.4 48.5 90.1





#19

1,1-Dichloroethane

Concen: 115.87 ug/L

RT: 4.70 min Scan# 353

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

ClientSampled :

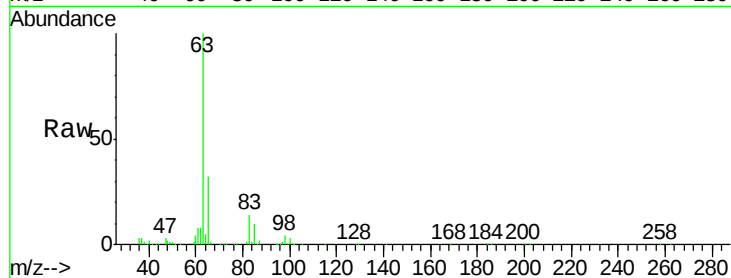
Tot Ion: 63 Resp: 1567668

Ion Ratio Lower Upper

63 100

65 32.2 22.3 41.3

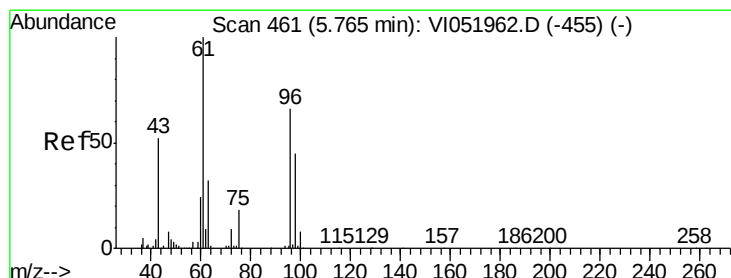
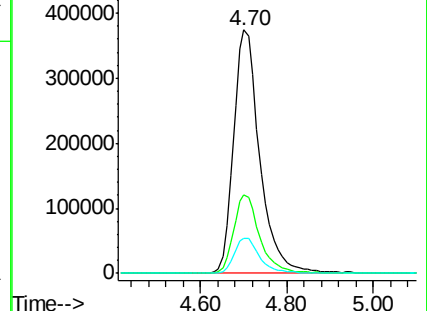
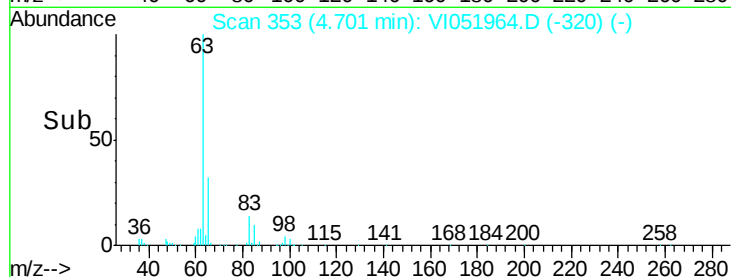
83 14.4 9.9 18.5



Abundance Ion 63.00 (62.70 to 63.70): VI051964.D (-320) (-)

Ion 65.00 (64.70 to 65.70): VI051964.D (-320) (-)

Ion 83.00 (82.70 to 83.70): VI051964.D (-320) (-)



#21

2-Butanone

Concen: 235.70 ug/L

RT: 5.76 min Scan# 461

Delta R.T. -0.00 min

Lab File: VI051964.D

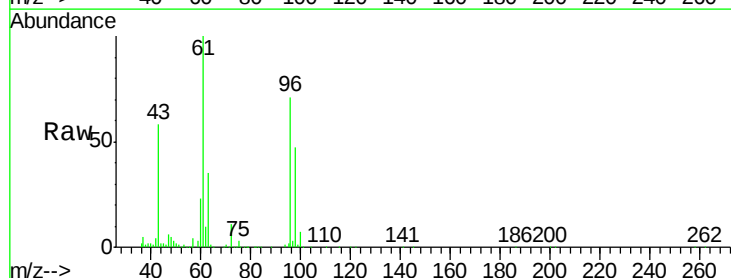
Acq: 24 Aug 2017 17:00

Tgt Ion: 43 Resp: 787905

Ion Ratio Lower Upper

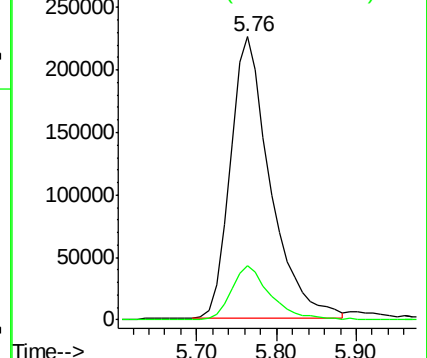
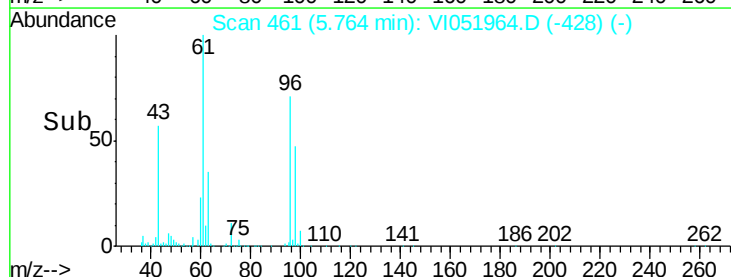
43 100

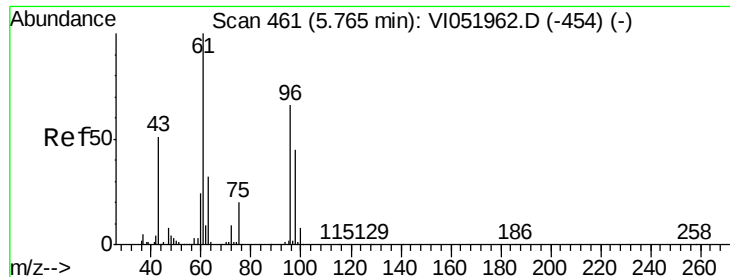
72 18.9 9.2 27.6



Abundance Ion 43.00 (42.70 to 43.70): VI051964.D (-428) (-)

Ion 72.00 (71.70 to 72.70): VI051964.D (-428) (-)





#22

cis-1,2-Dichloroethene

Concen: 118.51 ug/L

RT: 5.76 min Scan# 461

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

ClientSampled :

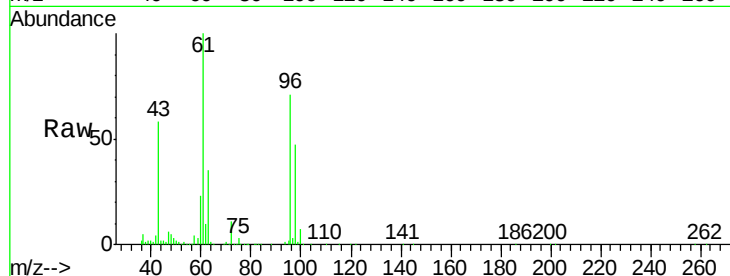
Tot Ion: 96 Resp: 979105

Ion Ratio Lower Upper

96 100

61 141.3 106.8 198.4

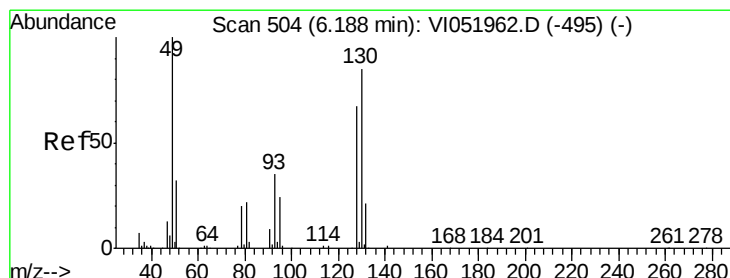
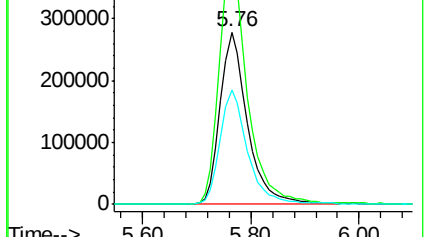
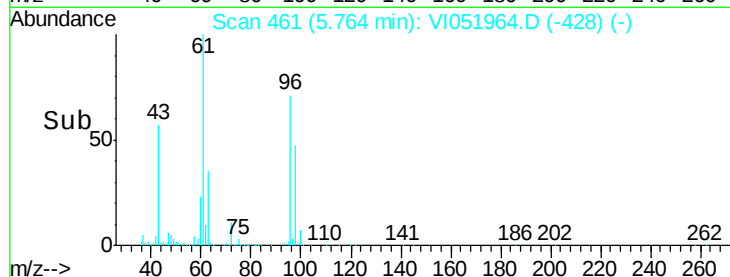
98 66.1 48.2 89.4



Abundance Ion 96.00 (95.70 to 96.70): VI051964.D (-428) (-)

Ion 61.00 (60.70 to 61.70): VI051964.D (-428) (-)

Ion 98.00 (97.70 to 98.70): VI051964.D (-428) (-)



#23

Bromochloromethane

Concen: 93.80 ug/L

RT: 6.19 min Scan# 504

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Tgt Ion:128 Resp: 357566

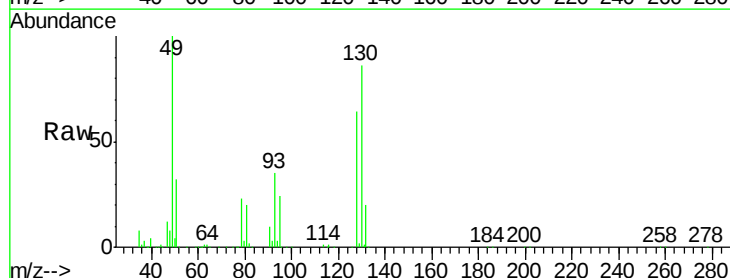
Ion Ratio Lower Upper

128 100

49 156.0 104.2 193.4

130 133.9 88.2 163.8

51 49.2 39.2 58.8

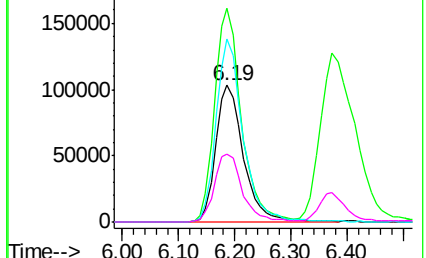
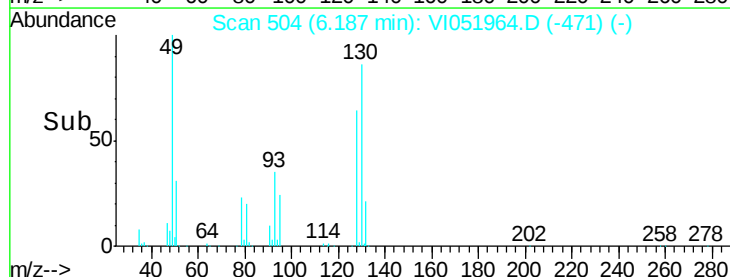


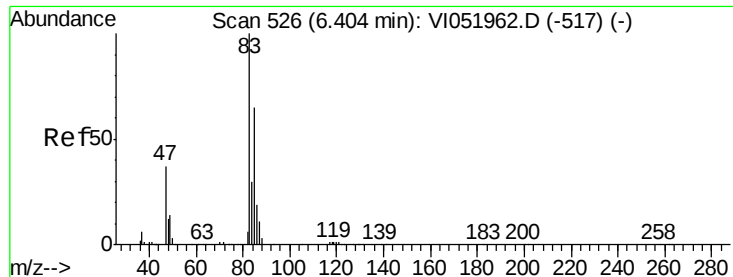
Abundance Ion 128.00 (127.70 to 128.70): VI051964.D (-471) (-)

Ion 49.00 (48.70 to 49.70): VI051964.D (-471) (-)

Ion 130.00 (129.70 to 130.70): VI051964.D (-471) (-)

Ion 51.00 (50.70 to 51.70): VI051964.D (-471) (-)





#25

Chloroform

Concen: 118.83 ug/L

RT: 6.41 min Scan# 527

Delta R.T. 0.01 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

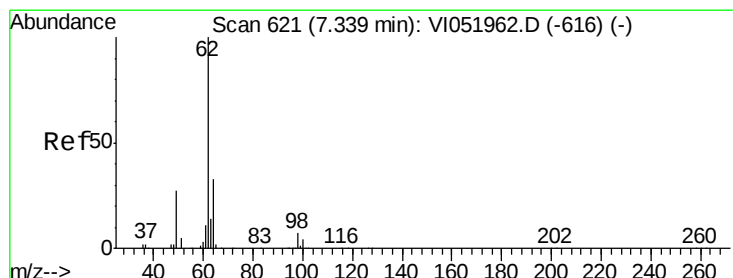
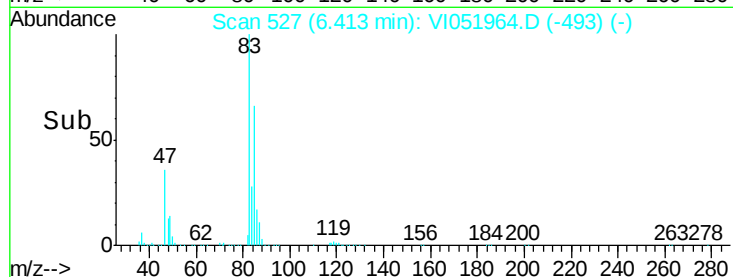
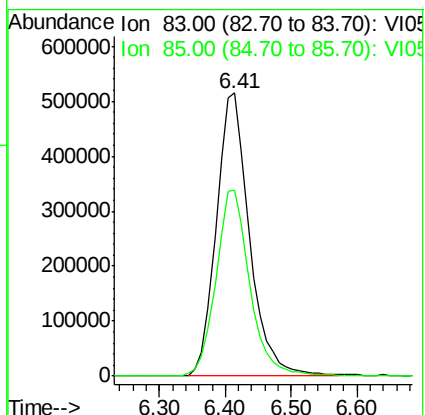
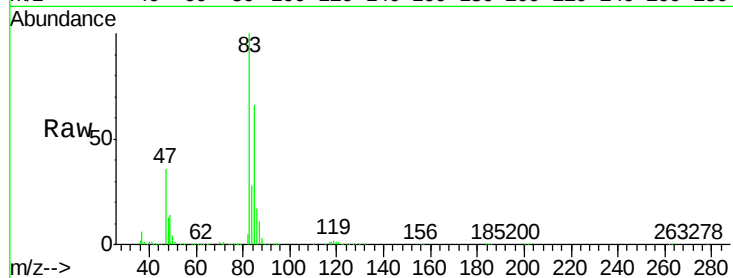
ClientSampled :

Tot Ion: 83 Resp: 1798850

Ion Ratio Lower Upper

83 100

85 67.0 46.3 85.9



#27

1,2-Dichloroethane

Concen: 123.23 ug/L

RT: 7.35 min Scan# 622

Delta R.T. 0.01 min

Lab File: VI051964.D

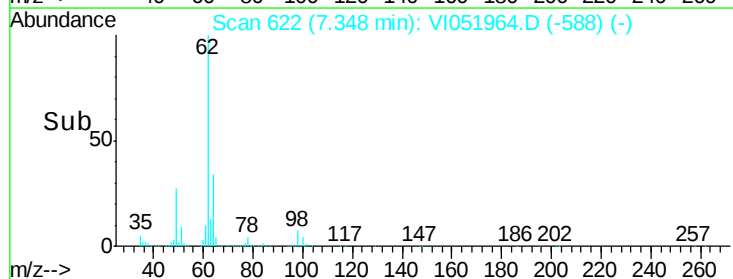
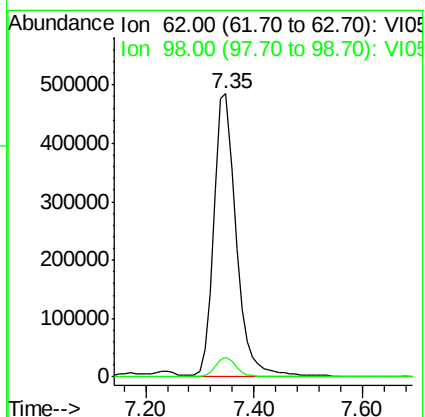
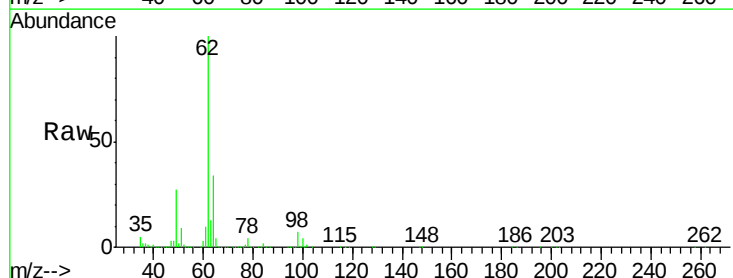
Acq: 24 Aug 2017 17:00

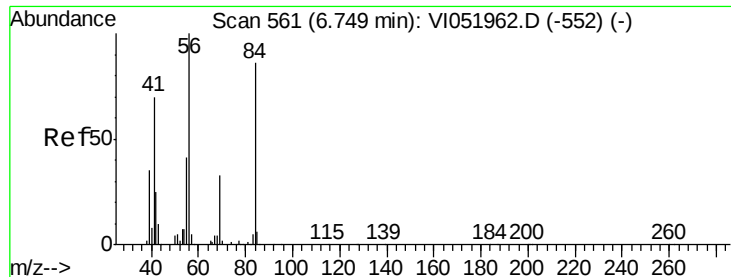
Tgt Ion: 62 Resp: 1393430

Ion Ratio Lower Upper

62 100

98 7.0 5.5 8.3

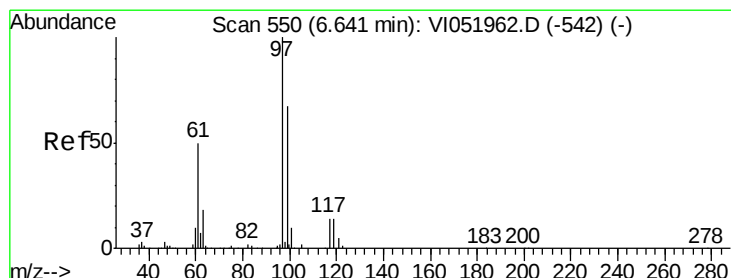
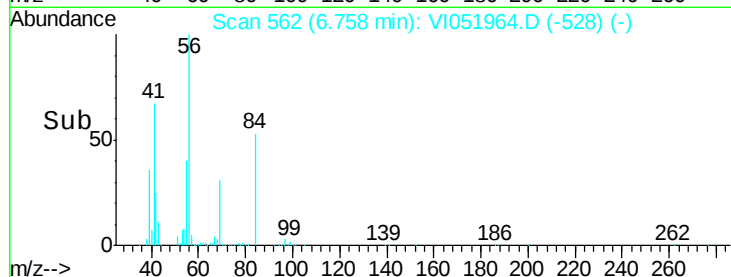
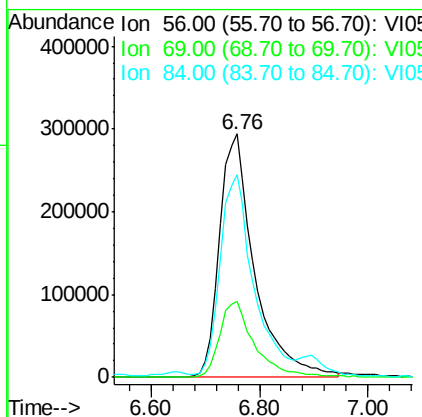
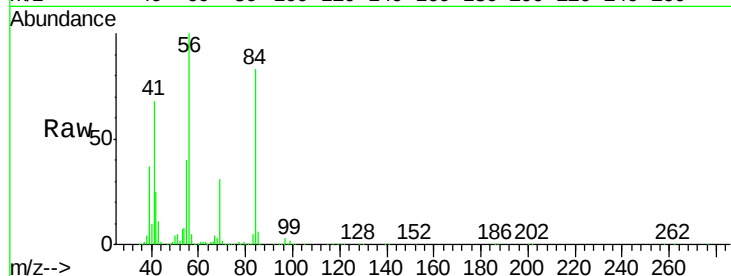




#30
Cvclohexane
Concen: 110.80 ug/L
RT: 6.76 min Scan# 562
Delta R.T. 0.01 min
Lab File: VI051964.D
Acq: 24 Aug 2017 17:00

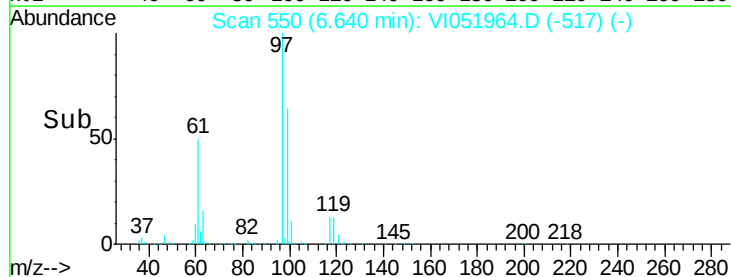
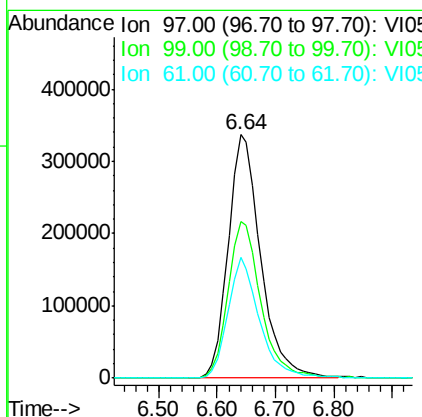
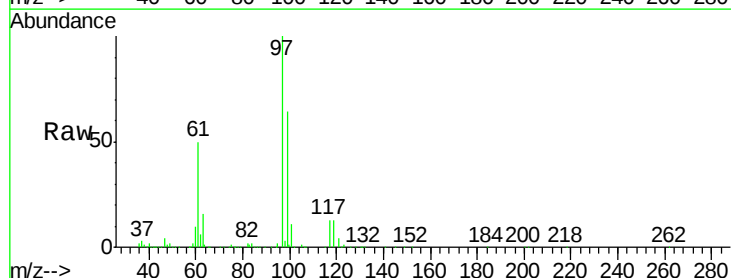
Instrument :
BNA_F
ClientSampleId :

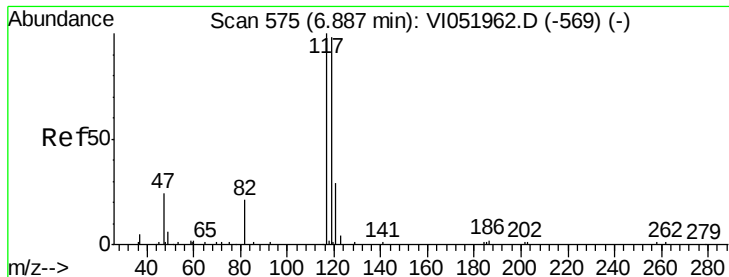
Tot Ion: 56 Resp: 1322710
Ion Ratio Lower Upper
56 100
69 30.7 24.2 36.4
84 77.2 59.6 89.4



#31
1,1,1-Trichloroethane
Concen: 119.94 ug/L
RT: 6.64 min Scan# 550
Delta R.T. -0.00 min
Lab File: VI051964.D
Acq: 24 Aug 2017 17:00

Tgt Ion: 97 Resp: 1305898
Ion Ratio Lower Upper
97 100
99 64.9 51.3 76.9
61 47.7 38.6 58.0





#32

Carbon tetrachloride

Concen: 85.46 ug/L

RT: 6.90 min Scan# 576

Delta R.T. 0.01 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

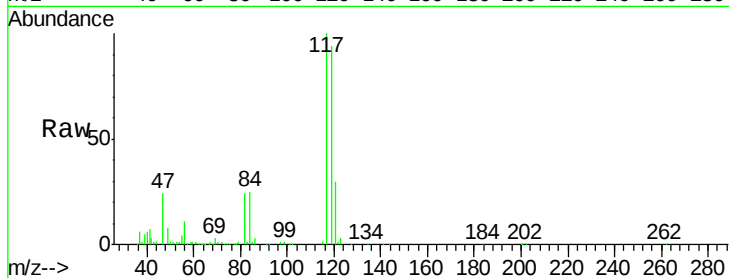
ClientSampleId :

Tot Ion:117 Resp: 331654

Ion Ratio Lower Upper

117 100

119 97.1 78.3 117.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

6.90

120000

100000

80000

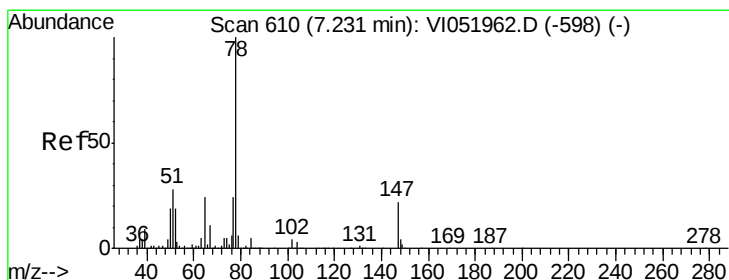
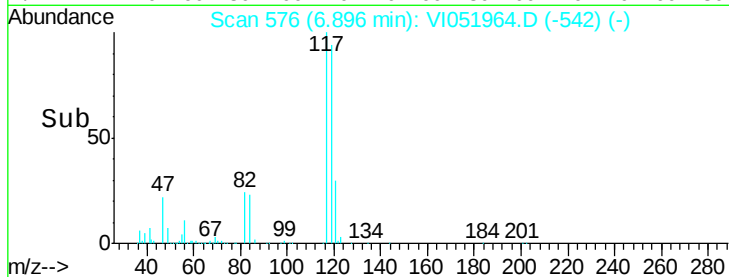
60000

40000

20000

0

Time-->



#34

Benzene

Concen: 110.24 ug/L

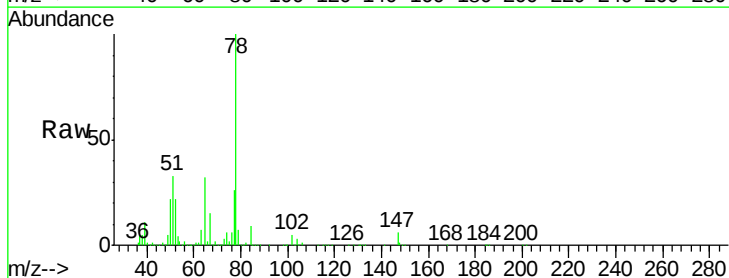
RT: 7.23 min Scan# 610

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Tgt Ion: 78 Resp: 3136985



Abundance Ion 78.00 (77.70 to 78.70): VI05

1000000

800000

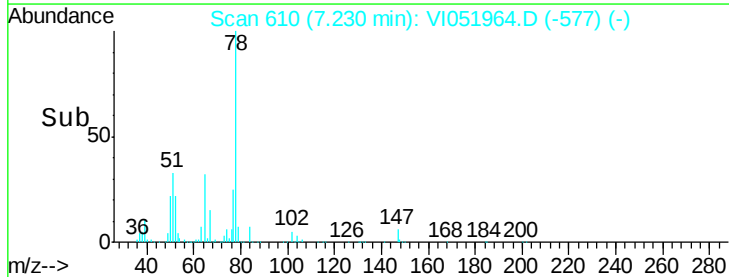
600000

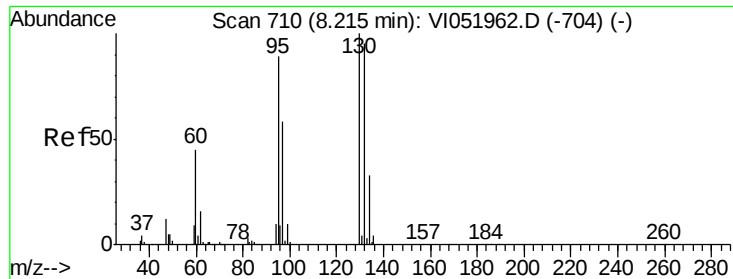
400000

200000

0

Time-->

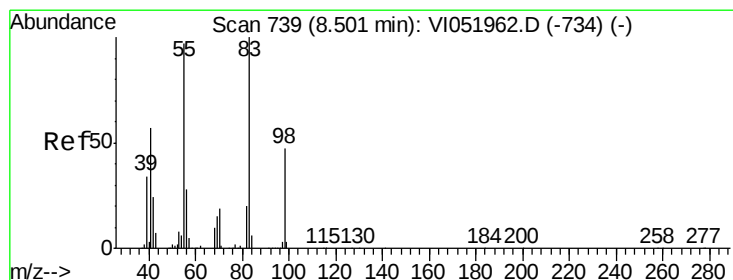
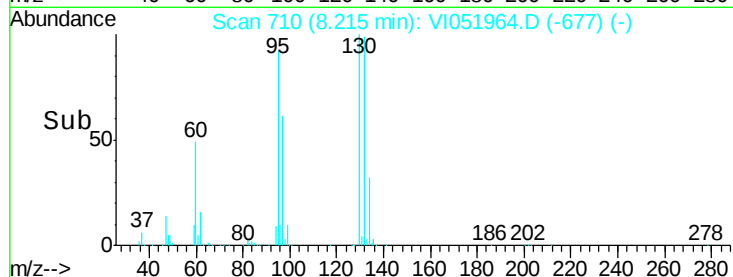
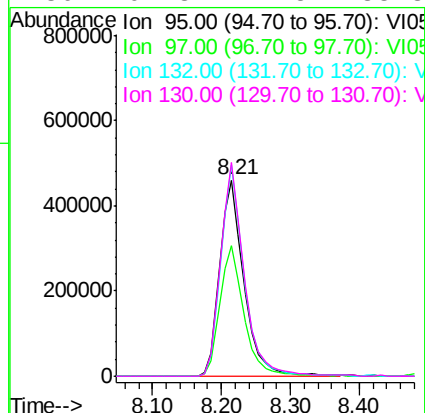
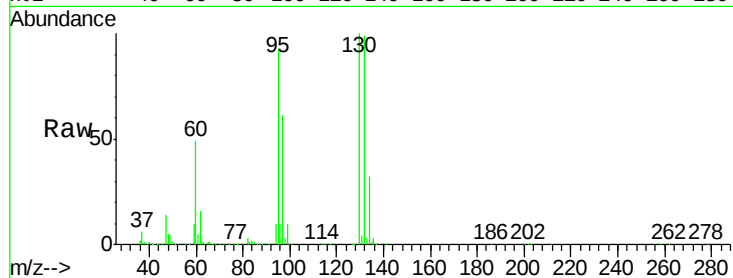




#35
 Trichloroethene
 Concen: 110.38 ug/L
 RT: 8.21 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: VI051964.D
 Acq: 24 Aug 2017 17:00

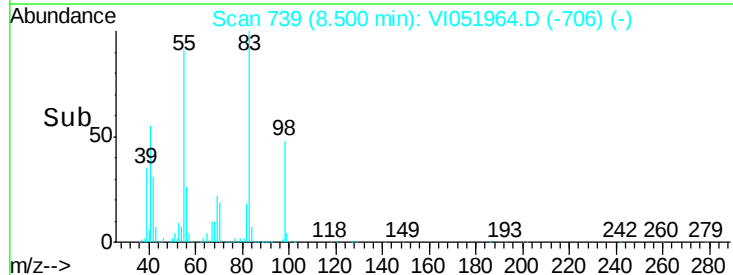
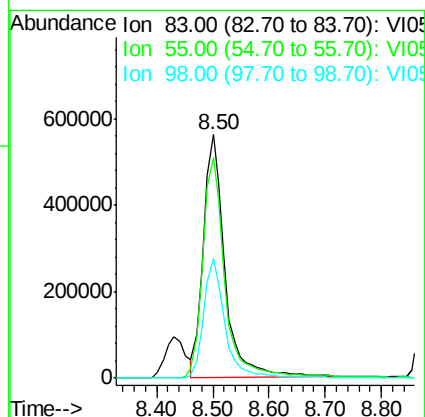
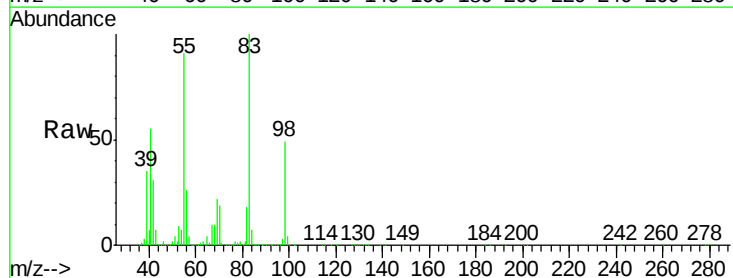
Instrument :
 BNA_F
 ClientSampleId :

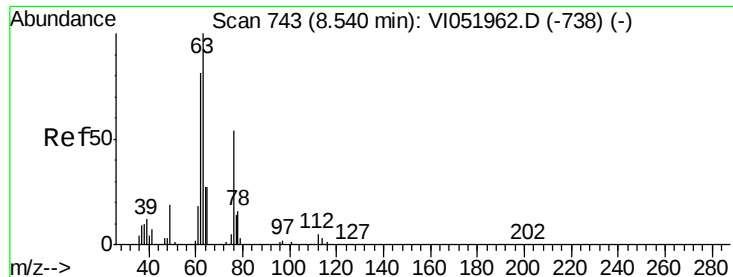
Tot Ion: 95 Resp: 1121776
 Ion Ratio Lower Upper
 95 100
 97 66.0 46.2 85.8
 132 103.0 72.7 135.1
 130 104.3 74.5 138.3



#36
 Methylcyclohexane
 Concen: 111.19 ug/L
 RT: 8.50 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VI051964.D
 Acq: 24 Aug 2017 17:00

Tgt Ion: 83 Resp: 1497224
 Ion Ratio Lower Upper
 83 100
 55 95.6 73.4 110.0
 98 47.8 36.7 55.1

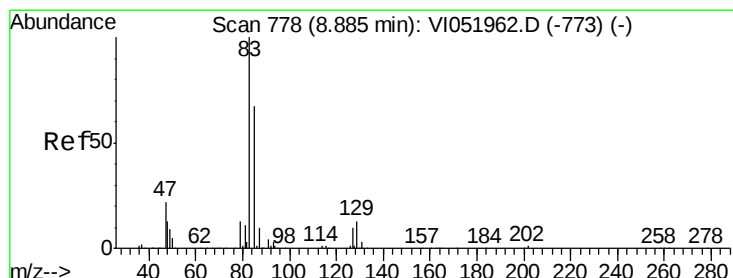
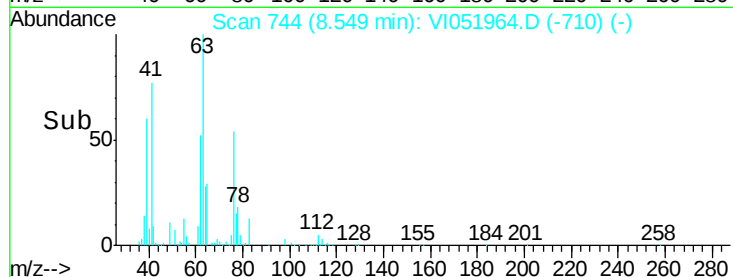
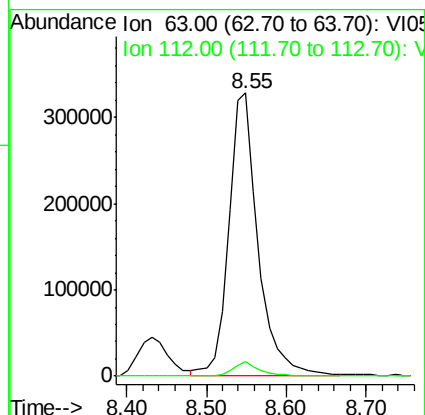
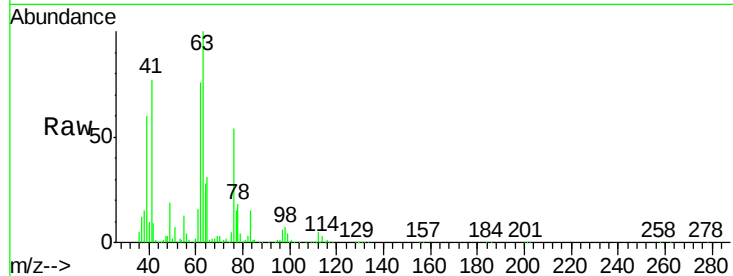




#40
 1,2-Dichloropropane
 Concen: 99.30 ug/L
 RT: 8.55 min Scan# 744
 Delta R.T. 0.01 min
 Lab File: VI051964.D
 Acq: 24 Aug 2017 17:00

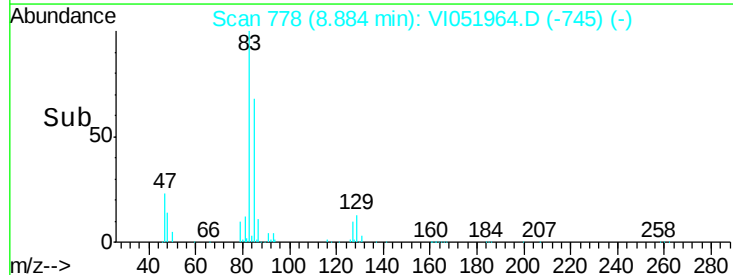
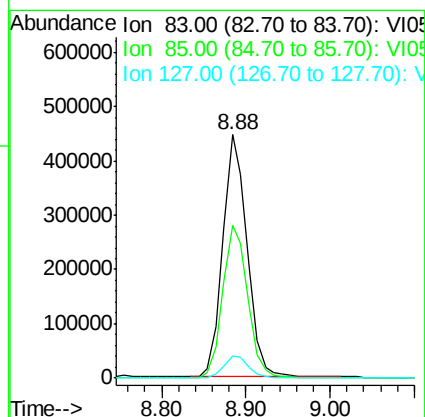
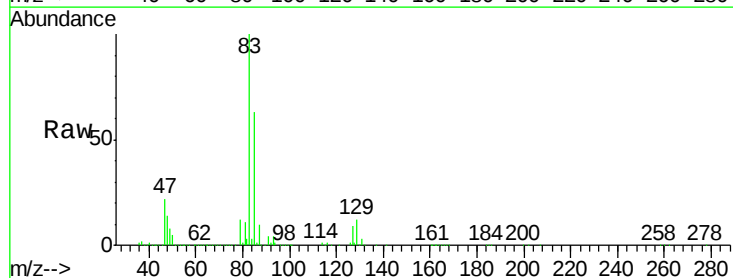
Instrument :
 BNA_F
 ClientSampleId :

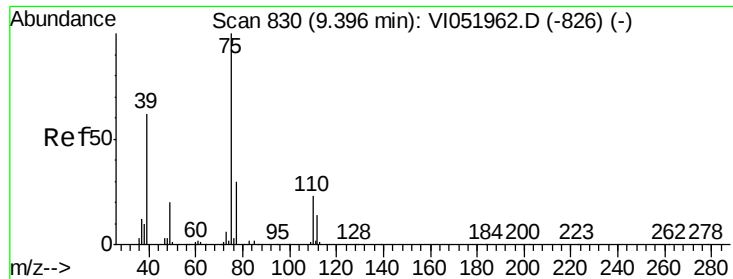
Tot Ion: 63 Resp: 838397
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#41
 Bromodichloromethane
 Concen: 109.29 ug/L
 RT: 8.88 min Scan# 778
 Delta R.T. -0.00 min
 Lab File: VI051964.D
 Acq: 24 Aug 2017 17:00

Tgt Ion: 83 Resp: 890750
 Ion Ratio Lower Upper
 83 100
 85 63.0 46.8 87.0
 127 9.0 8.2 12.2





#42

cis-1,3-Dichloropropene

Concen: 90.34 ug/L

RT: 9.41 min Scan# 831

Delta R.T. 0.01 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

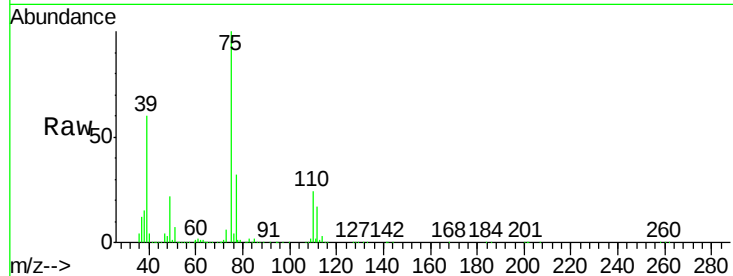
ClientSampleId :

Tot Ion: 75 Resp: 785493

Ion Ratio Lower Upper

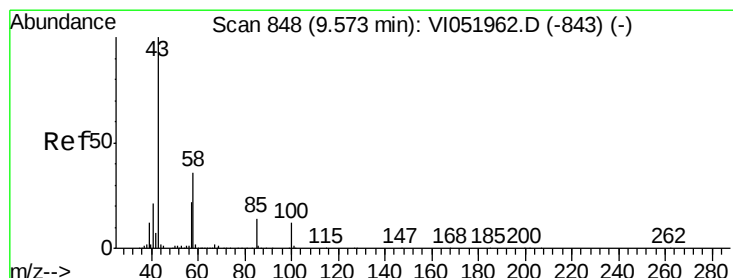
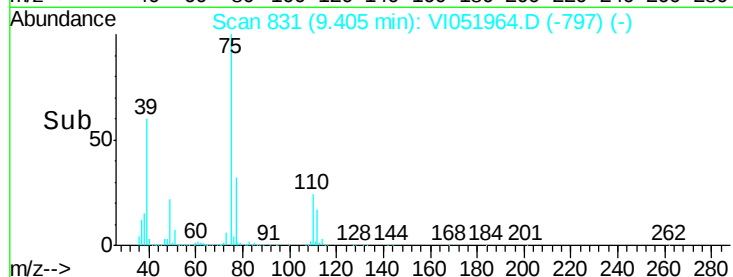
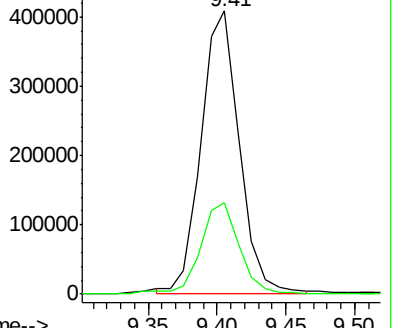
75 100

77 32.3 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VI051962.D (-826) (-)

Ion 77.00 (76.70 to 77.70): VI051962.D (-826) (-)



#43

4-Methyl-2-pentanone

Concen: 227.49 ug/L

RT: 9.57 min Scan# 848

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

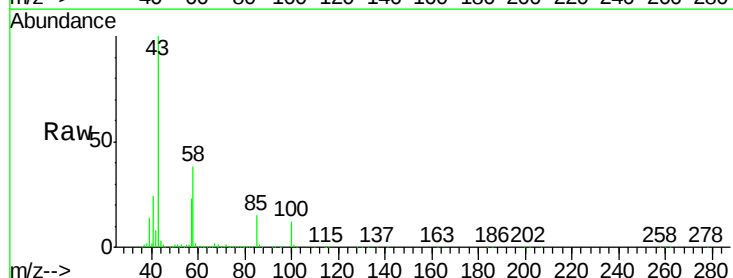
Tgt Ion: 43 Resp: 2399878

Ion Ratio Lower Upper

43 100

58 37.3 30.0 45.0

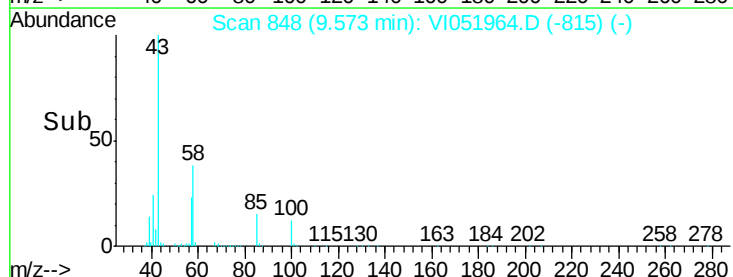
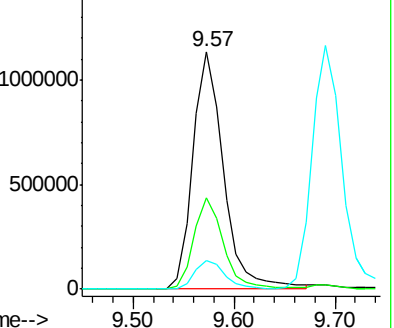
100 12.0 9.5 14.3

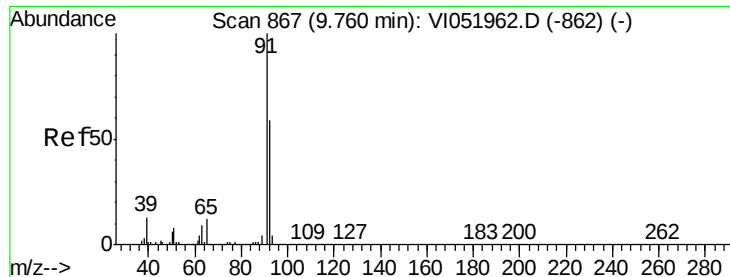


Abundance Ion 43.00 (42.70 to 43.70): VI051962.D (-843) (-)

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: 105.51 ug/L

RT: 9.77 min Scan# 868

Delta R.T. 0.01 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

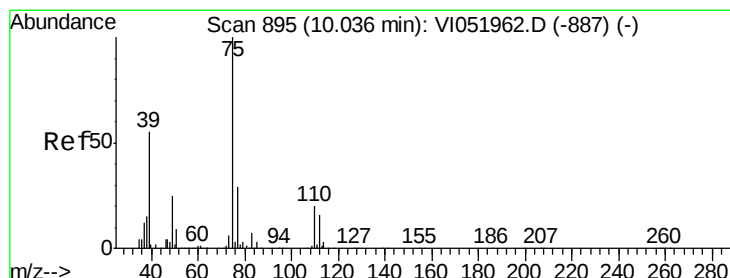
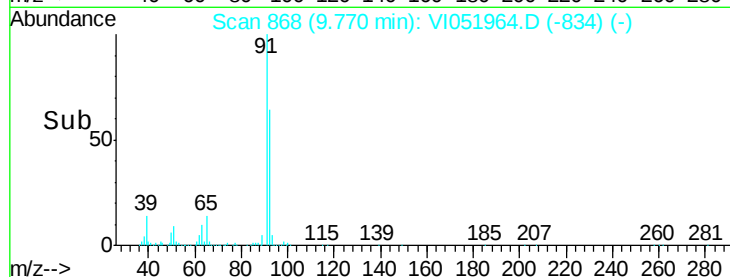
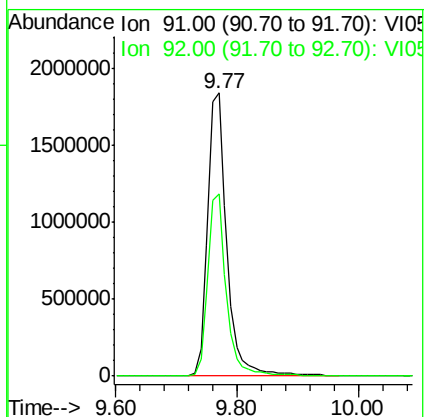
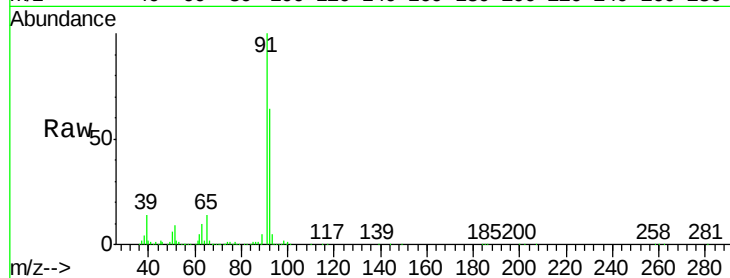
ClientSampleId :

Tot Ion: 91 Resp: 4048680

Ion Ratio Lower Upper

91 100

92 64.4 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 89.39 ug/L

RT: 10.05 min Scan# 896

Delta R.T. 0.01 min

Lab File: VI051964.D

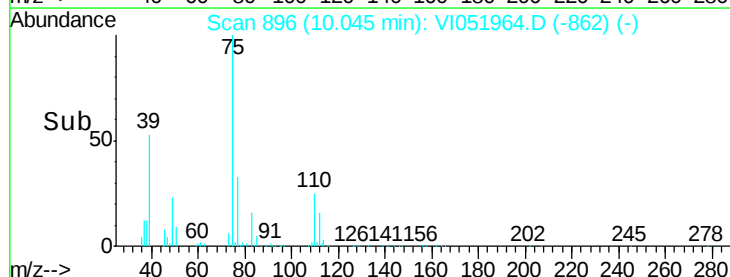
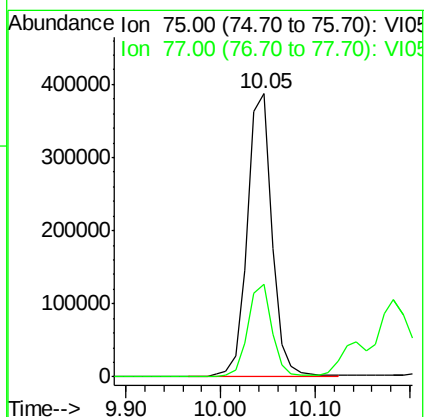
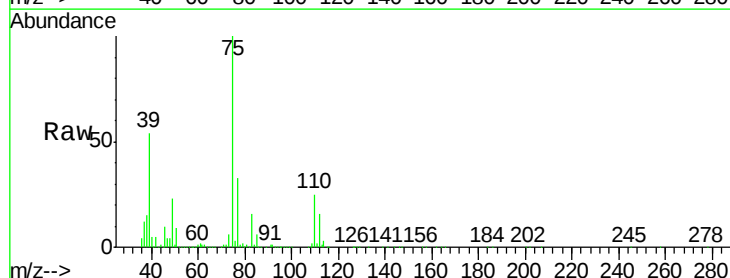
Acq: 24 Aug 2017 17:00

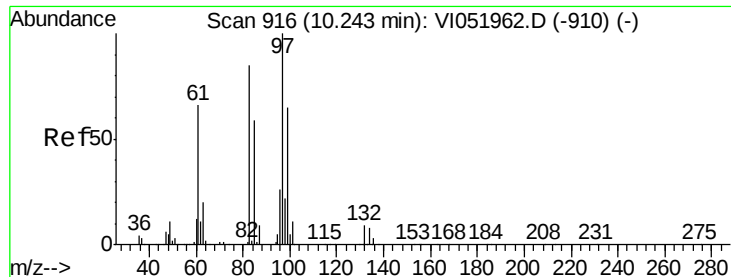
Tgt Ion: 75 Resp: 703327

Ion Ratio Lower Upper

75 100

77 33.0 20.5 38.1

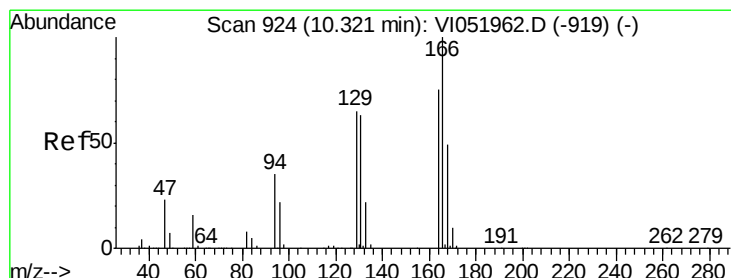
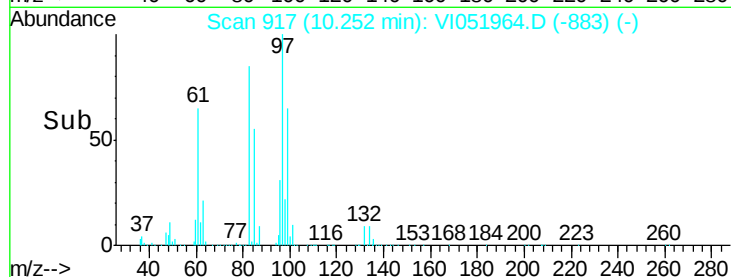
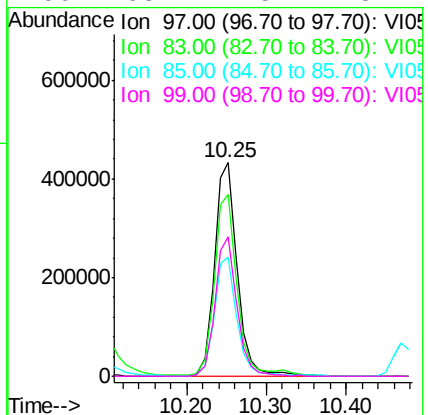
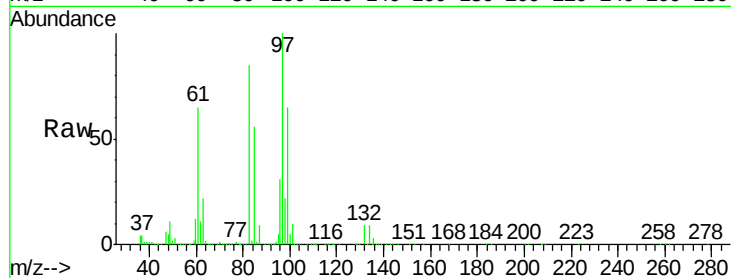




#46
1,1,2-Trichloroethane
Concen: 98.80 ug/L
RT: 10.25 min Scan# 917
Delta R.T. 0.01 min
Lab File: VI051964.D
Acq: 24 Aug 2017 17:00

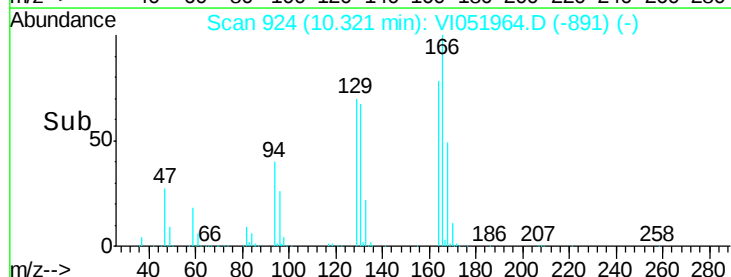
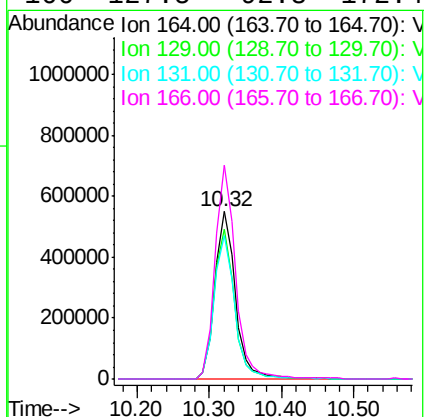
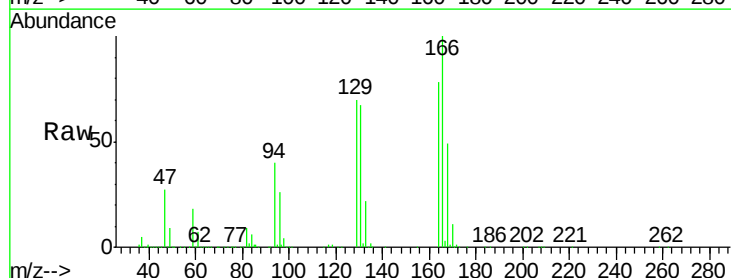
Instrument :
BNA_F
ClientSampleId :

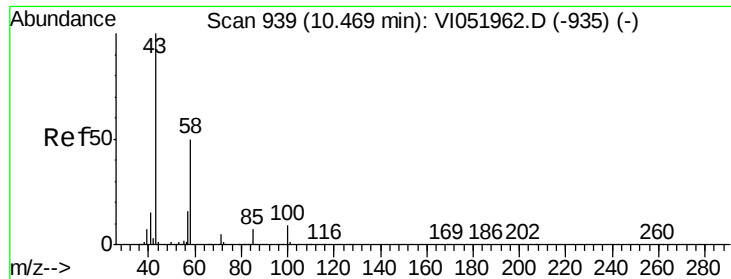
Tot Ion:	97	Resp:	864567
Ion	Ratio	Lower	Upper
97	100		
83	85.3	60.0	111.4
85	55.5	41.4	77.0
99	65.4	45.4	84.2



#47
Tetrachloroethene
Concen: 109.21 ug/L
RT: 10.32 min Scan# 924
Delta R.T. -0.00 min
Lab File: VI051964.D
Acq: 24 Aug 2017 17:00

Tgt Ion:	164	Resp:	1078108
Ion	Ratio	Lower	Upper
164	100		
129	89.8	60.5	112.3
131	85.6	58.4	108.4
166	127.5	92.8	172.4

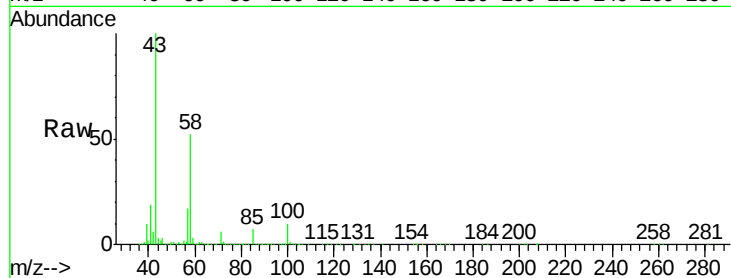




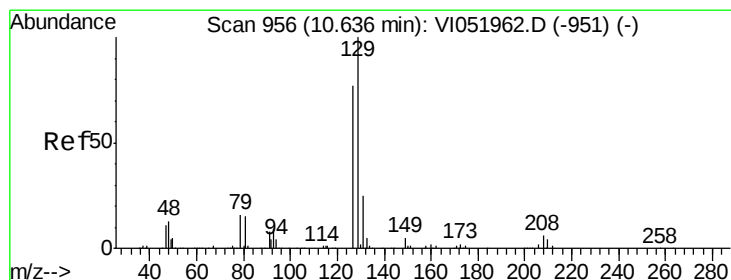
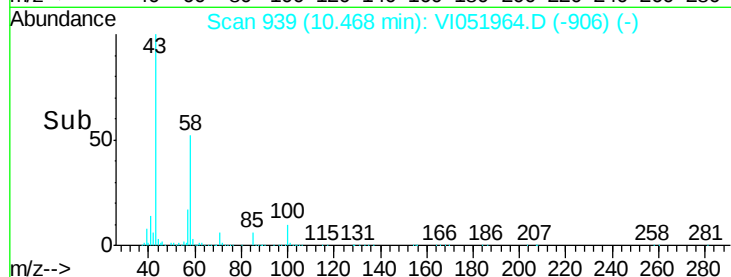
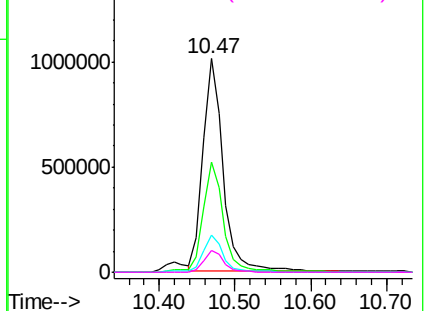
#49
2-Hexanone
Concen: 241.71 ug/L
RT: 10.47 min Scan# 939
Delta R.T. -0.00 min
Lab File: VI051964.D
Acq: 24 Aug 2017 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 43 Resp: 1873220
Ion Ratio Lower Upper
43 100
58 51.3 39.2 58.8
57 17.2 12.5 18.7
100 10.2 7.5 11.3

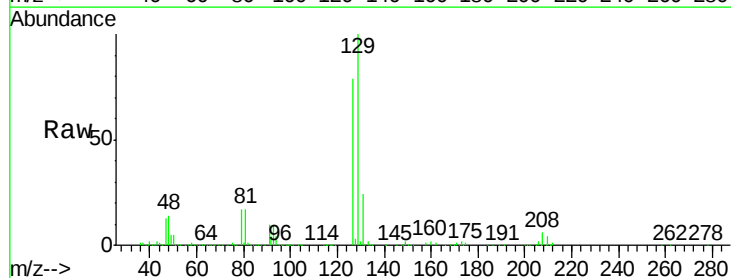


Abundance Ion 43.00 (42.70 to 43.70): VI051962.D (-935) (-)
Ion 58.00 (57.70 to 58.70): VI051962.D (-935) (-)
Ion 57.00 (56.70 to 57.70): VI051962.D (-935) (-)
Ion 100.00 (99.70 to 100.70): VI051962.D (-935) (-)

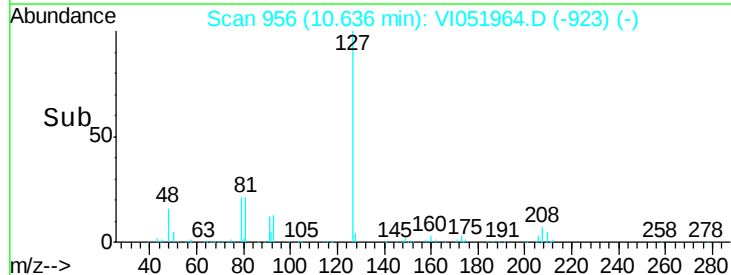
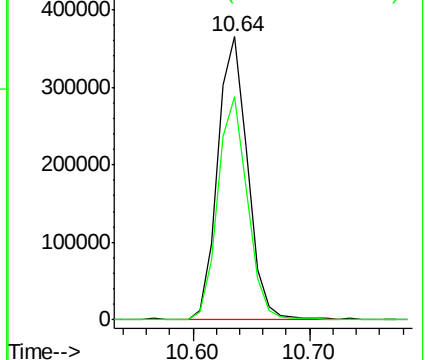


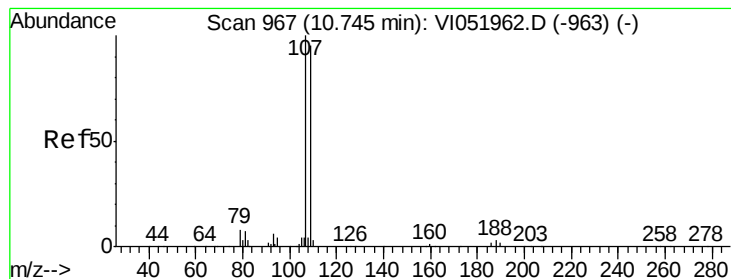
#50
Dibromochloromethane
Concen: 85.78 ug/L
RT: 10.64 min Scan# 956
Delta R.T. -0.00 min
Lab File: VI051964.D
Acq: 24 Aug 2017 17:00

Tgt Ion: 129 Resp: 641484
Ion Ratio Lower Upper
129 100
127 78.7 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): VI051962.D (-951) (-)
Ion 127.00 (126.70 to 127.70): VI051962.D (-951) (-)





#51

1,2-Dibromoethane

Concen: 62.80 ug/L

RT: 10.74 min Scan# 967

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

ClientSampleId :

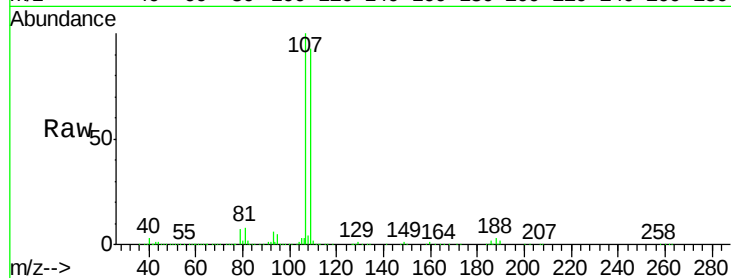
Tot Ion:107 Resp: 429213

Ion Ratio Lower Upper

107 100

109 93.3 66.4 123.2

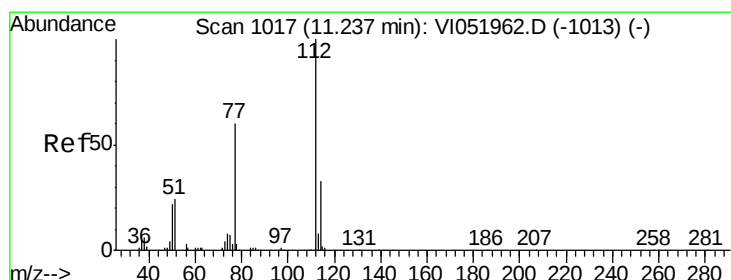
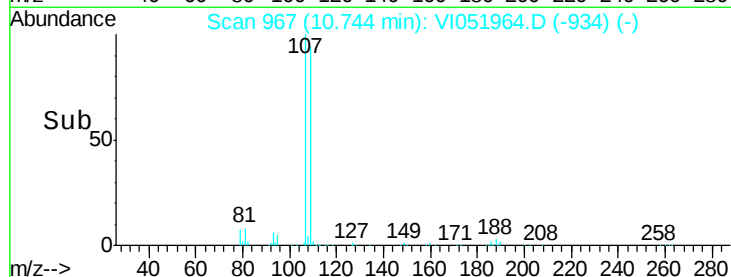
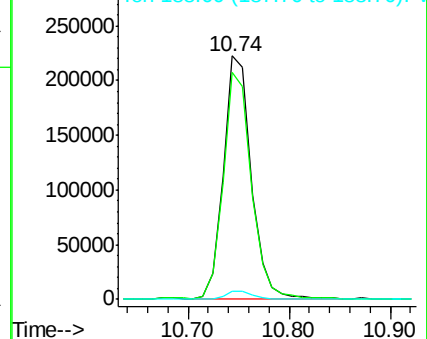
188 3.1 2.6 3.8



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: 106.87 ug/L

RT: 11.25 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

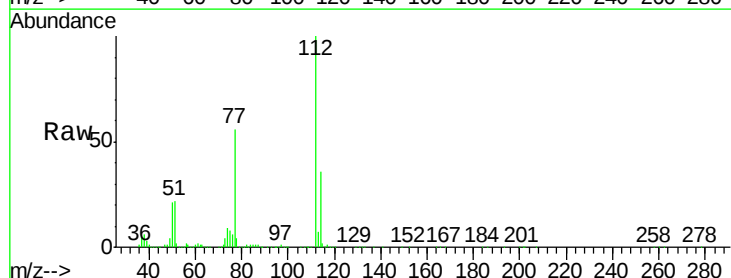
Tgt Ion:112 Resp: 3205362

Ion Ratio Lower Upper

112 100

77 55.8 48.4 72.6

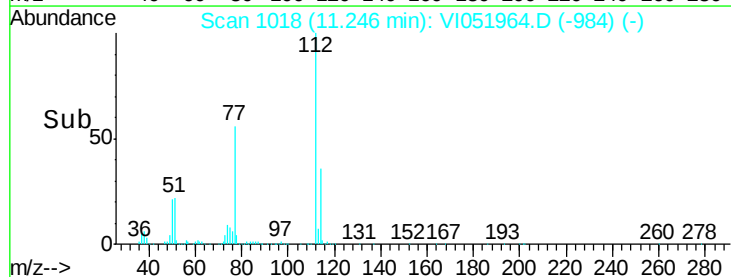
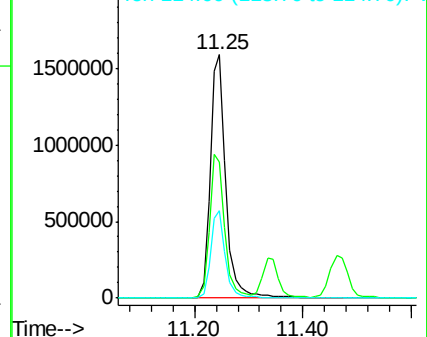
114 35.7 23.3 43.3

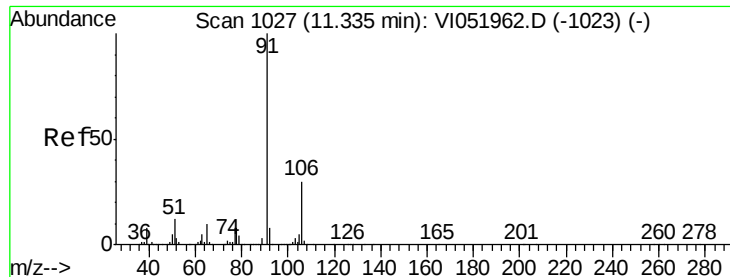


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VI05

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 108.46 ug/L

RT: 11.33 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

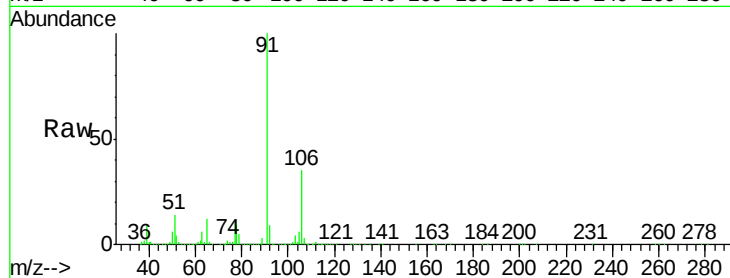
ClientSampleId :

Tot Ion: 91 Resp: 5003793

Ion Ratio Lower Upper

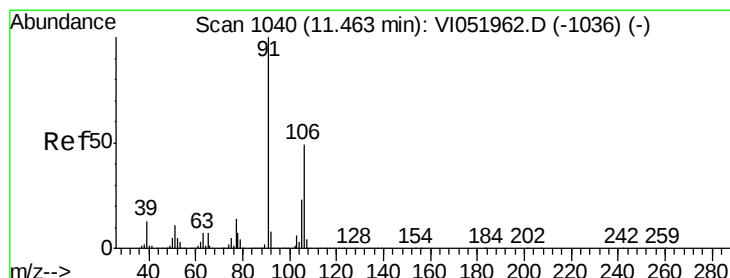
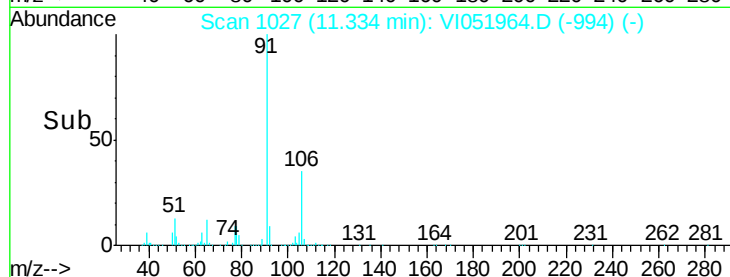
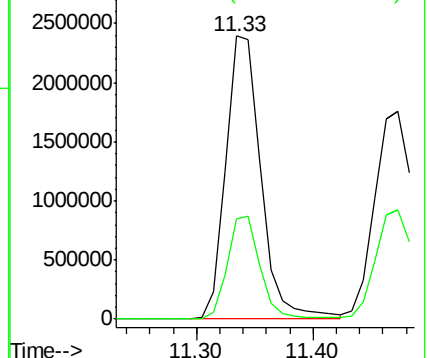
91 100

106 35.2 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VI051964.D (-1023) (-)

Ion 106.00 (105.70 to 106.70): VI051964.D (-1023) (-)



#54

m,p-Xylene

Concen: 104.89 ug/L

RT: 11.47 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VI051964.D

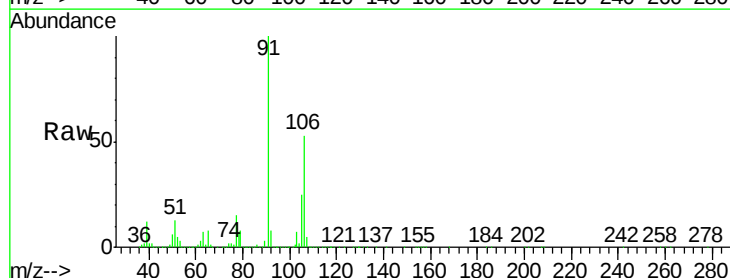
Acq: 24 Aug 2017 17:00

Tgt Ion: 106 Resp: 2013905

Ion Ratio Lower Upper

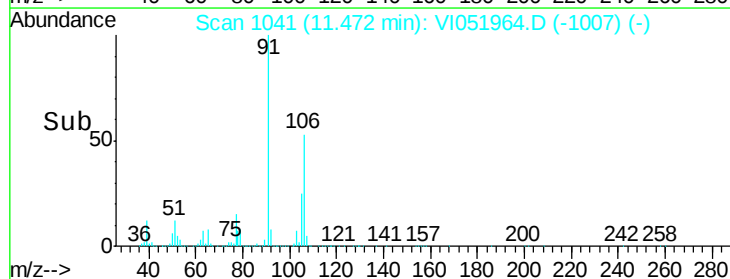
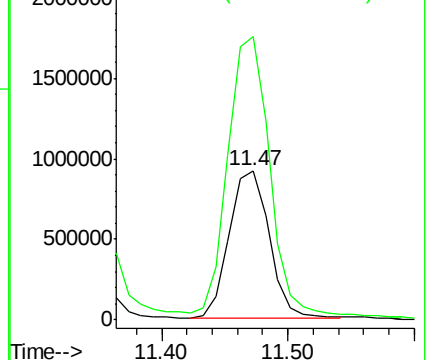
106 100

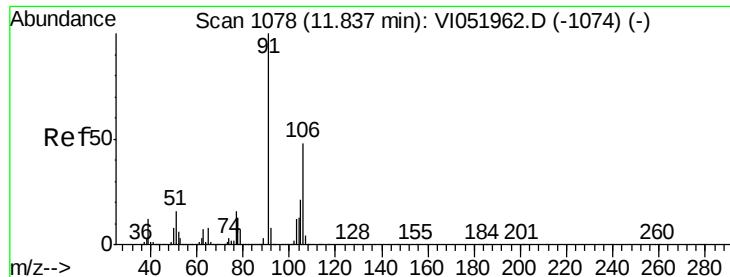
91 189.4 145.1 269.5



Abundance Ion 106.00 (105.70 to 106.70): VI051964.D (-1036) (-)

Ion 91.00 (90.70 to 91.70): VI051964.D (-1036) (-)





#55

o-xylene

Concen: 108.72 ug/L

RT: 11.84 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

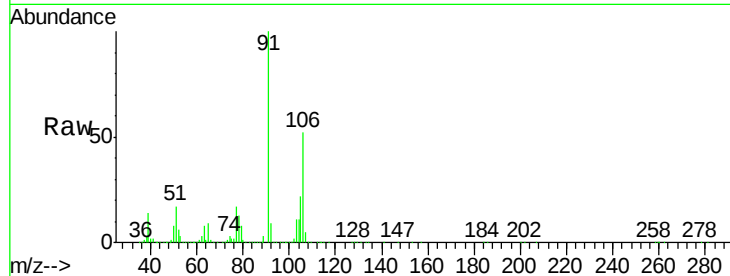
ClientSampled :

Tot Ion:106 Resp: 2014489

Ion Ratio Lower Upper

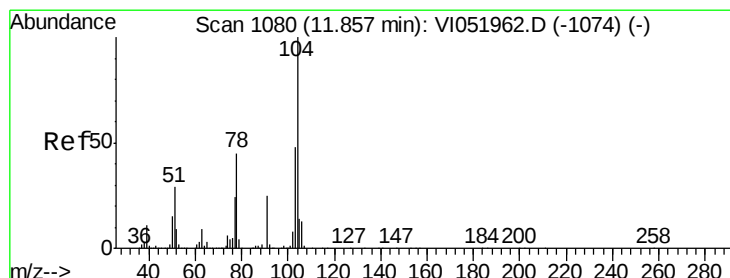
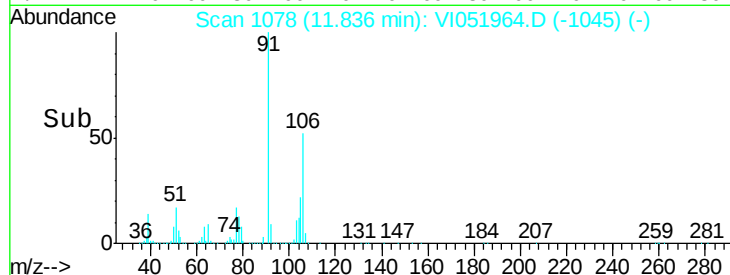
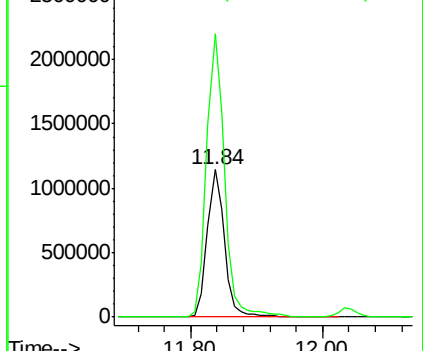
106 100

91 192.3 145.5 270.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VI05



#56

Styrene

Concen: 107.76 ug/L

RT: 11.86 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VI051964.D

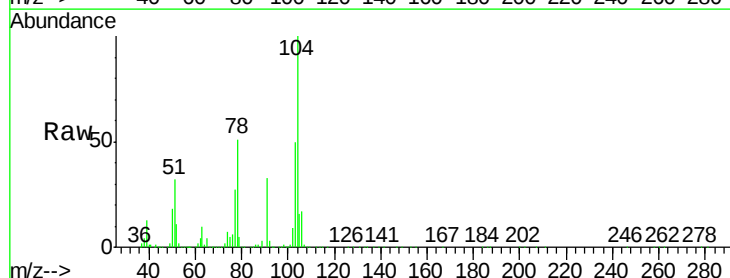
Acq: 24 Aug 2017 17:00

Tgt Ion:104 Resp: 3322591

Ion Ratio Lower Upper

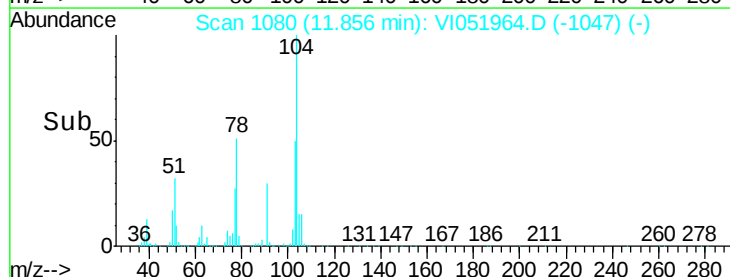
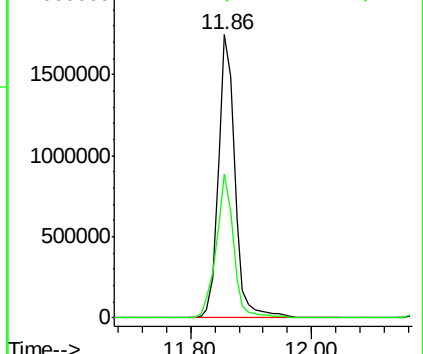
104 100

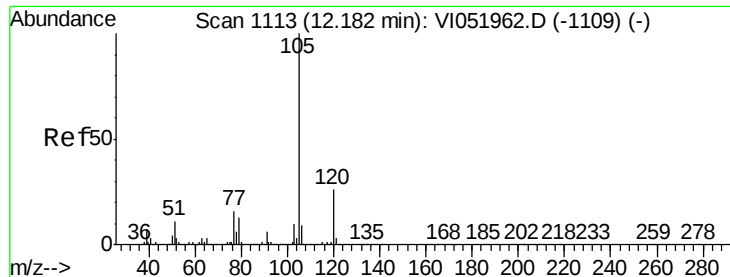
78 51.0 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VI05





#57

Isopropylbenzene

Concen: 98.81 ug/L

RT: 12.18 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

ClientSampleId :

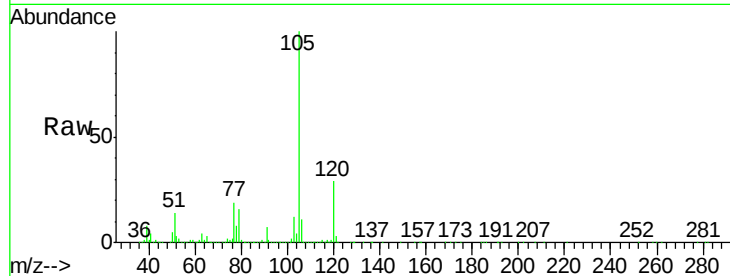
Tot Ion:105 Resp: 4680694

Ion Ratio Lower Upper

105 100

120 27.9 20.8 31.2

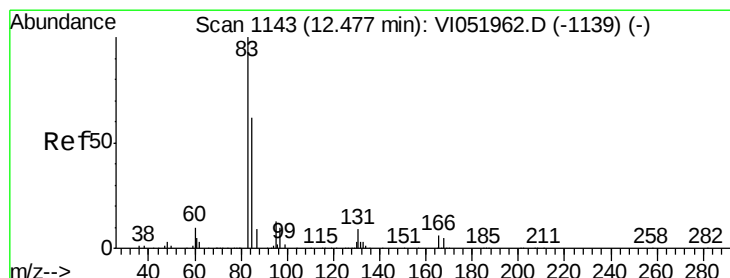
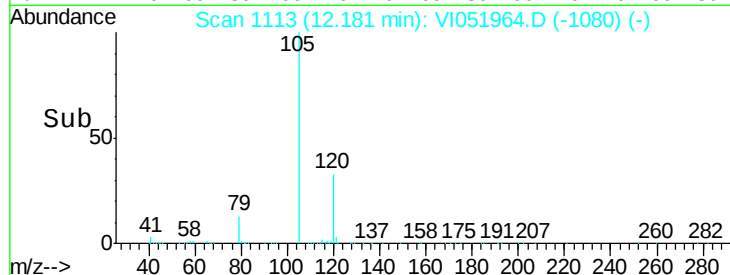
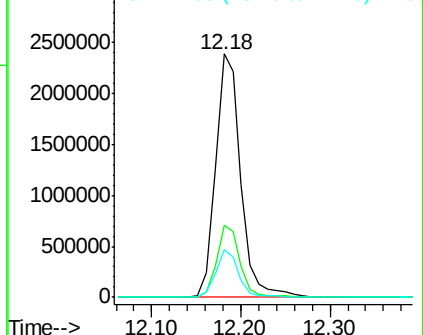
77 17.7 12.7 19.1



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: 112.19 ug/L

RT: 12.48 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

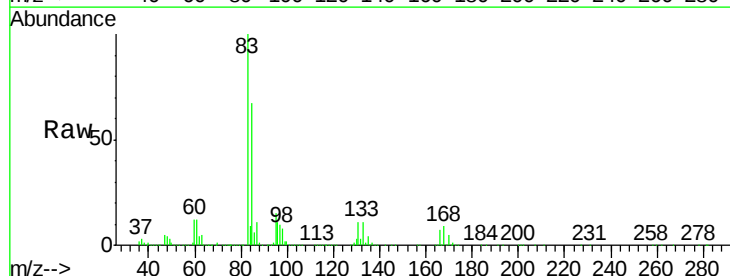
Tgt Ion: 83 Resp: 1484448

Ion Ratio Lower Upper

83 100

85 67.4 43.4 80.6

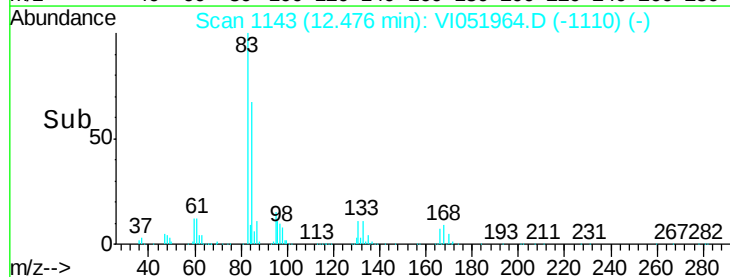
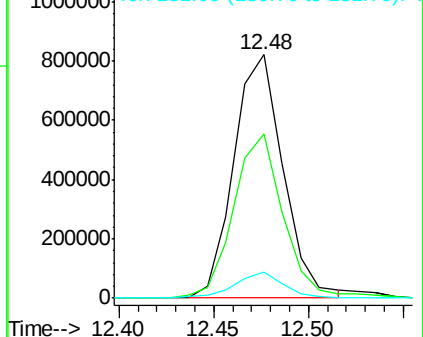
131 10.8 7.4 11.2

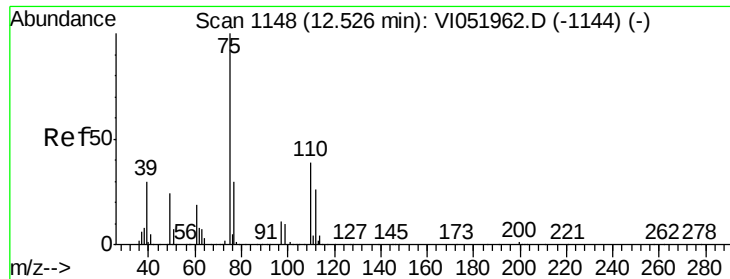


Abundance Ion 83.00 (82.70 to 83.70): VI05

Ion 85.00 (84.70 to 85.70): VI05

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 104.18 ug/L

RT: 12.53 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

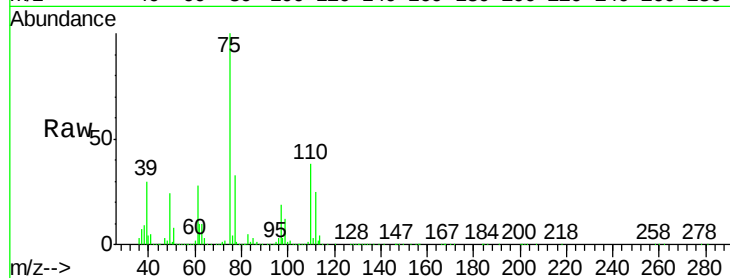
ClientSampled :

Tot Ion: 75 Resp: 855384

Ion Ratio Lower Upper

75 100

77 33.2 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VI051962.D (-1144) (-)

Ion 77.00 (76.70 to 77.70): VI051962.D (-1144) (-)

12.53

500000

400000

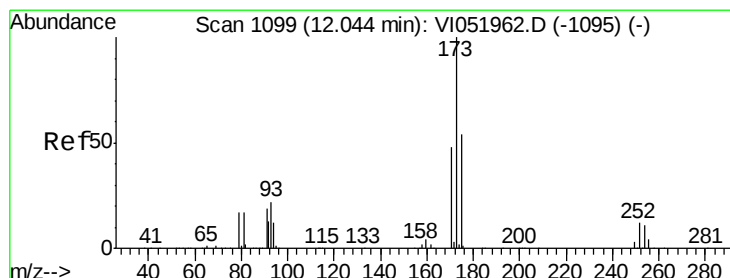
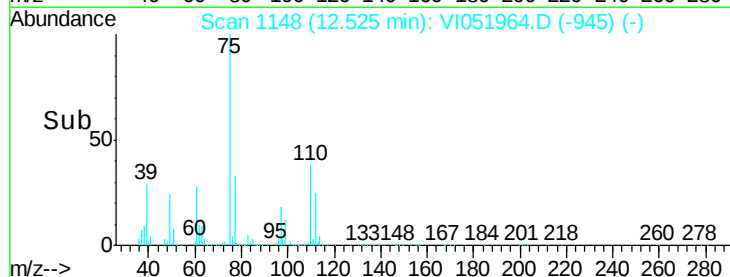
300000

200000

100000

0

Time-->



#62

Bromoform

Concen: 91.32 ug/L

RT: 12.04 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

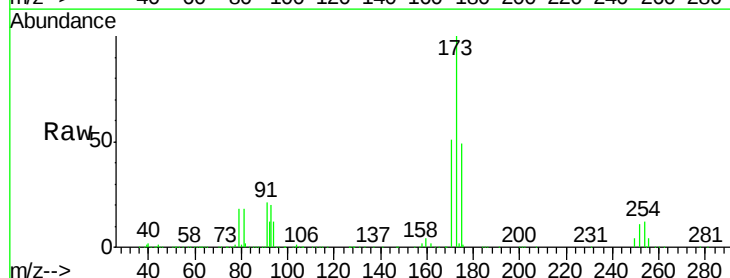
Tgt Ion: 173 Resp: 554130

Ion Ratio Lower Upper

173 100

175 49.3 40.6 61.0

254 0.1 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): VI051962.D (-1095) (-)

Ion 175.00 (174.70 to 175.70): VI051962.D (-1095) (-)

Ion 254.00 (253.70 to 254.70): VI051962.D (-1095) (-)

12.04

400000

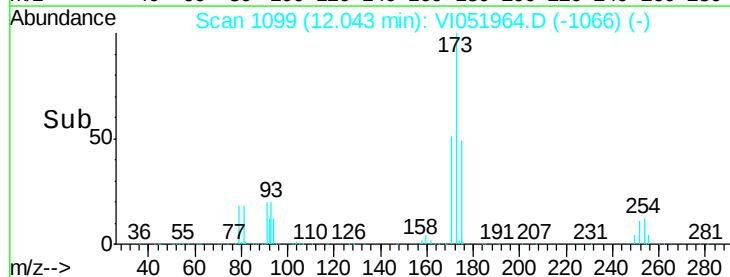
300000

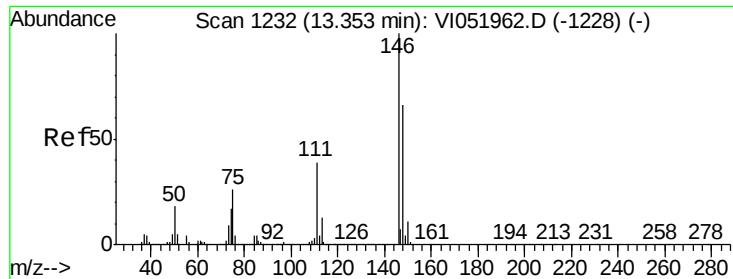
200000

100000

0

Time-->

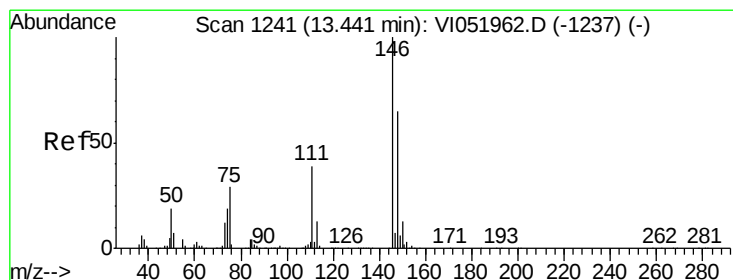
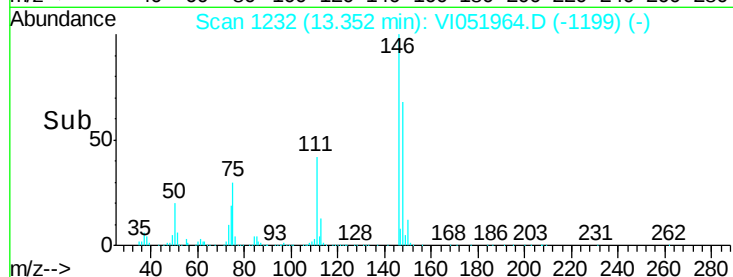
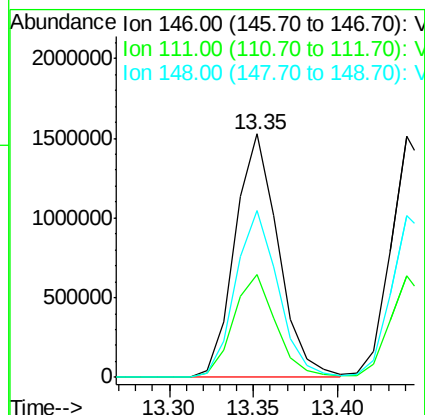
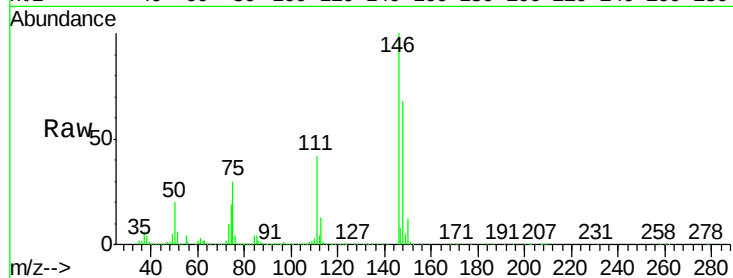




#63
 1,3-Dichlorobenzene
 Concen: 107.67 ug/L
 RT: 13.35 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VI051964.D
 Acq: 24 Aug 2017 17:00

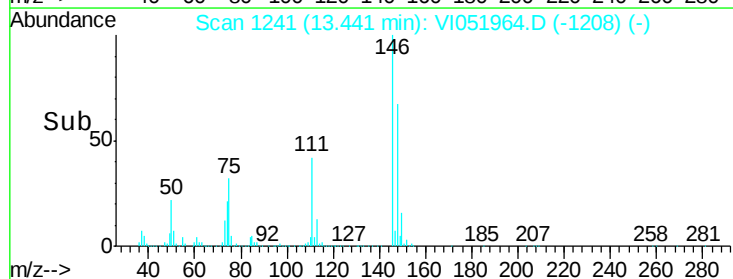
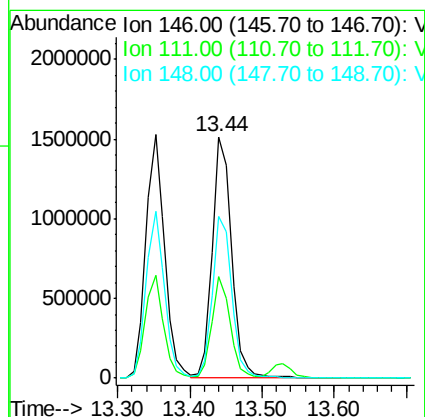
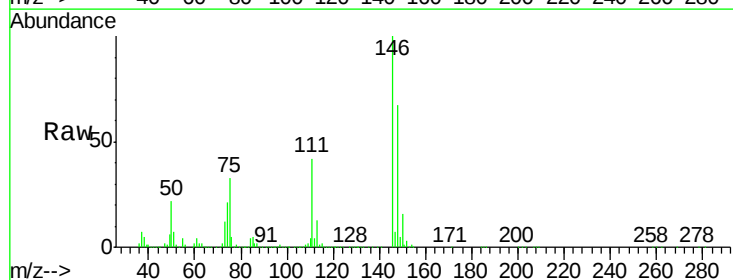
Instrument :
 BNA_F
 ClientSampleId :

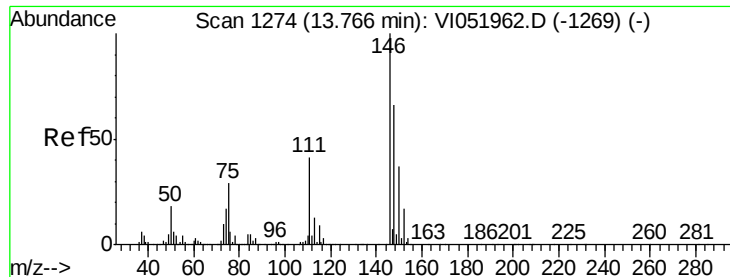
Tot Ion:146 Resp: 2722626
 Ion Ratio Lower Upper
 146 100
 111 42.2 27.4 50.8
 148 68.5 46.3 85.9



#64
 1,4-Dichlorobenzene
 Concen: 108.44 ug/L
 RT: 13.44 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VI051964.D
 Acq: 24 Aug 2017 17:00

Tgt Ion:146 Resp: 2784006
 Ion Ratio Lower Upper
 146 100
 111 42.1 27.8 51.6
 148 67.2 45.9 85.3





#65

1,2-Dichlorobenzene

Concen: 107.57 ug/L

RT: 13.77 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

ClientSampleId :

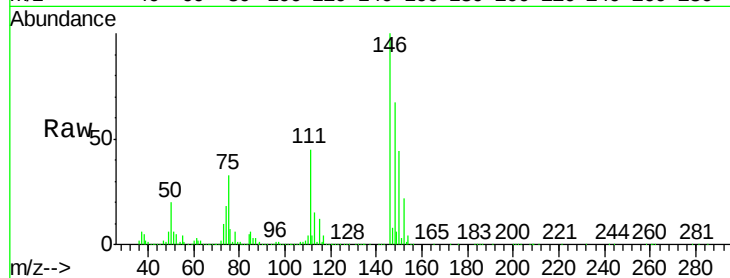
Tot Ion:146 Resp: 2583502

Ion Ratio Lower Upper

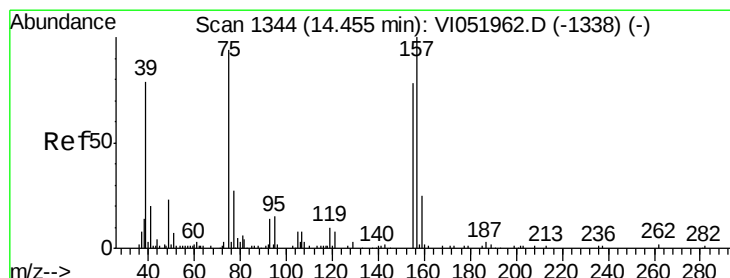
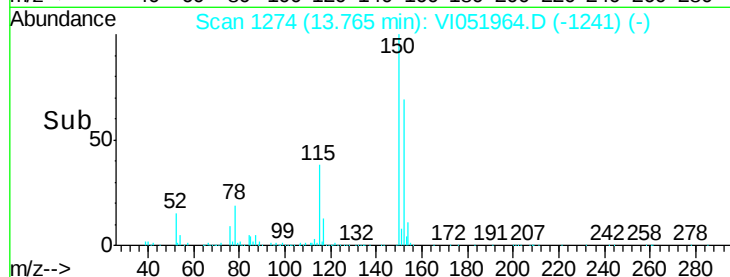
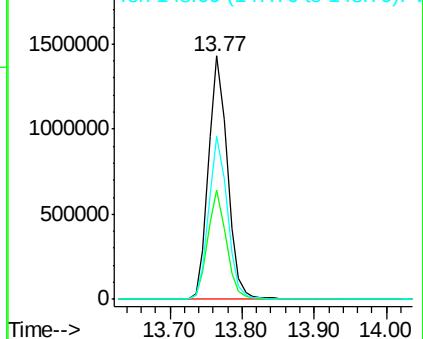
146 100

111 44.9 32.8 49.2

148 66.8 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: 105.66 ug/L

RT: 14.45 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

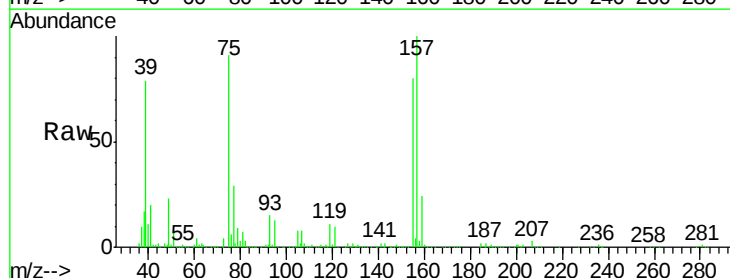
Tgt Ion: 75 Resp: 238804

Ion Ratio Lower Upper

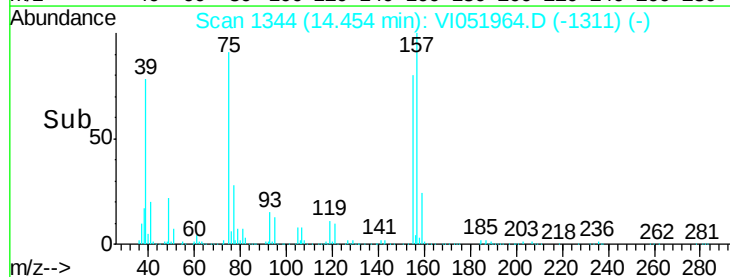
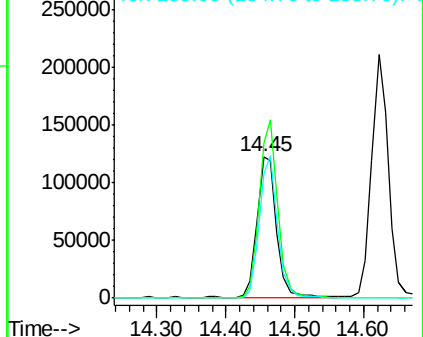
75 100

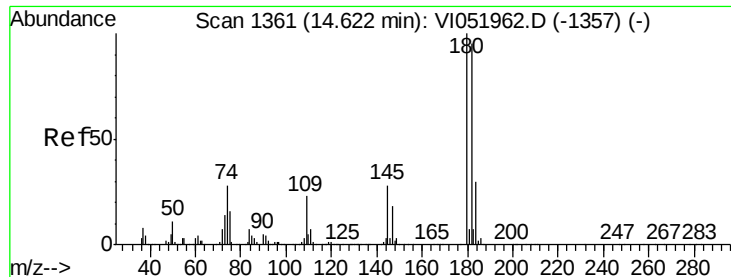
157 109.5 83.9 125.9

155 87.4 64.6 97.0



Abundance Ion 75.00 (74.70 to 75.70): VI05
Ion 157.00 (156.70 to 157.70): V
Ion 155.00 (154.70 to 155.70): V

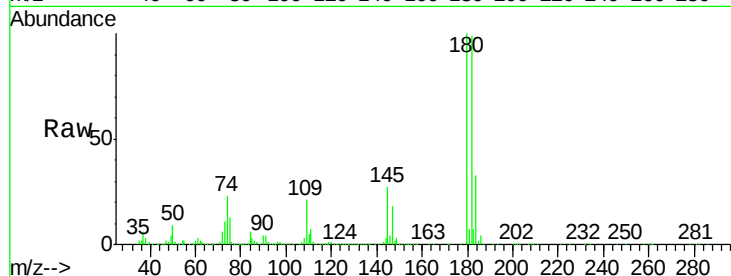




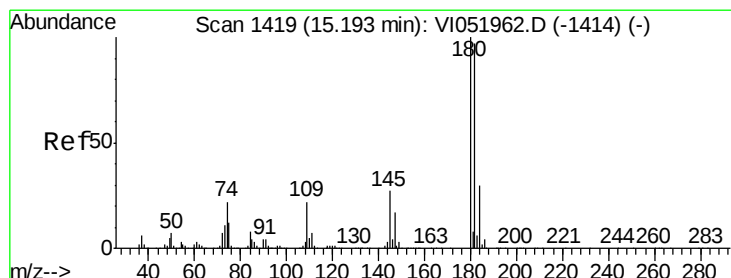
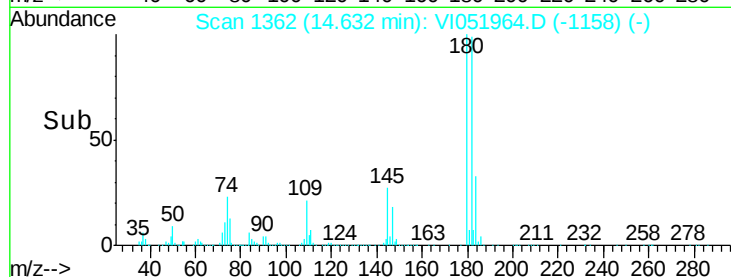
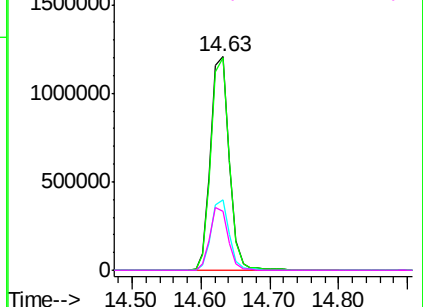
#67
 1,3,5-Trichlorobenzene
 Concen: 108.00 ug/L
 RT: 14.63 min Scan# 1362
 Delta R.T. 0.01 min
 Lab File: VI051964.D
 Acq: 24 Aug 2017 17:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:180 Resp: 2279171
 Ion Ratio Lower Upper
 180 100
 182 97.7 77.7 116.5
 184 31.9 24.5 36.7
 145 28.5 21.7 32.5

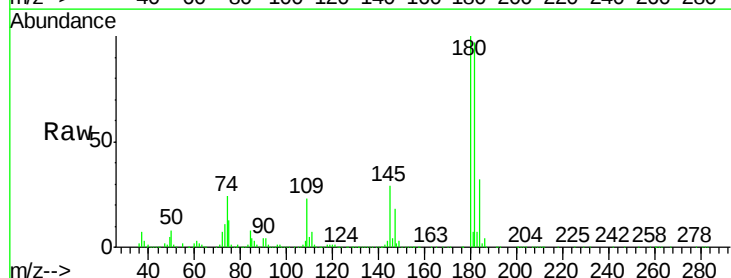


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

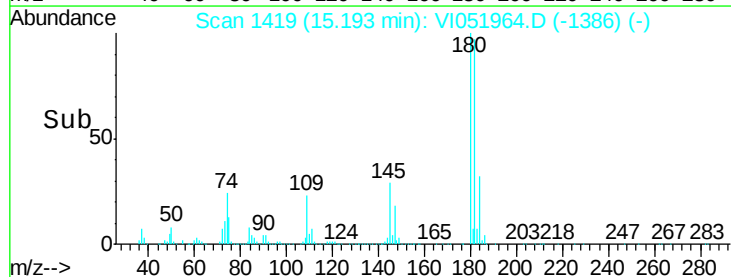
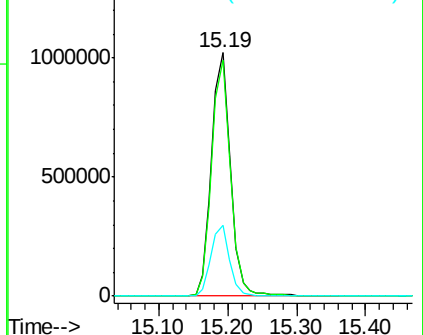


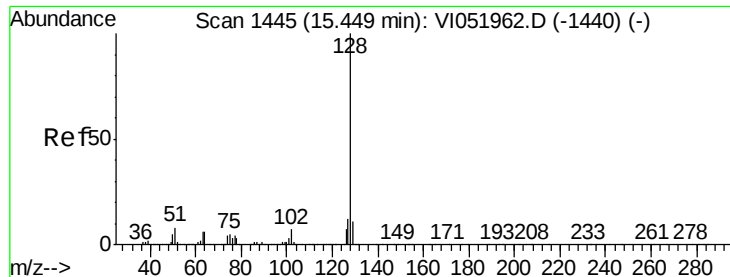
#68
 1,2,4-trichlorobenzene
 Concen: 113.50 ug/L
 RT: 15.19 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: VI051964.D
 Acq: 24 Aug 2017 17:00

Tgt Ion:180 Resp: 1962162
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.0 115.4
 145 28.5 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: 126.58 ug/L

RT: 15.45 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

Instrument :

BNA_F

ClientSampleId :

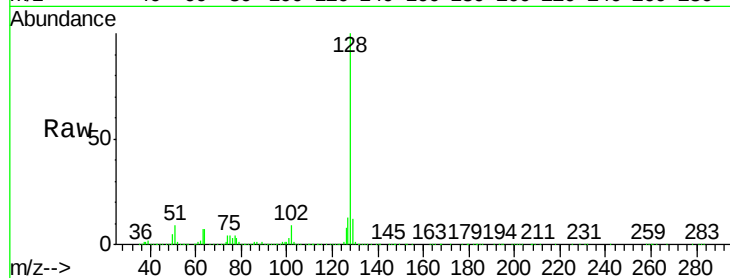
Tot Ion:128 Resp: 3659618

Ion Ratio Lower Upper

128 100

129 11.6 8.9 13.3

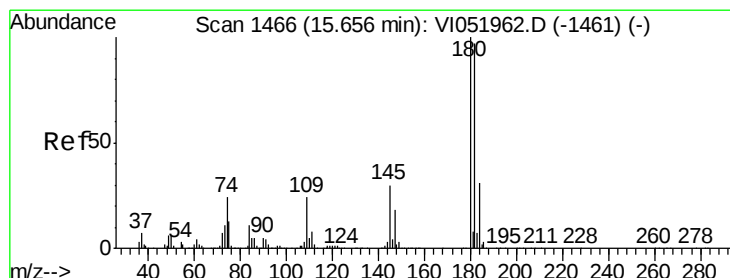
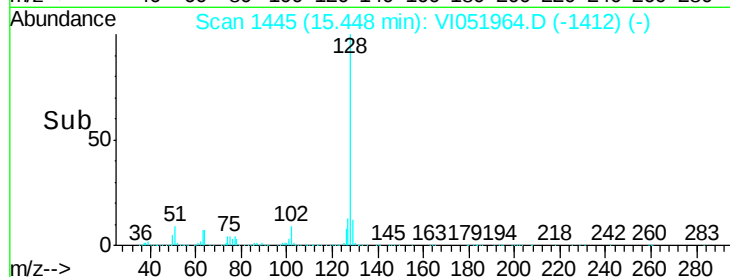
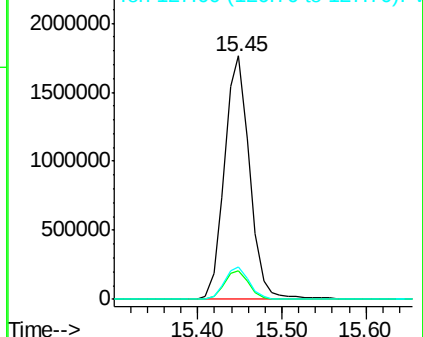
127 12.9 9.8 14.8



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: 120.31 ug/L

RT: 15.66 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VI051964.D

Acq: 24 Aug 2017 17:00

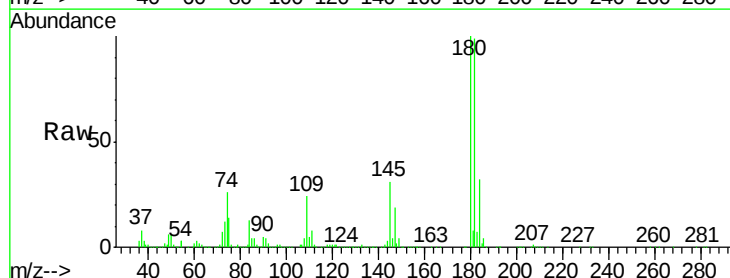
Tgt Ion:180 Resp: 1789111

Ion Ratio Lower Upper

180 100

182 97.9 78.2 117.4

145 30.2 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

