

Data Path : W:\HPCHEM1\MSVOA I\DATA\VI082417\
 Data File : VI051963.D
 Acq On : 24 Aug 2017 16:34
 Operator : FY/SY
 Sample : VSTD050
 Misc : 5.00g/10mL/MSVOA I/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 25 08:16:39 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	708716	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.21	117	768859	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	388968	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.70	65	451810	49.88	ug/L	0.00
7) Chloroethane-d5	2.09	69	279811	48.01	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.93	63	928383	48.91	ug/L	0.00
20) 2-Butanone-d5	5.65	46	360558	115.50	ug/L	-0.01
24) Chloroform-d	6.37	84	920127	51.10	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.22	65	442937	45.88	ug/L	0.00
29) Benzene-d6	7.16	84	1626455	51.92	ug/L	0.00
33) 1,2-Dichloropropane-d6	8.43	67	491039	47.18	ug/L	0.00
37) Toluene-d8	9.69	98	1760712	49.65	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.01	79	140180	37.30	ug/L	0.00
39) 2-Hexanone-d5	10.42	63	413119	112.10	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.45	84	758689	52.68	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.75	152	798645	49.42	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.43	85	711797	56.24	ug/L	99
3) Chloromethane	1.59	50	289484	20.50	ug/L	95
5) Vinyl chloride	1.70	62	537649	53.49	ug/L	98
6) Bromomethane	2.01	94	325878	48.18	ug/L	92
8) Chloroethane	2.11	64	225087	46.75	ug/L	95
9) Trichlorofluoromethane	2.37	101	820986	51.49	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.96	101	460425	53.75	ug/L	95
12) 1,1-Dichloroethene	2.94	96	400326	50.26	ug/L	99
13) Acetone	2.98	43	319474	100.80	ug/L	99
14) Carbon disulfide	3.19	76	1442212	50.82	ug/L	100
15) Methyl Acetate	3.38	43	318823	50.12	ug/L	97
16) Methylene chloride	3.58	84	527192	48.63	ug/L	96
17) Methyl tert-butyl Ether	3.97	73	1090347	52.89	ug/L	98
18) trans-1,2-Dichloroethene	3.98	96	440439	53.11	ug/L	90
19) 1,1-Dichloroethane	4.70	63	830488	50.53	ug/L	98
21) 2-Butanone	5.75	43	408276	100.55	ug/L	99
22) cis-1,2-Dichloroethene	5.76	96	516564	51.47	ug/L	92
23) Bromochloromethane	6.18	128	208284	44.98	ug/L	96
25) Chloroform	6.40	83	944132	51.35	ug/L	100
27) 1,2-Dichloroethane	7.34	62	709463	51.66	ug/L	99
30) Cyclohexane	6.76	56	704167	51.50	ug/L	98
31) 1,1,1-Trichloroethane	6.64	97	635648	50.98	ug/L	100
32) Carbon tetrachloride	6.90	117	153973	34.64	ug/L	96
34) Benzene	7.23	78	1672415	51.32	ug/L	100
35) Trichloroethene	8.20	95	580986	49.92	ug/L	99
36) Methylcyclohexane	8.50	83	745348	48.33	ug/L	96
40) 1,2-Dichloropropane	8.54	63	436425	45.13	ug/L	99
41) Bromodichloromethane	8.88	83	437678	46.89	ug/L	96
42) cis-1,3-Dichloropropene	9.40	75	395006	39.67	ug/L	97
43) 4-Methyl-2-pentanone	9.57	43	1245061	103.05	ug/L	100

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

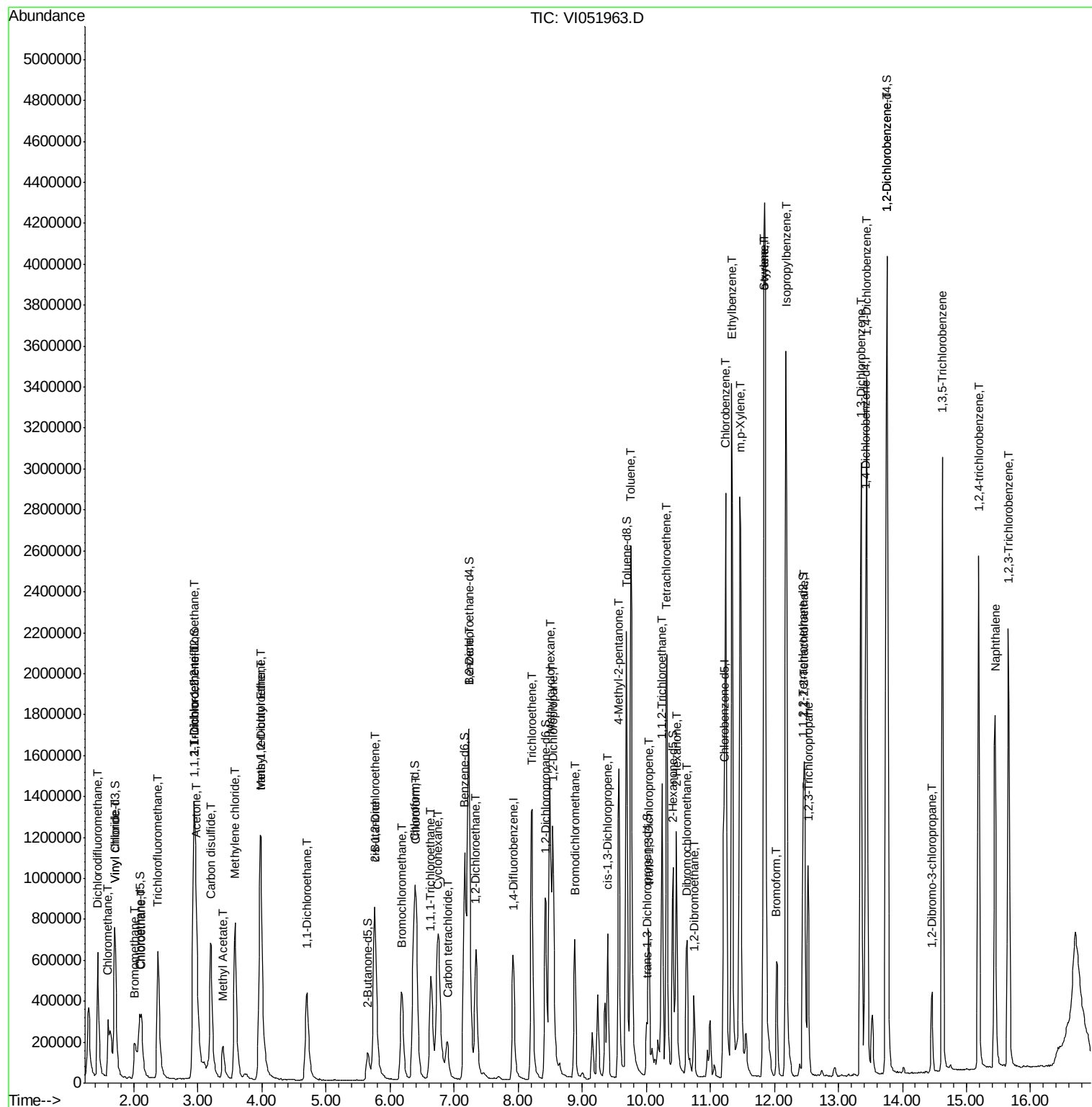
44) Toluene	9.76	91	2180518	49.61	ug/L	98
45) trans-1,3-Dichloropropene	10.04	75	351949	39.06	ug/L	96
46) 1,1,2-Trichloroethane	10.24	97	475465	47.44	ug/L	99
47) Tetrachloroethene	10.32	164	573433	50.72	ug/L	98
49) 2-Hexanone	10.47	43	877568	98.87	ug/L	98
50) Dibromochloromethane	10.64	129	349843	40.85	ug/L	99
51) 1,2-Dibromoethane	10.74	107	282655	36.11	ug/L	99
52) Chlorobenzene	11.24	112	1722611	50.15	ug/L	99
53) Ethylbenzene	11.33	91	2677004	50.66	ug/L	97
54) m,p-Xylene	11.46	106	1039148	47.26	ug/L	92
55) o-xylene	11.84	106	1058706	49.89	ug/L	98
56) Styrene	11.86	104	1803904	51.08	ug/L	99
57) Isopropylbenzene	12.18	105	2602931	47.98	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.48	83	784295	51.75	ug/L	97
59) 1,2,3-Trichloropropane	12.53	75	426799	45.39	ug/L	97
62) Bromoform	12.04	173	295996	44.25	ug/L #	96
63) 1,3-Dichlorobenzene	13.35	146	1417730	50.85	ug/L	99
64) 1,4-Dichlorobenzene	13.44	146	1416335	50.04	ug/L	99
65) 1,2-Dichlorobenzene	13.77	146	1310217	49.48	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.45	75	111502	44.75	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	1151359	49.49	ug/L	99
68) 1,2,4-trichlorobenzene	15.19	180	1017954	53.40	ug/L	99
69) Naphthalene	15.45	128	1810342	56.79	ug/L	99
70) 1,2,3-Trichlorobenzene	15.65	180	899597	54.87	ug/L	98

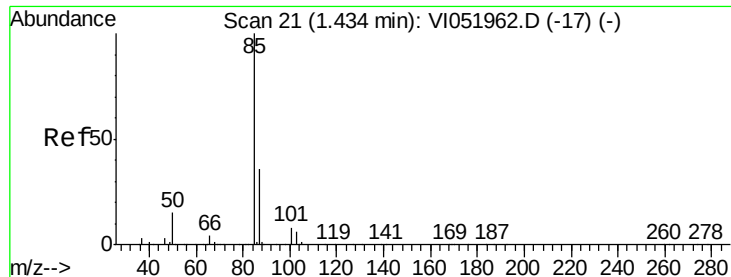
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 56.24 ug/L

RT: 1.43 min Scan# 21

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

Instrument :

BNA_F

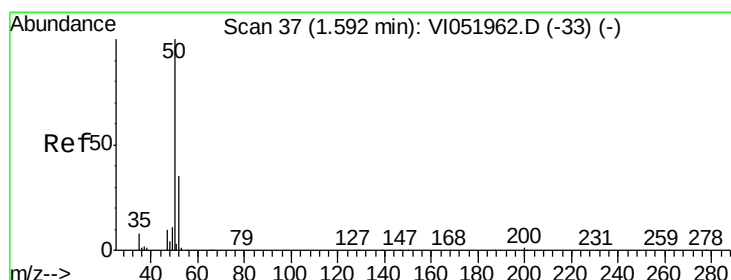
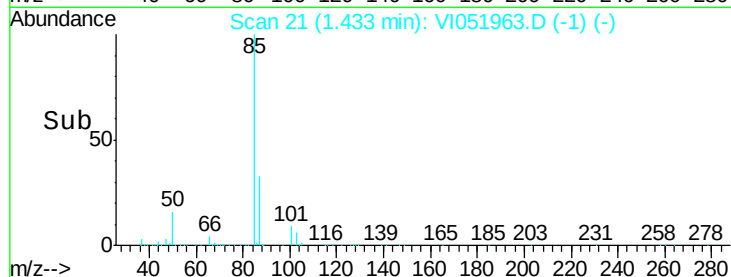
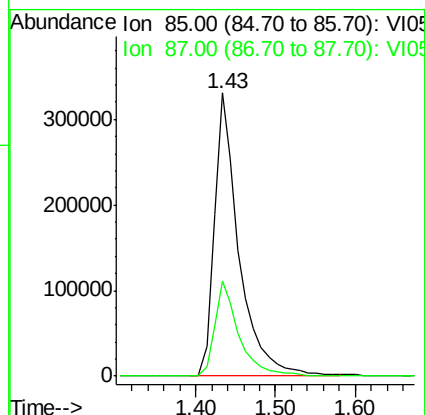
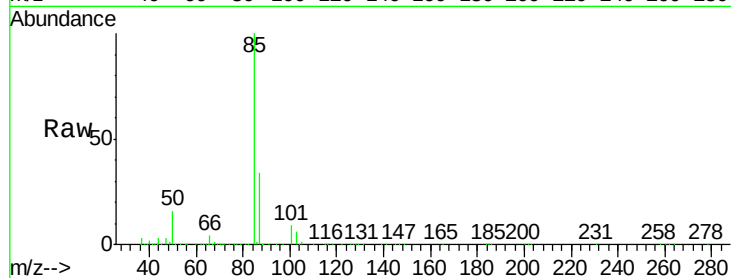
ClientSampleId :

Tot Ion: 85 Resp: 711797

Ion Ratio Lower Upper

85 100

87 33.3 22.8 42.4



#3

Chloromethane

Concen: 20.50 ug/L

RT: 1.59 min Scan# 37

Delta R.T. -0.00 min

Lab File: VI051963.D

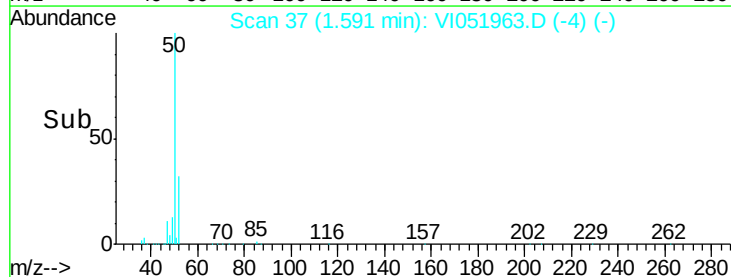
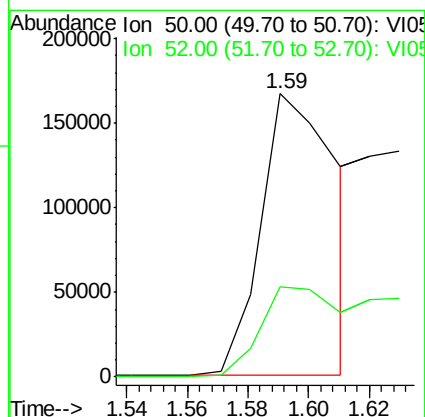
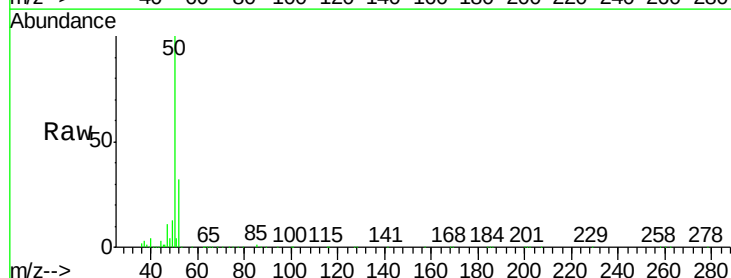
Acq: 24 Aug 2017 16:34

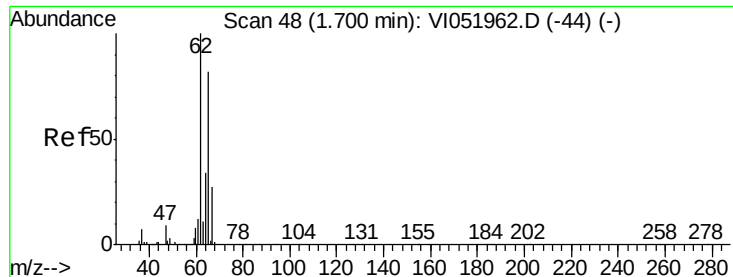
Tgt Ion: 50 Resp: 289484

Ion Ratio Lower Upper

50 100

52 31.8 24.2 45.0





#5

Vinyl chloride

Concen: 53.49 ug/L

RT: 1.70 min Scan# 48

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

Instrument :

BNA_F

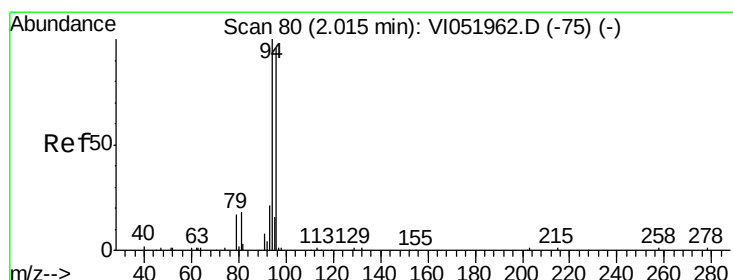
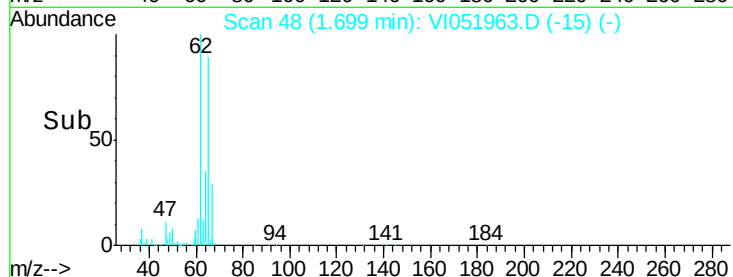
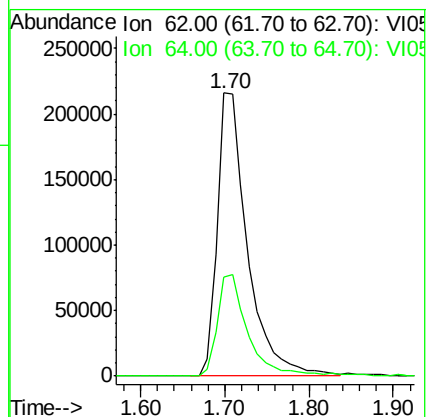
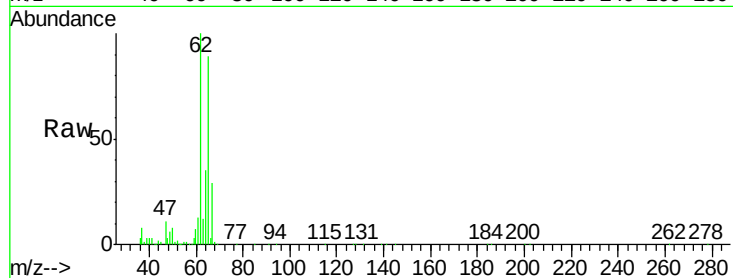
ClientSampled :

Tot Ion: 62 Resp: 537649

Ion Ratio Lower Upper

62 100

64 35.2 23.9 44.5



#6

Bromomethane

Concen: 48.18 ug/L

RT: 2.01 min Scan# 80

Delta R.T. -0.00 min

Lab File: VI051963.D

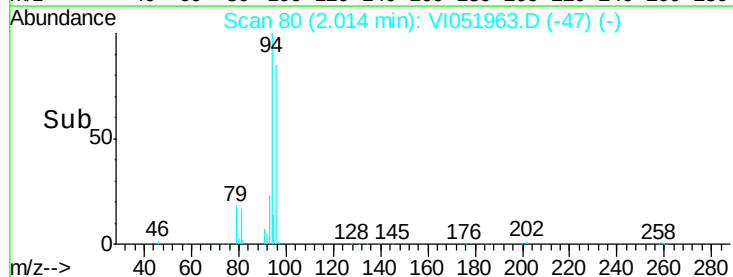
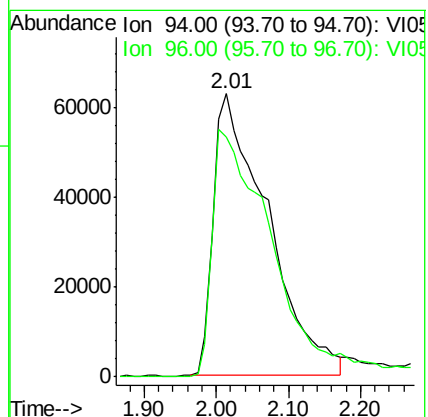
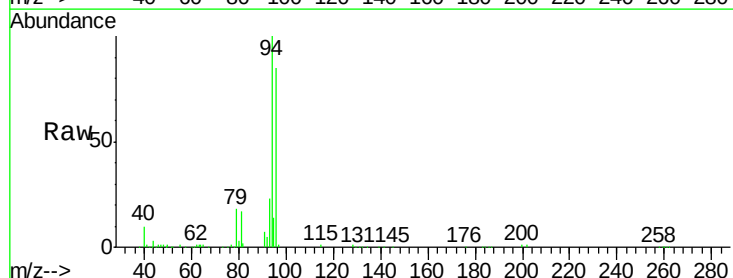
Acq: 24 Aug 2017 16:34

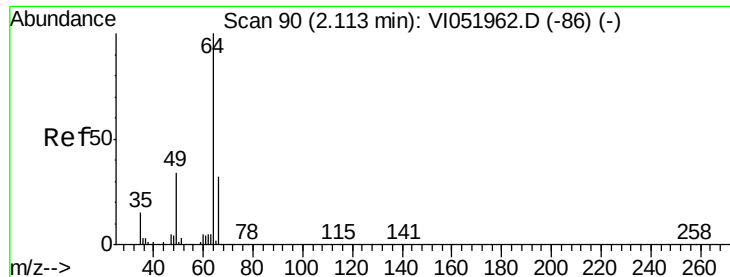
Tgt Ion: 94 Resp: 325878

Ion Ratio Lower Upper

94 100

96 92.3 10.0 190.2

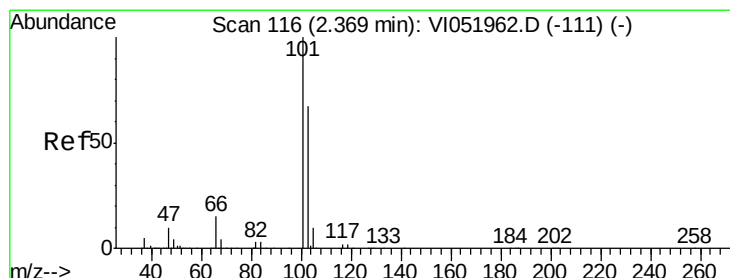
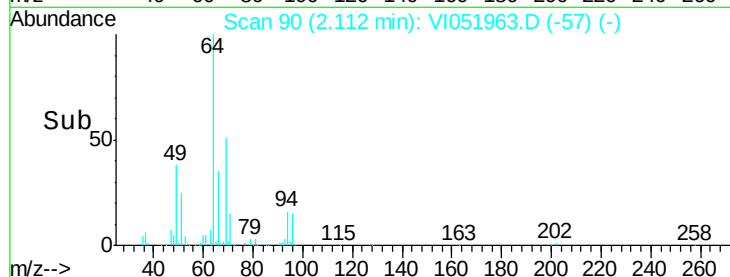
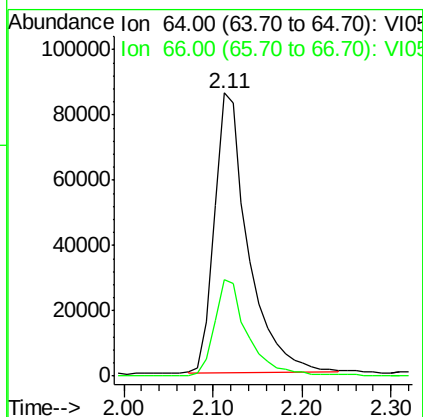
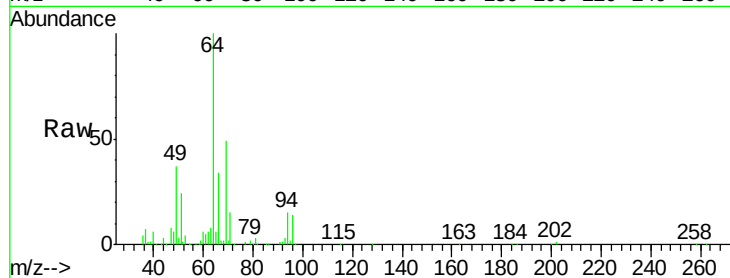




#8
Chloroethane
Concen: 46.75 ug/L
RT: 2.11 min Scan# 90
Delta R.T. -0.00 min
Lab File: VI051963.D
Acq: 24 Aug 2017 16:34

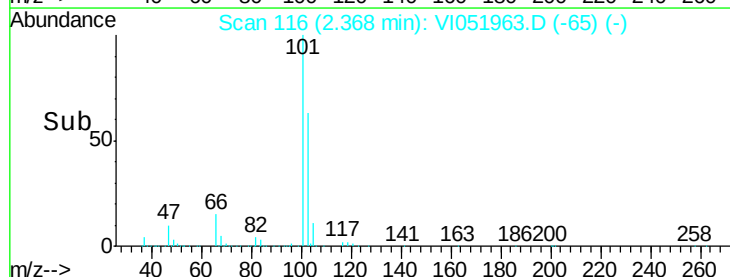
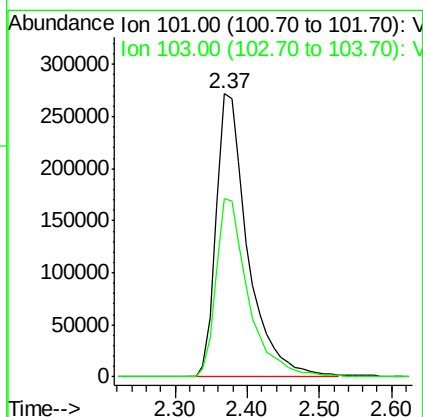
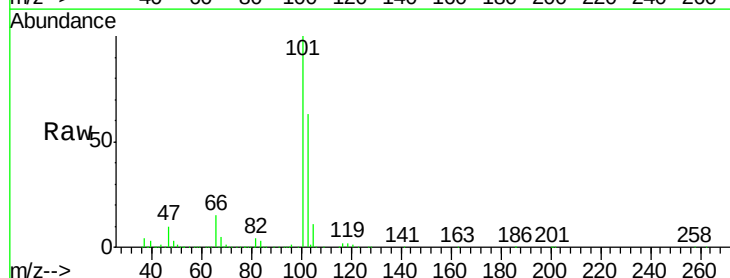
Instrument :
BNA_F
ClientSampleId :

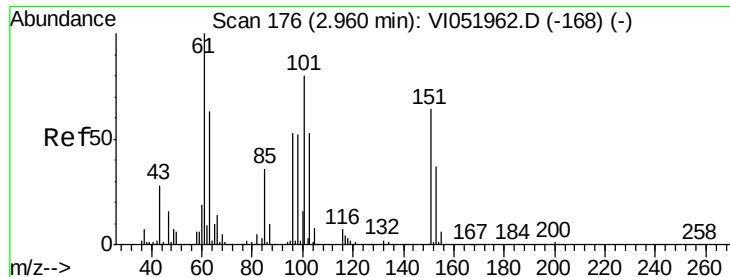
Tot Ion: 64 Resp: 225087
Ion Ratio Lower Upper
64 100
66 34.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 51.49 ug/L
RT: 2.37 min Scan# 116
Delta R.T. -0.00 min
Lab File: VI051963.D
Acq: 24 Aug 2017 16:34

Tgt Ion:101 Resp: 820986
Ion Ratio Lower Upper
101 100
103 64.1 46.2 85.8





#11

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

Concen: 53.75 ug/L

RT: 2.96 min Scan# 176

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

Instrument :

BNA_F

ClientSampled :

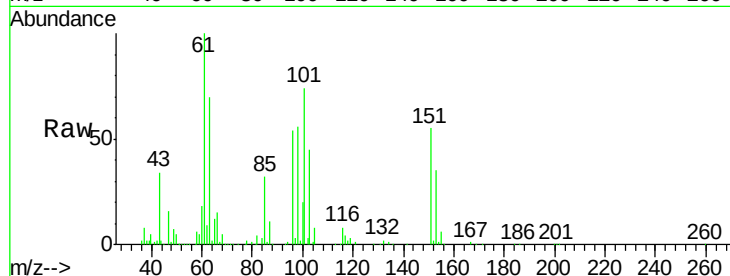
Tot Ion:101 Resp: 460425

Ion Ratio Lower Upper

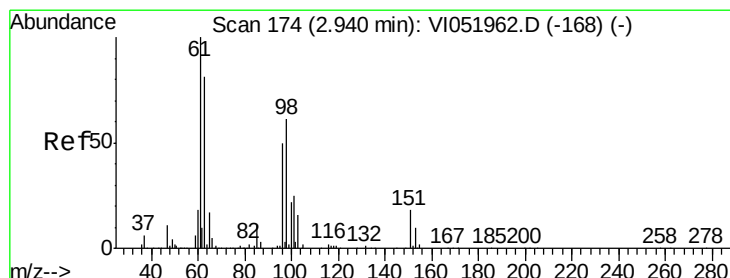
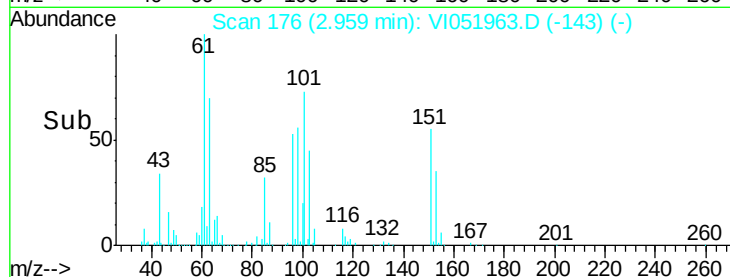
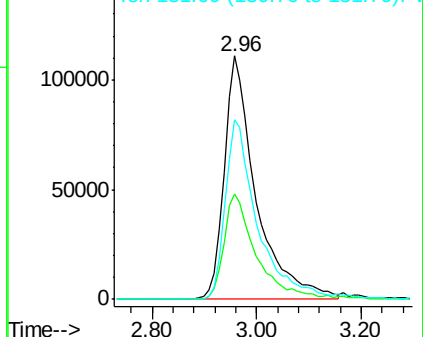
101 100

85 43.5 35.2 52.8

151 74.1 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VIO
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.26 ug/L

RT: 2.94 min Scan# 174

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

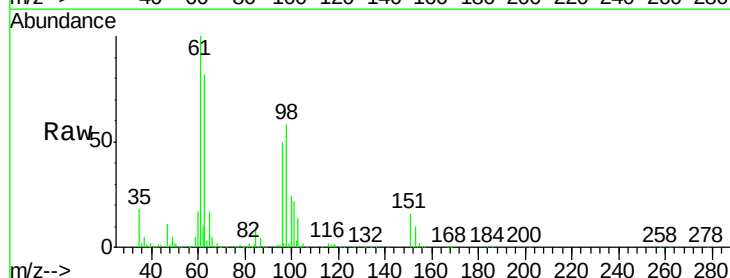
Tgt Ion: 96 Resp: 400326

Ion Ratio Lower Upper

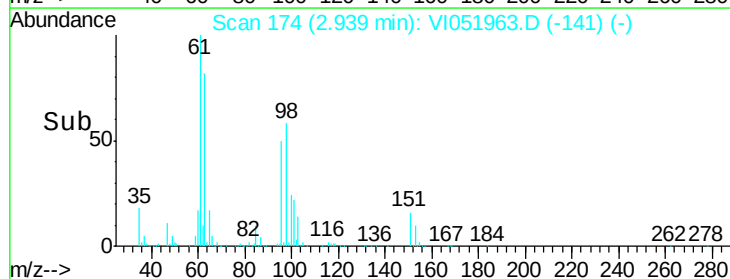
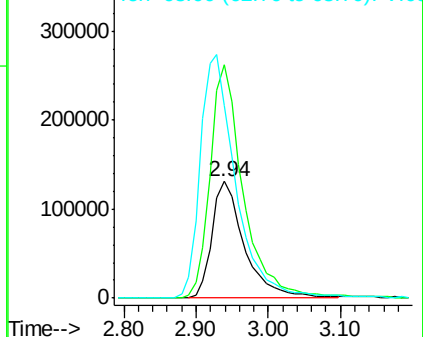
96 100

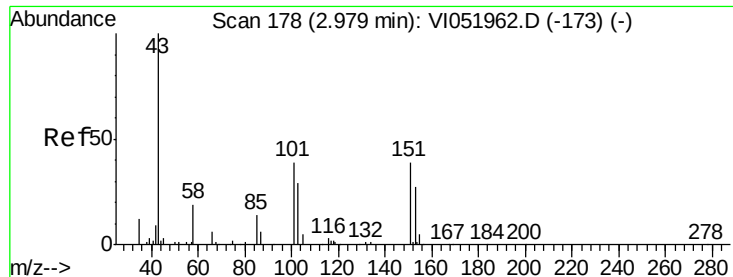
61 200.5 139.4 258.8

63 164.9 114.7 213.1



Abundance Ion 96.00 (95.70 to 96.70): VIO
Ion 61.00 (60.70 to 61.70): VIO
Ion 63.00 (62.70 to 63.70): VIO





#13

Acetone

Concen: 100.80 ug/L

RT: 2.98 min Scan# 178

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

Instrument :

BNA_F

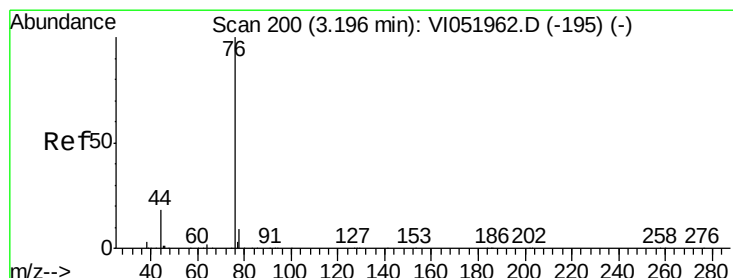
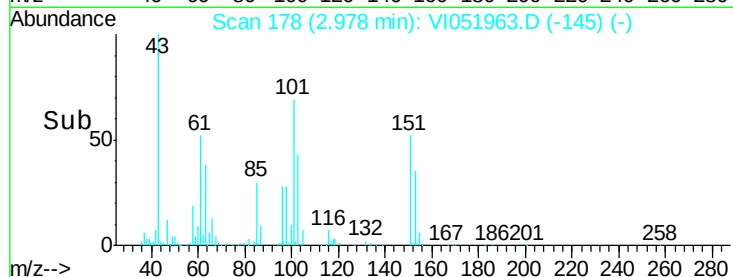
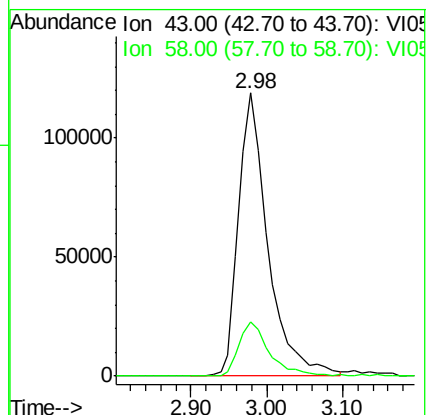
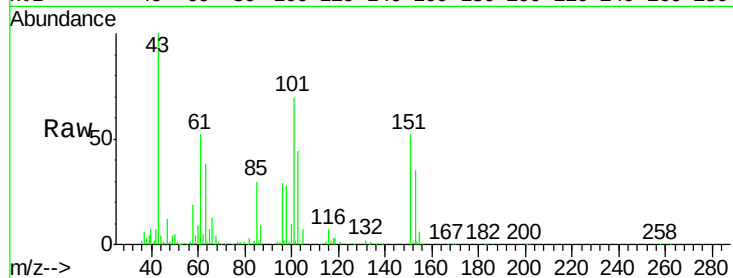
ClientSampleId :

Tot Ion: 43 Resp: 319474

Ion Ratio Lower Upper

43 100

58 19.8 0.0 40.2



#14

Carbon disulfide

Concen: 50.82 ug/L

RT: 3.19 min Scan# 200

Delta R.T. -0.00 min

Lab File: VI051963.D

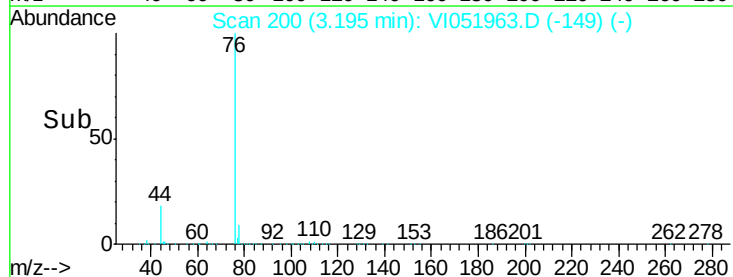
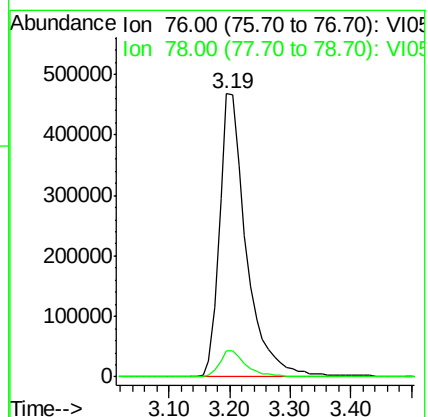
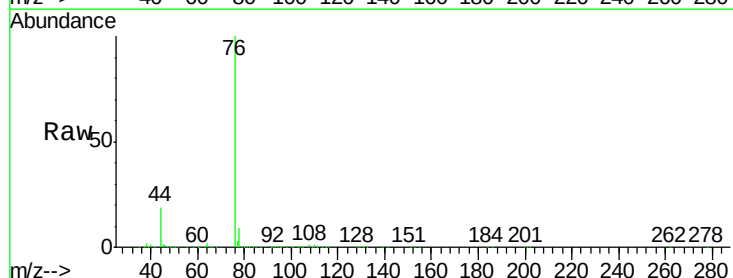
Acq: 24 Aug 2017 16:34

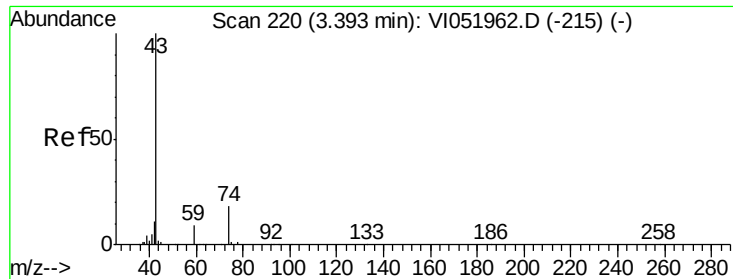
Tgt Ion: 76 Resp: 1442212

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

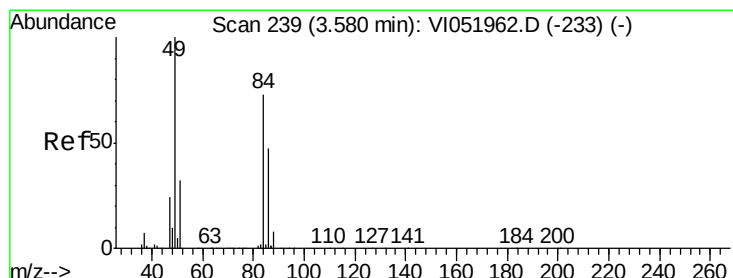
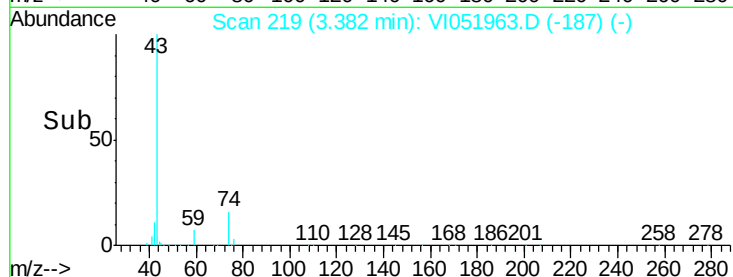
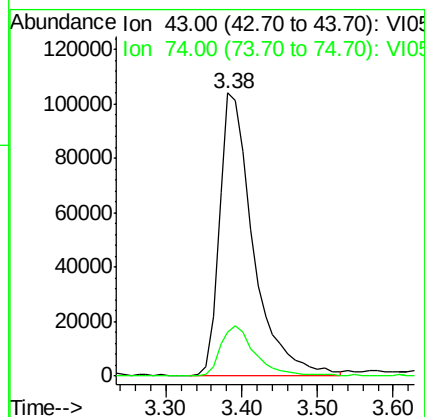
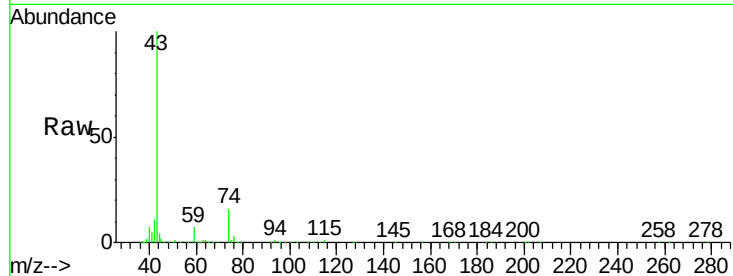




#15
Methyl Acetate
Concen: 50.12 ug/L
RT: 3.38 min Scan# 219
Delta R.T. -0.01 min
Lab File: VI051963.D
Acq: 24 Aug 2017 16:34

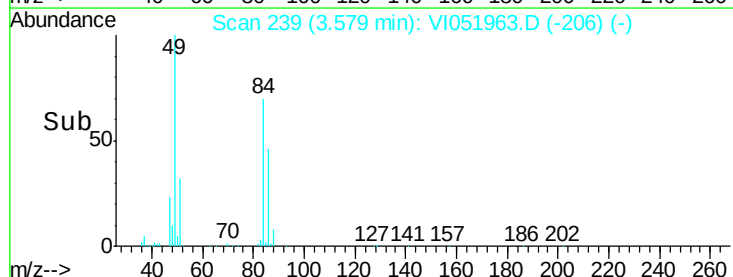
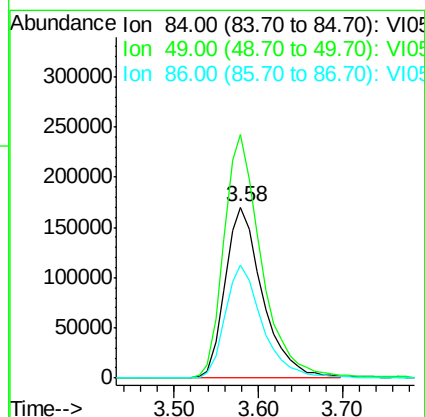
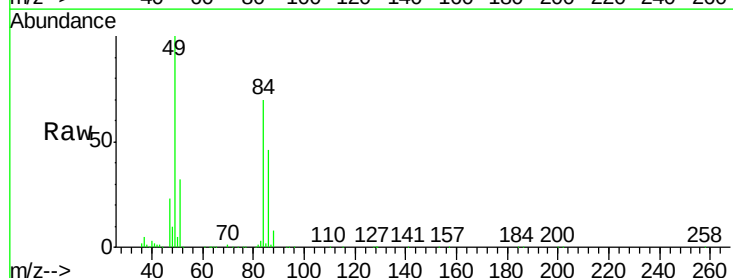
Instrument :
BNA_F
ClientSampled :

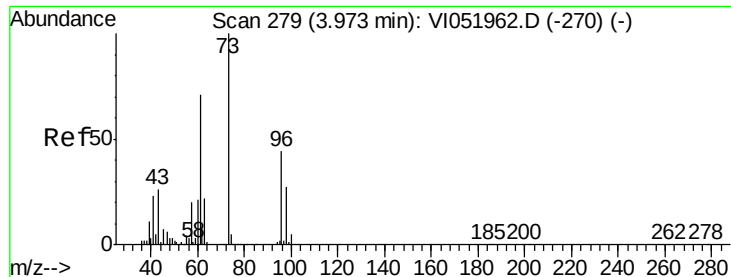
Tot Ion: 43 Resp: 318823
Ion Ratio Lower Upper
43 100
74 18.2 13.7 20.5



#16
Methylene chloride
Concen: 48.63 ug/L
RT: 3.58 min Scan# 239
Delta R.T. -0.00 min
Lab File: VI051963.D
Acq: 24 Aug 2017 16:34

Tgt Ion: 84 Resp: 527192
Ion Ratio Lower Upper
84 100
49 142.5 95.6 177.6
86 65.9 44.9 83.3

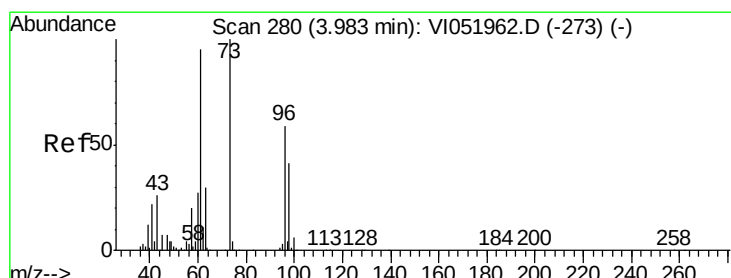
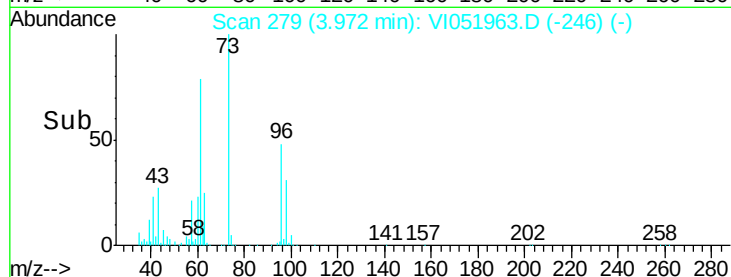
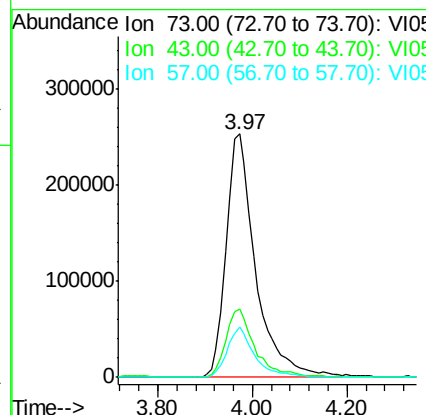
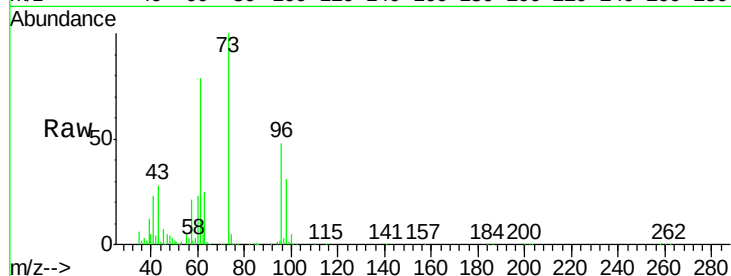




#17
Methyl tert-butyl Ether
Concen: 52.89 ug/L
RT: 3.97 min Scan# 279
Delta R.T. -0.00 min
Lab File: VI051963.D
Acq: 24 Aug 2017 16:34

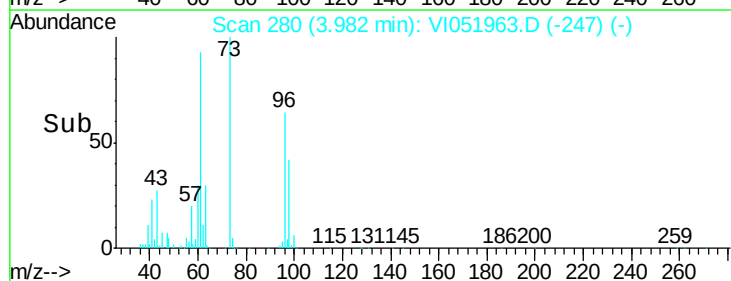
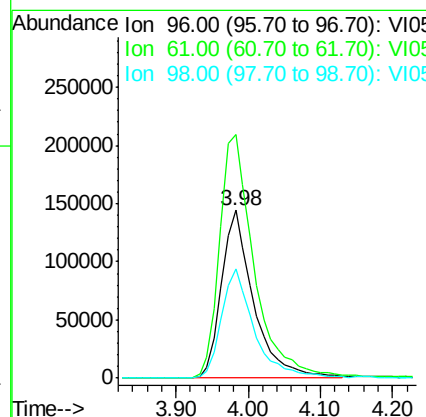
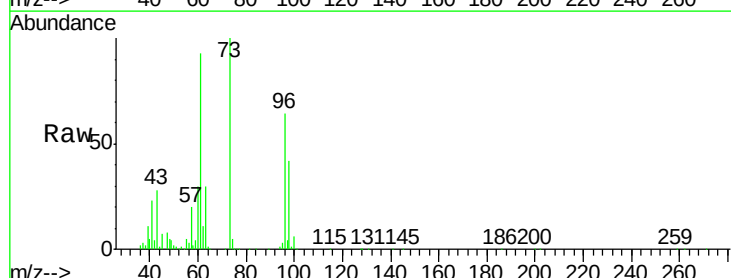
Instrument :
BNA_F
ClientSampleId :

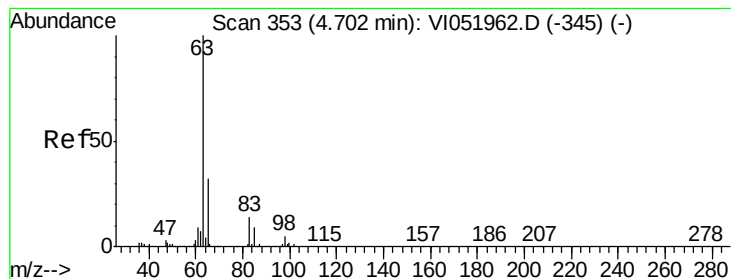
Tot Ion: 73 Resp: 1090347
Ion Ratio Lower Upper
73 100
43 27.0 22.3 33.5
57 19.2 15.8 23.6



#18
trans-1,2-Dichloroethene
Concen: 53.11 ug/L
RT: 3.98 min Scan# 280
Delta R.T. -0.00 min
Lab File: VI051963.D
Acq: 24 Aug 2017 16:34

Tgt Ion: 96 Resp: 440439
Ion Ratio Lower Upper
96 100
61 145.0 112.1 208.3
98 64.7 48.5 90.1





#19

1,1-Dichloroethane

Concen: 50.53 ug/L

RT: 4.70 min Scan# 353

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

Instrument :

BNA_F

ClientSampleId :

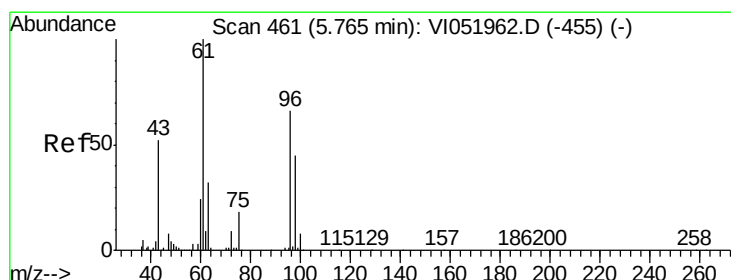
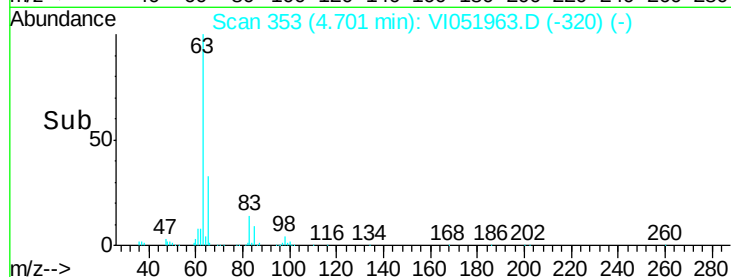
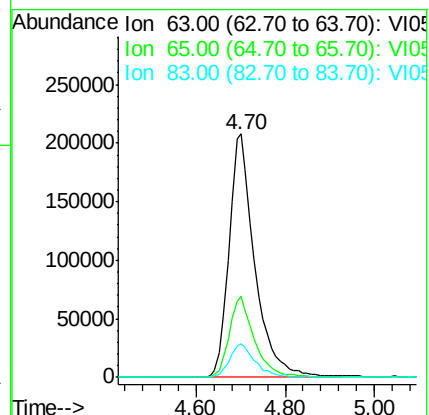
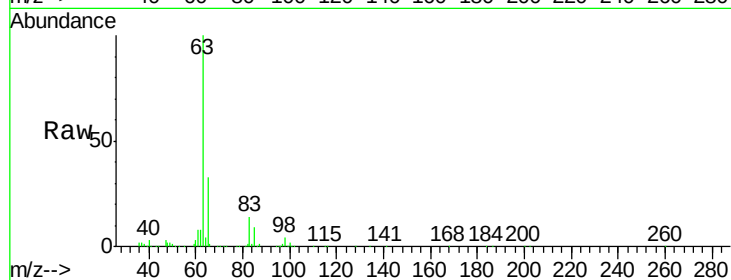
Tot Ion: 63 Resp: 830488

Ion Ratio Lower Upper

63 100

65 33.4 22.3 41.3

83 13.7 9.9 18.5



#21

2-Butanone

Concen: 100.55 ug/L

RT: 5.75 min Scan# 460

Delta R.T. -0.01 min

Lab File: VI051963.D

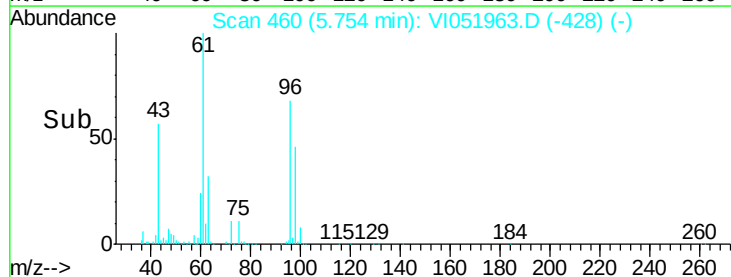
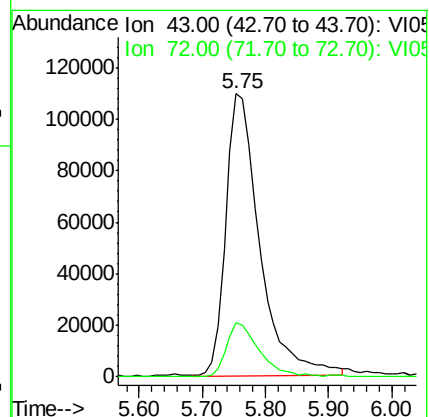
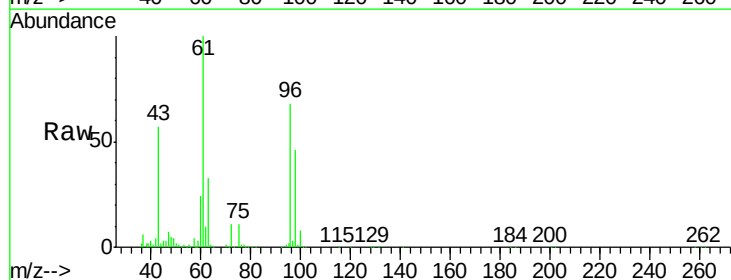
Acq: 24 Aug 2017 16:34

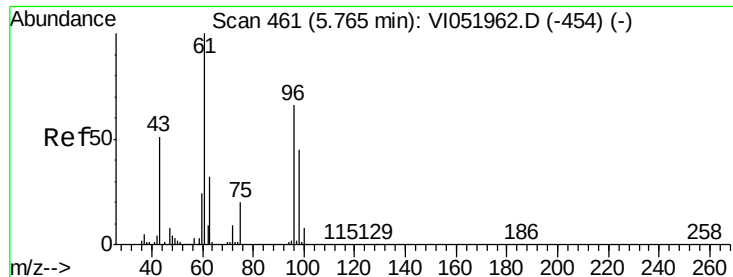
Tgt Ion: 43 Resp: 408276

Ion Ratio Lower Upper

43 100

72 18.6 9.2 27.6



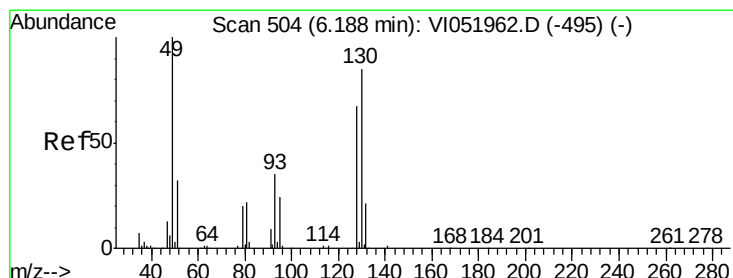
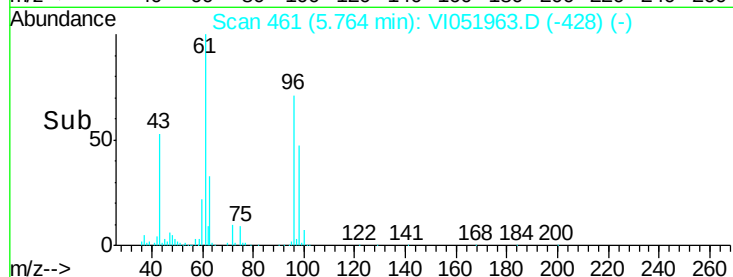
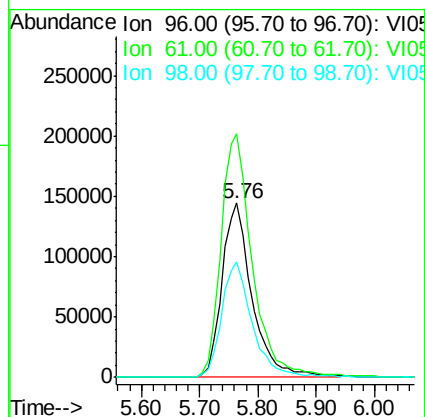
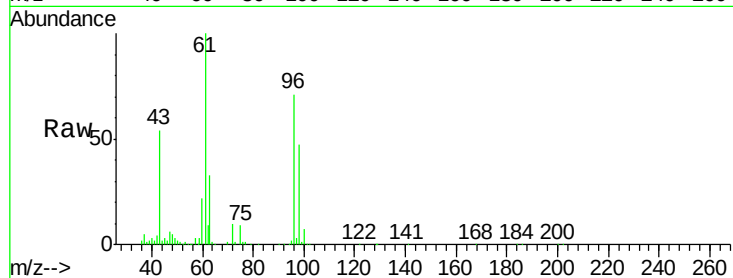


#22

cis-1,2-Dichloroethene
Concen: 51.47 ug/L
RT: 5.76 min Scan# 461
Delta R.T. -0.00 min
Lab File: VI051963.D
Acq: 24 Aug 2017 16:34

Instrument :
BNA_F
ClientSampled :

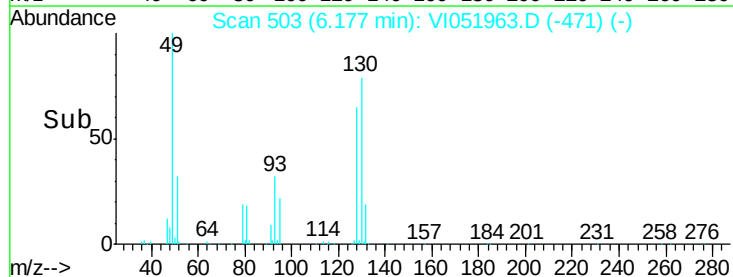
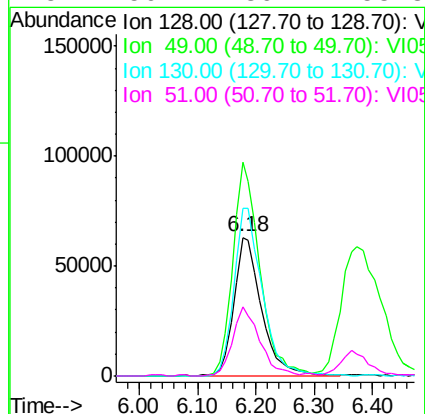
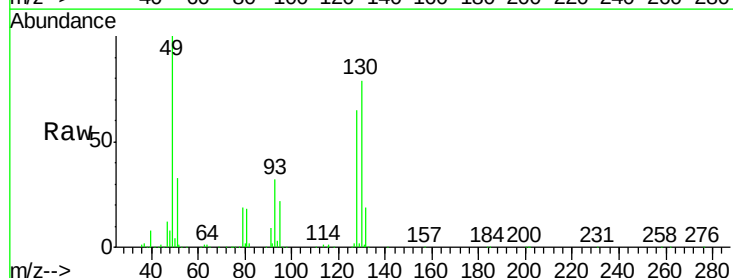
Tot Ion	96	Resp	516564
Ion	Ratio	Lower	Upper
96	100		
61	140.0	106.8	198.4
98	66.5	48.2	89.4

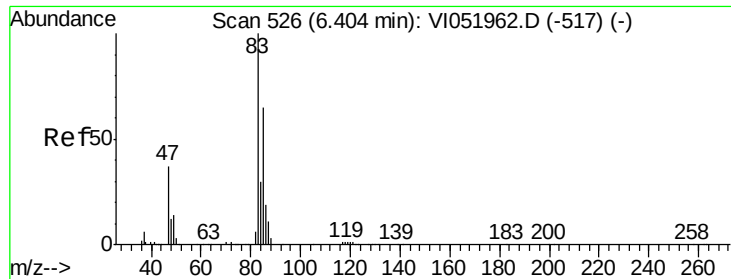


#23

Bromochloromethane
Concen: 44.98 ug/L
RT: 6.18 min Scan# 503
Delta R.T. -0.01 min
Lab File: VI051963.D
Acq: 24 Aug 2017 16:34

Tgt Ion	128	Resp	208284
Ion	Ratio	Lower	Upper
128	100		
49	154.4	104.2	193.4
130	121.2	88.2	163.8
51	50.4	39.2	58.8





#25

Chloroform

Concen: 51.35 ug/L

RT: 6.40 min Scan# 526

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

Instrument :

BNA_F

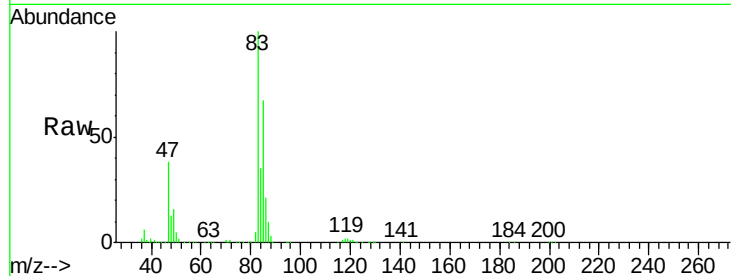
ClientSampleId :

Tot Ion: 83 Resp: 944132

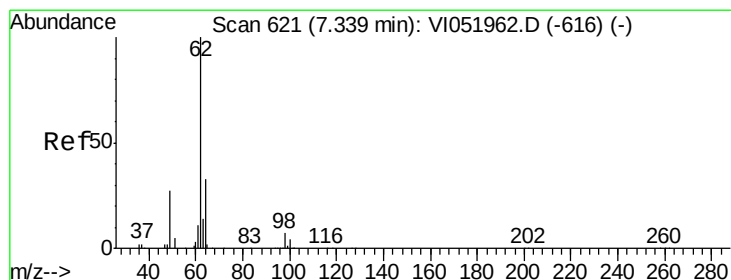
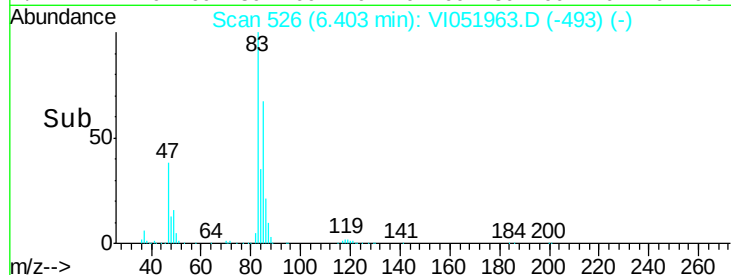
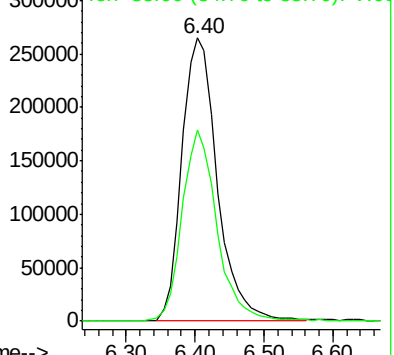
Ion Ratio Lower Upper

83 100

85 66.5 46.3 85.9



Abundance Ion 83.00 (82.70 to 83.70): VI051963.D (-493) (-)



#27

1,2-Dichloroethane

Concen: 51.66 ug/L

RT: 7.34 min Scan# 621

Delta R.T. -0.00 min

Lab File: VI051963.D

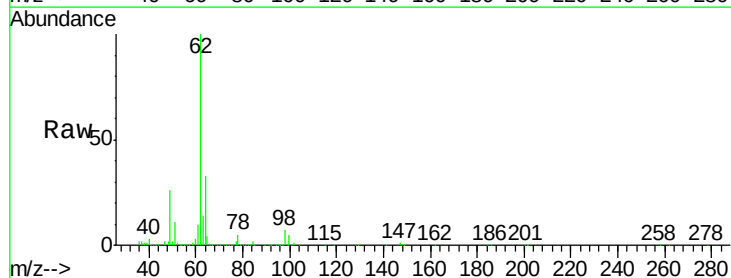
Acq: 24 Aug 2017 16:34

Tgt Ion: 62 Resp: 709463

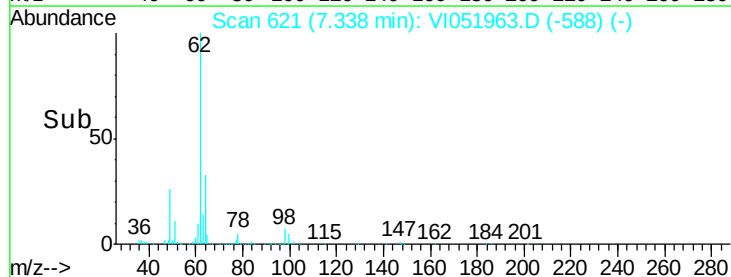
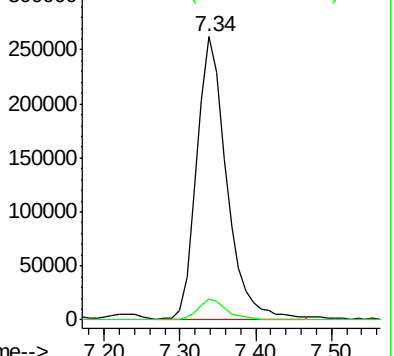
Ion Ratio Lower Upper

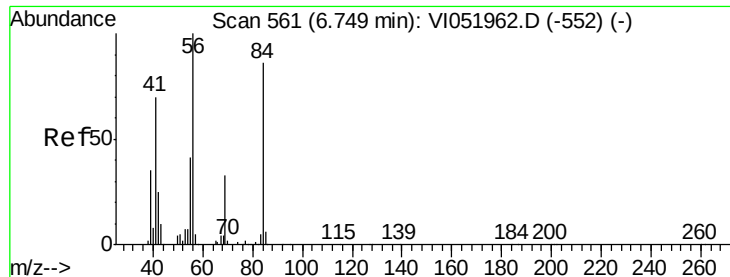
62 100

98 7.2 5.5 8.3



Abundance Ion 62.00 (61.70 to 62.70): VI051963.D (-588) (-)

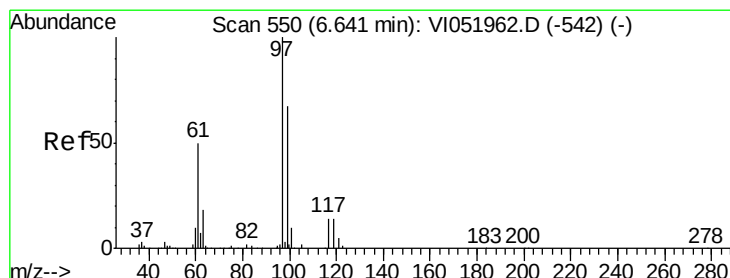
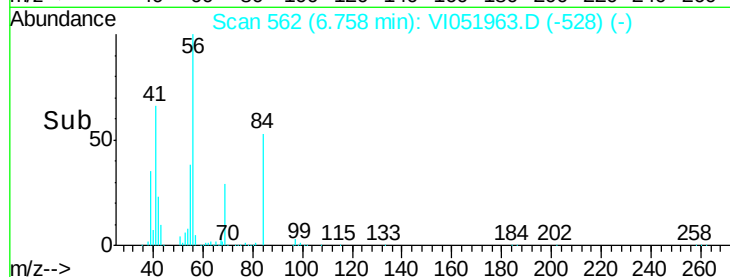
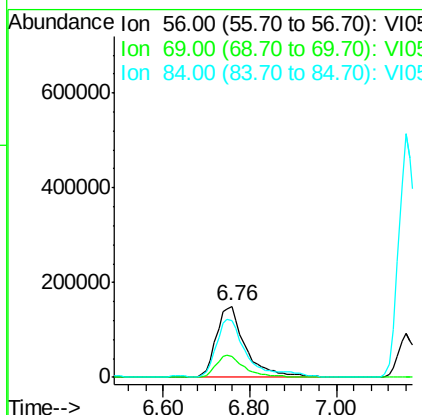
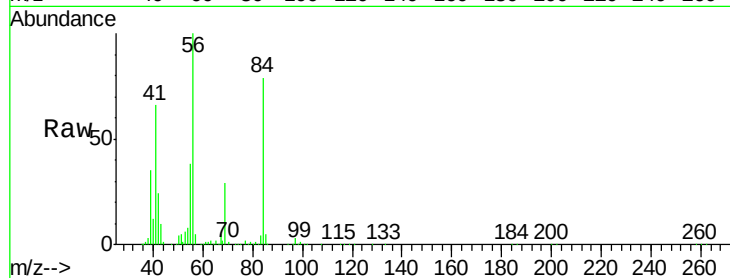




#30
Cyclohexane
Concen: 51.50 ug/L
RT: 6.76 min Scan# 562
Delta R.T. 0.01 min
Lab File: VI051963.D
Acq: 24 Aug 2017 16:34

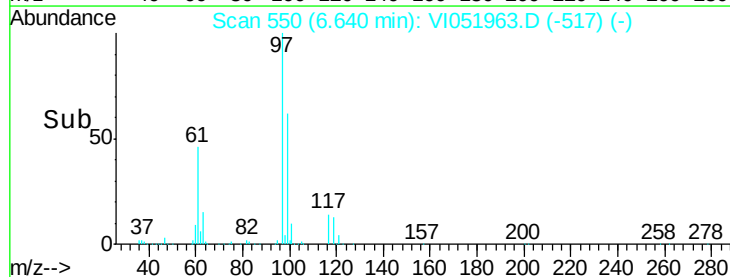
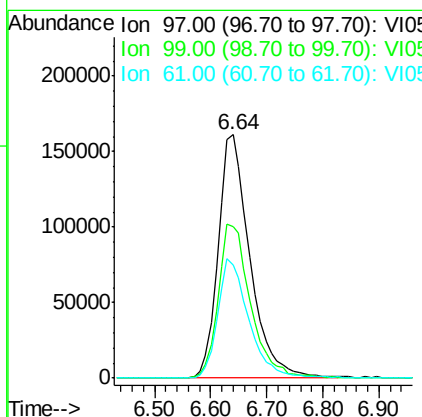
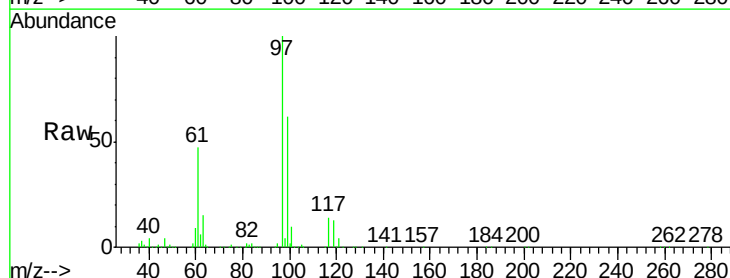
Instrument :
BNA_F
ClientSampleId :

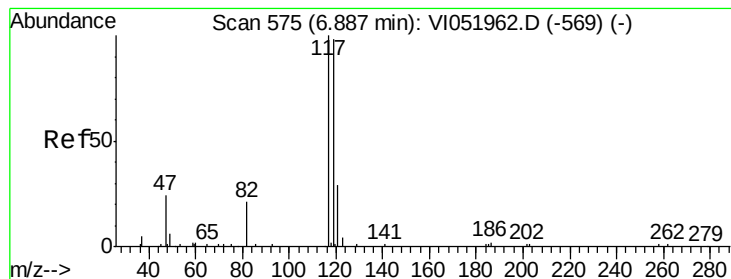
Tot Ion	56	Resp	704167
Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.2	36.4
84	76.9	59.6	89.4



#31
1,1,1-Trichloroethane
Concen: 50.98 ug/L
RT: 6.64 min Scan# 550
Delta R.T. -0.00 min
Lab File: VI051963.D
Acq: 24 Aug 2017 16:34

Tgt Ion	97	Resp	635648
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	48.2	38.6	58.0





#32

Carbon tetrachloride

Concen: 34.64 ug/L

RT: 6.90 min Scan# 576

Delta R.T. 0.01 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

Instrument :

BNA_F

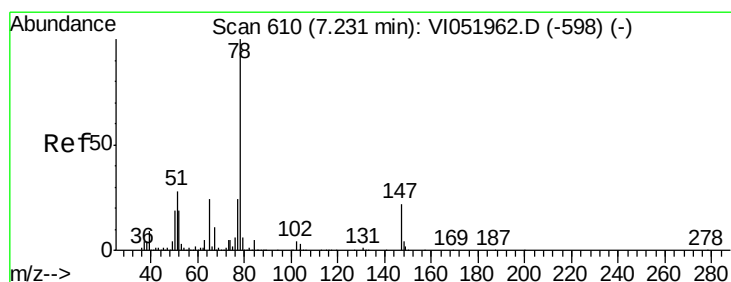
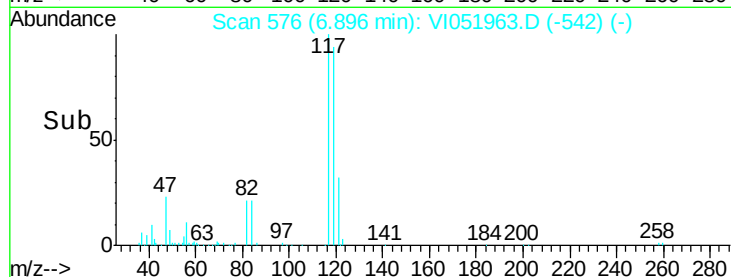
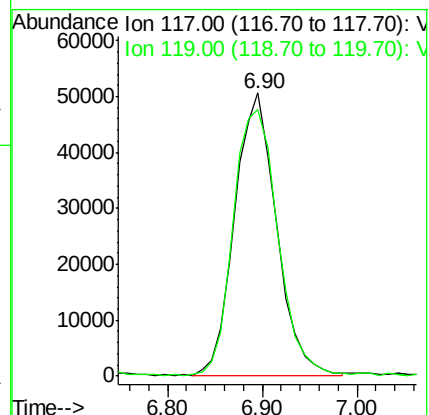
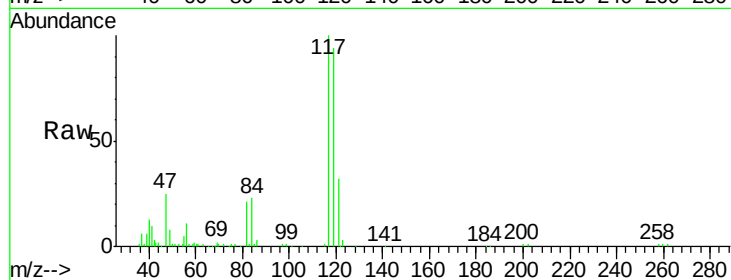
ClientSampled :

Tot Ion:117 Resp: 153973

Ion Ratio Lower Upper

117 100

119 101.5 78.3 117.5



#34

Benzene

Concen: 51.32 ug/L

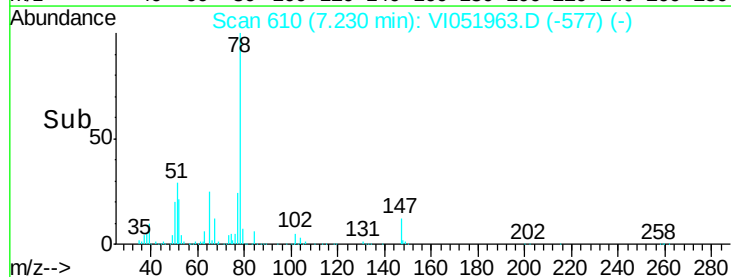
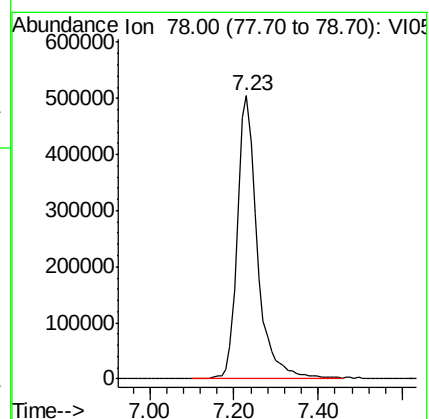
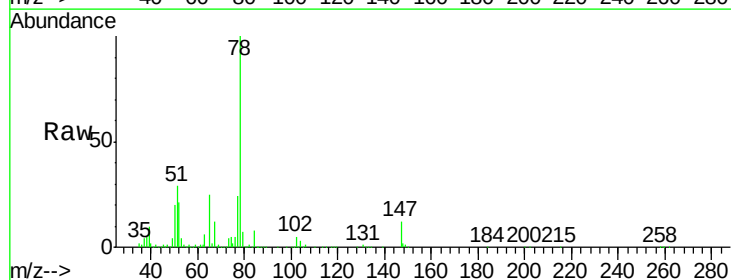
RT: 7.23 min Scan# 610

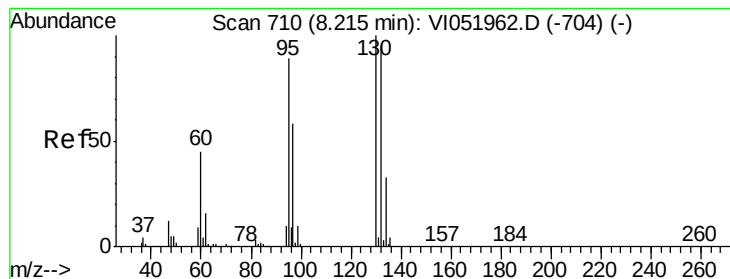
Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

Tgt Ion: 78 Resp: 1672415





#35

Trichloroethene

Concen: 49.92 ug/L

RT: 8.20 min Scan# 709

Delta R.T. -0.01 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 95 Resp: 580986

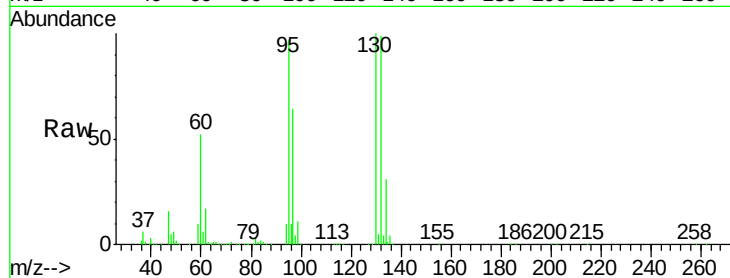
Ion Ratio Lower Upper

95 100

97 65.7 46.2 85.8

132 103.9 72.7 135.1

130 105.3 74.5 138.3

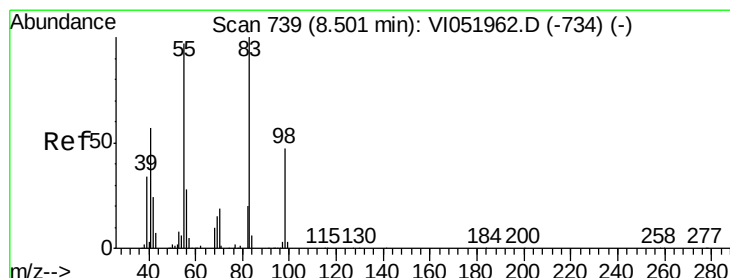
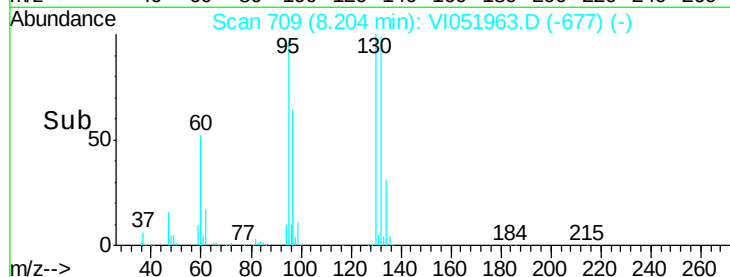
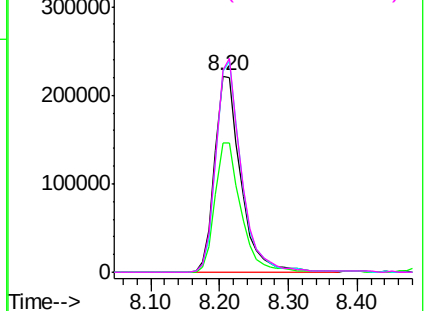


Abundance Ion 95.00 (94.70 to 95.70): VI05

Ion 97.00 (96.70 to 97.70): VI05

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 48.33 ug/L

RT: 8.50 min Scan# 739

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

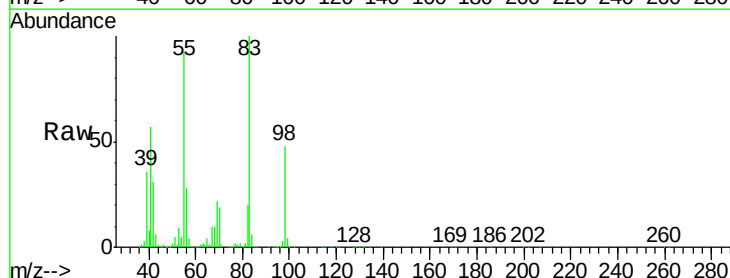
Tgt Ion: 83 Resp: 745348

Ion Ratio Lower Upper

83 100

55 96.3 73.4 110.0

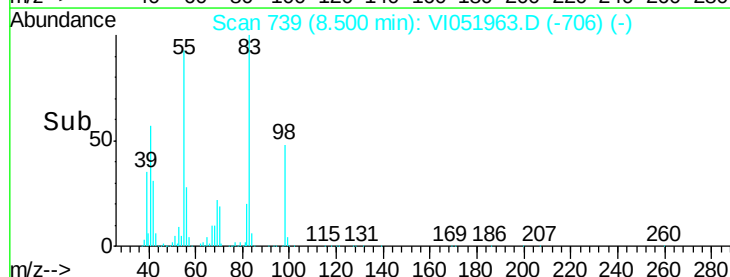
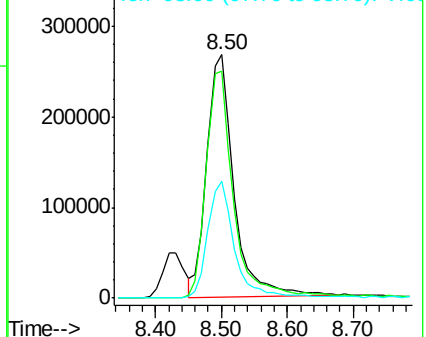
98 46.8 36.7 55.1

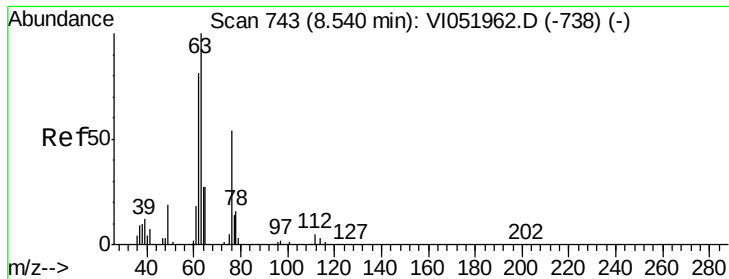


Abundance Ion 83.00 (82.70 to 83.70): VI05

Ion 55.00 (54.70 to 55.70): VI05

Ion 98.00 (97.70 to 98.70): VI05

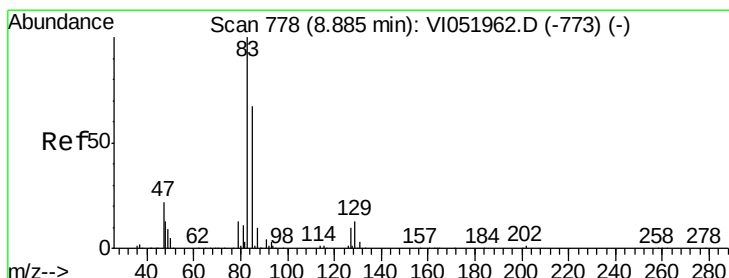
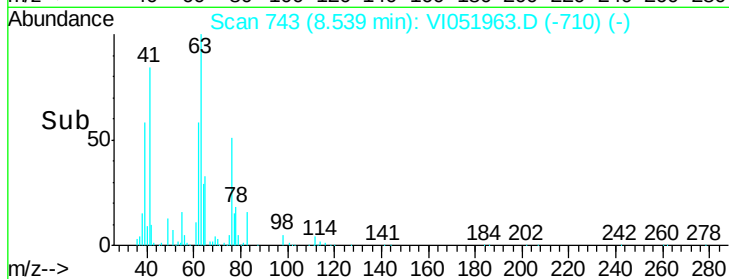
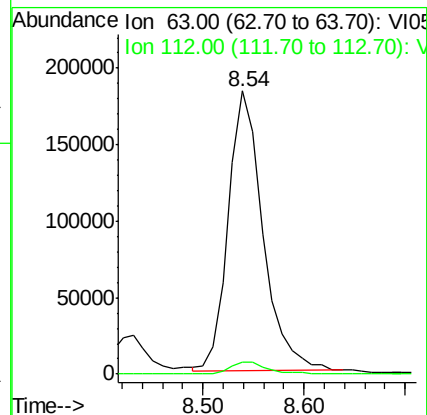
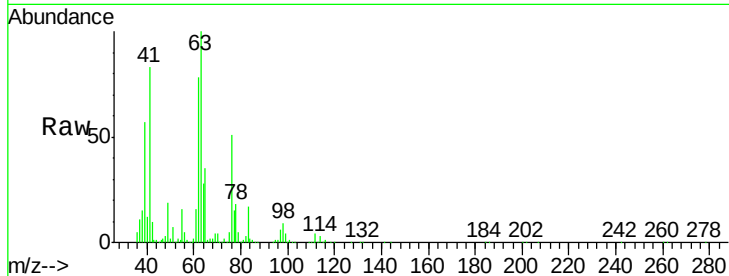




#40
1,2-Dichloropropane
Concen: 45.13 ug/L
RT: 8.54 min Scan# 743
Delta R.T. -0.00 min
Lab File: VI051963.D
Acq: 24 Aug 2017 16:34

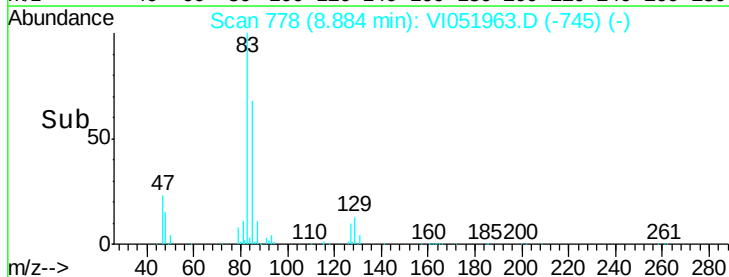
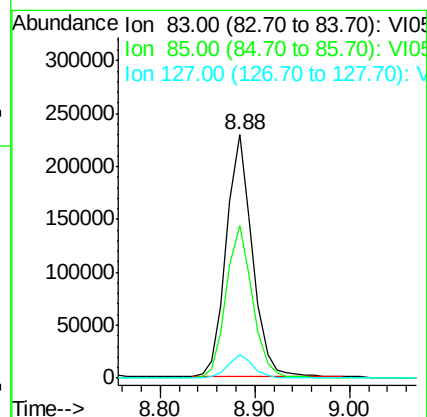
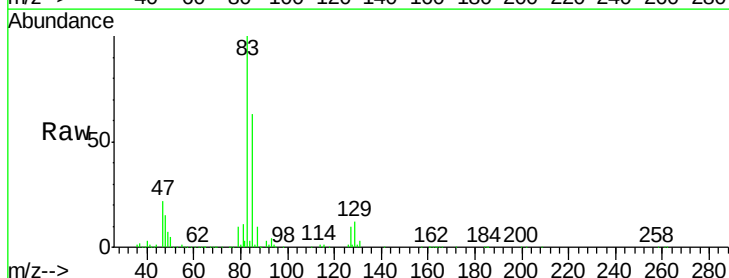
Instrument :
BNA_F
ClientSampleId :

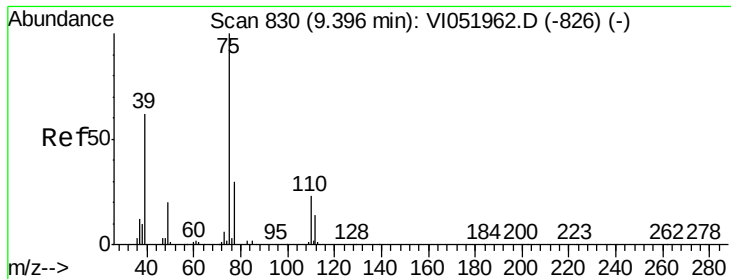
Tot Ion: 63 Resp: 436425
Ion Ratio Lower Upper
63 100
112 4.8 3.7 5.5



#41
Bromodichloromethane
Concen: 46.89 ug/L
RT: 8.88 min Scan# 778
Delta R.T. -0.00 min
Lab File: VI051963.D
Acq: 24 Aug 2017 16:34

Tgt Ion: 83 Resp: 437678
Ion Ratio Lower Upper
83 100
85 63.0 46.8 87.0
127 9.6 8.2 12.2





#42

cis-1,3-Dichloropropene

Concen: 39.67 ug/L

RT: 9.40 min Scan# 830

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

Instrument :

BNA_F

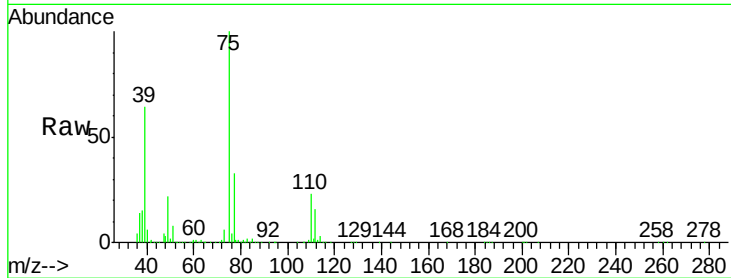
ClientSampleId :

Tot Ion: 75 Resp: 395006

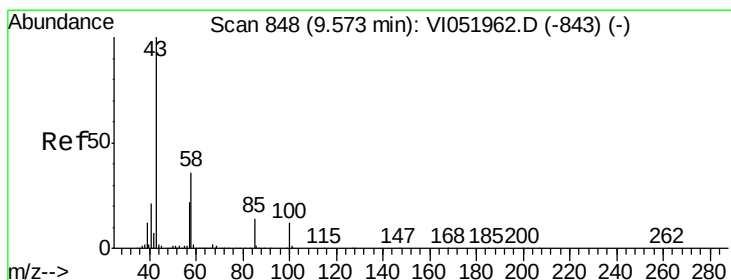
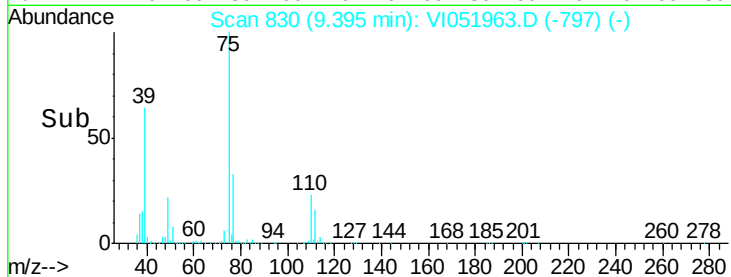
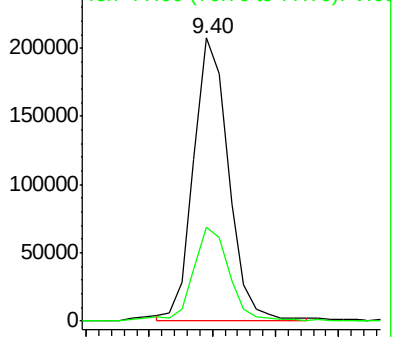
Ion Ratio Lower Upper

75 100

77 33.0 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VI051963.D (-797) (-)



#43

4-Methyl-2-pentanone

Concen: 103.05 ug/L

RT: 9.57 min Scan# 848

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

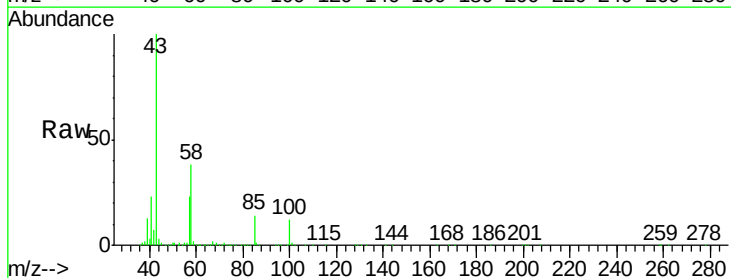
Tgt Ion: 43 Resp: 1245061

Ion Ratio Lower Upper

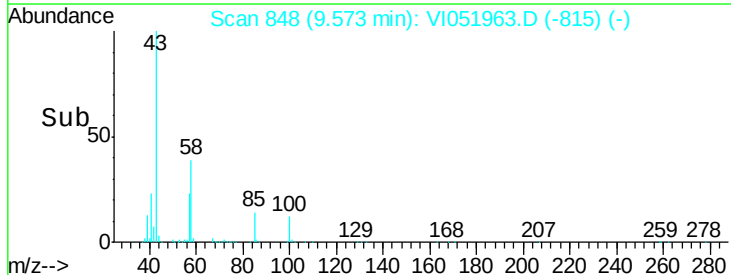
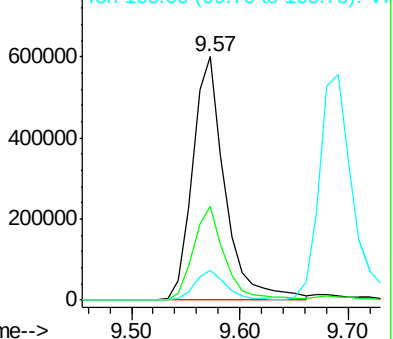
43 100

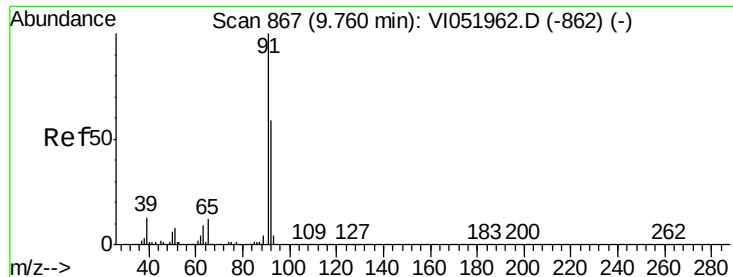
58 37.3 30.0 45.0

100 11.8 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VI051963.D (-815) (-)





#44

Toluene

Concen: 49.61 ug/L

RT: 9.76 min Scan# 867

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

Instrument :

BNA_F

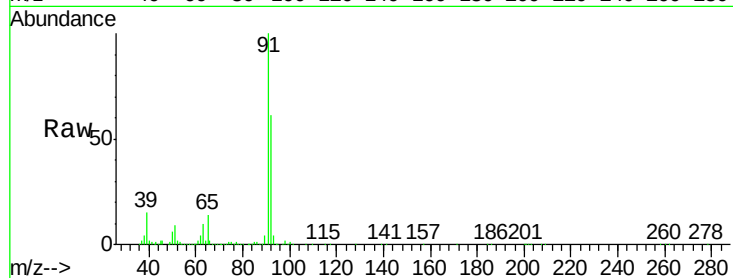
ClientSampleId :

Tot Ion: 91 Resp: 2180518

Ion Ratio Lower Upper

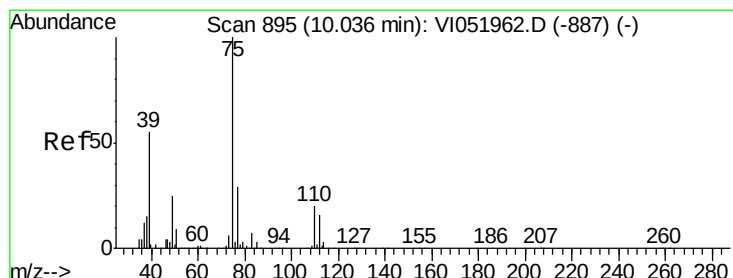
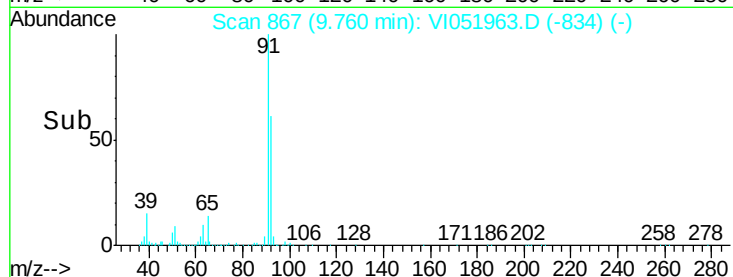
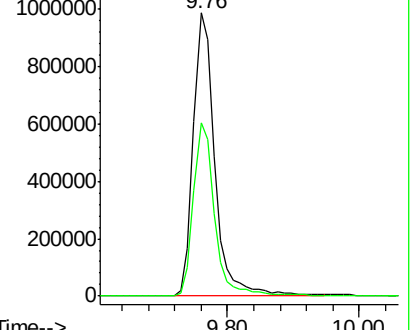
91 100

92 61.0 41.6 77.2



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

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



#45

trans-1,3-Dichloropropene

Concen: 39.06 ug/L

RT: 10.04 min Scan# 895

Delta R.T. -0.00 min

Lab File: VI051963.D

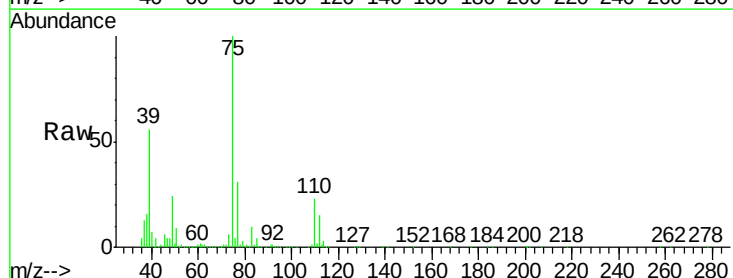
Acq: 24 Aug 2017 16:34

Tgt Ion: 75 Resp: 351949

Ion Ratio Lower Upper

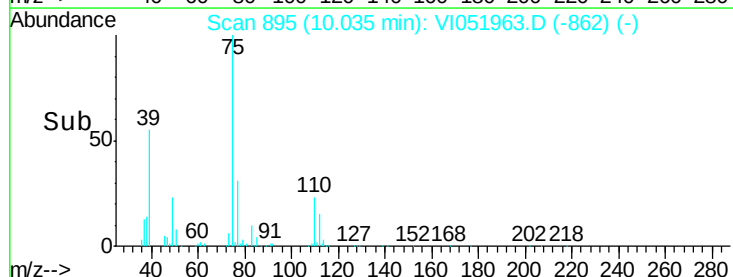
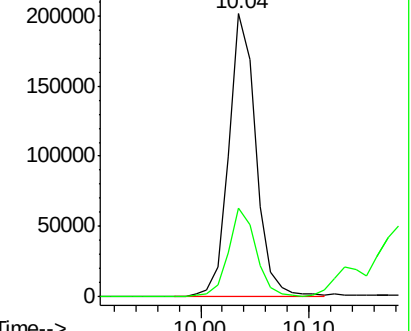
75 100

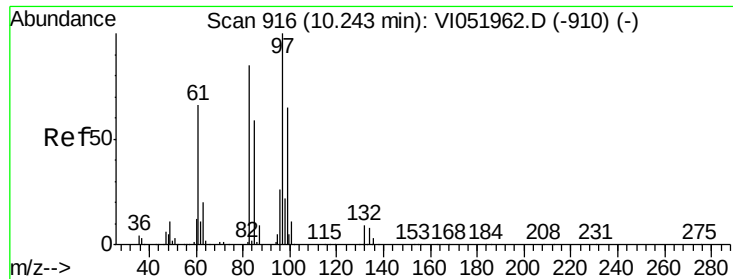
77 31.3 20.5 38.1



Abundance Ion 75.00 (74.70 to 75.70): VI051962.D (-887) (-)

Ion 77.00 (76.70 to 77.70): VI051962.D (-887) (-)

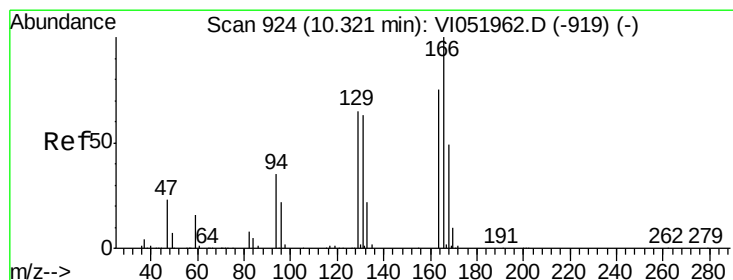
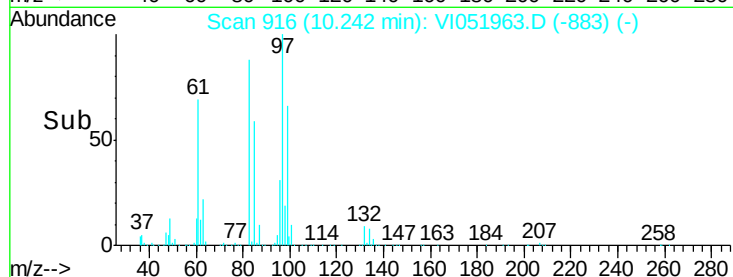
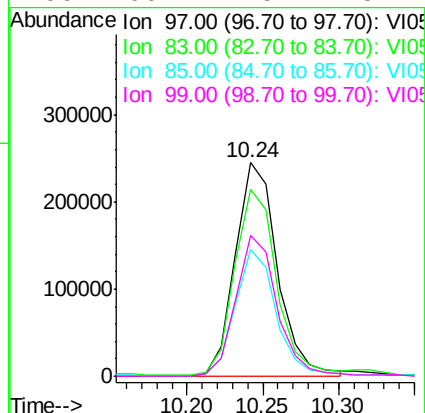
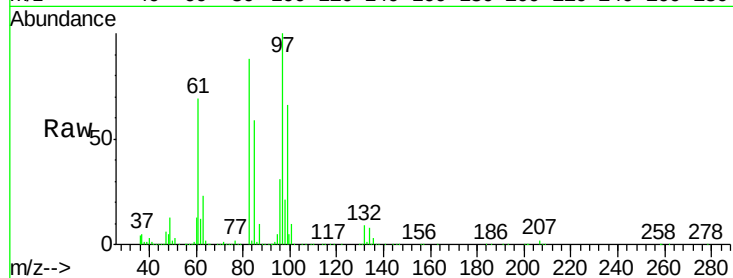




#46
 1,1,2-Trichloroethane
 Concen: 47.44 ug/L
 RT: 10.24 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VI051963.D
 Acq: 24 Aug 2017 16:34

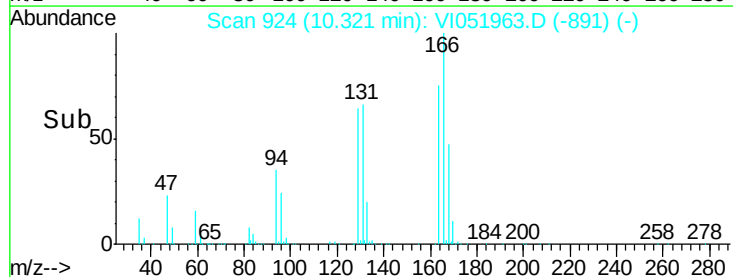
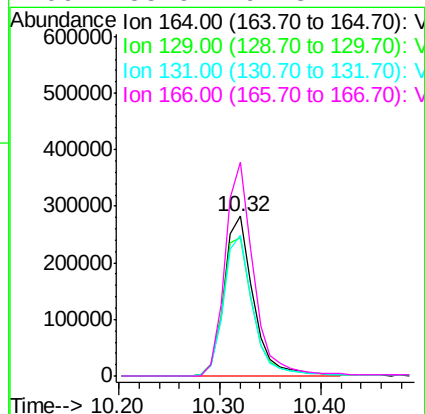
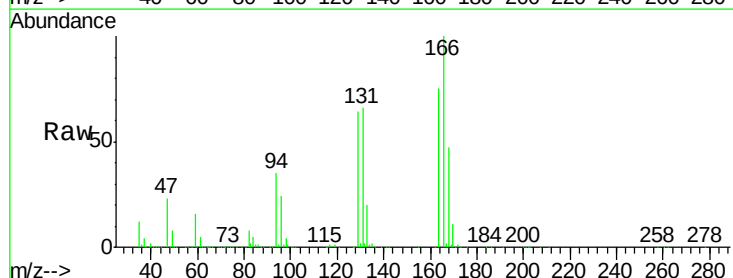
Instrument :
 BNA_F
 ClientSampleId :

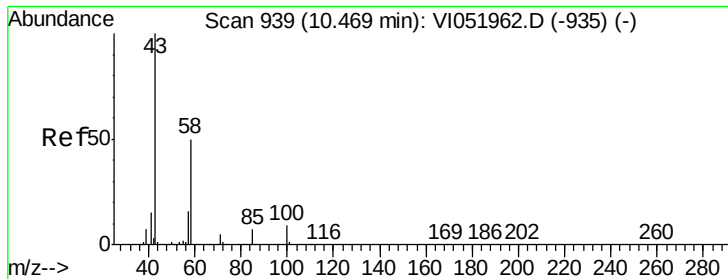
Tot Ion:	97	Resp:	475465
Ion	Ratio	Lower	Upper
97	100		
83	87.8	60.0	111.4
85	59.2	41.4	77.0
99	66.1	45.4	84.2



#47
 Tetrachloroethene
 Concen: 50.72 ug/L
 RT: 10.32 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VI051963.D
 Acq: 24 Aug 2017 16:34

Tgt Ion:	164	Resp:	573433
Ion	Ratio	Lower	Upper
164	100		
129	86.3	60.5	112.3
131	88.1	58.4	108.4
166	133.9	92.8	172.4

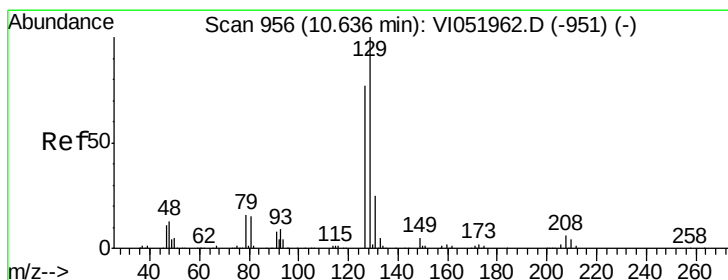
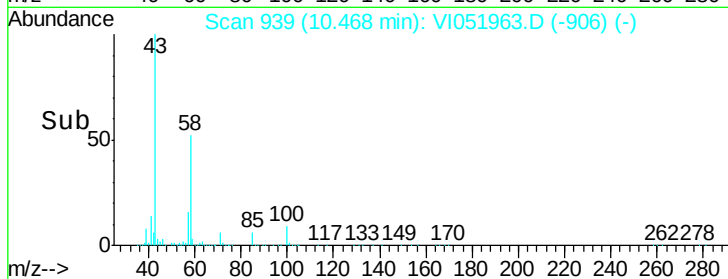
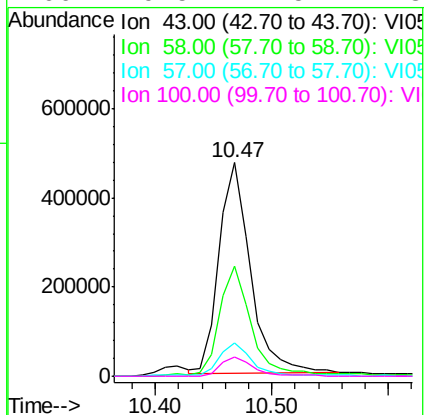
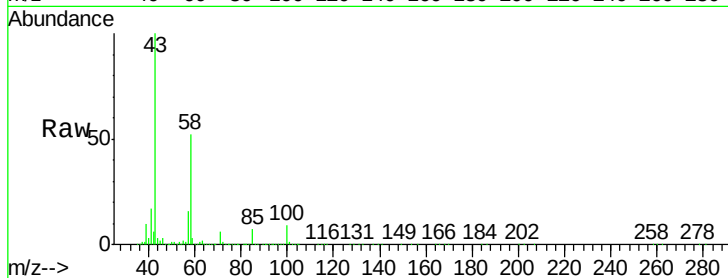




#49
2-Hexanone
Concen: 98.87 ug/L
RT: 10.47 min Scan# 939
Delta R.T. -0.00 min
Lab File: VI051963.D
Acq: 24 Aug 2017 16:34

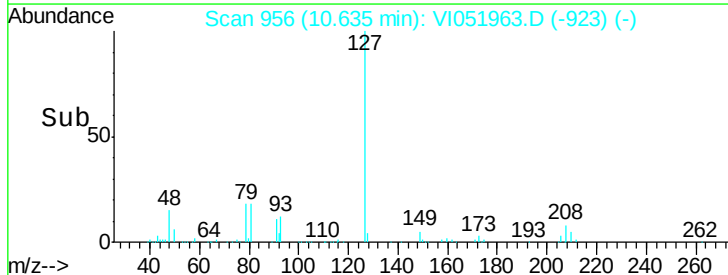
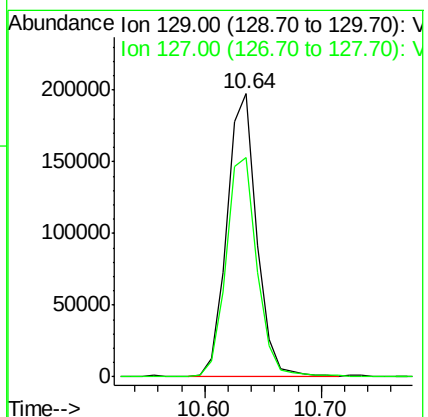
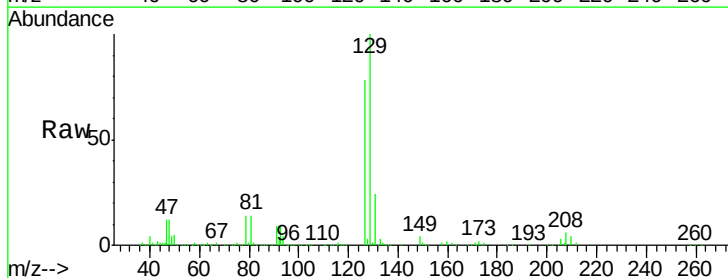
Instrument :
BNA_F
ClientSampleId :

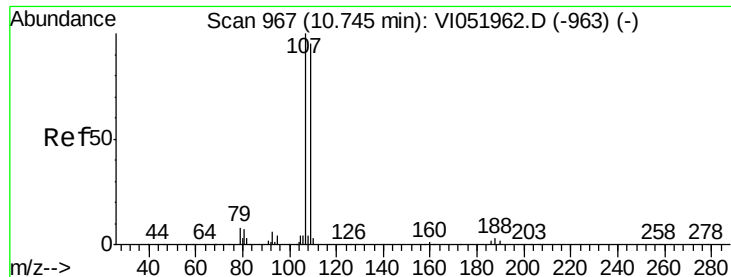
Tot Ion: 43 Resp: 877568
Ion Ratio Lower Upper
43 100
58 50.8 39.2 58.8
57 16.3 12.5 18.7
100 9.5 7.5 11.3



#50
Dibromochloromethane
Concen: 40.85 ug/L
RT: 10.64 min Scan# 956
Delta R.T. -0.00 min
Lab File: VI051963.D
Acq: 24 Aug 2017 16:34

Tgt Ion: 129 Resp: 349843
Ion Ratio Lower Upper
129 100
127 77.5 53.8 100.0





#51

1,2-Dibromoethane

Concen: 36.11 ug/L

RT: 10.74 min Scan# 967

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

Instrument :

BNA_F

ClientSampleId :

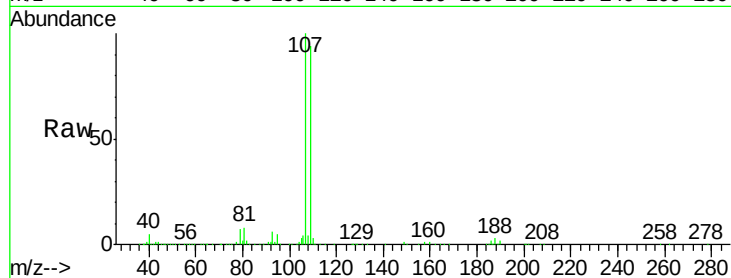
Tot Ion:107 Resp: 282655

Ion Ratio Lower Upper

107 100

109 93.9 66.4 123.2

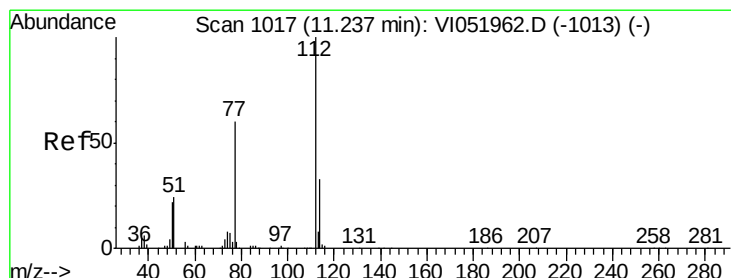
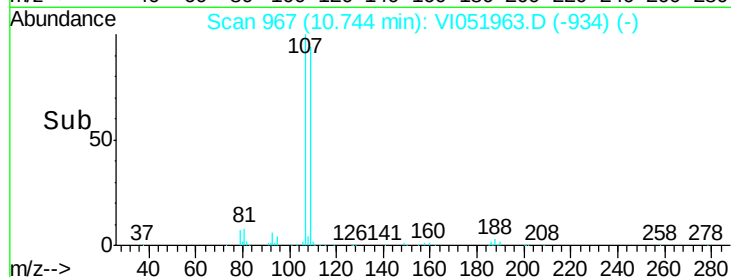
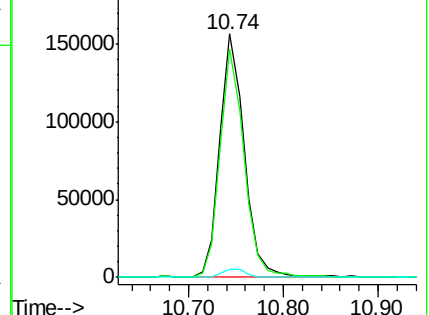
188 3.5 2.6 3.8



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: 50.15 ug/L

RT: 11.24 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

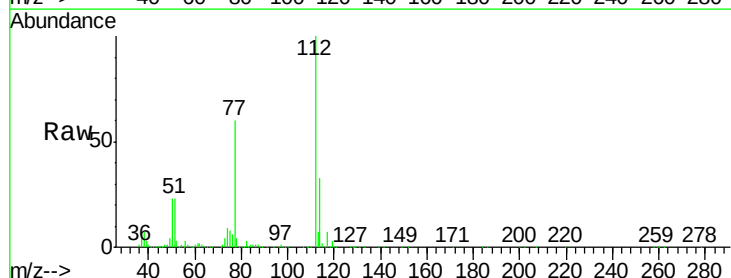
Tgt Ion:112 Resp: 1722611

Ion Ratio Lower Upper

112 100

77 59.8 48.4 72.6

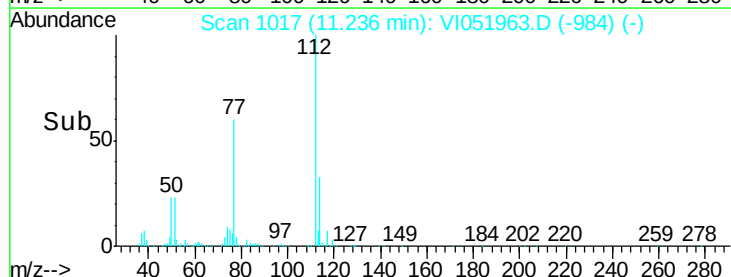
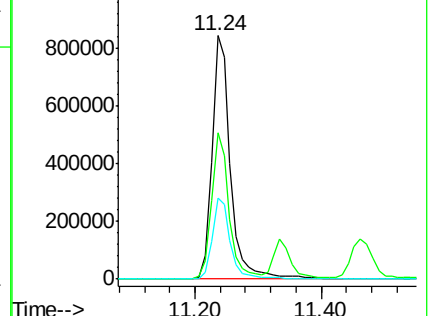
114 33.5 23.3 43.3

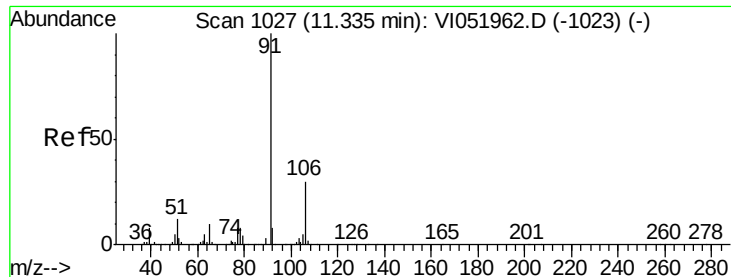


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VI05

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 50.66 ug/L

RT: 11.33 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

Instrument :

BNA_F

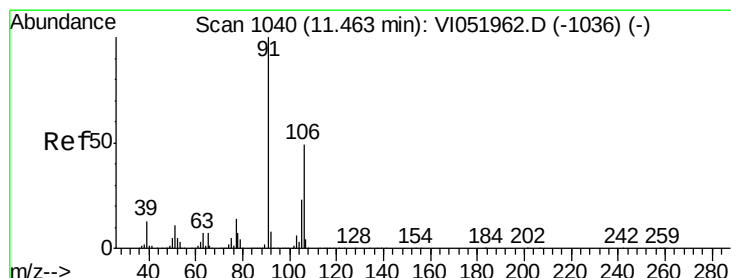
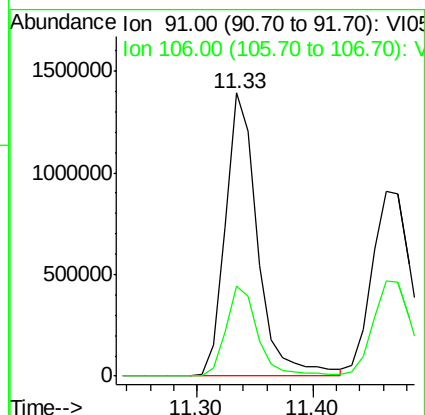
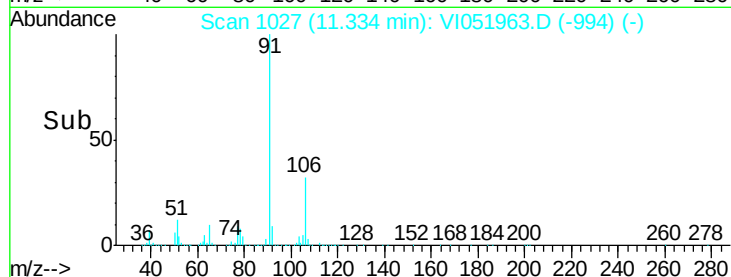
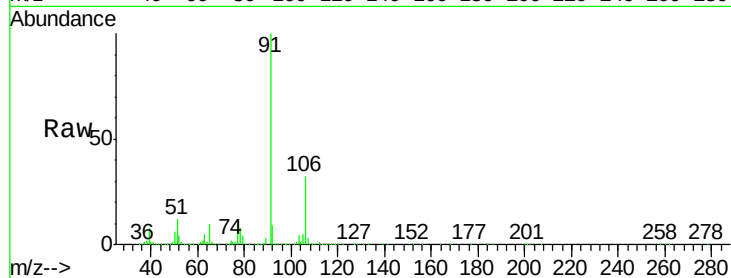
ClientSampleId :

Tot Ion: 91 Resp: 2677004

Ion Ratio Lower Upper

91 100

106 32.0 21.3 39.5



#54

m,p-Xylene

Concen: 47.26 ug/L

RT: 11.46 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VI051963.D

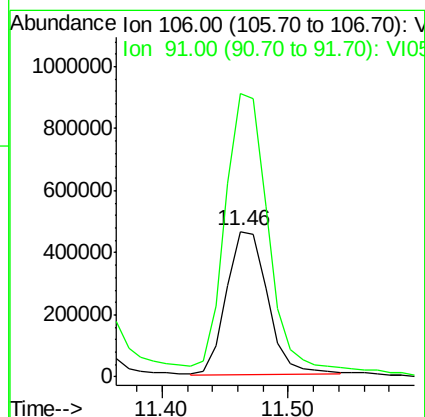
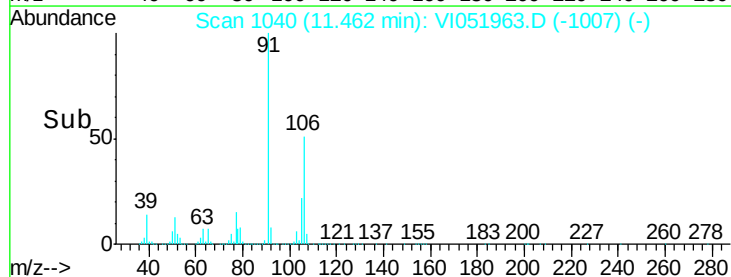
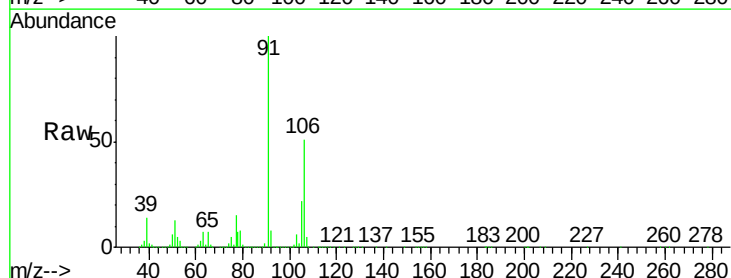
Acq: 24 Aug 2017 16:34

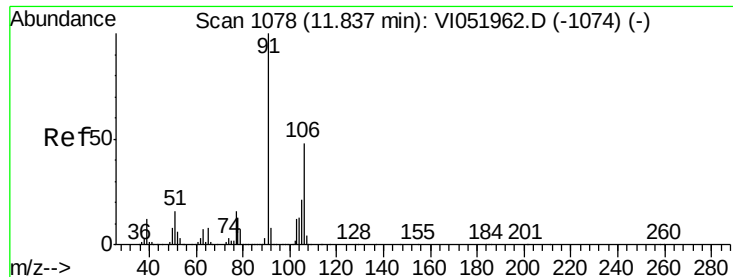
Tgt Ion: 106 Resp: 1039148

Ion Ratio Lower Upper

106 100

91 195.0 145.1 269.5





#55

o-xylene

Concen: 49.89 ug/L

RT: 11.84 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

Instrument :

BNA_F

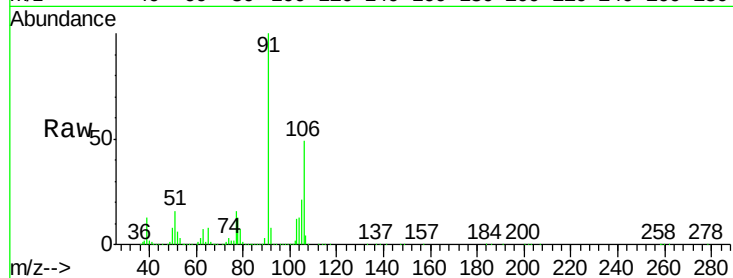
ClientSampleId :

Tot Ion:106 Resp: 1058706

Ion Ratio Lower Upper

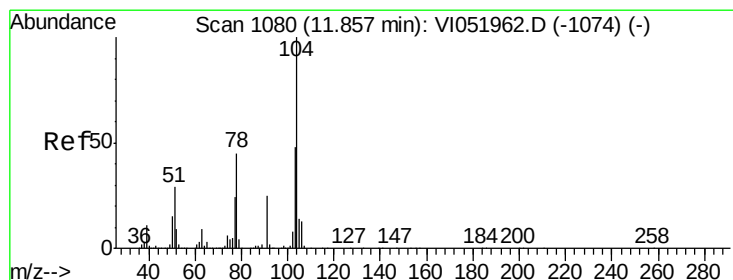
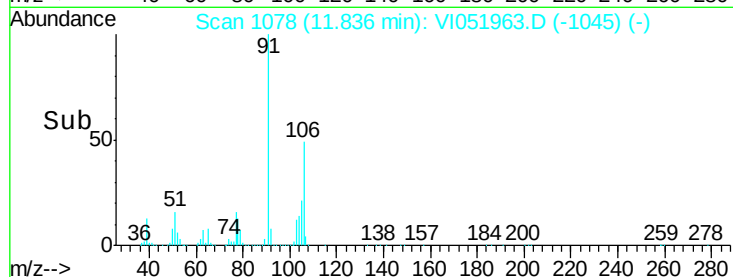
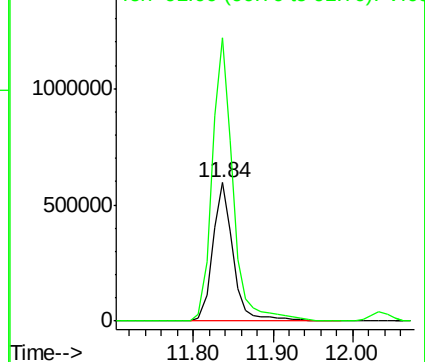
106 100

91 204.5 145.5 270.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VI05



#56

Styrene

Concen: 51.08 ug/L

RT: 11.86 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VI051963.D

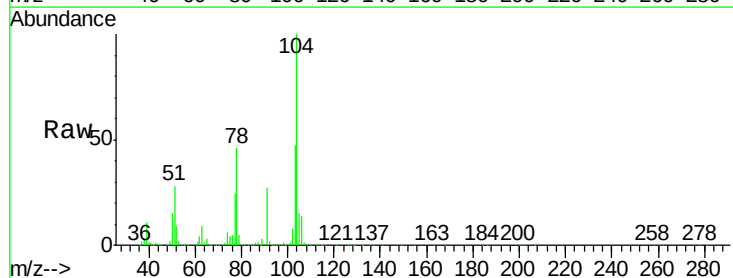
Acq: 24 Aug 2017 16:34

Tgt Ion:104 Resp: 1803904

Ion Ratio Lower Upper

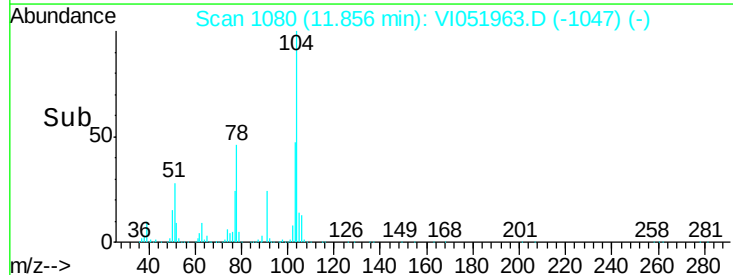
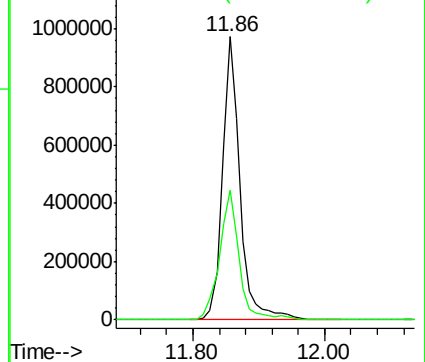
104 100

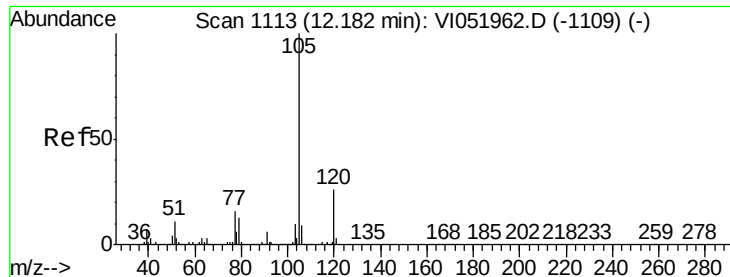
78 46.0 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VI05





#57

Isopropylbenzene

Concen: 47.98 ug/L

RT: 12.18 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

Instrument :

BNA_F

ClientSampleId :

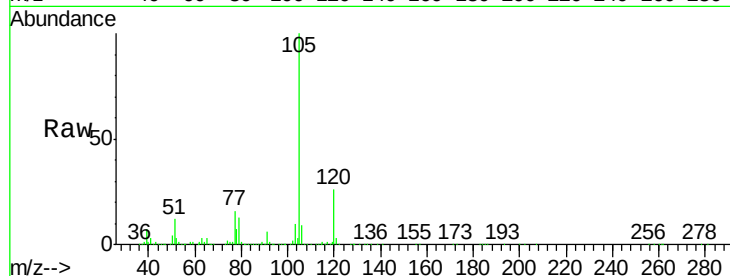
Tot Ion:105 Resp: 2602931

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

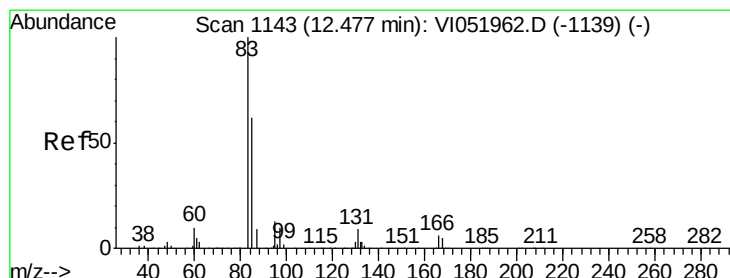
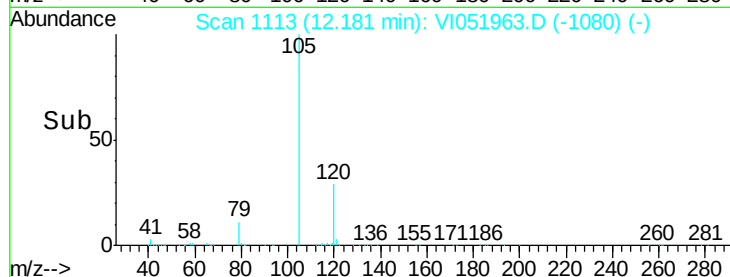
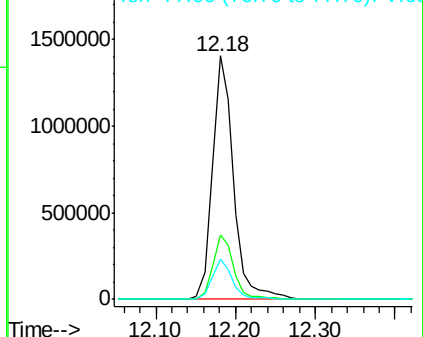
77 15.9 12.7 19.1



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: 51.75 ug/L

RT: 12.48 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

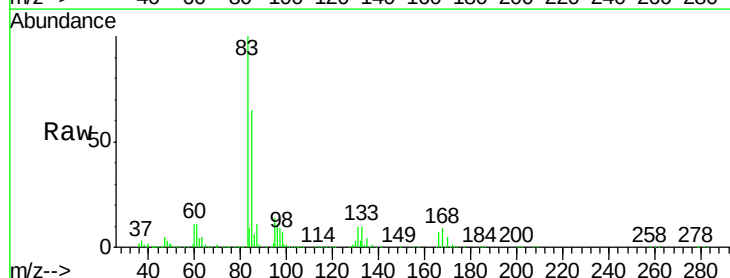
Tgt Ion: 83 Resp: 784295

Ion Ratio Lower Upper

83 100

85 64.7 43.4 80.6

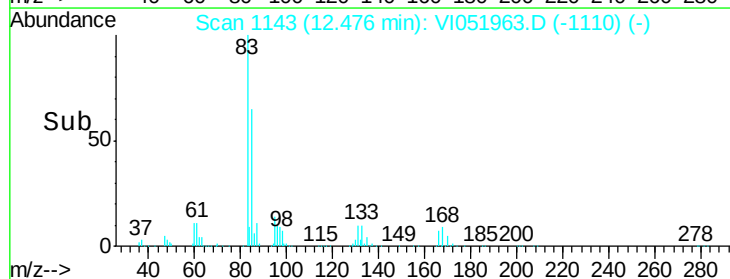
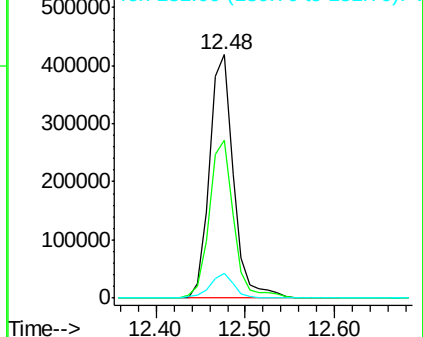
131 10.4 7.4 11.2

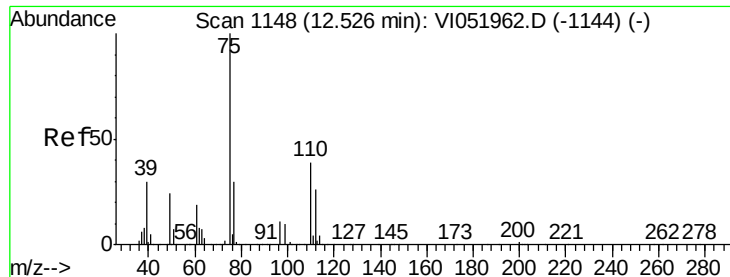


Abundance Ion 83.00 (82.70 to 83.70): VI05

Ion 85.00 (84.70 to 85.70): VI05

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 45.39 ug/L

RT: 12.53 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

Instrument :

BNA_F

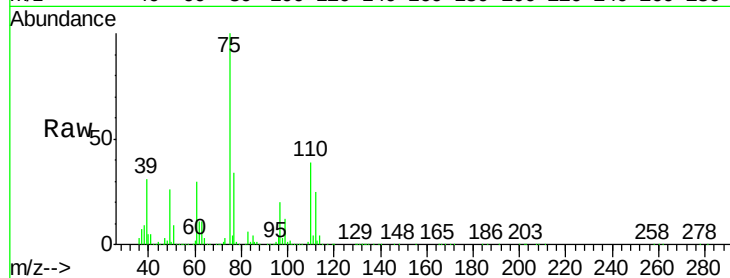
ClientSampleId :

Tot Ion: 75 Resp: 426799

Ion Ratio Lower Upper

75 100

77 34.0 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

250000

200000

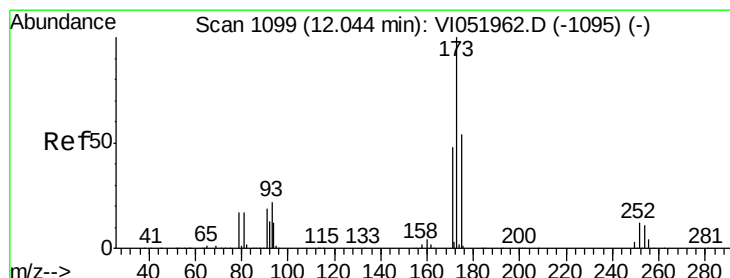
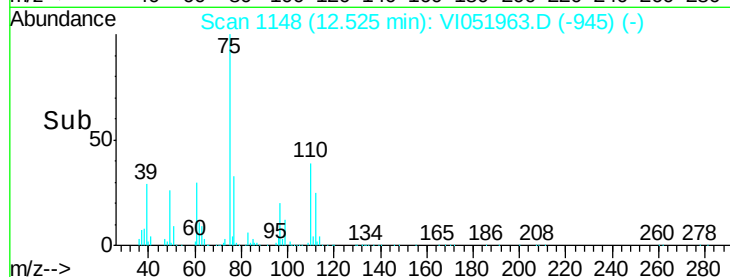
150000

100000

50000

0

Time-->



#62

Bromoform

Concen: 44.25 ug/L

RT: 12.04 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

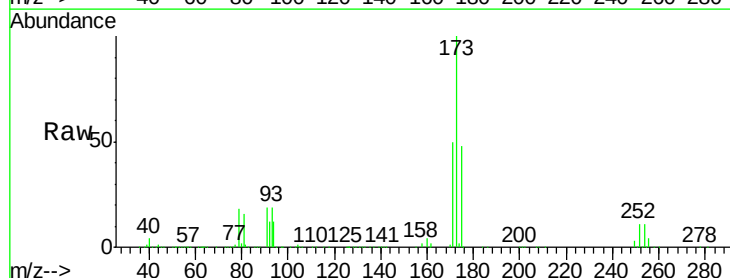
Tgt Ion: 173 Resp: 295996

Ion Ratio Lower Upper

173 100

175 48.1 40.6 61.0

254 0.0 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

200000

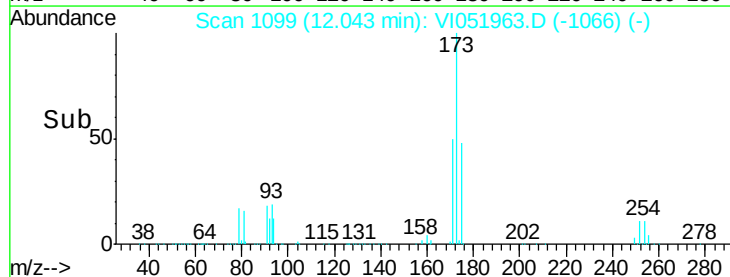
150000

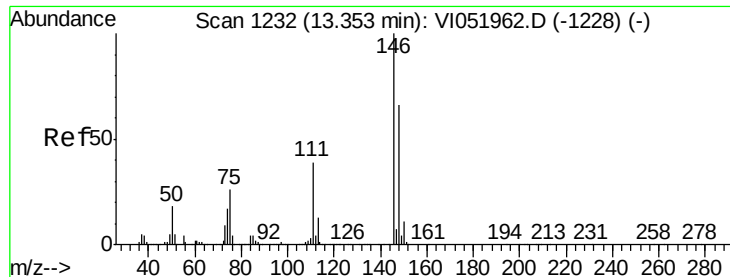
100000

50000

0

Time-->

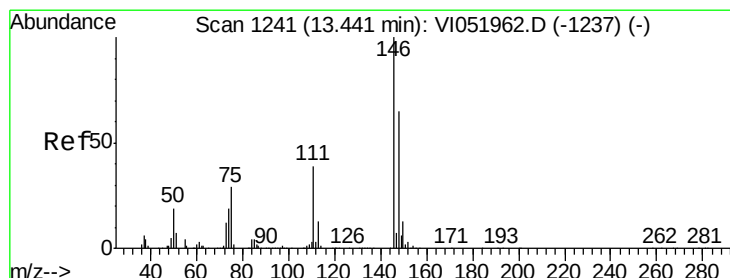
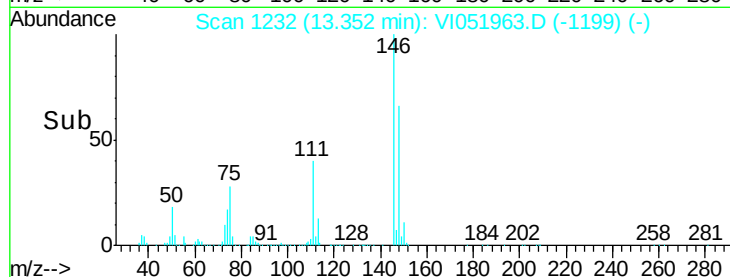
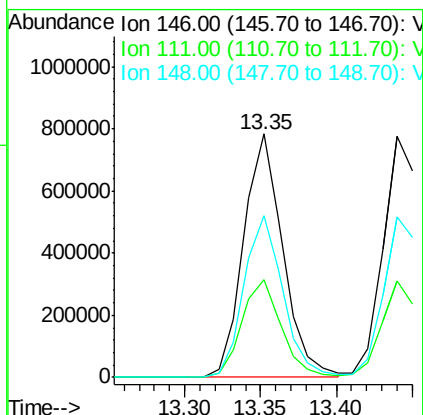
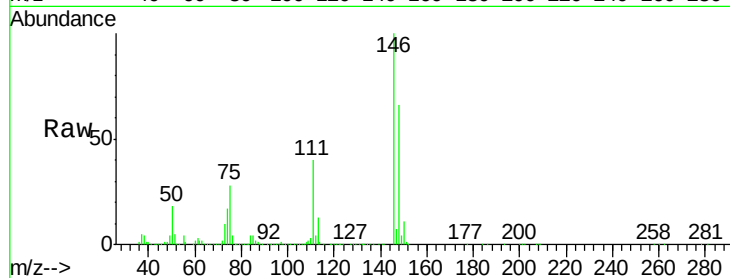




#63
 1,3-Dichlorobenzene
 Concen: 50.85 ug/L
 RT: 13.35 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VI051963.D
 Acq: 24 Aug 2017 16:34

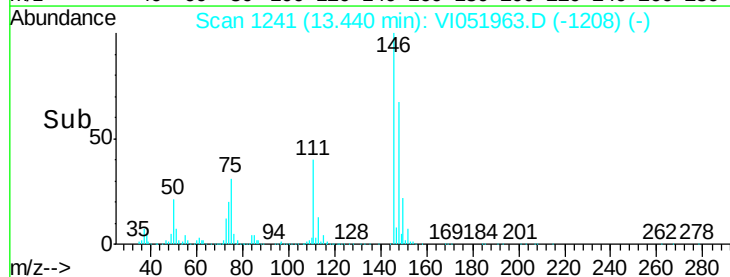
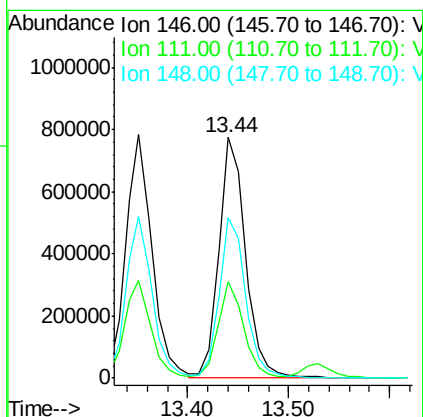
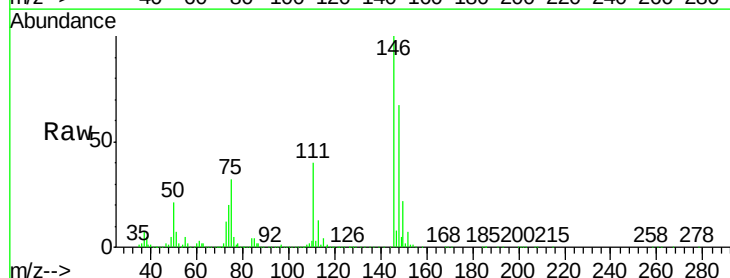
Instrument :
 BNA_F
 ClientSampleId :

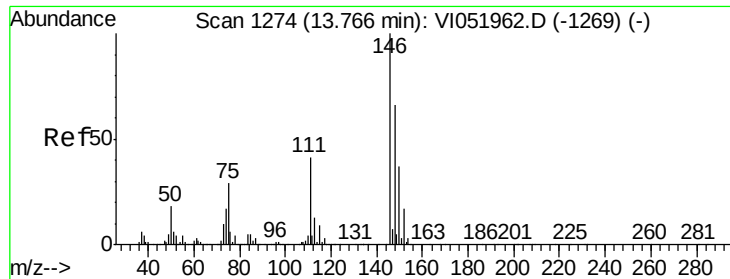
Tot Ion:146 Resp: 1417730
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.4 50.8
 148 66.3 46.3 85.9



#64
 1,4-Dichlorobenzene
 Concen: 50.04 ug/L
 RT: 13.44 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VI051963.D
 Acq: 24 Aug 2017 16:34

Tgt Ion:146 Resp: 1416335
 Ion Ratio Lower Upper
 146 100
 111 40.3 27.8 51.6
 148 66.7 45.9 85.3

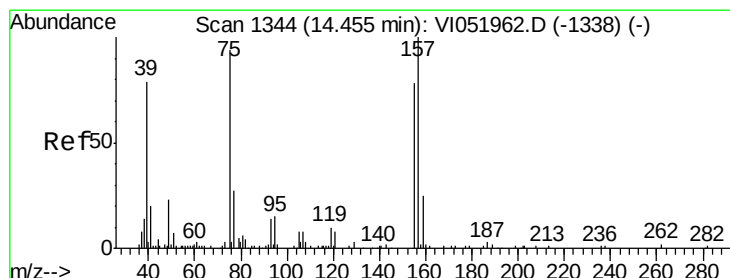
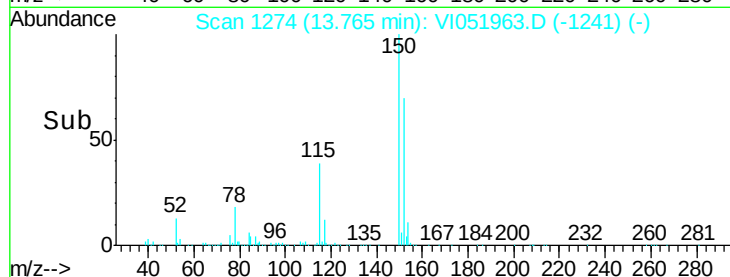
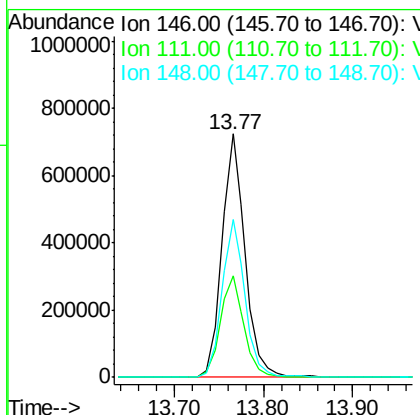
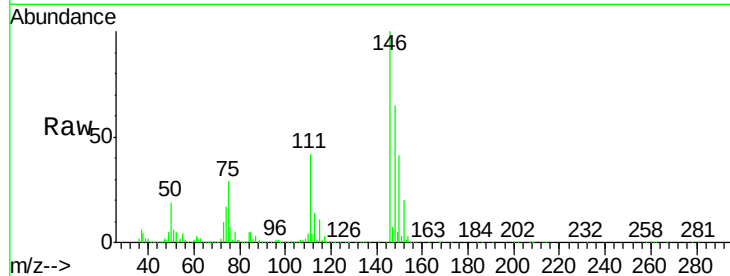




#65
 1,2-Dichlorobenzene
 Concen: 49.48 ug/L
 RT: 13.77 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VI051963.D
 Acq: 24 Aug 2017 16:34

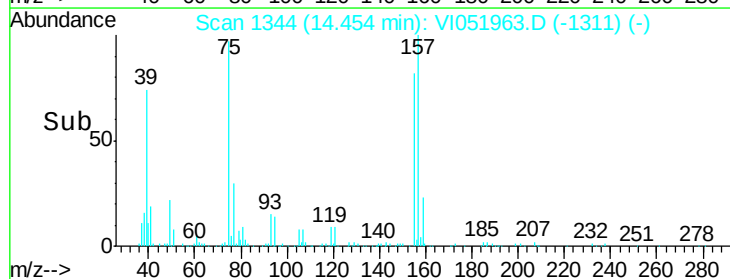
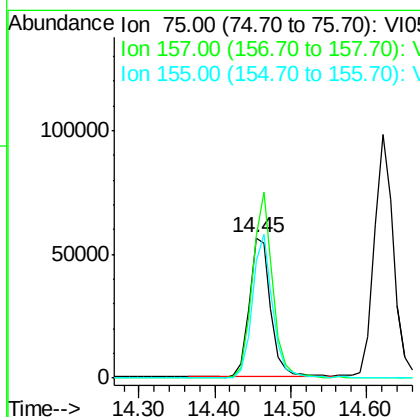
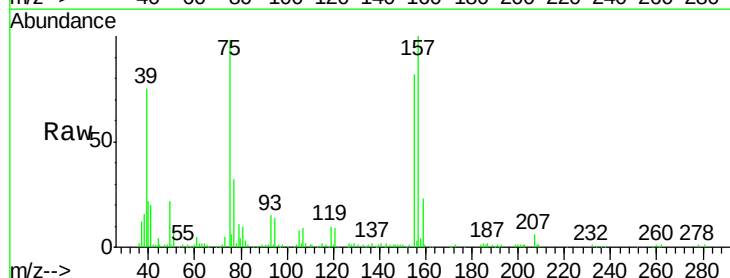
Instrument :
 BNA_F
 ClientSampled :

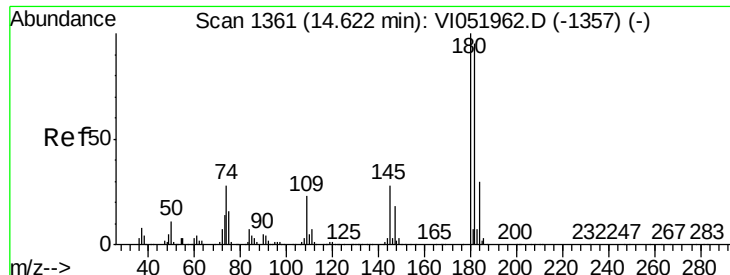
Tot Ion:146 Resp: 1310217
 Ion Ratio Lower Upper
 146 100
 111 41.9 32.8 49.2
 148 64.9 52.7 79.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 44.75 ug/L
 RT: 14.45 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VI051963.D
 Acq: 24 Aug 2017 16:34

Tgt Ion: 75 Resp: 111502
 Ion Ratio Lower Upper
 75 100
 157 101.9 83.9 125.9
 155 83.6 64.6 97.0

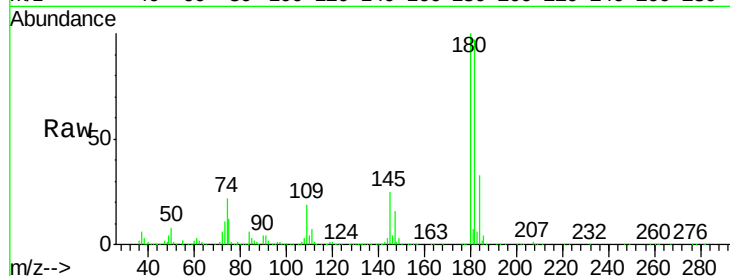




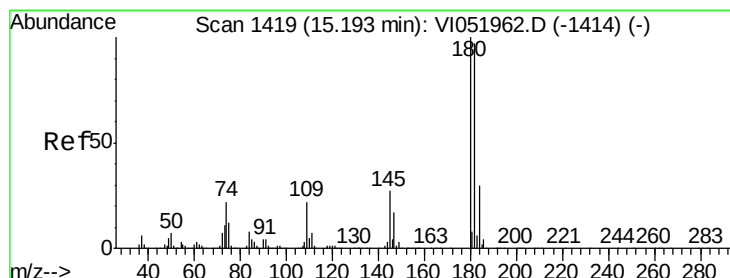
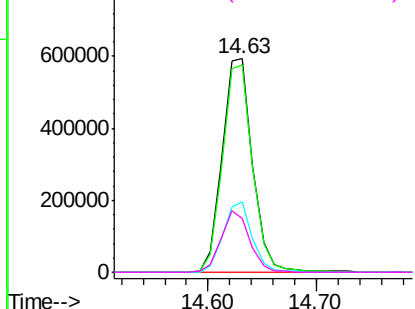
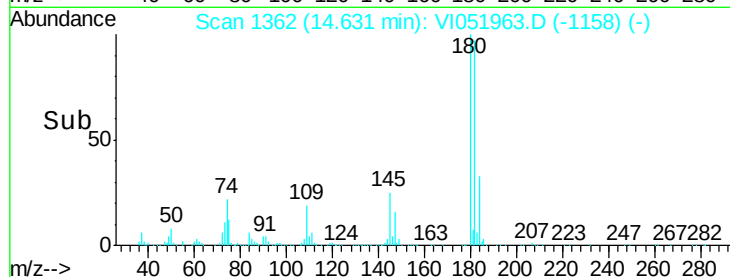
#67
 1,3,5-Trichlorobenzene
 Concen: 49.49 ug/L
 RT: 14.63 min Scan# 1362
 Delta R.T. 0.01 min
 Lab File: VI051963.D
 Acq: 24 Aug 2017 16:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:180 Resp: 1151359
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.7 116.5
 184 31.4 24.5 36.7
 145 27.1 21.7 32.5

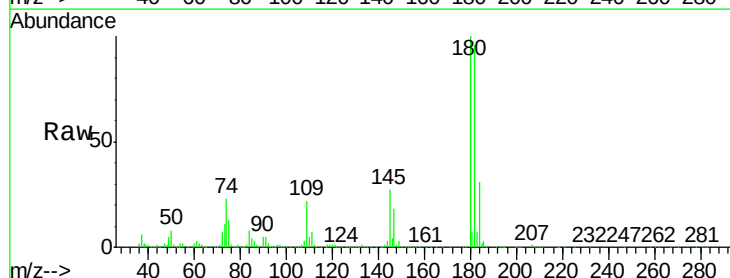


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

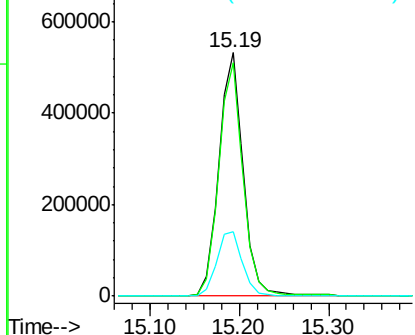
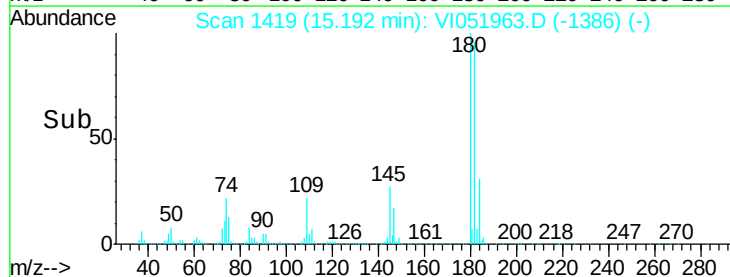


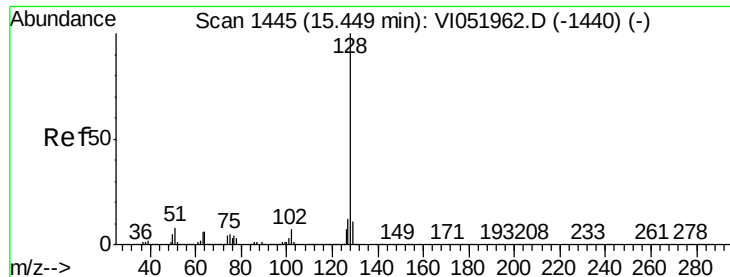
#68
 1,2,4-trichlorobenzene
 Concen: 53.40 ug/L
 RT: 15.19 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: VI051963.D
 Acq: 24 Aug 2017 16:34

Tgt Ion:180 Resp: 1017954
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.0 115.4
 145 27.7 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: 56.79 ug/L

RT: 15.45 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

Instrument :

BNA_F

ClientSampleId :

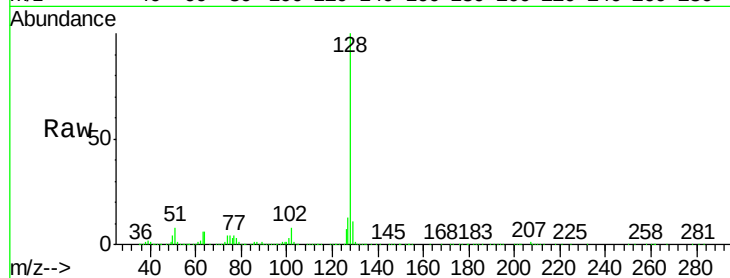
Tot Ion:128 Resp: 1810342

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

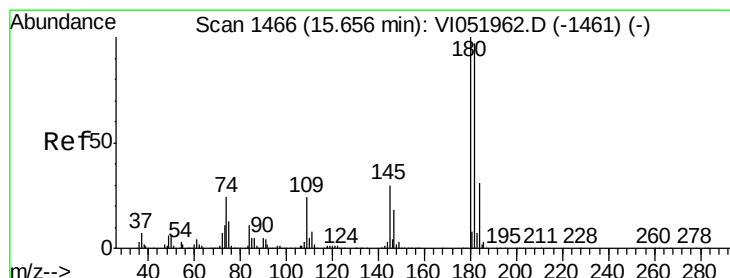
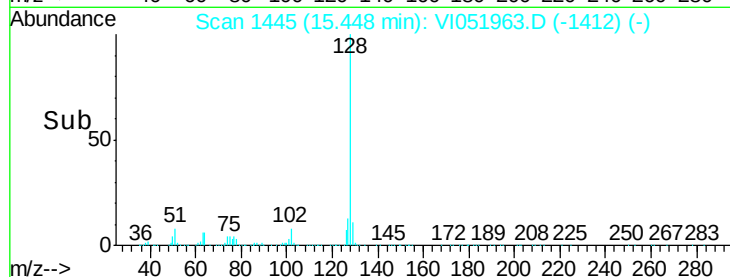
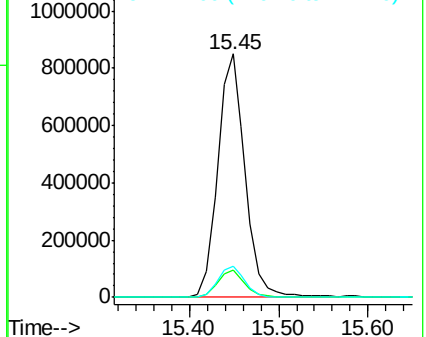
127 12.7 9.8 14.8



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: 54.87 ug/L

RT: 15.65 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VI051963.D

Acq: 24 Aug 2017 16:34

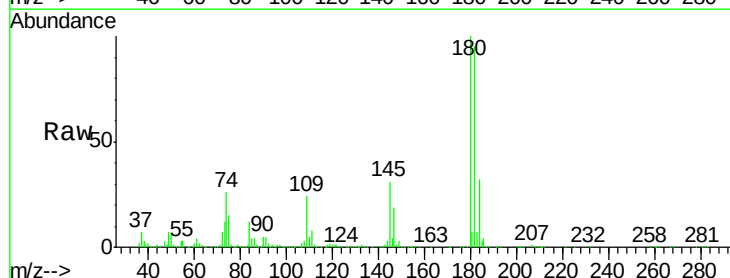
Tgt Ion:180 Resp: 899597

Ion Ratio Lower Upper

180 100

182 95.8 78.2 117.4

145 30.3 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

