

Data Path : W:\HPCHEM1\MSVOA I\DATA\VI082417\
 Data File : VI051962.D
 Acq On : 24 Aug 2017 16:06
 Operator : FY/SY
 Sample : VSTD02533
 Misc : 5.00g/10mL/MSVOA I/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 25 08:16:10 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	720703	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.21	117	812428	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	385203	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.70	65	217440	23.61	ug/L	0.00
7) Chloroethane-d5	2.08	69	136067	22.96	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.93	63	453487	23.49	ug/L	0.00
20) 2-Butanone-d5	5.66	46	166777	52.54	ug/L	0.00
24) Chloroform-d	6.36	84	433092	23.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.22	65	221113	22.52	ug/L	0.00
29) Benzene-d6	7.16	84	802645	24.25	ug/L	0.00
33) 1,2-Dichloropropane-d6	8.43	67	265201	24.11	ug/L	0.00
37) Toluene-d8	9.69	98	924362	24.67	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.01	79	74063	18.65	ug/L	0.00
39) 2-Hexanone-d5	10.42	63	186278	47.84	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.45	84	344684	22.65	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.75	152	380866	23.80	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.43	85	261059	20.28	ug/L	100
3) Chloromethane	1.59	50	131609	9.17	ug/L	100
5) Vinyl chloride	1.70	62	238623	23.35	ug/L	100
6) Bromomethane	2.01	94	143295	20.83	ug/L	100
8) Chloroethane	2.11	64	115564	23.60	ug/L	100
9) Trichlorofluoromethane	2.37	101	355670	21.93	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.96	101	203463	23.36	ug/L	100
12) 1,1-Dichloroethene	2.94	96	196265	24.23	ug/L	100
13) Acetone	2.98	43	143060	44.39	ug/L	100
14) Carbon disulfide	3.20	76	669171	23.19	ug/L	100
15) Methyl Acetate	3.39	43	149718	23.14	ug/L	100
16) Methylene chloride	3.58	84	245033	22.23	ug/L	100
17) Methyl tert-butyl Ether	3.97	73	523516	24.97	ug/L	100
18) trans-1,2-Dichloroethene	3.98	96	205993	24.43	ug/L	100
19) 1,1-Dichloroethane	4.70	63	416893	24.95	ug/L	100
21) 2-Butanone	5.76	43	189332	45.85	ug/L	100
22) cis-1,2-Dichloroethene	5.76	96	242062	23.72	ug/L	100
23) Bromochloromethane	6.19	128	120504	25.59	ug/L	100
25) Chloroform	6.40	83	448697	24.00	ug/L	100
27) 1,2-Dichloroethane	7.34	62	330451	23.66	ug/L	100
30) Cyclohexane	6.75	56	343912	23.80	ug/L	100
31) 1,1,1-Trichloroethane	6.64	97	277192	21.04	ug/L	100
32) Carbon tetrachloride	6.89	117	76339	16.25	ug/L	100
34) Benzene	7.23	78	846974	24.59	ug/L	100
35) Trichloroethene	8.22	95	294654	23.96	ug/L	100
36) Methylcyclohexane	8.50	83	377230	23.15	ug/L	100
40) 1,2-Dichloropropane	8.54	63	250198	24.49	ug/L	100
41) Bromodichloromethane	8.88	83	199438	20.22	ug/L	100
42) cis-1,3-Dichloropropene	9.40	75	201447	19.14	ug/L	100
43) 4-Methyl-2-pentanone	9.57	43	638520	50.01	ug/L	100

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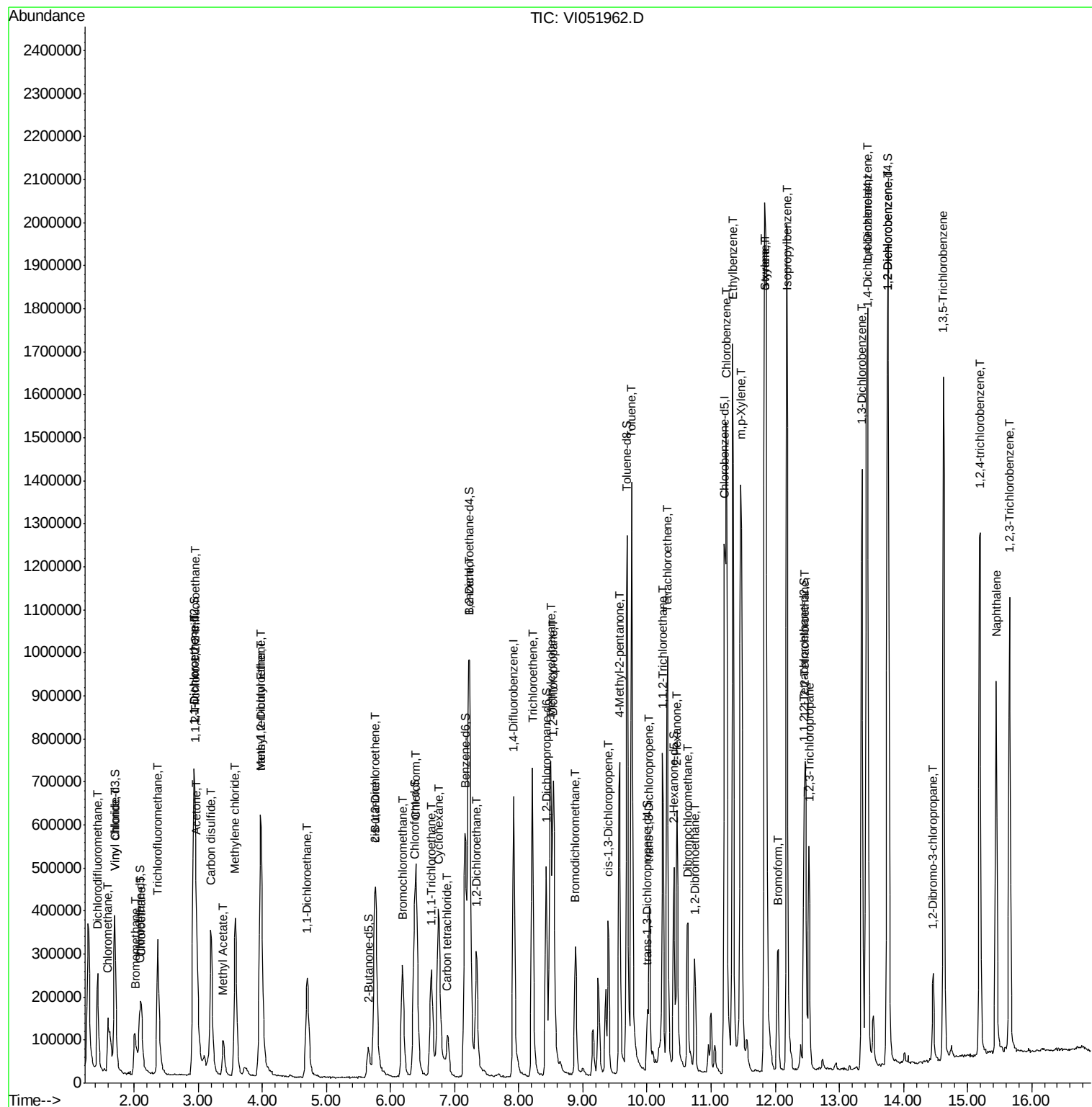
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	9.76	91	1144833	24.65	ug/L	100
45) trans-1,3-Dichloropropene	10.04	75	191949	20.16	ug/L	100
46) 1,1,2-Trichloroethane	10.24	97	249433	23.55	ug/L	100
47) Tetrachloroethene	10.32	164	273984	22.93	ug/L	100
49) 2-Hexanone	10.47	43	484159	51.62	ug/L	100
50) Dibromochloromethane	10.64	129	191438	21.15	ug/L	100
51) 1,2-Dibromoethane	10.74	107	183925	22.24	ug/L	100
52) Chlorobenzene	11.24	112	869793	23.96	ug/L	100
53) Ethylbenzene	11.34	91	1349379	24.17	ug/L	100
54) m,p-Xylene	11.46	106	531794	22.89	ug/L	100
55) o-xylene	11.84	106	518435	23.12	ug/L	100
56) Styrene	11.86	104	873958	23.42	ug/L	100
57) Isopropylbenzene	12.18	105	1373522	23.96	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.48	83	368621	23.02	ug/L	100
59) 1,2,3-Trichloropropane	12.53	75	219417	22.08	ug/L	100
62) Bromoform	12.04	173	147564	22.27	ug/L #	100
63) 1,3-Dichlorobenzene	13.35	146	655456	23.74	ug/L	100
64) 1,4-Dichlorobenzene	13.44	146	667661	23.82	ug/L	100
65) 1,2-Dichlorobenzene	13.77	146	642107	24.49	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.46	75	56144	22.75	ug/L	100
67) 1,3,5-Trichlorobenzene	14.62	180	597064	25.91	ug/L	100
68) 1,2,4-trichlorobenzene	15.19	180	508420	26.93	ug/L	100
69) Naphthalene	15.45	128	901823	28.57	ug/L	100
70) 1,2,3-Trichlorobenzene	15.66	180	433881	26.72	ug/L	100

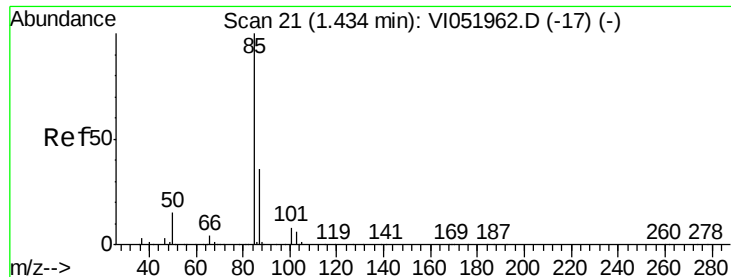
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.28 ug/L

RT: 1.43 min Scan# 21

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

Instrument :

BNA_F

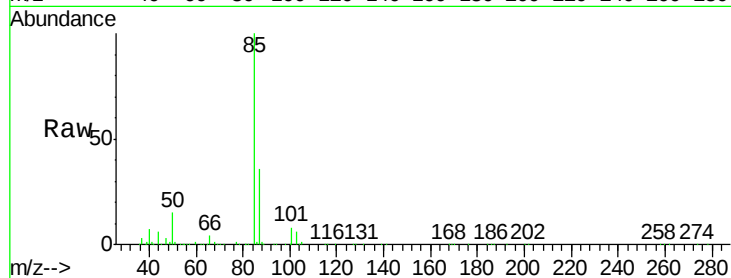
ClientSampleId :

Tot Ion: 85 Resp: 261059

Ion Ratio Lower Upper

85 100

87 32.6 22.8 42.4



Abundance Ion 85.00 (84.70 to 85.70): VI051962.D (-17) (-)

Ion 87.00 (86.70 to 87.70): VI051962.D (-17) (-)

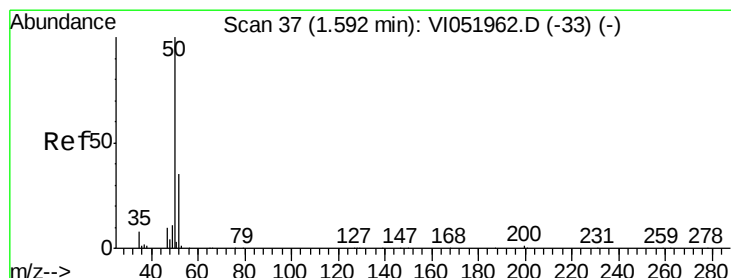
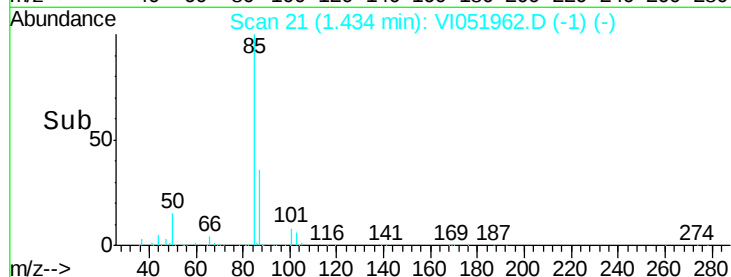
1.43

100000

50000

0

Time-->



#3

Chloromethane

Concen: 9.17 ug/L

RT: 1.59 min Scan# 37

Delta R.T. 0.00 min

Lab File: VI051962.D

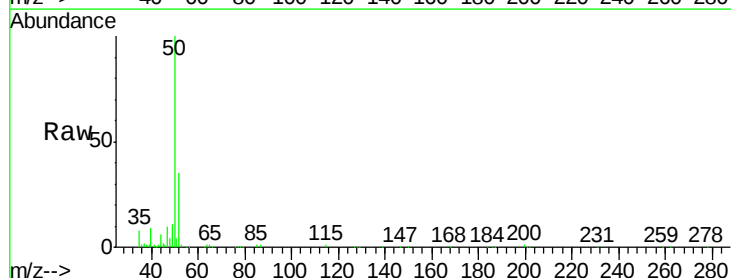
Acq: 24 Aug 2017 16:06

Tgt Ion: 50 Resp: 131609

Ion Ratio Lower Upper

50 100

52 34.6 24.2 45.0



Abundance Ion 50.00 (49.70 to 50.70): VI051962.D (-33) (-)

Ion 52.00 (51.70 to 52.70): VI051962.D (-33) (-)

1.59

80000

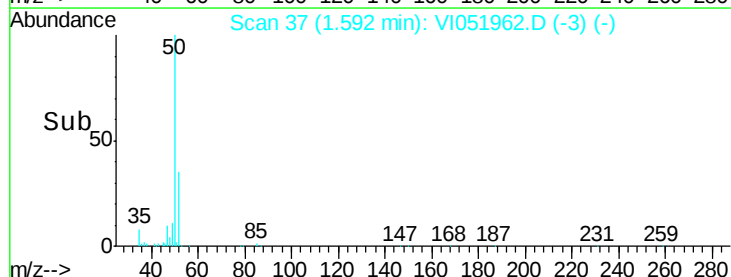
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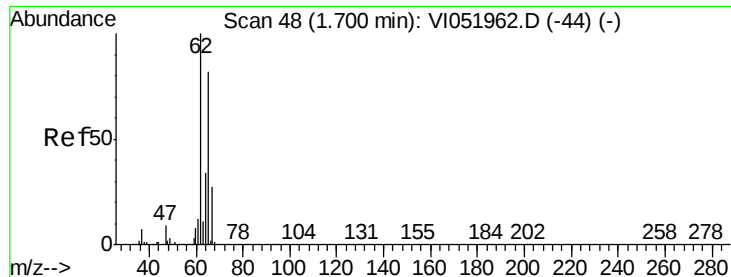
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 23.35 ug/L

RT: 1.70 min Scan# 48

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

Instrument :

BNA_F

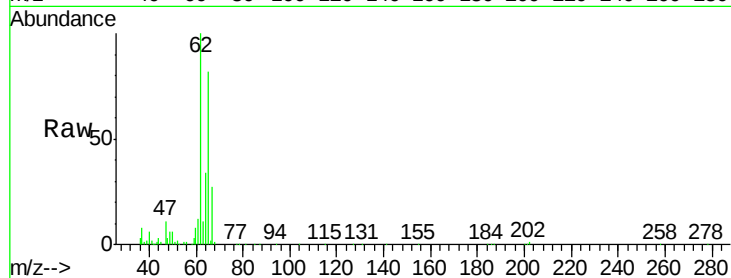
ClientSampleId :

Tot Ion: 62 Resp: 238623

Ion Ratio Lower Upper

62 100

64 34.2 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VI051962.D (-44) (-)

Ion 64.00 (63.70 to 64.70): VI051962.D (-44) (-)

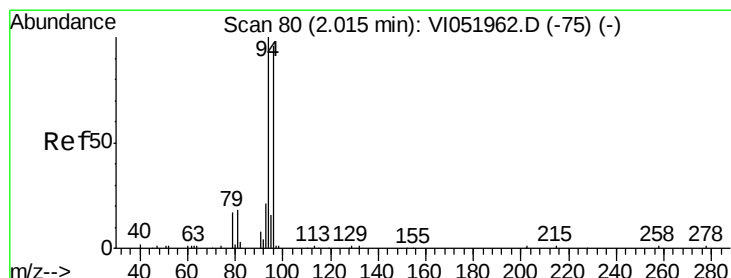
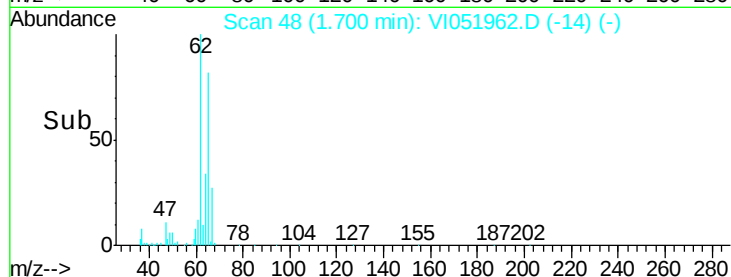
1.70

100000

50000

0

Time-->



#6

Bromomethane

Concen: 20.83 ug/L

RT: 2.01 min Scan# 80

Delta R.T. 0.00 min

Lab File: VI051962.D

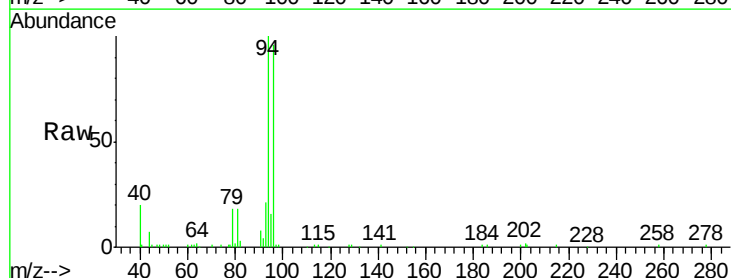
Acq: 24 Aug 2017 16:06

Tgt Ion: 94 Resp: 143295

Ion Ratio Lower Upper

94 100

96 100.1 10.0 190.2



Abundance Ion 94.00 (93.70 to 94.70): VI051962.D (-75) (-)

Ion 96.00 (95.70 to 96.70): VI051962.D (-75) (-)

2.01

40000

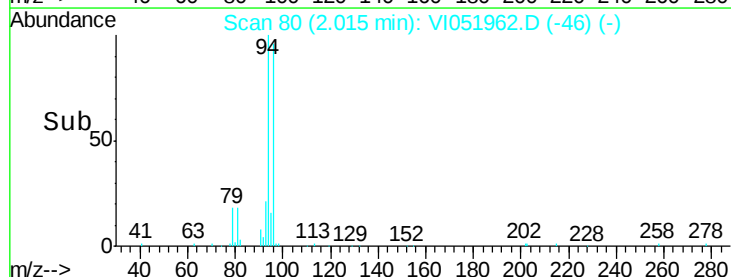
30000

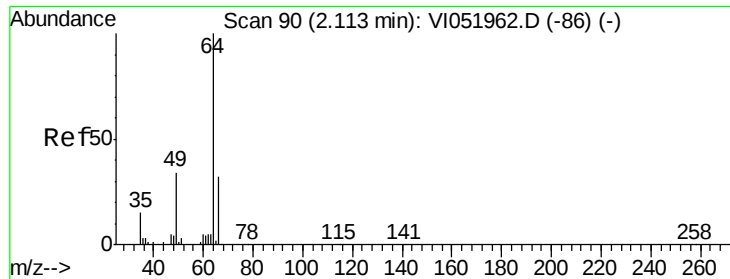
20000

10000

0

Time-->

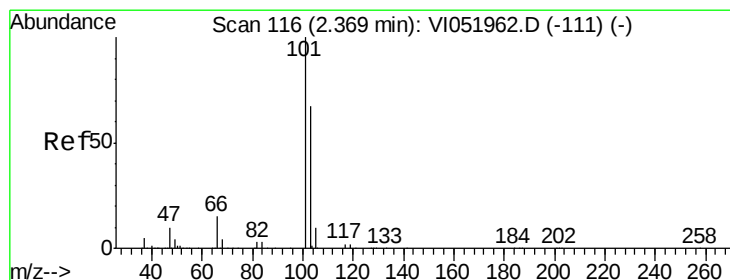
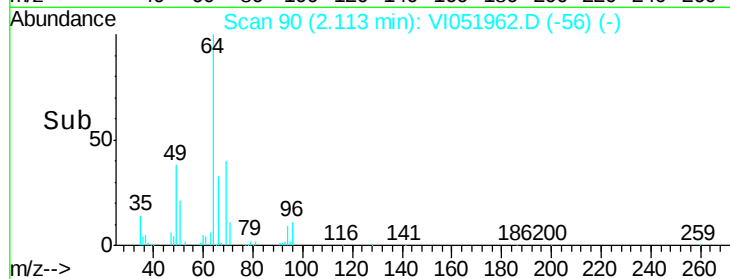
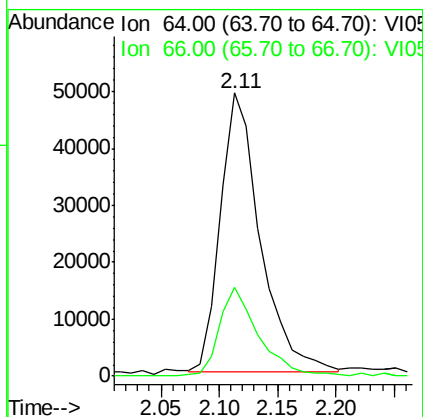
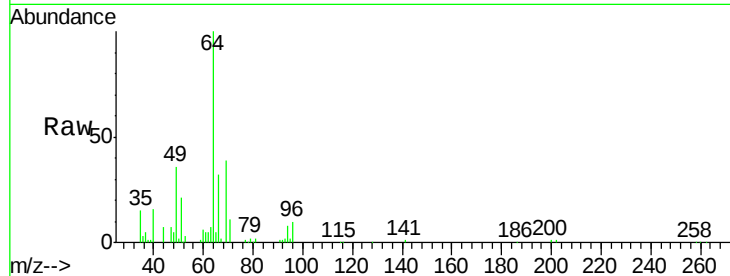




#8
Chloroethane
Concen: 23.60 ug/L
RT: 2.11 min Scan# 90
Delta R.T. 0.00 min
Lab File: VI051962.D
Acq: 24 Aug 2017 16:06

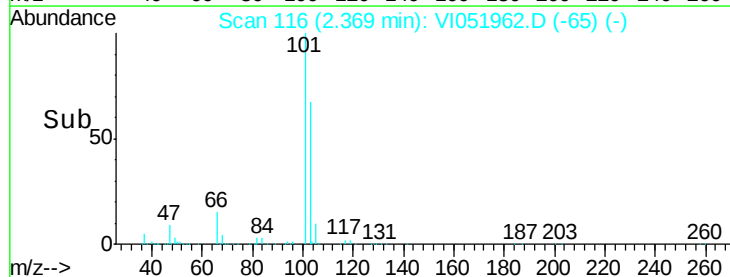
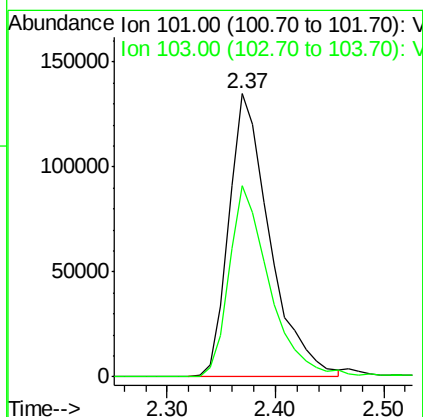
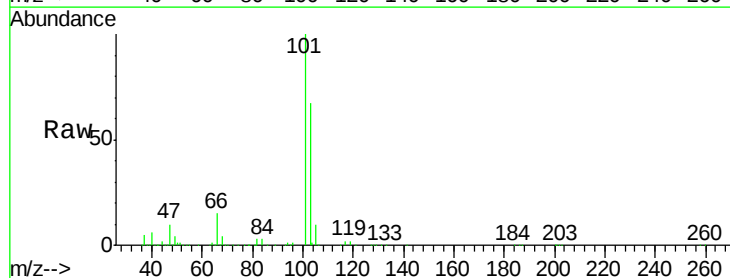
Instrument :
BNA_F
ClientSampleId :

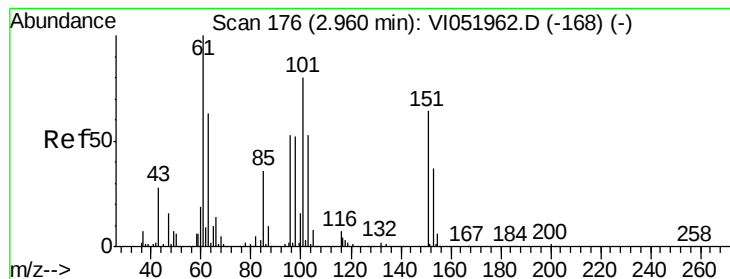
Tot Ion: 64 Resp: 115564
Ion Ratio Lower Upper
64 100
66 31.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 21.93 ug/L
RT: 2.37 min Scan# 116
Delta R.T. 0.00 min
Lab File: VI051962.D
Acq: 24 Aug 2017 16:06

Tgt Ion:101 Resp: 355670
Ion Ratio Lower Upper
101 100
103 66.0 46.2 85.8





#11

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

Concen: 23.36 ug/L

RT: 2.96 min Scan# 176

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

Instrument :

BNA_F

ClientSampleId :

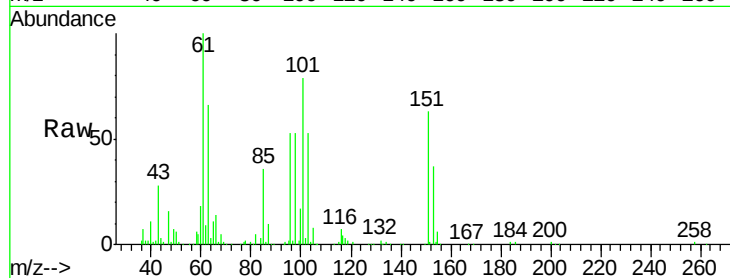
Tot Ion:101 Resp: 203463

Ion Ratio Lower Upper

101 100

85 44.0 35.2 52.8

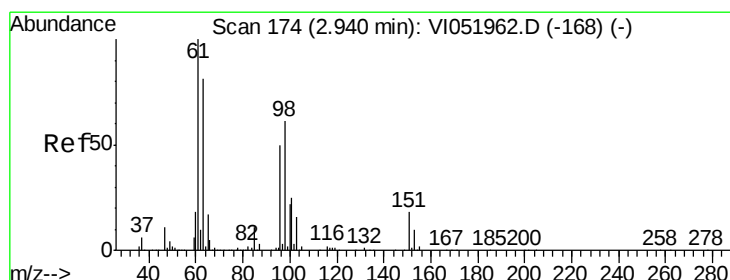
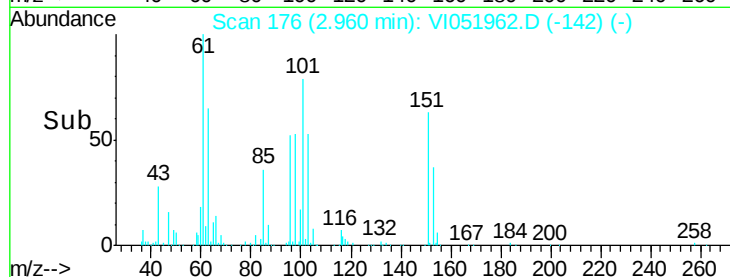
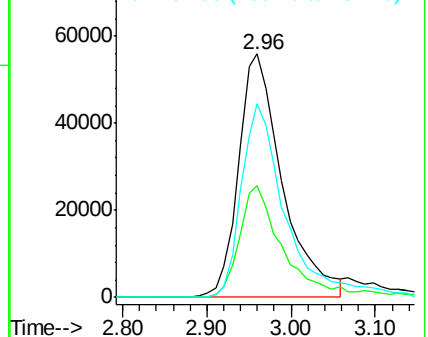
151 80.3 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VI05

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.23 ug/L

RT: 2.94 min Scan# 174

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

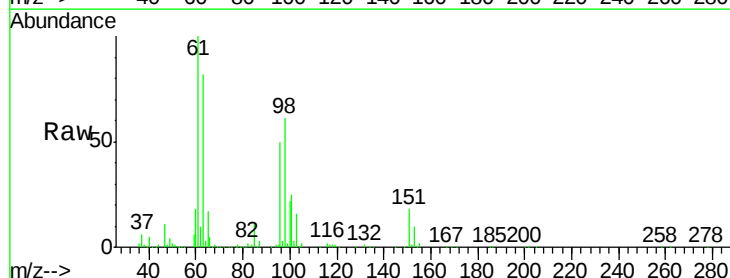
Tgt Ion: 96 Resp: 196265

Ion Ratio Lower Upper

96 100

61 199.1 139.4 258.8

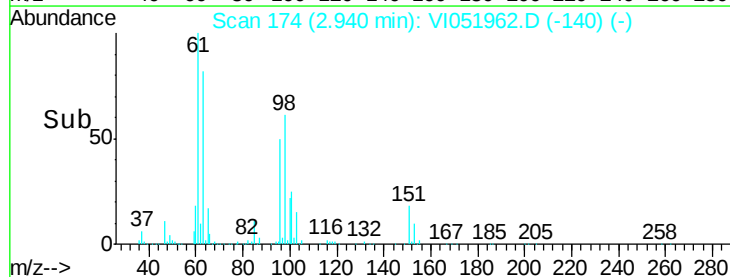
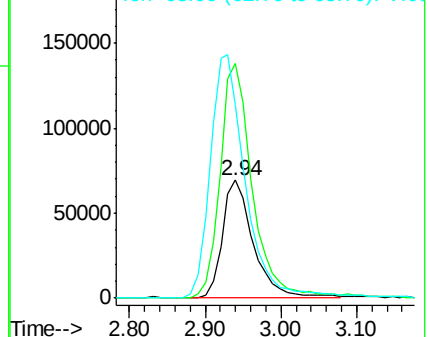
63 163.9 114.7 213.1

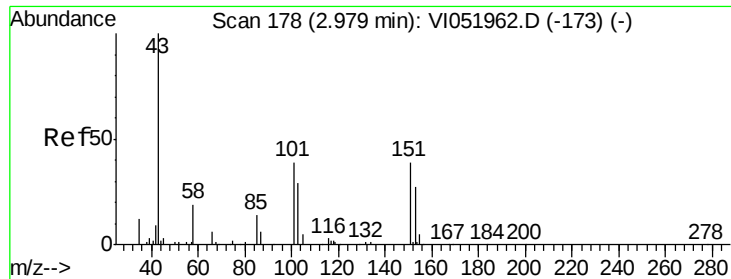


Abundance Ion 96.00 (95.70 to 96.70): VI05

Ion 61.00 (60.70 to 61.70): VI05

Ion 63.00 (62.70 to 63.70): VI05





#13

Acetone

Concen: 44.39 ug/L

RT: 2.98 min Scan# 178

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

Instrument :

BNA_F

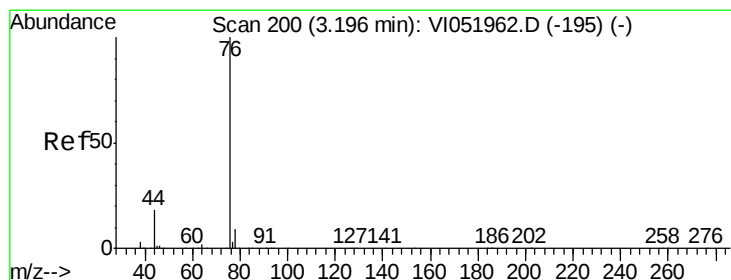
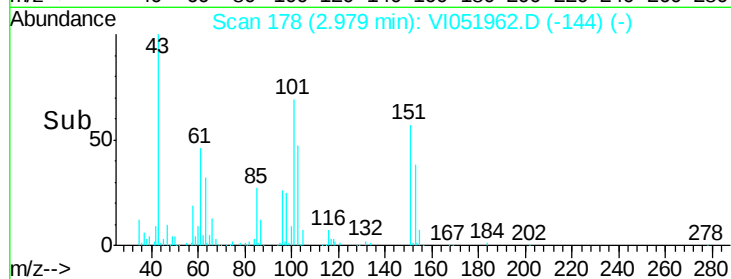
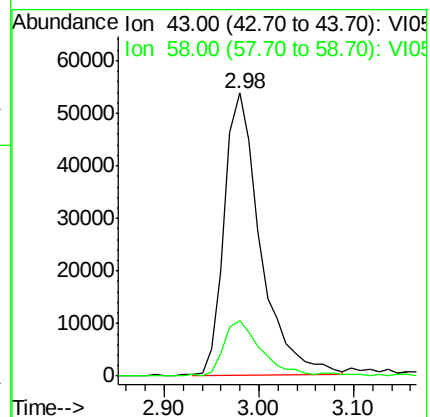
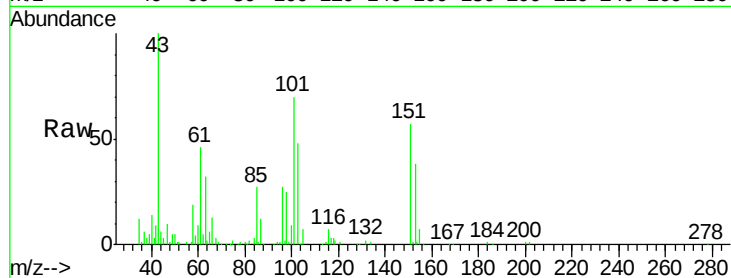
ClientSampleId :

Tot Ion: 43 Resp: 143060

Ion Ratio Lower Upper

43 100

58 20.1 0.0 40.2



#14

Carbon disulfide

Concen: 23.19 ug/L

RT: 3.20 min Scan# 200

Delta R.T. 0.00 min

Lab File: VI051962.D

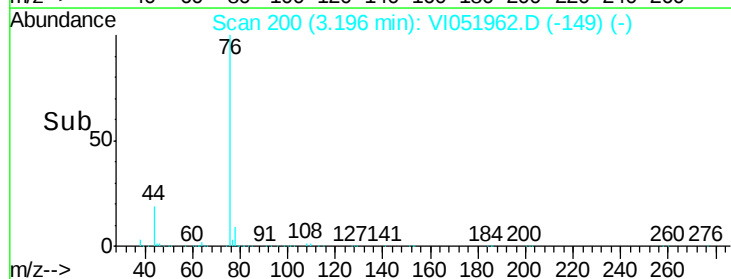
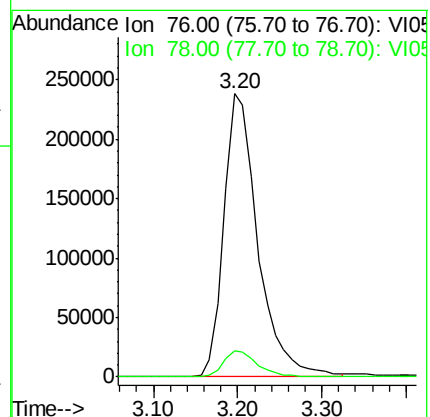
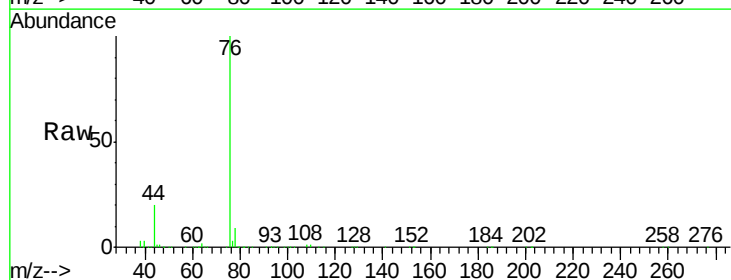
Acq: 24 Aug 2017 16:06

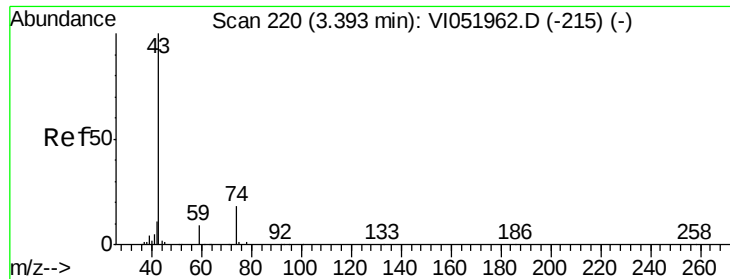
Tgt Ion: 76 Resp: 669171

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

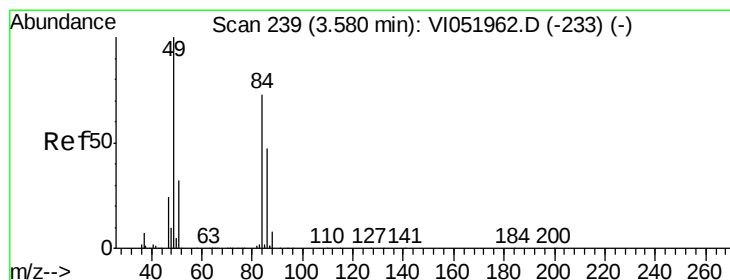
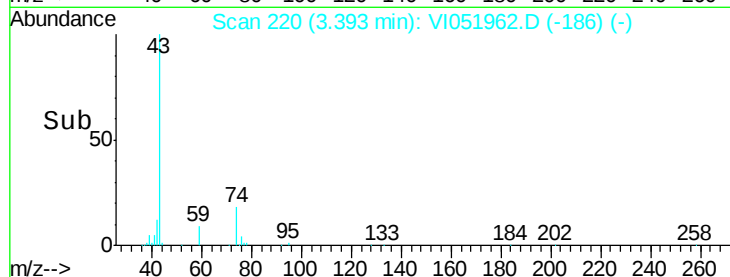
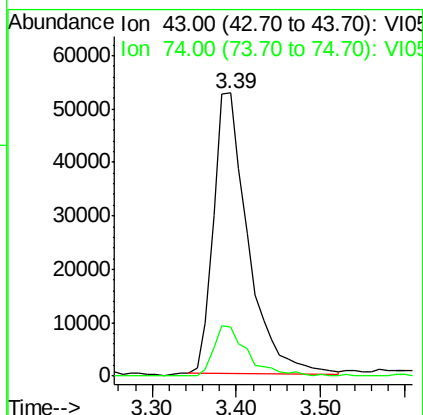
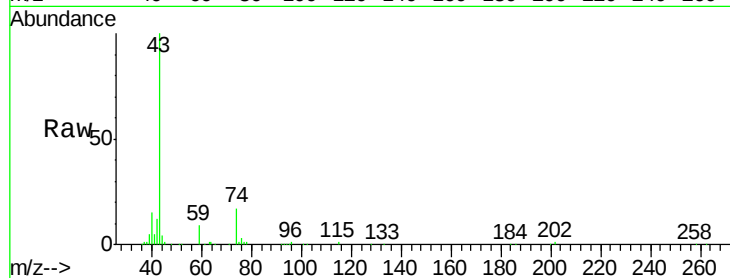




#15
Methyl Acetate
Concen: 23.14 ug/L
RT: 3.39 min Scan# 220
Delta R.T. 0.00 min
Lab File: VI051962.D
Acq: 24 Aug 2017 16:06

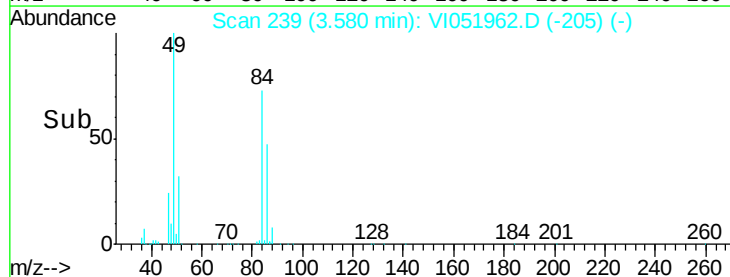
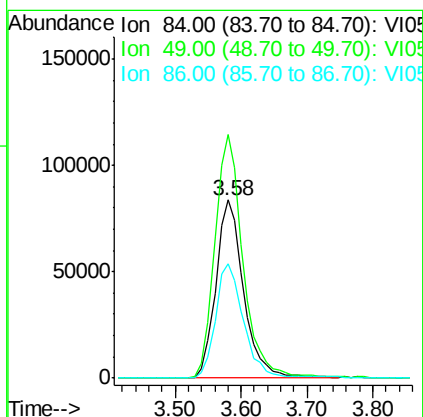
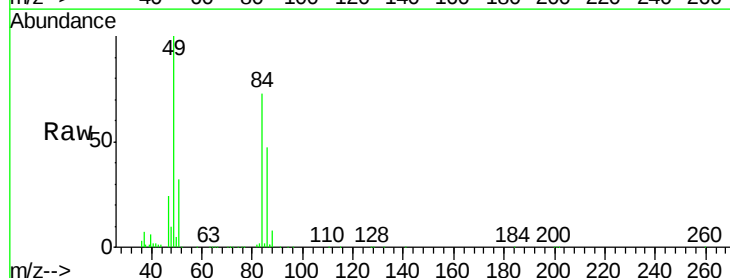
Instrument :
BNA_F
ClientSampleId :

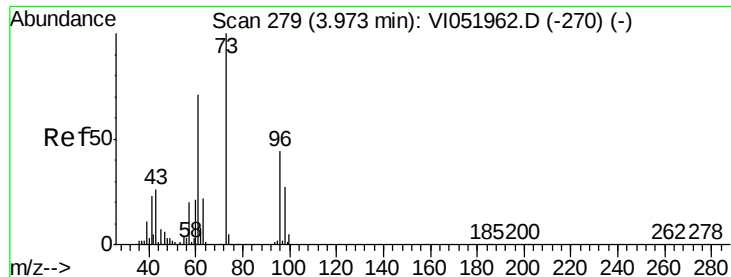
Tot Ion: 43 Resp: 149718
Ion Ratio Lower Upper
43 100
74 17.1 13.7 20.5



#16
Methylene chloride
Concen: 22.23 ug/L
RT: 3.58 min Scan# 239
Delta R.T. 0.00 min
Lab File: VI051962.D
Acq: 24 Aug 2017 16:06

Tgt Ion: 84 Resp: 245033
Ion Ratio Lower Upper
84 100
49 136.6 95.6 177.6
86 64.1 44.9 83.3

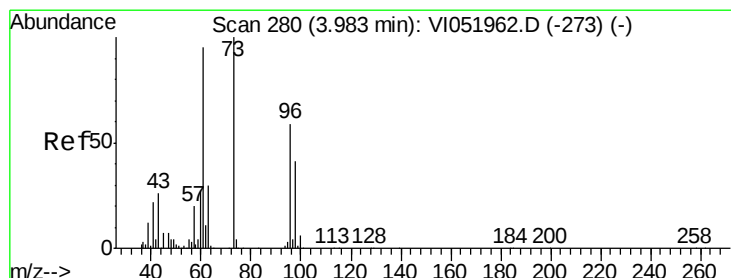
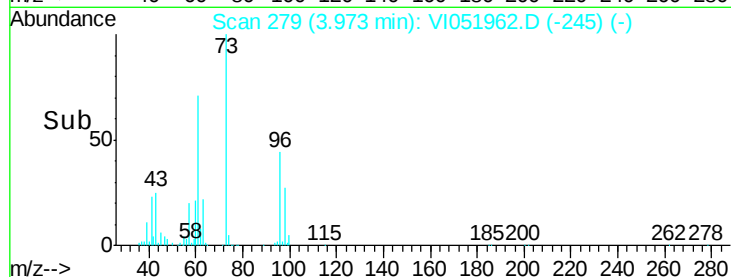
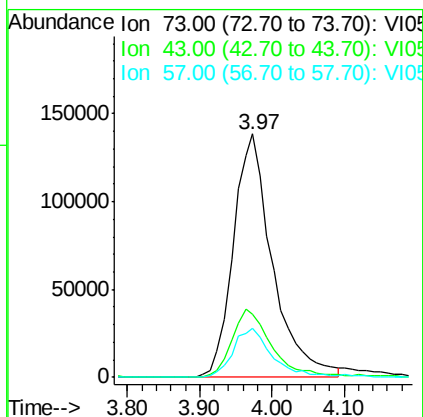
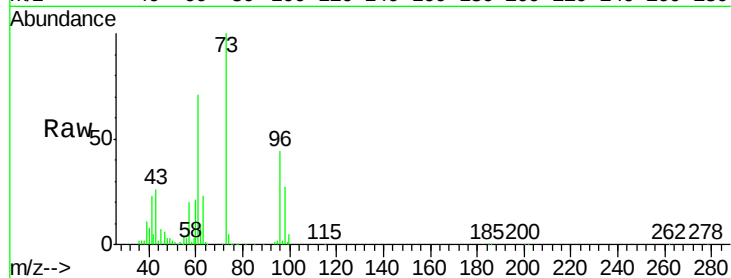




#17
Methvl tert-butvl Ether
Concen: 24.97 ug/L
RT: 3.97 min Scan# 279
Delta R.T. 0.00 min
Lab File: VI051962.D
Acq: 24 Aug 2017 16:06

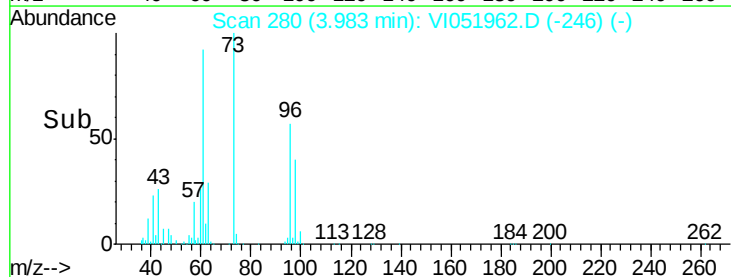
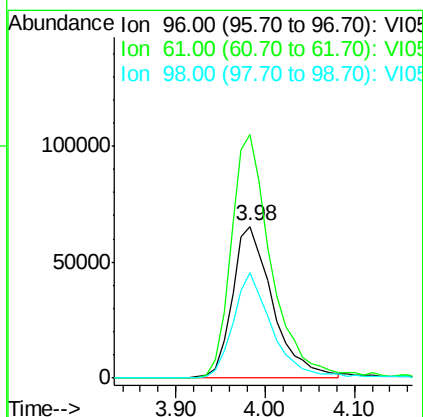
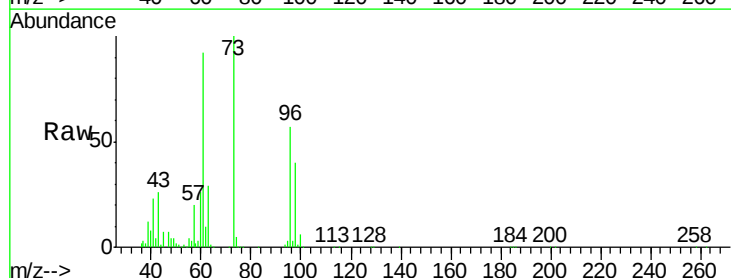
Instrument :
BNA_F
ClientSampleId :

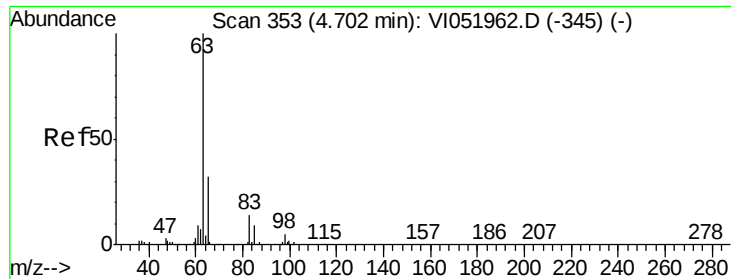
Tot Ion: 73 Resp: 523516
Ion Ratio Lower Upper
73 100
43 27.9 22.3 33.5
57 19.7 15.8 23.6



#18
trans-1,2-Dichloroethene
Concen: 24.43 ug/L
RT: 3.98 min Scan# 280
Delta R.T. 0.00 min
Lab File: VI051962.D
Acq: 24 Aug 2017 16:06

Tgt Ion: 96 Resp: 205993
Ion Ratio Lower Upper
96 100
61 160.2 112.1 208.3
98 69.3 48.5 90.1

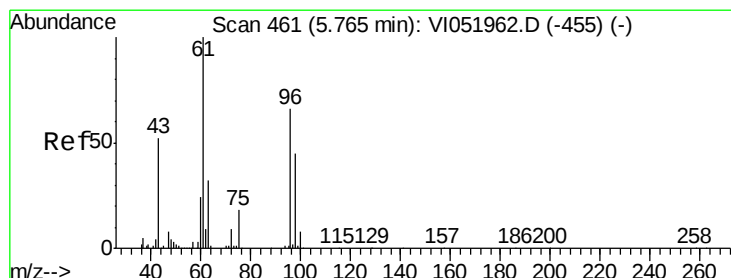
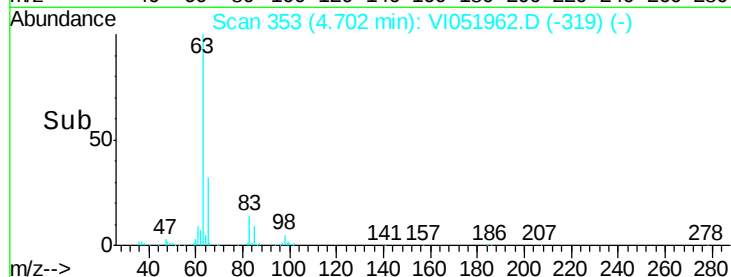
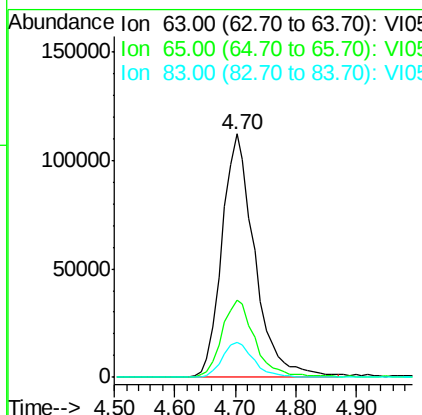
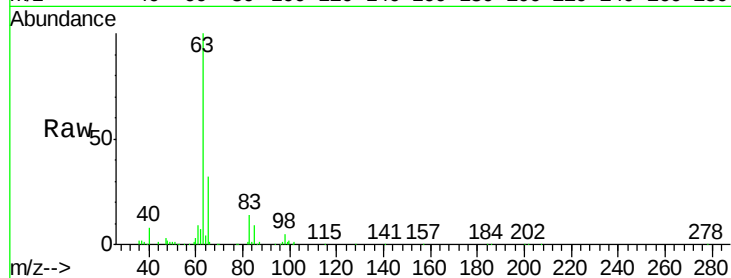




#19
 1,1-Dichloroethane
 Concen: 24.95 ug/L
 RT: 4.70 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VI051962.D
 Acq: 24 Aug 2017 16:06

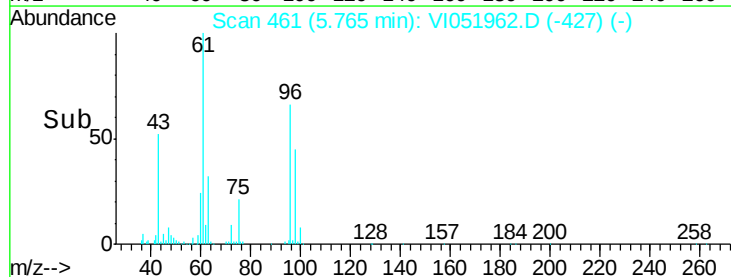
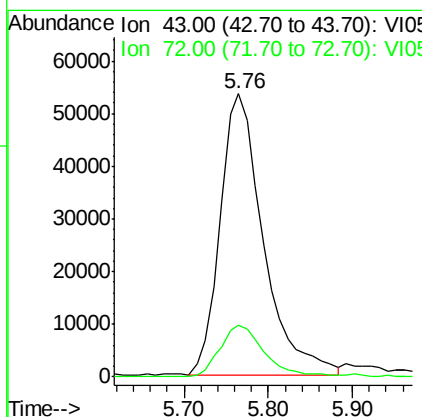
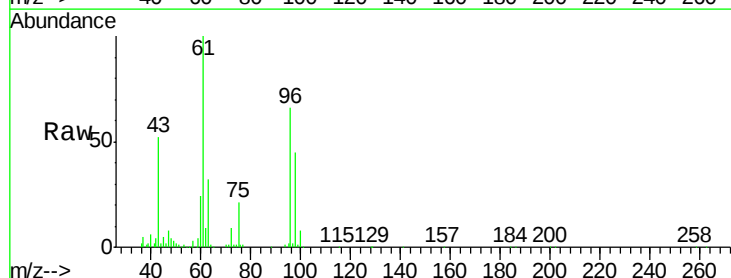
Instrument :
 BNA_F
 ClientSampleId :

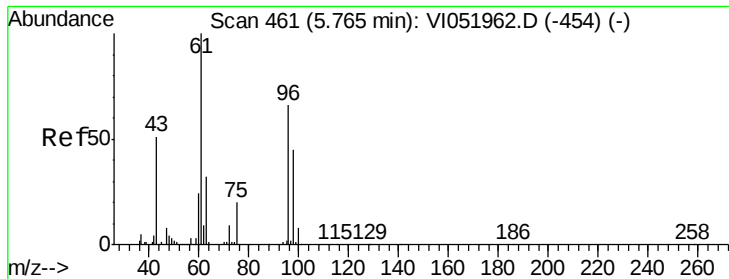
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.3	41.3
83	14.2	9.9	18.5



#21
 2-Butanone
 Concen: 45.85 ug/L
 RT: 5.76 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VI051962.D
 Acq: 24 Aug 2017 16:06

Tgt Ion	Ratio	Lower	Upper
43	100		
72	18.4	9.2	27.6



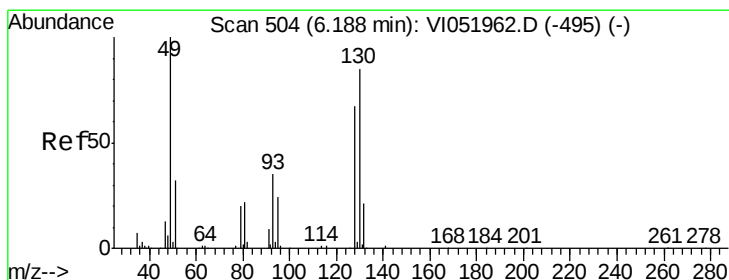
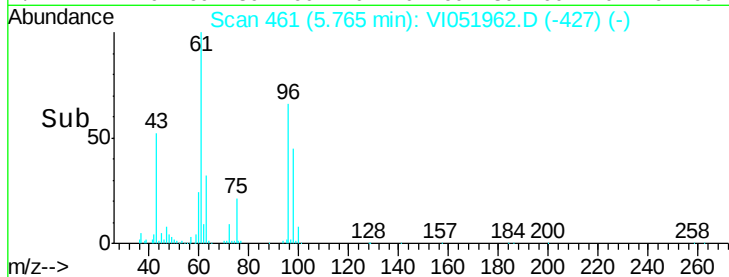
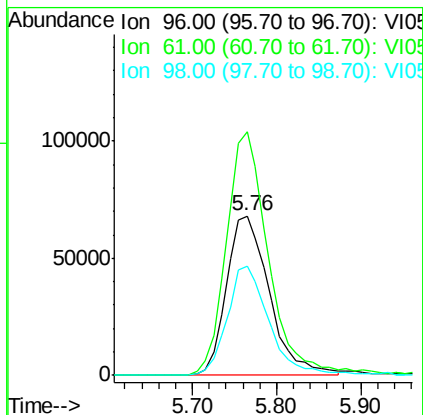
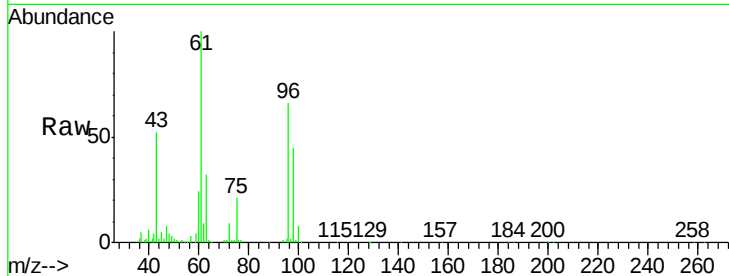


#22

cis-1,2-Dichloroethene
 Concen: 23.72 ug/L
 RT: 5.76 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VI051962.D
 Acq: 24 Aug 2017 16:06

Instrument :
 BNA_F
 ClientSampleId :

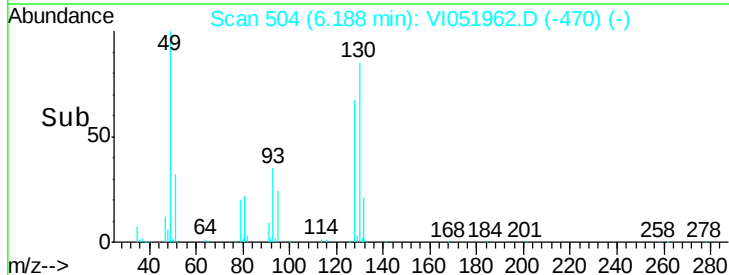
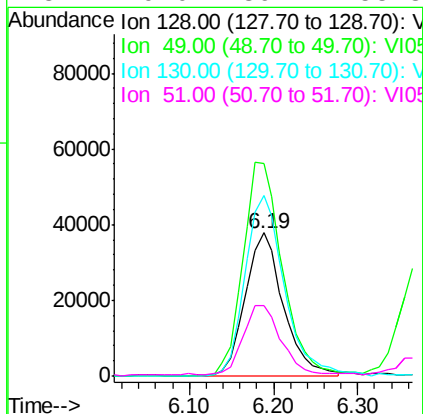
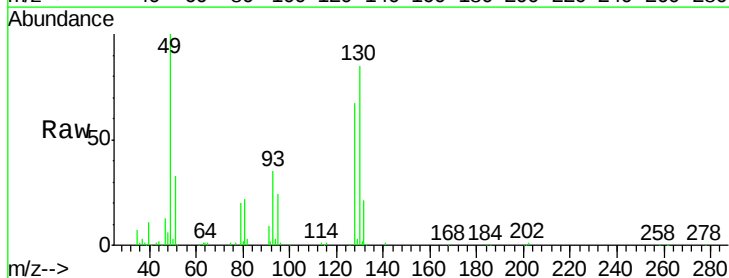
Tot Ion	96	Resp	242062
Ion	Ratio	Lower	Upper
96	100		
61	152.6	106.8	198.4
98	68.8	48.2	89.4

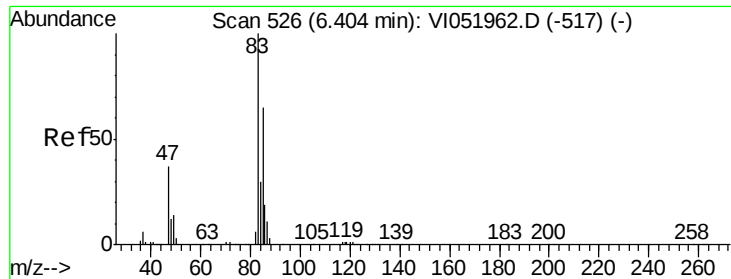


#23

Bromochloromethane
 Concen: 25.59 ug/L
 RT: 6.19 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VI051962.D
 Acq: 24 Aug 2017 16:06

Tgt Ion	128	Resp	120504
Ion	Ratio	Lower	Upper
128	100		
49	148.8	104.2	193.4
130	126.0	88.2	163.8
51	49.0	39.2	58.8





#25

Chloroform

Concen: 24.00 ug/L

RT: 6.40 min Scan# 526

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

Instrument :

BNA_F

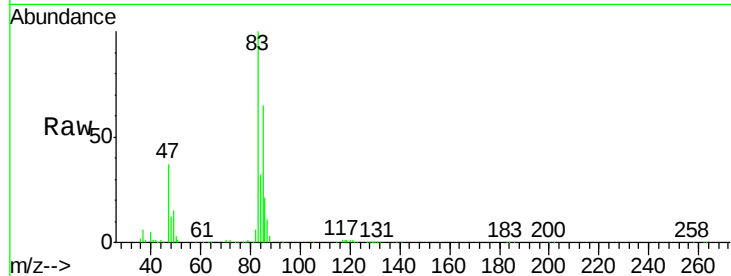
ClientSampleId :

Tot Ion: 83 Resp: 448697

Ion Ratio Lower Upper

83 100

85 66.1 46.3 85.9



Abundance Ion 83.00 (82.70 to 83.70): VI051962.D (-517) (-)

Ion 85.00 (84.70 to 85.70): VI051962.D (-517) (-)

6.40

150000

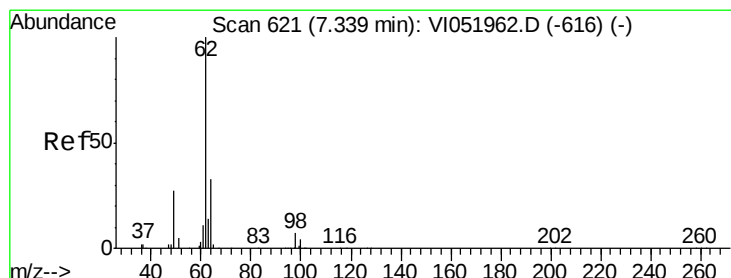
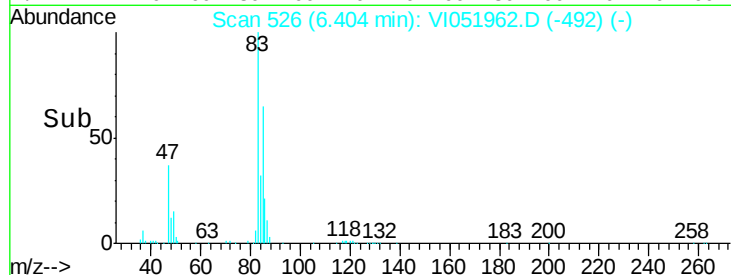
100000

50000

0

6.30 6.40 6.50

Time-->



#27

1,2-Dichloroethane

Concen: 23.66 ug/L

RT: 7.34 min Scan# 621

Delta R.T. 0.00 min

Lab File: VI051962.D

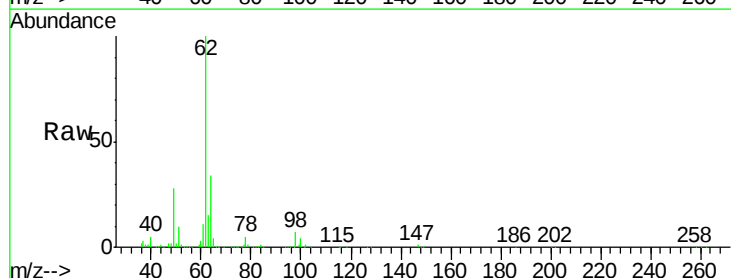
Acq: 24 Aug 2017 16:06

Tgt Ion: 62 Resp: 330451

Ion Ratio Lower Upper

62 100

98 6.9 5.5 8.3



Abundance Ion 62.00 (61.70 to 62.70): VI051962.D (-616) (-)

Ion 98.00 (97.70 to 98.70): VI051962.D (-616) (-)

7.34

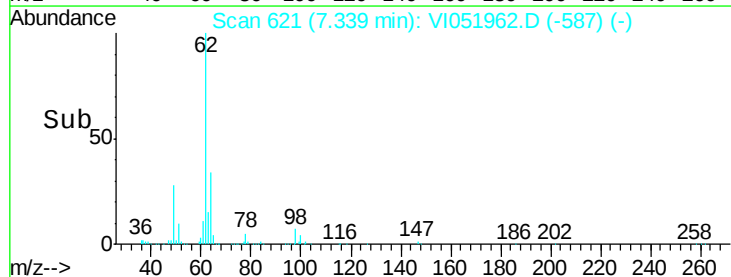
100000

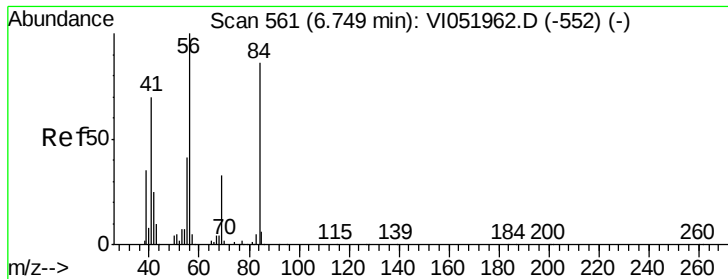
50000

0

7.30 7.40 7.50

Time-->

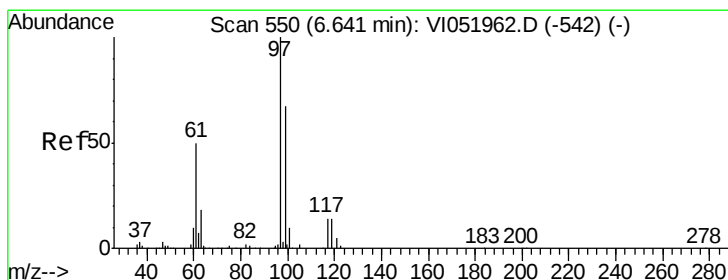
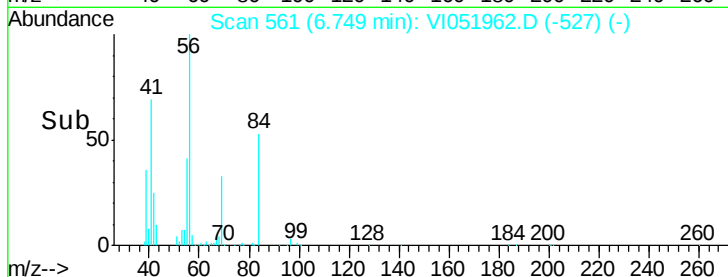
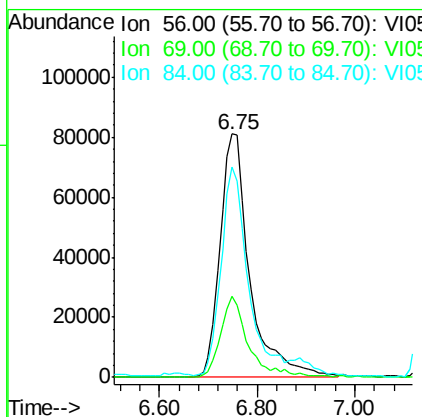
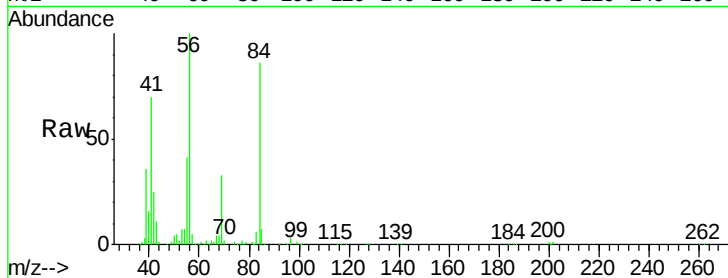




#30
Cvclohexane
Concen: 23.80 ug/L
RT: 6.75 min Scan# 561
Delta R.T. 0.00 min
Lab File: VI051962.D
Acq: 24 Aug 2017 16:06

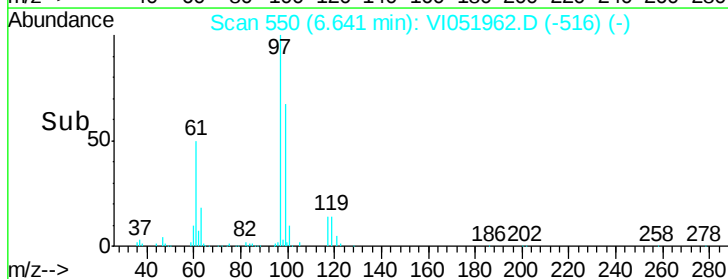
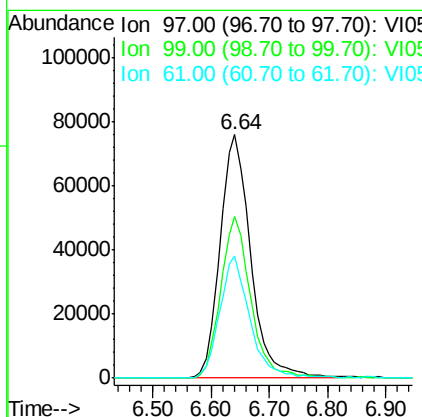
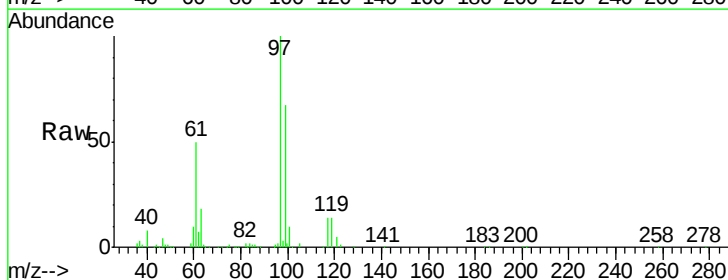
Instrument :
BNA_F
ClientSampleId :

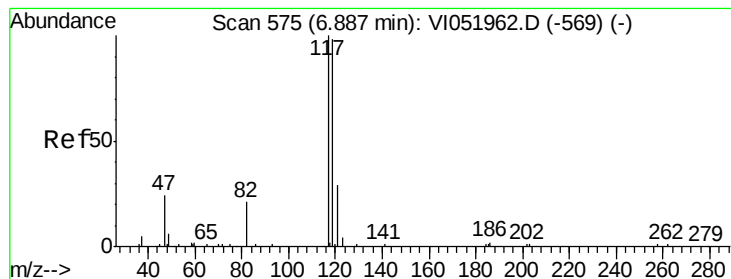
Tot Ion	56	Resp	343912
Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.2	36.4
84	74.5	59.6	89.4



#31
1,1,1-Trichloroethane
Concen: 21.04 ug/L
RT: 6.64 min Scan# 550
Delta R.T. 0.00 min
Lab File: VI051962.D
Acq: 24 Aug 2017 16:06

Tgt Ion	97	Resp	277192
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	48.3	38.6	58.0





#32

Carbon tetrachloride

Concen: 16.25 ug/L

RT: 6.89 min Scan# 575

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

Instrument :

BNA_F

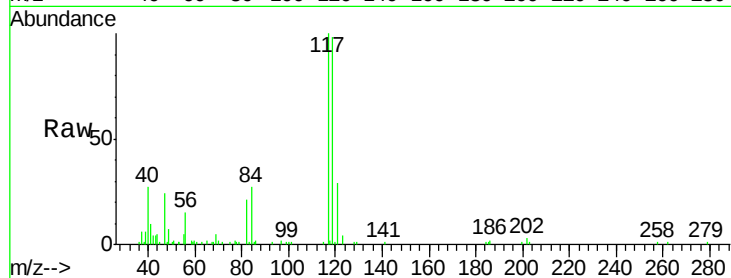
ClientSampleId :

Tot Ion:117 Resp: 76339

Ion Ratio Lower Upper

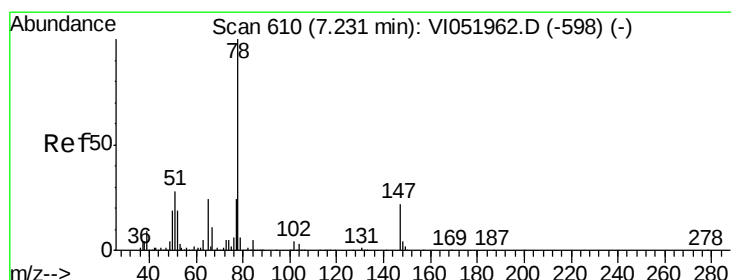
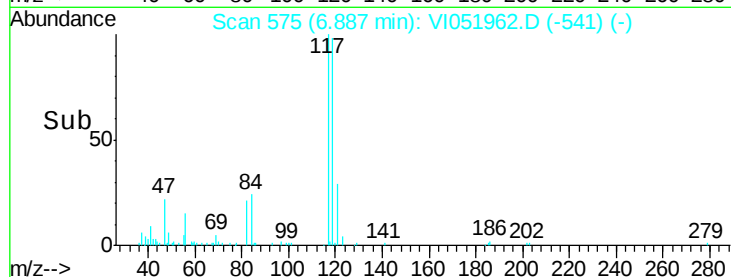
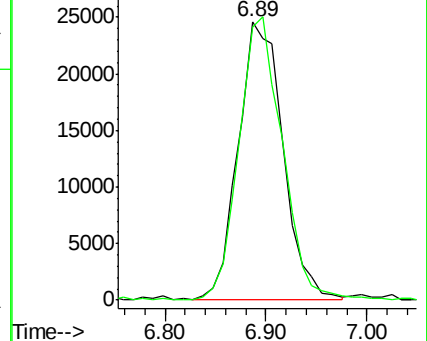
117 100

119 97.9 78.3 117.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.59 ug/L

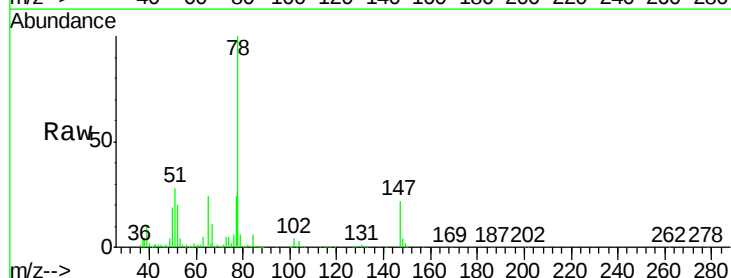
RT: 7.23 min Scan# 610

Delta R.T. 0.00 min

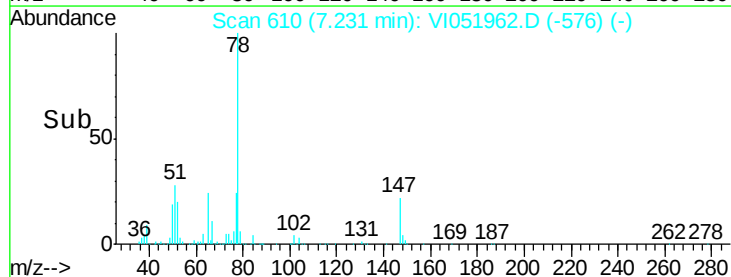
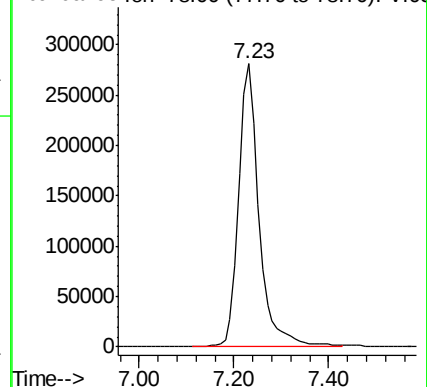
Lab File: VI051962.D

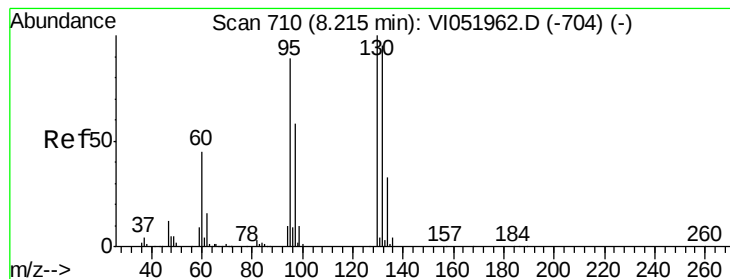
Acq: 24 Aug 2017 16:06

Tgt Ion: 78 Resp: 846974



Abundance Ion 78.00 (77.70 to 78.70): VI05





#35

Trichloroethene

Concen: 23.96 ug/L

RT: 8.22 min Scan# 710

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 95 Resp: 294654

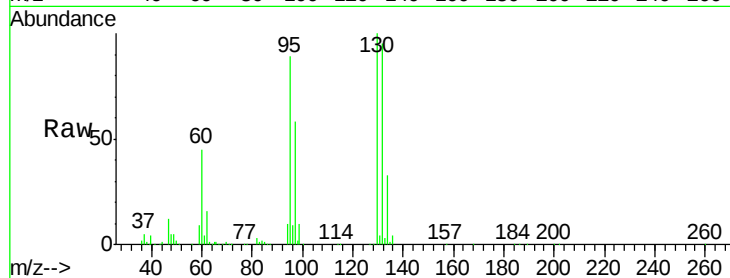
Ion Ratio Lower Upper

95 100

97 66.0 46.2 85.8

132 103.9 72.7 135.1

130 106.4 74.5 138.3

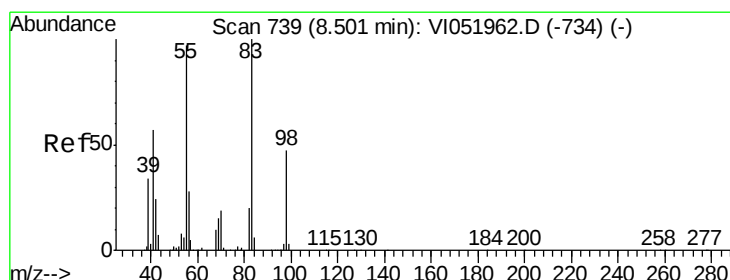
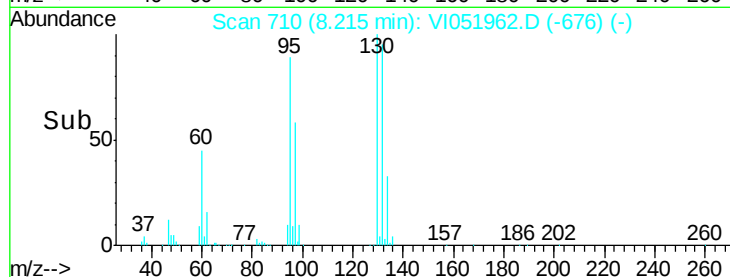
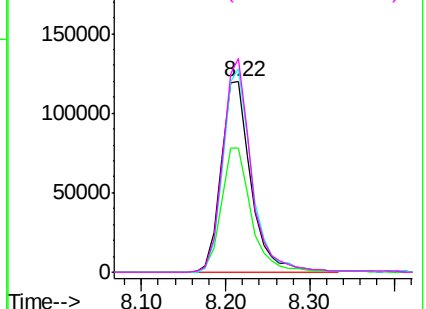


Abundance Ion 95.00 (94.70 to 95.70): VI051962.D (-704) (-)

Ion 97.00 (96.70 to 97.70): VI051962.D (-704) (-)

Ion 132.00 (131.70 to 132.70): VI051962.D (-704) (-)

Ion 130.00 (129.70 to 130.70): VI051962.D (-704) (-)



#36

Methylcyclohexane

Concen: 23.15 ug/L

RT: 8.50 min Scan# 739

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

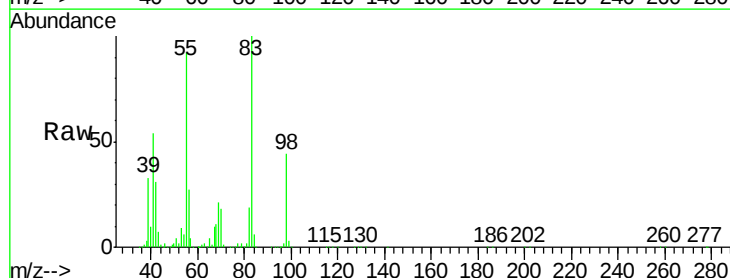
Tgt Ion: 83 Resp: 377230

Ion Ratio Lower Upper

83 100

55 91.7 73.4 110.0

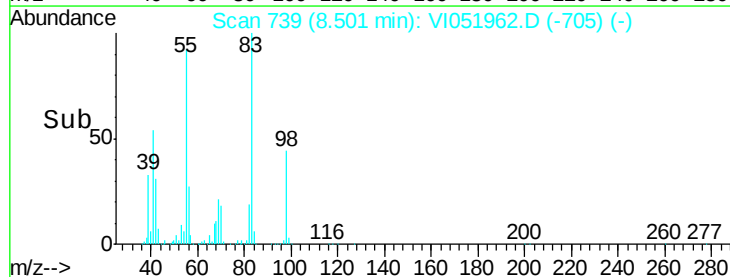
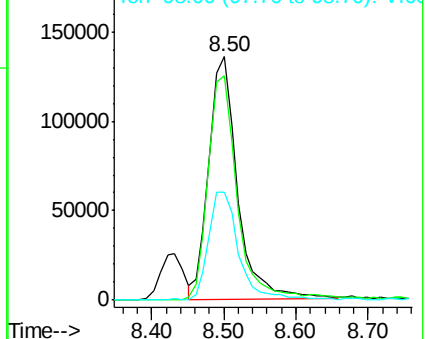
98 45.9 36.7 55.1

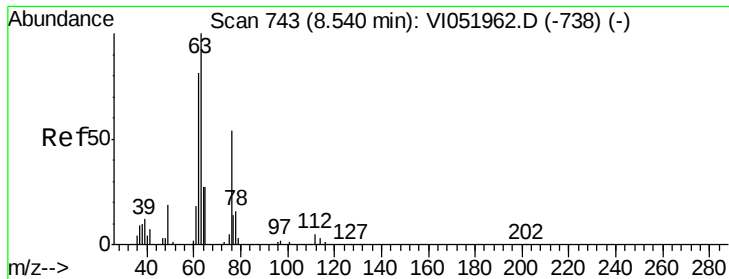


Abundance Ion 83.00 (82.70 to 83.70): VI051962.D (-734) (-)

Ion 55.00 (54.70 to 55.70): VI051962.D (-734) (-)

Ion 98.00 (97.70 to 98.70): VI051962.D (-734) (-)

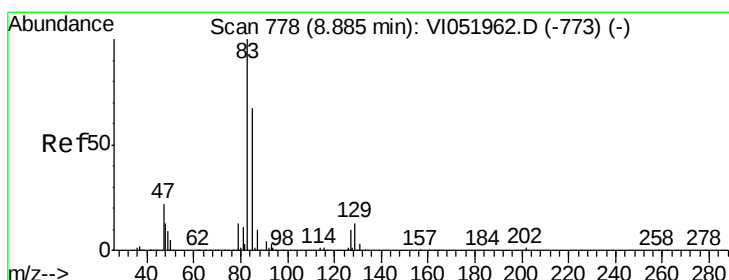
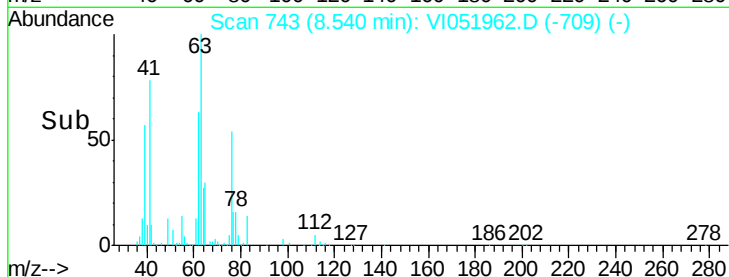
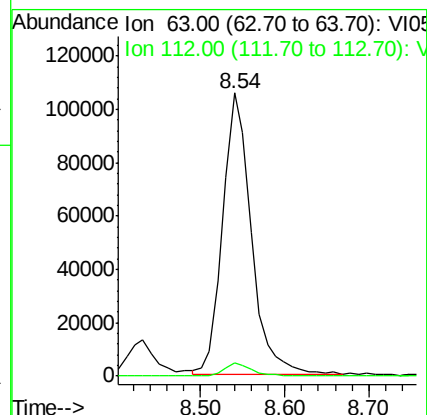
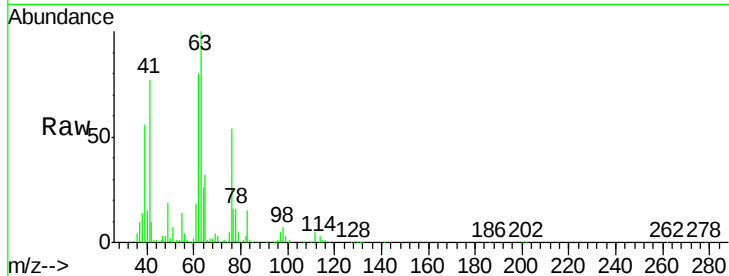




#40
 1,2-Dichloropropane
 Concen: 24.49 ug/L
 RT: 8.54 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VI051962.D
 Acq: 24 Aug 2017 16:06

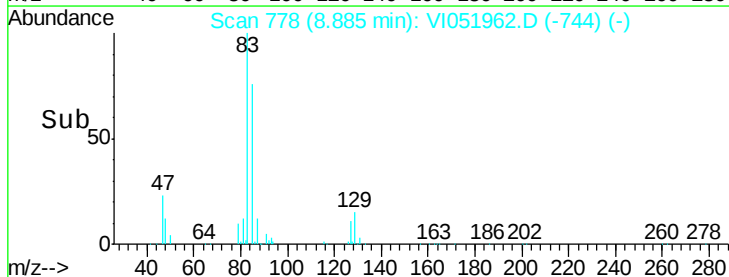
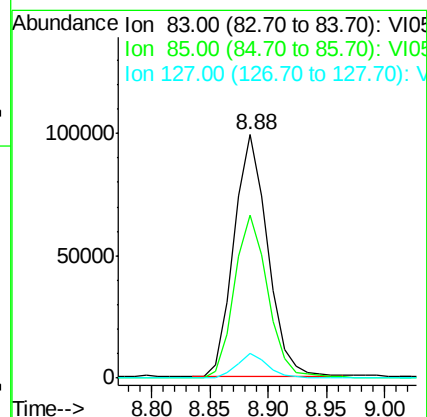
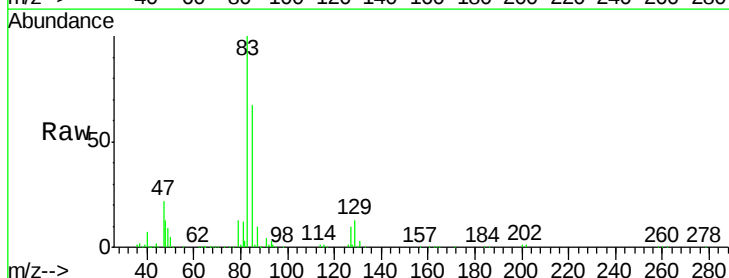
Instrument :
 BNA_F
 ClientSampleId :

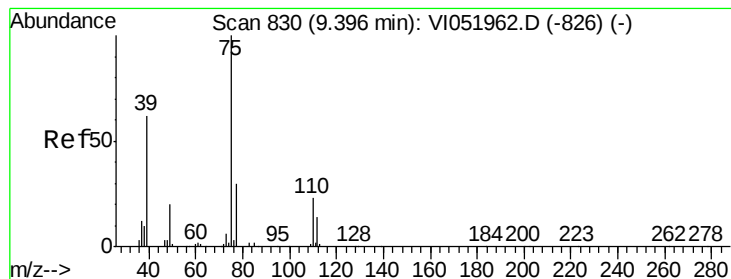
Tot Ion: 63 Resp: 250198
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#41
 Bromodichloromethane
 Concen: 20.22 ug/L
 RT: 8.88 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: VI051962.D
 Acq: 24 Aug 2017 16:06

Tgt Ion: 83 Resp: 199438
 Ion Ratio Lower Upper
 83 100
 85 66.9 46.8 87.0
 127 10.2 8.2 12.2





#42

cis-1,3-Dichloropropene

Concen: 19.14 ug/L

RT: 9.40 min Scan# 830

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

Instrument :

BNA_F

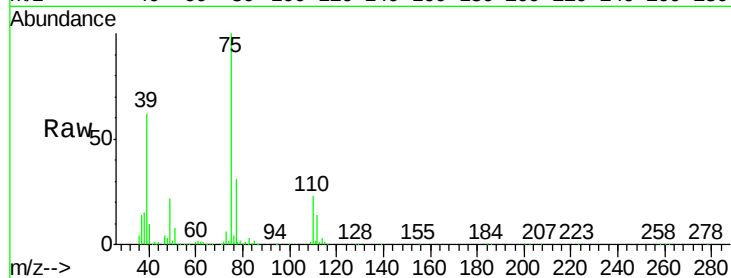
ClientSampleId :

Tot Ion: 75 Resp: 201447

Ion Ratio Lower Upper

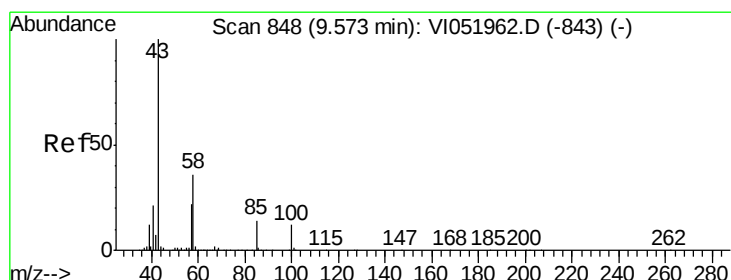
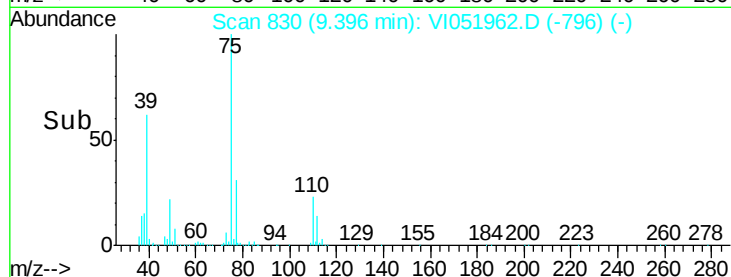
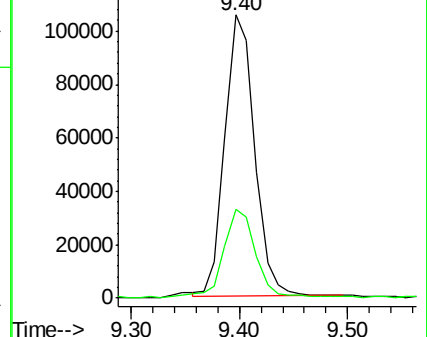
75 100

77 31.5 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: 50.01 ug/L

RT: 9.57 min Scan# 848

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

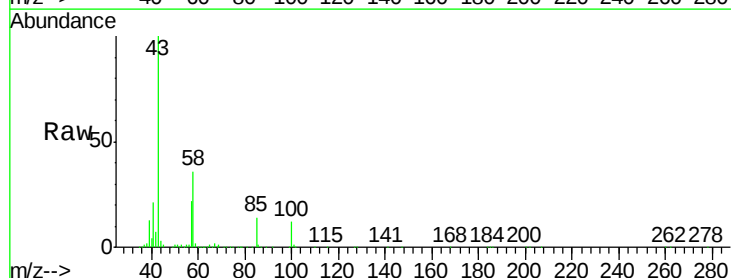
Tgt Ion: 43 Resp: 638520

Ion Ratio Lower Upper

43 100

58 37.5 30.0 45.0

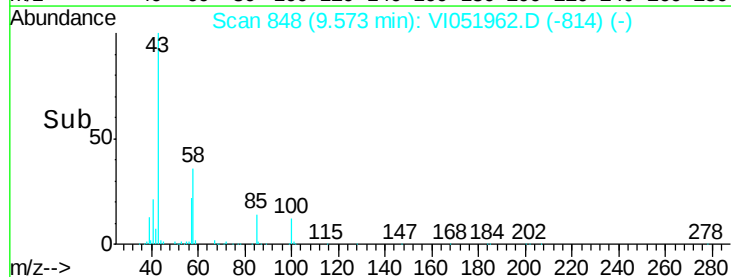
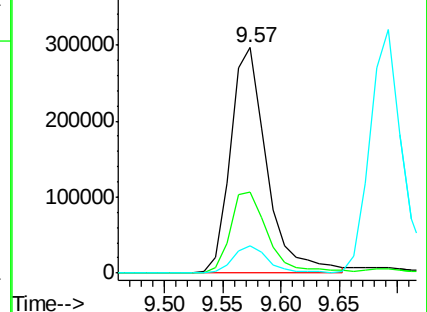
100 11.9 9.5 14.3

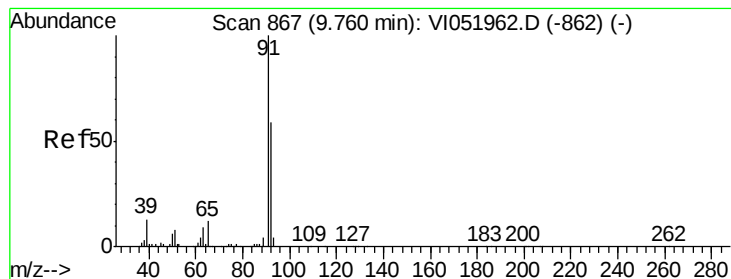


Abundance Ion 43.00 (42.70 to 43.70): VI051962.D (-843) (-)

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: 24.65 ug/L

RT: 9.76 min Scan# 867

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

Instrument :

BNA_F

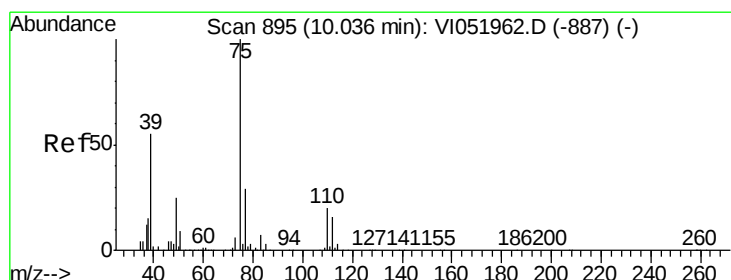
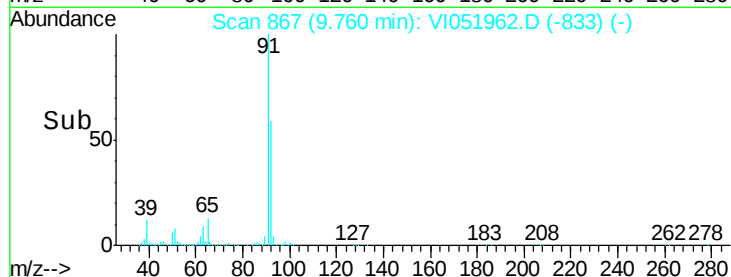
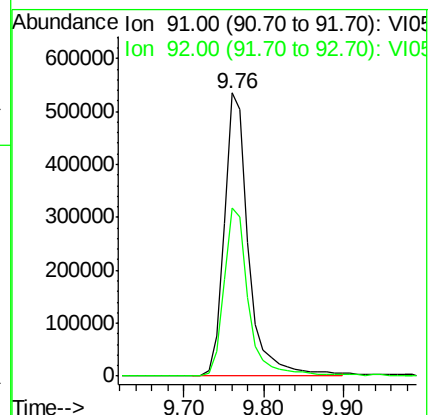
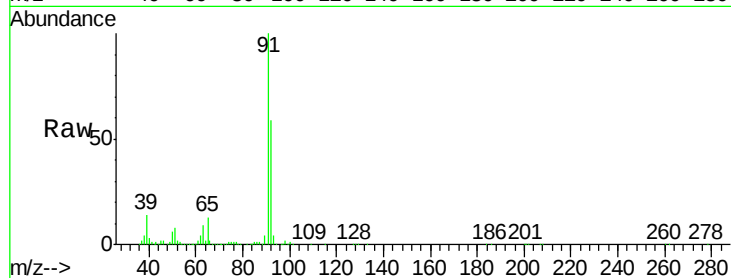
ClientSampleId :

Tot Ion: 91 Resp: 1144833

Ion Ratio Lower Upper

91 100

92 59.4 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 20.16 ug/L

RT: 10.04 min Scan# 895

Delta R.T. 0.00 min

Lab File: VI051962.D

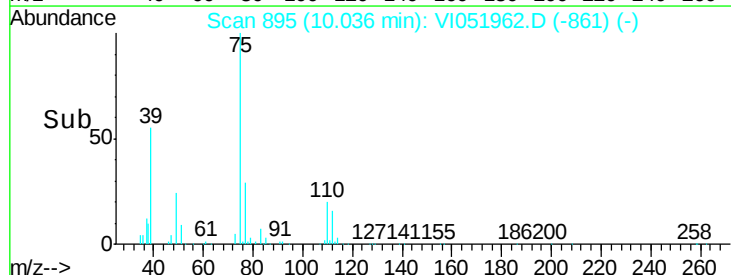
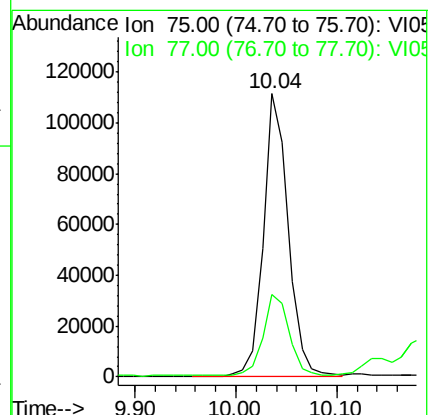
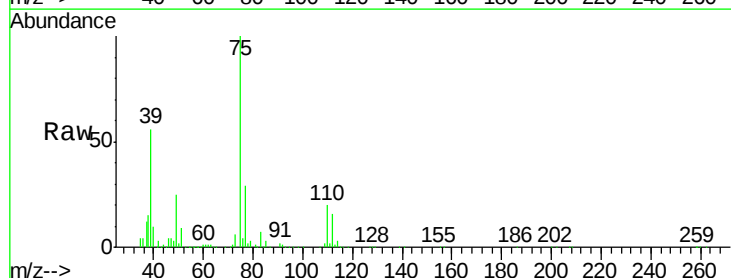
Acq: 24 Aug 2017 16:06

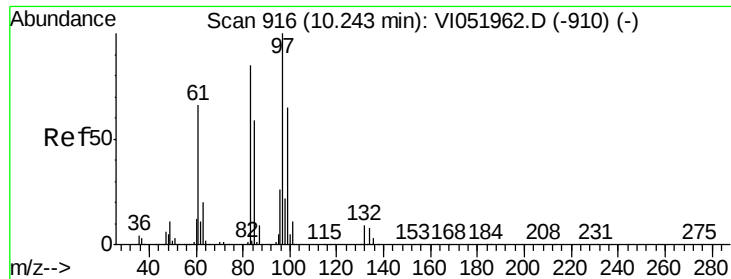
Tgt Ion: 75 Resp: 191949

Ion Ratio Lower Upper

75 100

77 29.3 20.5 38.1

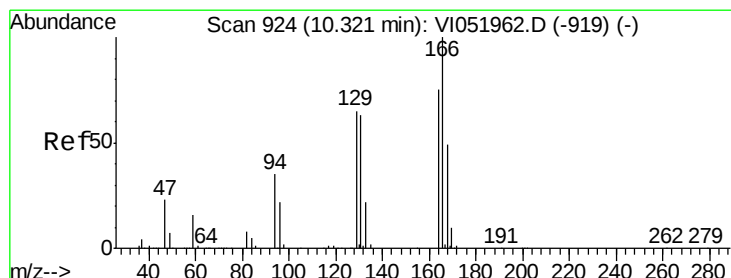
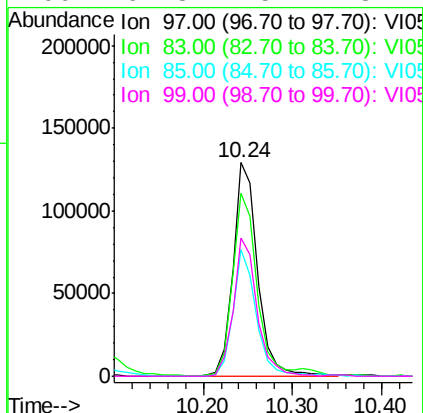
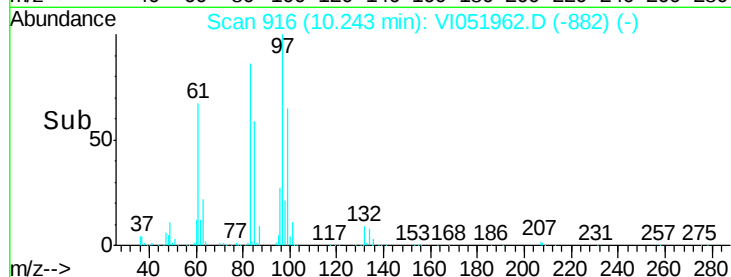
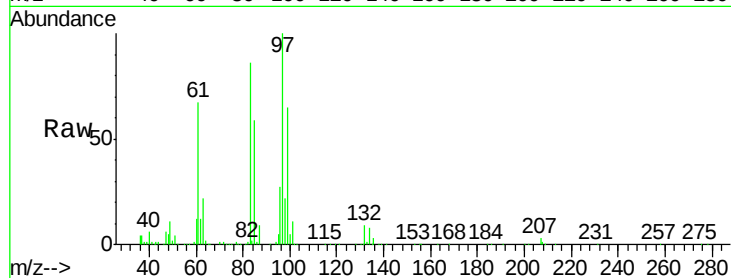




#46
1,1,2-Trichloroethane
Concen: 23.55 ug/L
RT: 10.24 min Scan# 916
Delta R.T. 0.00 min
Lab File: VI051962.D
Acq: 24 Aug 2017 16:06

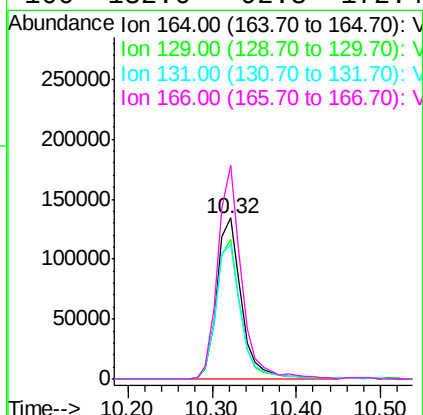
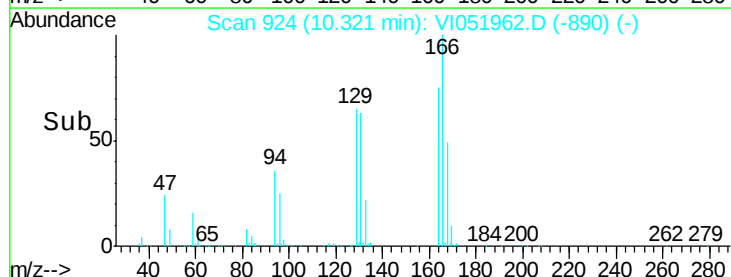
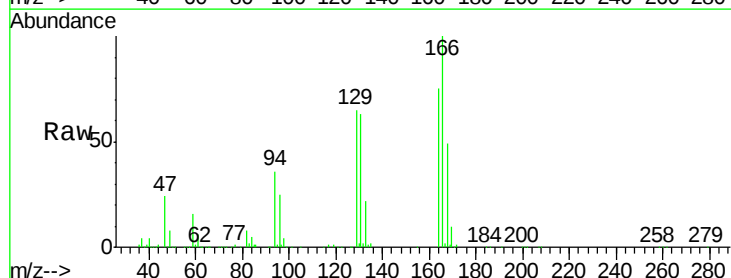
Instrument :
BNA_F
ClientSampleId :

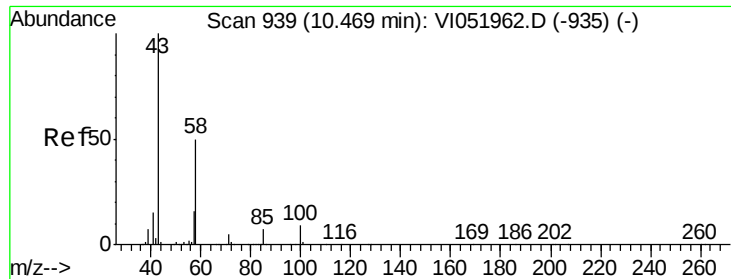
Tot Ion:	97	Resp:	249433
Ion	Ratio	Lower	Upper
97	100		
83	85.7	60.0	111.4
85	59.2	41.4	77.0
99	64.8	45.4	84.2



#47
Tetrachloroethene
Concen: 22.93 ug/L
RT: 10.32 min Scan# 924
Delta R.T. 0.00 min
Lab File: VI051962.D
Acq: 24 Aug 2017 16:06

Tgt Ion:	164	Resp:	273984
Ion	Ratio	Lower	Upper
164	100		
129	86.4	60.5	112.3
131	83.4	58.4	108.4
166	132.6	92.8	172.4

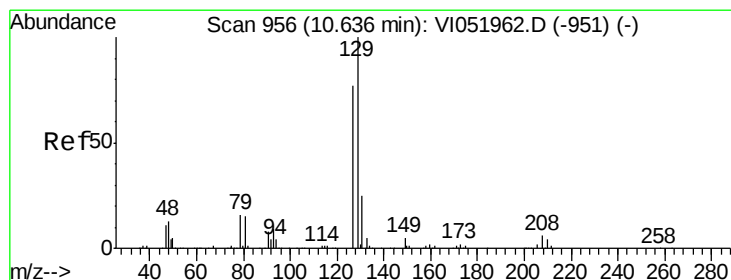
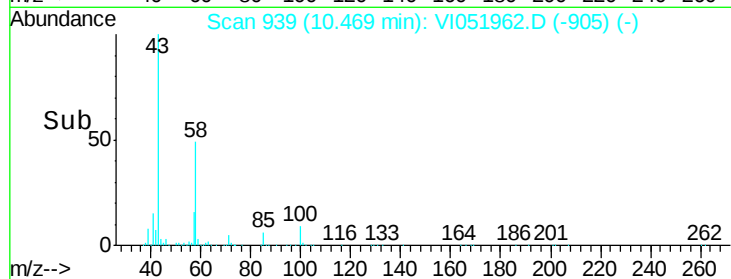
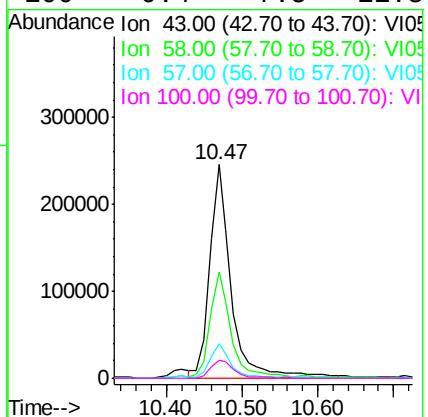
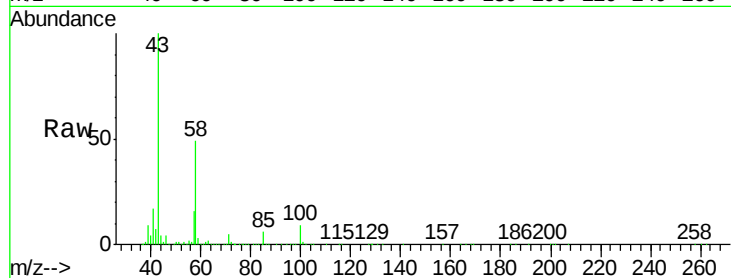




#49
2-Hexanone
Concen: 51.62 ug/L
RT: 10.47 min Scan# 939
Delta R.T. 0.00 min
Lab File: VI051962.D
Acq: 24 Aug 2017 16:06

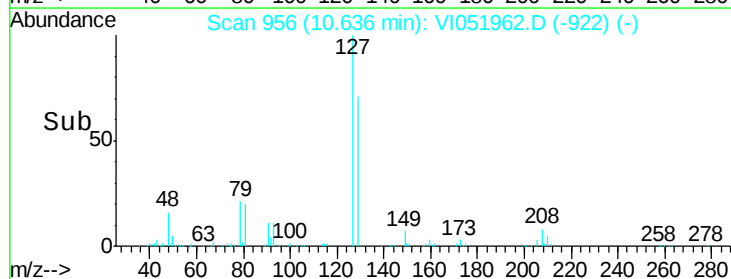
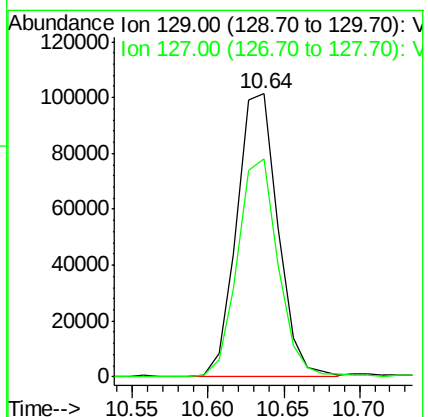
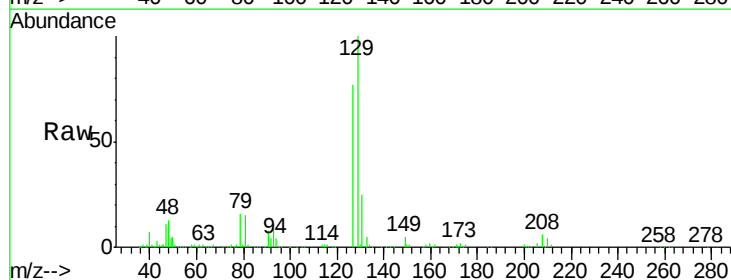
Instrument :
BNA_F
ClientSampleId :

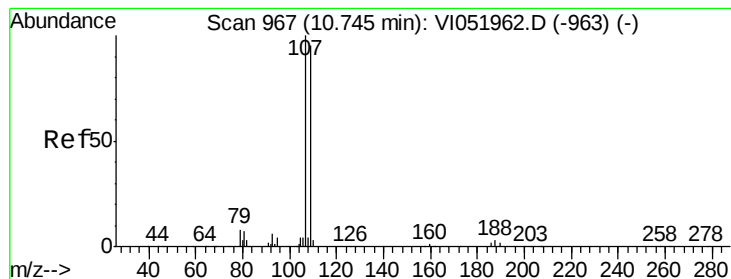
Tot Ion:	43	Resp:	484159
Ion	Ratio	Lower	Upper
43	100		
58	49.0	39.2	58.8
57	15.6	12.5	18.7
100	9.4	7.5	11.3



#50
Dibromochloromethane
Concen: 21.15 ug/L
RT: 10.64 min Scan# 956
Delta R.T. 0.00 min
Lab File: VI051962.D
Acq: 24 Aug 2017 16:06

Tgt Ion:	129	Resp:	191438
Ion	Ratio	Lower	Upper
129	100		
127	76.9	53.8	100.0





#51

1,2-Dibromoethane

Concen: 22.24 ug/L

RT: 10.74 min Scan# 967

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

Instrument :

BNA_F

ClientSampleId :

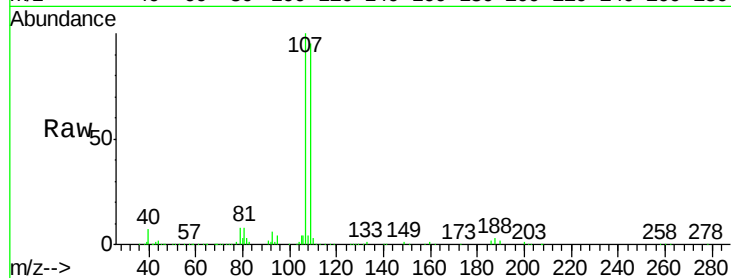
Tot Ion:107 Resp: 183925

Ion Ratio Lower Upper

107 100

109 94.8 66.4 123.2

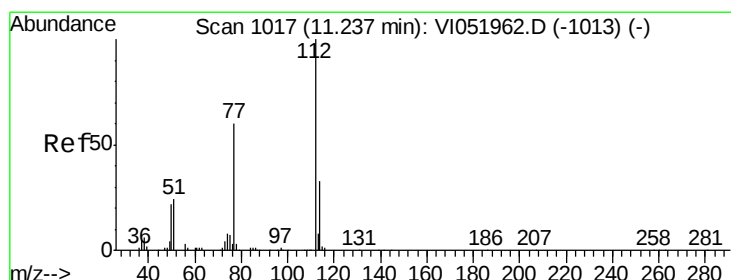
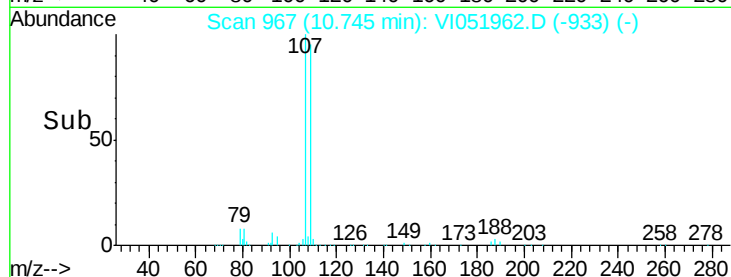
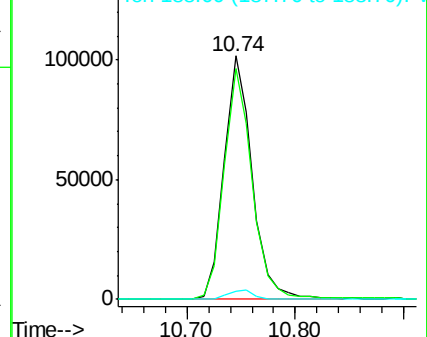
188 3.2 2.6 3.8



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: 23.96 ug/L

RT: 11.24 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

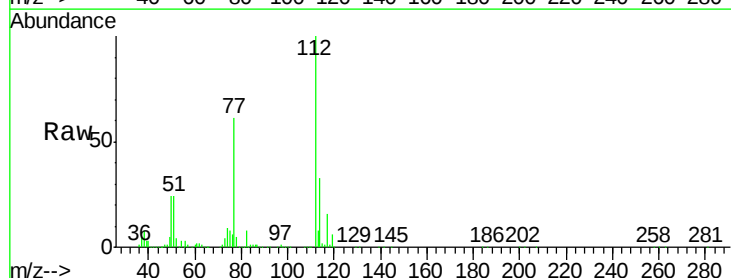
Tgt Ion:112 Resp: 869793

Ion Ratio Lower Upper

112 100

77 60.5 48.4 72.6

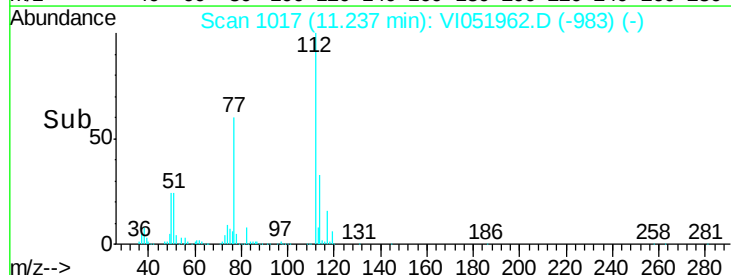
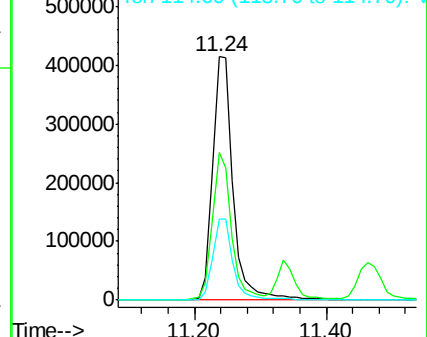
114 33.3 23.3 43.3

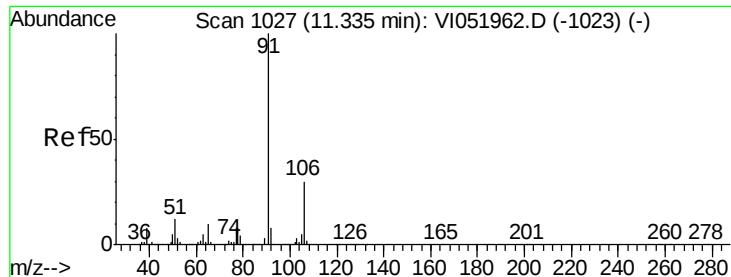


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VI05

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 24.17 ug/L

RT: 11.34 min Scan# 1027

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

Instrument :

BNA_F

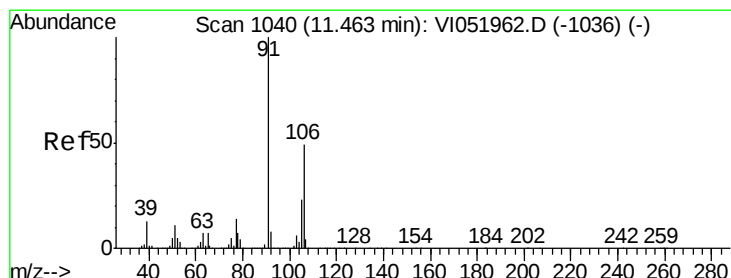
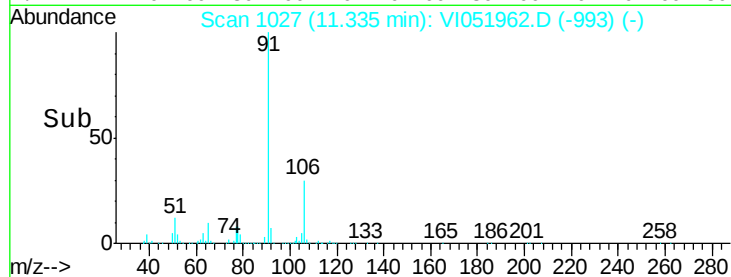
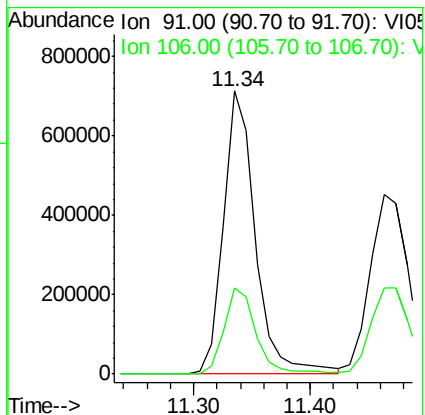
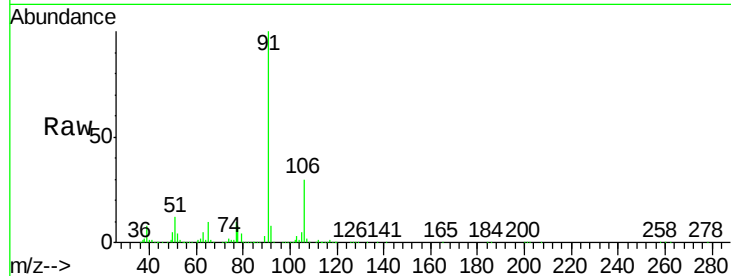
ClientSampleId :

Tot Ion: 91 Resp: 1349379

Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.5



#54

m,p-Xylene

Concen: 22.89 ug/L

RT: 11.46 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VI051962.D

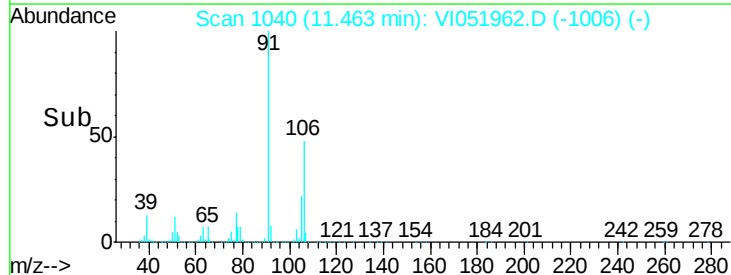
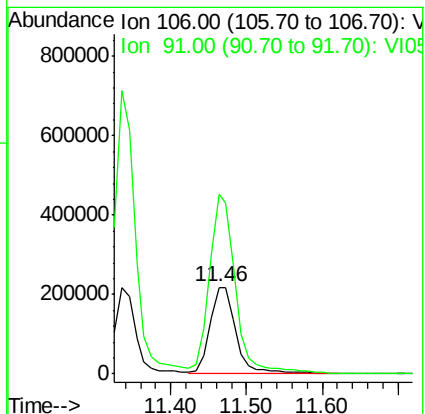
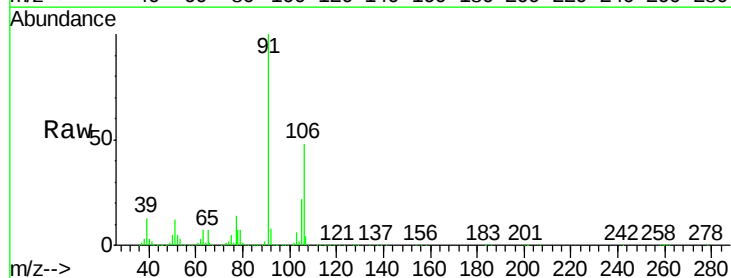
Acq: 24 Aug 2017 16:06

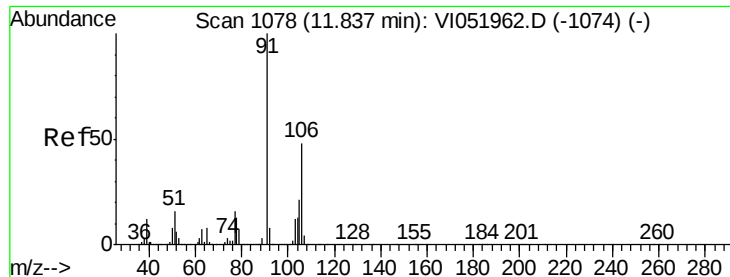
Tgt Ion: 106 Resp: 531794

Ion Ratio Lower Upper

106 100

91 207.3 145.1 269.5





#55

o-xylene

Concen: 23.12 ug/L

RT: 11.84 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

Instrument :

BNA_F

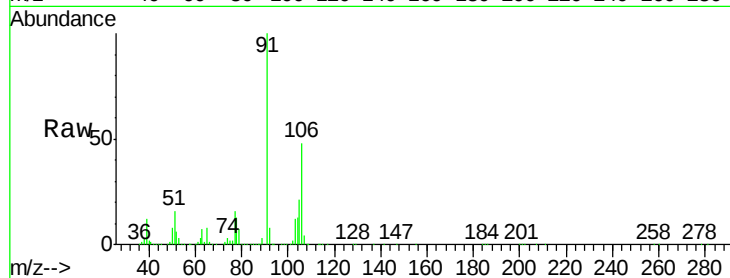
ClientSampleId :

Tot Ion:106 Resp: 518435

Ion Ratio Lower Upper

106 100

91 207.9 145.5 270.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VI05

600000

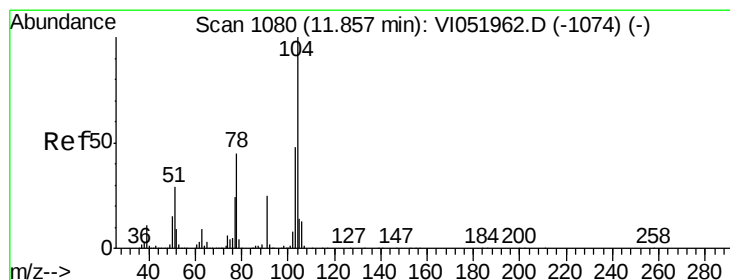
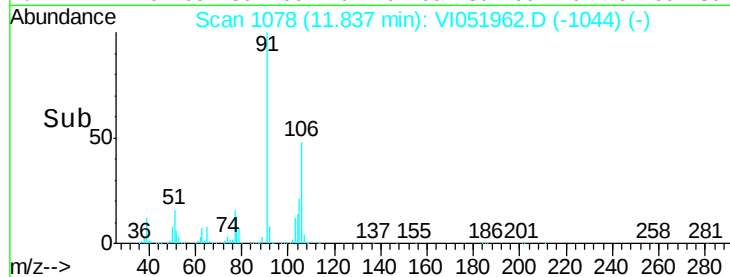
400000

200000

0

11.84

Time-->



#56

Styrene

Concen: 23.42 ug/L

RT: 11.86 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VI051962.D

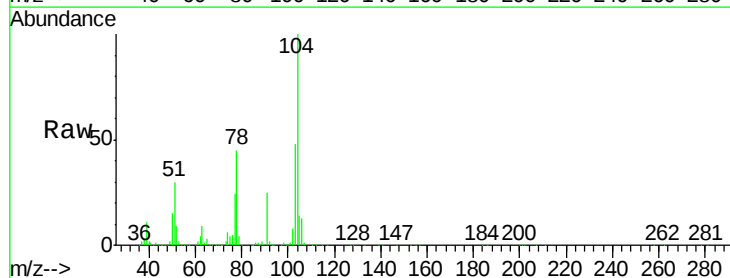
Acq: 24 Aug 2017 16:06

Tgt Ion:104 Resp: 873958

Ion Ratio Lower Upper

104 100

78 45.1 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VI05

500000

400000

300000

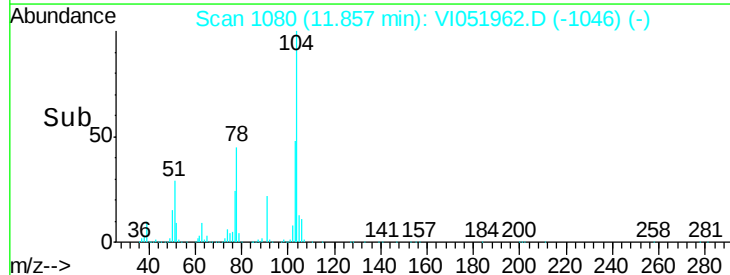
200000

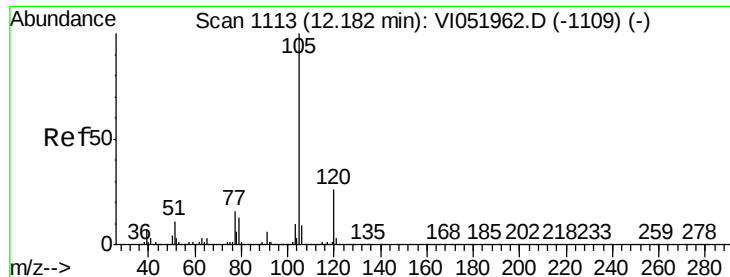
100000

0

11.86

Time-->





#57

Isopropylbenzene

Concen: 23.96 ug/L

RT: 12.18 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

Instrument :

BNA_F

ClientSampled :

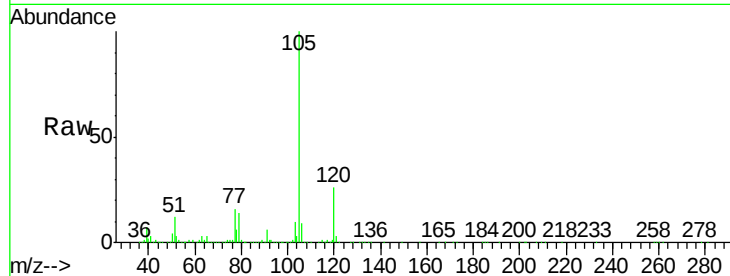
Tot Ion:105 Resp: 1373522

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

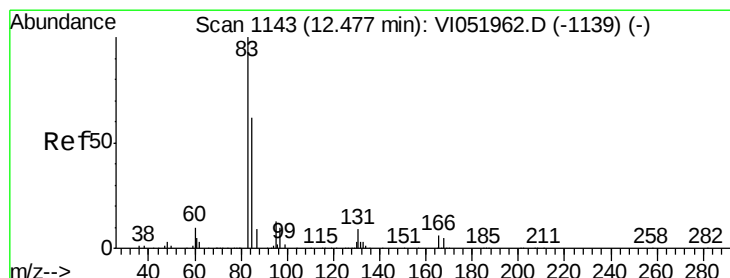
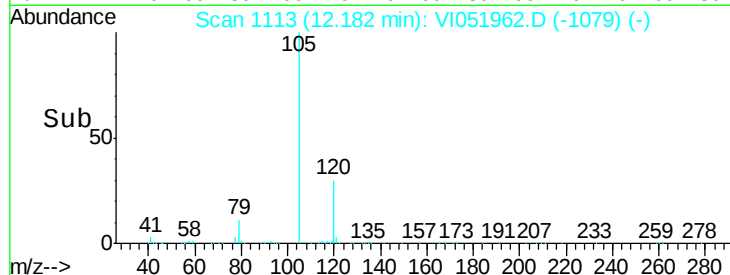
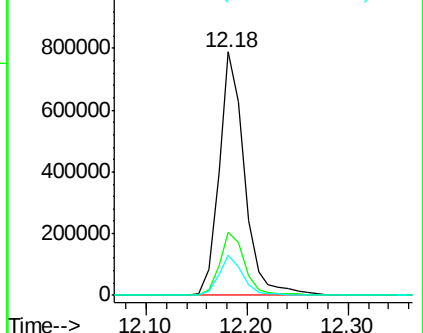
77 15.9 12.7 19.1



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: 23.02 ug/L

RT: 12.48 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

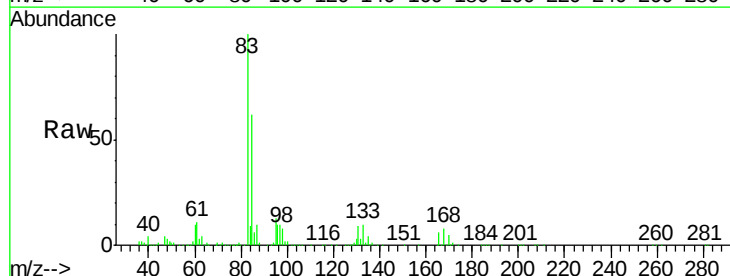
Tgt Ion: 83 Resp: 368621

Ion Ratio Lower Upper

83 100

85 62.0 43.4 80.6

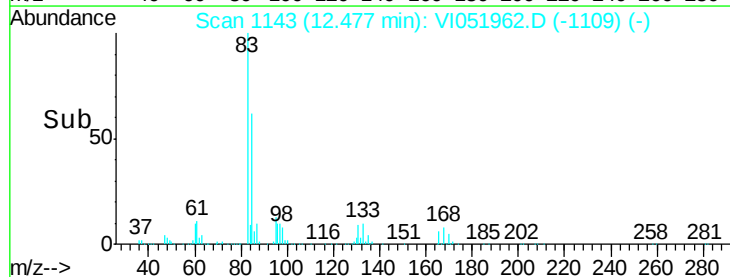
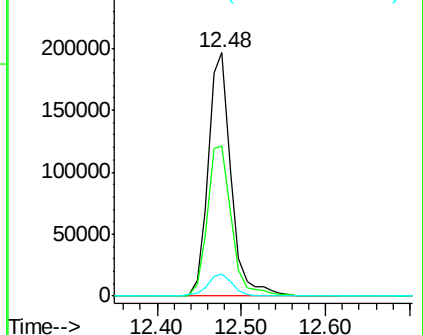
131 9.3 7.4 11.2

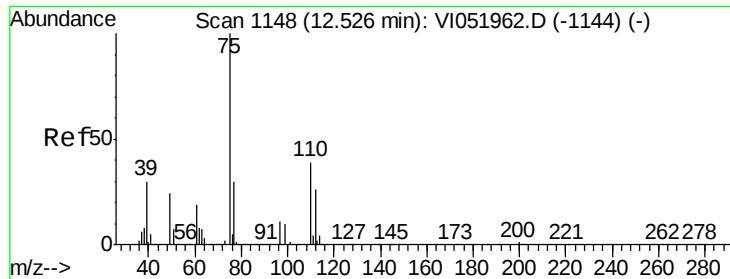


Abundance Ion 83.00 (82.70 to 83.70): VI05

Ion 85.00 (84.70 to 85.70): VI05

Ion 131.00 (130.70 to 131.70): V

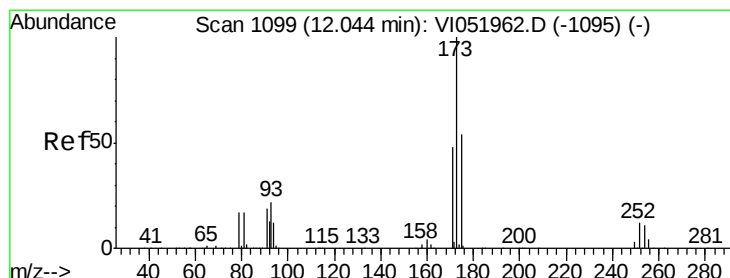
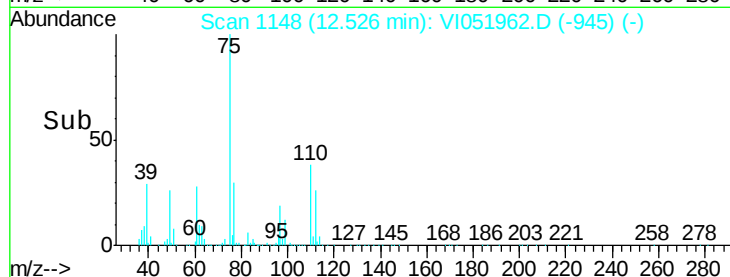
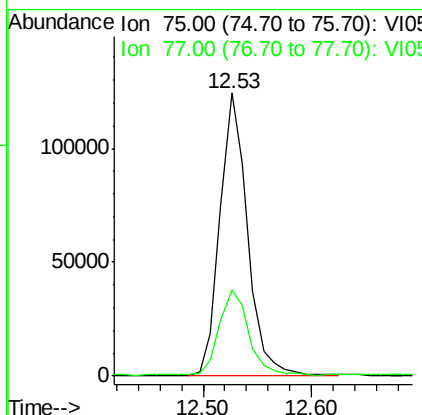
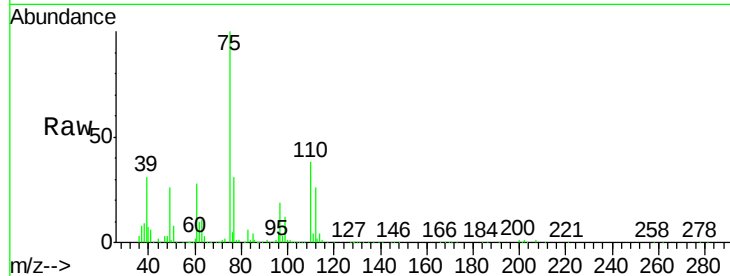




#59
 1,2,3-Trichloropropane
 Concen: 22.08 ug/L
 RT: 12.53 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VI051962.D
 Acq: 24 Aug 2017 16:06

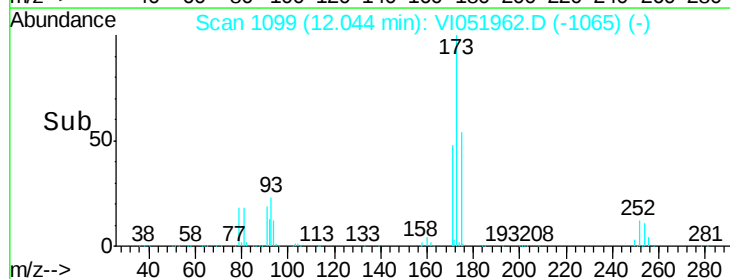
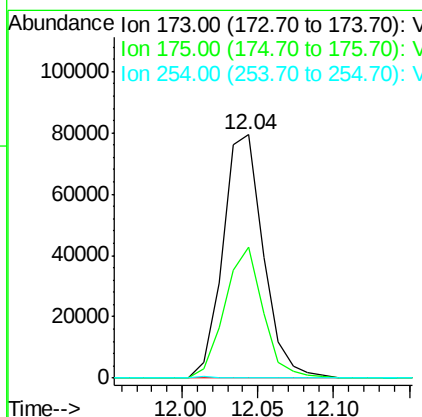
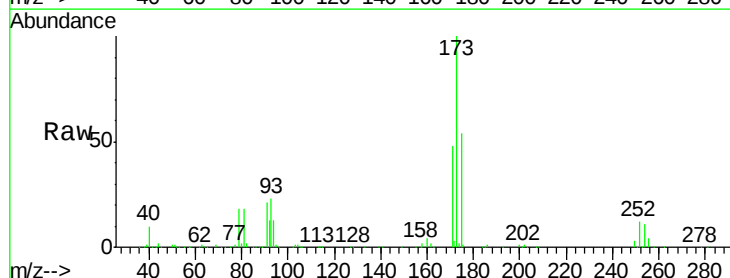
Instrument :
 BNA_F
 ClientSampleId :

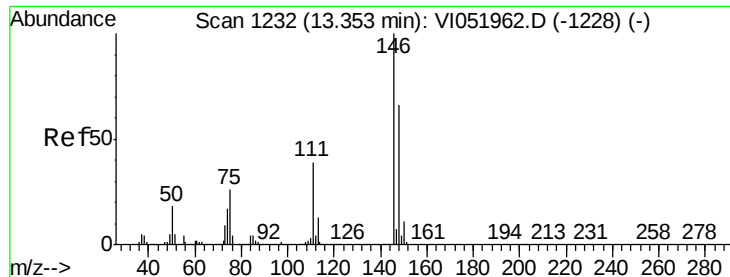
Tot Ion: 75 Resp: 219417
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.0 39.0



#62
 Bromoform
 Concen: 22.27 ug/L
 RT: 12.04 min Scan# 1099
 Delta R.T. 0.00 min
 Lab File: VI051962.D
 Acq: 24 Aug 2017 16:06

Tgt Ion: 173 Resp: 147564
 Ion Ratio Lower Upper
 173 100
 175 50.8 40.6 61.0
 254 0.0 0.0 0.0

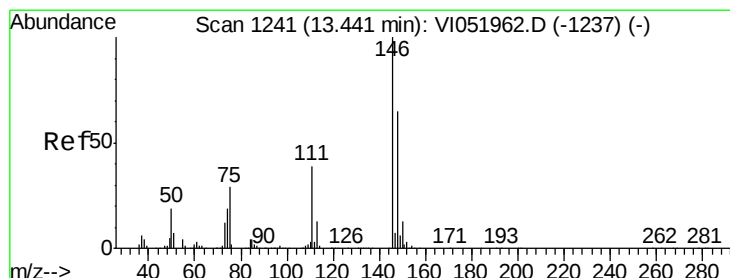
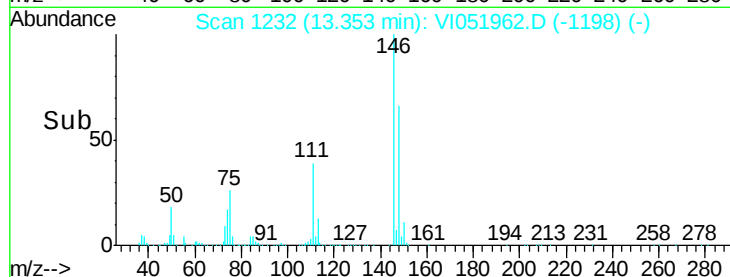
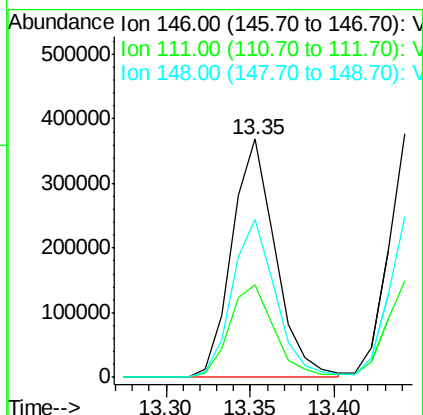
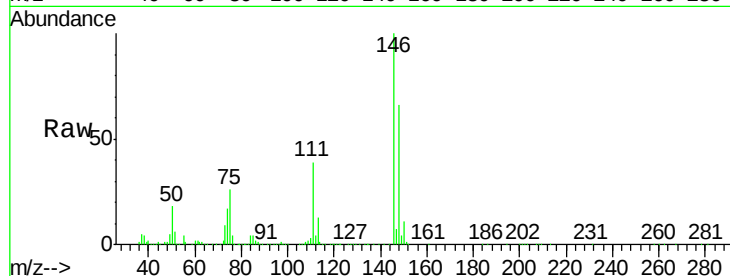




#63
 1,3-Dichlorobenzene
 Concen: 23.74 ug/L
 RT: 13.35 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VI051962.D
 Acq: 24 Aug 2017 16:06

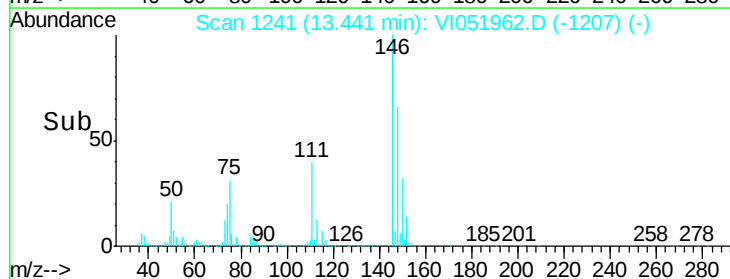
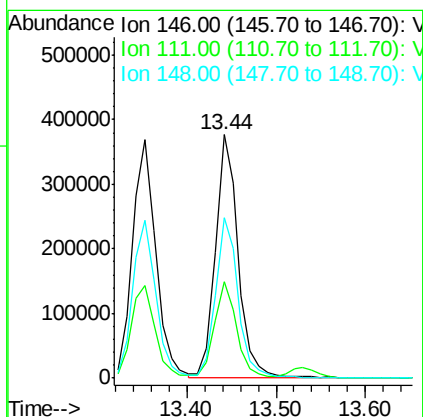
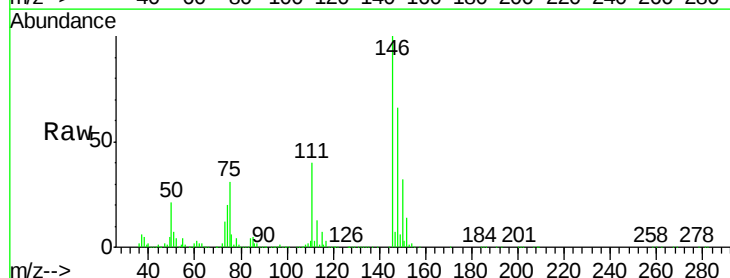
Instrument :
 BNA_F
 ClientSampled :

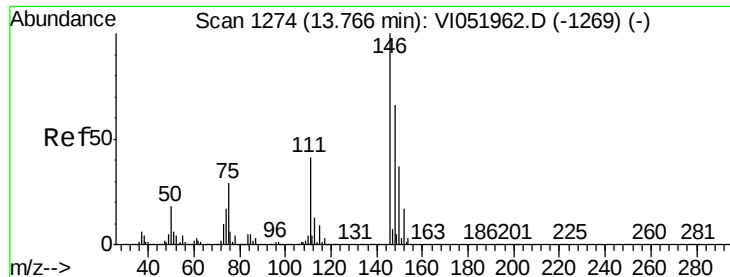
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	27.4	50.8
148	66.1	46.3	85.9



#64
 1,4-Dichlorobenzene
 Concen: 23.82 ug/L
 RT: 13.44 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VI051962.D
 Acq: 24 Aug 2017 16:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	27.8	51.6
148	65.6	45.9	85.3





#65

1,2-Dichlorobenzene

Concen: 24.49 ug/L

RT: 13.77 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

Instrument :

BNA_F

ClientSampleId :

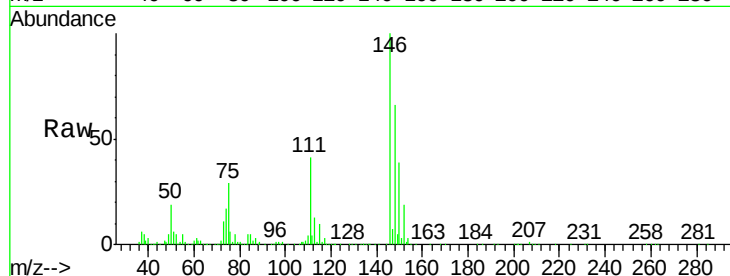
Tot Ion:146 Resp: 642107

Ion Ratio Lower Upper

146 100

111 41.0 32.8 49.2

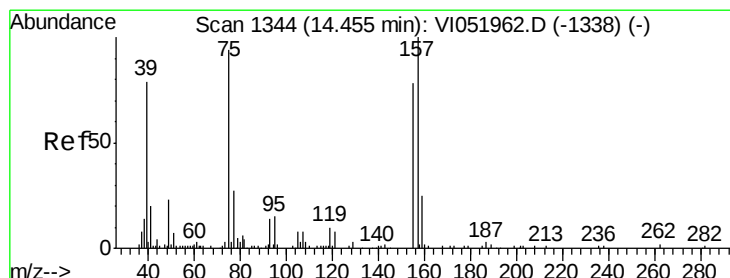
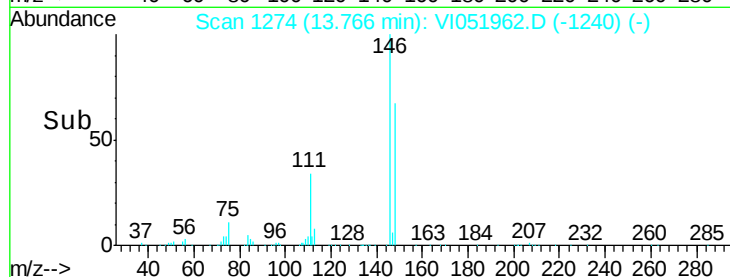
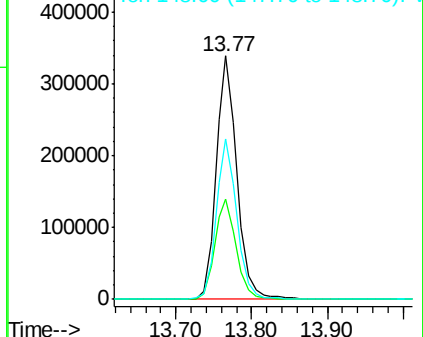
148 65.9 52.7 79.1



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: 22.75 ug/L

RT: 14.46 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

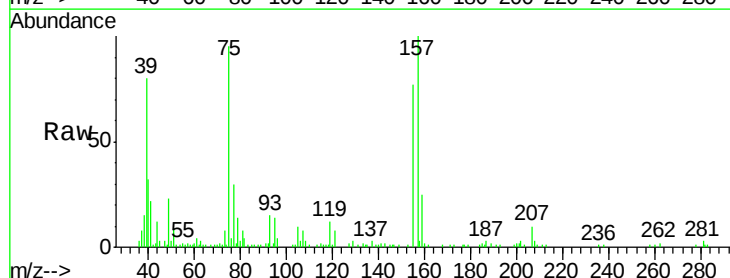
Tgt Ion: 75 Resp: 56144

Ion Ratio Lower Upper

75 100

157 104.9 83.9 125.9

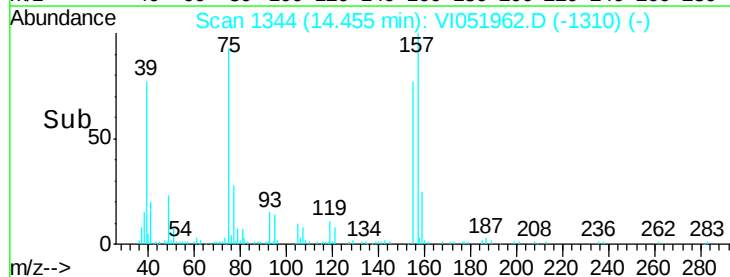
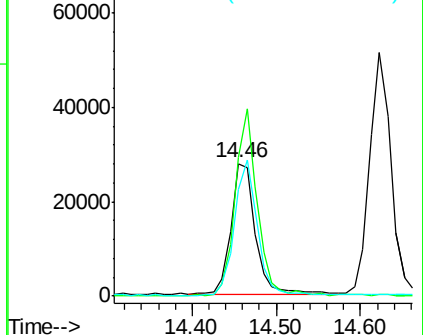
155 80.8 64.6 97.0

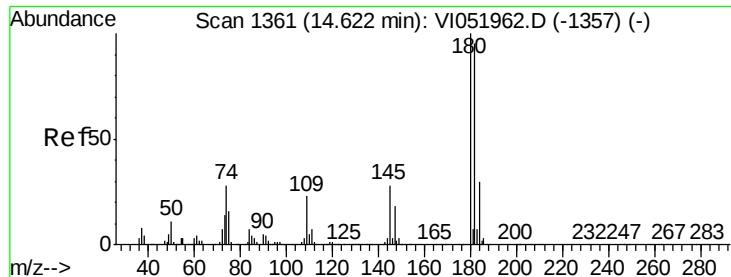


Abundance Ion 75.00 (74.70 to 75.70): VI05

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

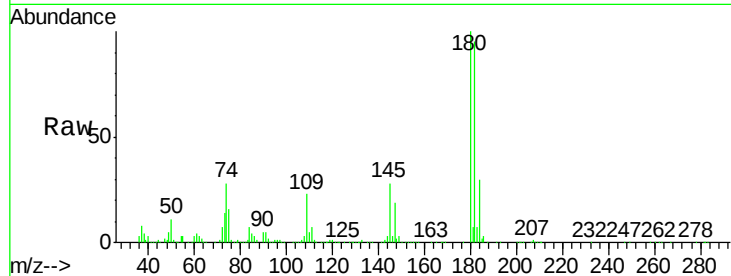




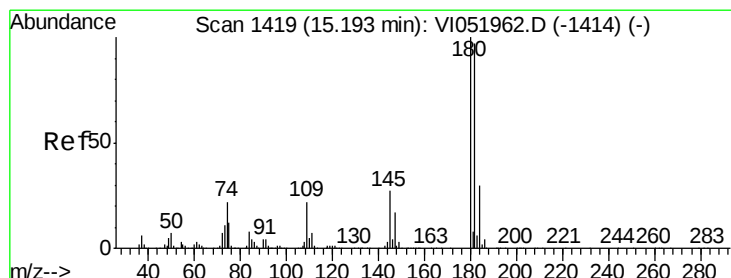
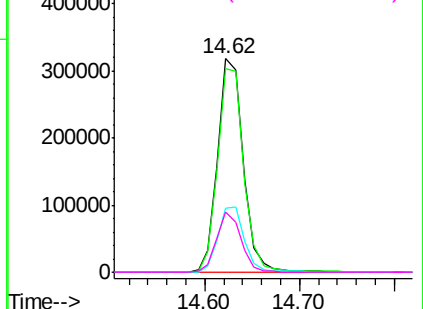
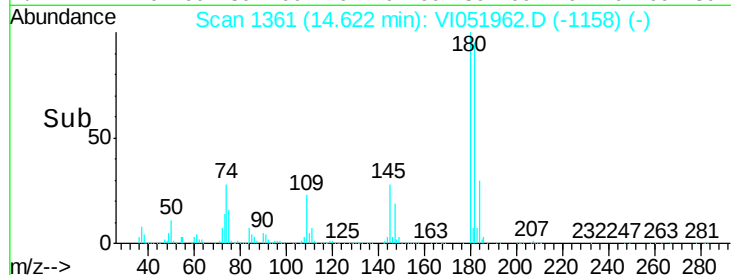
#67
 1,3,5-Trichlorobenzene
 Concen: 25.91 ug/L
 RT: 14.62 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VI051962.D
 Acq: 24 Aug 2017 16:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:180 Resp: 597064
 Ion Ratio Lower Upper
 180 100
 182 97.1 77.7 116.5
 184 30.6 24.5 36.7
 145 27.1 21.7 32.5

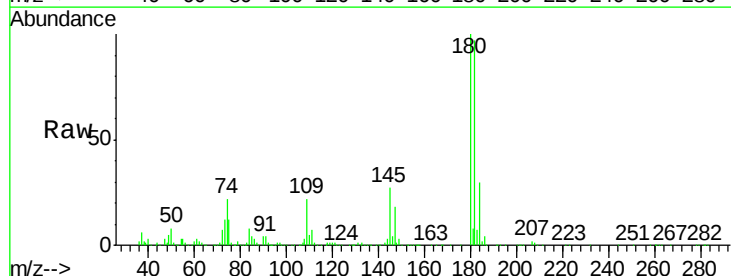


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

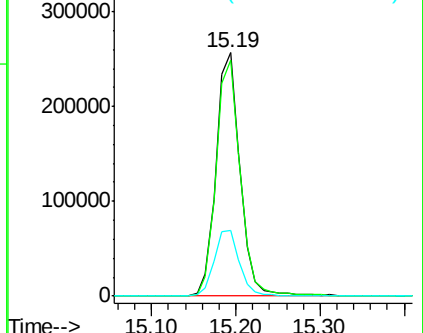
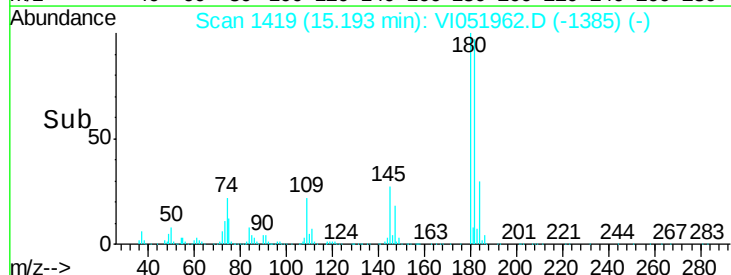


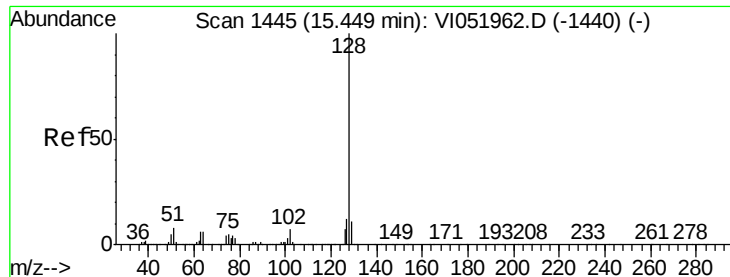
#68
 1,2,4-trichlorobenzene
 Concen: 26.93 ug/L
 RT: 15.19 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: VI051962.D
 Acq: 24 Aug 2017 16:06

Tgt Ion:180 Resp: 508420
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.0 115.4
 145 28.0 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: 28.57 ug/L

RT: 15.45 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

Instrument :

BNA_F

ClientSampleId :

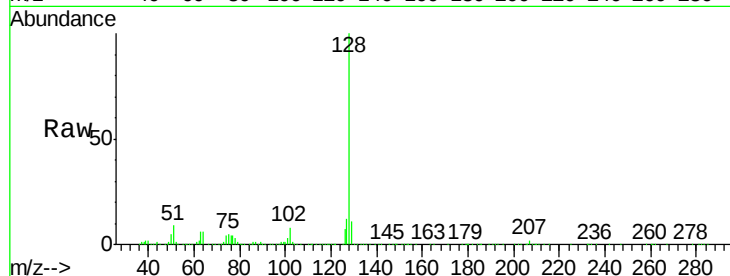
Tot Ion:128 Resp: 901823

Ion Ratio Lower Upper

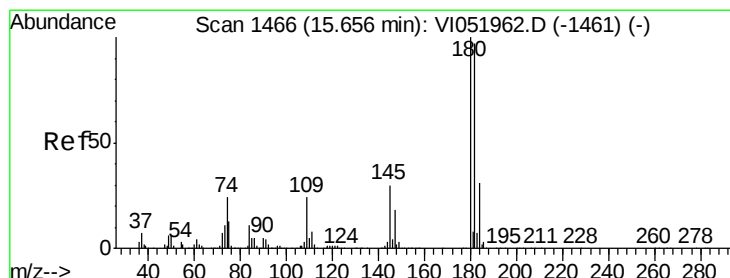
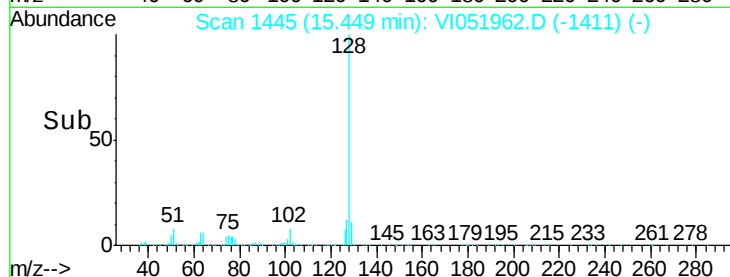
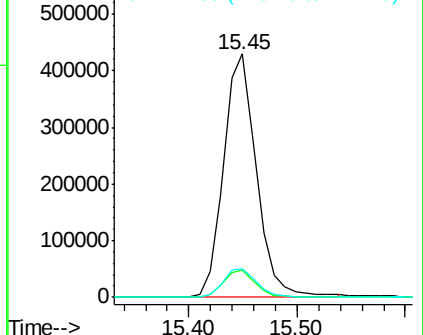
128 100

129 11.1 8.9 13.3

127 12.4 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: 26.72 ug/L

RT: 15.66 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VI051962.D

Acq: 24 Aug 2017 16:06

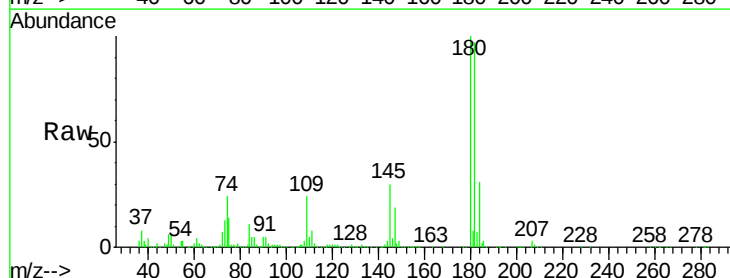
Tgt Ion:180 Resp: 433881

Ion Ratio Lower Upper

180 100

182 97.8 78.2 117.4

145 30.1 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

