

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU062417\
 Data File : VU017688.D
 Acq On : 24 Jun 2017 13:37
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 26 03:47:37 2017
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM062417WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 26 03:45:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	521712	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	478011	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	255521	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	177482	50.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.54%
7) Chloroethane-d5	1.68	69	133089	50.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.46%
11) 1,1-Dichloroethene-d2	2.27	63	295182	49.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.56%
21) 2-Butanone-d5	4.20	46	226303	92.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.90%
24) Chloroform-d	4.65	84	327901	49.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.58%
26) 1,2-Dichloroethane-d4	5.32	65	209124	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.92%
32) Benzene-d6	5.35	84	667877	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.50%
36) 1,2-Dichloropropane-d6	6.34	67	209746	49.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.36%
41) Toluene-d8	7.57	98	631765	50.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.78%
43) trans-1,3-Dichloropropene-	7.92	79	51	0.03	ug/L	0.06
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.06%#
47) 2-Hexanone-d5	8.32	63	211139	102.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.64%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	303721	49.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	266432	49.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	152842	49.237 ug/L	98
3) Chloromethane	1.34	50	180298	48.073 ug/L	100
5) Vinyl chloride	1.40	62	187421	49.058 ug/L	98
6) Bromomethane	1.63	94	95876	59.825 ug/L	98
8) Chloroethane	1.70	64	111192	48.902 ug/L	100
9) Trichlorofluoromethane	1.89	101	237191	49.220 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	131579	48.927 ug/L	100
12) 1,1-Dichloroethene	2.28	96	133988	48.719 ug/L	98
13) Acetone	2.33	43	183549	100.676 ug/L	100
14) Carbon disulfide	2.48	76	356673	51.263 ug/L	99
15) Methyl Acetate	2.62	43	192626	49.227 ug/L	100
16) Methylene chloride	2.70	84	160071	46.847 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	148264	49.729 ug/L	99
18) Methyl tert-butyl Ether	3.01	73	460031	48.851 ug/L	100
19) 1,1-Dichloroethane	3.45	63	292068	48.986 ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	186031	49.649 ug/L	100
22) 2-Butanone	4.29	43	298502	101.279 ug/L	99

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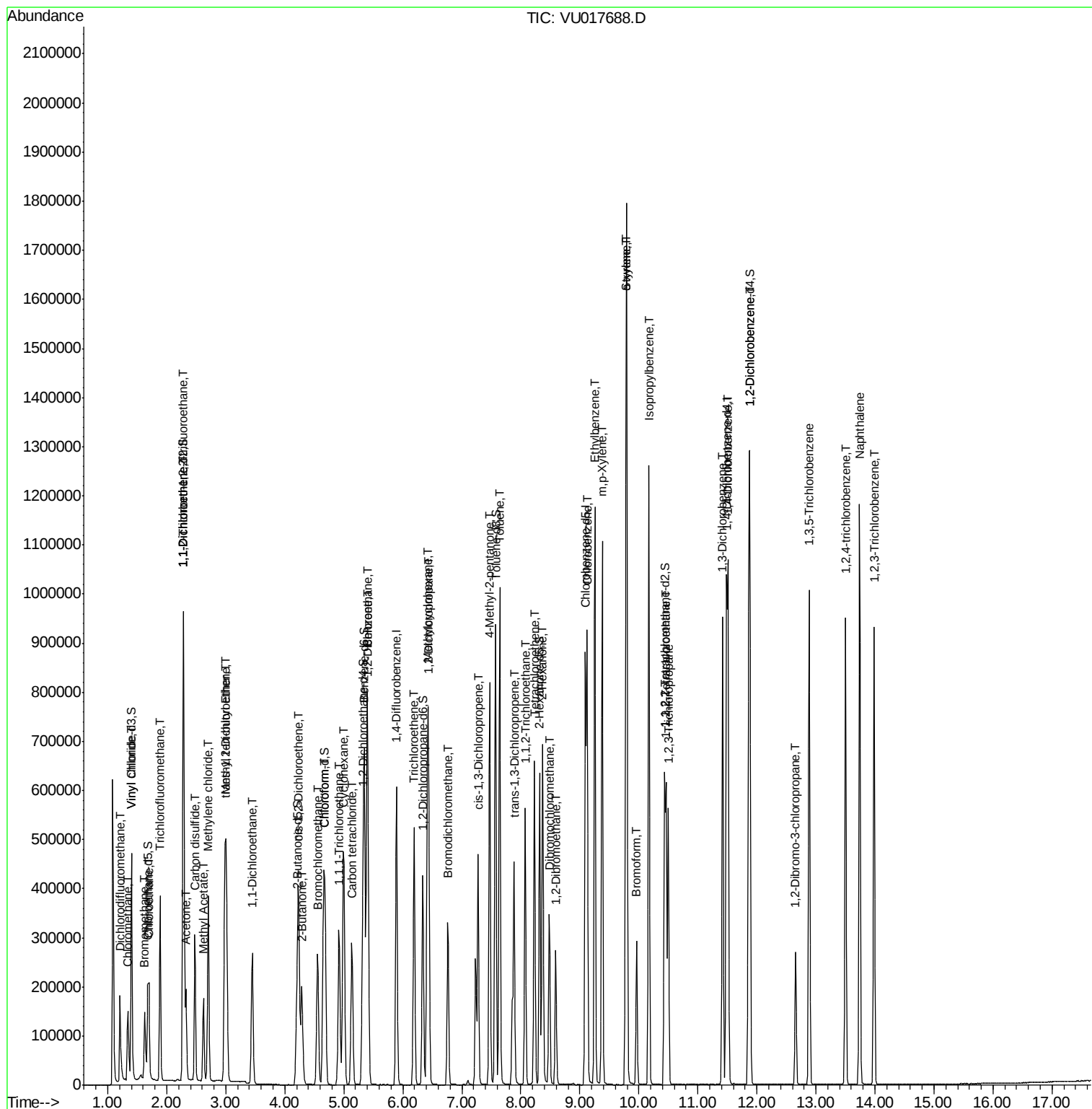
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	92026	48.684	ug/L	96
25) Chloroform	4.68	83	302271	48.500	ug/L	99
27) 1,2-Dichloroethane	5.41	62	240118	48.666	ug/L	100
29) Cyclohexane	5.00	56	259214	50.231	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	241777	49.711	ug/L	100
31) Carbon tetrachloride	5.14	117	210726	50.609	ug/L	100
33) Benzene	5.39	78	676682	49.448	ug/L	100
34) Trichloroethene	6.19	95	180323	49.776	ug/L	98
35) Methylcyclohexane	6.42	83	274246	50.405	ug/L	99
37) 1,2-Dichloropropane	6.44	63	178315	49.347	ug/L	99
38) Bromodichloromethane	6.76	83	211720	49.942	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	271598	51.883	ug/L	100
40) 4-Methyl-2-pentanone	7.47	43	530958	101.327	ug/L	100
42) Toluene	7.64	91	736656	49.578	ug/L	100
44) trans-1,3-Dichloropropene	7.89	75	242247	52.342	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	173270	49.407	ug/L	99
46) Tetrachloroethene	8.23	164	154032	49.764	ug/L	99
48) 2-Hexanone	8.37	43	418613	102.043	ug/L	99
49) Dibromochloromethane	8.48	129	177130	50.785	ug/L	98
50) 1,2-Dibromoethane	8.59	107	181851	49.689	ug/L	98
51) Chlorobenzene	9.12	112	483229	49.071	ug/L	99
52) Ethylbenzene	9.25	91	826496	50.104	ug/L	100
53) m,p-Xylene	9.38	106	309903	49.511	ug/L	100
54) o-xylene	9.78	106	303674	49.497	ug/L	99
55) Styrene	9.80	104	538321	50.196	ug/L	99
56) Isopropylbenzene	10.17	105	799385	50.056	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	291172	49.397	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	227054	48.888	ug/L	100
61) Bromoform	9.96	173	131484	50.674	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	399150	49.315	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	408002	49.083	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	402258	49.652	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	63006	51.802	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	333673	51.733	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	305729	52.045	ug/L	100
69) Naphthalene	13.74	128	927960	53.240	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	307271	52.204	ug/L	100

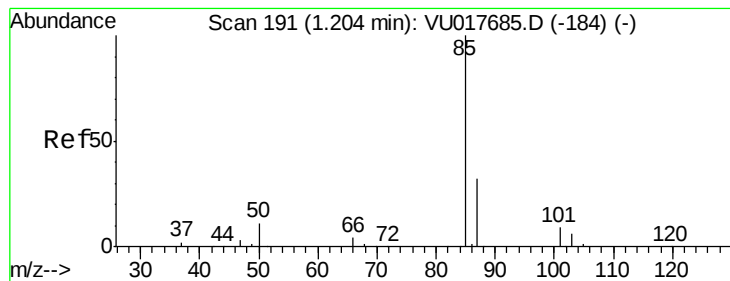
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial  : 7   Sample Multiplier: 1
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Instrument :
BNA_M
ClientSampleId :

Quant Time: Jun 26 03:47:37 2017
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 49.237 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

Instrument :

BNA_M

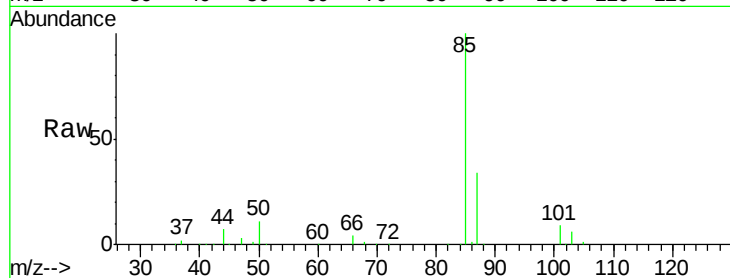
ClientSampled :

Tgt Ion: 85 Resp: 152842

Ion Ratio Lower Upper

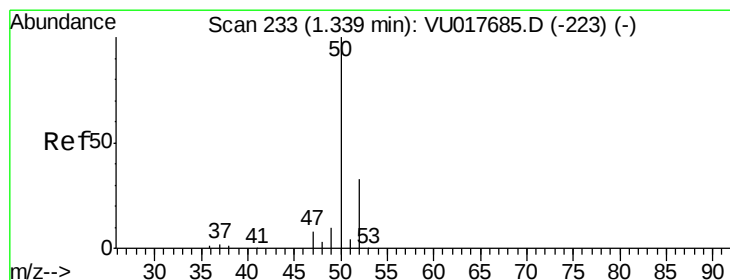
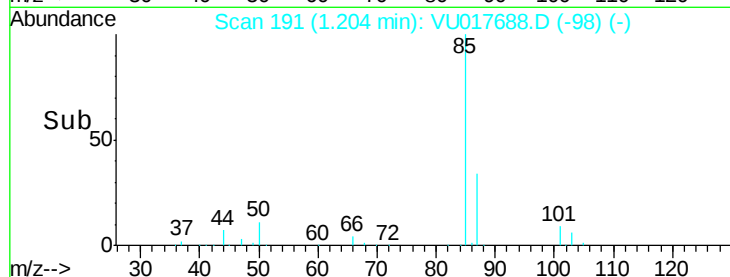
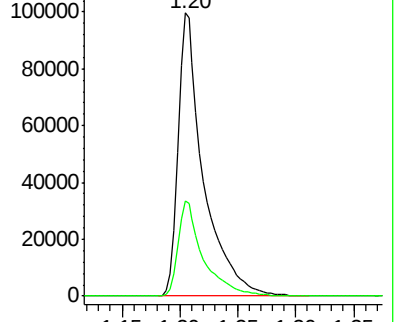
85 100

87 33.1 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU017688.D (-184) (-)

Ion 87.00 (86.70 to 87.70): VU017688.D (-184) (-)



#3

Chloromethane

Concen: 48.073 ug/L

RT: 1.34 min Scan# 233

Delta R.T. 0.00 min

Lab File: VU017688.D

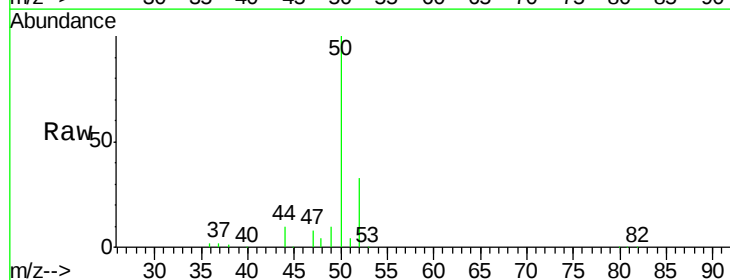
Acq: 24 Jun 2017 13:37

Tgt Ion: 50 Resp: 180298

Ion Ratio Lower Upper

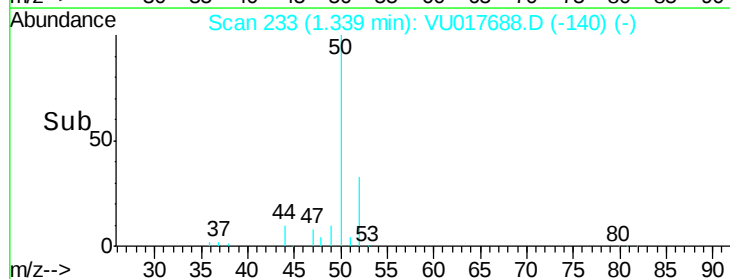
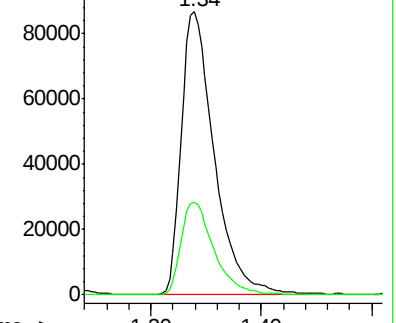
50 100

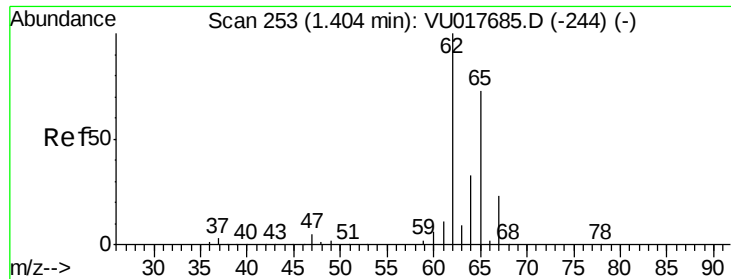
52 32.9 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU017688.D (-140) (-)

Ion 52.00 (51.70 to 52.70): VU017688.D (-140) (-)





#5

Vinyl chloride

Concen: 49.058 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

Instrument :

BNA_M

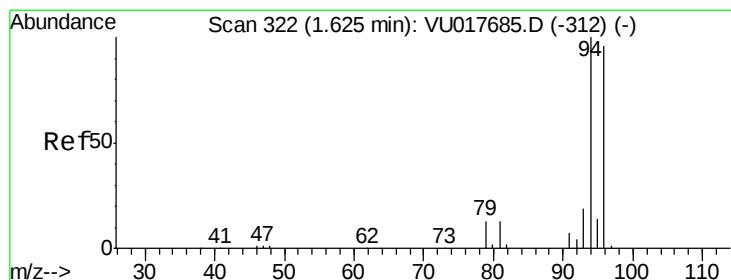
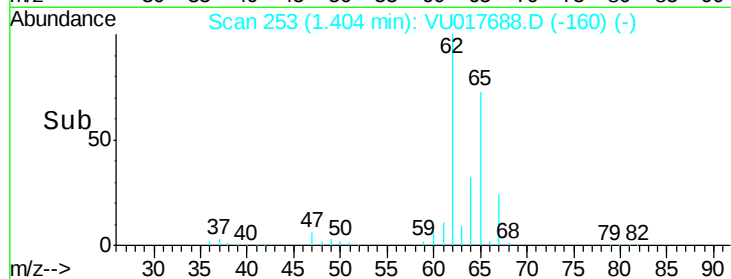
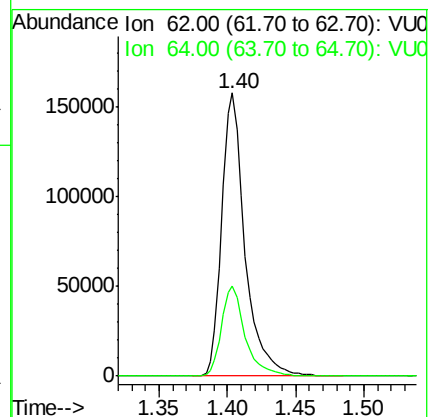
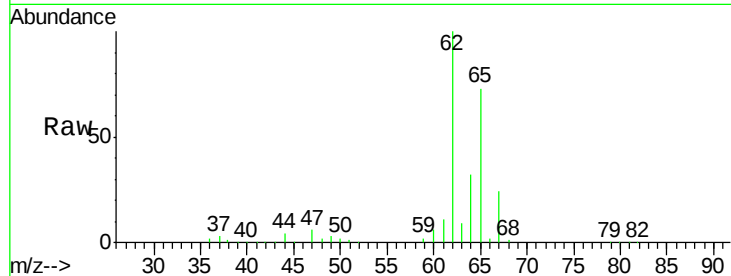
ClientSampleId :

Tgt Ion: 62 Resp: 187421

Ion Ratio Lower Upper

62 100

64 31.9 23.0 42.6



#6

Bromomethane

Concen: 59.825 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU017688.D

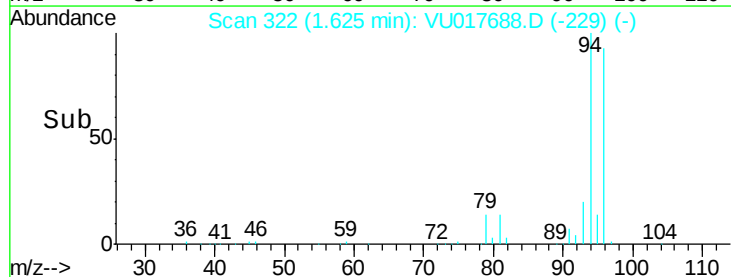
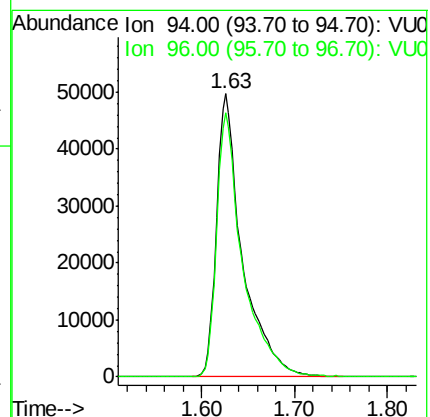
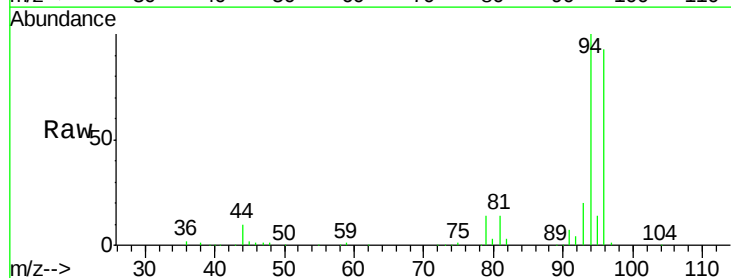
Acq: 24 Jun 2017 13:37

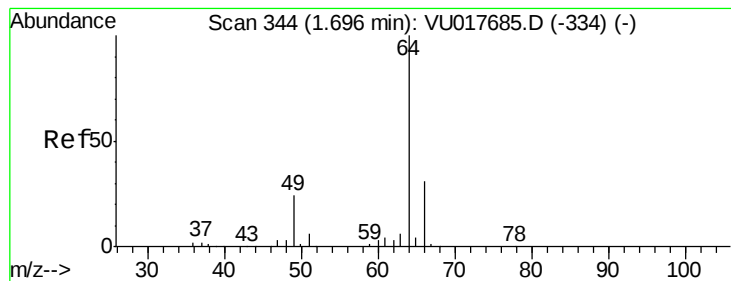
Tgt Ion: 94 Resp: 95876

Ion Ratio Lower Upper

94 100

96 93.2 66.8 124.2





#8

Chloroethane

Concen: 48.902 ug/L

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

Instrument :

BNA_M

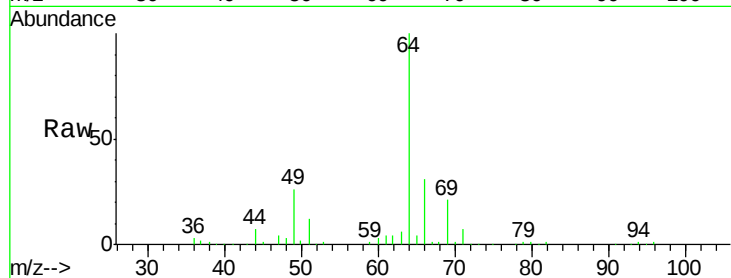
ClientSampleId :

Tgt Ion: 64 Resp: 111192

Ion Ratio Lower Upper

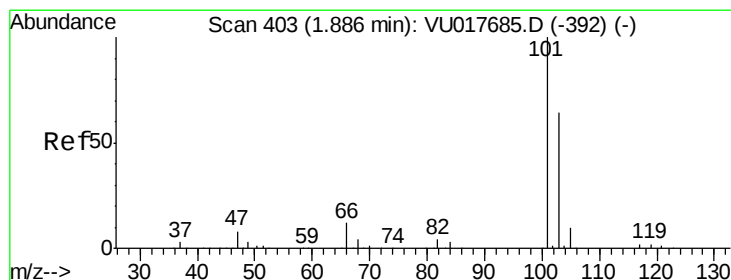
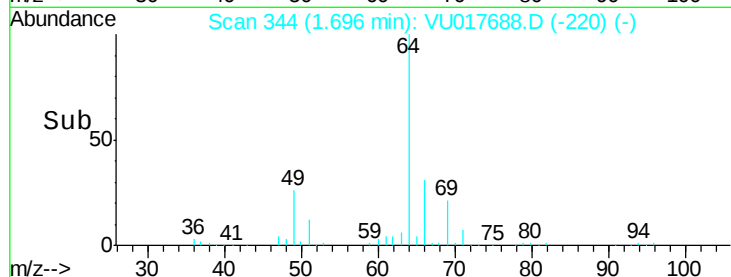
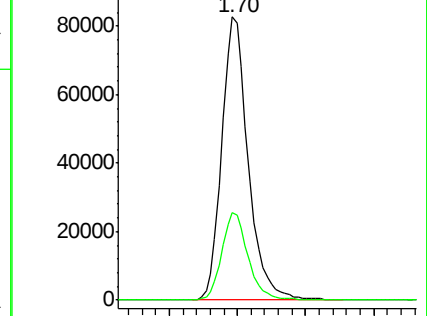
64 100

66 30.7 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VU017688.D (-334) (-)

Ion 66.00 (65.70 to 66.70): VU017688.D (-334) (-)



#9

Trichlorofluoromethane

Concen: 49.220 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU017688.D

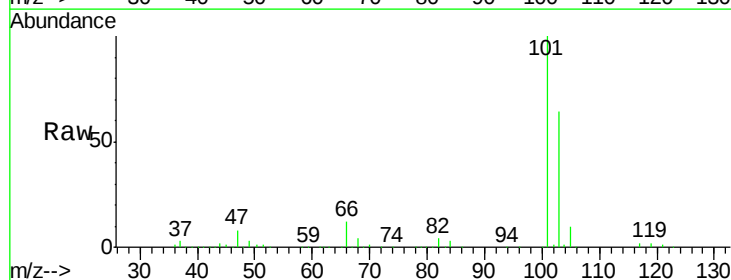
Acq: 24 Jun 2017 13:37

Tgt Ion: 101 Resp: 237191

Ion Ratio Lower Upper

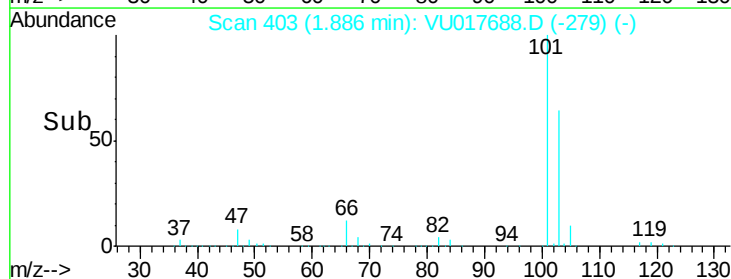
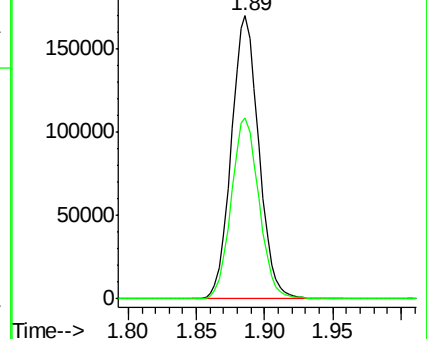
101 100

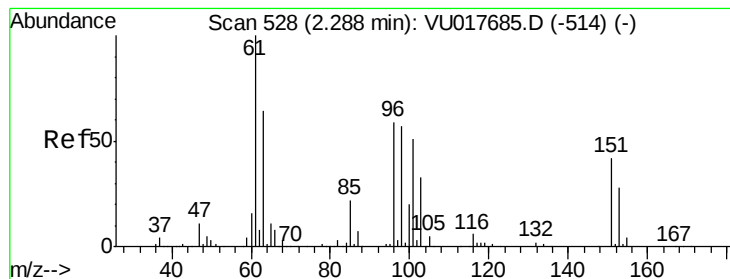
103 64.7 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU017688.D (-392) (-)

Ion 103.00 (102.70 to 103.70): VU017688.D (-392) (-)





#10

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

Concen: 48.927 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

Instrument :

BNA_M

ClientSampleId :

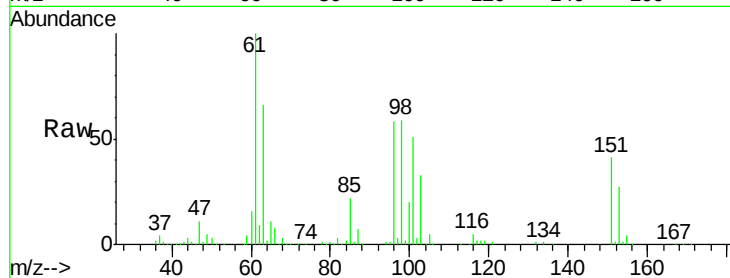
Tgt Ion: 101 Resp: 131579

Ion Ratio Lower Upper

101 100

85 42.4 33.7 50.5

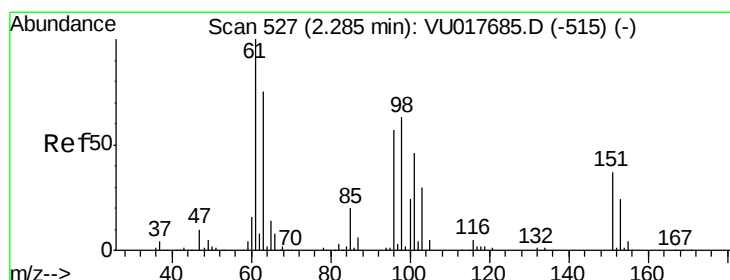
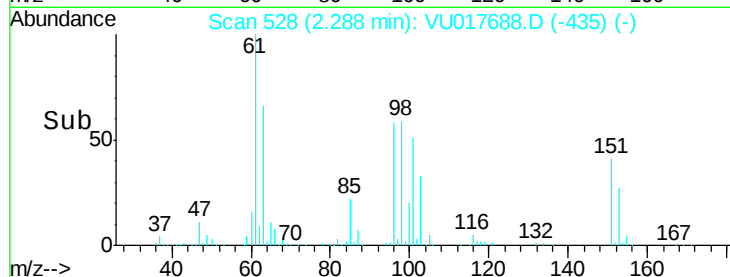
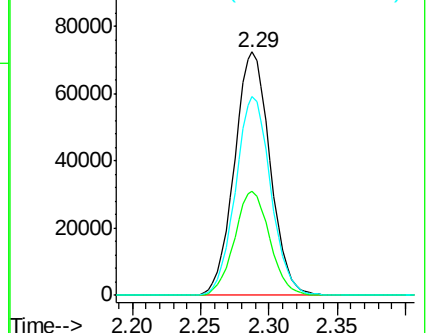
151 80.6 64.8 97.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.719 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

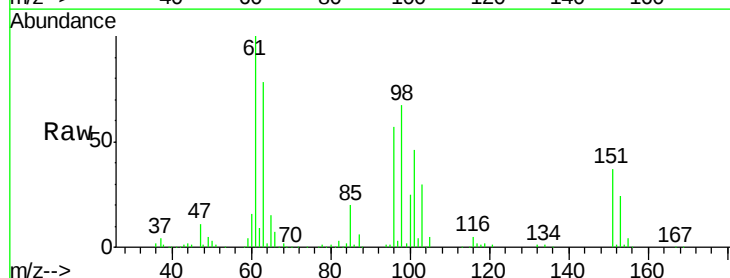
Tgt Ion: 96 Resp: 133988

Ion Ratio Lower Upper

96 100

61 177.0 122.5 227.5

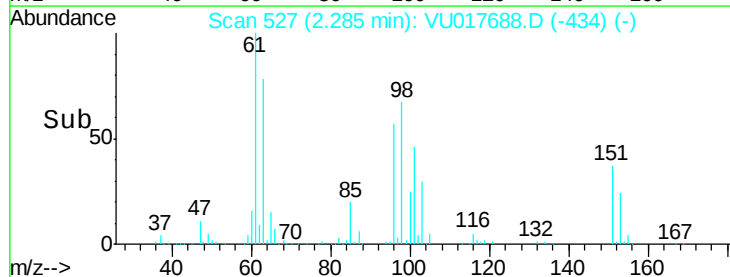
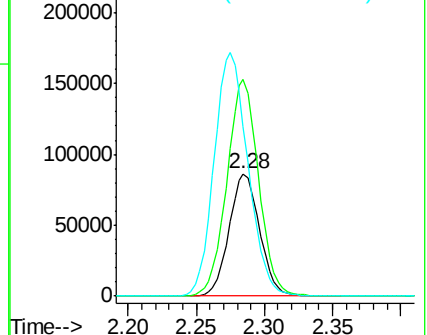
63 138.2 94.1 174.7

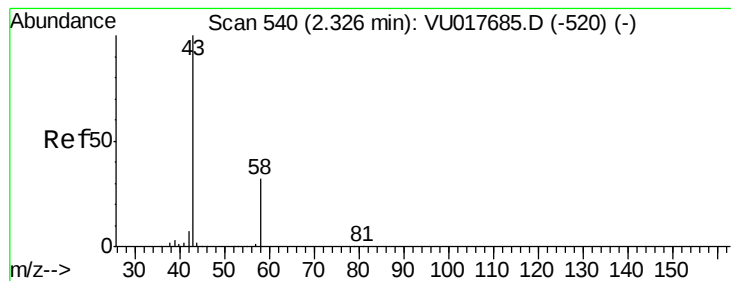


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 100.676 ug/L

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

Instrument :

BNA_M

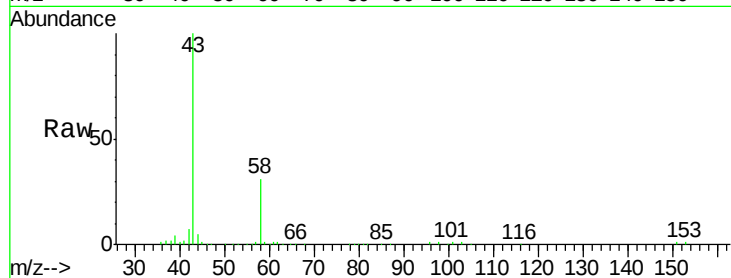
ClientSampleId :

Tgt Ion: 43 Resp: 183549

Ion Ratio Lower Upper

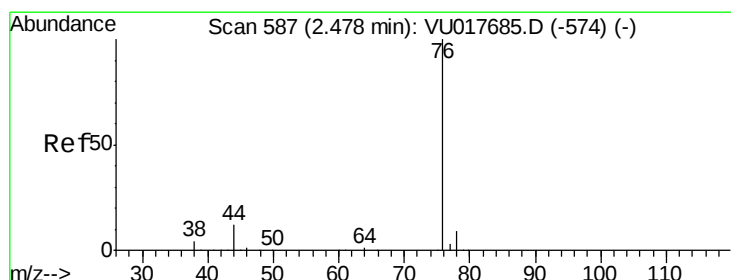
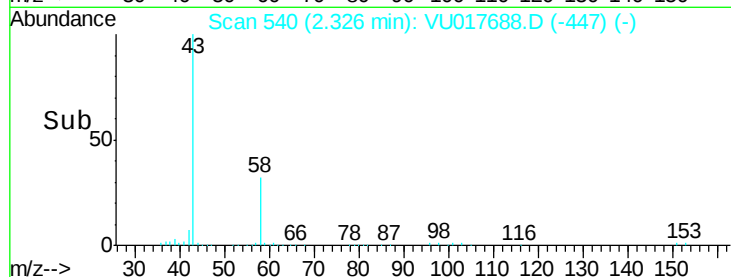
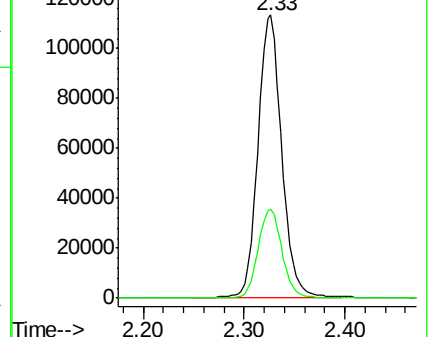
43 100

58 31.9 0.0 64.2



Abundance Ion 43.00 (42.70 to 43.70): VU017688.D (-447) (-)

Ion 58.00 (57.70 to 58.70): VU017688.D (-447) (-)



#14

Carbon disulfide

Concen: 51.263 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU017688.D

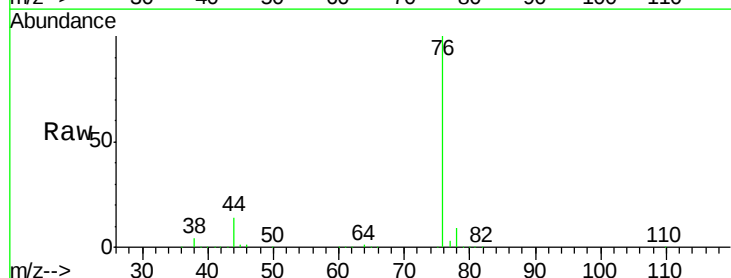
Acq: 24 Jun 2017 13:37

Tgt Ion: 76 Resp: 356673

Ion Ratio Lower Upper

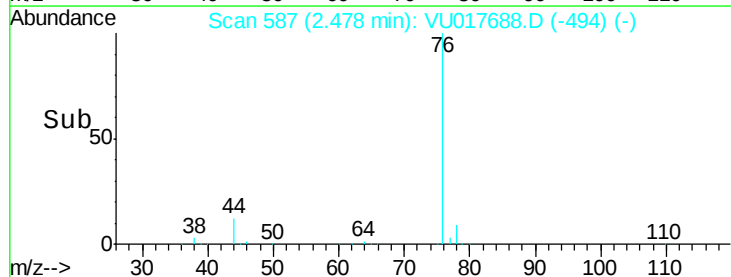
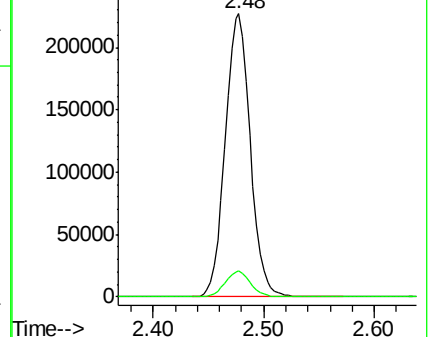
76 100

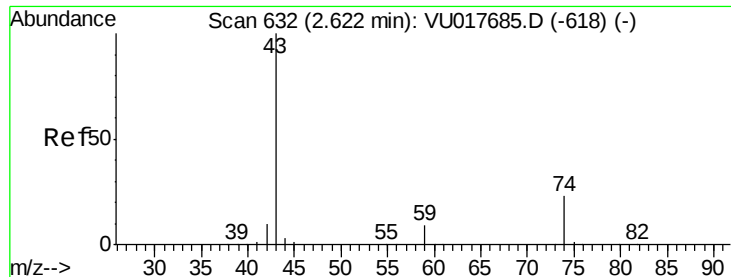
78 9.0 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU017688.D (-494) (-)

Ion 78.00 (77.70 to 78.70): VU017688.D (-494) (-)





#15

Methyl Acetate

Concen: 49.227 ug/L

RT: 2.62 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

Instrument :

BNA_M

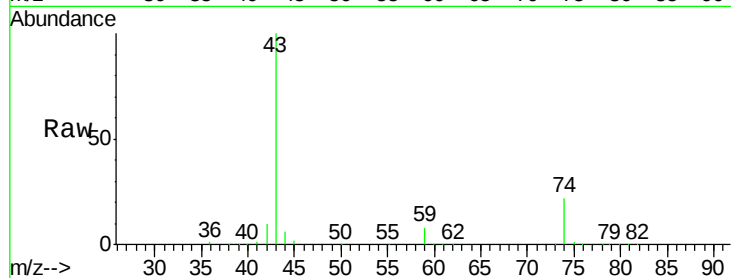
ClientSampled :

Tgt Ion: 43 Resp: 192626

Ion Ratio Lower Upper

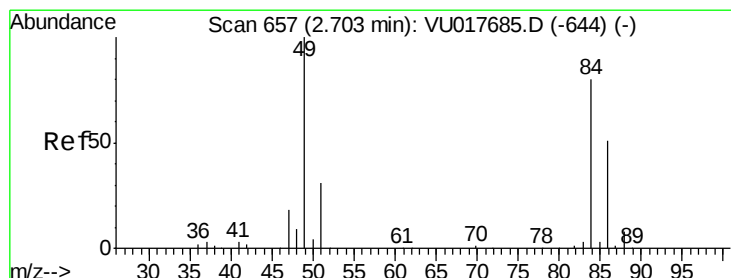
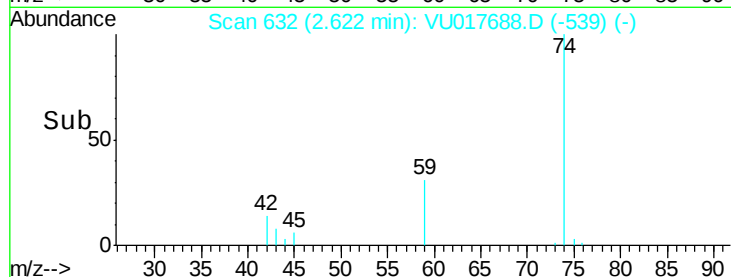
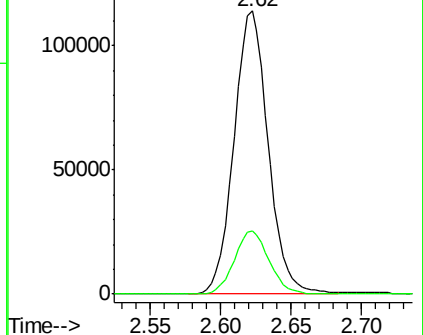
43 100

74 22.9 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VU017688.D (-539) (-)

Ion 74.00 (73.70 to 74.70): VU017688.D (-539) (-)



#16

Methylene chloride

Concen: 46.847 ug/L

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

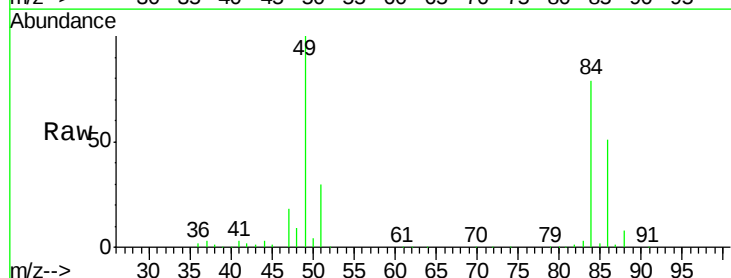
Tgt Ion: 84 Resp: 160071

Ion Ratio Lower Upper

84 100

86 64.3 45.0 83.6

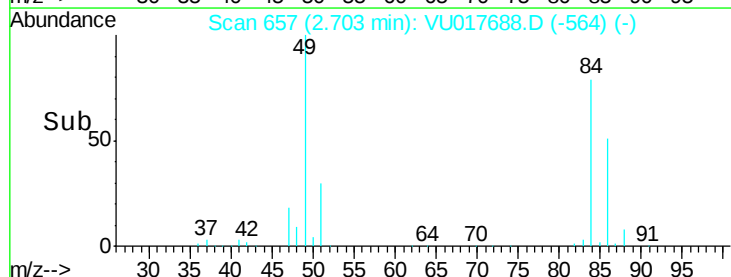
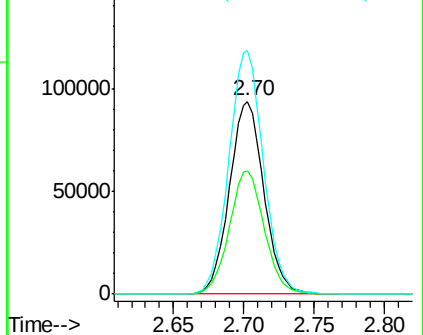
49 126.4 87.6 162.6

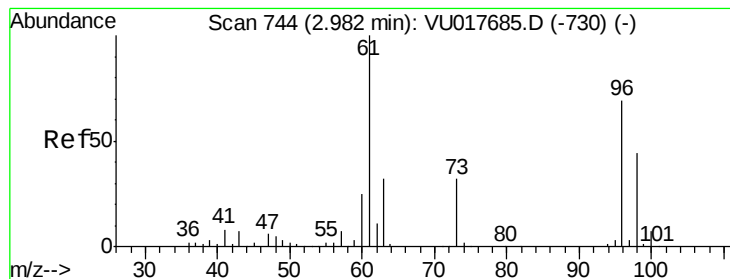


Abundance Ion 84.00 (83.70 to 84.70): VU017688.D (-564) (-)

Ion 86.00 (85.70 to 86.70): VU017688.D (-564) (-)

Ion 49.00 (48.70 to 49.70): VU017688.D (-564) (-)





#17

trans-1,2-Dichloroethene

Concen: 49.729 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

Instrument :

BNA_M

ClientSampleId :

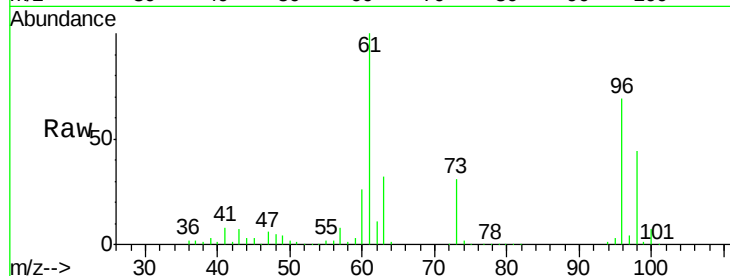
Tgt Ion: 96 Resp: 148264

Ion Ratio Lower Upper

96 100

61 145.0 102.0 189.4

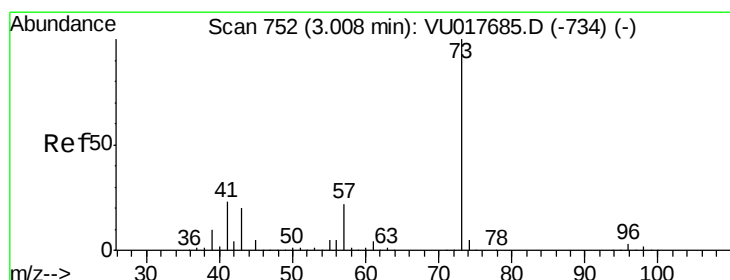
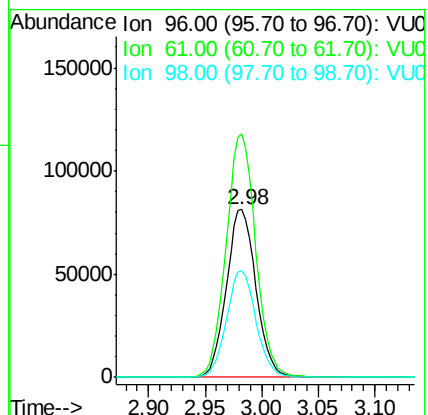
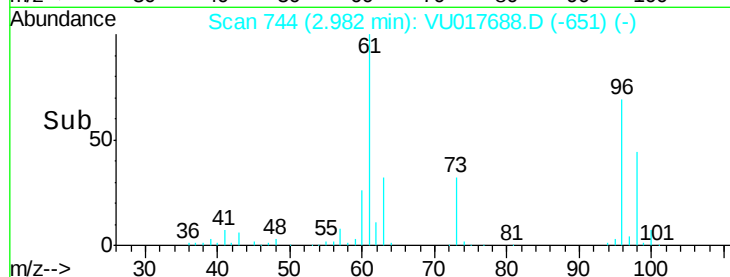
98 63.8 45.0 83.6



Abundance Ion 96.00 (95.70 to 96.70): VU017688.D (-651) (-)

Ion 61.00 (60.70 to 61.70): VU017688.D (-651) (-)

Ion 98.00 (97.70 to 98.70): VU017688.D (-651) (-)



#18

Methyl tert-butyl Ether

Concen: 48.851 ug/L

RT: 3.01 min Scan# 752

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

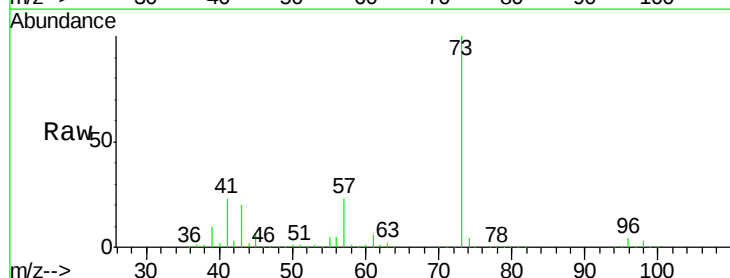
Tgt Ion: 73 Resp: 460031

Ion Ratio Lower Upper

73 100

43 19.7 15.8 23.6

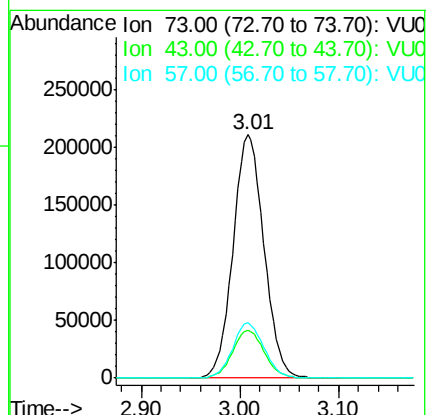
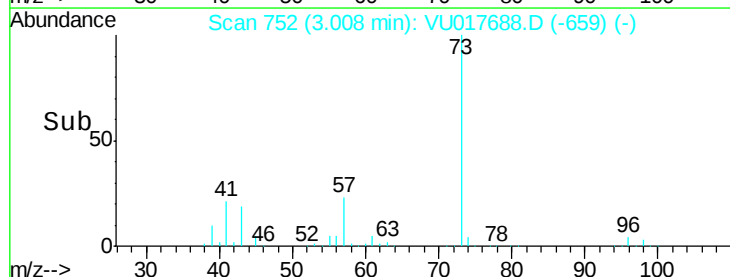
57 23.0 18.1 27.1

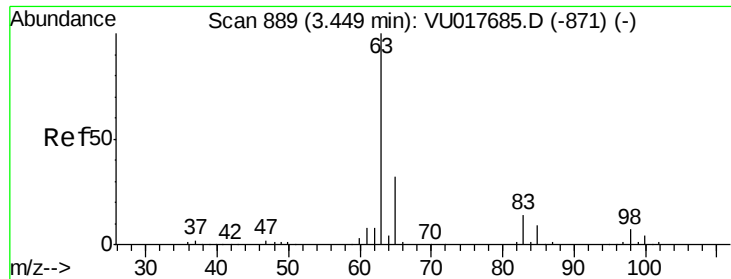


Abundance Ion 73.00 (72.70 to 73.70): VU017688.D (-659) (-)

Ion 43.00 (42.70 to 43.70): VU017688.D (-659) (-)

Ion 57.00 (56.70 to 57.70): VU017688.D (-659) (-)

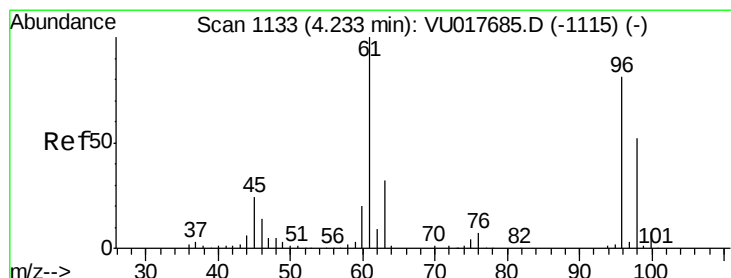
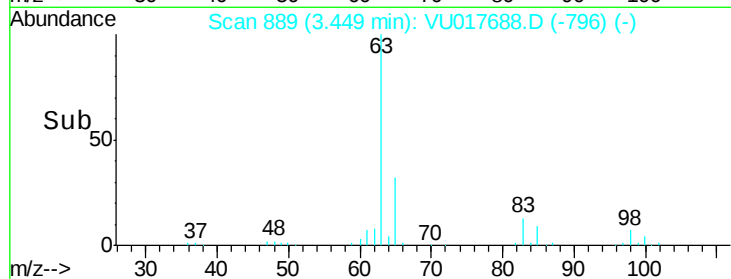
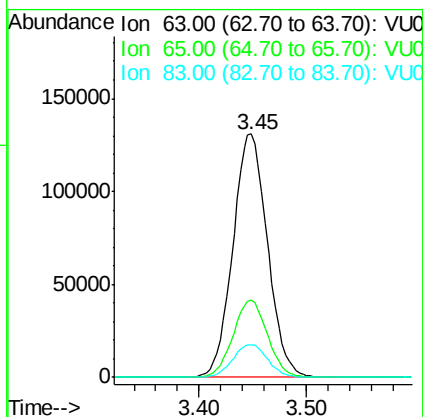
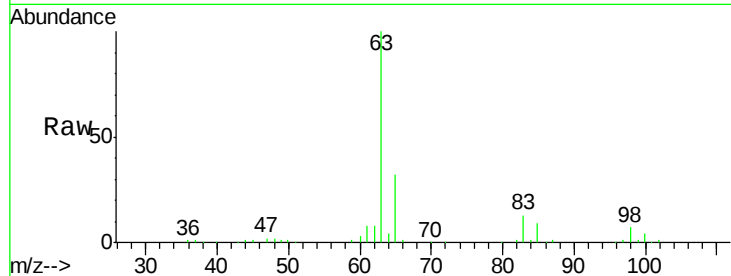




#19
 1,1-Dichloroethane
 Concen: 48.986 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU017688.D
 Acq: 24 Jun 2017 13:37

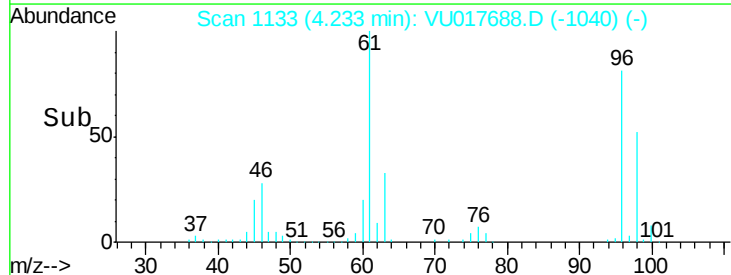
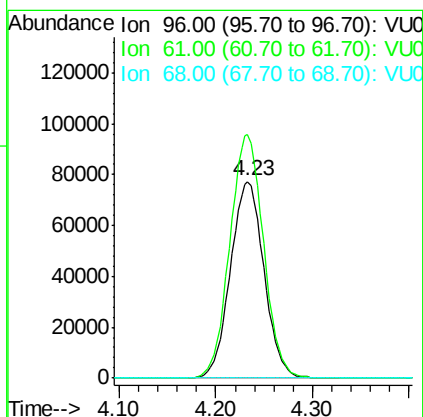
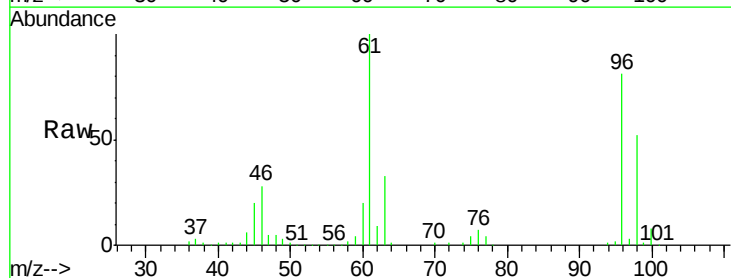
Instrument :
 BNA_M
 ClientSampleId :

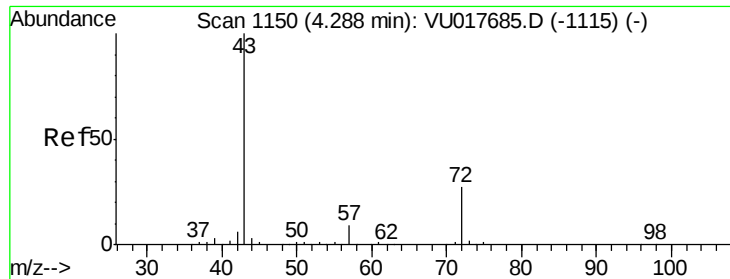
Tgt Ion: 63 Resp: 292068
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.2 41.2
 83 13.5 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 49.649 ug/L
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU017688.D
 Acq: 24 Jun 2017 13:37

Tgt Ion: 96 Resp: 186031
 Ion Ratio Lower Upper
 96 100
 61 123.9 87.1 161.7
 68 0.0 0.0 0.0

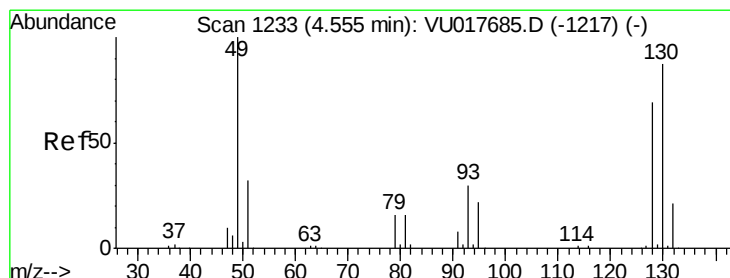
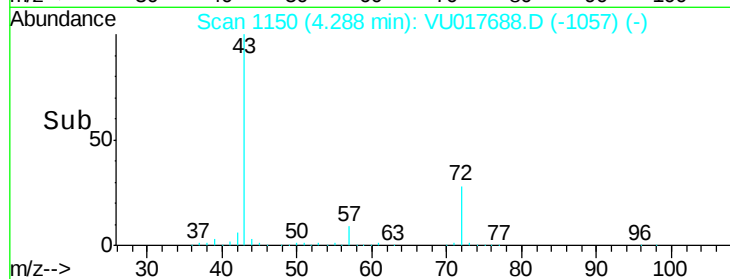
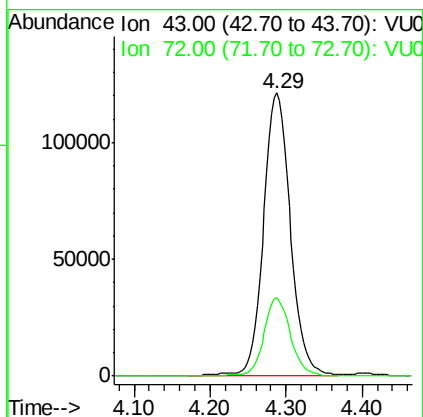
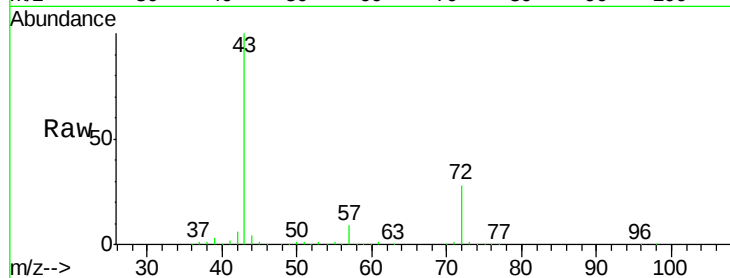




#22
2-Butanone
Concen: 101.279 ug/L
RT: 4.29 min Scan# 1150
Delta R.T. 0.00 min
Lab File: VU017688.D
Acq: 24 Jun 2017 13:37

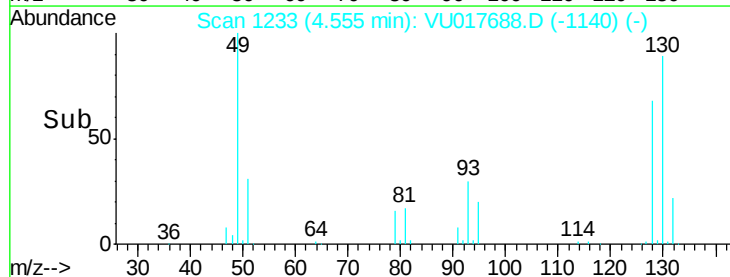
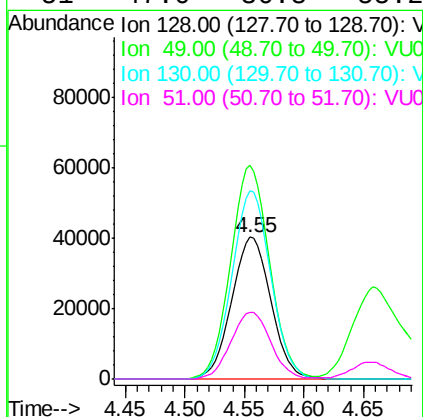
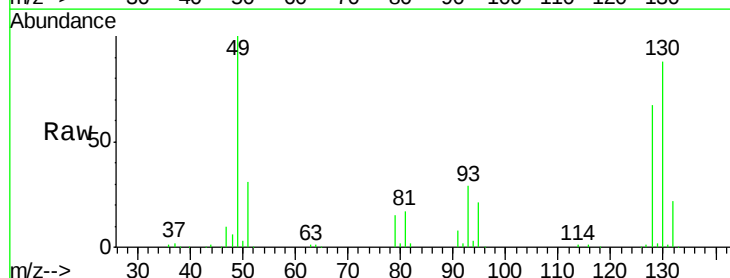
Instrument :
BNA_M
ClientSampled :

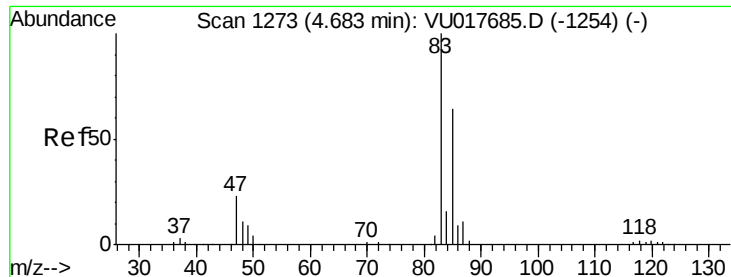
Tgt Ion: 43 Resp: 298502
Ion Ratio Lower Upper
43 100
72 27.4 13.4 40.1



#23
Bromochloromethane
Concen: 48.684 ug/L
RT: 4.55 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU017688.D
Acq: 24 Jun 2017 13:37

Tgt Ion: 128 Resp: 92026
Ion Ratio Lower Upper
128 100
49 150.3 101.6 188.8
130 132.3 88.1 163.5
51 47.0 36.8 55.2

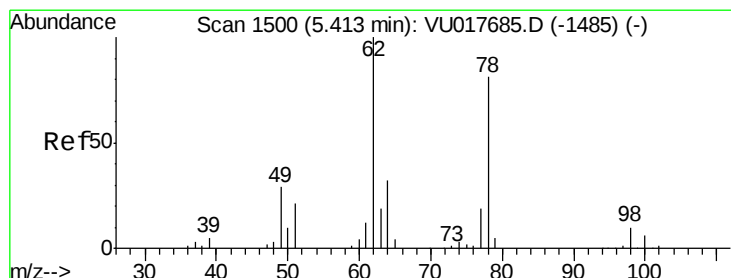
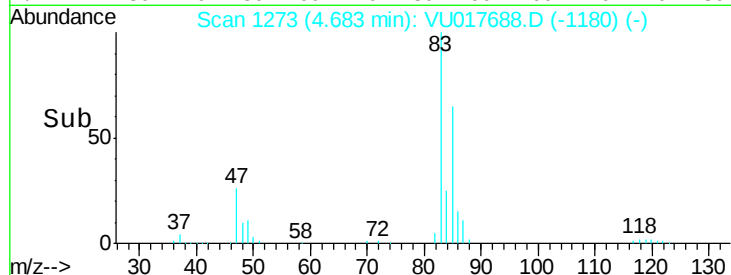
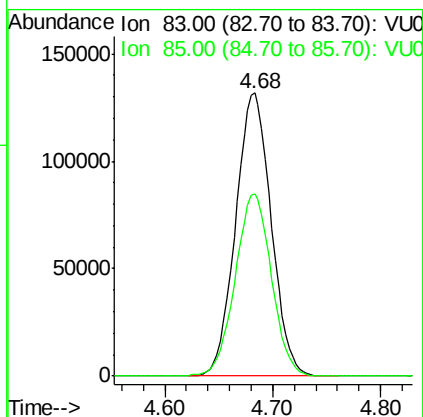
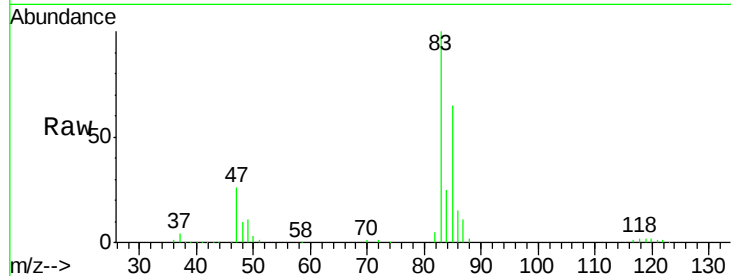




#25
Chloroform
Concen: 48.500 ug/L
RT: 4.68 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU017688.D
Acq: 24 Jun 2017 13:37

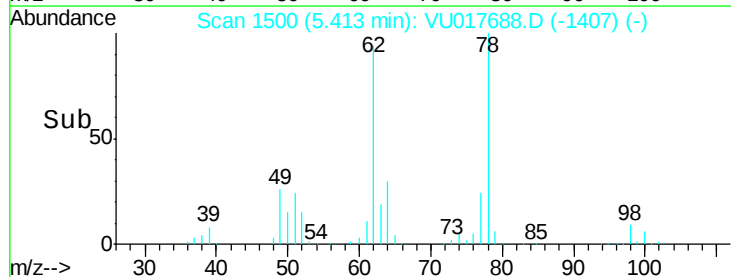
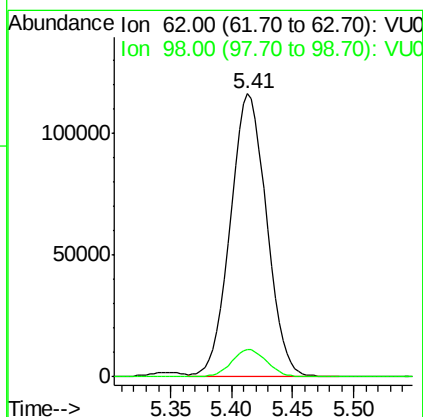
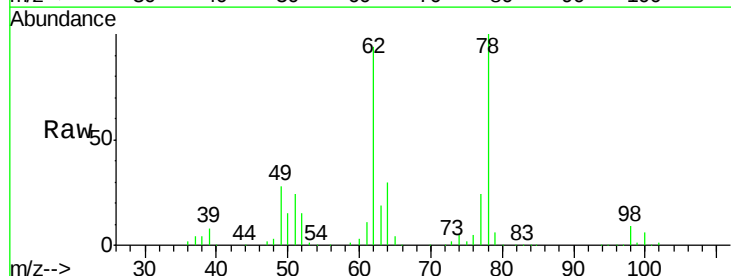
Instrument :
BNA_M
ClientSampleId :

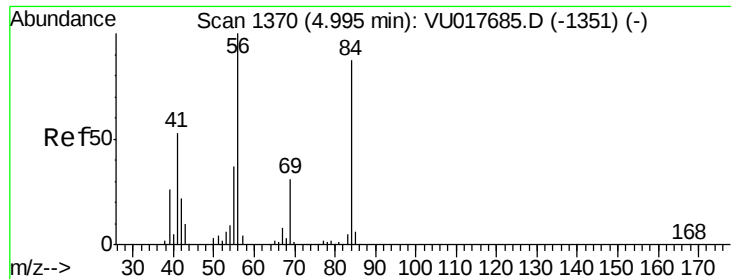
Tgt Ion: 83 Resp: 302271
Ion Ratio Lower Upper
83 100
85 64.6 44.9 83.3



#27
1,2-Dichloroethane
Concen: 48.666 ug/L
RT: 5.41 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VU017688.D
Acq: 24 Jun 2017 13:37

Tgt Ion: 62 Resp: 240118
Ion Ratio Lower Upper
62 100
98 9.6 7.7 11.5

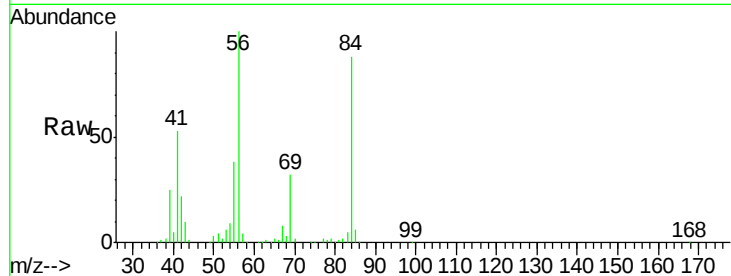




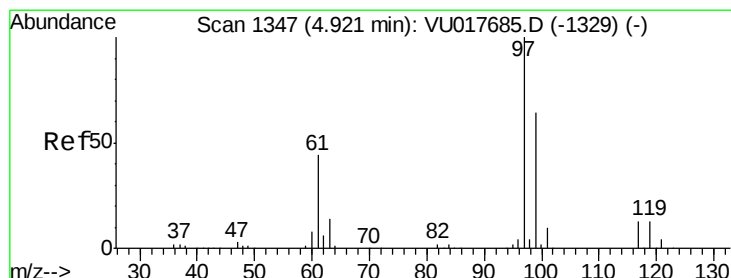
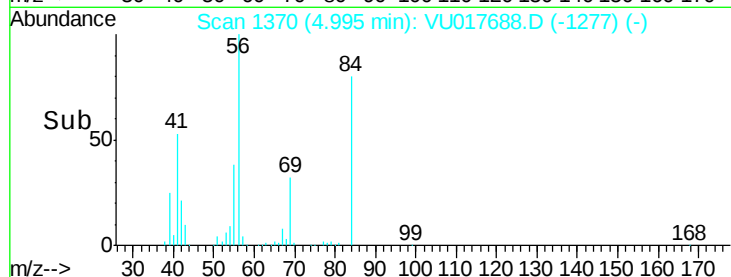
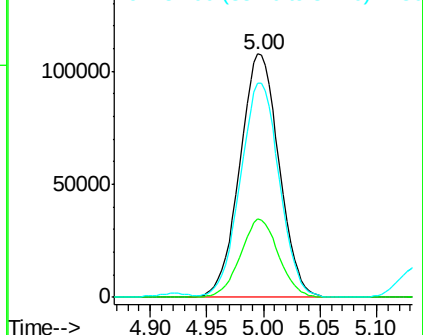
#29
Cyclohexane
Concen: 50.231 ug/L
RT: 5.00 min Scan# 1370
Delta R.T. 0.00 min
Lab File: VU017688.D
Acq: 24 Jun 2017 13:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 56 Resp: 259214
Ion Ratio Lower Upper
56 100
69 31.3 24.8 37.2
84 87.9 70.1 105.1

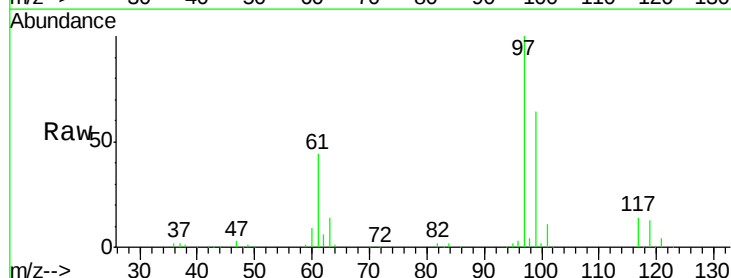


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

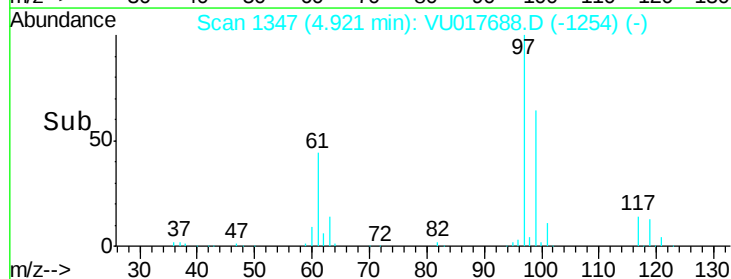
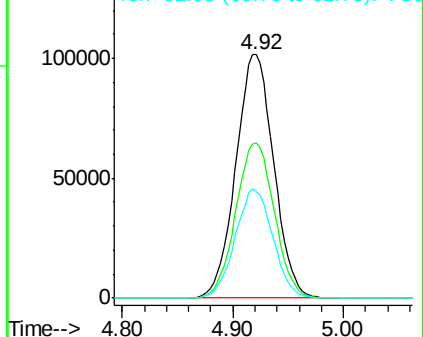


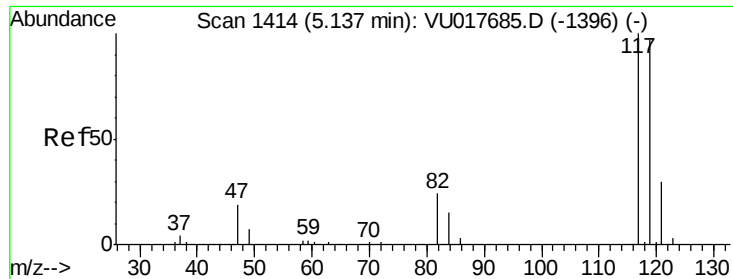
#30
1,1,1-Trichloroethane
Concen: 49.711 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU017688.D
Acq: 24 Jun 2017 13:37

Tgt Ion: 97 Resp: 241777
Ion Ratio Lower Upper
97 100
99 64.9 51.8 77.6
61 44.7 35.8 53.8



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 50.609 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

Instrument :

BNA_M

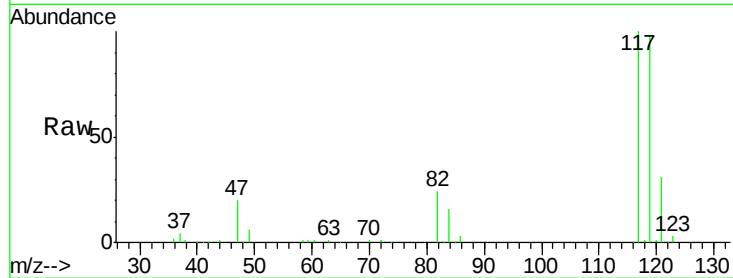
ClientSampled :

Tgt Ion:117 Resp: 210726

Ion Ratio Lower Upper

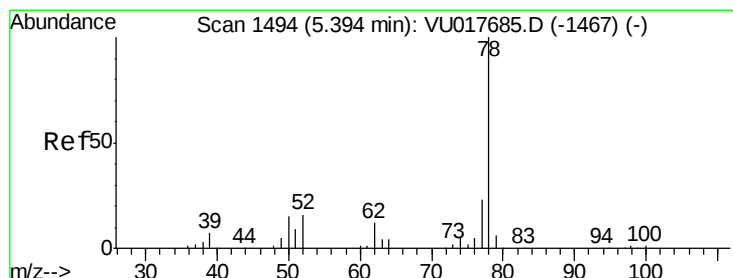
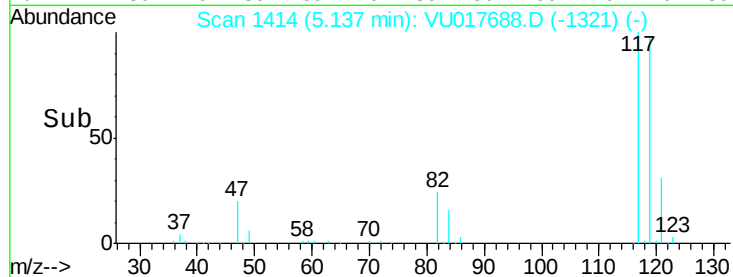
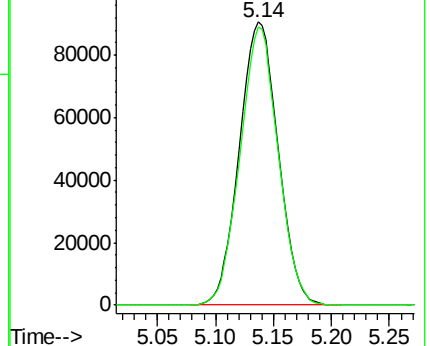
117 100

119 96.4 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.448 ug/L

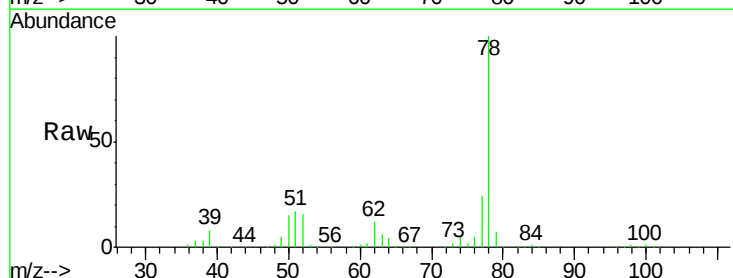
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

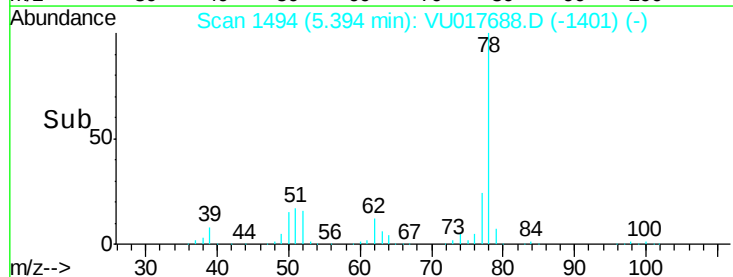
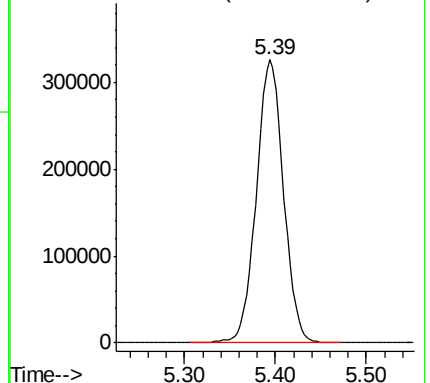
Lab File: VU017688.D

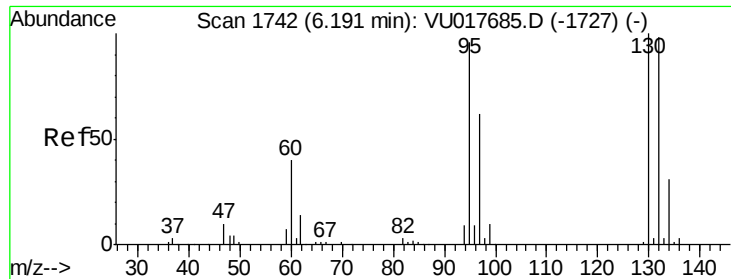
Acq: 24 Jun 2017 13:37

Tgt Ion: 78 Resp: 676682



Abundance Ion 78.00 (77.70 to 78.70): VU0

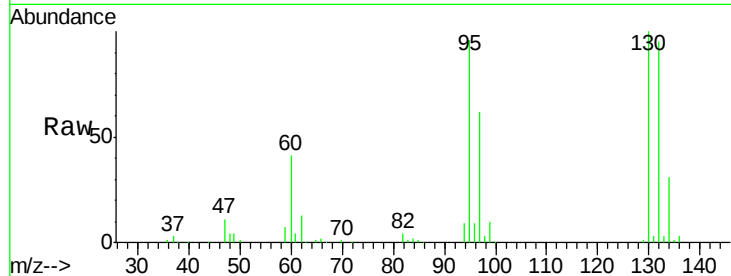




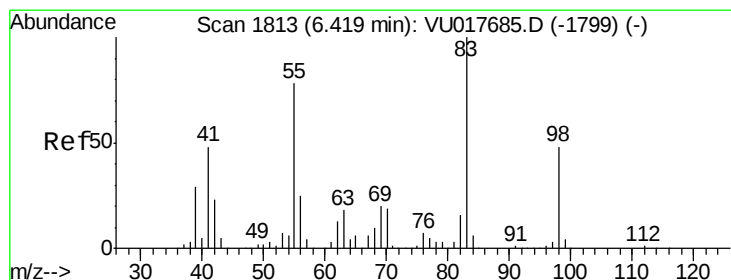
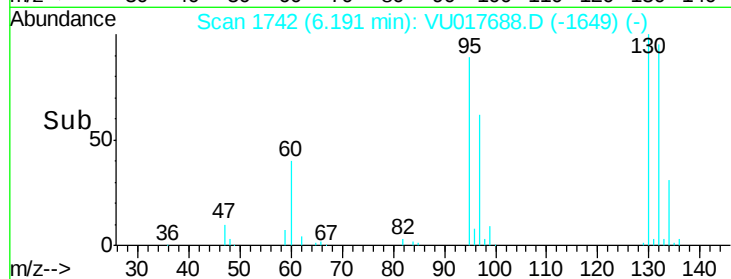
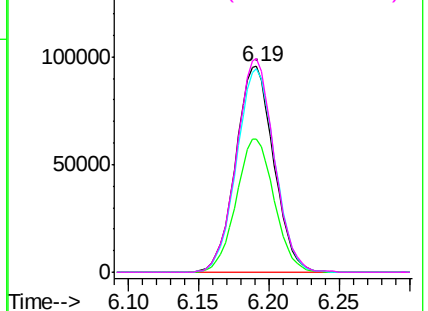
#34
 Trichloroethene
 Concen: 49.776 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU017688.D
 Acq: 24 Jun 2017 13:37

Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion: 95 Resp: 180323
 Ion Ratio Lower Upper
 95 100
 97 64.9 45.8 85.0
 132 98.8 71.5 132.9
 130 103.9 73.2 136.0

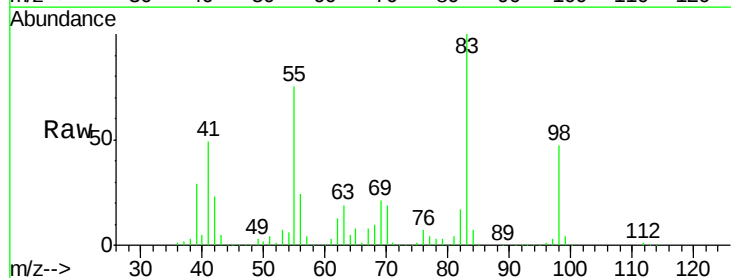


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

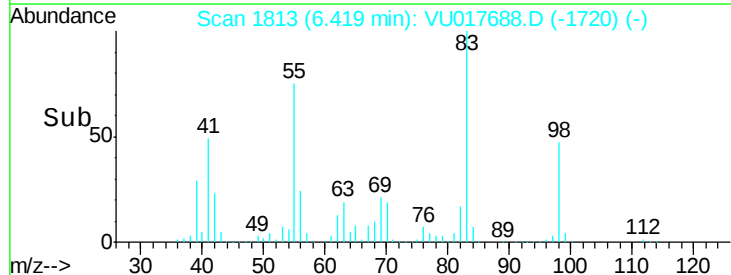
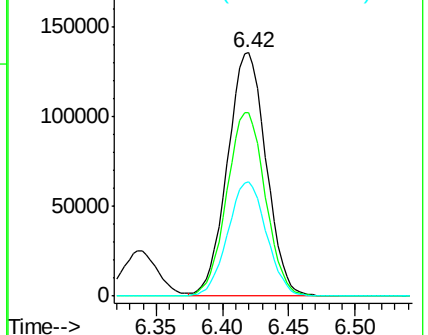


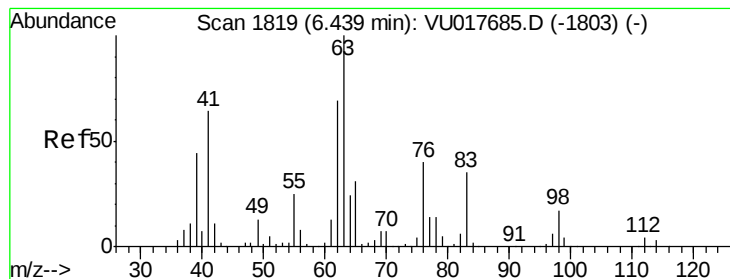
#35
 Methylcyclohexane
 Concen: 50.405 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU017688.D
 Acq: 24 Jun 2017 13:37

Tgt Ion: 83 Resp: 274246
 Ion Ratio Lower Upper
 83 100
 55 75.9 61.8 92.6
 98 47.2 37.8 56.8



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 49.347 ug/L

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

Instrument :

BNA_M

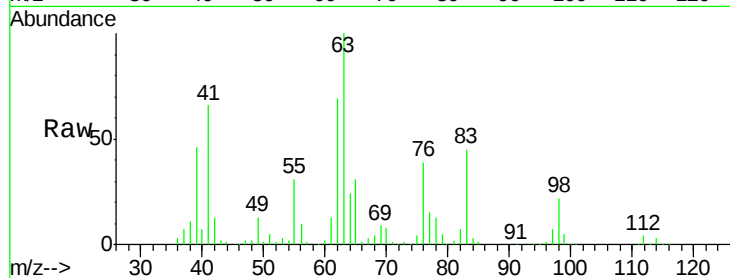
ClientSampleId :

Tgt Ion: 63 Resp: 178315

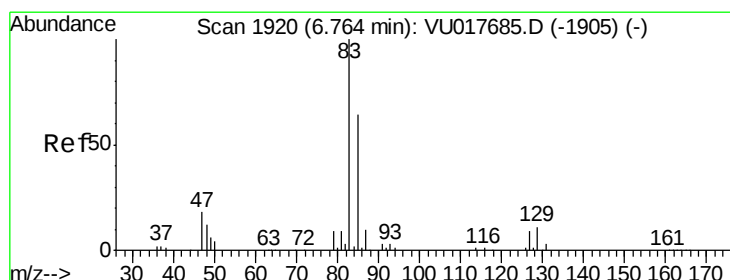
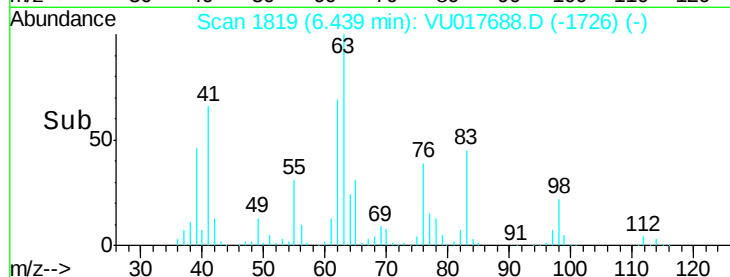
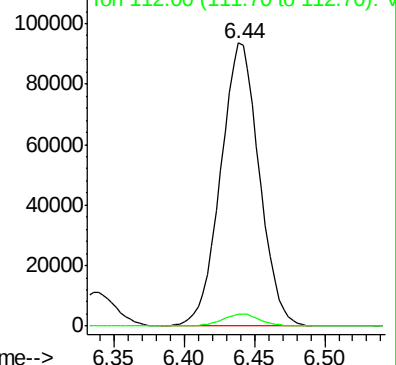
Ion Ratio Lower Upper

63 100

112 4.1 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU017688.D (-1726) (-)



#38

Bromodichloromethane

Concen: 49.942 ug/L

RT: 6.76 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

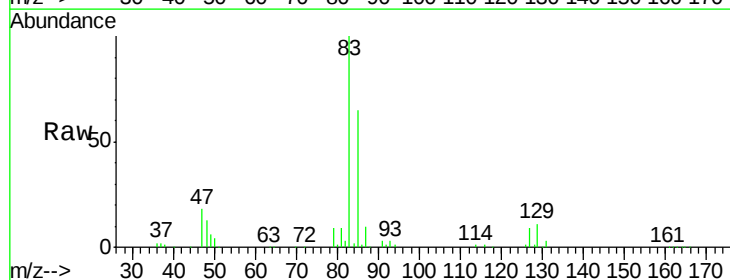
Tgt Ion: 83 Resp: 211720

Ion Ratio Lower Upper

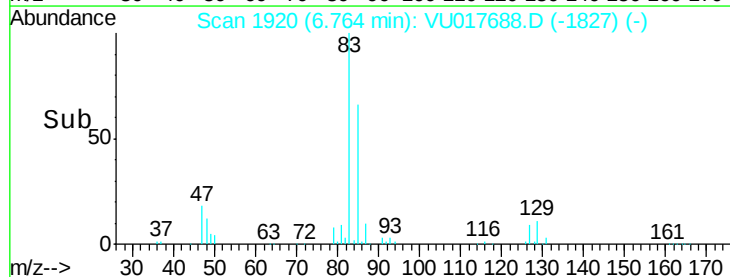
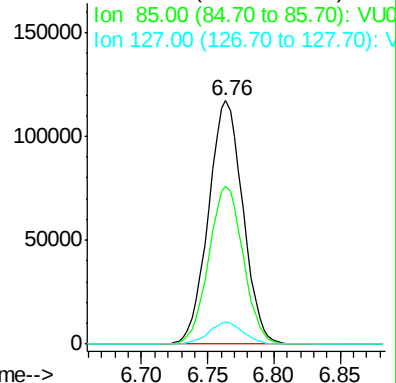
83 100

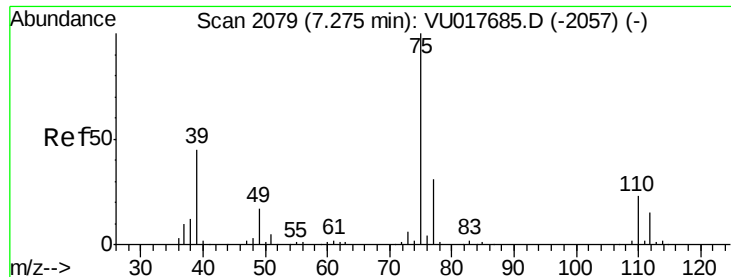
85 64.9 44.9 83.3

127 9.0 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VU017688.D (-1827) (-)

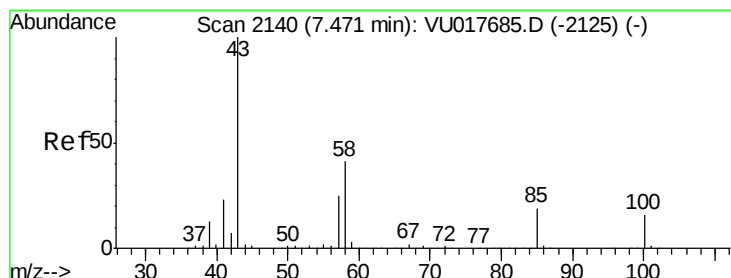
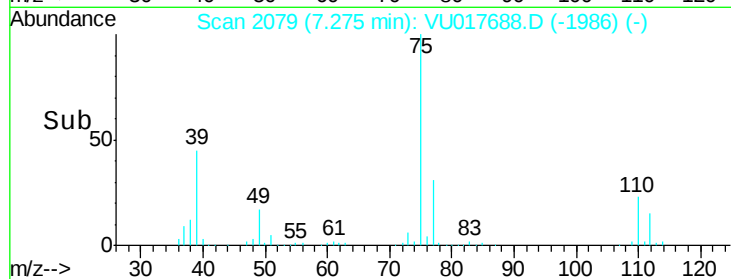
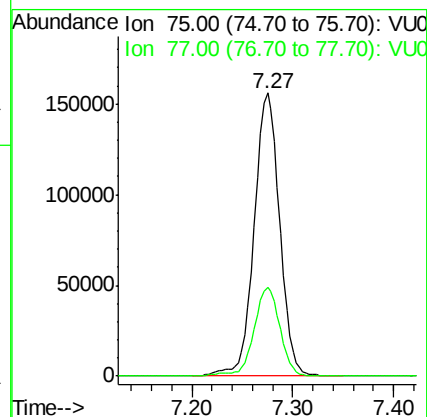
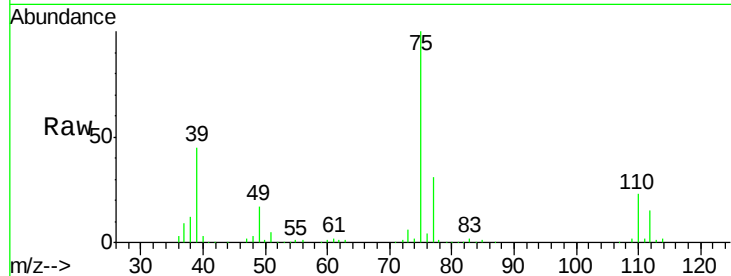




#39
 cis-1,3-Dichloropropene
 Concen: 51.883 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU017688.D
 Acq: 24 Jun 2017 13:37

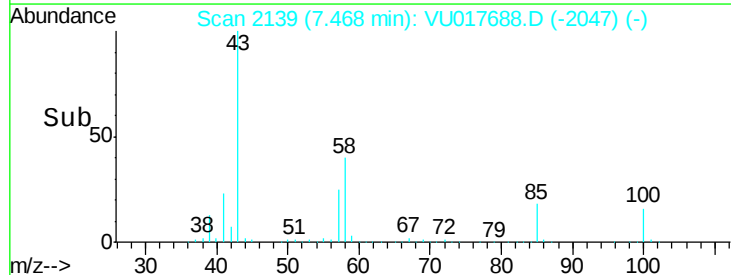
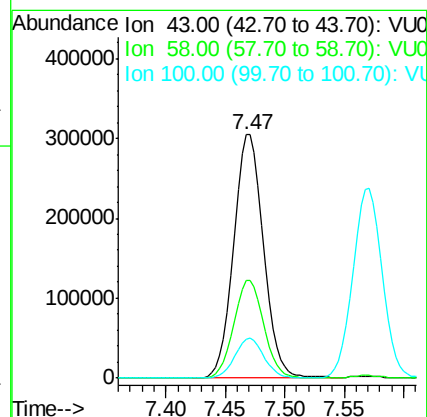
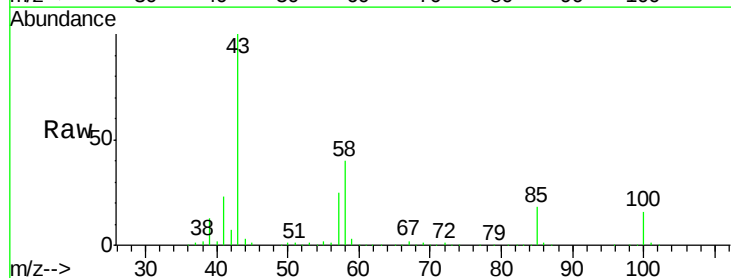
Instrument :
 BNA_M
 ClientSampleId :

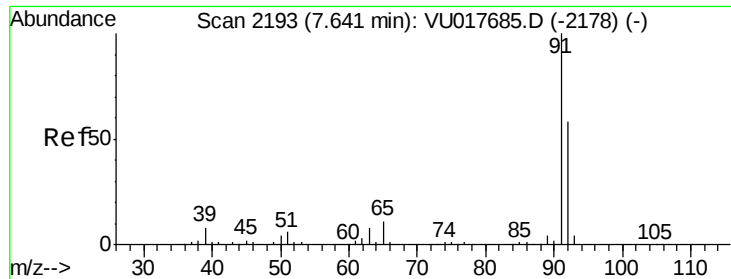
Tgt Ion: 75 Resp: 271598
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 101.327 ug/L
 RT: 7.47 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VU017688.D
 Acq: 24 Jun 2017 13:37

Tgt Ion: 43 Resp: 530958
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.3 48.5
 100 15.9 12.6 19.0





#42

Toluene

Concen: 49.578 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

Instrument :

BNA_M

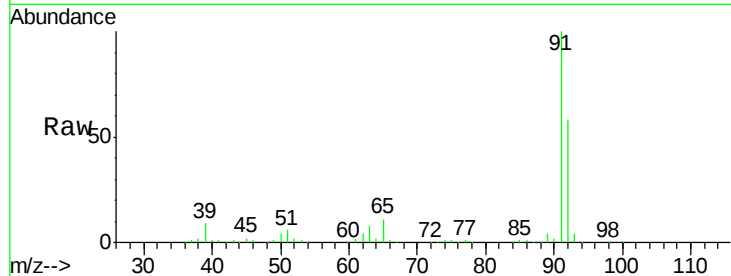
ClientSampled :

Tgt Ion: 91 Resp: 736656

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VU017688.D (-2178) (-)

Ion 92.00 (91.70 to 92.70): VU017688.D (-2178) (-)

7.64

400000

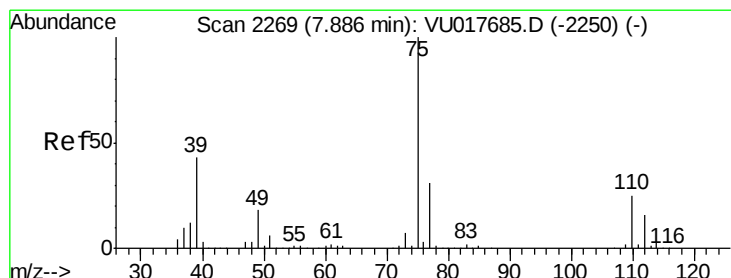
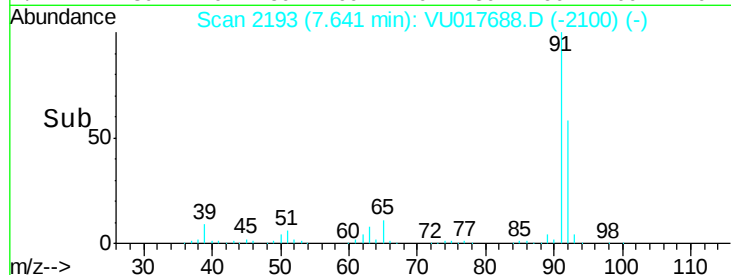
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.342 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU017688.D

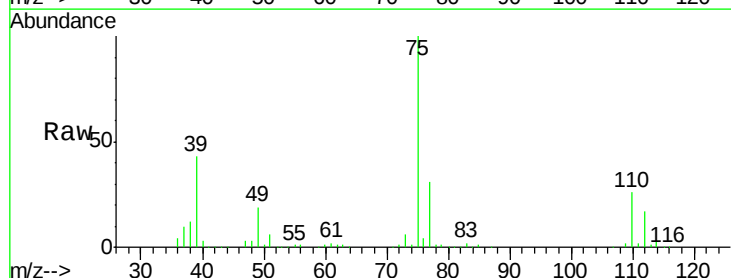
Acq: 24 Jun 2017 13:37

Tgt Ion: 75 Resp: 242247

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU017688.D (-2250) (-)

Ion 77.00 (76.70 to 77.70): VU017688.D (-2250) (-)

7.89

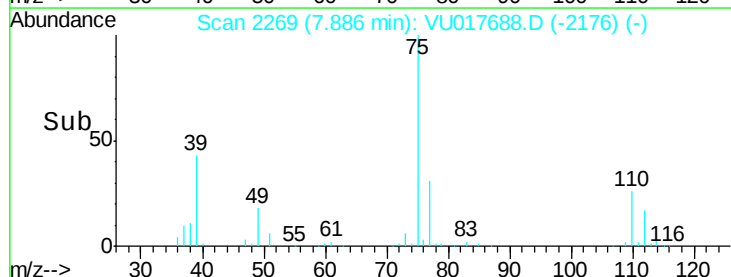
150000

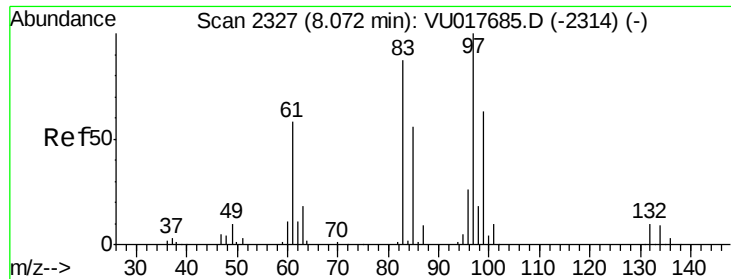
100000

50000

0

Time-->

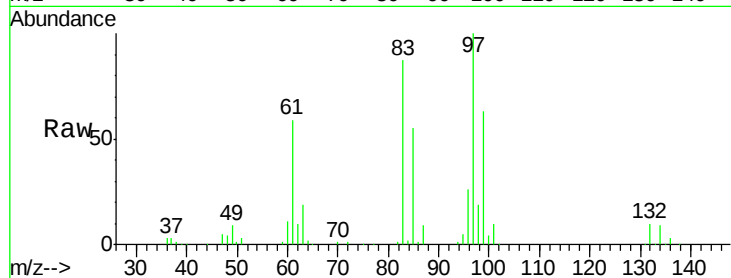




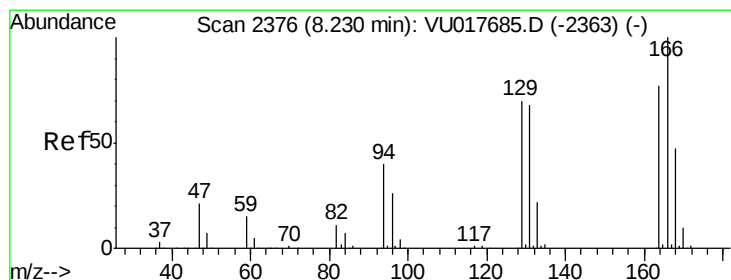
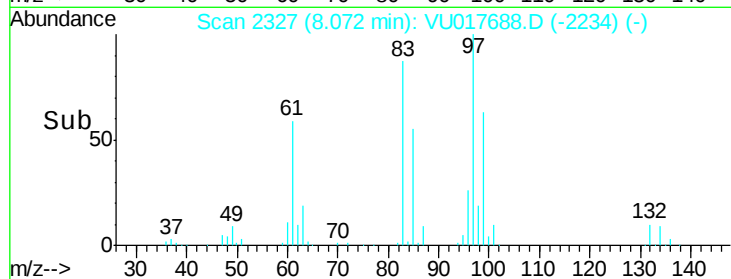
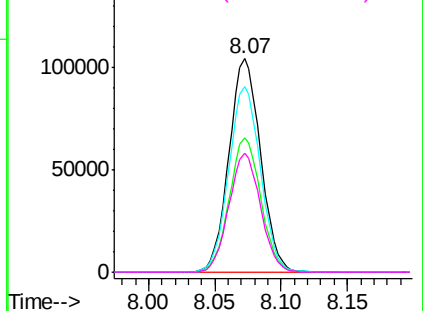
#45
1,1,2-Trichloroethane
Concen: 49.407 ug/L
RT: 8.07 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU017688.D
Acq: 24 Jun 2017 13:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:	97	Resp:	173270
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.8	81.3
83	86.8	60.8	113.0
85	55.5	39.4	73.2

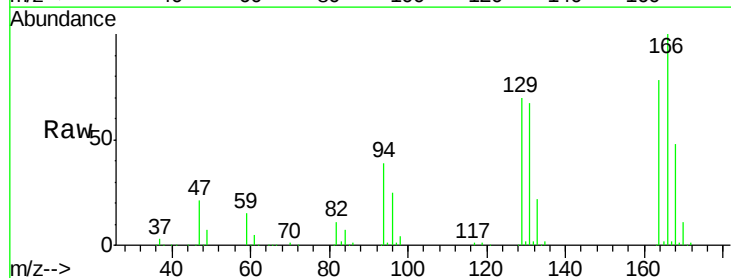


Abundance Ion 97.00 (96.70 to 97.70): VU017688.D (-2327) (-)
Ion 99.00 (98.70 to 99.70): VU017688.D (-2327) (-)
Ion 83.00 (82.70 to 83.70): VU017688.D (-2327) (-)
Ion 85.00 (84.70 to 85.70): VU017688.D (-2327) (-)

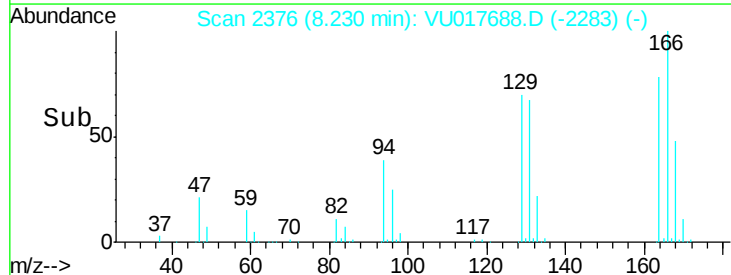
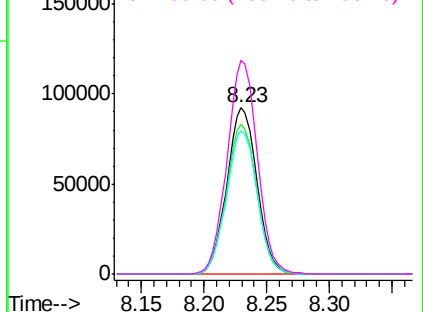


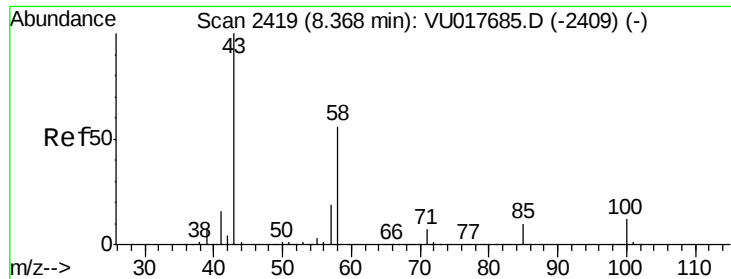
#46
Tetrachloroethene
Concen: 49.764 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU017688.D
Acq: 24 Jun 2017 13:37

Tgt Ion:	164	Resp:	154032
Ion	Ratio	Lower	Upper
164	100		
129	90.3	63.6	118.2
131	86.5	62.0	115.2
166	128.5	90.9	168.9



Abundance Ion 164.00 (163.70 to 164.70): VU017688.D (-2376) (-)
Ion 129.00 (128.70 to 129.70): VU017688.D (-2376) (-)
Ion 131.00 (130.70 to 131.70): VU017688.D (-2376) (-)
Ion 166.00 (165.70 to 166.70): VU017688.D (-2376) (-)

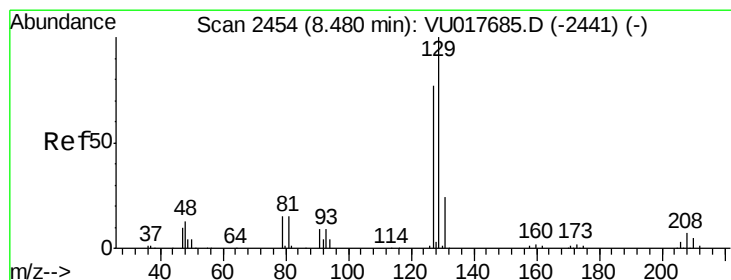
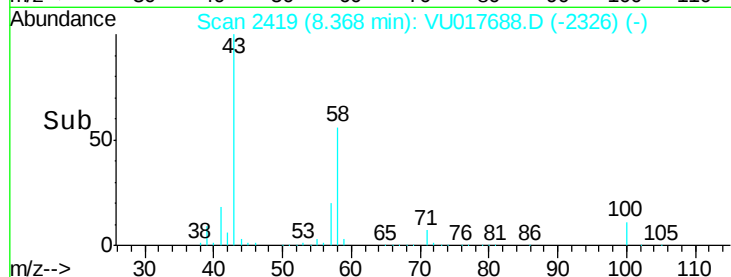
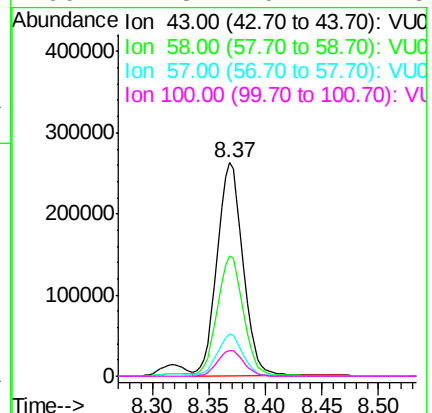
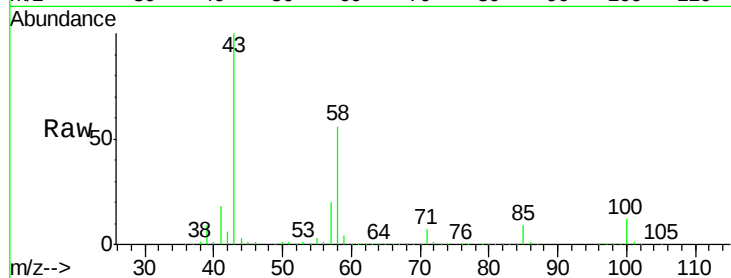




#48
2-Hexanone
Concen: 102.043 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU017688.D
Acq: 24 Jun 2017 13:37

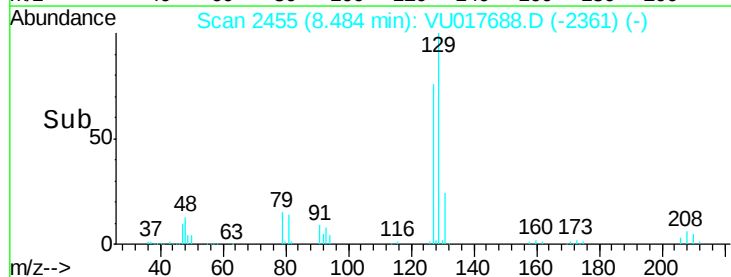
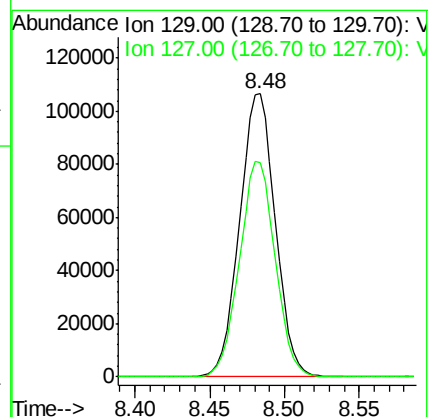
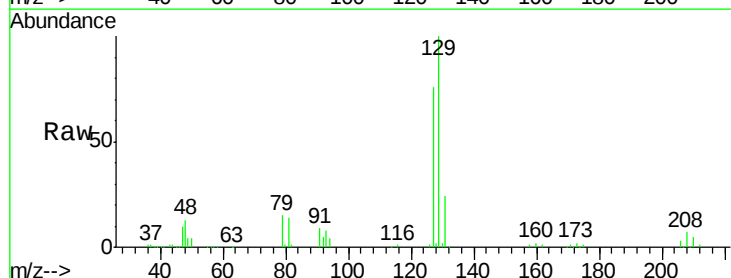
Instrument :
BNA_M
ClientSampleId :

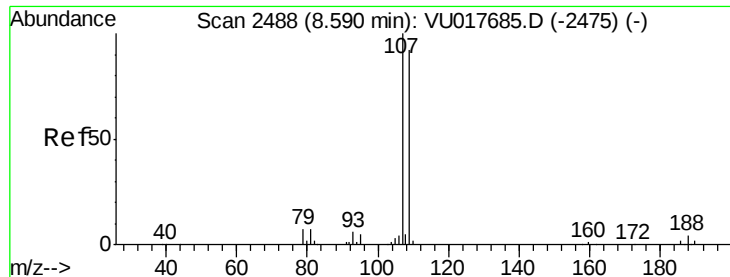
Tgt Ion: 43 Resp: 418613
Ion Ratio Lower Upper
43 100
58 56.1 45.4 68.2
57 19.2 15.4 23.0
100 12.3 9.7 14.5



#49
Dibromochloromethane
Concen: 50.785 ug/L
RT: 8.48 min Scan# 2455
Delta R.T. 0.00 min
Lab File: VU017688.D
Acq: 24 Jun 2017 13:37

Tgt Ion: 129 Resp: 177130
Ion Ratio Lower Upper
129 100
127 75.6 54.2 100.6

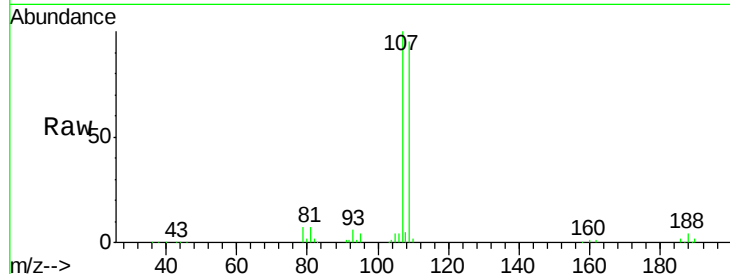




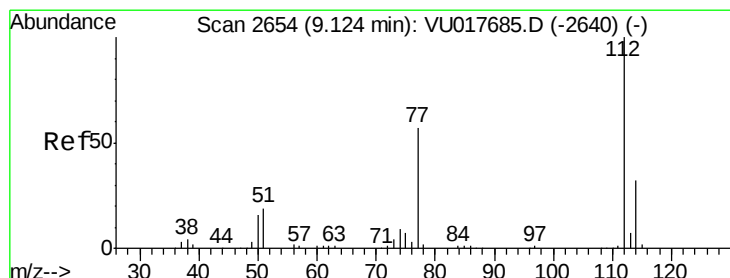
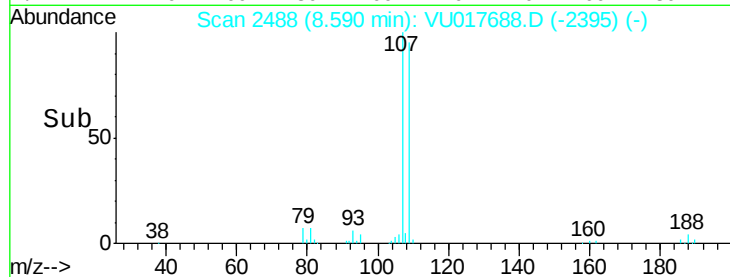
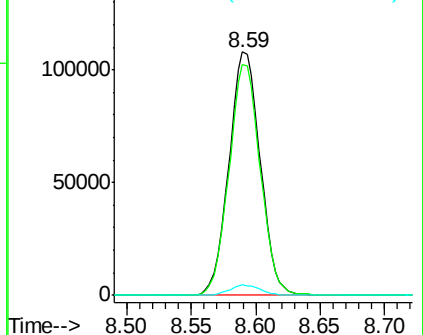
#50
1,2-Dibromoethane
Concen: 49.689 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU017688.D
Acq: 24 Jun 2017 13:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:107 Resp: 181851
Ion Ratio Lower Upper
107 100
109 94.6 64.8 120.3
188 4.1 3.3 4.9

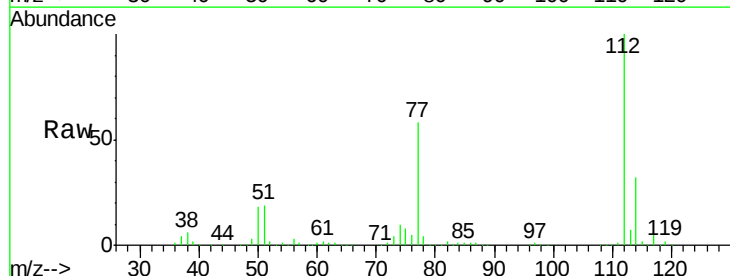


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

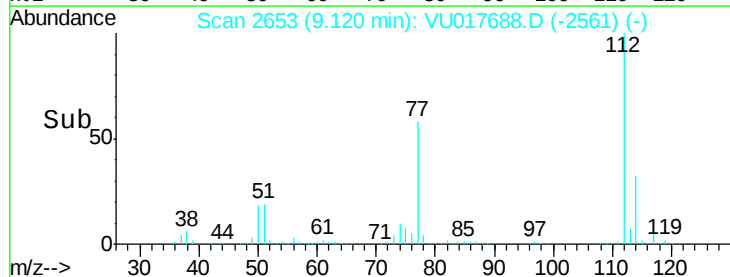
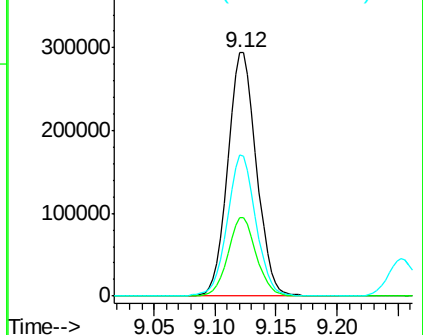


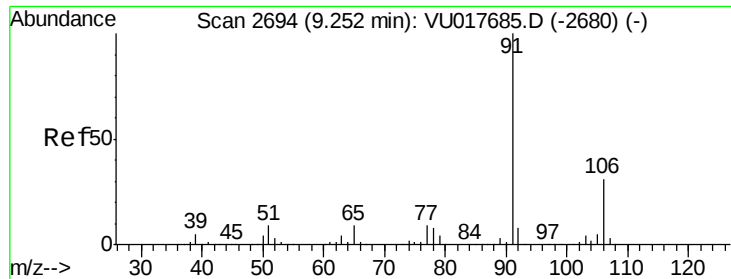
#51
Chlorobenzene
Concen: 49.071 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU017688.D
Acq: 24 Jun 2017 13:37

Tgt Ion:112 Resp: 483229
Ion Ratio Lower Upper
112 100
114 32.4 22.7 42.1
77 57.9 45.6 68.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 50.104 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

Instrument :

BNA_M

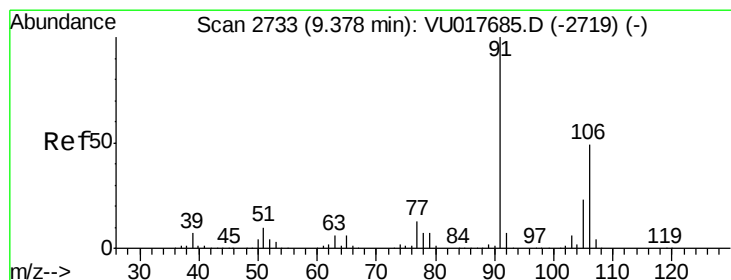
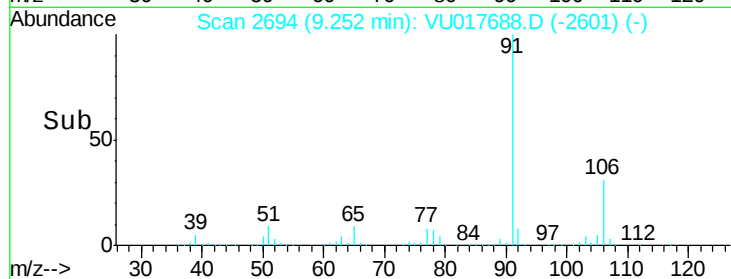
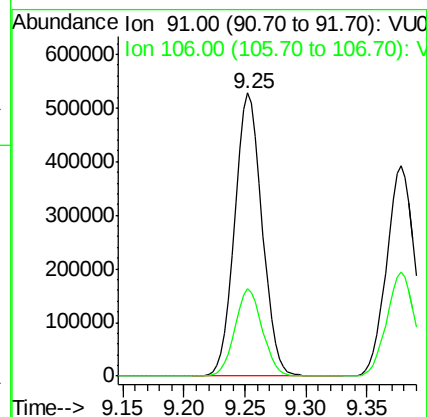
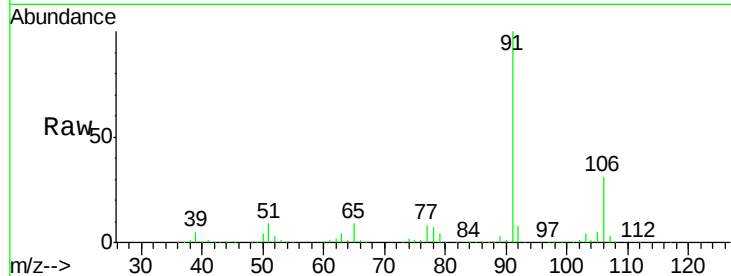
ClientSampled :

Tgt Ion: 91 Resp: 826496

Ion Ratio Lower Upper

91 100

106 30.8 21.7 40.3



#53

m,p-Xylene

Concen: 49.511 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU017688.D

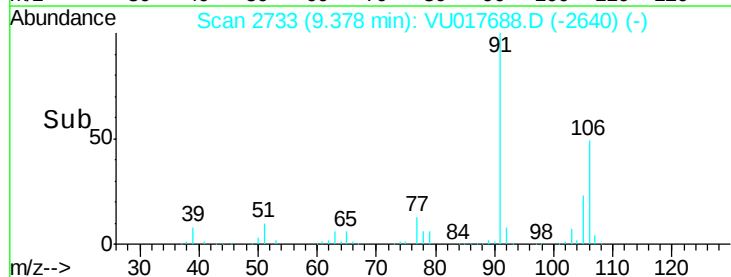
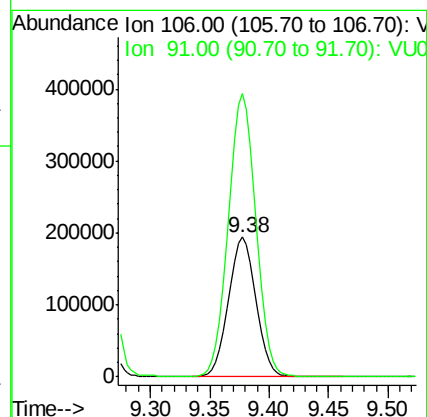
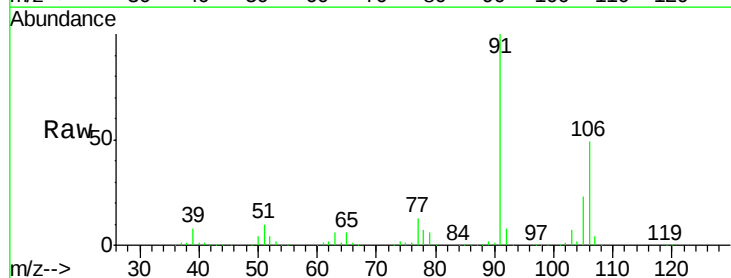
Acq: 24 Jun 2017 13:37

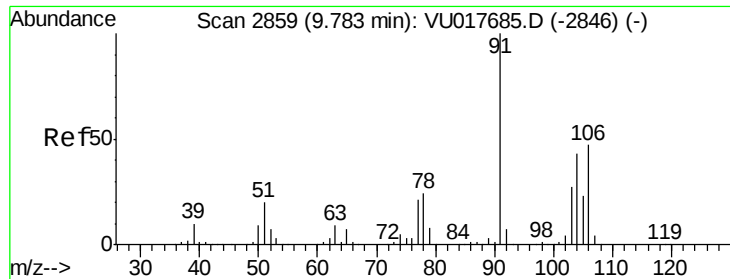
Tgt Ion: 106 Resp: 309903

Ion Ratio Lower Upper

106 100

91 202.6 142.4 264.4

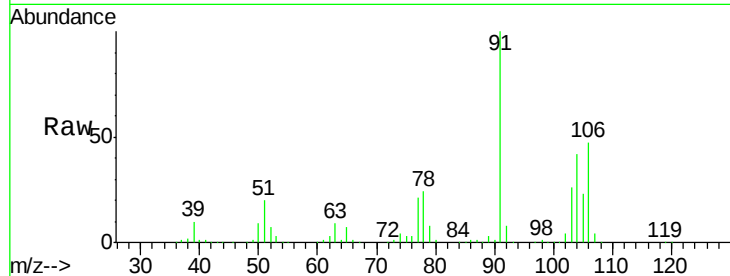




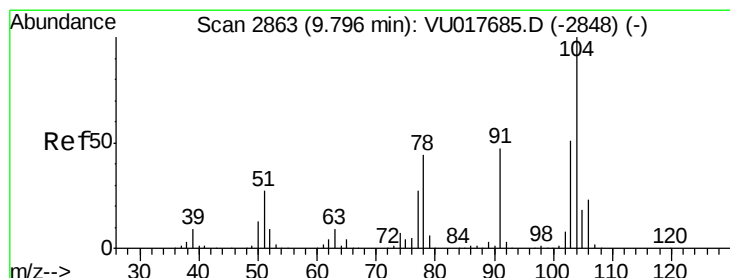
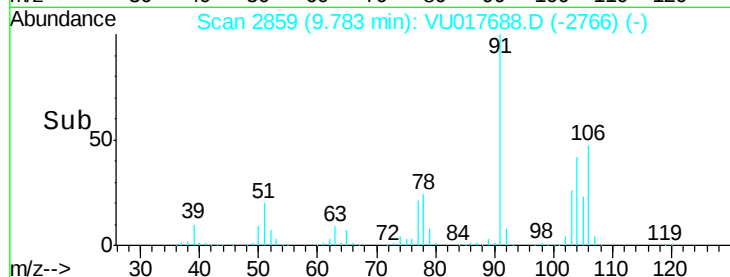
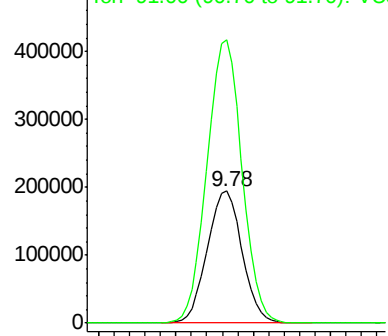
#54
o-xylene
Concen: 49.497 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU017688.D
Acq: 24 Jun 2017 13:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:106 Resp: 303674
Ion Ratio Lower Upper
106 100
91 214.9 149.6 277.8

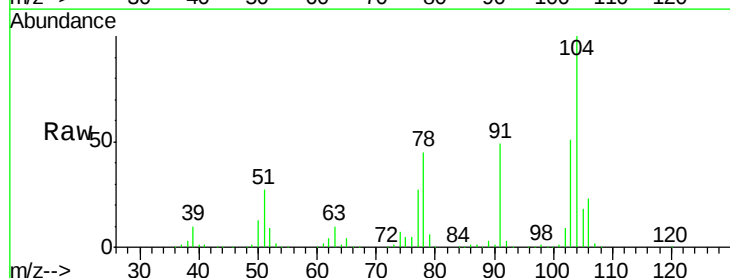


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

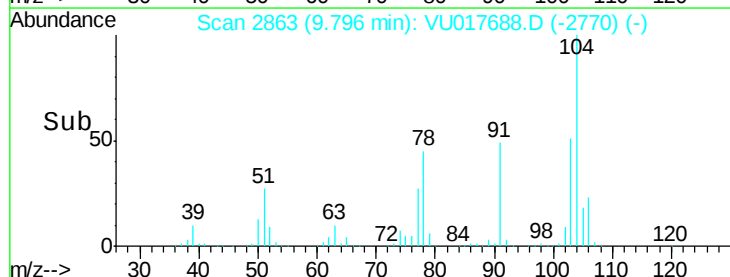
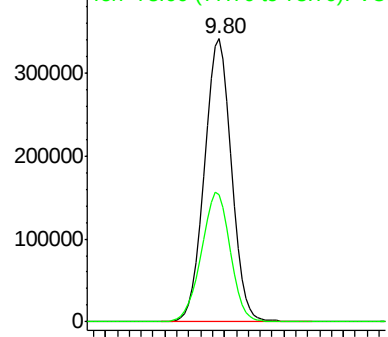


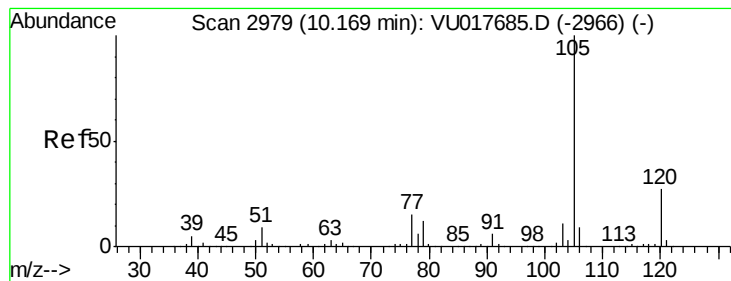
#55
Styrene
Concen: 50.196 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU017688.D
Acq: 24 Jun 2017 13:37

Tgt Ion:104 Resp: 538321
Ion Ratio Lower Upper
104 100
78 45.1 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.056 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

Instrument :

BNA_M

ClientSampleId :

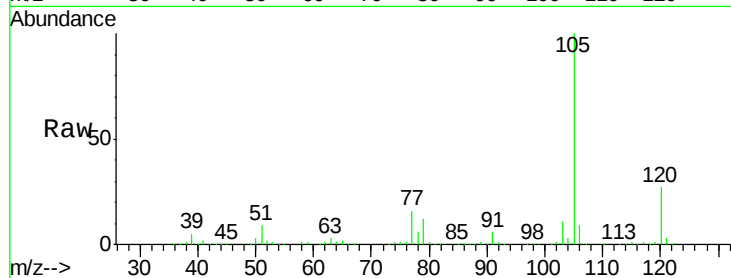
Tgt Ion: 105 Resp: 799385

Ion Ratio Lower Upper

105 100

120 26.7 21.3 31.9

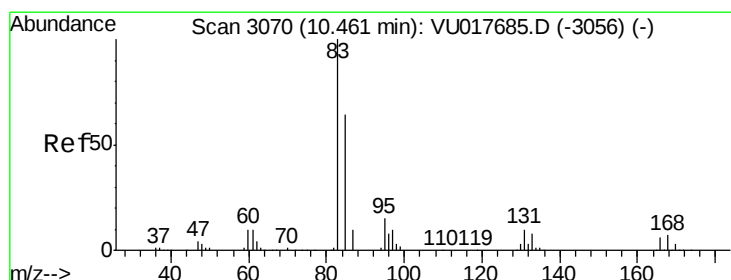
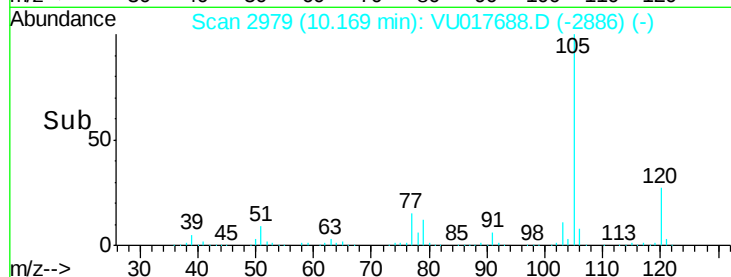
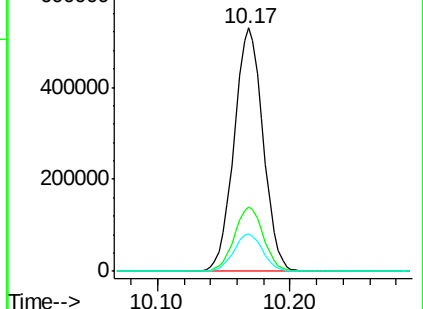
77 15.5 12.3 18.5



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: 49.397 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

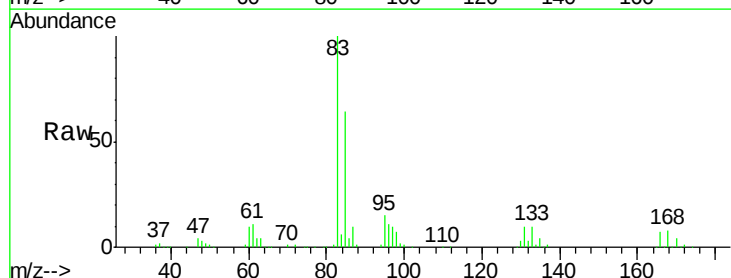
Tgt Ion: 83 Resp: 291172

Ion Ratio Lower Upper

83 100

85 63.7 44.9 83.5

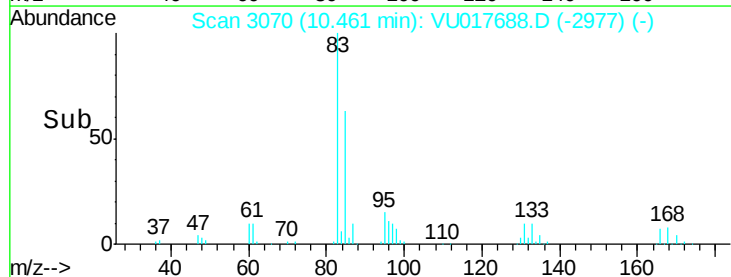
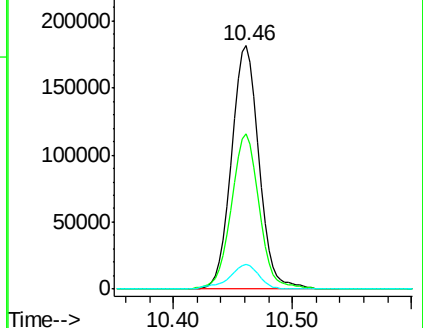
131 10.1 8.2 12.2

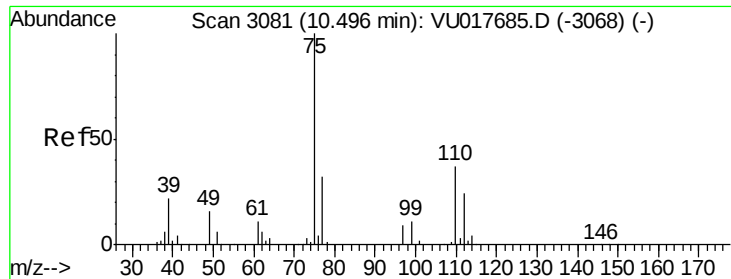


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

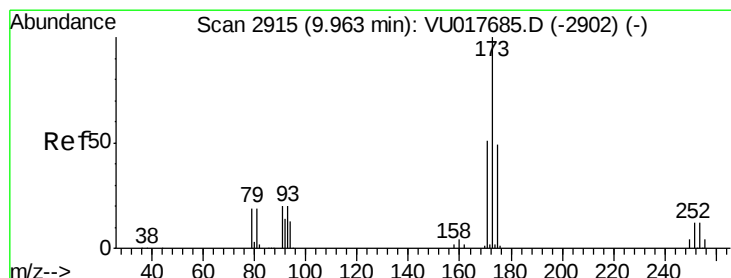
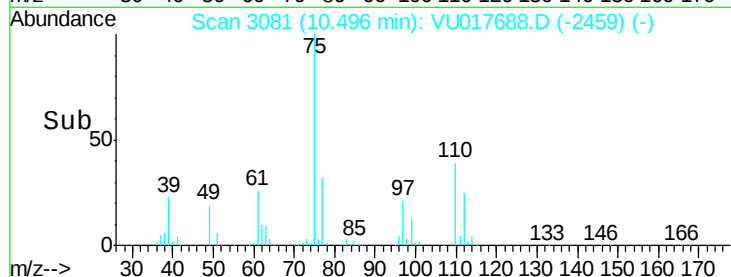
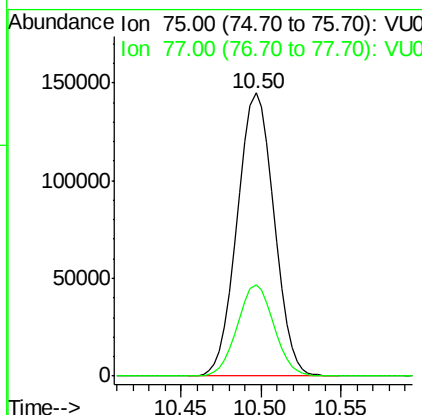
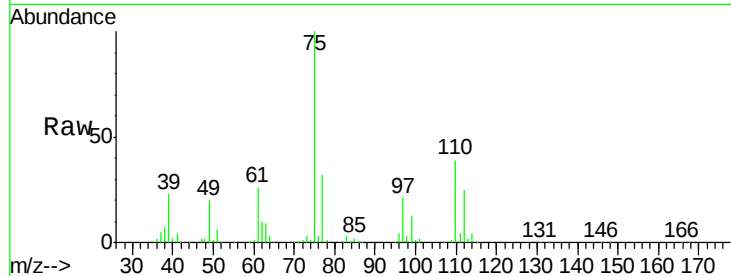




#59
 1,2,3-Trichloropropane
 Concen: 48.888 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU017688.D
 Acq: 24 Jun 2017 13:37

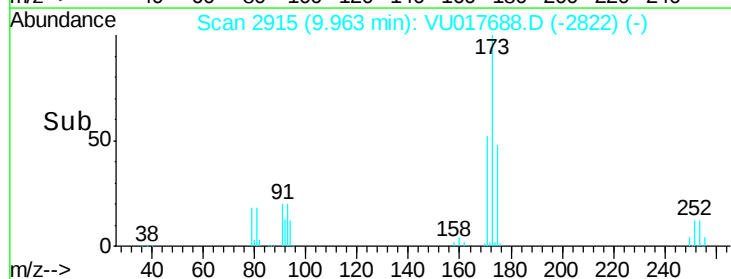
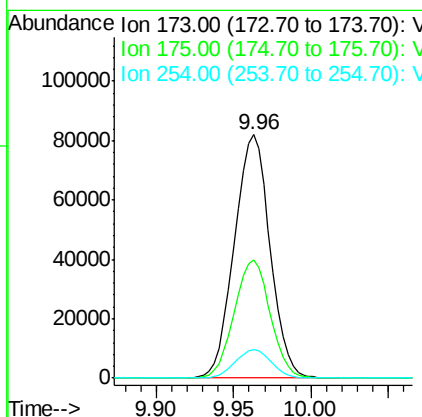
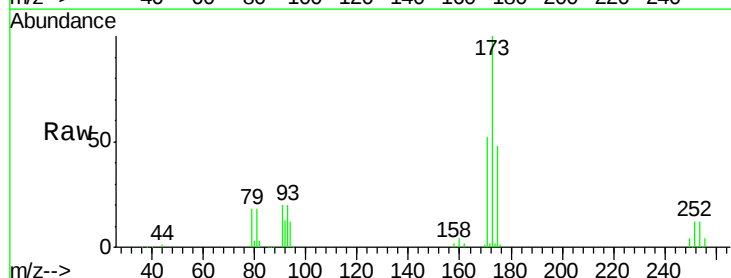
Instrument :
 BNA_M
 ClientSampleId :

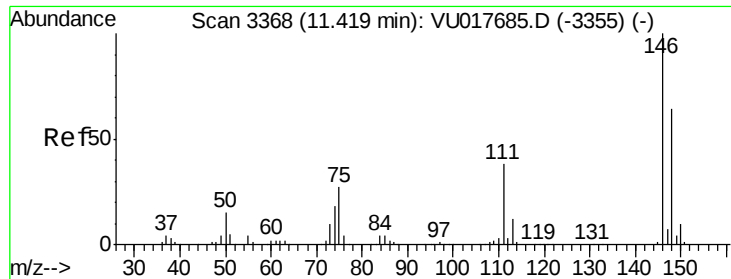
Tgt Ion: 75 Resp: 227054
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.7 38.5



#61
 Bromoform
 Concen: 50.674 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU017688.D
 Acq: 24 Jun 2017 13:37

Tgt Ion: 173 Resp: 131484
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.0 58.4
 254 11.9 9.4 14.2





#62

1,3-Dichlorobenzene

Concen: 49.315 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

Instrument :

BNA_M

ClientSampleId :

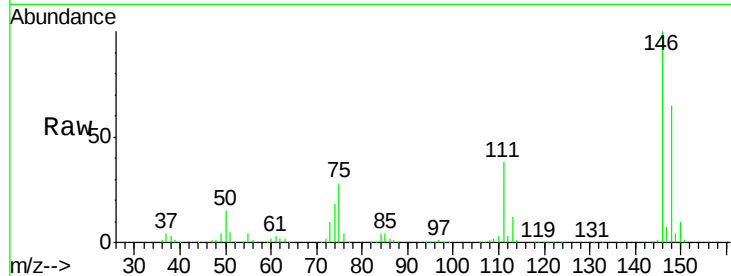
Tgt Ion:146 Resp: 399150

Ion Ratio Lower Upper

146 100

111 37.9 26.9 50.1

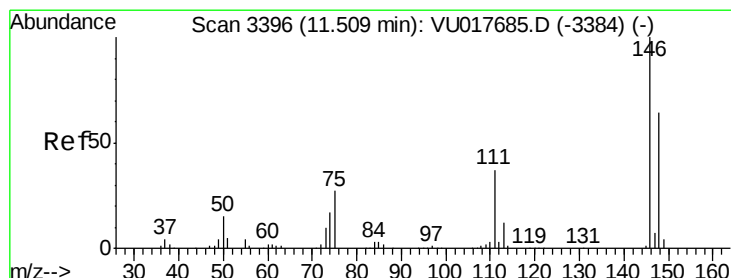
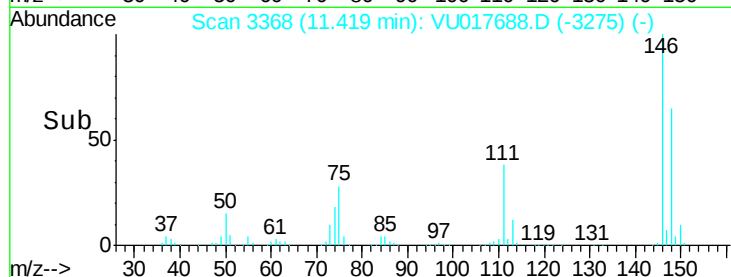
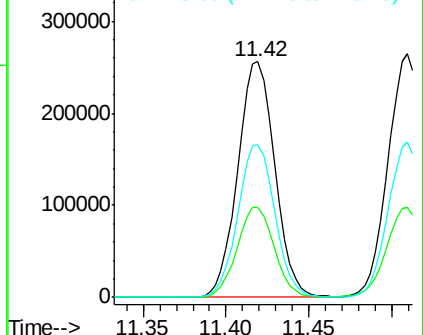
148 65.0 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.083 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

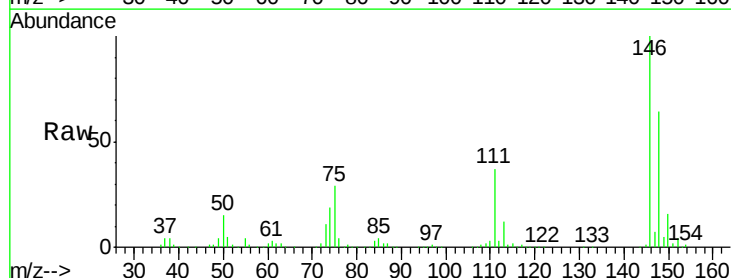
Tgt Ion:146 Resp: 408002

Ion Ratio Lower Upper

146 100

111 36.7 26.4 49.0

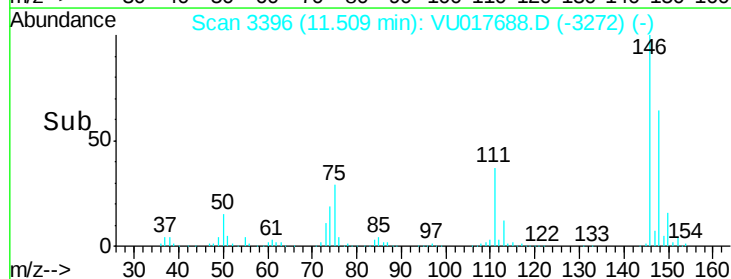
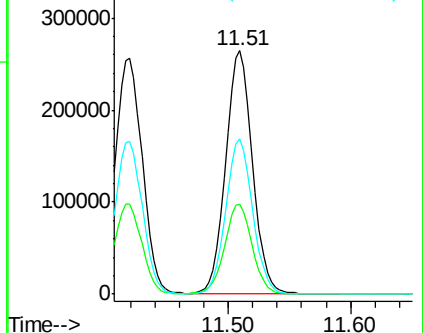
148 63.6 44.9 83.3

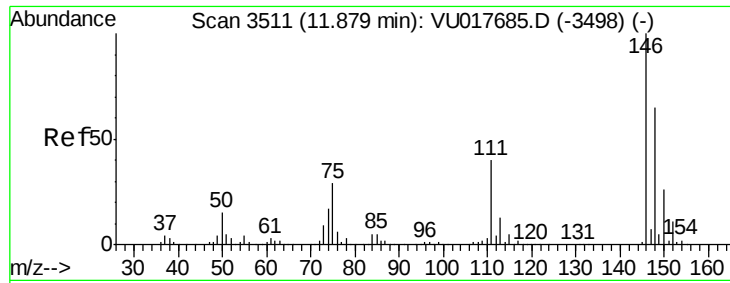


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.652 ug/L

RT: 11.88 min Scan# 3511

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

Instrument :

BNA_M

ClientSampleId :

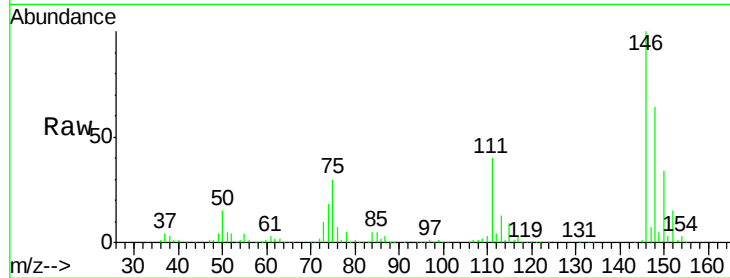
Tgt Ion: 146 Resp: 402258

Ion Ratio Lower Upper

146 100

111 39.9 32.0 48.0

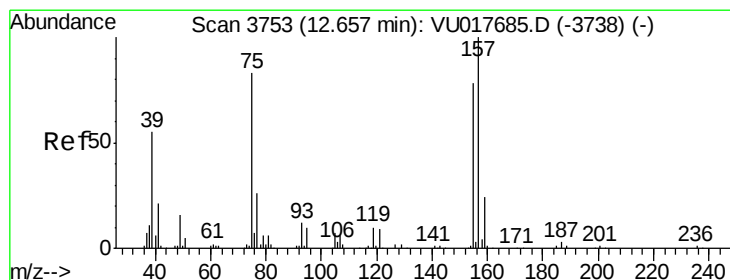
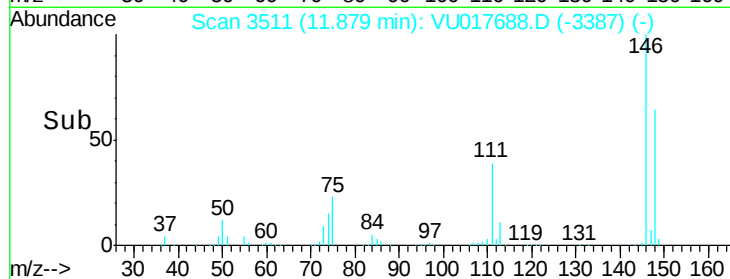
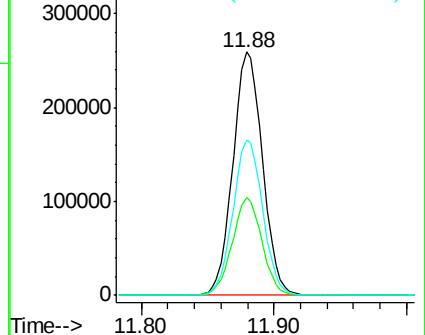
148 63.9 51.8 77.6



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: 51.802 ug/L

RT: 12.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

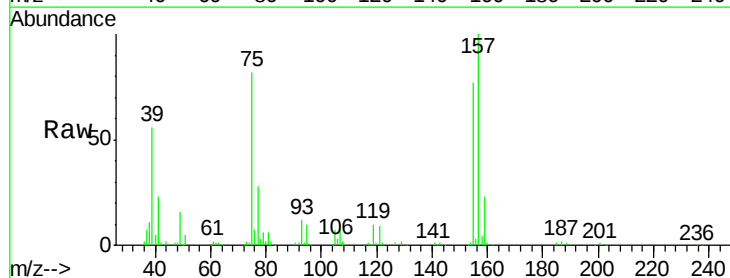
Tgt Ion: 75 Resp: 63006

Ion Ratio Lower Upper

75 100

155 93.9 75.8 113.6

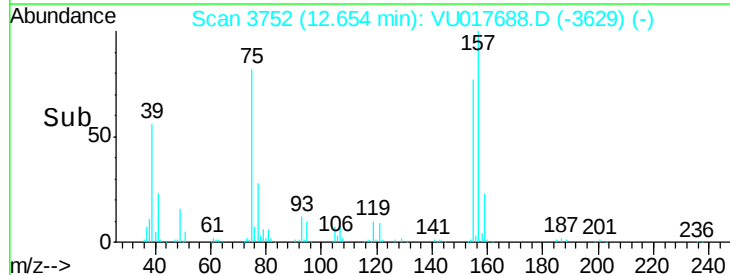
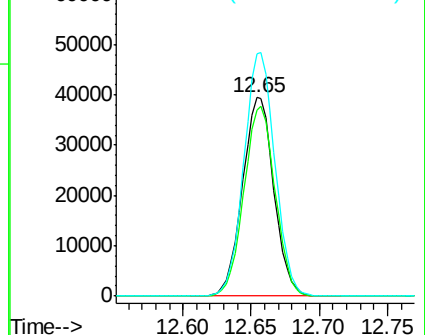
157 121.7 96.7 145.1

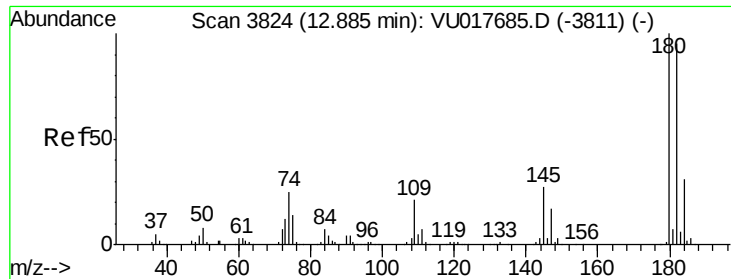


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

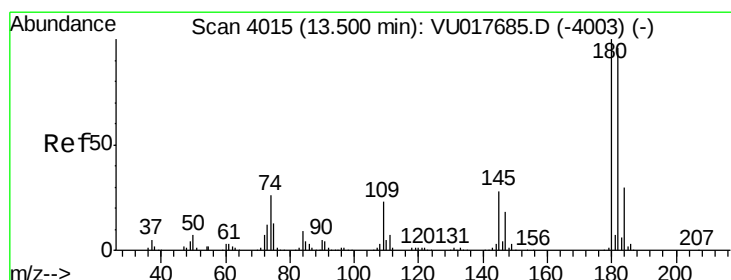
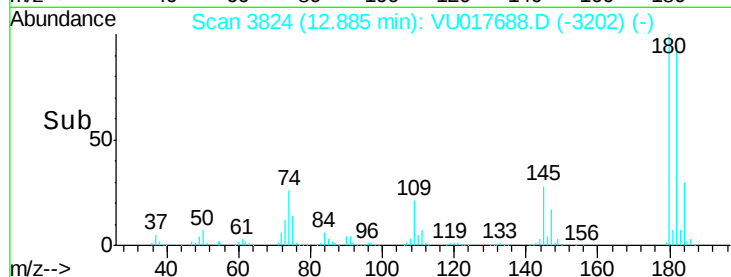
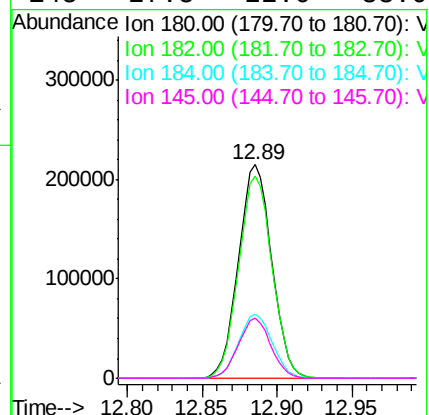
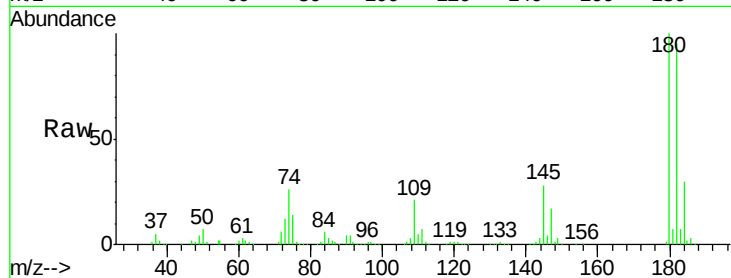




#67
 1,3,5-Trichlorobenzene
 Concen: 51.733 ug/L
 RT: 12.89 min Scan# 3824
 Delta R.T. 0.00 min
 Lab File: VU017688.D
 Acq: 24 Jun 2017 13:37

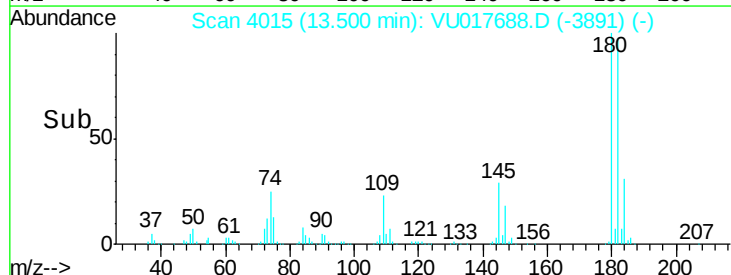
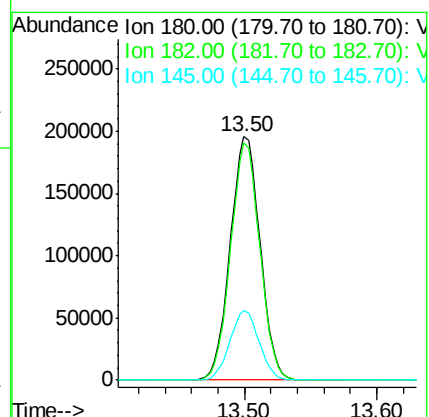
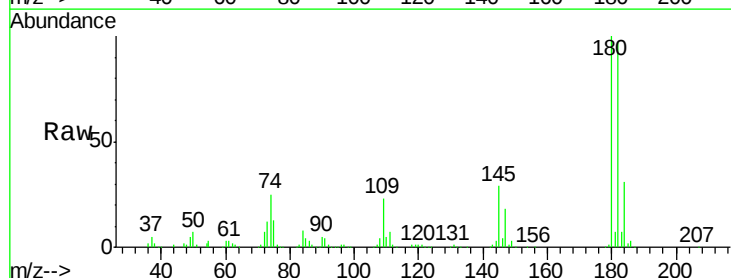
Instrument :
 BNA_M
 ClientSampleId :

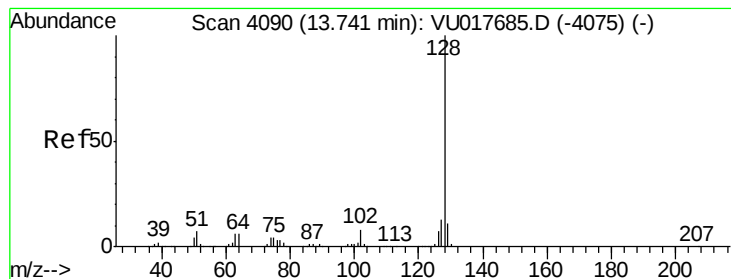
Tgt Ion:180 Resp: 333673
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.4 114.6
 184 30.4 24.7 37.1
 145 27.5 22.0 33.0



#68
 1,2,4-trichlorobenzene
 Concen: 52.045 ug/L
 RT: 13.50 min Scan# 4015
 Delta R.T. 0.00 min
 Lab File: VU017688.D
 Acq: 24 Jun 2017 13:37

Tgt Ion:180 Resp: 305729
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.6 114.8
 145 27.9 22.8 34.2





#69

Naphthalene

Concen: 53.240 ug/L

RT: 13.74 min Scan# 4090

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

Instrument :

BNA_M

ClientSampleId :

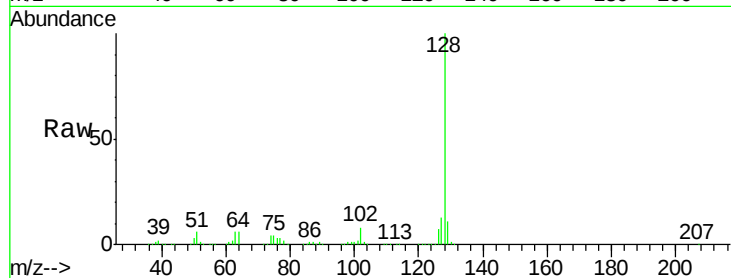
Tgt Ion:128 Resp: 927960

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

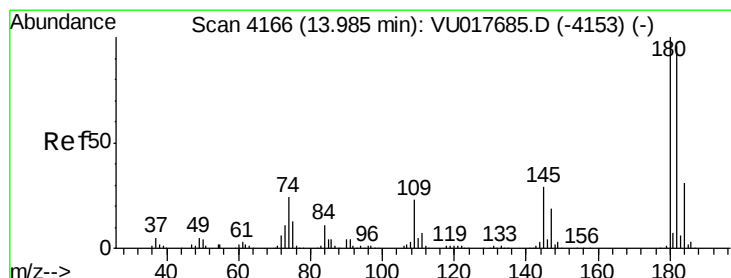
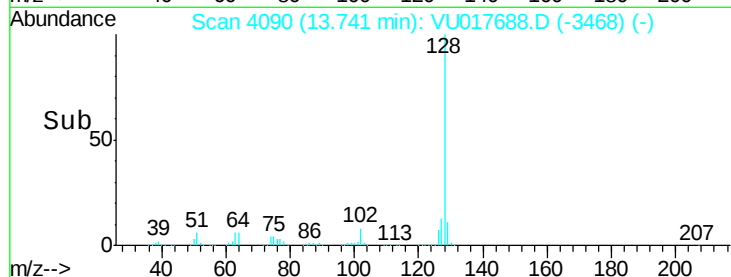
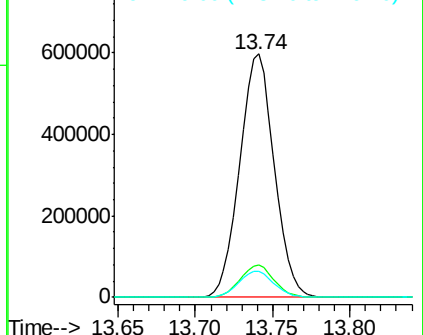
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.204 ug/L

RT: 13.99 min Scan# 4166

Delta R.T. 0.00 min

Lab File: VU017688.D

Acq: 24 Jun 2017 13:37

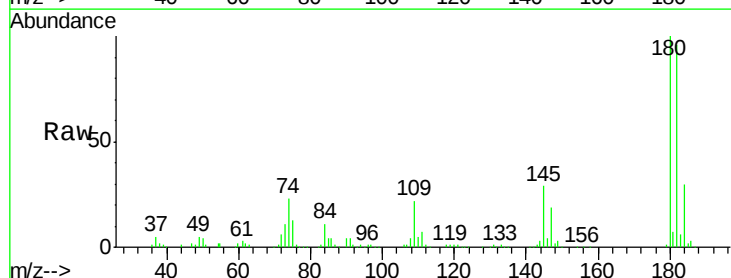
Tgt Ion:180 Resp: 307271

Ion Ratio Lower Upper

180 100

182 96.0 77.0 115.6

145 29.6 23.5 35.3



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

