

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU062417\
 Data File : VU017689.D
 Acq On : 24 Jun 2017 14:02
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 26 03:48:03 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	514918	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	472170	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	251154	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	172600	49.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.06%
7) Chloroethane-d5	1.68	69	129724	50.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.27	63	291949	49.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.76%
21) 2-Butanone-d5	4.20	46	225756	93.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.90%
24) Chloroform-d	4.65	84	322971	49.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.38%
26) 1,2-Dichloroethane-d4	5.32	65	203505	48.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.56%
32) Benzene-d6	5.35	84	662916	50.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.98%
36) 1,2-Dichloropropane-d6	6.34	67	208436	49.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.96%
41) Toluene-d8	7.57	98	622271	50.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.48%
43) trans-1,3-Dichloropropene-	7.85	79	93033	52.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.52%
47) 2-Hexanone-d5	8.32	63	206152	101.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.46%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	297378	49.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	261227	49.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.22%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	147117	48.018 ug/L	98
3) Chloromethane	1.34	50	178372	48.187 ug/L	100
5) Vinyl chloride	1.40	62	185020	49.068 ug/L	99
6) Bromomethane	1.63	94	97077	61.374 ug/L	100
8) Chloroethane	1.70	64	109845	48.947 ug/L	99
9) Trichlorofluoromethane	1.89	101	231031	48.575 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	128679	48.480 ug/L	99
12) 1,1-Dichloroethene	2.28	96	132072	48.656 ug/L	97
13) Acetone	2.33	43	177485	98.634 ug/L	99
14) Carbon disulfide	2.48	76	345822	50.359 ug/L	98
15) Methyl Acetate	2.62	43	188953	48.926 ug/L	100
16) Methylene chloride	2.70	84	159085	47.172 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	145676	49.506 ug/L	97
18) Methyl tert-butyl Ether	3.01	73	458100	49.288 ug/L	100
19) 1,1-Dichloroethane	3.45	63	289810	49.248 ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	183031	49.493 ug/L	100
22) 2-Butanone	4.29	43	285288	98.073 ug/L	98

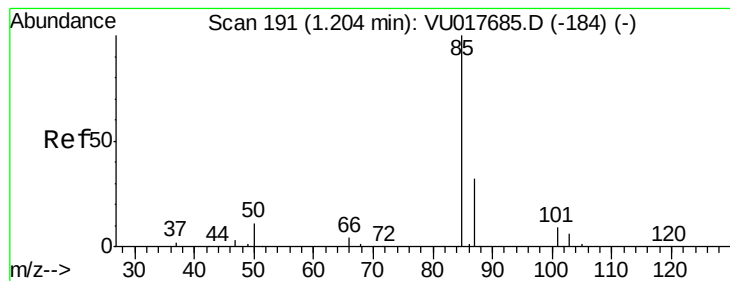
Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU062417\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	93019	49.858	ug/L	98
25) Chloroform	4.68	83	303055	49.267	ug/L	99
27) 1,2-Dichloroethane	5.41	62	240329	49.352	ug/L	100
29) Cyclohexane	5.00	56	256156	50.252	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	242794	50.538	ug/L	99
31) Carbon tetrachloride	5.14	117	210261	51.122	ug/L	99
33) Benzene	5.39	78	680668	50.354	ug/L	100
34) Trichloroethene	6.19	95	180435	50.423	ug/L	97
35) Methylcyclohexane	6.42	83	267607	49.793	ug/L	99
37) 1,2-Dichloropropane	6.44	63	176536	49.459	ug/L	100
38) Bromodichloromethane	6.76	83	211537	50.516	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	269009	52.024	ug/L	100
40) 4-Methyl-2-pentanone	7.47	43	518731	100.219	ug/L	100
42) Toluene	7.64	91	736272	50.165	ug/L	99
44) trans-1,3-Dichloropropene	7.89	75	239121	52.306	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	173007	49.942	ug/L	99
46) Tetrachloroethene	8.23	164	153094	50.073	ug/L	99
48) 2-Hexanone	8.37	43	409261	100.997	ug/L	100
49) Dibromochloromethane	8.48	129	175832	51.036	ug/L	100
50) 1,2-Dibromoethane	8.59	107	181362	50.169	ug/L	98
51) Chlorobenzene	9.12	112	477926	49.133	ug/L	99
52) Ethylbenzene	9.25	91	817097	50.147	ug/L	99
53) m,p-Xylene	9.38	106	306954	49.647	ug/L	99
54) o-xylene	9.78	106	304394	50.228	ug/L	99
55) Styrene	9.80	104	534373	50.444	ug/L	100
56) Isopropylbenzene	10.17	105	790735	50.127	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	287007	49.293	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	224655	48.970	ug/L	100
61) Bromoform	9.96	173	130302	51.092	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	392753	49.368	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	403296	49.361	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	394053	49.485	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	60989	51.015	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	326735	51.538	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	299485	51.869	ug/L	100
69) Naphthalene	13.74	128	918642	53.622	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	299956	51.847	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 48.018 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Instrument :

BNA_M

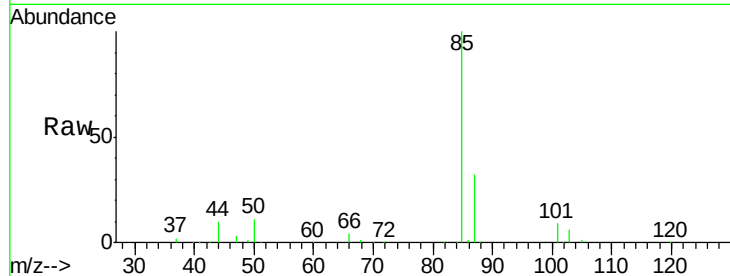
ClientSampled :

Tgt Ion: 85 Resp: 147117

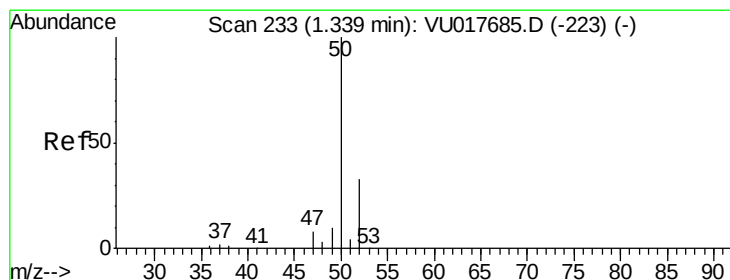
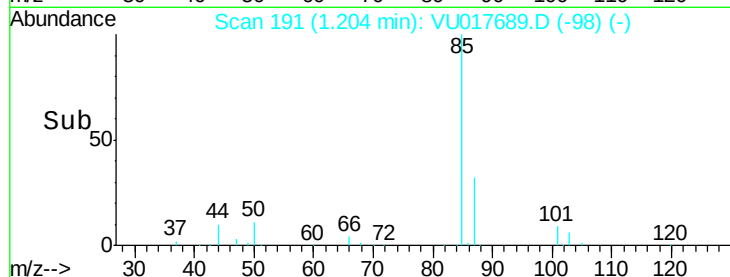
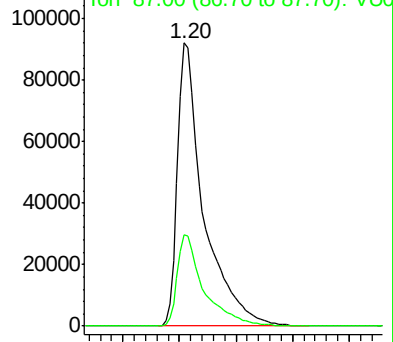
Ion Ratio Lower Upper

85 100

87 32.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU017689.D (-184) (-)



#3

Chloromethane

Concen: 48.187 ug/L

RT: 1.34 min Scan# 233

Delta R.T. -0.00 min

Lab File: VU017689.D

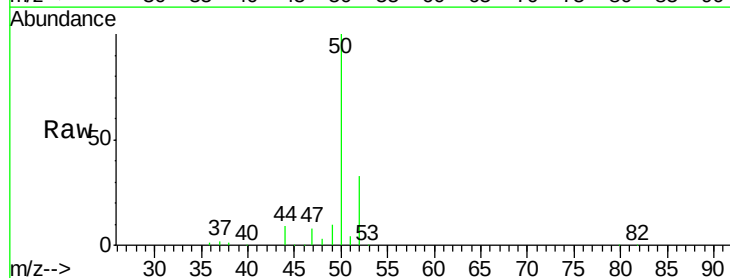
Acq: 24 Jun 2017 14:02

Tgt Ion: 50 Resp: 178372

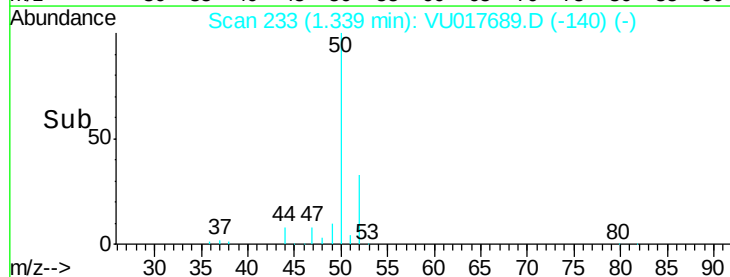
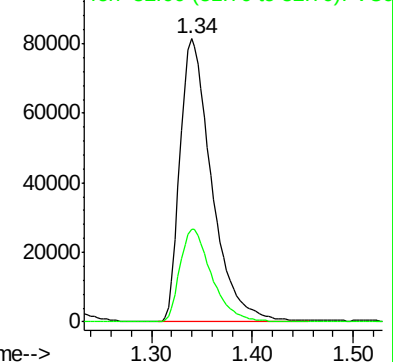
Ion Ratio Lower Upper

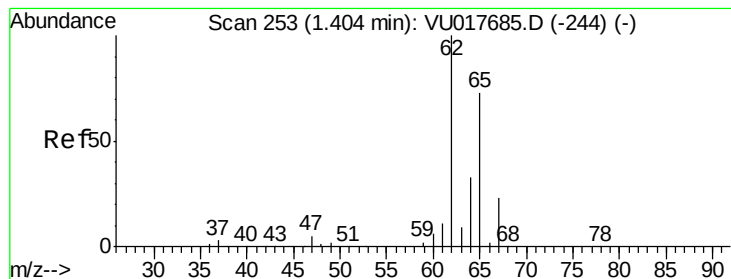
50 100

52 32.7 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU017689.D (-223) (-)





#5

Vinyl chloride

Concen: 49.068 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Instrument :

BNA_M

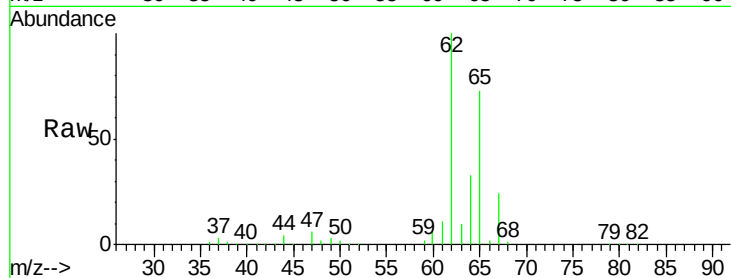
ClientSampleId :

Tgt Ion: 62 Resp: 185020

Ion Ratio Lower Upper

62 100

64 33.4 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

150000

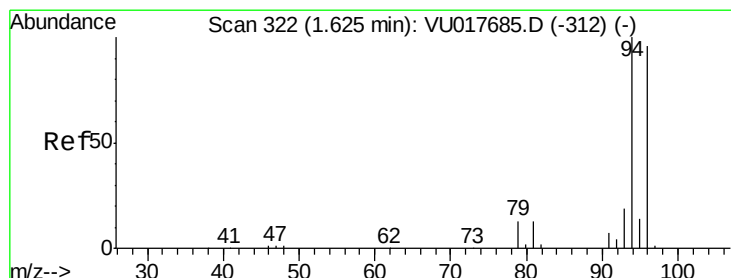
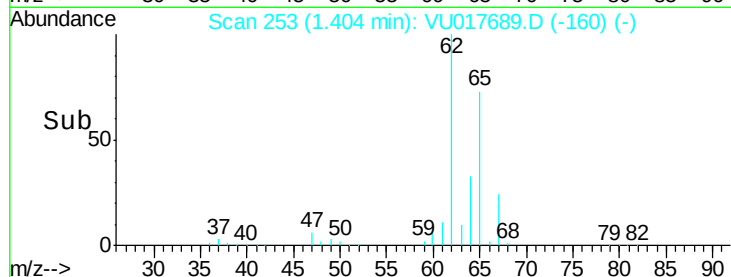
100000

50000

0

1.35 1.40 1.45 1.50

Time-->



#6

Bromomethane

Concen: 61.374 ug/L

RT: 1.63 min Scan# 322

Delta R.T. -0.00 min

Lab File: VU017689.D

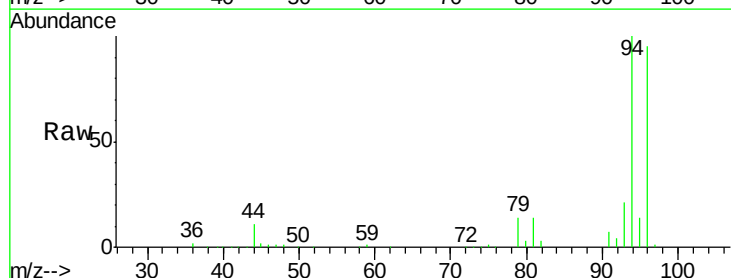
Acq: 24 Jun 2017 14:02

Tgt Ion: 94 Resp: 97077

Ion Ratio Lower Upper

94 100

96 95.3 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

50000

40000

30000

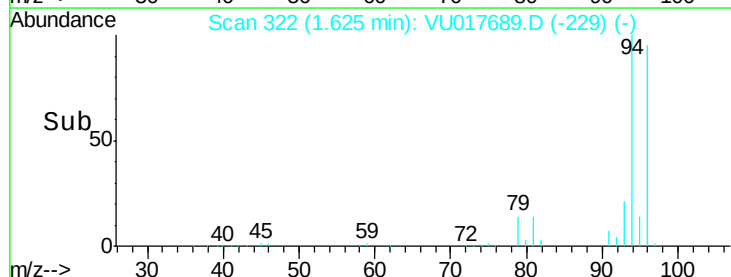
20000

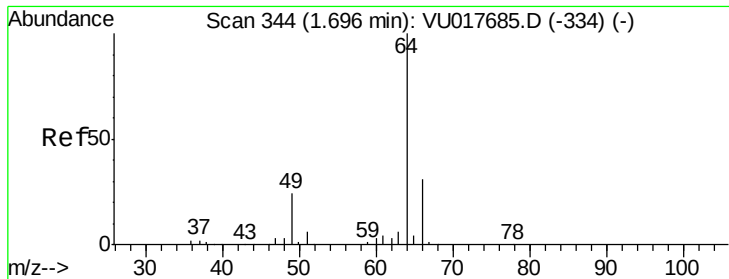
10000

0

1.60 1.63 1.70

Time-->





#8

Chloroethane

Concen: 48.947 ug/L

RT: 1.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Instrument :

BNA_M

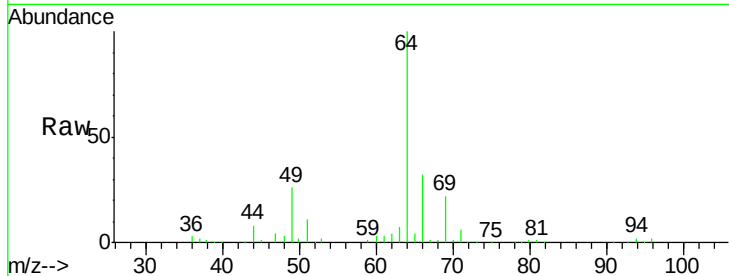
ClientSampleId :

Tgt Ion: 64 Resp: 109845

Ion Ratio Lower Upper

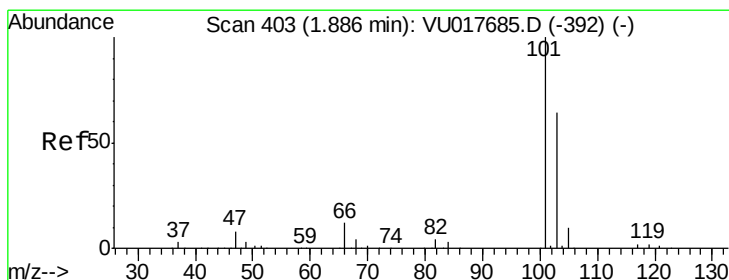
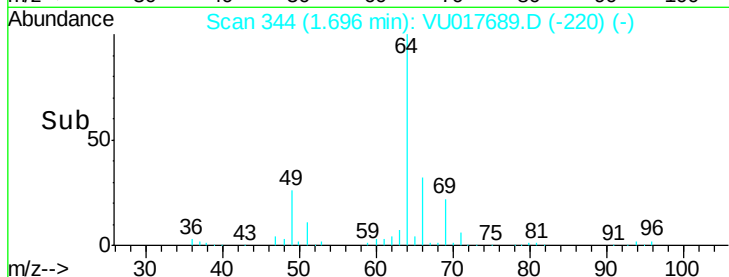
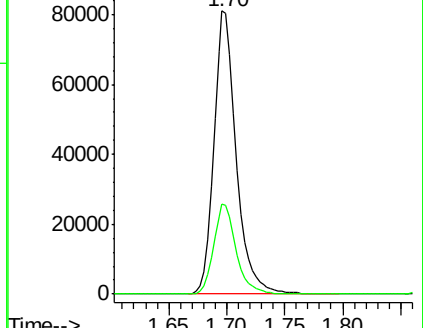
64 100

66 31.6 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VU017689.D (-220) (-)

Ion 66.00 (65.70 to 66.70): VU017689.D (-220) (-)



#9

Trichlorofluoromethane

Concen: 48.575 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU017689.D

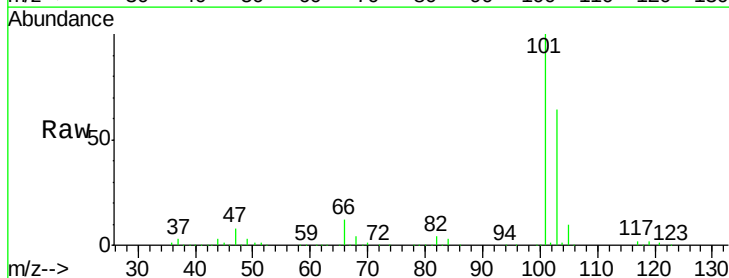
Acq: 24 Jun 2017 14:02

Tgt Ion: 101 Resp: 231031

Ion Ratio Lower Upper

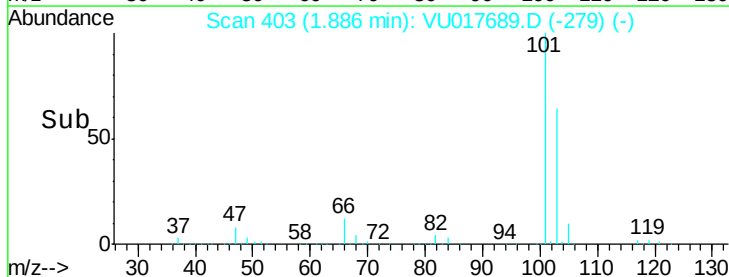
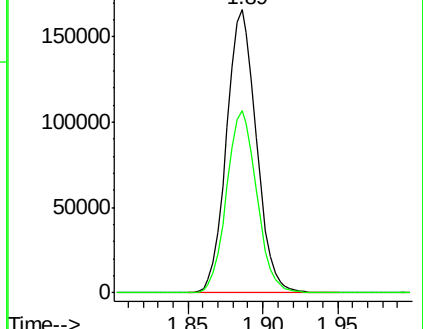
101 100

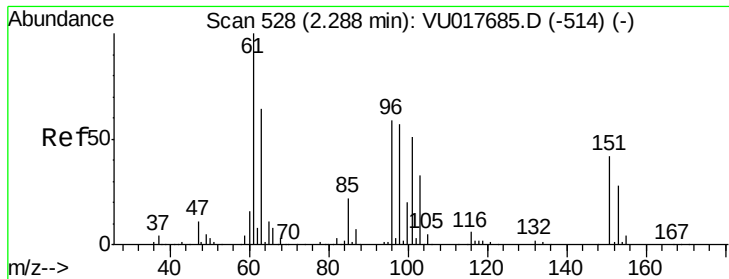
103 64.8 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU017689.D (-279) (-)

Ion 103.00 (102.70 to 103.70): VU017689.D (-279) (-)





#10

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

Concen: 48.480 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Instrument :

BNA_M

ClientSampleId :

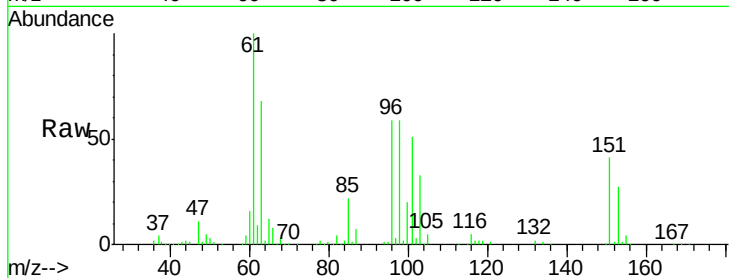
Tgt Ion: 101 Resp: 128679

Ion Ratio Lower Upper

101 100

85 42.6 33.7 50.5

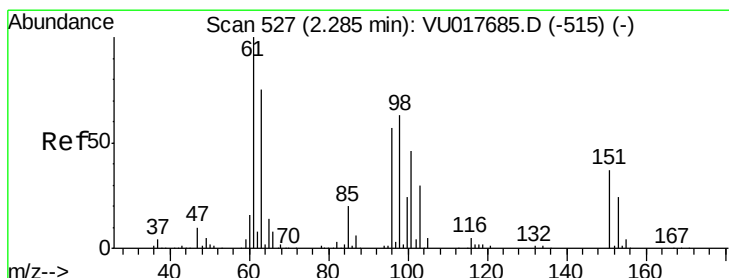
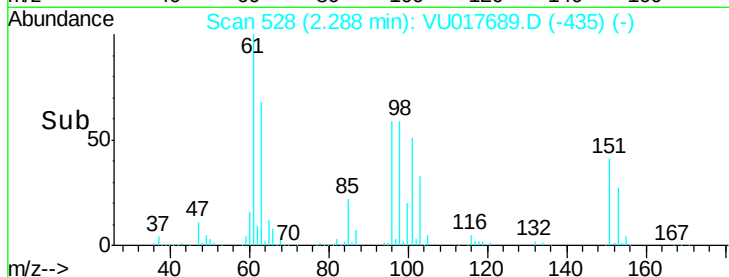
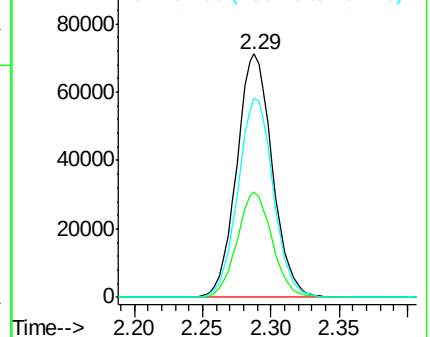
151 81.4 64.8 97.2



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: 48.656 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

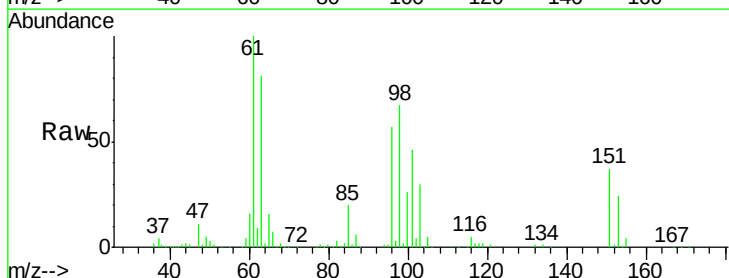
Tgt Ion: 96 Resp: 132072

Ion Ratio Lower Upper

96 100

61 174.1 122.5 227.5

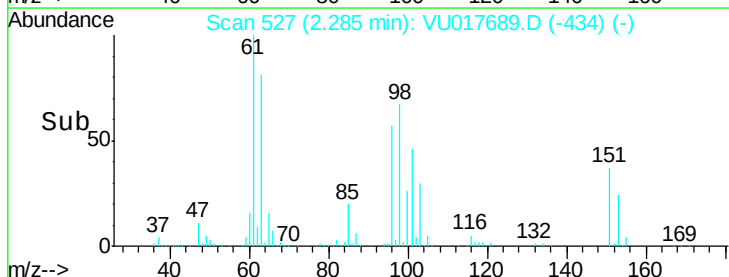
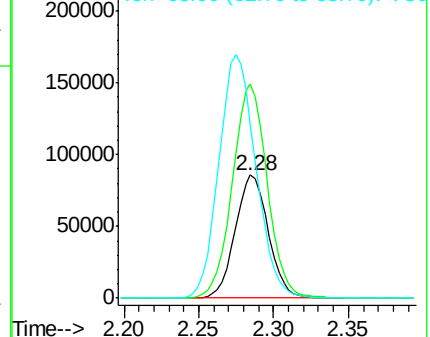
63 141.3 94.1 174.7

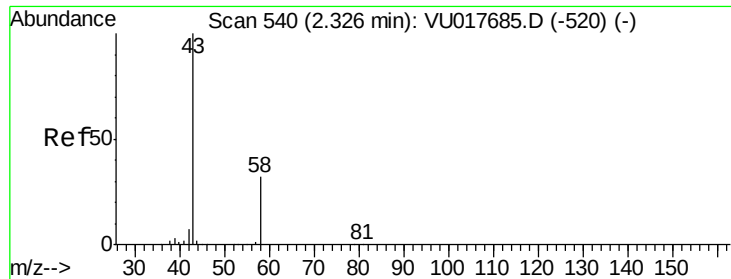


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 98.634 ug/L

RT: 2.33 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Instrument :

BNA_M

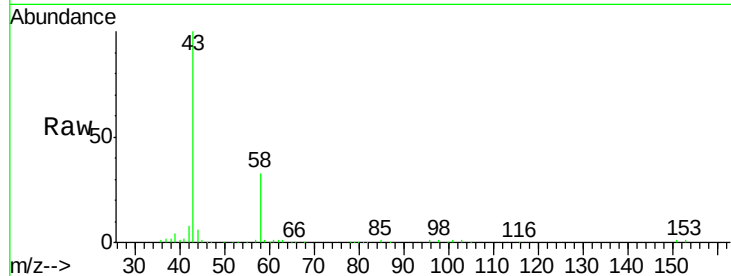
ClientSampleId :

Tgt Ion: 43 Resp: 177485

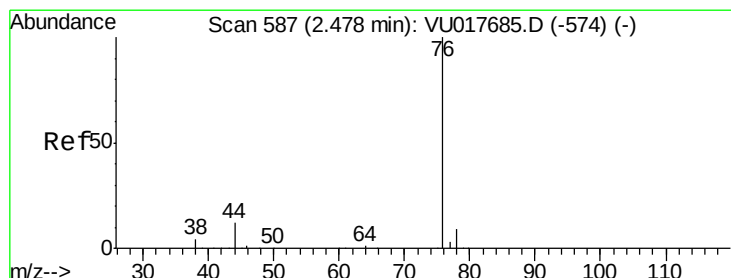
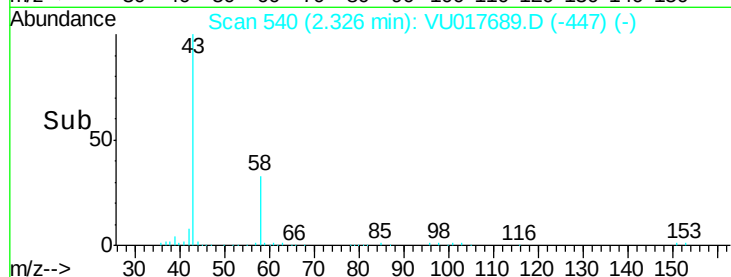
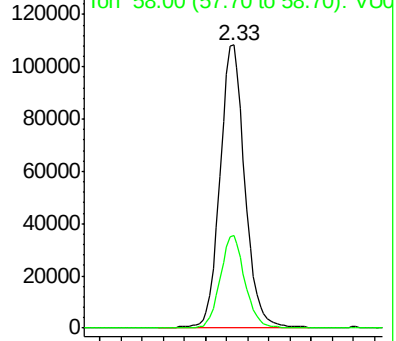
Ion Ratio Lower Upper

43 100

58 32.7 0.0 64.2



Abundance Ion 43.00 (42.70 to 43.70): VU017689.D (-447) (-)



#14

Carbon disulfide

Concen: 50.359 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU017689.D

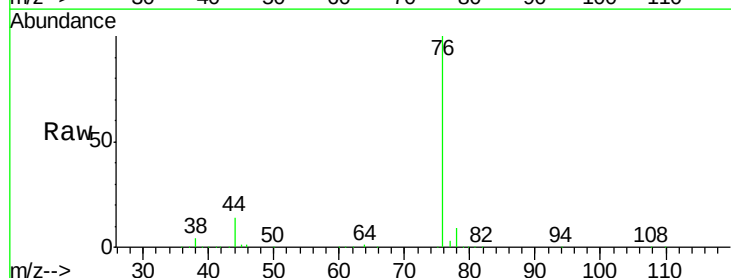
Acq: 24 Jun 2017 14:02

Tgt Ion: 76 Resp: 345822

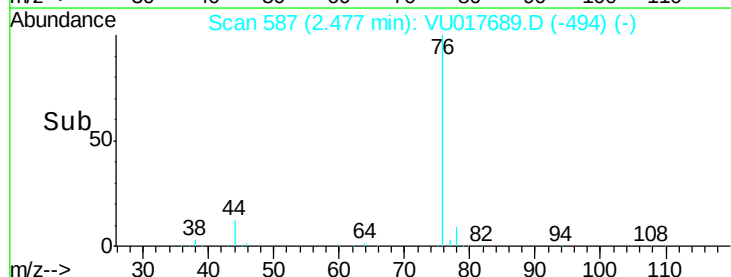
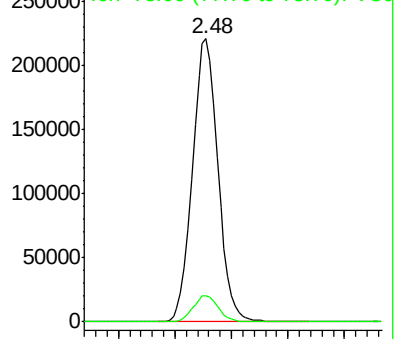
Ion Ratio Lower Upper

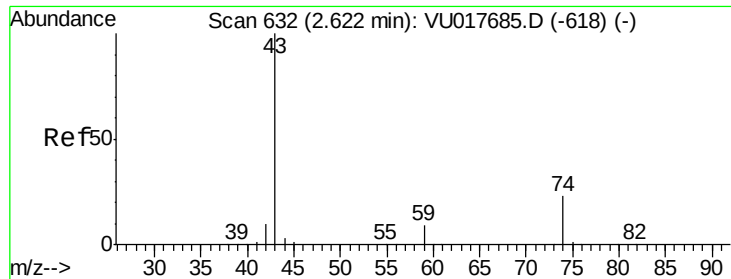
76 100

78 9.4 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU017689.D (-494) (-)

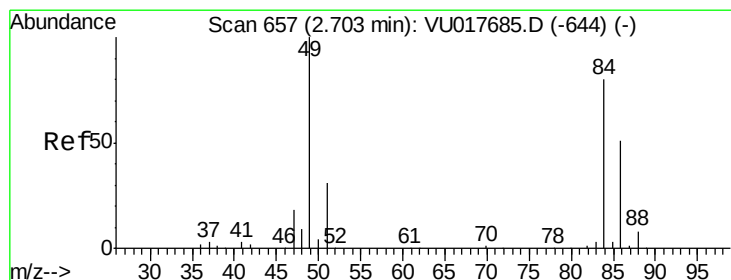
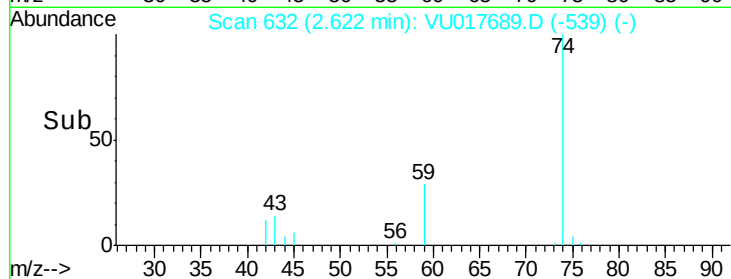
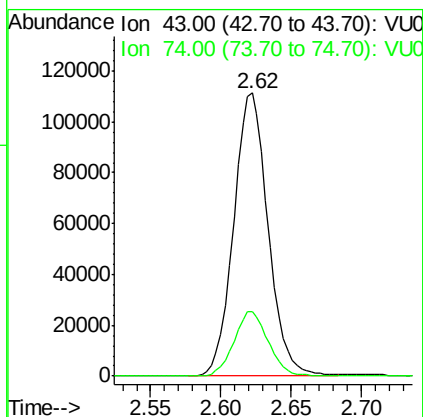
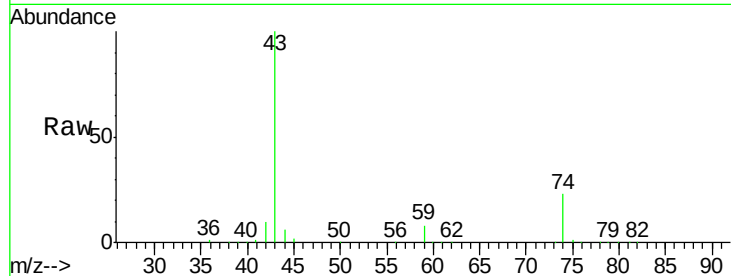




#15
Methyl Acetate
Concen: 48.926 ug/L
RT: 2.62 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU017689.D
Acq: 24 Jun 2017 14:02

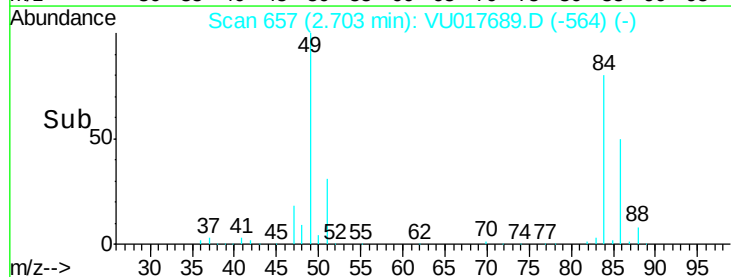
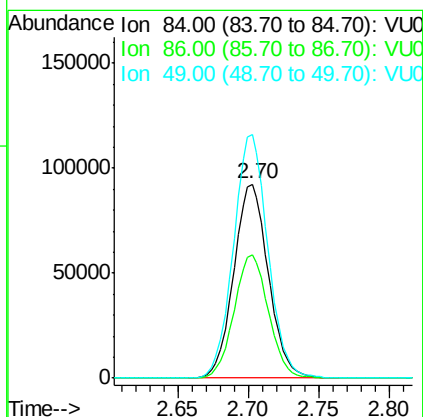
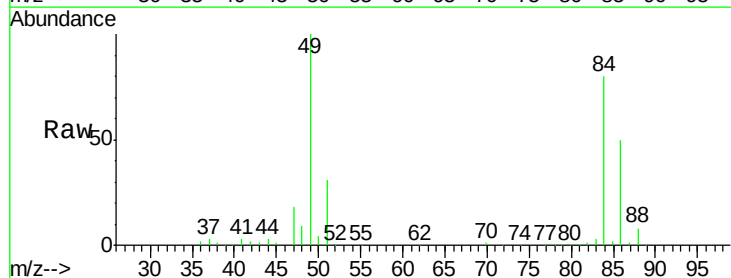
Instrument :
BNA_M
ClientSampleId :

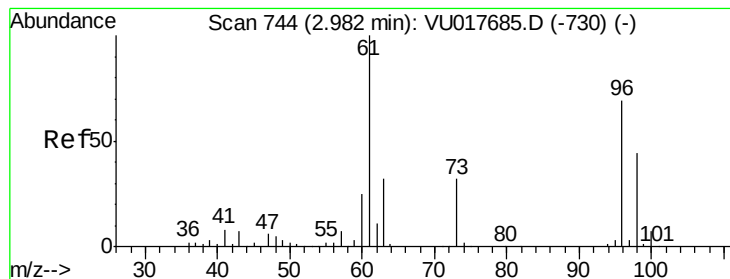
Tgt Ion: 43 Resp: 188953
Ion Ratio Lower Upper
43 100
74 22.9 18.2 27.4



#16
Methylene chloride
Concen: 47.172 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU017689.D
Acq: 24 Jun 2017 14:02

Tgt Ion: 84 Resp: 159085
Ion Ratio Lower Upper
84 100
86 63.4 45.0 83.6
49 125.5 87.6 162.6





#17

trans-1,2-Dichloroethene

Concen: 49.506 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Instrument :

BNA_M

ClientSampleId :

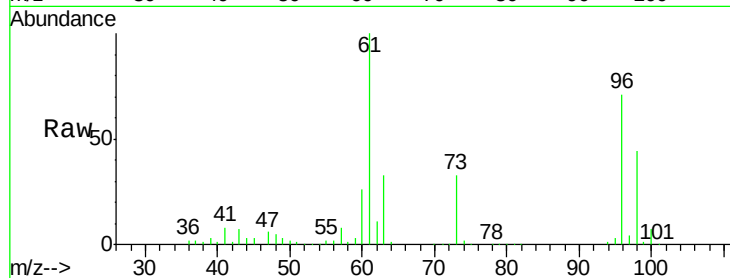
Tgt Ion: 96 Resp: 145676

Ion Ratio Lower Upper

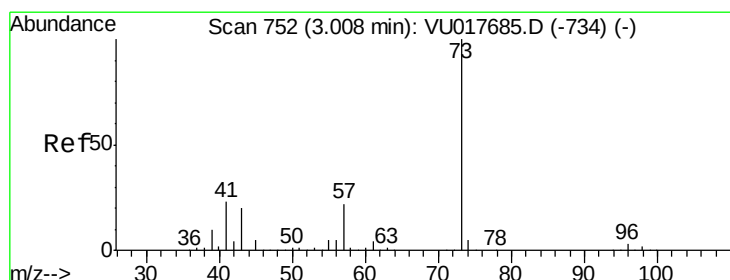
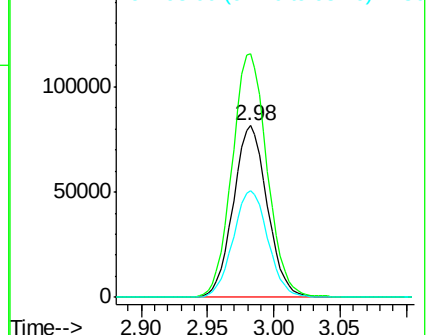
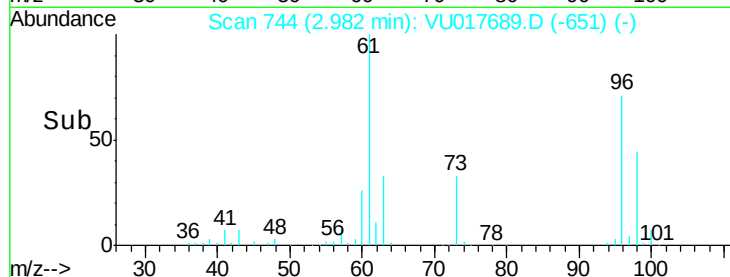
96 100

61 141.8 102.0 189.4

98 62.2 45.0 83.6



Abundance Ion 96.00 (95.70 to 96.70): VU017689.D (-651) (-)



#18

Methyl tert-butyl Ether

Concen: 49.288 ug/L

RT: 3.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

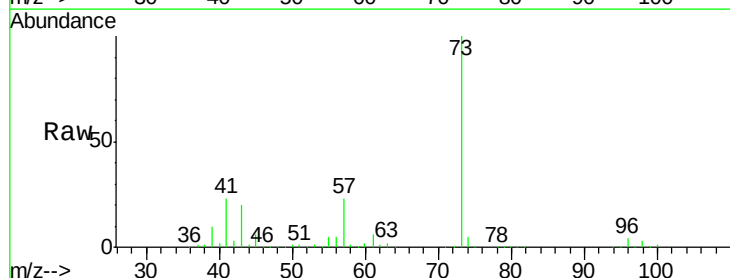
Tgt Ion: 73 Resp: 458100

Ion Ratio Lower Upper

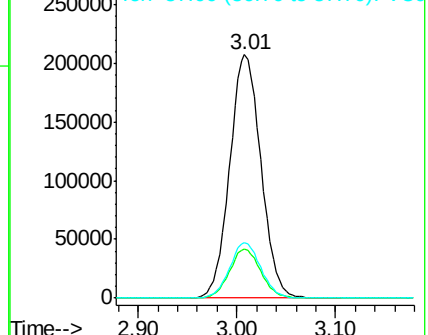
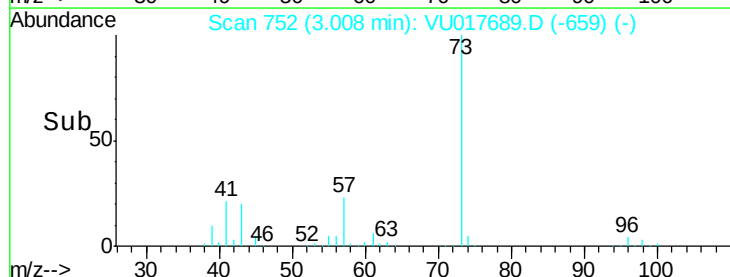
73 100

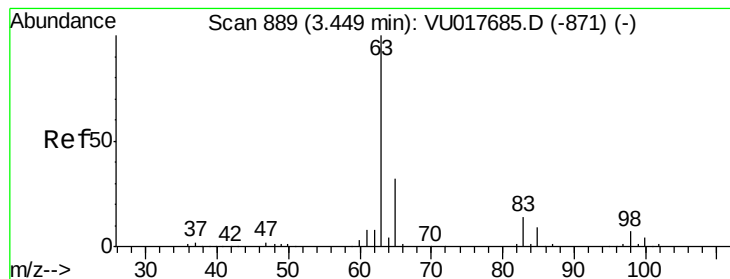
43 20.0 15.8 23.6

57 22.7 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VU017689.D (-659) (-)





#19

1,1-Dichloroethane

Concen: 49.248 ug/L

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Instrument :

BNA_M

ClientSampleId :

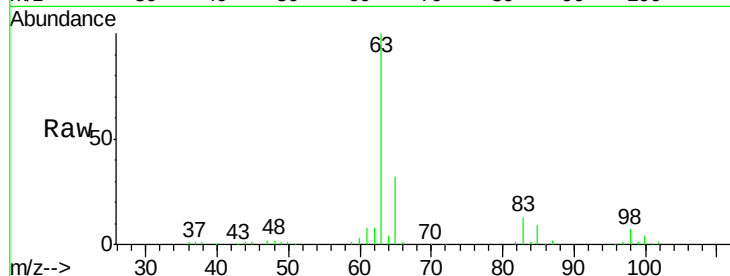
Tgt Ion: 63 Resp: 289810

Ion Ratio Lower Upper

63 100

65 31.7 22.2 41.2

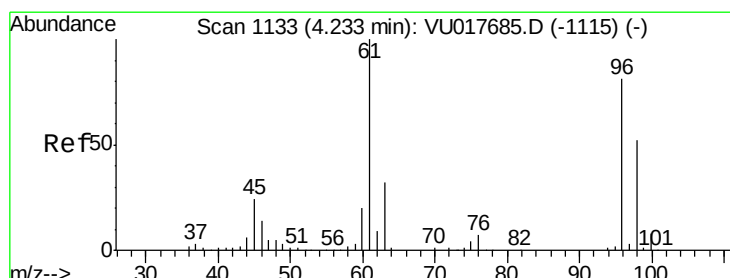
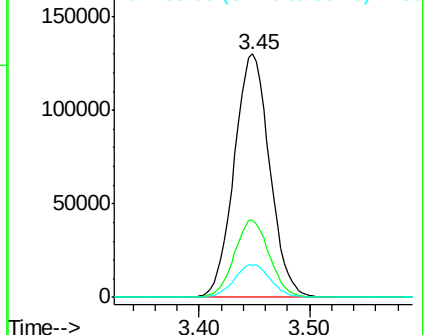
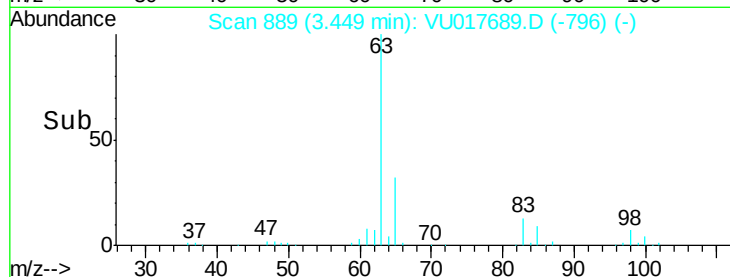
83 13.4 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VU017689.D (-796) (-)

Ion 65.00 (64.70 to 65.70): VU017689.D (-796) (-)

Ion 83.00 (82.70 to 83.70): VU017689.D (-796) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.493 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

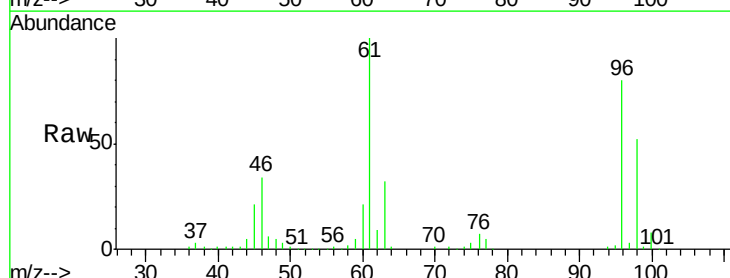
Tgt Ion: 96 Resp: 183031

Ion Ratio Lower Upper

96 100

61 124.8 87.1 161.7

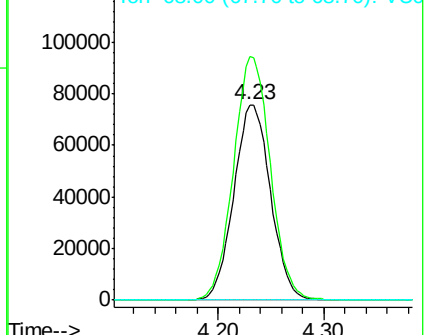
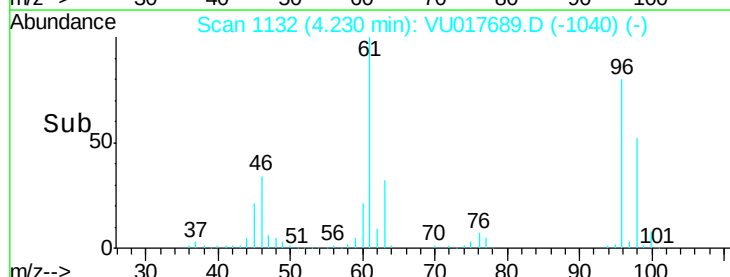
68 0.0 0.0 0.0

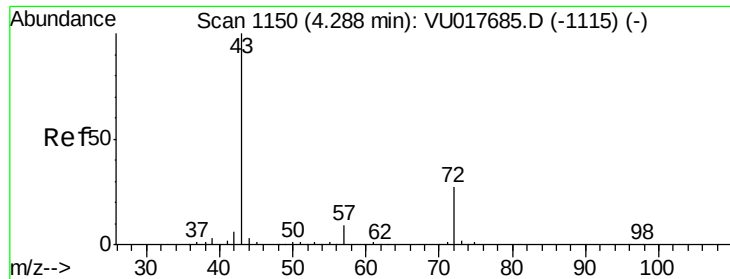


Abundance Ion 96.00 (95.70 to 96.70): VU017689.D (-1040) (-)

Ion 61.00 (60.70 to 61.70): VU017689.D (-1040) (-)

Ion 68.00 (67.70 to 68.70): VU017689.D (-1040) (-)





#22

2-Butanone

Concen: 98.073 ug/L

RT: 4.29 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Instrument :

BNA_M

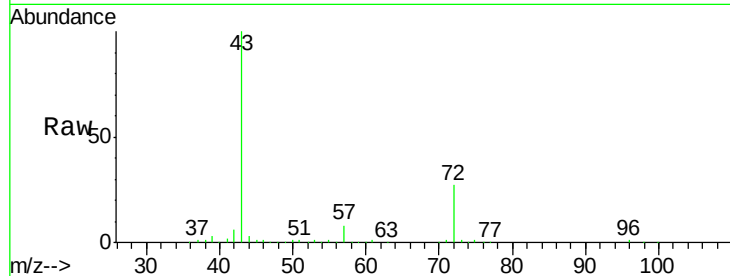
ClientSampleId :

Tgt Ion: 43 Resp: 285288

Ion Ratio Lower Upper

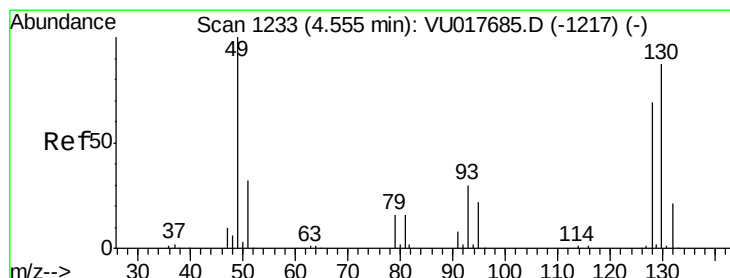
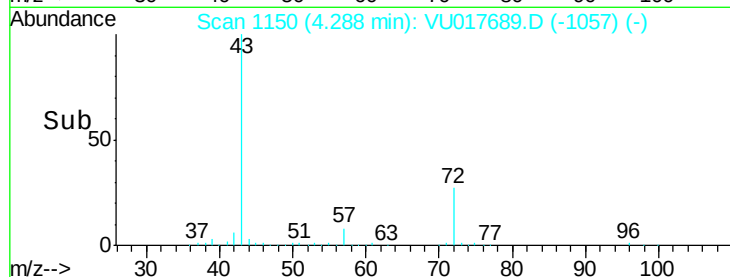
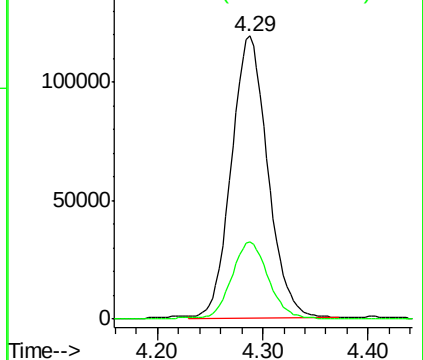
43 100

72 27.6 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 49.858 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Tgt Ion: 128 Resp: 93019

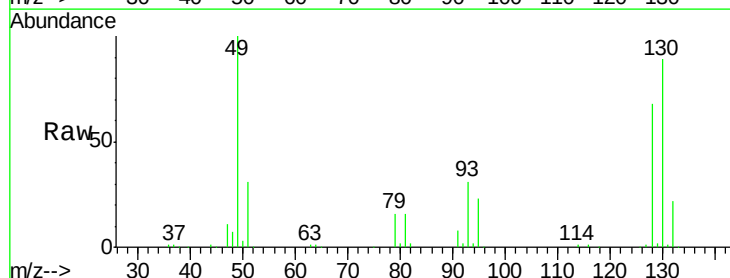
Ion Ratio Lower Upper

128 100

49 146.3 101.6 188.8

130 130.0 88.1 163.5

51 45.4 36.8 55.2

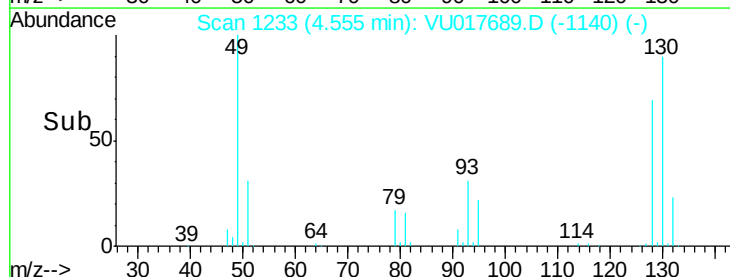
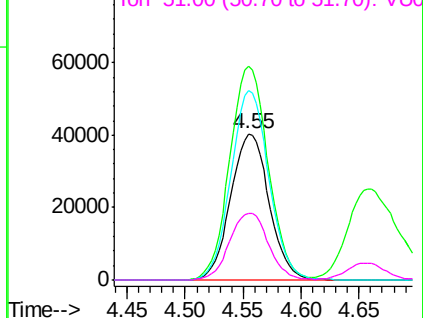


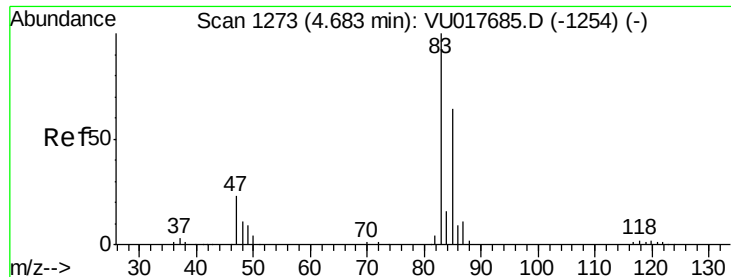
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0

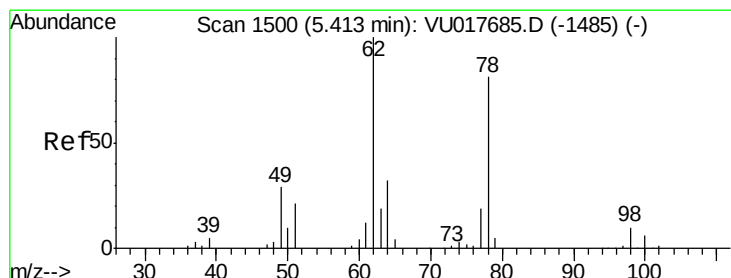
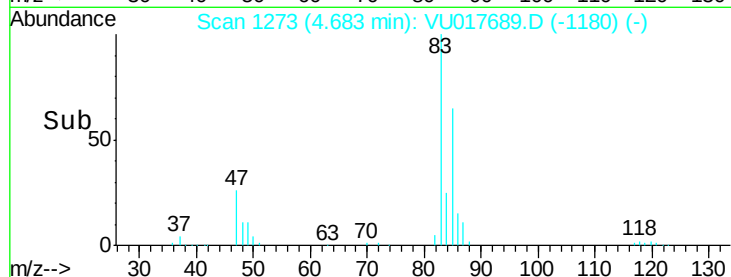
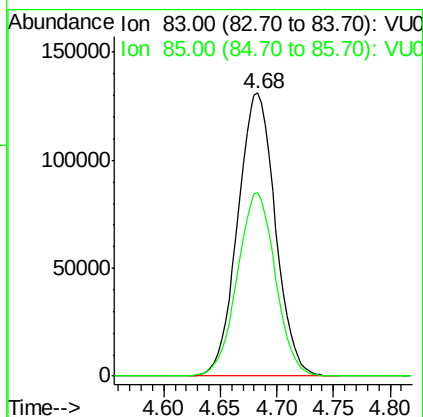
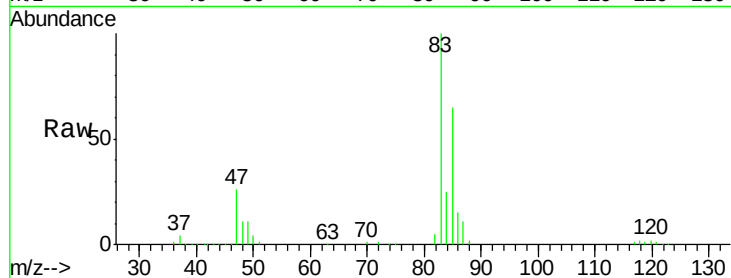




#25
Chloroform
Concen: 49.267 ug/L
RT: 4.68 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VU017689.D
Acq: 24 Jun 2017 14:02

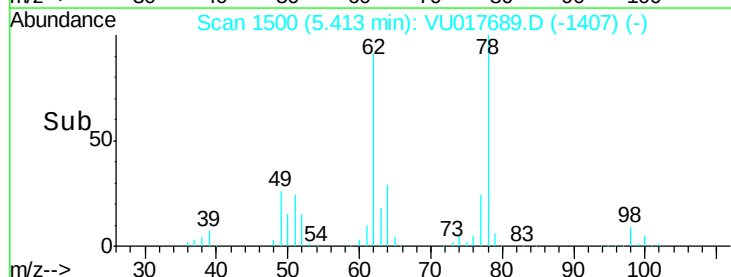
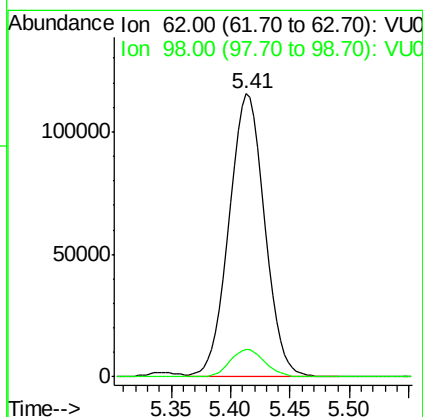
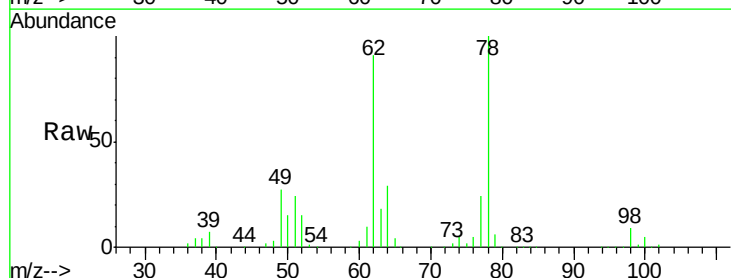
Instrument :
BNA_M
ClientSampled :

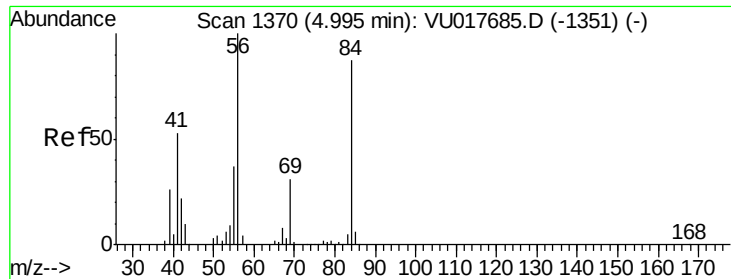
Tgt Ion: 83 Resp: 303055
Ion Ratio Lower Upper
83 100
85 64.8 44.9 83.3



#27
1,2-Dichloroethane
Concen: 49.352 ug/L
RT: 5.41 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VU017689.D
Acq: 24 Jun 2017 14:02

Tgt Ion: 62 Resp: 240329
Ion Ratio Lower Upper
62 100
98 9.8 7.7 11.5

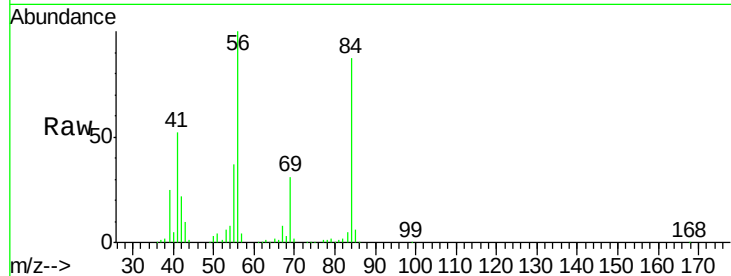




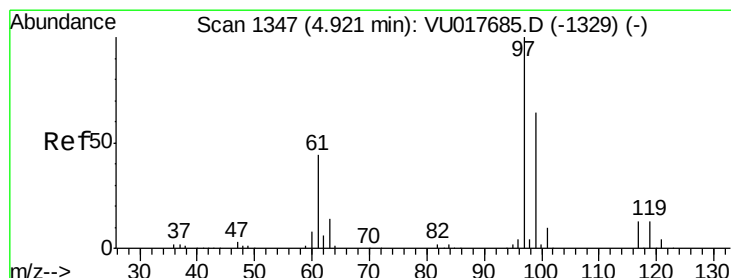
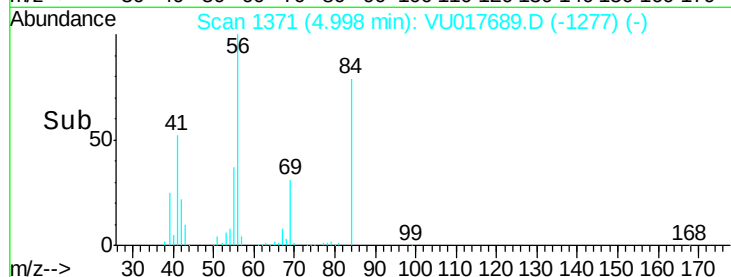
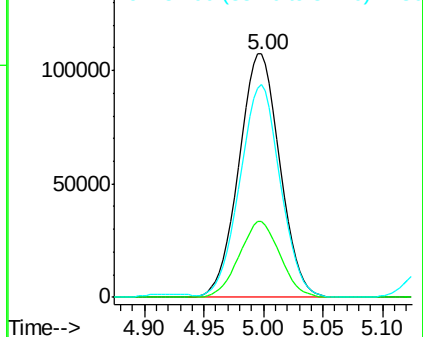
#29
Cyclohexane
Concen: 50.252 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU017689.D
Acq: 24 Jun 2017 14:02

Instrument :
BNA_M
ClientSampled :

Tgt Ion: 56 Resp: 256156
Ion Ratio Lower Upper
56 100
69 31.1 24.8 37.2
84 86.4 70.1 105.1

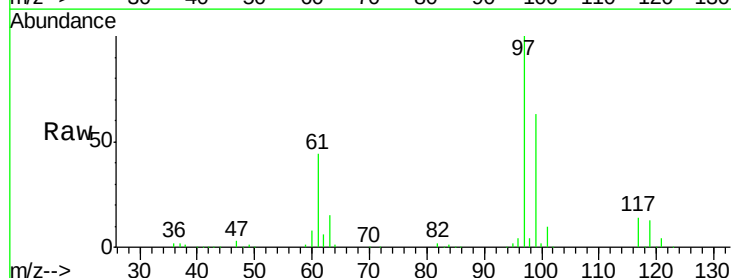


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

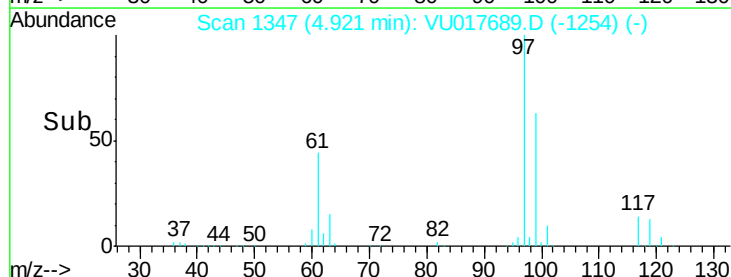
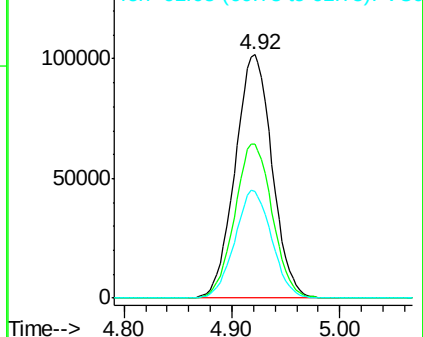


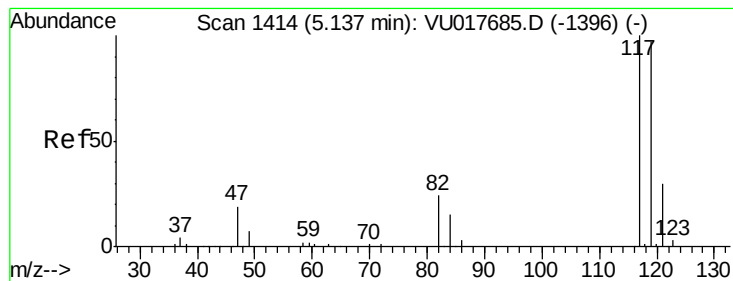
#30
1,1,1-Trichloroethane
Concen: 50.538 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU017689.D
Acq: 24 Jun 2017 14:02

Tgt Ion: 97 Resp: 242794
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.6
61 44.1 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: 51.122 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Instrument :

BNA_M

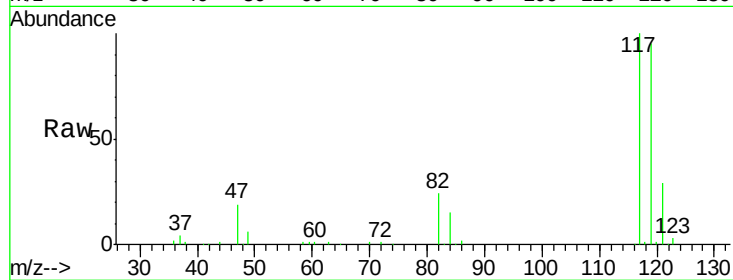
ClientSampled :

Tgt Ion:117 Resp: 210261

Ion Ratio Lower Upper

117 100

119 95.9 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.14

100000

80000

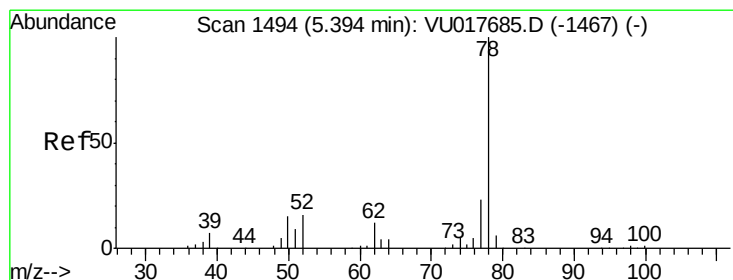
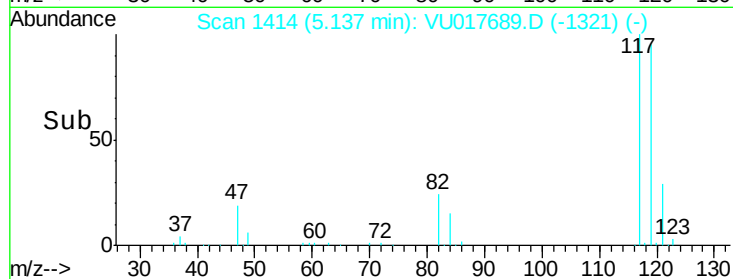
60000

40000

20000

0

Time--> 5.05 5.10 5.15 5.20



#33

Benzene

Concen: 50.354 ug/L

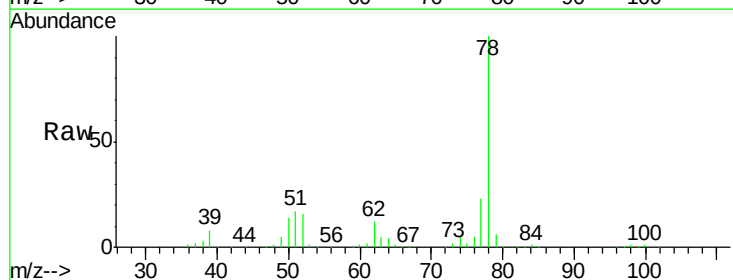
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Tgt Ion: 78 Resp: 680668



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.39

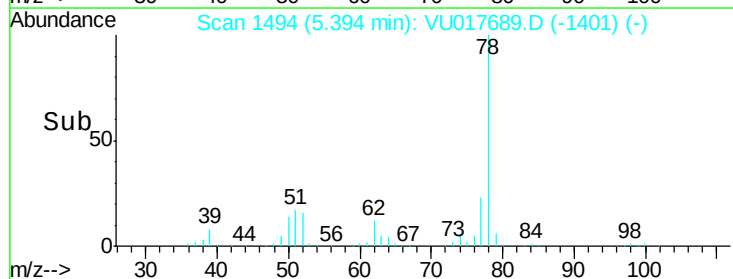
300000

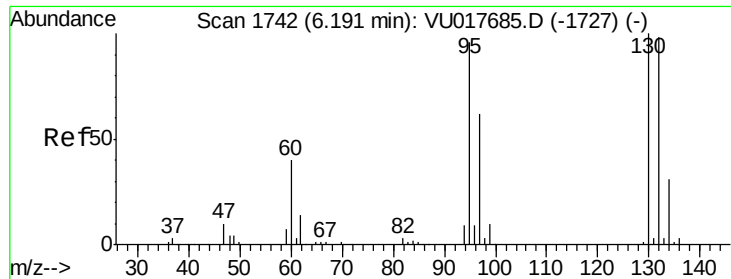
200000

100000

0

Time--> 5.30 5.40 5.50

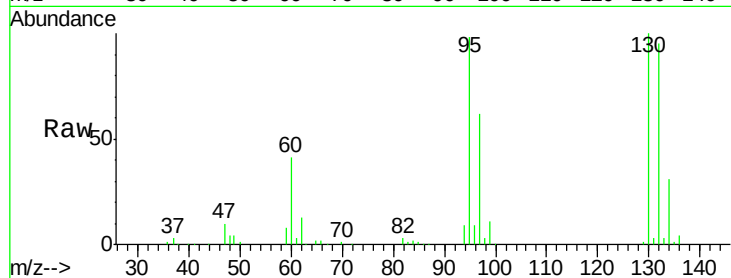




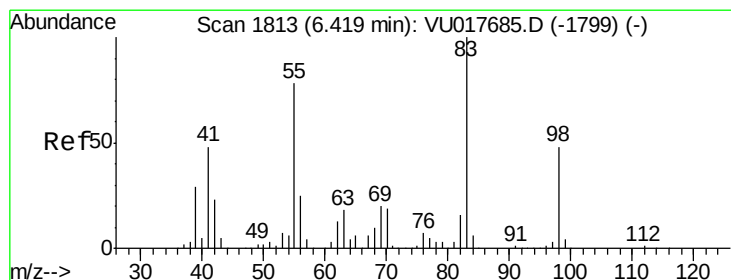
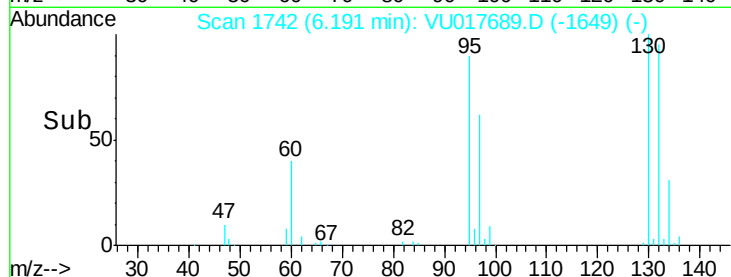
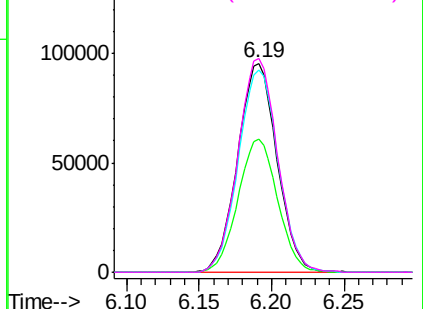
#34
 Trichloroethene
 Concen: 50.423 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU017689.D
 Acq: 24 Jun 2017 14:02

Instrument :
 BNA_M
 ClientSampled :

Tgt Ion: 95 Resp: 180435
 Ion Ratio Lower Upper
 95 100
 97 63.9 45.8 85.0
 132 97.1 71.5 132.9
 130 102.3 73.2 136.0

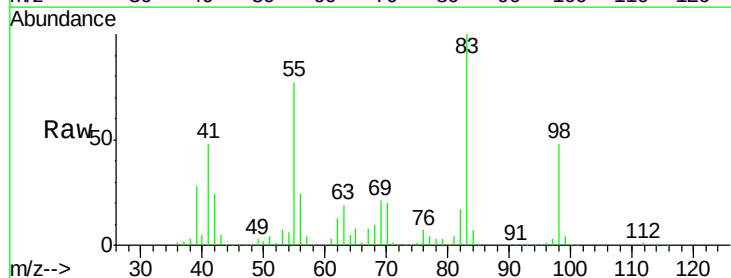


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

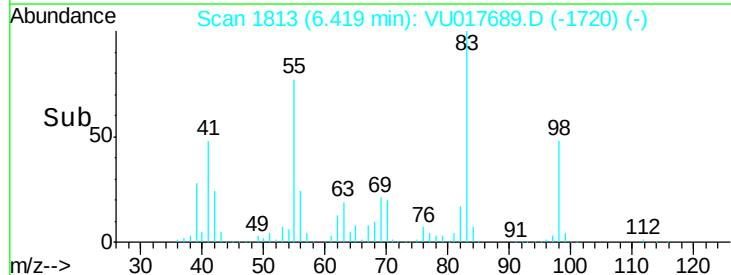
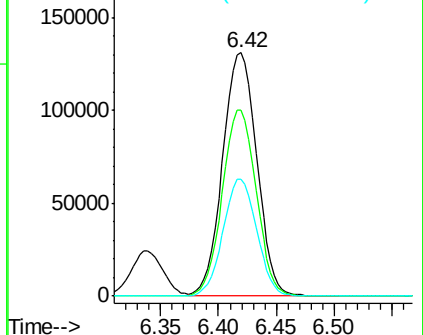


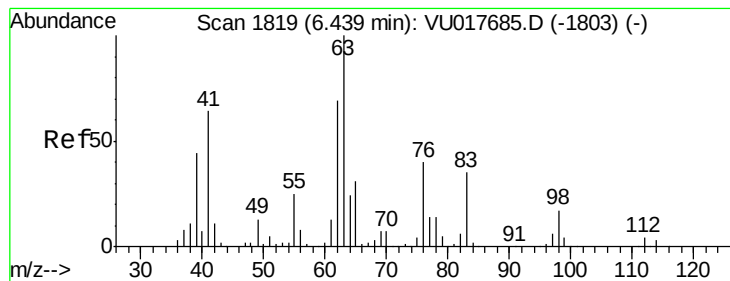
#35
 Methylcyclohexane
 Concen: 49.793 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU017689.D
 Acq: 24 Jun 2017 14:02

Tgt Ion: 83 Resp: 267607
 Ion Ratio Lower Upper
 83 100
 55 76.0 61.8 92.6
 98 47.5 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: 49.459 ug/L

RT: 6.44 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Instrument :

BNA_M

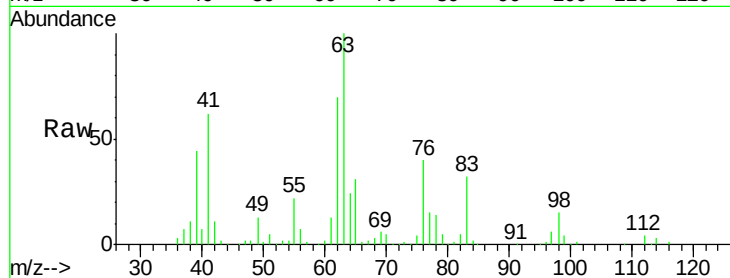
ClientSampleId :

Tgt Ion: 63 Resp: 176536

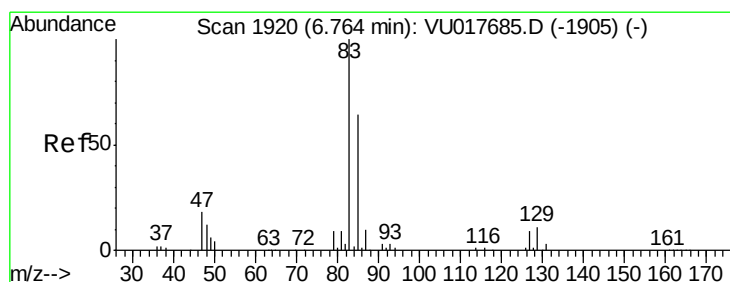
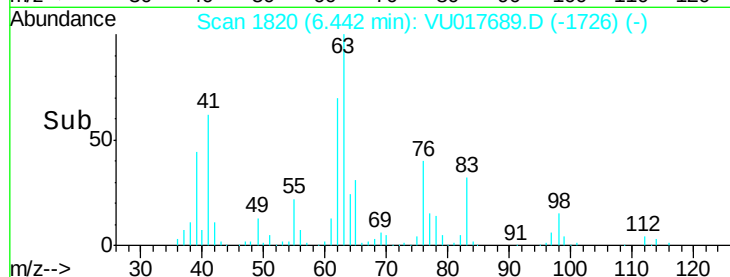
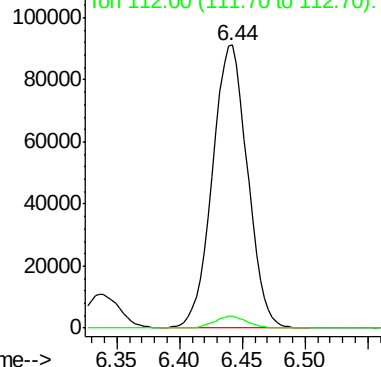
Ion Ratio Lower Upper

63 100

112 4.0 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU017685.D (-1803) (-)



#38

Bromodichloromethane

Concen: 50.516 ug/L

RT: 6.76 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

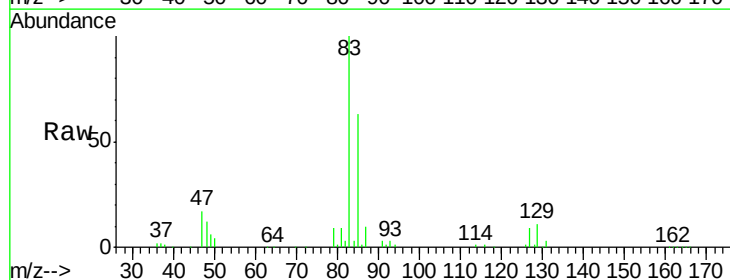
Tgt Ion: 83 Resp: 211537

Ion Ratio Lower Upper

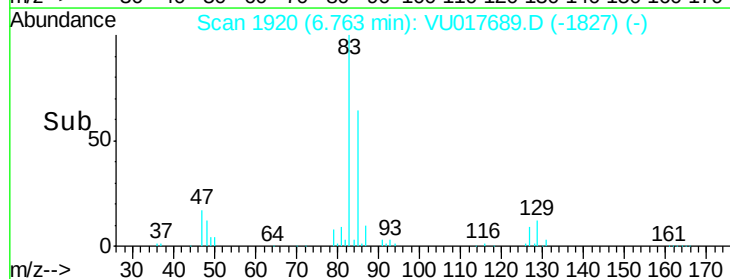
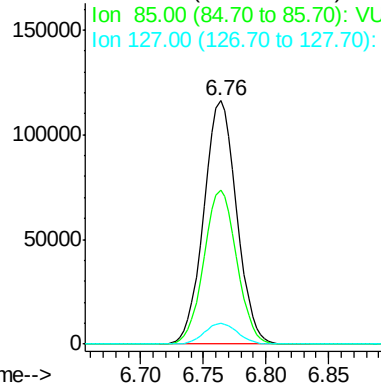
83 100

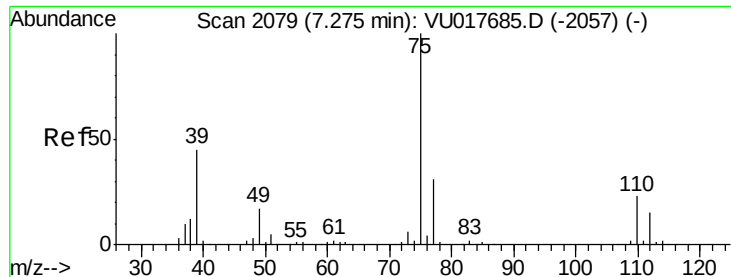
85 63.3 44.9 83.3

127 8.5 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VU017685.D (-1905) (-)

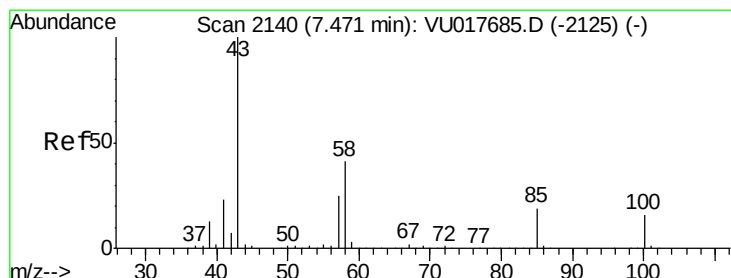
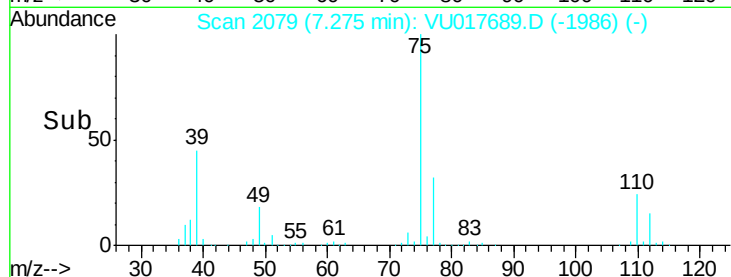
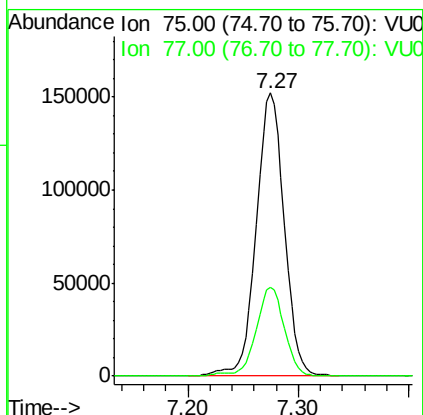
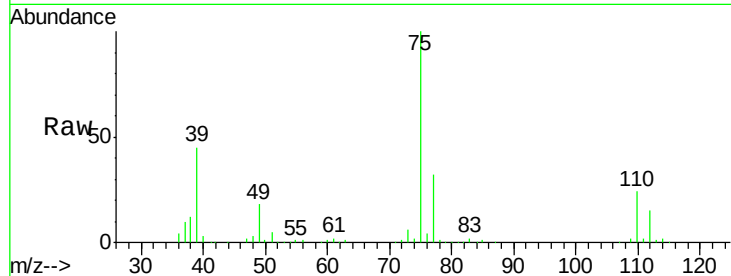




#39
 cis-1,3-Dichloropropene
 Concen: 52.024 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VU017689.D
 Acq: 24 Jun 2017 14:02

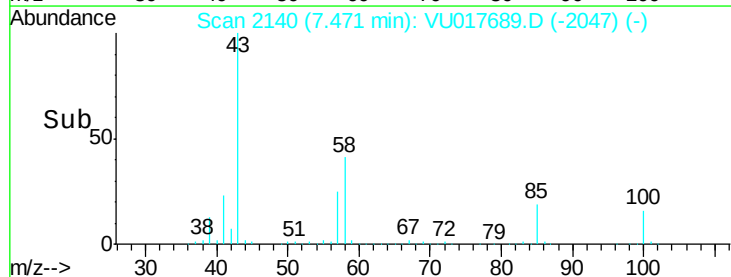
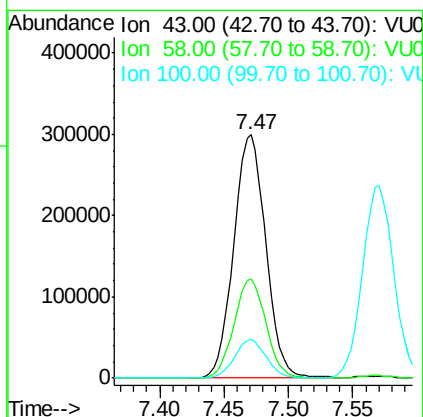
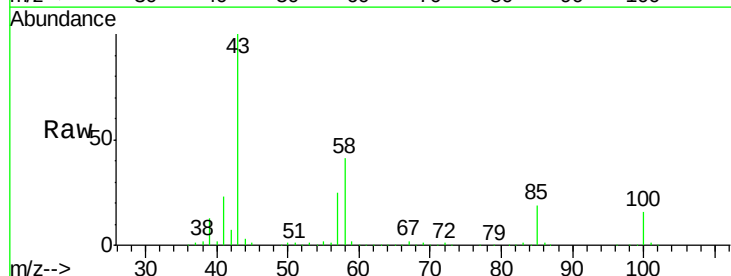
Instrument :
 BNA_M
 ClientSampled :

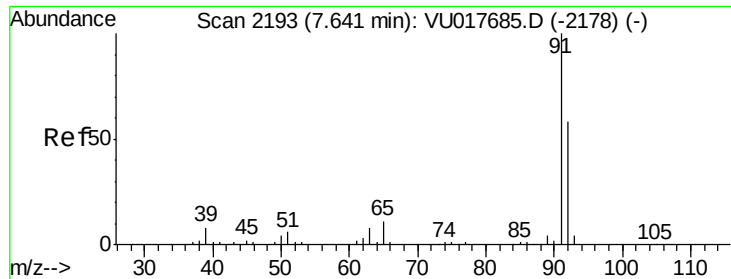
Tgt Ion: 75 Resp: 269009
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 100.219 ug/L
 RT: 7.47 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VU017689.D
 Acq: 24 Jun 2017 14:02

Tgt Ion: 43 Resp: 518731
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.3 48.5
 100 15.5 12.6 19.0





#42

Toluene

Concen: 50.165 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Instrument :

BNA_M

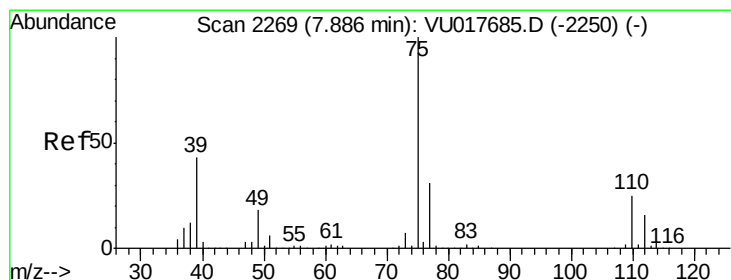
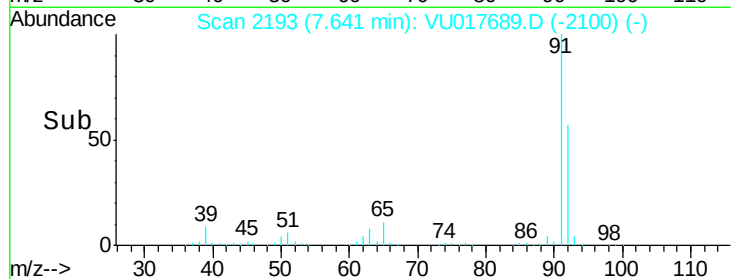
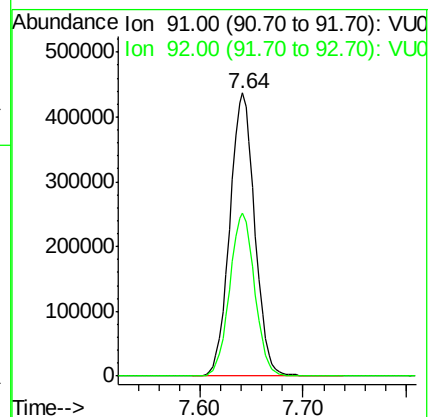
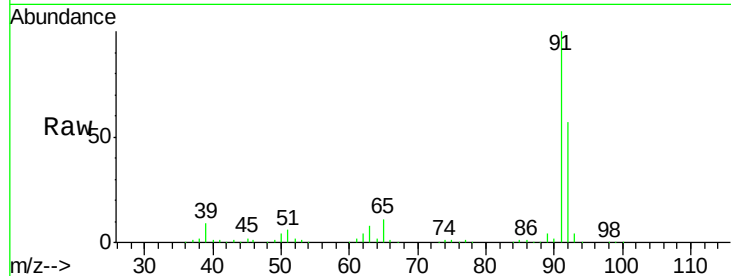
ClientSampled :

Tgt Ion: 91 Resp: 736272

Ion Ratio Lower Upper

91 100

92 57.5 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 52.306 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VU017689.D

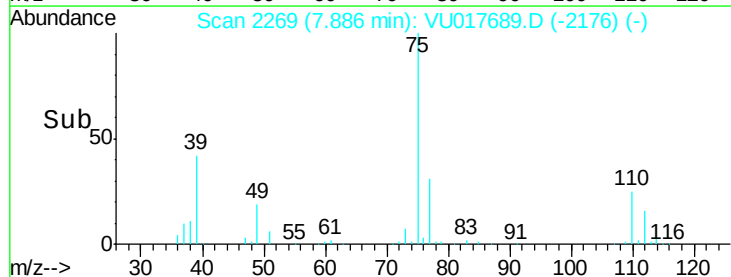
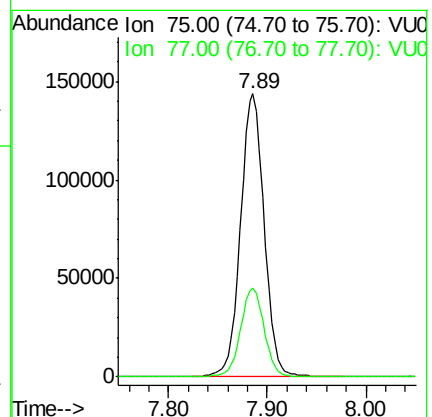
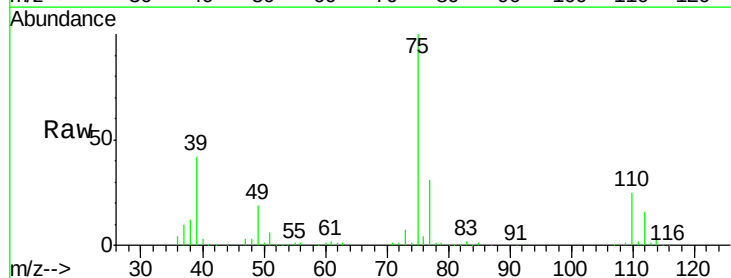
Acq: 24 Jun 2017 14:02

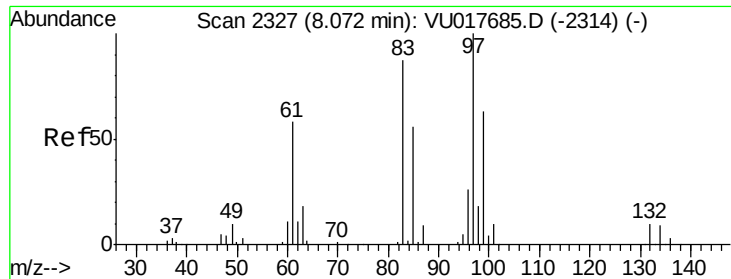
Tgt Ion: 75 Resp: 239121

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.2

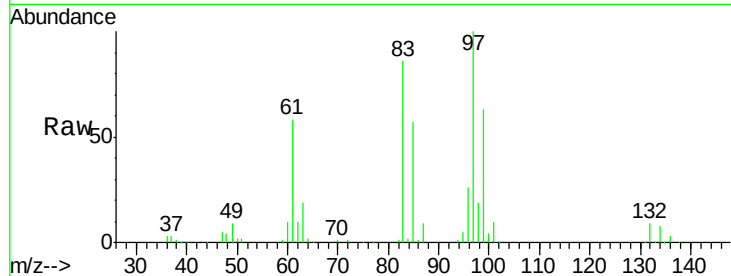




#45
 1,1,2-Trichloroethane
 Concen: 49.942 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. -0.00 min
 Lab File: VU017689.D
 Acq: 24 Jun 2017 14:02

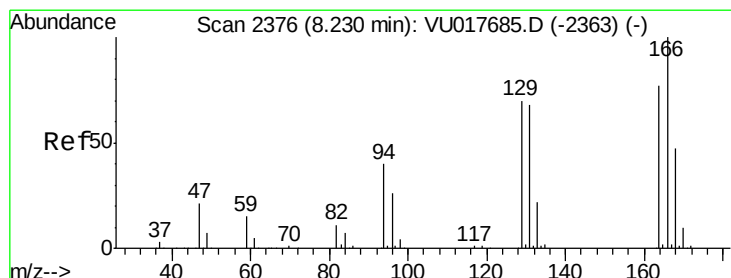
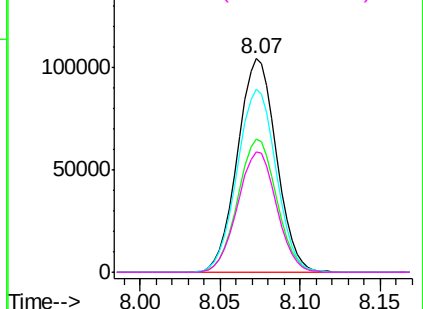
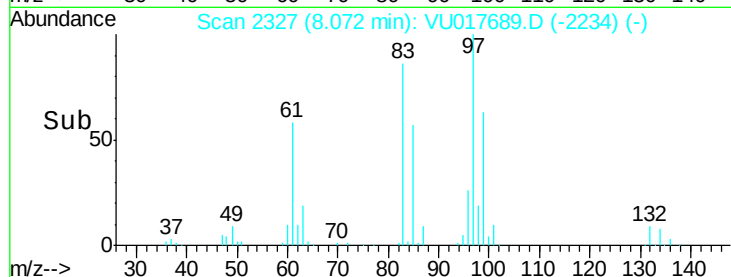
Instrument :
 BNA_M
 ClientSampled :

Tgt Ion:	97	Resp:	173007
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.8	81.3
83	85.9	60.8	113.0
85	56.6	39.4	73.2



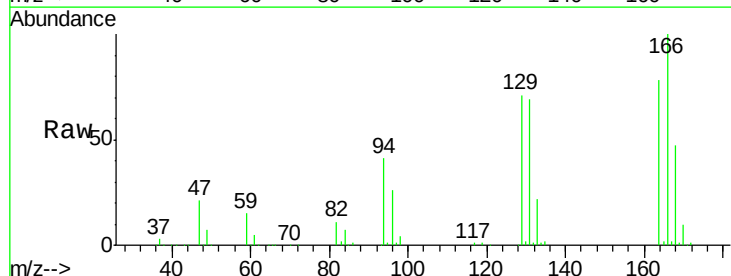
Abundance

Ion 97.00 (96.70 to 97.70): VU017689.D (-2234) (-)



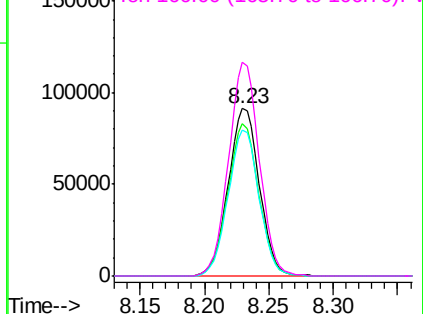
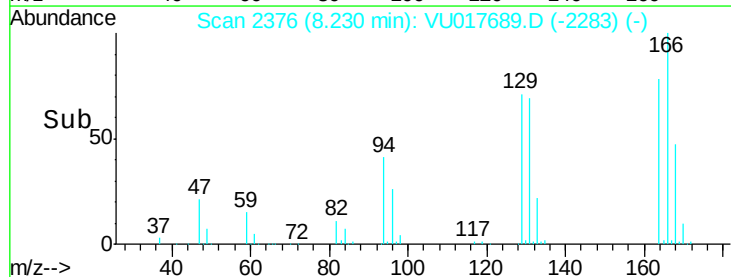
#46
 Tetrachloroethene
 Concen: 50.073 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU017689.D
 Acq: 24 Jun 2017 14:02

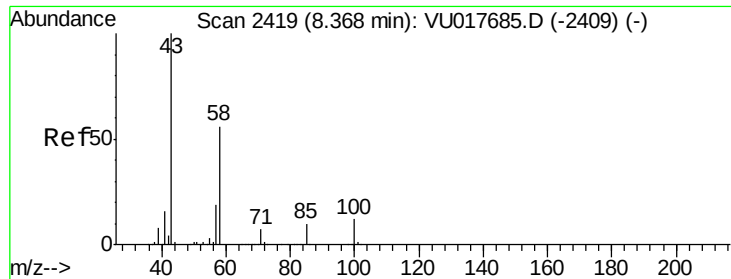
Tgt Ion:	164	Resp:	153094
Ion	Ratio	Lower	Upper
164	100		
129	90.8	63.6	118.2
131	87.5	62.0	115.2
166	127.6	90.9	168.9



Abundance

Ion 164.00 (163.70 to 164.70): VU017689.D (-2283) (-)

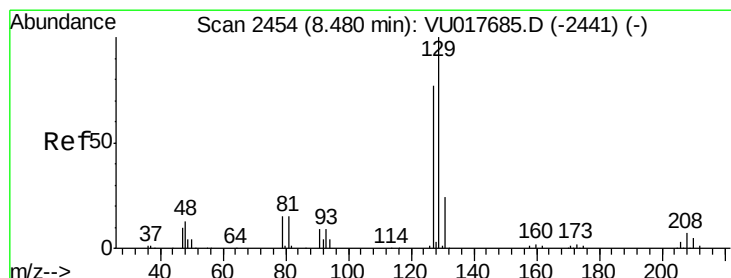
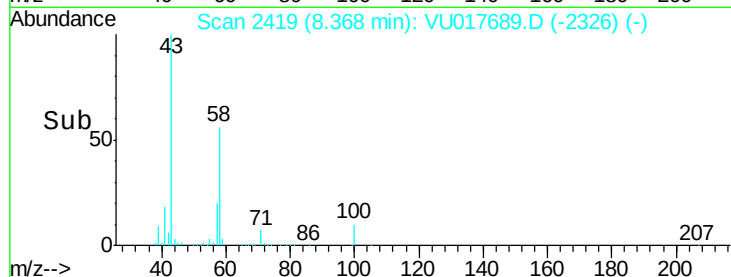
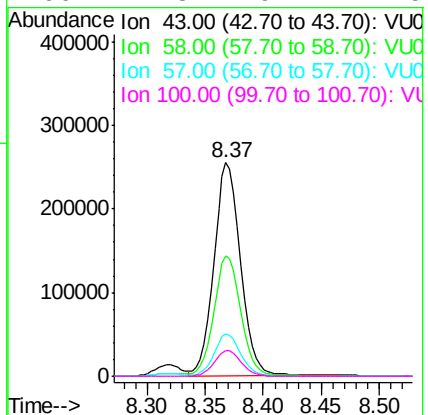
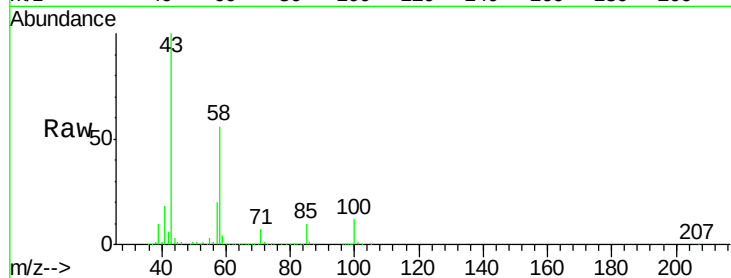




#48
2-Hexanone
Concen: 100.997 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. -0.00 min
Lab File: VU017689.D
Acq: 24 Jun 2017 14:02

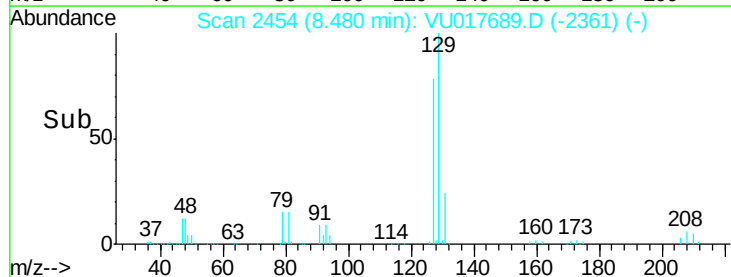
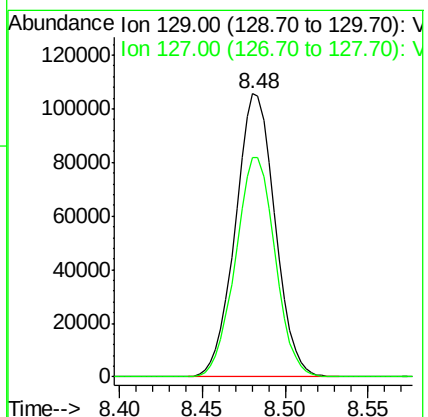
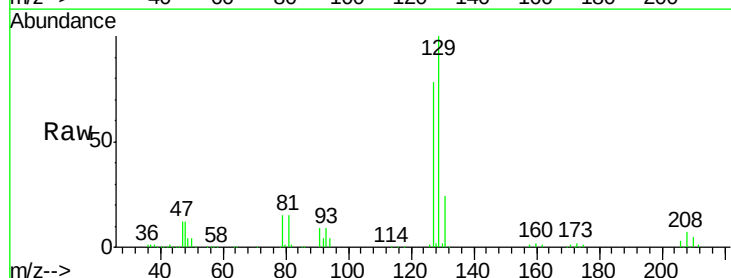
Instrument :
BNA_M
ClientSampleId :

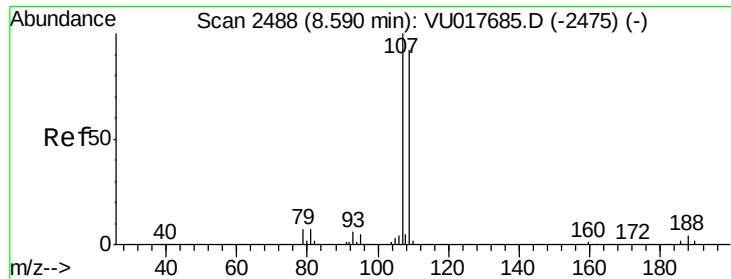
Tgt Ion: 43 Resp: 409261
Ion Ratio Lower Upper
43 100
58 56.8 45.4 68.2
57 19.3 15.4 23.0
100 12.3 9.7 14.5



#49
Dibromochloromethane
Concen: 51.036 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU017689.D
Acq: 24 Jun 2017 14:02

Tgt Ion: 129 Resp: 175832
Ion Ratio Lower Upper
129 100
127 77.5 54.2 100.6

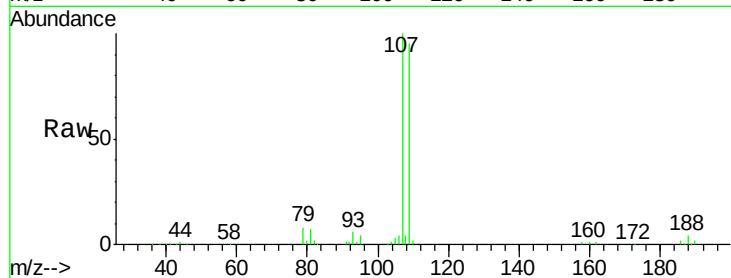




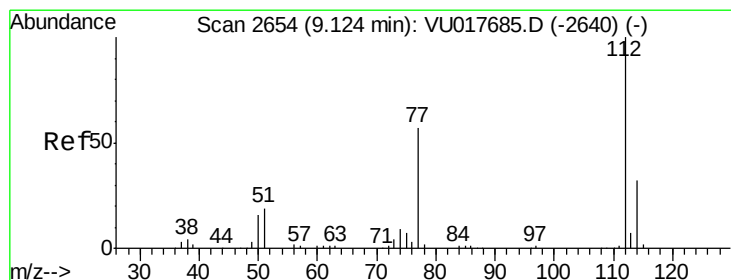
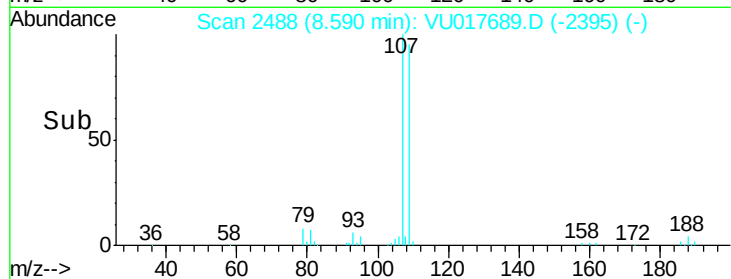
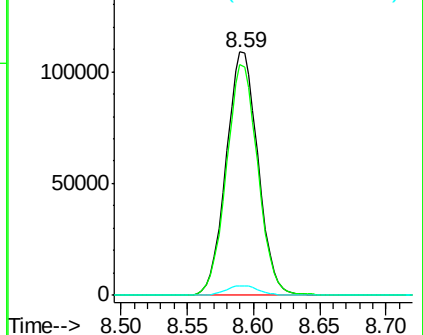
#50
1,2-Dibromoethane
Concen: 50.169 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU017689.D
Acq: 24 Jun 2017 14:02

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:107 Resp: 181362
Ion Ratio Lower Upper
107 100
109 94.6 64.8 120.3
188 4.1 3.3 4.9

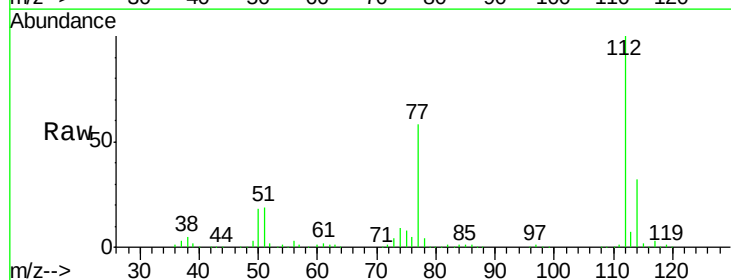


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

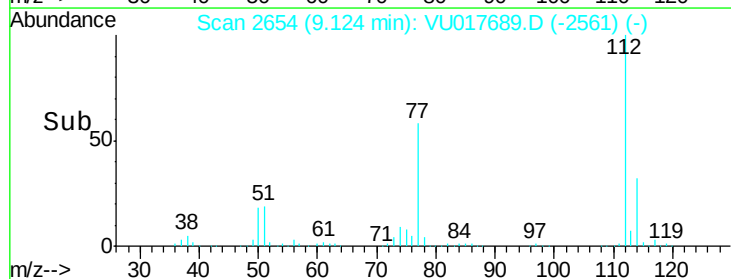
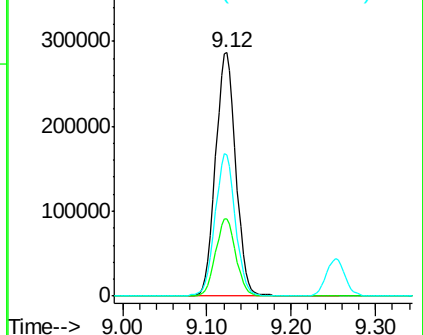


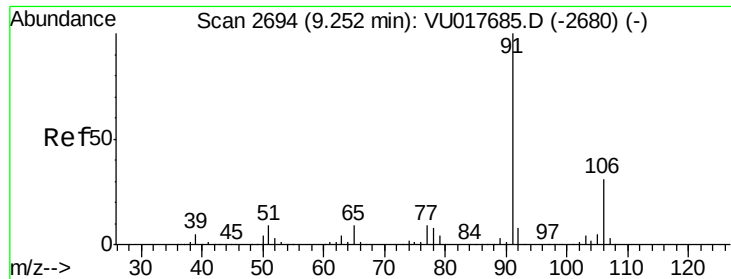
#51
Chlorobenzene
Concen: 49.133 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU017689.D
Acq: 24 Jun 2017 14:02

Tgt Ion:112 Resp: 477926
Ion Ratio Lower Upper
112 100
114 31.9 22.7 42.1
77 58.2 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: 50.147 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Instrument :

BNA_M

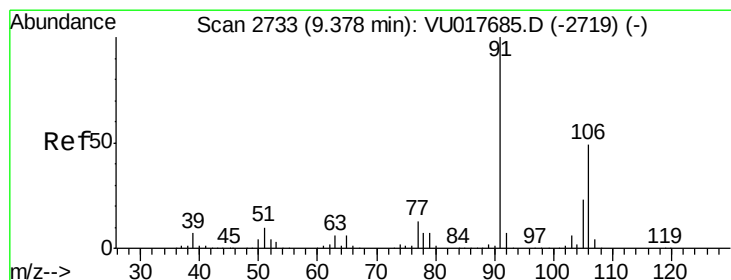
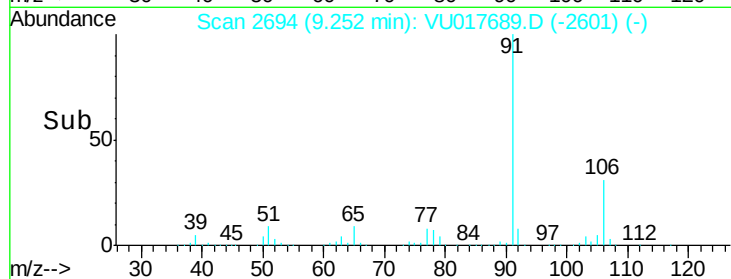
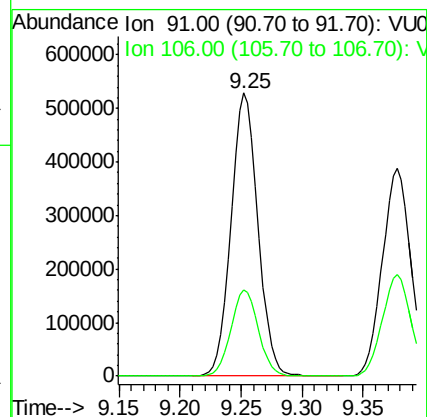
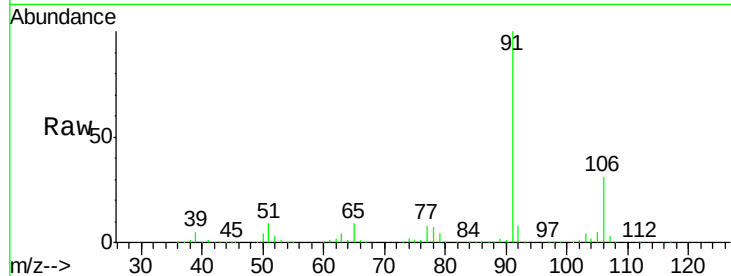
ClientSampleId :

Tgt Ion: 91 Resp: 817097

Ion Ratio Lower Upper

91 100

106 30.7 21.7 40.3



#53

m,p-Xylene

Concen: 49.647 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU017689.D

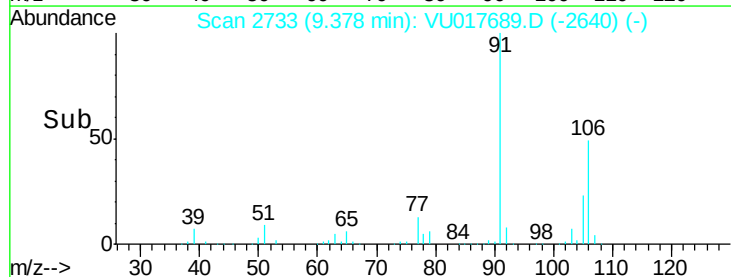
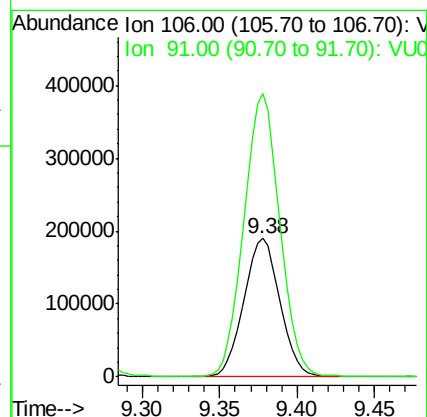
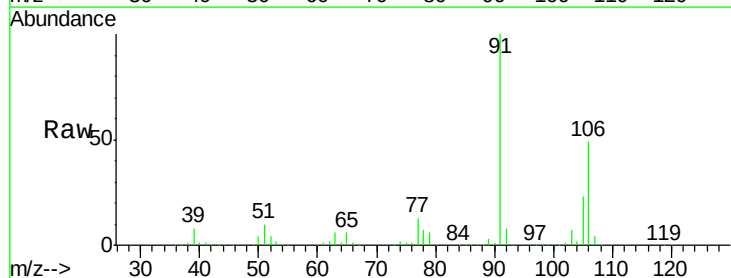
Acq: 24 Jun 2017 14:02

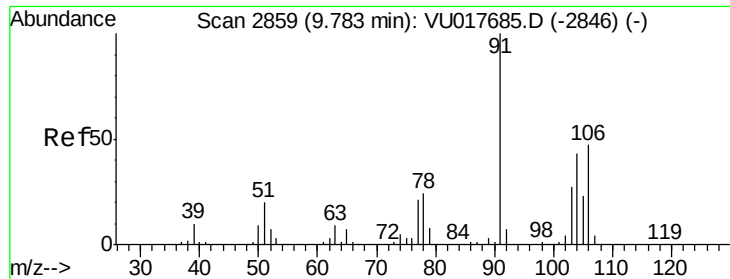
Tgt Ion: 106 Resp: 306954

Ion Ratio Lower Upper

106 100

91 204.6 142.4 264.4





#54

o-xylene

Concen: 50.228 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Instrument :

BNA_M

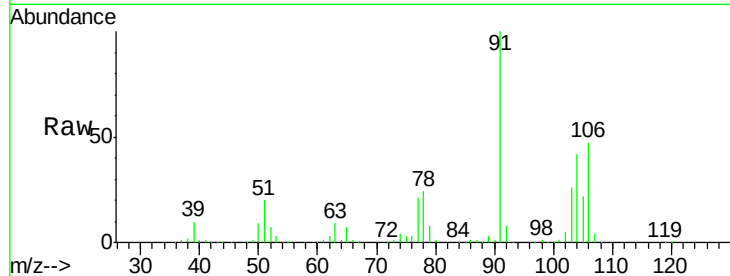
ClientSampled :

Tgt Ion:106 Resp: 304394

Ion Ratio Lower Upper

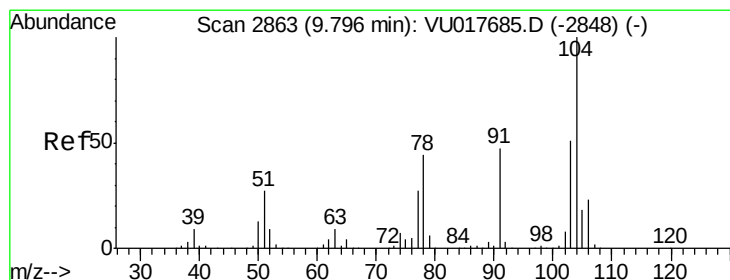
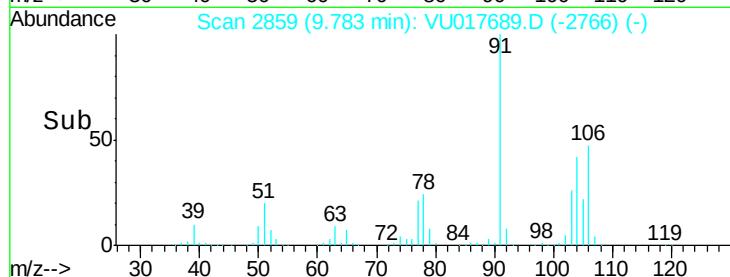
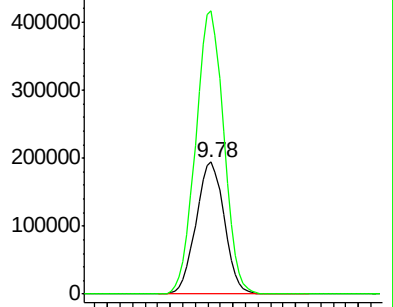
106 100

91 214.7 149.6 277.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.444 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU017689.D

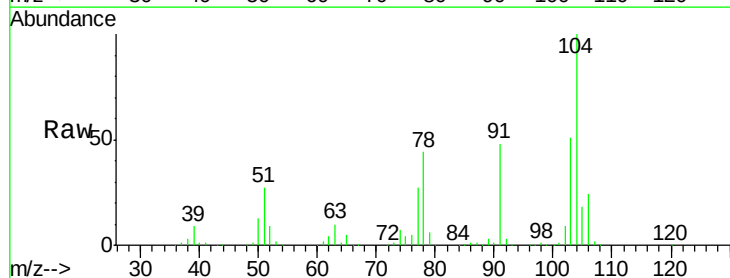
Acq: 24 Jun 2017 14:02

Tgt Ion:104 Resp: 534373

Ion Ratio Lower Upper

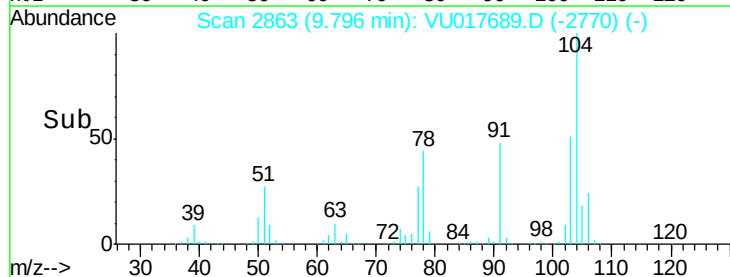
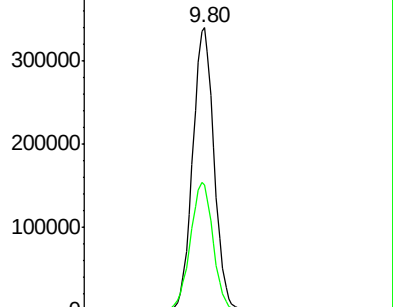
104 100

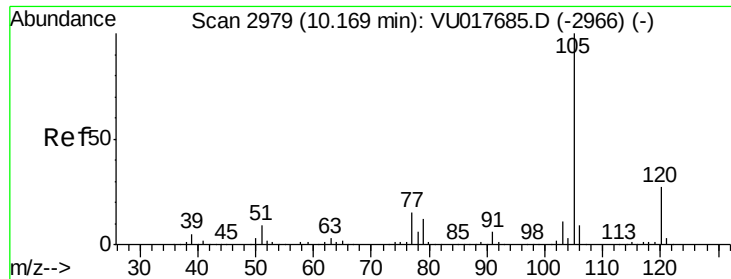
78 44.5 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.127 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Instrument :

BNA_M

ClientSampleId :

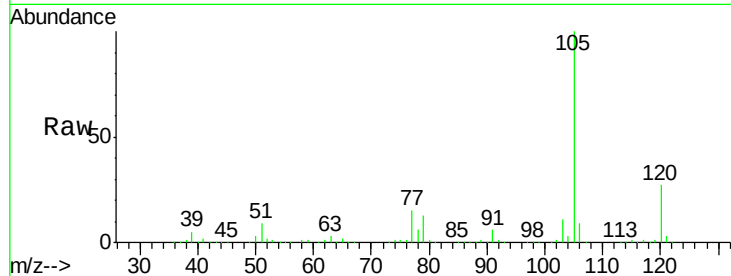
Tgt Ion: 105 Resp: 790735

Ion Ratio Lower Upper

105 100

120 26.9 21.3 31.9

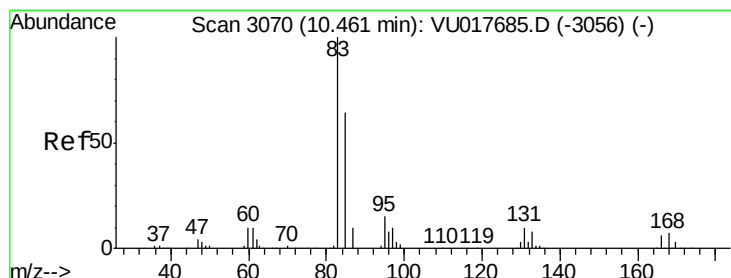
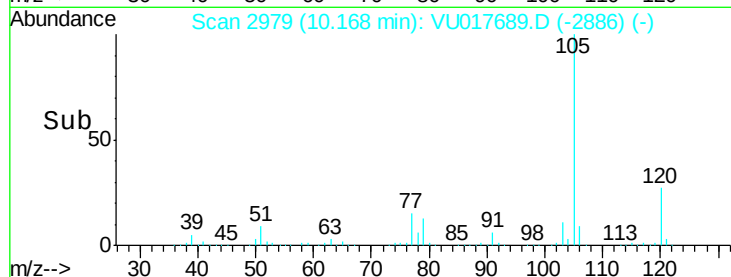
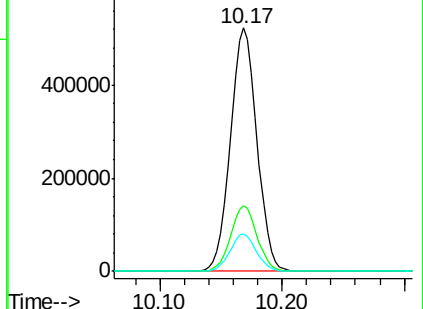
77 15.4 12.3 18.5



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: 49.293 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

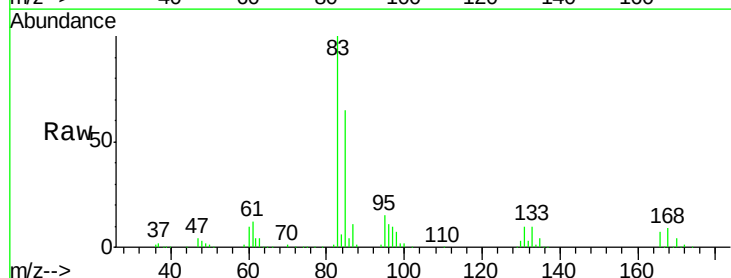
Tgt Ion: 83 Resp: 287007

Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.5

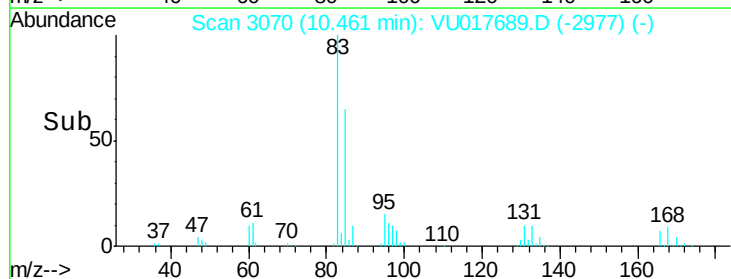
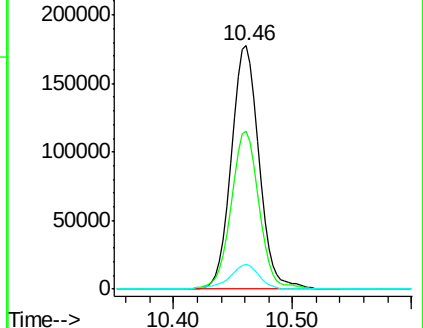
131 10.4 8.2 12.2

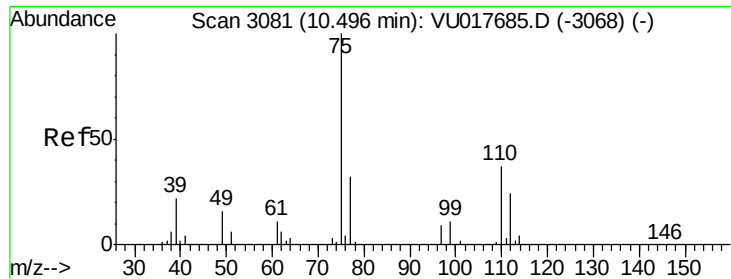


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

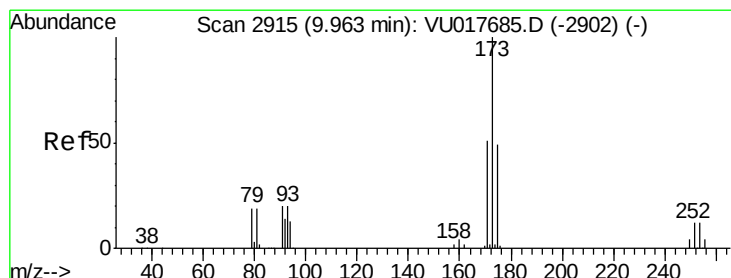
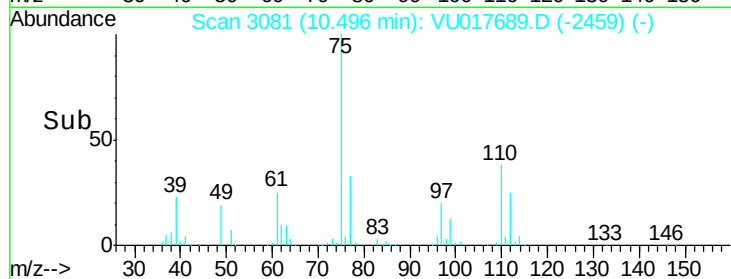
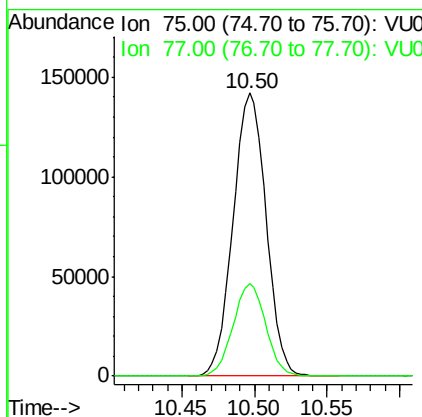
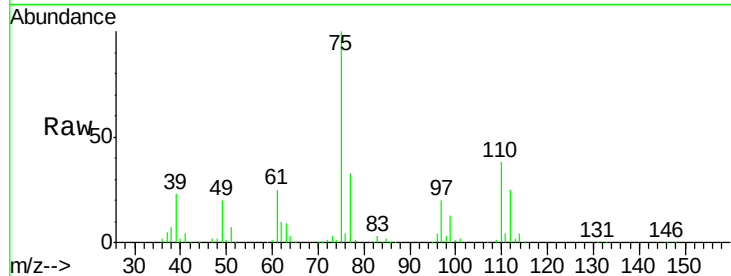




#59
 1,2,3-Trichloropropane
 Concen: 48.970 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU017689.D
 Acq: 24 Jun 2017 14:02

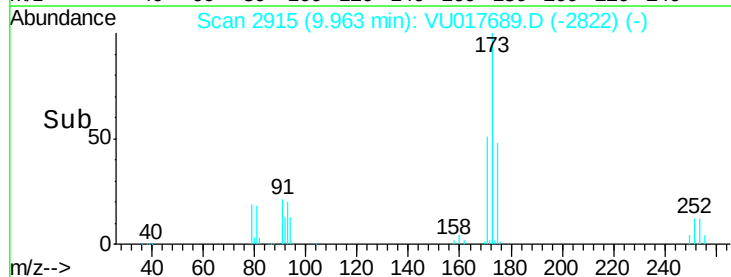
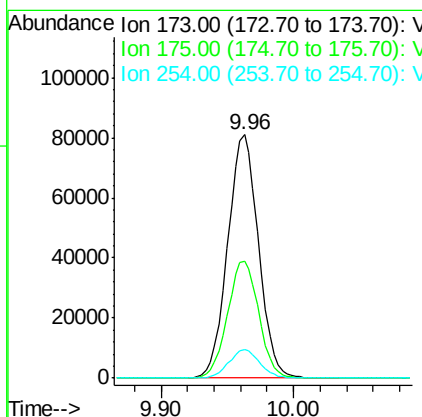
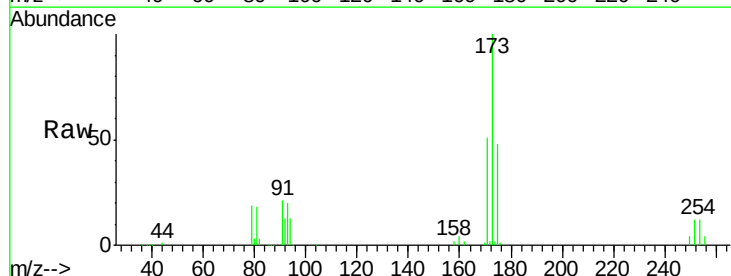
Instrument :
 BNA_M
 ClientSampleId :

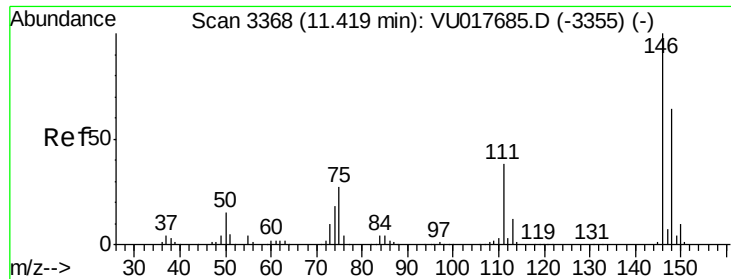
Tgt Ion: 75 Resp: 224655
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.7 38.5



#61
 Bromoform
 Concen: 51.092 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU017689.D
 Acq: 24 Jun 2017 14:02

Tgt Ion: 173 Resp: 130302
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.0 58.4
 254 11.7 9.4 14.2





#62

1,3-Dichlorobenzene

Concen: 49.368 ug/L

RT: 11.42 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VU017689.D

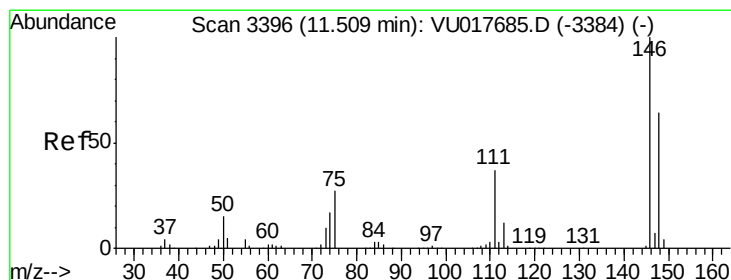
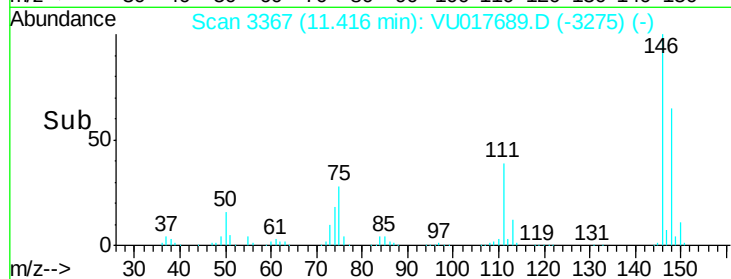
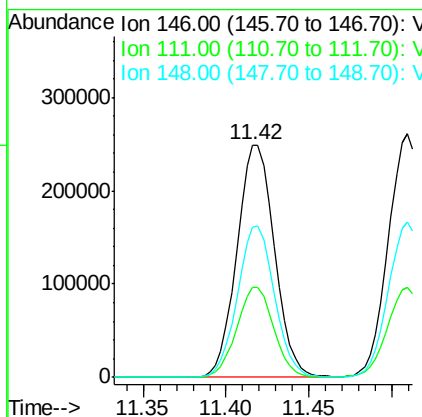
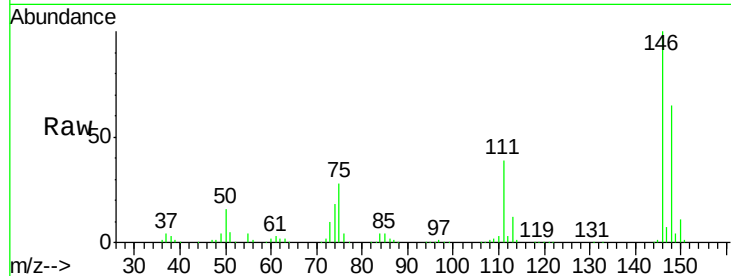
Acq: 24 Jun 2017 14:02

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:	146	Resp:	392753
Ion Ratio	Lower	Upper	
146	100		
111	38.7	26.9	50.1
148	64.6	45.1	83.9



#63

1,4-Dichlorobenzene

Concen: 49.361 ug/L

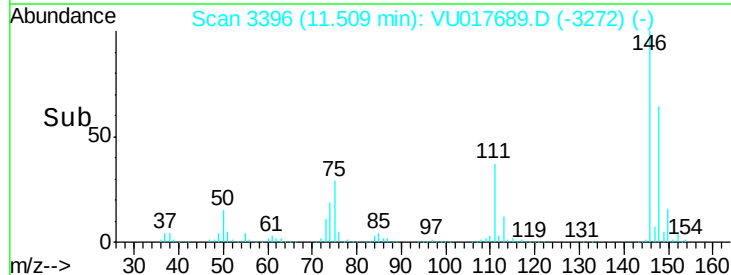
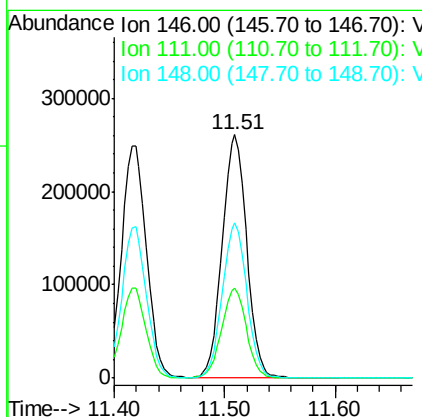
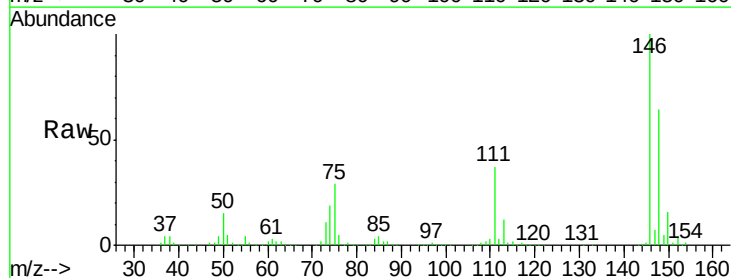
RT: 11.51 min Scan# 3396

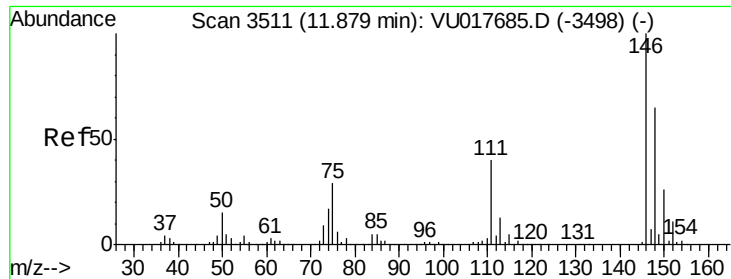
Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Tgt Ion:	146	Resp:	403296
Ion Ratio	Lower	Upper	
146	100		
111	37.0	26.4	49.0
148	63.7	44.9	83.3





#65

1,2-Dichlorobenzene

Concen: 49.485 ug/L

RT: 11.88 min Scan# 3511

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Instrument :

BNA_M

ClientSampleId :

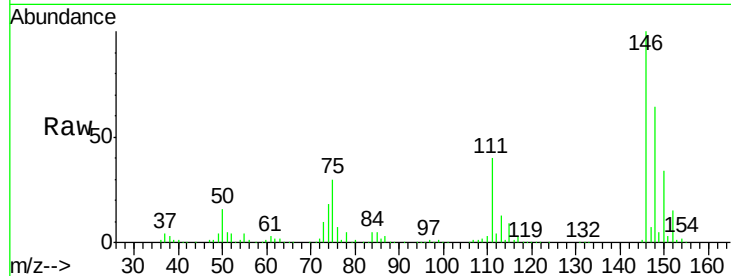
Tgt Ion:146 Resp: 394053

Ion Ratio Lower Upper

146 100

111 40.1 32.0 48.0

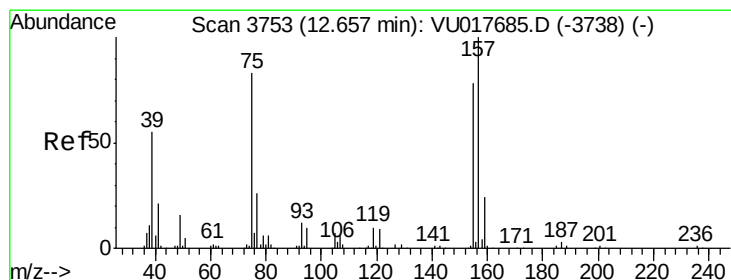
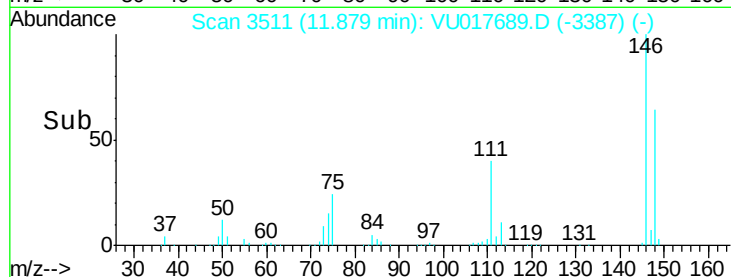
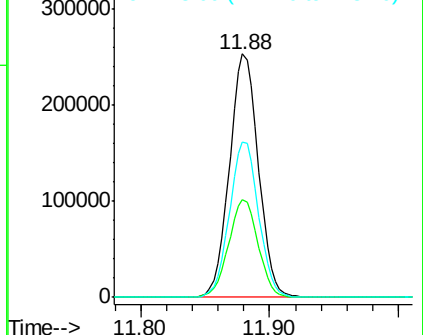
148 64.0 51.8 77.6



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: 51.015 ug/L

RT: 12.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

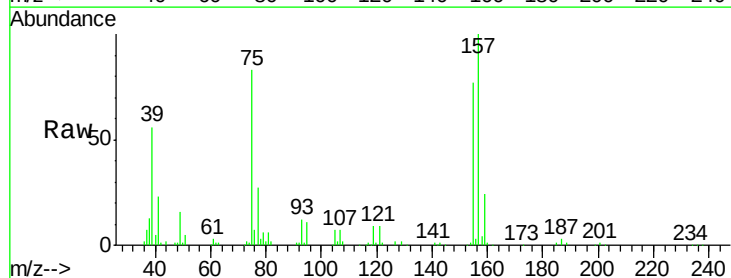
Tgt Ion: 75 Resp: 60989

Ion Ratio Lower Upper

75 100

155 92.8 75.8 113.6

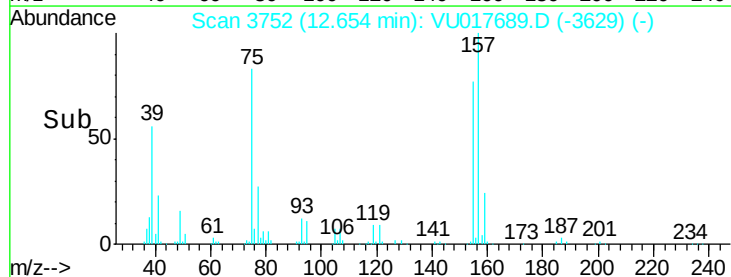
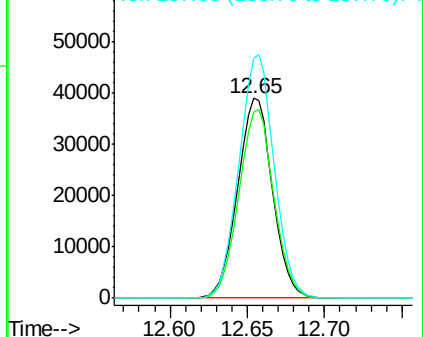
157 120.1 96.7 145.1

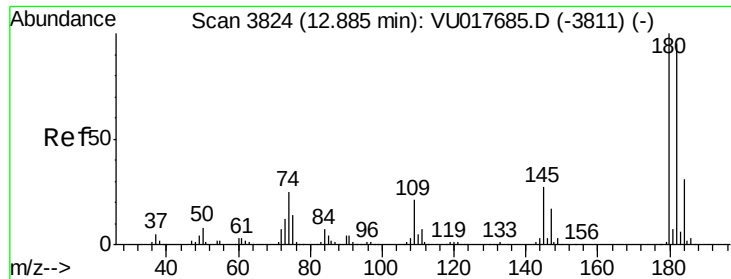


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

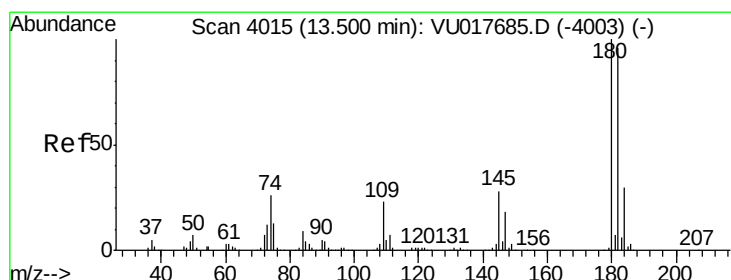
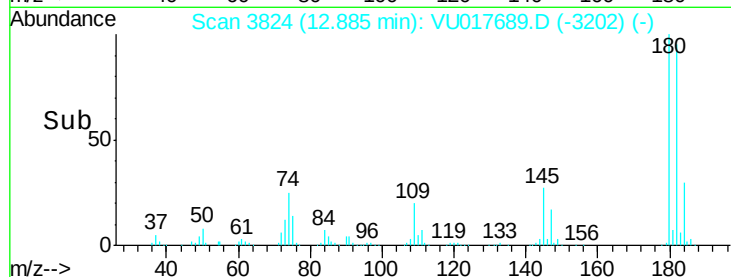
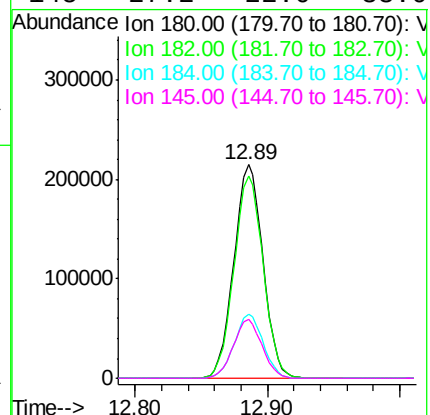
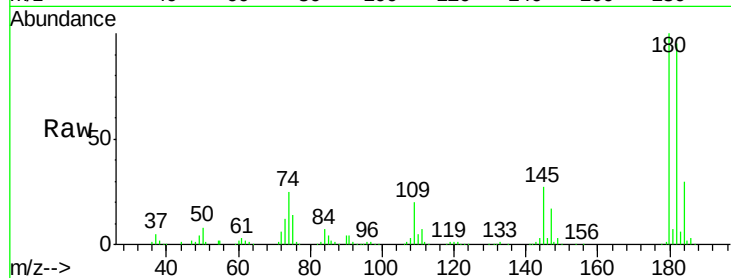




#67
 1,3,5-Trichlorobenzene
 Concen: 51.538 ug/L
 RT: 12.89 min Scan# 3824
 Delta R.T. -0.00 min
 Lab File: VU017689.D
 Acq: 24 Jun 2017 14:02

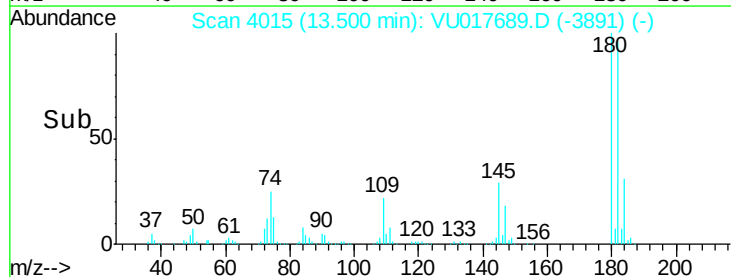
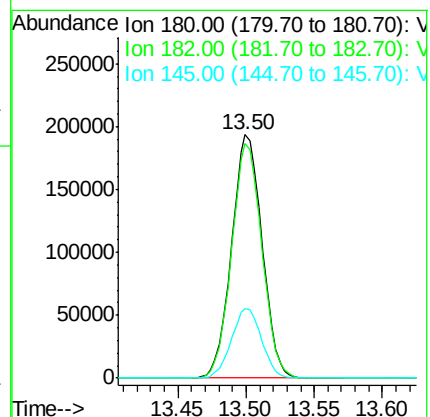
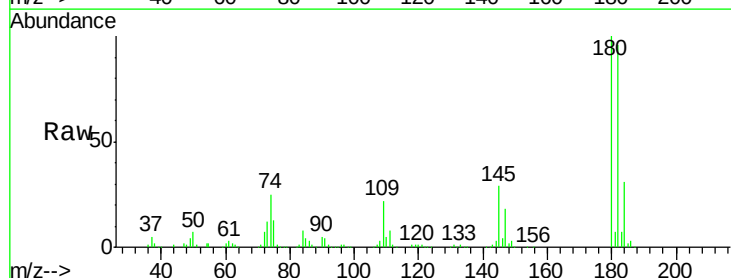
Instrument :
 BNA_M
 ClientSampleId :

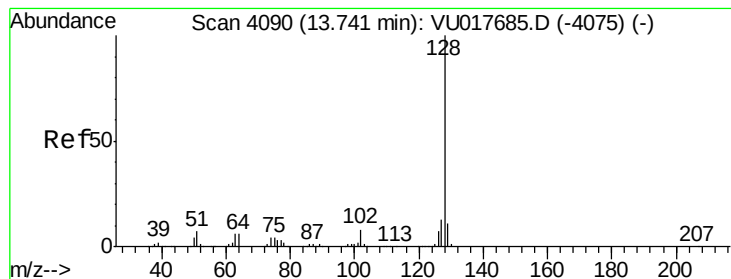
Tgt Ion:180 Resp: 326735
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.4 114.6
 184 29.7 24.7 37.1
 145 27.2 22.0 33.0



#68
 1,2,4-trichlorobenzene
 Concen: 51.869 ug/L
 RT: 13.50 min Scan# 4015
 Delta R.T. -0.00 min
 Lab File: VU017689.D
 Acq: 24 Jun 2017 14:02

Tgt Ion:180 Resp: 299485
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.6 114.8
 145 28.5 22.8 34.2





#69

Naphthalene

Concen: 53.622 ug/L

RT: 13.74 min Scan# 4090

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

Instrument :

BNA_M

ClientSampleId :

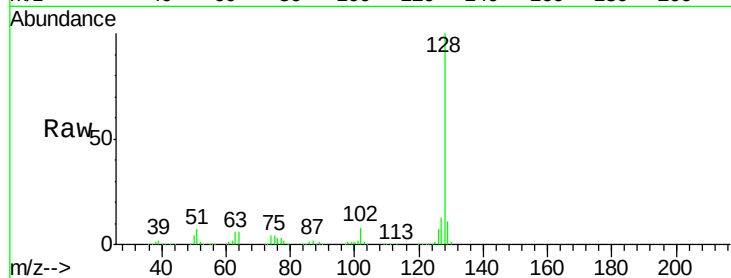
Tgt Ion:128 Resp: 918642

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

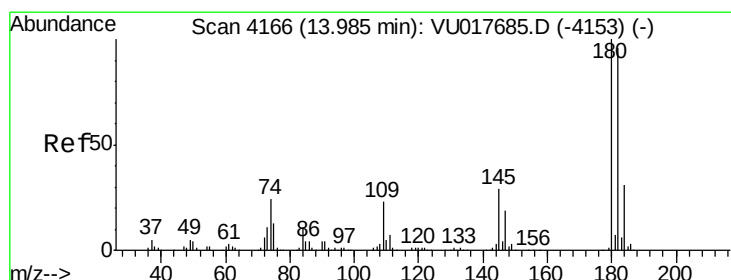
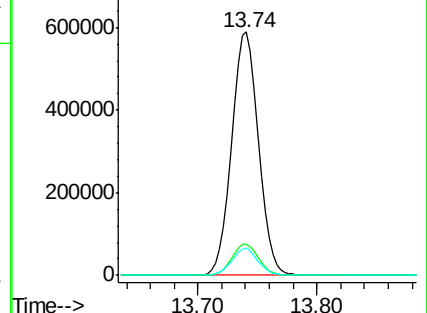
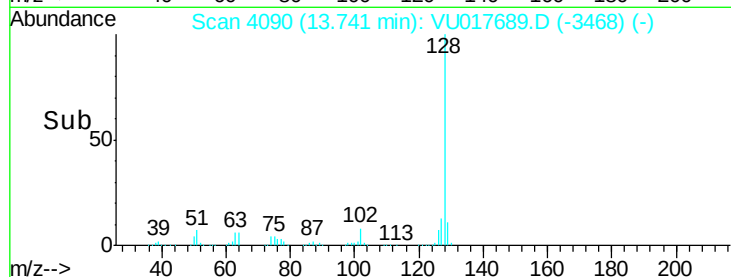
129 10.9 8.8 13.2



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: 51.847 ug/L

RT: 13.99 min Scan# 4166

Delta R.T. -0.00 min

Lab File: VU017689.D

Acq: 24 Jun 2017 14:02

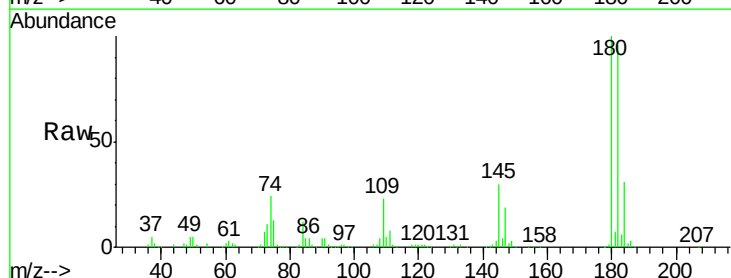
Tgt Ion:180 Resp: 299956

Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.6

145 29.5 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

