

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU062417\
 Data File : VU017685.D
 Acq On : 24 Jun 2017 12:20
 Operator : MD/SY
 Sample : VSTD05016
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VSTD05016

Quant Time: Jun 26 02:11:13 2017
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM062417WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 26 02:04:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	534453	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	490683	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	266295	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	178170	48.84	ug/L	0.00
7) Chloroethane-d5	1.68	69	133248	48.32	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	298899	47.46	ug/L	0.00
21) 2-Butanone-d5	4.20	46	209572	145.59	ug/L	0.00
24) Chloroform-d	4.66	84	331851	51.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.32	65	211832	52.61	ug/L	0.00
32) Benzene-d6	5.35	84	677259	52.56	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	213021	55.95	ug/L	0.00
41) Toluene-d8	7.57	98	639957	50.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	94475	55.07	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	211483	120.05	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	309410	52.80	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	270625	49.09	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	158270	43.390	ug/L 100
3) Chloromethane	1.34	50	189815	56.138	ug/L 100
5) Vinyl chloride	1.40	62	190546	51.946	ug/L 100
6) Bromomethane	1.63	94	87190	55.593	ug/L 100
8) Chloroethane	1.70	64	114328	50.890	ug/L 100
9) Trichlorofluoromethane	1.89	101	244765	43.830	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	134142	42.734	ug/L 100
12) 1,1-Dichloroethene	2.28	96	138855	44.560	ug/L 100
13) Acetone	2.33	43	184017	76.333	ug/L 100
14) Carbon disulfide	2.48	76	348694	51.414	ug/L 100
15) Methyl Acetate	2.62	43	197176	60.900	ug/L 100
16) Methylene chloride	2.70	84	167036	45.620	ug/L 100
17) trans-1,2-Dichloroethene	2.98	96	150127	45.969	ug/L 100
18) Methyl tert-butyl Ether	3.01	73	476612	47.051	ug/L 100
19) 1,1-Dichloroethane	3.45	63	302044	53.174	ug/L 100
20) cis-1,2-Dichloroethene	4.23	96	190627	50.216	ug/L 100
22) 2-Butanone	4.29	43	305911	118.009	ug/L 100
23) Bromochloromethane	4.55	128	97382	48.555	ug/L 100
25) Chloroform	4.68	83	315919	51.006	ug/L 100
27) 1,2-Dichloroethane	5.41	62	251386	54.228	ug/L 100
29) Cyclohexane	5.00	56	266837	62.270	ug/L 100
30) 1,1,1-Trichloroethane	4.92	97	252276	52.339	ug/L 100
31) Carbon tetrachloride	5.14	117	217100	53.395	ug/L 100
33) Benzene	5.39	78	707907	54.857	ug/L 100
34) Trichloroethene	6.19	95	186808	51.845	ug/L 100
35) Methylcyclohexane	6.42	83	280110	55.171	ug/L 100
37) 1,2-Dichloropropane	6.44	63	185790	57.571	ug/L 100
38) Bromodichloromethane	6.76	83	222742	54.707	ug/L 100
39) cis-1,3-Dichloropropene	7.27	75	277911	57.065	ug/L 100
40) 4-Methyl-2-pentanone	7.47	43	544452	133.945	ug/L 100

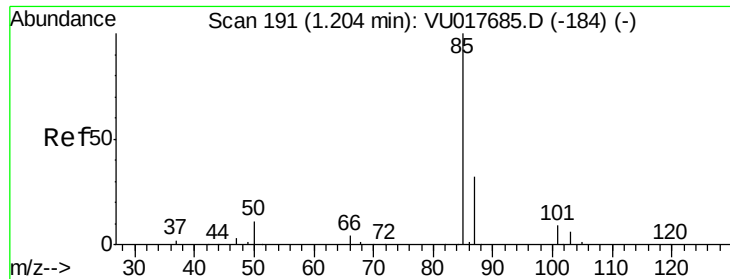
Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU062417\
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Quant Time: Jun 26 02:11:13 2017
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM062417WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 26 02:04:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	768293	52.670	ug/L	100
44) trans-1,3-Dichloropropene	7.89	75	249474	57.224	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	180323	50.911	ug/L	100
46) Tetrachloroethene	8.23	164	158418	48.596	ug/L	100
48) 2-Hexanone	8.37	43	429972	126.546	ug/L	100
49) Dibromochloromethane	8.48	129	183266	51.427	ug/L	100
50) 1,2-Dibromoethane	8.59	107	189298	49.750	ug/L	100
51) Chlorobenzene	9.12	112	502685	50.297	ug/L	100
52) Ethylbenzene	9.25	91	850642	52.326	ug/L	100
53) m,p-Xylene	9.38	106	321484	51.057	ug/L	100
54) o-xylene	9.78	106	318102	51.202	ug/L	100
55) Styrene	9.80	104	564399	51.947	ug/L	100
56) Isopropylbenzene	10.17	105	833193	51.300	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	303898	52.727	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	237287	53.657	ug/L	100
61) Bromoform	9.96	173	135855	52.655	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	418482	50.156	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	424906	49.307	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	420005	49.771	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	64403	58.212	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	330957	48.206	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	303075	48.052	ug/L	100
69) Naphthalene	13.74	128	931144	50.212	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	305314	48.513	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 43.390 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

Instrument :

BNA_M

ClientSampleId :

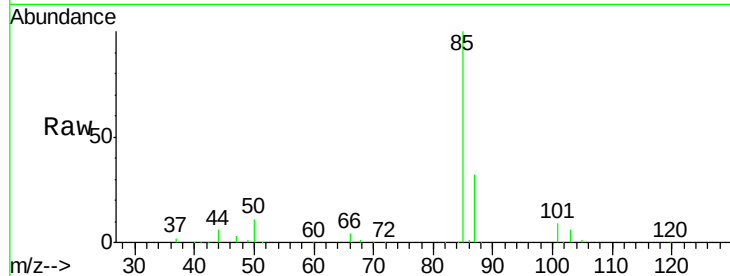
VSTD05016

Tgt Ion: 85 Resp: 158270

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU017685.D (-184) (-)

Ion 87.00 (86.70 to 87.70): VU017685.D (-184) (-)

1.20

100000

80000

60000

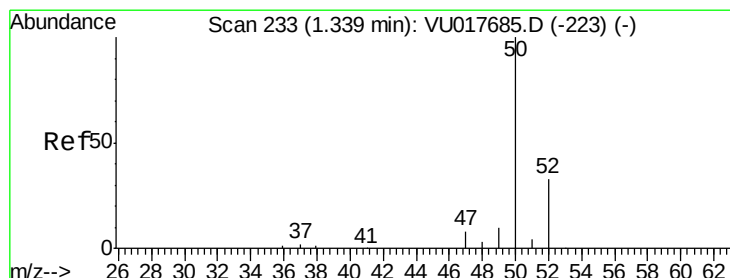
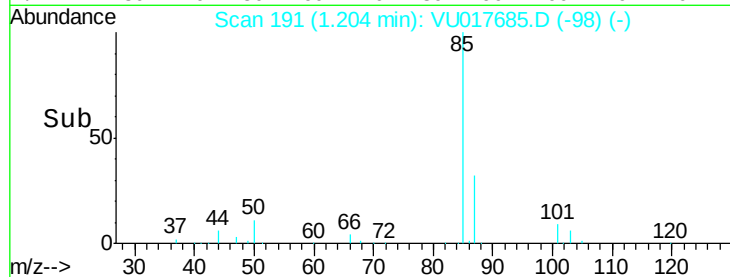
40000

20000

0

1.15 1.20 1.25 1.30 1.35

Time-->



#3

Chloromethane

Concen: 56.138 ug/L

RT: 1.34 min Scan# 233

Delta R.T. 0.00 min

Lab File: VU017685.D

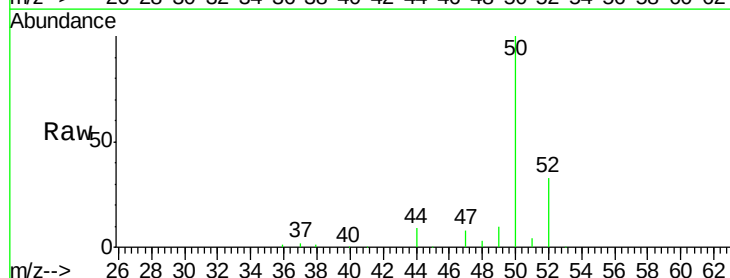
Acq: 24 Jun 2017 12:20

Tgt Ion: 50 Resp: 189815

Ion Ratio Lower Upper

50 100

52 32.7 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU017685.D (-223) (-)

Ion 52.00 (51.70 to 52.70): VU017685.D (-223) (-)

1.34

100000

80000

60000

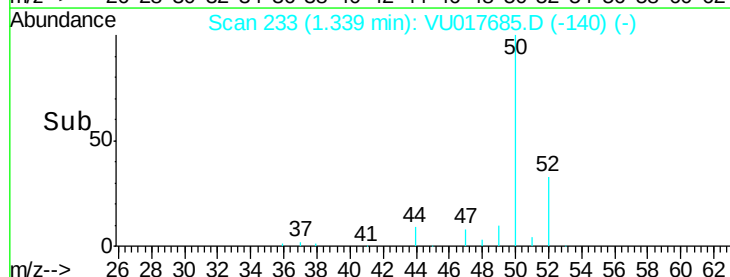
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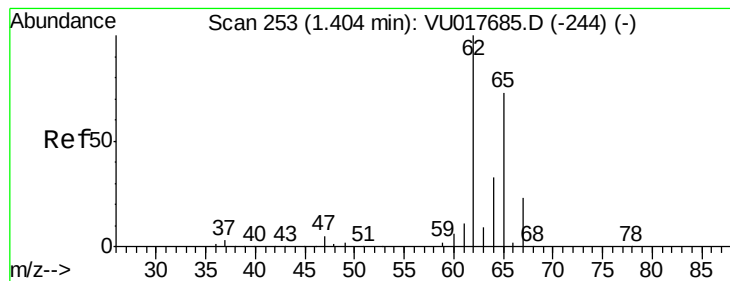
20000

0

1.25 1.30 1.35 1.40 1.45

Time-->





#5

Vinyl chloride

Concen: 51.946 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

Instrument :

BNA_M

ClientSampleId :

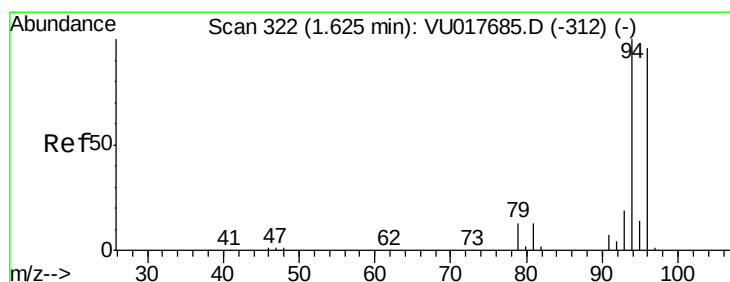
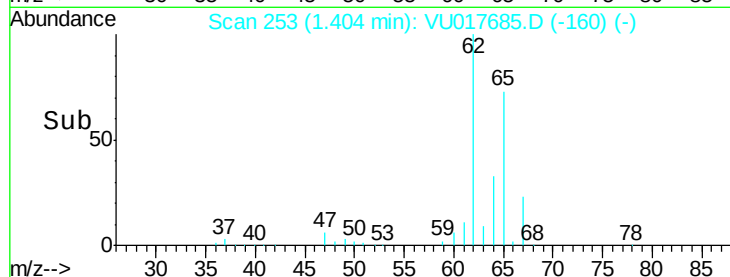
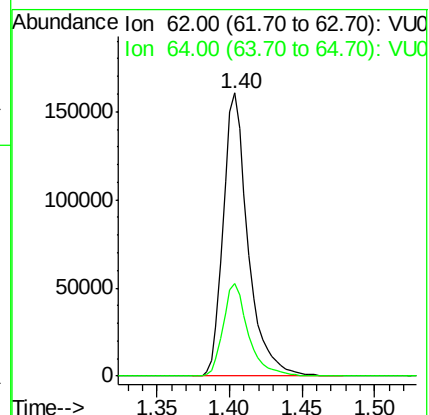
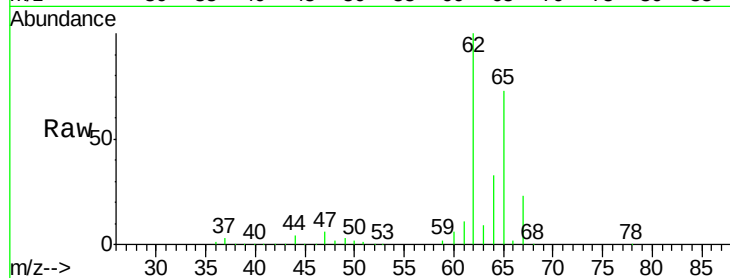
VSTD05016

Tgt Ion: 62 Resp: 190546

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.6



#6

Bromomethane

Concen: 55.593 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU017685.D

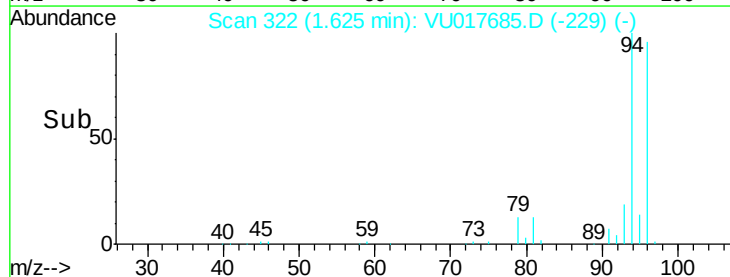
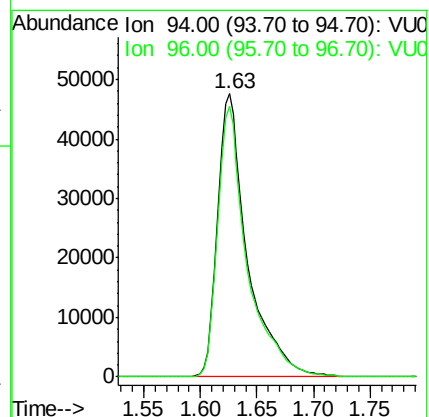
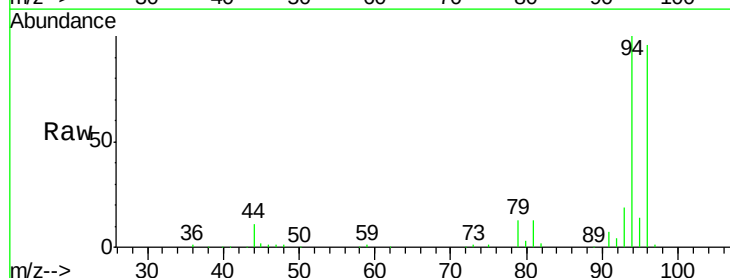
Acq: 24 Jun 2017 12:20

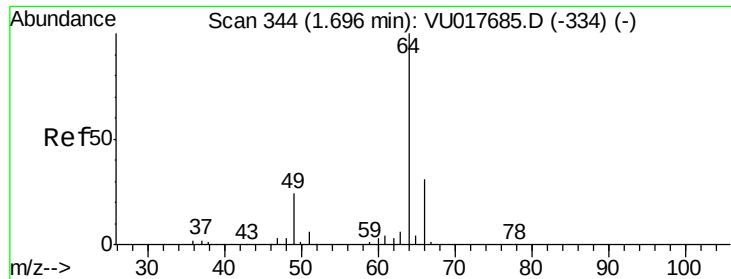
Tgt Ion: 94 Resp: 87190

Ion Ratio Lower Upper

94 100

96 95.5 66.8 124.2

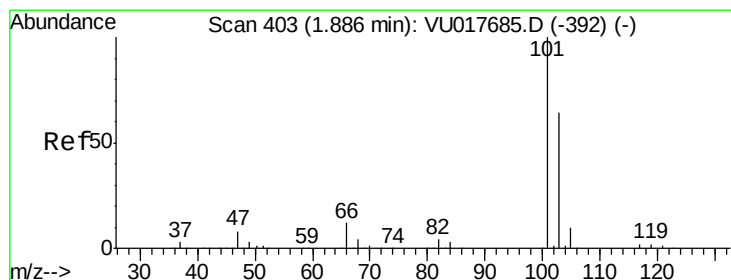
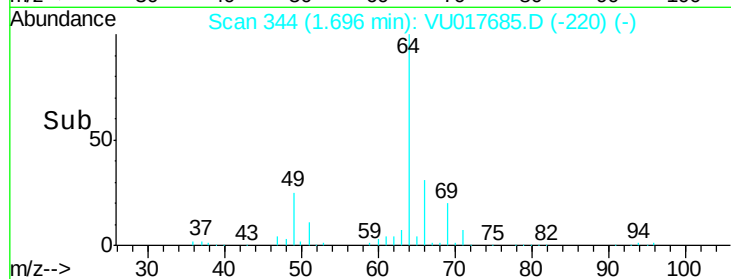
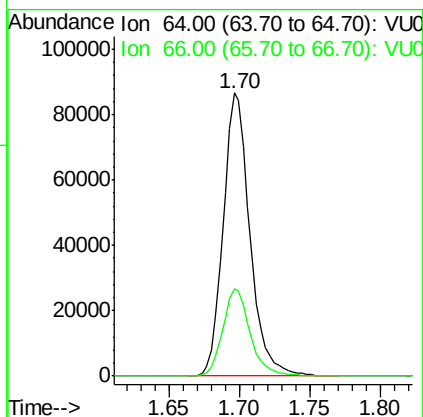
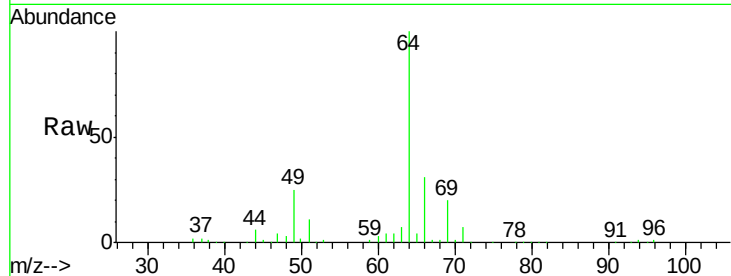




#8
Chloroethane
Concen: 50.890 ug/L
RT: 1.70 min Scan# 344
Delta R.T. 0.00 min
Lab File: VU017685.D
Acq: 24 Jun 2017 12:20

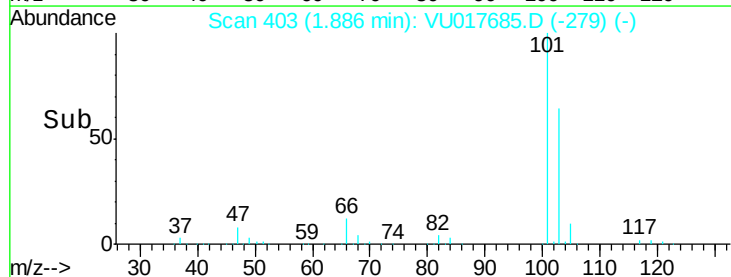
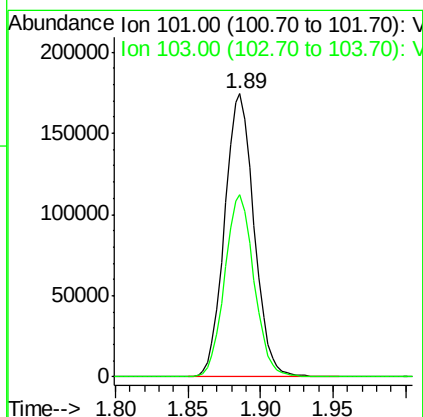
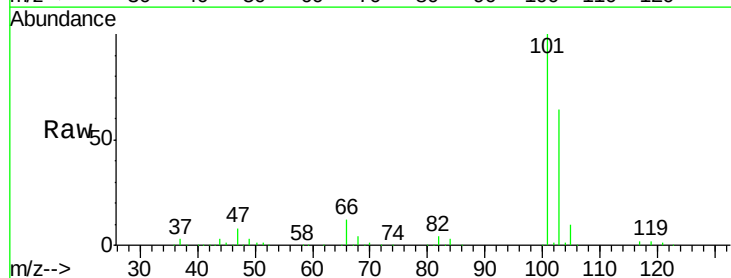
Instrument :
BNA_M
ClientSampleId :
VSTD05016

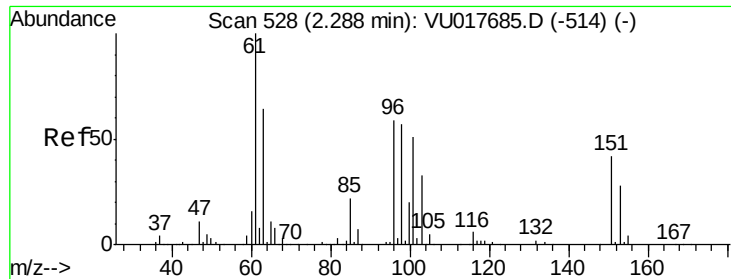
Tgt Ion: 64 Resp: 114328
Ion Ratio Lower Upper
64 100
66 31.0 21.7 40.3



#9
Trichlorofluoromethane
Concen: 43.830 ug/L
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU017685.D
Acq: 24 Jun 2017 12:20

Tgt Ion: 101 Resp: 244765
Ion Ratio Lower Upper
101 100
103 64.1 51.3 76.9





#10

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

Concen: 42.734 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

Instrument :

BNA_M

ClientSampleId :

VSTD05016

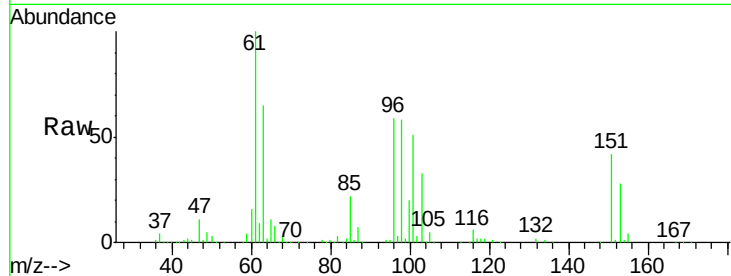
Tgt Ion: 101 Resp: 134142

Ion Ratio Lower Upper

101 100

85 42.1 33.7 50.5

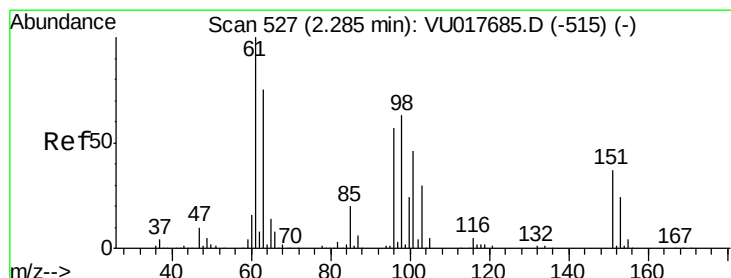
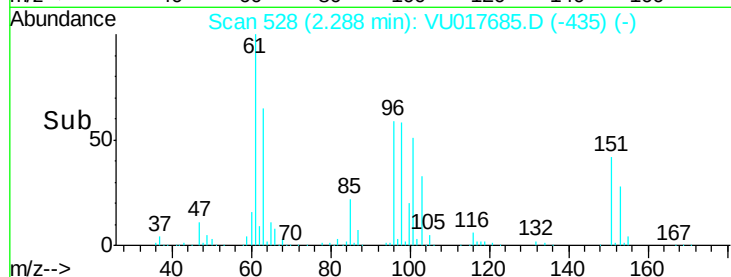
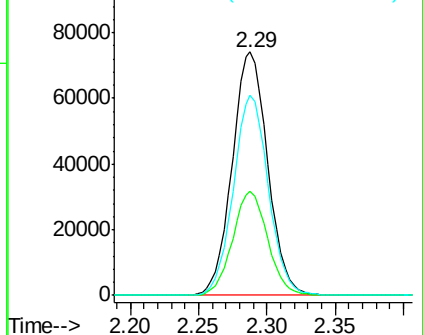
151 81.0 64.8 97.2



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: 44.560 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

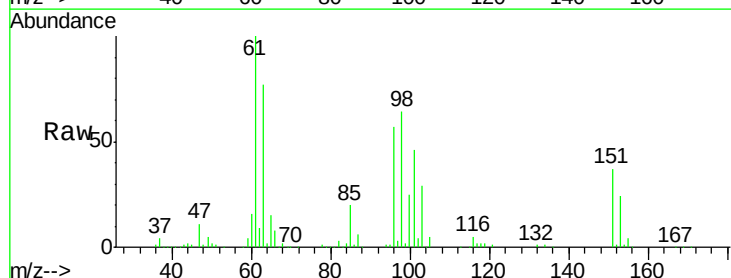
Tgt Ion: 96 Resp: 138855

Ion Ratio Lower Upper

96 100

61 175.0 122.5 227.5

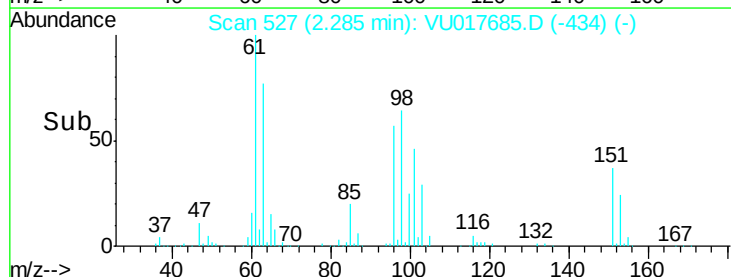
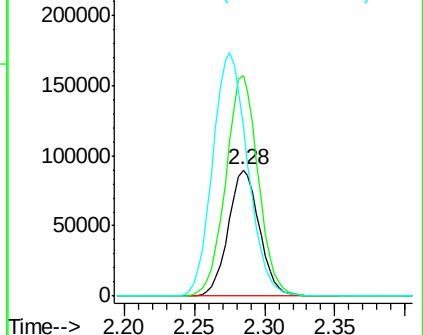
63 134.4 94.1 174.7

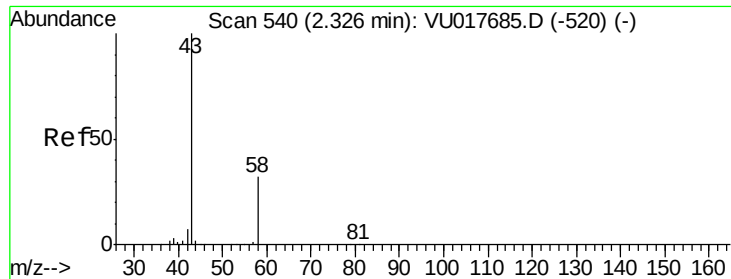


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 76.333 ug/L

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

Instrument :

BNA_M

ClientSampleId :

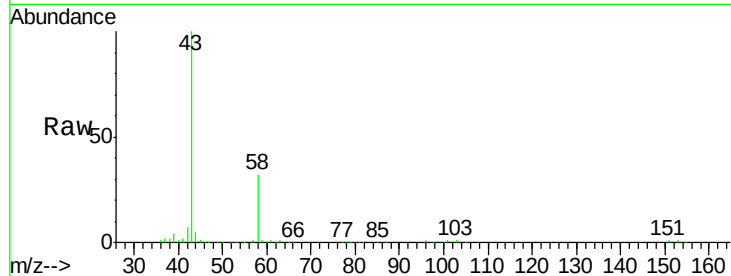
VSTD05016

Tgt Ion: 43 Resp: 184017

Ion Ratio Lower Upper

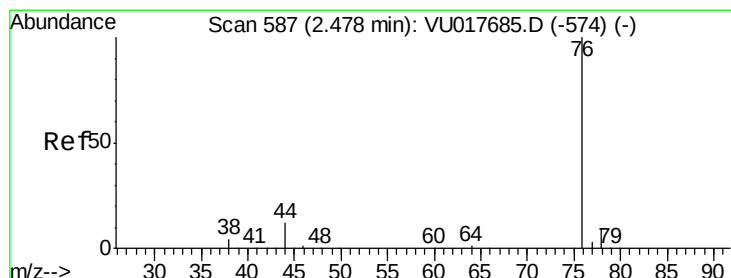
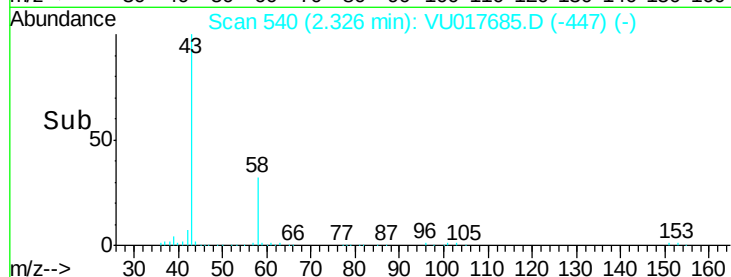
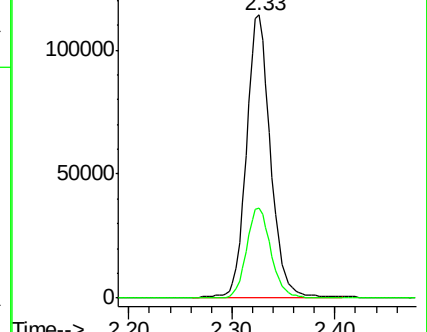
43 100

58 32.1 0.0 64.2



Abundance Ion 43.00 (42.70 to 43.70): VU017685.D (-520) (-)

Ion 58.00 (57.70 to 58.70): VU017685.D (-520) (-)



#14

Carbon disulfide

Concen: 51.414 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU017685.D

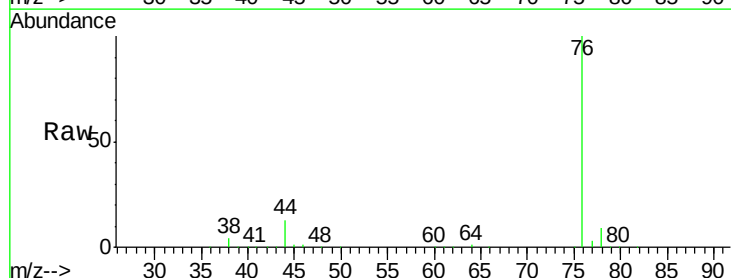
Acq: 24 Jun 2017 12:20

Tgt Ion: 76 Resp: 348694

Ion Ratio Lower Upper

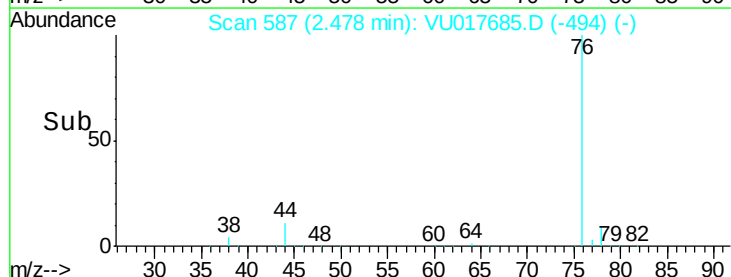
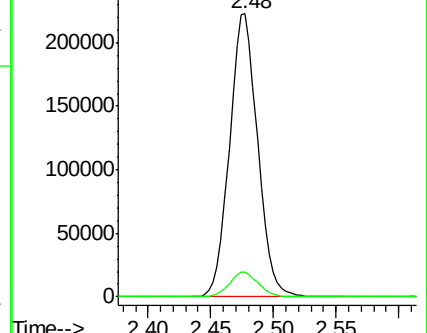
76 100

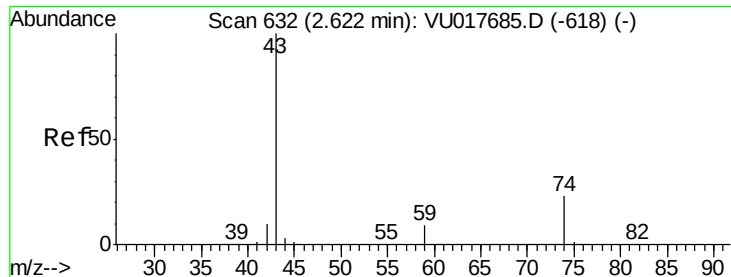
78 8.8 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU017685.D (-574) (-)

Ion 78.00 (77.70 to 78.70): VU017685.D (-574) (-)

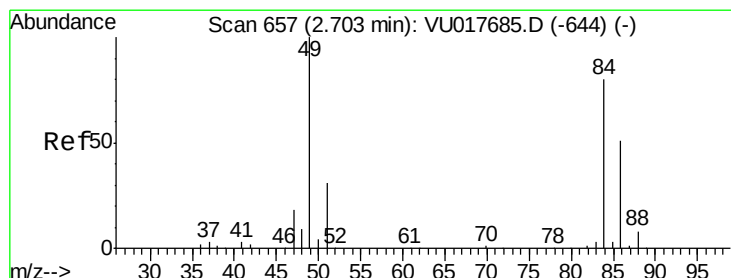
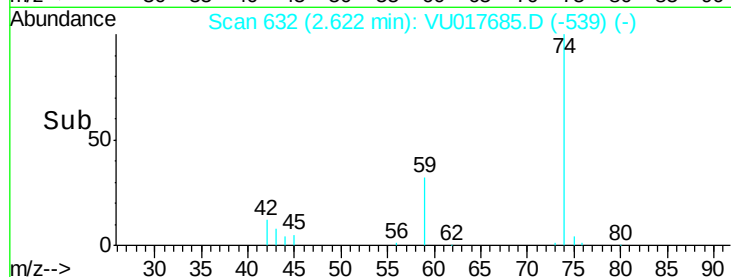
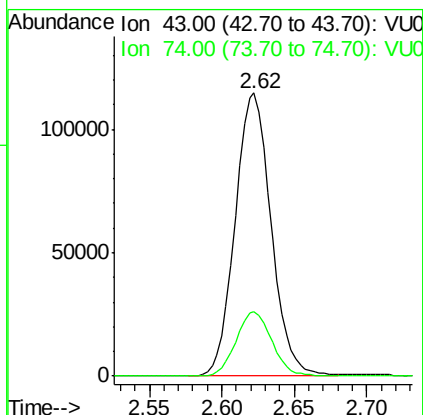
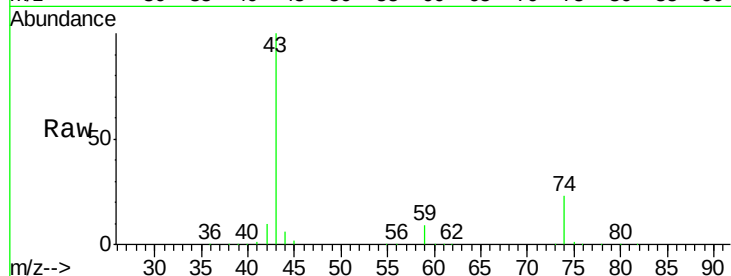




#15
Methyl Acetate
Concen: 60.900 ug/L
RT: 2.62 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU017685.D
Acq: 24 Jun 2017 12:20

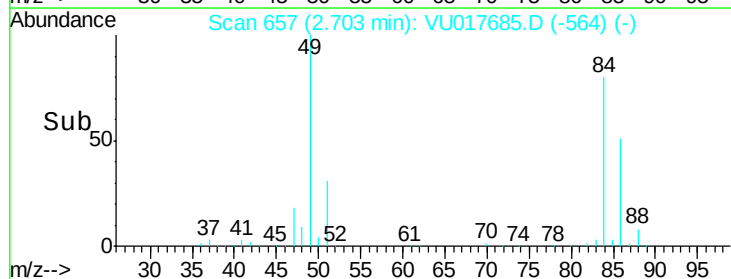
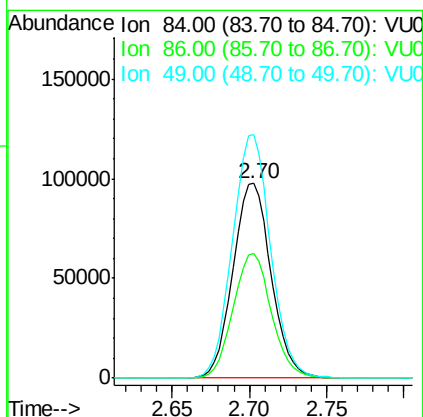
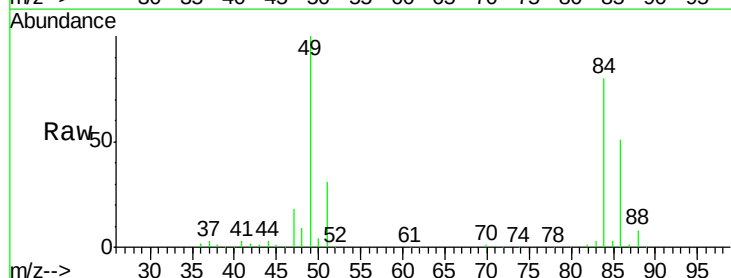
Instrument :
BNA_M
ClientSampled :
VSTD05016

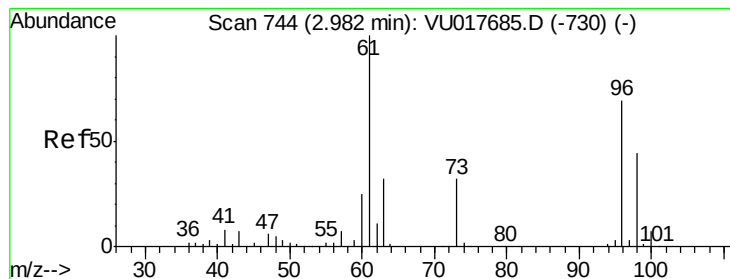
Tgt Ion: 43 Resp: 197176
Ion Ratio Lower Upper
43 100
74 22.8 18.2 27.4



#16
Methylene chloride
Concen: 45.620 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU017685.D
Acq: 24 Jun 2017 12:20

Tgt Ion: 84 Resp: 167036
Ion Ratio Lower Upper
84 100
86 64.3 45.0 83.6
49 125.1 87.6 162.6





#17

trans-1,2-Dichloroethene

Concen: 45.969 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

Instrument :

BNA_M

ClientSampleId :

VSTD05016

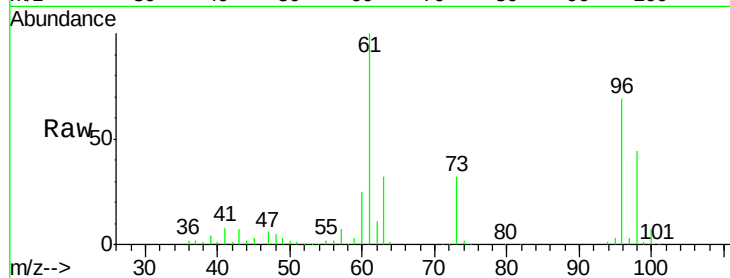
Tgt Ion: 96 Resp: 150127

Ion Ratio Lower Upper

96 100

61 145.7 102.0 189.4

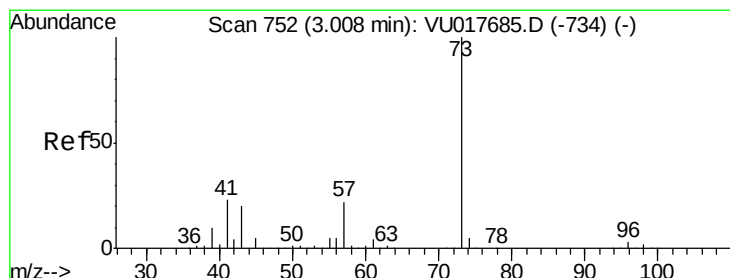
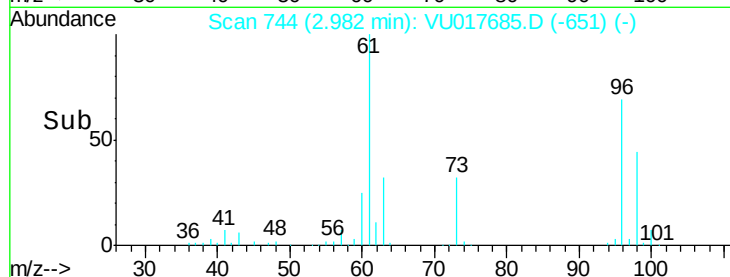
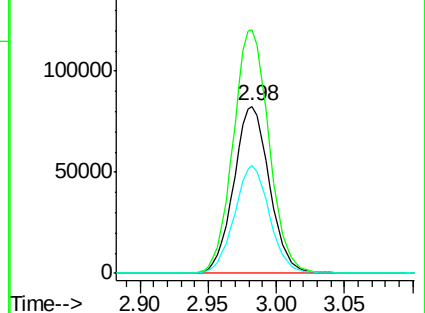
98 64.3 45.0 83.6



Abundance Ion 96.00 (95.70 to 96.70): VU017685.D (-730) (-)

Ion 61.00 (60.70 to 61.70): VU017685.D (-730) (-)

Ion 98.00 (97.70 to 98.70): VU017685.D (-730) (-)



#18

Methyl tert-butyl Ether

Concen: 47.051 ug/L

RT: 3.01 min Scan# 752

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

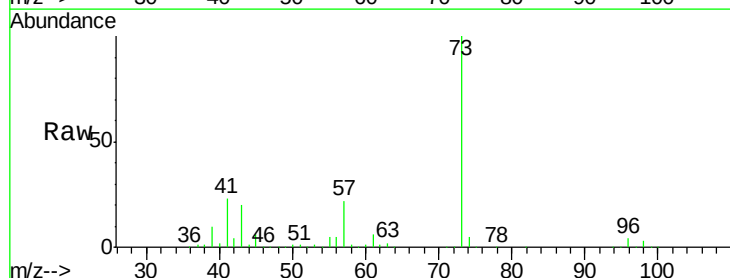
Tgt Ion: 73 Resp: 476612

Ion Ratio Lower Upper

73 100

43 19.7 15.8 23.6

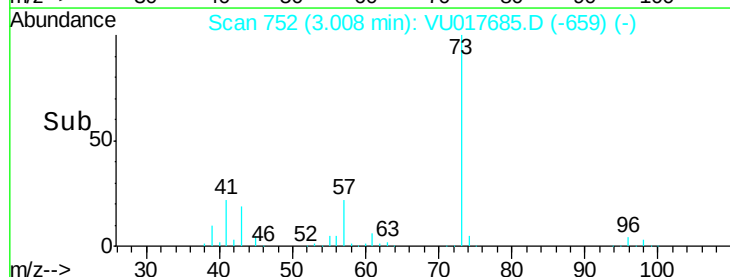
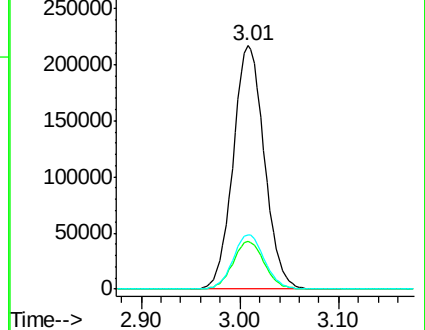
57 22.6 18.1 27.1

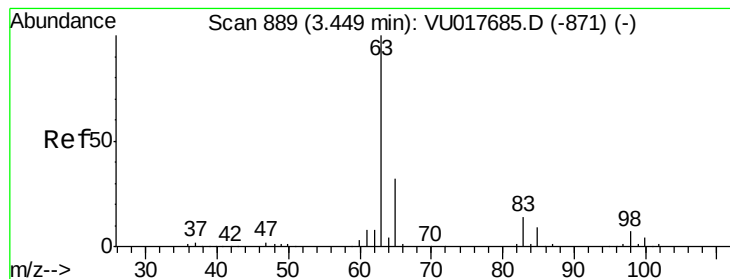


Abundance Ion 73.00 (72.70 to 73.70): VU017685.D (-734) (-)

Ion 43.00 (42.70 to 43.70): VU017685.D (-734) (-)

Ion 57.00 (56.70 to 57.70): VU017685.D (-734) (-)





#19

1,1-Dichloroethane

Concen: 53.174 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

Instrument :

BNA_M

ClientSampleId :

VSTD05016

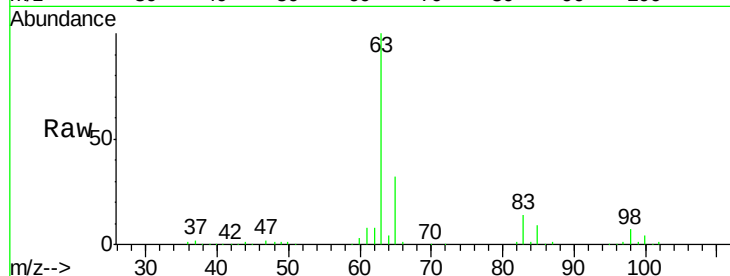
Tgt Ion: 63 Resp: 302044

Ion Ratio Lower Upper

63 100

65 31.7 22.2 41.2

83 13.7 9.6 17.8

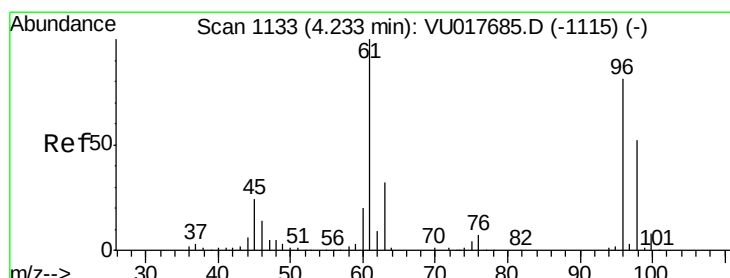
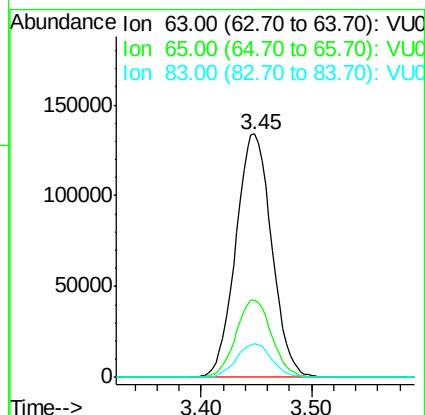
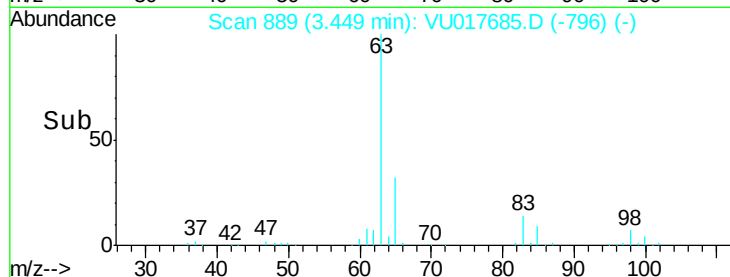


Abundance Ion 63.00 (62.70 to 63.70): VU017685.D (-871) (-)

Ion 65.00 (64.70 to 65.70): VU017685.D (-871) (-)

Ion 83.00 (82.70 to 83.70): VU017685.D (-871) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 50.216 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

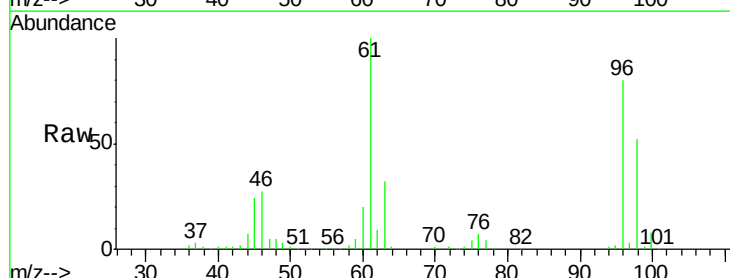
Tgt Ion: 96 Resp: 190627

Ion Ratio Lower Upper

96 100

61 124.4 87.1 161.7

68 0.0 0.0 0.0

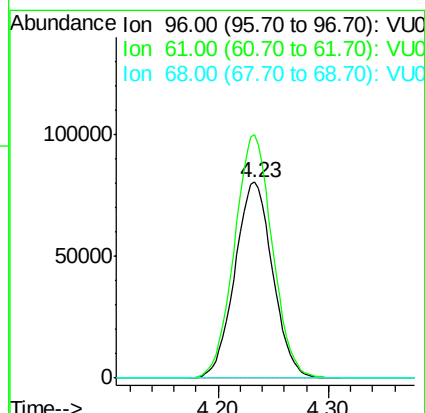
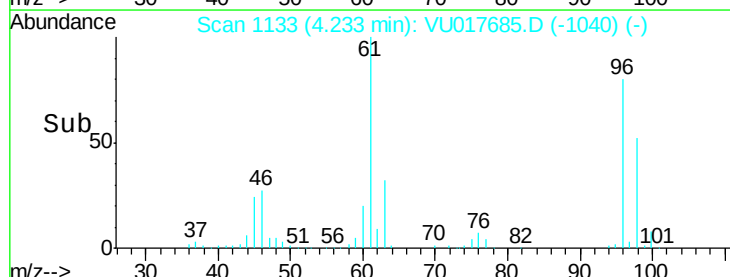


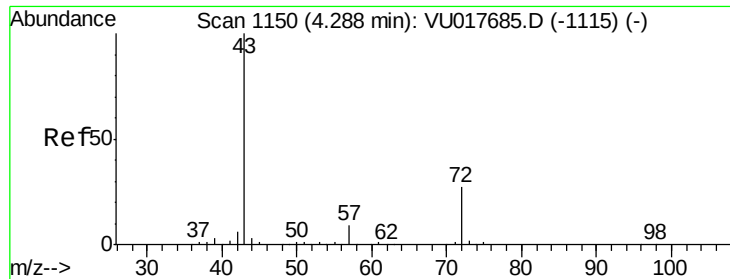
Abundance Ion 96.00 (95.70 to 96.70): VU017685.D (-1115) (-)

Ion 61.00 (60.70 to 61.70): VU017685.D (-1115) (-)

Ion 68.00 (67.70 to 68.70): VU017685.D (-1115) (-)

Time-->





#22

2-Butanone

Concen: 118.009 ug/L

RT: 4.29 min Scan# 1150

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

Instrument :

BNA_M

ClientSampled :

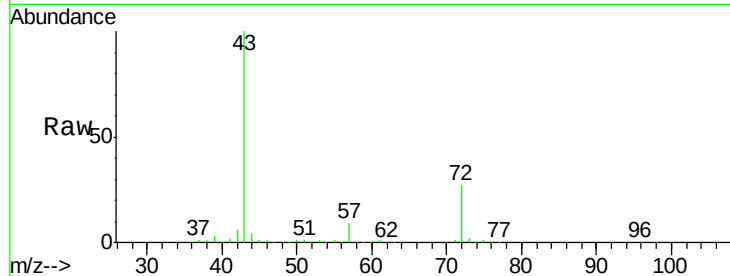
VSTD05016

Tgt Ion: 43 Resp: 305911

Ion Ratio Lower Upper

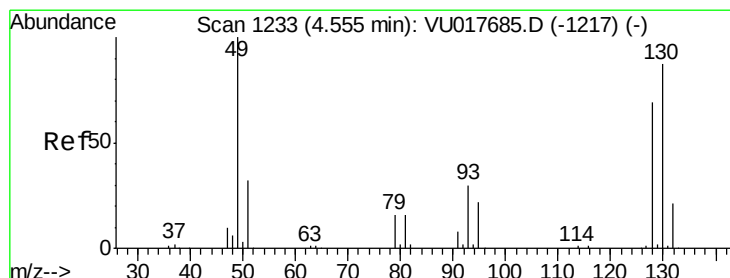
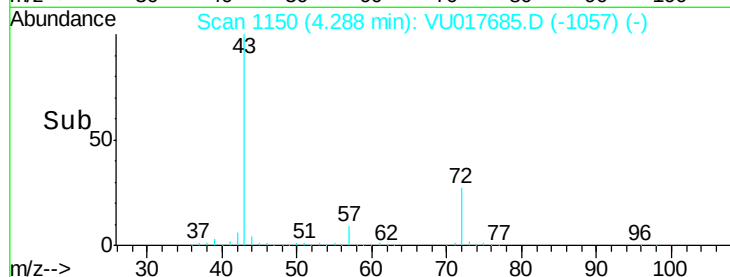
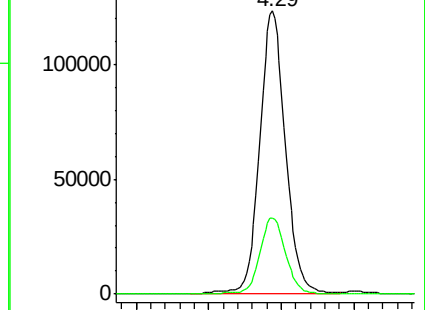
43 100

72 26.7 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU017685.D (-1115) (-)

Ion 72.00 (71.70 to 72.70): VU017685.D (-1115) (-)



#23

Bromochloromethane

Concen: 48.555 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

Tgt Ion: 128 Resp: 97382

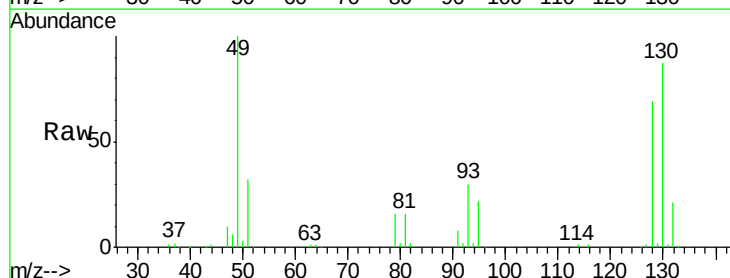
Ion Ratio Lower Upper

128 100

49 145.2 101.6 188.8

130 125.8 88.1 163.5

51 46.0 36.8 55.2

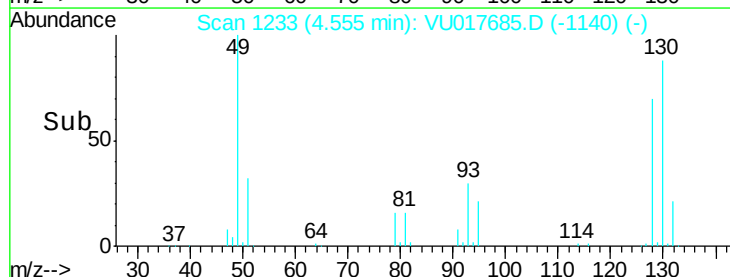
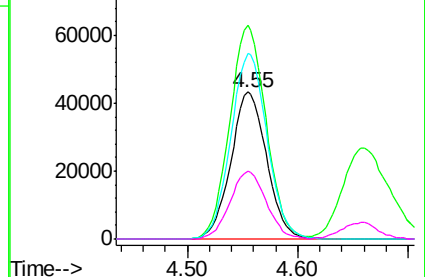


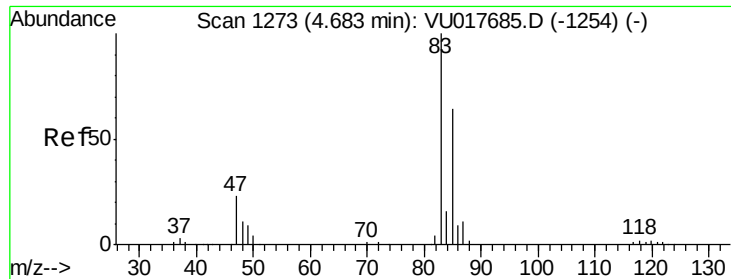
Abundance Ion 128.00 (127.70 to 128.70): VU017685.D (-1217) (-)

Ion 49.00 (48.70 to 49.70): VU017685.D (-1217) (-)

Ion 130.00 (129.70 to 130.70): VU017685.D (-1217) (-)

Ion 51.00 (50.70 to 51.70): VU017685.D (-1217) (-)

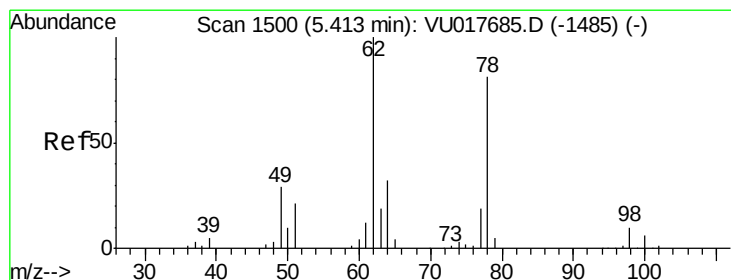
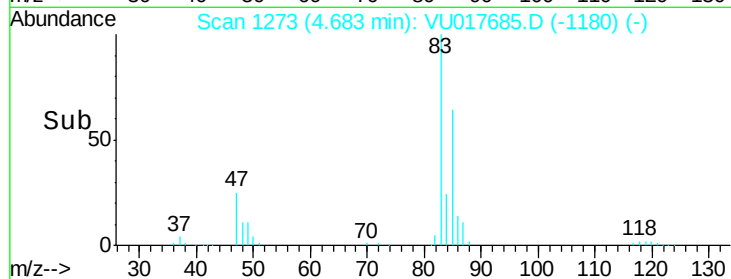
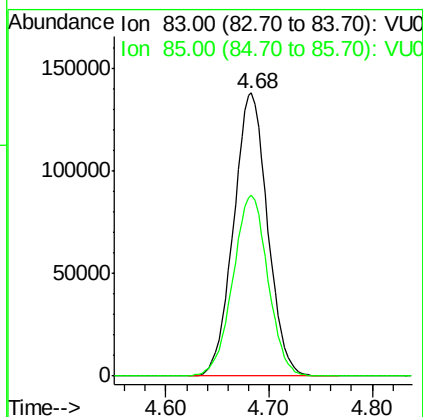
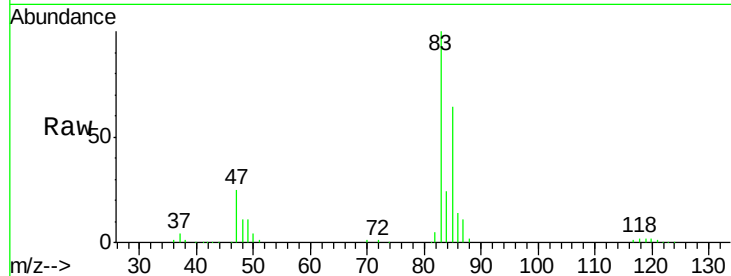




#25
Chloroform
Concen: 51.006 ug/L
RT: 4.68 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU017685.D
Acq: 24 Jun 2017 12:20

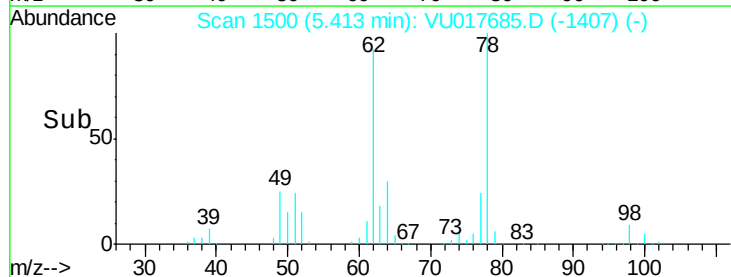
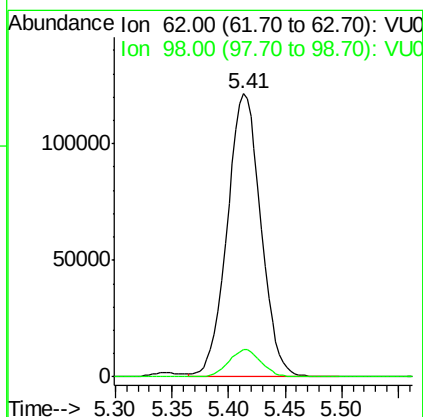
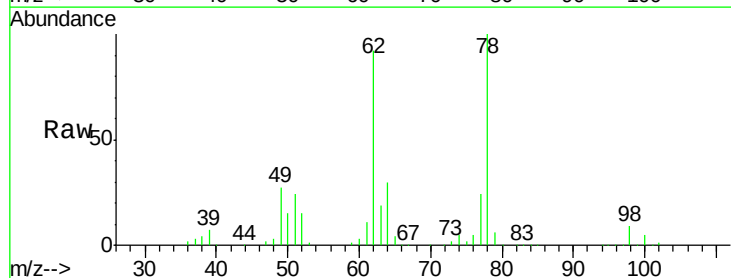
Instrument :
BNA_M
ClientSampleId :
VSTD05016

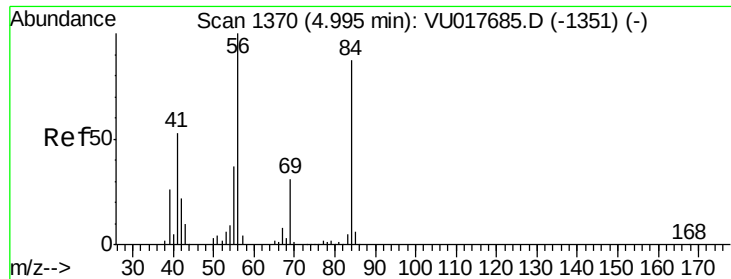
Tgt Ion: 83 Resp: 315919
Ion Ratio Lower Upper
83 100
85 64.1 44.9 83.3



#27
1,2-Dichloroethane
Concen: 54.228 ug/L
RT: 5.41 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VU017685.D
Acq: 24 Jun 2017 12:20

Tgt Ion: 62 Resp: 251386
Ion Ratio Lower Upper
62 100
98 9.6 7.7 11.5

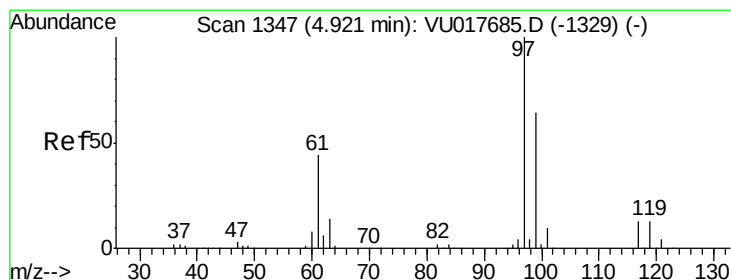
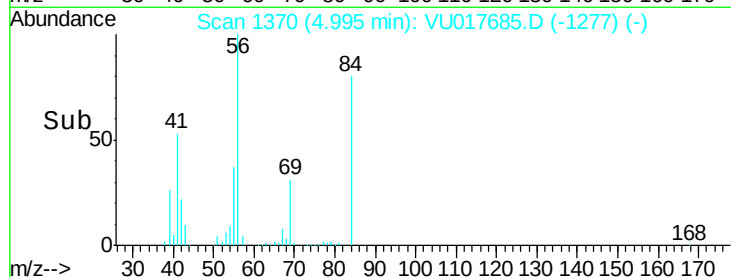
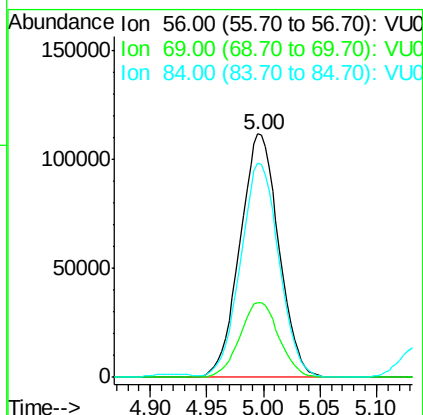
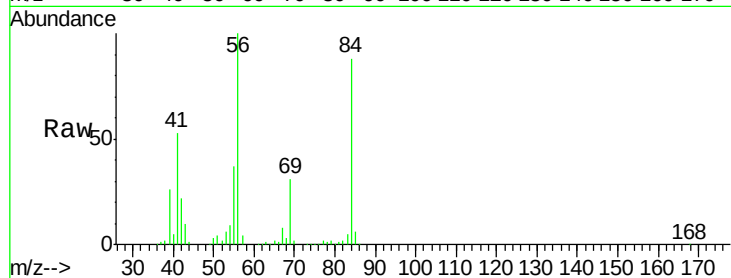




#29
Cyclohexane
Concen: 62.270 ug/L
RT: 5.00 min Scan# 1370
Delta R.T. 0.00 min
Lab File: VU017685.D
Acq: 24 Jun 2017 12:20

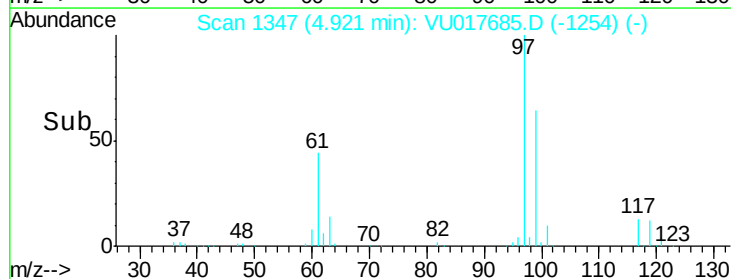
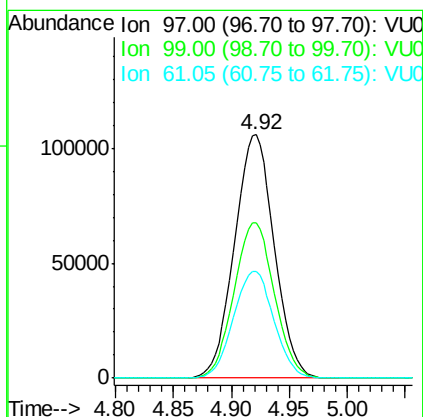
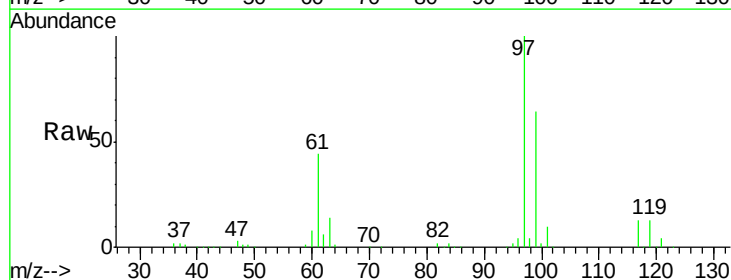
Instrument :
BNA_M
ClientSampled :
VSTD05016

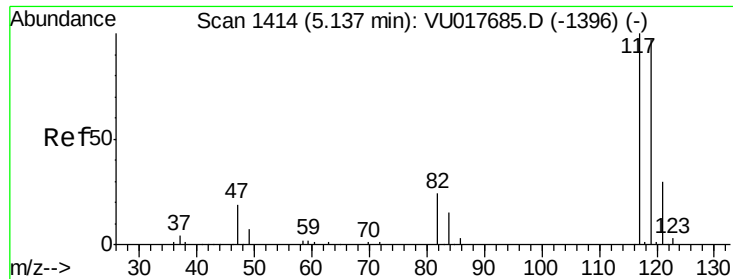
Tgt Ion: 56 Resp: 266837
Ion Ratio Lower Upper
56 100
69 31.0 24.8 37.2
84 87.6 70.1 105.1



#30
1,1,1-Trichloroethane
Concen: 52.339 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU017685.D
Acq: 24 Jun 2017 12:20

Tgt Ion: 97 Resp: 252276
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.6
61 44.8 35.8 53.8





#31

Carbon tetrachloride

Concen: 53.395 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

Instrument :

BNA_M

ClientSampleId :

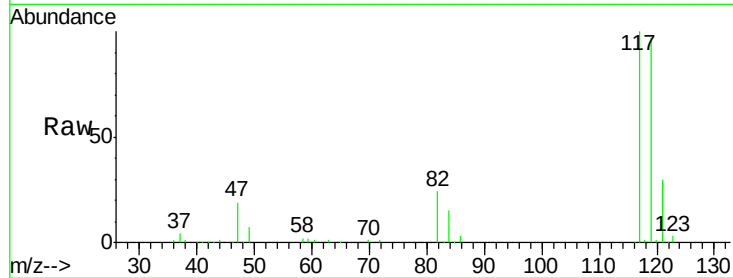
VSTD05016

Tgt Ion:117 Resp: 217100

Ion Ratio Lower Upper

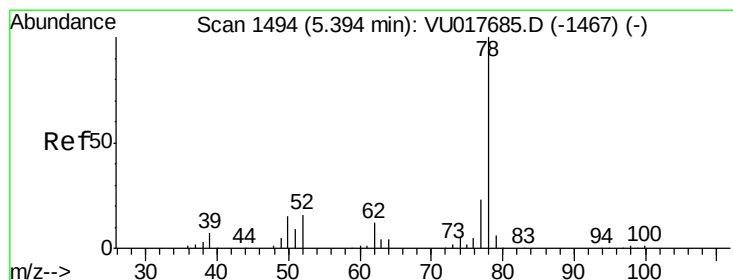
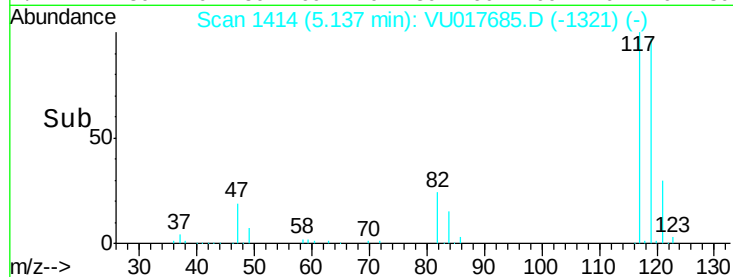
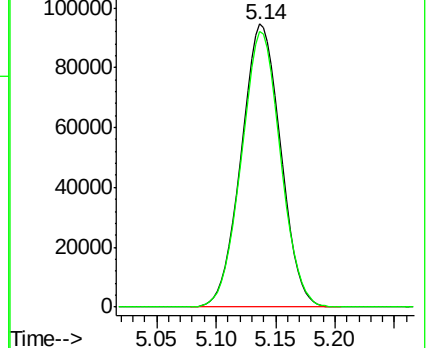
117 100

119 96.5 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: 54.857 ug/L

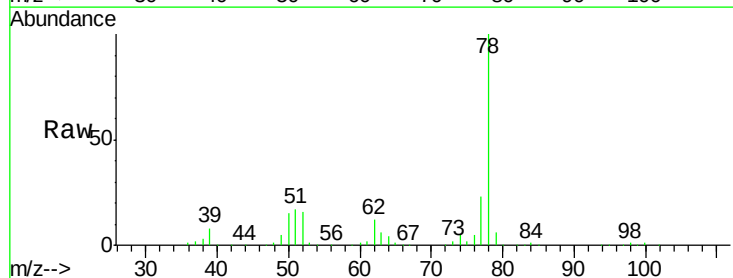
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

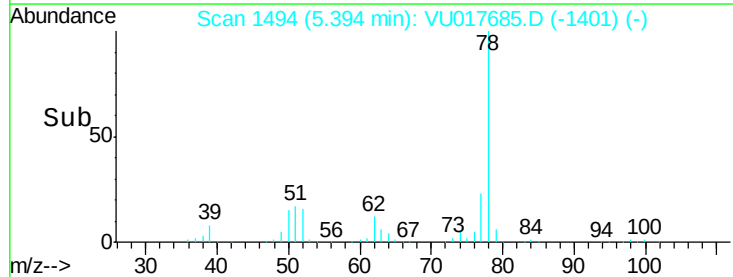
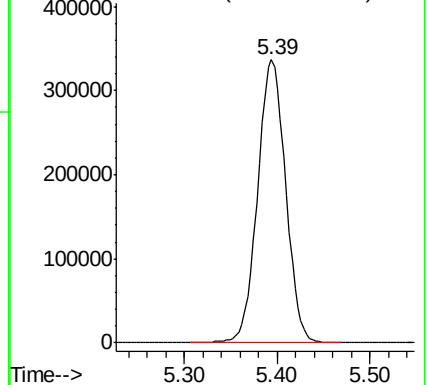
Lab File: VU017685.D

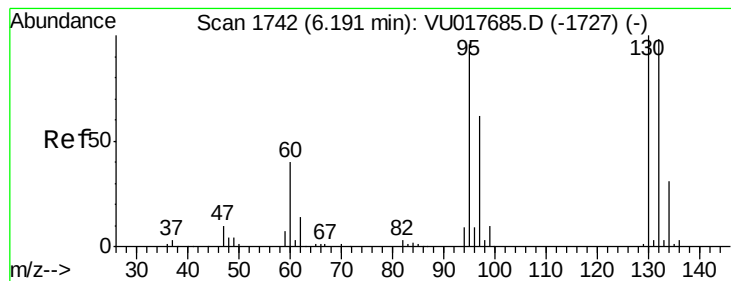
Acq: 24 Jun 2017 12:20

Tgt Ion: 78 Resp: 707907



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.845 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

Instrument :

BNA_M

ClientSampleId :

VSTD05016

Tgt Ion: 95 Resp: 186808

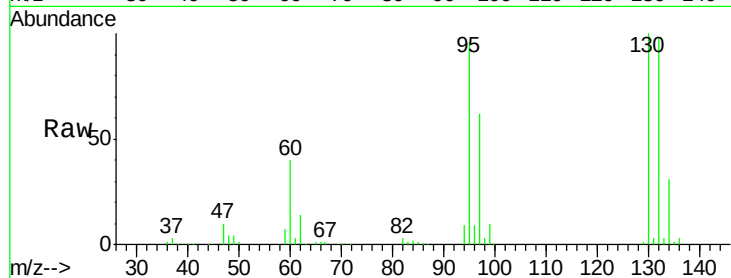
Ion Ratio Lower Upper

95 100

97 65.4 45.8 85.0

132 102.2 71.5 132.9

130 104.6 73.2 136.0

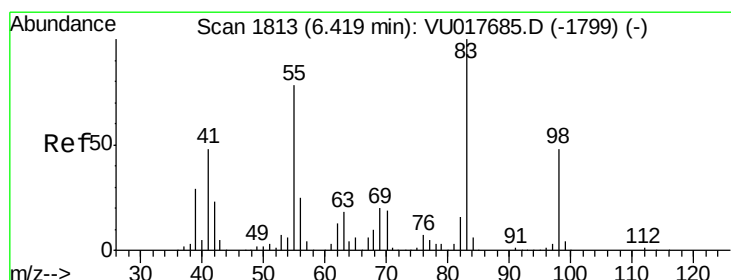
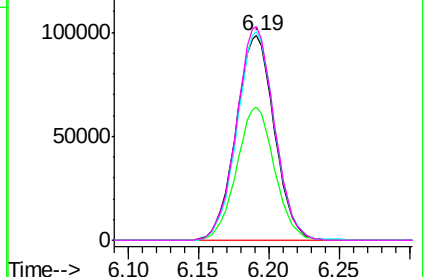
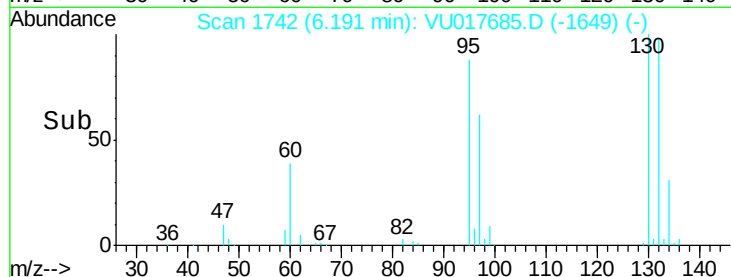


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 55.171 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

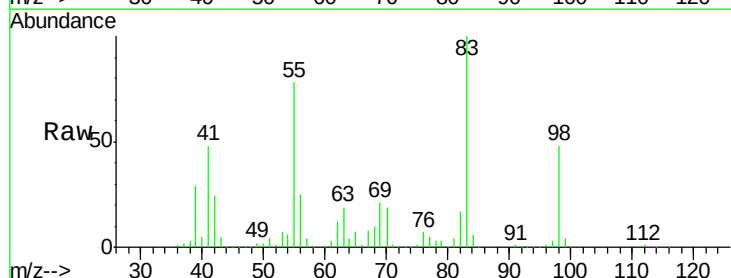
Tgt Ion: 83 Resp: 280110

Ion Ratio Lower Upper

83 100

55 77.2 61.8 92.6

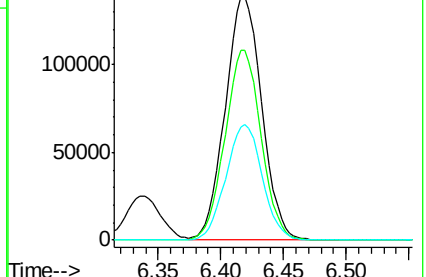
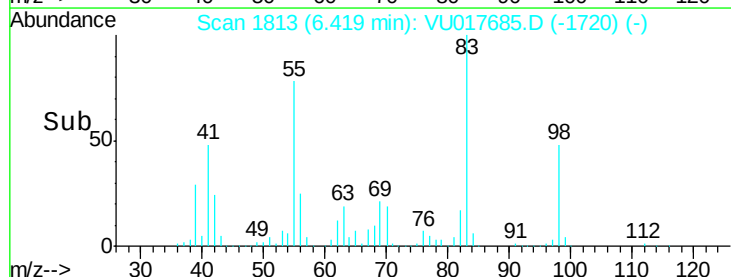
98 47.3 37.8 56.8

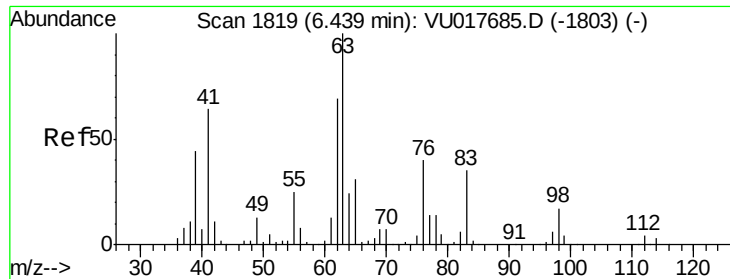


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

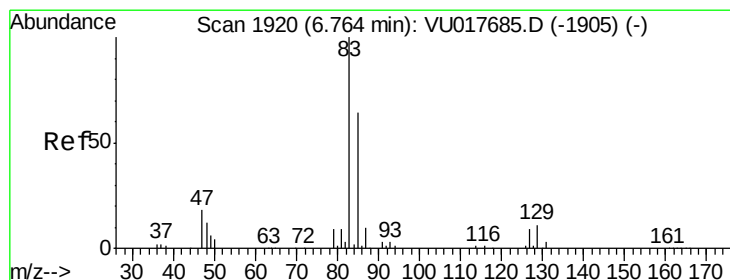
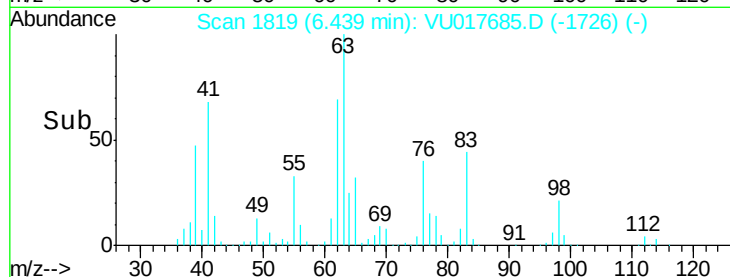
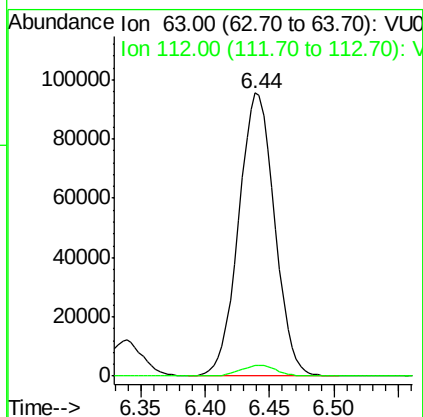
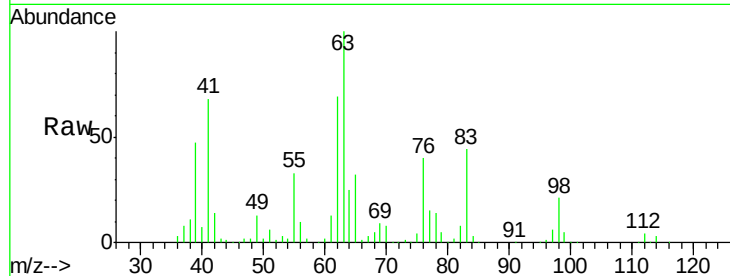




#37
 1,2-Dichloropropane
 Concen: 57.571 ug/L
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU017685.D
 Acq: 24 Jun 2017 12:20

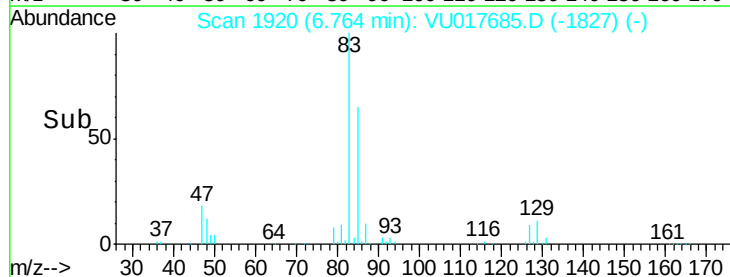
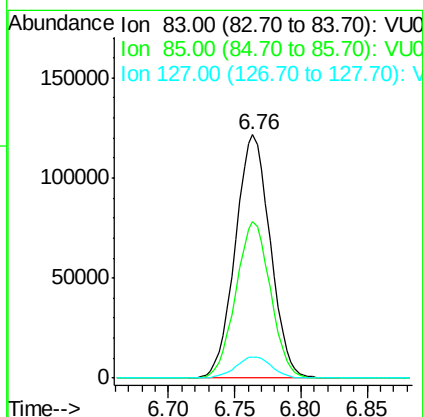
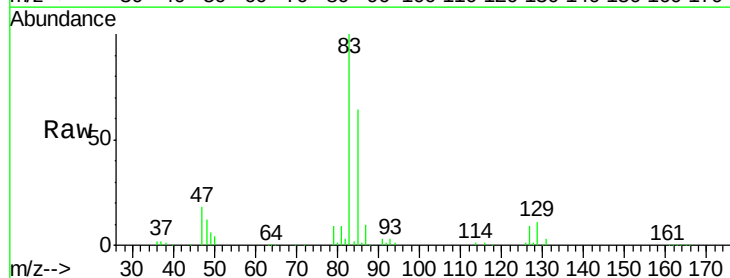
Instrument :
 BNA_M
 ClientSampleId :
 VSTD05016

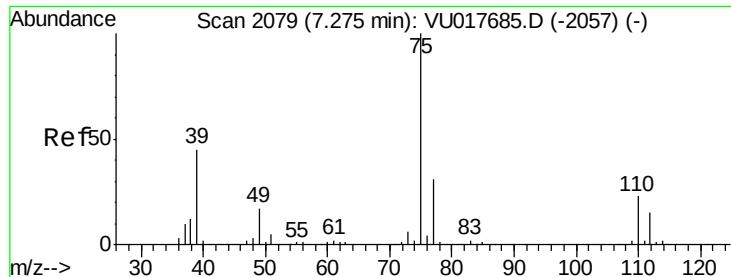
Tgt Ion: 63 Resp: 185790
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 54.707 ug/L
 RT: 6.76 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU017685.D
 Acq: 24 Jun 2017 12:20

Tgt Ion: 83 Resp: 222742
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.9 83.3
 127 8.7 7.0 10.4

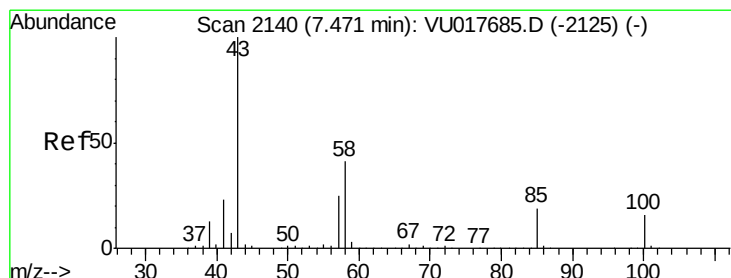
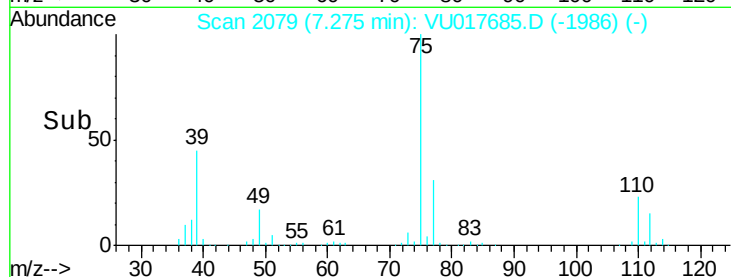
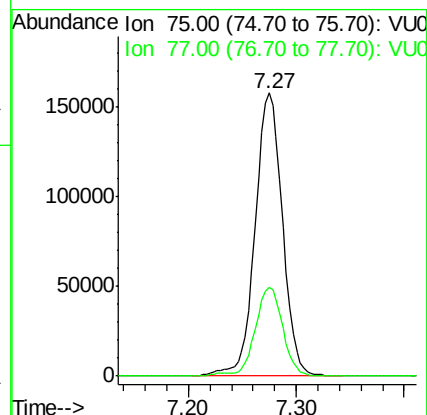
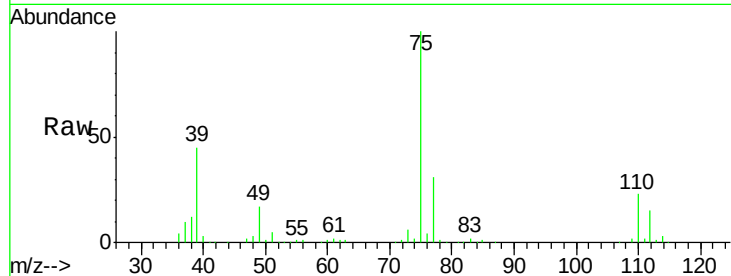




#39
 cis-1,3-Dichloropropene
 Concen: 57.065 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU017685.D
 Acq: 24 Jun 2017 12:20

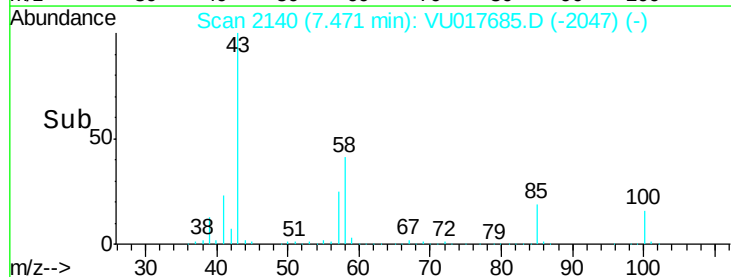
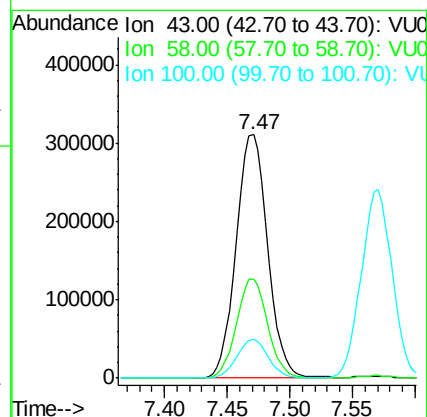
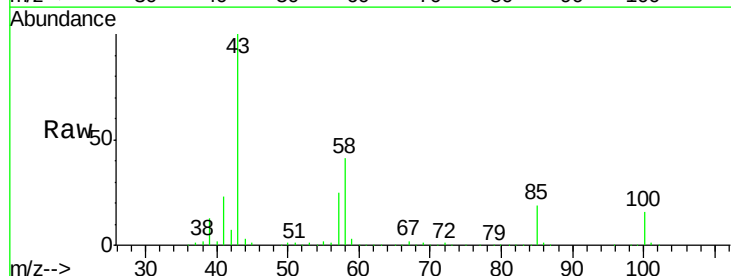
Instrument :
 BNA_M
 ClientSampleId :
 VSTD05016

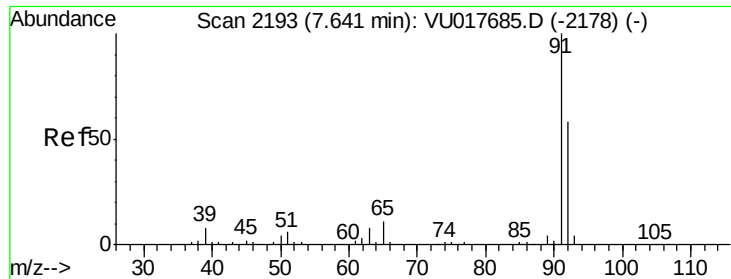
Tgt Ion: 75 Resp: 277911
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 133.945 ug/L
 RT: 7.47 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VU017685.D
 Acq: 24 Jun 2017 12:20

Tgt Ion: 43 Resp: 544452
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.3 48.5
 100 15.8 12.6 19.0





#42

Toluene

Concen: 52.670 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

Instrument :

BNA_M

ClientSampleId :

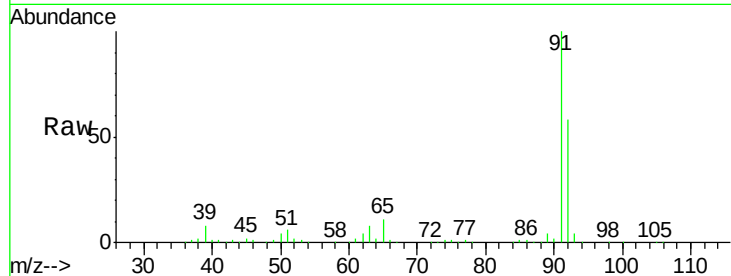
VSTD05016

Tgt Ion: 91 Resp: 768293

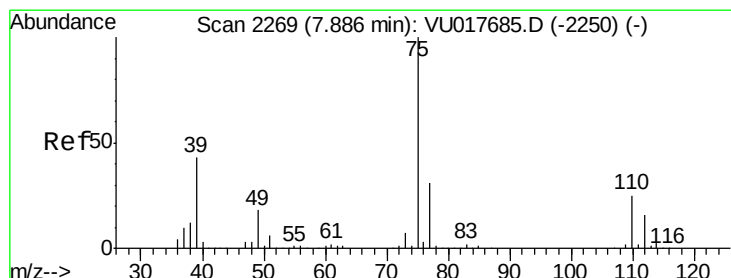
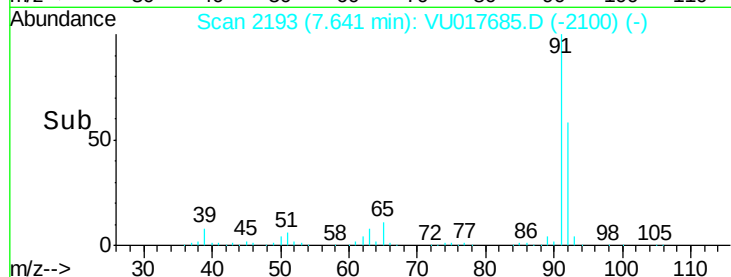
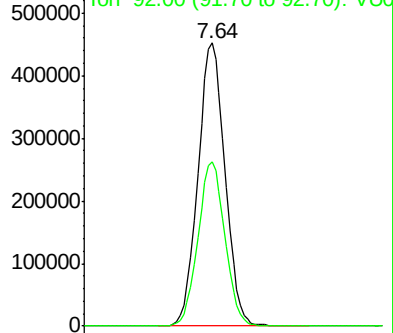
Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VU017685.D (-2178) (-)



#44

trans-1,3-Dichloropropene

Concen: 57.224 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU017685.D

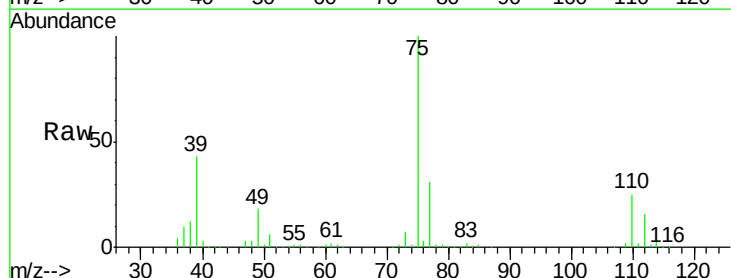
Acq: 24 Jun 2017 12:20

Tgt Ion: 75 Resp: 249474

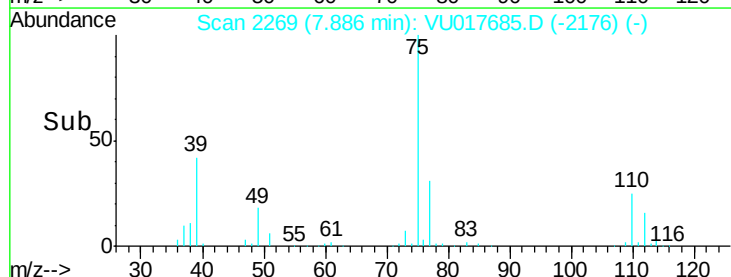
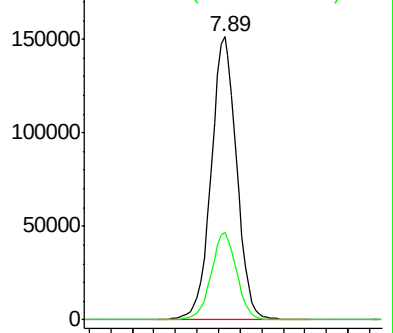
Ion Ratio Lower Upper

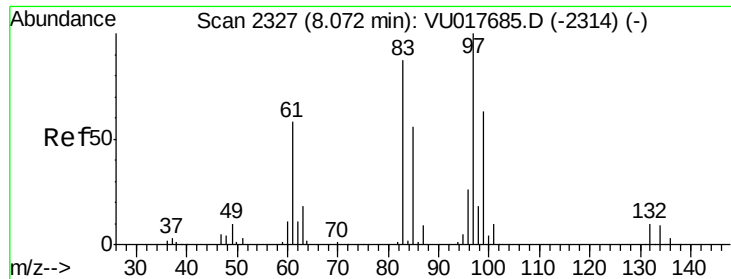
75 100

77 30.9 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU017685.D (-2250) (-)

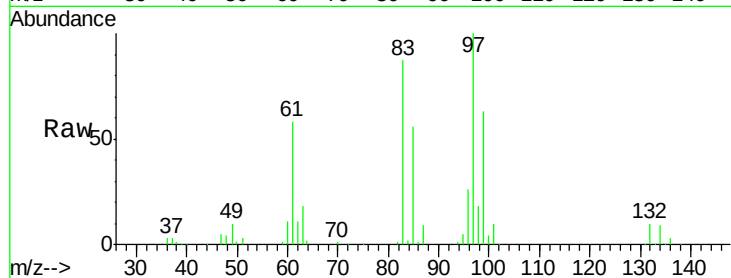




#45
 1,1,2-Trichloroethane
 Concen: 50.911 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU017685.D
 Acq: 24 Jun 2017 12:20

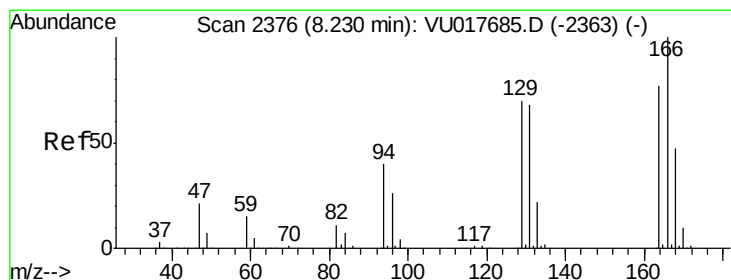
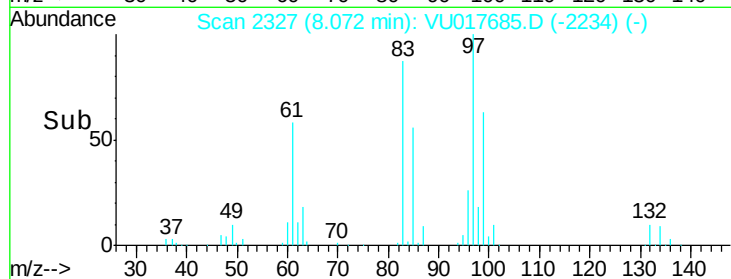
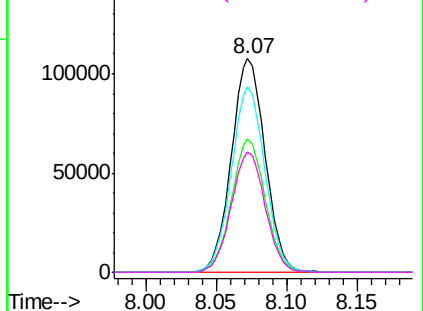
Instrument :
 BNA_M
 ClientSampleId :
 VSTD05016

Tgt Ion:	97	Resp:	180323
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.8	81.3
83	86.9	60.8	113.0
85	56.3	39.4	73.2



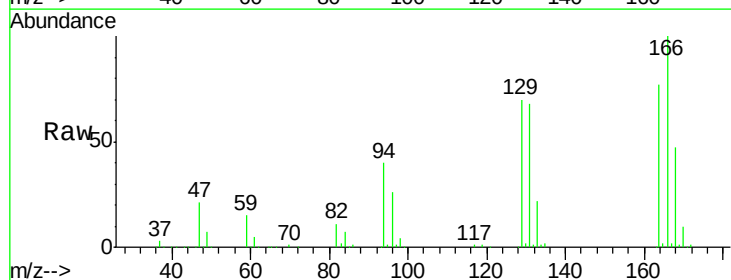
Abundance

Ion 97.00 (96.70 to 97.70): VU017685.D (-2314) (-)



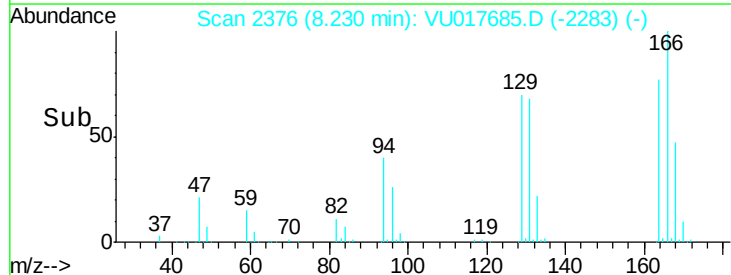
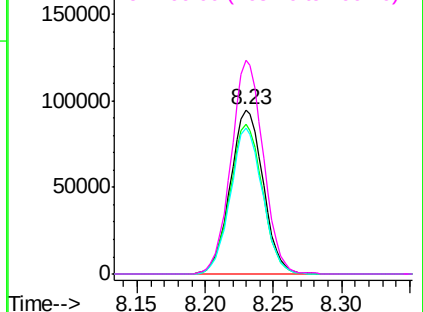
#46
 Tetrachloroethene
 Concen: 48.596 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU017685.D
 Acq: 24 Jun 2017 12:20

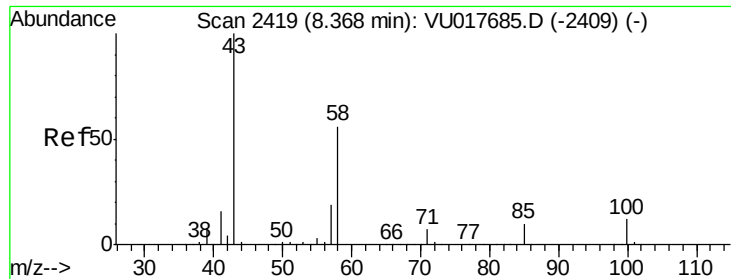
Tgt Ion:	164	Resp:	158418
Ion	Ratio	Lower	Upper
164	100		
129	90.9	63.6	118.2
131	88.6	62.0	115.2
166	129.9	90.9	168.9



Abundance

Ion 164.00 (163.70 to 164.70): VU017685.D (-2363) (-)

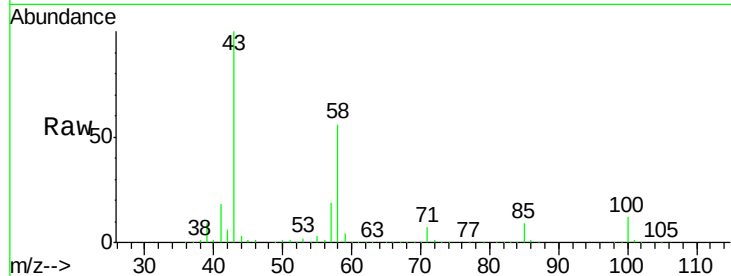




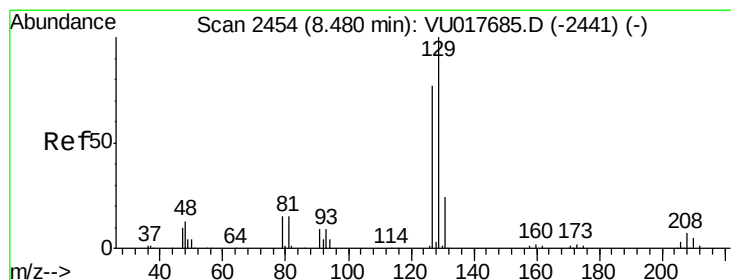
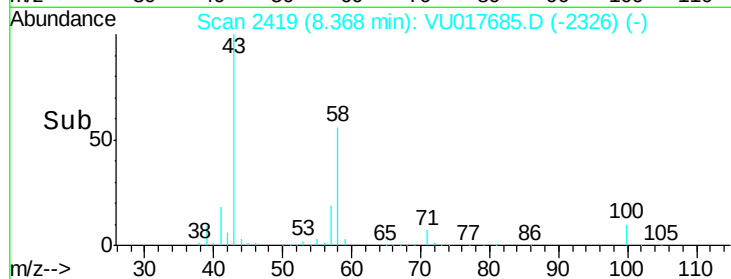
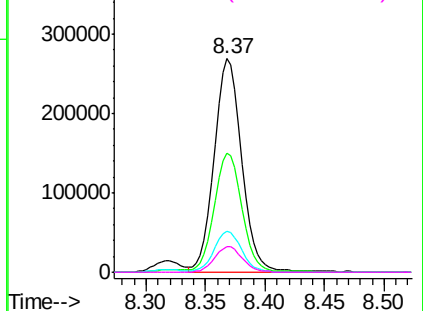
#48
2-Hexanone
Concen: 126.546 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU017685.D
Acq: 24 Jun 2017 12:20

Instrument :
BNA_M
ClientSampleId :
VSTD05016

Tgt Ion: 43 Resp: 429972
Ion Ratio Lower Upper
43 100
58 56.8 45.4 68.2
57 19.2 15.4 23.0
100 12.1 9.7 14.5

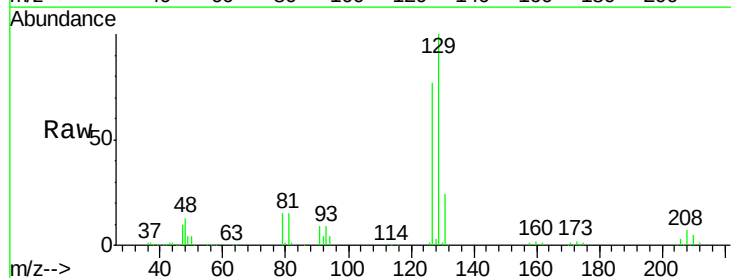


Abundance Ion 43.00 (42.70 to 43.70): VU017685.D (-2409) (-)
Ion 58.00 (57.70 to 58.70): VU017685.D (-2409) (-)
Ion 57.00 (56.70 to 57.70): VU017685.D (-2409) (-)
Ion 100.00 (99.70 to 100.70): VU017685.D (-2409) (-)

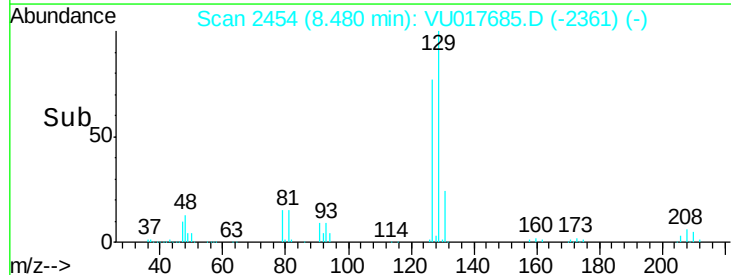
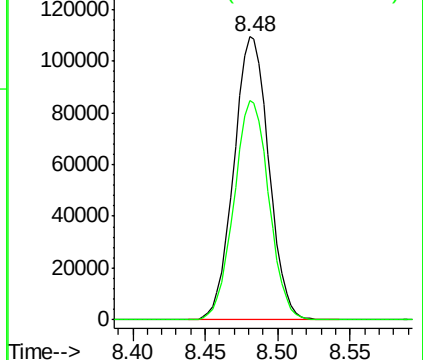


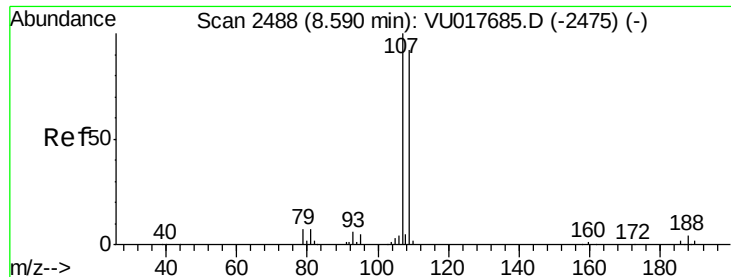
#49
Dibromochloromethane
Concen: 51.427 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU017685.D
Acq: 24 Jun 2017 12:20

Tgt Ion: 129 Resp: 183266
Ion Ratio Lower Upper
129 100
127 77.4 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VU017685.D (-2441) (-)
Ion 127.00 (126.70 to 127.70): VU017685.D (-2441) (-)

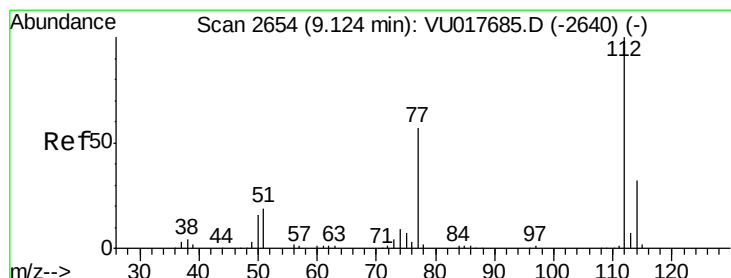
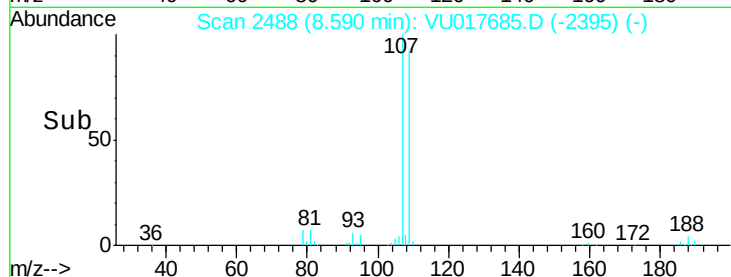
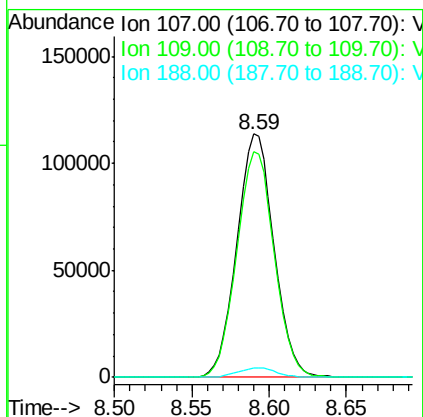
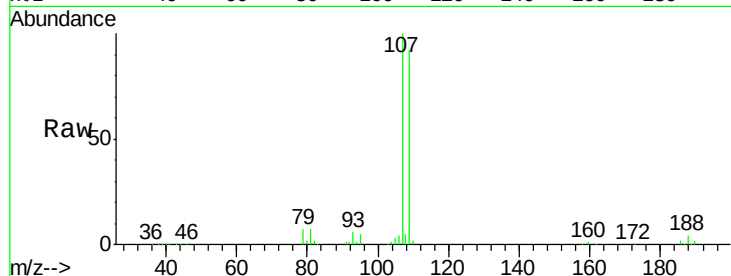




#50
1,2-Dibromoethane
Concen: 49.750 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU017685.D
Acq: 24 Jun 2017 12:20

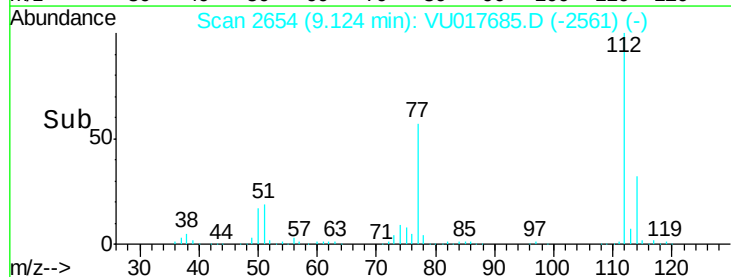
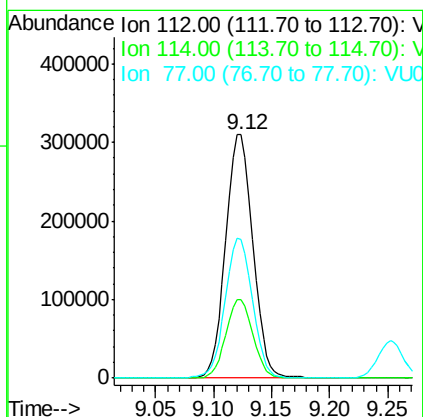
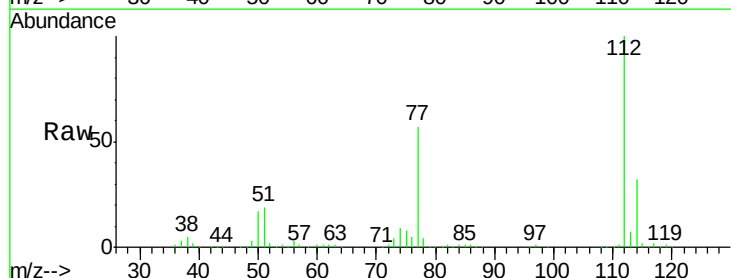
Instrument :
BNA_M
ClientSampleId :
VSTD05016

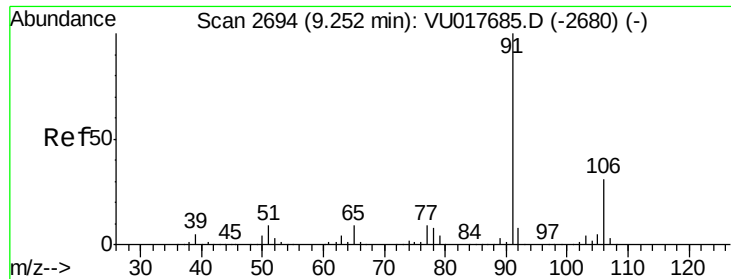
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.5	64.8	120.3
188	4.1	3.3	4.9



#51
Chlorobenzene
Concen: 50.297 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU017685.D
Acq: 24 Jun 2017 12:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.1
77	57.0	45.6	68.4





#52

Ethylbenzene

Concen: 52.326 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

Instrument :

BNA_M

ClientSampleId :

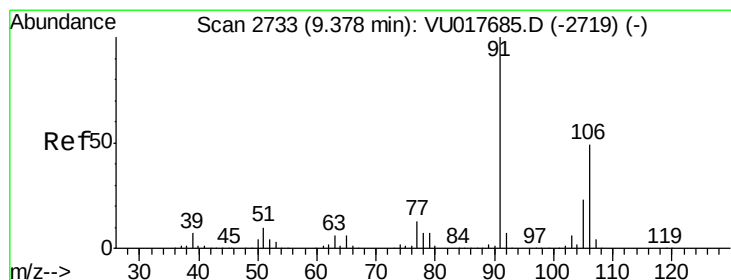
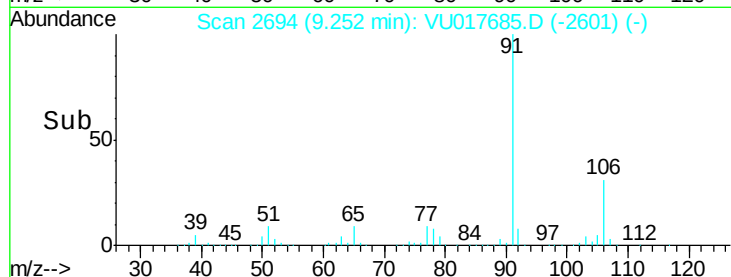
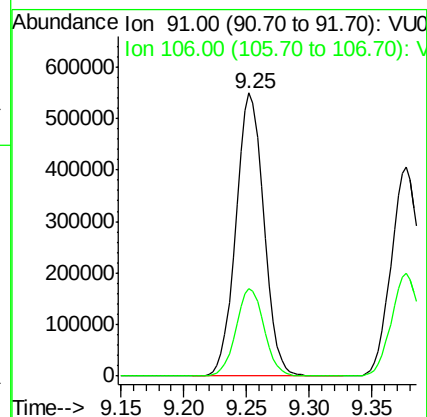
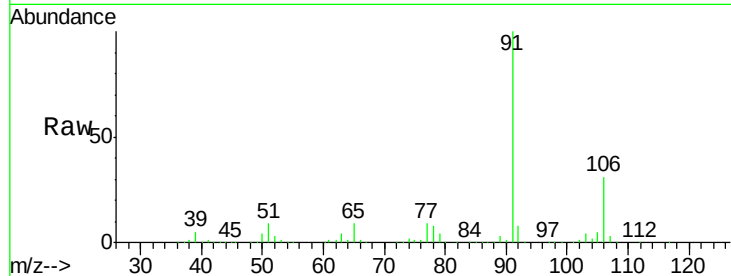
VSTD05016

Tgt Ion: 91 Resp: 850642

Ion Ratio Lower Upper

91 100

106 31.0 21.7 40.3



#53

m,p-Xylene

Concen: 51.057 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU017685.D

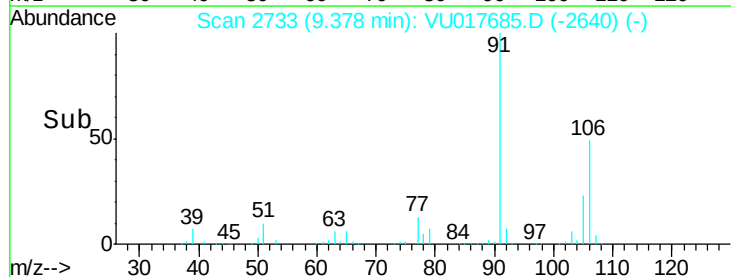
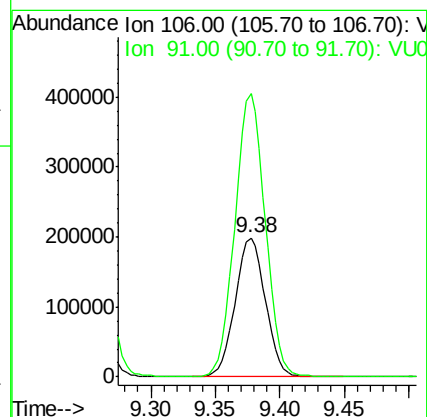
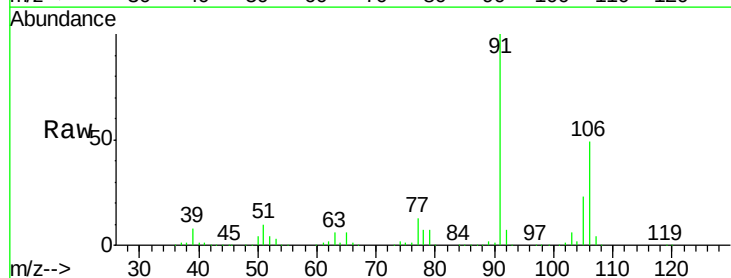
Acq: 24 Jun 2017 12:20

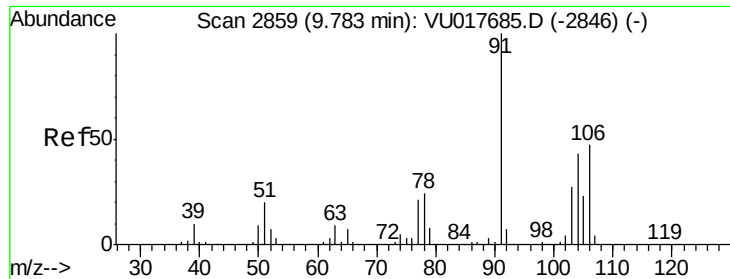
Tgt Ion: 106 Resp: 321484

Ion Ratio Lower Upper

106 100

91 203.4 142.4 264.4





#54

o-xylene

Concen: 51.202 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

Instrument :

BNA_M

ClientSampleId :

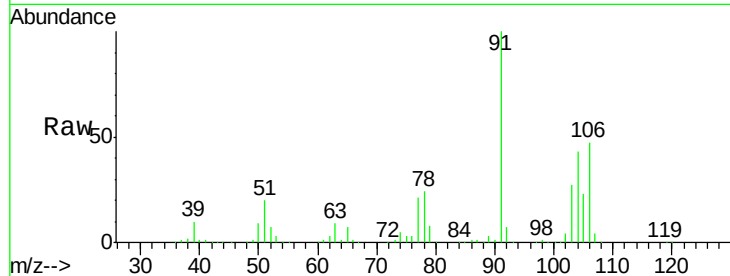
VSTD05016

Tgt Ion:106 Resp: 318102

Ion Ratio Lower Upper

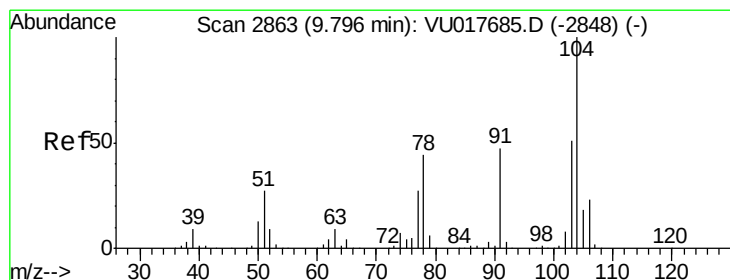
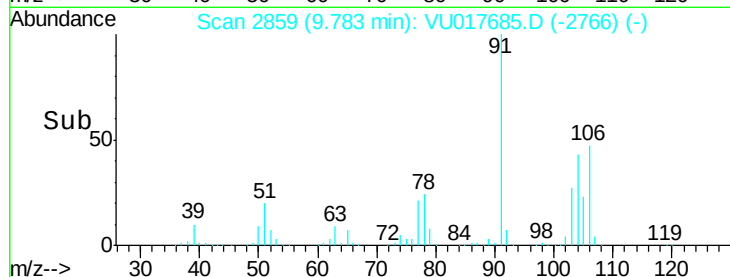
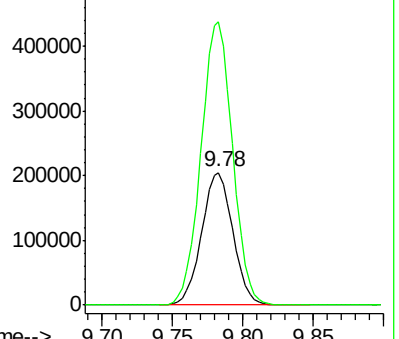
106 100

91 213.7 149.6 277.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.947 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU017685.D

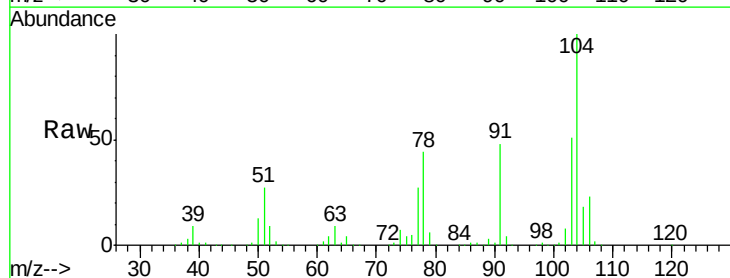
Acq: 24 Jun 2017 12:20

Tgt Ion:104 Resp: 564399

Ion Ratio Lower Upper

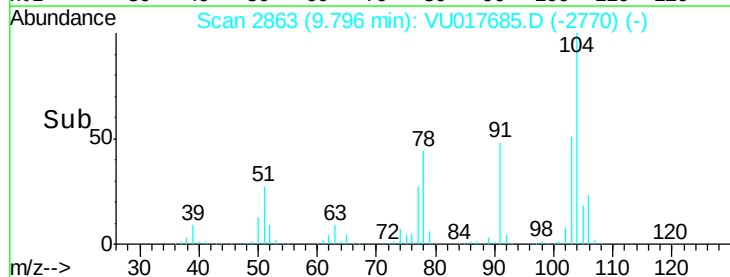
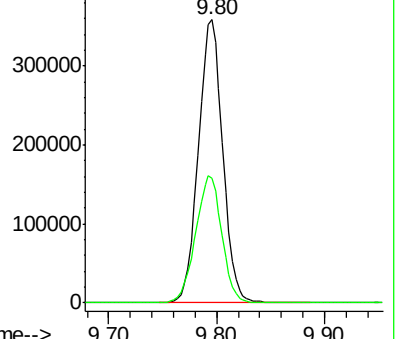
104 100

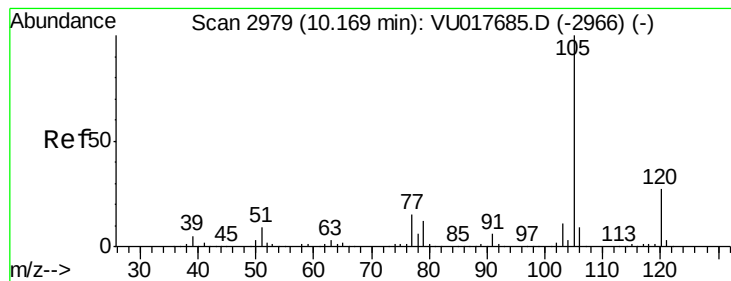
78 44.2 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.300 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

Instrument :

BNA_M

ClientSampleId :

VSTD05016

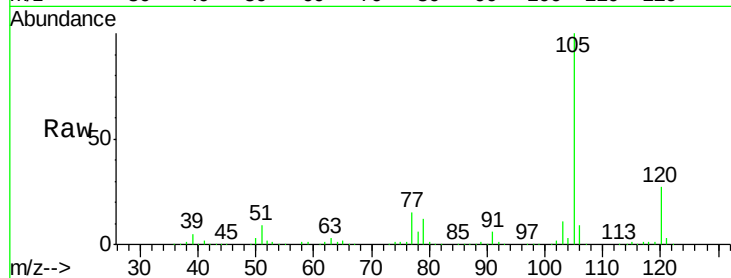
Tgt Ion: 105 Resp: 833193

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

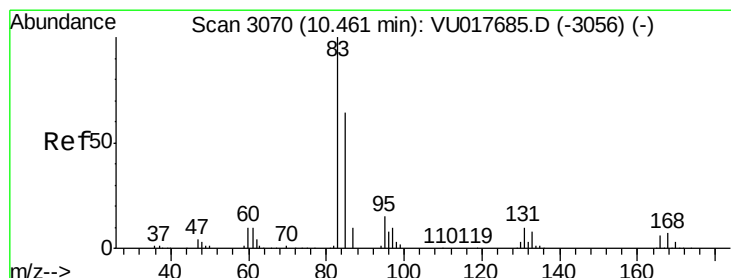
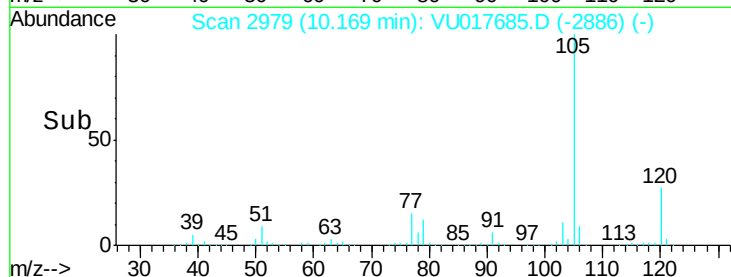
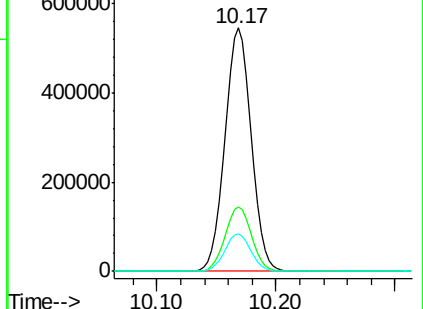
77 15.4 12.3 18.5



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: 52.727 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

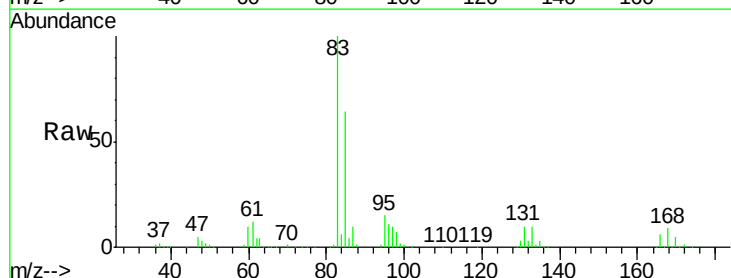
Tgt Ion: 83 Resp: 303898

Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5

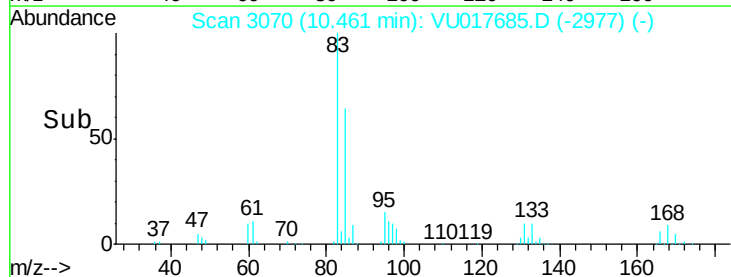
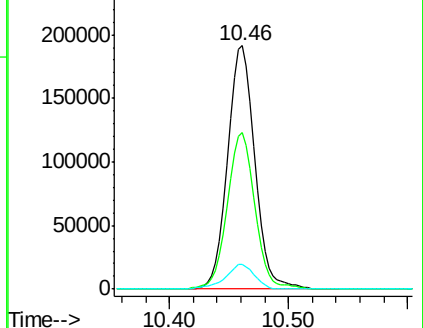
131 10.2 8.2 12.2

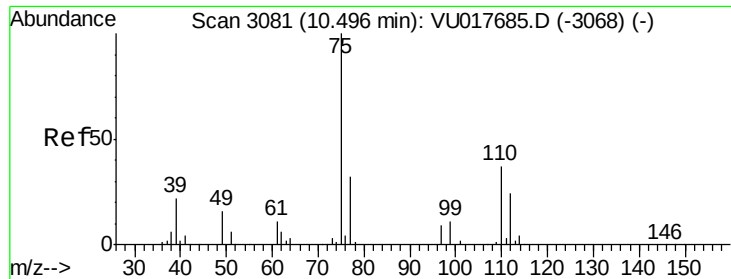


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

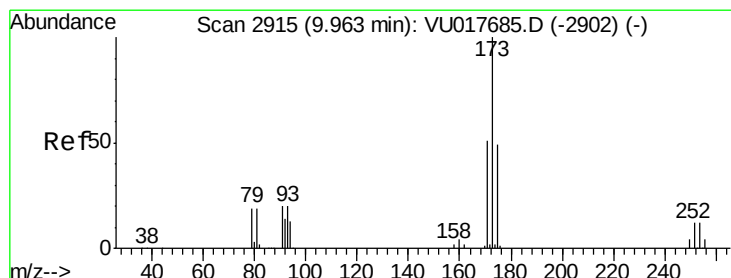
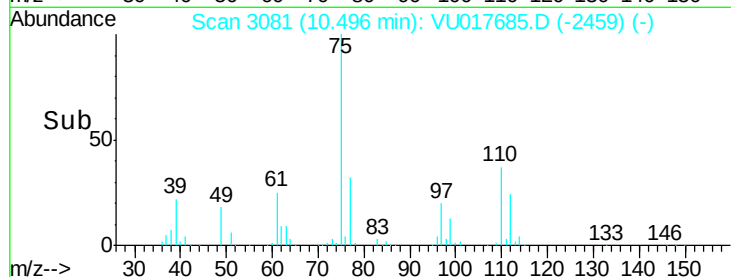
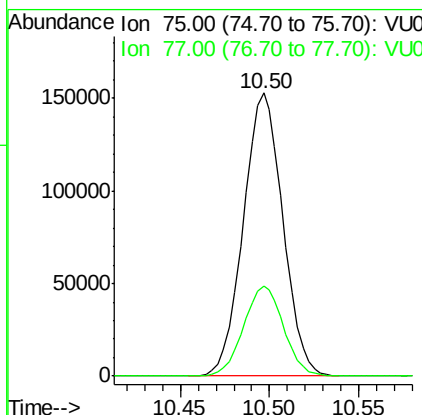
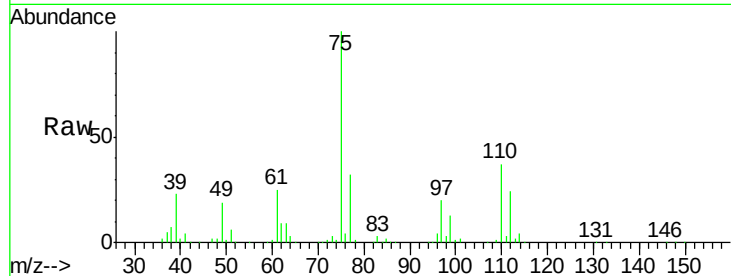




#59
 1,2,3-Trichloropropane
 Concen: 53.657 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU017685.D
 Acq: 24 Jun 2017 12:20

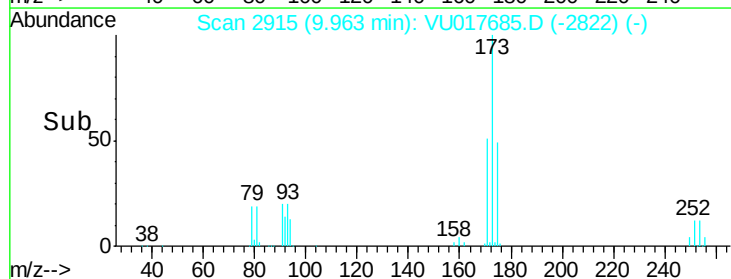
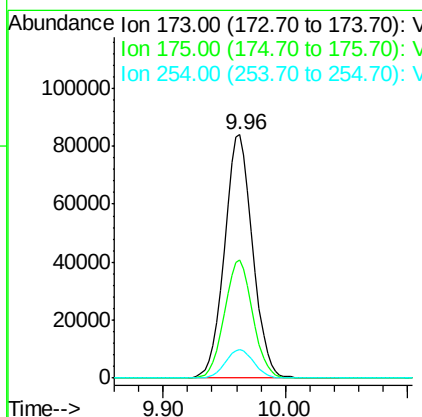
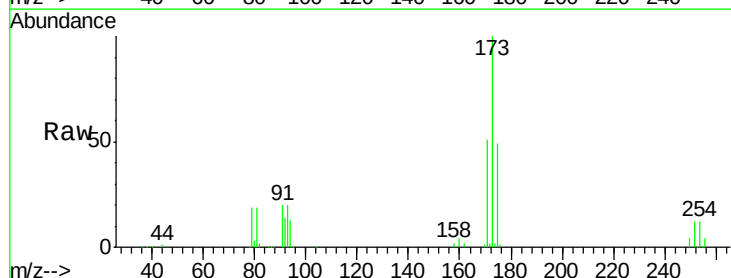
Instrument :
 BNA_M
 ClientSampleId :
 VSTD05016

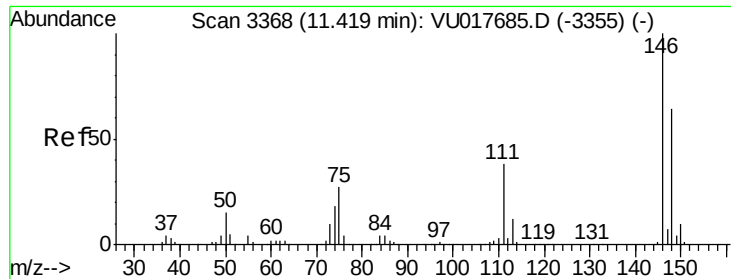
Tgt Ion: 75 Resp: 237287
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5



#61
 Bromoform
 Concen: 52.655 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU017685.D
 Acq: 24 Jun 2017 12:20

Tgt Ion: 173 Resp: 135855
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.0 58.4
 254 11.8 9.4 14.2





#62

1,3-Dichlorobenzene

Concen: 50.156 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

Instrument :

BNA_M

ClientSampleId :

VSTD05016

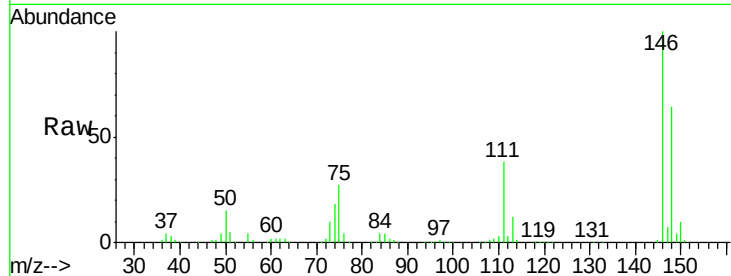
Tgt Ion:146 Resp: 418482

Ion Ratio Lower Upper

146 100

111 38.5 26.9 50.1

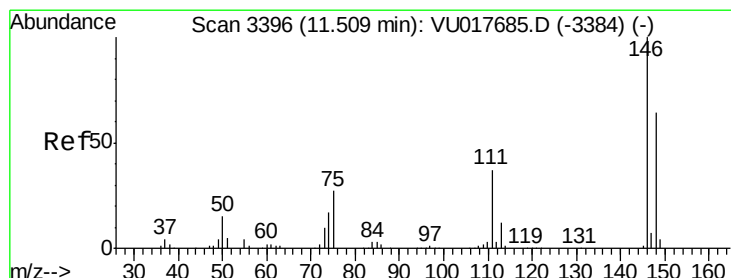
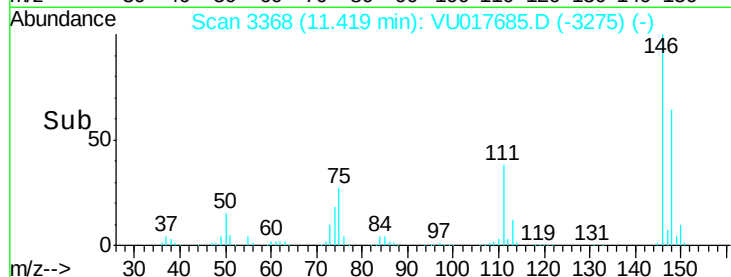
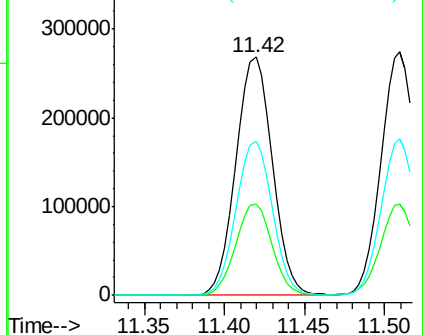
148 64.5 45.1 83.9



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: 49.307 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

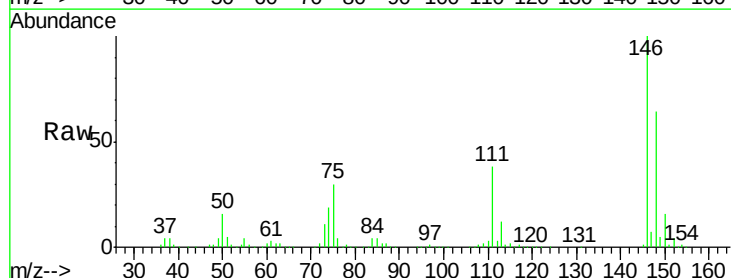
Tgt Ion:146 Resp: 424906

Ion Ratio Lower Upper

146 100

111 37.7 26.4 49.0

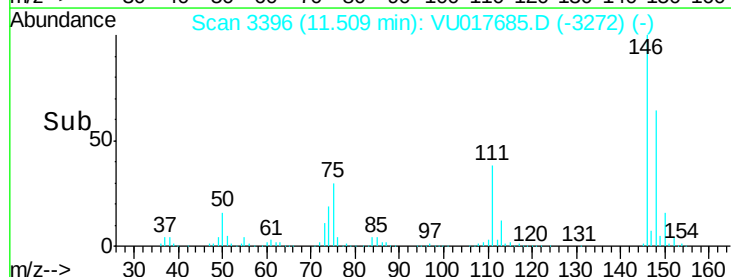
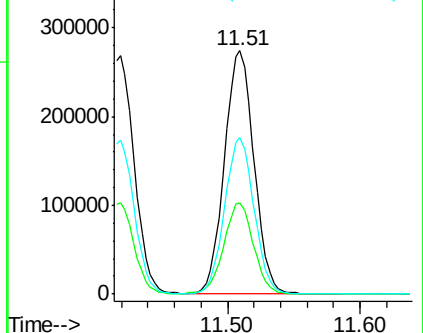
148 64.1 44.9 83.3

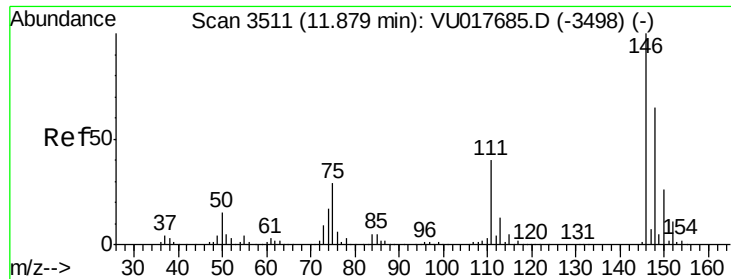


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

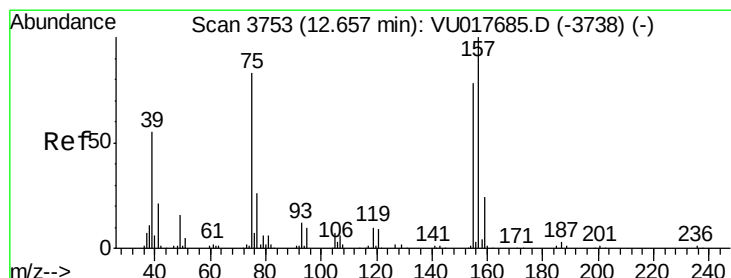
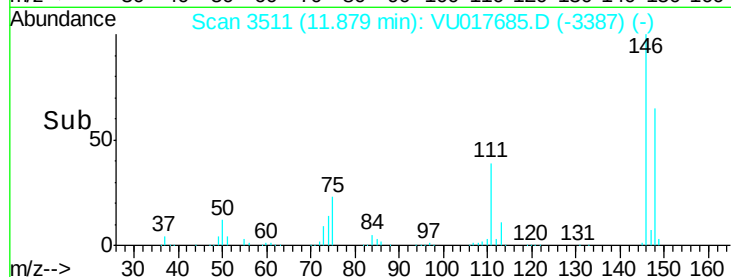
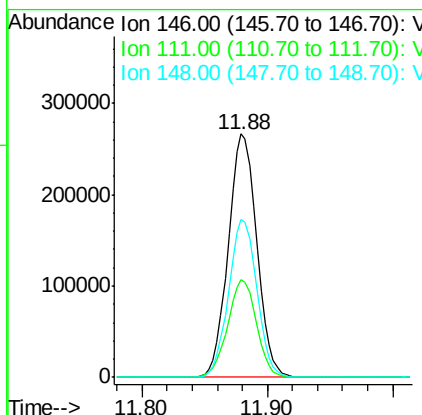
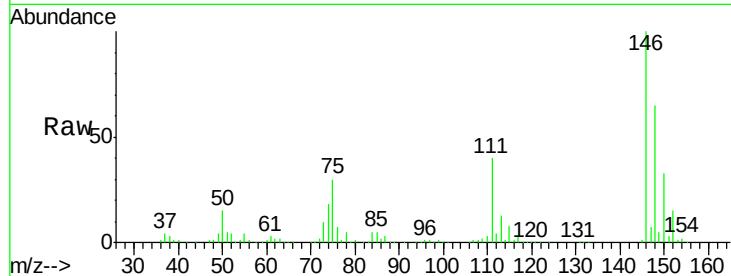




#65
 1,2-Dichlorobenzene
 Concen: 49.771 ug/L
 RT: 11.88 min Scan# 3511
 Delta R.T. 0.00 min
 Lab File: VU017685.D
 Acq: 24 Jun 2017 12:20

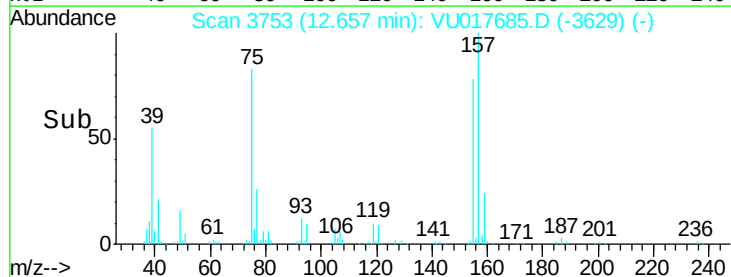
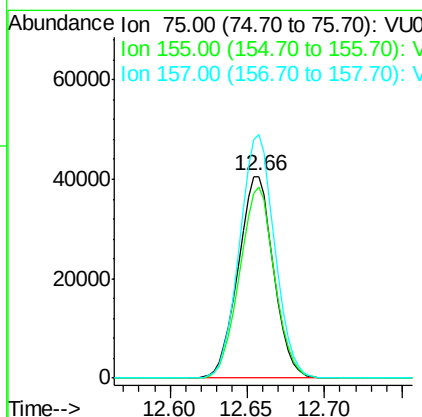
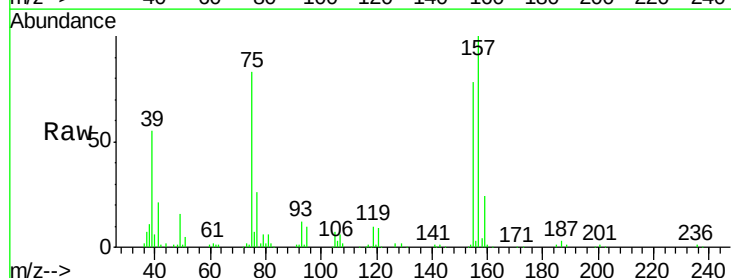
Instrument :
 BNA_M
 ClientSampleId :
 VSTD05016

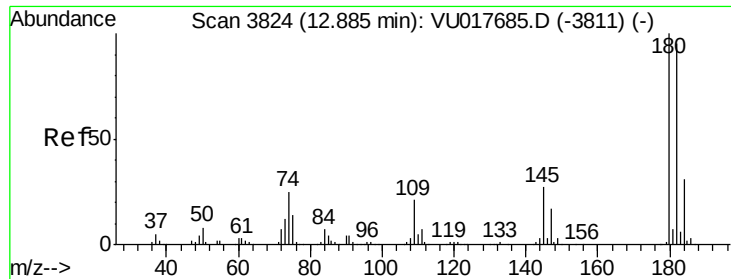
Tgt Ion: 146 Resp: 420005
 Ion Ratio Lower Upper
 146 100
 111 40.0 32.0 48.0
 148 64.7 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 58.212 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU017685.D
 Acq: 24 Jun 2017 12:20

Tgt Ion: 75 Resp: 64403
 Ion Ratio Lower Upper
 75 100
 155 94.7 75.8 113.6
 157 120.9 96.7 145.1

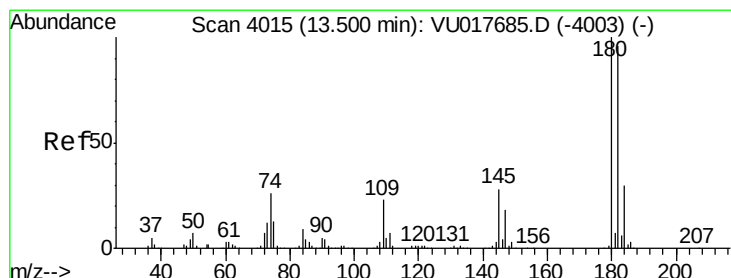
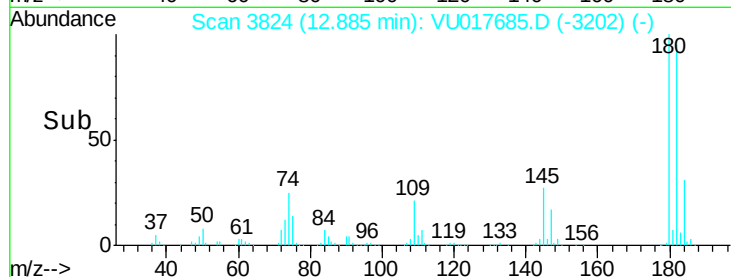
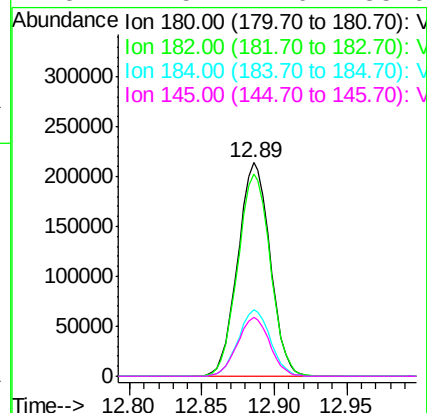
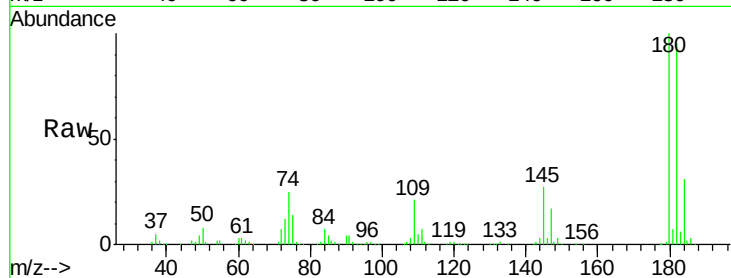




#67
 1,3,5-Trichlorobenzene
 Concen: 48.206 ug/L
 RT: 12.89 min Scan# 3824
 Delta R.T. 0.00 min
 Lab File: VU017685.D
 Acq: 24 Jun 2017 12:20

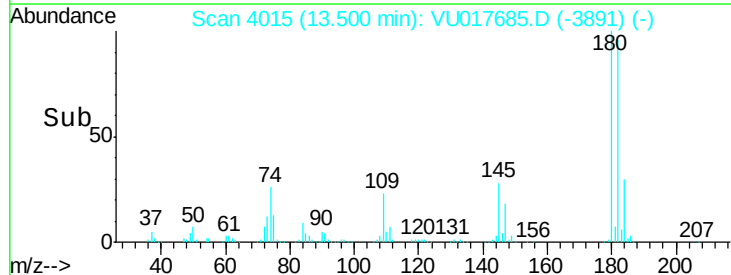
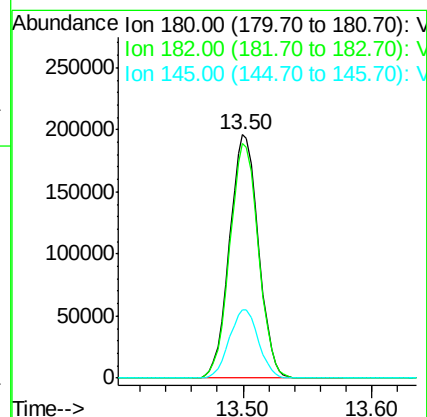
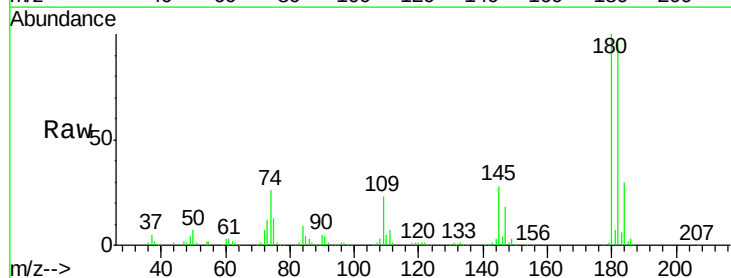
Instrument :
 BNA_M
 ClientSampleId :
 VSTD05016

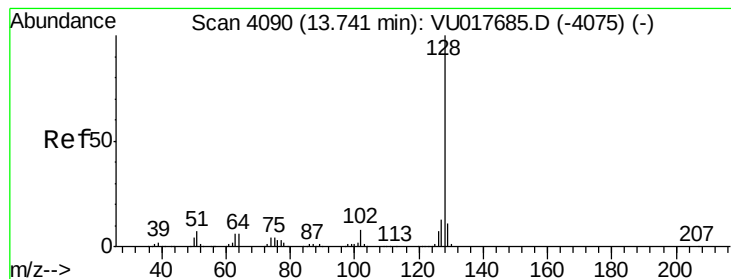
Tgt Ion:180 Resp: 330957
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.4 114.6
 184 30.9 24.7 37.1
 145 27.5 22.0 33.0



#68
 1,2,4-trichlorobenzene
 Concen: 48.052 ug/L
 RT: 13.50 min Scan# 4015
 Delta R.T. 0.00 min
 Lab File: VU017685.D
 Acq: 24 Jun 2017 12:20

Tgt Ion:180 Resp: 303075
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 114.8
 145 28.5 22.8 34.2





#69

Naphthalene

Concen: 50.212 ug/L

RT: 13.74 min Scan# 4090

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

Instrument :

BNA_M

ClientSampleId :

VSTD05016

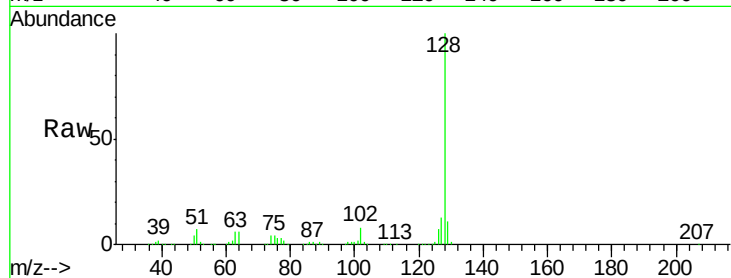
Tgt Ion:128 Resp: 931144

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

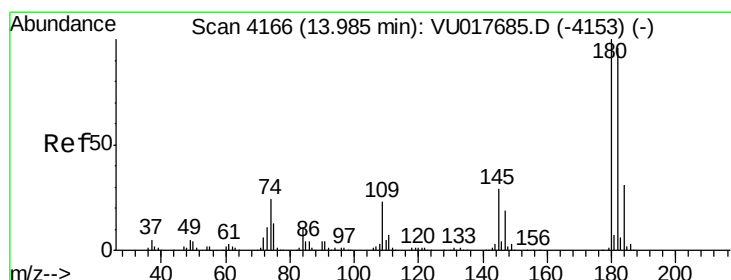
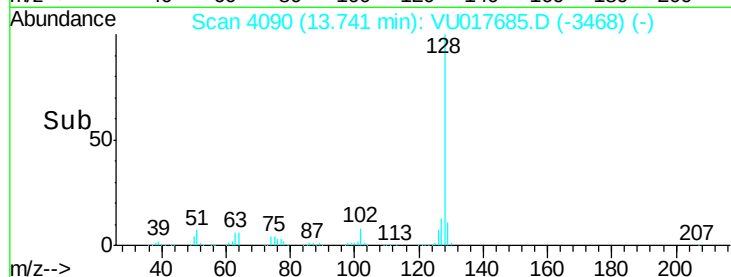
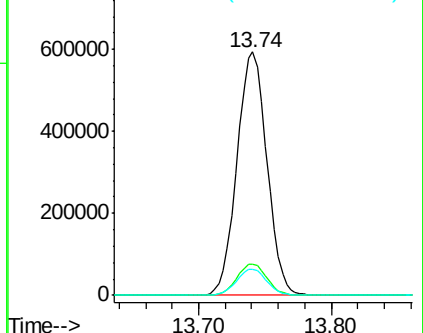
129 11.0 8.8 13.2



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: 48.513 ug/L

RT: 13.99 min Scan# 4166

Delta R.T. 0.00 min

Lab File: VU017685.D

Acq: 24 Jun 2017 12:20

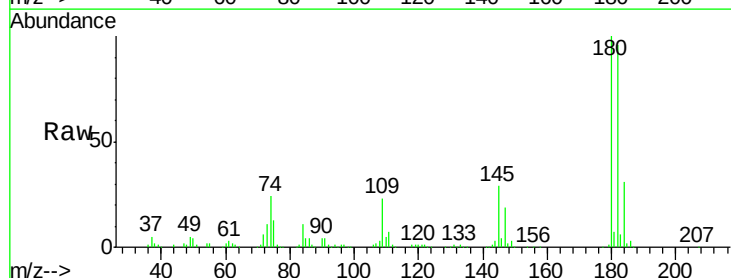
Tgt Ion:180 Resp: 305314

Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.6

145 29.4 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

