

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU062417\
 Data File : VU017683.D
 Acq On : 24 Jun 2017 11:30
 Operator : MD/SY
 Sample : VSTD00514
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VSTD00514

Quant Time: Jun 26 02:10:19 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	612181	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	563140	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	297658	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	22533	5.39	ug/L	0.00
7) Chloroethane-d5	1.68	69	17516	5.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	39220	5.44	ug/L	0.00
21) 2-Butanone-d5	4.20	46	31050	18.83	ug/L	0.00
24) Chloroform-d	4.66	84	41629	5.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.32	65	28042	6.08	ug/L	0.00
32) Benzene-d6	5.35	84	85938	5.81	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	27206	6.23	ug/L	0.00
41) Toluene-d8	7.57	98	79535	5.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	10047	5.10	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	23662	11.70	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	39028	5.80	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	34057	5.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	20381	4.878	ug/L 97
3) Chloromethane	1.34	50	24194	6.247	ug/L 99
5) Vinyl chloride	1.40	62	24624	5.861	ug/L 94
6) Bromomethane	1.63	94	11744	6.537	ug/L 98
8) Chloroethane	1.70	64	15259	5.930	ug/L 99
9) Trichlorofluoromethane	1.89	101	31737	4.962	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	17627	4.902	ug/L 99
12) 1,1-Dichloroethene	2.28	96	17709	4.961	ug/L 92
13) Acetone	2.32	43	23544	8.526	ug/L 99
14) Carbon disulfide	2.48	76	42836	5.514	ug/L 99
15) Methyl Acetate	2.62	43	24990	6.738	ug/L 99
16) Methylene chloride	2.70	84	23791	5.673	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	19652	5.253	ug/L 100
18) Methyl tert-butyl Ether	3.01	73	60229	5.191	ug/L 99
19) 1,1-Dichloroethane	3.45	63	38560	5.926	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	23516	5.408	ug/L 97
22) 2-Butanone	4.29	43	36092	12.155	ug/L 99
23) Bromochloromethane	4.55	128	11554	5.029	ug/L 97
25) Chloroform	4.68	83	40085	5.650	ug/L 94
27) 1,2-Dichloroethane	5.41	62	31215	5.879	ug/L 99
29) Cyclohexane	4.99	56	31987	6.504	ug/L 99
30) 1,1,1-Trichloroethane	4.92	97	29806	5.388	ug/L 98
31) Carbon tetrachloride	5.14	117	24840	5.323	ug/L 99
33) Benzene	5.39	78	88477	5.974	ug/L 100
34) Trichloroethene	6.19	95	23493	5.681	ug/L 95
35) Methylcyclohexane	6.42	83	34887	5.987	ug/L 99
37) 1,2-Dichloropropane	6.44	63	23291	6.289	ug/L 98
38) Bromodichloromethane	6.76	83	24969	5.343	ug/L # 98
39) cis-1,3-Dichloropropene	7.27	75	30017	5.370	ug/L 99
40) 4-Methyl-2-pentanone	7.47	43	63953	13.709	ug/L 99

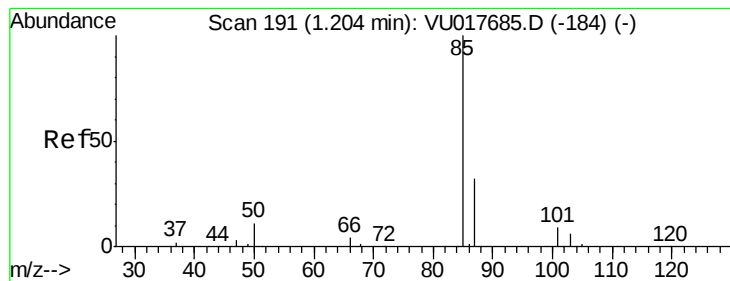
Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU062417\
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 Quant Title : VOC Analysis
 QLast Update : Mon Jun 26 02:04:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	95199	5.687	ug/L	100
44) trans-1,3-Dichloropropene	7.89	75	25133	5.023	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	22365	5.502	ug/L	98
46) Tetrachloroethene	8.23	164	20235	5.409	ug/L	97
48) 2-Hexanone	8.37	43	49352	12.656	ug/L	98
49) Dibromochloromethane	8.48	129	19805	4.842	ug/L	98
50) 1,2-Dibromoethane	8.59	107	22828	5.228	ug/L	100
51) Chlorobenzene	9.12	112	63938	5.574	ug/L	99
52) Ethylbenzene	9.25	91	104891	5.622	ug/L	99
53) m,p-Xylene	9.38	106	39802	5.508	ug/L	100
54) o-xylene	9.78	106	37955	5.323	ug/L	95
55) Styrene	9.80	104	65594	5.260	ug/L	97
56) Isopropylbenzene	10.17	105	98510	5.285	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	36979	5.590	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	30359	5.982	ug/L	99
61) Bromoform	9.96	173	13826	4.794	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	51443	5.516	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	54596	5.668	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	52195	5.533	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	6862	5.549	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	40310	5.253	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	36650	5.199	ug/L	99
69) Naphthalene	13.74	128	102626	4.951	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	36682	5.214	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.878 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

Instrument :

BNA_M

ClientSampleId :

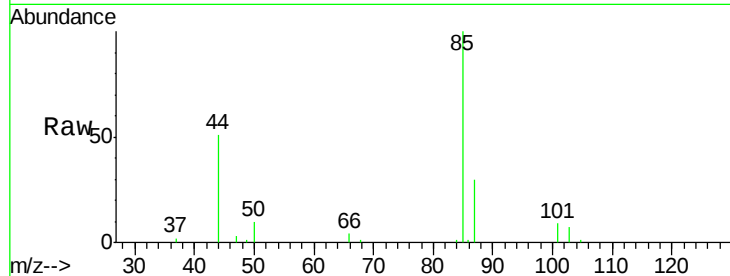
VSTD00514

Tgt Ion: 85 Resp: 20381

Ion Ratio Lower Upper

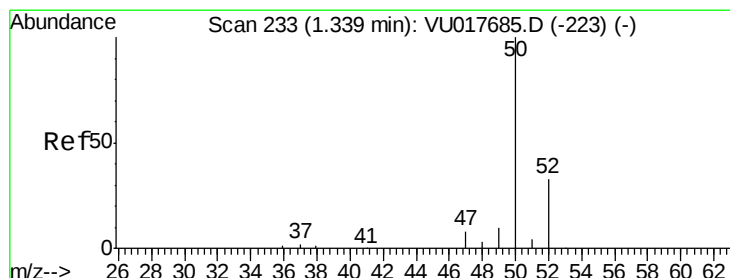
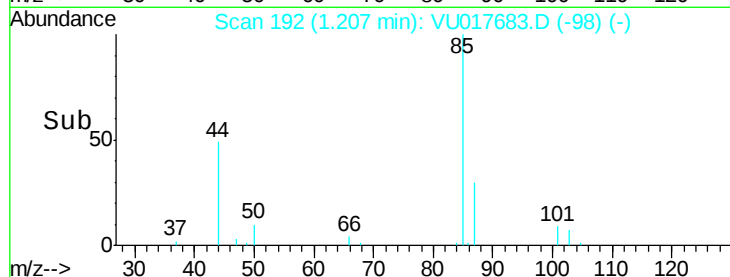
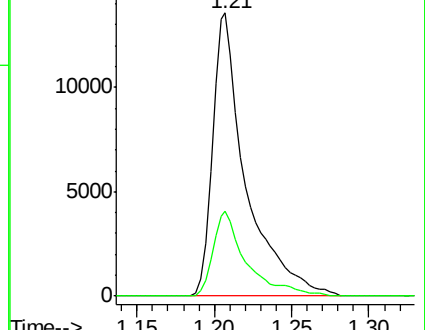
85 100

87 30.1 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU017683.D (-184) (-)

Ion 87.00 (86.70 to 87.70): VU017683.D (-184) (-)



#3

Chloromethane

Concen: 6.247 ug/L

RT: 1.34 min Scan# 233

Delta R.T. -0.00 min

Lab File: VU017683.D

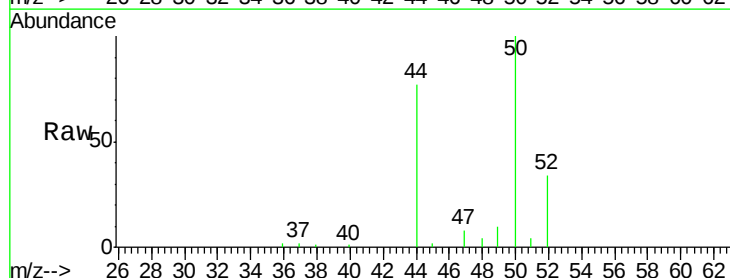
Acq: 24 Jun 2017 11:30

Tgt Ion: 50 Resp: 24194

Ion Ratio Lower Upper

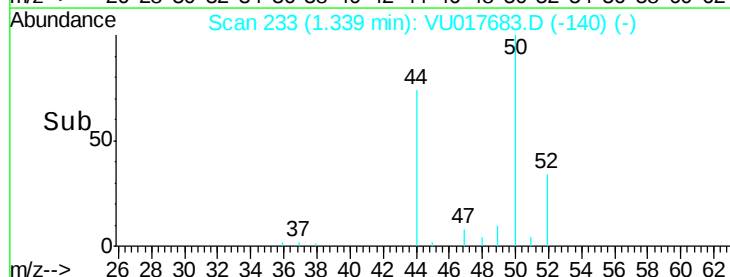
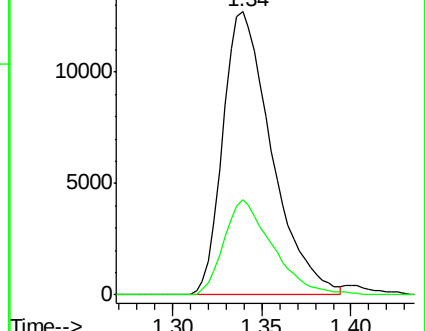
50 100

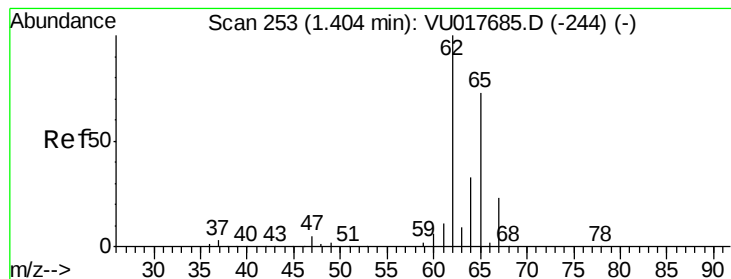
52 33.5 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU017683.D (-223) (-)

Ion 52.00 (51.70 to 52.70): VU017683.D (-223) (-)





#5

Vinyl chloride

Concen: 5.861 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

Instrument :

BNA_M

ClientSampleId :

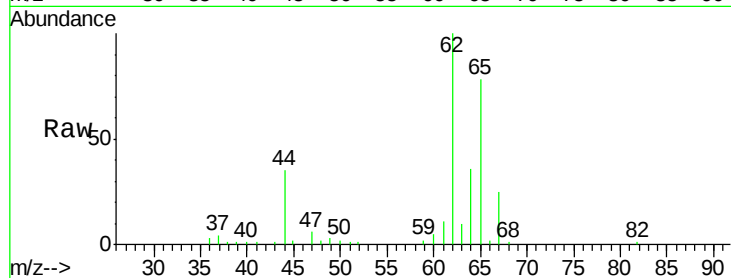
VSTD00514

Tgt Ion: 62 Resp: 24624

Ion Ratio Lower Upper

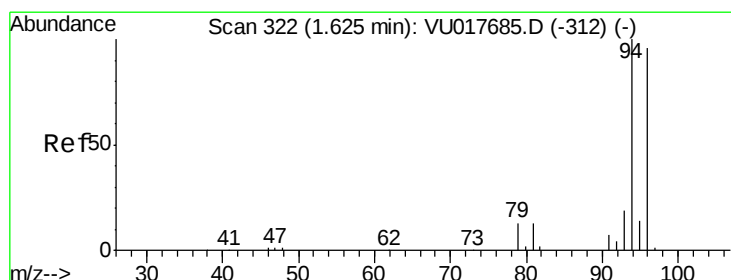
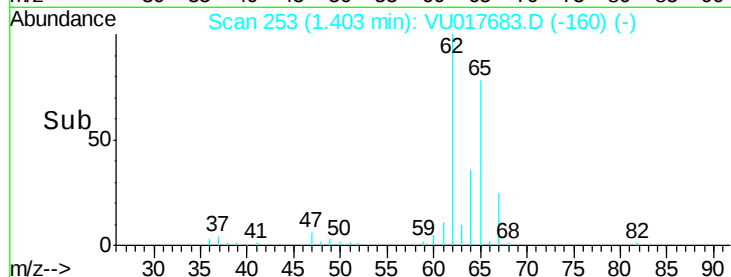
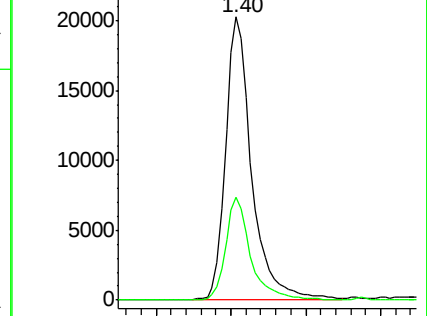
62 100

64 36.3 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 6.537 ug/L

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU017683.D

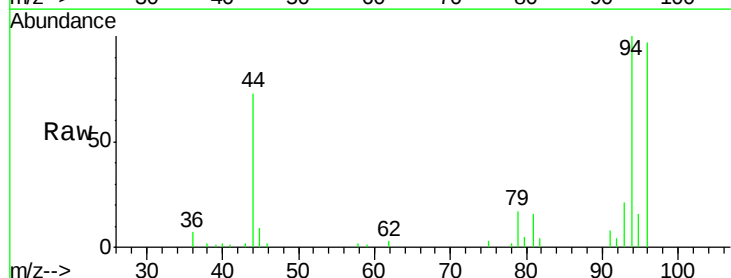
Acq: 24 Jun 2017 11:30

Tgt Ion: 94 Resp: 11744

Ion Ratio Lower Upper

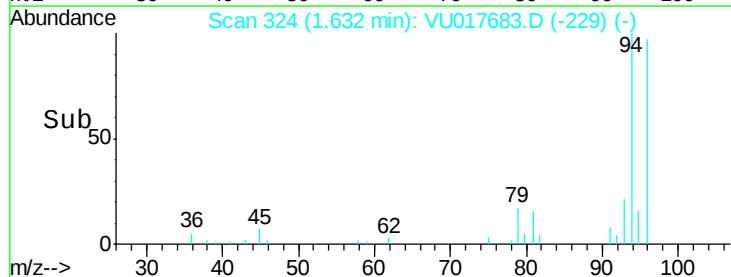
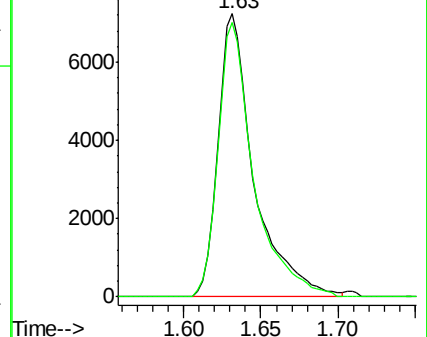
94 100

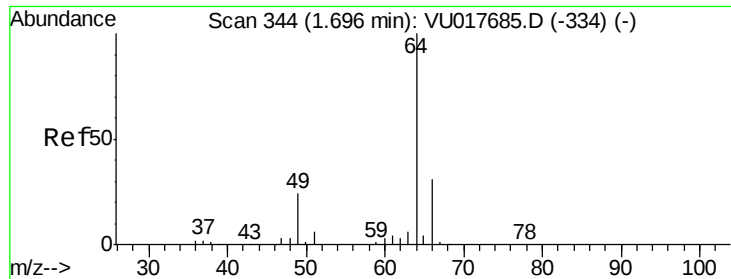
96 97.0 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.930 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

Instrument :

BNA_M

ClientSampleId :

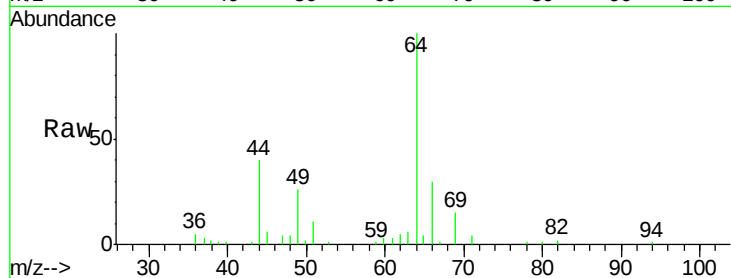
VSTD00514

Tgt Ion: 64 Resp: 15259

Ion Ratio Lower Upper

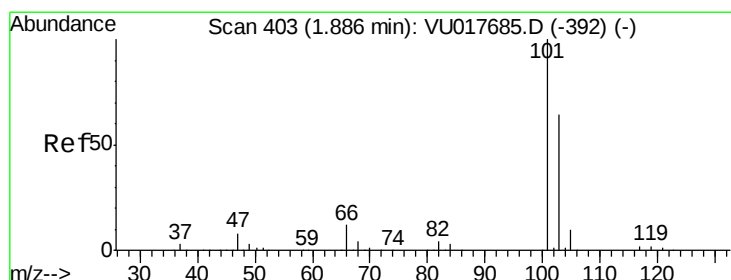
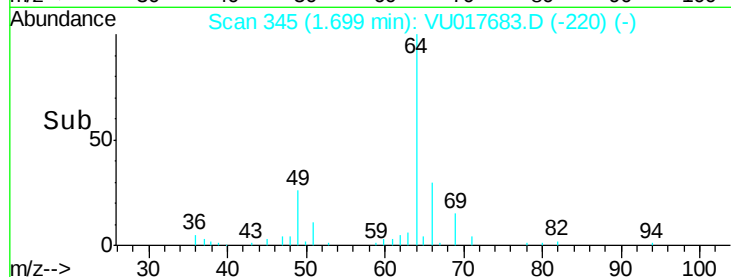
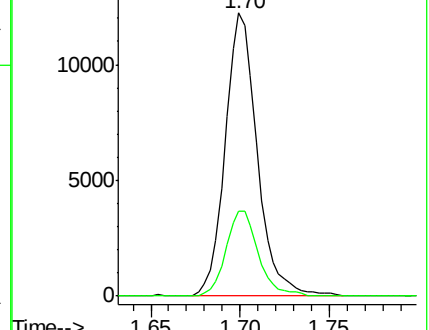
64 100

66 30.2 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VU017683.D (-220) (-)

Ion 66.00 (65.70 to 66.70): VU017683.D (-220) (-)



#9

Trichlorofluoromethane

Concen: 4.962 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU017683.D

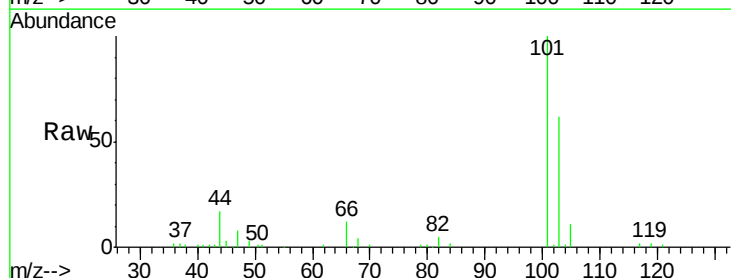
Acq: 24 Jun 2017 11:30

Tgt Ion: 101 Resp: 31737

Ion Ratio Lower Upper

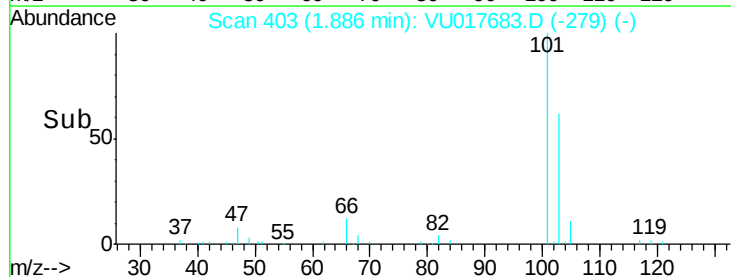
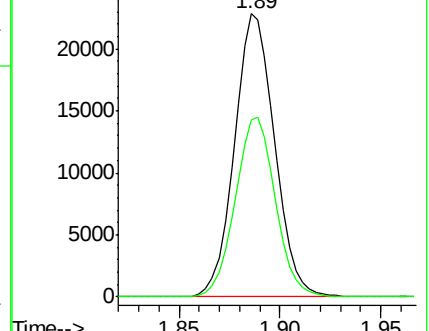
101 100

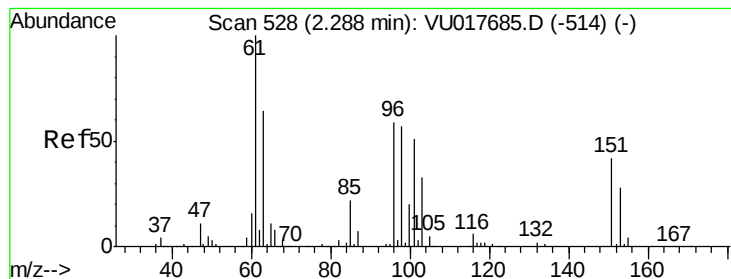
103 63.4 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU017683.D (-279) (-)

Ion 103.00 (102.70 to 103.70): VU017683.D (-279) (-)





#10

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

Concen: 4.902 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

Instrument :

BNA_M

ClientSampleId :

VSTD00514

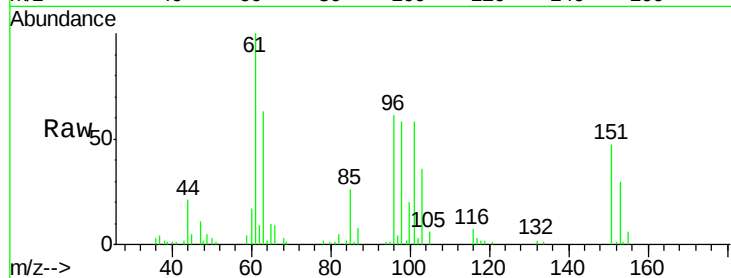
Tgt Ion: 101 Resp: 17627

Ion Ratio Lower Upper

101 100

85 44.1 33.7 50.5

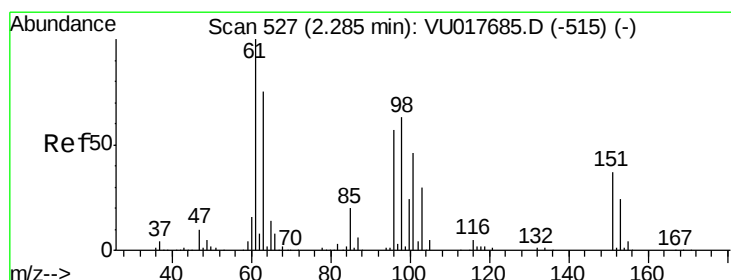
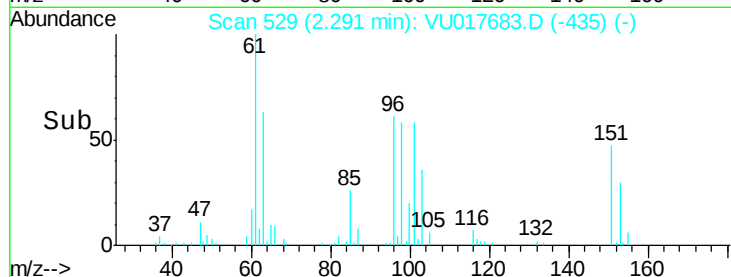
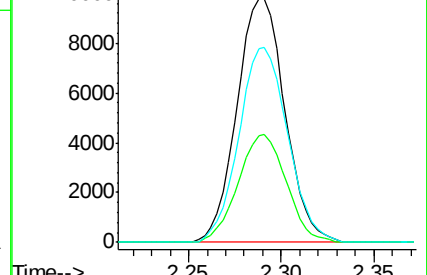
151 81.2 64.8 97.2



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: 4.961 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

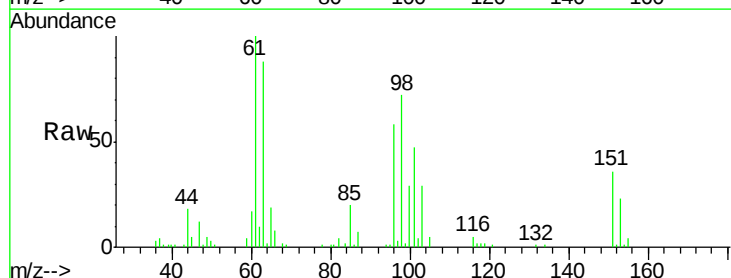
Tgt Ion: 96 Resp: 17709

Ion Ratio Lower Upper

96 100

61 173.1 122.5 227.5

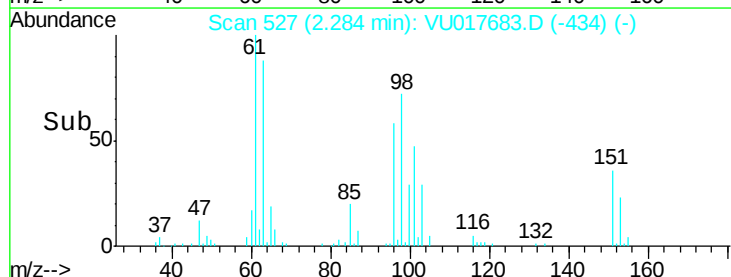
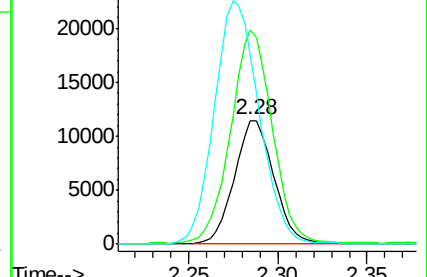
63 153.0 94.1 174.7

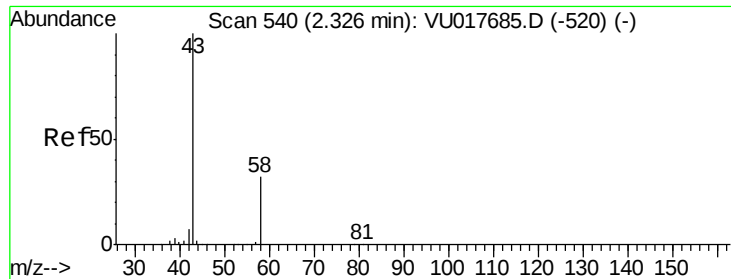


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.526 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU017683.D

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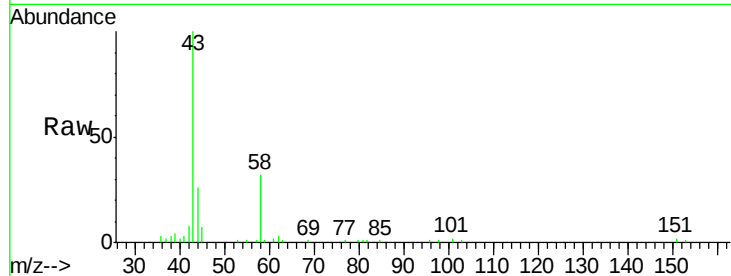
VSTD00514

Tgt Ion: 43 Resp: 23544

Ion Ratio Lower Upper

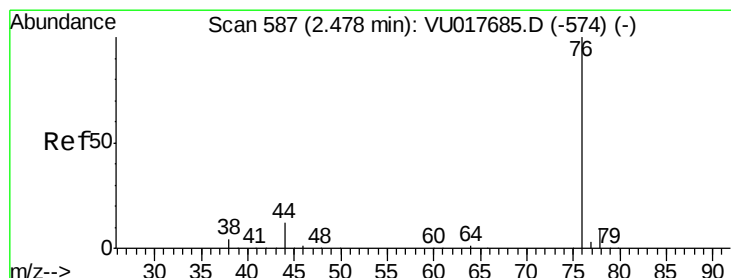
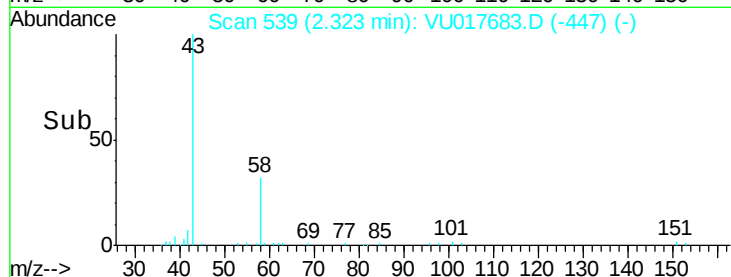
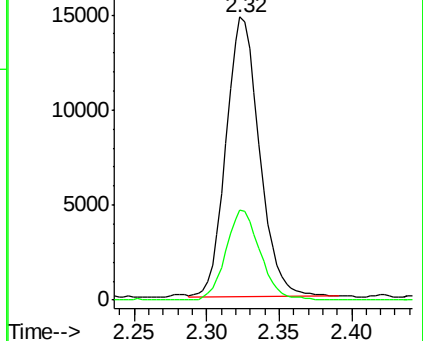
43 100

58 32.6 0.0 64.2



Abundance Ion 43.00 (42.70 to 43.70): VU017683.D (-539) (-)

Ion 58.00 (57.70 to 58.70): VU017683.D (-539) (-)



#14

Carbon disulfide

Concen: 5.514 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU017683.D

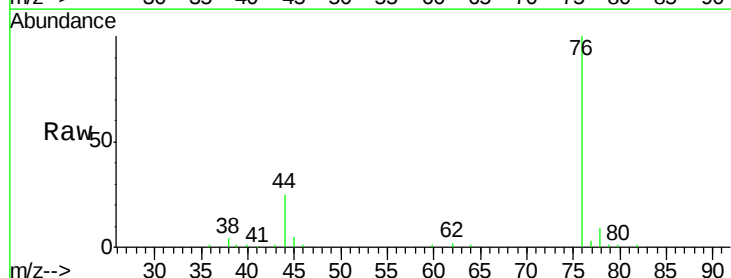
Acq: 24 Jun 2017 11:30

Tgt Ion: 76 Resp: 42836

Ion Ratio Lower Upper

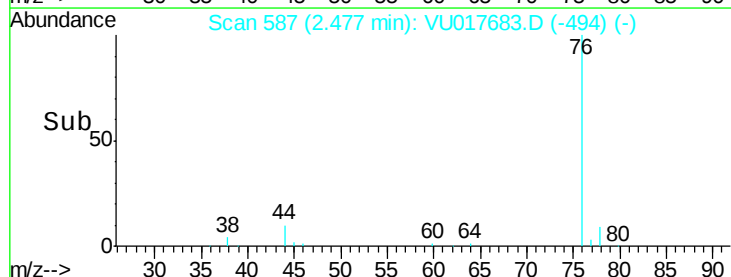
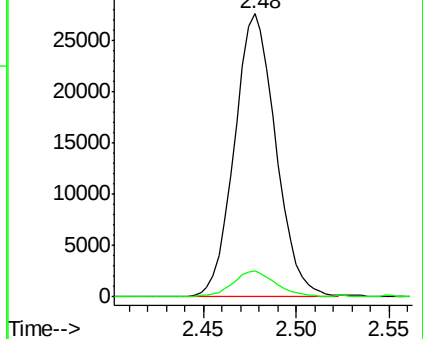
76 100

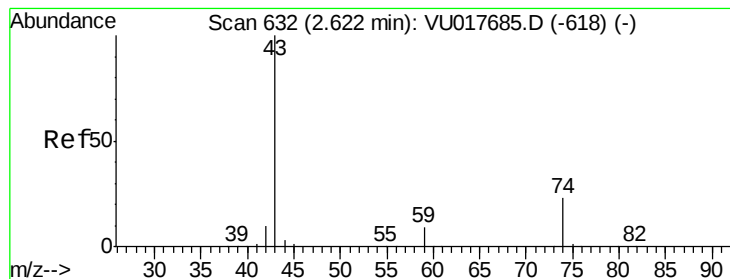
78 9.1 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU017683.D (-587) (-)

Ion 78.00 (77.70 to 78.70): VU017683.D (-587) (-)





#15

Methyl Acetate

Concen: 6.738 ug/L

RT: 2.62 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

Instrument :

BNA_M

ClientSampleId :

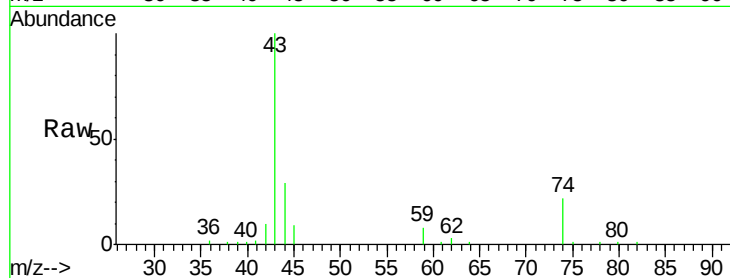
VSTD00514

Tgt Ion: 43 Resp: 24990

Ion Ratio Lower Upper

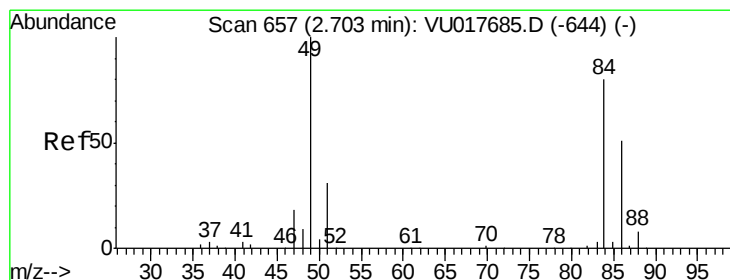
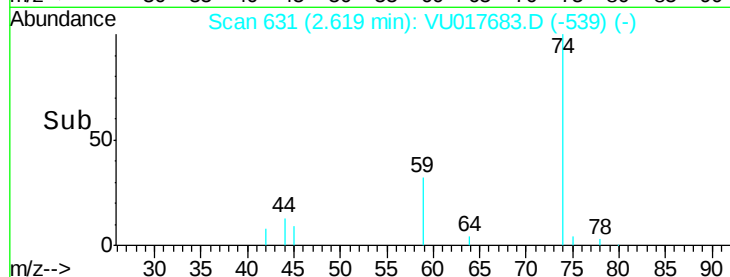
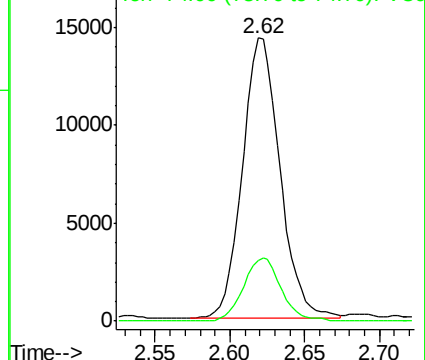
43 100

74 22.4 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VU017683.D (-539) (-)

Ion 74.00 (73.70 to 74.70): VU017683.D (-539) (-)



#16

Methylene chloride

Concen: 5.673 ug/L

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

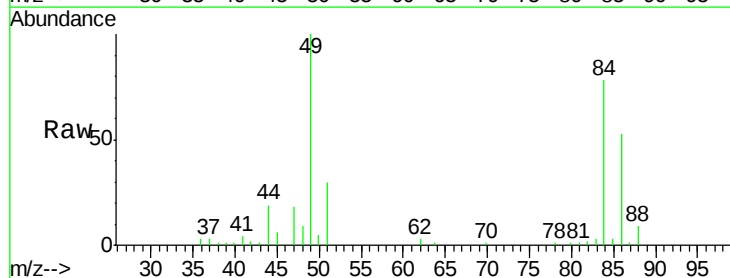
Tgt Ion: 84 Resp: 23791

Ion Ratio Lower Upper

84 100

86 67.2 45.0 83.6

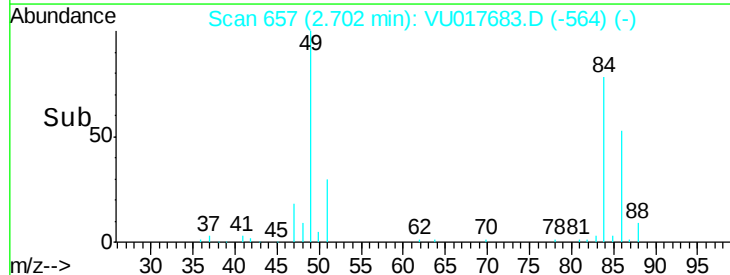
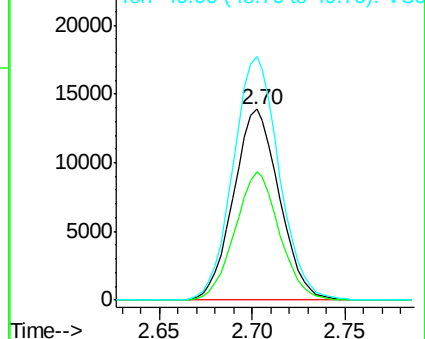
49 127.4 87.6 162.6

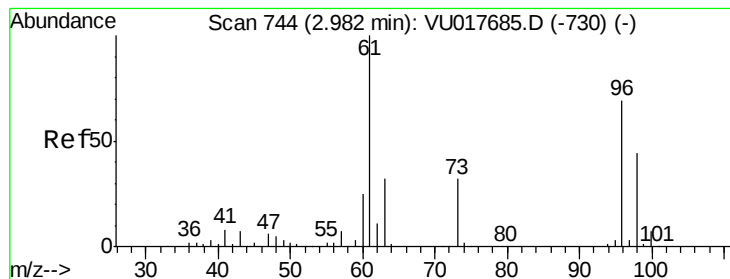


Abundance Ion 84.00 (83.70 to 84.70): VU017683.D (-564) (-)

Ion 86.00 (85.70 to 86.70): VU017683.D (-564) (-)

Ion 49.00 (48.70 to 49.70): VU017683.D (-564) (-)





#17

trans-1,2-Dichloroethene

Concen: 5.253 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

Instrument :

BNA_M

ClientSampleId :

VSTD00514

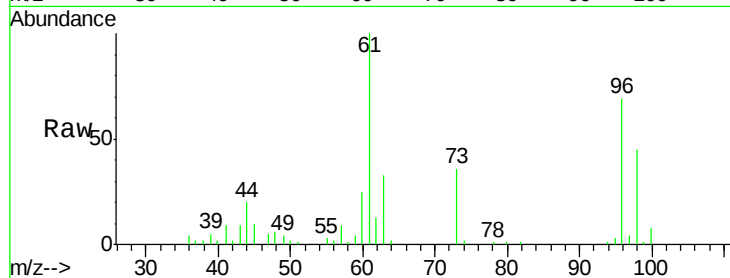
Tgt Ion: 96 Resp: 19652

Ion Ratio Lower Upper

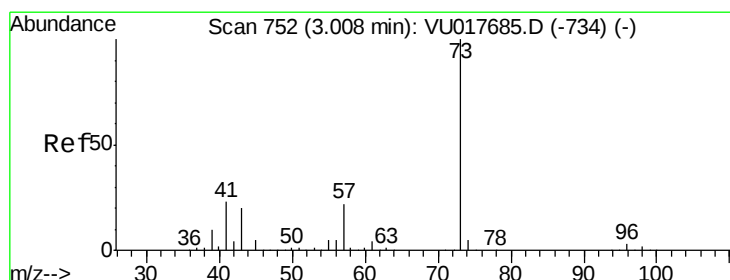
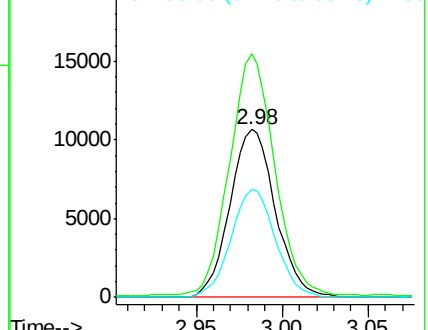
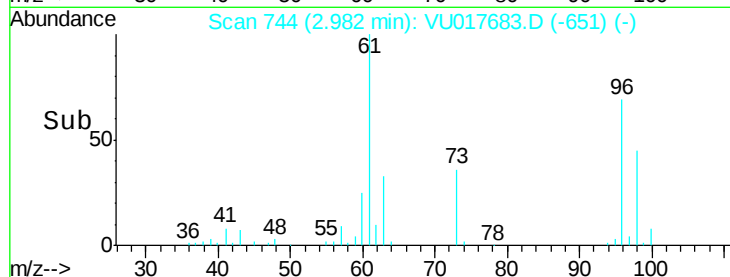
96 100

61 145.3 102.0 189.4

98 64.7 45.0 83.6



Abundance Ion 96.00 (95.70 to 96.70): VU017683.D (-651) (-)



#18

Methyl tert-butyl Ether

Concen: 5.191 ug/L

RT: 3.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

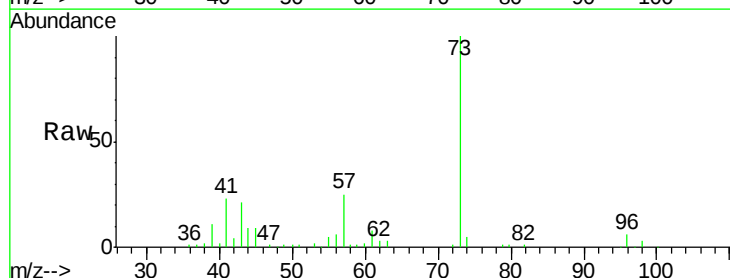
Tgt Ion: 73 Resp: 60229

Ion Ratio Lower Upper

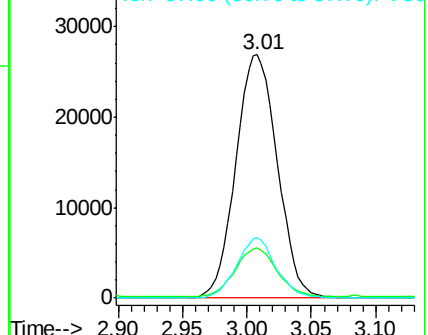
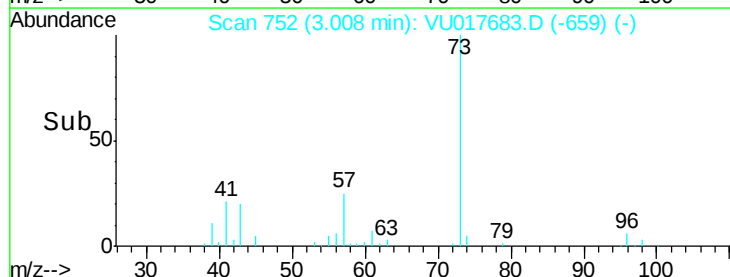
73 100

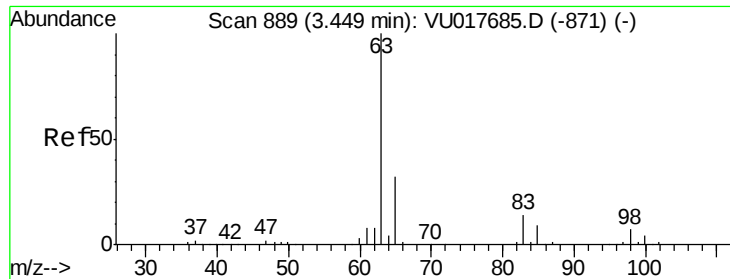
43 20.1 15.8 23.6

57 23.4 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VU017683.D (-659) (-)

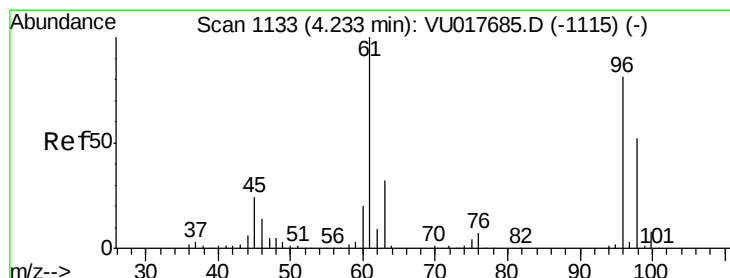
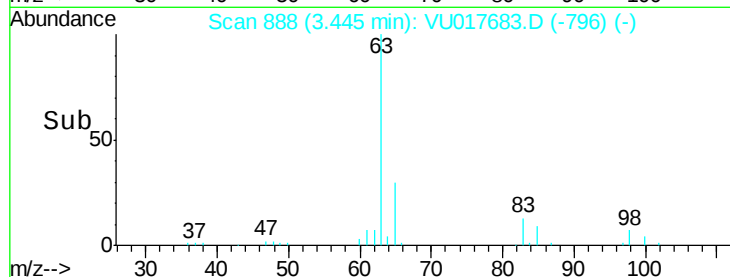
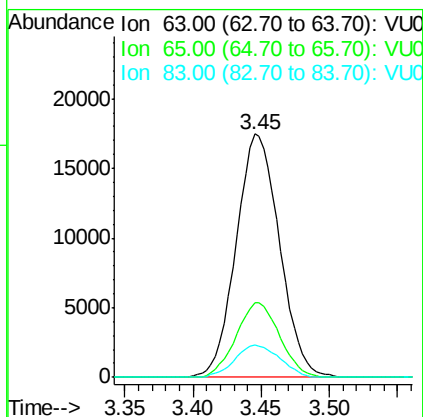
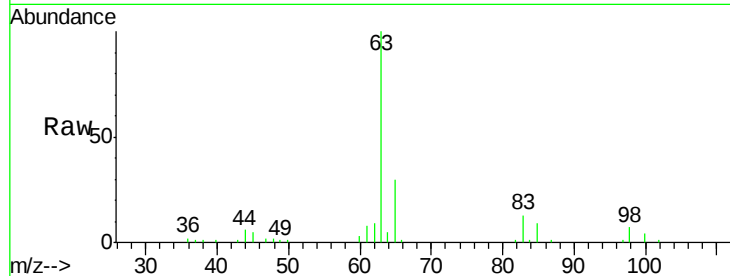




#19
 1,1-Dichloroethane
 Concen: 5.926 ug/L
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU017683.D
 Acq: 24 Jun 2017 11:30

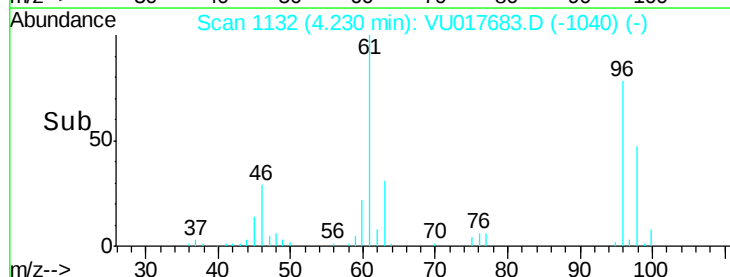
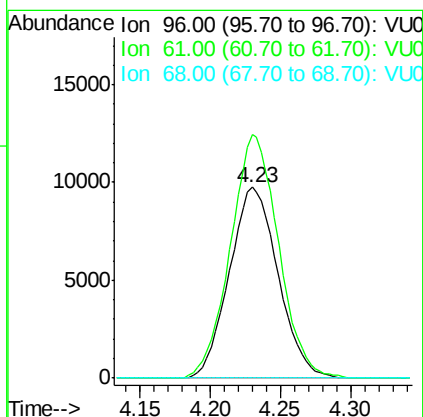
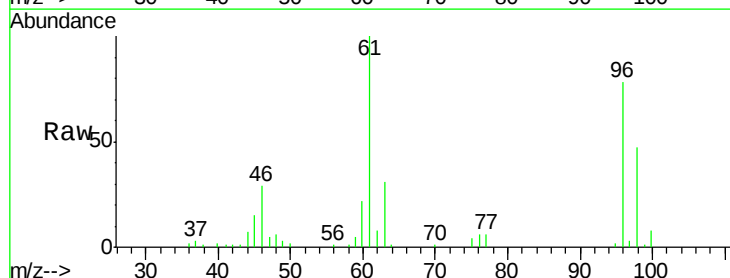
Instrument :
 BNA_M
 ClientSampleId :
 VSTD00514

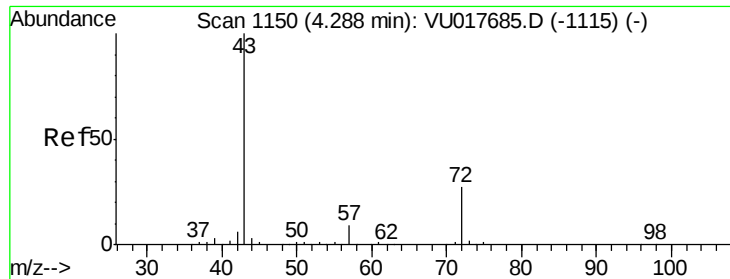
Tgt Ion: 63 Resp: 38560
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.2 41.2
 83 13.1 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 5.408 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU017683.D
 Acq: 24 Jun 2017 11:30

Tgt Ion: 96 Resp: 23516
 Ion Ratio Lower Upper
 96 100
 61 127.6 87.1 161.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 12.155 ug/L

RT: 4.29 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

Instrument :

BNA_M

ClientSampleId :

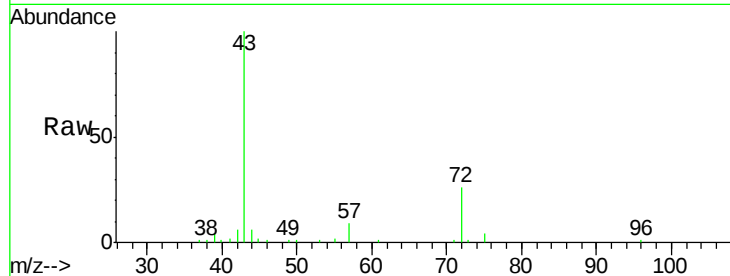
VSTD00514

Tgt Ion: 43 Resp: 36092

Ion Ratio Lower Upper

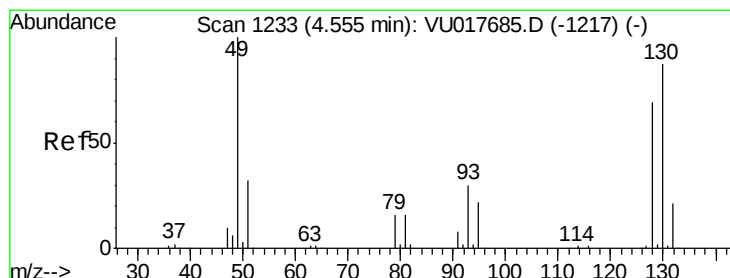
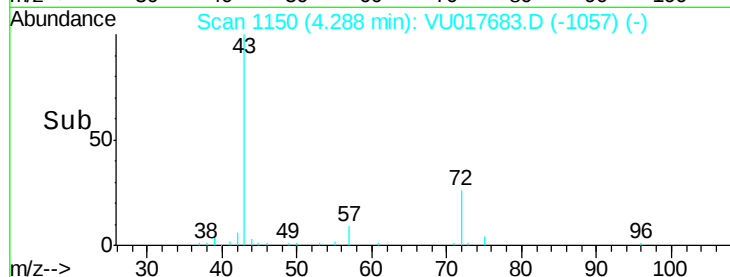
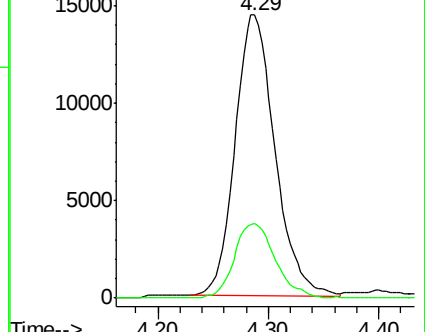
43 100

72 27.3 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU017683.D (-1057) (-)

Ion 72.00 (71.70 to 72.70): VU017683.D (-1057) (-)



#23

Bromochloromethane

Concen: 5.029 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

Tgt Ion: 128 Resp: 11554

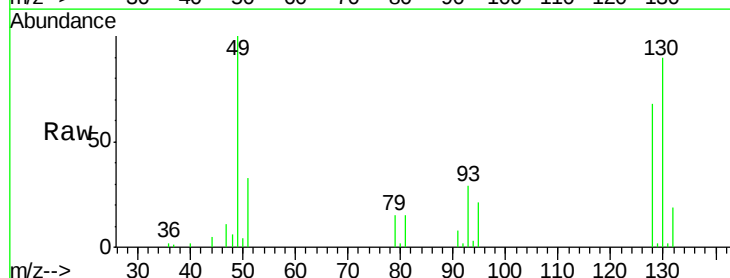
Ion Ratio Lower Upper

128 100

49 147.0 101.6 188.8

130 132.0 88.1 163.5

51 47.8 36.8 55.2

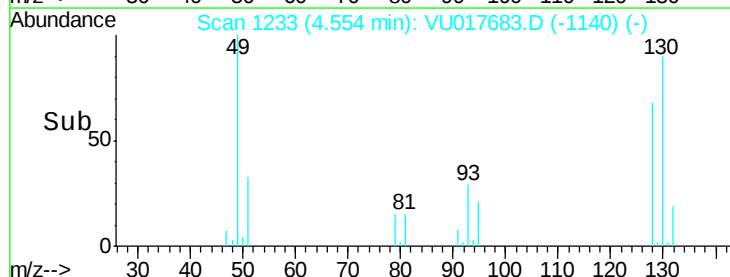
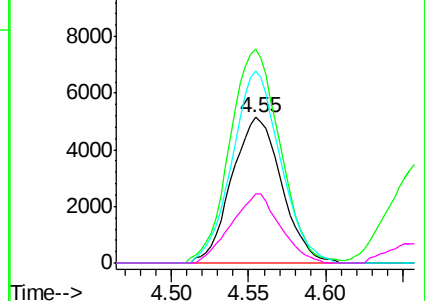


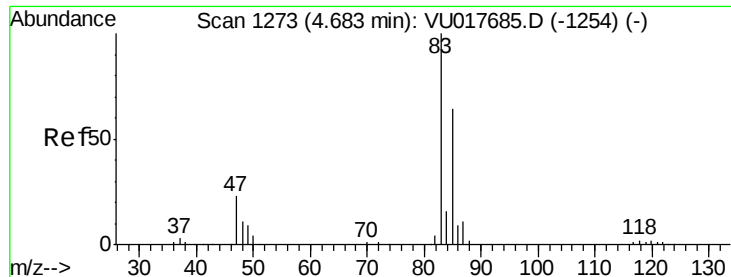
Abundance Ion 128.00 (127.70 to 128.70): VU017683.D (-1140) (-)

Ion 49.00 (48.70 to 49.70): VU017683.D (-1140) (-)

Ion 130.00 (129.70 to 130.70): VU017683.D (-1140) (-)

Ion 51.00 (50.70 to 51.70): VU017683.D (-1140) (-)





#25

Chloroform

Concen: 5.650 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

Instrument :

BNA_M

ClientSampleId :

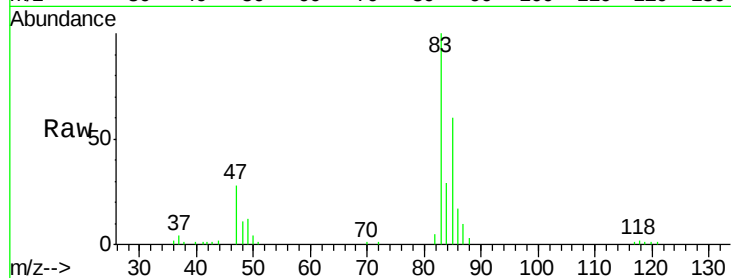
VSTD00514

Tgt Ion: 83 Resp: 40085

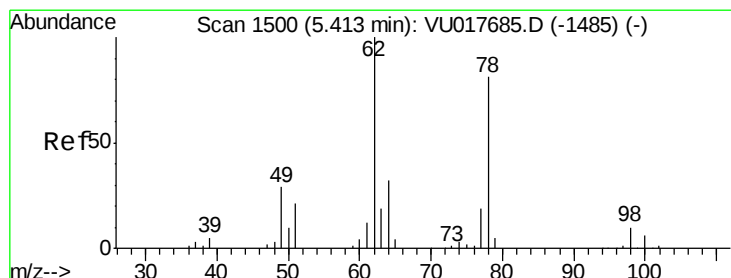
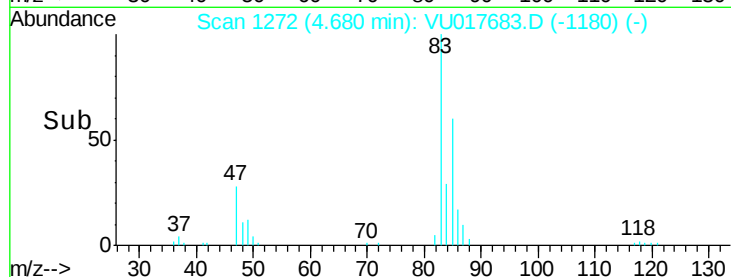
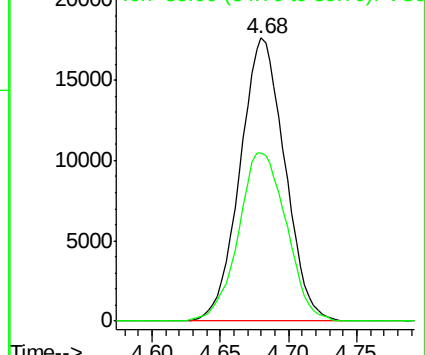
Ion Ratio Lower Upper

83 100

85 59.6 44.9 83.3



Abundance Ion 83.00 (82.70 to 83.70): VU017683.D (-1180) (-)



#27

1,2-Dichloroethane

Concen: 5.879 ug/L

RT: 5.41 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VU017683.D

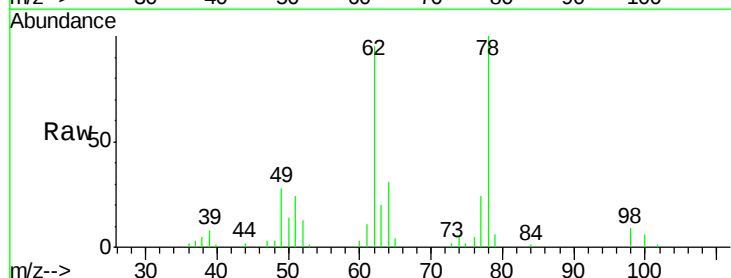
Acq: 24 Jun 2017 11:30

Tgt Ion: 62 Resp: 31215

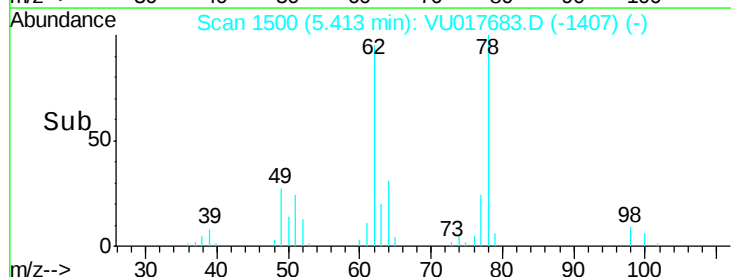
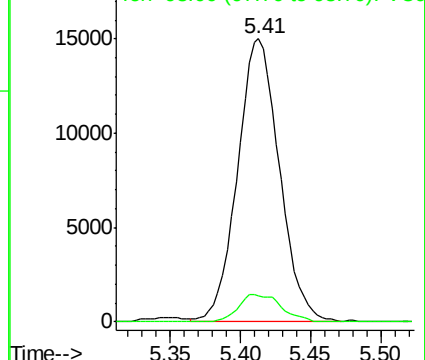
Ion Ratio Lower Upper

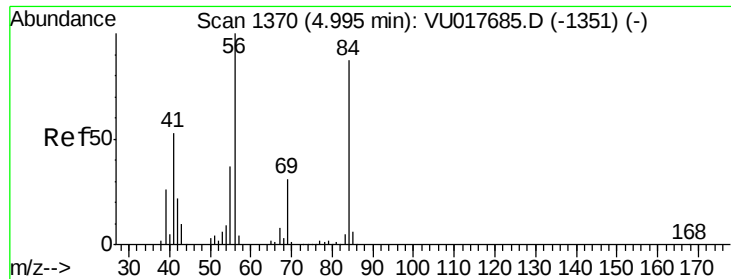
62 100

98 9.4 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VU017683.D (-1407) (-)

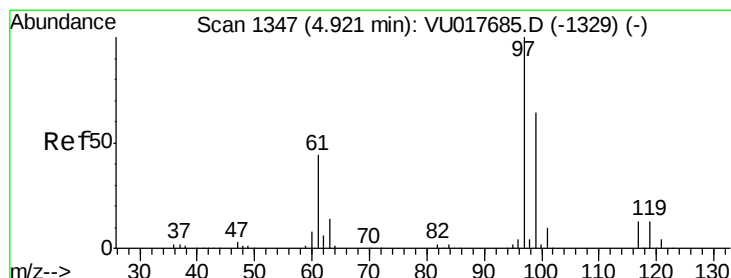
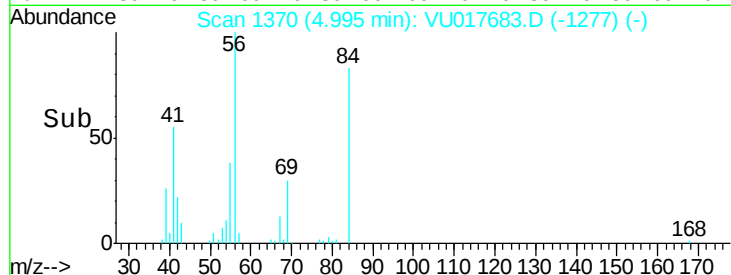
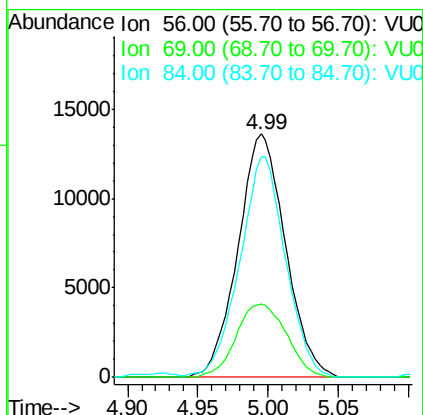
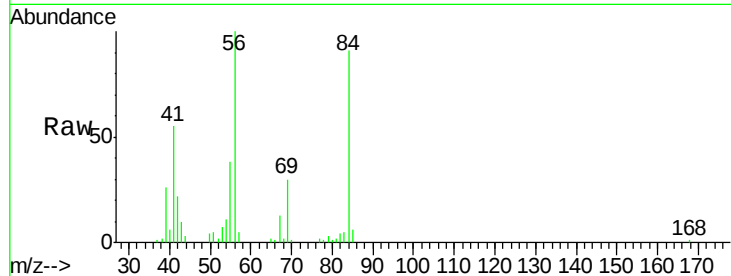




#29
Cyclohexane
Concen: 6.504 ug/L
RT: 4.99 min Scan# 1370
Delta R.T. -0.00 min
Lab File: VU017683.D
Acq: 24 Jun 2017 11:30

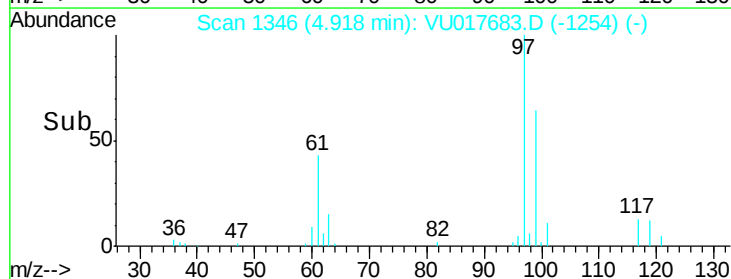
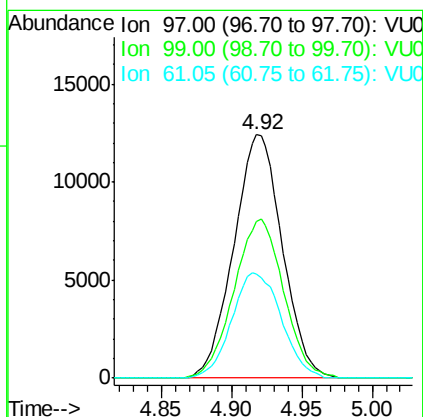
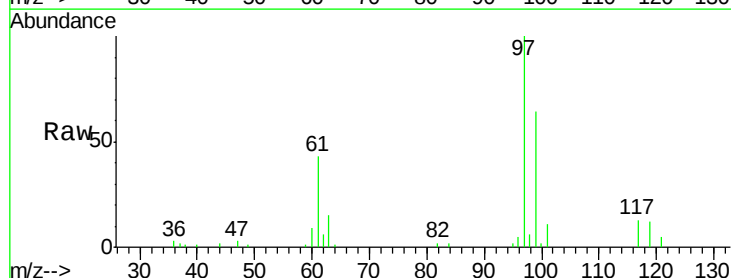
Instrument :
BNA_M
ClientSampleId :
VSTD00514

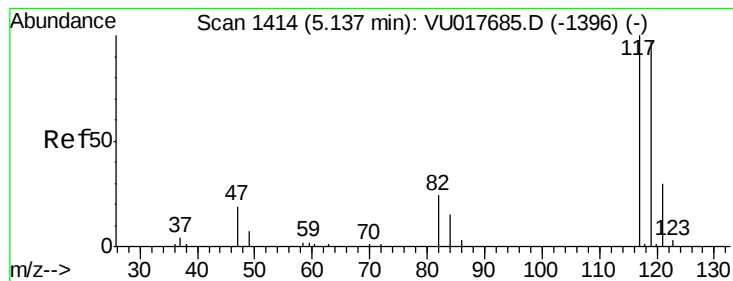
Tgt Ion: 56 Resp: 31987
Ion Ratio Lower Upper
56 100
69 31.9 24.8 37.2
84 87.5 70.1 105.1



#30
1,1,1-Trichloroethane
Concen: 5.388 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU017683.D
Acq: 24 Jun 2017 11:30

Tgt Ion: 97 Resp: 29806
Ion Ratio Lower Upper
97 100
99 67.0 51.8 77.6
61 44.3 35.8 53.8





#31

Carbon tetrachloride

Concen: 5.323 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

Instrument :

BNA_M

ClientSampleId :

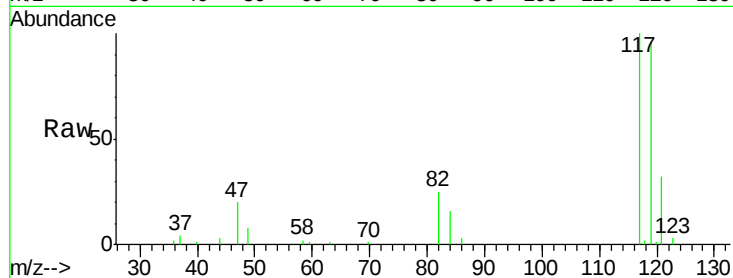
VSTD00514

Tgt Ion:117 Resp: 24840

Ion Ratio Lower Upper

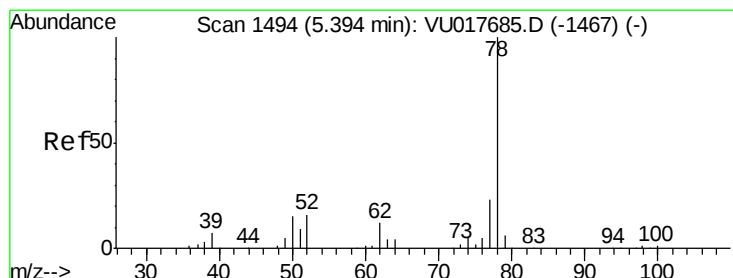
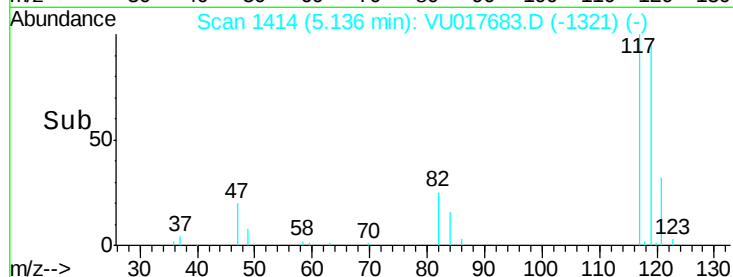
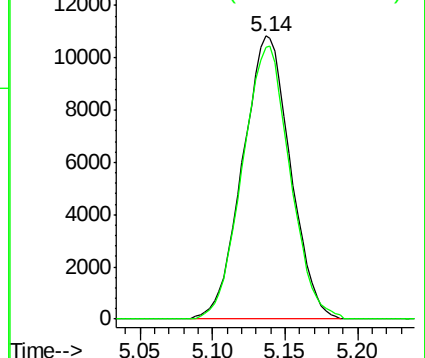
117 100

119 96.0 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: 5.974 ug/L

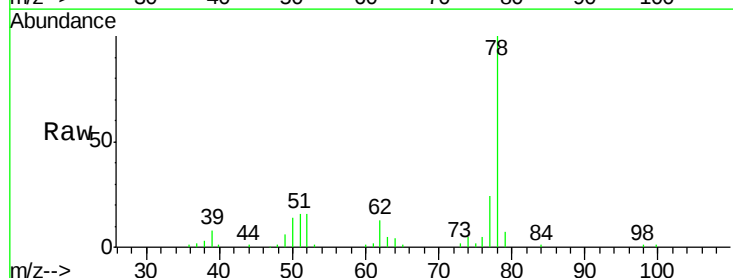
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

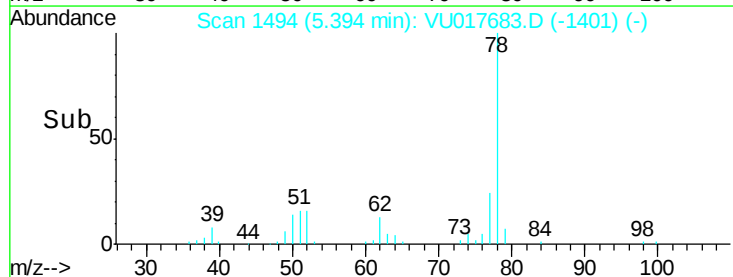
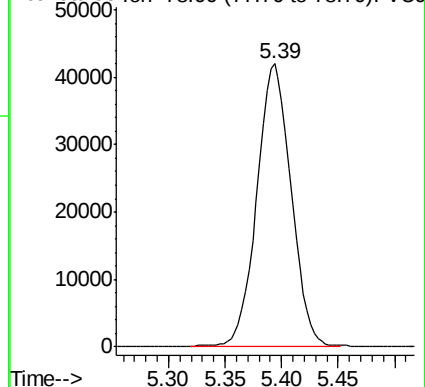
Lab File: VU017683.D

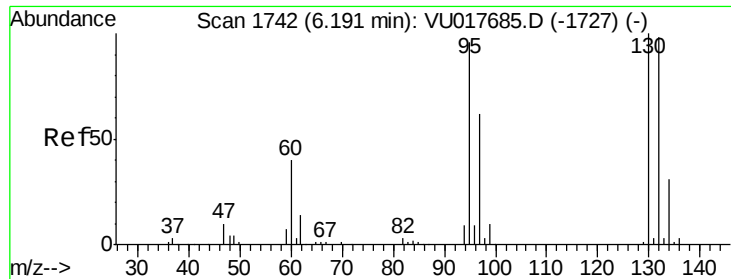
Acq: 24 Jun 2017 11:30

Tgt Ion: 78 Resp: 88477



Abundance Ion 78.00 (77.70 to 78.70): VU0

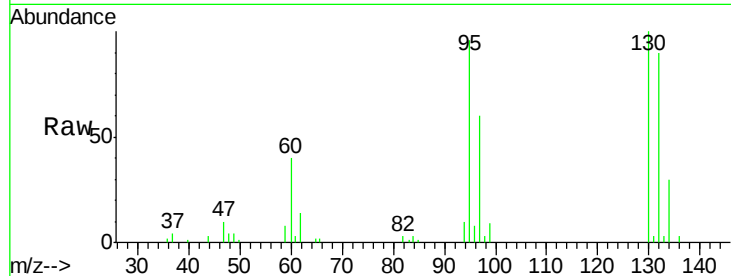




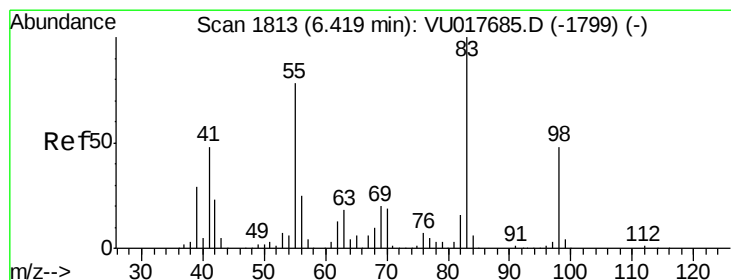
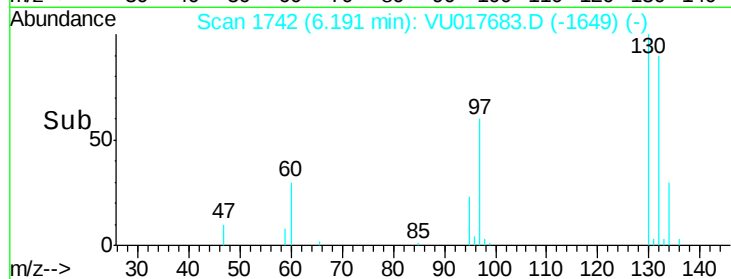
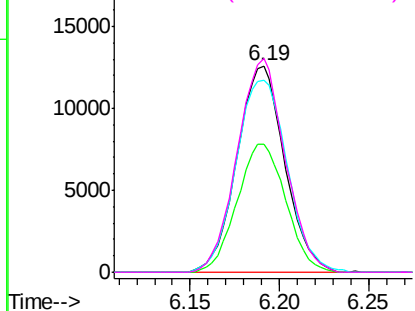
#34
 Trichloroethene
 Concen: 5.681 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU017683.D
 Acq: 24 Jun 2017 11:30

Instrument :
 BNA_M
 ClientSampleId :
 VSTD00514

Tgt Ion:	95	Resp:	23493
Ion	Ratio	Lower	Upper
95	100		
97	62.3	45.8	85.0
132	93.4	71.5	132.9
130	103.6	73.2	136.0

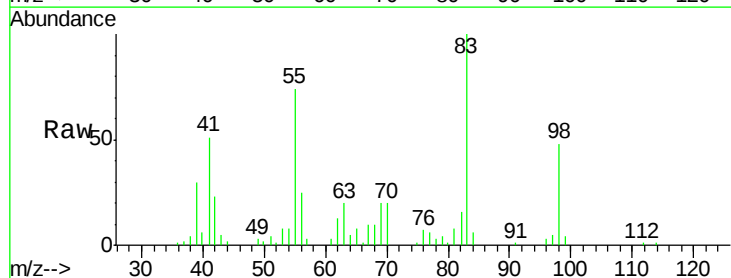


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

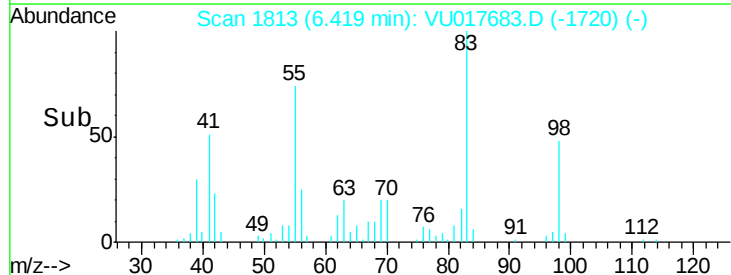
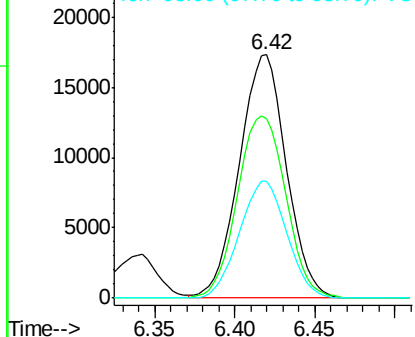


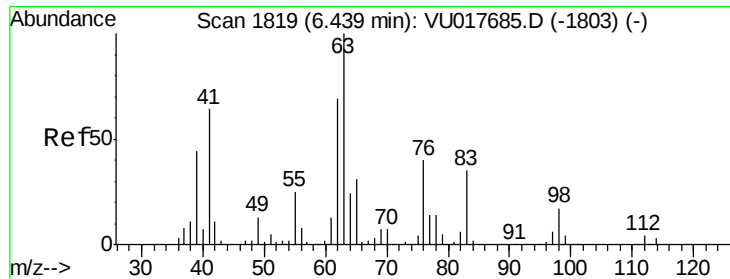
#35
 Methylcyclohexane
 Concen: 5.987 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU017683.D
 Acq: 24 Jun 2017 11:30

Tgt Ion:	83	Resp:	34887
Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.8	92.6
98	48.2	37.8	56.8



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

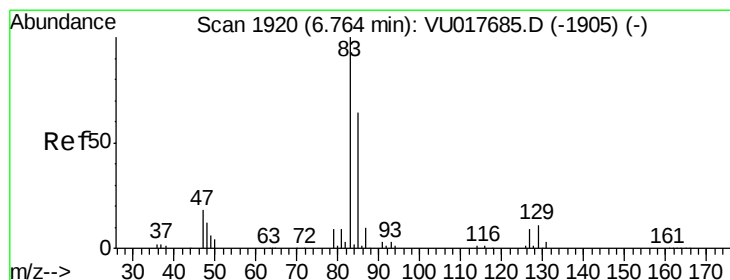
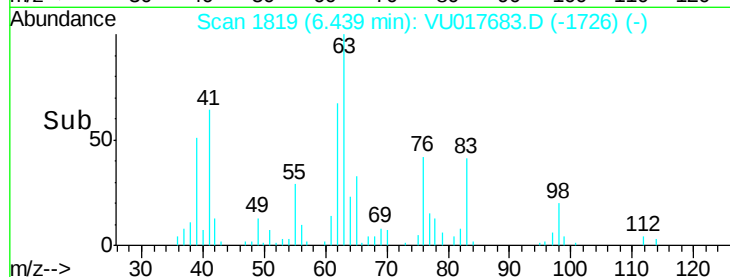
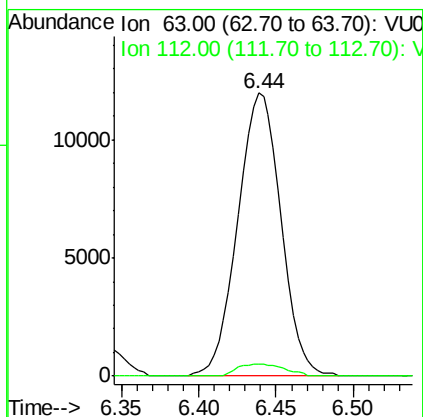
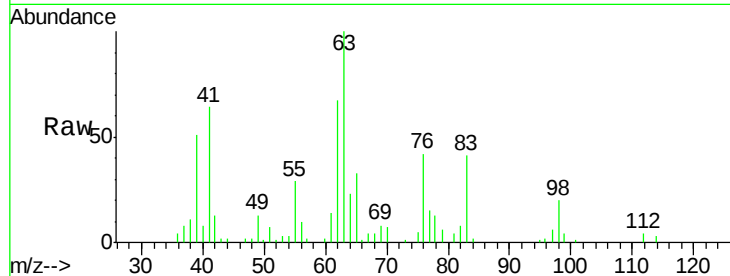




#37
 1,2-Dichloropropane
 Concen: 6.289 ug/L
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU017683.D
 Acq: 24 Jun 2017 11:30

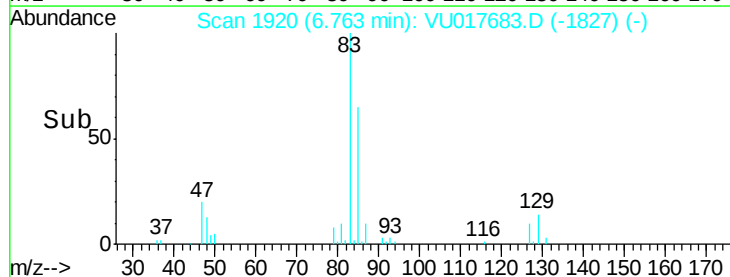
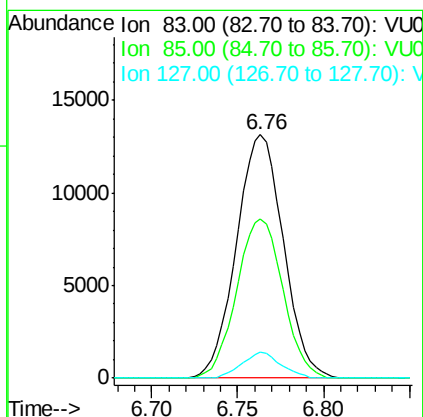
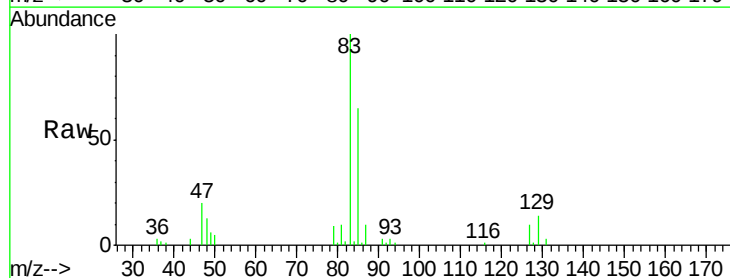
Instrument :
 BNA_M
 ClientSampleId :
 VSTD00514

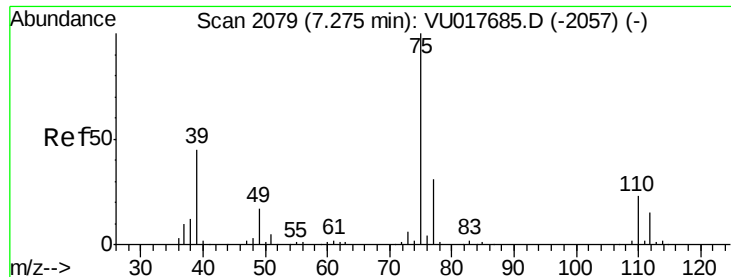
Tgt Ion: 63 Resp: 23291
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.343 ug/L
 RT: 6.76 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU017683.D
 Acq: 24 Jun 2017 11:30

Tgt Ion: 83 Resp: 24969
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.9 83.3
 127 10.4 7.0 10.4#

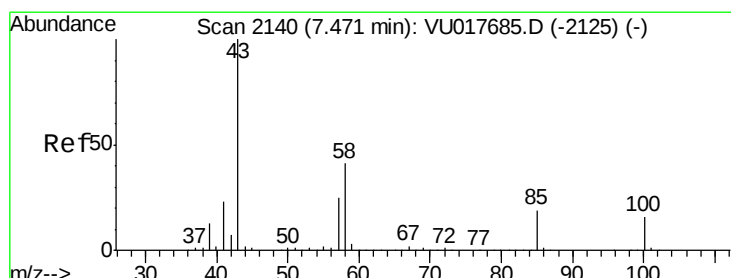
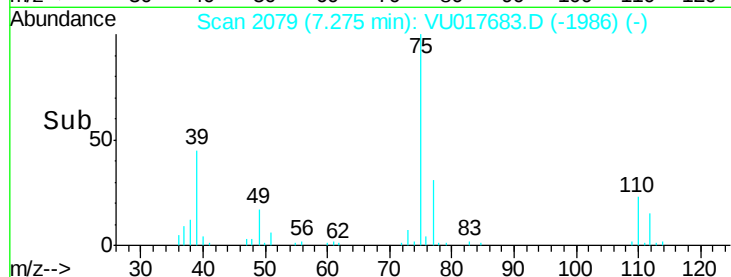
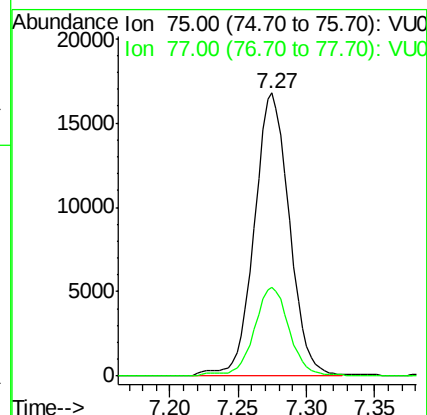
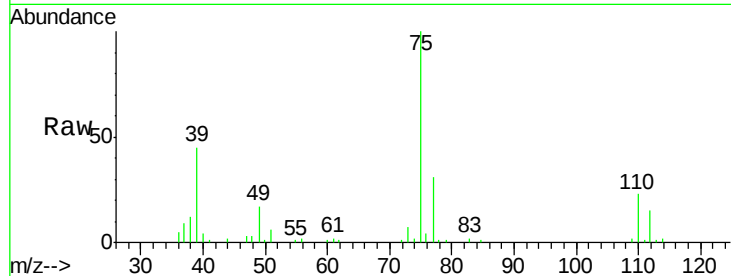




#39
 cis-1,3-Dichloropropene
 Concen: 5.370 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VU017683.D
 Acq: 24 Jun 2017 11:30

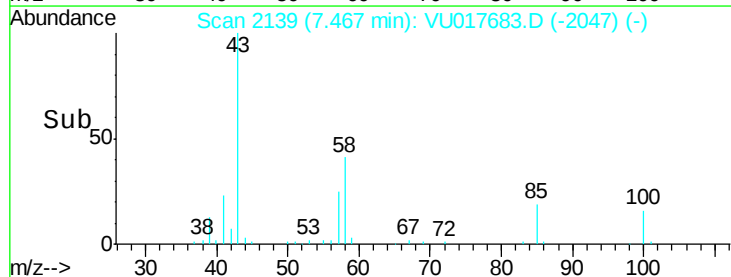
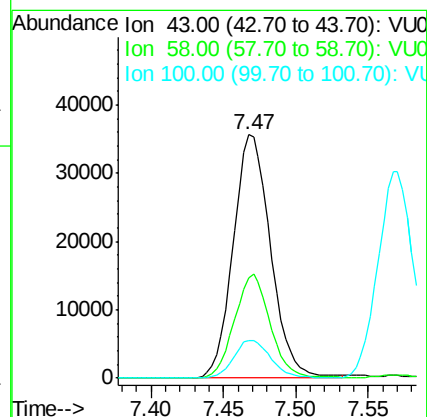
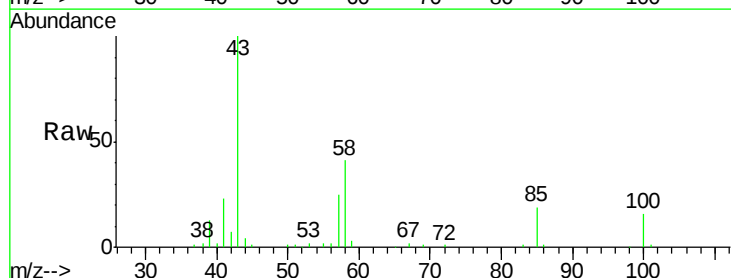
Instrument :
 BNA_M
 ClientSampleId :
 VSTD00514

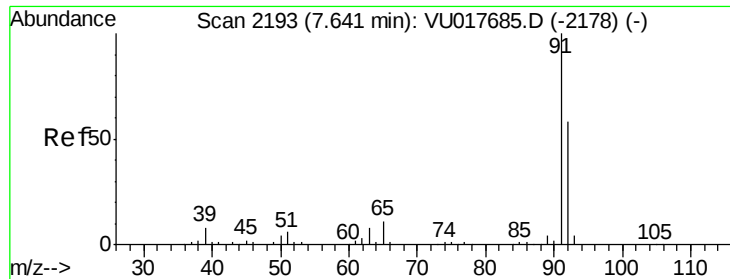
Tgt Ion: 75 Resp: 30017
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 13.709 ug/L
 RT: 7.47 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VU017683.D
 Acq: 24 Jun 2017 11:30

Tgt Ion: 43 Resp: 63953
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.3 48.5
 100 15.3 12.6 19.0





#42

Toluene

Concen: 5.687 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

Instrument :

BNA_M

ClientSampleId :

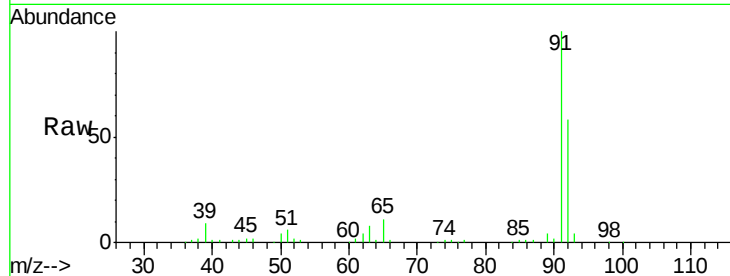
VSTD00514

Tgt Ion: 91 Resp: 95199

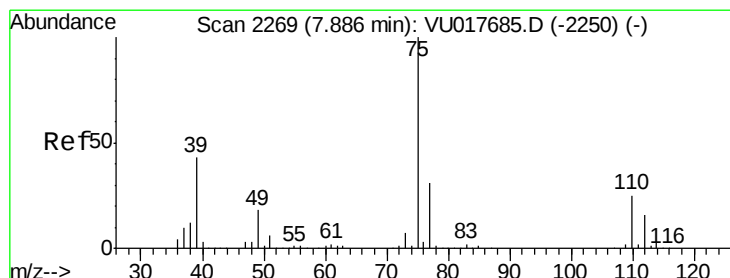
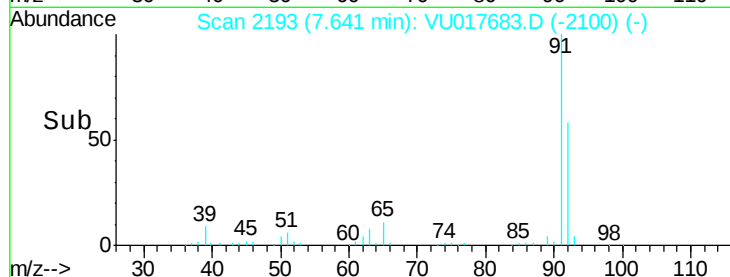
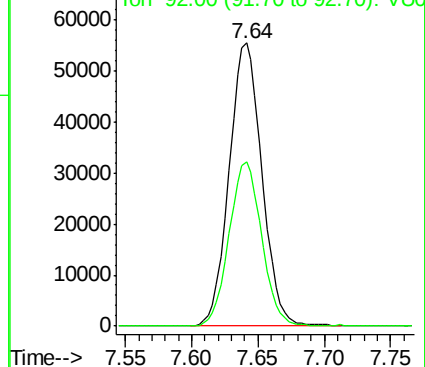
Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VU017683.D (-2178) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.023 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VU017683.D

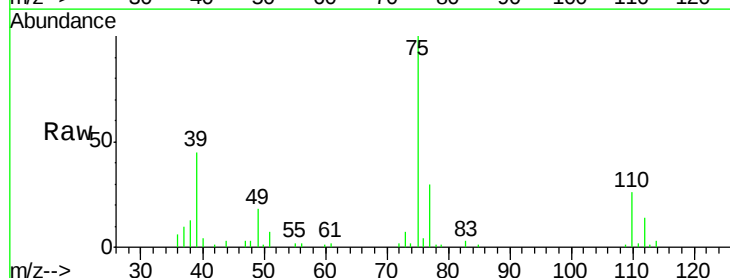
Acq: 24 Jun 2017 11:30

Tgt Ion: 75 Resp: 25133

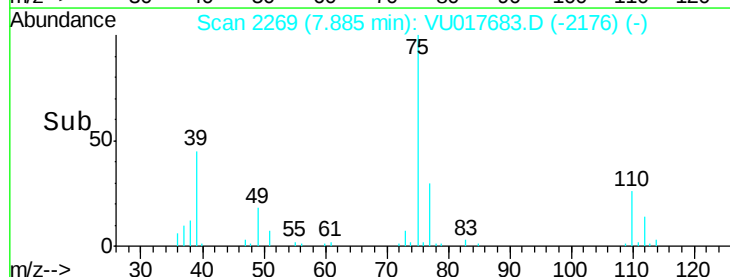
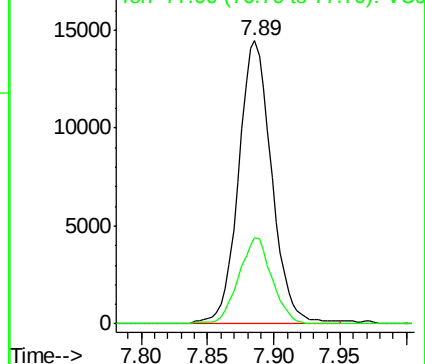
Ion Ratio Lower Upper

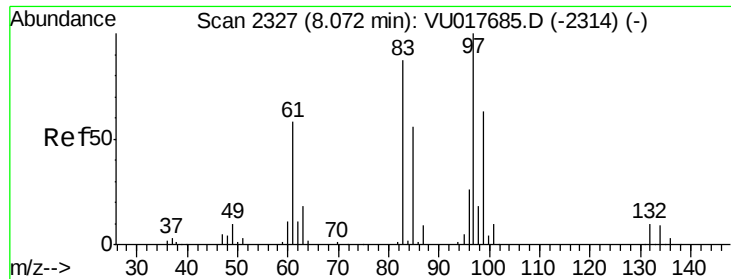
75 100

77 30.3 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU017683.D (-2176) (-)

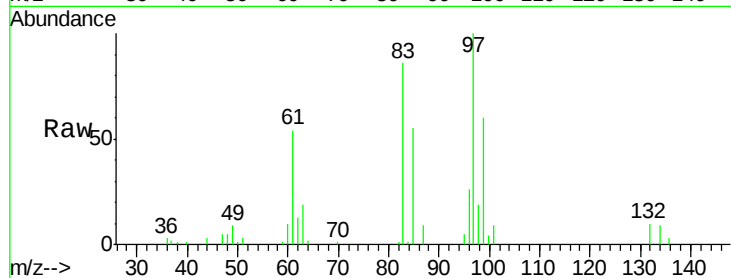




#45
 1,1,2-Trichloroethane
 Concen: 5.502 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. -0.00 min
 Lab File: VU017683.D
 Acq: 24 Jun 2017 11:30

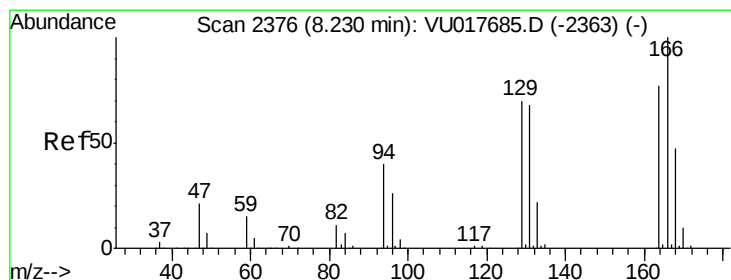
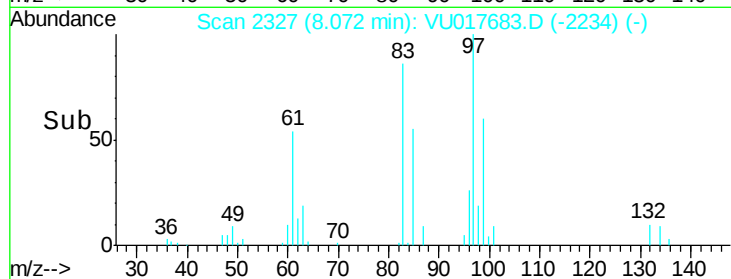
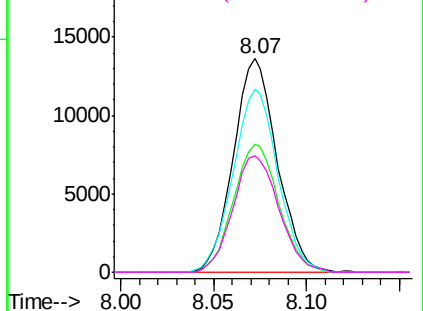
Instrument :
 BNA_M
 ClientSampleId :
 VSTD00514

Tgt Ion:	97	Resp:	22365
Ion	Ratio	Lower	Upper
97	100		
99	60.2	43.8	81.3
83	86.0	60.8	113.0
85	54.6	39.4	73.2



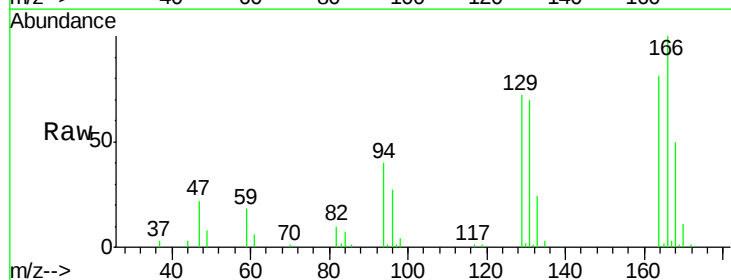
Abundance

Ion 97.00 (96.70 to 97.70): VU017683.D (-2234) (-)



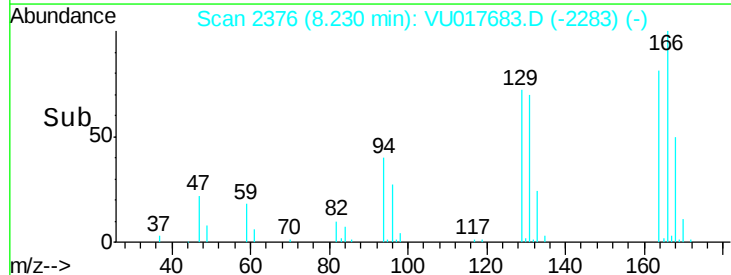
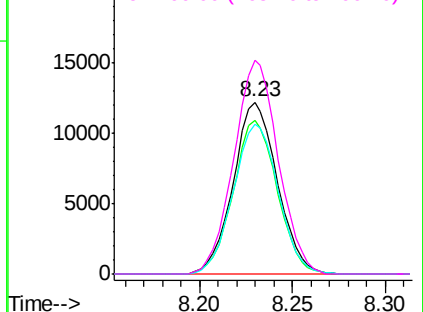
#46
 Tetrachloroethene
 Concen: 5.409 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU017683.D
 Acq: 24 Jun 2017 11:30

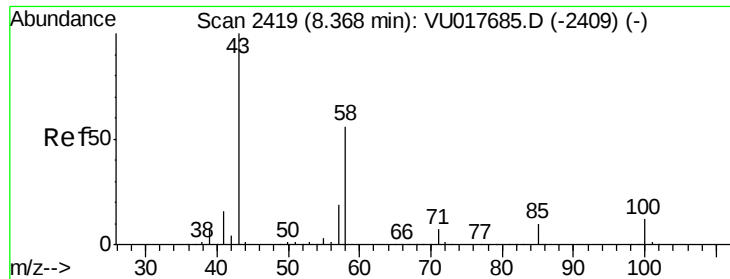
Tgt Ion:	164	Resp:	20235
Ion	Ratio	Lower	Upper
164	100		
129	89.6	63.6	118.2
131	87.0	62.0	115.2
166	124.1	90.9	168.9



Abundance

Ion 164.00 (163.70 to 164.70): VU017683.D (-2283) (-)

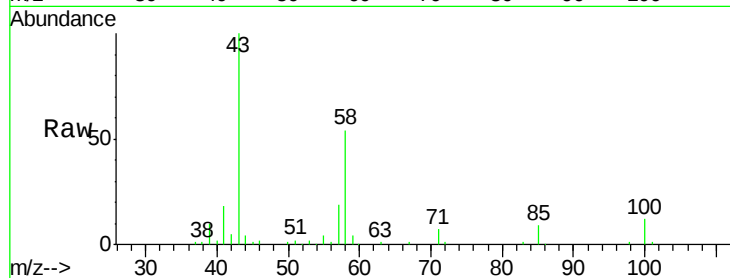




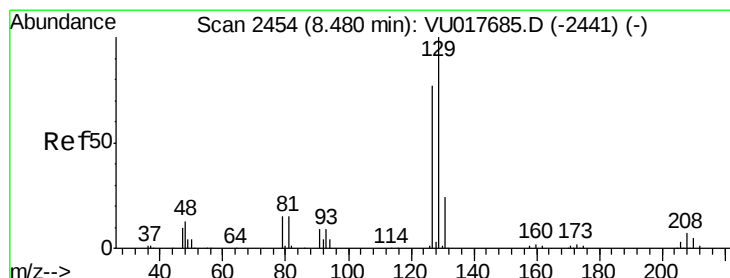
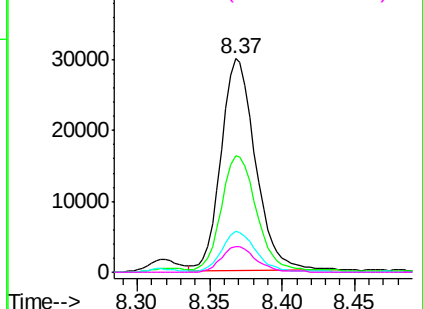
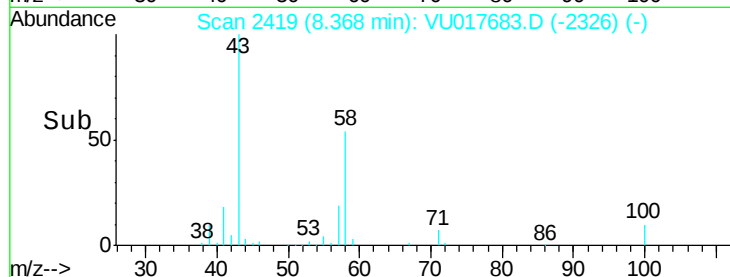
#48
2-Hexanone
Concen: 12.656 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. -0.00 min
Lab File: VU017683.D
Acq: 24 Jun 2017 11:30

Instrument :
BNA_M
ClientSampleId :
VSTD00514

Tgt Ion: 43 Resp: 49352
Ion Ratio Lower Upper
43 100
58 55.1 45.4 68.2
57 18.0 15.4 23.0
100 12.3 9.7 14.5

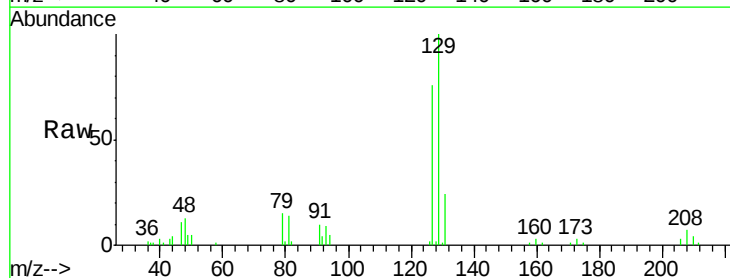


Abundance Ion 43.00 (42.70 to 43.70): VU017683.D (-2326) (-)
Ion 58.00 (57.70 to 58.70): VU017683.D (-2326) (-)
Ion 57.00 (56.70 to 57.70): VU017683.D (-2326) (-)
Ion 100.00 (99.70 to 100.70): VU017683.D (-2326) (-)

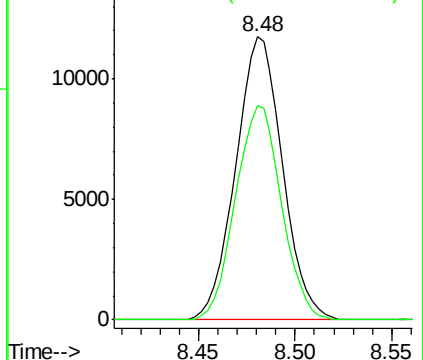
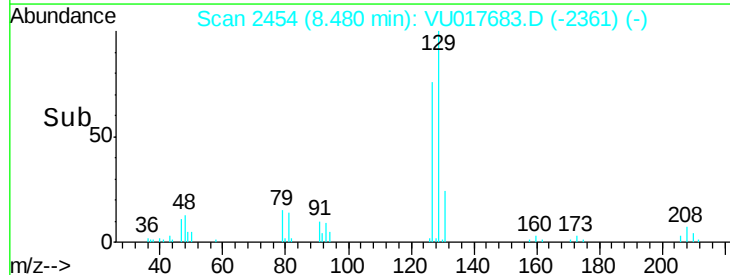


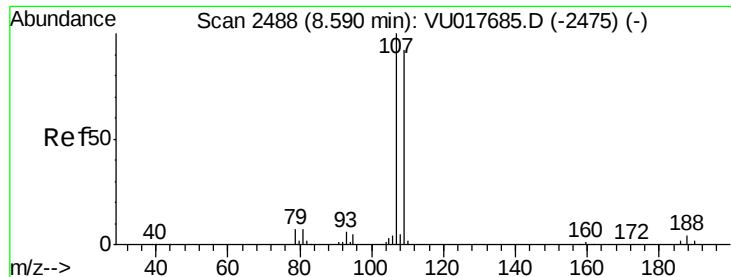
#49
Dibromochloromethane
Concen: 4.842 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU017683.D
Acq: 24 Jun 2017 11:30

Tgt Ion: 129 Resp: 19805
Ion Ratio Lower Upper
129 100
127 75.6 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VU017683.D (-2361) (-)
Ion 127.00 (126.70 to 127.70): VU017683.D (-2361) (-)

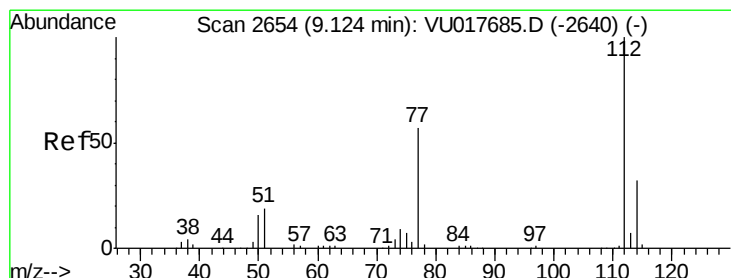
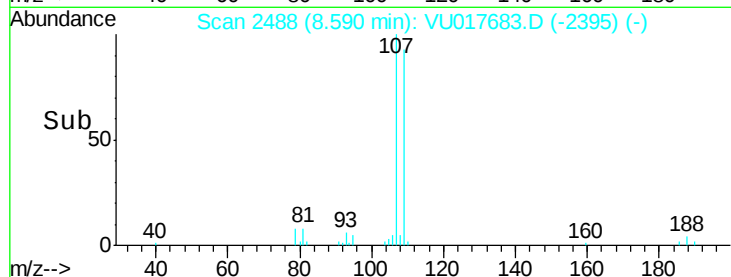
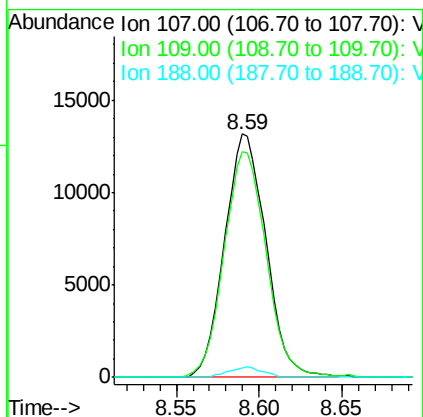
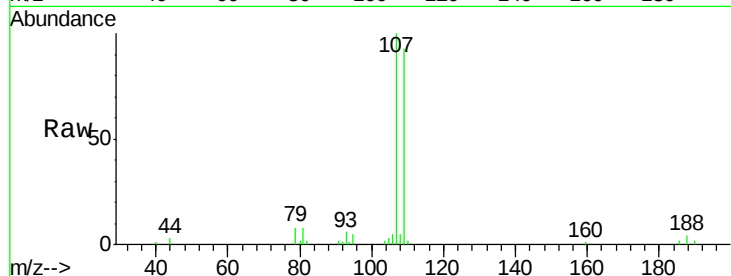




#50
1,2-Dibromoethane
Concen: 5.228 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU017683.D
Acq: 24 Jun 2017 11:30

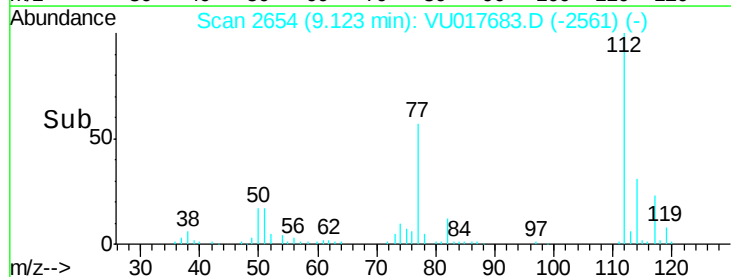
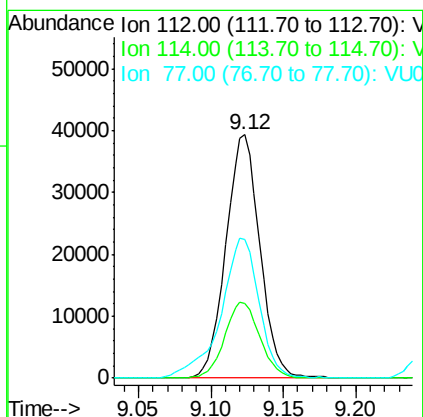
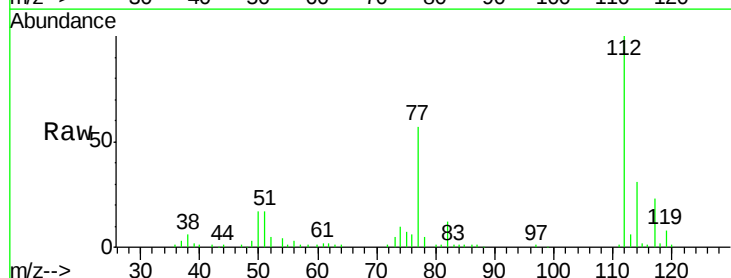
Instrument :
BNA_M
ClientSampleId :
VSTD00514

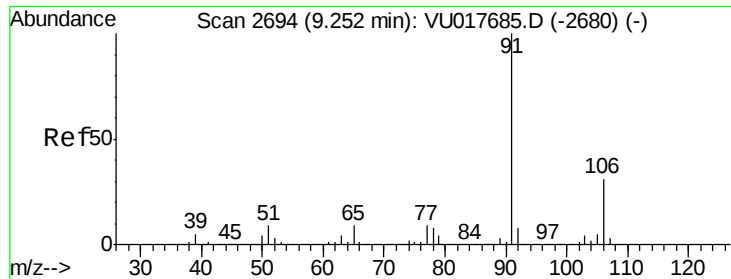
Tgt Ion:107 Resp: 22828
Ion Ratio Lower Upper
107 100
109 92.8 64.8 120.3
188 4.1 3.3 4.9



#51
Chlorobenzene
Concen: 5.574 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU017683.D
Acq: 24 Jun 2017 11:30

Tgt Ion:112 Resp: 63938
Ion Ratio Lower Upper
112 100
114 30.7 22.7 42.1
77 57.0 45.6 68.4





#52

Ethylbenzene

Concen: 5.622 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

Instrument :

BNA_M

ClientSampleId :

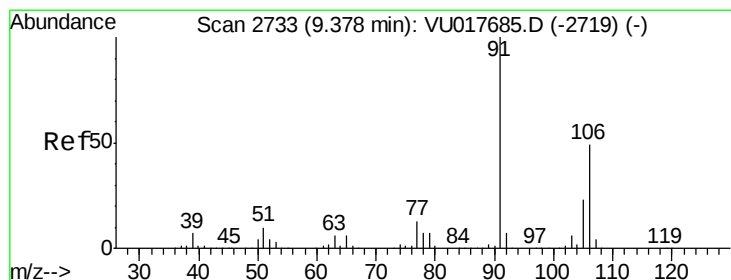
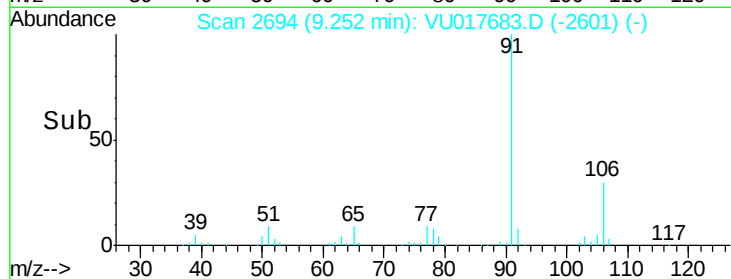
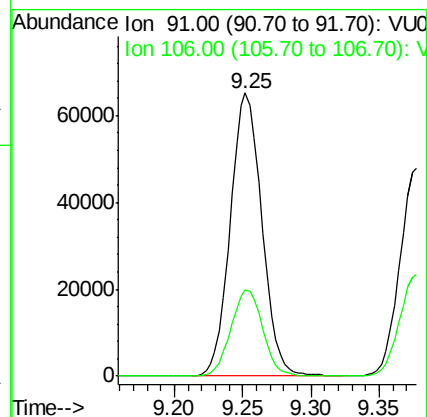
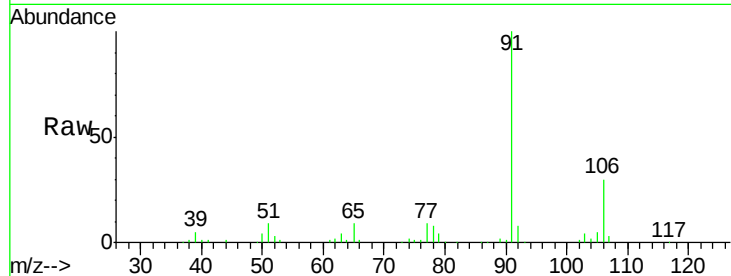
VSTD00514

Tgt Ion: 91 Resp: 104891

Ion Ratio Lower Upper

91 100

106 30.3 21.7 40.3



#53

m,p-Xylene

Concen: 5.508 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU017683.D

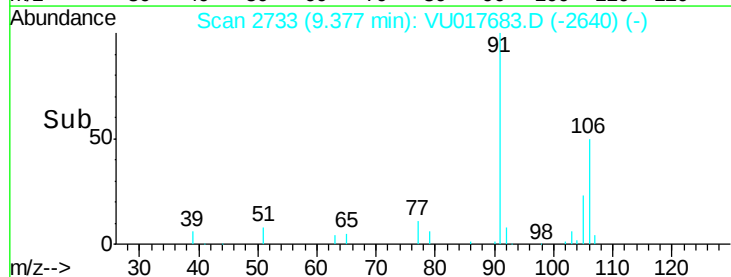
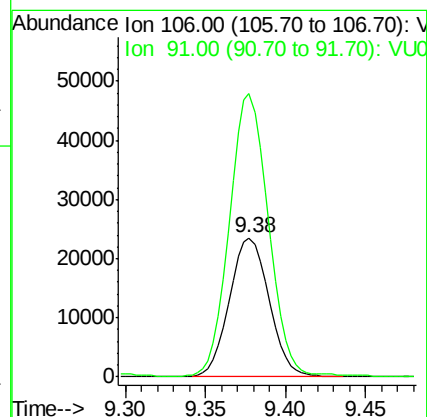
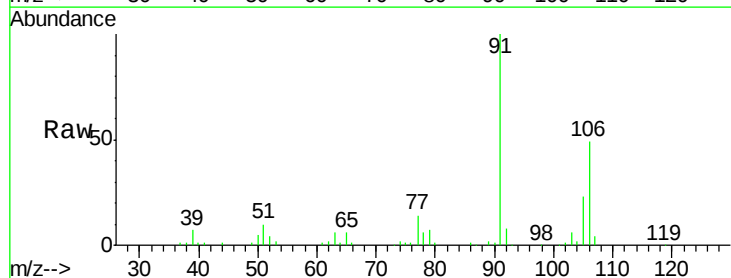
Acq: 24 Jun 2017 11:30

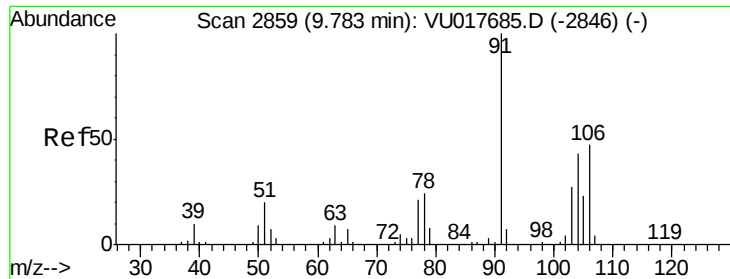
Tgt Ion: 106 Resp: 39802

Ion Ratio Lower Upper

106 100

91 203.4 142.4 264.4





#54

o-xylene

Concen: 5.323 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

Instrument :

BNA_M

ClientSampleId :

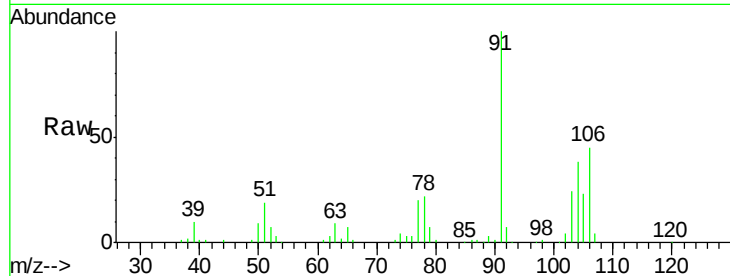
VSTD00514

Tgt Ion:106 Resp: 37955

Ion Ratio Lower Upper

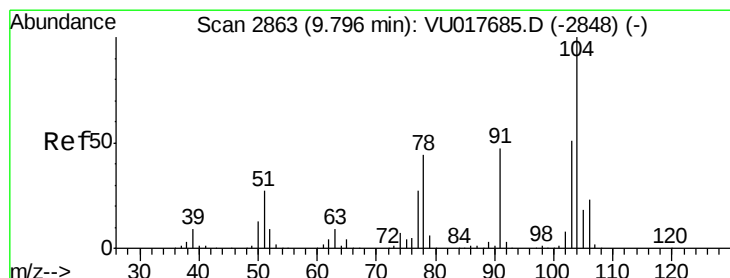
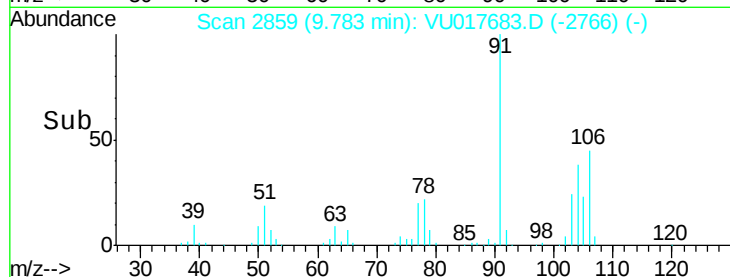
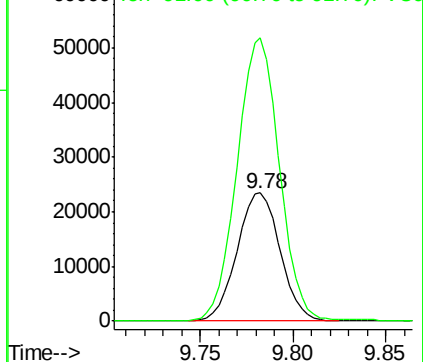
106 100

91 220.9 149.6 277.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 5.260 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU017683.D

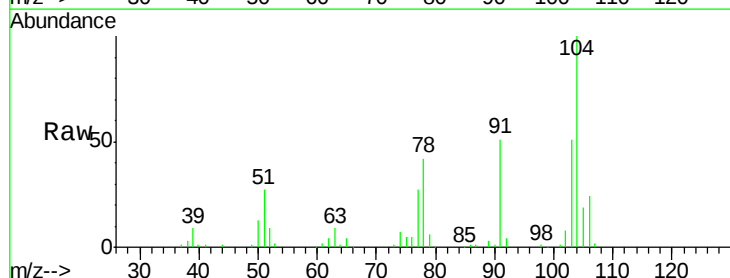
Acq: 24 Jun 2017 11:30

Tgt Ion:104 Resp: 65594

Ion Ratio Lower Upper

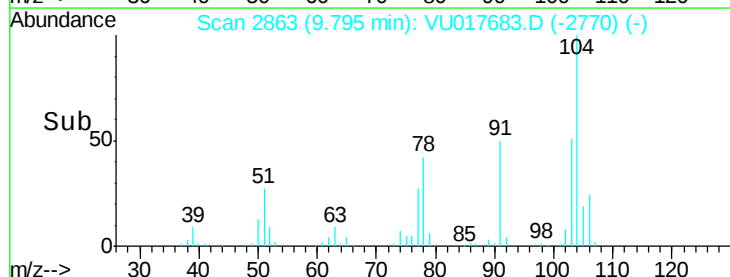
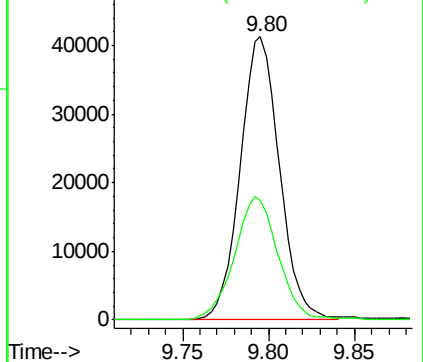
104 100

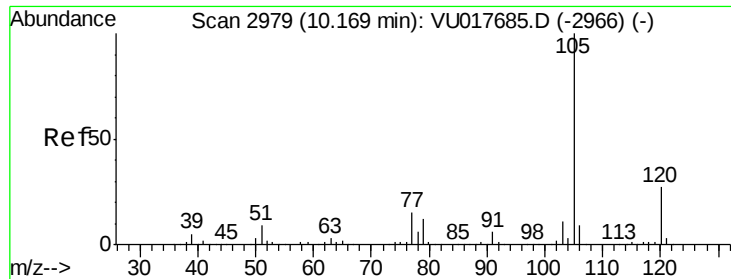
78 42.4 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 5.285 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

Instrument :

BNA_M

ClientSampleId :

VSTD00514

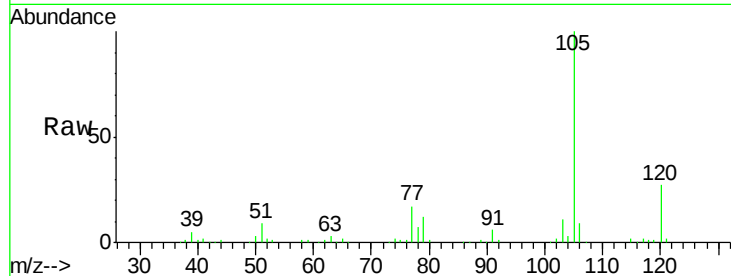
Tgt Ion: 105 Resp: 98510

Ion Ratio Lower Upper

105 100

120 27.0 21.3 31.9

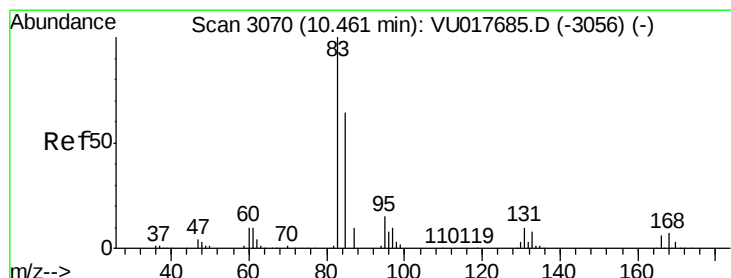
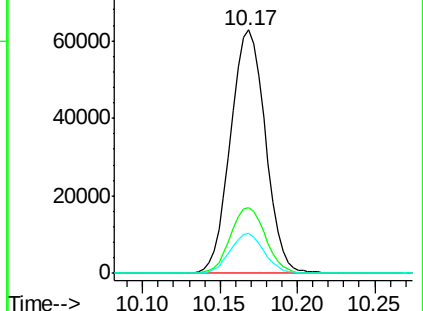
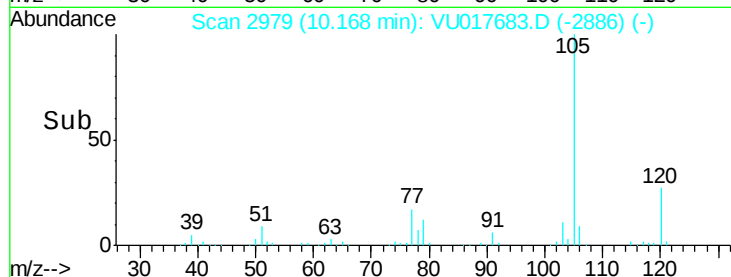
77 16.0 12.3 18.5



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: 5.590 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

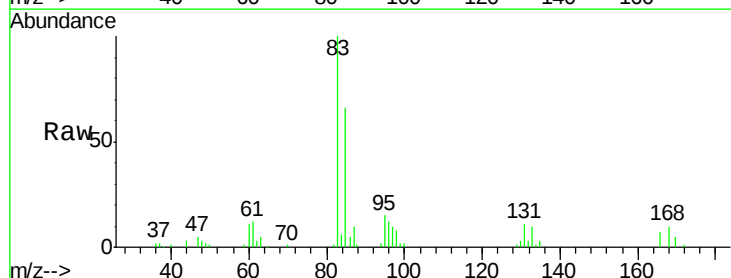
Tgt Ion: 83 Resp: 36979

Ion Ratio Lower Upper

83 100

85 65.8 44.9 83.5

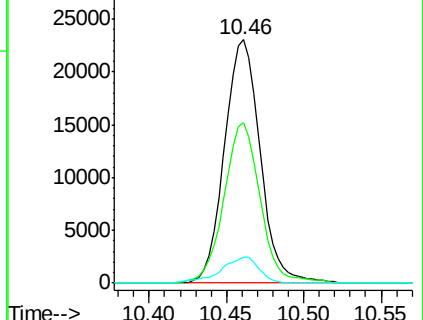
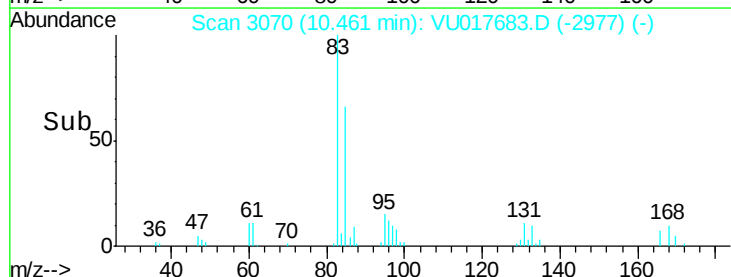
131 10.7 8.2 12.2

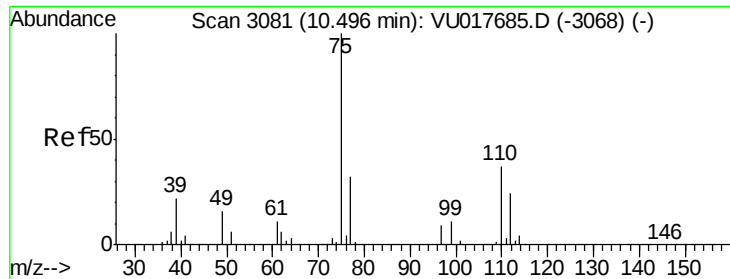


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

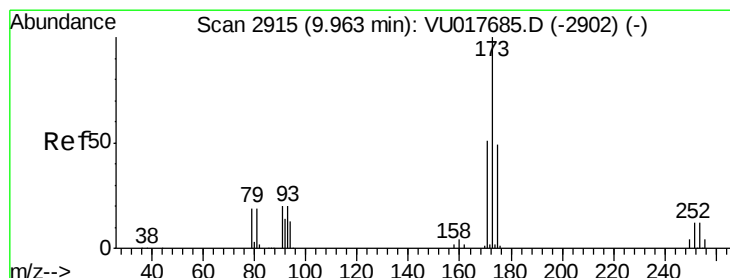
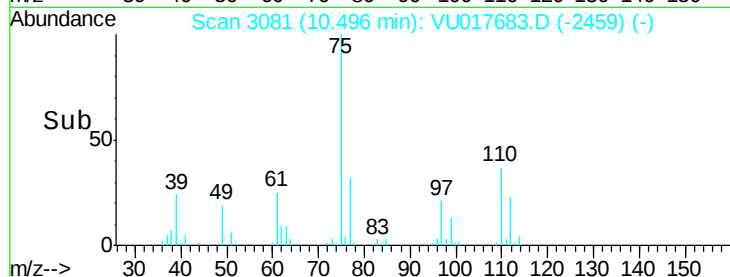
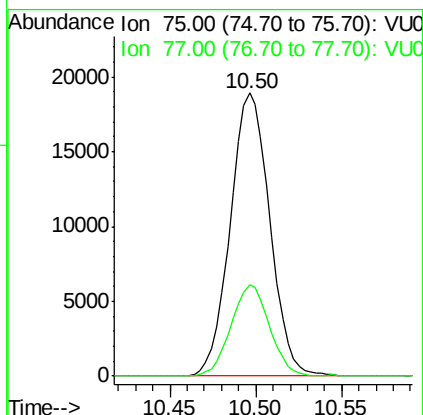
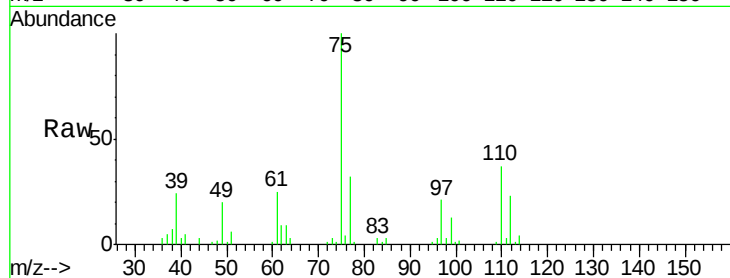




#59
 1,2,3-Trichloropropane
 Concen: 5.982 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU017683.D
 Acq: 24 Jun 2017 11:30

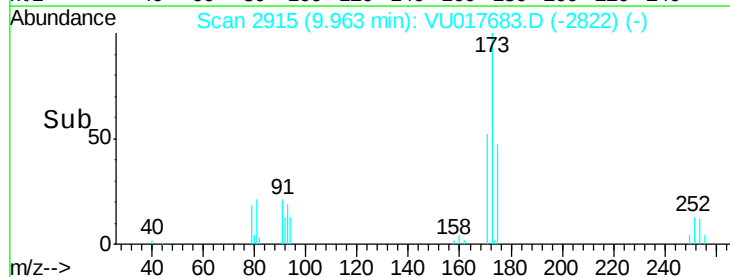
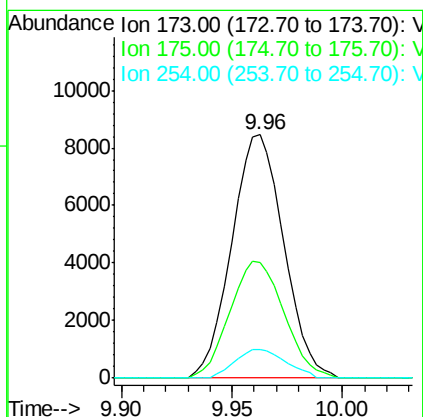
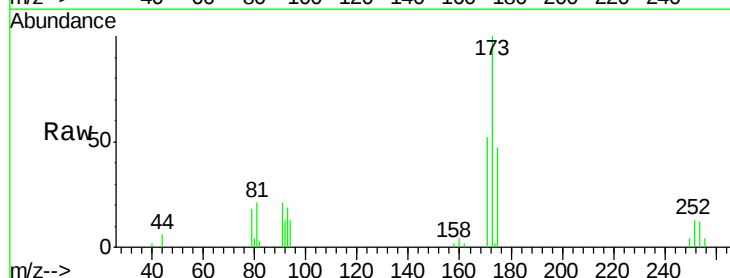
Instrument :
 BNA_M
 ClientSampleId :
 VSTD00514

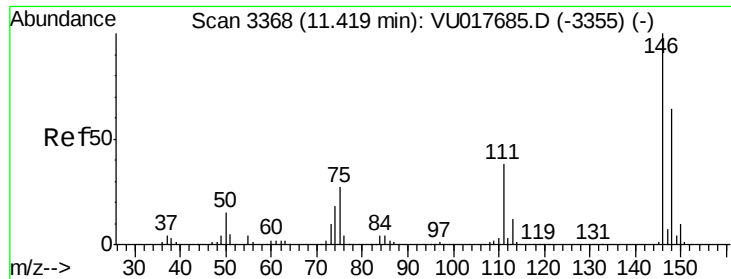
Tgt Ion: 75 Resp: 30359
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.7 38.5



#61
 Bromoform
 Concen: 4.794 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU017683.D
 Acq: 24 Jun 2017 11:30

Tgt Ion: 173 Resp: 13826
 Ion Ratio Lower Upper
 173 100
 175 50.0 39.0 58.4
 254 11.5 9.4 14.2

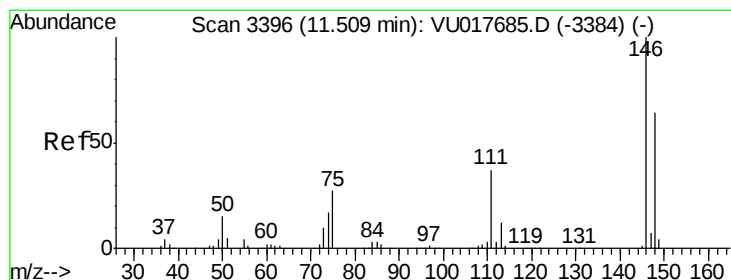
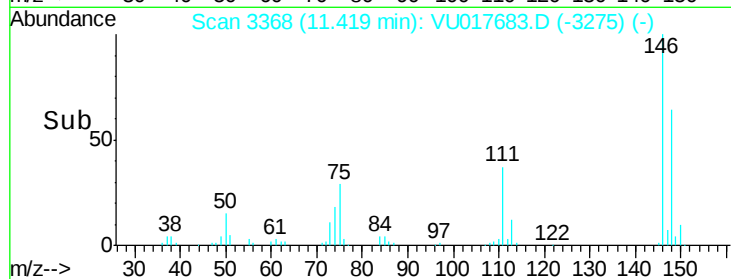
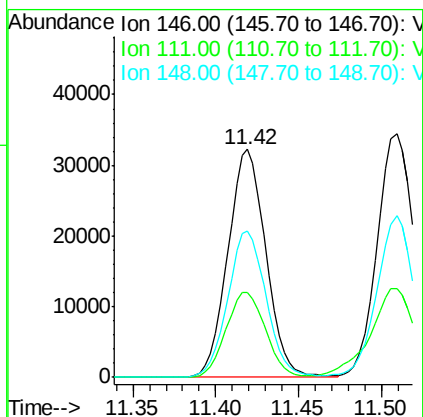
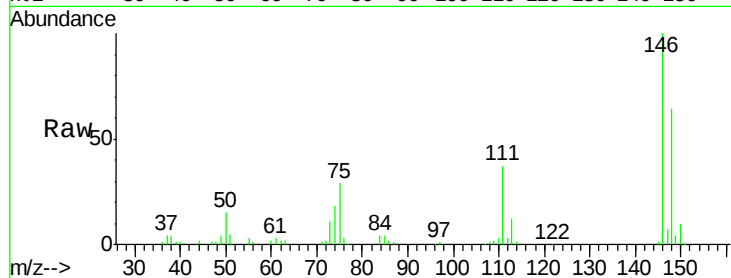




#62
 1,3-Dichlorobenzene
 Concen: 5.516 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU017683.D
 Acq: 24 Jun 2017 11:30

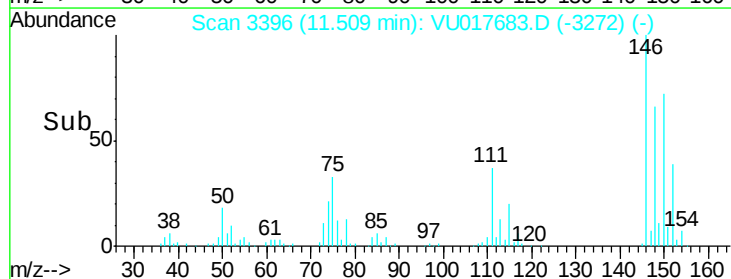
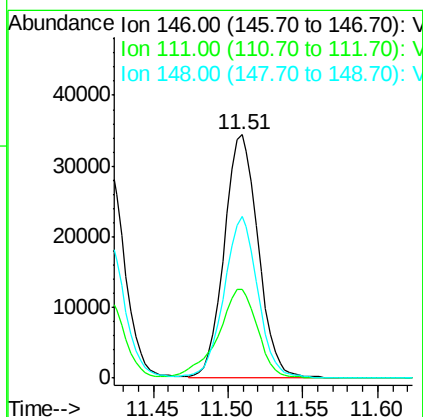
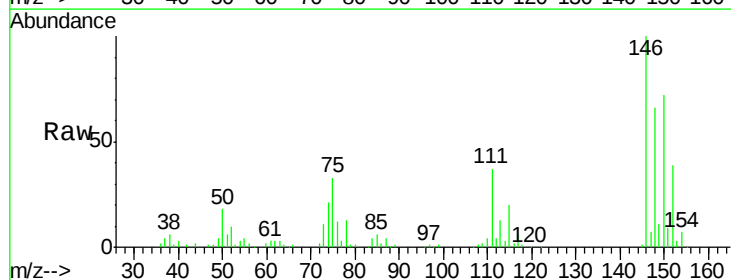
Instrument :
 BNA_M
 ClientSampleId :
 VSTD00514

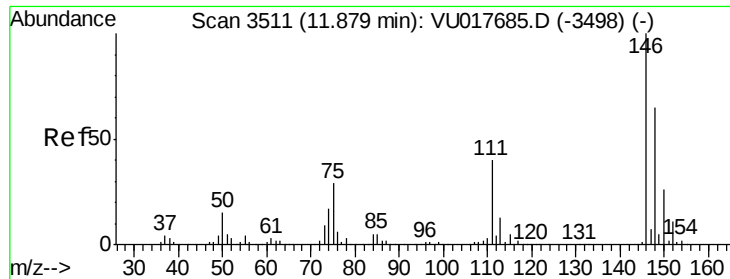
Tgt Ion:146 Resp: 51443
 Ion Ratio Lower Upper
 146 100
 111 37.1 26.9 50.1
 148 64.3 45.1 83.9



#63
 1,4-Dichlorobenzene
 Concen: 5.668 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU017683.D
 Acq: 24 Jun 2017 11:30

Tgt Ion:146 Resp: 54596
 Ion Ratio Lower Upper
 146 100
 111 36.6 26.4 49.0
 148 66.4 44.9 83.3





#65

1,2-Dichlorobenzene

Concen: 5.533 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

Instrument :

BNA_M

ClientSampleId :

VSTD00514

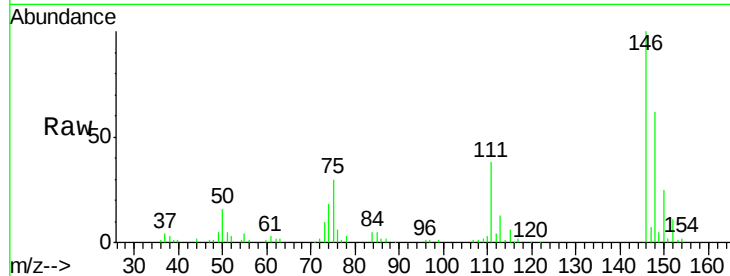
Tgt Ion: 146 Resp: 52195

Ion Ratio Lower Upper

146 100

111 38.5 32.0 48.0

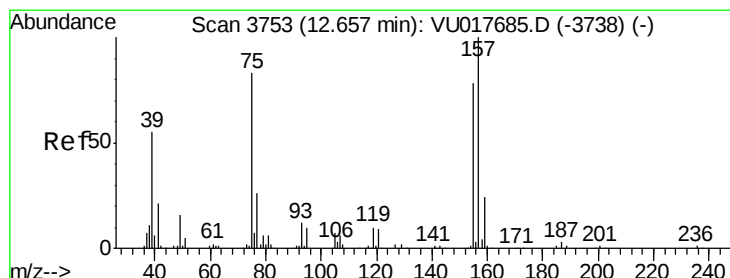
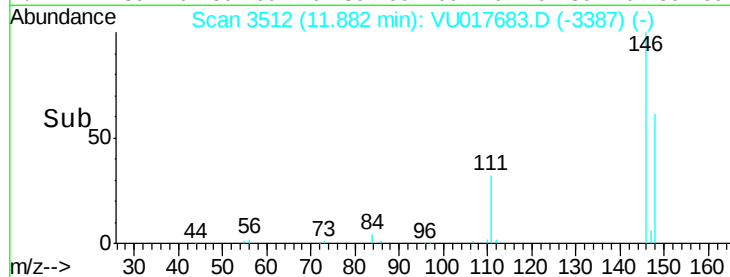
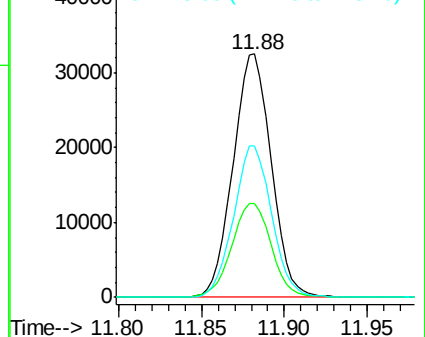
148 62.4 51.8 77.6



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: 5.549 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

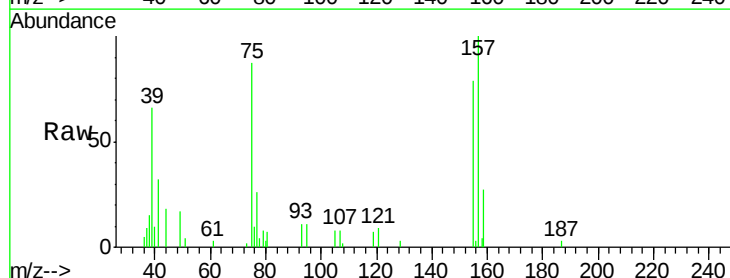
Tgt Ion: 75 Resp: 6862

Ion Ratio Lower Upper

75 100

155 90.5 75.8 113.6

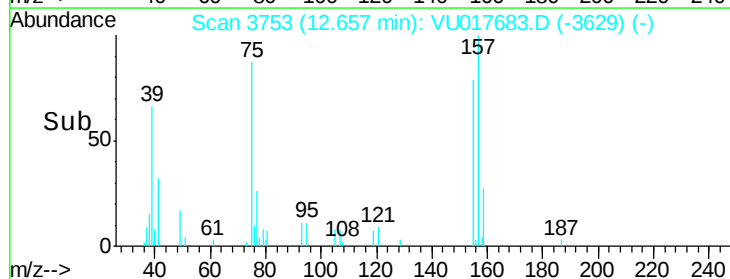
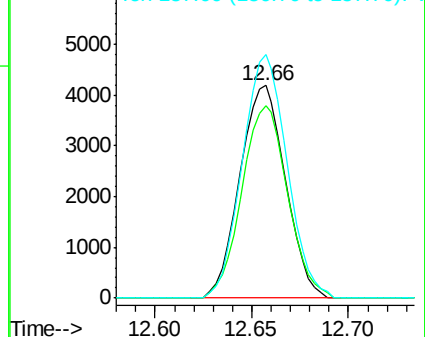
157 114.6 96.7 145.1

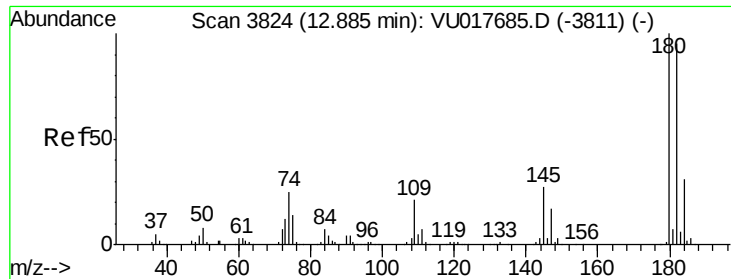


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

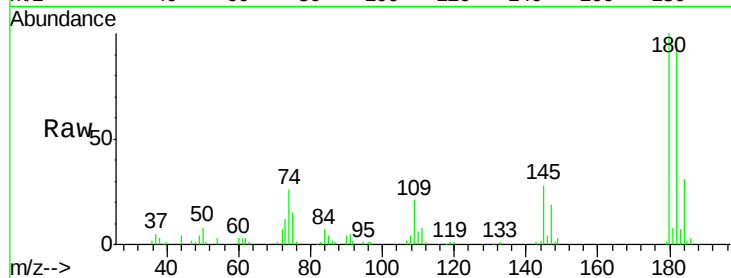




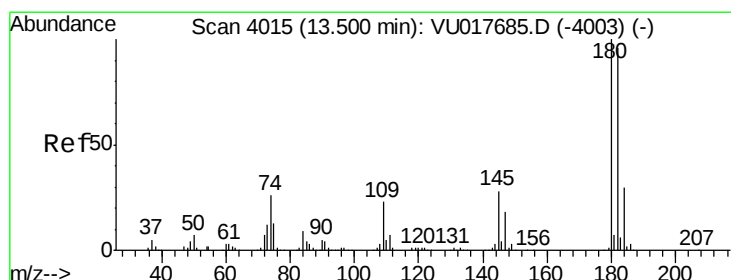
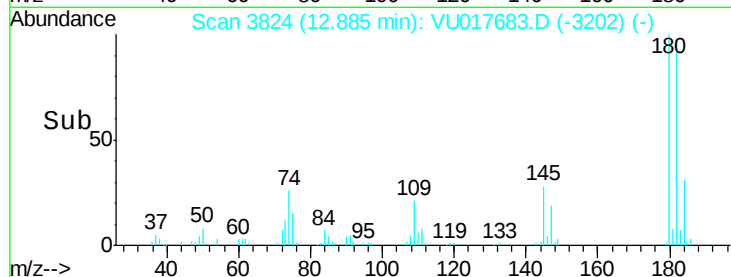
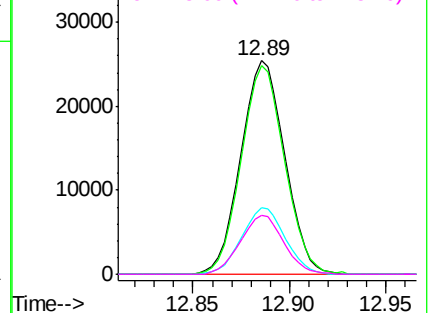
#67
 1,3,5-Trichlorobenzene
 Concen: 5.253 ug/L
 RT: 12.89 min Scan# 3824
 Delta R.T. -0.00 min
 Lab File: VU017683.D
 Acq: 24 Jun 2017 11:30

Instrument :
 BNA_M
 ClientSampleId :
 VSTD00514

Tgt Ion:180 Resp: 40310
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.4 114.6
 184 30.9 24.7 37.1
 145 27.1 22.0 33.0

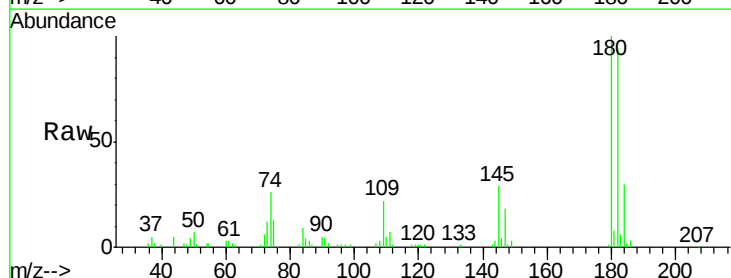


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

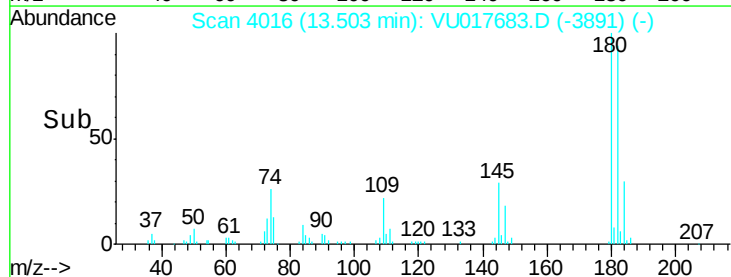
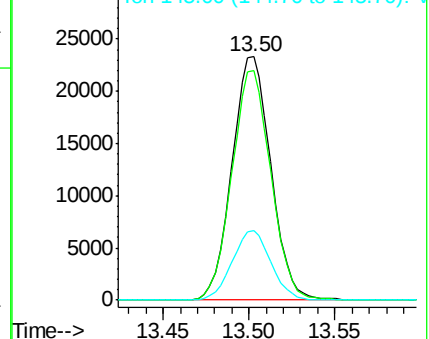


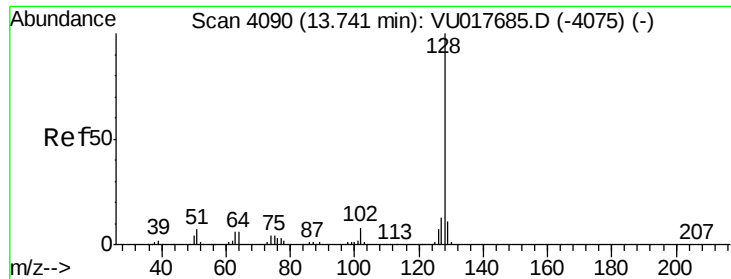
#68
 1,2,4-trichlorobenzene
 Concen: 5.199 ug/L
 RT: 13.50 min Scan# 4016
 Delta R.T. 0.00 min
 Lab File: VU017683.D
 Acq: 24 Jun 2017 11:30

Tgt Ion:180 Resp: 36650
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.6 114.8
 145 28.2 22.8 34.2



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





#69

Naphthalene

Concen: 4.951 ug/L

RT: 13.74 min Scan# 4090

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

Instrument :

BNA_M

ClientSampleId :

VSTD00514

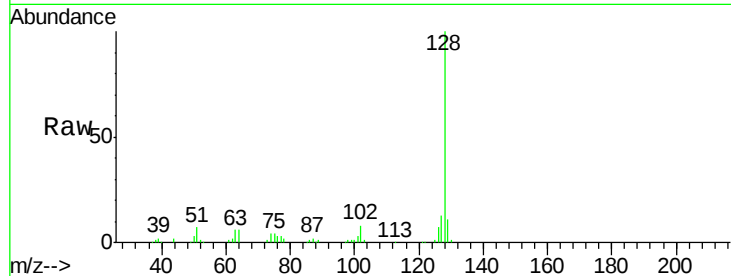
Tgt Ion:128 Resp: 102626

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

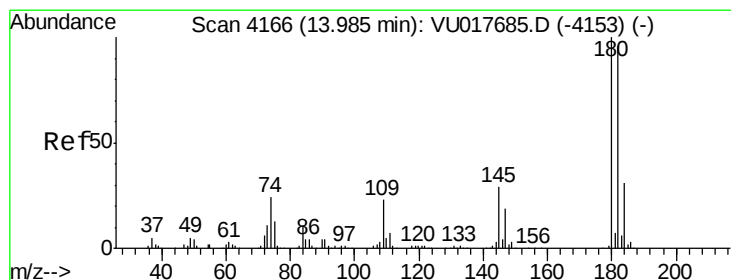
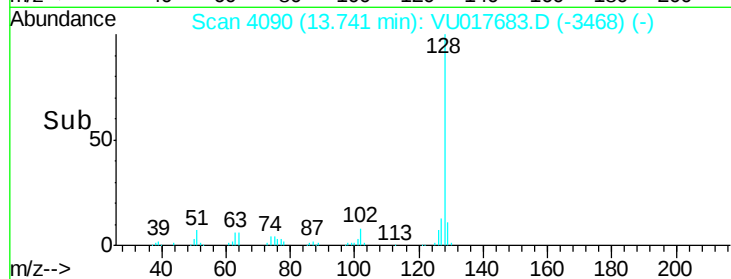
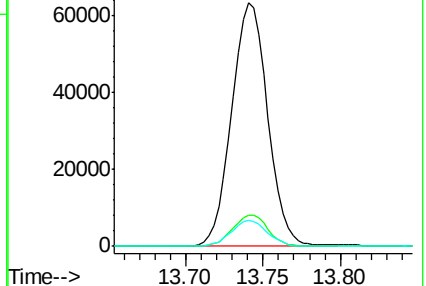
129 10.6 8.8 13.2



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: 5.214 ug/L

RT: 13.98 min Scan# 4166

Delta R.T. -0.00 min

Lab File: VU017683.D

Acq: 24 Jun 2017 11:30

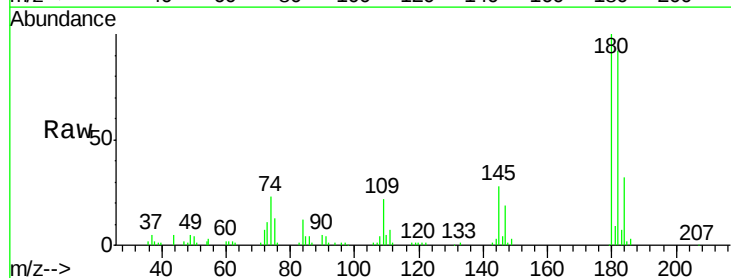
Tgt Ion:180 Resp: 36682

Ion Ratio Lower Upper

180 100

182 94.4 77.0 115.6

145 28.8 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

