

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037904.D
 Acq On : 29 Apr 2020 11:07
 Operator : JC/MD
 Sample : L2395-02DL 400X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 30 01:19:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 30 01:17:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	356832	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	293517	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	112623	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	156757	50.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.56%
7) Chloroethane-d5	1.93	69	165101	68.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	136.66%#
11) 1,1-Dichloroethene-d2	2.59	63	156420	31.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.00%
21) 2-Butanone-d5	4.66	46	406321	164.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	164.48%#
24) Chloroform-d	5.10	84	299017	62.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	125.92%#
26) 1,2-Dichloroethane-d4	5.74	65	259420	78.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	157.78%#
32) Benzene-d6	5.76	84	554214	66.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	133.54%#
36) 1,2-Dichloropropane-d6	6.72	67	232465	83.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	167.46%#
41) Toluene-d8	7.92	98	359894	47.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.34%
43) trans-1,3-Dichloropropene-	8.20	79	80025	56.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.00%
47) 2-Hexanone-d5	8.65	63	299691	198.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	198.30%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	362412	93.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	187.64%#
64) 1,2-Dichlorobenzene-d4	12.21	152	130211	59.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.84%

Target Compounds

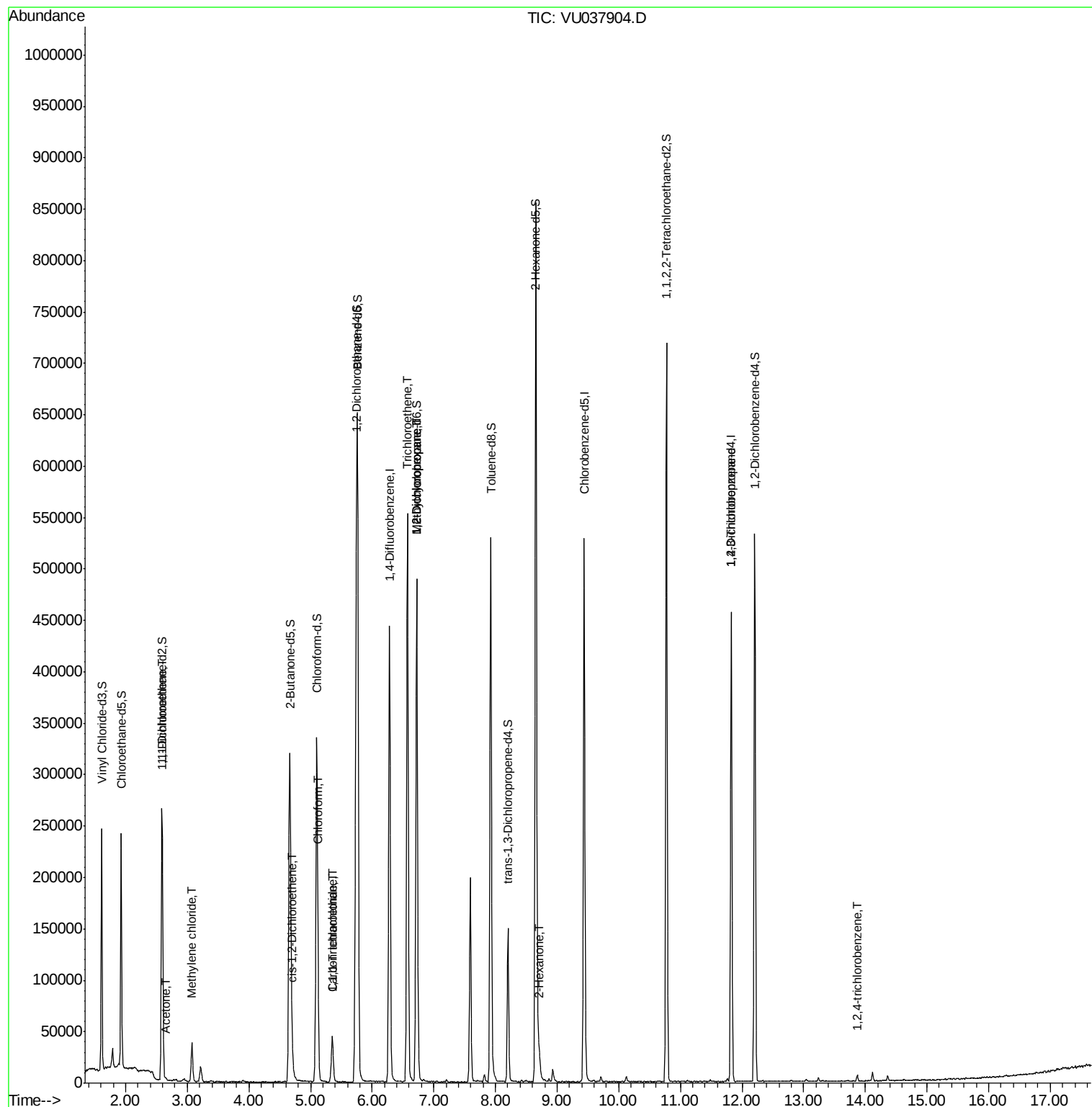
					Ovalue
12) 1,1-Dichloroethene	2.60	96	13792	6.366 ug/L #	1
13) Acetone	2.65	43	2418	1.641 ug/L	95
16) Methylene chloride	3.08	84	16394	6.369 ug/L	94
20) cis-1,2-Dichloroethene	4.71	96	7473	2.818 ug/L	82
25) Chloroform	5.13	83	11623	2.544 ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	30813	9.400 ug/L	98
31) Carbon tetrachloride	5.35	117	3965	1.496 ug/L	92
34) Trichloroethene	6.57	95	188560	86.288 ug/L	97
35) Methylcyclohexane	6.72	83	52014	13.593 ug/L #	17
37) 1,2-Dichloropropane	6.72	63	24831	10.205 ug/L #	89
48) 2-Hexanone	8.71	43	9183	2.745 ug/L #	47
59) 1,2,3-Trichloropropane	11.83	75	16180	4.950 ug/L	95
68) 1,2,4-trichlorobenzene	13.87	180	2074	0.832 ug/L	92

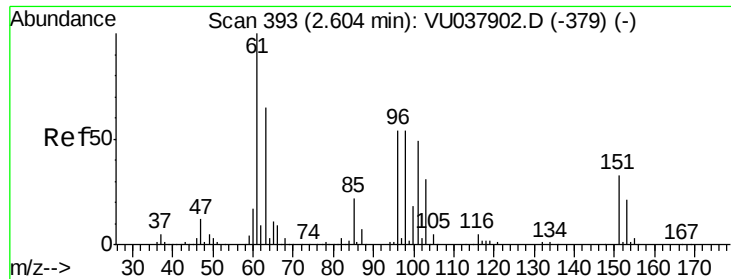
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 6.366 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037904.D

Acq: 29 Apr 2020 11:07

Instrument :
MSVOA_U
ClientSampled :

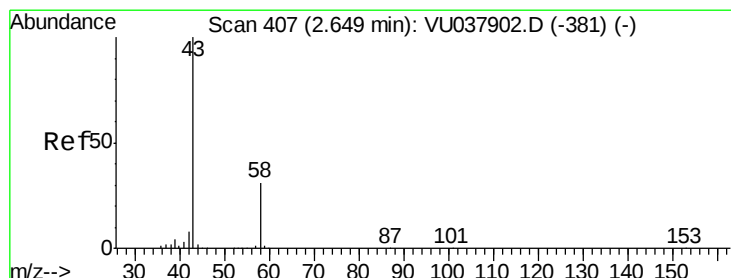
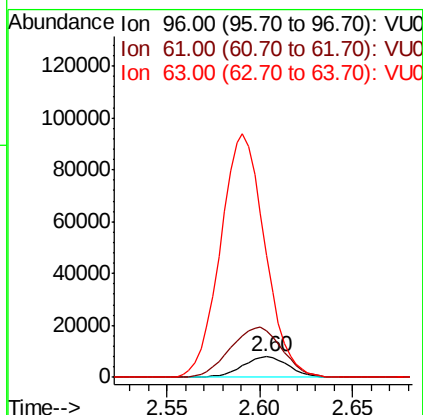
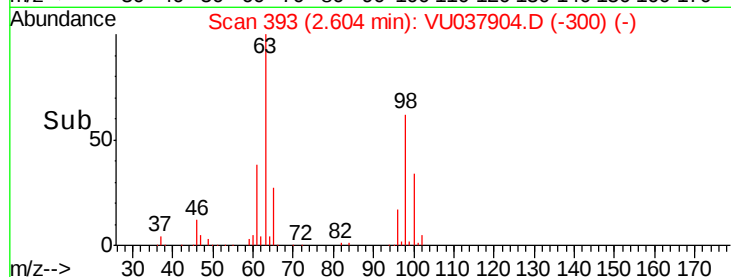
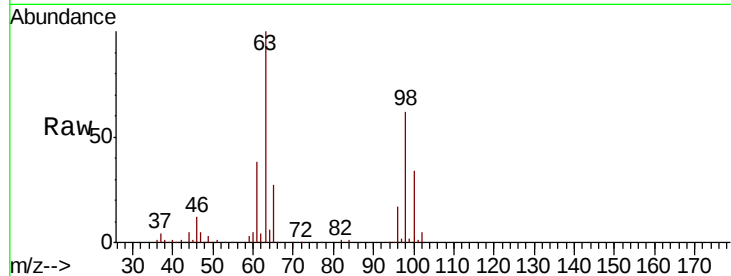
Tot Ion: 96 Resp: 13792

Ion Ratio Lower Upper

96 100

61 225.9 134.1 249.0

63 590.9 96.5 179.1#



#13

Acetone

Concen: 1.641 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037904.D

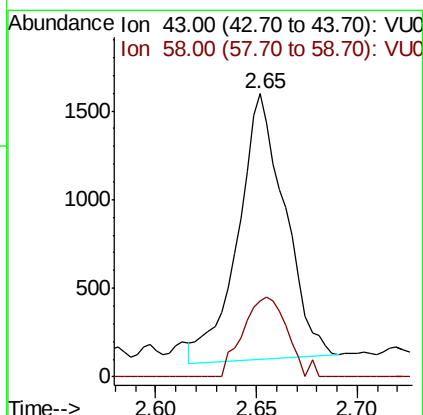
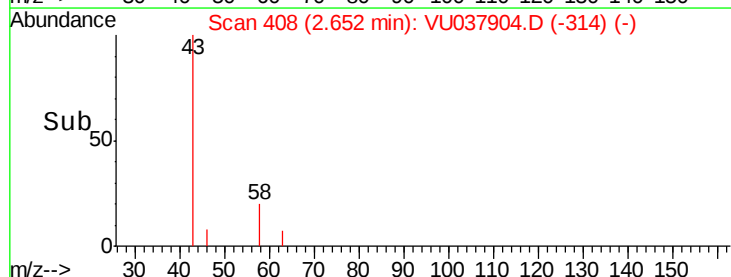
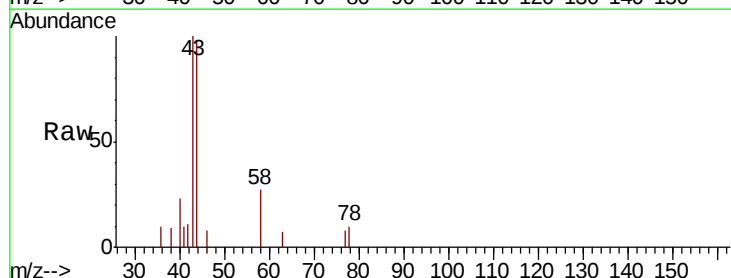
Acq: 29 Apr 2020 11:07

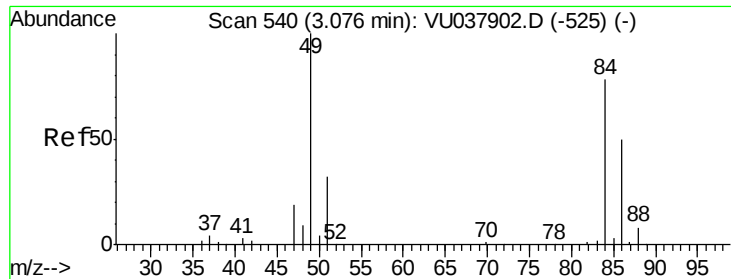
Tgt Ion: 43 Resp: 2418

Ion Ratio Lower Upper

43 100

58 28.0 0.0 62.0

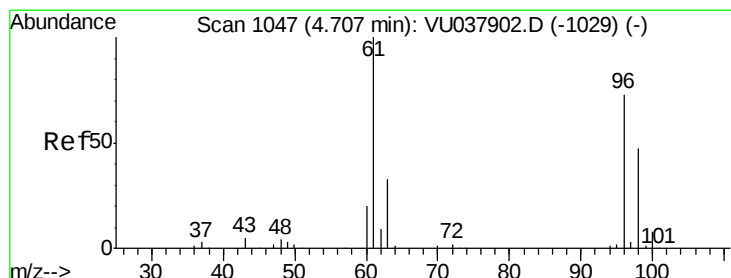
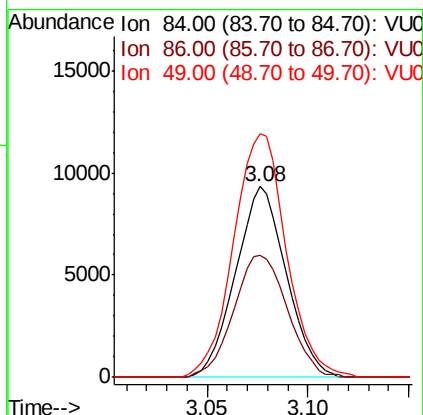
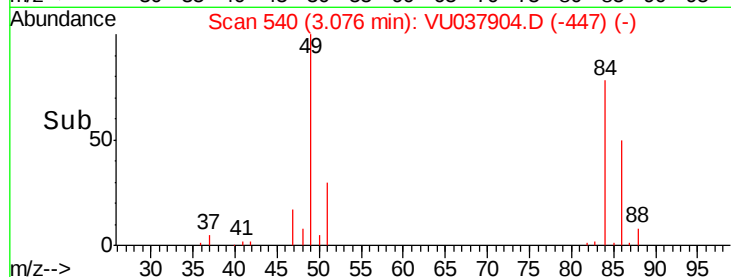
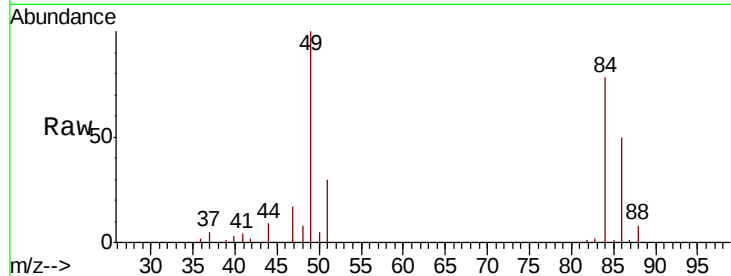




#16
Methylene chloride
Concen: 6.369 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037904.D
Acq: 29 Apr 2020 11:07

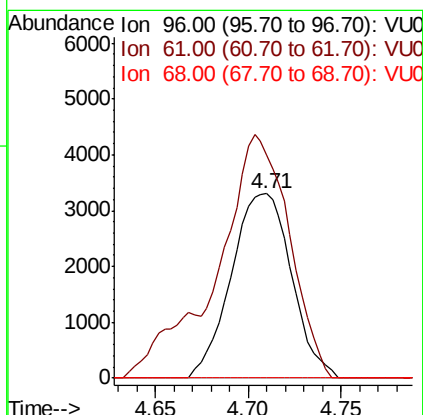
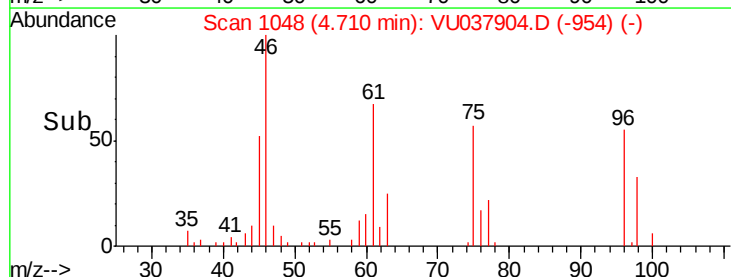
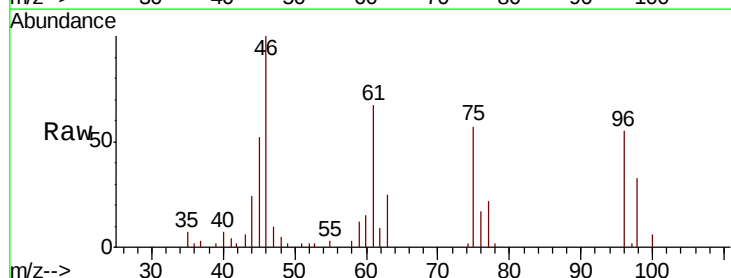
Instrument :
MSVOA_U
ClientSampleId :

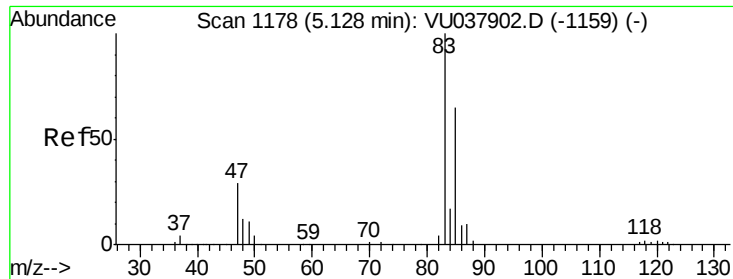
Tot Ion: 84 Resp: 16394
Ion Ratio Lower Upper
84 100
86 64.2 43.5 80.7
49 127.5 95.1 176.7



#20
cis-1,2-Dichloroethene
Concen: 2.818 ug/L
RT: 4.71 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU037904.D
Acq: 29 Apr 2020 11:07

Tgt Ion: 96 Resp: 7473
Ion Ratio Lower Upper
96 100
61 120.8 100.4 186.4
68 0.0 0.0 0.0

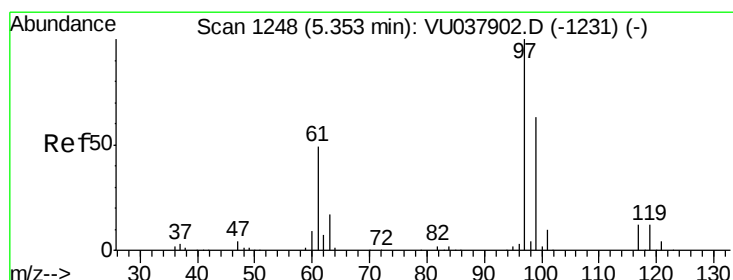
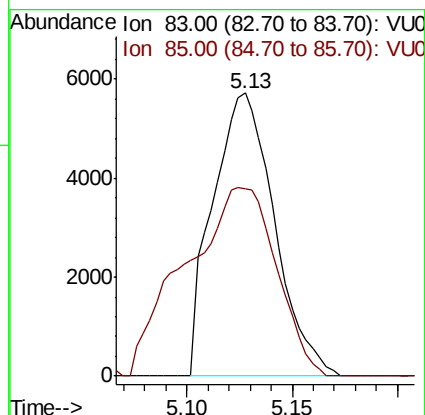
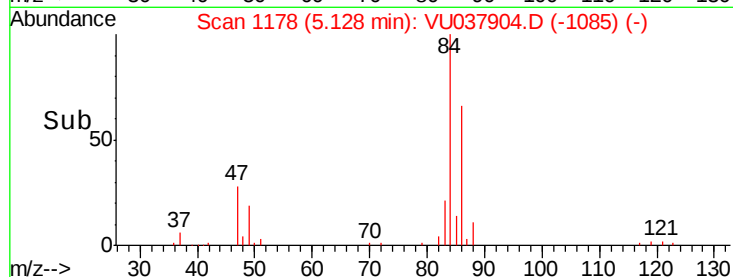
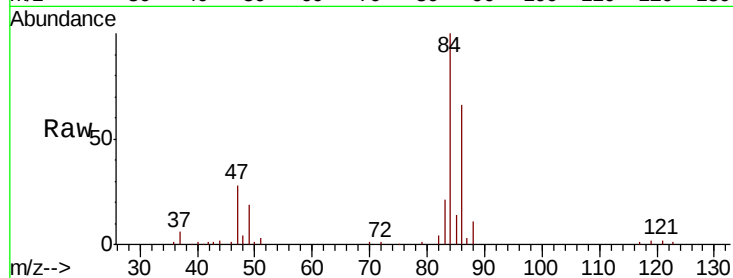




#25
Chloroform
Concen: 2.544 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037904.D
Acq: 29 Apr 2020 11:07

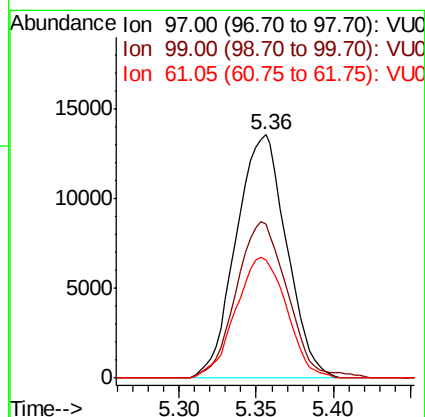
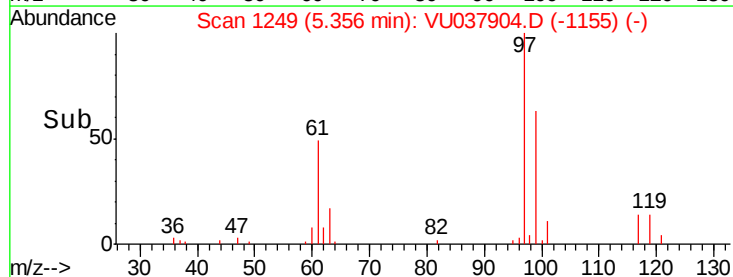
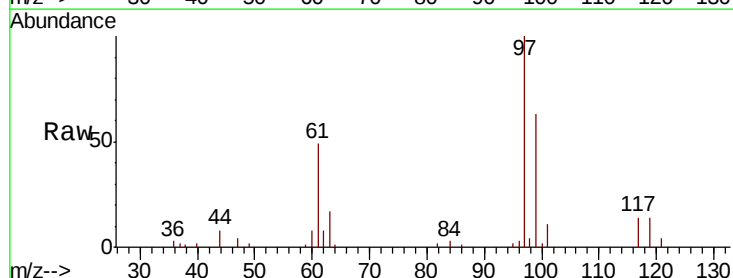
Instrument :
MSVOA_U
ClientSampleId :

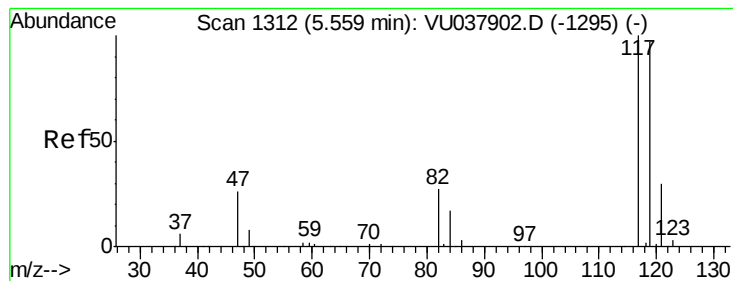
Tot Ion: 83 Resp: 11623
Ion Ratio Lower Upper
83 100
85 66.0 45.1 83.9



#30
1,1,1-Trichloroethane
Concen: 9.400 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037904.D
Acq: 29 Apr 2020 11:07

Tgt Ion: 97 Resp: 30813
Ion Ratio Lower Upper
97 100
99 64.9 50.7 76.1
61 49.9 38.9 58.3





#31

Carbon tetrachloride

Concen: 1.496 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.21 min

Lab File: VU037904.D

Acq: 29 Apr 2020 11:07

Instrument :

MSVOA_U

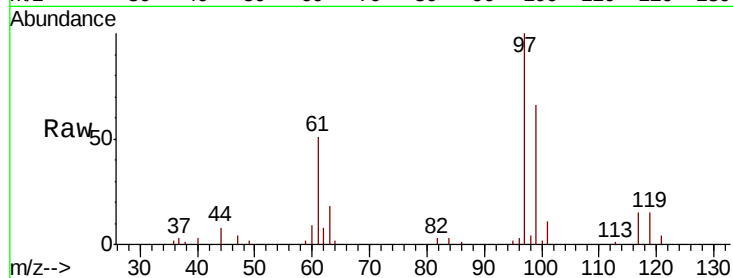
ClientSampled :

Tot Ion:117 Resp: 3965

Ion Ratio Lower Upper

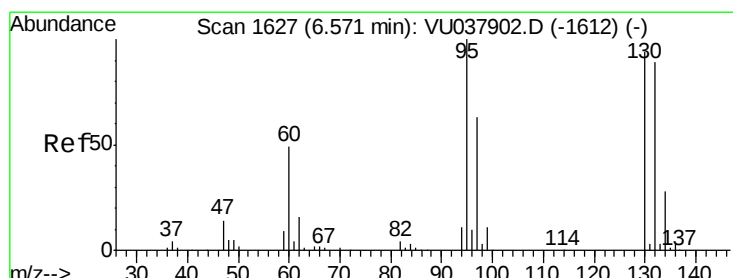
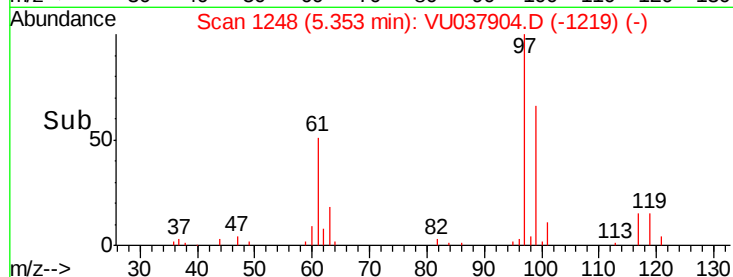
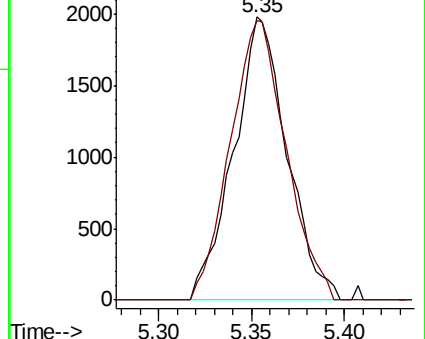
117 100

119 103.3 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Trichloroethene

Concen: 86.288 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037904.D

Acq: 29 Apr 2020 11:07

Tgt Ion: 95 Resp: 188560

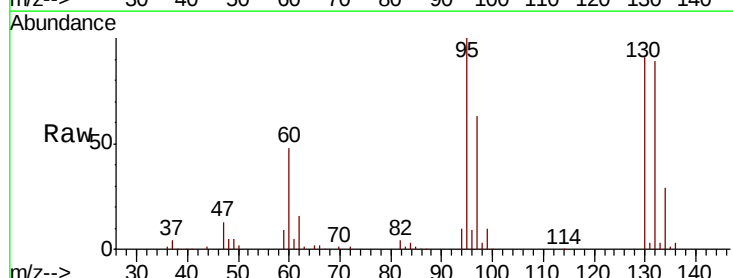
Ion Ratio Lower Upper

95 100

97 62.5 44.4 82.5

132 89.2 65.0 120.6

130 91.0 65.5 121.7

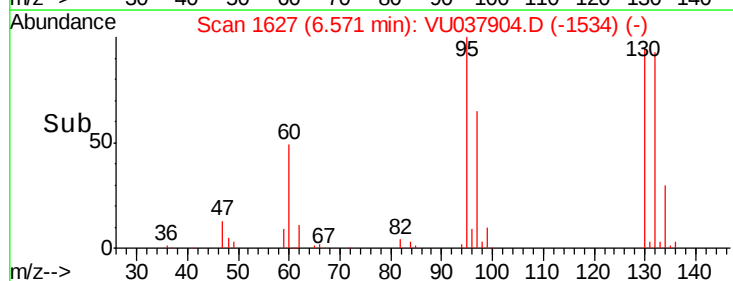
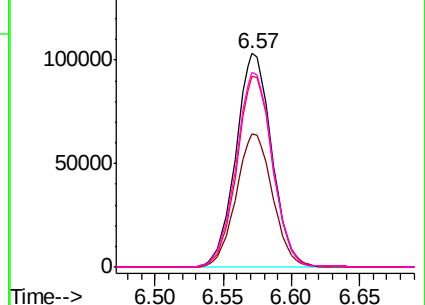


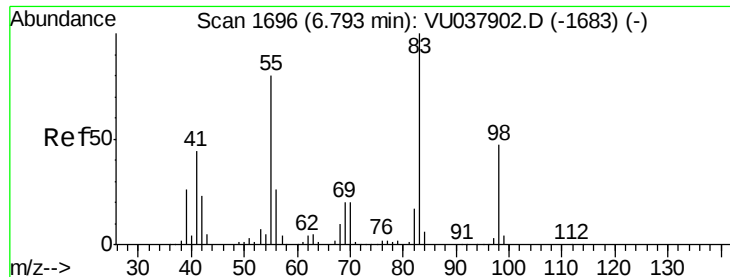
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

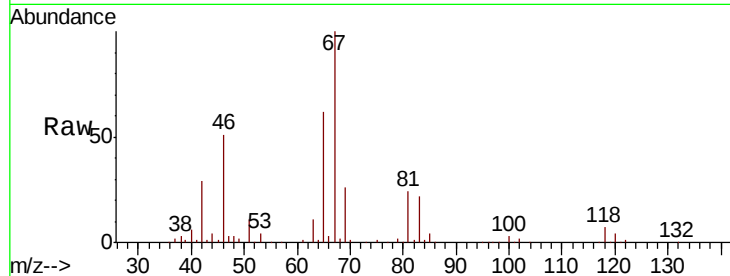




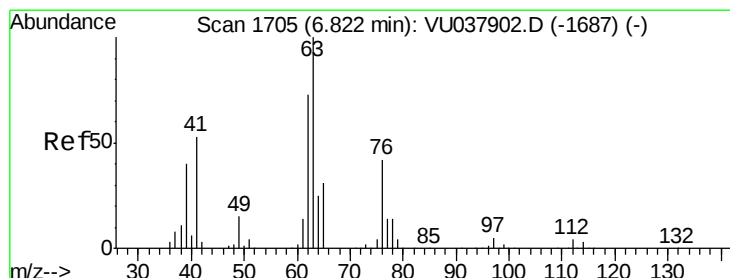
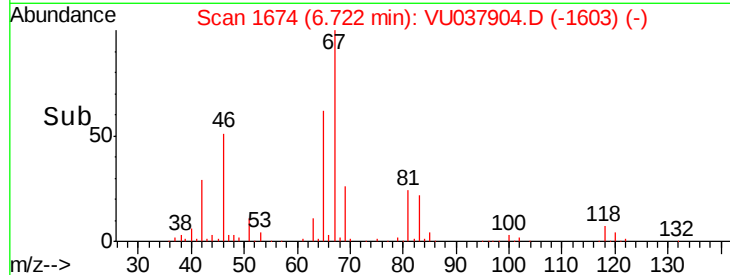
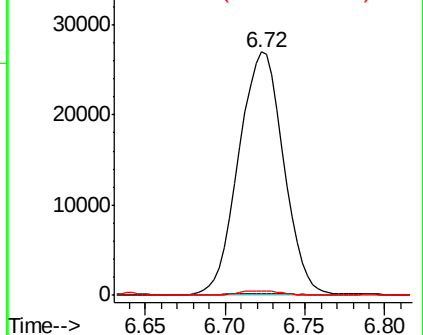
#35
Methvlcvclohexane
Concen: 13.593 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037904.D
Acq: 29 Apr 2020 11:07

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 52014
Ion Ratio Lower Upper
83 100
55 0.5 66.3 99.5#
98 1.1 37.4 56.0#

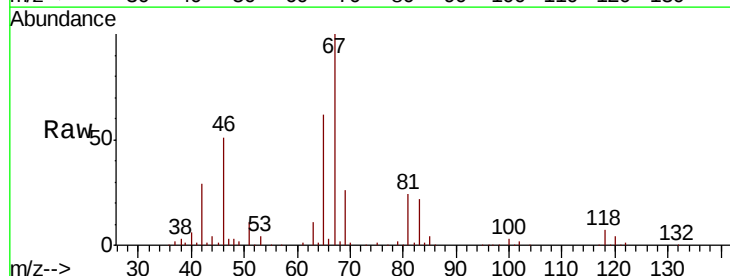


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

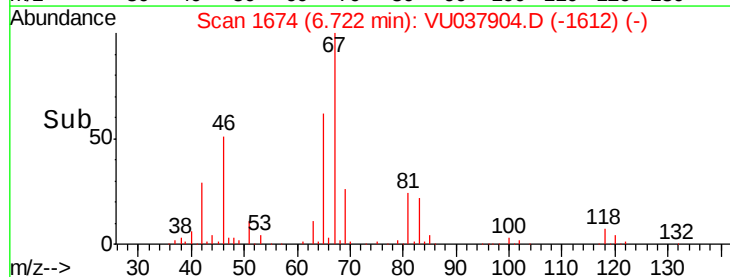
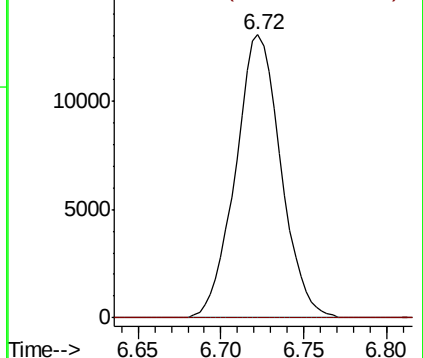


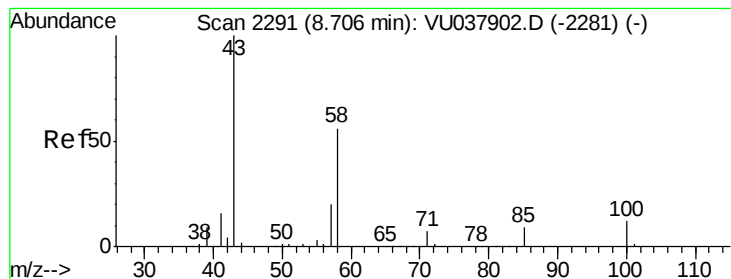
#37
1,2-Dichloropropane
Concen: 10.205 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU037904.D
Acq: 29 Apr 2020 11:07

Tgt Ion: 63 Resp: 24831
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#48

2-Hexanone

Concen: 2.745 ug/L

RT: 8.71 min Scan# 2293

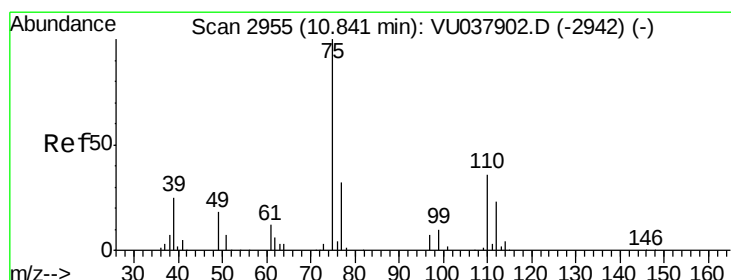
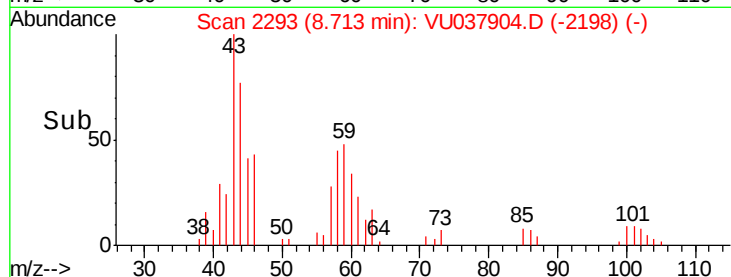
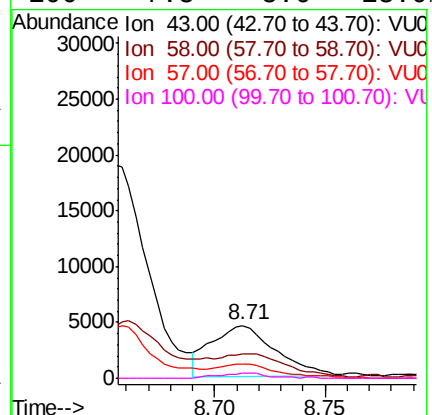
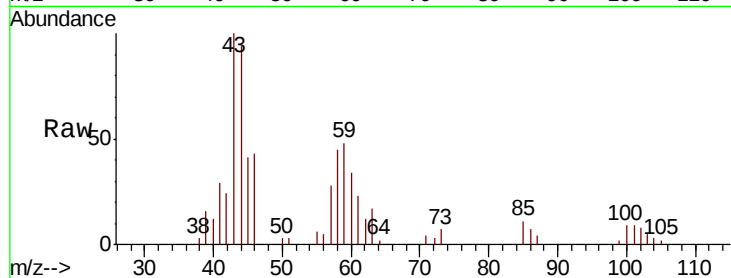
Delta R.T. 0.01 min

Lab File: VU037904.D

Acq: 29 Apr 2020 11:07

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	43	Resp:	9183
Ion	Ratio	Lower	Upper
43	100		
58	0.0	42.6	63.8#
57	26.3	14.6	22.0#
100	7.8	8.6	13.0#



#59

1,2,3-Trichloropropane

Concen: 4.950 ug/L

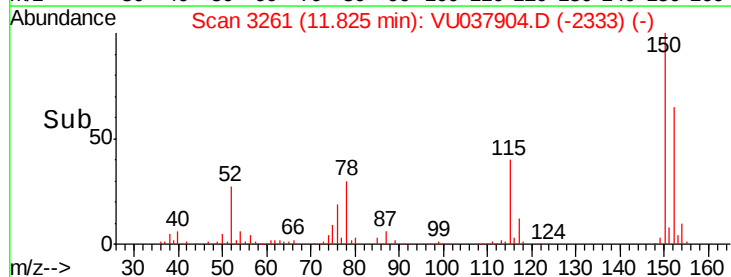
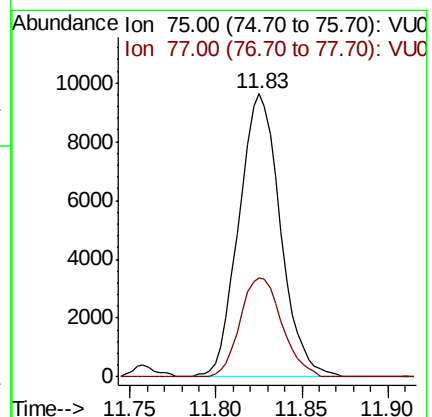
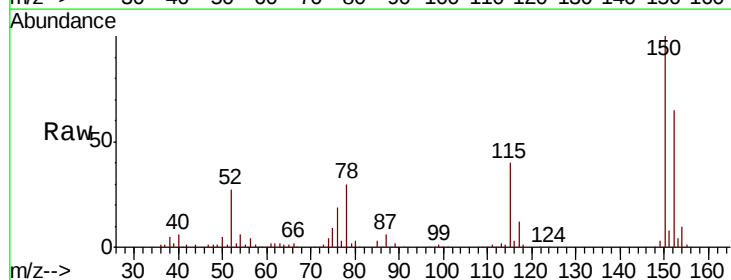
RT: 11.83 min Scan# 3261

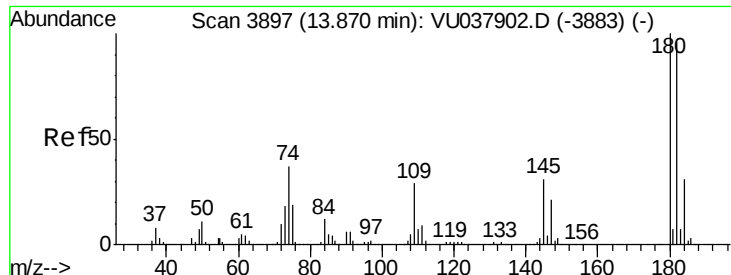
Delta R.T. 0.98 min

Lab File: VU037904.D

Acq: 29 Apr 2020 11:07

Tgt Ion:	75	Resp:	16180
Ion	Ratio	Lower	Upper
75	100		
77	35.0	25.8	38.6





#68

1,2,4-trichlorobenzene

Concen: 0.832 ug/L

RT: 13.87 min Scan# 3896

Delta R.T. -0.00 min

Lab File: VU037904.D

Acq: 29 Apr 2020 11:07

Instrument :

MSVOA_U

ClientSampleId :

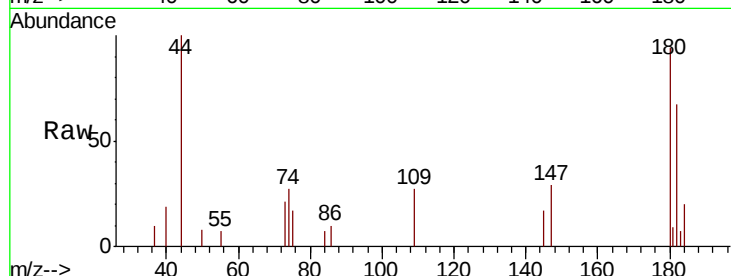
Tot Ion:180 Resp: 2074

Ion Ratio Lower Upper

180 100

182 87.6 76.9 115.3

145 25.9 23.8 35.8



Abundance Ion 180.00 (179.70 to 180.70): V

2000 Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

