

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030220\
 Data File : VU036995.D
 Acq On : 02 Mar 2020 13:47
 Operator : JC/MD
 Sample : L1732-01 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 03 03:24:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 03 03:21:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	275073	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	266243	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	108171	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	91651	39.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.36%
7) Chloroethane-d5	1.93	69	87598	45.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.66%
11) 1,1-Dichloroethene-d2	2.59	63	123141	31.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.66%
21) 2-Butanone-d5	4.67	46	166811	107.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.66%
24) Chloroform-d	5.11	84	169009	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.82%
26) 1,2-Dichloroethane-d4	5.74	65	122331	51.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.48%
32) Benzene-d6	5.76	84	375645	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.58%
36) 1,2-Dichloropropane-d6	6.72	67	125088	50.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.30%
41) Toluene-d8	7.92	98	341247	47.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.54%
43) trans-1,3-Dichloropropene-	8.20	79	53860	46.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.92%
47) 2-Hexanone-d5	8.66	63	126829	103.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.99%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	179657	51.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.18%
64) 1,2-Dichlorobenzene-d4	12.21	152	113288	53.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.16%

Target Compounds

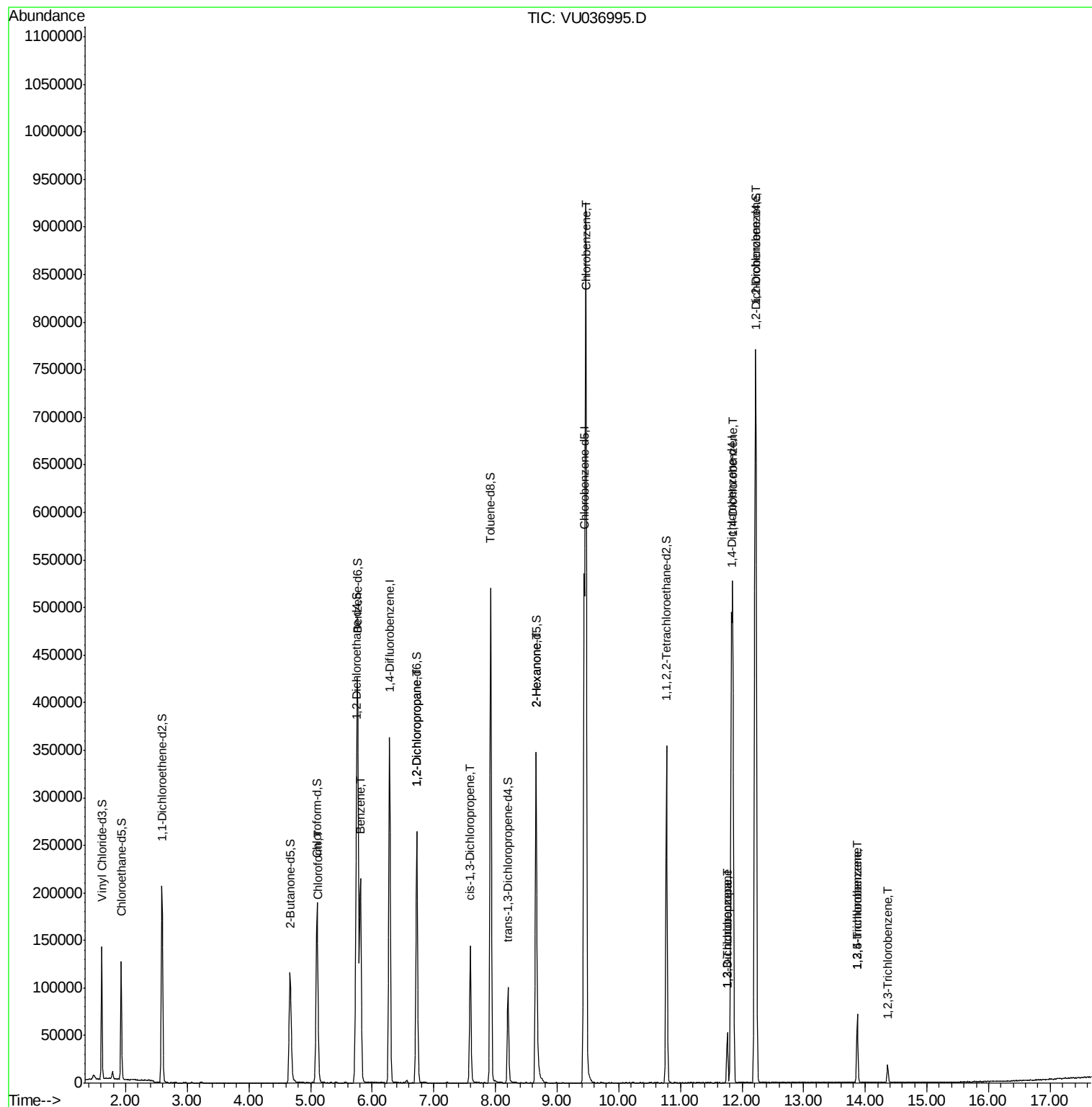
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	5.12	83	8283	2.315	ug/L	96
33) Benzene	5.81	78	195321	23.222	ug/L	100
37) 1,2-Dichloropropane	6.72	63	13547	5.982	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3168	0.908	ug/L #	45
48) 2-Hexanone	8.66	43	16010	6.012	ug/L #	68
51) Chlorobenzene	9.47	112	462199	87.050	ug/L	100
59) 1,2,3-Trichloropropane	11.76	75	7135	2.449	ug/L #	42
62) 1,3-Dichlorobenzene	11.76	146	20613	5.874	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	180714	52.126	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	239618	68.390	ug/L	99
67) 1,3,5-Trichlorobenzene	13.87	180	20499	9.203	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	20499	12.284	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	5618	3.369	ug/L	96

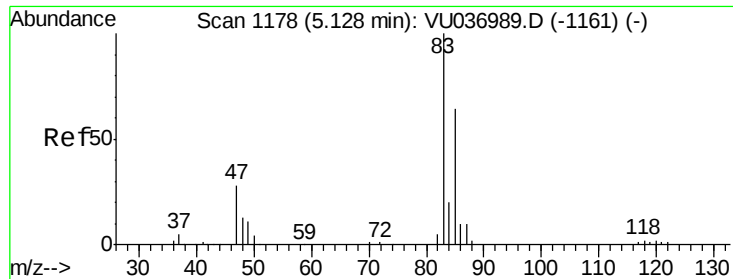
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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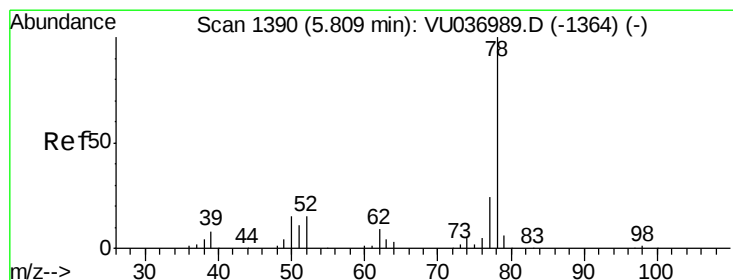
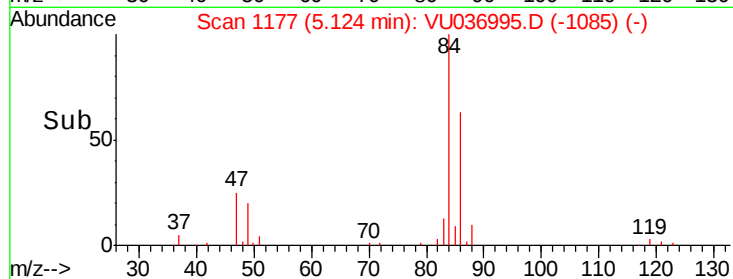
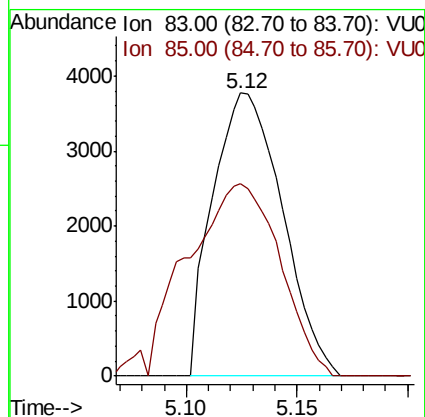
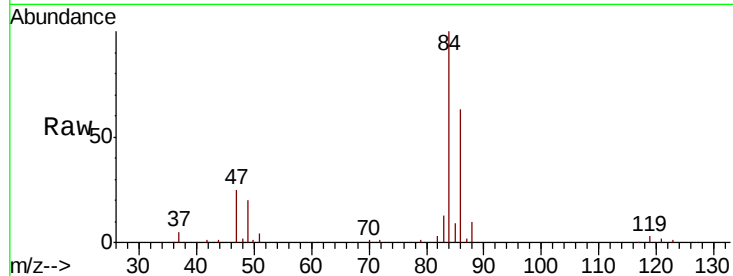




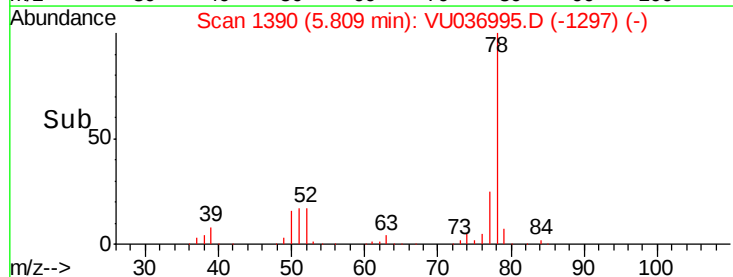
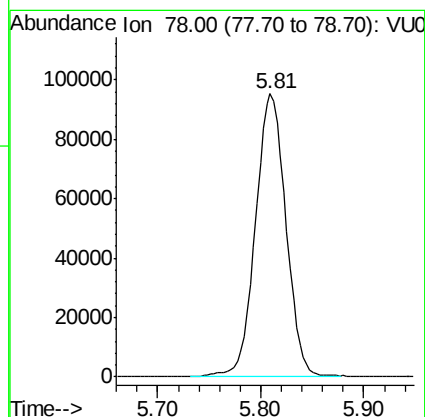
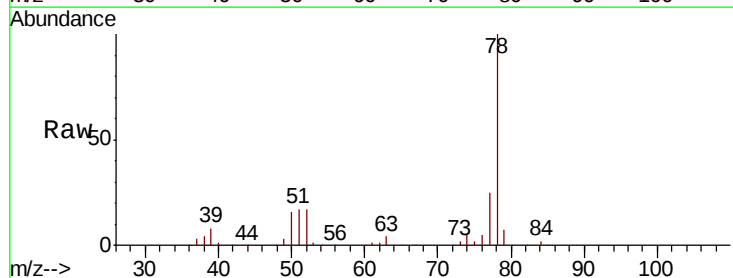
#25
Chloroform
Concen: 2.315 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU036995.D
Acq: 02 Mar 2020 13:47

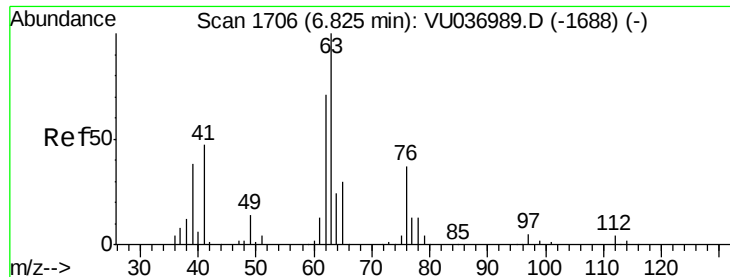
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 8283
Ion Ratio Lower Upper
83 100
85 67.8 45.1 83.9



#33
Benzene
Concen: 23.222 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU036995.D
Acq: 02 Mar 2020 13:47
Tgt Ion: 78 Resp: 195321

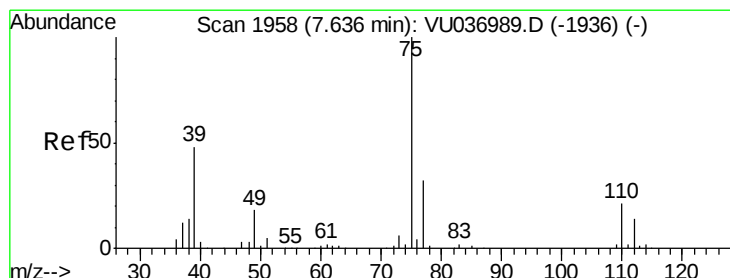
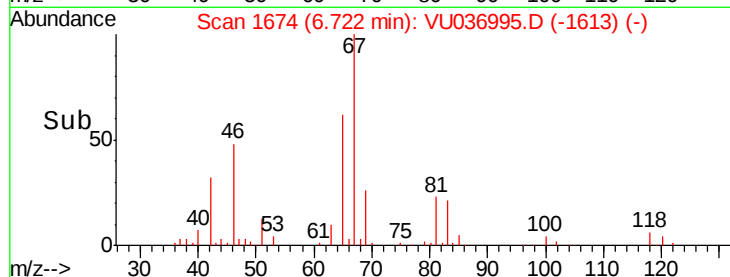
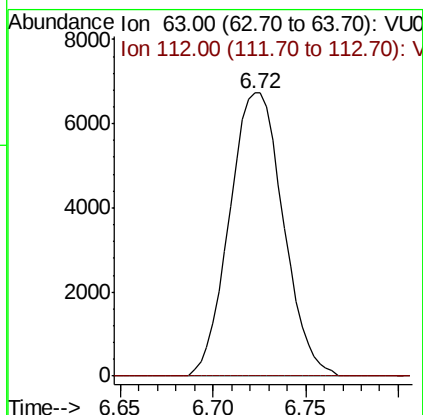
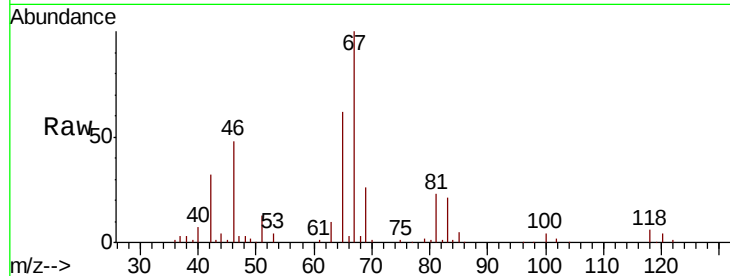




#37
 1,2-Dichloropropane
 Concen: 5.982 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU036995.D
 Acq: 02 Mar 2020 13:47

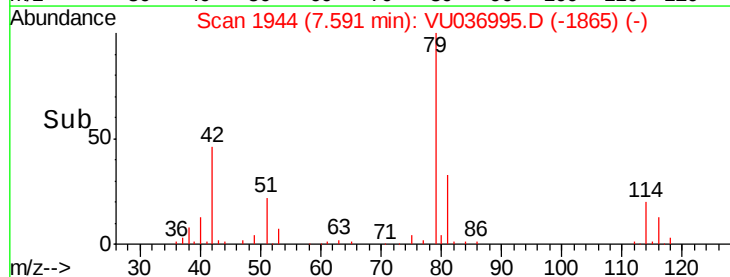
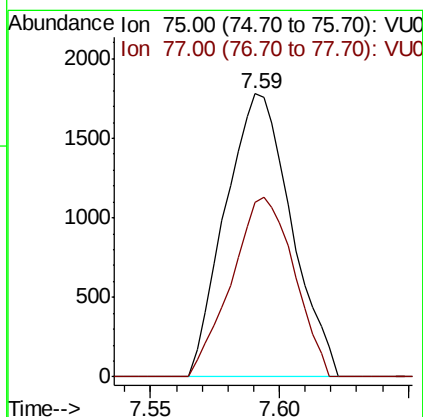
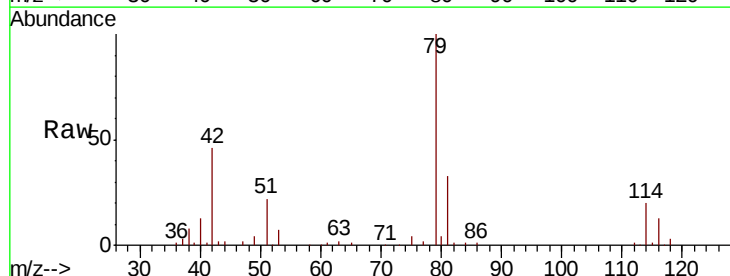
Instrument :
 MSVOA_U
 ClientSampled :

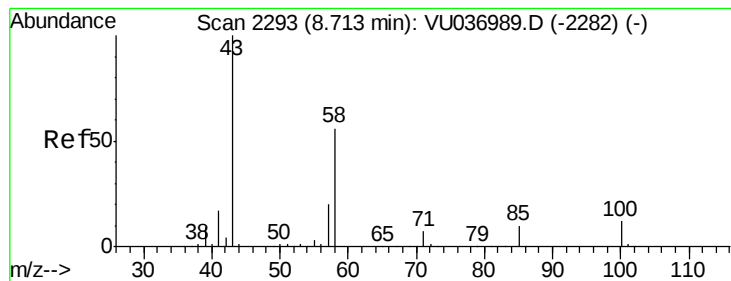
Tot Ion: 63 Resp: 13547
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.908 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.05 min
 Lab File: VU036995.D
 Acq: 02 Mar 2020 13:47

Tgt Ion: 75 Resp: 3168
 Ion Ratio Lower Upper
 75 100
 77 61.8 22.0 41.0#





#48

2-Hexanone

Concen: 6.012 ug/L

RT: 8.66 min Scan# 2276

Delta R.T. -0.05 min

Lab File: VU036995.D

Acq: 02 Mar 2020 13:47

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 43 Resp: 16010

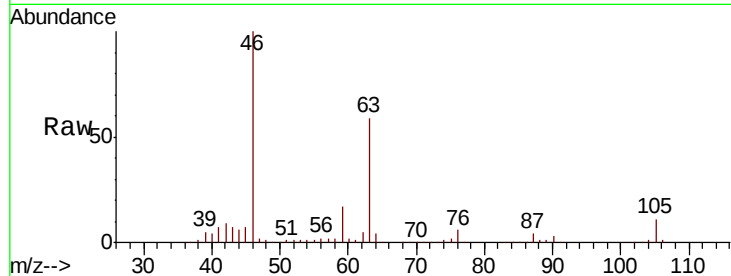
Ion Ratio Lower Upper

43 100

58 27.1 43.5 65.3#

57 25.6 15.1 22.7#

100 0.0 8.7 13.1#

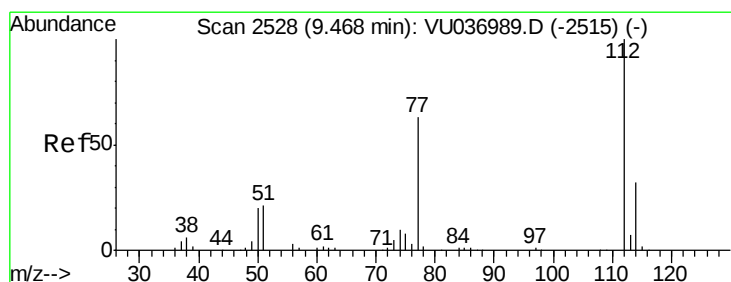
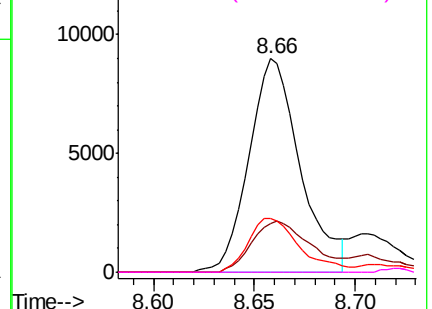
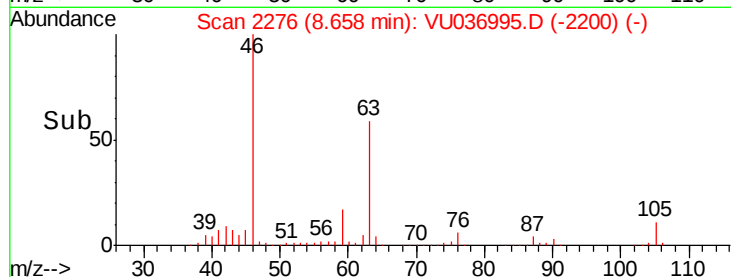


Abundance Ion 43.00 (42.70 to 43.70): VU036989.D (-2282) (-)

Ion 58.00 (57.70 to 58.70): VU036989.D (-2282) (-)

Ion 57.00 (56.70 to 57.70): VU036989.D (-2282) (-)

Ion 100.00 (99.70 to 100.70): VU036989.D (-2282) (-)



#51

Chlorobenzene

Concen: 87.050 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU036995.D

Acq: 02 Mar 2020 13:47

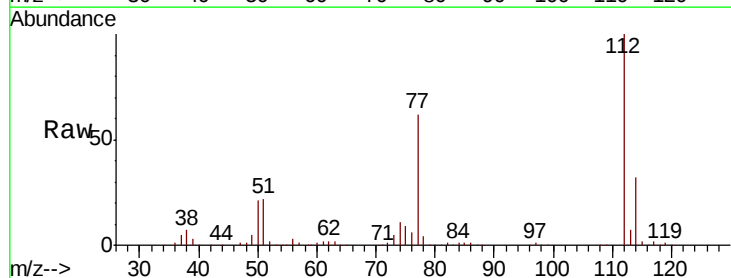
Tgt Ion: 112 Resp: 462199

Ion Ratio Lower Upper

112 100

114 32.4 22.3 41.5

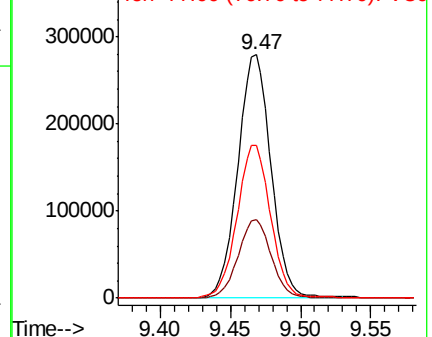
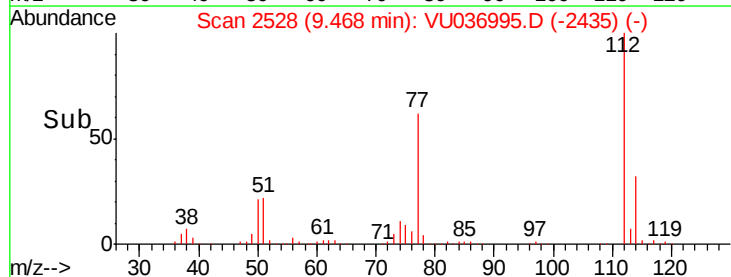
77 62.5 50.1 75.1

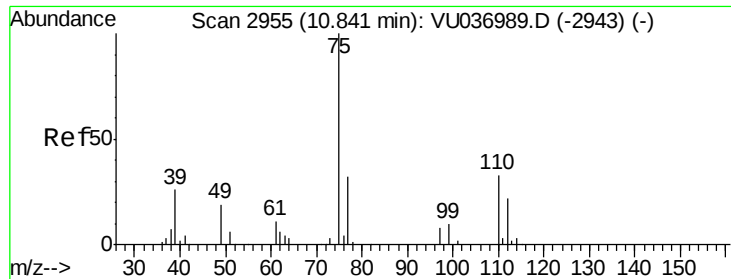


Abundance Ion 112.00 (111.70 to 112.70): VU036989.D (-2515) (-)

Ion 114.00 (113.70 to 114.70): VU036989.D (-2515) (-)

Ion 77.00 (76.70 to 77.70): VU036989.D (-2515) (-)

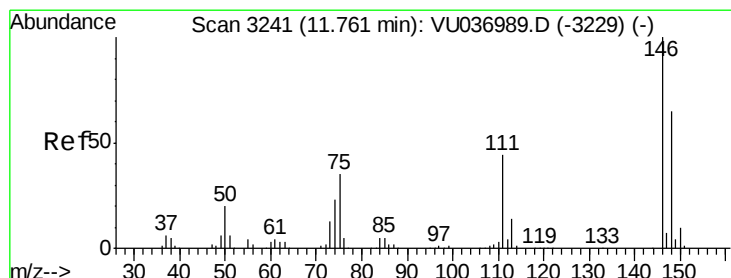
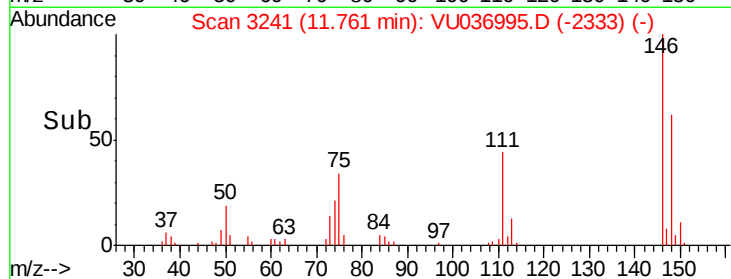
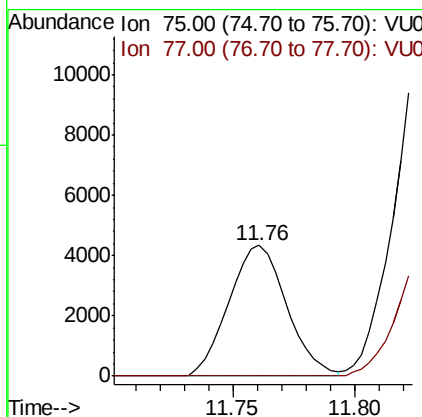
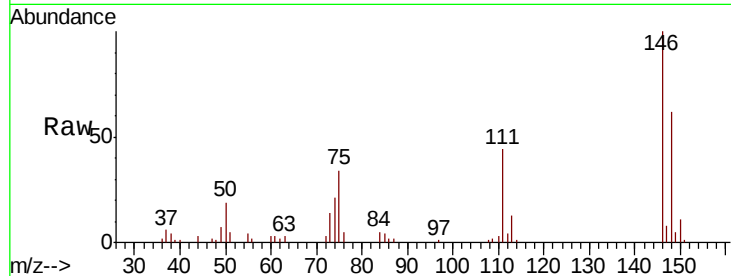




#59
 1,2,3-Trichloropropane
 Concen: 2.449 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.92 min
 Lab File: VU036995.D
 Acq: 02 Mar 2020 13:47

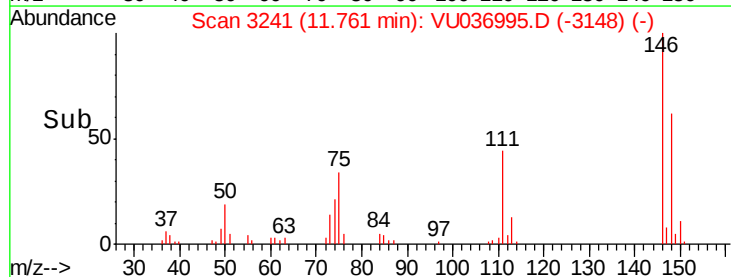
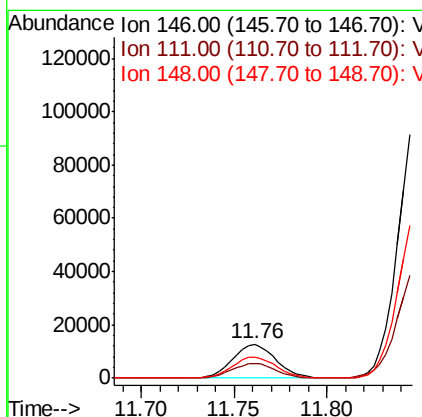
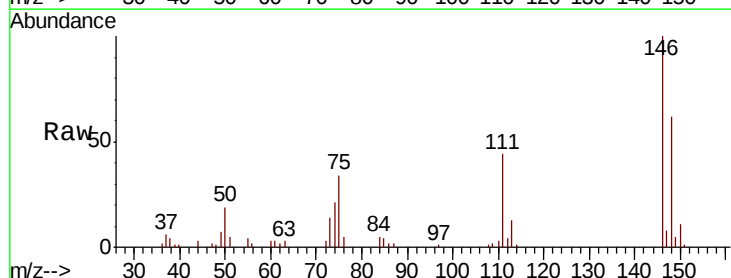
Instrument :
 MSVOA_U
 ClientSampled :

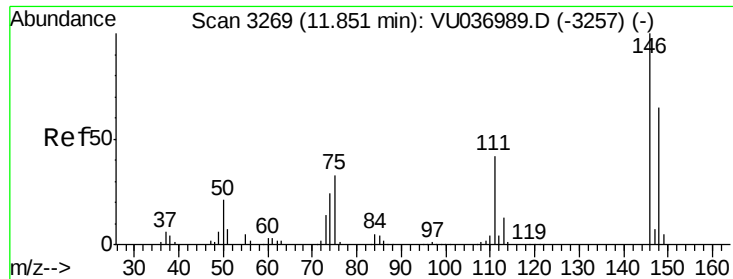
Tot Ion: 75 Resp: 7135
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.2#



#62
 1,3-Dichlorobenzene
 Concen: 5.874 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU036995.D
 Acq: 02 Mar 2020 13:47

Tgt Ion: 146 Resp: 20613
 Ion Ratio Lower Upper
 146 100
 111 44.3 30.7 56.9
 148 62.3 44.2 82.2





#63

1,4-Dichlorobenzene

Concen: 52.126 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU036995.D

Acq: 02 Mar 2020 13:47

Instrument :

MSVOA_U

ClientSampled :

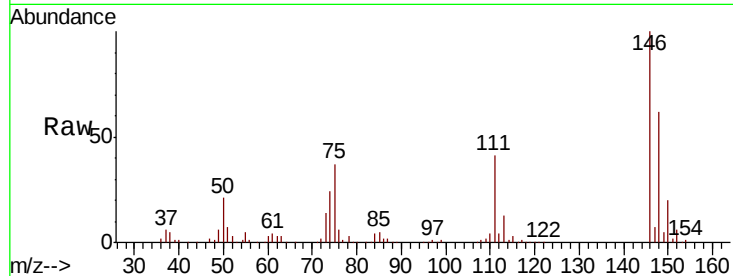
Tot Ion:146 Resp: 180714

Ion Ratio Lower Upper

146 100

111 40.9 29.8 55.4

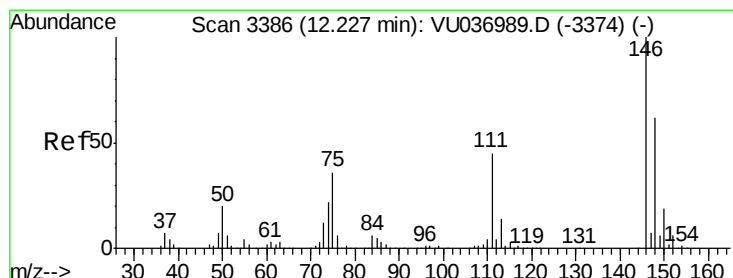
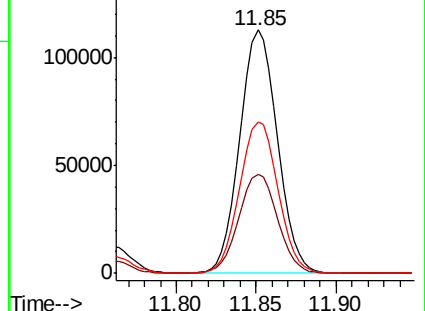
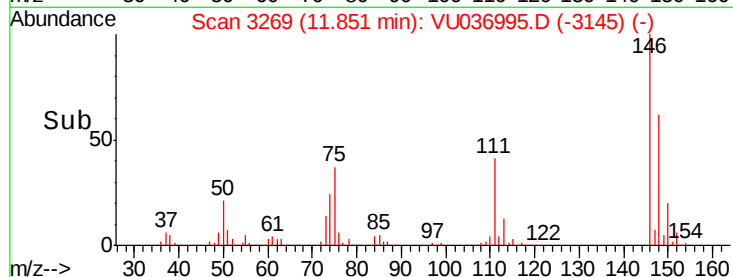
148 62.4 45.1 83.9



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



#65

1,2-Dichlorobenzene

Concen: 68.390 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU036995.D

Acq: 02 Mar 2020 13:47

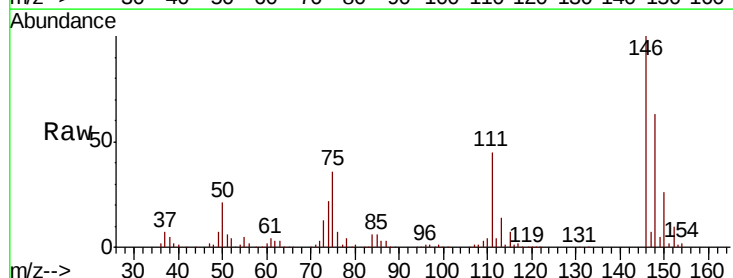
Tgt Ion:146 Resp: 239618

Ion Ratio Lower Upper

146 100

111 44.7 35.4 53.0

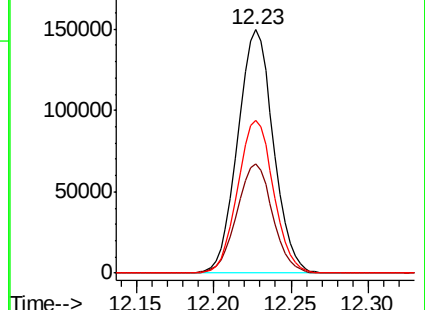
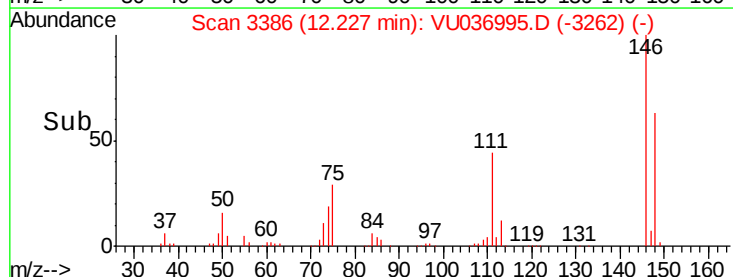
148 62.8 50.5 75.7

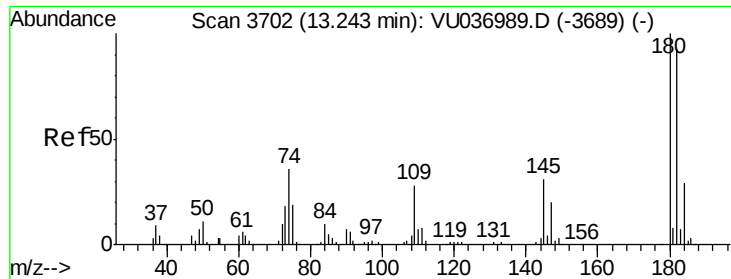


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

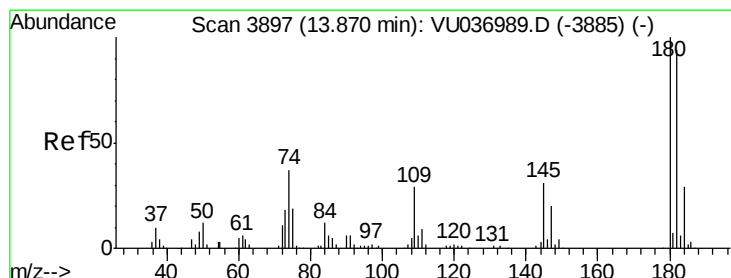
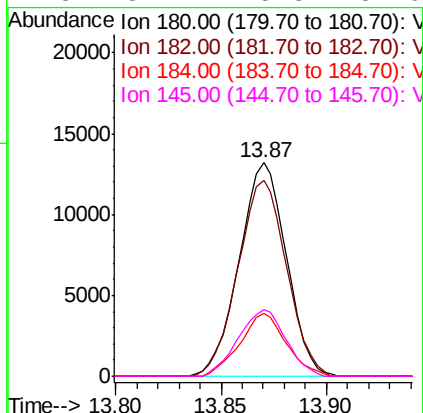
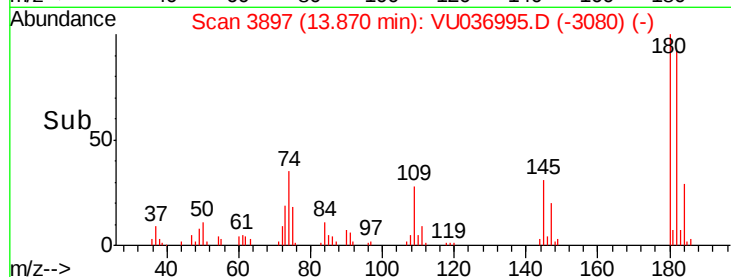
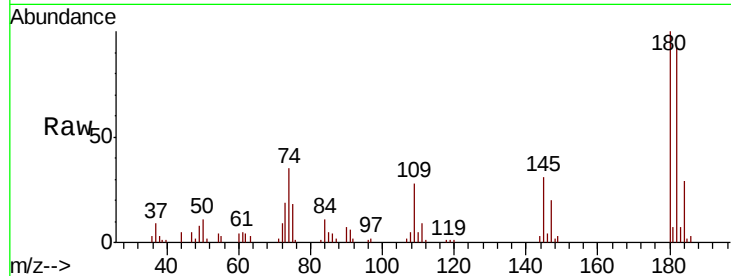




#67
 1,3,5-Trichlorobenzene
 Concen: 9.203 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.63 min
 Lab File: VU036995.D
 Acq: 02 Mar 2020 13:47

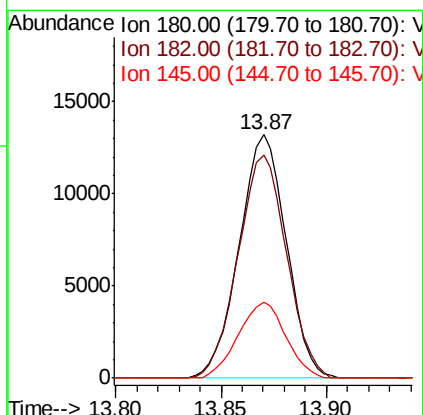
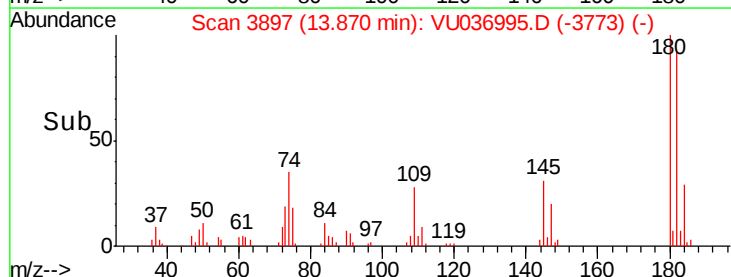
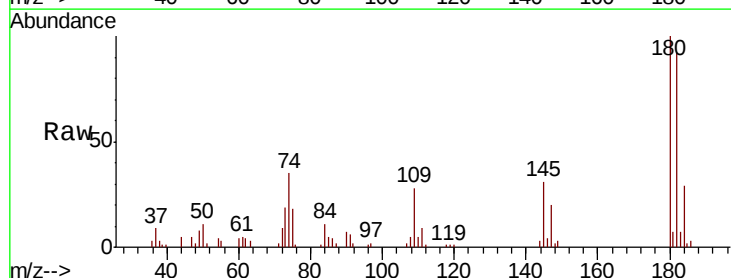
Instrument :
 MSVOA_U
 ClientSampleId :

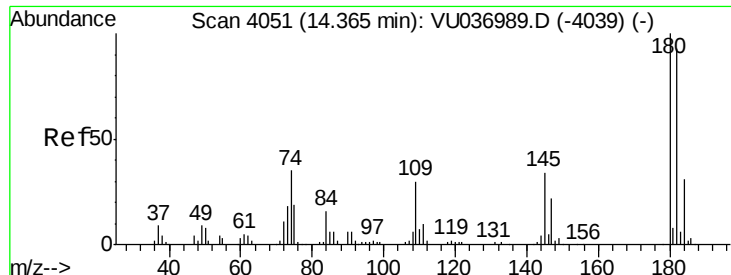
Tot Ion:180	Resp:	20499
Ion	Ratio	Lower Upper
180	100	
182	94.4	76.9 115.3
184	28.8	24.2 36.2
145	31.4	25.3 37.9



#68
 1,2,4-trichlorobenzene
 Concen: 12.284 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.00 min
 Lab File: VU036995.D
 Acq: 02 Mar 2020 13:47

Tgt Ion:180	Resp:	20499
Ion	Ratio	Lower Upper
180	100	
182	94.4	75.3 112.9
145	31.4	26.2 39.4





#70

1,2,3-Trichlorobenzene

Concen: 3.369 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.00 min

Lab File: VU036995.D

Acq: 02 Mar 2020 13:47

Instrument :

MSVOA_U

ClientSampleId :

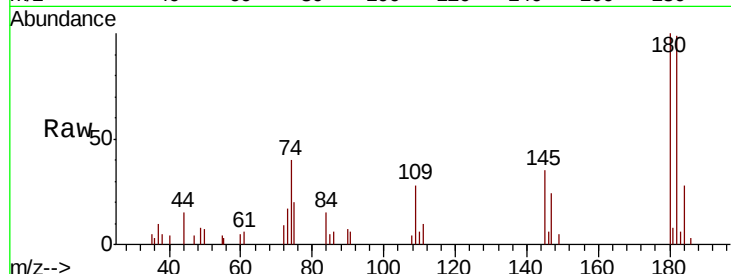
Tot Ion:180 Resp: 5618

Ion Ratio Lower Upper

180 100

182 93.0 77.0 115.6

145 32.8 28.1 42.1



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

