

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032720\
 Data File : VU037402.D
 Acq On : 28 Mar 2020 04:58
 Operator : JC/MD
 Sample : L2005-03 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 28 07:05:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 06:44:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	236050	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	224772	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	115785	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	75385	49.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.58%
7) Chloroethane-d5	1.93	69	58813	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.06%
11) 1,1-Dichloroethene-d2	2.59	63	120284	36.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.10%
21) 2-Butanone-d5	4.67	46	140670	103.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.37%
24) Chloroform-d	5.10	84	149776	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.50%
26) 1,2-Dichloroethane-d4	5.74	65	106421	52.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.16%
32) Benzene-d6	5.76	84	310475	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.44%
36) 1,2-Dichloropropane-d6	6.72	67	100228	50.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.20%
41) Toluene-d8	7.92	98	295777	50.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.70%
43) trans-1,3-Dichloropropene-	8.20	79	55393	48.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.00%
47) 2-Hexanone-d5	8.65	63	109120	94.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.98%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	147116	49.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.26%
64) 1,2-Dichlorobenzene-d4	12.21	152	113969	48.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.08%

Target Compounds

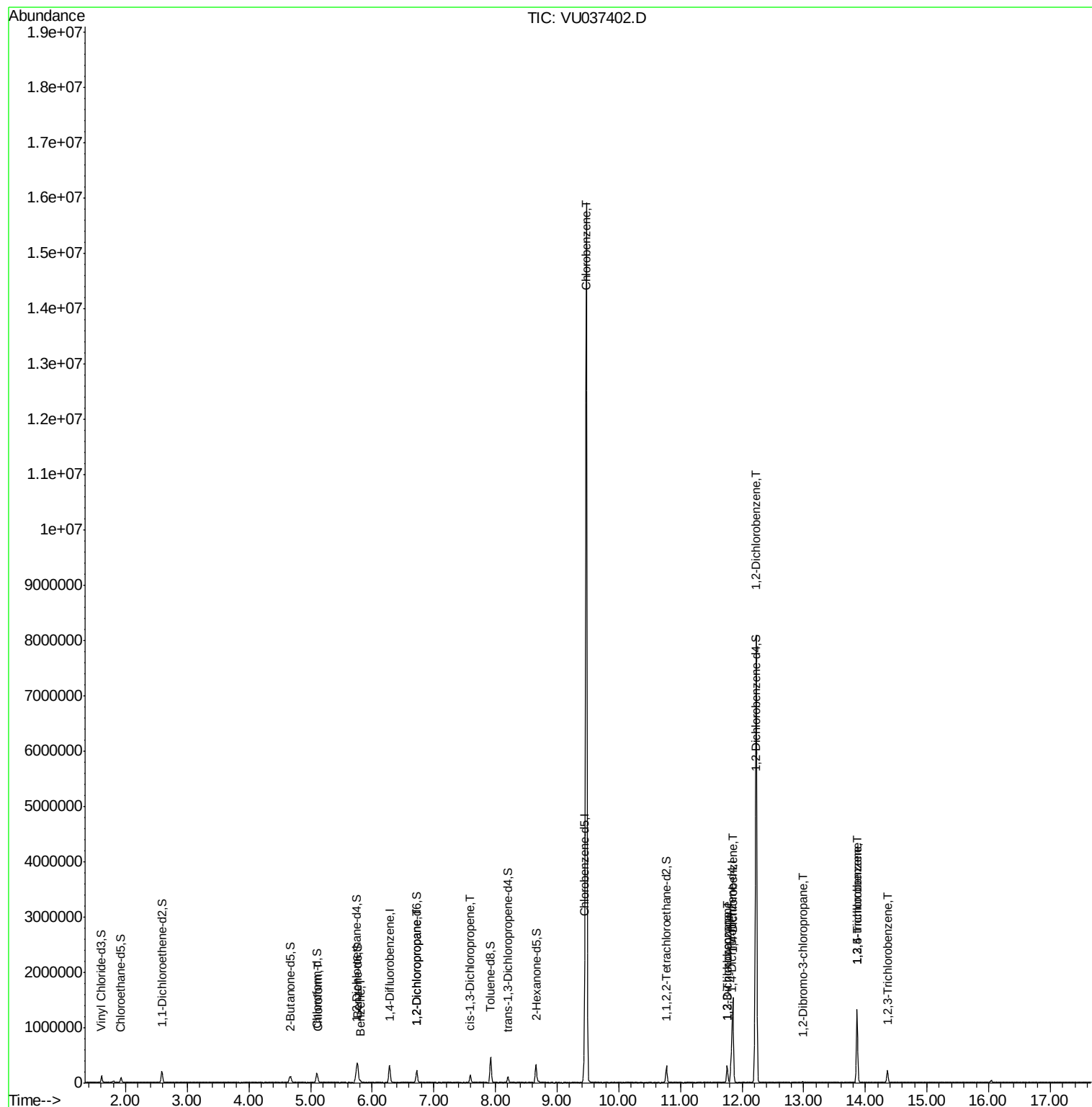
					Ovalue
25) Chloroform	5.12	83	4897	1.352 ug/L	89
33) Benzene	5.81	78	31446	3.966 ug/L	100
37) 1,2-Dichloropropane	6.72	63	11719	5.566 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3562	1.005 ug/L #	39
51) Chlorobenzene	9.47	112	8163700	1492.062 ug/L	95
59) 1,2,3-Trichloropropane	11.76	75	39635	13.688 ug/L #	44
62) 1,3-Dichlorobenzene	11.76	146	120856	26.775 ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	581098	129.032 ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	3128868	701.558 ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	2845	2.715 ug/L #	1
67) 1,3,5-Trichlorobenzene	13.87	180	395873	112.978 ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	395873	114.918 ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	65703	19.030 ug/L	99

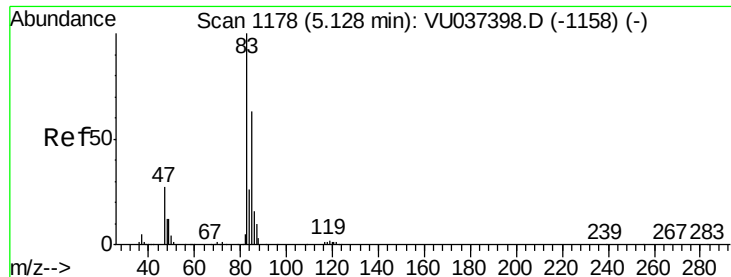
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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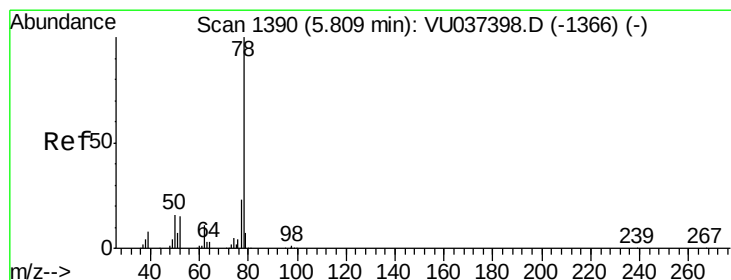
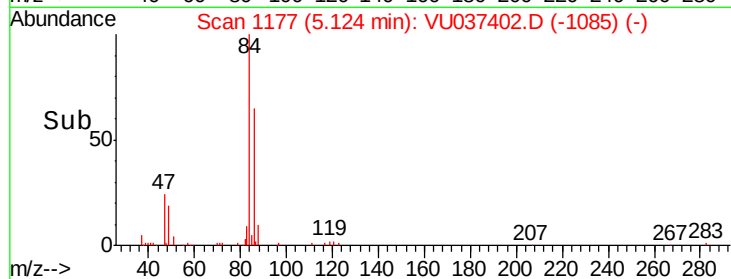
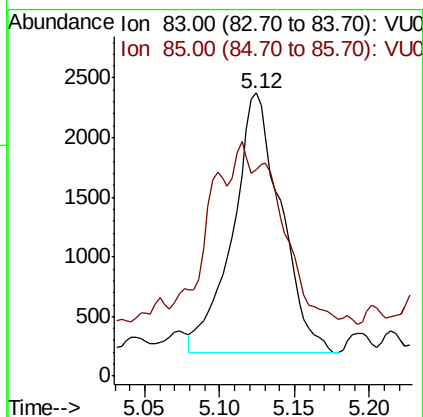
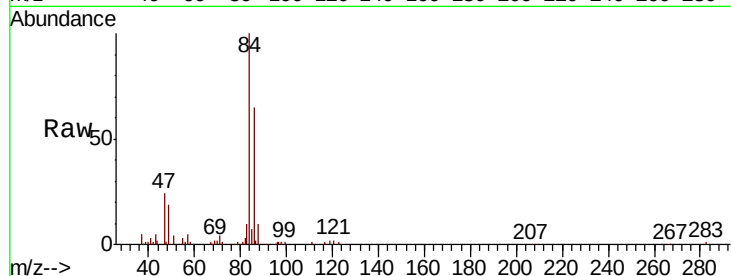




#25
Chloroform
Concen: 1.352 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037402.D
Acq: 28 Mar 2020 04:58

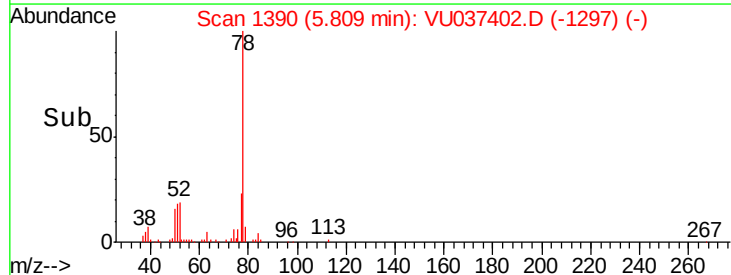
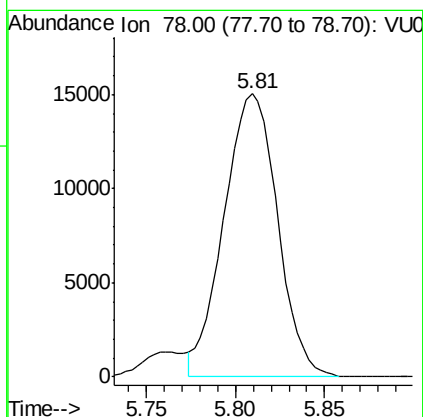
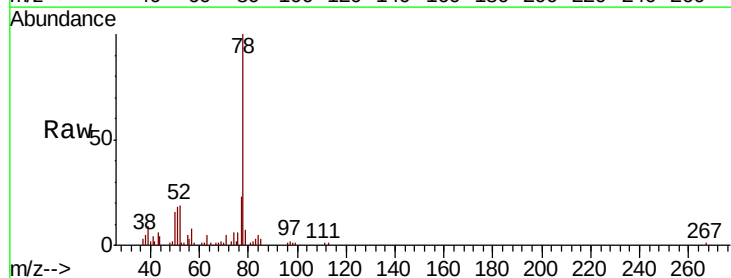
Instrument :
MSVOA_U
ClientSampleId :

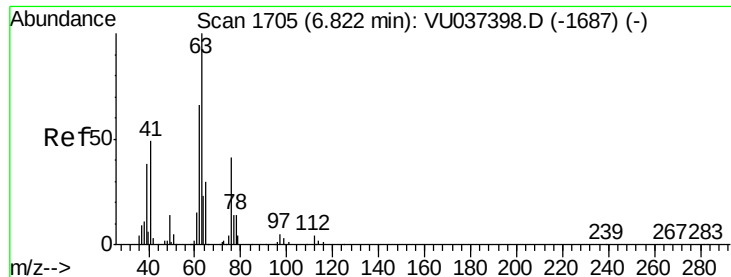
Tot Ion: 83 Resp: 4897
Ion Ratio Lower Upper
83 100
85 73.0 45.1 83.7



#33
Benzene
Concen: 3.966 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU037402.D
Acq: 28 Mar 2020 04:58

Tgt Ion: 78 Resp: 31446

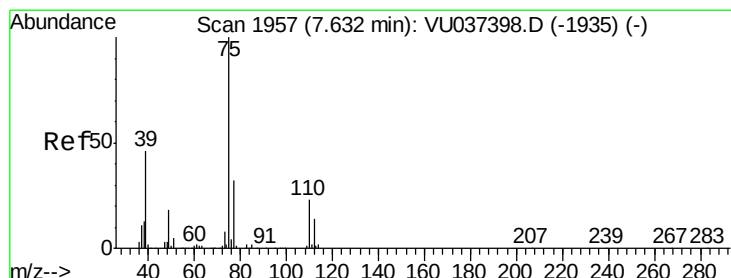
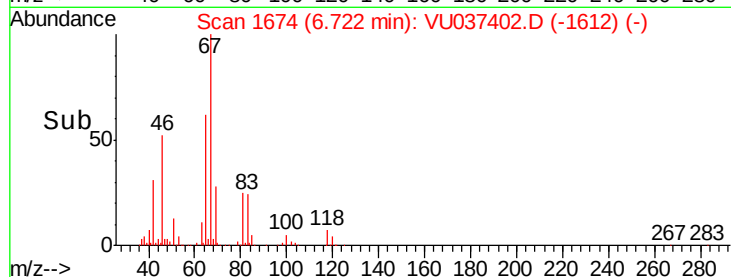
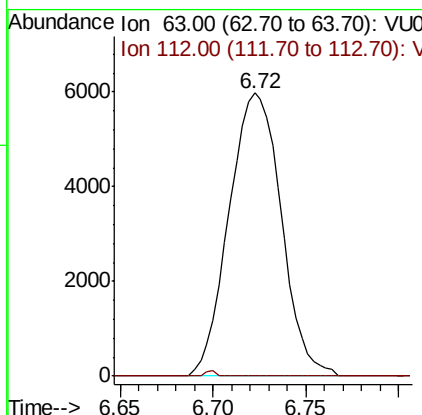
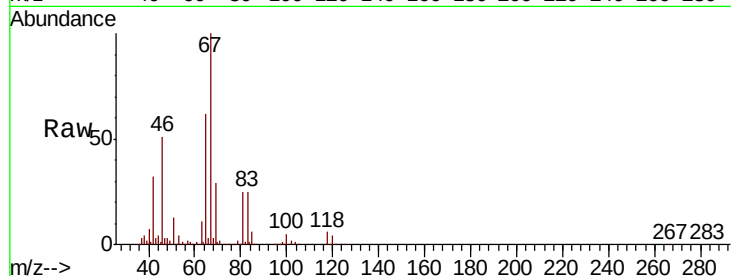




#37
 1,2-Dichloropropane
 Concen: 5.566 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037402.D
 Acq: 28 Mar 2020 04:58

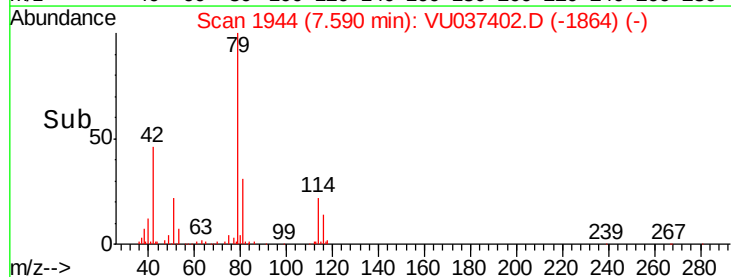
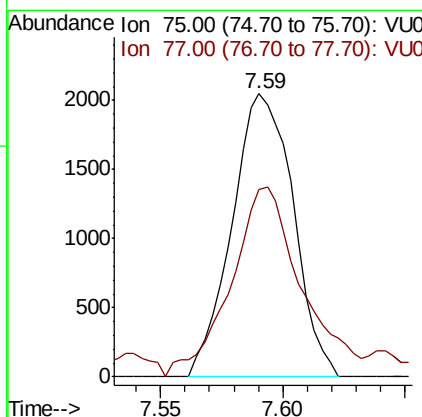
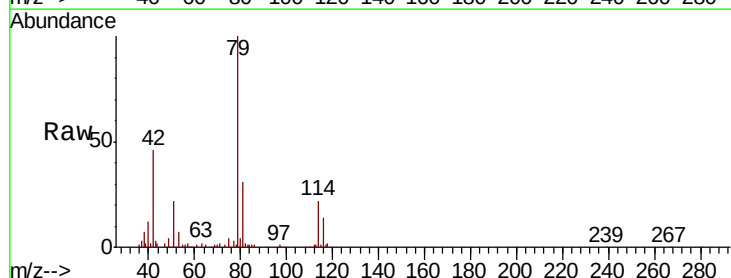
Instrument :
 MSVOA_U
 ClientSampleId :

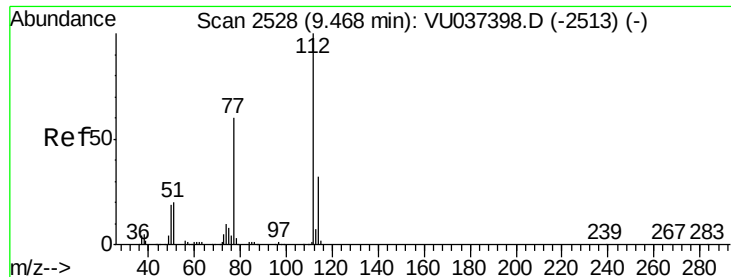
Tot Ion: 63 Resp: 11719
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 1.005 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037402.D
 Acq: 28 Mar 2020 04:58

Tgt Ion: 75 Resp: 3562
 Ion Ratio Lower Upper
 75 100
 77 66.2 22.5 41.9#





#51

Chlorobenzene

Concen: 1492.062 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. 0.01 min

Lab File: VU037402.D

Acq: 28 Mar 2020 04:58

Instrument :

MSVOA_U

ClientSampled :

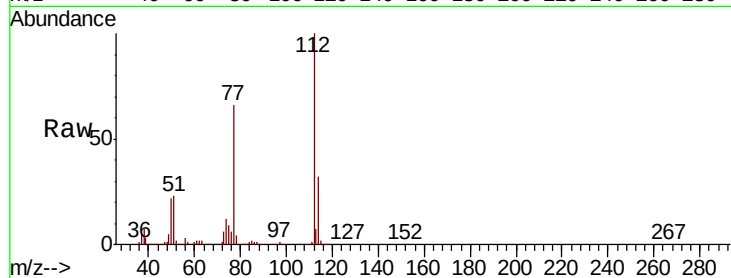
Tot Ion:112 Resp: 8163700

Ion Ratio Lower Upper

112 100

114 32.1 22.3 41.5

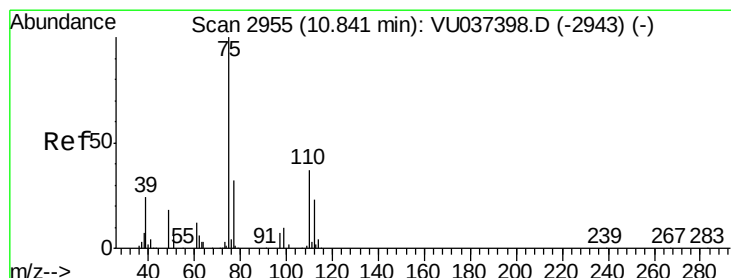
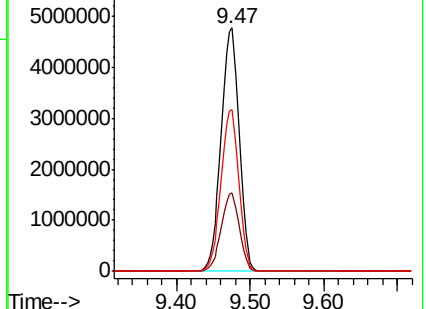
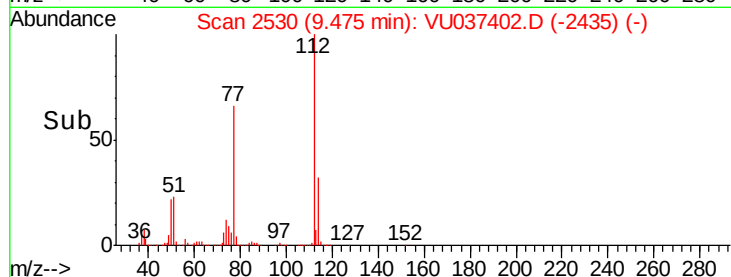
77 66.4 48.6 72.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU



#59

1,2,3-Trichloropropane

Concen: 13.688 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.92 min

Lab File: VU037402.D

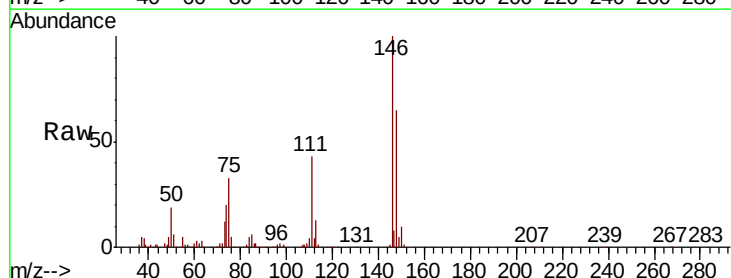
Acq: 28 Mar 2020 04:58

Tgt Ion: 75 Resp: 39635

Ion Ratio Lower Upper

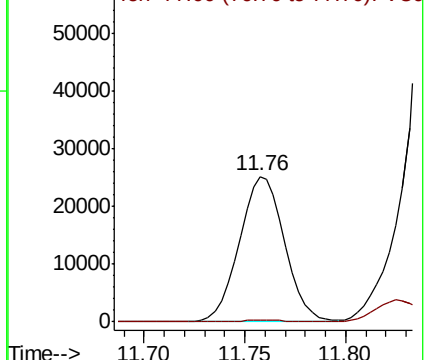
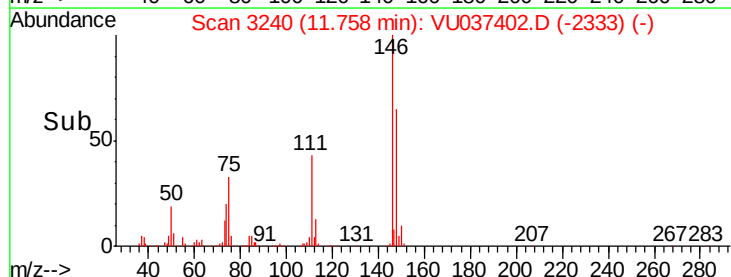
75 100

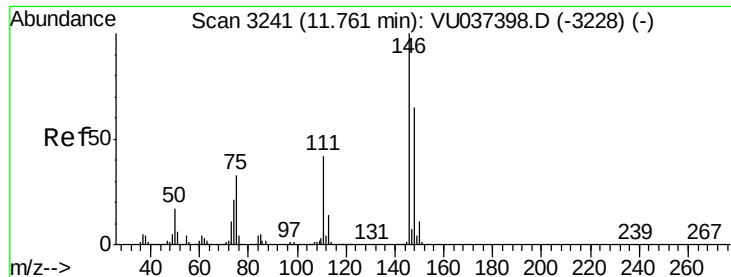
77 0.7 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

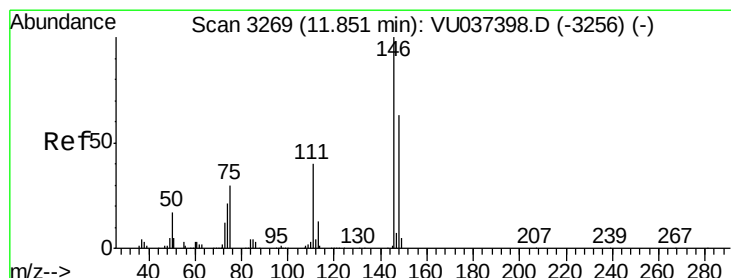
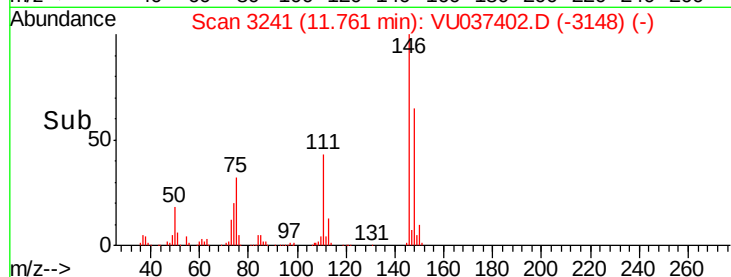
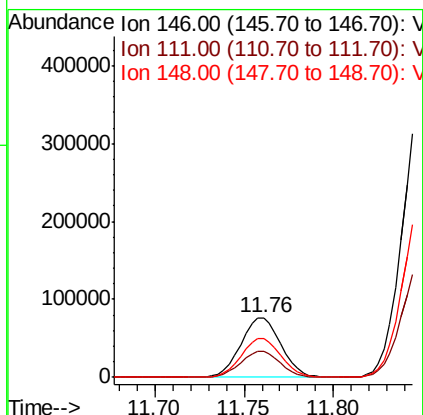
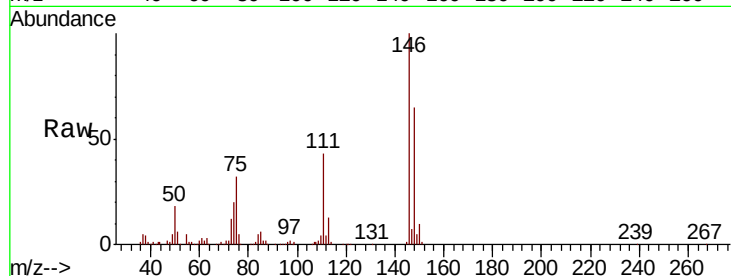




#62
 1,3-Dichlorobenzene
 Concen: 26.775 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037402.D
 Acq: 28 Mar 2020 04:58

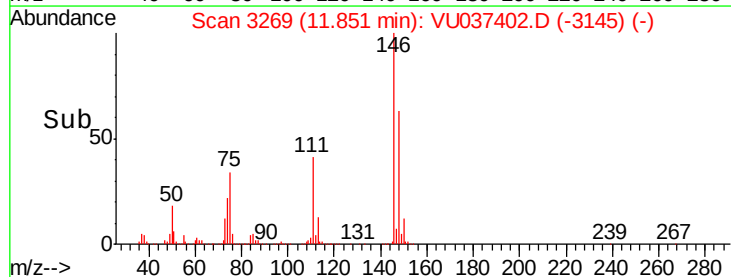
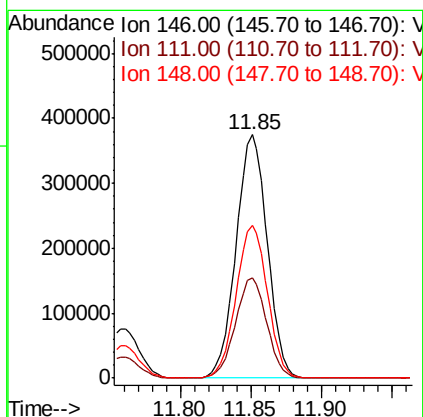
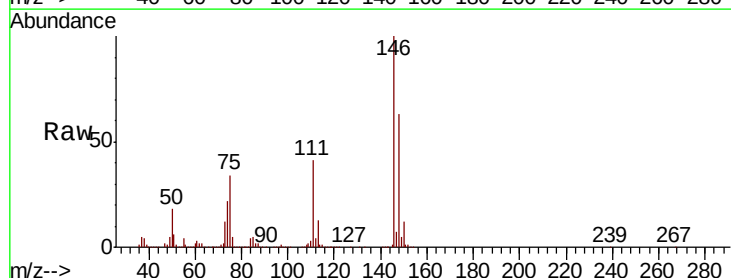
Instrument :
 MSVOA_U
 ClientSampleId :

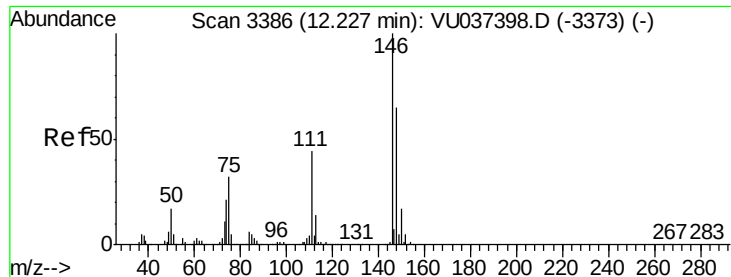
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	29.1	54.1
148	64.9	45.2	84.0



#63
 1,4-Dichlorobenzene
 Concen: 129.032 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037402.D
 Acq: 28 Mar 2020 04:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	28.4	52.8
148	62.7	45.6	84.8





#65

1,2-Dichlorobenzene

Concen: 701.558 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU037402.D

Acq: 28 Mar 2020 04:58

Instrument :

MSVOA_U

ClientSampleId :

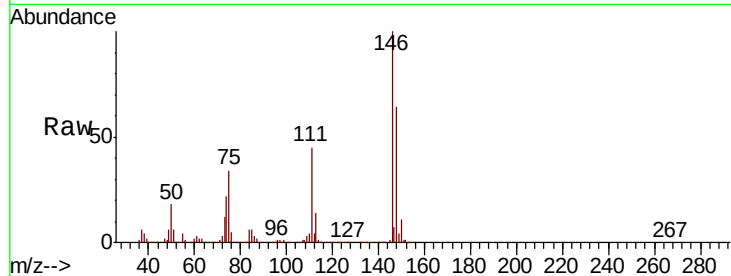
Tot Ion:146 Resp: 3128868

Ion Ratio Lower Upper

146 100

111 44.5 33.6 50.4

148 63.5 51.9 77.9

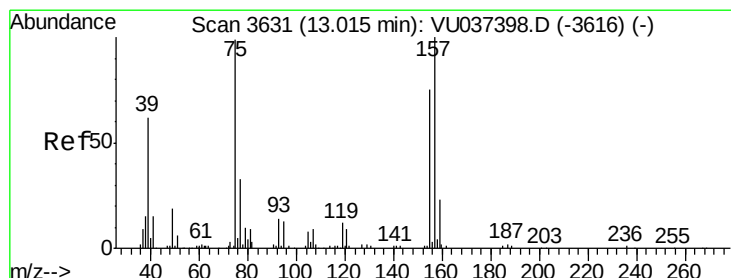
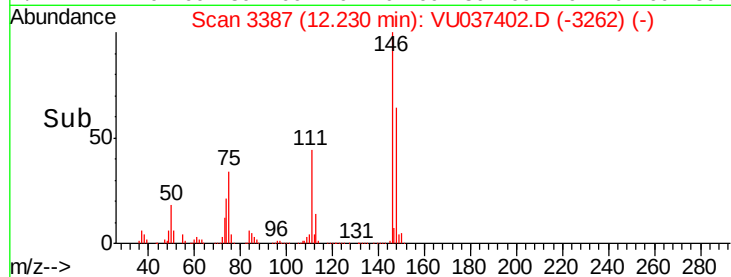
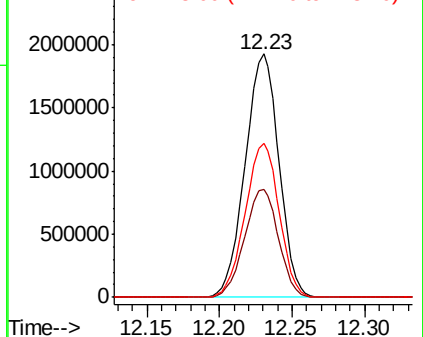


Abundance

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



#66

1,2-Dibromo-3-chloropropane

Concen: 2.715 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.03 min

Lab File: VU037402.D

Acq: 28 Mar 2020 04:58

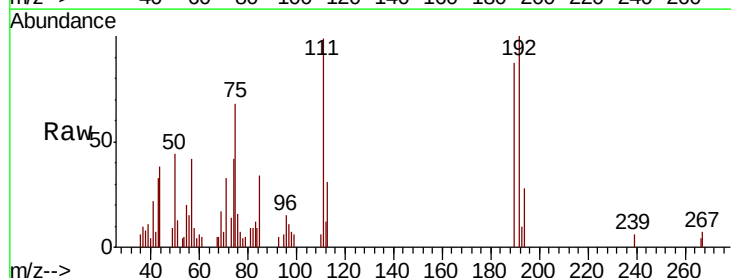
Tgt Ion: 75 Resp: 2845

Ion Ratio Lower Upper

75 100

155 0.0 68.5 102.7#

157 0.0 86.5 129.7#

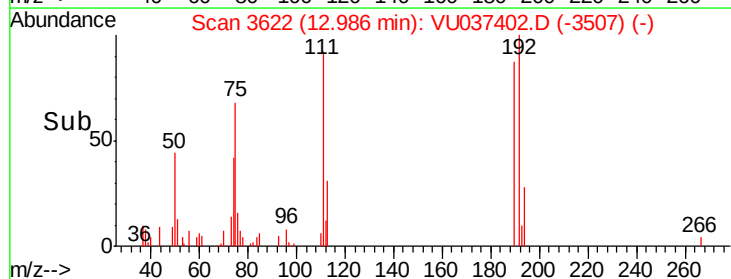
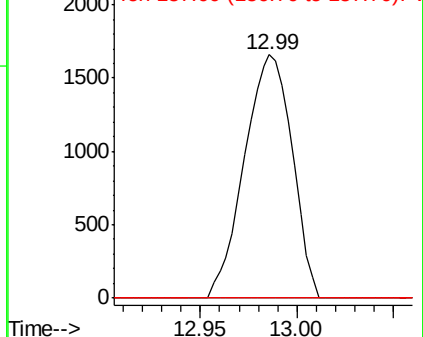


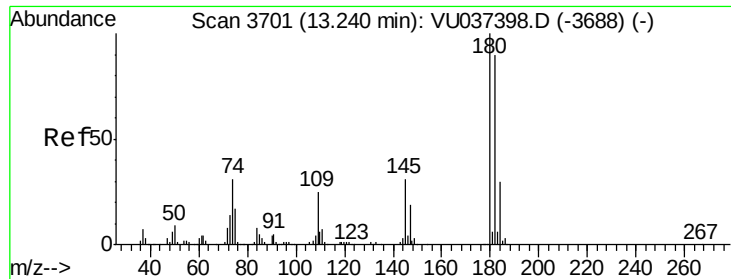
Abundance

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

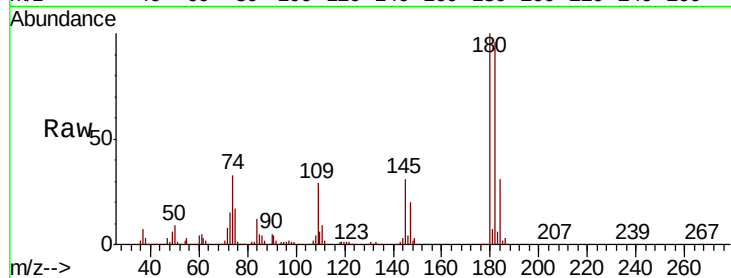




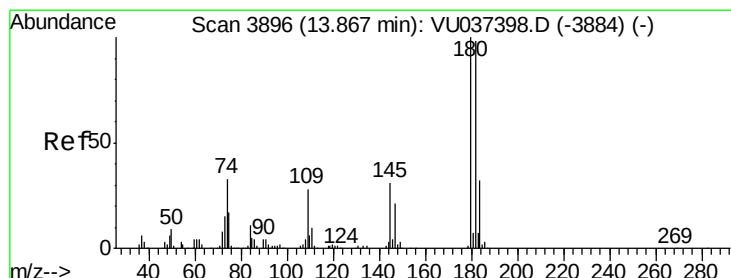
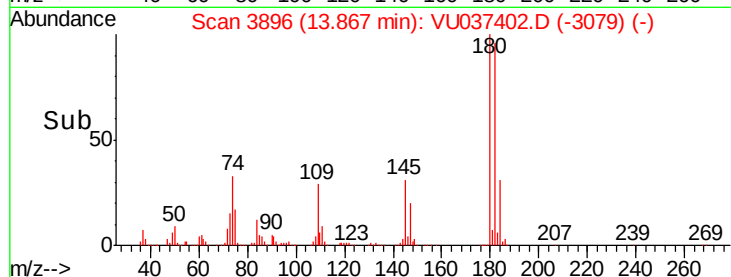
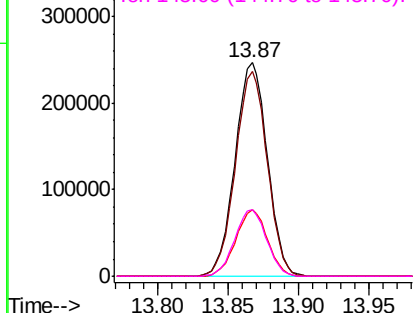
#67
 1,3,5-Trichlorobenzene
 Concen: 112.978 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.63 min
 Lab File: VU037402.D
 Acq: 28 Mar 2020 04:58

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	395873
Ion Ratio	Lower	Upper
180	100	
182	94.7	77.3 115.9
184	30.4	24.6 37.0
145	30.8	23.6 35.4

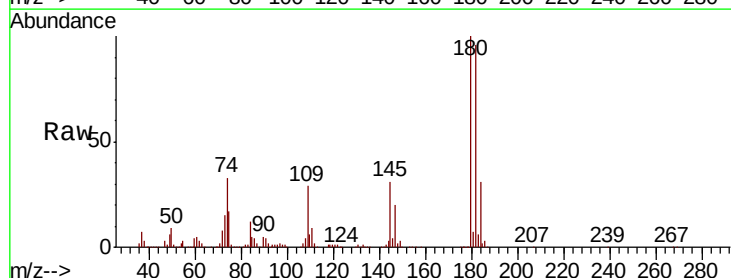


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

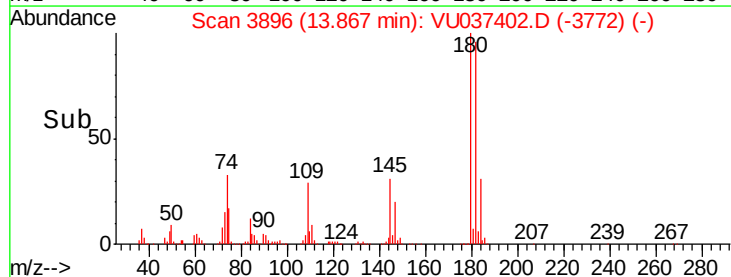
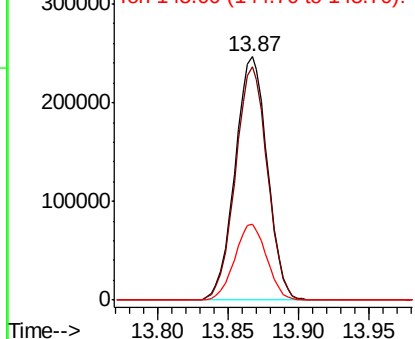


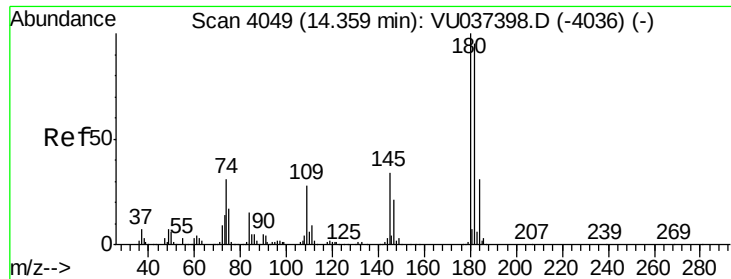
#68
 1,2,4-trichlorobenzene
 Concen: 114.918 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU037402.D
 Acq: 28 Mar 2020 04:58

Tgt Ion:180	Resp:	395873
Ion Ratio	Lower	Upper
180	100	
182	94.7	76.4 114.6
145	30.8	24.6 36.8



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





#70

1,2,3-Trichlorobenzene

Concen: 19.030 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU037402.D

Acq: 28 Mar 2020 04:58

Instrument :

MSVOA_U

ClientSampleId :

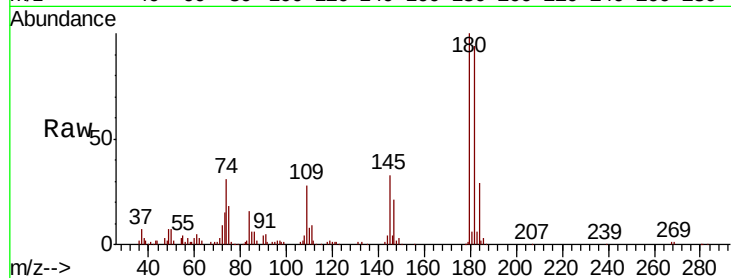
Tot Ion:180 Resp: 65703

Ion Ratio Lower Upper

180 100

182 95.1 77.0 115.6

145 33.2 25.6 38.4



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

