

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111419\
 Data File : VV013631.D
 Acq On : 14 Nov 2019 19:40
 Operator : SY/MD
 Sample : K5856-02MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 15 02:45:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 15 02:40:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	333010	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	333870	5.00	ug/L	-0.02
60) 1,4-Dichlorobenzene-d4	11.29	152	148523	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	110993	5.19	ug/L	-0.03
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.80%
7) Chloroethane-d5	1.58	69	97871	5.74	ug/L	-0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.80%
11) 1,1-Dichloroethene-d2	2.13	63	198729	5.43	ug/L	-0.03
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.60%
20) 2-Butanone-d5	3.92	46	288649	75.35	ug/L	-0.10
Spiked Amount	50.000	Range	40 - 130	Recovery	=	150.70%#
24) Chloroform-d	4.40	84	228550	6.23	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.60%
26) 1,2-Dichloroethane-d4	5.08	65	120524	6.73	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	134.60%#
32) Benzene-d6	5.10	84	438119	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
36) 1,2-Dichloropropane-d6	6.11	67	140689	5.10	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.36	98	366644	4.50	ug/L	-0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.66	79	51510	5.02	ug/L	-0.03
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	8.13	63	233292	56.96	ug/L	-0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.92%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	108243	5.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	154773	5.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.00%

Target Compounds

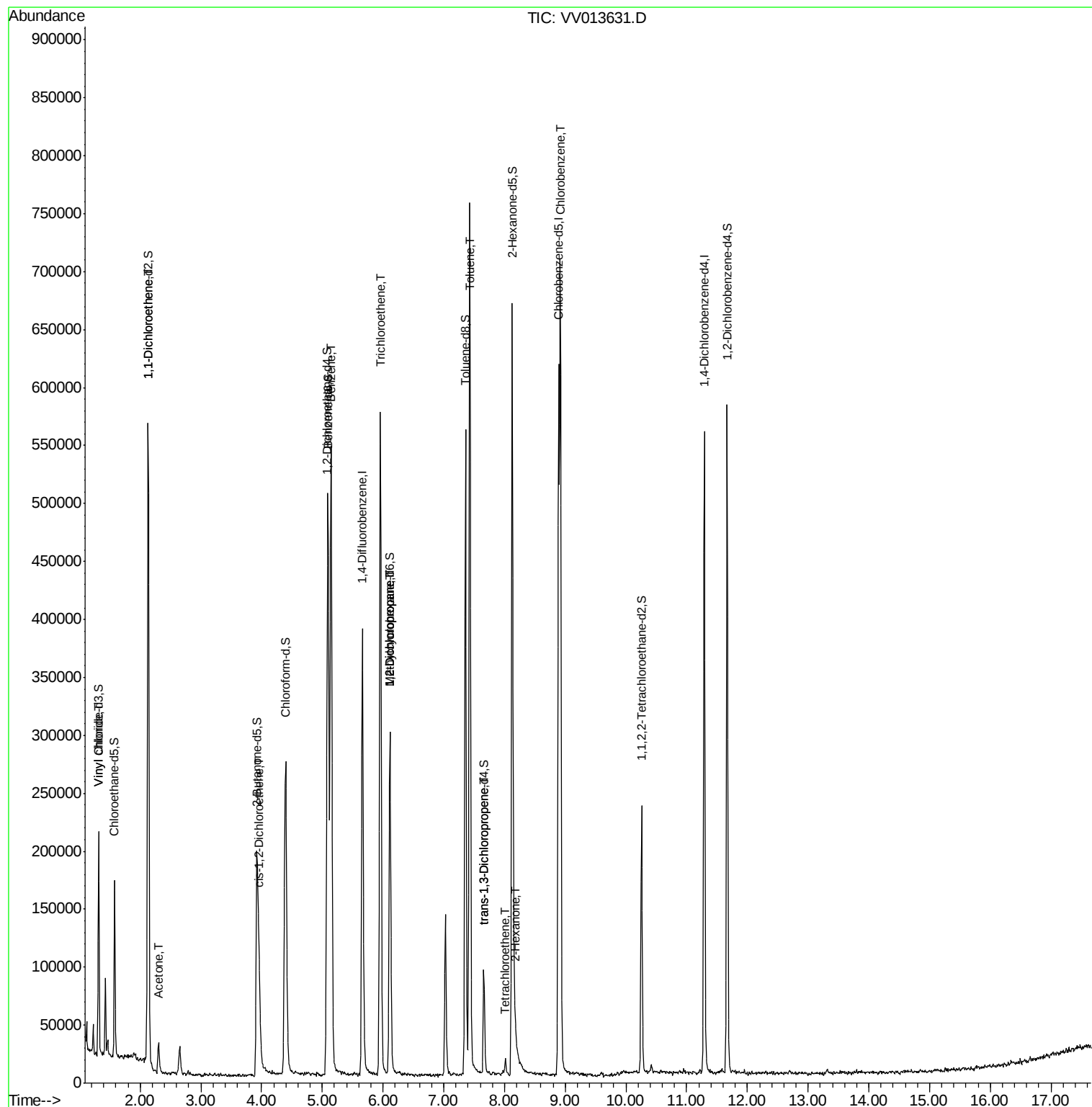
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	3499	0.128	ug/L #	38
12) 1,1-Dichloroethene	2.14	96	116251	6.005	ug/L	87
13) Acetone	2.30	43	7533	3.041	ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	28126	1.237	ug/L #	84
33) Benzene	5.14	78	534827	5.483	ug/L	100
34) Trichloroethene	5.96	95	192469	7.030	ug/L	98
35) Methylcyclohexane	6.11	83	34310	0.862	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	15901	0.631	ug/L #	100
42) Toluene	7.43	91	541002	5.107	ug/L	100
44) trans-1,3-Dichloropropene	7.66	75	2270	0.085	ug/L	86
47) Tetrachloroethene	8.02	164	3072	0.123	ug/L	83
48) 2-Hexanone	8.18	43	9313	0.940	ug/L #	92
51) Chlorobenzene	8.92	112	366268	5.276	ug/L	99

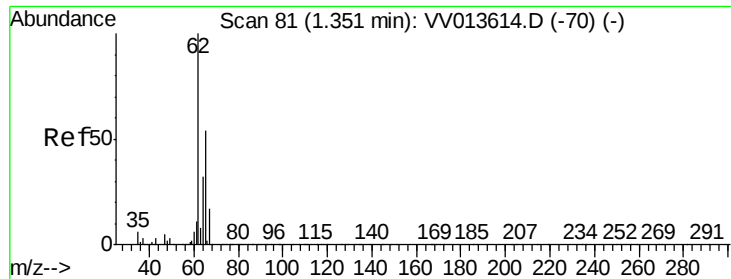
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 15 02:40:46 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.128 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.03 min

Lab File: VV013631.D

Acq: 14 Nov 2019 19:40

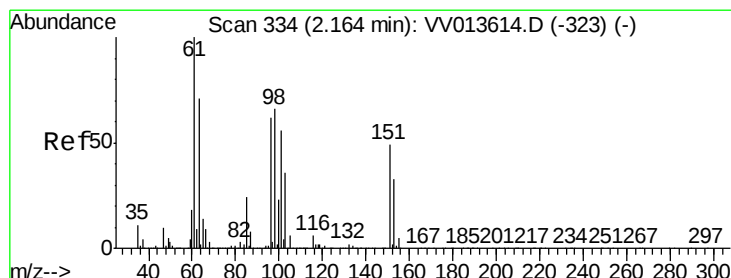
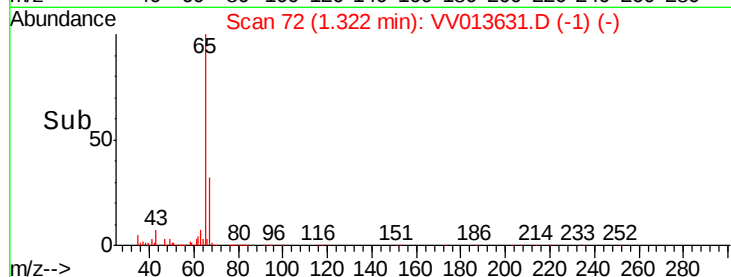
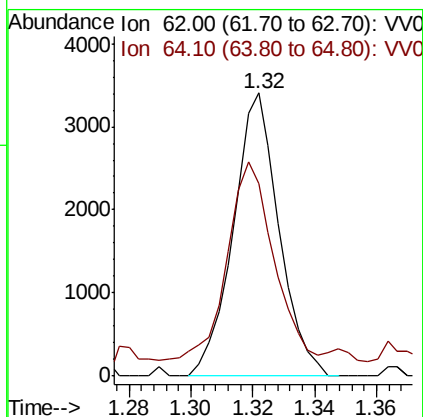
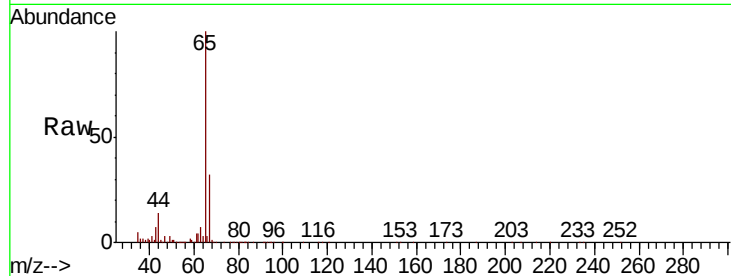
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 3499

Ion Ratio Lower Upper

62 100

64 67.8 23.0 42.8#



#12

1,1-Dichloroethene

Concen: 6.005 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.03 min

Lab File: VV013631.D

Acq: 14 Nov 2019 19:40

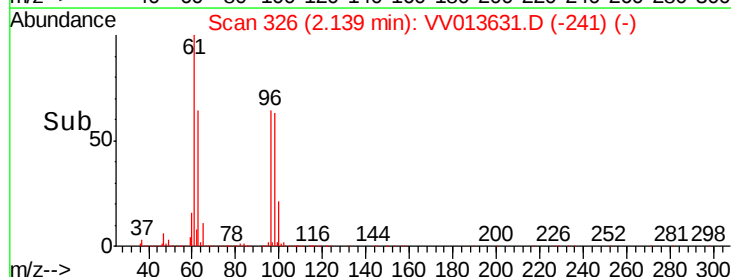
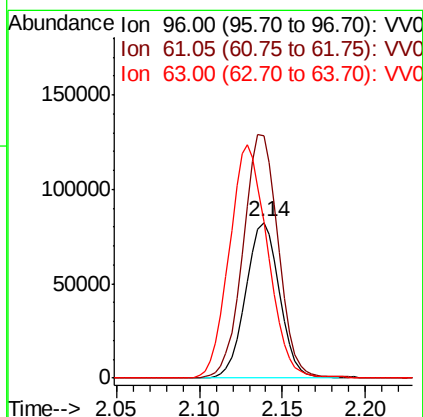
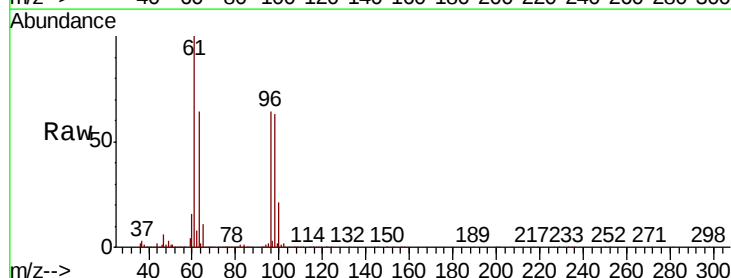
Tgt Ion: 96 Resp: 116251

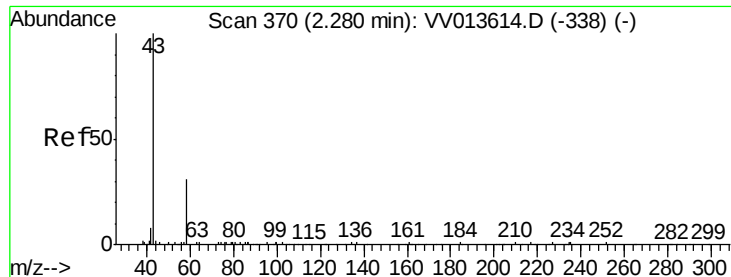
Ion Ratio Lower Upper

96 100

61 156.1 115.6 214.6

63 100.4 87.2 162.0





#13

Acetone

Concen: 3.041 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.02 min

Lab File: VV013631.D

Acq: 14 Nov 2019 19:40

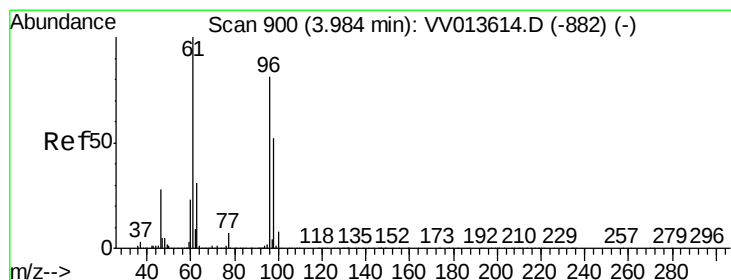
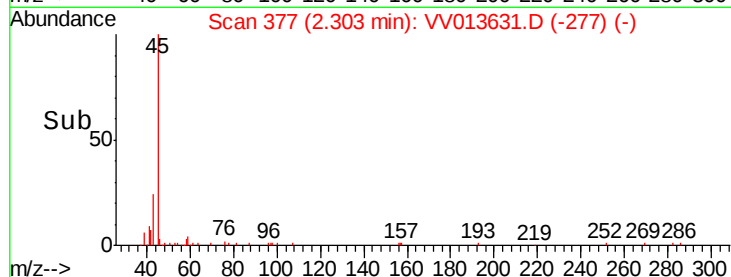
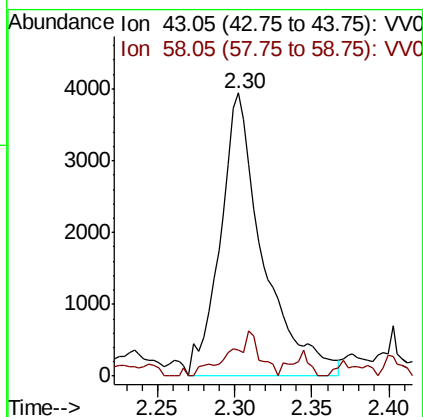
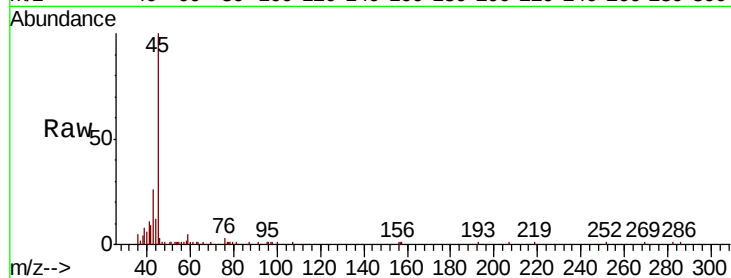
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 7533

Ion Ratio Lower Upper

43 100

58 11.2 0.0 28.8



#22

cis-1,2-Dichloroethene

Concen: 1.237 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.02 min

Lab File: VV013631.D

Acq: 14 Nov 2019 19:40

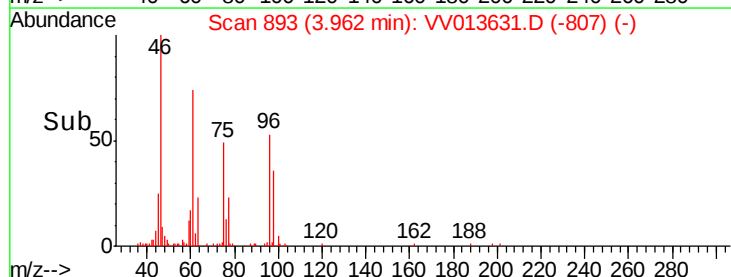
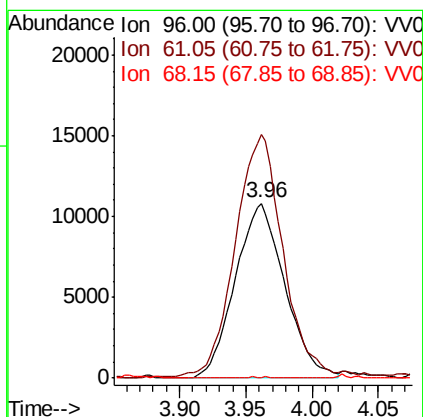
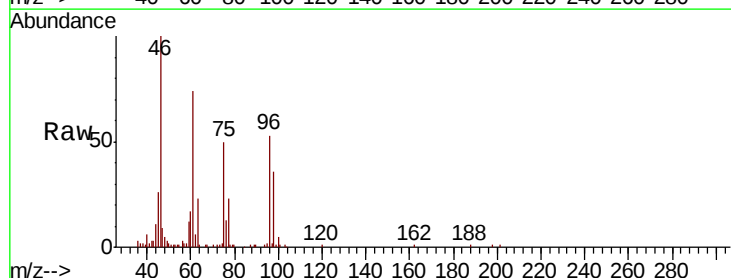
Tgt Ion: 96 Resp: 28126

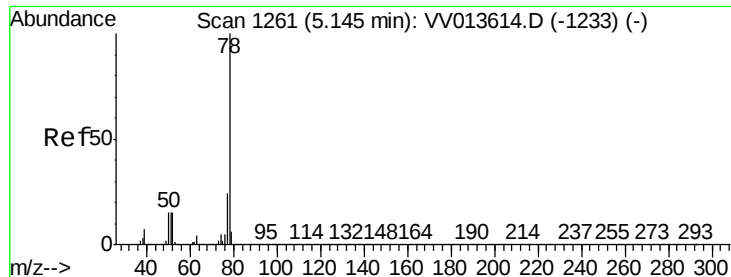
Ion Ratio Lower Upper

96 100

61 139.5 84.7 157.3

68 0.0 0.3 0.7#

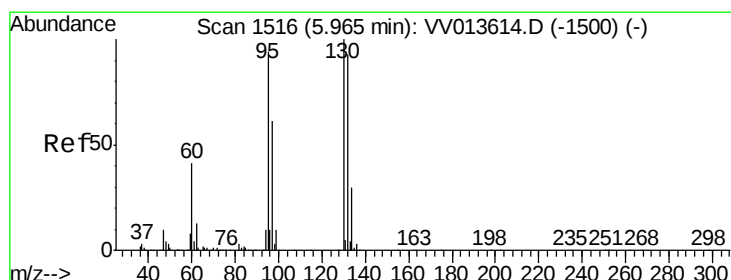
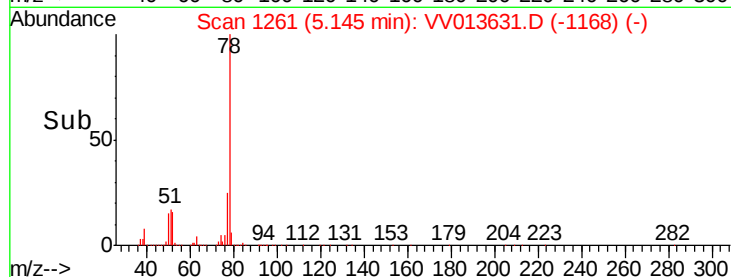
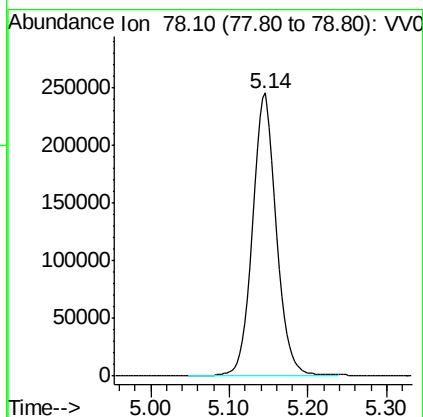
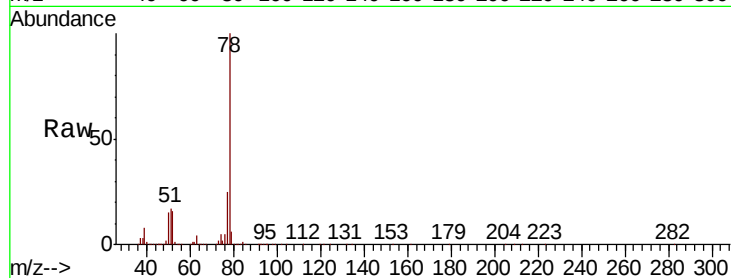




#33
Benzene
Concen: 5.483 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV013631.D
Acq: 14 Nov 2019 19:40

Tgt Ion: 78 Resp: 534827

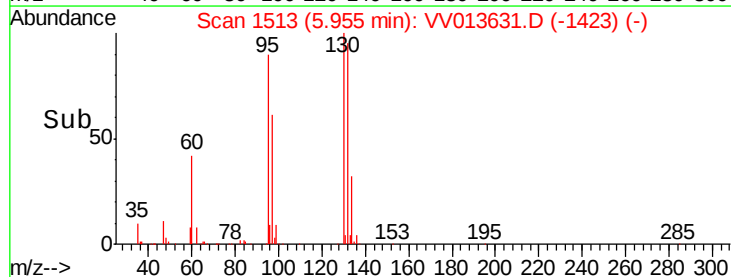
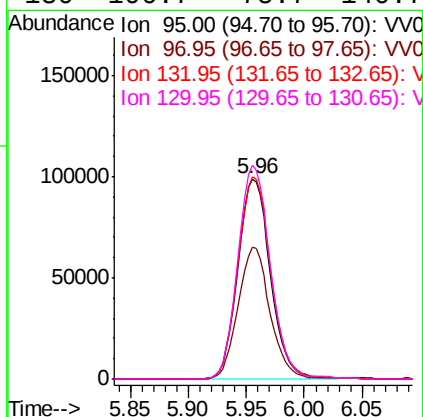
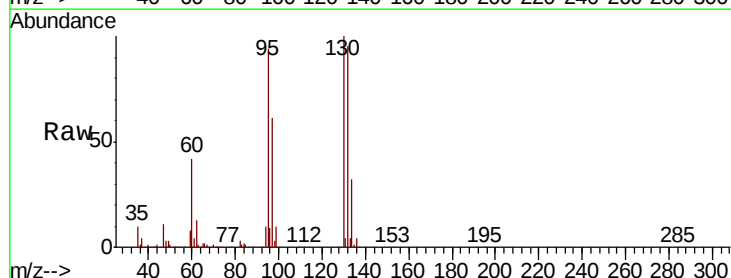
Instrument :
MSVOA_V
ClientSampleId :

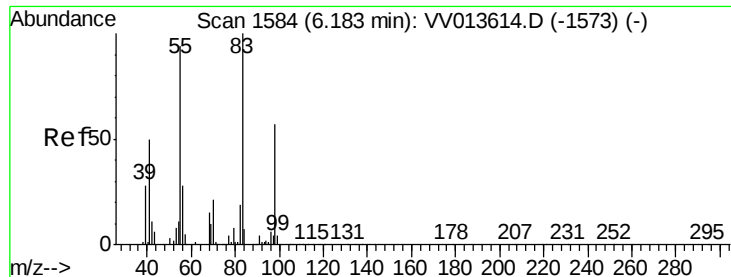


#34
Trichloroethene
Concen: 7.030 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VV013631.D
Acq: 14 Nov 2019 19:40

Tgt Ion: 95 Resp: 192469

Ion	Ratio	Lower	Upper
95	100		
97	65.6	47.0	87.4
132	101.2	72.2	134.0
130	106.7	75.7	140.7

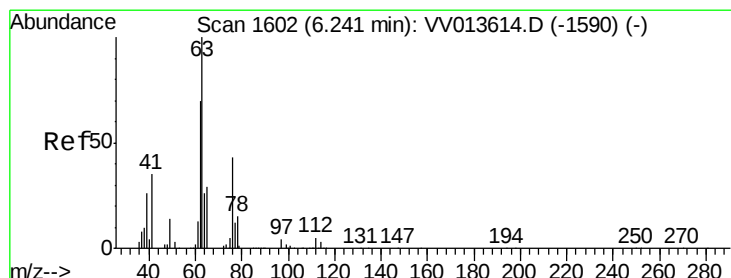
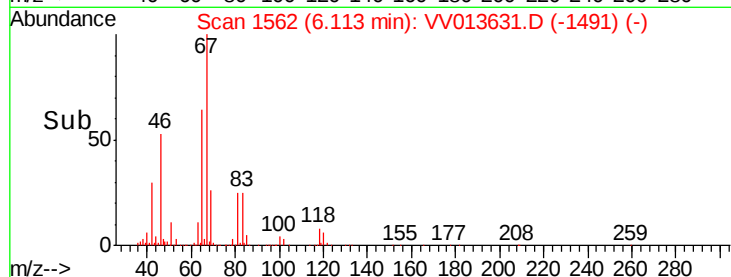
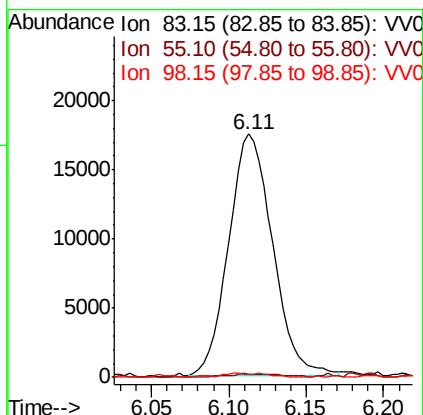
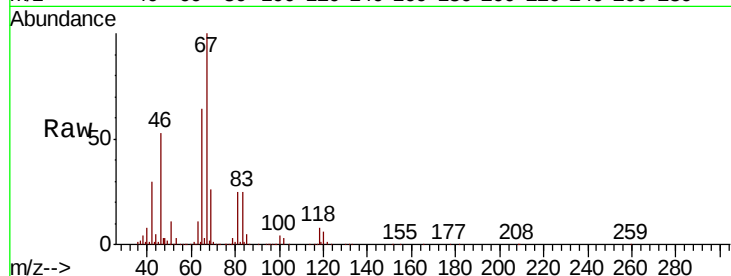




#35
Methvlcvclohexane
Concen: 0.862 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.07 min
Lab File: VV013631.D
Acq: 14 Nov 2019 19:40

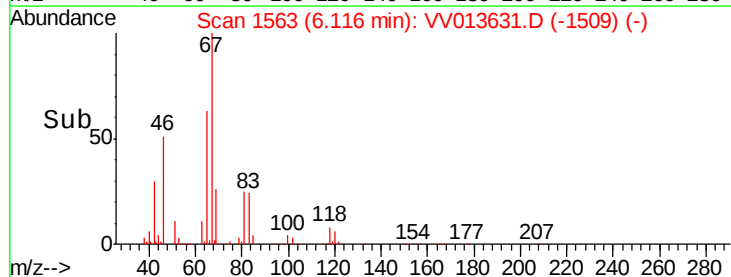
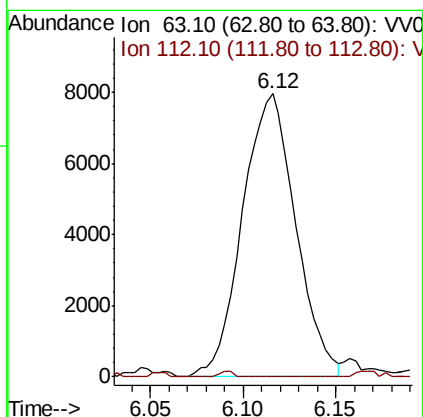
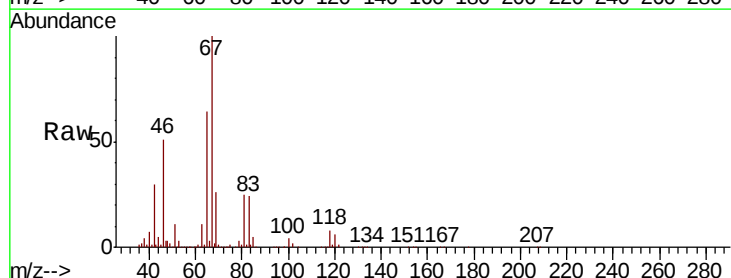
Instrument :
MSVOA_V
ClientSampleId :

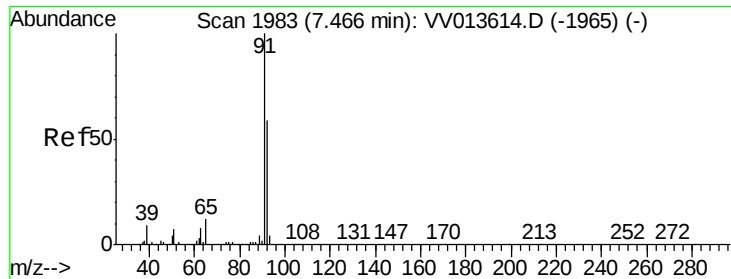
Tot Ion: 83 Resp: 34310
Ion Ratio Lower Upper
83 100
55 1.1 67.0 100.4#
98 0.9 38.5 57.7#



#37
1,2-Dichloropropane
Concen: 0.631 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.13 min
Lab File: VV013631.D
Acq: 14 Nov 2019 19:40

Tgt Ion: 63 Resp: 15901
Ion Ratio Lower Upper
63 100
112 0.5 0.2 0.2#





#42

Toluene

Concen: 5.107 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.04 min

Lab File: VV013631.D

Acq: 14 Nov 2019 19:40

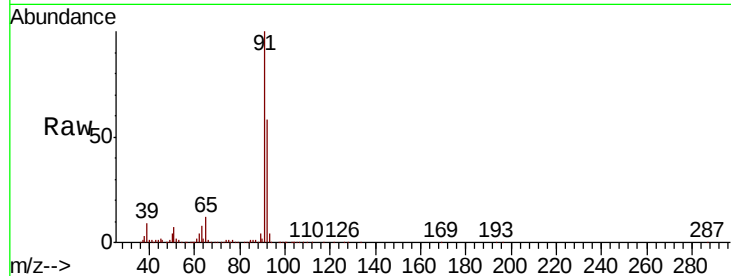
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 541002

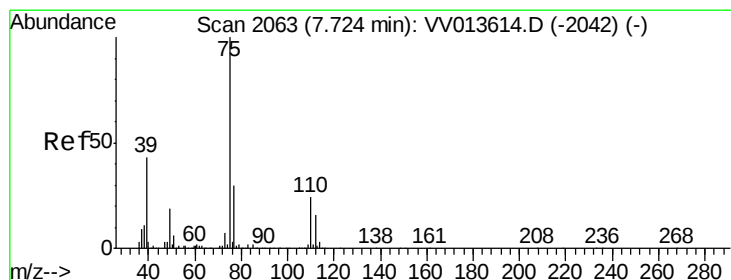
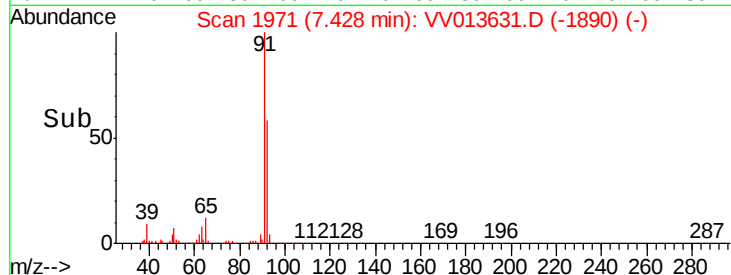
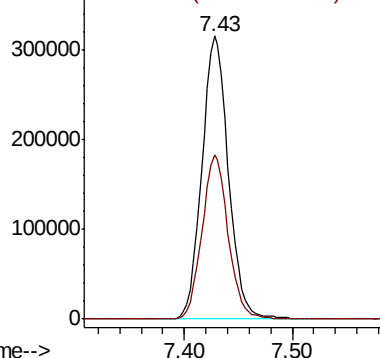
Ion Ratio Lower Upper

91 100

92 57.9 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.06 min

Lab File: VV013631.D

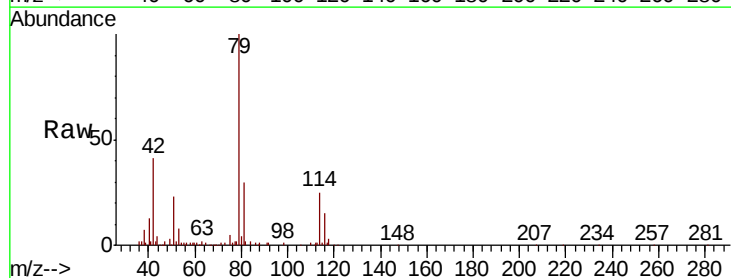
Acq: 14 Nov 2019 19:40

Tgt Ion: 75 Resp: 2270

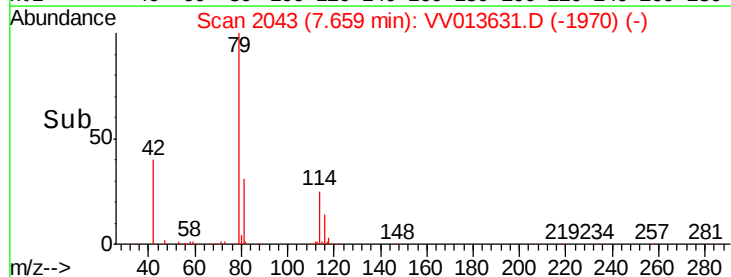
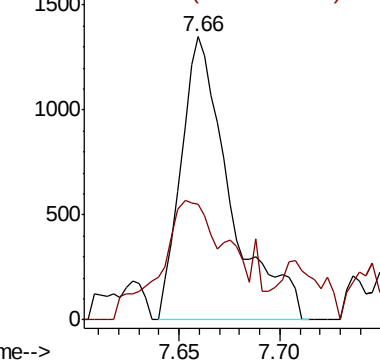
Ion Ratio Lower Upper

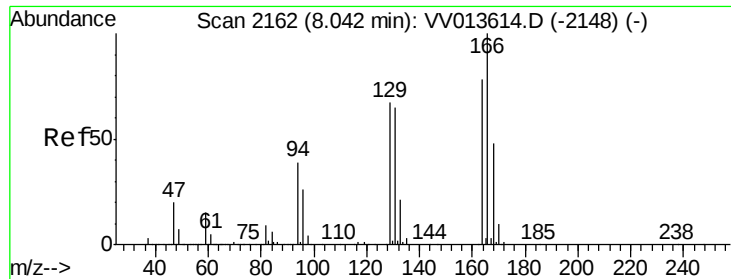
75 100

77 41.0 23.2 43.0



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0

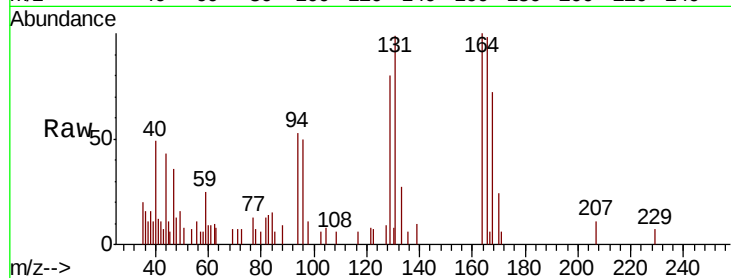




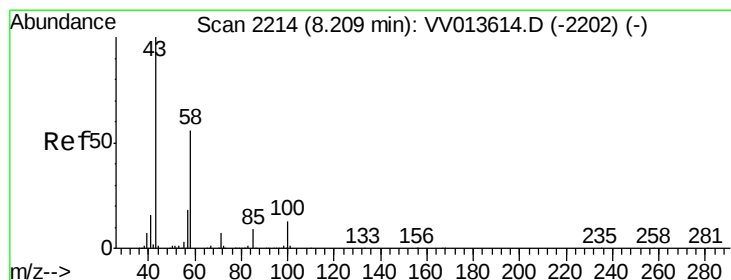
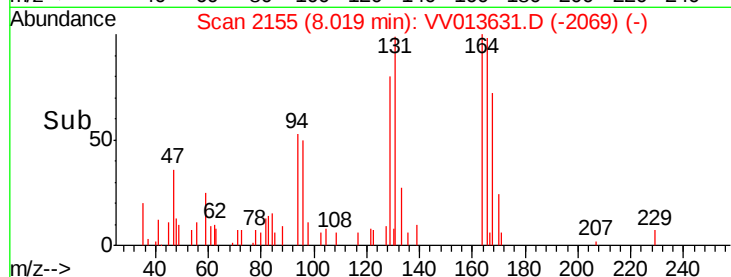
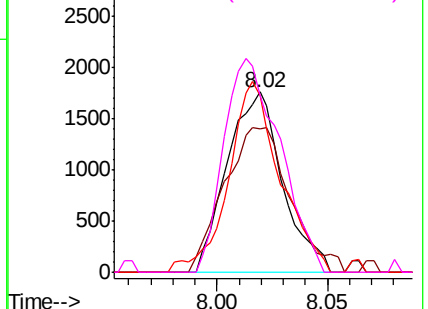
#47
Tetrachloroethene
Concen: 0.123 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.02 min
Lab File: VV013631.D
Acq: 14 Nov 2019 19:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 3072
Ion Ratio Lower Upper
164 100
129 79.9 61.6 114.4
131 98.5 59.0 109.6
166 98.3 87.9 163.3

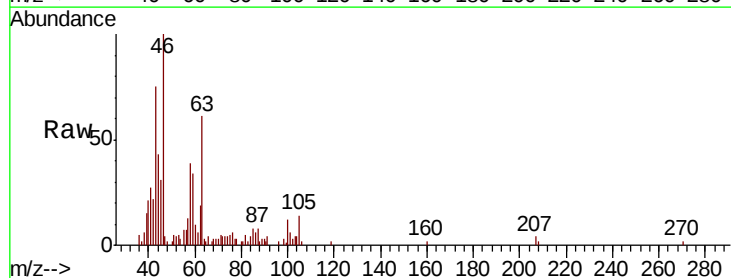


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

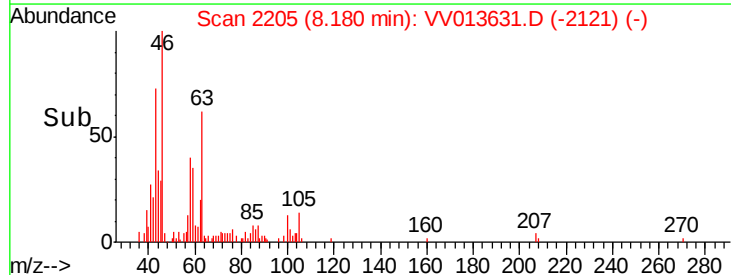
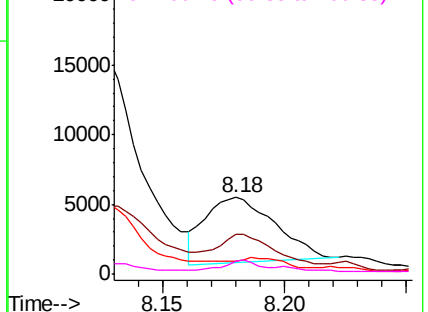


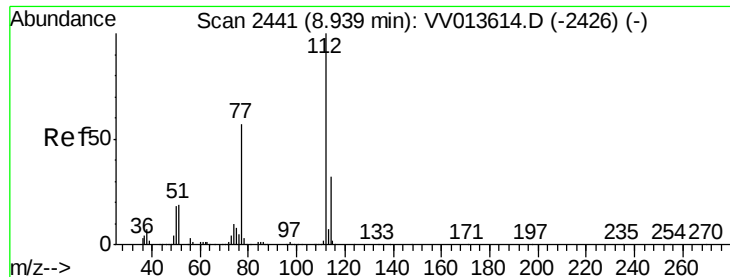
#48
2-Hexanone
Concen: 0.940 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.03 min
Lab File: VV013631.D
Acq: 14 Nov 2019 19:40

Tgt Ion: 43 Resp: 9313
Ion Ratio Lower Upper
43 100
58 52.7 45.1 67.7
57 15.9 14.6 21.8
100 21.3 10.2 15.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0





#51

Chlorobenzene

Concen: 5.276 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.02 min

Lab File: VV013631.D

Acq: 14 Nov 2019 19:40

Instrument :
MSVOA_V
ClientSampleId :

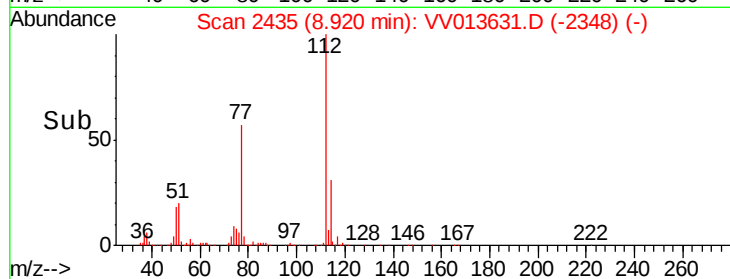
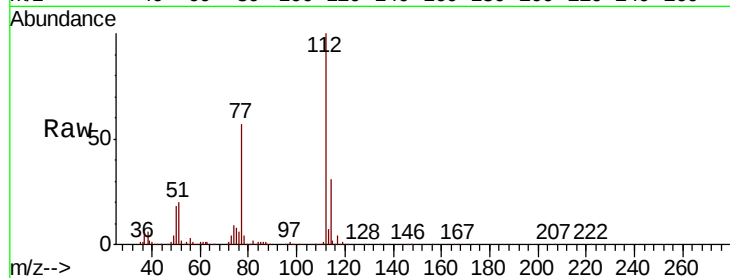
Tot Ion:112 Resp: 366268

Ion Ratio Lower Upper

112 100

114 31.5 22.3 41.5

77 57.0 46.0 69.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0

