

Data File : VV013329.D
Acq On : 24 Oct 2019 23:43
Operator : SY/MD
Sample : K5462-19
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0G11

Quant Time: Oct 25 04:47:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	428154	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	463052	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	238482	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	147533	4.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	1.58	69	127548	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.13	63	175241	3.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.40%
20) 2-Butanone-d5	3.96	46	385763	63.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.28%
24) Chloroform-d	4.40	84	325378	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.08	65	156553	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.10	84	667907	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.12	67	209135	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.36	98	554730	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.00%
43) trans-1,3-Dichloropropene-	7.66	79	60547	3.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.00%
46) 2-Hexanone-d5	8.13	63	222599	36.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.18%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	140450	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	230990	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

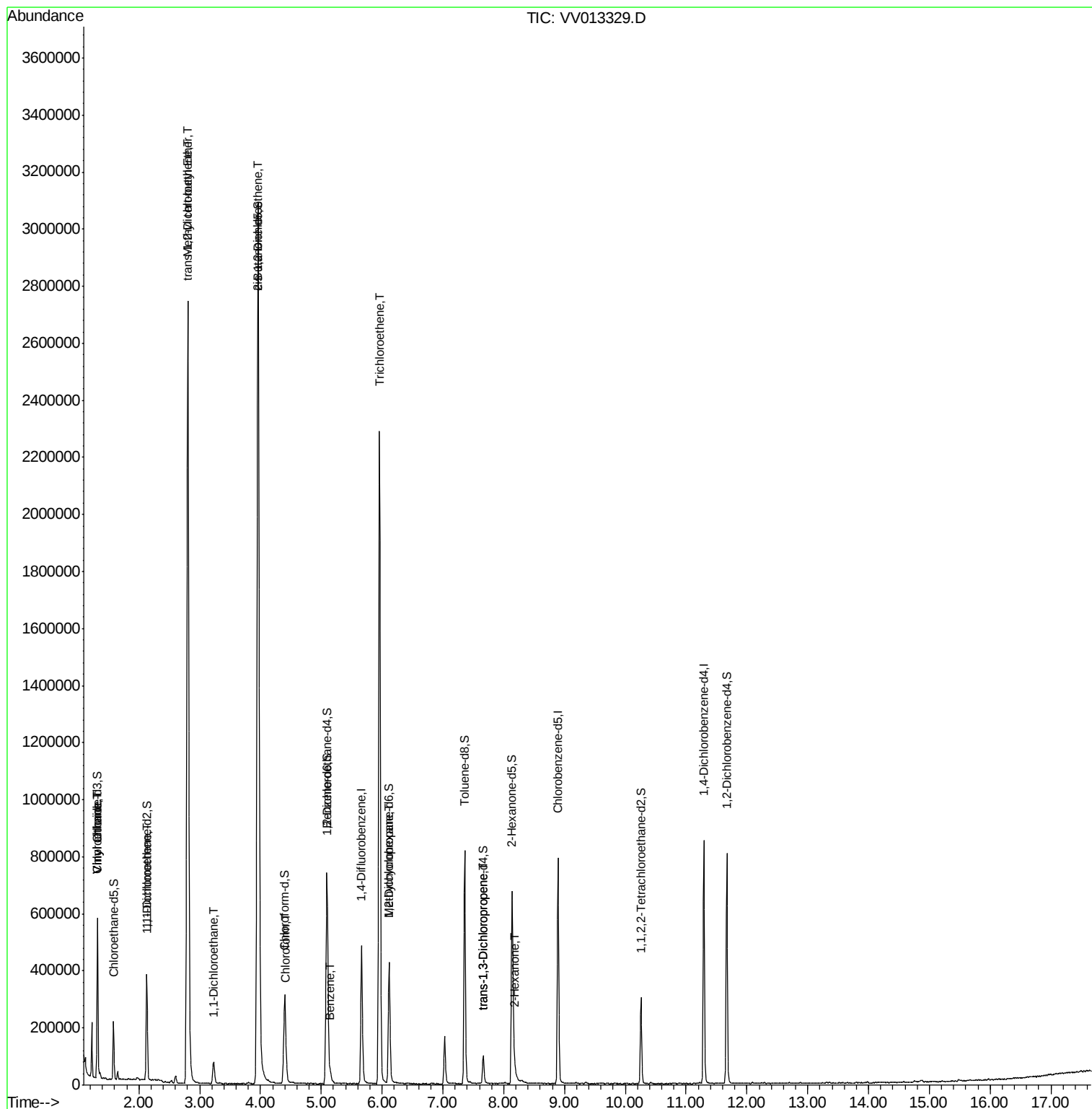
					Qvalue
5) Vinyl chloride	1.32	62	147465	3.569 ug/L	100
8) Chloroethane	1.32	64	47473	1.928 ug/L #	53
12) 1,1-Dichloroethene	2.14	96	5699	0.169 ug/L #	1
17) Methyl tert-butyl Ether	2.81	73	2661961	34.145 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	181226	4.567 ug/L	90
19) 1,1-Dichloroethane	3.23	63	78668	1.220 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	1750093	41.203 ug/L #	92
25) Chloroform	4.42	83	14144	0.168 ug/L	99
33) Benzene	5.14	78	35096	0.198 ug/L	100
34) Trichloroethene	5.96	95	782516	16.493 ug/L	97
35) Methylcyclohexane	6.11	83	51572	0.706 ug/L #	19
44) trans-1,3-Dichloropropene	7.66	75	2595	0.057 ug/L	95
48) 2-Hexanone	8.18	43	13689	0.873 ug/L #	41

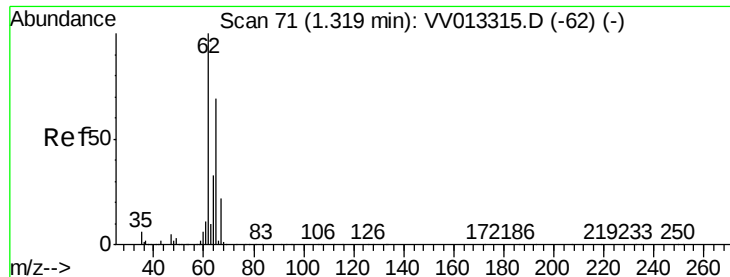
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.569 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013329.D

Acq: 24 Oct 2019 23:43

Instrument :

MSVOA_V

ClientSampleId :

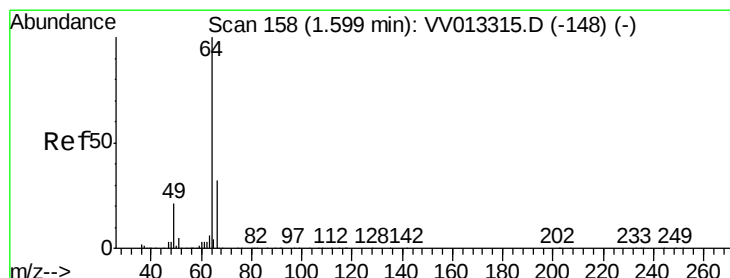
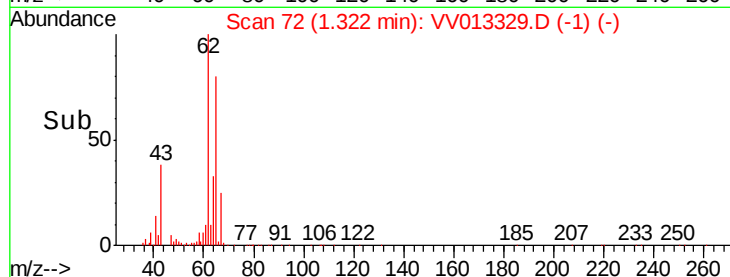
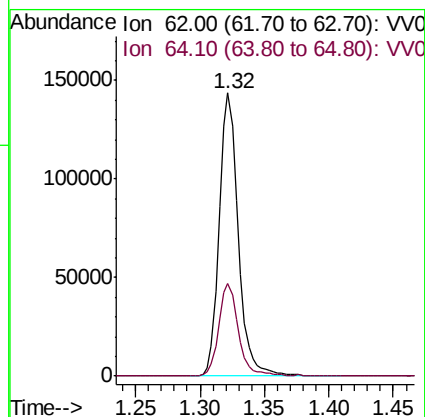
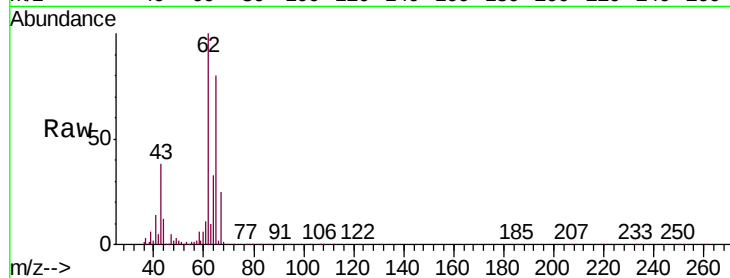
H0G11

Tgt Ion: 62 Resp: 147465

Ion Ratio Lower Upper

62 100

64 32.9 22.9 42.5



#8

Chloroethane

Concen: 1.928 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV013329.D

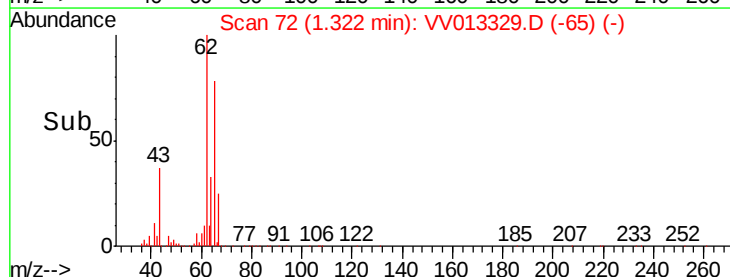
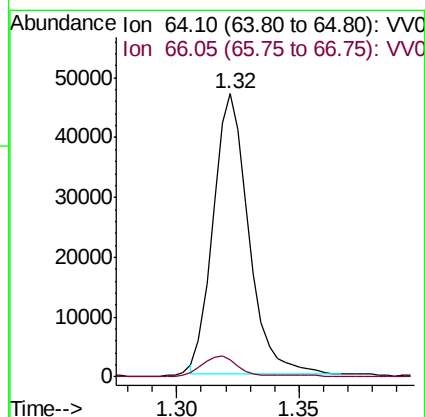
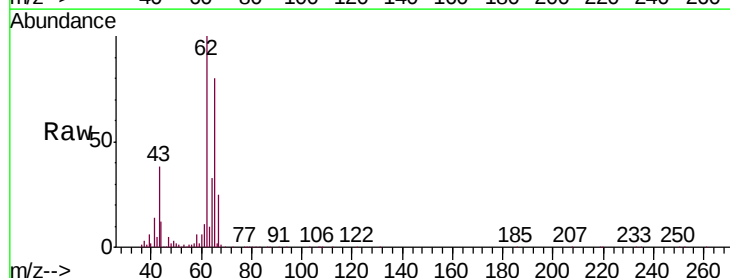
Acq: 24 Oct 2019 23:43

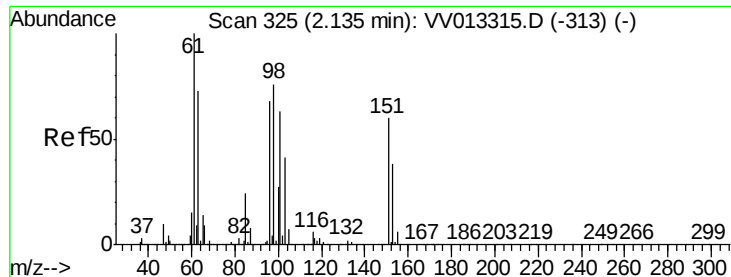
Tgt Ion: 64 Resp: 47473

Ion Ratio Lower Upper

64 100

66 6.0 22.7 42.3#

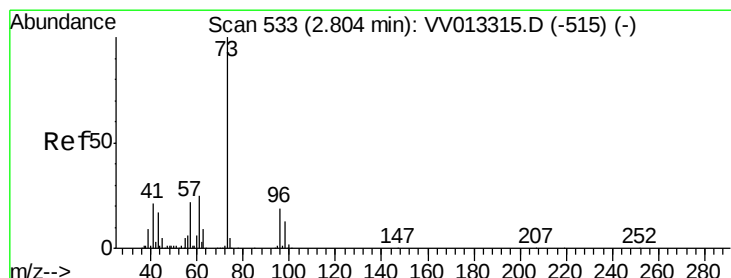
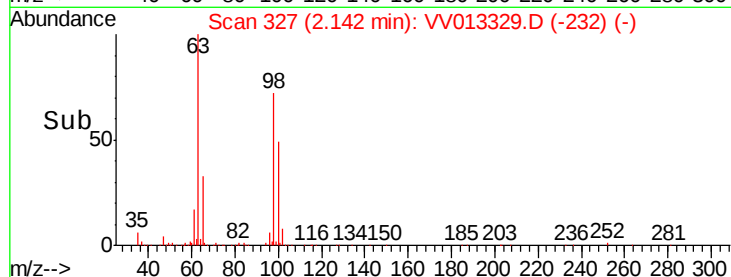
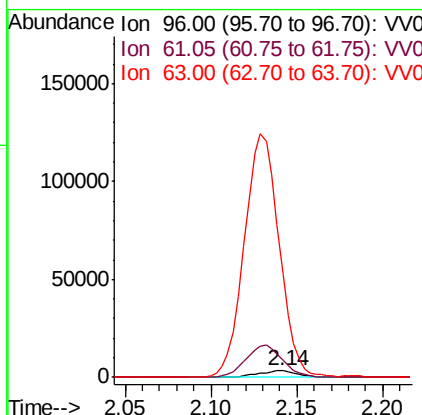
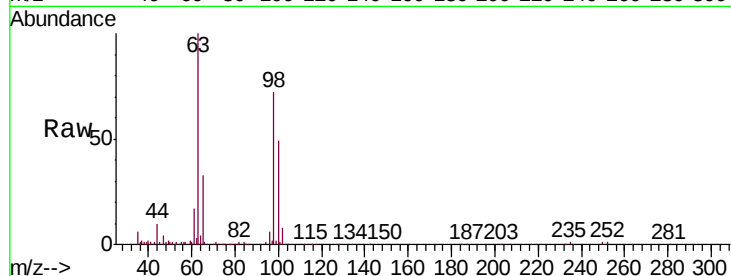




#12
 1,1-Dichloroethene
 Concen: 0.169 ug/L
 RT: 2.14 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VV013329.D
 Acq: 24 Oct 2019 23:43

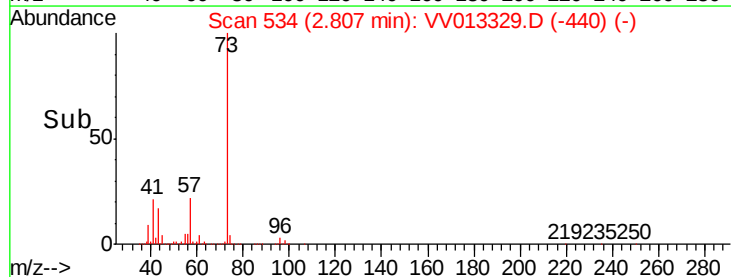
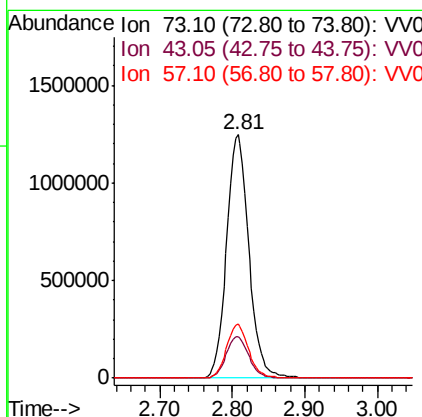
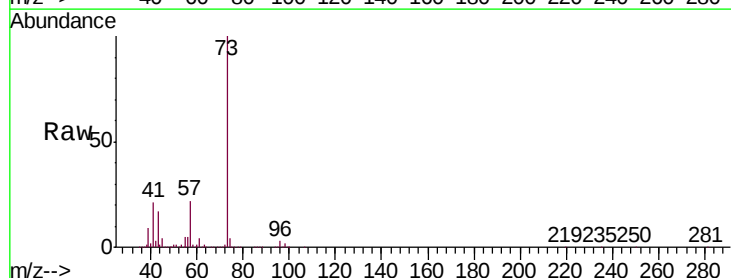
Instrument :
 MSVOA_V
 ClientSampleId :
 H0G11

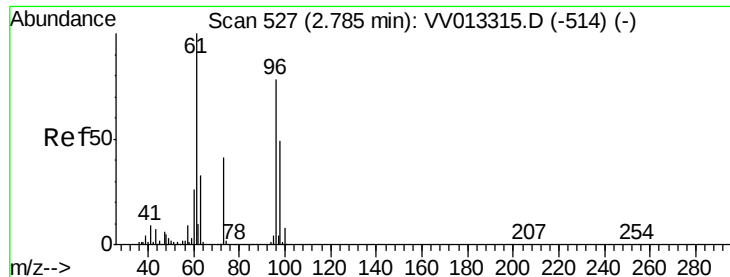
Tgt Ion: 96 Resp: 5699
 Ion Ratio Lower Upper
 96 100
 61 262.6 104.0 193.1#
 63 1563.0 67.1 124.5#



#17
 Methyl tert-butyl Ether
 Concen: 34.145 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VV013329.D
 Acq: 24 Oct 2019 23:43

Tgt Ion: 73 Resp: 2661961
 Ion Ratio Lower Upper
 73 100
 43 17.4 13.1 19.7
 57 22.0 16.4 24.6





#18

trans-1,2-Dichloroethene

Concen: 4.567 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV013329.D

Acq: 24 Oct 2019 23:43

Instrument :

MSVOA_V

ClientSampleId :

H0G11

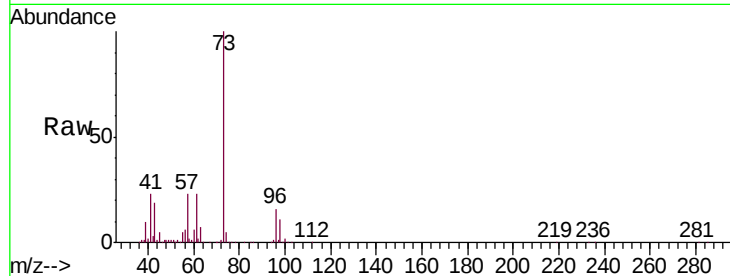
Tgt Ion: 96 Resp: 181226

Ion Ratio Lower Upper

96 100

61 136.8 84.4 156.8

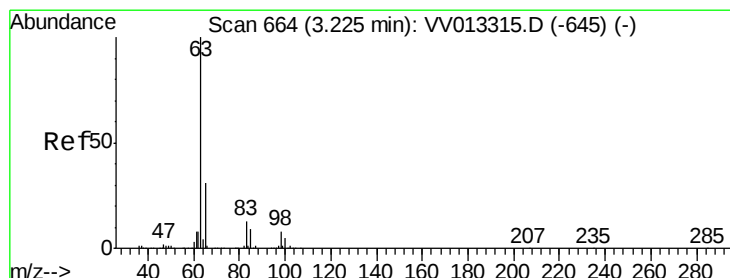
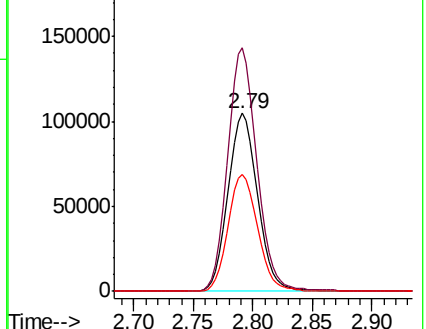
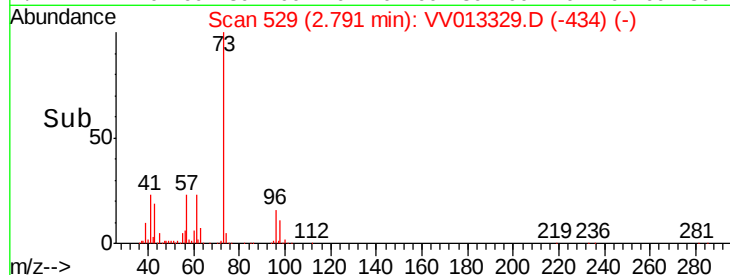
98 65.5 44.4 82.4



Abundance Ion 96.00 (95.70 to 96.70): VV013329.D (-514) (-)

Ion 61.05 (60.75 to 61.75): VV013329.D (-514) (-)

Ion 97.95 (97.65 to 98.65): VV013329.D (-514) (-)



#19

1,1-Dichloroethane

Concen: 1.220 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013329.D

Acq: 24 Oct 2019 23:43

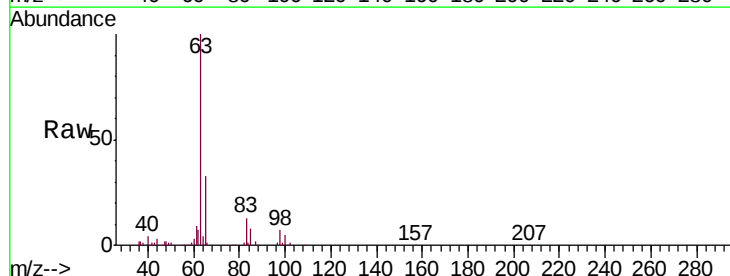
Tgt Ion: 63 Resp: 78668

Ion Ratio Lower Upper

63 100

65 33.1 23.0 42.8

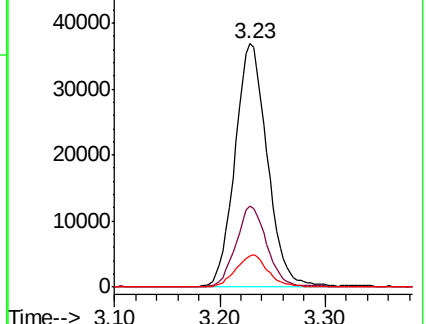
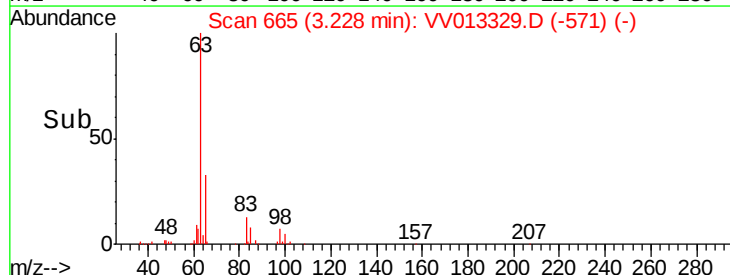
83 12.5 10.2 19.0

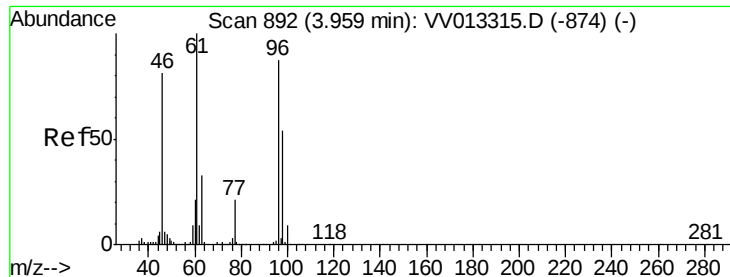


Abundance Ion 63.10 (62.80 to 63.80): VV013329.D (-571) (-)

Ion 65.10 (64.80 to 65.80): VV013329.D (-571) (-)

Ion 83.05 (82.75 to 83.75): VV013329.D (-571) (-)



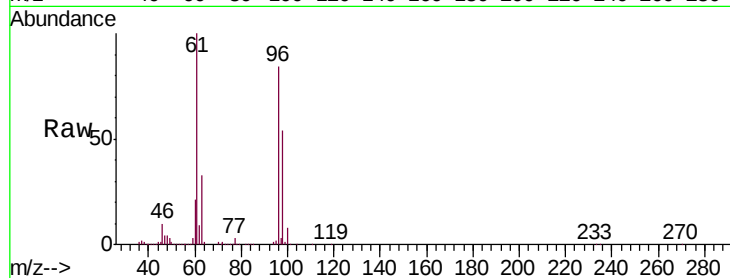


#22

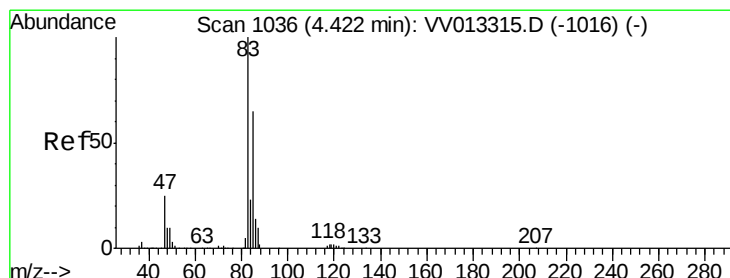
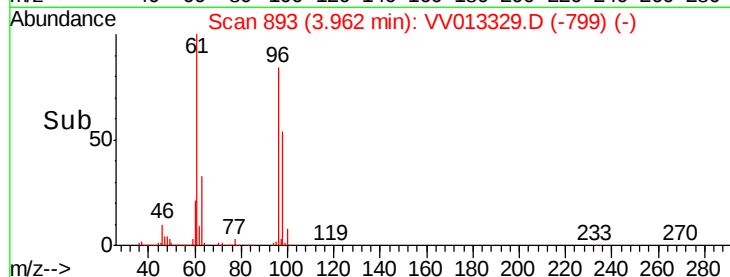
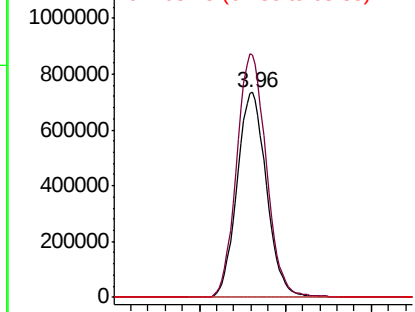
cis-1,2-Dichloroethene
Concen: 41.203 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV013329.D
Acq: 24 Oct 2019 23:43

Instrument :
MSVOA_V
ClientSampleId :
H0G11

Tgt Ion: 96 Resp: 1750093
Ion Ratio Lower Upper
96 100
61 118.6 77.3 143.7
68 0.0 0.1 0.1#



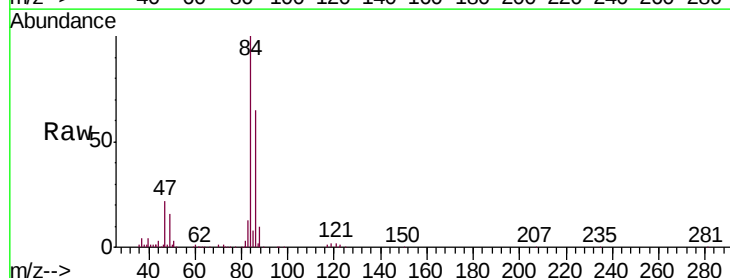
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



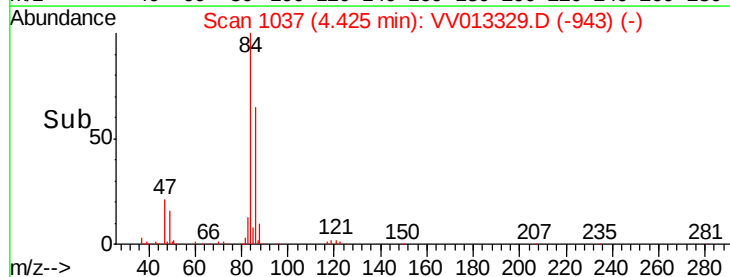
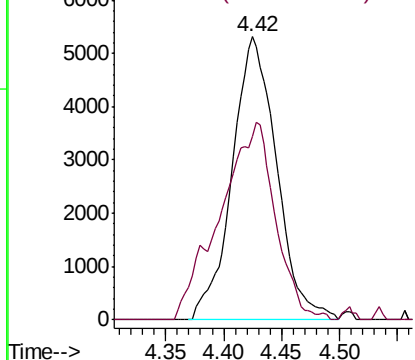
#25

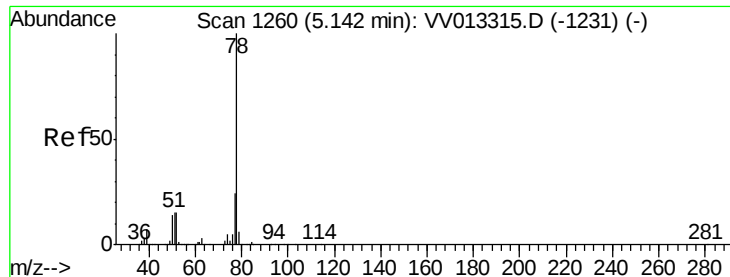
Chloroform
Concen: 0.168 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013329.D
Acq: 24 Oct 2019 23:43

Tgt Ion: 83 Resp: 14144
Ion Ratio Lower Upper
83 100
85 64.6 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 0.198 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV013329.D

Acq: 24 Oct 2019 23:43

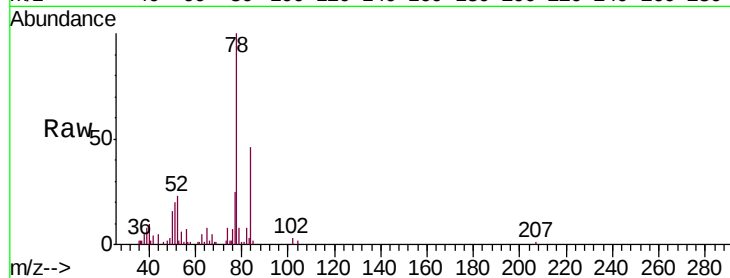
Instrument :

MSVOA_V

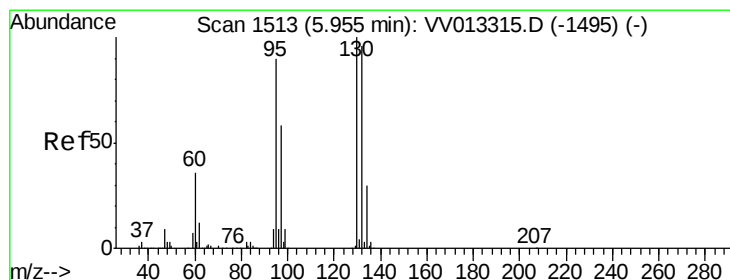
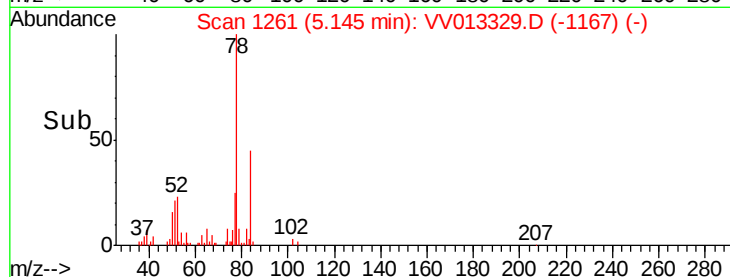
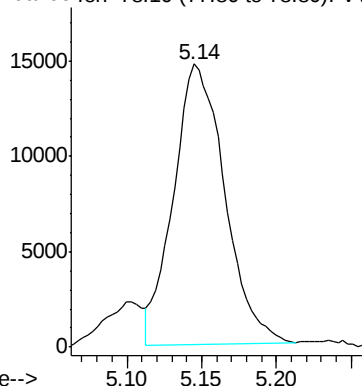
ClientSampleId :

H0G11

Tgt Ion: 78 Resp: 35096



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 16.493 ug/L

RT: 5.96 min Scan# 1514

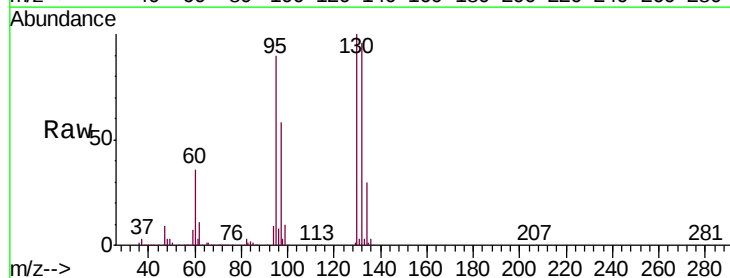
Delta R.T. 0.00 min

Lab File: VV013329.D

Acq: 24 Oct 2019 23:43

Tgt Ion: 95 Resp: 782516

Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.2	84.0
132	106.9	70.6	131.2
130	111.2	75.5	140.3

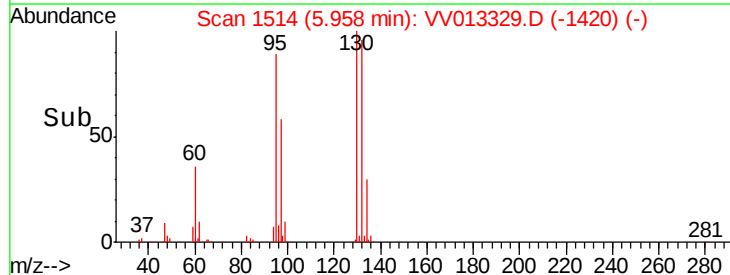
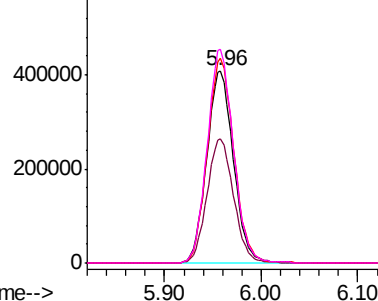


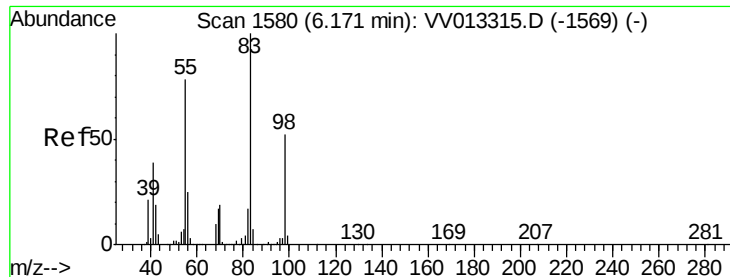
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

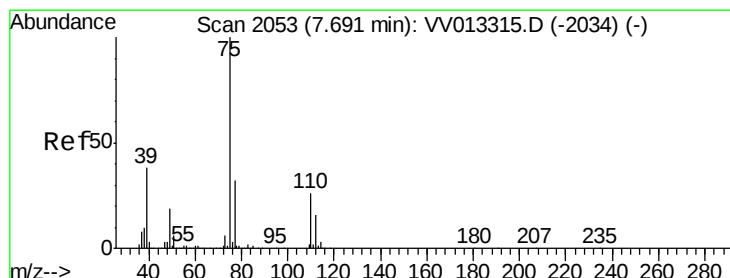
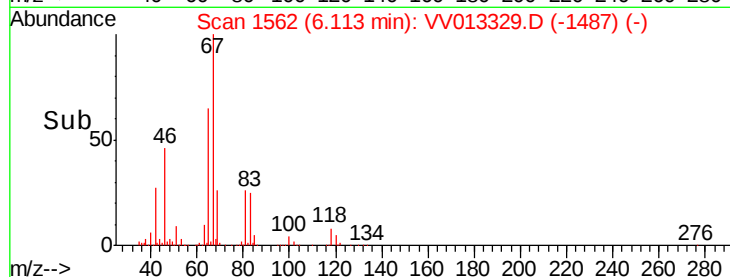
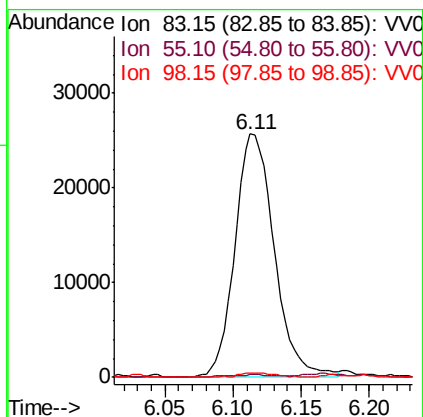
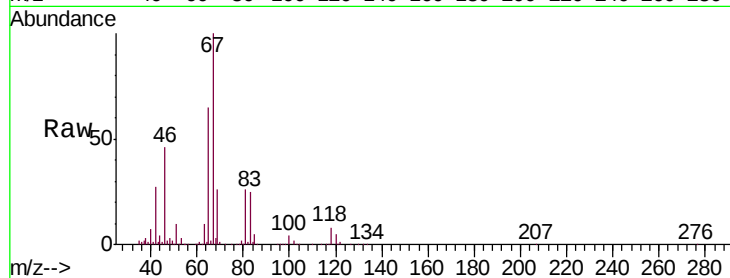




#35
Methylcyclohexane
Concen: 0.706 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013329.D
Acq: 24 Oct 2019 23:43

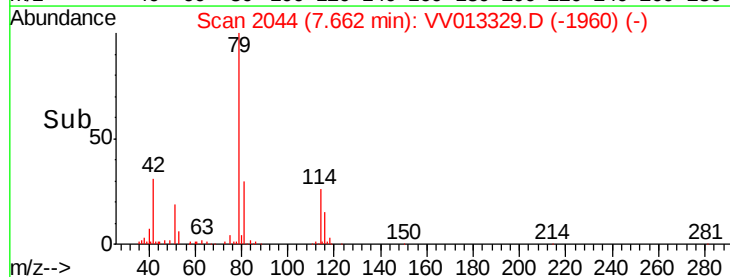
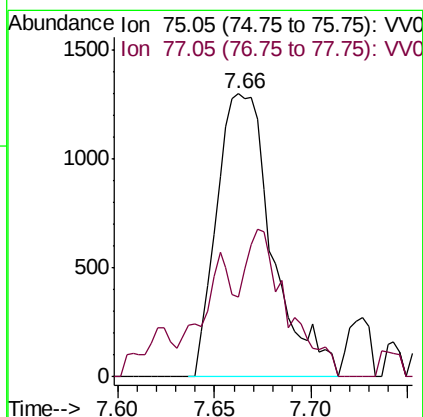
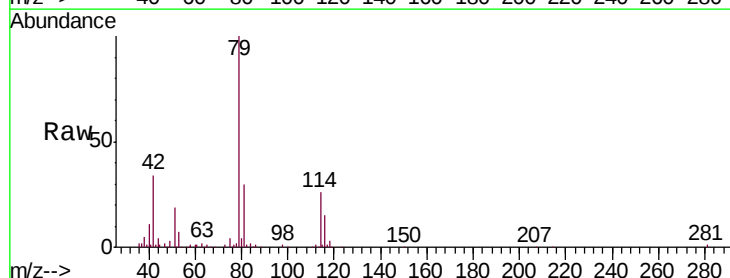
Instrument :
MSVOA_V
ClientSampleId :
H0G11

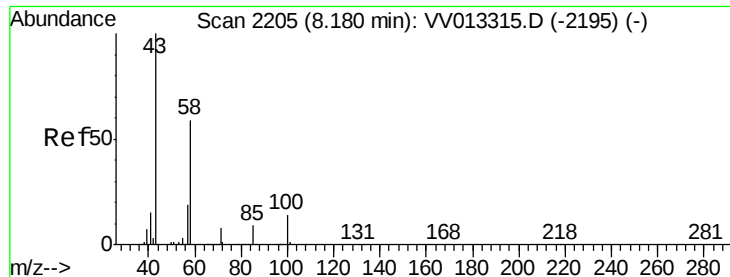
Tgt Ion: 83 Resp: 51572
Ion Ratio Lower Upper
83 100
55 0.7 62.4 93.6#
98 1.7 39.2 58.8#



#44
trans-1,3-Dichloropropene
Concen: 0.057 ug/L
RT: 7.66 min Scan# 2044
Delta R.T. -0.03 min
Lab File: VV013329.D
Acq: 24 Oct 2019 23:43

Tgt Ion: 75 Resp: 2595
Ion Ratio Lower Upper
75 100
77 28.2 21.8 40.6





#48

2-Hexanone

Concen: 0.873 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV013329.D

Acq: 24 Oct 2019 23:43

Instrument :
MSVOA_V
ClientSampleId :
H0G11

Tgt Ion: 43 Resp: 13689

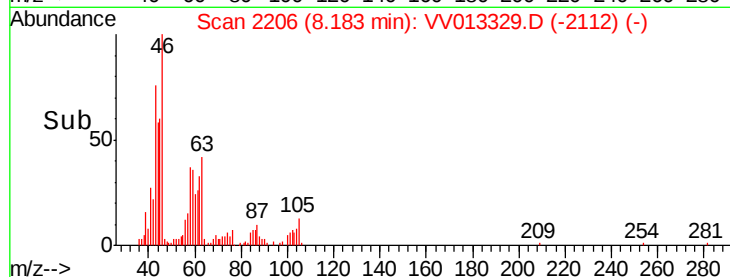
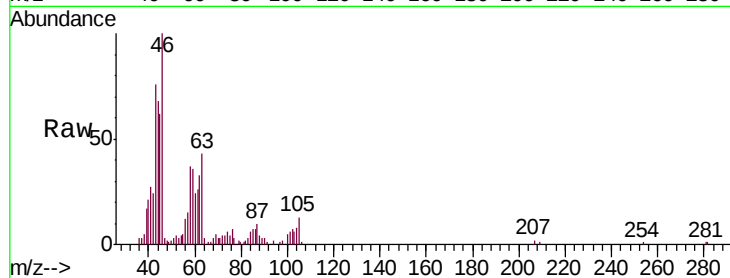
Ion Ratio Lower Upper

43 100

58 0.0 45.1 67.7#

57 0.0 15.5 23.3#

100 12.2 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

