

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072720\
 Data File : VV017684.D
 Acq On : 27 Jul 2020 17:54
 Operator : SY/MD
 Sample : L3459-06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 28 04:57:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 28 04:52:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	154045	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	154697	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	74742	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	31107	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	1.58	69	26236	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.12	63	52446	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	3.93	46	78597	44.67	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.34%
24) Chloroform-d	4.38	84	82296	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.06	65	45150	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.07	84	145433	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	6.09	67	39927	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.20%
41) Toluene-d8	7.34	98	130427	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
45) trans-1,3-Dichloropropene-	7.65	79	17050	3.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.40%
48) 2-Hexanone-d5	8.11	63	47034	35.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.66%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	27364	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	58650	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

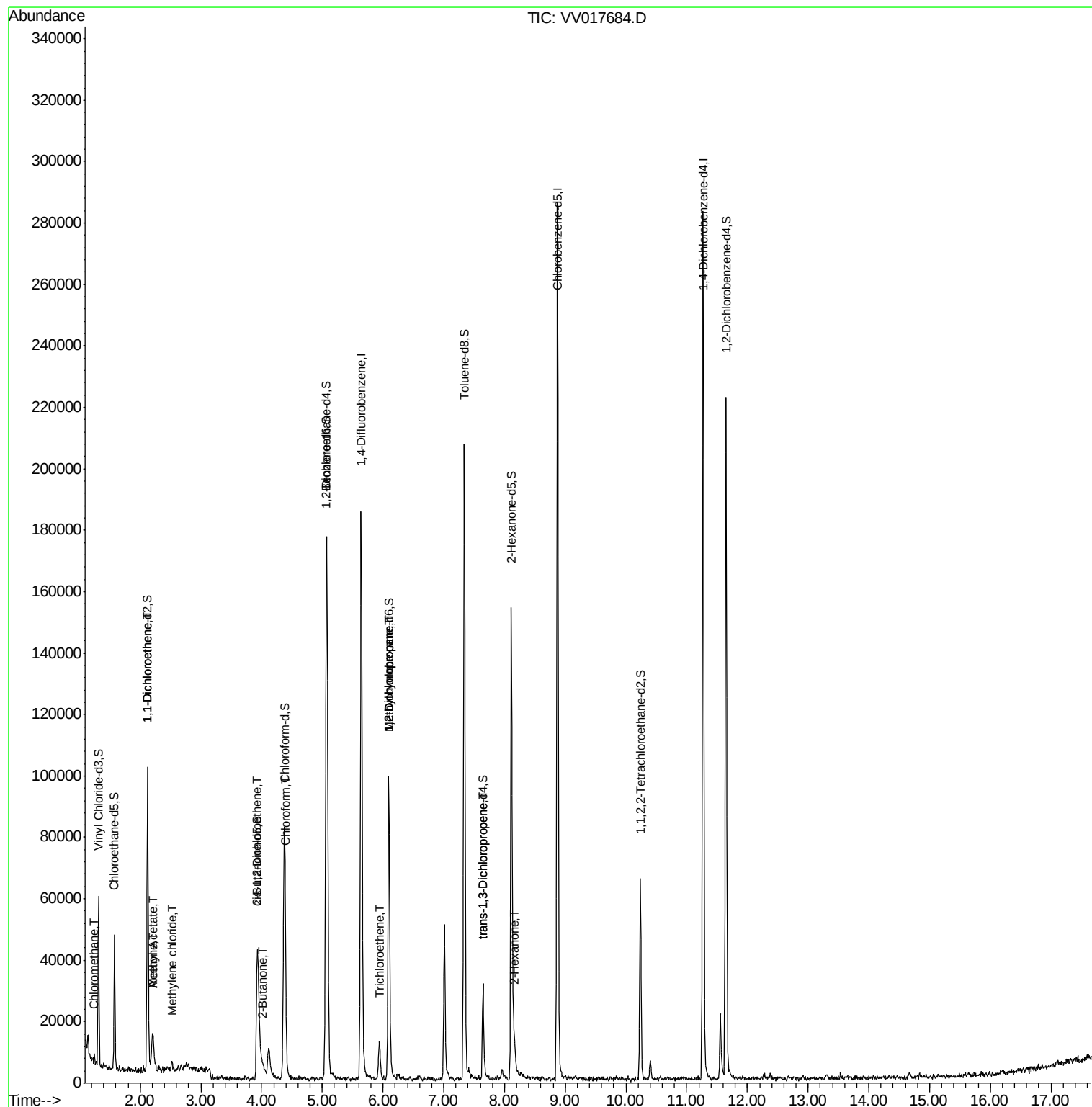
					Ovalue
3) Chloromethane	1.25	50	1570	0.143	ug/L 100
12) 1,1-Dichloroethene	2.12	96	826	0.100	ug/L # 1
13) Acetone	2.21	43	22920	16.639	ug/L # 57
15) Methyl Acetate	2.21	43	21558	8.043	ug/L # 41
16) Methylene chloride	2.52	84	1096	0.119	ug/L # 71
21) 2-Butanone	4.02	43	3252	1.398	ug/L # 66
22) cis-1,2-Dichloroethene	3.94	96	1625	0.143	ug/L 76
25) Chloroform	4.40	83	2151	0.101	ug/L 86
34) Trichloroethene	5.94	95	3617	0.296	ug/L 93
35) Methylcyclohexane	6.10	83	11189	0.605	ug/L # 19
37) 1,2-Dichloropropane	6.10	63	5400	0.525	ug/L # 84
46) trans-1,3-Dichloropropene	7.65	75	1025	0.074	ug/L # 74
50) 2-Hexanone	8.16	43	3625	0.908	ug/L # 91

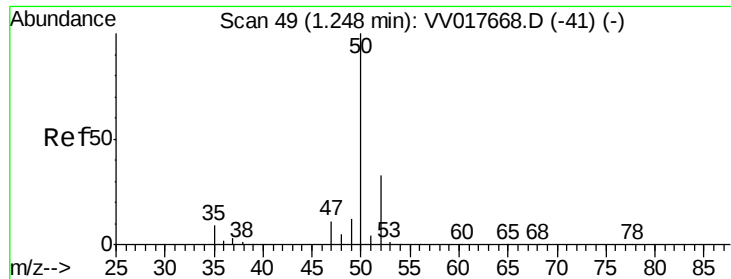
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.143 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017684.D

Acq: 27 Jul 2020 17:54

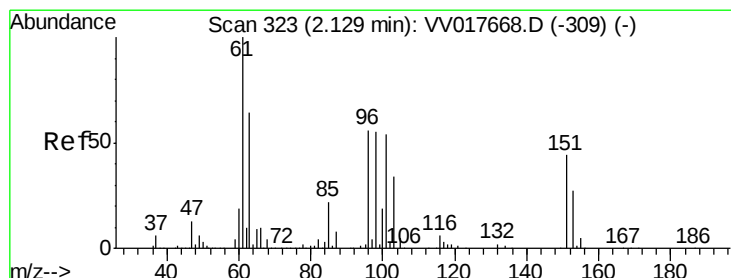
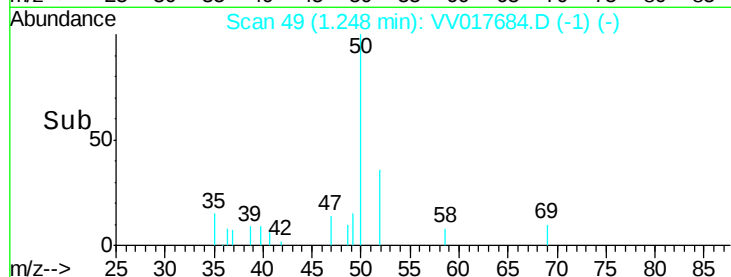
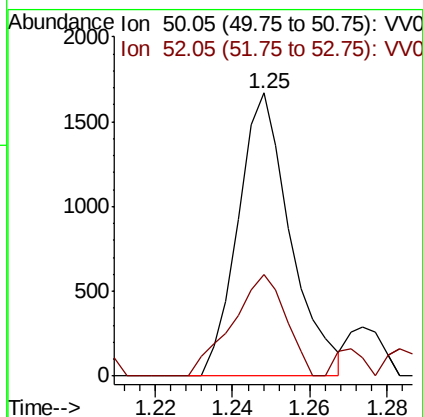
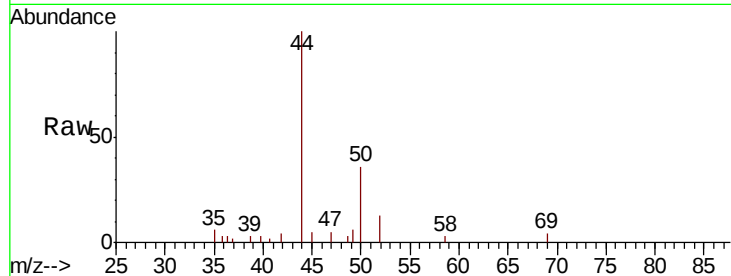
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 1570

Ion Ratio Lower Upper

50 100

52 35.9 25.1 46.5



#12

1,1-Dichloroethene

Concen: 0.100 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV017684.D

Acq: 27 Jul 2020 17:54

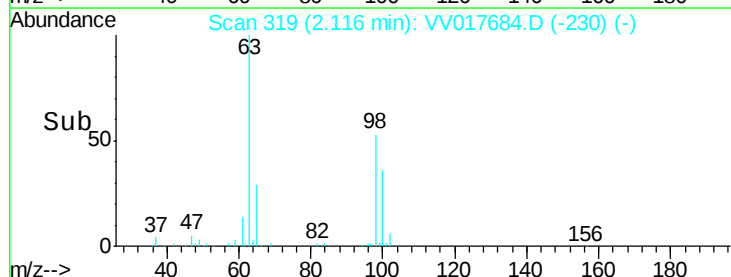
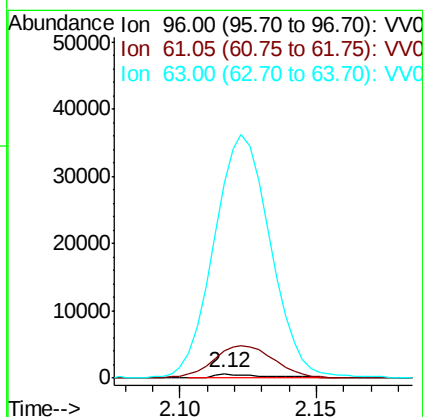
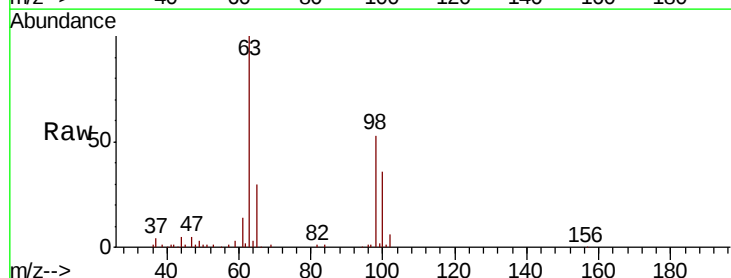
Tgt Ion: 96 Resp: 826

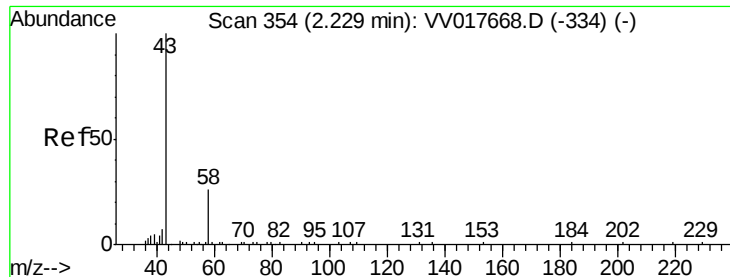
Ion Ratio Lower Upper

96 100

61 621.5 123.1 228.7#

63 4442.9 91.2 169.4#





#13

Acetone

Concen: 16.639 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.02 min

Lab File: VV017684.D

Acq: 27 Jul 2020 17:54

Instrument :

MSVOA_V

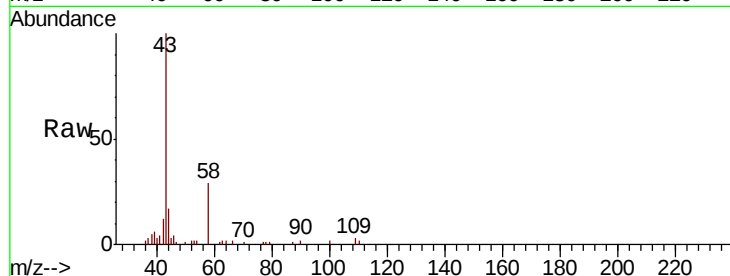
ClientSampleId :

Tot Ion: 43 Resp: 22920

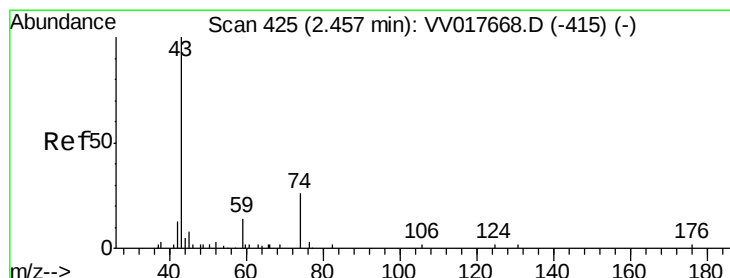
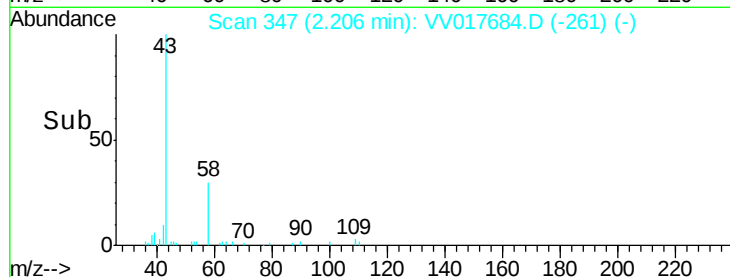
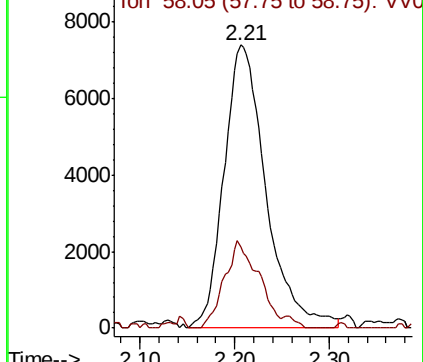
Ion Ratio Lower Upper

43 100

58 25.0 0.0 18.6#



Abundance Ion 43.05 (42.75 to 43.75): VV017668.D (-334) (-)



#15

Methyl Acetate

Concen: 8.043 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.25 min

Lab File: VV017684.D

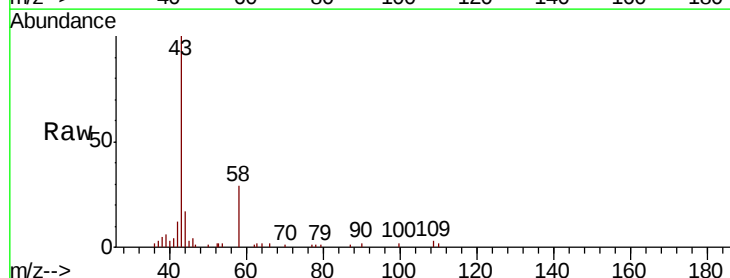
Acq: 27 Jul 2020 17:54

Tgt Ion: 43 Resp: 21558

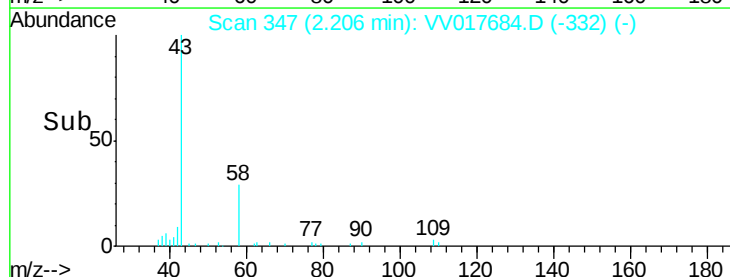
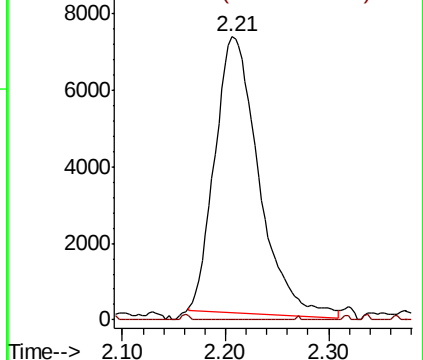
Ion Ratio Lower Upper

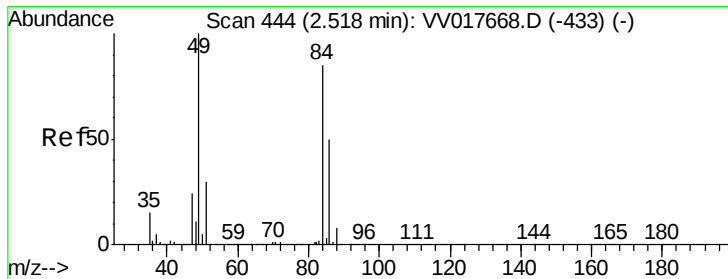
43 100

74 0.1 26.6 40.0#



Abundance Ion 43.05 (42.75 to 43.75): VV017668.D (-415) (-)

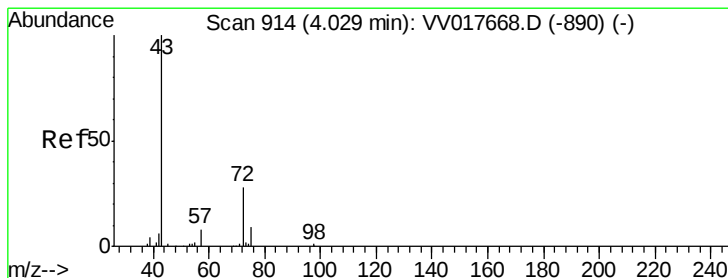
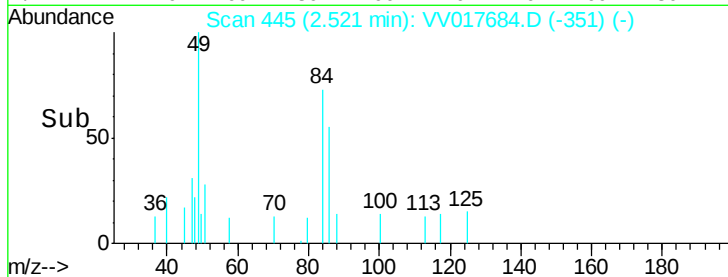
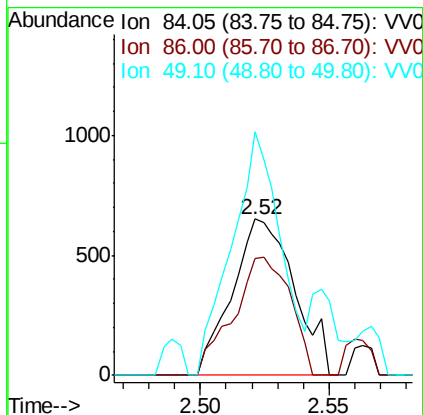
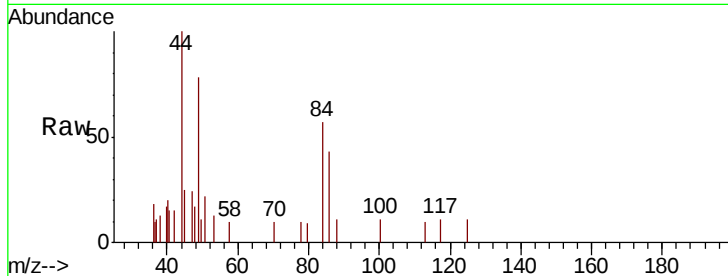




#16
Methylene chloride
Concen: 0.119 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV017684.D
Acq: 27 Jul 2020 17:54

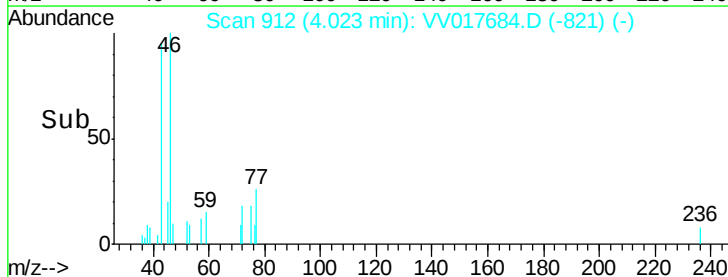
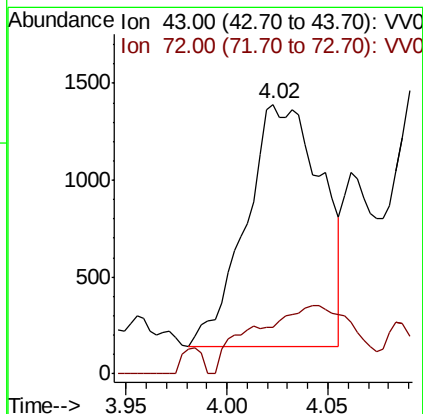
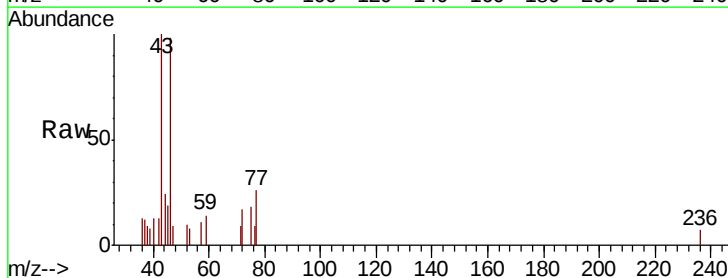
Instrument :
MSVOA_V
ClientSampled :

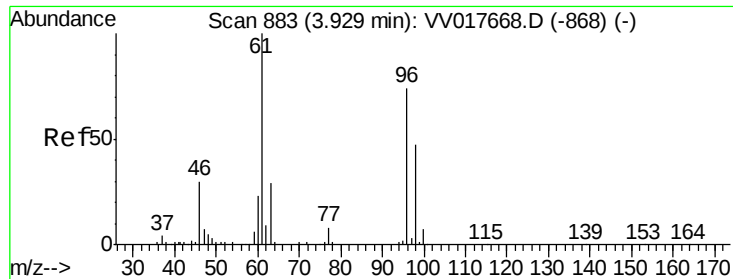
Tot Ion: 84 Resp: 1096
Ion Ratio Lower Upper
84 100
86 75.0 46.5 86.3
49 155.9 79.2 147.2#



#21
2-Butanone
Concen: 1.398 ug/L
RT: 4.02 min Scan# 912
Delta R.T. -0.01 min
Lab File: VV017684.D
Acq: 27 Jul 2020 17:54

Tgt Ion: 43 Resp: 3252
Ion Ratio Lower Upper
43 100
72 8.4 13.0 38.9#



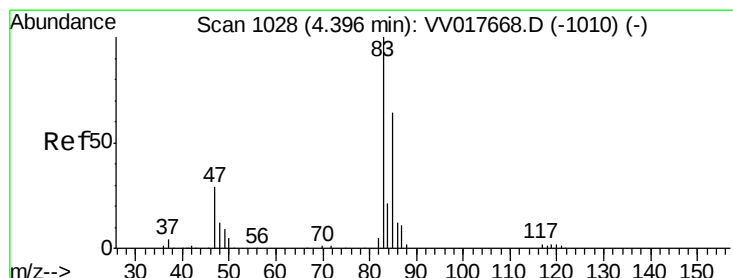
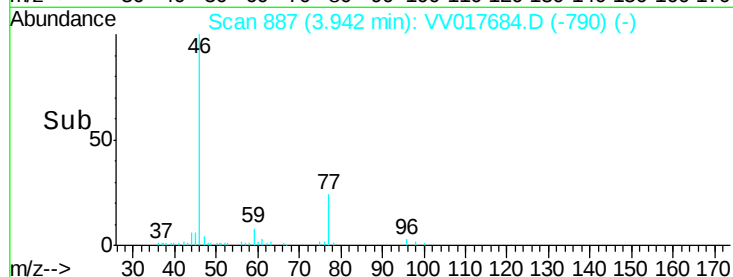
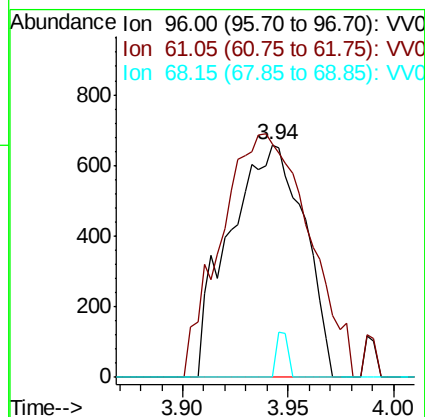
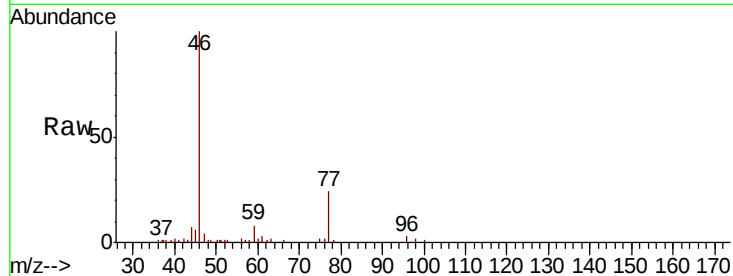


#22

cis-1,2-Dichloroethene
 Concen: 0.143 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV017684.D
 Acq: 27 Jul 2020 17:54

Instrument :
 MSVOA_V
 ClientSampleId :

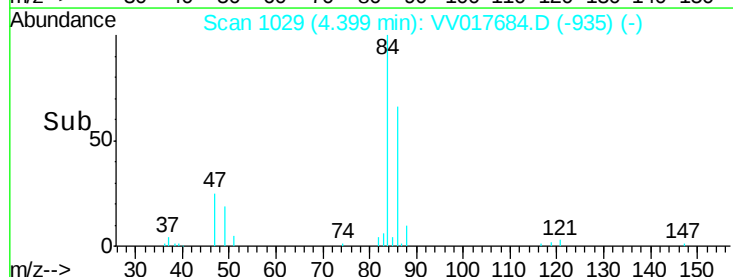
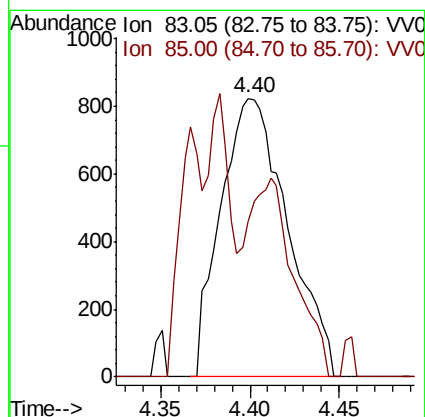
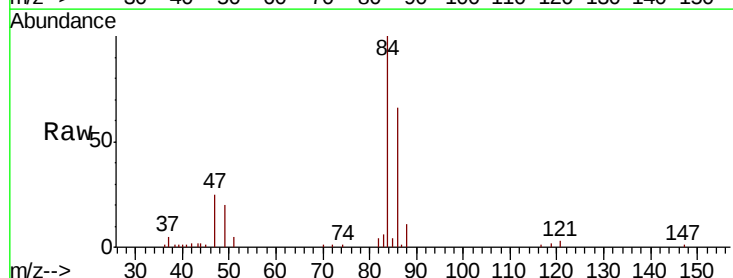
Tot Ion	Ratio	Lower	Upper
96	100		
61	100.5	89.6	166.4
68	0.0	0.0	0.0

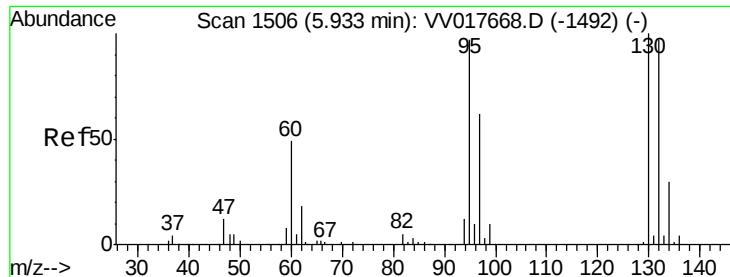


#25

Chloroform
 Concen: 0.101 ug/L
 RT: 4.40 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VV017684.D
 Acq: 27 Jul 2020 17:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.0	47.3	87.9





#34

Trichloroethene

Concen: 0.296 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017684.D

Acq: 27 Jul 2020 17:54

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 3617

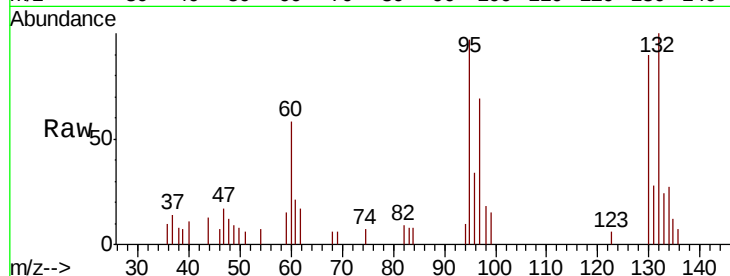
Ion Ratio Lower Upper

95 100

97 71.4 46.1 85.5

132 103.4 71.7 133.1

130 92.7 74.3 137.9

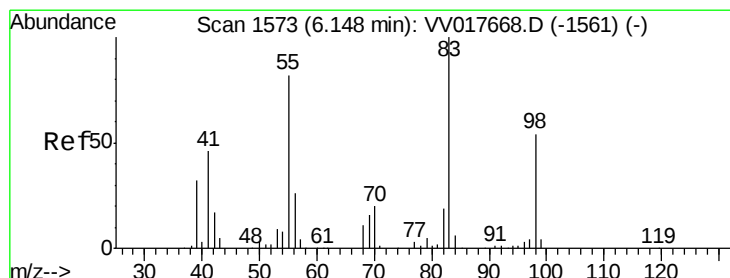
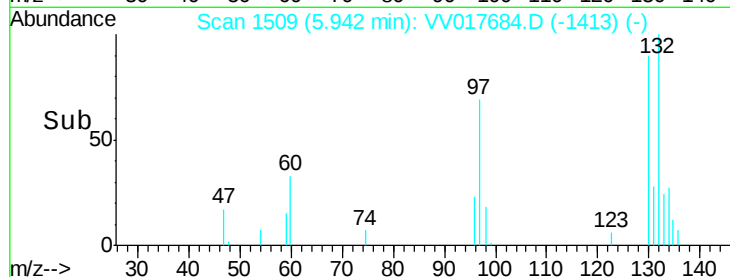
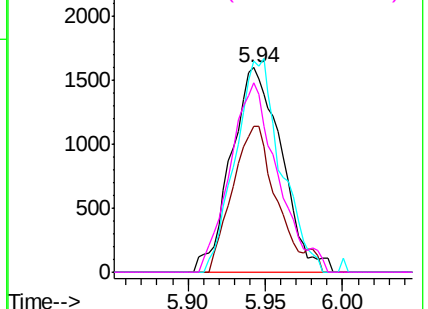


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.605 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV017684.D

Acq: 27 Jul 2020 17:54

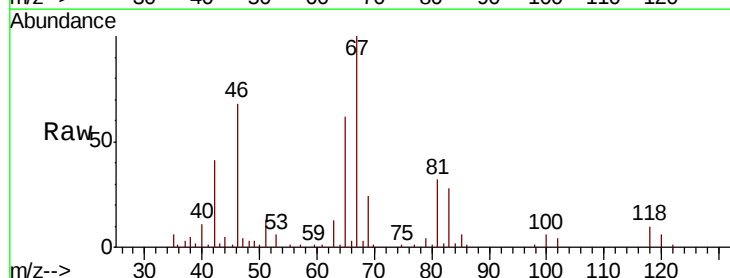
Tgt Ion: 83 Resp: 11189

Ion Ratio Lower Upper

83 100

55 0.4 61.8 92.8#

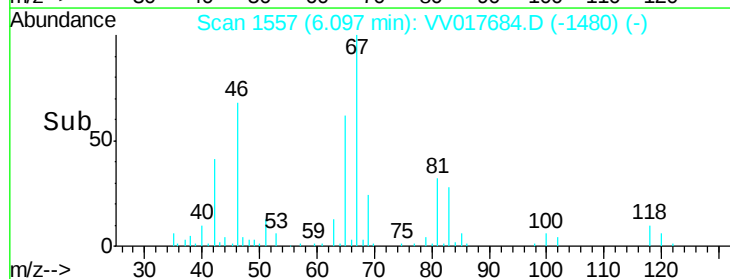
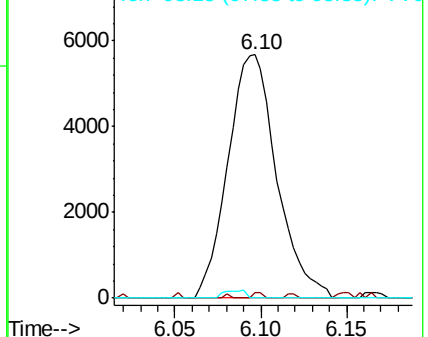
98 1.4 39.0 58.6#

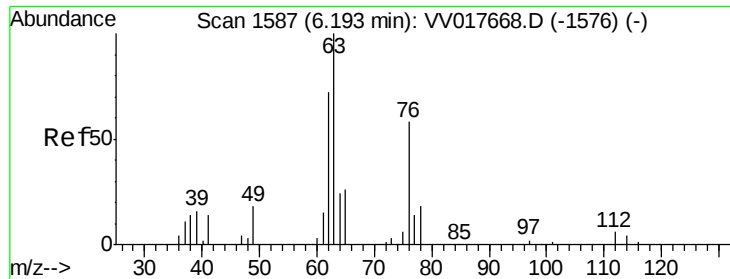


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

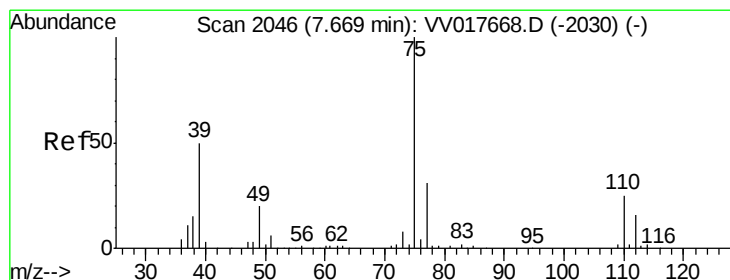
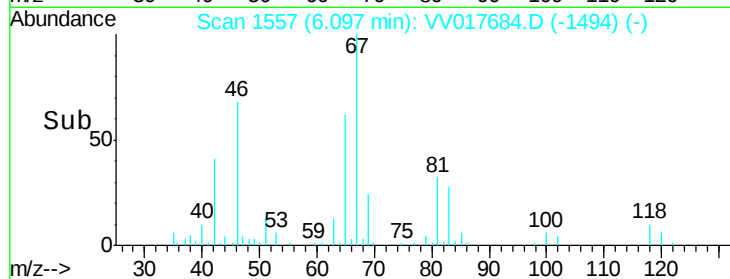
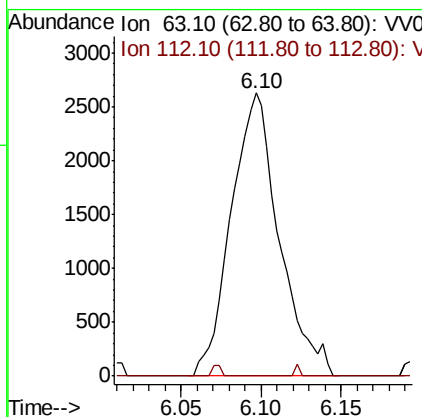
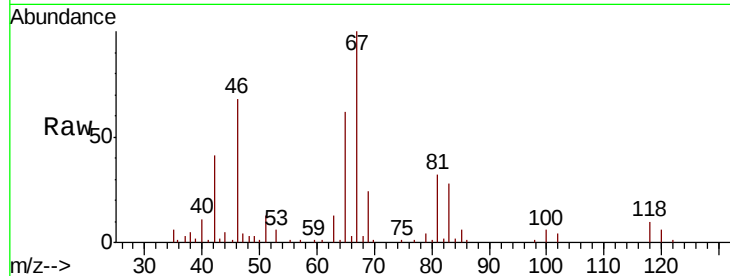




#37
 1,2-Dichloropropane
 Concen: 0.525 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV017684.D
 Acq: 27 Jul 2020 17:54

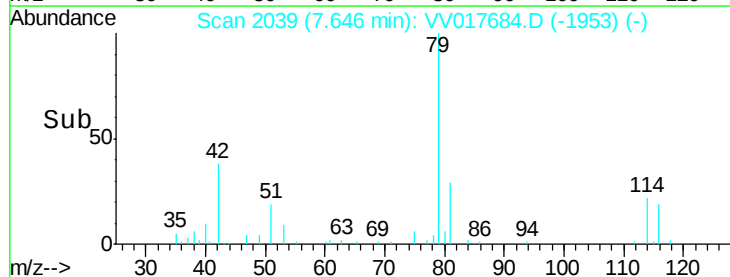
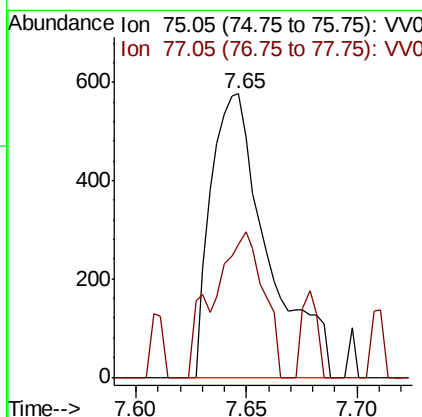
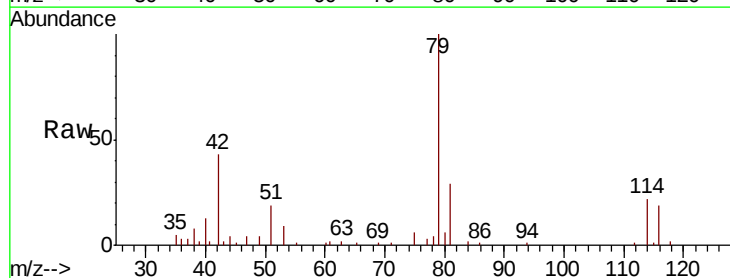
Instrument :
 MSVOA_V
 ClientSampleId :

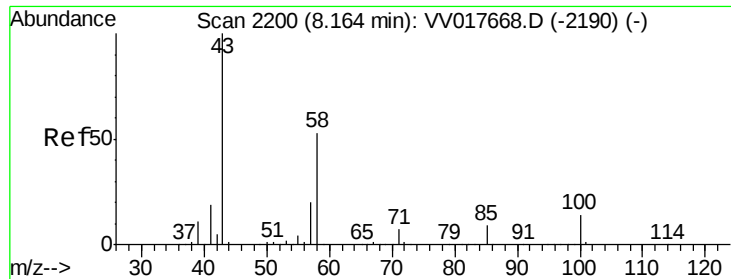
Tot Ion: 63 Resp: 5400
 Ion Ratio Lower Upper
 63 100
 112 0.4 4.5 6.7#



#46
 trans-1,3-Dichloropropene
 Concen: 0.074 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.02 min
 Lab File: VV017684.D
 Acq: 27 Jul 2020 17:54

Tgt Ion: 75 Resp: 1025
 Ion Ratio Lower Upper
 75 100
 77 46.6 22.5 41.7#





#50

2-Hexanone

Concen: 0.908 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VV017684.D

Acq: 27 Jul 2020 17:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 3625

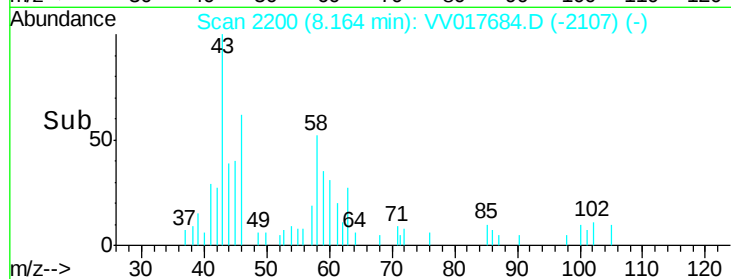
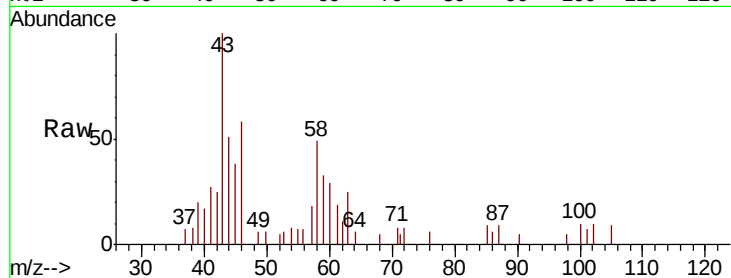
Ion Ratio Lower Upper

43 100

58 57.0 41.6 62.4

57 12.6 15.4 23.0#

100 9.6 11.2 16.8#



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

