

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081619\
 Data File : VV012270.D
 Acq On : 16 Aug 2019 15:01
 Operator : SY/MD
 Sample : K4337-16
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AG4

Quant Time: Aug 16 23:39:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 16 23:35:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	197672	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	195244	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	78127	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76169	6.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.00%
7) Chloroethane-d5	1.58	69	63667	6.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	136.80%#
11) 1,1-Dichloroethene-d2	2.13	63	71181	3.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.40%
20) 2-Butanone-d5	3.94	46	46039	17.50	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	35.00%#
24) Chloroform-d	4.40	84	133440	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
26) 1,2-Dichloroethane-d4	5.08	65	73971	6.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	129.60%
32) Benzene-d6	5.10	84	287050	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.20%
36) 1,2-Dichloropropane-d6	6.12	67	85481	5.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	117.40%
41) Toluene-d8	7.36	98	238921	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
43) trans-1,3-Dichloropropene-	7.66	79	30163	5.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.20%
46) 2-Hexanone-d5	8.13	63	59041	33.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	66.06%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	52452	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	84097	6.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	127.20%#

Target Compounds

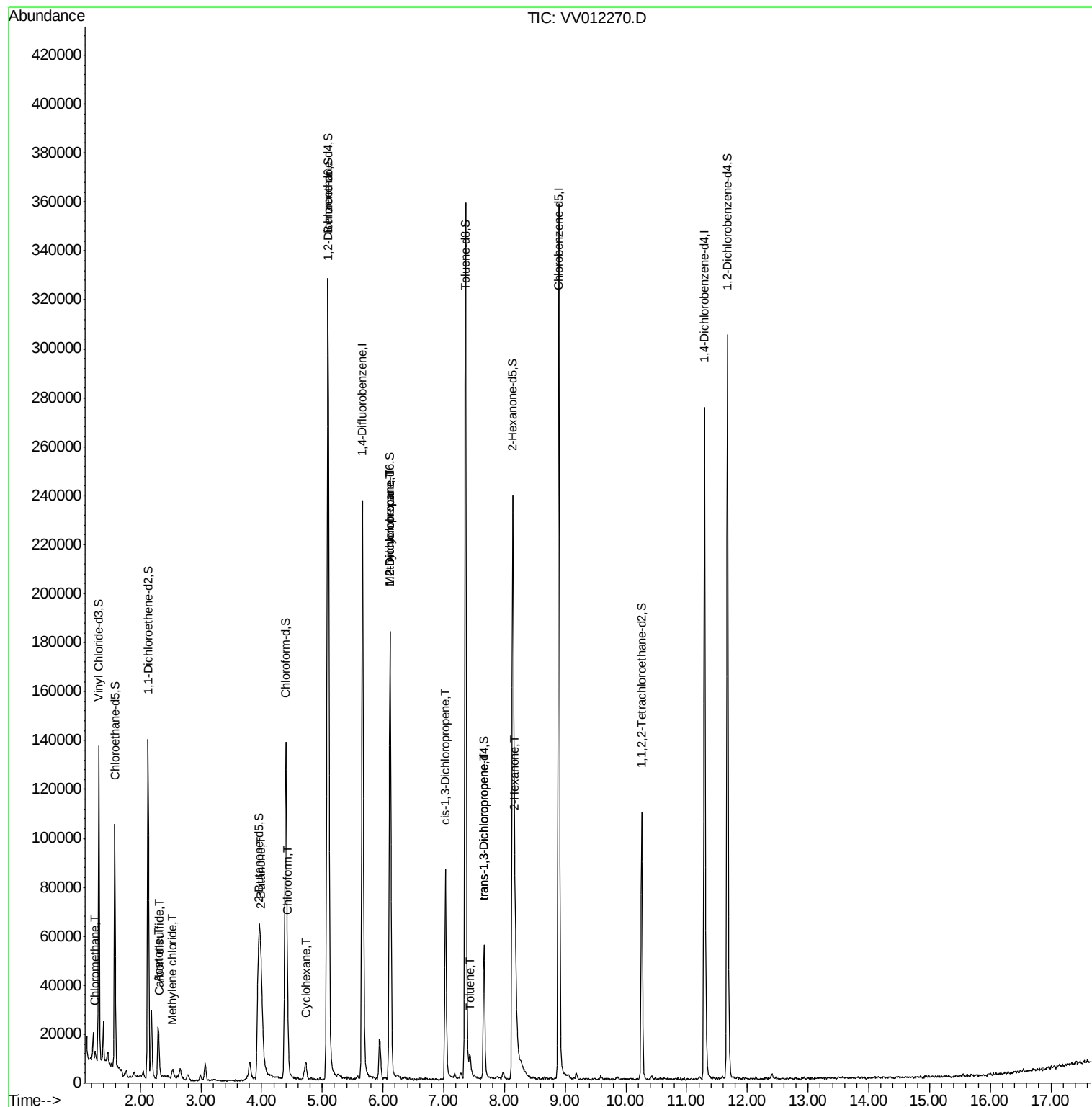
					Qvalue
3) Chloromethane	1.25	50	2206	0.128 ug/L	93
13) Acetone	2.30	43	4782	2.917 ug/L	55
14) Carbon disulfide	2.32	76	2328	0.076 ug/L #	76
16) Methylene chloride	2.54	84	1149	0.102 ug/L #	81
21) 2-Butanone	4.00	43	35674	10.644 ug/L #	67
25) Chloroform	4.43	83	11912	0.413 ug/L	93
30) Cyclohexane	4.73	56	3565	0.150 ug/L #	90
35) Methylcyclohexane	6.12	83	21874	0.882 ug/L #	19
37) 1,2-Dichloropropane	6.12	63	9845	0.670 ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	2295	0.113 ug/L	86
42) Toluene	7.43	91	5353	0.085 ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	1477	0.093 ug/L	87
48) 2-Hexanone	8.18	43	30113	5.289 ug/L #	77

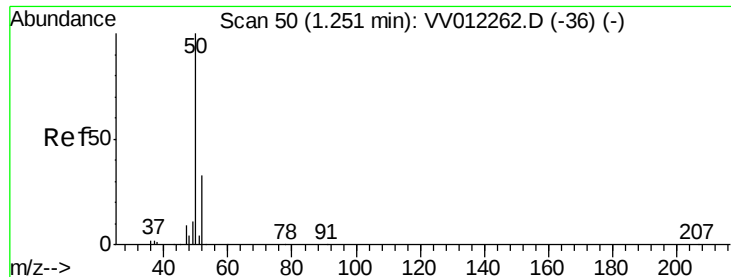
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.128 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012270.D

Acq: 16 Aug 2019 15:01

Instrument :

MSVOA_V

ClientSampleId :

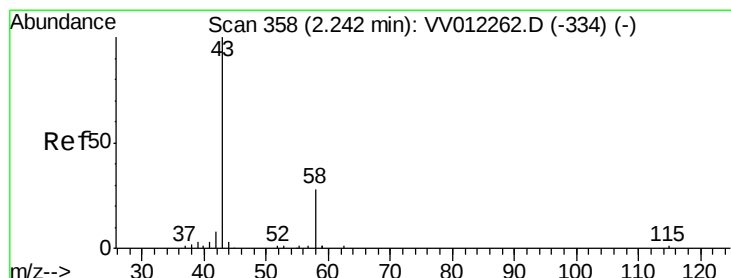
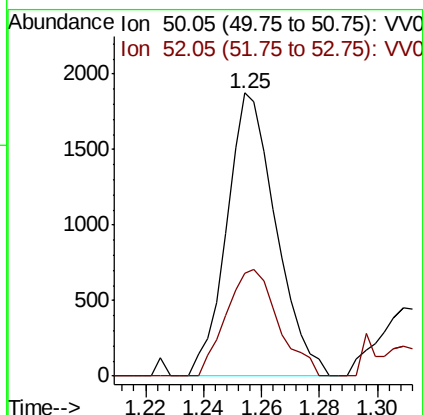
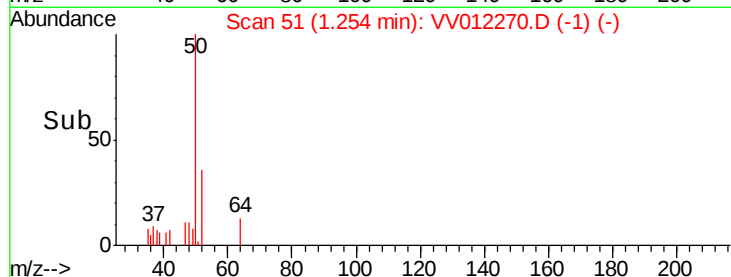
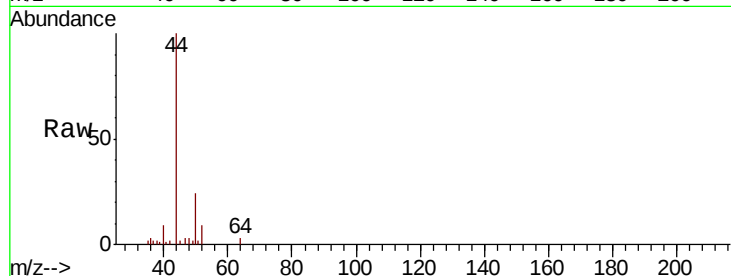
C0AG4

Tgt Ion: 50 Resp: 2206

Ion Ratio Lower Upper

50 100

52 36.3 22.6 42.0



#13

Acetone

Concen: 2.917 ug/L

RT: 2.30 min Scan# 376

Delta R.T. 0.06 min

Lab File: VV012270.D

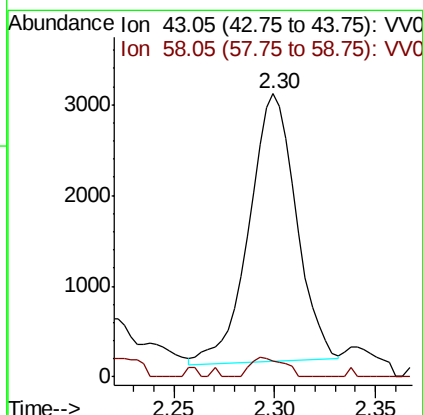
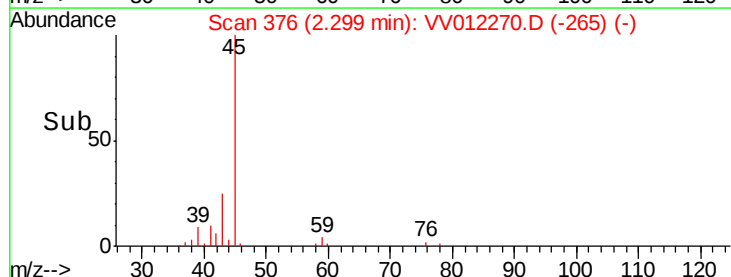
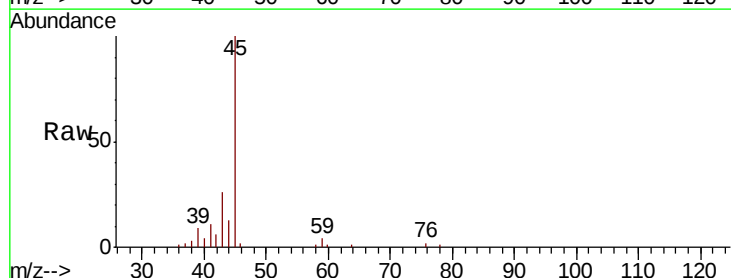
Acq: 16 Aug 2019 15:01

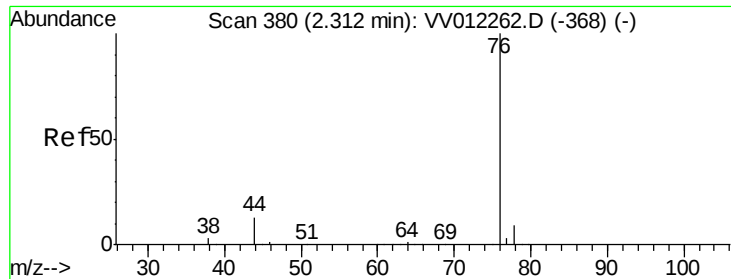
Tgt Ion: 43 Resp: 4782

Ion Ratio Lower Upper

43 100

58 5.2 0.0 59.4





#14

Carbon disulfide

Concen: 0.076 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV012270.D

Acq: 16 Aug 2019 15:01

Instrument :

MSVOA_V

ClientSampleId :

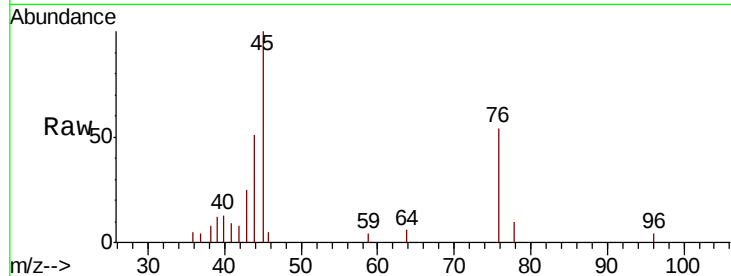
C0AG4

Tgt Ion: 76 Resp: 2328

Ion Ratio Lower Upper

76 100

78 17.5 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

1500

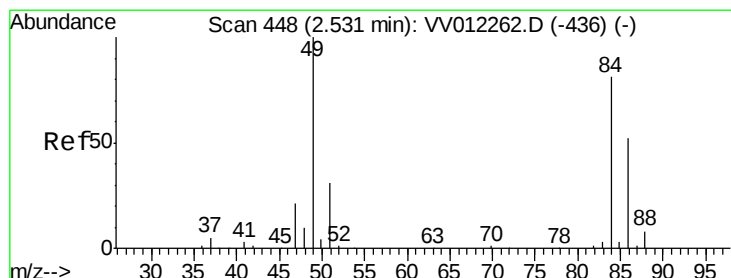
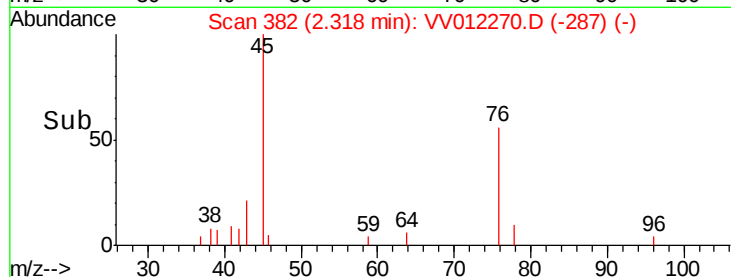
1000

500

0

2.30 2.35

Time-->



#16

Methylene chloride

Concen: 0.102 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.01 min

Lab File: VV012270.D

Acq: 16 Aug 2019 15:01

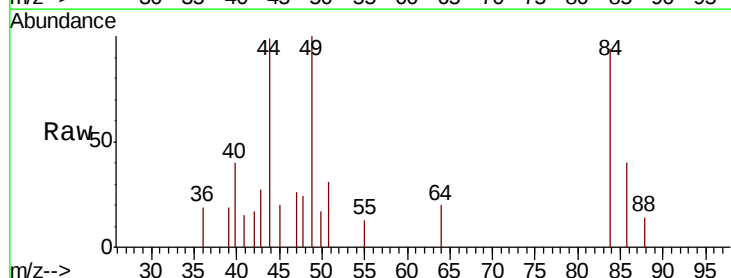
Tgt Ion: 84 Resp: 1149

Ion Ratio Lower Upper

84 100

86 42.4 44.4 82.5#

49 105.9 85.1 158.1



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

1200

1000

800

600

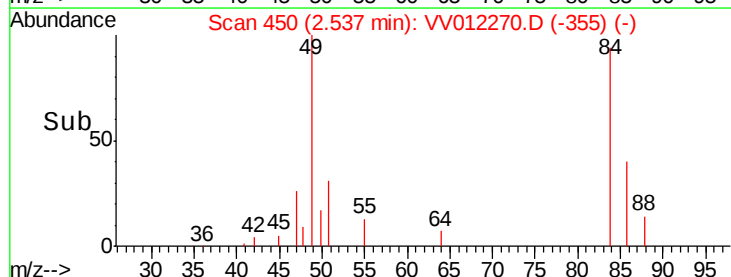
400

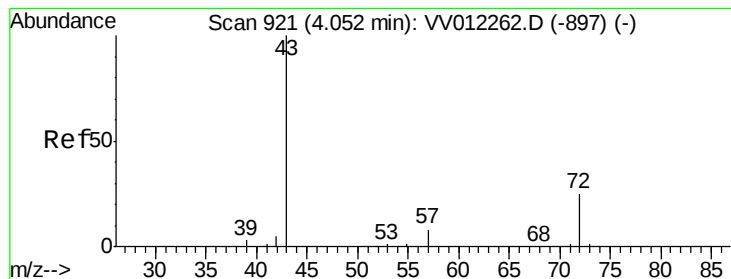
200

0

2.50 2.52 2.54 2.56

Time-->





#21

2-Butanone

Concen: 10.644 ug/L

RT: 4.00 min Scan# 904

Delta R.T. -0.05 min

Lab File: VV012270.D

Acq: 16 Aug 2019 15:01

Instrument :

MSVOA_V

ClientSampleId :

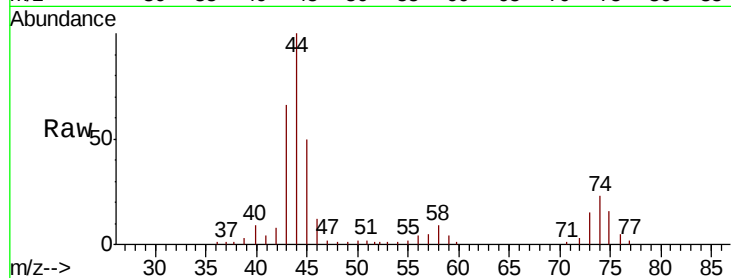
C0AG4

Tgt Ion: 43 Resp: 35674

Ion Ratio Lower Upper

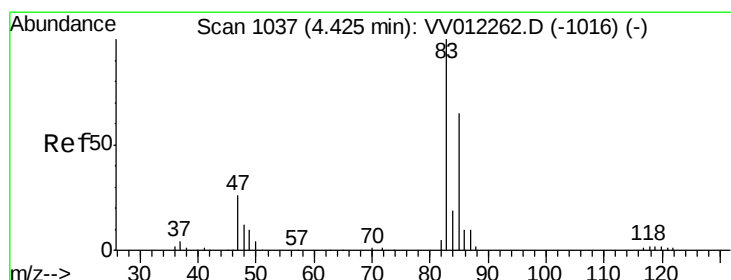
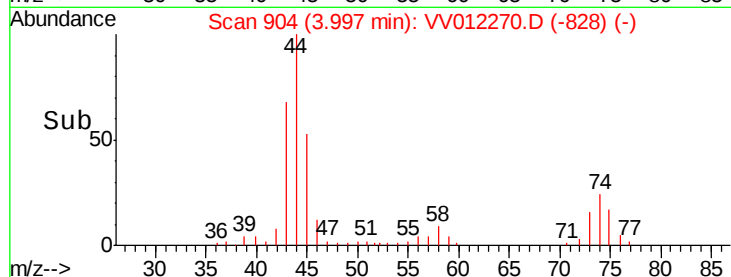
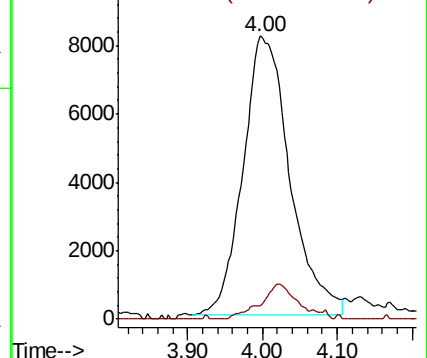
43 100

72 9.3 12.9 38.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



#25

Chloroform

Concen: 0.413 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.01 min

Lab File: VV012270.D

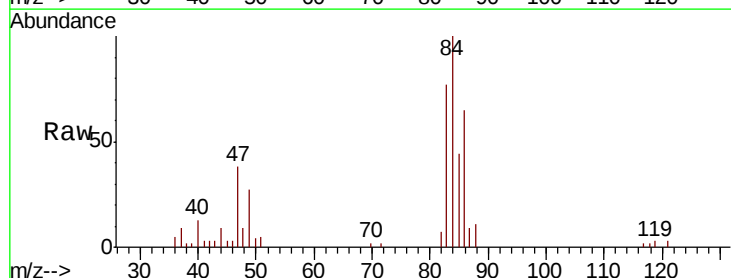
Acq: 16 Aug 2019 15:01

Tgt Ion: 83 Resp: 11912

Ion Ratio Lower Upper

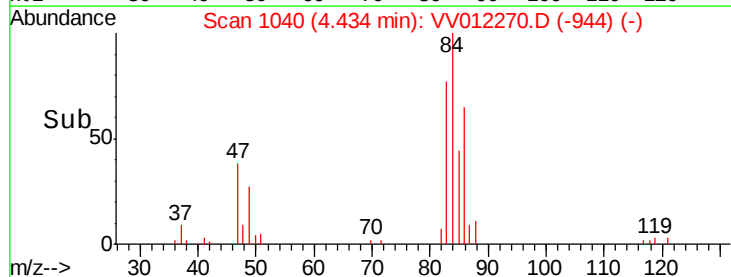
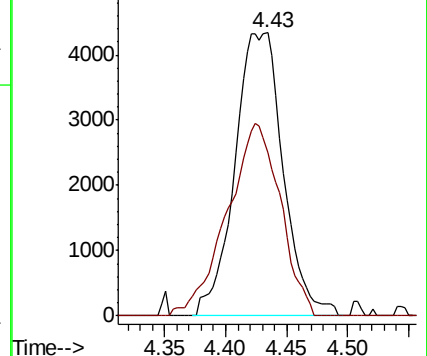
83 100

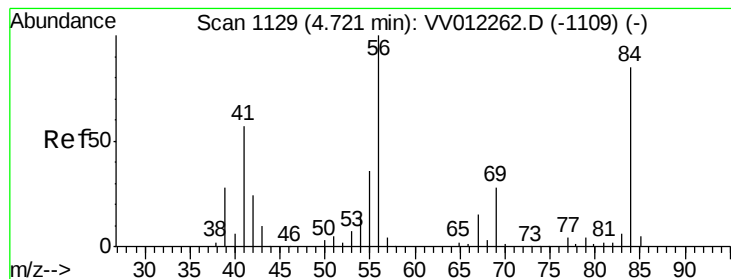
85 57.6 44.3 82.3



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#30

Cyclohexane

Concen: 0.150 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VV012270.D

Acq: 16 Aug 2019 15:01

Instrument :

MSVOA_V

ClientSampleId :

C0AG4

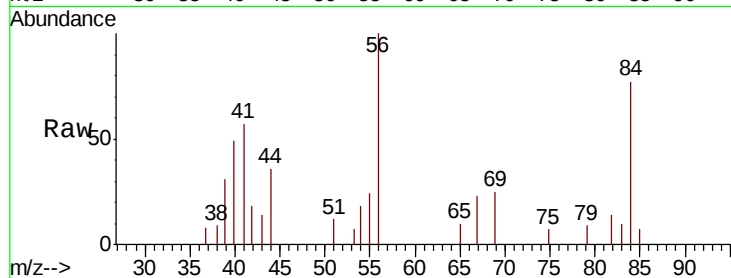
Tgt Ion: 56 Resp: 3565

Ion Ratio Lower Upper

56 100

69 15.7 24.6 36.8#

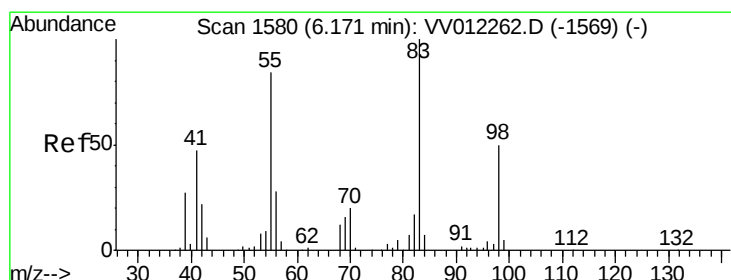
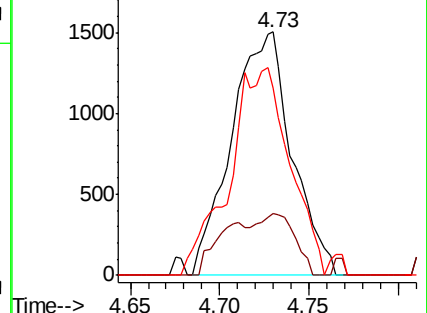
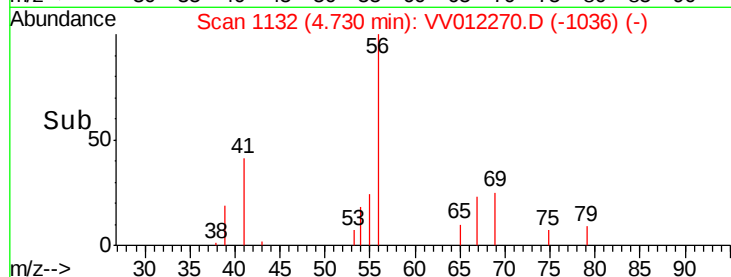
84 85.1 71.0 106.6



Abundance Ion 56.10 (55.80 to 56.80): VV012270.D (-1036) (-)

Ion 69.15 (68.85 to 69.85): VV012270.D (-1036) (-)

Ion 84.15 (83.85 to 84.85): VV012270.D (-1036) (-)



#35

Methylcyclohexane

Concen: 0.882 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV012270.D

Acq: 16 Aug 2019 15:01

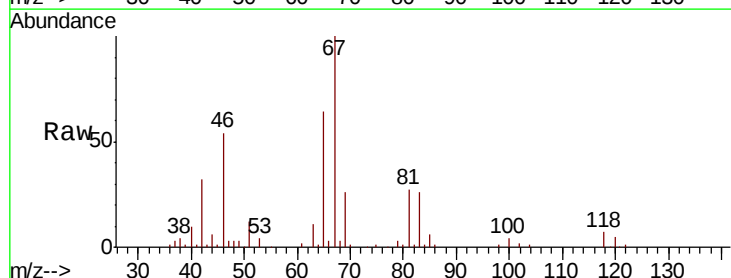
Tgt Ion: 83 Resp: 21874

Ion Ratio Lower Upper

83 100

55 1.4 62.2 93.2#

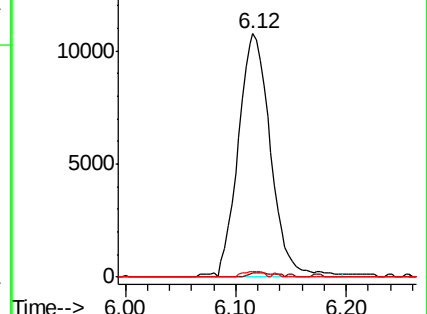
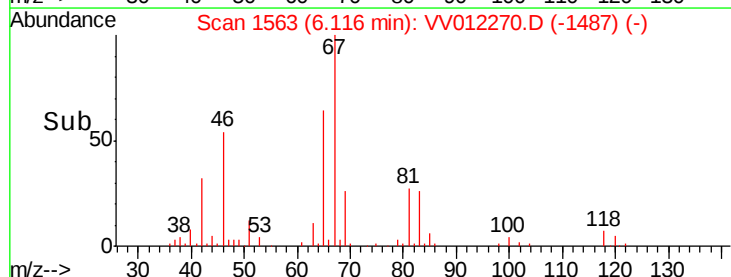
98 1.5 39.2 58.8#

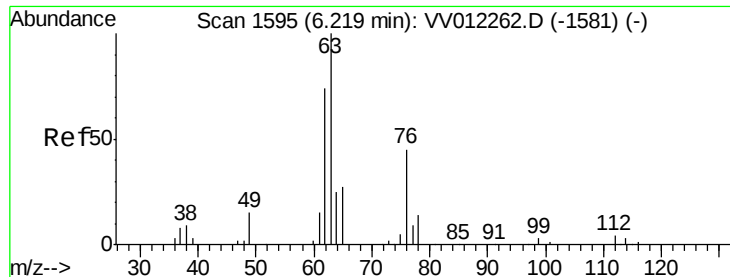


Abundance Ion 83.15 (82.85 to 83.85): VV012270.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV012270.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV012270.D (-1487) (-)





#37

1,2-Dichloropropane

Concen: 0.670 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV012270.D

Acq: 16 Aug 2019 15:01

Instrument :

MSVOA_V

ClientSampled :

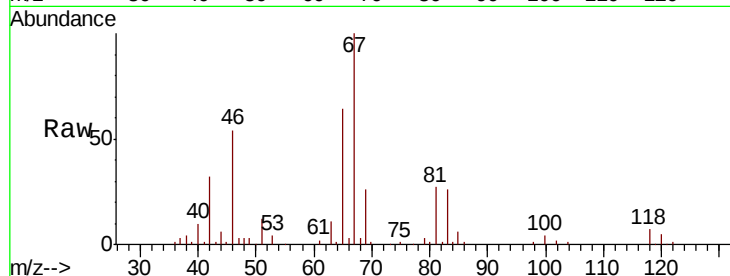
C0AG4

Tgt Ion: 63 Resp: 9845

Ion Ratio Lower Upper

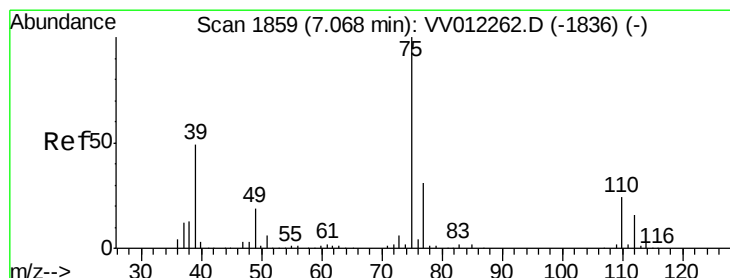
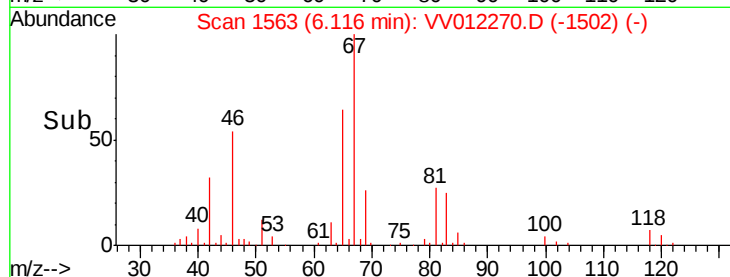
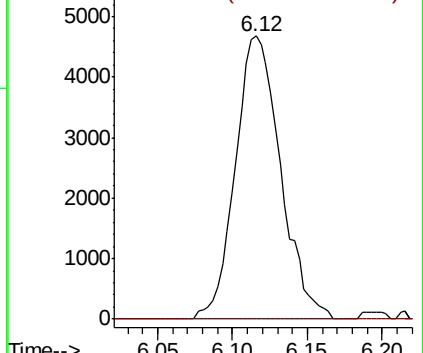
63 100

112 0.2 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VV012262.D (-1581) (-)

Ion 112.10 (111.80 to 112.80): VV012262.D (-1581) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.113 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV012270.D

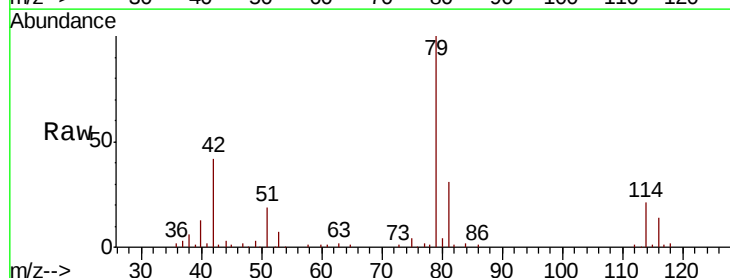
Acq: 16 Aug 2019 15:01

Tgt Ion: 75 Resp: 2295

Ion Ratio Lower Upper

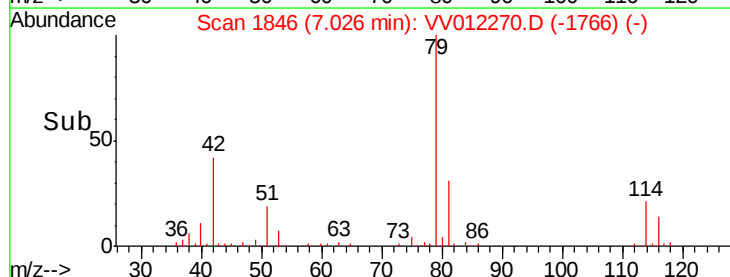
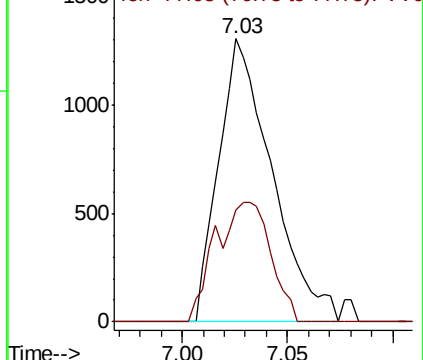
75 100

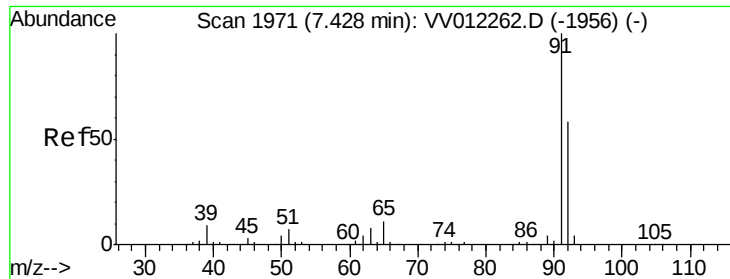
77 39.7 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV012262.D (-1836) (-)

Ion 77.05 (76.75 to 77.75): VV012262.D (-1836) (-)





#42

Toluene

Concen: 0.085 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012270.D

Acq: 16 Aug 2019 15:01

Instrument :

MSVOA_V

ClientSampleId :

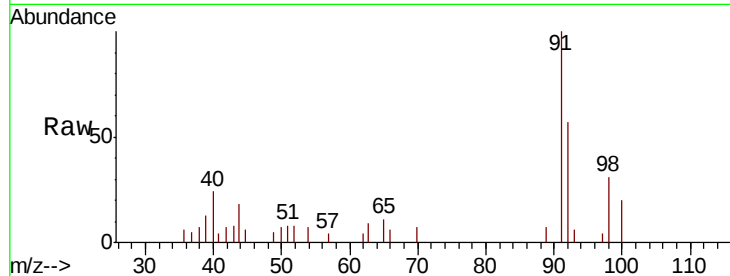
C0AG4

Tgt Ion: 91 Resp: 5353

Ion Ratio Lower Upper

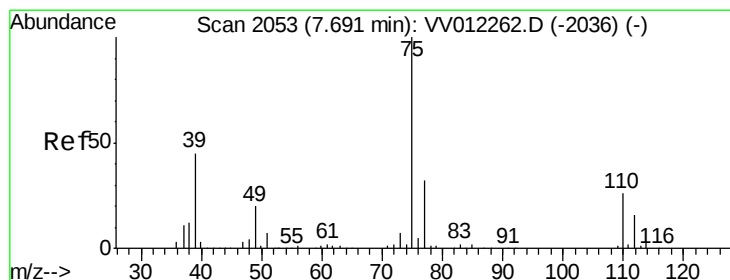
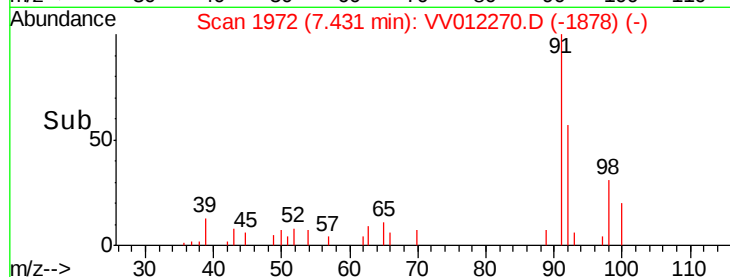
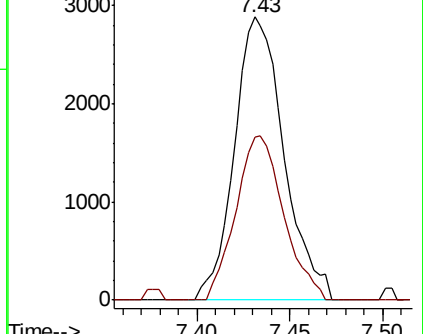
91 100

92 57.4 39.8 73.8



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: 0.093 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012270.D

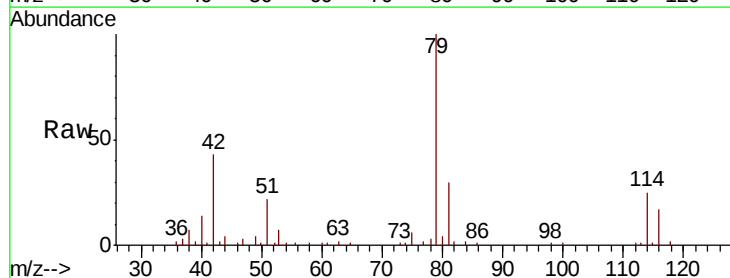
Acq: 16 Aug 2019 15:01

Tgt Ion: 75 Resp: 1477

Ion Ratio Lower Upper

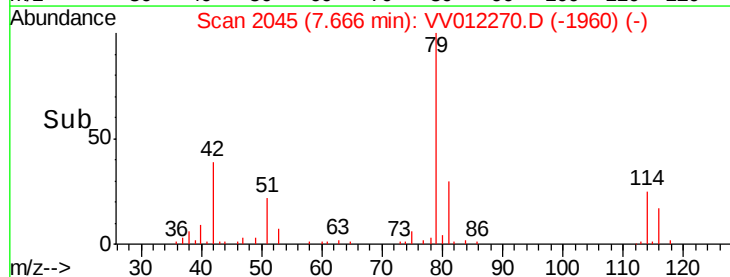
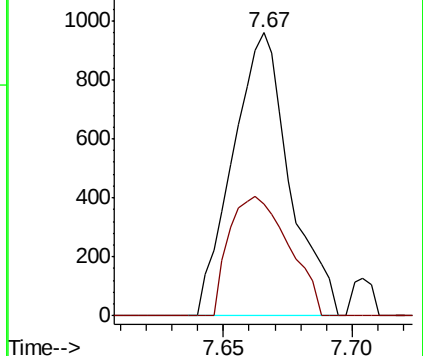
75 100

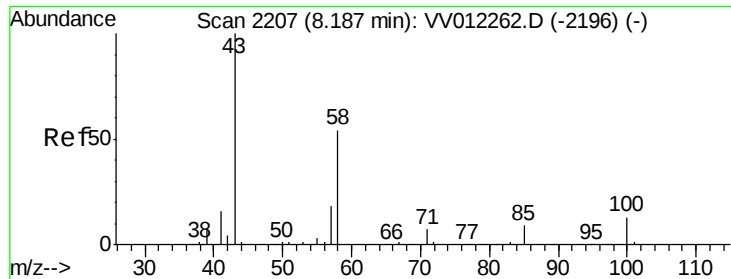
77 39.4 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#48

2-Hexanone

Concen: 5.289 ug/L

RT: 8.18 min Scan# 2204

Delta R.T. -0.01 min

Lab File: VV012270.D

Acq: 16 Aug 2019 15:01

Instrument :
MSVOA_V
ClientSampleId :
C0AG4

Tgt Ion: 43 Resp: 30113

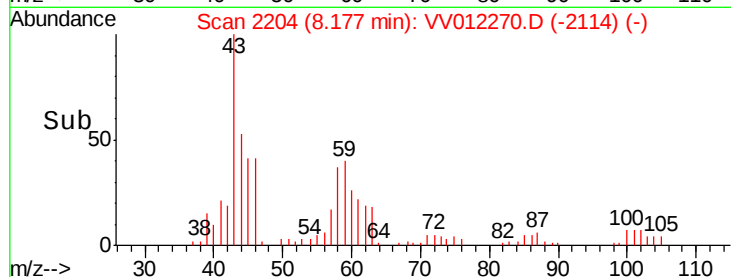
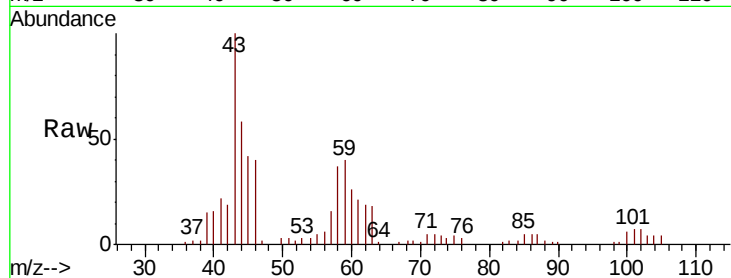
Ion Ratio Lower Upper

43 100

58 33.2 43.0 64.4#

57 14.9 14.9 22.3#

100 5.0 10.3 15.5#



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

