

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100118\
 Data File : VW005763.D
 Acq On : 02 Oct 2018 04:31
 Operator : SY/AP
 Sample : J5181-10
 Misc : 2.56G/105ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 02 07:21:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 02 07:19:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	16982	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	18797	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	8554	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	2488	11.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	45.96%
7) Chloroethane-d5	2.89	69	3020	17.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.52%
10) 1,1-Dichloroethene-d2	4.02	63	4869	10.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	41.20%#
20) 2-Butanone-d5	7.09	46	5077	73.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	146.10%#
24) Chloroform-d	7.65	84	11975	27.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	8.31	65	10256	38.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	155.28%#
29) Benzene-d6	8.28	84	17718	19.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	76.16%
33) 1,2-Dichloropropane-d6	9.28	67	8101	30.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	120.48%#
37) Toluene-d8	10.33	98	14785	16.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	64.36%
38) trans-1,3-Dichloropropene-	10.59	79	3198	22.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.56%
39) 2-Hexanone-d5	10.93	63	3353	53.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	9889	37.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	151.40%#
61) 1,2-Dichlorobenzene-d4	13.86	152	7540	24.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.64%

Target Compounds

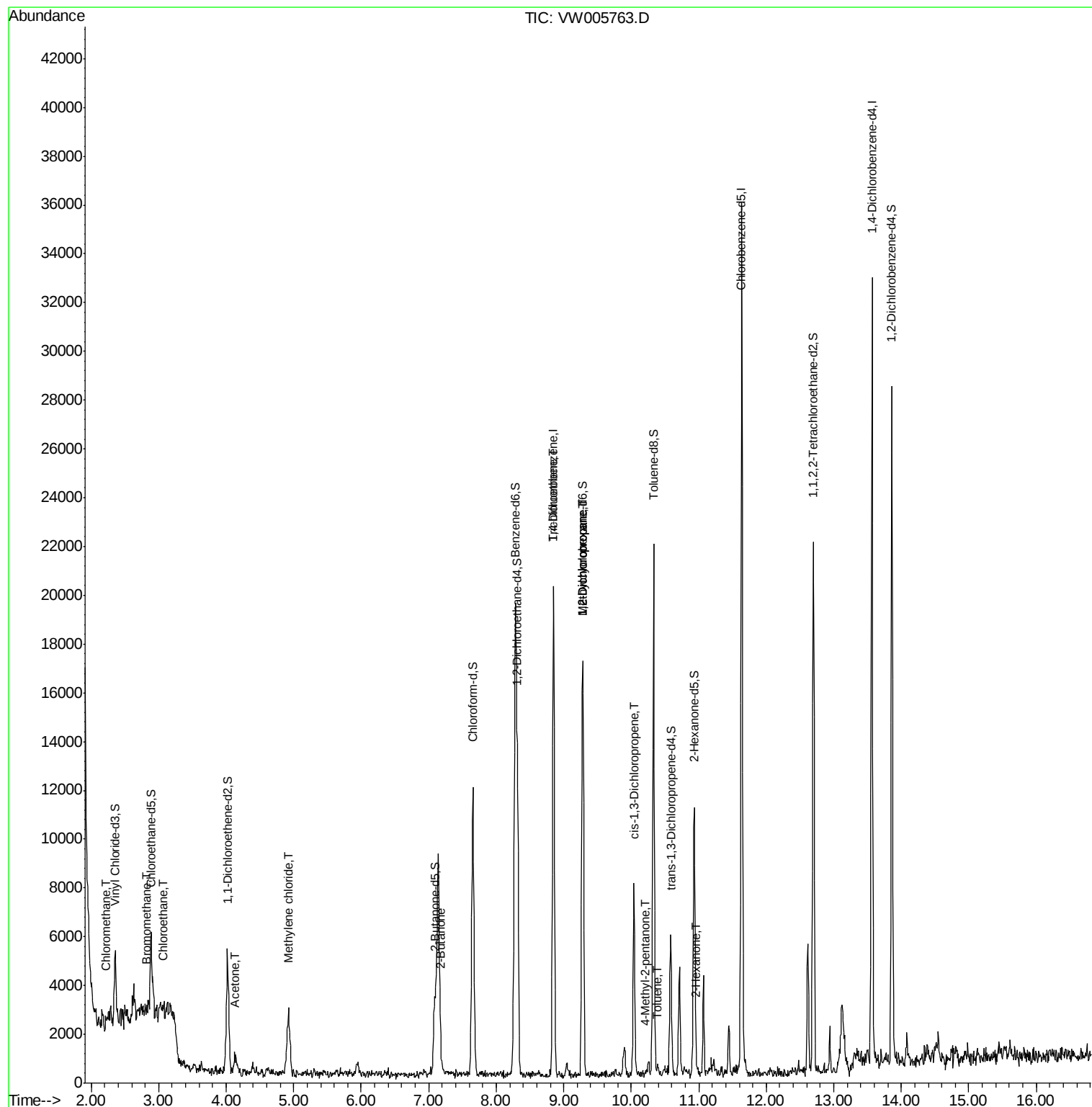
					Ovalue
3) Chloromethane	2.21	50	104	0.561	ug/L # 41
6) Bromomethane	2.81	94	47	0.292	ug/L # 4
8) Chloroethane	3.06	64	75	0.504	ug/L # 44
13) Acetone	4.13	43	1181	16.318	ug/L 91
16) Methylene chloride	4.92	84	1107	3.954	ug/L 89
21) 2-Butanone	7.18	43	70	0.808	ug/L # 49
35) Trichloroethene	8.85	95	498	1.753	ug/L # 5
36) Methylcyclohexane	9.28	83	2075	4.200	ug/L # 18
40) 1,2-Dichloropropane	9.27	63	927	3.581	ug/L # 87
42) cis-1,3-Dichloropropene	10.04	75	196	0.459	ug/L # 14
43) 4-Methyl-2-pentanone	10.21	43	155	0.734	ug/L # 45
44) Toluene	10.39	91	380	0.320	ug/L 88
49) 2-Hexanone	10.96	43	153	1.032	ug/L # 39

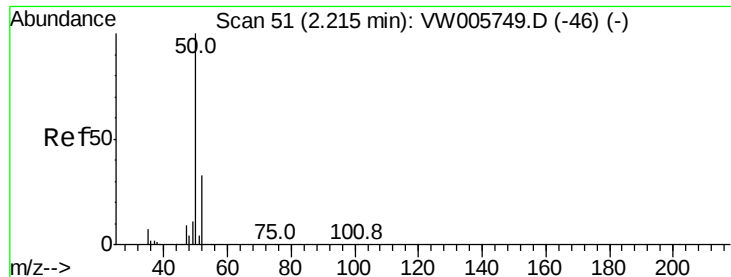
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 02 07:21:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 02 07:19:35 2018
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.561 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005763.D

Acq: 02 Oct 2018 04:31

Instrument :

MSVOA_W

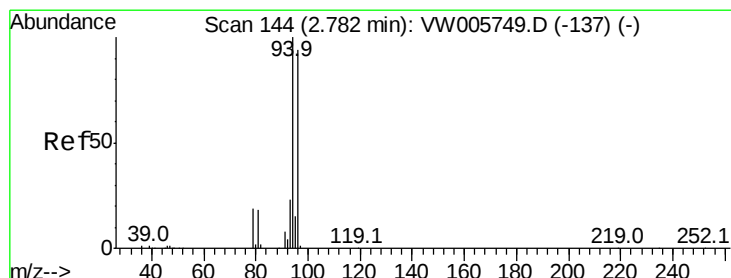
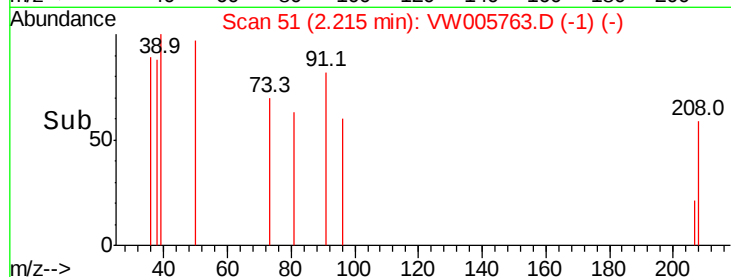
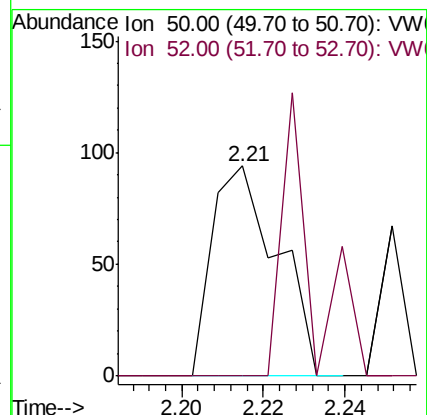
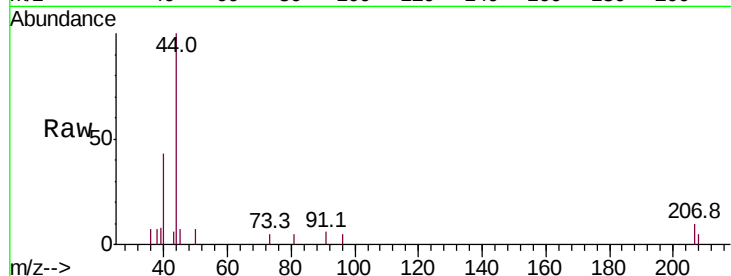
ClientSampled :

Tot Ion: 50 Resp: 104

Ion Ratio Lower Upper

50 100

52 0.0 23.4 43.4#



#6

Bromomethane

Concen: 0.292 ug/L

RT: 2.81 min Scan# 149

Delta R.T. 0.03 min

Lab File: VW005763.D

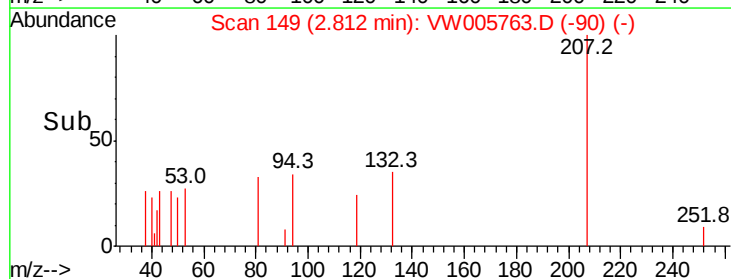
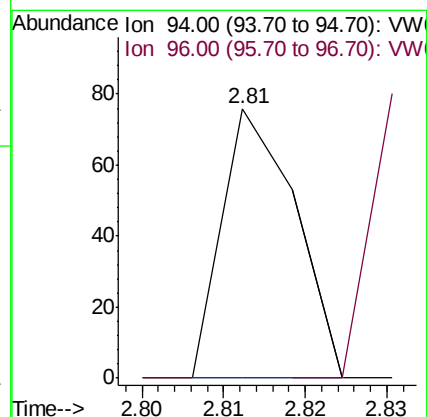
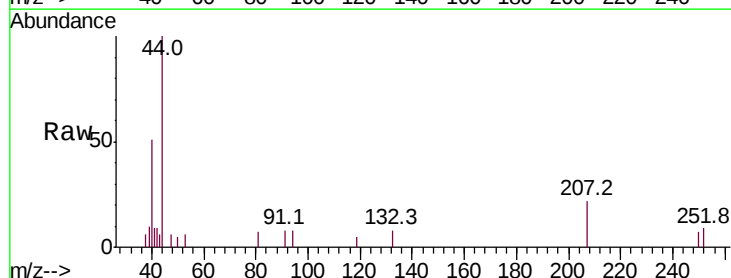
Acq: 02 Oct 2018 04:31

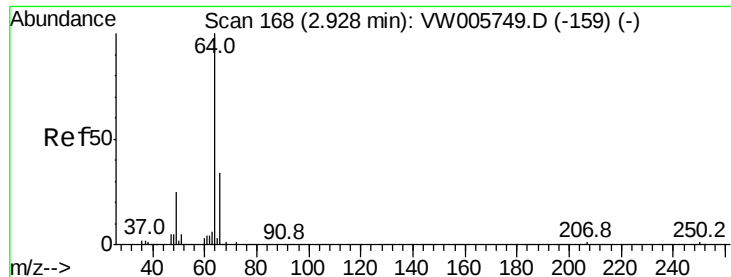
Tgt Ion: 94 Resp: 47

Ion Ratio Lower Upper

94 100

96 189.4 9.6 181.6#





#8

Chloroethane

Concen: 0.504 ug/L

RT: 3.06 min Scan# 189

Delta R.T. 0.13 min

Lab File: VW005763.D

Acq: 02 Oct 2018 04:31

Instrument :

MSVOA_W

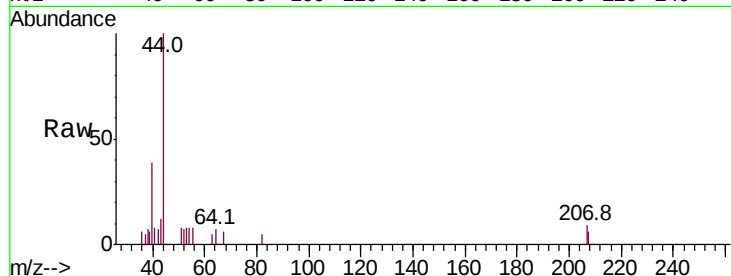
ClientSampleId :

Tot Ion: 64 Resp: 75

Ion Ratio Lower Upper

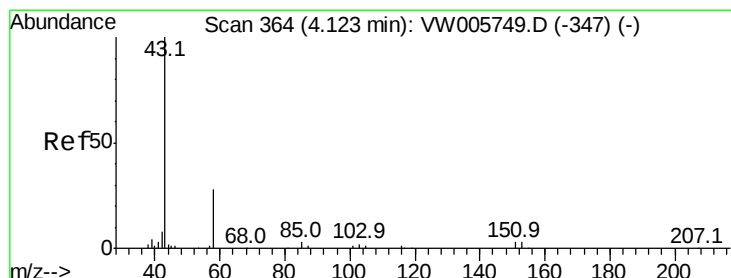
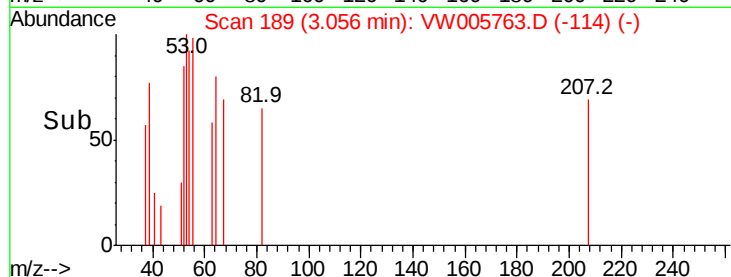
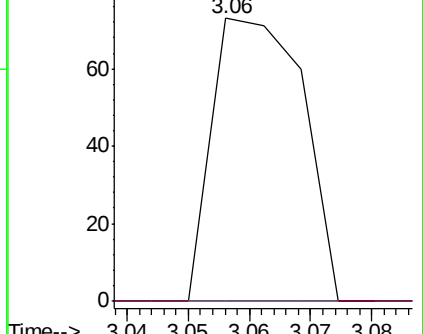
64 100

66 0.0 21.1 39.3#



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#13

Acetone

Concen: 16.318 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW005763.D

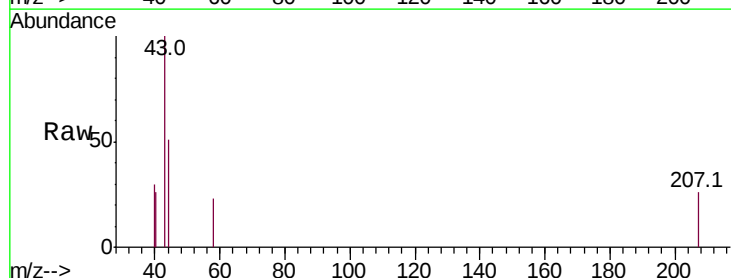
Acq: 02 Oct 2018 04:31

Tgt Ion: 43 Resp: 1181

Ion Ratio Lower Upper

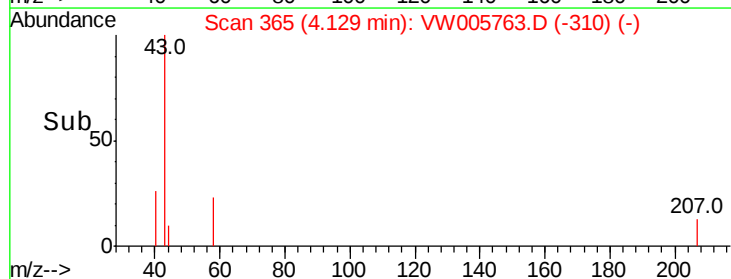
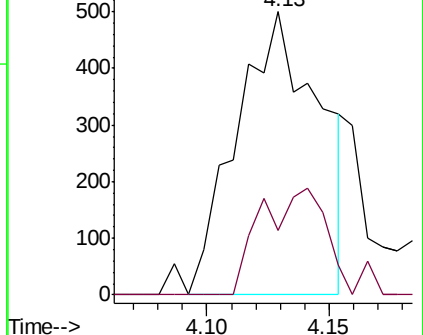
43 100

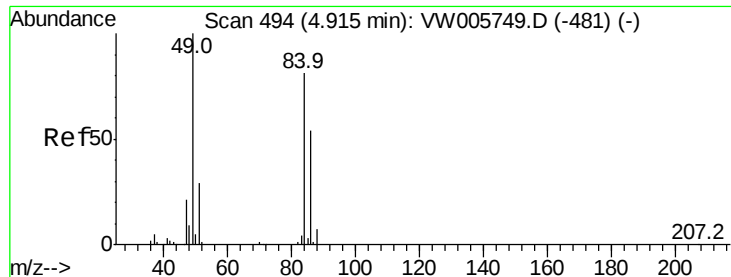
58 12.0 0.0 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

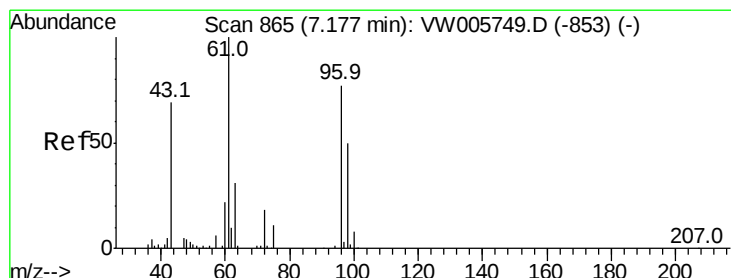
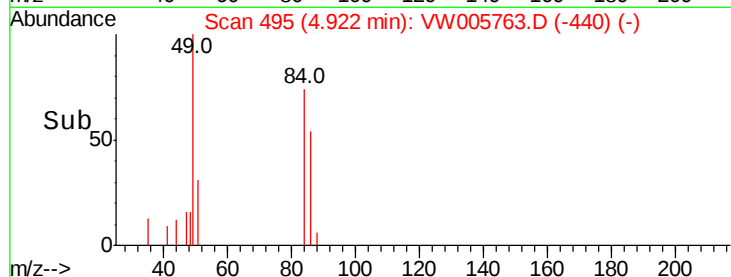
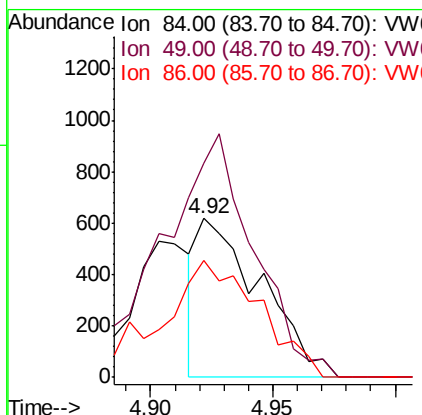
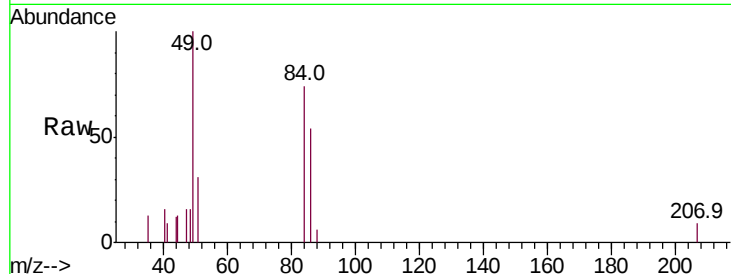




#16
Methvlene chloride
Concen: 3.954 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW005763.D
Acq: 02 Oct 2018 04:31

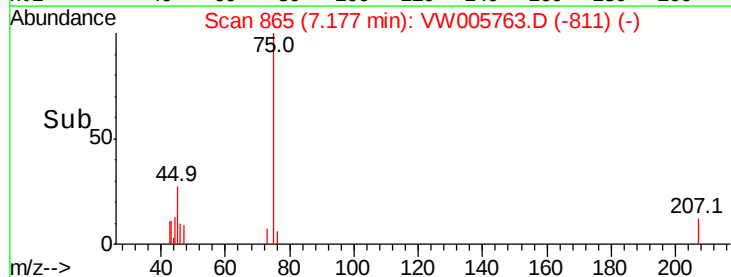
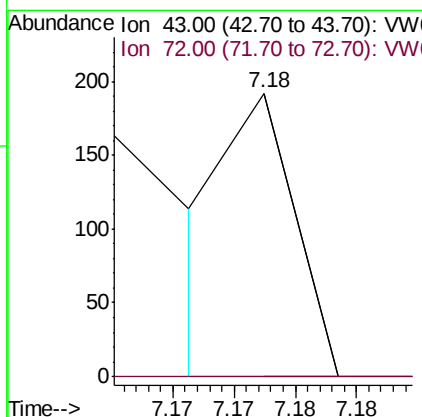
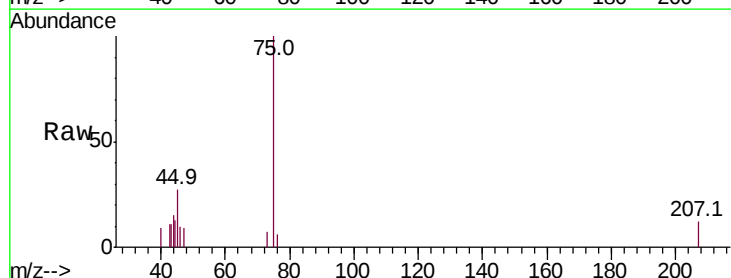
Instrument :
MSVOA_W
ClientSampled :

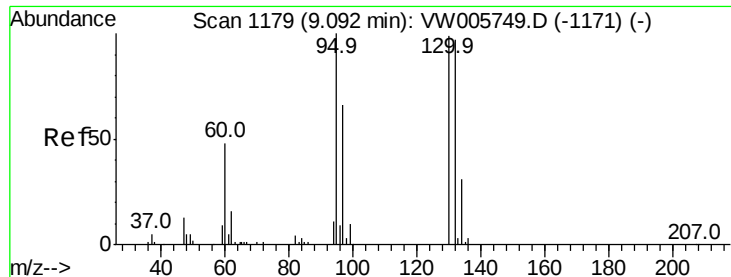
Tot Ion: 84 Resp: 1107
Ion Ratio Lower Upper
84 100
49 135.1 87.2 162.0
86 73.6 43.2 80.2



#21
2-Butanone
Concen: 0.808 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW005763.D
Acq: 02 Oct 2018 04:31

Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
72 0.0 13.2 39.6#

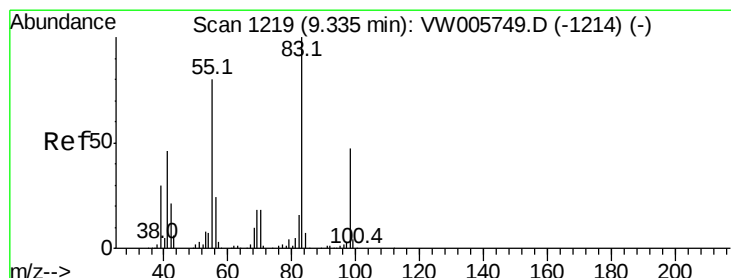
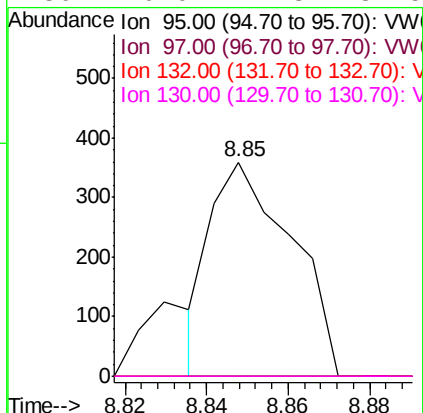
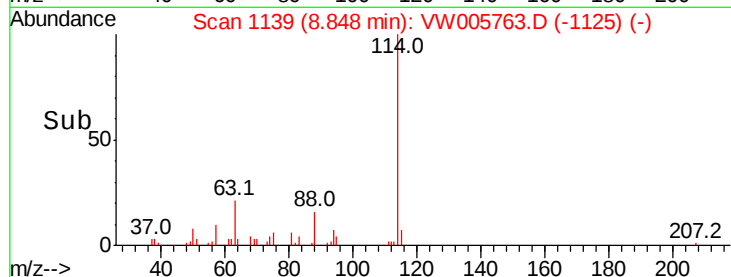
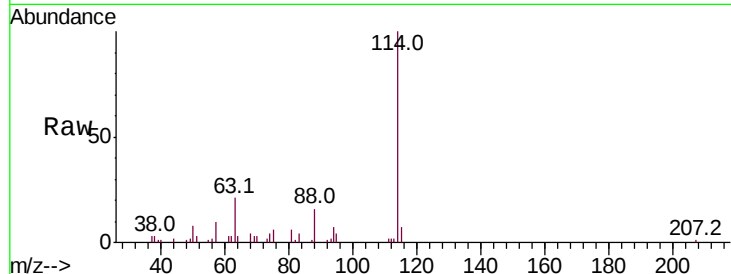




#35
 Trichloroethene
 Concen: 1.753 ug/L
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.24 min
 Lab File: VW005763.D
 Acq: 02 Oct 2018 04:31

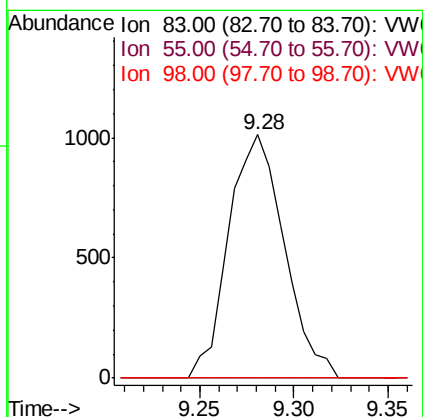
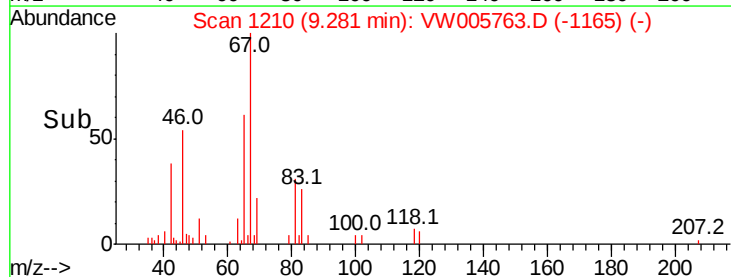
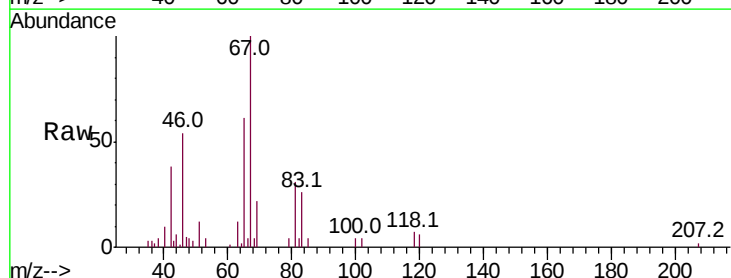
Instrument :
 MSVOA_W
 ClientSampled :

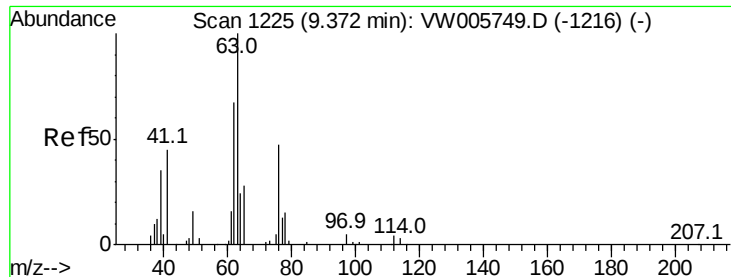
Tot Ion	Ratio	Lower	Upper
95	100		
97	0.0	45.2	84.0#
132	0.0	68.0	126.4#
130	0.0	71.3	132.5#



#36
 Methylcyclohexane
 Concen: 4.200 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.05 min
 Lab File: VW005763.D
 Acq: 02 Oct 2018 04:31

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.5	93.7#
98	0.0	37.7	56.5#

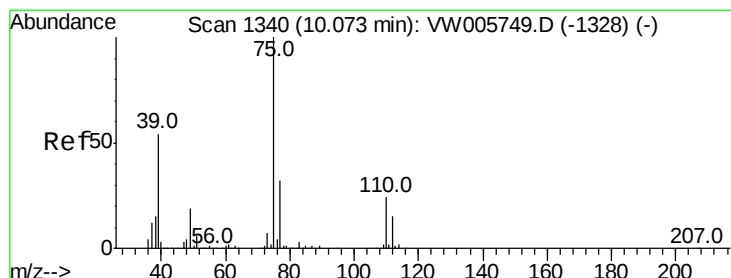
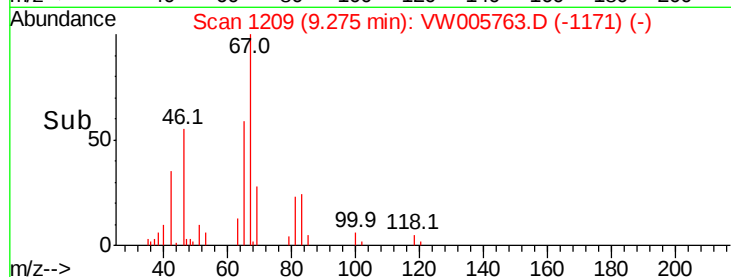
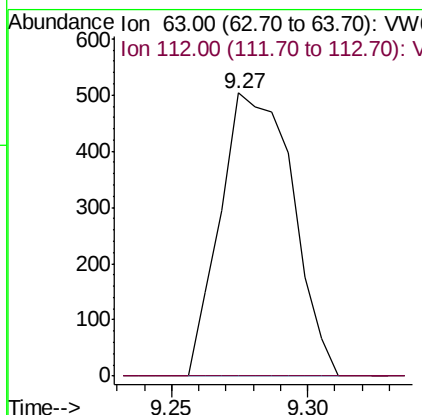
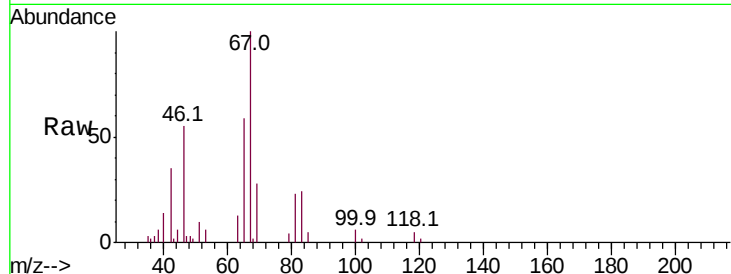




#40
 1,2-Dichloropropane
 Concen: 3.581 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.10 min
 Lab File: VW005763.D
 Acq: 02 Oct 2018 04:31

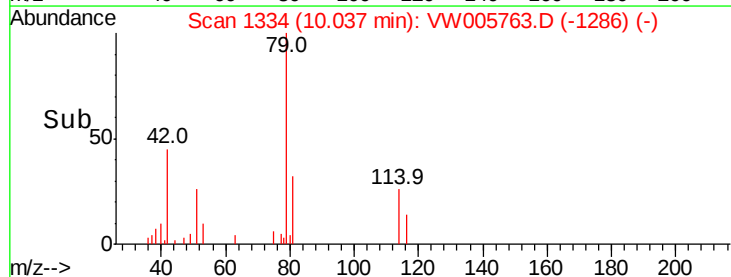
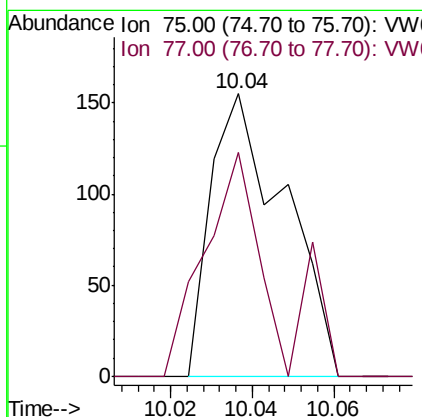
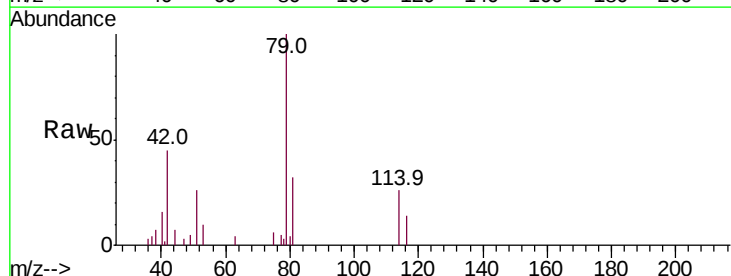
Instrument :
 MSVOA_W
 ClientSampleId :

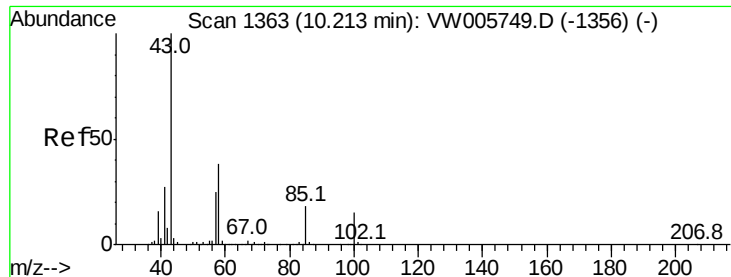
Tot Ion: 63 Resp: 927
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#42
 cis-1,3-Dichloropropene
 Concen: 0.459 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW005763.D
 Acq: 02 Oct 2018 04:31

Tgt Ion: 75 Resp: 196
 Ion Ratio Lower Upper
 75 100
 77 79.4 22.3 41.3#





#43

4-Methyl-2-pentanone

Concen: 0.734 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW005763.D

Acq: 02 Oct 2018 04:31

Instrument :

MSVOA_W

ClientSampleId :

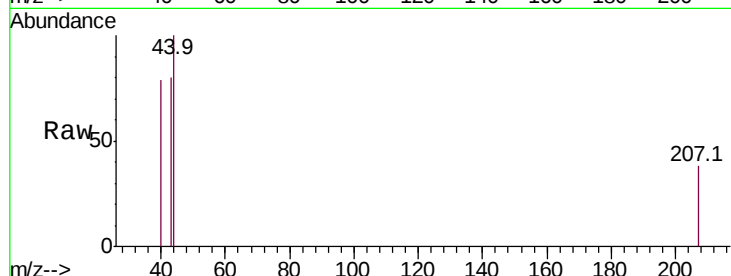
Tot Ion: 43 Resp: 155

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.8#

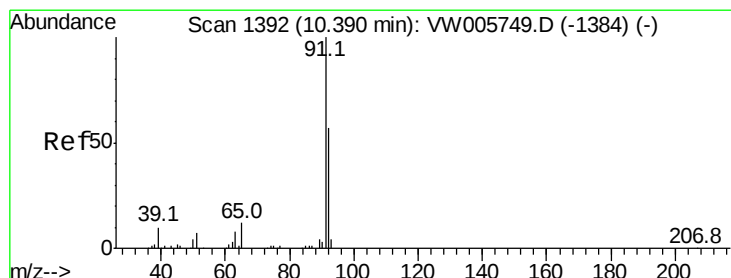
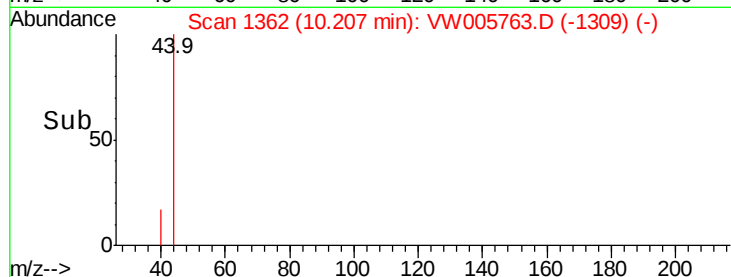
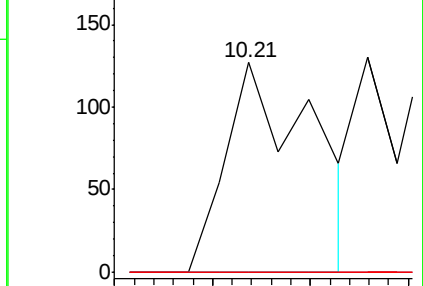
100 0.0 12.2 18.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW



#44

Toluene

Concen: 0.320 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005763.D

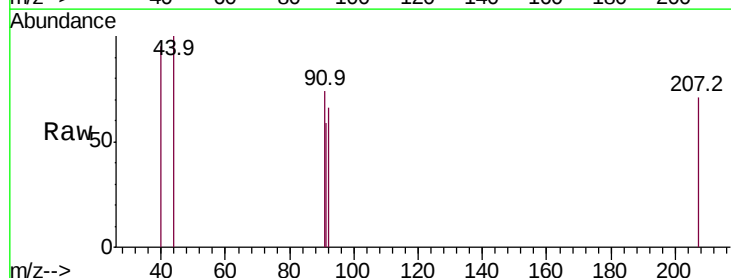
Acq: 02 Oct 2018 04:31

Tgt Ion: 91 Resp: 380

Ion Ratio Lower Upper

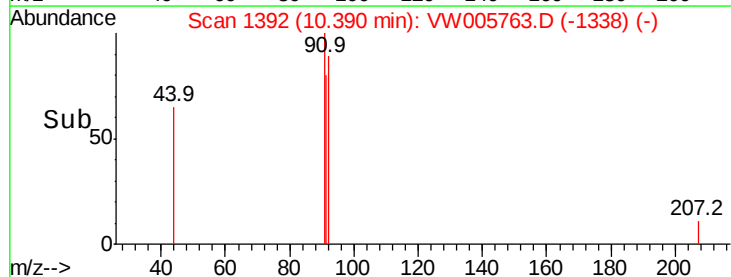
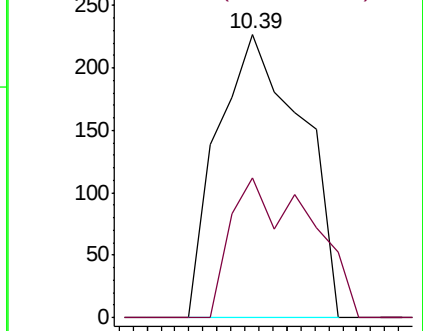
91 100

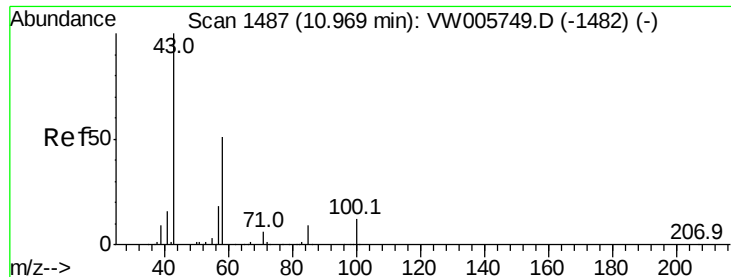
92 49.3 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#49

2-Hexanone

Concen: 1.032 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW005763.D

Acq: 02 Oct 2018 04:31

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 153

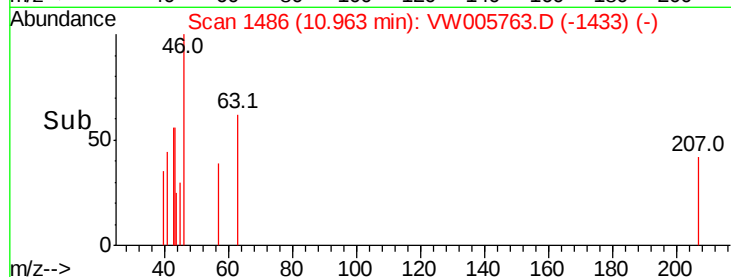
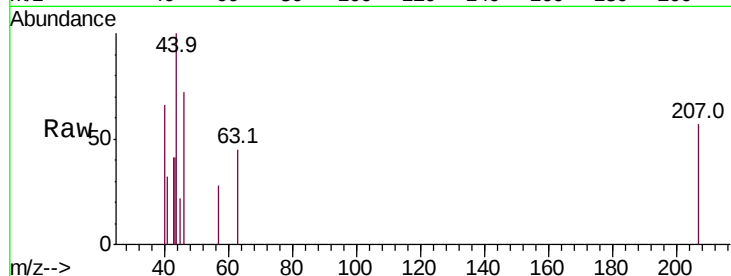
Ion Ratio Lower Upper

43 100

58 0.0 42.0 63.0#

57 0.0 15.7 23.5#

100 0.0 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

