

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032119\
 Data File : VW009336.D
 Acq On : 21 Mar 2019 19:50
 Operator : SY/VA
 Sample : K2048-03
 Misc : 5.39G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 22 09:44:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 09:38:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	46986	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	44322	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	18451	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	16952	30.19	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	120.76%
7) Chloroethane-d5	2.89	69	15105	22.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.96%
10) 1,1-Dichloroethene-d2	4.02	63	24558	20.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.96%
20) 2-Butanone-d5	7.08	46	10448	44.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.98%
24) Chloroform-d	7.65	84	34205	26.68	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.72%
26) 1,2-Dichloroethane-d4	8.31	65	21116	27.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.36%
29) Benzene-d6	8.27	84	58690	24.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.04%
33) 1,2-Dichloropropane-d6	9.27	67	19759	26.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.64%
37) Toluene-d8	10.32	98	45641	20.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.76%
38) trans-1,3-Dichloropropene-	10.58	79	7982	21.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.60%
39) 2-Hexanone-d5	10.92	63	6632	37.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	18556	25.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.64%
61) 1,2-Dichlorobenzene-d4	13.86	152	15687	22.17	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.68%

Target Compounds

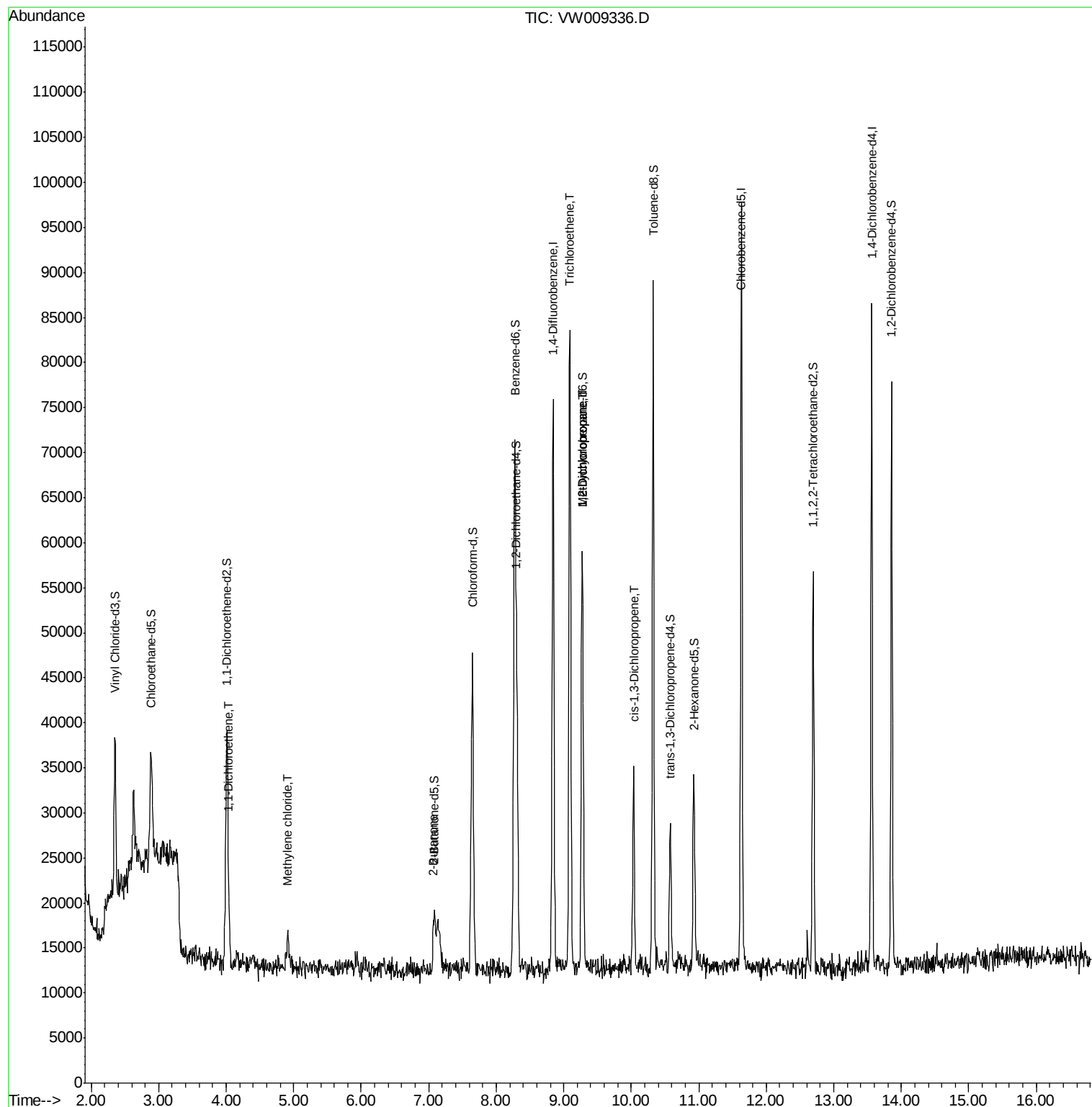
					Ovalue
12) 1,1-Dichloroethene	4.04	96	213	0.368 ug/L #	1
16) Methylene chloride	4.92	84	1944	2.837 ug/L #	67
21) 2-Butanone	7.06	43	140	0.532 ug/L	90
35) Trichloroethene	9.09	95	22693	35.106 ug/L	97
36) Methylcyclohexane	9.27	83	5149	4.604 ug/L #	18
40) 1,2-Dichloropropane	9.27	63	2975	4.779 ug/L #	90
42) cis-1,3-Dichloropropene	10.03	75	837	0.826 ug/L	93

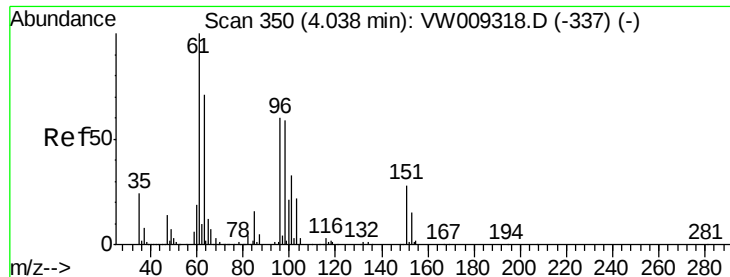
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Mar 22 09:38:27 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.368 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW009336.D

Acq: 21 Mar 2019 19:50

Instrument :

MSVOA_W

ClientSampled :

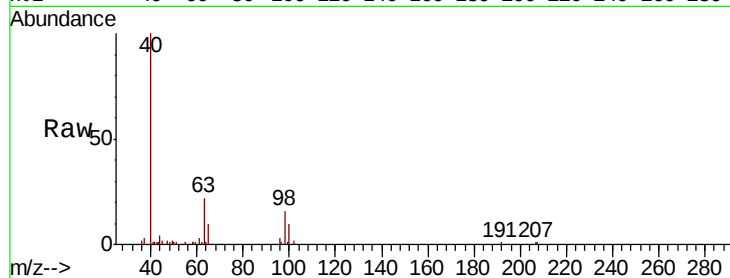
Tot Ion: 96 Resp: 213

Ion Ratio Lower Upper

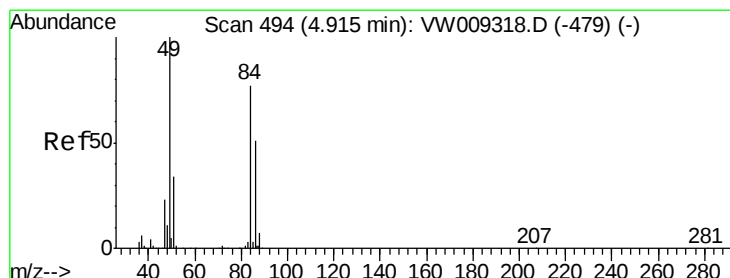
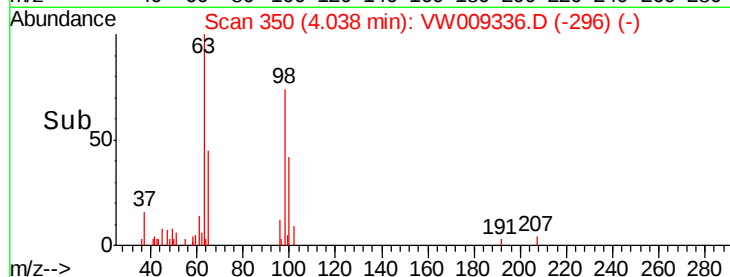
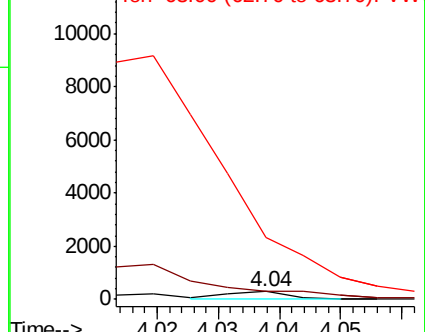
96 100

61 89.0 129.4 240.2#

63 656.2 116.8 217.0#



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 63.00 (62.70 to 63.70): VW



#16

Methylene chloride

Concen: 2.837 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009336.D

Acq: 21 Mar 2019 19:50

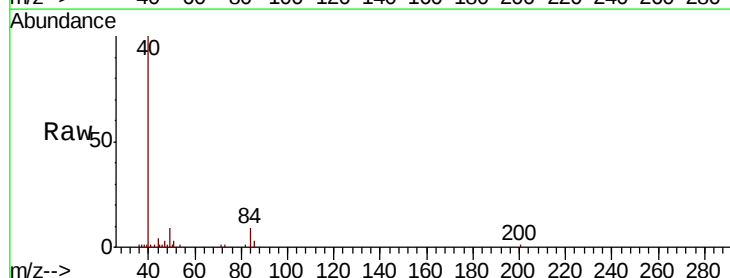
Tgt Ion: 84 Resp: 1944

Ion Ratio Lower Upper

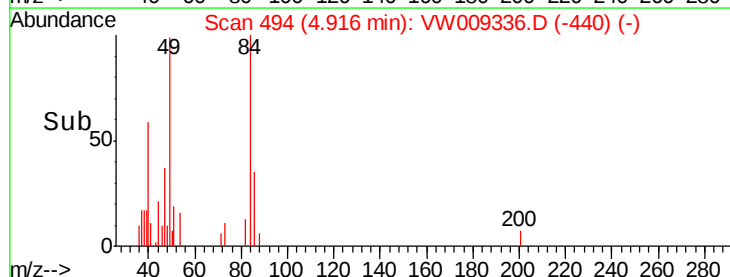
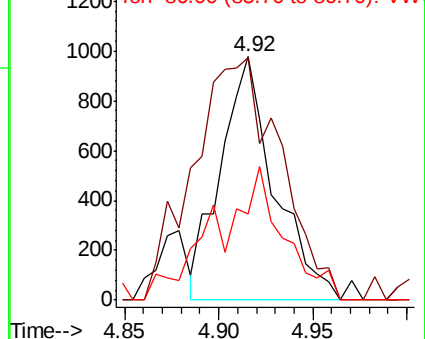
84 100

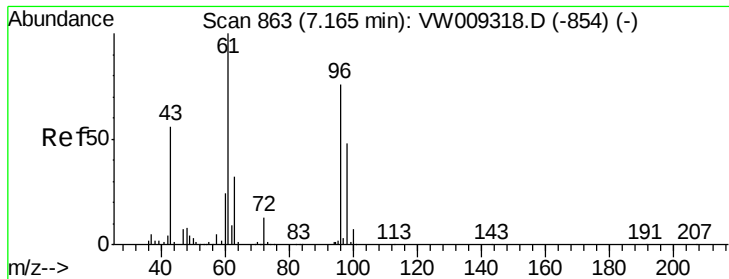
49 99.5 96.0 178.2

86 35.2 44.4 82.5#



Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 0.532 ug/L

RT: 7.06 min Scan# 846

Delta R.T. -0.10 min

Lab File: VW009336.D

Acq: 21 Mar 2019 19:50

Instrument :

MSVOA_W

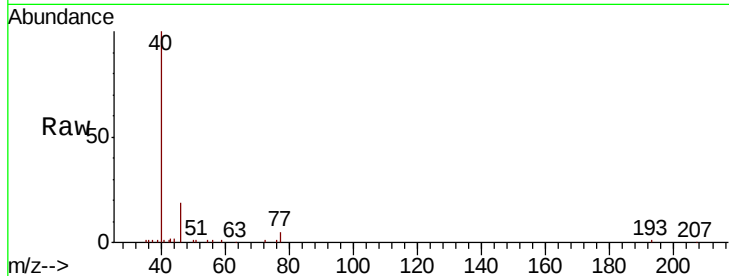
ClientSampleId :

Tot Ion: 43 Resp: 140

Ion Ratio Lower Upper

43 100

72 31.4 13.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.06

200

150

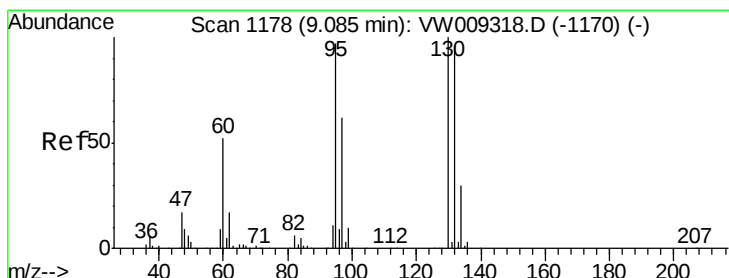
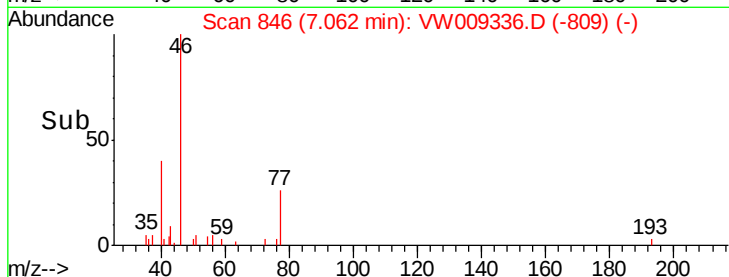
100

50

0

7.05 7.06 7.07 7.08

Time-->



#35

Trichloroethene

Concen: 35.106 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW009336.D

Acq: 21 Mar 2019 19:50

Tgt Ion: 95 Resp: 22693

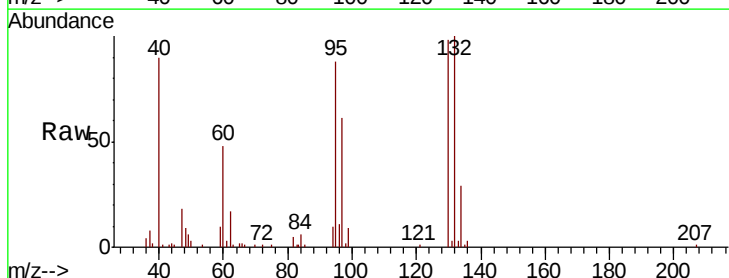
Ion Ratio Lower Upper

95 100

97 65.2 44.7 82.9

132 103.2 69.0 128.2

130 100.7 72.7 134.9



Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

20000

15000

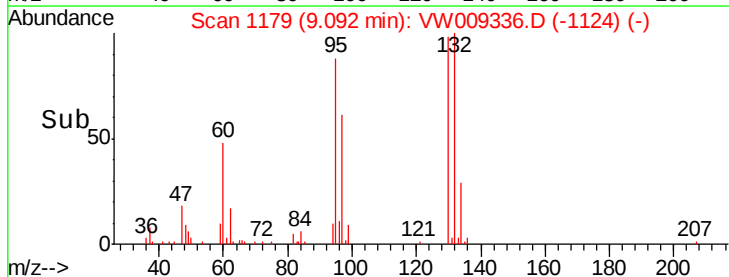
10000

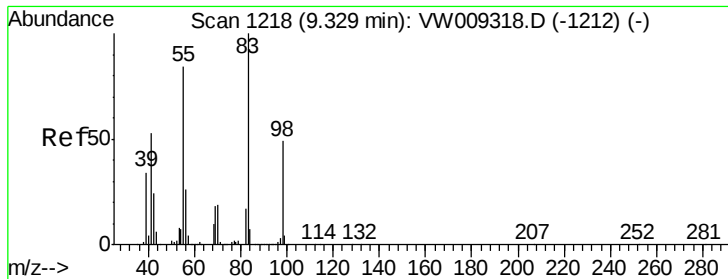
5000

0

9.00 9.05 9.10 9.15

Time-->

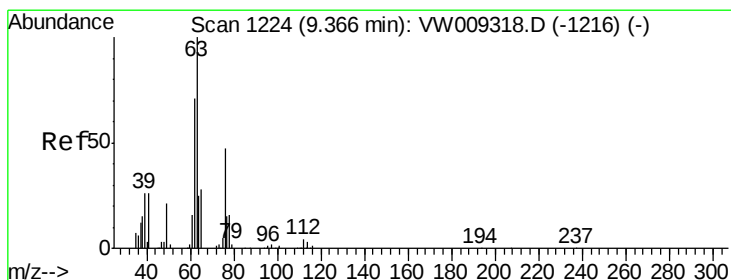
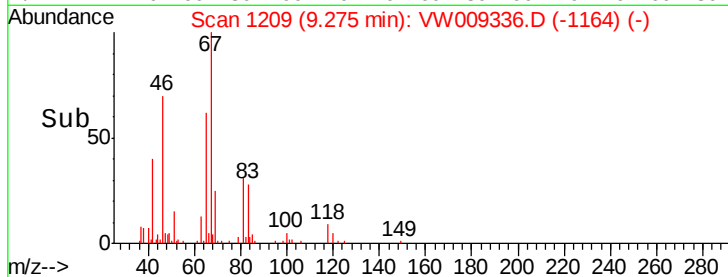
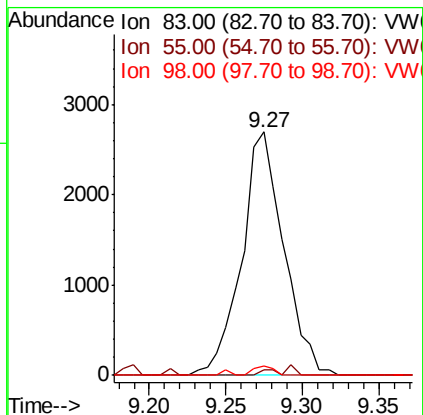
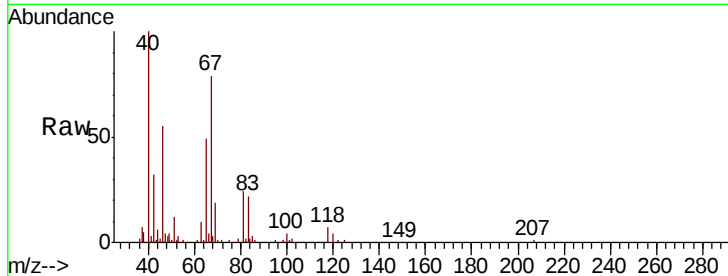




#36
Methvlcvclohexane
Concen: 4.604 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.05 min
Lab File: VW009336.D
Acq: 21 Mar 2019 19:50

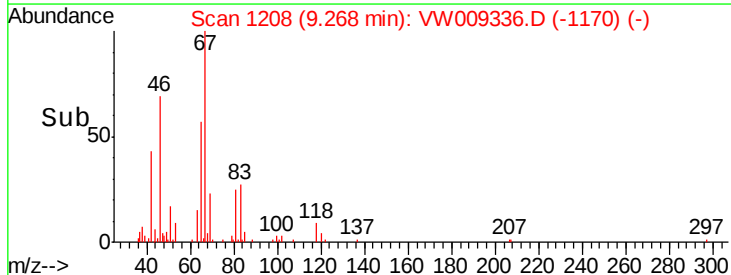
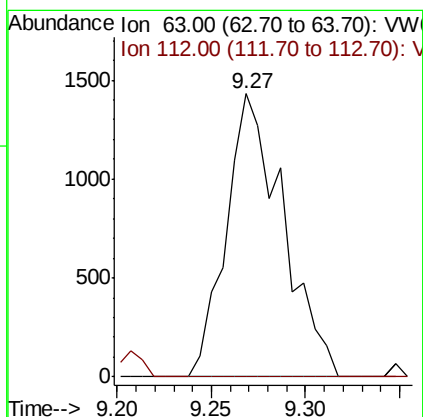
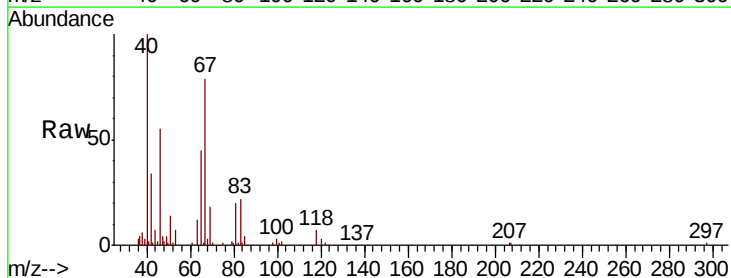
Instrument :
MSVOA_W
ClientSampleId :

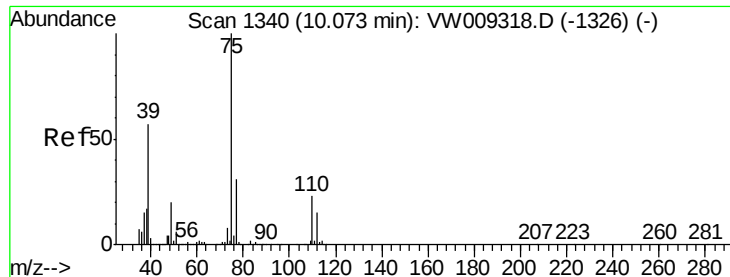
Tot Ion: 83 Resp: 5149
Ion Ratio Lower Upper
83 100
55 0.9 63.5 95.3#
98 1.7 39.8 59.8#



#40
1,2-Dichloropropane
Concen: 4.779 ug/L
RT: 9.27 min Scan# 1208
Delta R.T. -0.10 min
Lab File: VW009336.D
Acq: 21 Mar 2019 19:50

Tgt Ion: 63 Resp: 2975
Ion Ratio Lower Upper
63 100
112 1.6 4.0 6.0#





#42

cis-1,3-Dichloropropene

Concen: 0.826 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW009336.D

Acq: 21 Mar 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 837

Ion Ratio Lower Upper

75 100

77 34.5 21.6 40.2

