

Data File : VW007166.D
Acq On : 03 Dec 2018 17:39
Operator : SY/AP
Sample : VIBLK88
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK88

Quant Time: Dec 04 03:18:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 04 03:14:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	153840	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	147692	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	78181	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	25815	19.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.88%
7) Chloroethane-d5	2.89	69	21158	22.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.16%
10) 1,1-Dichloroethene-d2	4.02	63	51933	15.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.92%
20) 2-Butanone-d5	7.08	46	25420	47.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.92%
24) Chloroform-d	7.65	84	58577	18.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	72.72%
26) 1,2-Dichloroethane-d4	8.31	65	43933	23.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.20%
29) Benzene-d6	8.28	84	151084	21.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.12%
33) 1,2-Dichloropropane-d6	9.27	67	45284	22.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.08%
37) Toluene-d8	10.33	98	158671	21.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.52%
38) trans-1,3-Dichloropropene-	10.58	79	21861	22.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.96%
39) 2-Hexanone-d5	10.93	63	23558	50.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	43344	23.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.64%
61) 1,2-Dichlorobenzene-d4	13.86	152	64660	22.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.16%

Target Compounds

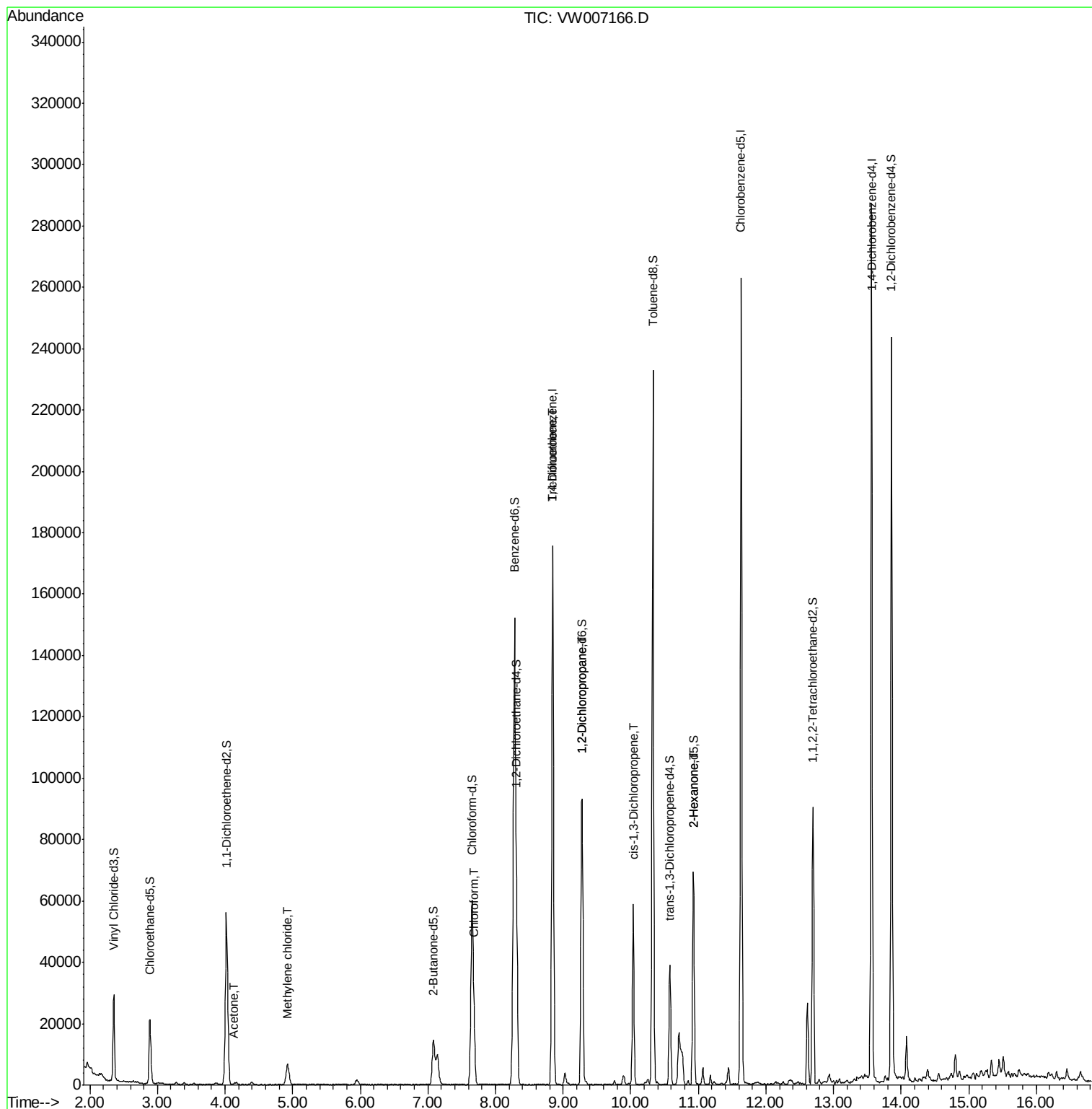
					Qvalue
13) Acetone	4.14	43	924	2.488 ug/L	83
16) Methylene chloride	4.92	84	5227	2.125 ug/L	91
25) Chloroform	7.68	83	15344	4.515 ug/L	98
35) Trichloroethene	8.84	95	4746	2.287 ug/L #	5
40) 1,2-Dichloropropane	9.27	63	5121	2.790 ug/L #	87
42) cis-1,3-Dichloropropene	10.04	75	1366	0.469 ug/L #	67
49) 2-Hexanone	10.93	43	2893	3.146 ug/L #	63

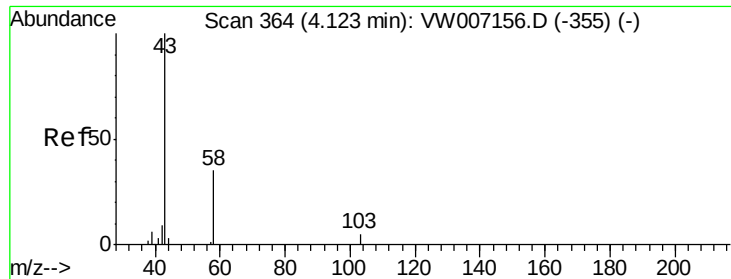
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.488 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

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Acq: 03 Dec 2018 17:39

Instrument :

MSVOA_W

ClientSampleId :

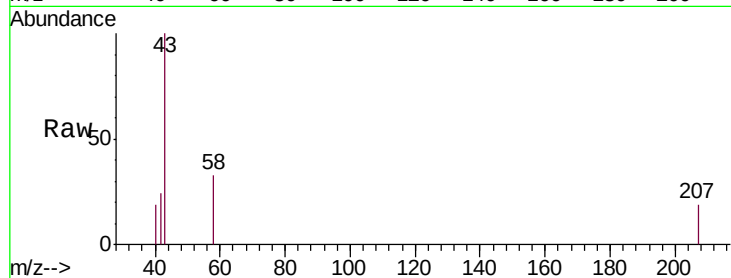
VIBLK88

Tgt Ion: 43 Resp: 924

Ion Ratio Lower Upper

43 100

58 21.9 0.0 62.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

400

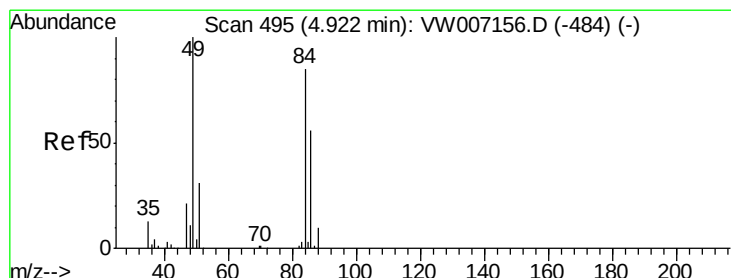
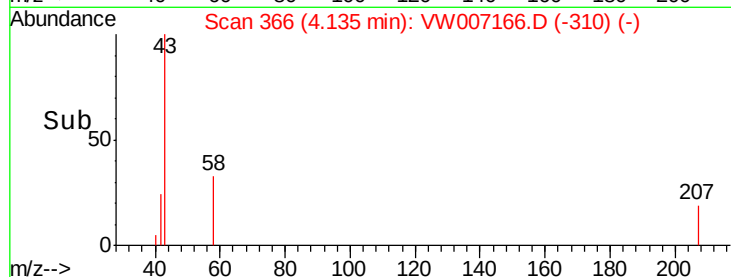
300

200

100

0

Time--> 4.05 4.10 4.15 4.20



#16

Methylene chloride

Concen: 2.125 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

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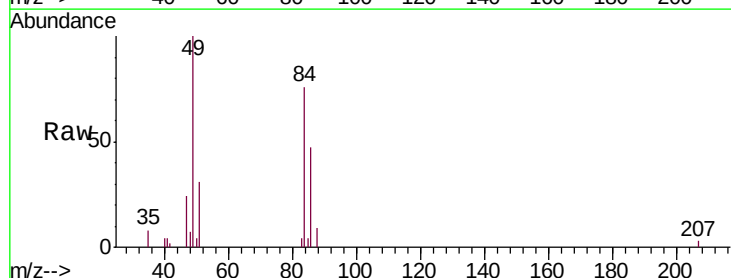
Tgt Ion: 84 Resp: 5227

Ion Ratio Lower Upper

84 100

49 130.9 80.9 150.3

86 61.1 42.8 79.6



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

4.92

3000

2500

2000

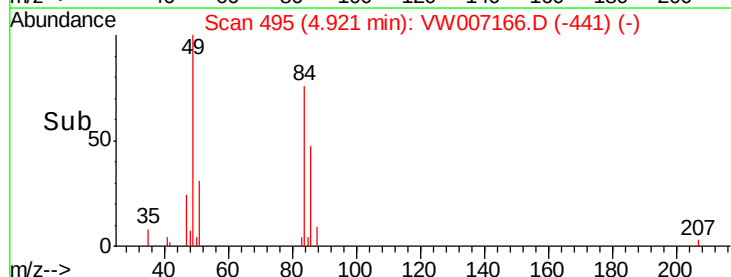
1500

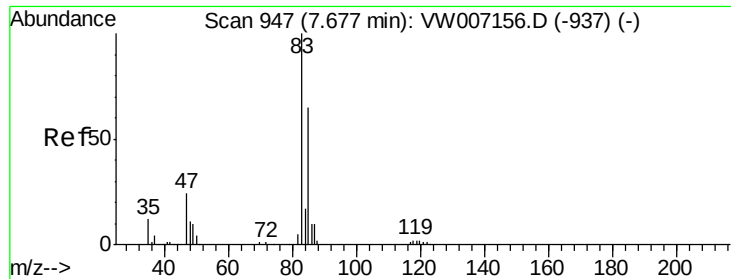
1000

500

0

Time--> 4.85 4.90 4.95 5.00





#25

Chloroform

Concen: 4.515 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

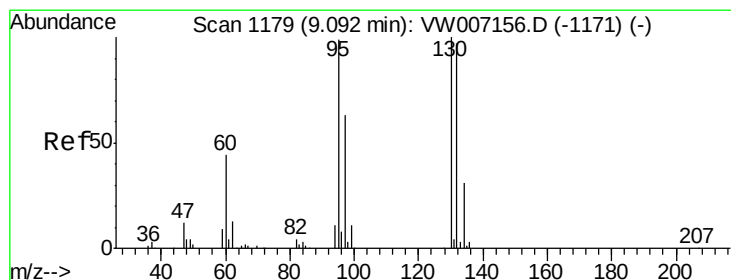
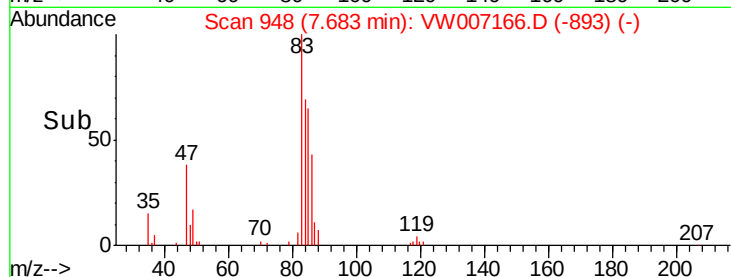
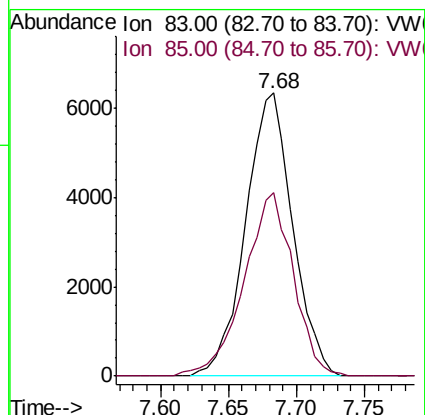
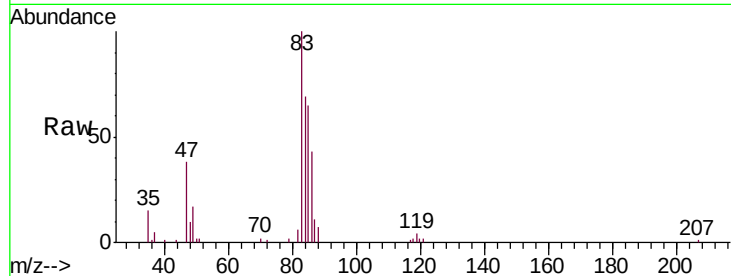
VIBLK88

Tgt Ion: 83 Resp: 15344

Ion Ratio Lower Upper

83 100

85 67.9 46.1 85.7



#35

Trichloroethene

Concen: 2.287 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW007166.D

Acq: 03 Dec 2018 17:39

Tgt Ion: 95 Resp: 4746

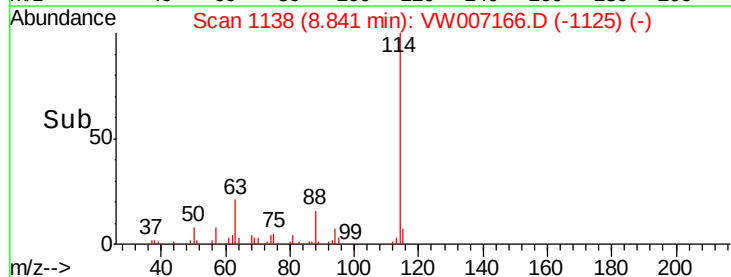
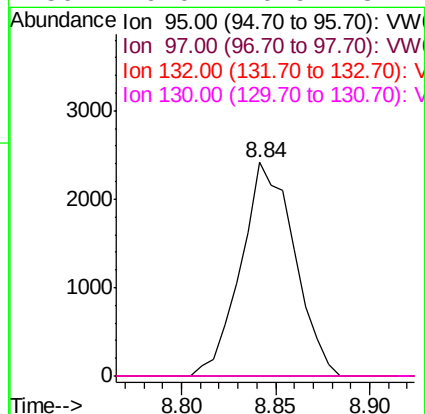
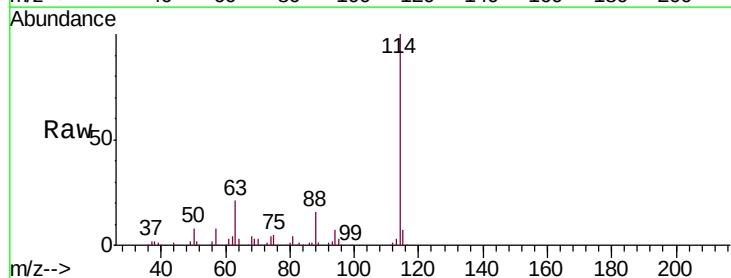
Ion Ratio Lower Upper

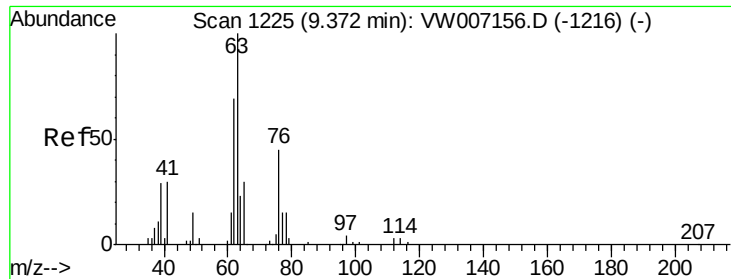
95 100

97 0.0 44.7 83.1#

132 0.0 68.2 126.6#

130 0.0 70.9 131.7#

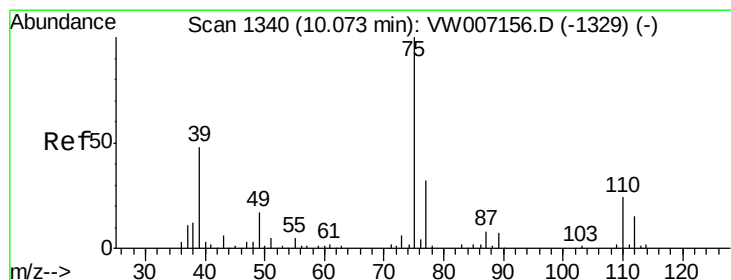
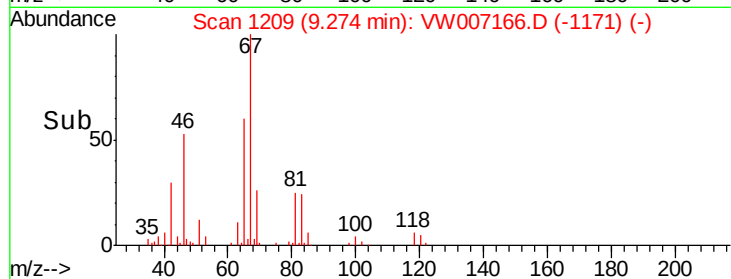
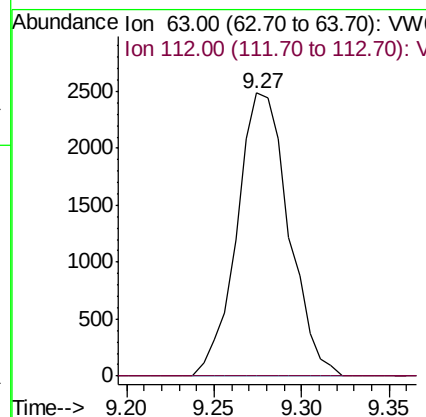
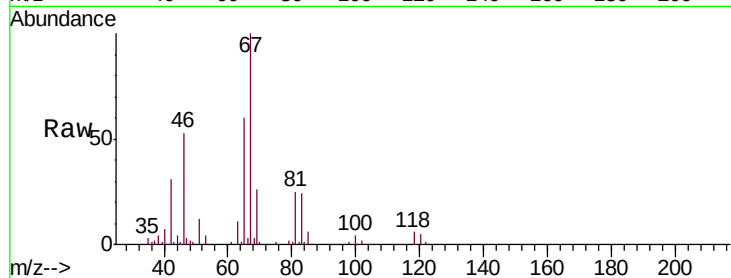




#40
 1,2-Dichloropropane
 Concen: 2.790 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.10 min
 Lab File: VW007166.D
 Acq: 03 Dec 2018 17:39

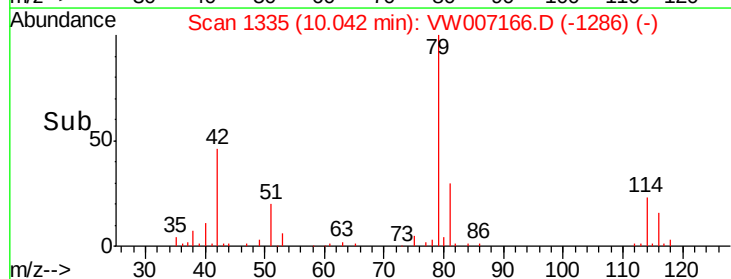
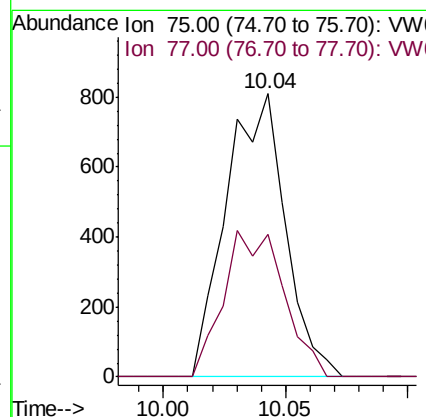
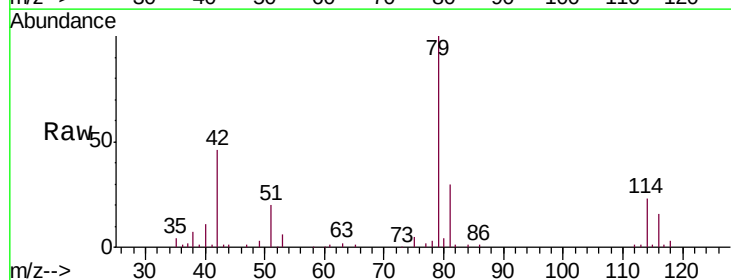
Instrument :
 MSVOA_W
 ClientSampled :
 VIBLK88

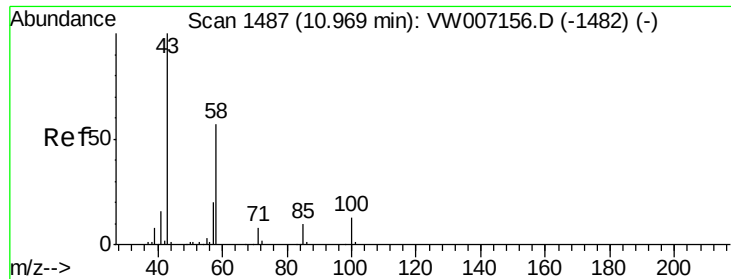
Tgt Ion: 63 Resp: 5121
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#42
 cis-1,3-Dichloropropene
 Concen: 0.469 ug/L
 RT: 10.04 min Scan# 1335
 Delta R.T. -0.03 min
 Lab File: VW007166.D
 Acq: 03 Dec 2018 17:39

Tgt Ion: 75 Resp: 1366
 Ion Ratio Lower Upper
 75 100
 77 50.3 22.3 41.5#





#49
 2-Hexanone
 Concen: 3.146 ug/L
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.04 min
 Lab File: VW007166.D
 Acq: 03 Dec 2018 17:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK88

Tgt Ion: 43 Resp: 2893
 Ion Ratio Lower Upper
 43 100
 58 20.6 44.2 66.2#
 57 25.6 16.3 24.5#
 100 0.0 10.1 15.1#

