

Data File : VW017410.D
Acq On : 20 Nov 2020 12:27
Operator : SY/VA
Sample : L4793-23
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VHBLK01

Quant Time: Nov 21 00:32:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Sat Nov 21 00:30:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	316850	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	292026	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	137451	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	103734	22.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.44%
7) Chloroethane-d5	2.89	69	87076	23.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.48%
10) 1,1-Dichloroethene-d2	4.02	63	139780	17.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.12%
20) 2-Butanone-d5	7.09	46	35889	46.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.18%
24) Chloroform-d	7.65	84	197472	23.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.88%
26) 1,2-Dichloroethane-d4	8.31	65	97245	24.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.72%
29) Benzene-d6	8.27	84	388858	23.62	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.48%
33) 1,2-Dichloropropane-d6	9.27	67	104723	23.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.52%
37) Toluene-d8	10.32	98	362934	23.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.68%
38) trans-1,3-Dichloropropene-	10.58	79	42741	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.52%
39) 2-Hexanone-d5	10.93	63	27485	46.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	83195	25.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	128025	25.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.92%

Target Compounds

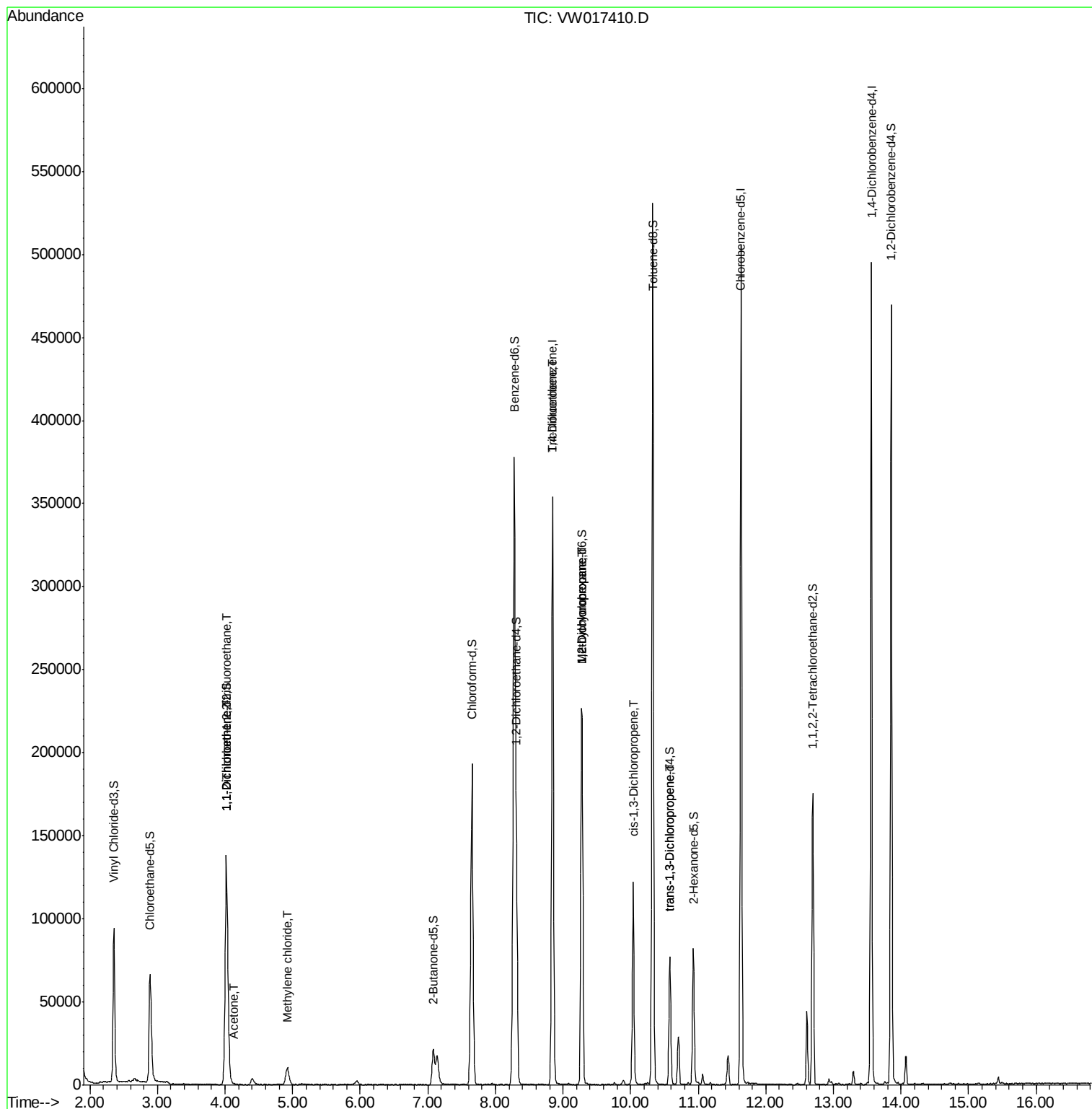
					Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	1438	0.331 ug/L #	16
12) 1,1-Dichloroethene	4.02	96	1330	0.319 ug/L #	1
13) Acetone	4.14	43	758	1.349 ug/L	60
16) Methylene chloride	4.92	84	4921	0.908 ug/L	86
35) Trichloroethene	8.84	95	9120	1.954 ug/L #	2
36) Methylcyclohexane	9.27	83	28231	3.786 ug/L #	22
40) 1,2-Dichloropropane	9.28	63	12384	3.319 ug/L #	86
42) cis-1,3-Dichloropropene	10.04	75	3520	0.608 ug/L #	72
45) trans-1,3-Dichloropropene	10.59	75	2136	0.435 ug/L	84

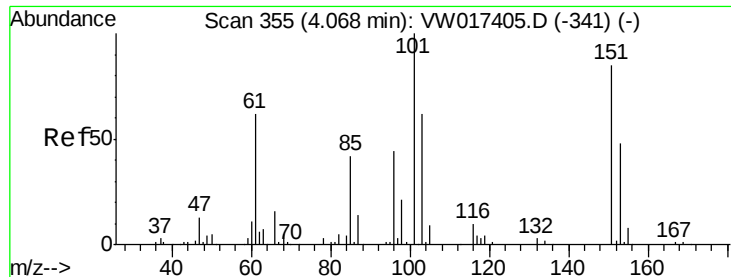
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.331 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW017410.D

Acq: 20 Nov 2020 12:27

Instrument :

MSVOA_W

ClientSampleId :

VHBLK01

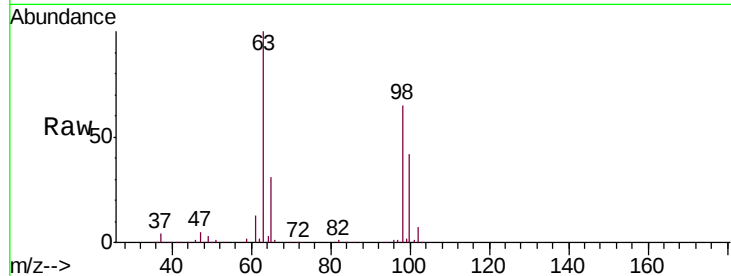
Tgt Ion: 101 Resp: 1438

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

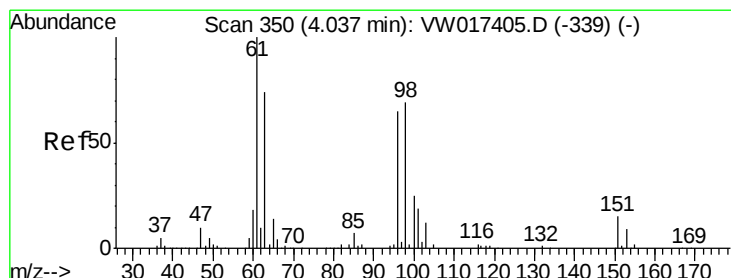
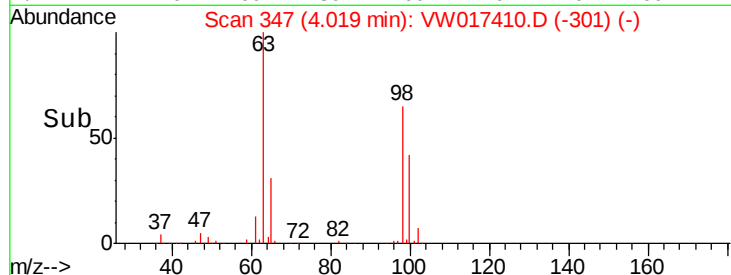
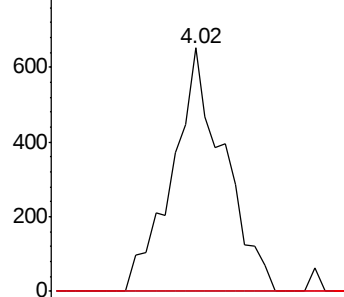
151 0.0 66.3 99.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.319 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.02 min

Lab File: VW017410.D

Acq: 20 Nov 2020 12:27

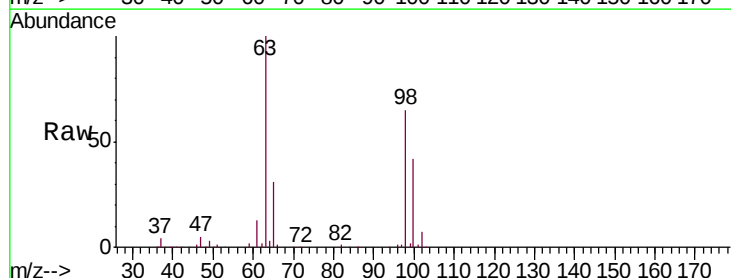
Tgt Ion: 96 Resp: 1330

Ion Ratio Lower Upper

96 100

61 1160.3 104.7 194.4#

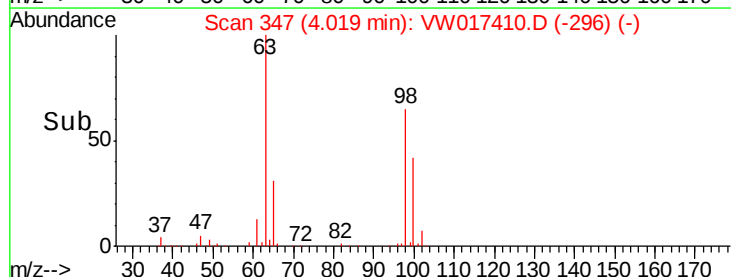
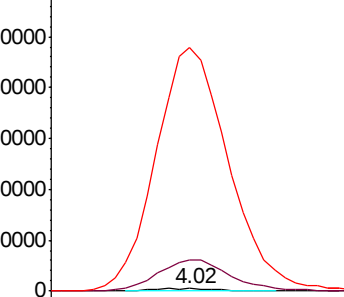
63 9012.4 69.6 129.2#

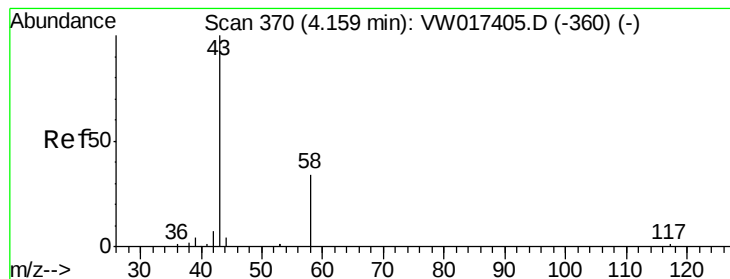


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 1.349 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.02 min

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Instrument :

MSVOA_W

ClientSampleId :

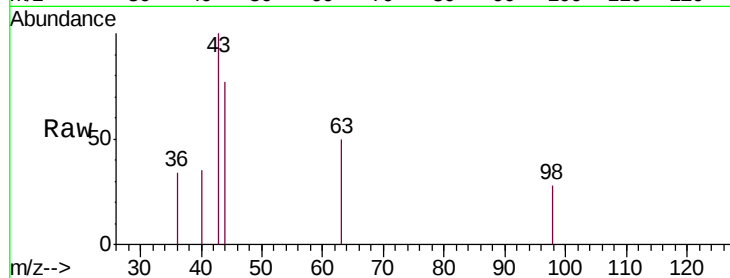
VHBLK01

Tgt Ion: 43 Resp: 758

Ion Ratio Lower Upper

43 100

58 10.7 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

250

200

150

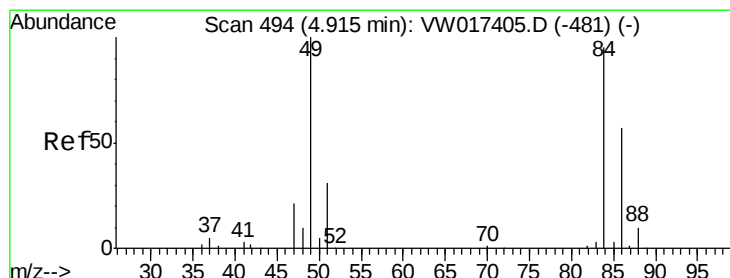
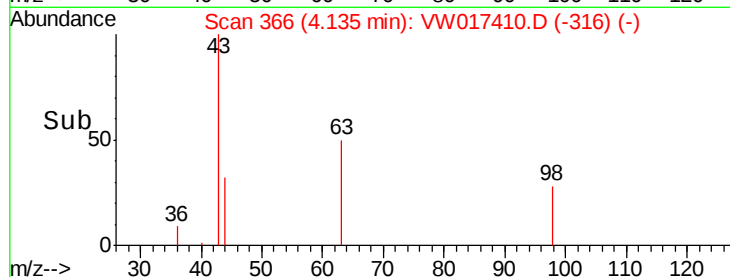
100

50

0

4.10 4.15 4.20

Time-->



#16

Methylene chloride

Concen: 0.908 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW017410.D

Acq: 20 Nov 2020 12:27

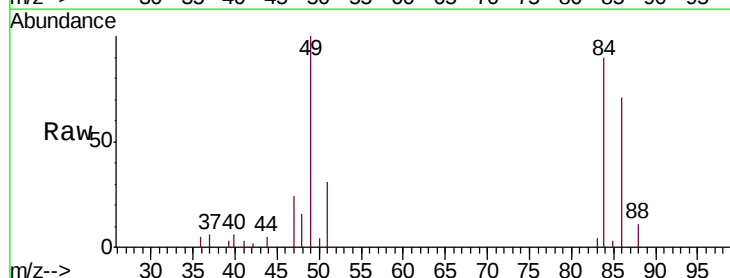
Tgt Ion: 84 Resp: 4921

Ion Ratio Lower Upper

84 100

49 110.7 71.5 132.9

86 79.0 42.8 79.4



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

4000

3000

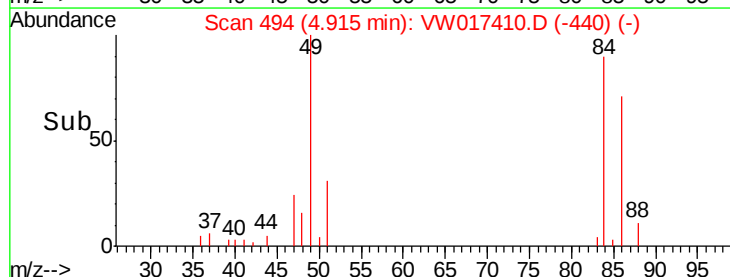
2000

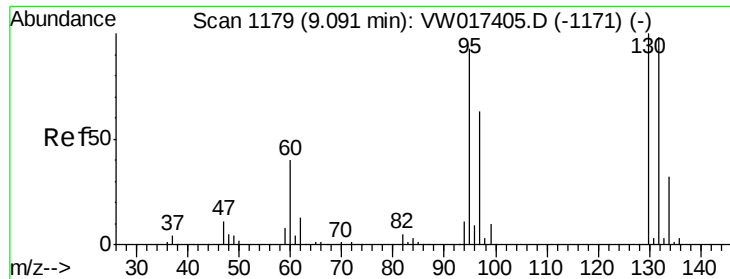
1000

0

4.85 4.90

Time-->





#35

Trichloroethene

Concen: 1.954 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW017410.D

Acq: 20 Nov 2020 12:27

Instrument :

MSVOA_W

ClientSampleId :

VHBLK01

Tgt Ion: 95 Resp: 9120

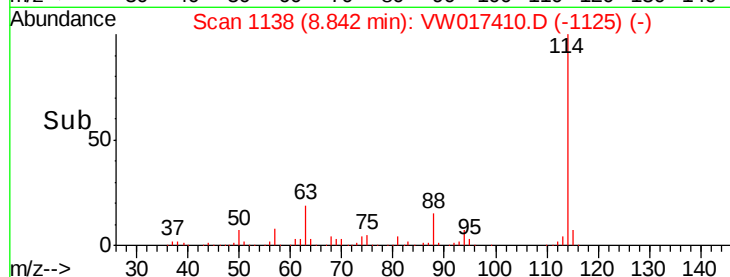
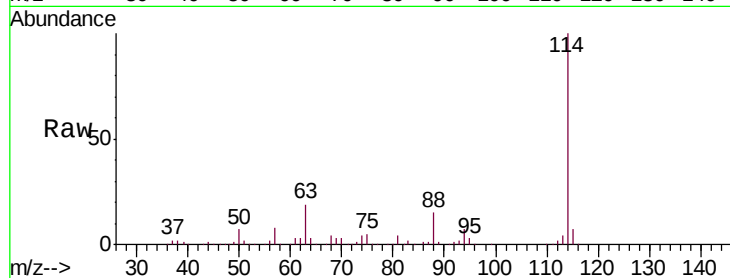
Ion Ratio Lower Upper

95 100

97 0.0 44.7 82.9#

132 0.4 72.7 134.9#

130 0.0 76.1 141.3#

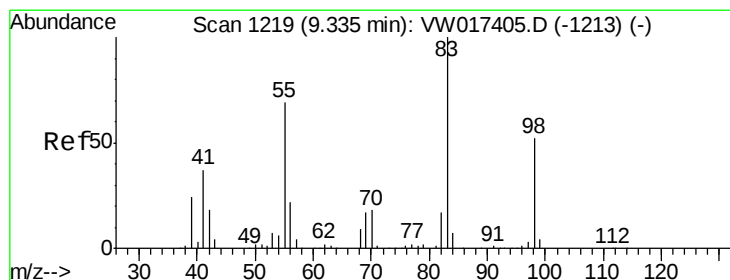
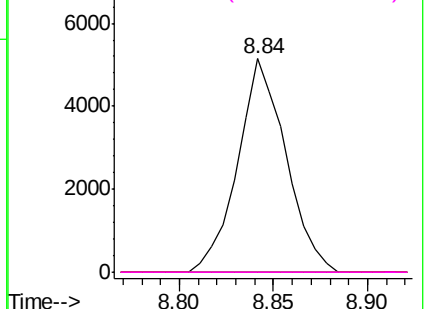


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 3.786 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW017410.D

Acq: 20 Nov 2020 12:27

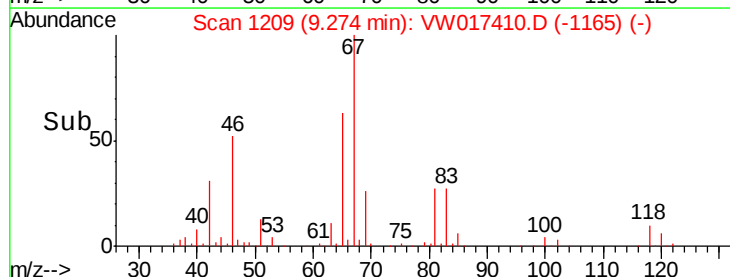
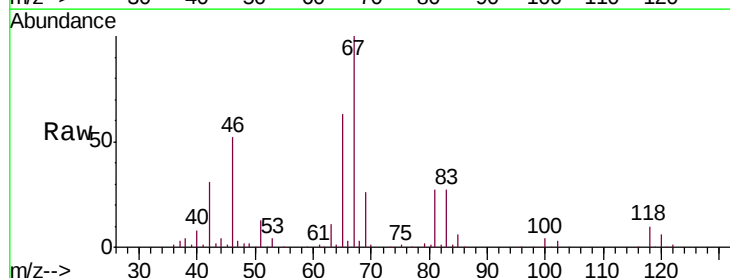
Tgt Ion: 83 Resp: 28231

Ion Ratio Lower Upper

83 100

55 0.4 54.6 81.8#

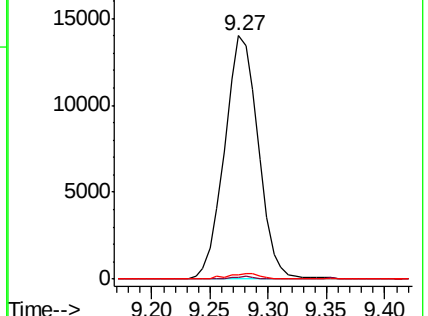
98 2.1 41.5 62.3#

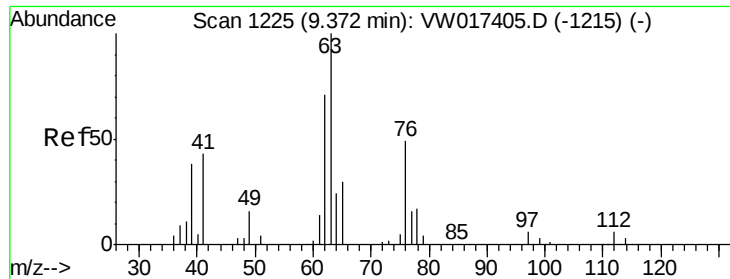


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

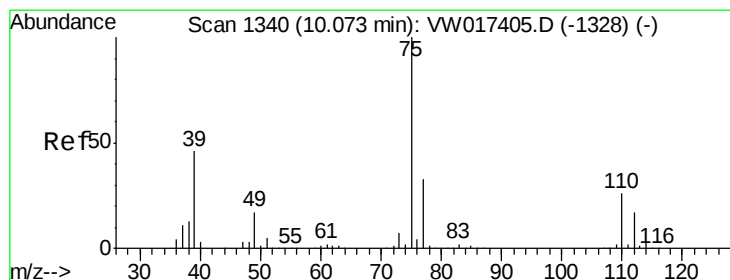
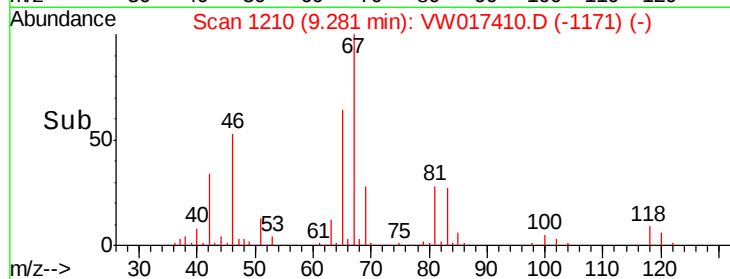
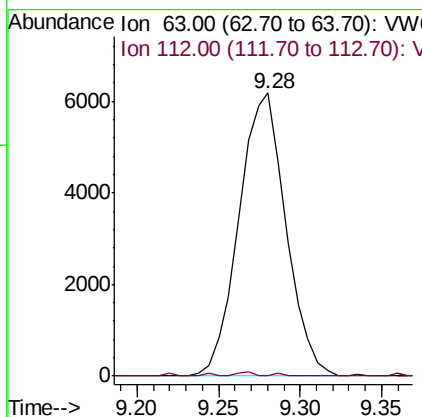
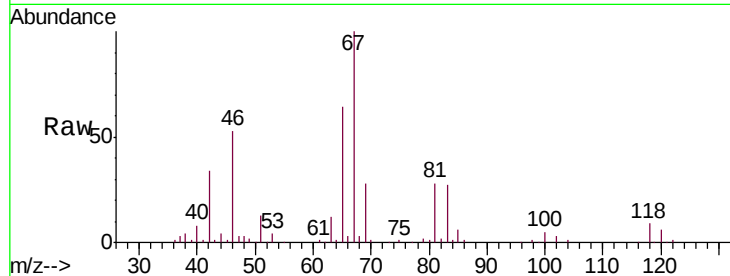




#40
 1,2-Dichloropropane
 Concen: 3.319 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.09 min
 Lab File: VW017410.D
 Acq: 20 Nov 2020 12:27

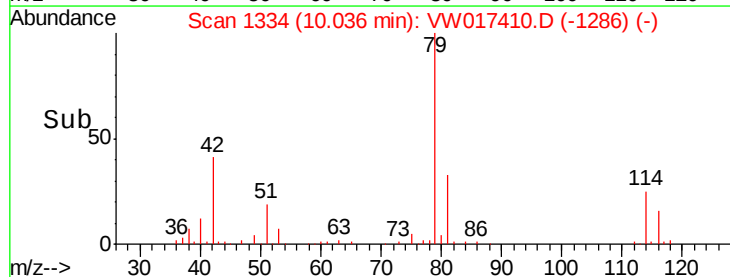
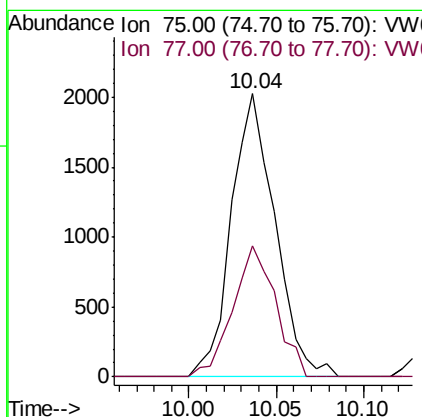
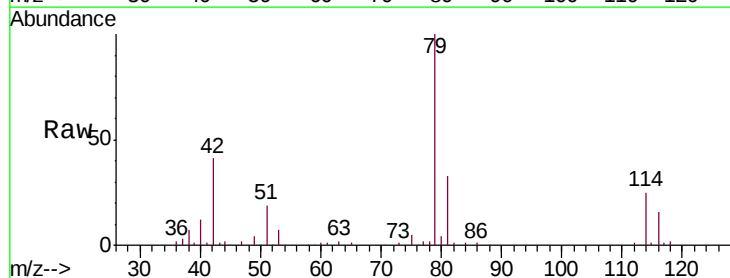
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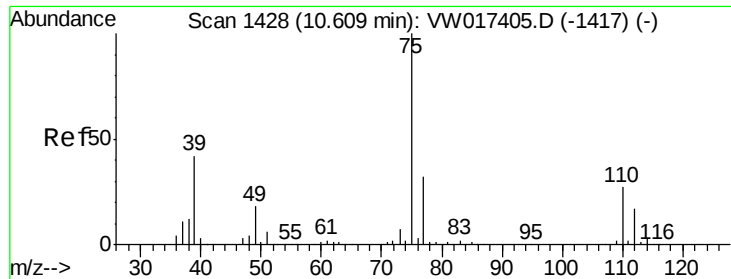
Tgt Ion: 63 Resp: 12384
 Ion Ratio Lower Upper
 63 100
 112 0.5 4.2 6.4#



#42
 cis-1,3-Dichloropropene
 Concen: 0.608 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017410.D
 Acq: 20 Nov 2020 12:27

Tgt Ion: 75 Resp: 3520
 Ion Ratio Lower Upper
 75 100
 77 46.3 21.8 40.4#





#45

trans-1,3-Dichloropropene

Concen: 0.435 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017410.D

Acq: 20 Nov 2020 12:27

Instrument :

MSVOA_W

ClientSampleId :

VHBLK01

Tgt Ion: 75 Resp: 2136

Ion Ratio Lower Upper

75 100

77 40.3 22.0 40.8

