

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111320\
 Data File : VW017206.D
 Acq On : 13 Nov 2020 12:42
 Operator : SY/VA
 Sample : L4711-04
 Misc : 5.49G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AZ8

Quant Time: Nov 16 14:15:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 11:48:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	437097	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	369049	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	143389	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	102262	18.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.28%
7) Chloroethane-d5	2.89	69	87349	20.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.36%
10) 1,1-Dichloroethene-d2	4.02	63	151455	15.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.52%
20) 2-Butanone-d5	7.09	46	38666	31.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.82%
24) Chloroform-d	7.65	84	215058	21.08	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.32%
26) 1,2-Dichloroethane-d4	8.31	65	110240	21.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.92%
29) Benzene-d6	8.27	84	424153	22.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.28%
33) 1,2-Dichloropropane-d6	9.28	67	115078	22.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.56%
37) Toluene-d8	10.33	98	390741	22.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.20%
38) trans-1,3-Dichloropropene-	10.58	79	45238	19.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.20%
39) 2-Hexanone-d5	10.93	63	31125	34.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	82889	18.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	73.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	109787	21.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.92%

Target Compounds

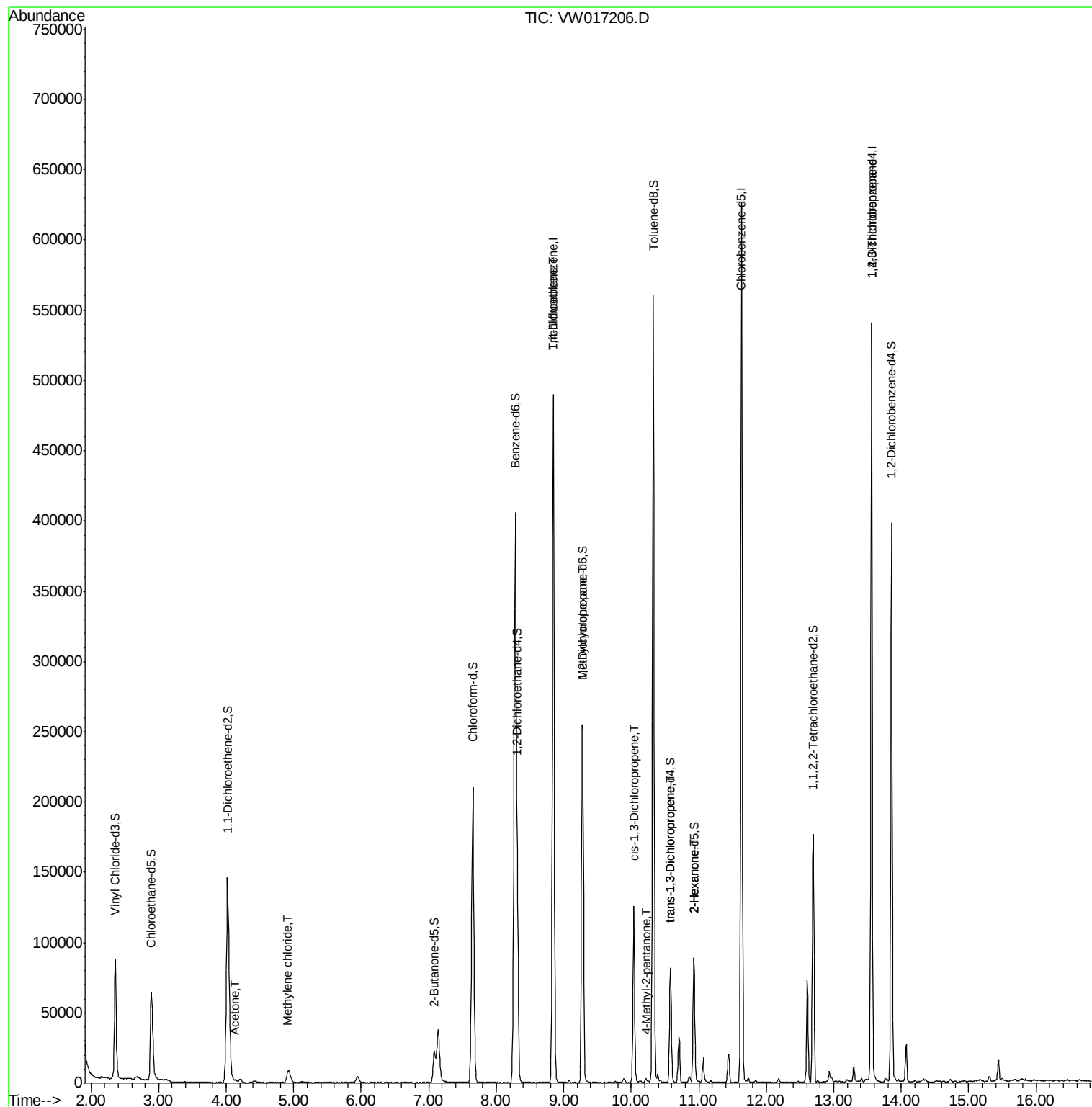
					Ovalue
13) Acetone	4.14	43	2182	2.647 ug/L	68
16) Methylene chloride	4.91	84	4763	0.808 ug/L	98
35) Trichloroethene	8.85	95	12947	2.385 ug/L #	2
36) Methylcyclohexane	9.27	83	31075	3.558 ug/L #	22
42) cis-1,3-Dichloropropene	10.04	75	3669	0.511 ug/L #	48
43) 4-Methyl-2-pentanone	10.22	43	2096	0.750 ug/L	94
45) trans-1,3-Dichloropropene	10.58	75	2393	0.388 ug/L	95
49) 2-Hexanone	10.93	43	3857	2.289 ug/L #	60
59) 1,2,3-Trichloropropane	13.56	75	16324	5.033 ug/L	93

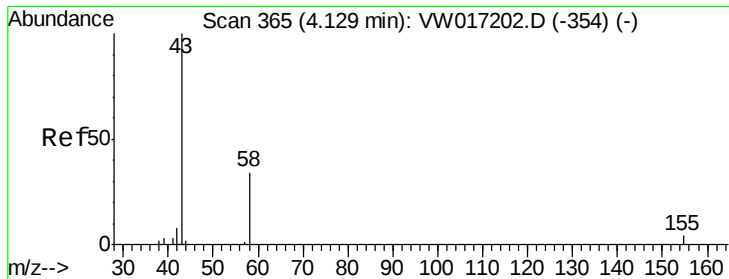
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 13 Nov 2020 12:42
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Quant Title : VOC Analysis
QLast Update : Mon Nov 16 11:48:24 2020
Response via : Initial Calibration





#13

Acetone

Concen: 2.647 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017206.D

Acq: 13 Nov 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

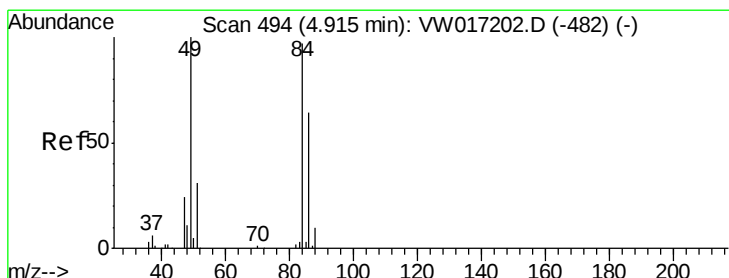
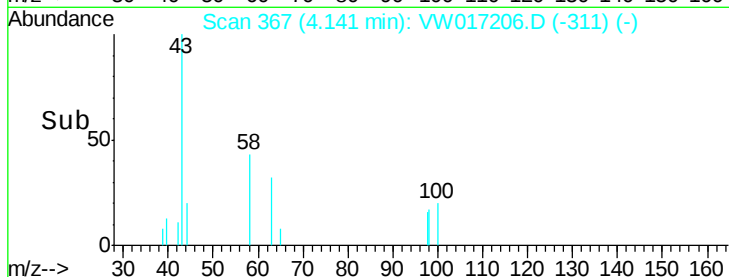
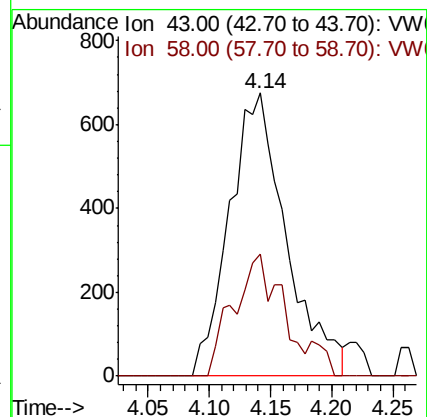
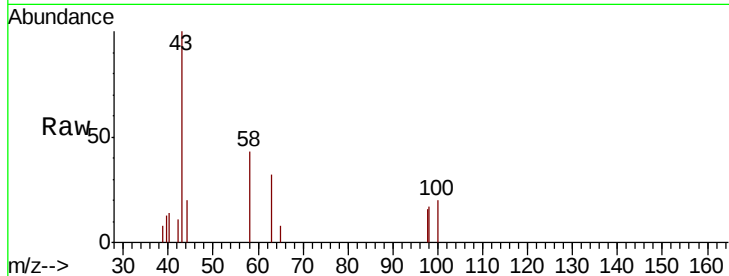
C0AZ8

Tot Ion: 43 Resp: 2182

Ion Ratio Lower Upper

43 100

58 15.9 0.0 69.2



#16

Methylene chloride

Concen: 0.808 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW017206.D

Acq: 13 Nov 2020 12:42

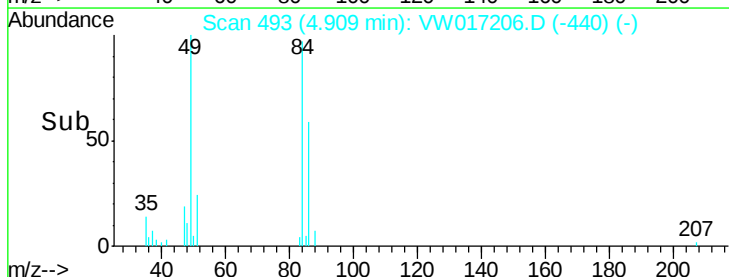
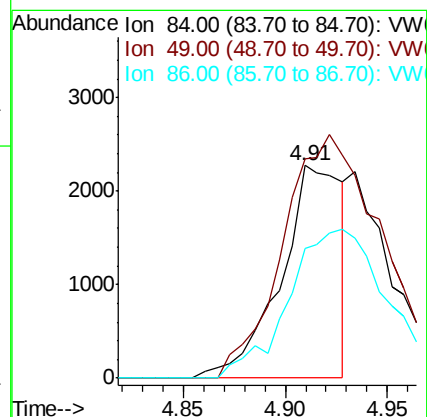
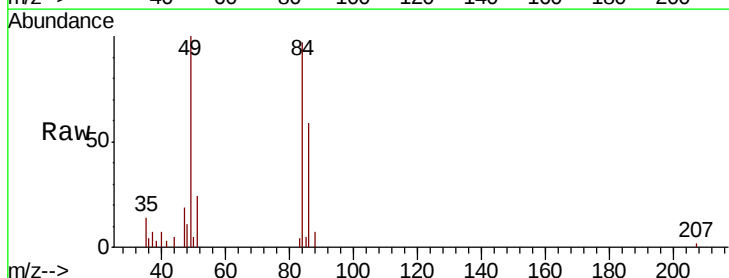
Tgt Ion: 84 Resp: 4763

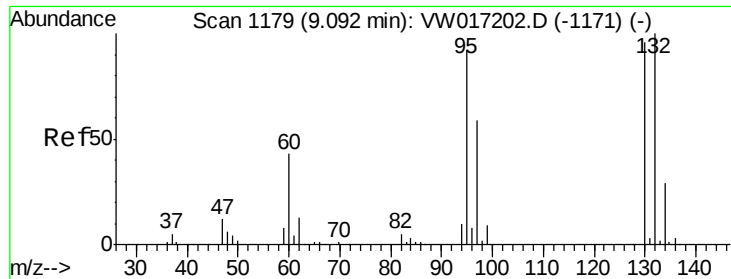
Ion Ratio Lower Upper

84 100

49 103.4 72.3 134.3

86 61.0 45.1 83.7





#35

Trichloroethene

Concen: 2.385 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017206.D

Acq: 13 Nov 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

C0AZ8

Tot Ion: 95 Resp: 12947

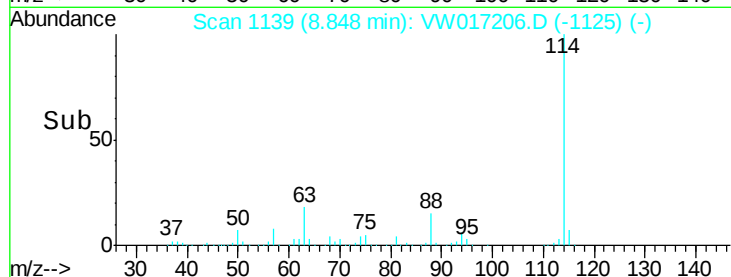
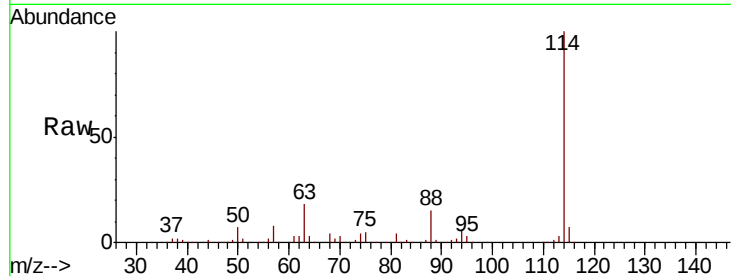
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.3 73.7 136.9#

130 0.0 77.1 143.1#

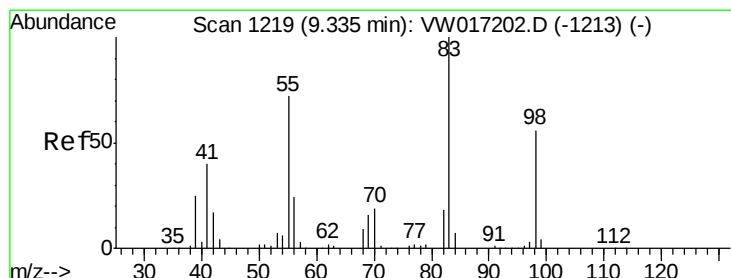
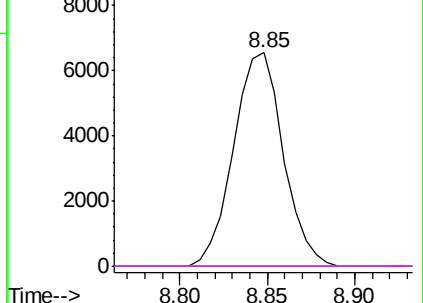


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 3.558 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW017206.D

Acq: 13 Nov 2020 12:42

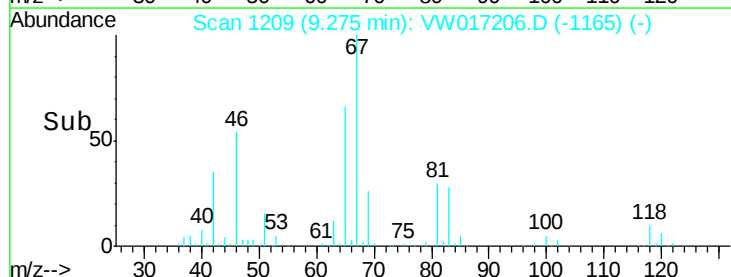
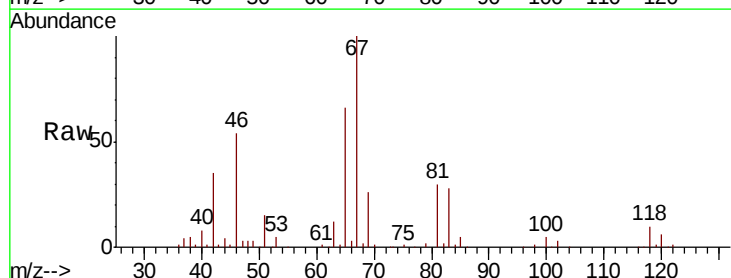
Tgt Ion: 83 Resp: 31075

Ion Ratio Lower Upper

83 100

55 0.8 54.4 81.6#

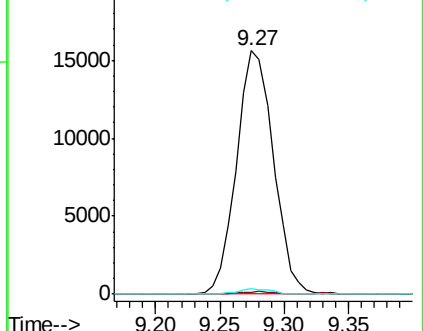
98 2.0 40.5 60.7#

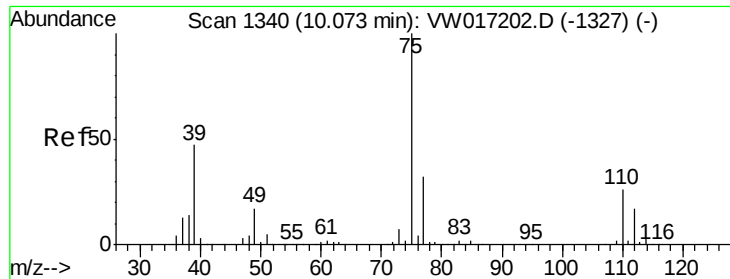


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.511 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017206.D

Acq: 13 Nov 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

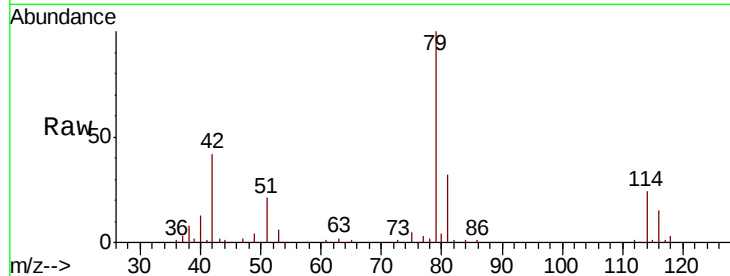
C0AZ8

Tot Ion: 75 Resp: 3669

Ion Ratio Lower Upper

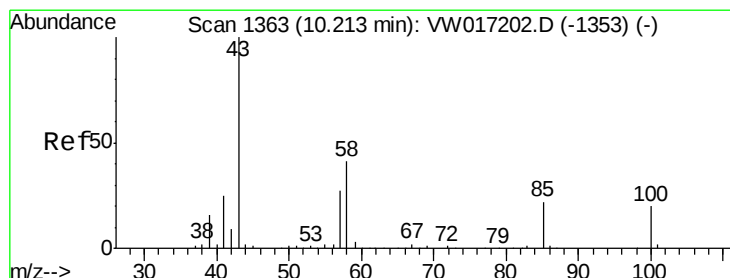
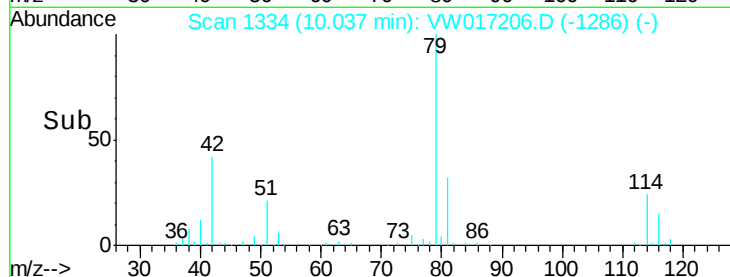
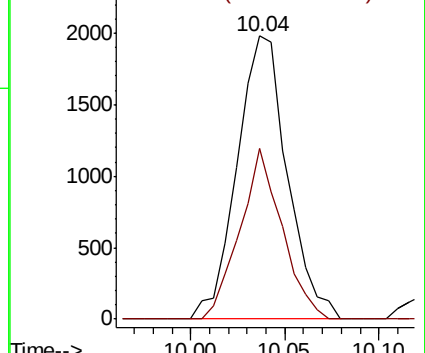
75 100

77 60.3 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 0.750 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW017206.D

Acq: 13 Nov 2020 12:42

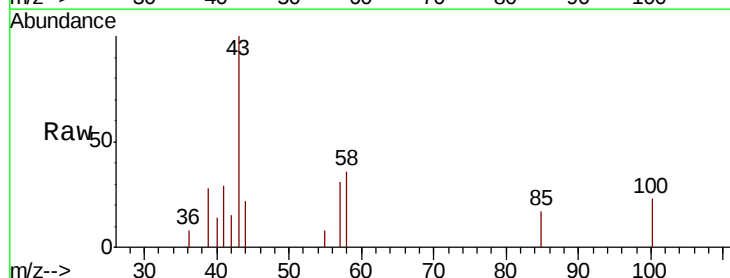
Tgt Ion: 43 Resp: 2096

Ion Ratio Lower Upper

43 100

58 38.2 35.0 52.6

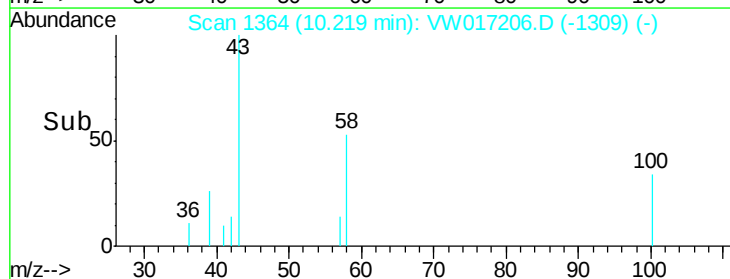
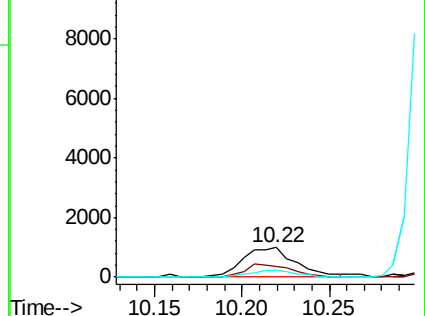
100 19.9 16.6 24.8

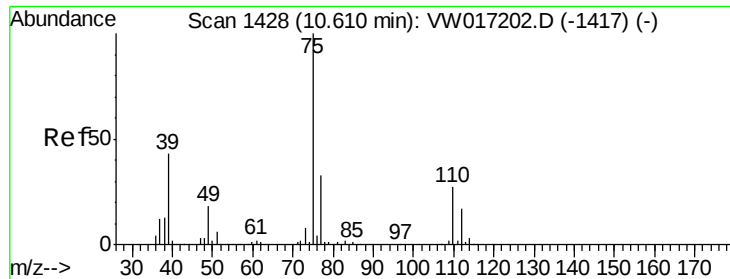


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.388 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017206.D

Acq: 13 Nov 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

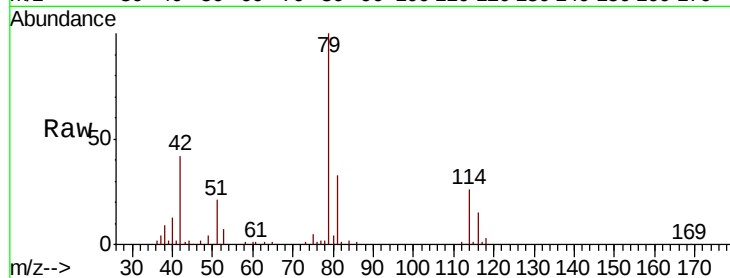
C0AZ8

Tot Ion: 75 Resp: 2393

Ion Ratio Lower Upper

75 100

77 34.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.58

1500

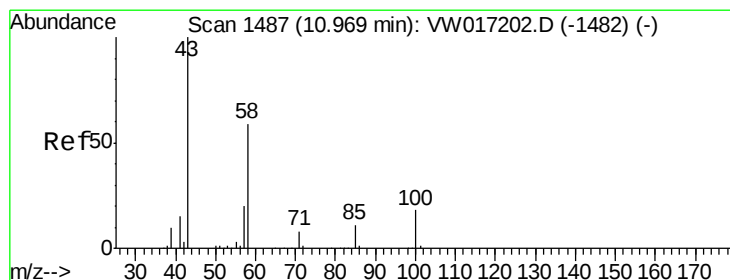
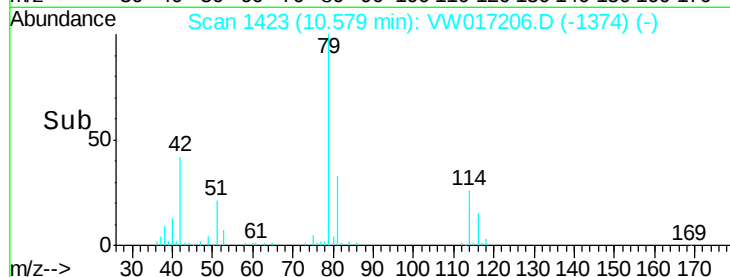
1000

500

0

10.55 10.60

Time-->



#49

2-Hexanone

Concen: 2.289 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW017206.D

Acq: 13 Nov 2020 12:42

Tgt Ion: 43 Resp: 3857

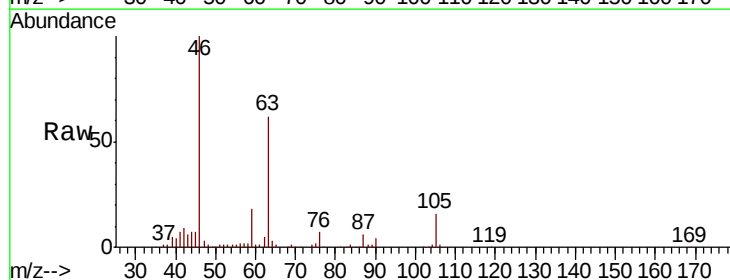
Ion Ratio Lower Upper

43 100

58 25.2 50.6 75.8#

57 29.8 17.8 26.6#

100 0.0 13.9 20.9#



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

3000

2500

2000

1500

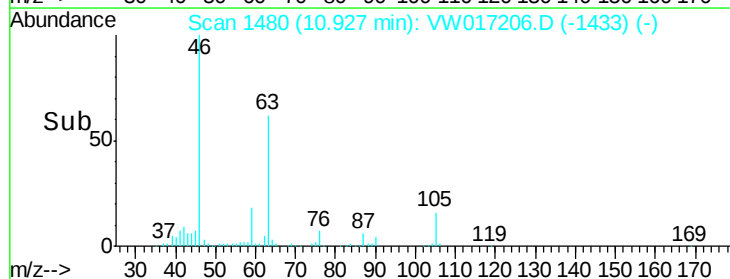
1000

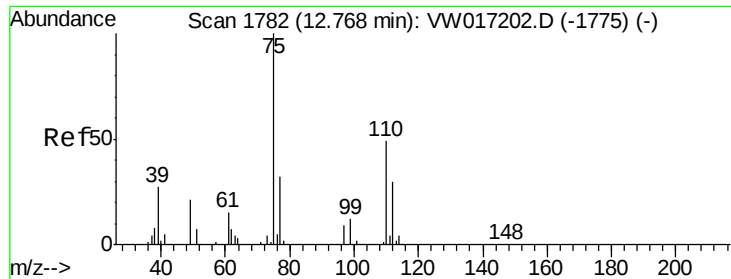
500

0

10.85 10.90 10.95 11.00

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.033 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017206.D

Acq: 13 Nov 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

C0AZ8

Tot Ion: 75 Resp: 16324

Ion Ratio Lower Upper

75 100

77 37.1 26.4 39.6

