

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111320\
 Data File : VW017217.D
 Acq On : 13 Nov 2020 17:00
 Operator : SY/VA
 Sample : L4710-23
 Misc : 5.23G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AZ0

Quant Time: Nov 16 14:16:56 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	8.85	114	431019	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	356082	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	134856	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	117412	21.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.52%
7) Chloroethane-d5	2.89	69	98281	23.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.96%
10) 1,1-Dichloroethene-d2	4.02	63	164075	16.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.60%
20) 2-Butanone-d5	7.08	46	32334	26.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	53.26%
24) Chloroform-d	7.65	84	232512	23.11	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.44%
26) 1,2-Dichloroethane-d4	8.31	65	111326	22.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.00%
29) Benzene-d6	8.27	84	455713	25.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.52%
33) 1,2-Dichloropropane-d6	9.28	67	123103	24.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.16%
37) Toluene-d8	10.32	98	426885	24.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.88%
38) trans-1,3-Dichloropropene-	10.58	79	32827	14.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	58.08%
39) 2-Hexanone-d5	10.93	63	19931	22.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	45.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	82210	18.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	106528	22.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.68%

Target Compounds

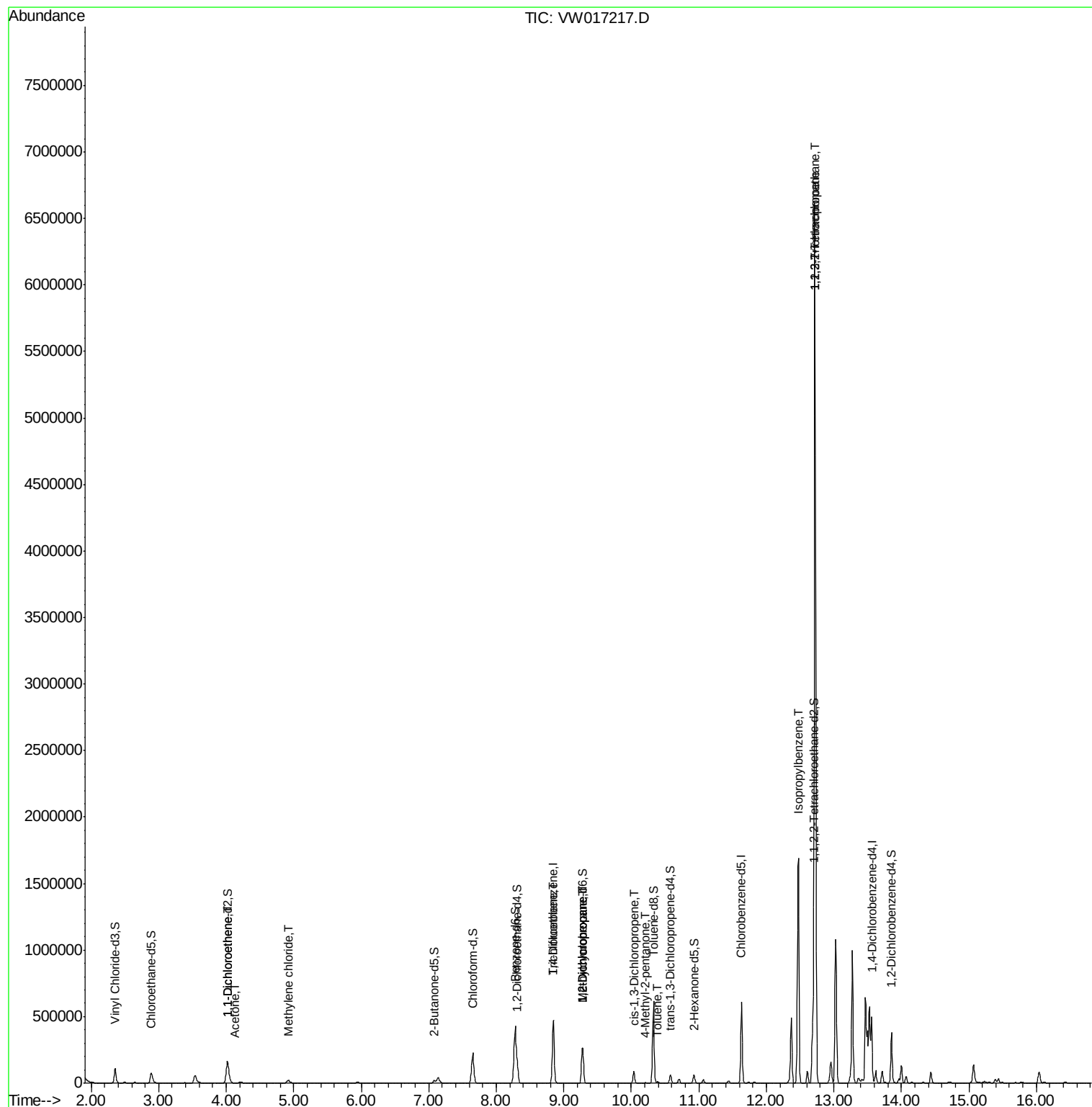
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.03	96	1483	0.277	ug/L #	1
13) Acetone	4.13	43	4702	5.784	ug/L	99
16) Methylene chloride	4.92	84	17634	3.035	ug/L	98
35) Trichloroethene	8.84	95	12758	2.436	ug/L #	2
36) Methylcyclohexane	9.28	83	32989	3.914	ug/L #	22
40) 1,2-Dichloropropane	9.27	63	14498	3.317	ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	2421	0.350	ug/L #	61
43) 4-Methyl-2-pentanone	10.21	43	2222	0.824	ug/L	95
44) Toluene	10.39	91	7630	0.371	ug/L	82
57) Isopropylbenzene	12.47	105	75688	3.267	ug/L #	1
58) 1,1,2,2-Tetrachloroethane	12.72	83	7982	1.834	ug/L #	37
59) 1,2,3-Trichloropropane	12.72	75	6985	2.232	ug/L #	1

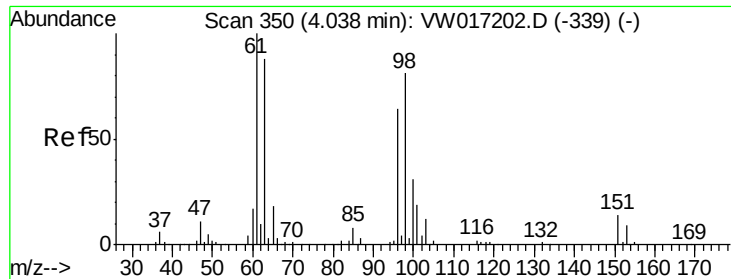
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 16 11:48:24 2020
Response via : Initial Calibration

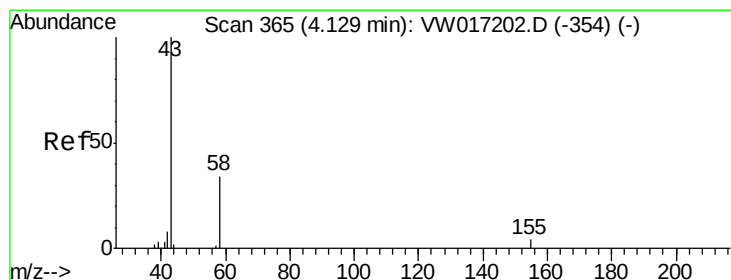
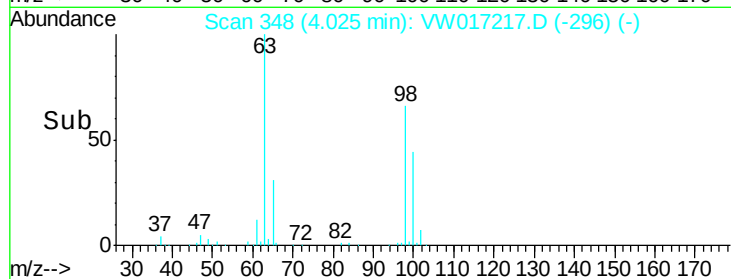
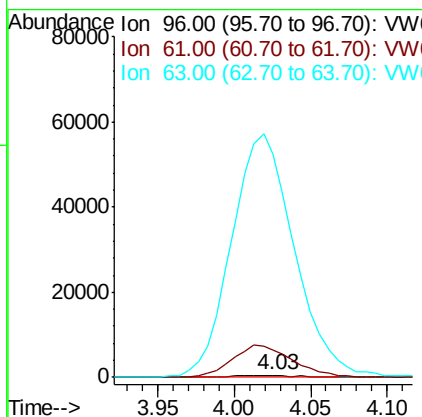
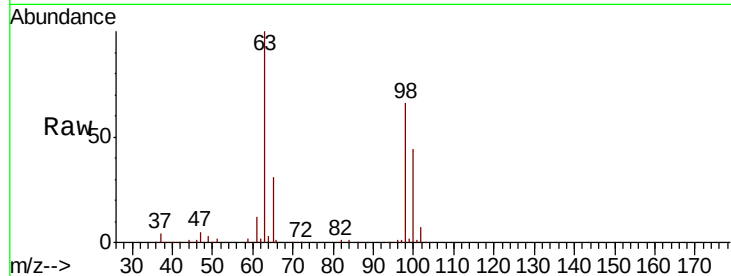




#12
 1,1-Dichloroethene
 Concen: 0.277 ug/L
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW017217.D
 Acq: 13 Nov 2020 17:00

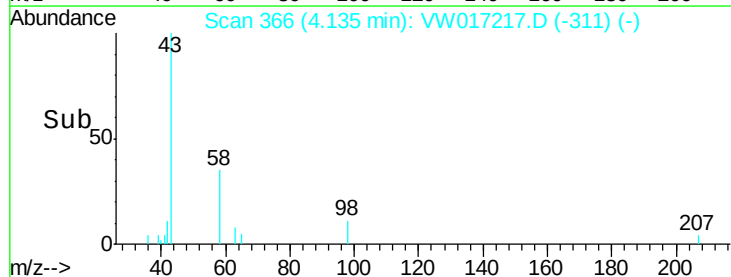
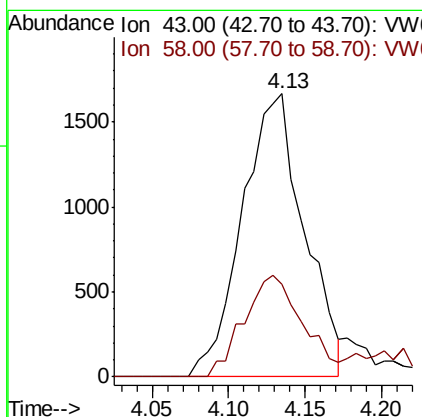
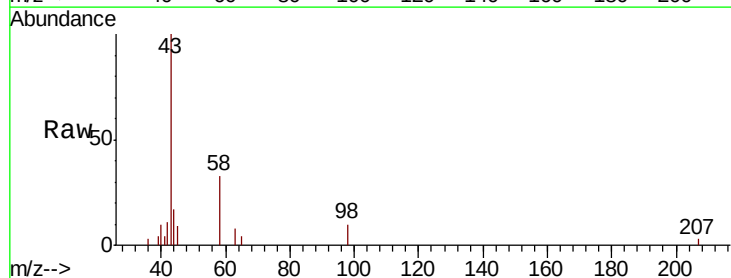
Instrument :
 MSVOA_W
 ClientSampleId :
 C0AZ0

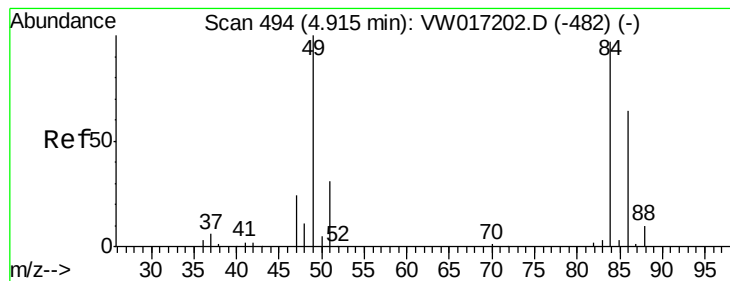
Tot Ion: 96 Resp: 1483
 Ion Ratio Lower Upper
 96 100
 61 1203.9 103.8 192.8#
 63 9666.2 84.4 156.7#



#13
 Acetone
 Concen: 5.784 ug/L
 RT: 4.13 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW017217.D
 Acq: 13 Nov 2020 17:00

Tgt Ion: 43 Resp: 4702
 Ion Ratio Lower Upper
 43 100
 58 34.1 0.0 69.2





#16

Methvlene chloride

Concen: 3.035 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW017217.D

Acq: 13 Nov 2020 17:00

Instrument :

MSVOA_W

ClientSampleId :

C0AZ0

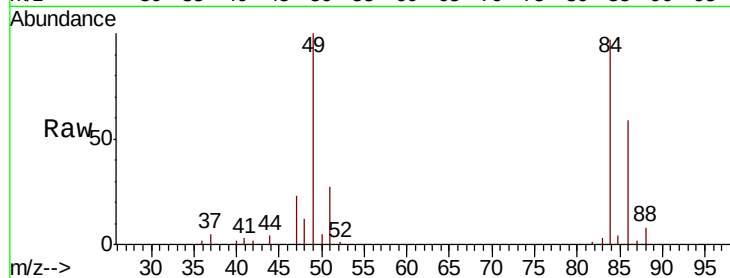
Tot Ion: 84 Resp: 17634

Ion Ratio Lower Upper

84 100

49 103.3 72.3 134.3

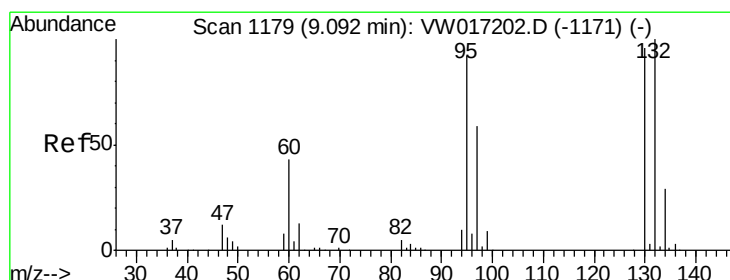
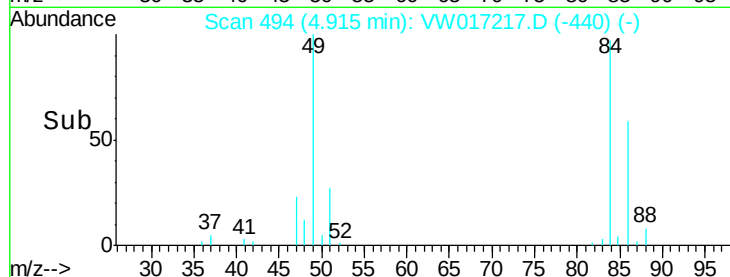
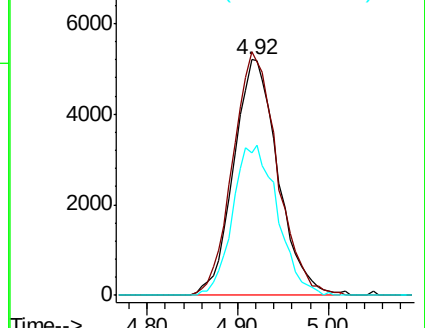
86 60.5 45.1 83.7



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



#35

Trichloroethene

Concen: 2.436 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW017217.D

Acq: 13 Nov 2020 17:00

Tgt Ion: 95 Resp: 12758

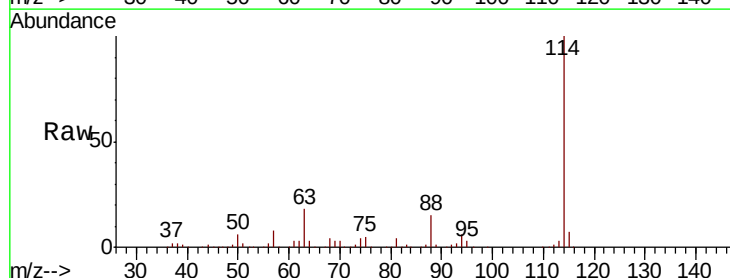
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.0 73.7 136.9#

130 0.0 77.1 143.1#

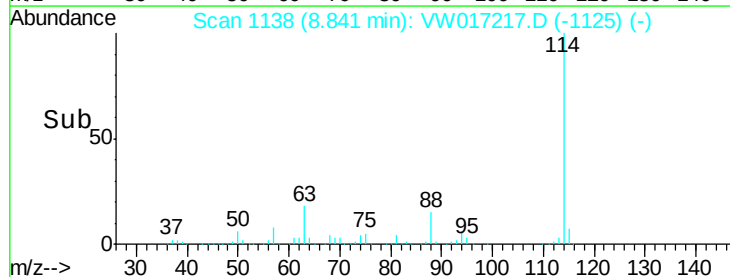
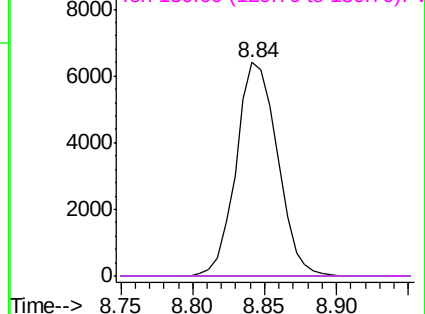


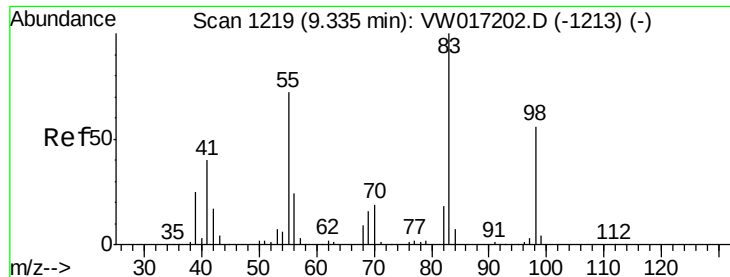
Abundance Ion 95.00 (94.70 to 95.70): VW

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

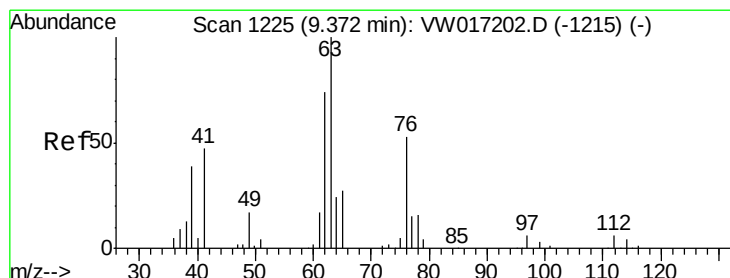
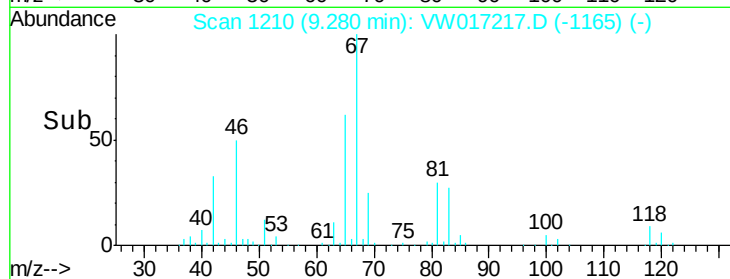
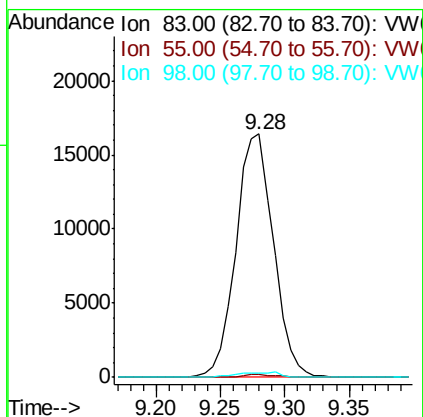
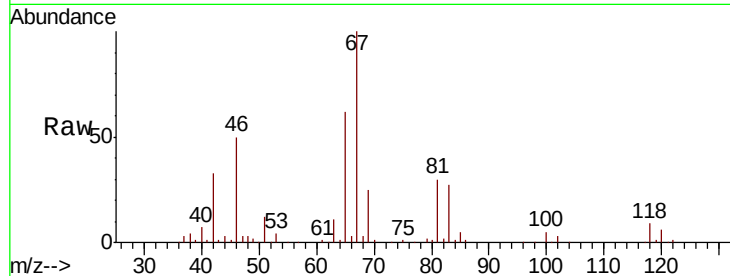




#36
Methylcyclohexane
Concen: 3.914 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.06 min
Lab File: VW017217.D
Acq: 13 Nov 2020 17:00

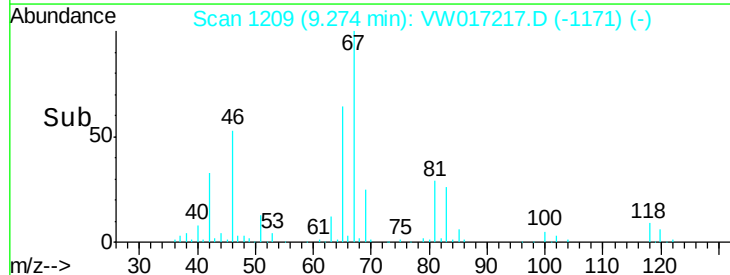
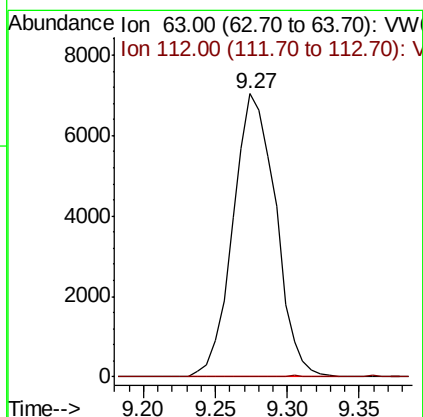
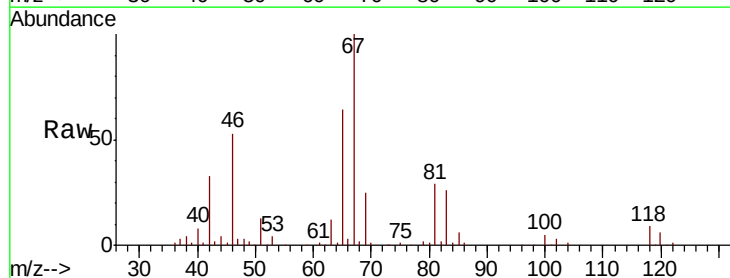
Instrument :
MSVOA_W
ClientSampled :
C0AZ0

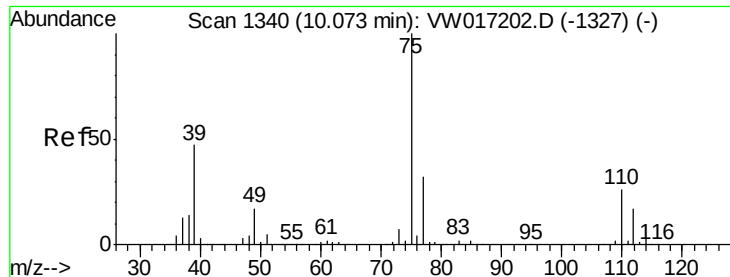
Tot Ion: 83 Resp: 32989
Ion Ratio Lower Upper
83 100
55 0.6 54.4 81.6#
98 1.7 40.5 60.7#



#40
1,2-Dichloropropane
Concen: 3.317 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.10 min
Lab File: VW017217.D
Acq: 13 Nov 2020 17:00

Tgt Ion: 63 Resp: 14498
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.2#





#42

cis-1,3-Dichloropropene

Concen: 0.350 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017217.D

Acq: 13 Nov 2020 17:00

Instrument :

MSVOA_W

ClientSampleId :

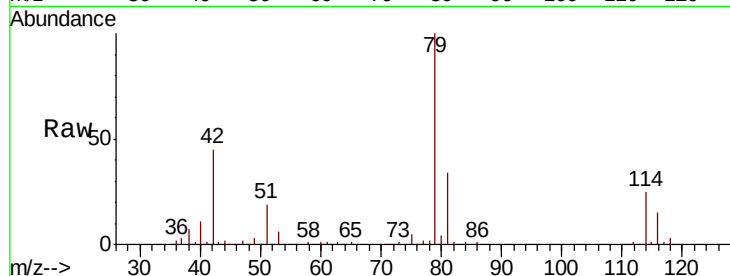
C0AZ0

Tot Ion: 75 Resp: 2421

Ion Ratio Lower Upper

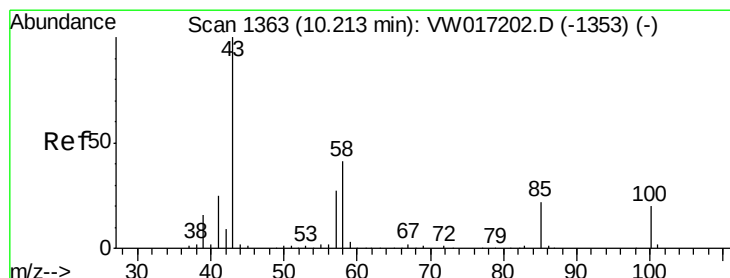
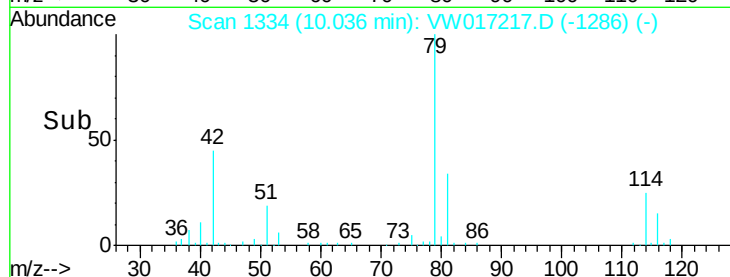
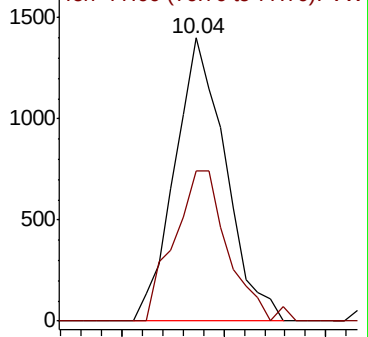
75 100

77 53.0 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: 0.824 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017217.D

Acq: 13 Nov 2020 17:00

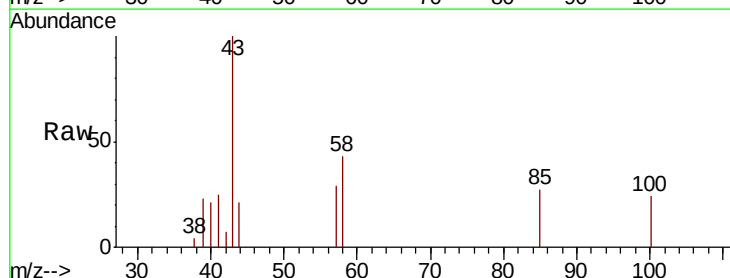
Tgt Ion: 43 Resp: 2222

Ion Ratio Lower Upper

43 100

58 39.2 35.0 52.6

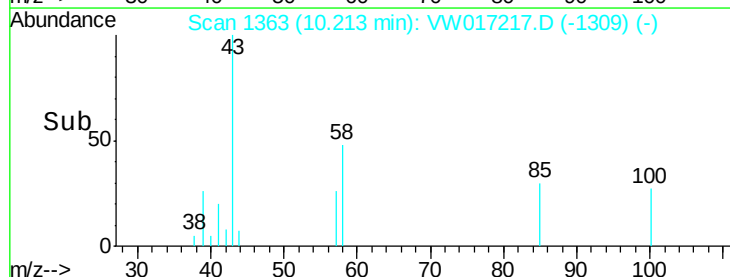
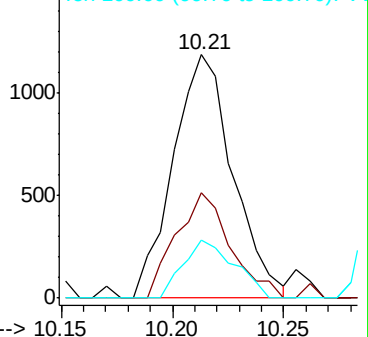
100 20.3 16.6 24.8

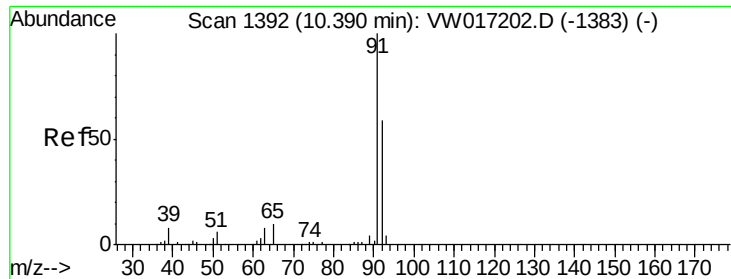


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 0.371 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017217.D

Acq: 13 Nov 2020 17:00

Instrument :

MSVOA_W

ClientSampleId :

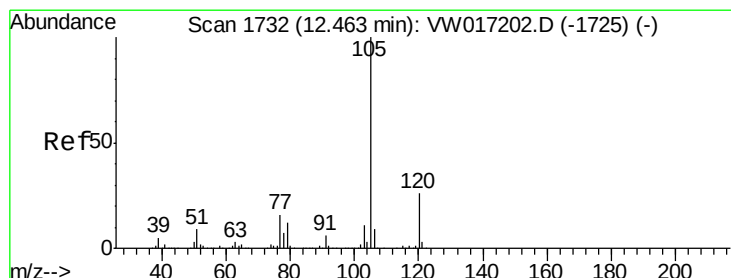
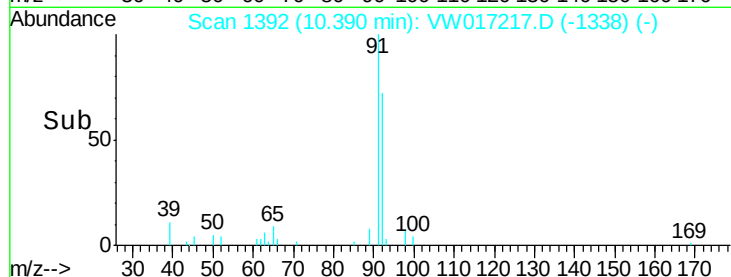
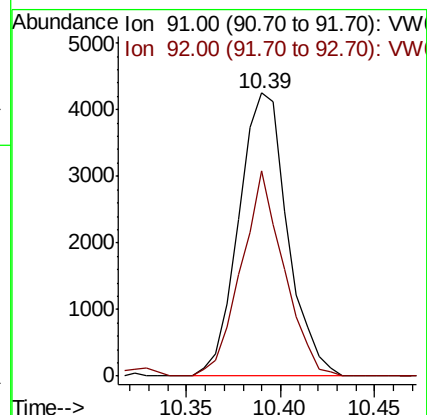
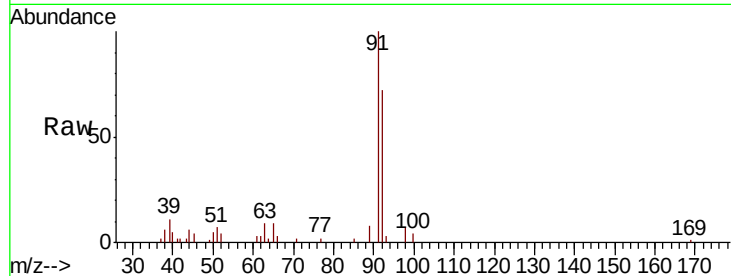
C0AZ0

Tot Ion: 91 Resp: 7630

Ion Ratio Lower Upper

91 100

92 72.5 41.4 76.8



#57

Isopropylbenzene

Concen: 3.267 ug/L

RT: 12.47 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW017217.D

Acq: 13 Nov 2020 17:00

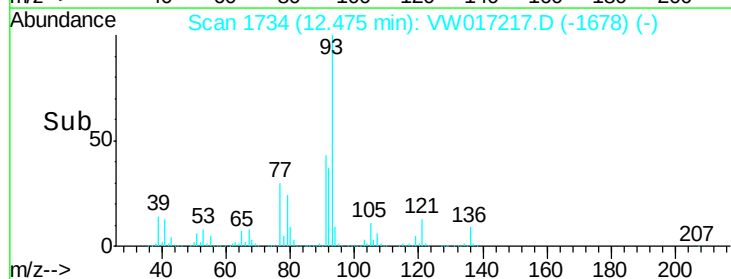
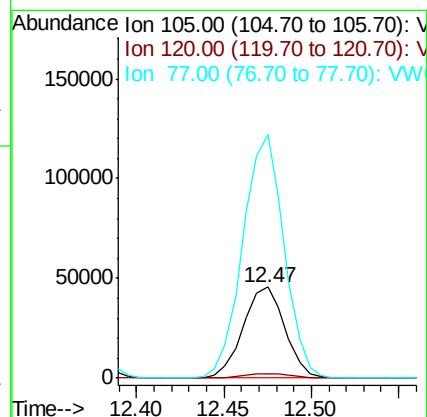
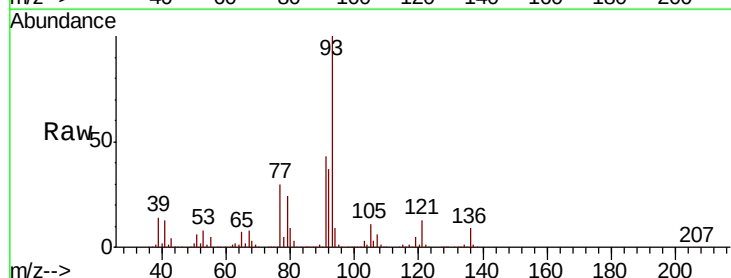
Tgt Ion: 105 Resp: 75688

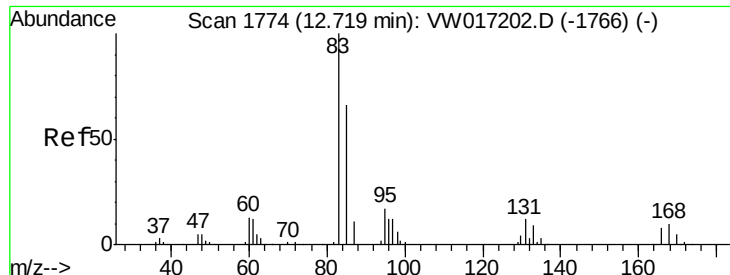
Ion Ratio Lower Upper

105 100

120 5.9 21.8 32.6#

77 263.9 11.4 17.0#





#58

1,1,2,2-Tetrachloroethane

Concen: 1.834 ug/L

RT: 12.72 min Scan# 1775

Delta R.T. 0.01 min

Lab File: VW017217.D

Acq: 13 Nov 2020 17:00

Instrument :

MSVOA_W

ClientSampled :

C0AZ0

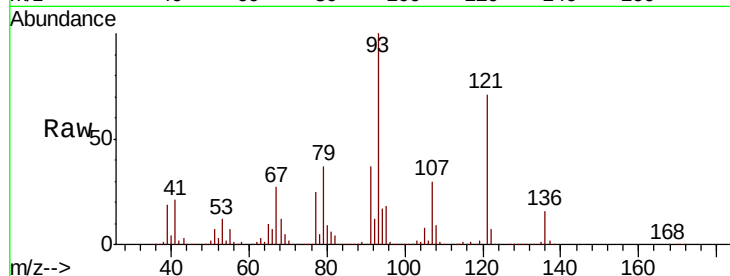
Tot Ion: 83 Resp: 7982

Ion Ratio Lower Upper

83 100

85 8.1 44.9 83.5#

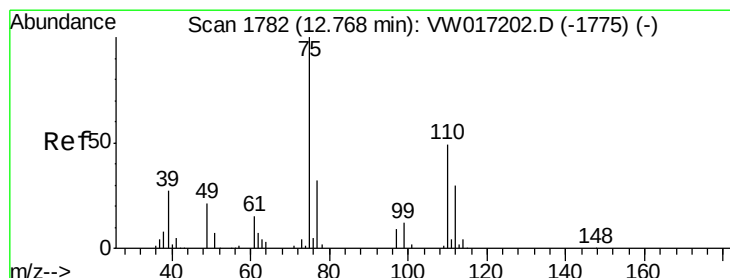
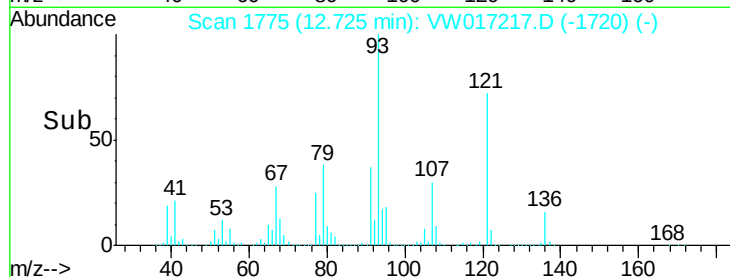
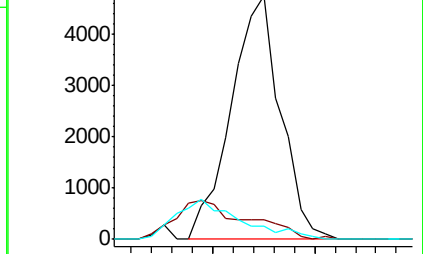
131 5.4 8.8 13.2#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW



#59

1,2,3-Trichloropropane

Concen: 2.232 ug/L

RT: 12.72 min Scan# 1775

Delta R.T. -0.04 min

Lab File: VW017217.D

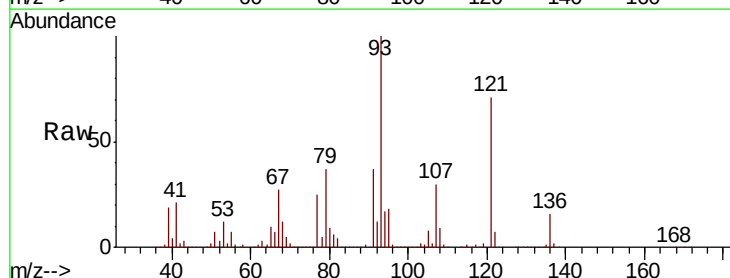
Acq: 13 Nov 2020 17:00

Tgt Ion: 75 Resp: 6985

Ion Ratio Lower Upper

75 100

77 7493.7 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

