

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111320\
 Data File : VW017210.D
 Acq On : 13 Nov 2020 14:15
 Operator : SY/VA
 Sample : L4710-06
 Misc : 5.40G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AX2

Quant Time: Nov 16 14:16:02 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	432502	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	348776	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	116736	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	126922	23.30	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.20%
7) Chloroethane-d5	2.89	69	113532	27.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.16%
10) 1,1-Dichloroethene-d2	4.01	63	179303	18.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.60%
20) 2-Butanone-d5	7.09	46	30700	25.20	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	50.40%
24) Chloroform-d	7.65	84	255739	25.33	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.32%
26) 1,2-Dichloroethane-d4	8.31	65	122537	24.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.64%
29) Benzene-d6	8.27	84	499502	28.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.48%
33) 1,2-Dichloropropane-d6	9.27	67	132432	26.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.84%
37) Toluene-d8	10.32	98	462328	27.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.44%
38) trans-1,3-Dichloropropene-	10.58	79	46154	20.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.36%
39) 2-Hexanone-d5	10.93	63	25078	29.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	85576	20.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	105420	25.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.52%

Target Compounds

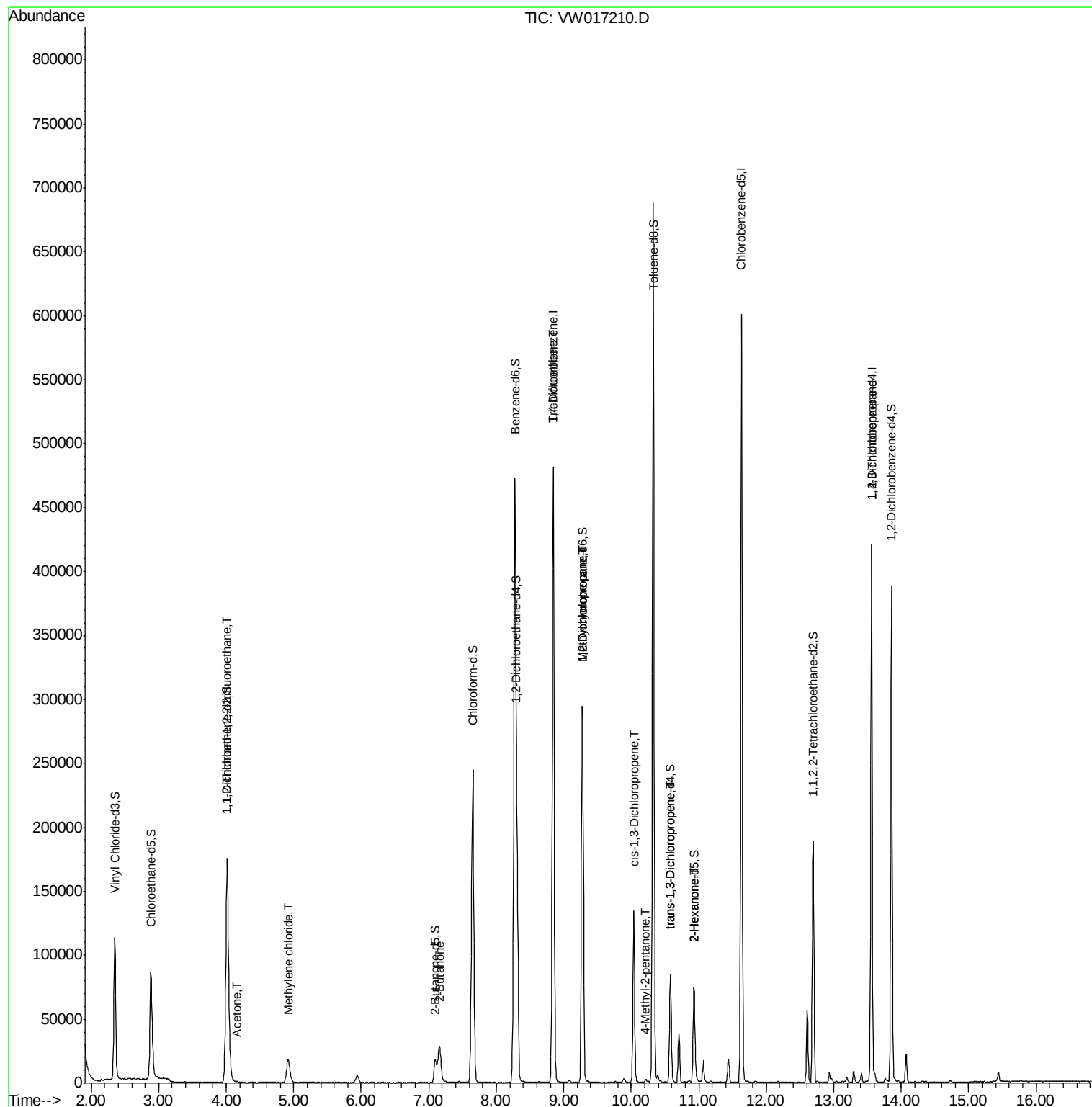
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	1629	0.292	ug/L #	17
13) Acetone	4.15	43	622	0.763	ug/L	63
16) Methylene chloride	4.92	84	16548	2.838	ug/L	95
21) 2-Butanone	7.16	43	4865	3.714	ug/L #	44
35) Trichloroethene	8.84	95	13291	2.591	ug/L #	2
36) Methylcyclohexane	9.27	83	36723	4.448	ug/L #	22
40) 1,2-Dichloropropane	9.27	63	15876	3.708	ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	3687	0.544	ug/L	87
43) 4-Methyl-2-pentanone	10.21	43	1947	0.737	ug/L	93
45) trans-1,3-Dichloropropene	10.58	75	2262	0.388	ug/L	93
49) 2-Hexanone	10.93	43	3393	2.131	ug/L #	64
59) 1,2,3-Trichloropropane	13.56	75	12405	4.047	ug/L	93

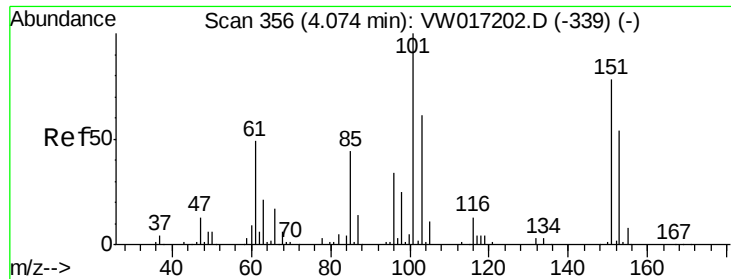
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111320\
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QLast Update : Mon Nov 16 11:48:24 2020
Response via : Initial Calibration





#11

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

Concen: 0.292 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW017210.D

Acq: 13 Nov 2020 14:15

Instrument :

MSVOA_W

ClientSampled :

C0AX2

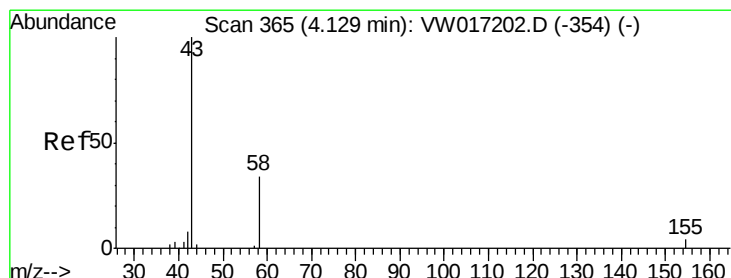
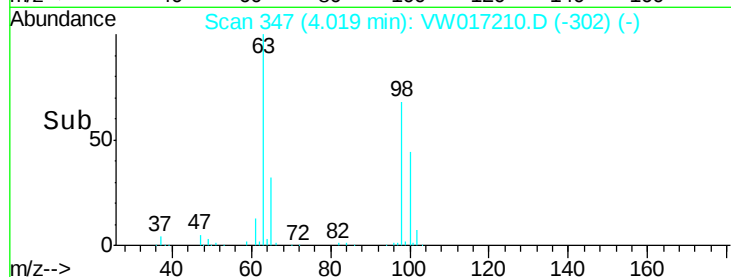
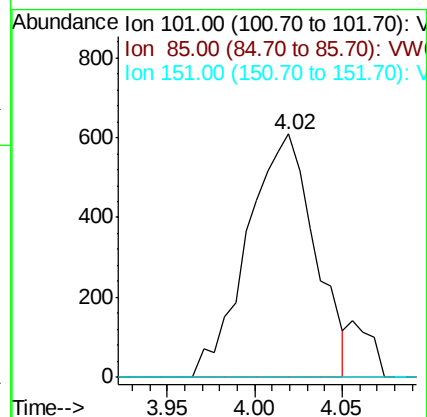
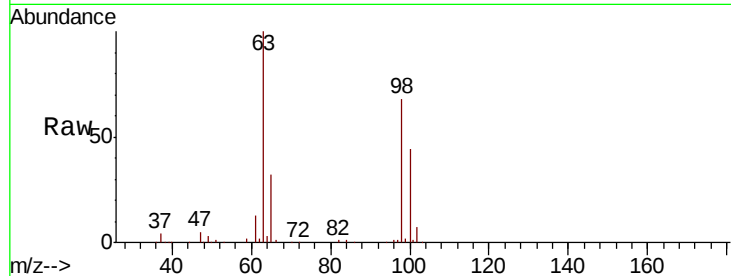
Tot Ion:101 Resp: 1629

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 65.4 98.2#



#13

Acetone

Concen: 0.763 ug/L

RT: 4.15 min Scan# 369

Delta R.T. 0.02 min

Lab File: VW017210.D

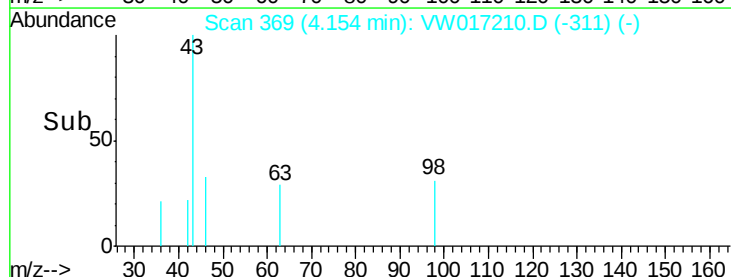
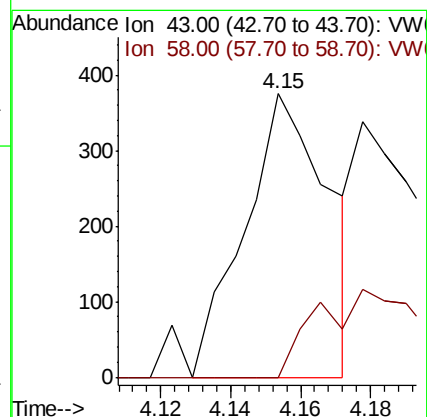
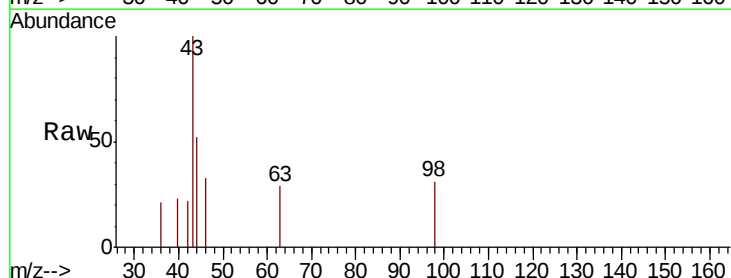
Acq: 13 Nov 2020 14:15

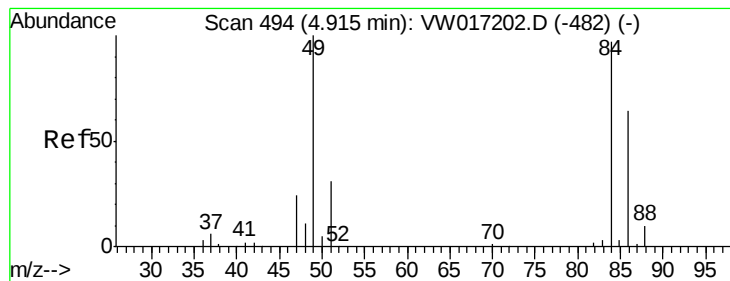
Tgt Ion: 43 Resp: 622

Ion Ratio Lower Upper

43 100

58 13.3 0.0 69.2





#16

Methylene chloride

Concen: 2.838 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW017210.D

Acq: 13 Nov 2020 14:15

Instrument :

MSVOA_W

ClientSampleId :

C0AX2

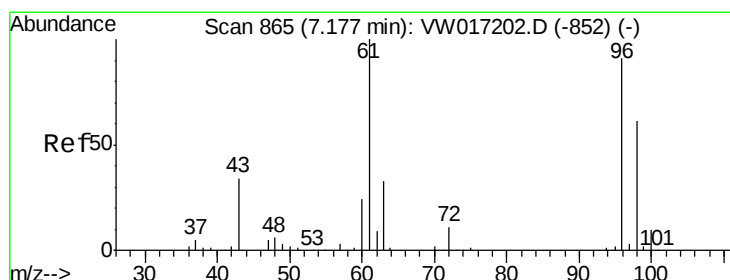
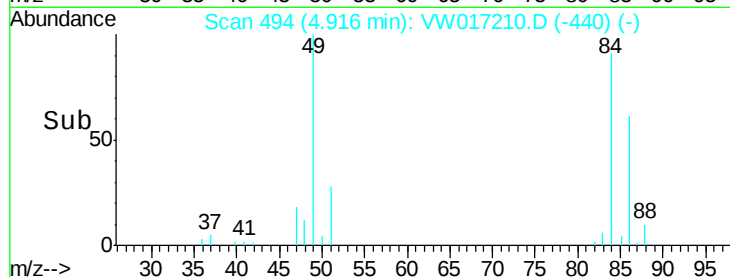
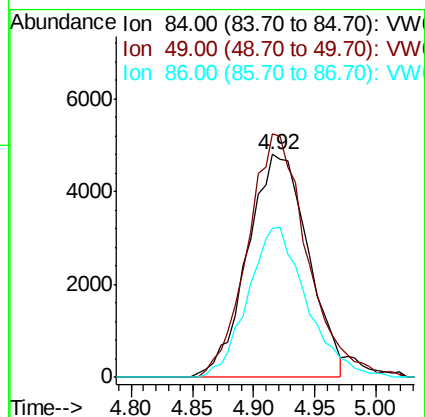
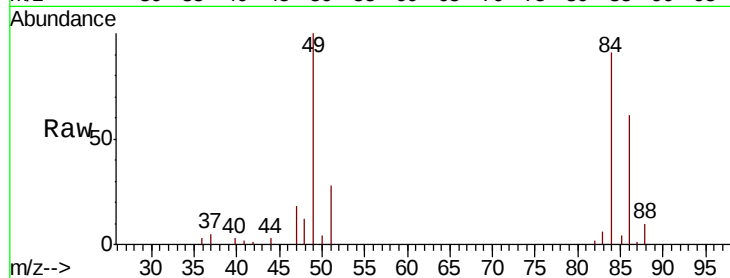
Tot Ion: 84 Resp: 16548

Ion Ratio Lower Upper

84 100

49 109.3 72.3 134.3

86 66.6 45.1 83.7



#21

2-Butanone

Concen: 3.714 ug/L

RT: 7.16 min Scan# 862

Delta R.T. -0.02 min

Lab File: VW017210.D

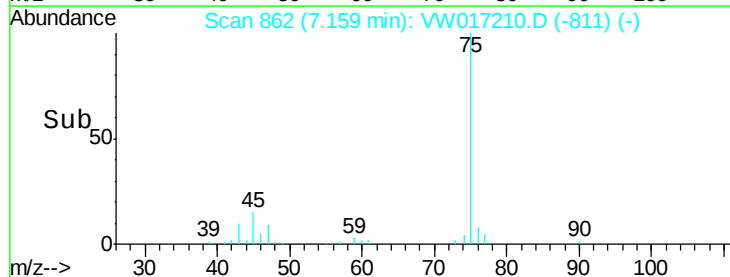
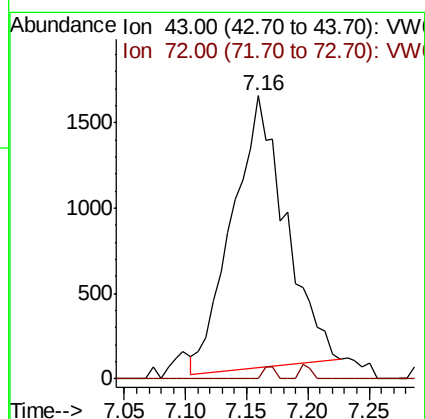
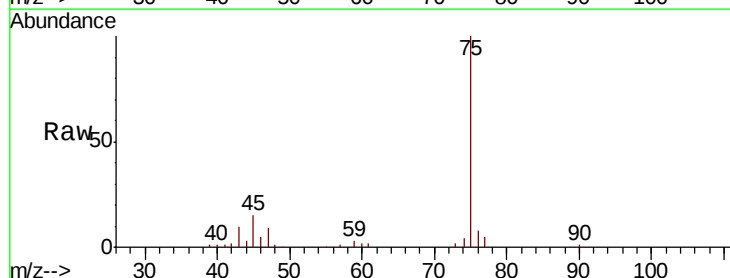
Acq: 13 Nov 2020 14:15

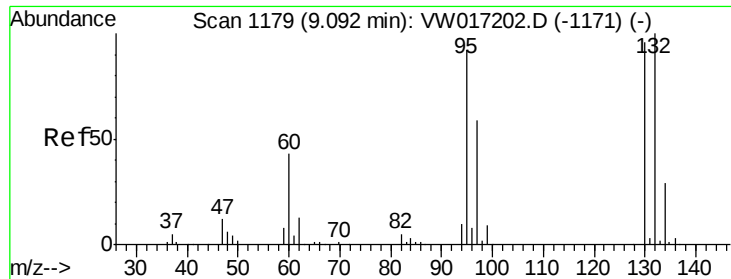
Tgt Ion: 43 Resp: 4865

Ion Ratio Lower Upper

43 100

72 1.0 16.1 48.3#





#35

Trichloroethene

Concen: 2.591 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW017210.D

Acq: 13 Nov 2020 14:15

Instrument :

MSVOA_W

ClientSampleId :

C0AX2

Tot Ion: 95 Resp: 13291

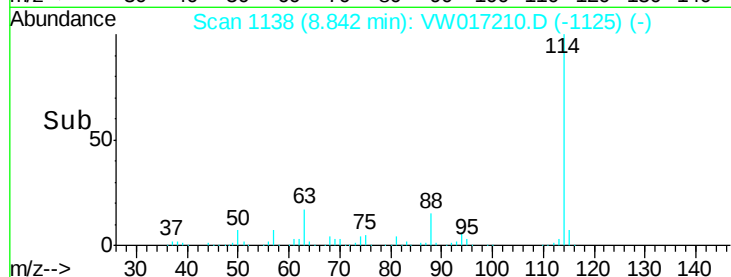
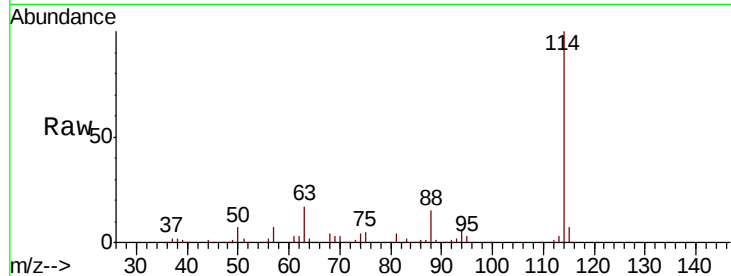
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.0 73.7 136.9#

130 0.0 77.1 143.1#

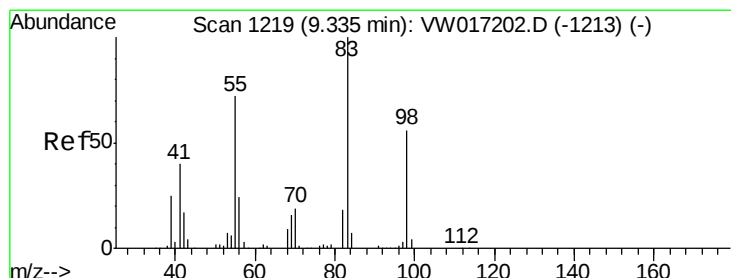
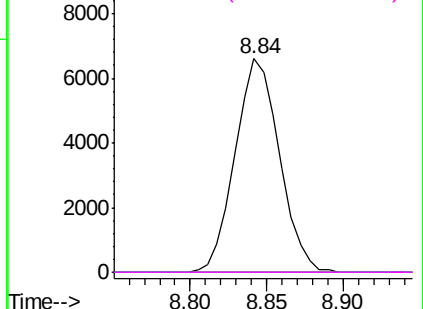


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 4.448 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW017210.D

Acq: 13 Nov 2020 14:15

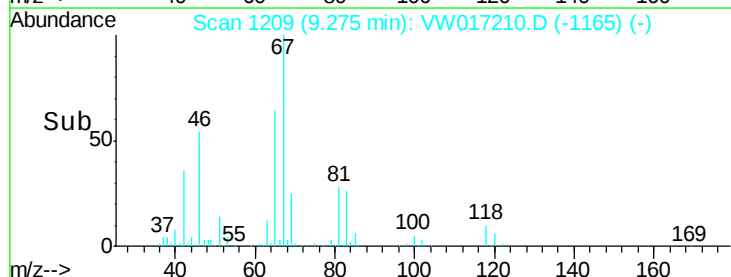
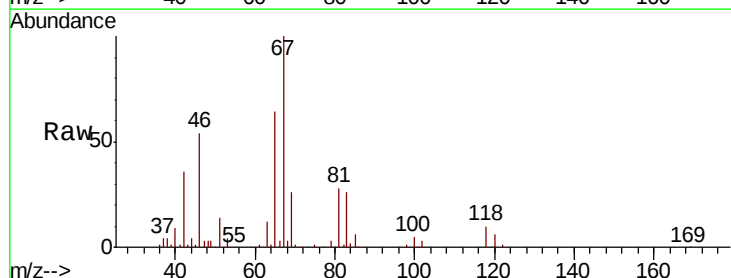
Tgt Ion: 83 Resp: 36723

Ion Ratio Lower Upper

83 100

55 0.5 54.4 81.6#

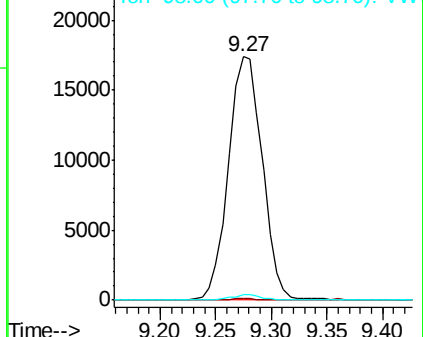
98 1.8 40.5 60.7#

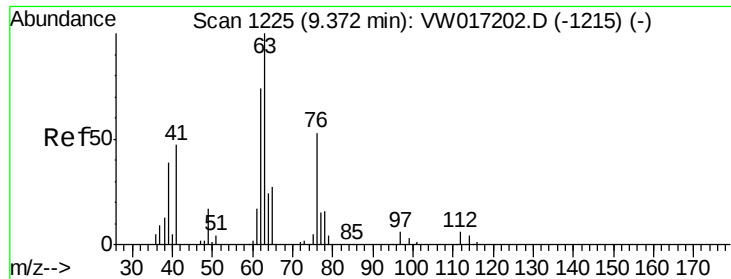


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 3.708 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW017210.D

Acq: 13 Nov 2020 14:15

Instrument :

MSVOA_W

ClientSampled :

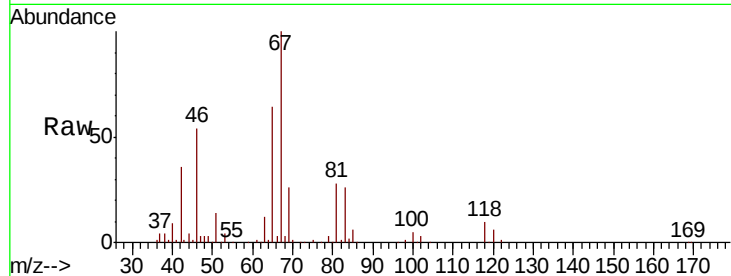
C0AX2

Tot Ion: 63 Resp: 15876

Ion Ratio Lower Upper

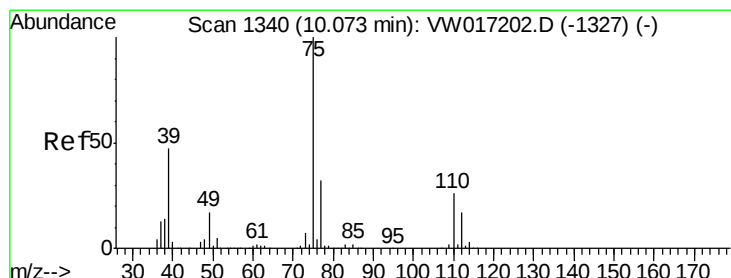
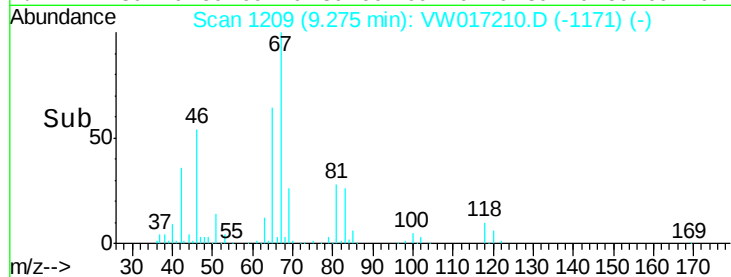
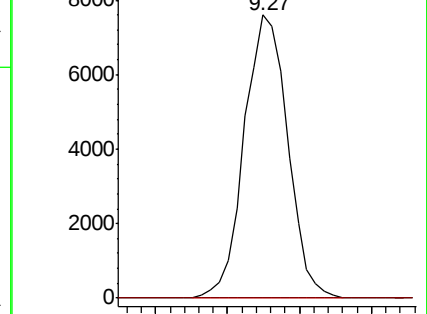
63 100

112 0.0 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.544 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW017210.D

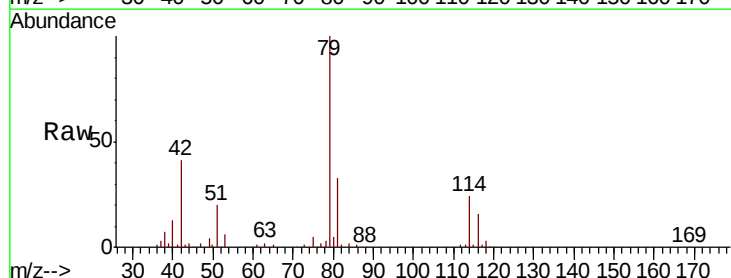
Acq: 13 Nov 2020 14:15

Tgt Ion: 75 Resp: 3687

Ion Ratio Lower Upper

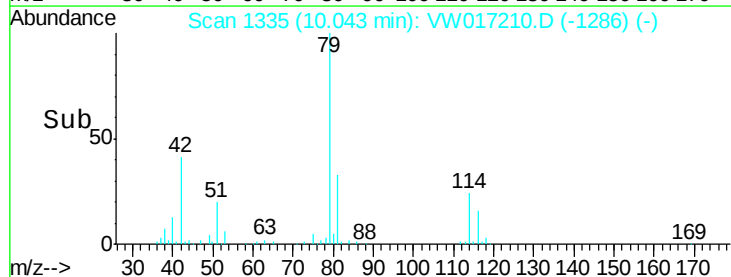
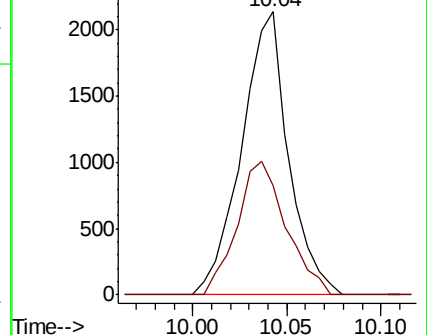
75 100

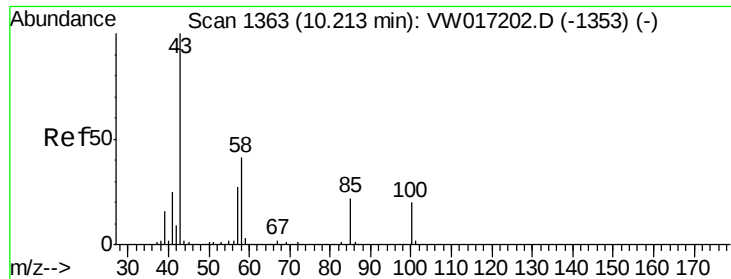
77 38.8 22.0 41.0



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: 0.737 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017210.D

Acq: 13 Nov 2020 14:15

Instrument :

MSVOA_W

ClientSampled :

C0AX2

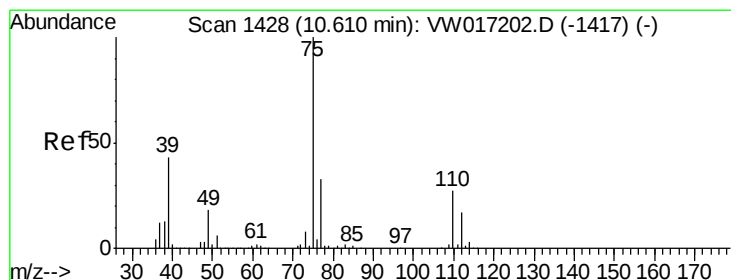
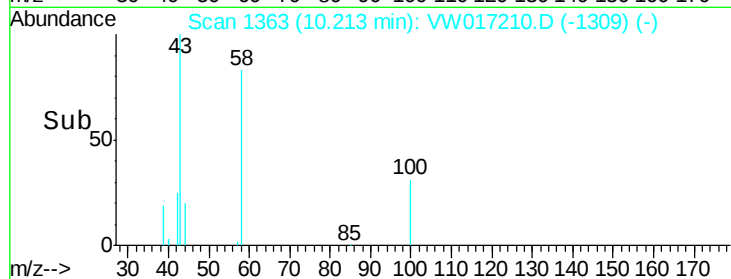
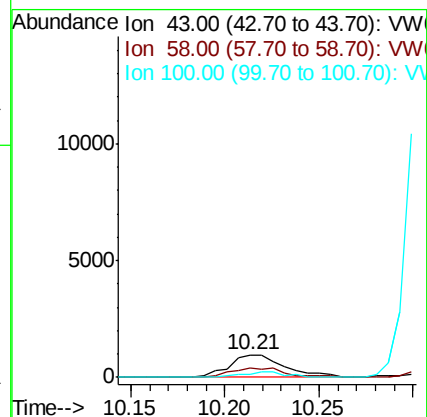
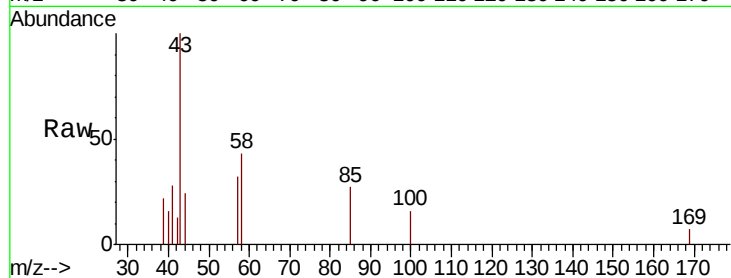
Tot Ion: 43 Resp: 1947

Ion Ratio Lower Upper

43 100

58 38.8 35.0 52.6

100 18.1 16.6 24.8



#45

trans-1,3-Dichloropropene

Concen: 0.388 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017210.D

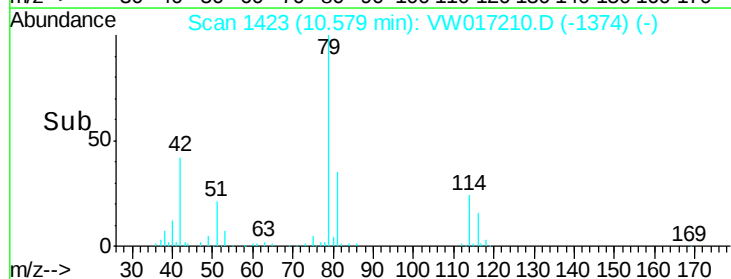
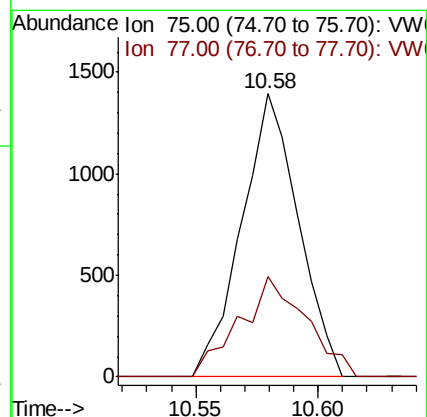
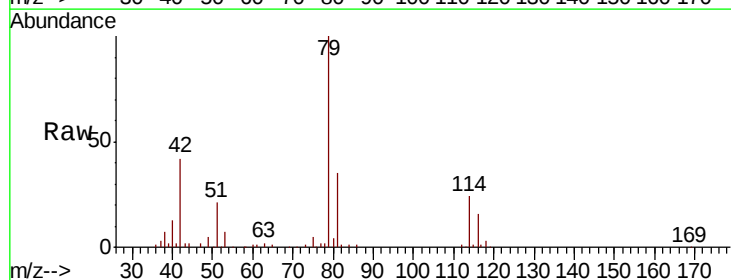
Acq: 13 Nov 2020 14:15

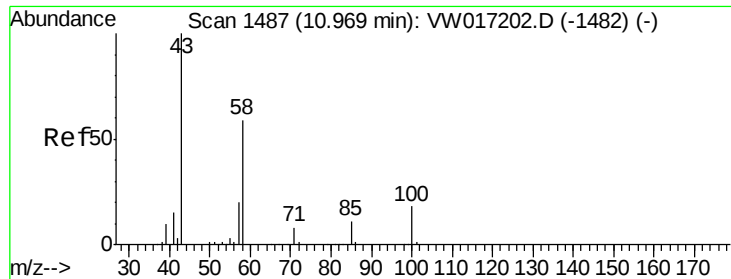
Tgt Ion: 75 Resp: 2262

Ion Ratio Lower Upper

75 100

77 35.4 22.1 41.1





#49

2-Hexanone

Concen: 2.131 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW017210.D

Acq: 13 Nov 2020 14:15

Instrument :

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ClientSampleId :

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Tot Ion: 43 Resp: 3393

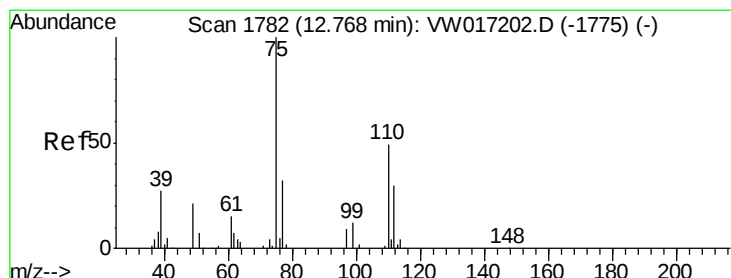
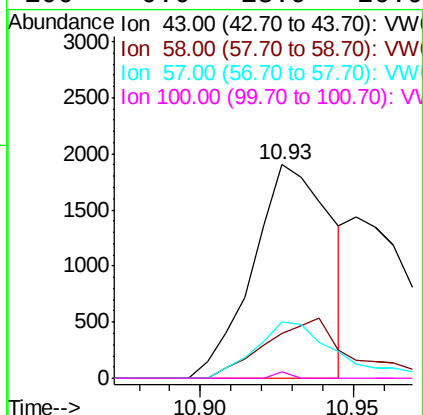
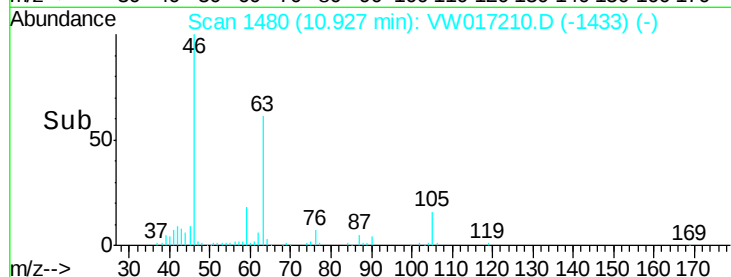
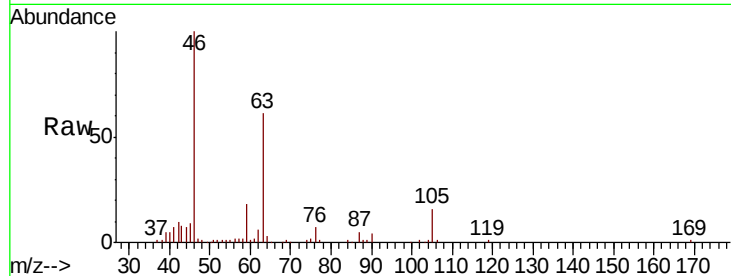
Ion Ratio Lower Upper

43 100

58 29.6 50.6 75.8#

57 27.3 17.8 26.6#

100 0.0 13.9 20.9#



#59

1,2,3-Trichloropropane

Concen: 4.047 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017210.D

Acq: 13 Nov 2020 14:15

Tgt Ion: 75 Resp: 12405

Ion Ratio Lower Upper

75 100

77 36.8 26.4 39.6

