

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111320\
 Data File : VW017221.D
 Acq On : 13 Nov 2020 18:34
 Operator : SY/VA
 Sample : L4710-02
 Misc : 4.31G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AW7

Quant Time: Nov 16 14:17:38 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	347462	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	234523	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	59836	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	102799	23.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.96%
7) Chloroethane-d5	2.89	69	88714	26.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.20%
10) 1,1-Dichloroethene-d2	4.02	63	137844	17.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.44%
20) 2-Butanone-d5	7.08	46	28136	28.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	57.50%
24) Chloroform-d	7.65	84	207773	25.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.44%
26) 1,2-Dichloroethane-d4	8.31	65	109242	27.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.36%
29) Benzene-d6	8.28	84	383186	32.08	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	128.32%
33) 1,2-Dichloropropane-d6	9.27	67	112647	34.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	136.40%#
37) Toluene-d8	10.33	98	307739	27.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.32%
38) trans-1,3-Dichloropropene-	10.58	79	31716	21.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.20%
39) 2-Hexanone-d5	10.93	63	19214	33.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.66%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	65952	22.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.68%
61) 1,2-Dichlorobenzene-d4	13.86	152	47527	22.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.16%

Target Compounds

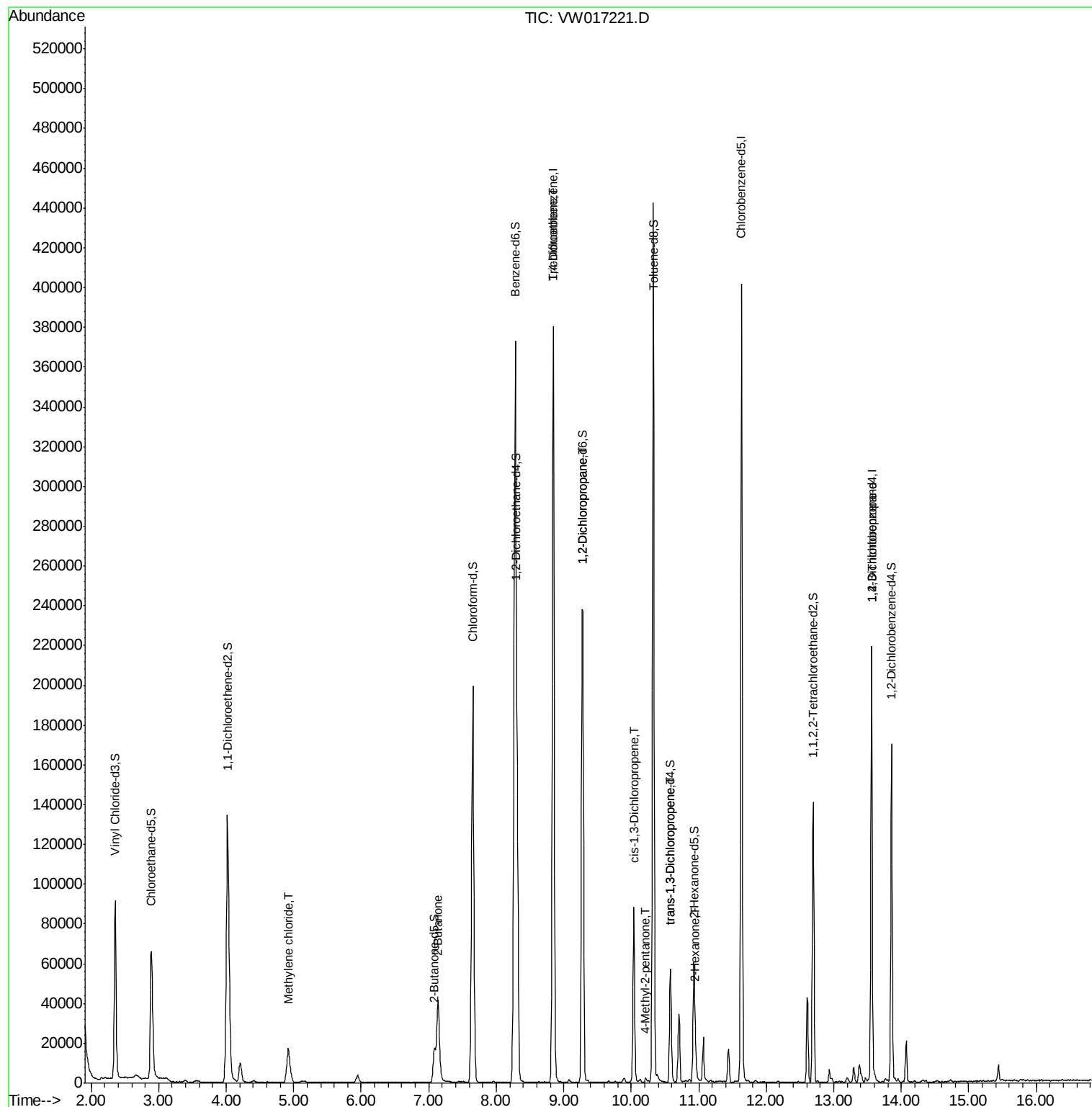
					Ovalue
16) Methylene chloride	4.92	84	15453	3.299 ug/L	96
21) 2-Butanone	7.13	43	6865	6.524 ug/L #	46
35) Trichloroethene	8.85	95	10106	2.930 ug/L #	2
40) 1,2-Dichloropropane	9.27	63	12844	4.462 ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	2497	0.548 ug/L #	61
43) 4-Methyl-2-pentanone	10.21	43	1488	0.838 ug/L #	94
45) trans-1,3-Dichloropropene	10.58	75	1605	0.410 ug/L #	77
49) 2-Hexanone	10.95	43	5336	4.983 ug/L #	35
59) 1,2,3-Trichloropropane	13.56	75	6496	3.152 ug/L	91

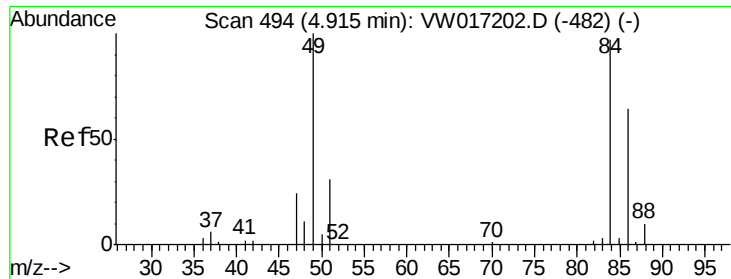
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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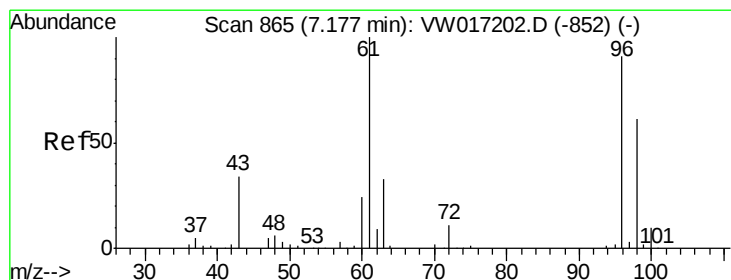
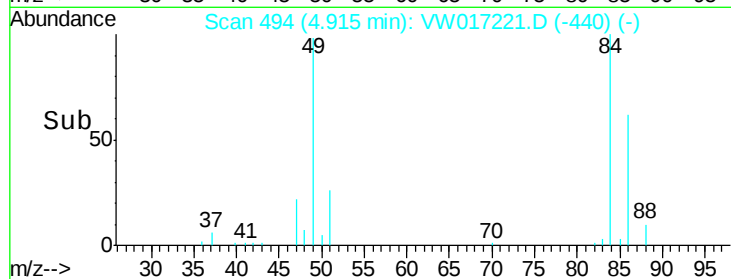
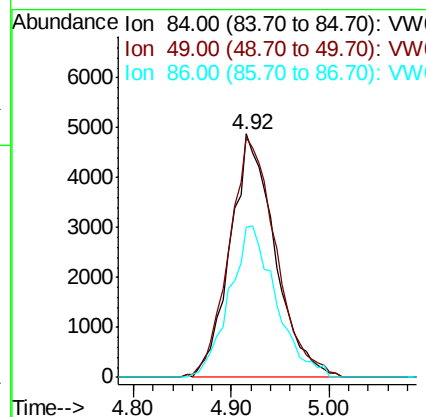
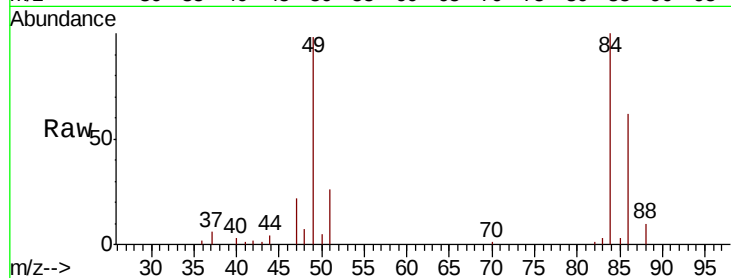




#16
Methvlene chloride
Concen: 3.299 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW017221.D
Acq: 13 Nov 2020 18:34

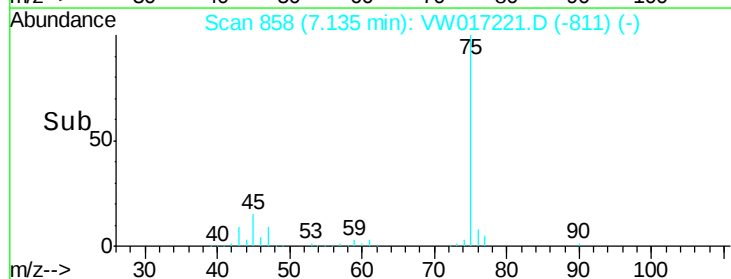
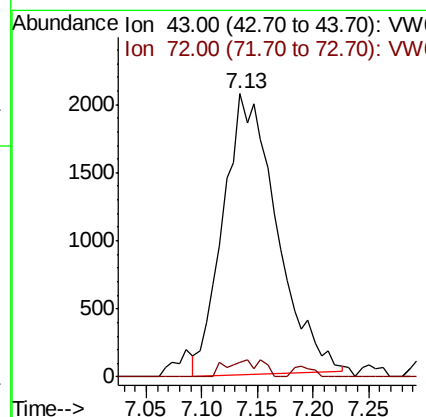
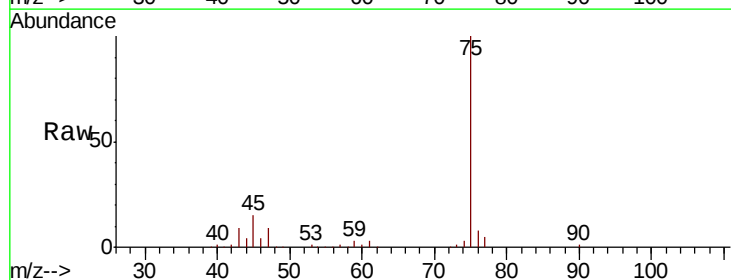
Instrument :
MSVOA_W
ClientSampleId :
C0AW7

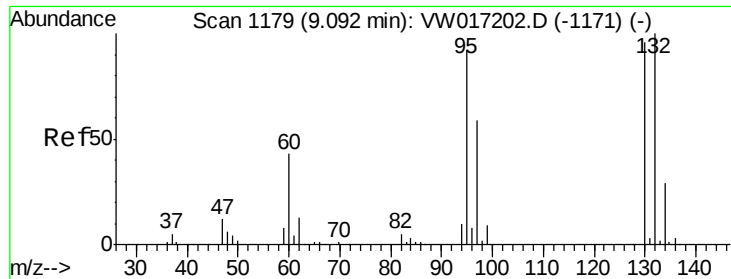
Tot Ion: 84 Resp: 15453
Ion Ratio Lower Upper
84 100
49 98.3 72.3 134.3
86 61.9 45.1 83.7



#21
2-Butanone
Concen: 6.524 ug/L
RT: 7.13 min Scan# 858
Delta R.T. -0.04 min
Lab File: VW017221.D
Acq: 13 Nov 2020 18:34

Tgt Ion: 43 Resp: 6865
Ion Ratio Lower Upper
43 100
72 2.0 16.1 48.3#





#35

Trichloroethene

Concen: 2.930 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017221.D

Acq: 13 Nov 2020 18:34

Instrument :

MSVOA_W

ClientSampleId :

C0AW7

Tot Ion: 95 Resp: 10106

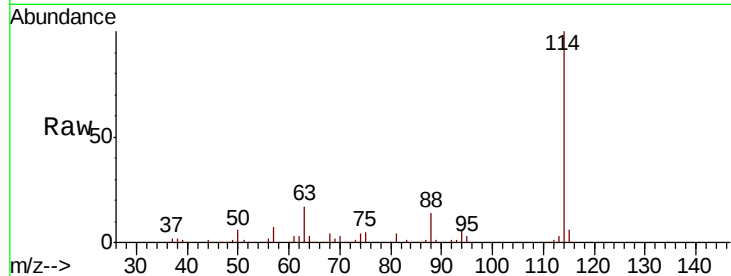
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.0 73.7 136.9#

130 0.0 77.1 143.1#

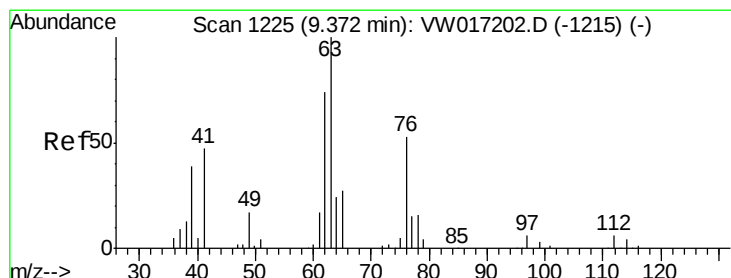
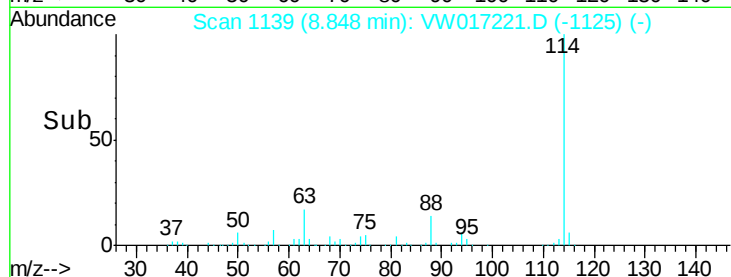
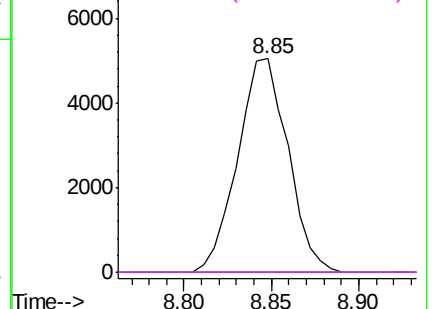


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#40

1,2-Dichloropropane

Concen: 4.462 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW017221.D

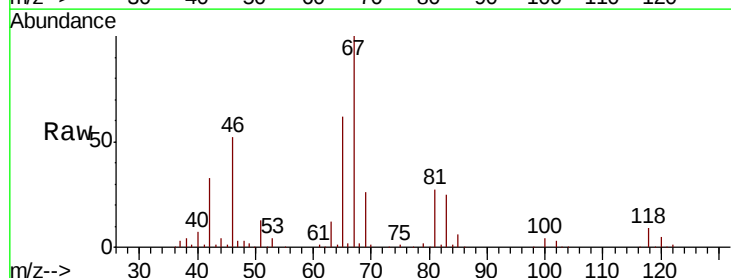
Acq: 13 Nov 2020 18:34

Tgt Ion: 63 Resp: 12844

Ion Ratio Lower Upper

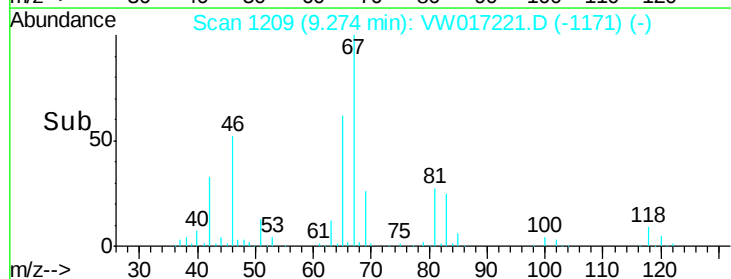
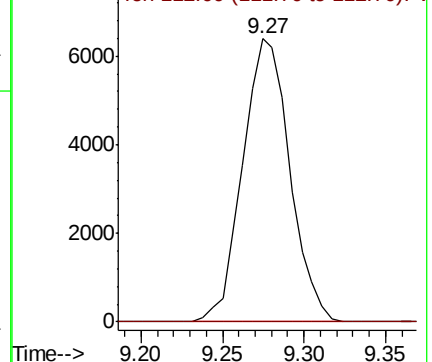
63 100

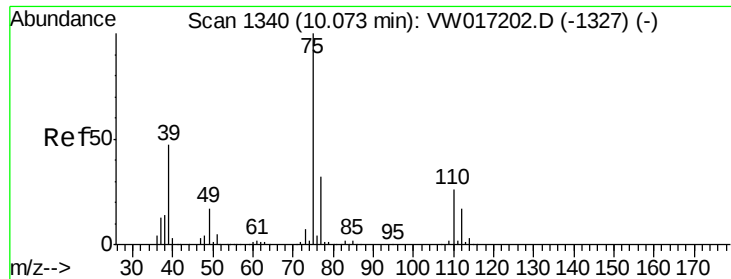
112 0.4 4.2 6.2#



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: 0.548 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017221.D

Acq: 13 Nov 2020 18:34

Instrument :

MSVOA_W

ClientSampleId :

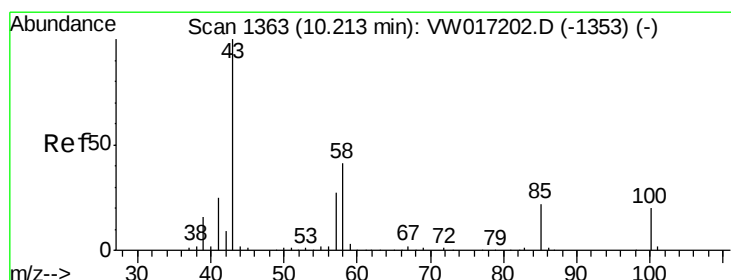
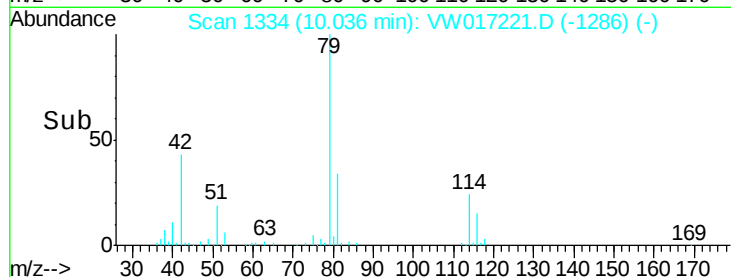
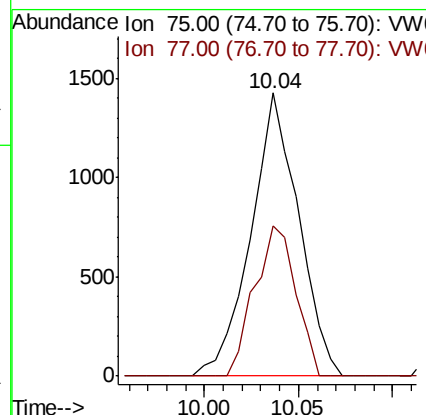
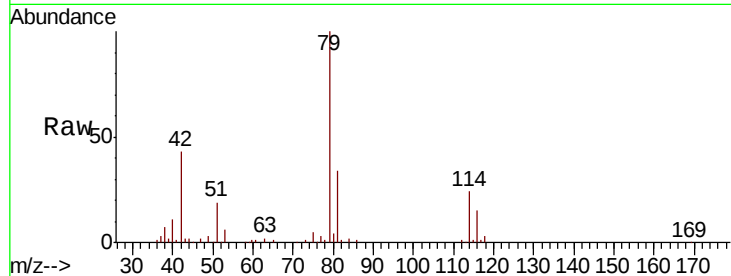
C0AW7

Tot Ion: 75 Resp: 2497

Ion Ratio Lower Upper

75 100

77 53.0 22.0 41.0#



#43

4-Methyl-2-pentanone

Concen: 0.838 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017221.D

Acq: 13 Nov 2020 18:34

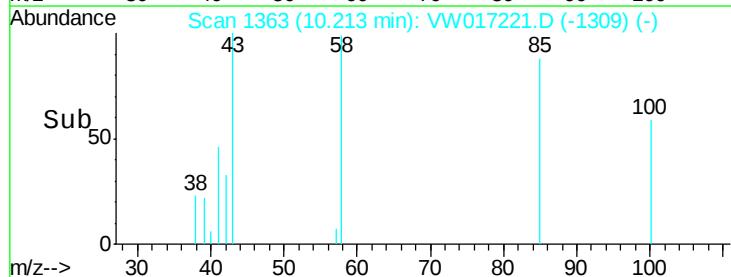
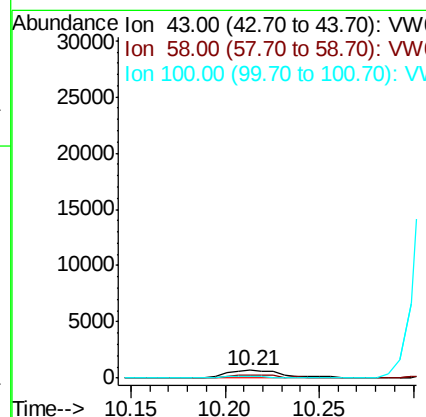
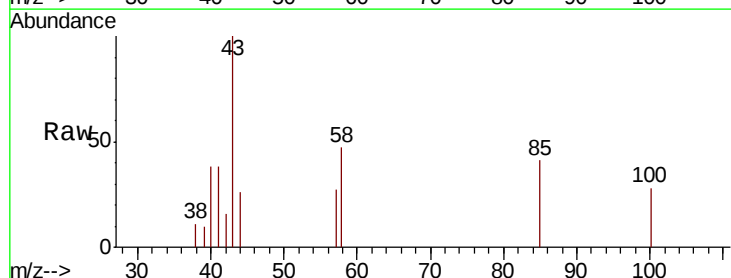
Tgt Ion: 43 Resp: 1488

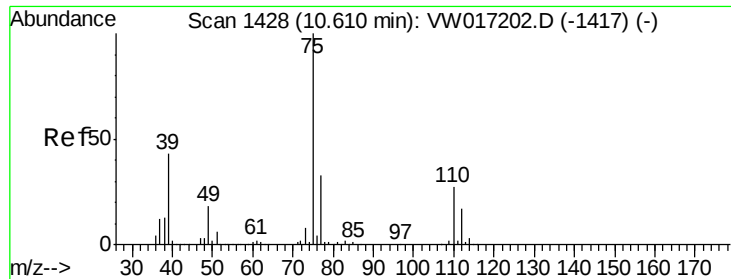
Ion Ratio Lower Upper

43 100

58 40.5 35.0 52.6

100 16.3 16.6 24.8#





#45

trans-1,3-Dichloropropene

Concen: 0.410 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017221.D

Acq: 13 Nov 2020 18:34

Instrument :

MSVOA_W

ClientSampled :

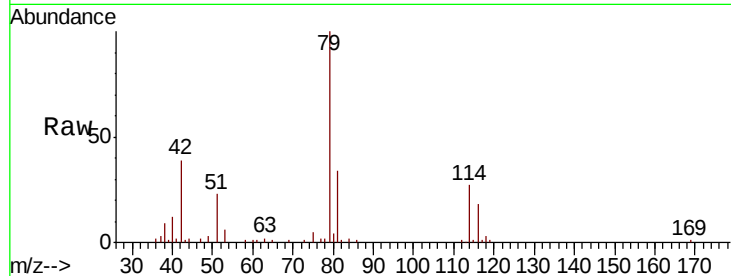
C0AW7

Tot Ion: 75 Resp: 1605

Ion Ratio Lower Upper

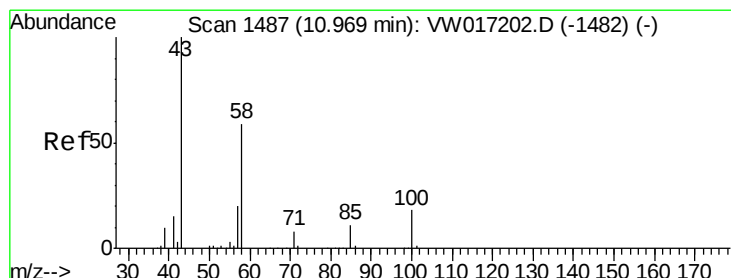
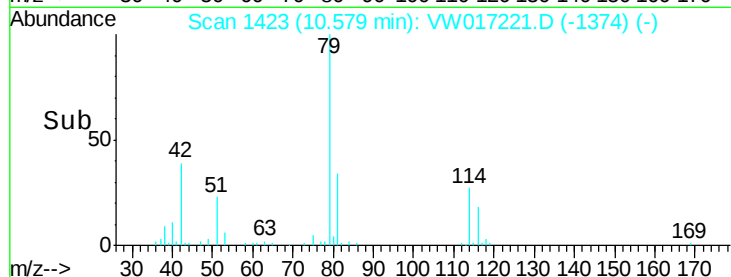
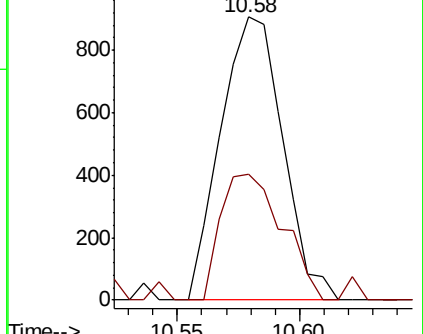
75 100

77 44.6 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#49

2-Hexanone

Concen: 4.983 ug/L

RT: 10.95 min Scan# 1484

Delta R.T. -0.02 min

Lab File: VW017221.D

Acq: 13 Nov 2020 18:34

Tgt Ion: 43 Resp: 5336

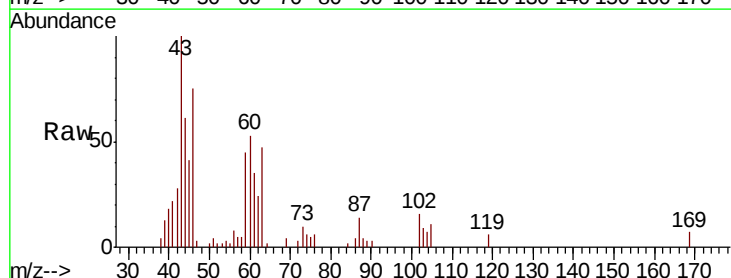
Ion Ratio Lower Upper

43 100

58 0.7 50.6 75.8#

57 3.0 17.8 26.6#

100 0.0 13.9 20.9#

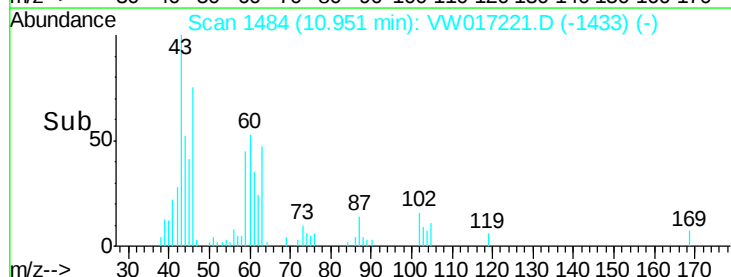
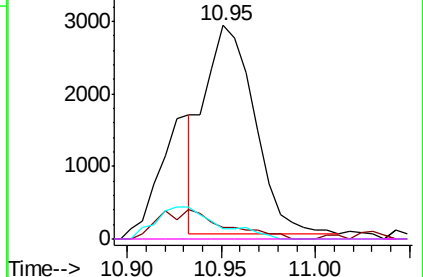


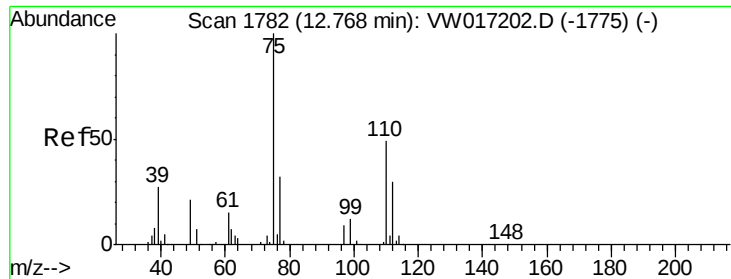
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#59

1,2,3-Trichloropropane

Concen: 3.152 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017221.D

Acq: 13 Nov 2020 18:34

Instrument :

MSVOA_W

ClientSampleId :

C0AW7

Tot Ion: 75 Resp: 6496

Ion Ratio Lower Upper

75 100

77 38.3 26.4 39.6

