

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\
 Data File : VW017301.D
 Acq On : 17 Nov 2020 21:58
 Operator : SY/VA
 Sample : L4738-07
 Misc : 4.95G/10ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB0X4

Quant Time: Nov 18 04:52:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 04:50:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	412918	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	336281	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	112711	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	94076	18.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.36%
7) Chloroethane-d5	2.89	69	85872	21.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.72%
10) 1,1-Dichloroethene-d2	4.03	63	136138	14.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.52%
20) 2-Butanone-d5	7.09	46	49675	42.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.42%
24) Chloroform-d	7.65	84	227036	23.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	8.31	65	118104	24.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.56%
29) Benzene-d6	8.28	84	425957	24.87	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.48%
33) 1,2-Dichloropropane-d6	9.28	67	123585	26.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.36%
37) Toluene-d8	10.33	98	377926	23.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.64%
38) trans-1,3-Dichloropropene-	10.58	79	48897	22.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.60%
39) 2-Hexanone-d5	10.93	63	40902	49.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	95685	23.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.76%
61) 1,2-Dichlorobenzene-d4	13.86	152	91869	23.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.52%

Target Compounds

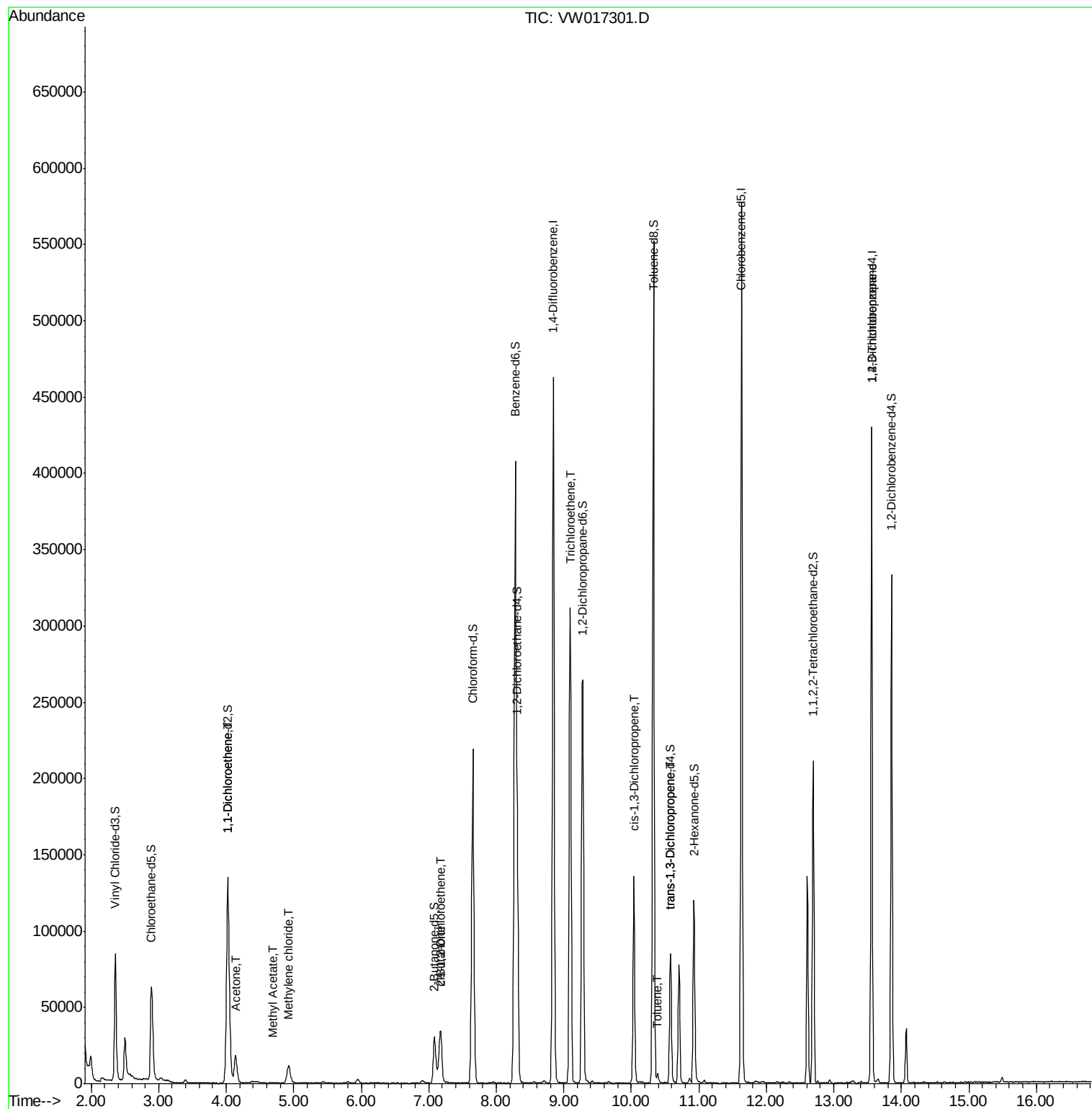
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.03	96	1393	0.272	ug/L #	1
13) Acetone	4.14	43	33757	43.347	ug/L	95
15) Methyl Acetate	4.68	43	652	0.338	ug/L #	87
16) Methylene chloride	4.92	84	10511	1.888	ug/L	97
21) 2-Butanone	7.18	43	6082	4.864	ug/L	83
22) cis-1,2-Dichloroethene	7.17	96	19282	3.438	ug/L	94
35) Trichloroethene	9.09	95	107399	21.712	ug/L	98
42) cis-1,3-Dichloropropene	10.04	75	3568	0.546	ug/L #	70
44) Toluene	10.39	91	4863	0.250	ug/L	79
45) trans-1,3-Dichloropropene	10.59	75	2523	0.449	ug/L	88
59) 1,2,3-Trichloropropane	13.56	75	12471	4.220	ug/L	93

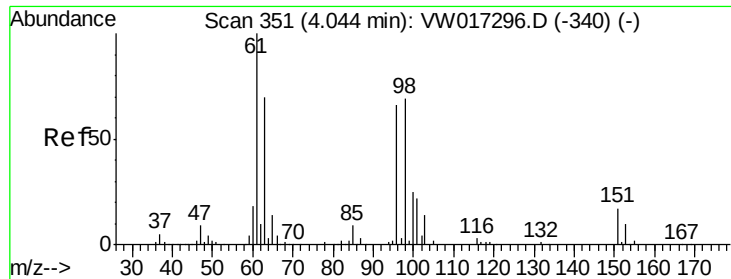
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Nov 18 04:50:20 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.272 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW017301.D

Acq: 17 Nov 2020 21:58

Instrument :

MSVOA_W

ClientSampled :

GB0X4

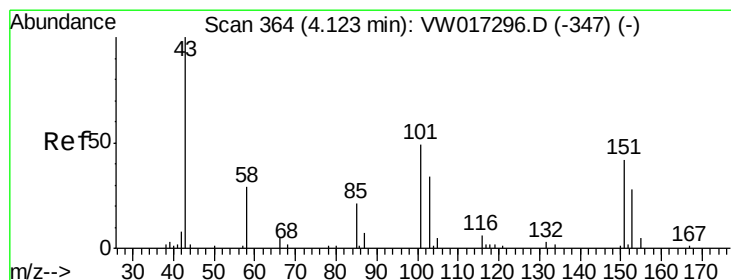
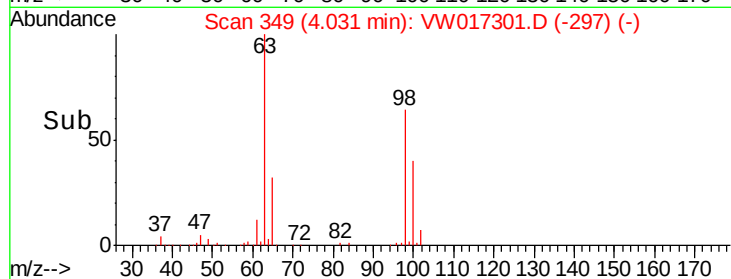
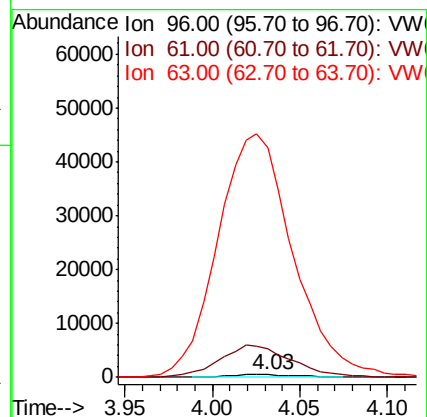
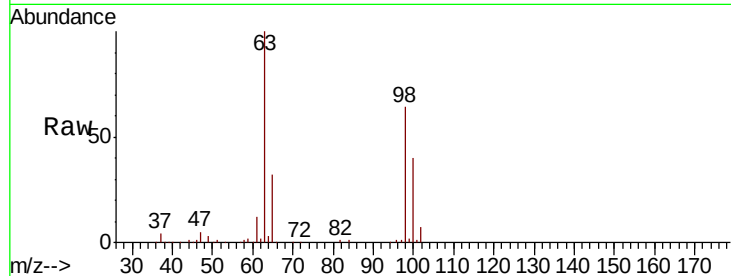
Tot Ion: 96 Resp: 1393

Ion Ratio Lower Upper

96 100

61 995.5 103.8 192.8#

63 8027.1 84.4 156.7#



#13

Acetone

Concen: 43.347 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW017301.D

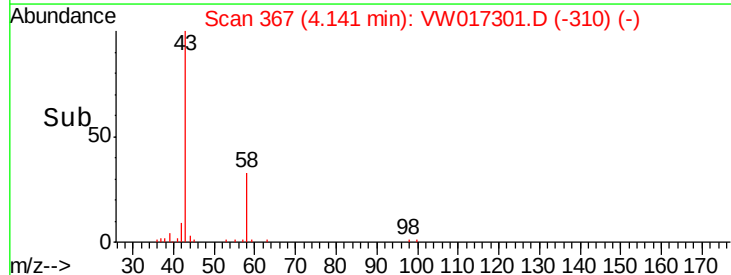
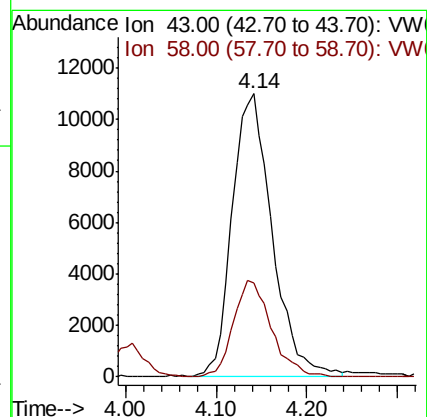
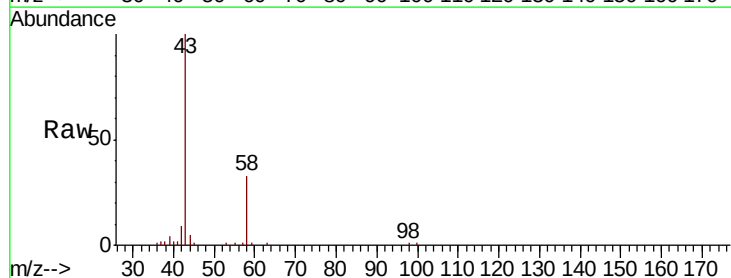
Acq: 17 Nov 2020 21:58

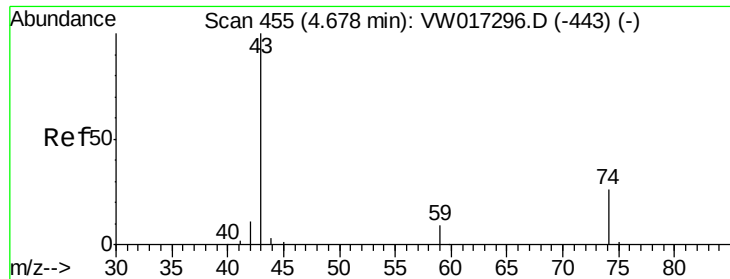
Tgt Ion: 43 Resp: 33757

Ion Ratio Lower Upper

43 100

58 31.8 0.0 69.2

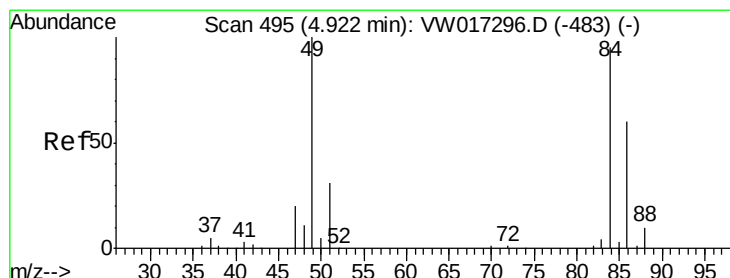
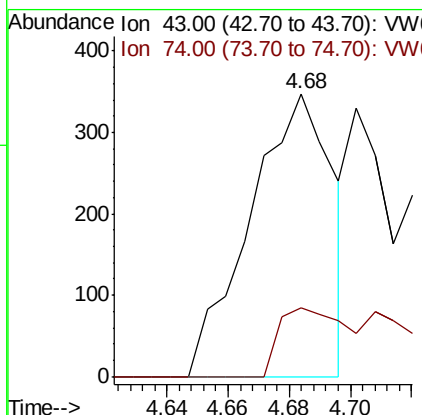
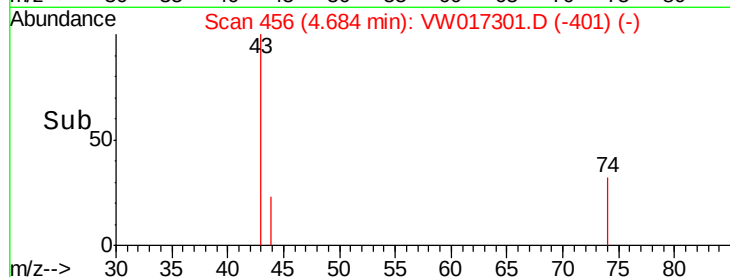
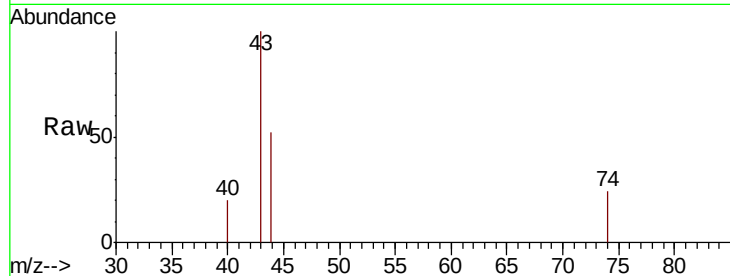




#15
Methyl Acetate
Concen: 0.338 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW017301.D
Acq: 17 Nov 2020 21:58

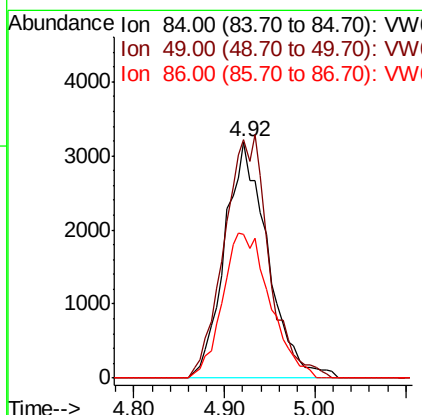
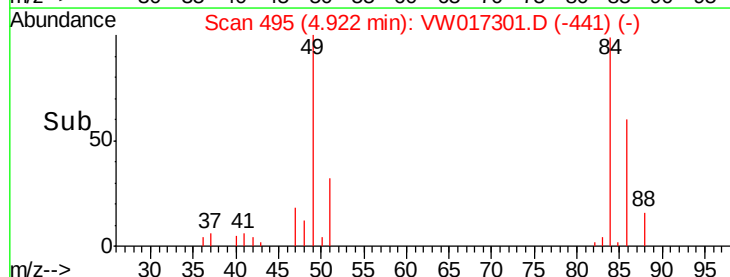
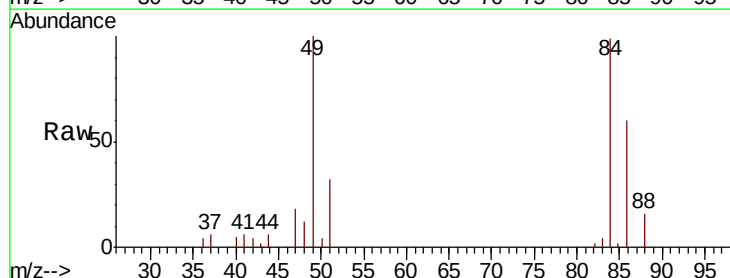
Instrument :
MSVOA_W
ClientSampleId :
GB0X4

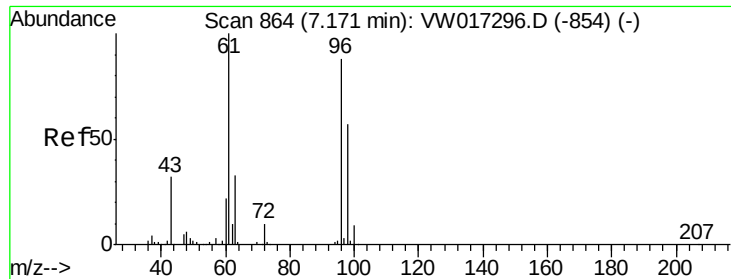
Tot Ion: 43 Resp: 652
Ion Ratio Lower Upper
43 100
74 19.9 21.5 32.3#



#16
Methylene chloride
Concen: 1.888 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017301.D
Acq: 17 Nov 2020 21:58

Tgt Ion: 84 Resp: 10511
Ion Ratio Lower Upper
84 100
49 100.7 72.3 134.3
86 60.6 45.1 83.7

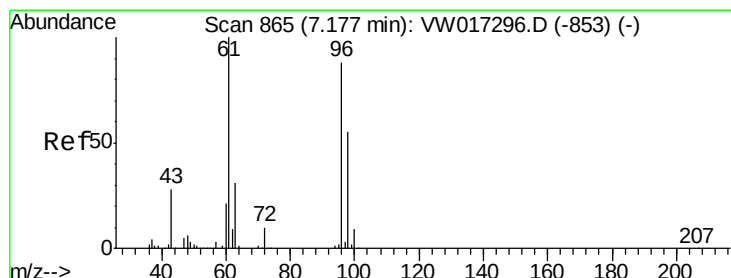
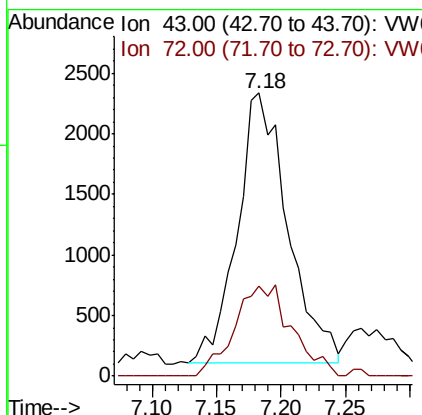
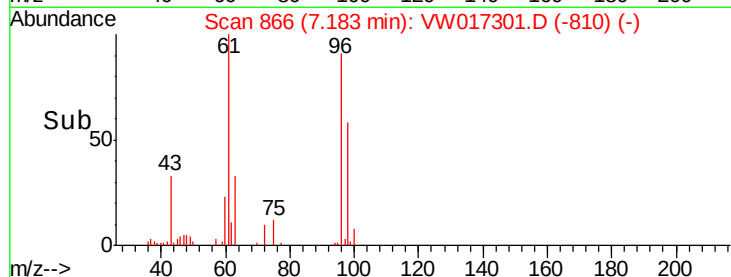
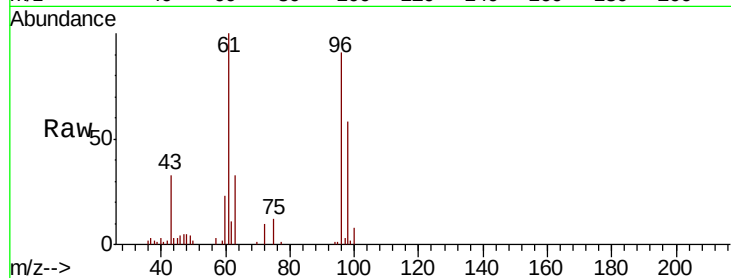




#21
2-Butanone
Concen: 4.864 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW017301.D
Acq: 17 Nov 2020 21:58

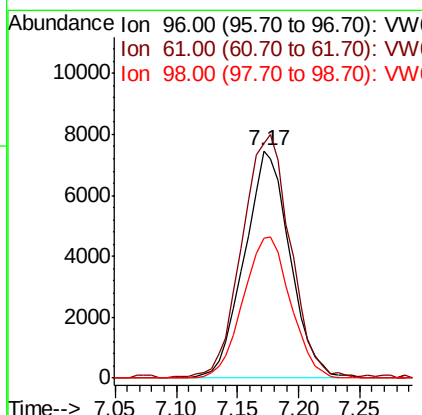
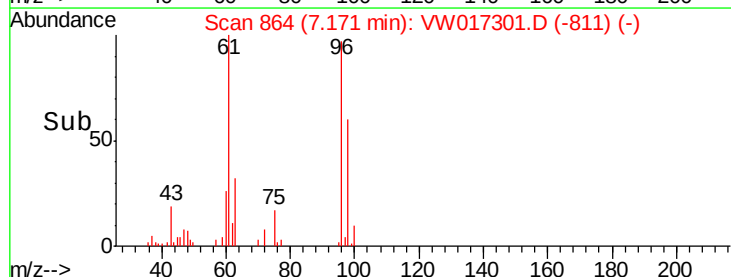
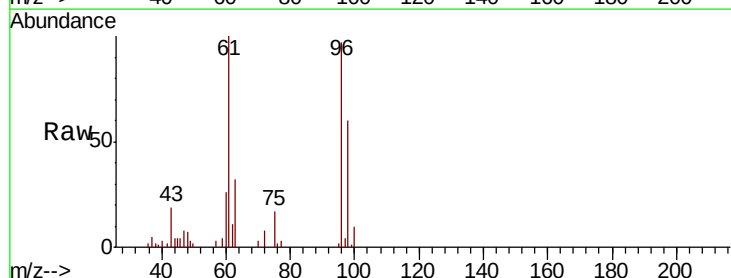
Instrument :
MSVOA_W
ClientSampled :
GB0X4

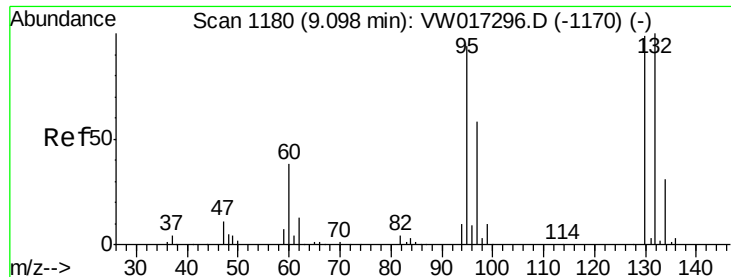
Tot Ion: 43 Resp: 6082
Ion Ratio Lower Upper
43 100
72 22.9 16.1 48.3



#22
cis-1,2-Dichloroethene
Concen: 3.438 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW017301.D
Acq: 17 Nov 2020 21:58

Tgt Ion: 96 Resp: 19282
Ion Ratio Lower Upper
96 100
61 103.1 77.4 143.8
98 61.5 45.1 83.7





#35

Trichloroethene

Concen: 21.712 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW017301.D

Acq: 17 Nov 2020 21:58

Instrument :

MSVOA_W

ClientSampleId :

GB0X4

Tot Ion: 95 Resp: 107399

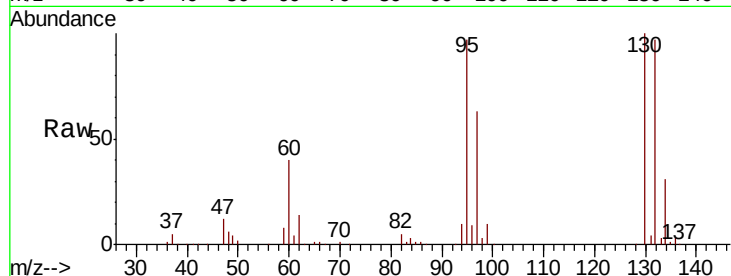
Ion Ratio Lower Upper

95 100

97 64.9 45.0 83.6

132 106.6 73.7 136.9

130 107.2 77.1 143.1

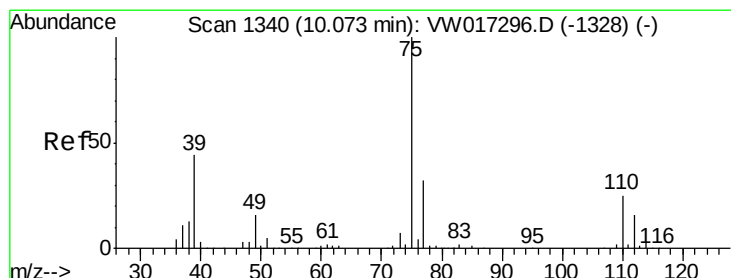
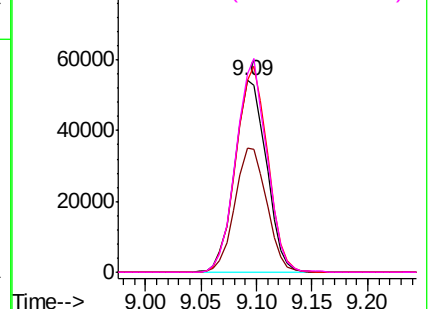
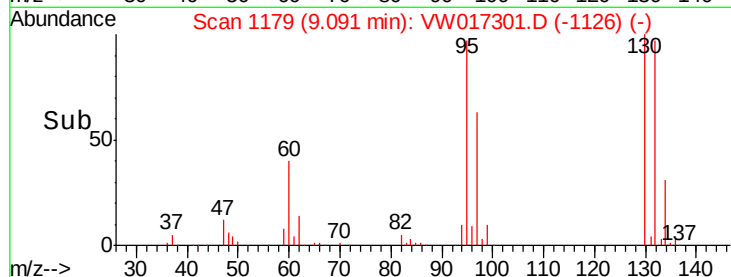


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#42

cis-1,3-Dichloropropene

Concen: 0.546 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017301.D

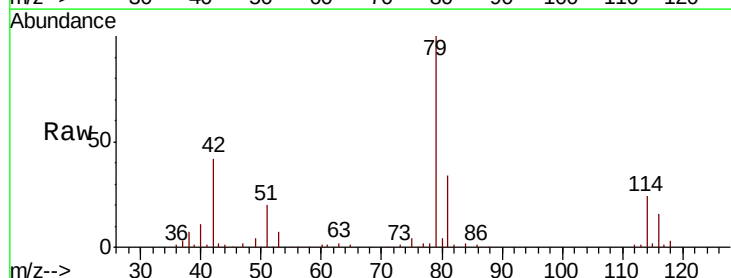
Acq: 17 Nov 2020 21:58

Tgt Ion: 75 Resp: 3568

Ion Ratio Lower Upper

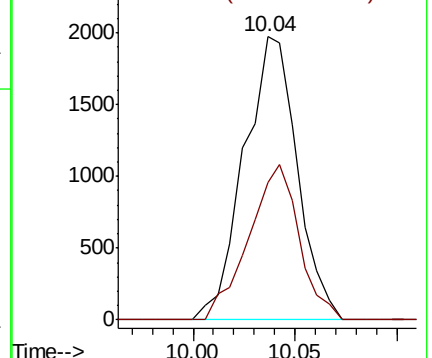
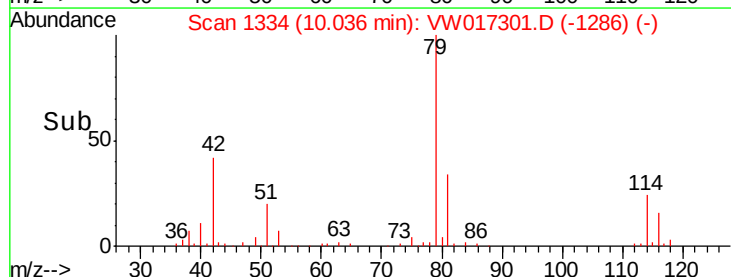
75 100

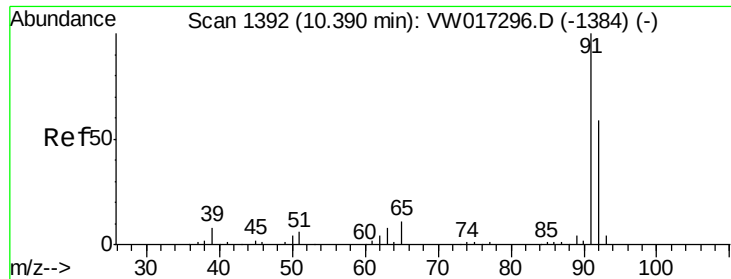
77 48.4 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 0.250 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017301.D

Acq: 17 Nov 2020 21:58

Instrument :

MSVOA_W

ClientSampled :

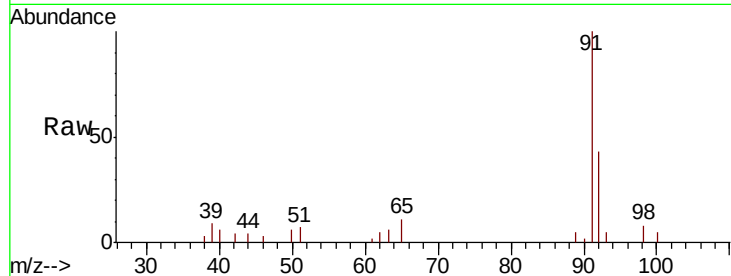
GB0X4

Tot Ion: 91 Resp: 4863

Ion Ratio Lower Upper

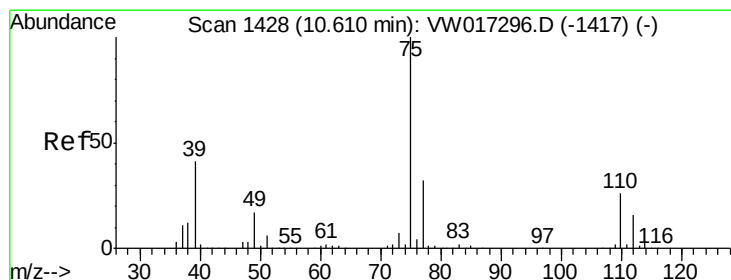
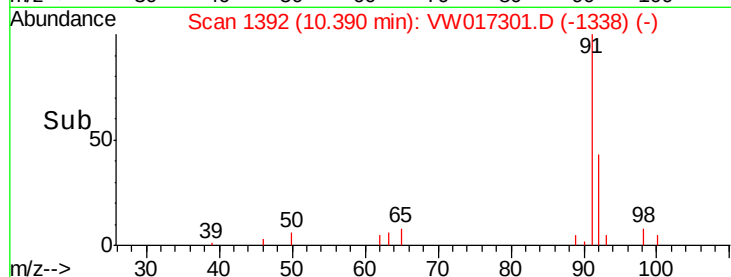
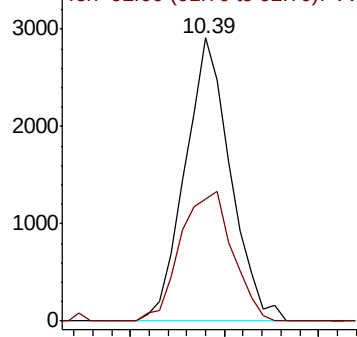
91 100

92 43.3 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 0.449 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017301.D

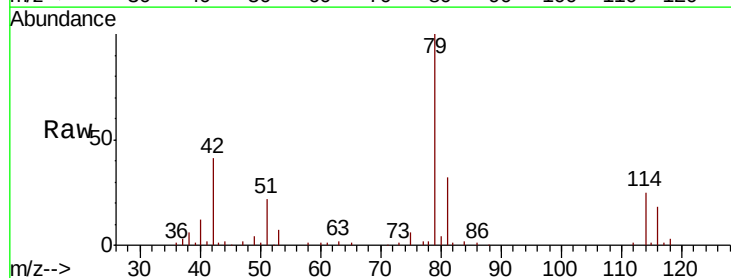
Acq: 17 Nov 2020 21:58

Tgt Ion: 75 Resp: 2523

Ion Ratio Lower Upper

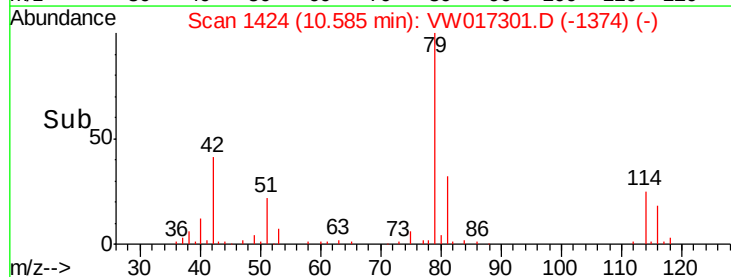
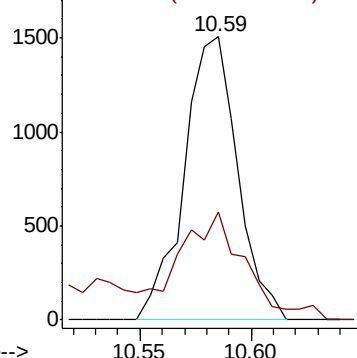
75 100

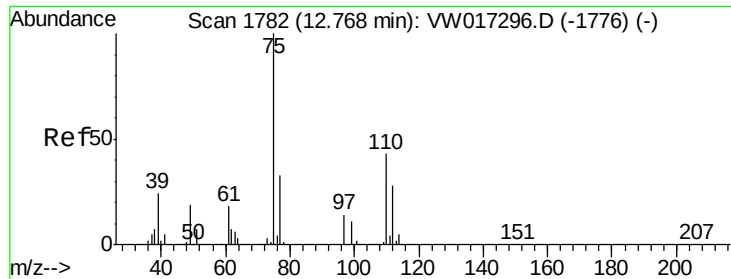
77 38.3 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#59

1,2,3-Trichloropropane

Concen: 4.220 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017301.D

Acq: 17 Nov 2020 21:58

Instrument :

MSVOA_W

ClientSampleId :

GB0X4

Tot Ion: 75 Resp: 12471

Ion Ratio Lower Upper

75 100

77 36.9 26.4 39.6

