

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110620\
 Data File : VW017110.D
 Acq On : 06 Nov 2020 18:58
 Operator : SY/VA
 Sample : L4615-13
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 07 04:35:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 07 04:26:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	462264	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	417854	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	193063	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	135284	23.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.92%
7) Chloroethane-d5	2.90	69	105676	23.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.20%
10) 1,1-Dichloroethene-d2	4.03	63	172300	16.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.16%
20) 2-Butanone-d5	7.09	46	50493	38.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.56%
24) Chloroform-d	7.65	84	246136	22.81	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.24%
26) 1,2-Dichloroethane-d4	8.31	65	122349	22.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.20%
29) Benzene-d6	8.28	84	499813	23.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.96%
33) 1,2-Dichloropropane-d6	9.27	67	139629	23.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.88%
37) Toluene-d8	10.33	98	461200	22.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.96%
38) trans-1,3-Dichloropropene-	10.58	79	56288	21.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.84%
39) 2-Hexanone-d5	10.93	63	38716	37.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	110999	21.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	172007	25.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.16%

Target Compounds

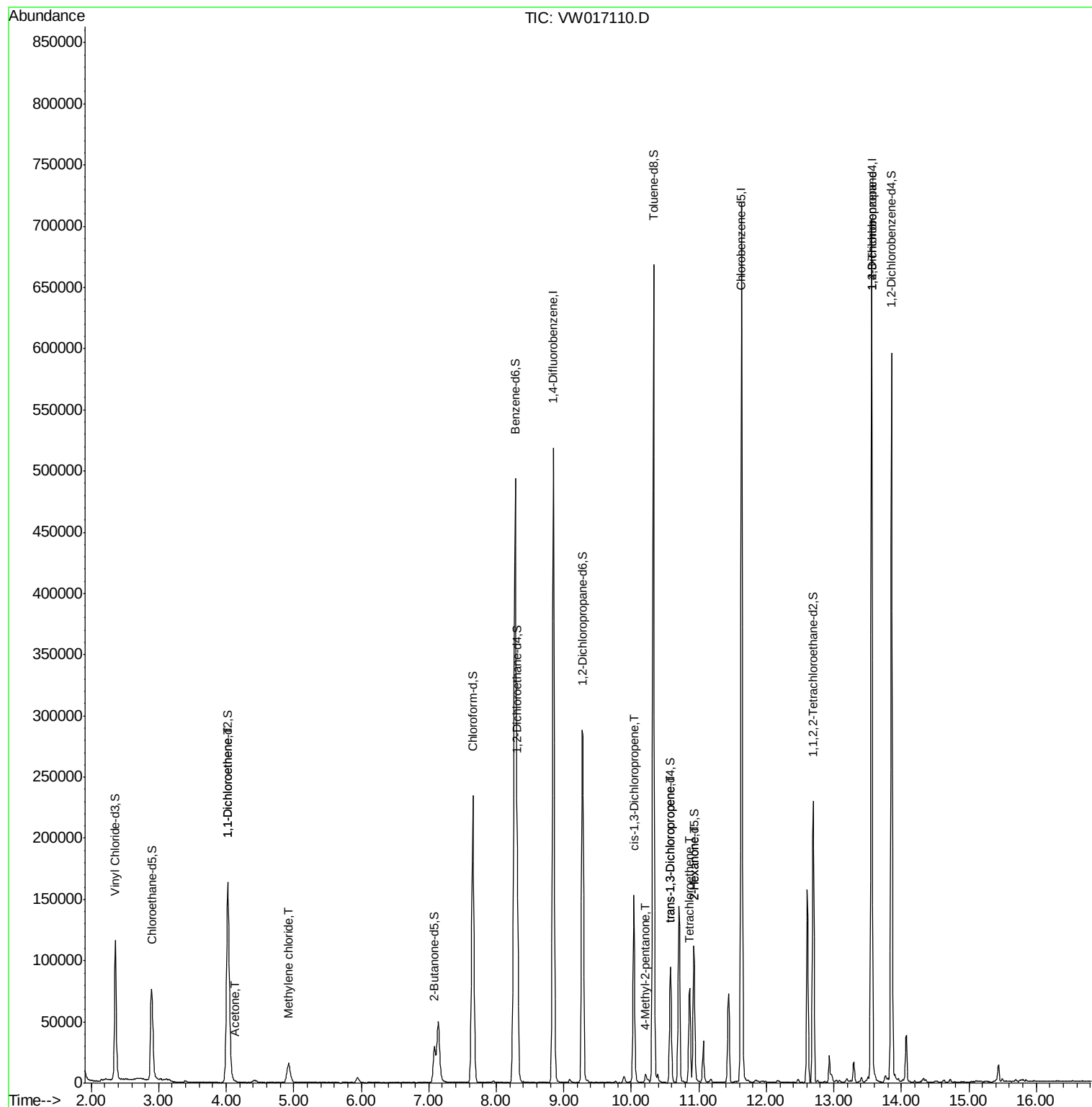
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.02	96	1581	0.276	ug/L #	1
13) Acetone	4.14	43	893	1.024	ug/L	96
16) Methylene chloride	4.92	84	9853	1.581	ug/L	98
42) cis-1,3-Dichloropropene	10.04	75	4272	0.526	ug/L #	64
43) 4-Methyl-2-pentanone	10.21	43	5209	1.646	ug/L	96
45) trans-1,3-Dichloropropene	10.58	75	2488	0.357	ug/L #	53
47) Tetrachloroethene	10.87	164	19535	3.523	ug/L	93
49) 2-Hexanone	10.93	43	4515	2.367	ug/L #	62
59) 1,2,3-Trichloropropane	13.56	75	20135	5.483	ug/L	92

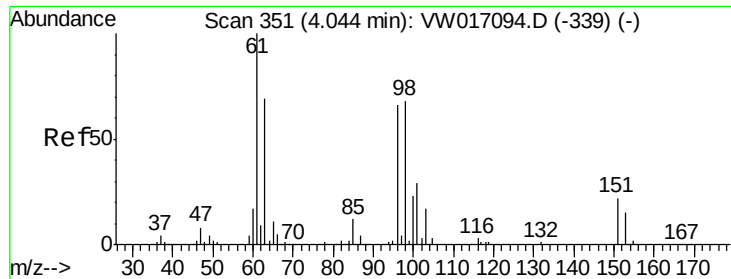
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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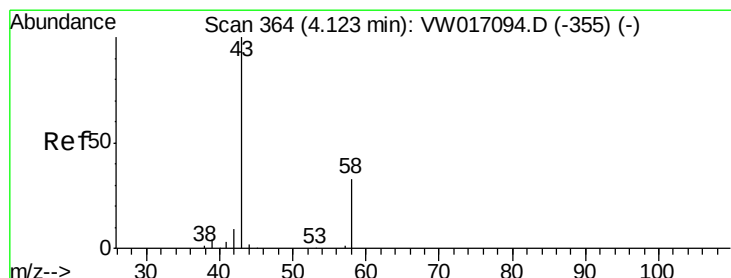
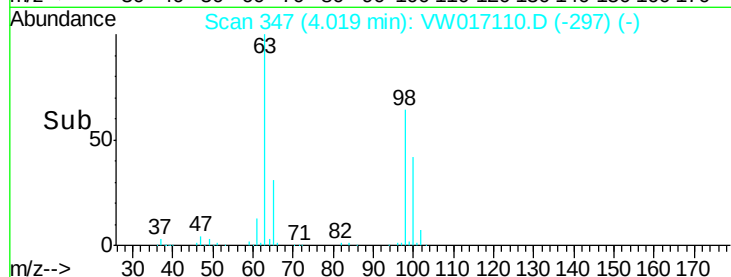
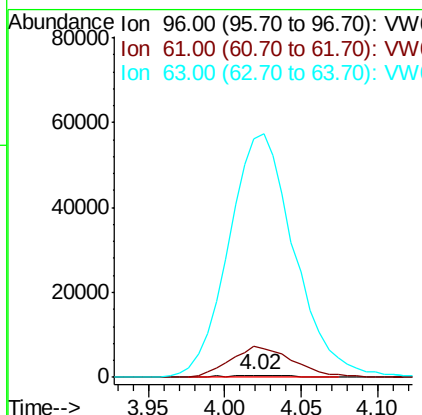
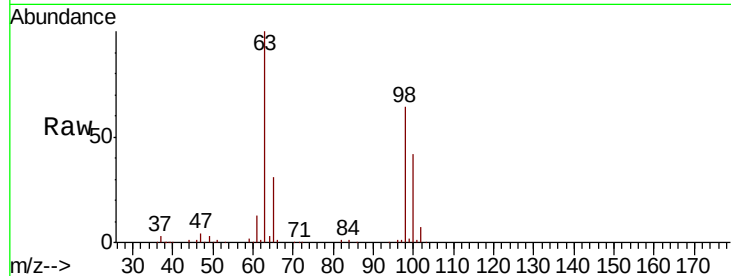




#12
 1,1-Dichloroethene
 Concen: 0.276 ug/L
 RT: 4.02 min Scan# 347
 Delta R.T. -0.02 min
 Lab File: VW017110.D
 Acq: 06 Nov 2020 18:58

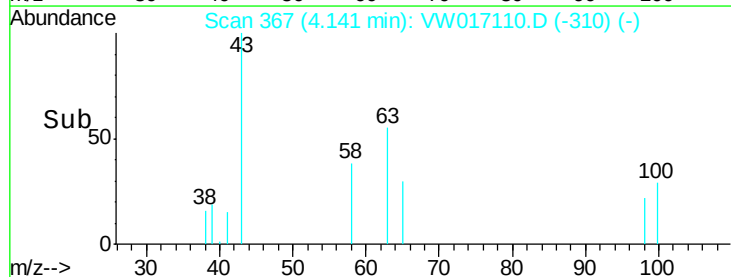
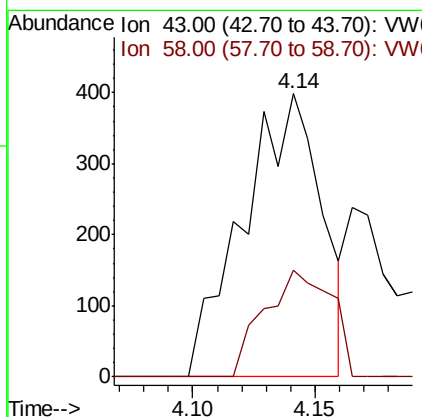
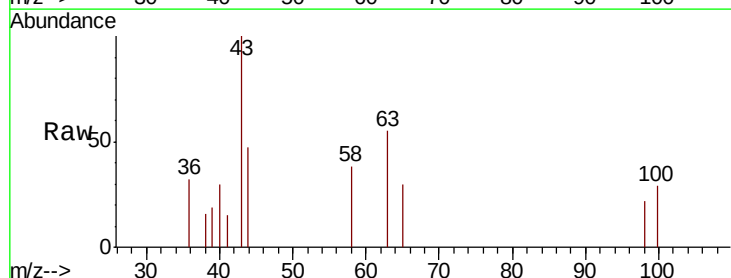
Instrument :
 MSVOA_W
 ClientSampled :

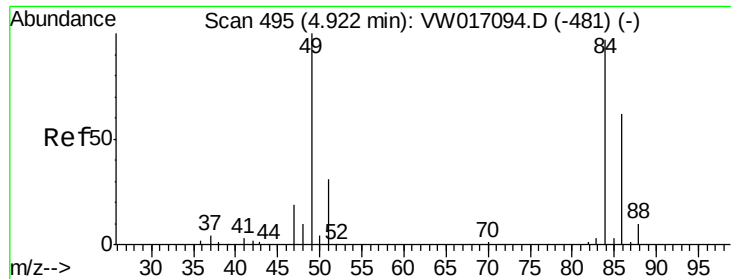
Tot Ion: 96 Resp: 1581
 Ion Ratio Lower Upper
 96 100
 61 1327.5 103.8 192.8#
 63 10251.4 84.4 156.7#



#13
 Acetone
 Concen: 1.024 ug/L
 RT: 4.14 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VW017110.D
 Acq: 06 Nov 2020 18:58

Tgt Ion: 43 Resp: 893
 Ion Ratio Lower Upper
 43 100
 58 32.0 0.0 69.2

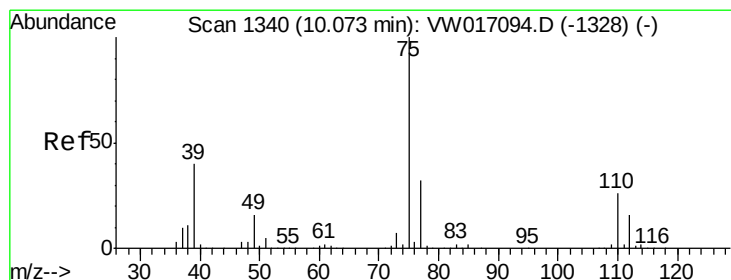
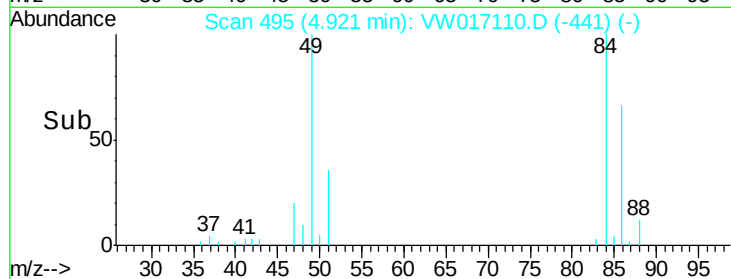
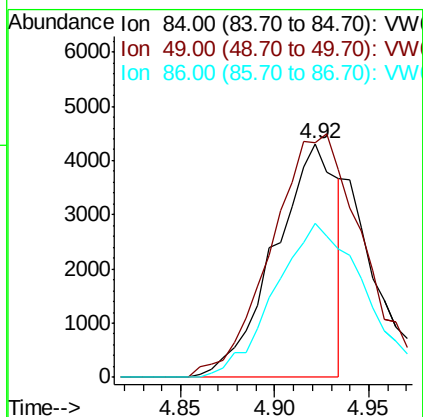
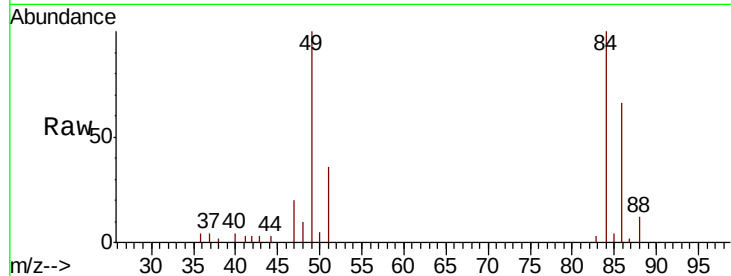




#16
Methylene chloride
Concen: 1.581 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017110.D
Acq: 06 Nov 2020 18:58

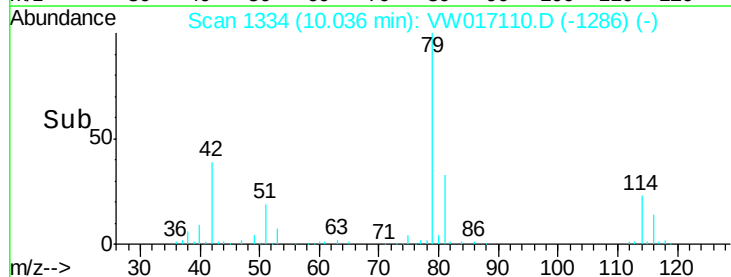
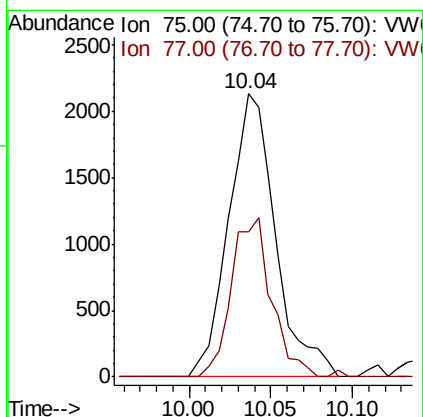
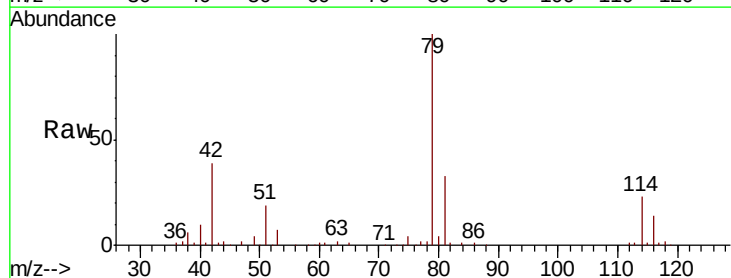
Instrument :
MSVOA_W
ClientSampled :

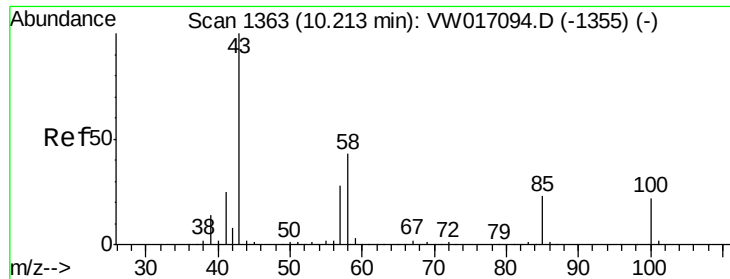
Tot Ion: 84 Resp: 9853
Ion Ratio Lower Upper
84 100
49 100.2 72.3 134.3
86 65.7 45.1 83.7



#42
cis-1,3-Dichloropropene
Concen: 0.526 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW017110.D
Acq: 06 Nov 2020 18:58

Tgt Ion: 75 Resp: 4272
Ion Ratio Lower Upper
75 100
77 51.4 22.0 41.0#





#43

4-Methyl-2-pentanone

Concen: 1.646 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017110.D

Acq: 06 Nov 2020 18:58

Instrument :

MSVOA_W

ClientSampleId :

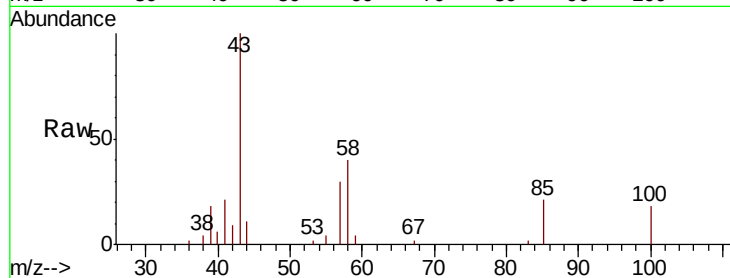
Tot Ion: 43 Resp: 5209

Ion Ratio Lower Upper

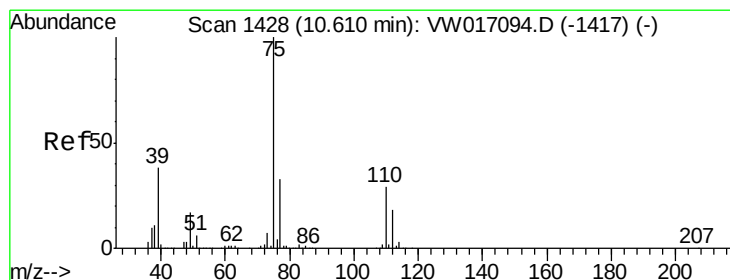
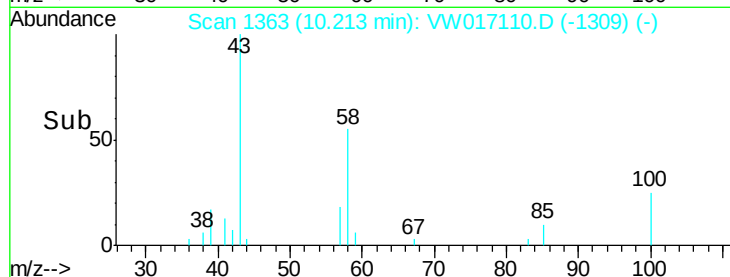
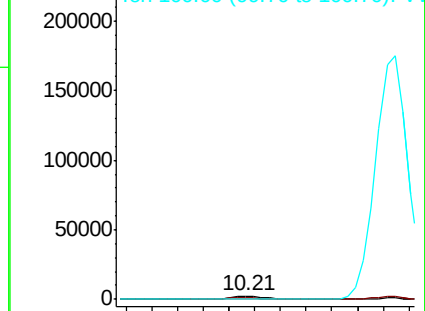
43 100

58 40.9 35.0 52.6

100 18.6 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: 0.357 ug/L

RT: 10.58 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017110.D

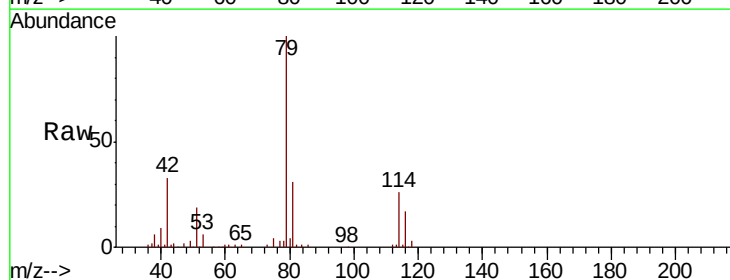
Acq: 06 Nov 2020 18:58

Tgt Ion: 75 Resp: 2488

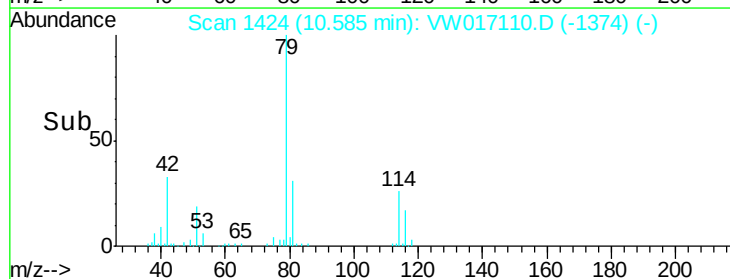
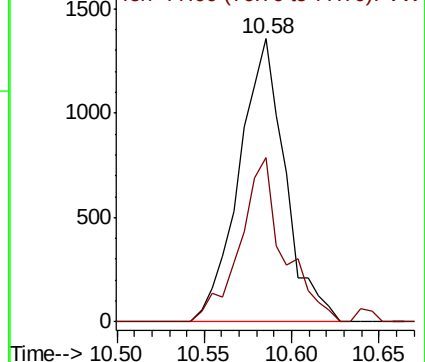
Ion Ratio Lower Upper

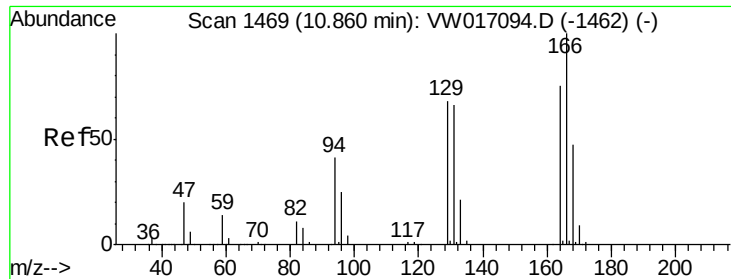
75 100

77 57.8 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 77.00 (76.70 to 77.70): VW

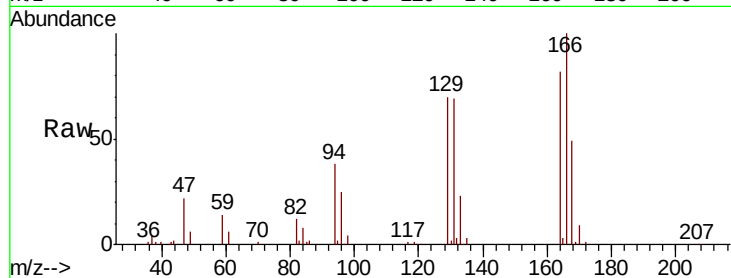




#47
Tetrachloroethene
Concen: 3.523 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW017110.D
Acq: 06 Nov 2020 18:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	164	Resp:	19535
Ion	Ratio	Lower	Upper
164	100		
129	84.6	62.9	116.7
131	84.3	63.3	117.5
166	121.5	92.0	170.8



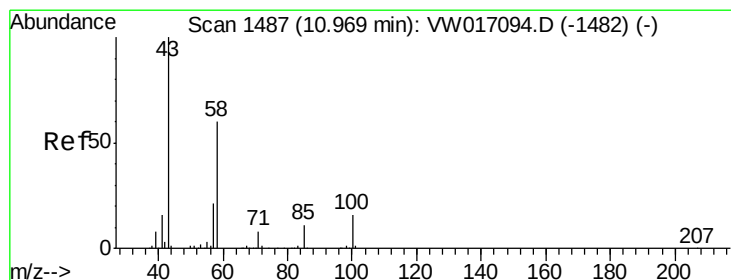
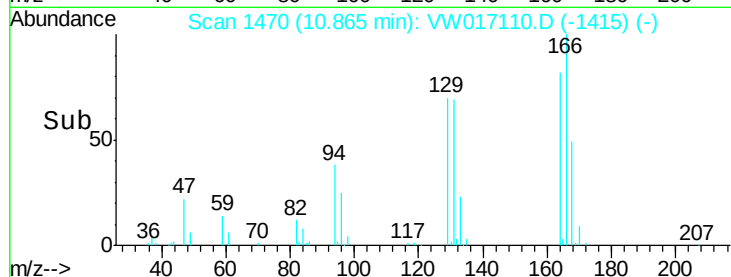
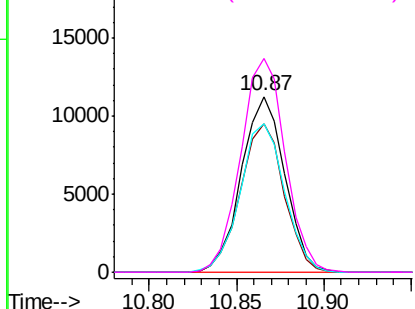
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

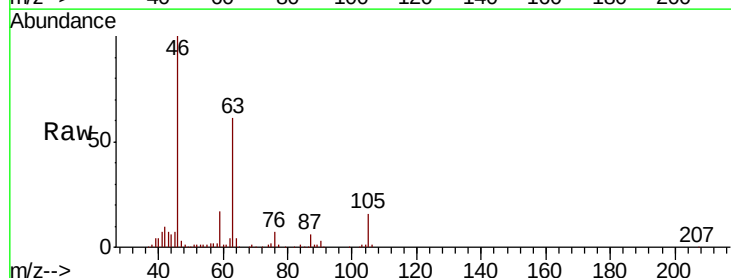
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49
2-Hexanone
Concen: 2.367 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW017110.D
Acq: 06 Nov 2020 18:58

Tgt Ion:	43	Resp:	4515
Ion	Ratio	Lower	Upper
43	100		
58	28.3	50.6	75.8#
57	30.9	17.8	26.6#
100	0.0	13.9	20.9#



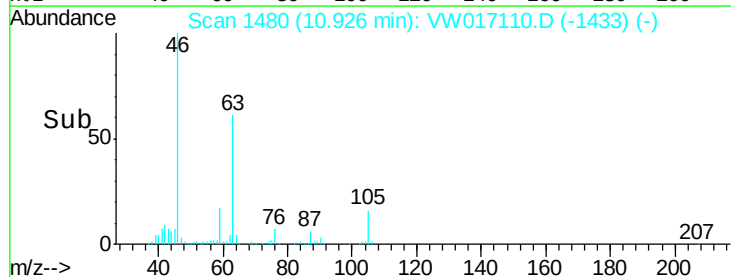
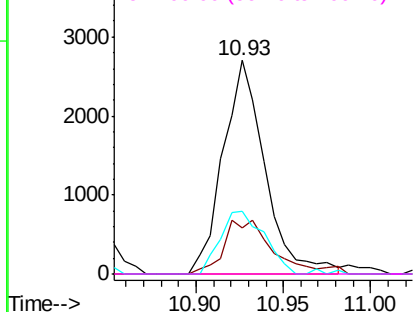
Abundance

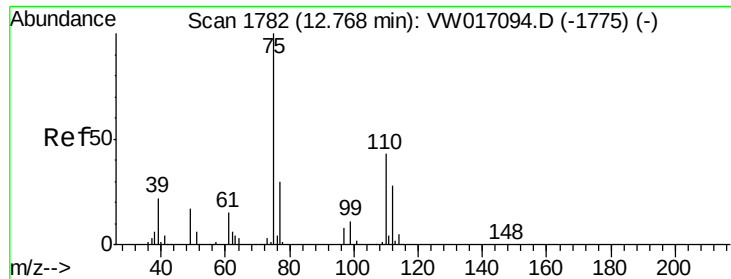
Ion 43.00 (42.70 to 43.70): VW

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: 5.483 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017110.D

Acq: 06 Nov 2020 18:58

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 20135

Ion Ratio Lower Upper

75 100

77 37.4 26.4 39.6

