

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110920\
 Data File : VW017120.D
 Acq On : 09 Nov 2020 17:05
 Operator : SY/VA
 Sample : L4673-03
 Misc : 6.21G/10ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB0S4

Quant Time: Nov 10 08:00:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 10 07:51:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	557070	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	507815	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	243634	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	148022	21.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.40%
7) Chloroethane-d5	2.89	69	118508	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.68%
10) 1,1-Dichloroethene-d2	4.02	63	201640	16.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.28%
20) 2-Butanone-d5	7.08	46	59590	37.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.96%
24) Chloroform-d	7.65	84	286127	22.00	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	8.31	65	146195	22.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.44%
29) Benzene-d6	8.28	84	586152	22.67	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.68%
33) 1,2-Dichloropropane-d6	9.27	67	163372	22.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.36%
37) Toluene-d8	10.33	98	553029	22.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.72%
38) trans-1,3-Dichloropropene-	10.58	79	70095	21.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.96%
39) 2-Hexanone-d5	10.93	63	51731	41.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132826	21.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.28%
61) 1,2-Dichlorobenzene-d4	13.86	152	203399	23.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.80%

Target Compounds

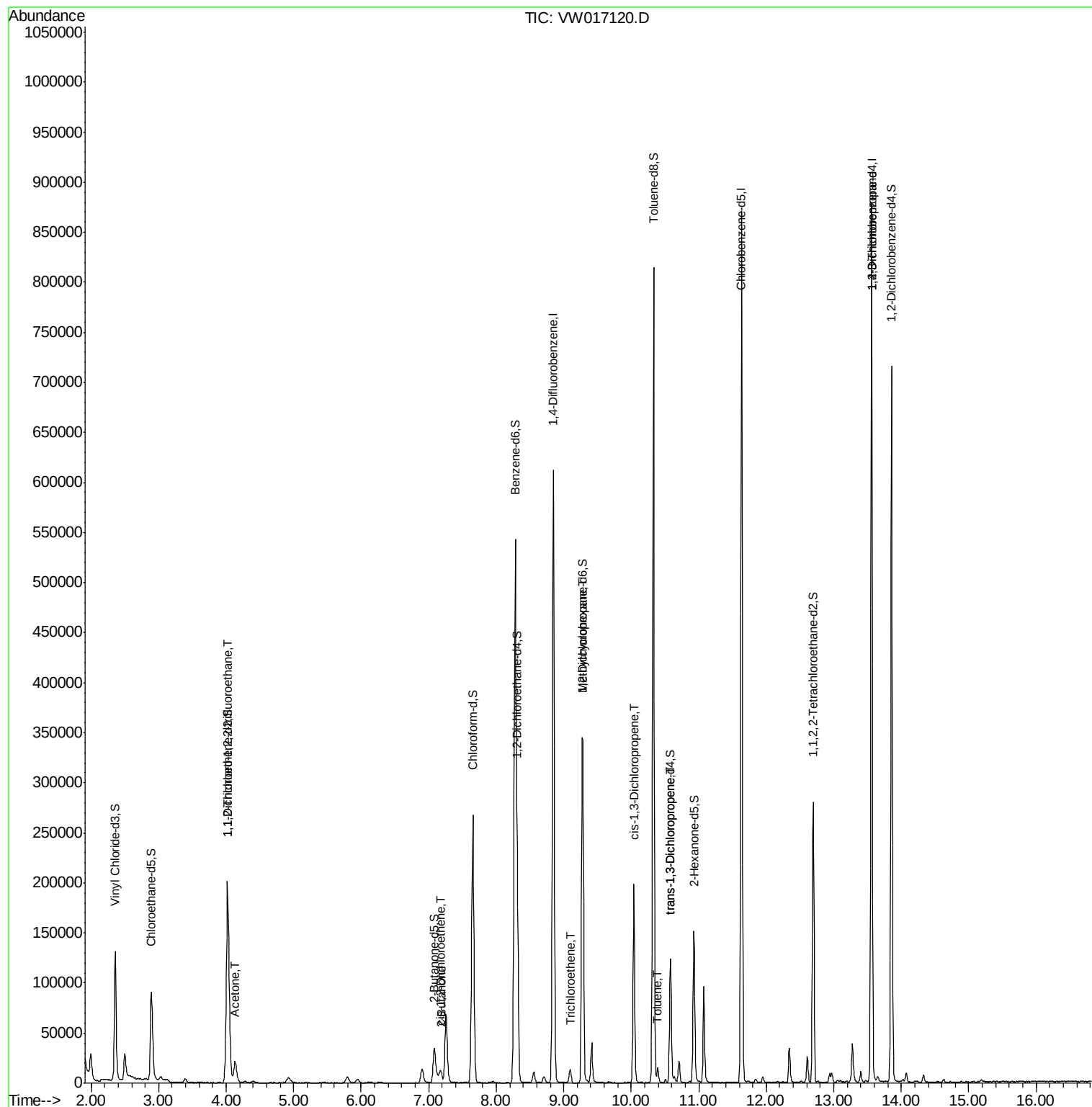
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	2273	0.316	ug/L #	18
13) Acetone	4.14	43	39603	37.695	ug/L	98
21) 2-Butanone	7.19	43	8080	4.790	ug/L	84
22) cis-1,2-Dichloroethene	7.17	96	3579	0.473	ug/L	95
35) Trichloroethene	9.09	95	4233	0.567	ug/L	96
36) Methylcyclohexane	9.28	83	43066	3.583	ug/L #	22
42) cis-1,3-Dichloropropene	10.04	75	5286	0.535	ug/L #	72
44) Toluene	10.39	91	10975	0.374	ug/L	96
45) trans-1,3-Dichloropropene	10.58	75	3001	0.354	ug/L #	77
59) 1,2,3-Trichloropropane	13.56	75	25194	5.646	ug/L	91

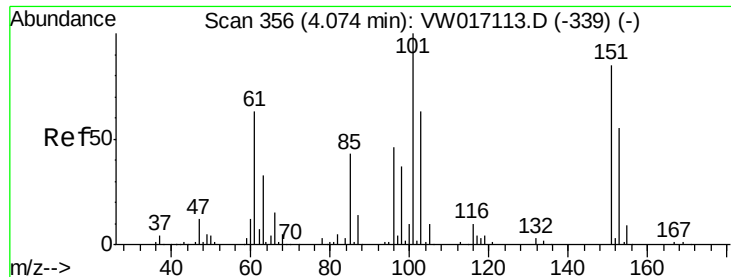
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 10 07:51:56 2020
Response via : Initial Calibration





#11

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

Concen: 0.316 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW017120.D

Acq: 09 Nov 2020 17:05

Instrument :

MSVOA_W

ClientSampleId :

GB0S4

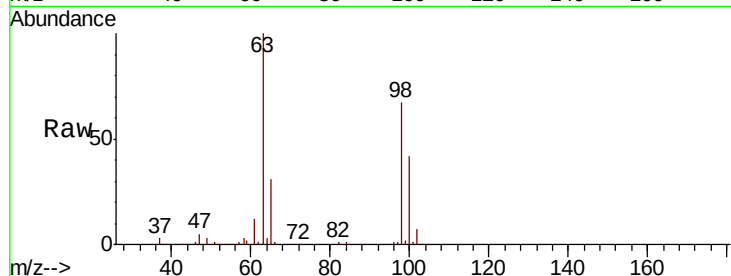
Tot Ion:101 Resp: 2273

Ion Ratio Lower Upper

101 100

85 0.9 32.8 49.2#

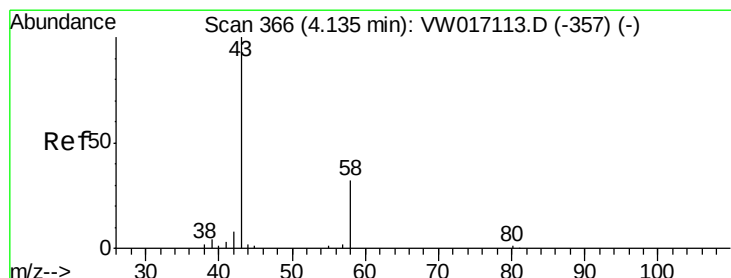
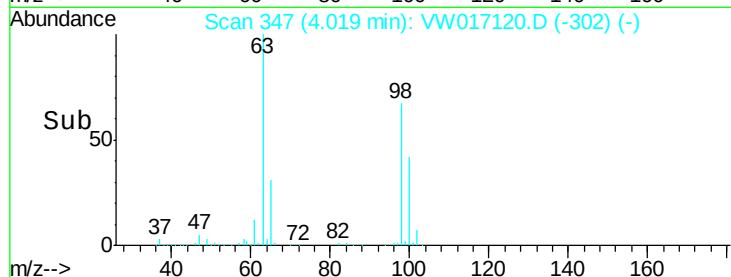
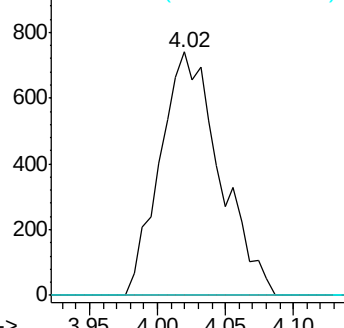
151 0.0 65.4 98.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 37.695 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.00 min

Lab File: VW017120.D

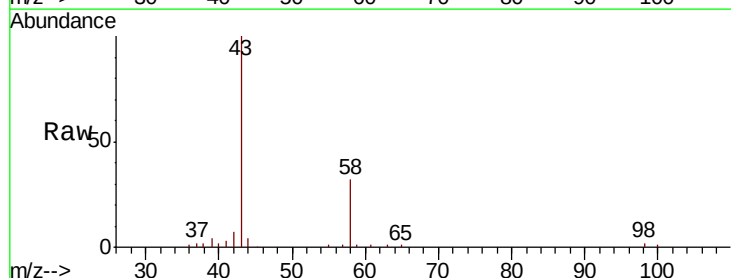
Acq: 09 Nov 2020 17:05

Tgt Ion: 43 Resp: 39603

Ion Ratio Lower Upper

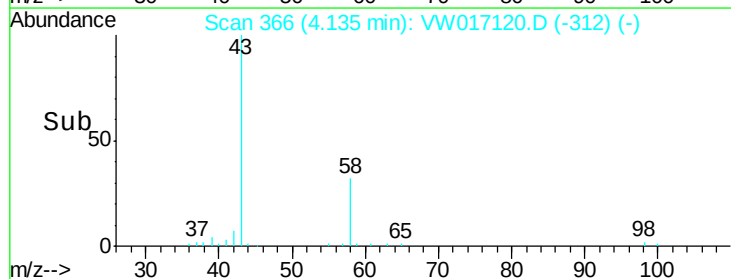
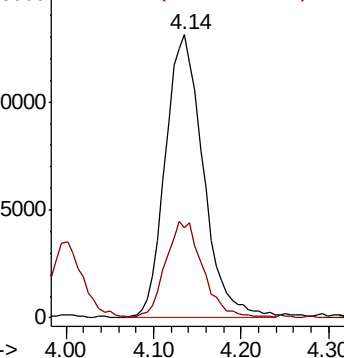
43 100

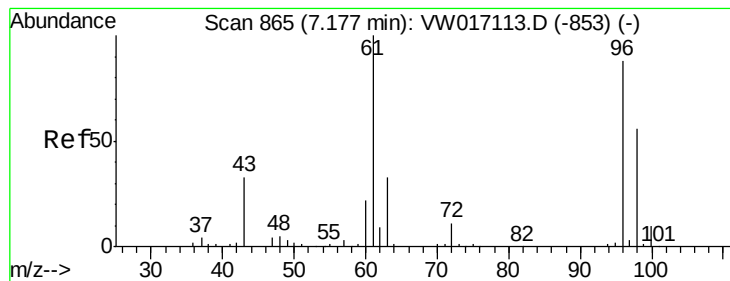
58 33.2 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#21

2-Butanone

Concen: 4.790 ug/L

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW017120.D

Acq: 09 Nov 2020 17:05

Instrument :

MSVOA_W

ClientSampled :

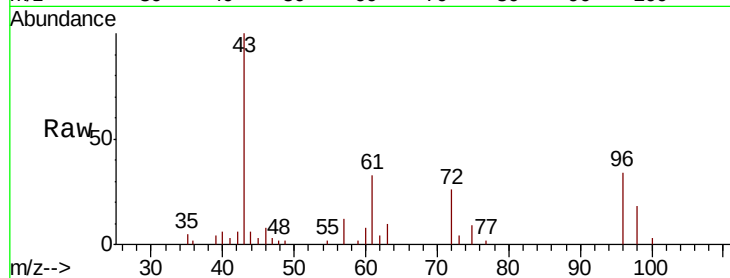
GB0S4

Tot Ion: 43 Resp: 8080

Ion Ratio Lower Upper

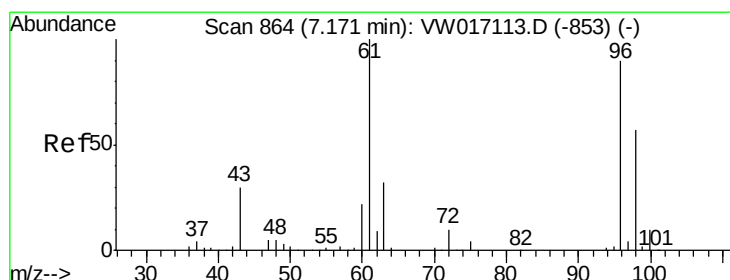
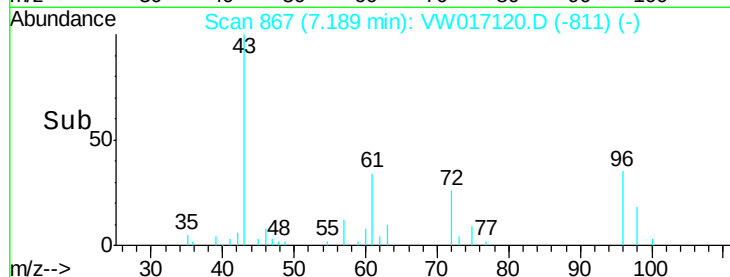
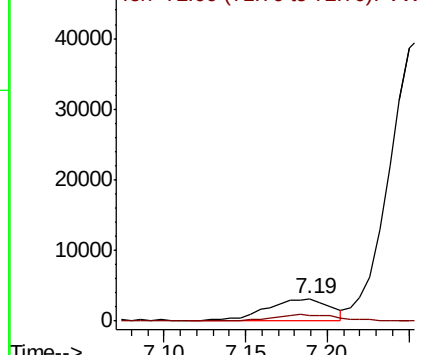
43 100

72 23.5 16.1 48.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#22

cis-1,2-Dichloroethene

Concen: 0.473 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017120.D

Acq: 09 Nov 2020 17:05

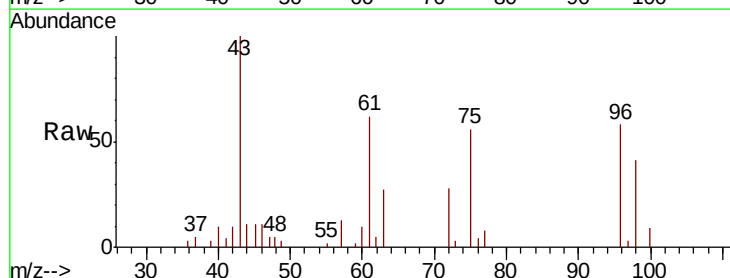
Tgt Ion: 96 Resp: 3579

Ion Ratio Lower Upper

96 100

61 107.9 77.4 143.8

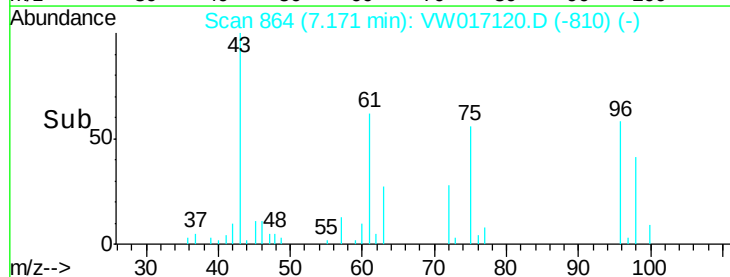
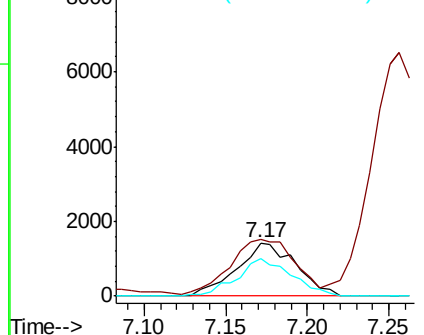
98 71.8 45.1 83.7

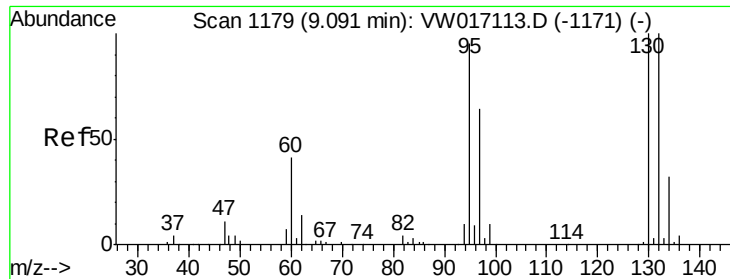


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

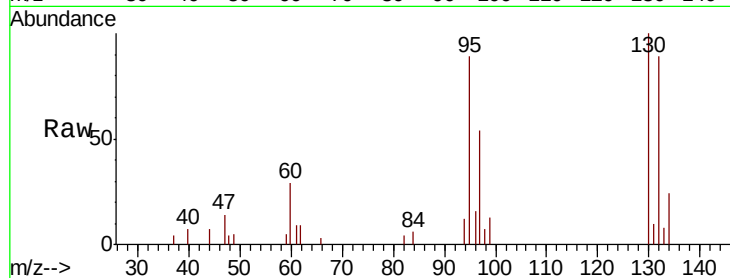




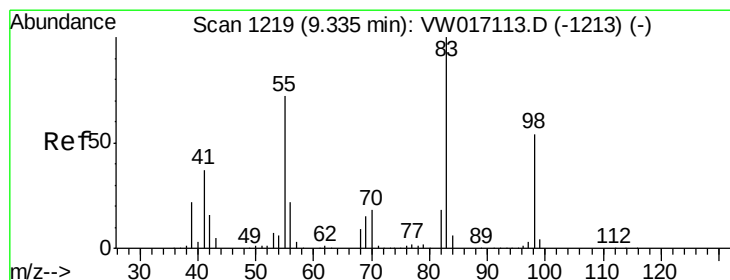
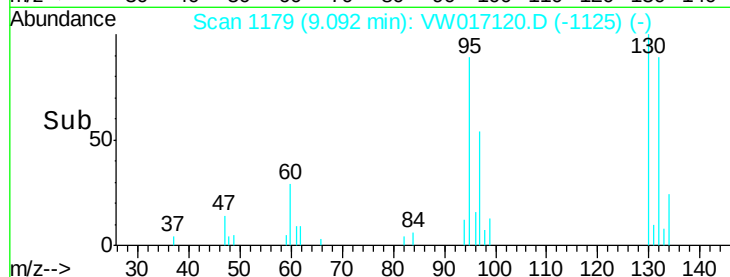
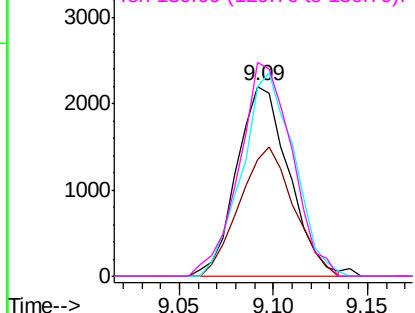
#35
 Trichloroethene
 Concen: 0.567 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017120.D
 Acq: 09 Nov 2020 17:05

Instrument :
 MSVOA_W
 ClientSampled :
 GB0S4

Tot Ion: 95 Resp: 4233
 Ion Ratio Lower Upper
 95 100
 97 70.2 45.0 83.6
 132 106.8 73.7 136.9
 130 113.5 77.1 143.1

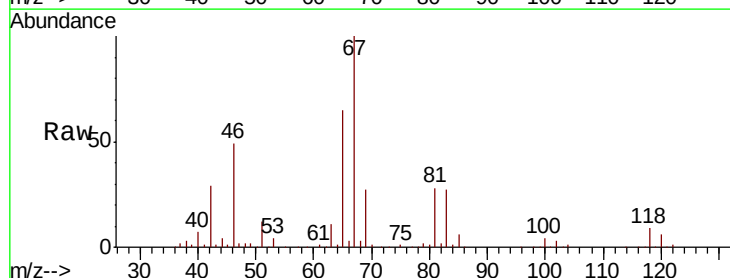


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

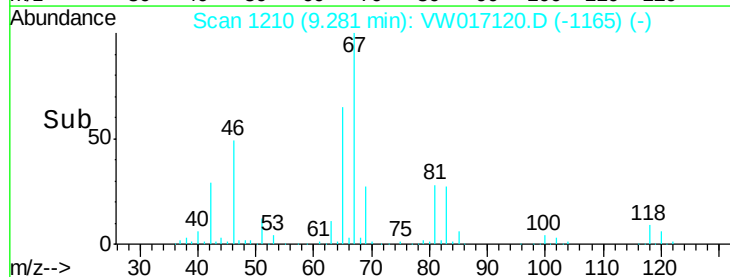
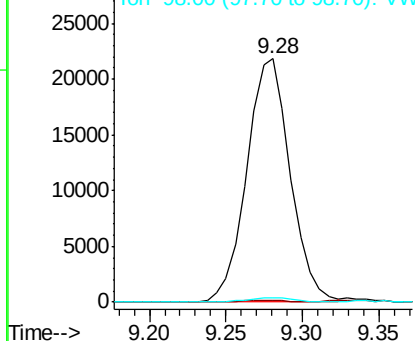


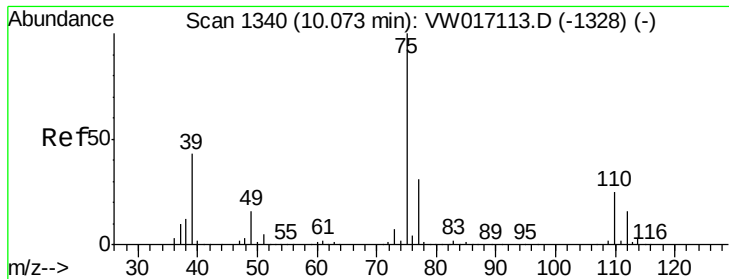
#36
 Methylcyclohexane
 Concen: 3.583 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.05 min
 Lab File: VW017120.D
 Acq: 09 Nov 2020 17:05

Tgt Ion: 83 Resp: 43066
 Ion Ratio Lower Upper
 83 100
 55 0.7 54.4 81.6#
 98 1.7 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





#42

cis-1,3-Dichloropropene

Concen: 0.535 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017120.D

Acq: 09 Nov 2020 17:05

Instrument :

MSVOA_W

ClientSampled :

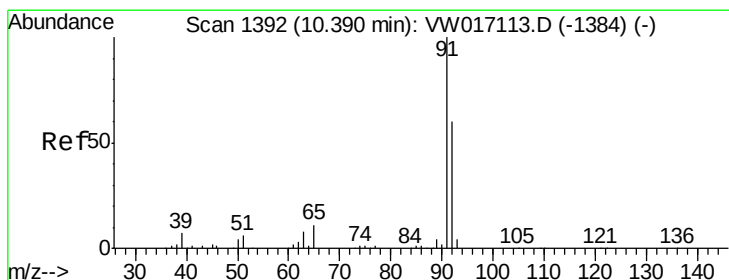
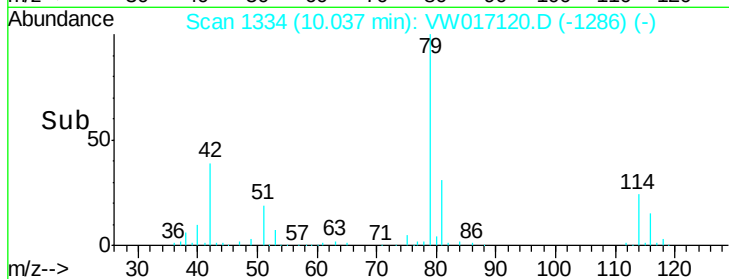
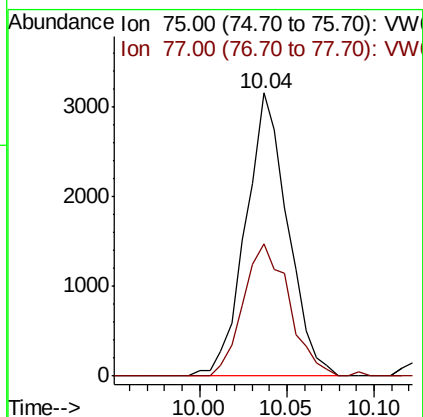
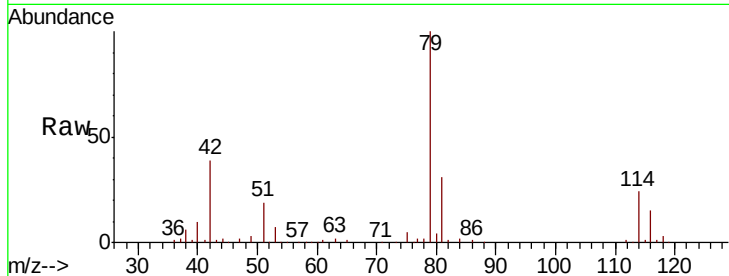
GB0S4

Tot Ion: 75 Resp: 5286

Ion Ratio Lower Upper

75 100

77 46.8 22.0 41.0#



#44

Toluene

Concen: 0.374 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017120.D

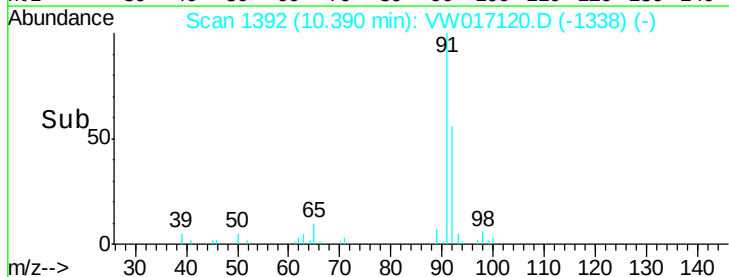
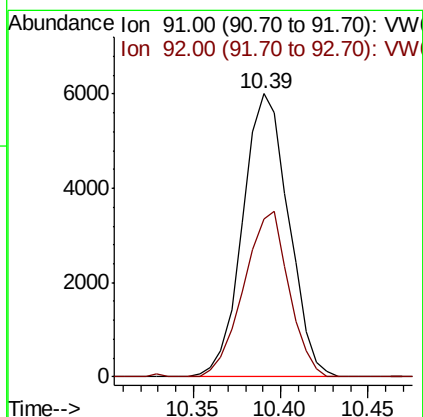
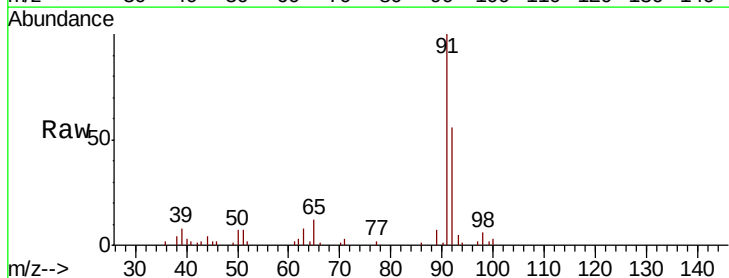
Acq: 09 Nov 2020 17:05

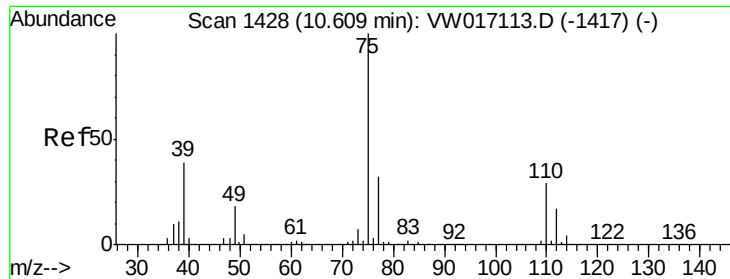
Tgt Ion: 91 Resp: 10975

Ion Ratio Lower Upper

91 100

92 56.0 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 0.354 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017120.D

Acq: 09 Nov 2020 17:05

Instrument :

MSVOA_W

ClientSampleId :

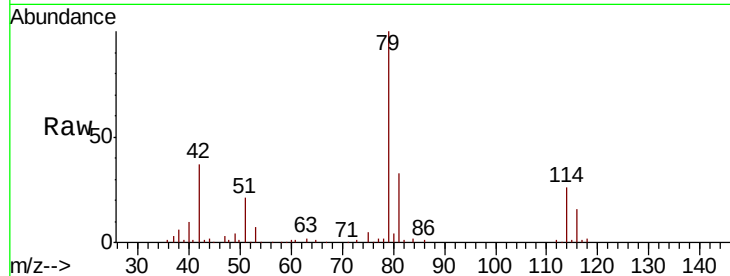
GB0S4

Tot Ion: 75 Resp: 3001

Ion Ratio Lower Upper

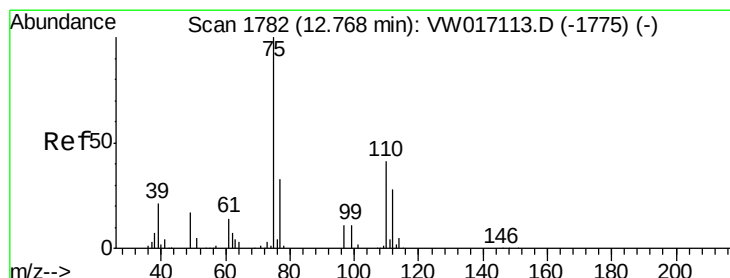
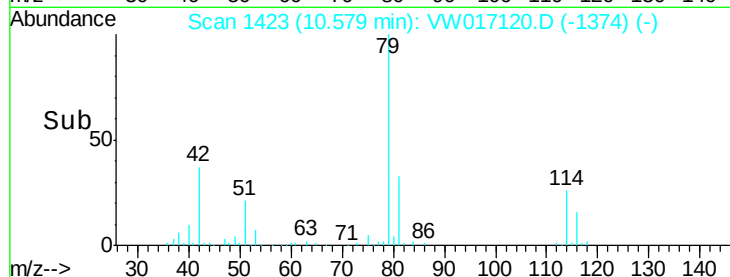
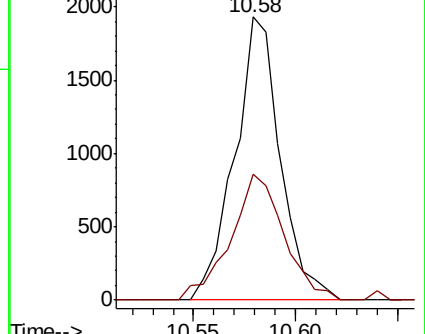
75 100

77 44.4 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: 5.646 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017120.D

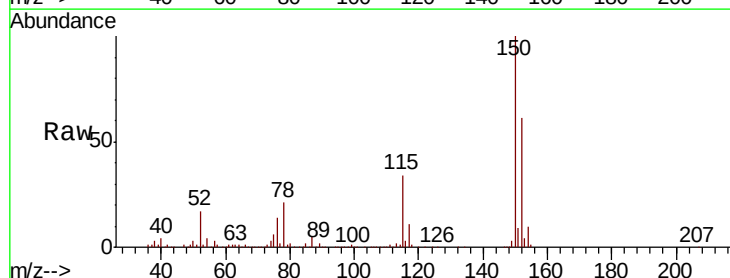
Acq: 09 Nov 2020 17:05

Tgt Ion: 75 Resp: 25194

Ion Ratio Lower Upper

75 100

77 38.2 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

