

Data File : VW016852.D
Acq On : 08 Oct 2020 14:14
Operator : SY/VA
Sample : L4284-04RE
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W1

Quant Time: Oct 09 08:09:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 08 11:39:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	619084	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	549970	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	259953	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	167163	27.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.48%
7) Chloroethane-d5	2.90	69	137538	26.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.40%
10) 1,1-Dichloroethene-d2	4.02	63	243862	18.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.20%
20) 2-Butanone-d5	7.09	46	52117	37.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.36%
24) Chloroform-d	7.65	84	328442	25.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.56%
26) 1,2-Dichloroethane-d4	8.31	65	154262	24.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.80%
29) Benzene-d6	8.27	84	679449	27.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.80%
33) 1,2-Dichloropropane-d6	9.27	67	179396	26.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.88%
37) Toluene-d8	10.32	98	640156	27.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.64%
38) trans-1,3-Dichloropropene-	10.58	79	70144	23.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.76%
39) 2-Hexanone-d5	10.93	63	43499	41.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	116794	21.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	213175	25.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.40%

Target Compounds

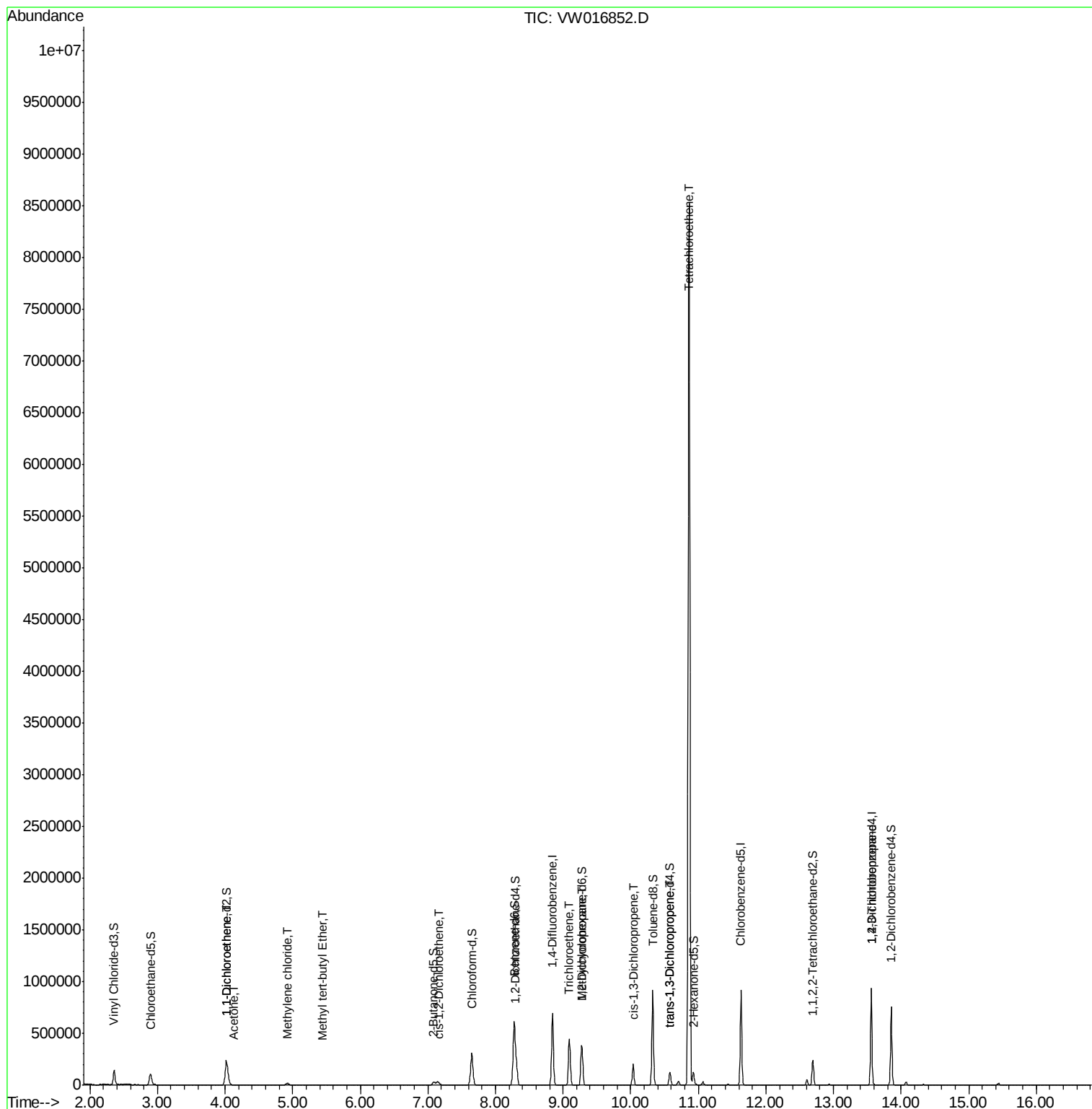
					Qvalue	
12) 1,1-Dichloroethene	4.02	96	2824	0.353	ug/L #	1
13) Acetone	4.14	43	2145	2.049	ug/L #	22
16) Methylene chloride	4.92	84	13817	1.617	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	2489	0.278	ug/L #	82
22) cis-1,2-Dichloroethene	7.17	96	1986	0.233	ug/L #	70
35) Trichloroethene	9.09	95	153281	18.348	ug/L	98
36) Methylcyclohexane	9.27	83	47830	3.405	ug/L #	22
42) cis-1,3-Dichloropropene	10.04	75	5191	0.488	ug/L #	61
45) trans-1,3-Dichloropropene	10.58	75	3177	0.355	ug/L #	72
47) Tetrachloroethene	10.87	164	2059093	265.857	ug/L	100
59) 1,2,3-Trichloropropane	13.56	75	27057	6.225	ug/L	91

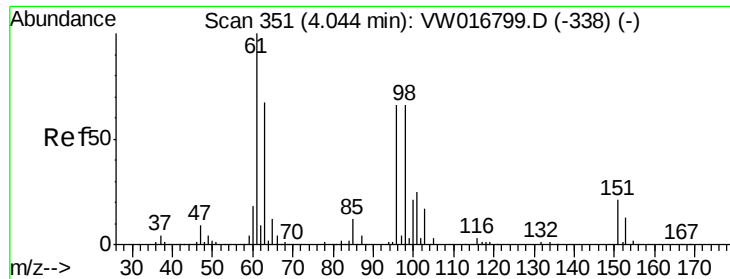
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.353 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.03 min

Lab File: VW016852.D

Acq: 08 Oct 2020 14:14

Instrument :

MSVOA_W

ClientSampled :

BG3W1

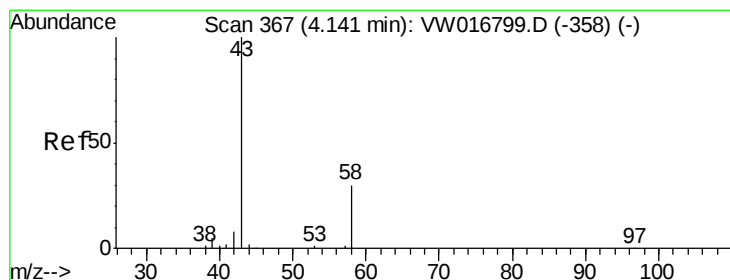
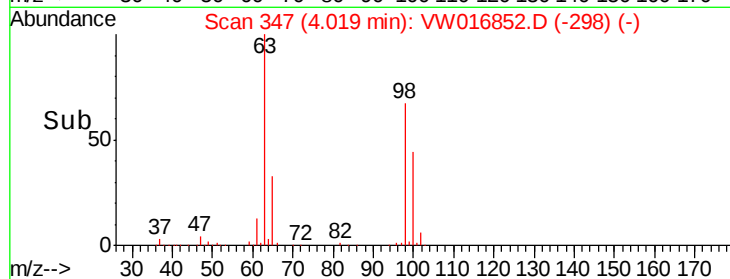
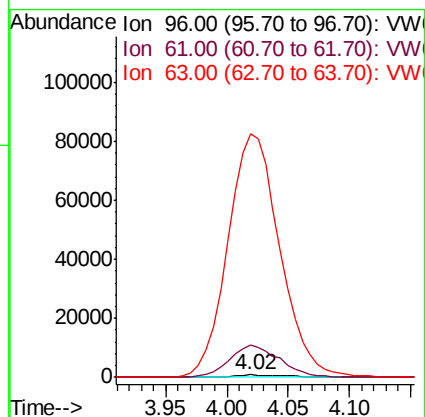
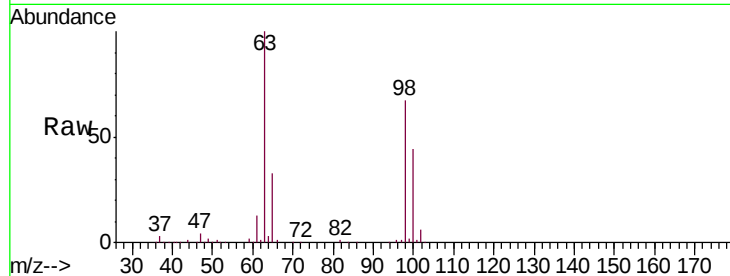
Tgt Ion: 96 Resp: 2824

Ion Ratio Lower Upper

96 100

61 1187.6 105.1 195.1#

63 8852.4 69.9 129.7#



#13

Acetone

Concen: 2.049 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016852.D

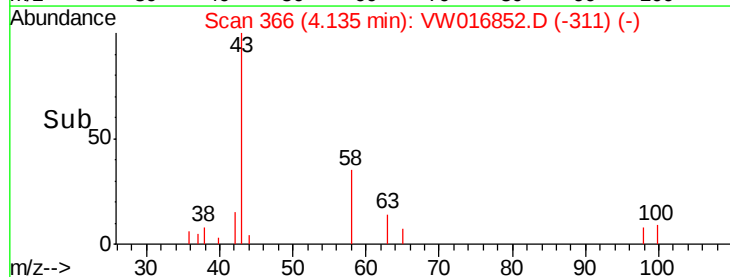
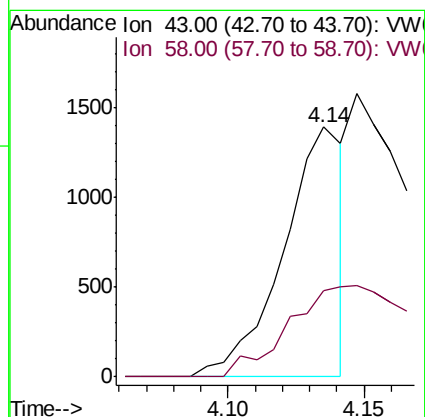
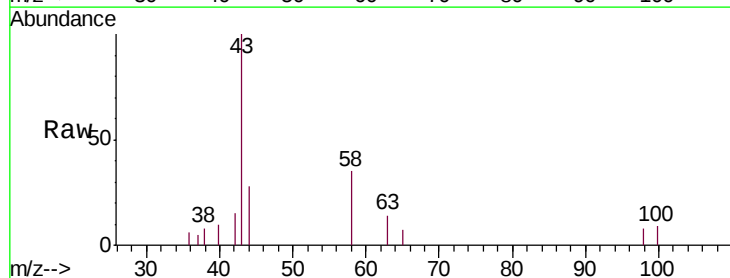
Acq: 08 Oct 2020 14:14

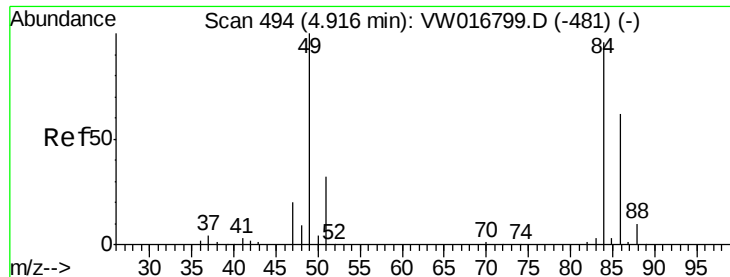
Tgt Ion: 43 Resp: 2145

Ion Ratio Lower Upper

43 100

58 78.4 0.0 67.6#

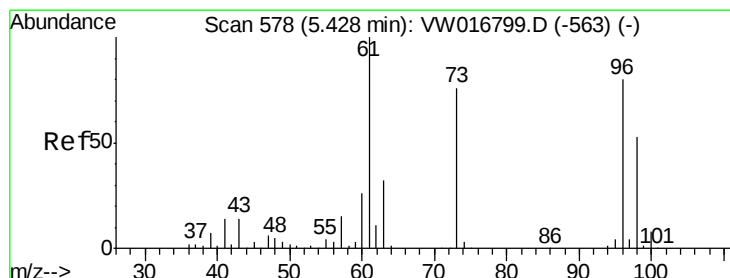
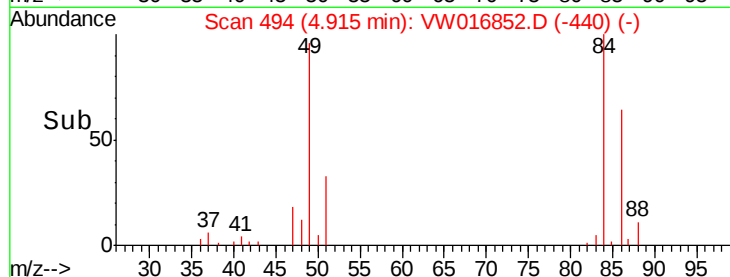
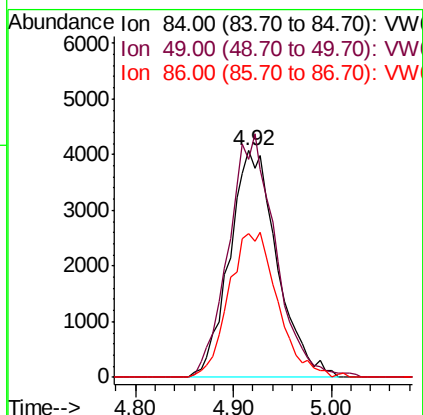
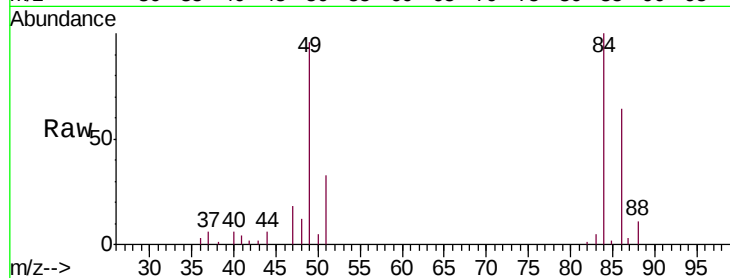




#16
Methylene chloride
Concen: 1.617 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW016852.D
Acq: 08 Oct 2020 14:14

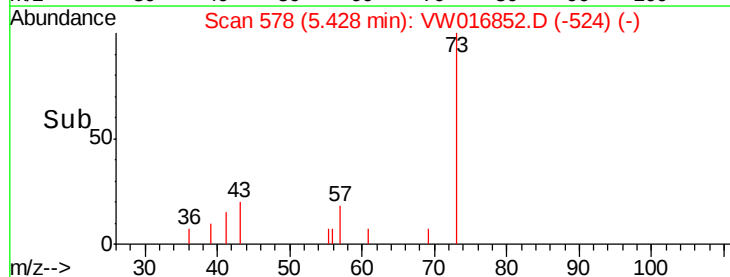
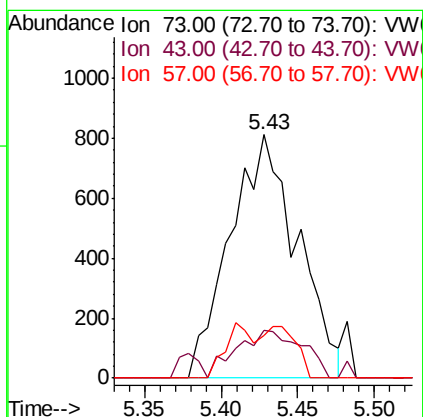
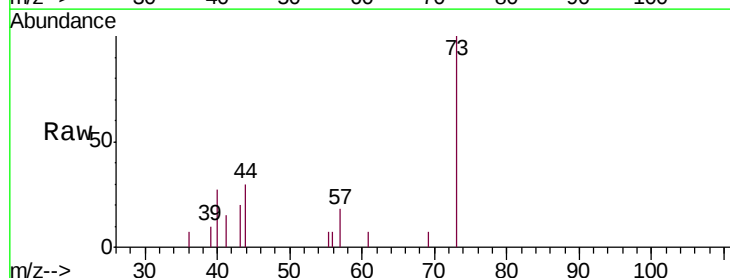
Instrument :
MSVOA_W
ClientSampleId :
BG3W1

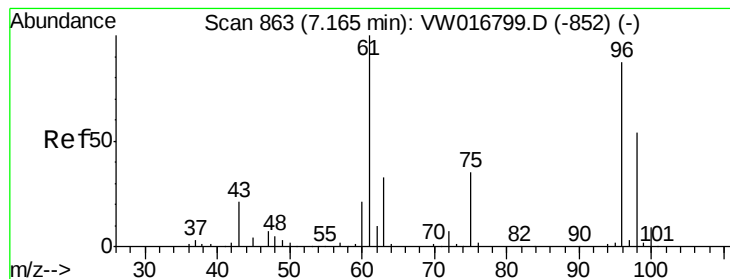
Tgt Ion: 84 Resp: 13817
Ion Ratio Lower Upper
84 100
49 96.3 73.1 135.8
86 63.7 46.0 85.4



#17
Methyl tert-butyl Ether
Concen: 0.278 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016852.D
Acq: 08 Oct 2020 14:14

Tgt Ion: 73 Resp: 2489
Ion Ratio Lower Upper
73 100
43 12.5 15.0 22.4#
57 10.6 16.4 24.6#





#22

cis-1,2-Dichloroethene

Concen: 0.233 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW016852.D

Acq: 08 Oct 2020 14:14

Instrument :

MSVOA_W

ClientSampled :

BG3W1

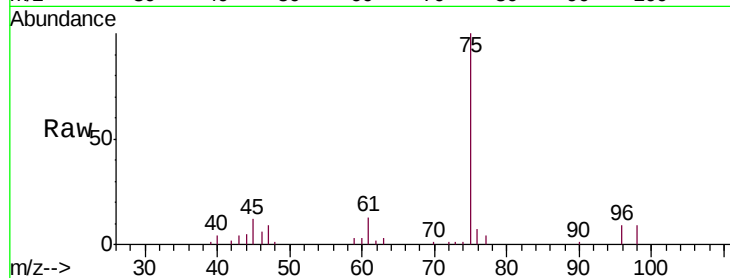
Tgt Ion: 96 Resp: 1986

Ion Ratio Lower Upper

96 100

61 133.6 76.0 141.2

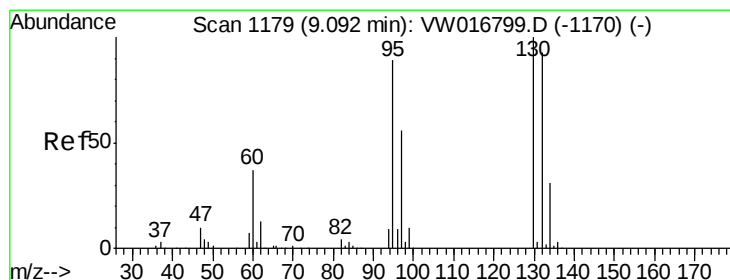
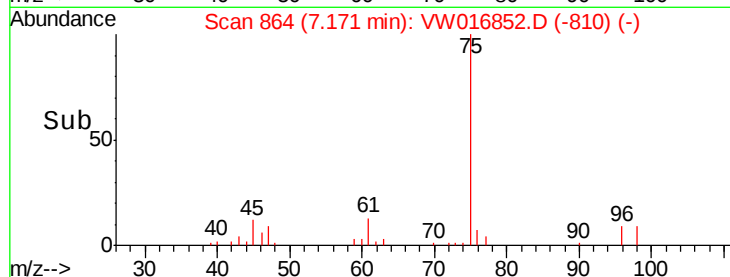
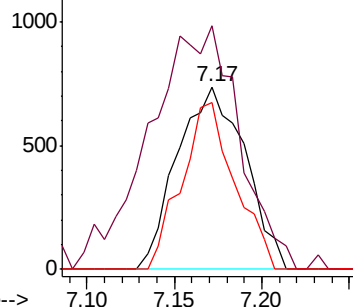
98 91.9 42.7 79.3#



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: 18.348 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016852.D

Acq: 08 Oct 2020 14:14

Tgt Ion: 95 Resp: 153281

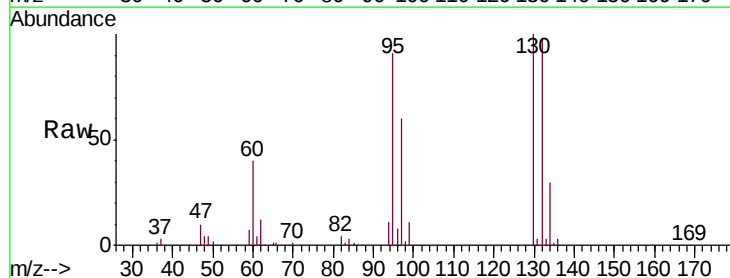
Ion Ratio Lower Upper

95 100

97 63.8 44.7 83.1

132 106.0 73.8 137.2

130 106.7 77.1 143.3

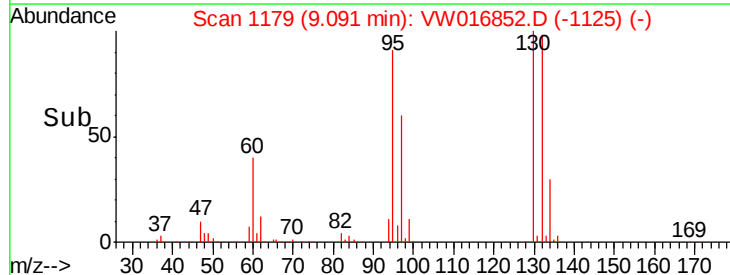
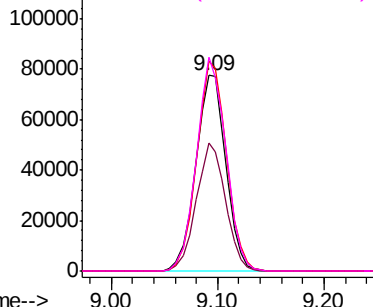


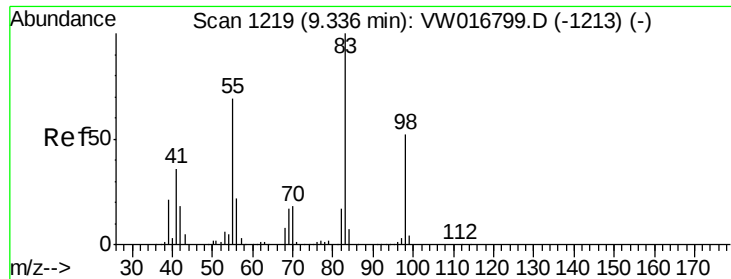
Abundance Ion 95.00 (94.70 to 95.70): VW

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

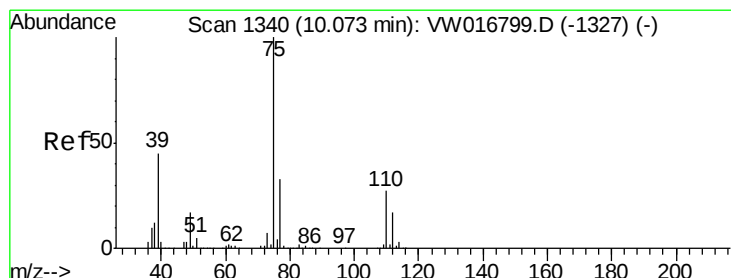
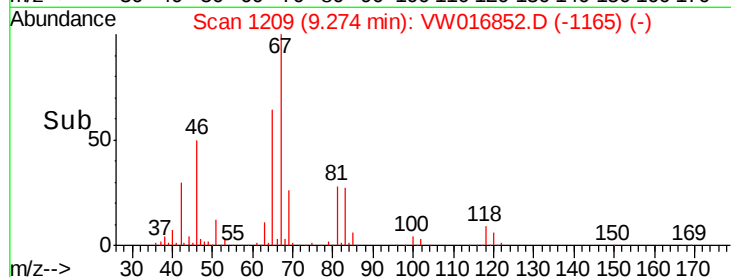
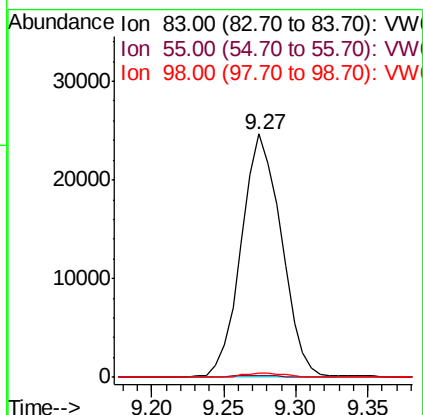
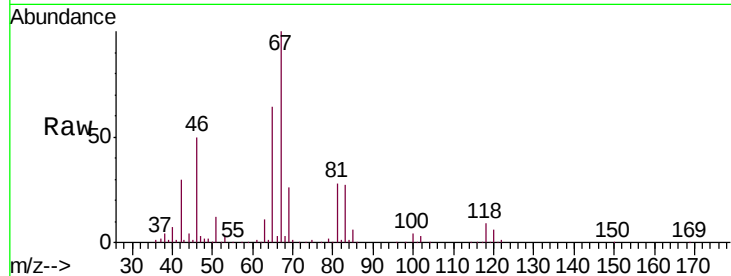




#36
Methylcyclohexane
Concen: 3.405 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW016852.D
Acq: 08 Oct 2020 14:14

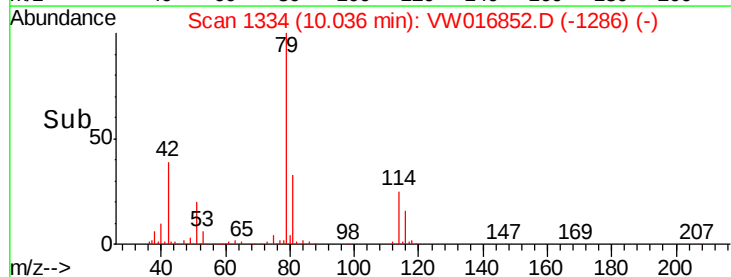
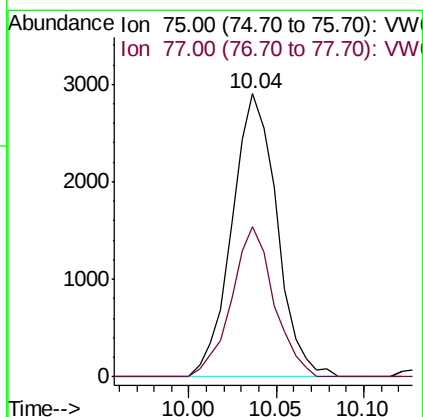
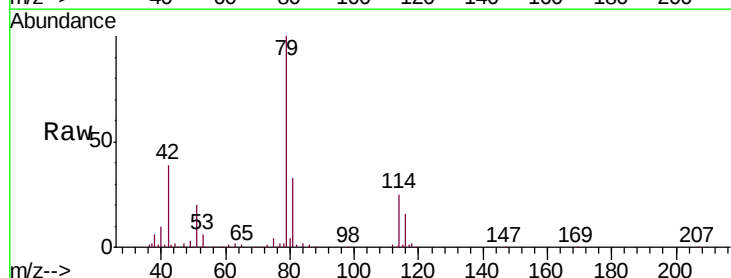
Instrument :
MSVOA_W
ClientSampleId :
BG3W1

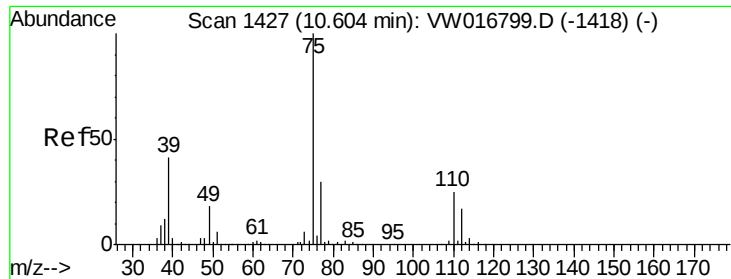
Tgt Ion: 83 Resp: 47830
Ion Ratio Lower Upper
83 100
55 0.8 54.2 81.4#
98 1.7 41.4 62.2#



#42
cis-1,3-Dichloropropene
Concen: 0.488 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW016852.D
Acq: 08 Oct 2020 14:14

Tgt Ion: 75 Resp: 5191
Ion Ratio Lower Upper
75 100
77 53.1 22.1 41.1#





#45

trans-1,3-Dichloropropene

Concen: 0.355 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016852.D

Acq: 08 Oct 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

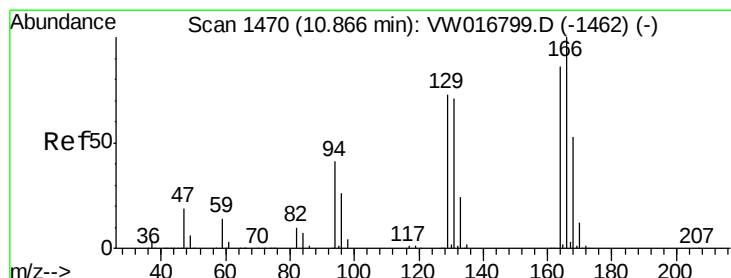
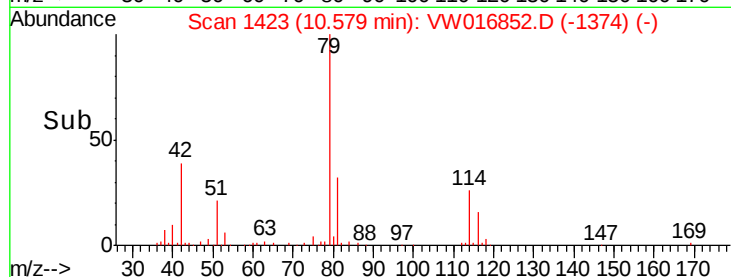
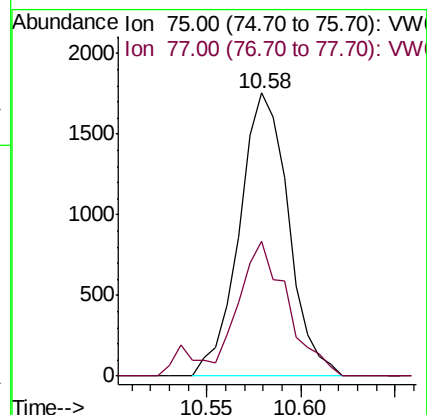
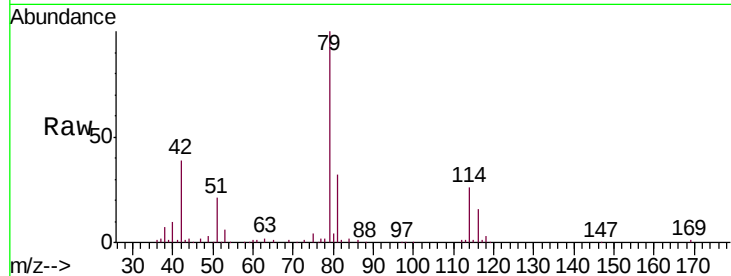
BG3W1

Tgt Ion: 75 Resp: 3177

Ion Ratio Lower Upper

75 100

77 47.5 22.2 41.2#



#47

Tetrachloroethene

Concen: 265.857 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW016852.D

Acq: 08 Oct 2020 14:14

Tgt Ion: 164 Resp: 2059093

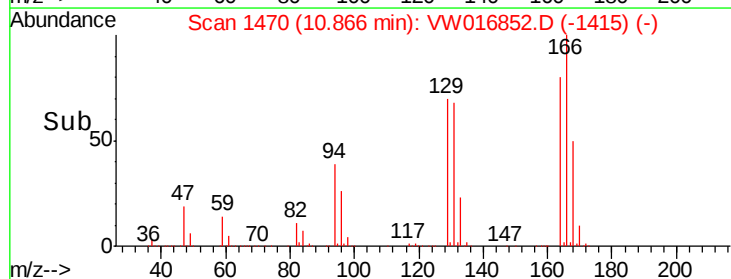
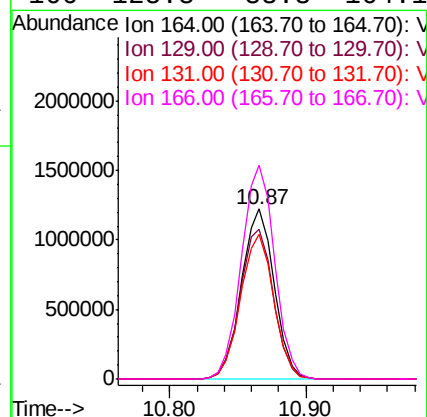
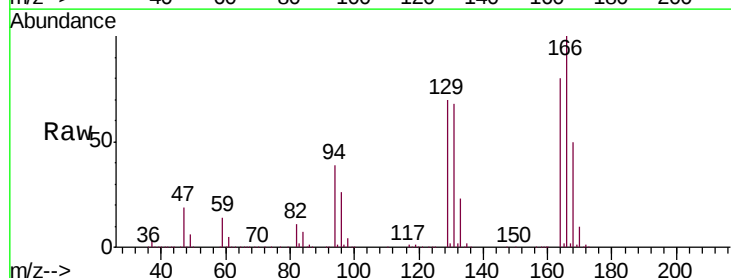
Ion Ratio Lower Upper

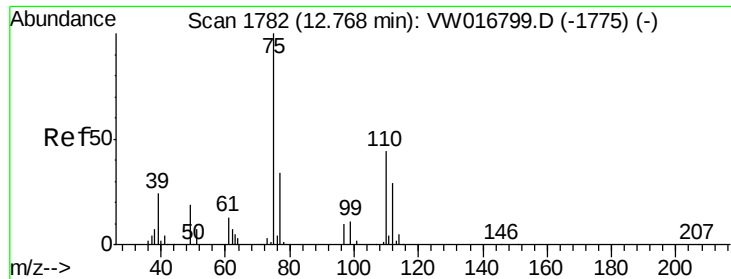
164 100

129 88.3 61.7 114.7

131 85.3 59.7 110.9

166 125.8 88.3 164.1





#59

1,2,3-Trichloropropane

Concen: 6.225 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016852.D

Acq: 08 Oct 2020 14:14

Instrument :

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ClientSampleId :

BG3W1

Tgt Ion: 75 Resp: 27057

Ion Ratio Lower Upper

75 100

77 37.6 26.2 39.2

