

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110220\
 Data File : VW017039.D
 Acq On : 02 Nov 2020 11:51
 Operator : SY/VA
 Sample : L4543-13
 Misc : 4.95G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG471

Quant Time: Nov 03 04:56:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 04:48:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	602865	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	531999	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	239251	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	166609	23.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.80%
7) Chloroethane-d5	2.90	69	137478	25.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.00%
10) 1,1-Dichloroethene-d2	4.02	63	253407	18.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.88%
20) 2-Butanone-d5	7.09	46	53562	40.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.74%
24) Chloroform-d	7.65	84	338015	24.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.24%
26) 1,2-Dichloroethane-d4	8.31	65	152551	23.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.24%
29) Benzene-d6	8.28	84	708234	25.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.68%
33) 1,2-Dichloropropane-d6	9.28	67	189001	25.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.48%
37) Toluene-d8	10.33	98	662501	25.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.00%
38) trans-1,3-Dichloropropene-	10.58	79	72273	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.36%
39) 2-Hexanone-d5	10.93	63	43333	41.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	123274	21.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.76%
61) 1,2-Dichlorobenzene-d4	13.86	152	216925	25.80	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.20%

Target Compounds

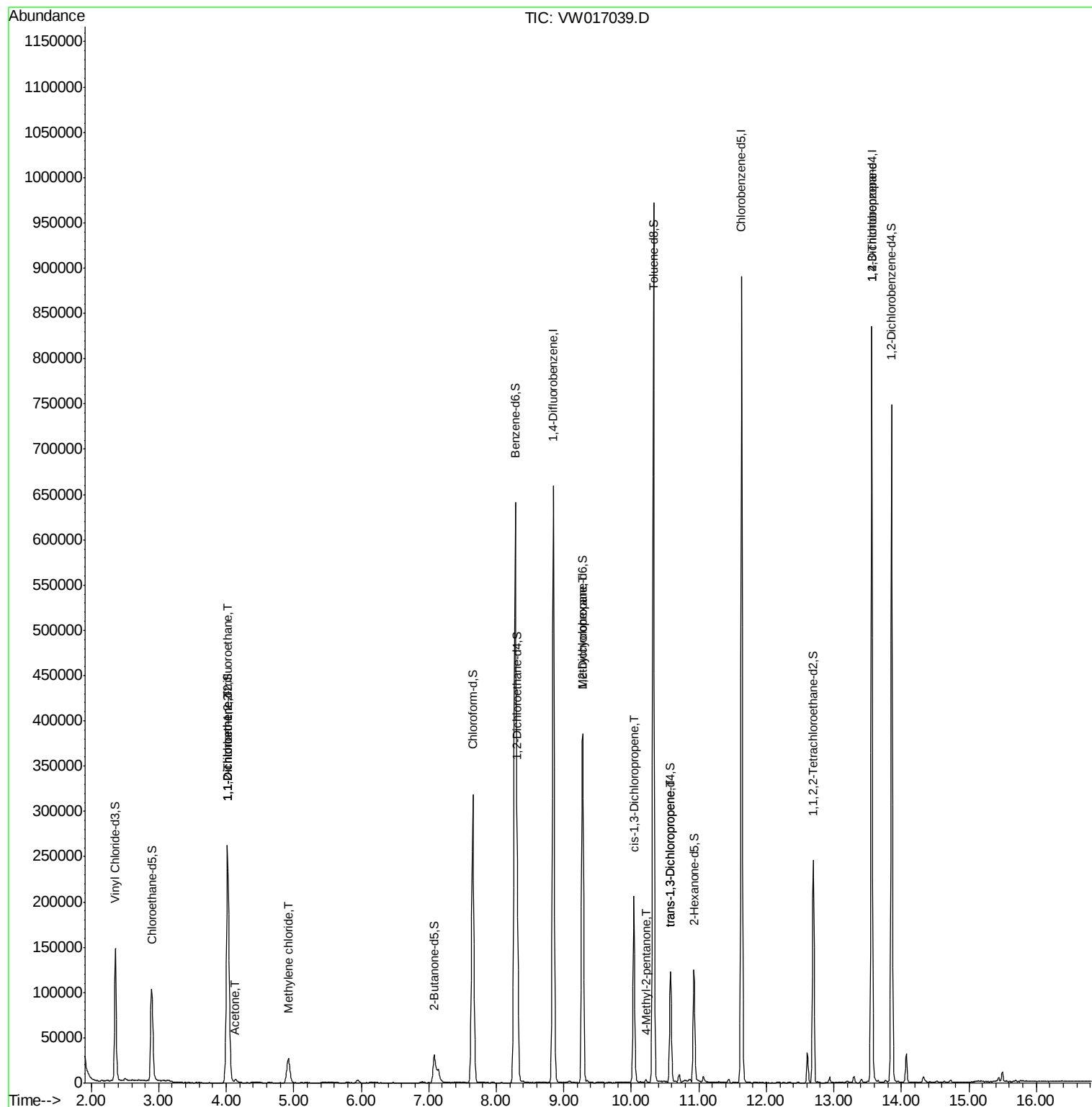
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	2784	0.335	ug/L #	17
12) 1,1-Dichloroethene	4.03	96	2314	0.293	ug/L #	1
13) Acetone	4.14	43	3015	3.419	ug/L	83
16) Methylene chloride	4.92	84	24040	3.016	ug/L	98
36) Methylcyclohexane	9.28	83	49106	3.592	ug/L #	22
42) cis-1,3-Dichloropropene	10.04	75	5213	0.508	ug/L #	52
43) 4-Methyl-2-pentanone	10.22	43	2178	0.700	ug/L #	91
45) trans-1,3-Dichloropropene	10.58	75	3168	0.373	ug/L #	74
59) 1,2,3-Trichloropropane	13.56	75	24398	6.046	ug/L	91

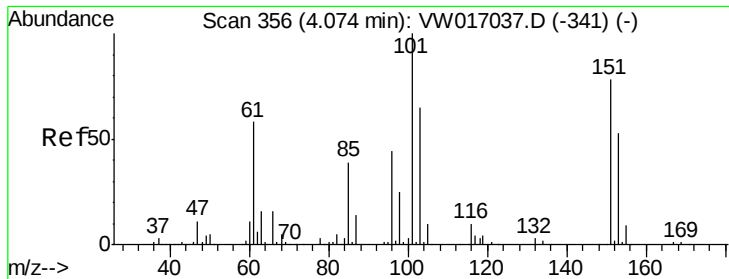
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Nov 03 04:48:47 2020
Response via : Initial Calibration





#11

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

Concen: 0.335 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.05 min

Lab File: VW017039.D

Acq: 02 Nov 2020 11:51

Instrument :

MSVOA_W

ClientSampled :

BG471

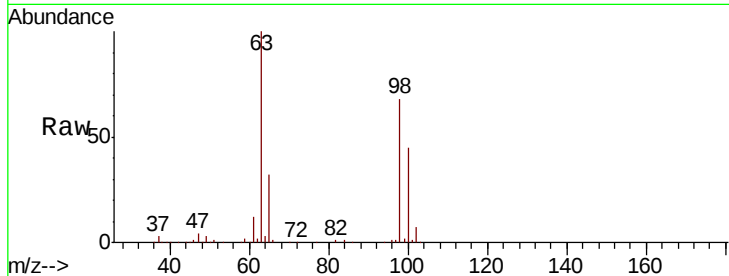
Tot Ion:101 Resp: 2784

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

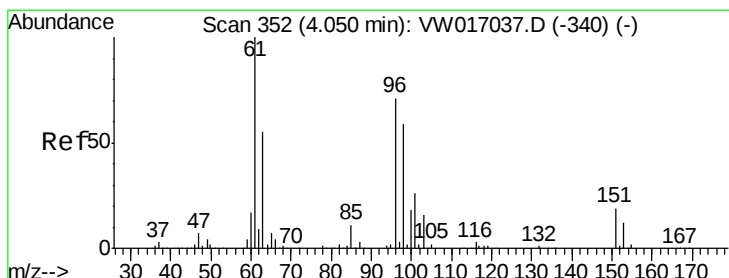
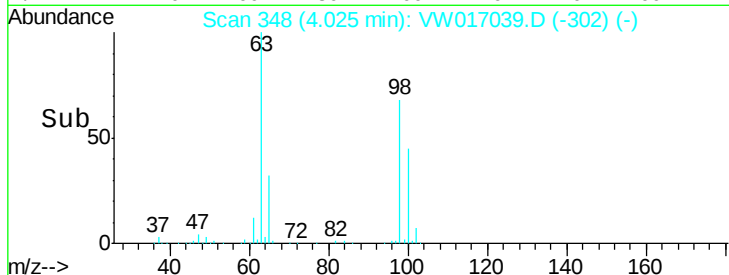
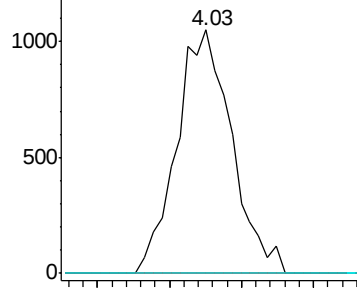
151 0.0 65.7 98.5#



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



#12

1,1-Dichloroethene

Concen: 0.293 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.02 min

Lab File: VW017039.D

Acq: 02 Nov 2020 11:51

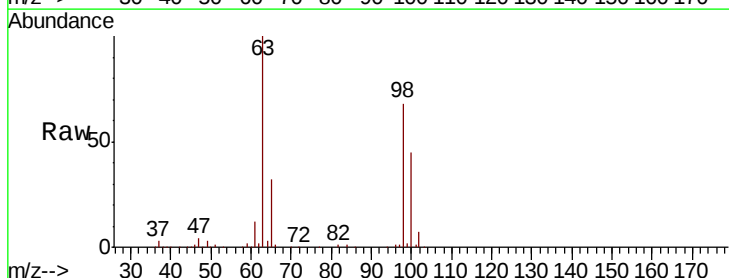
Tgt Ion: 96 Resp: 2314

Ion Ratio Lower Upper

96 100

61 1246.2 101.4 188.4#

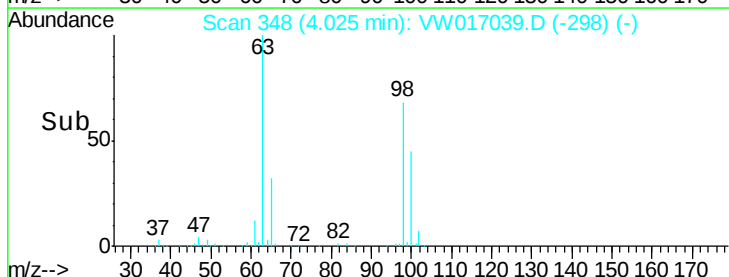
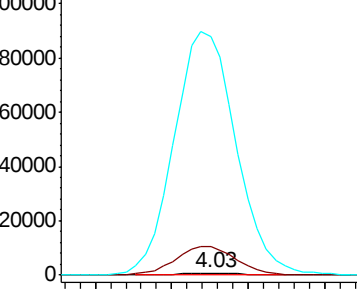
63 10549.5 78.5 145.9#

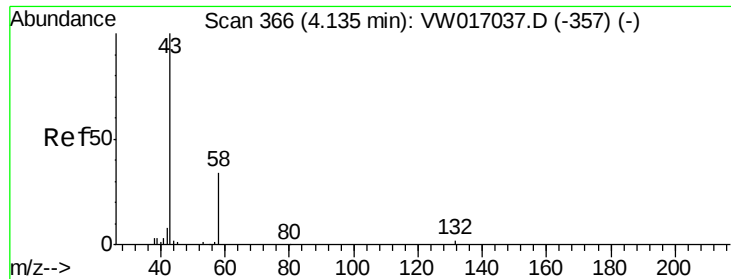


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 3.419 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW017039.D

Acq: 02 Nov 2020 11:51

Instrument :

MSVOA_W

ClientSampled :

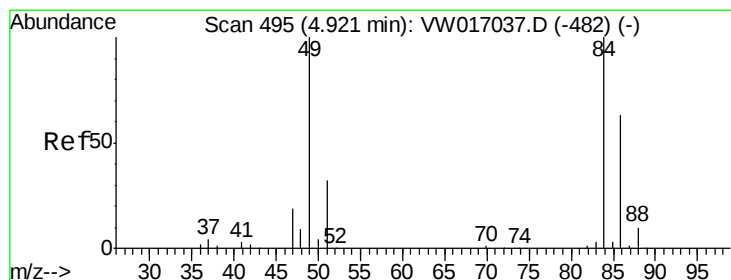
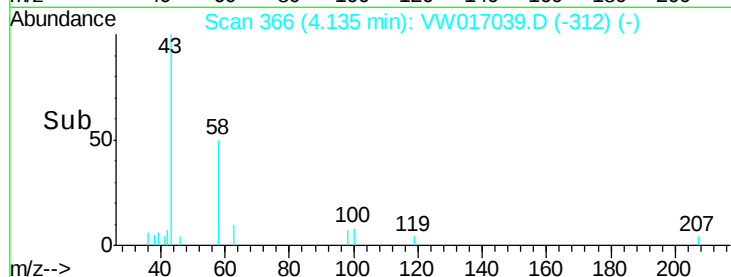
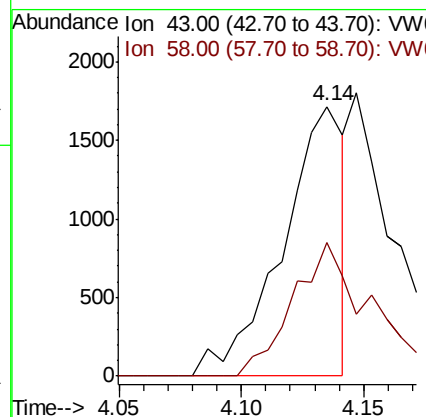
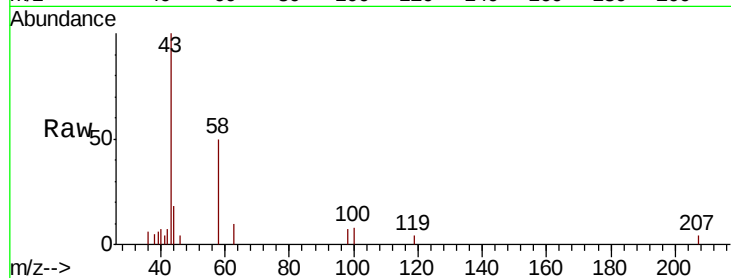
BG471

Tot Ion: 43 Resp: 3015

Ion Ratio Lower Upper

43 100

58 44.8 0.0 69.8



#16

Methylene chloride

Concen: 3.016 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017039.D

Acq: 02 Nov 2020 11:51

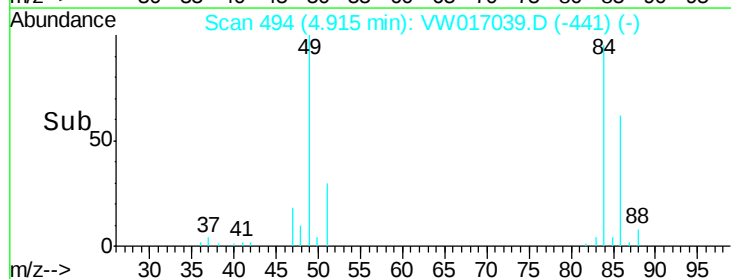
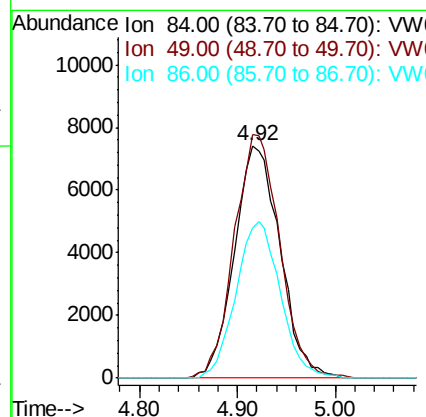
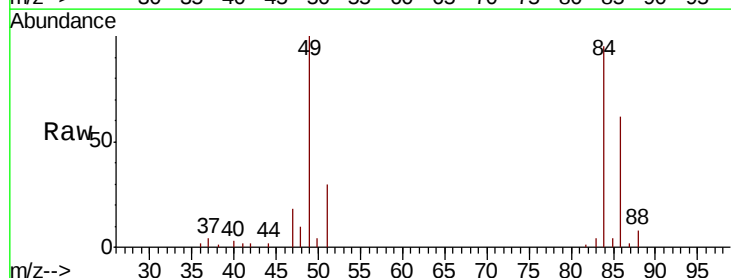
Tgt Ion: 84 Resp: 24040

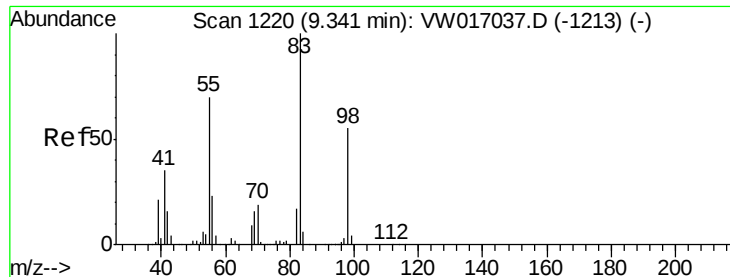
Ion Ratio Lower Upper

84 100

49 104.8 73.8 137.0

86 64.8 47.4 88.0

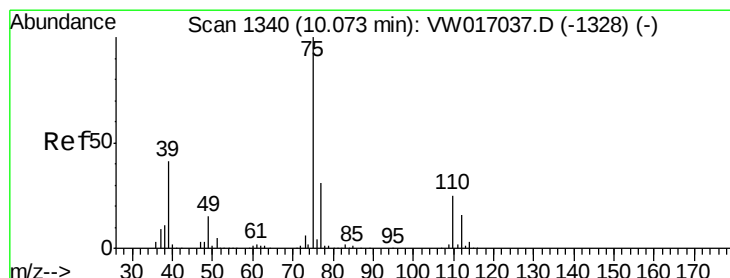
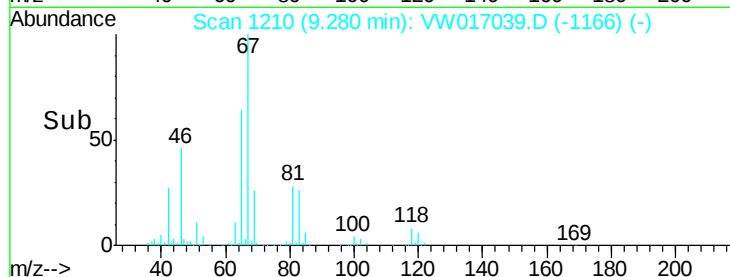
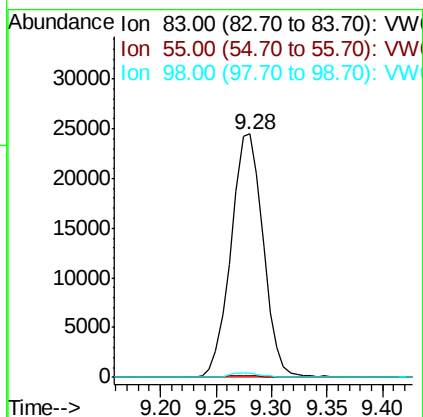
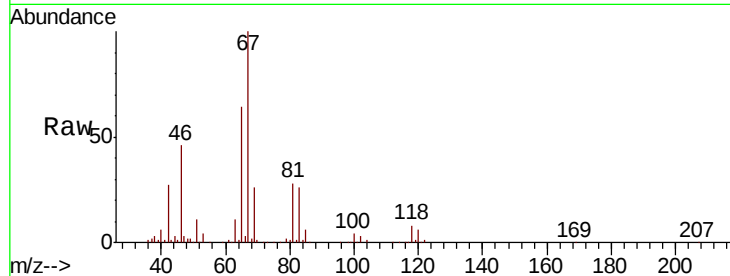




#36
Methylcyclohexane
Concen: 3.592 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.06 min
Lab File: VW017039.D
Acq: 02 Nov 2020 11:51

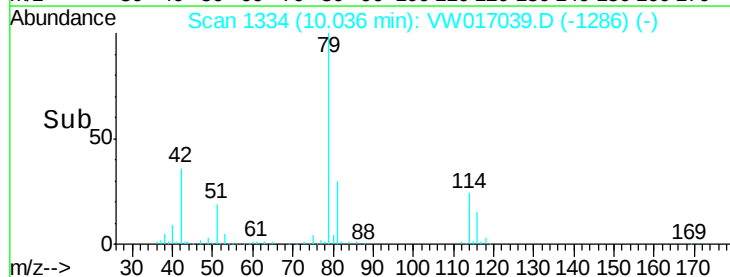
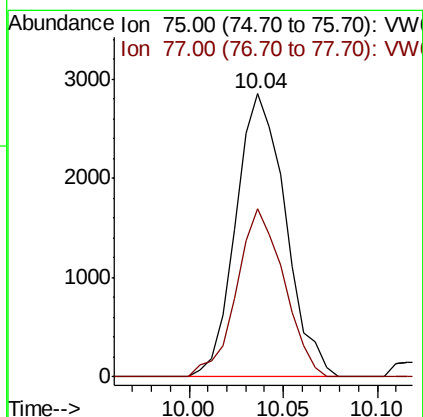
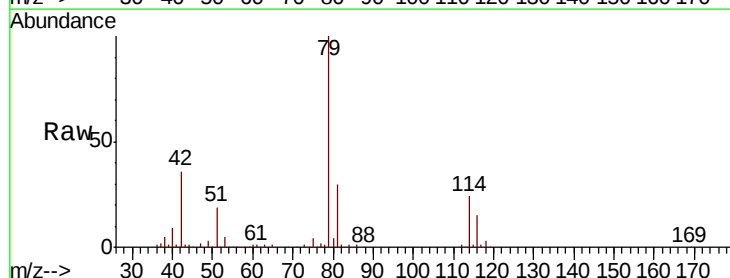
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MSVOA_W
ClientSampled :
BG471

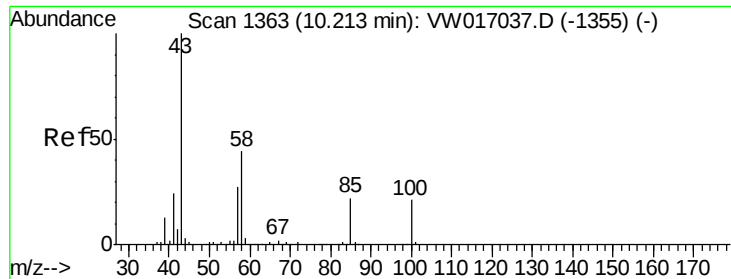
Tot Ion: 83 Resp: 49106
Ion Ratio Lower Upper
83 100
55 0.6 54.5 81.7#
98 1.7 40.8 61.2#



#42
cis-1,3-Dichloropropene
Concen: 0.508 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW017039.D
Acq: 02 Nov 2020 11:51

Tgt Ion: 75 Resp: 5213
Ion Ratio Lower Upper
75 100
77 59.4 22.7 42.1#





#43

4-Methyl-2-pentanone

Concen: 0.700 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW017039.D

Acq: 02 Nov 2020 11:51

Instrument :

MSVOA_W

ClientSampled :

BG471

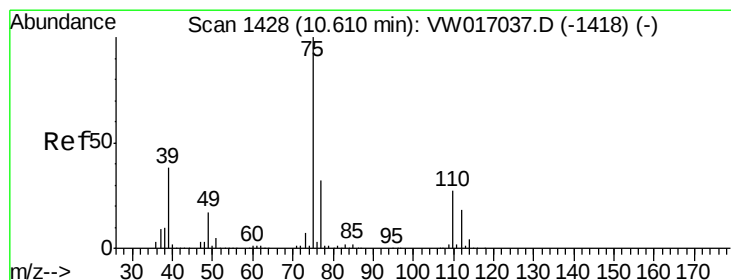
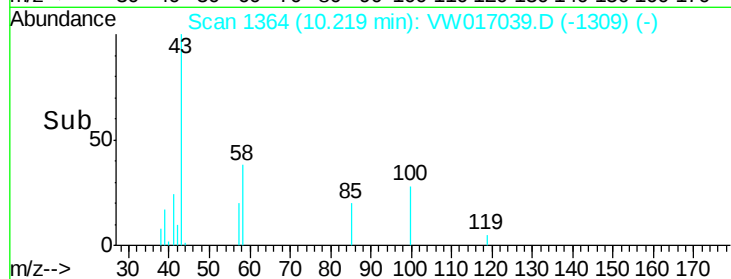
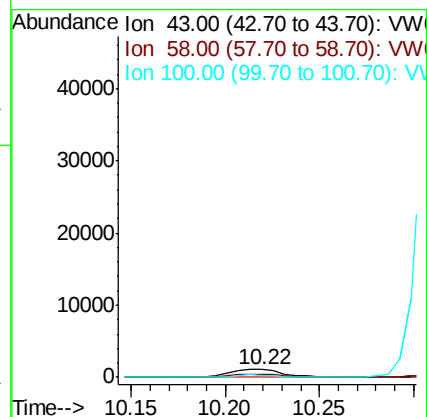
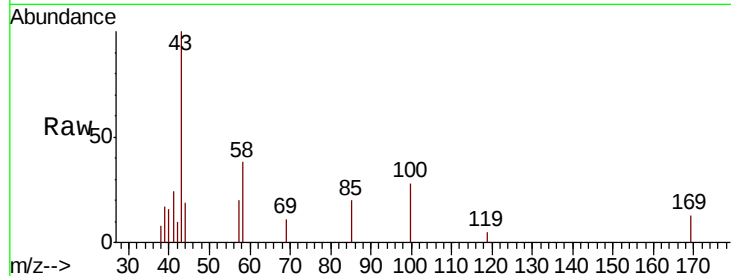
Tot Ion: 43 Resp: 2178

Ion Ratio Lower Upper

43 100

58 38.1 34.4 51.6

100 25.7 16.2 24.2#



#45

trans-1,3-Dichloropropene

Concen: 0.373 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017039.D

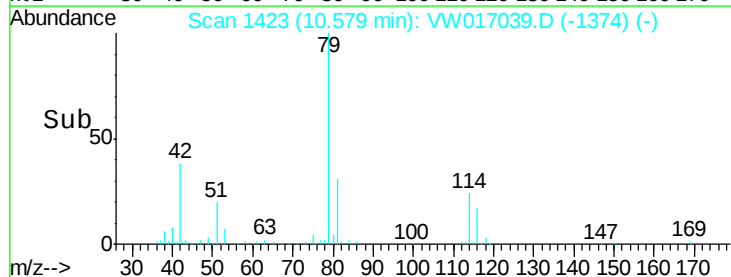
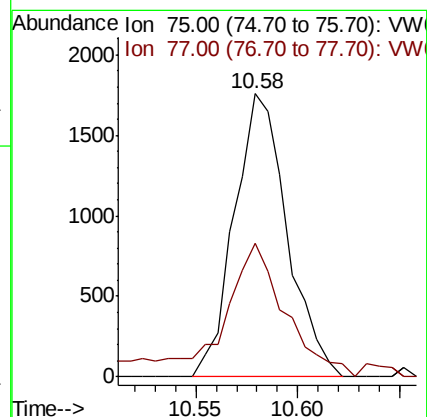
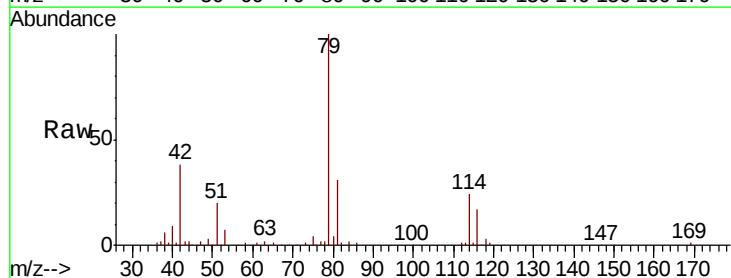
Acq: 02 Nov 2020 11:51

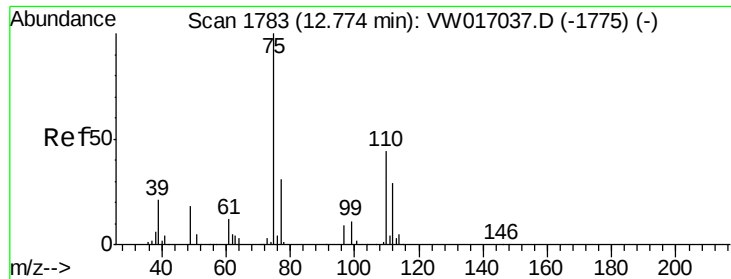
Tgt Ion: 75 Resp: 3168

Ion Ratio Lower Upper

75 100

77 47.3 22.7 42.3#





#59

1,2,3-Trichloropropane

Concen: 6.046 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017039.D

Acq: 02 Nov 2020 11:51

Instrument :

MSVOA_W

ClientSampleId :

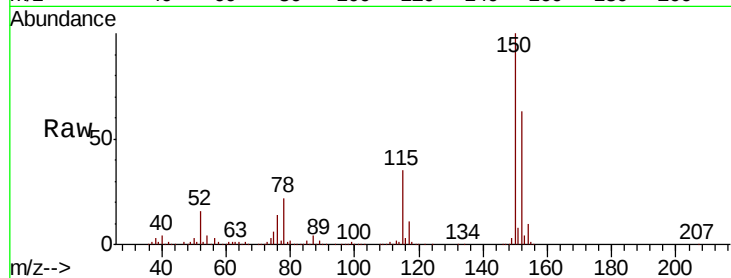
BG471

Tot Ion: 75 Resp: 24398

Ion Ratio Lower Upper

75 100

77 37.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

