

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102620\
 Data File : VW016998.D
 Acq On : 26 Oct 2020 14:59
 Operator : SY/VA
 Sample : L4502-11RE
 Misc : 4.53G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG438

Quant Time: Oct 27 08:25:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 27 08:16:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	541036	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	470953	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	189735	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	125633	20.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.48%
7) Chloroethane-d5	2.89	69	97365	20.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.48%
10) 1,1-Dichloroethene-d2	4.03	63	177499	14.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.44%
20) 2-Butanone-d5	7.08	46	60211	51.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.38%
24) Chloroform-d	7.65	84	254775	20.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.68%
26) 1,2-Dichloroethane-d4	8.31	65	129185	22.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.00%
29) Benzene-d6	8.27	84	526651	21.77	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.08%
33) 1,2-Dichloropropane-d6	9.27	67	147634	22.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.44%
37) Toluene-d8	10.33	98	484797	21.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.16%
38) trans-1,3-Dichloropropene-	10.58	79	59045	21.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.20%
39) 2-Hexanone-d5	10.93	63	50041	54.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	118174	23.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	147382	22.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.40%

Target Compounds

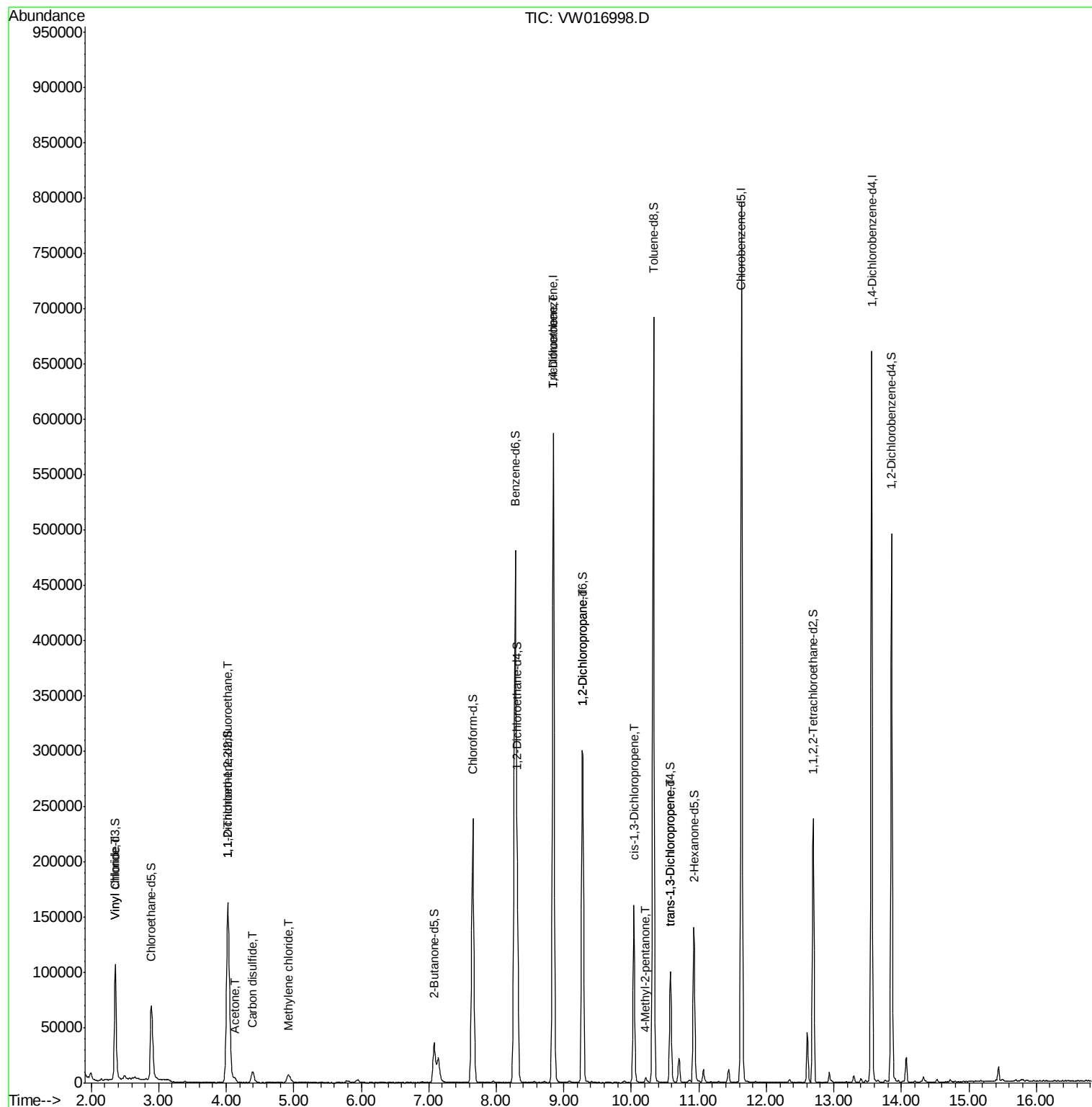
					Ovalue
5) Vinyl chloride	2.36	62	2588	0.332 ug/L #	1
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1987	0.266 ug/L #	17
13) Acetone	4.13	43	3316	4.190 ug/L	68
14) Carbon disulfide	4.39	76	21253	0.990 ug/L	99
16) Methylene chloride	4.93	84	7277	1.017 ug/L	94
35) Trichloroethene	8.84	95	15109	2.097 ug/L #	1
40) 1,2-Dichloropropane	9.28	63	15936	2.743 ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	4002	0.440 ug/L #	76
43) 4-Methyl-2-pentanone	10.21	43	3182	1.155 ug/L #	92
45) trans-1,3-Dichloropropene	10.58	75	2588	0.344 ug/L	84

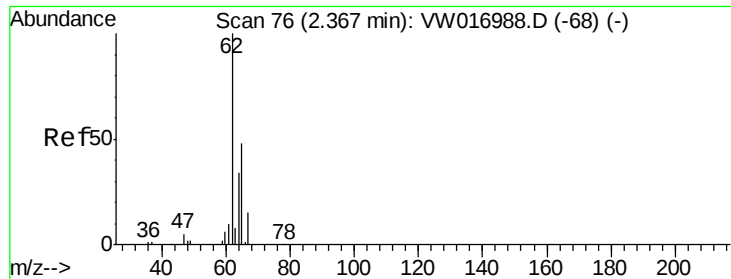
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Oct 27 08:16:51 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.332 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW016998.D

Acq: 26 Oct 2020 14:59

Instrument :

MSVOA_W

ClientSampleId :

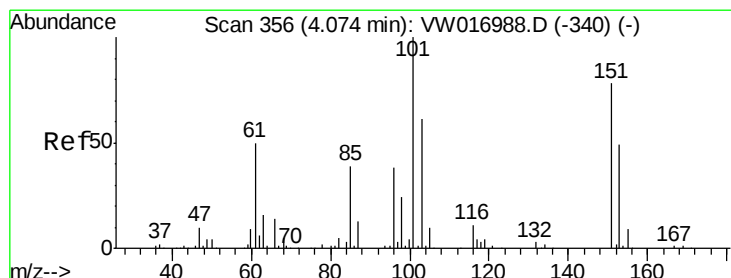
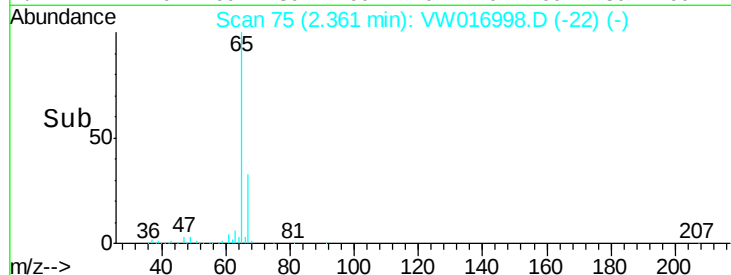
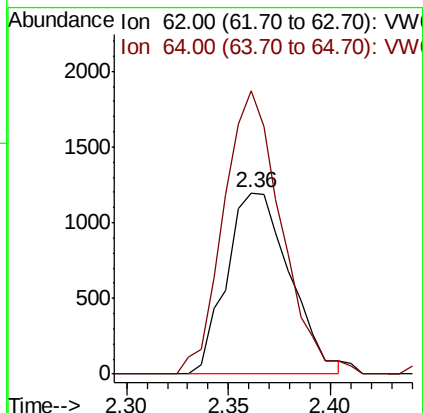
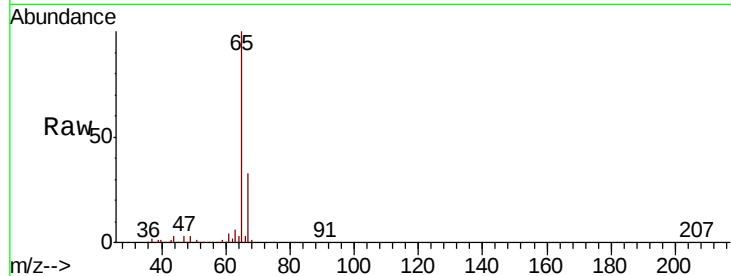
BG438

Tot Ion: 62 Resp: 2588

Ion Ratio Lower Upper

62 100

64 156.3 24.1 44.7#



#11

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

Concen: 0.266 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.05 min

Lab File: VW016998.D

Acq: 26 Oct 2020 14:59

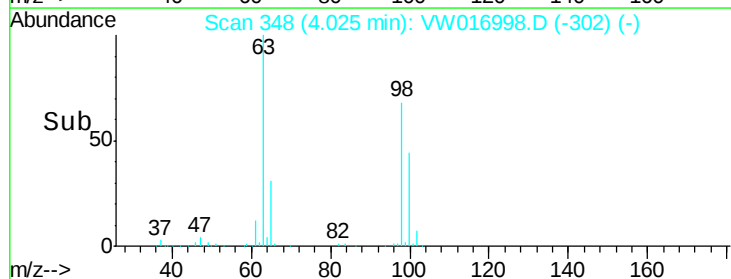
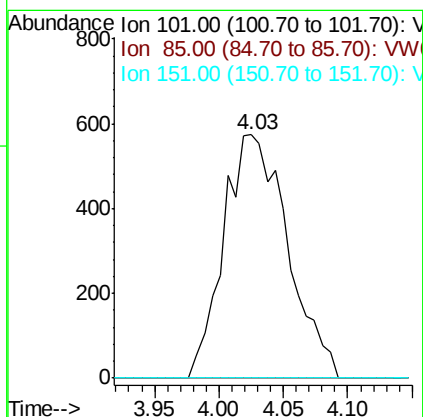
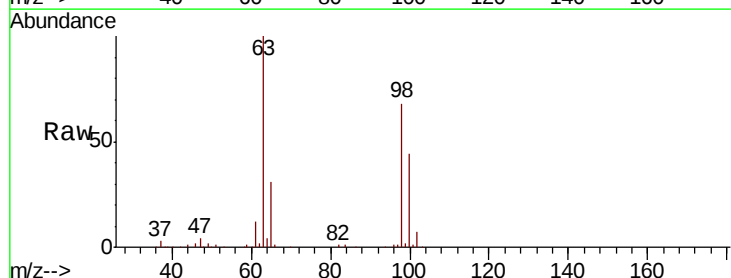
Tgt Ion: 101 Resp: 1987

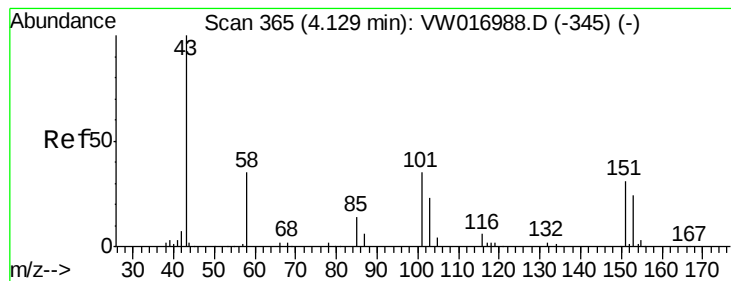
Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

151 0.0 65.7 98.5#





#13

Acetone

Concen: 4.190 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW016998.D

Acq: 26 Oct 2020 14:59

Instrument :

MSVOA_W

ClientSampled :

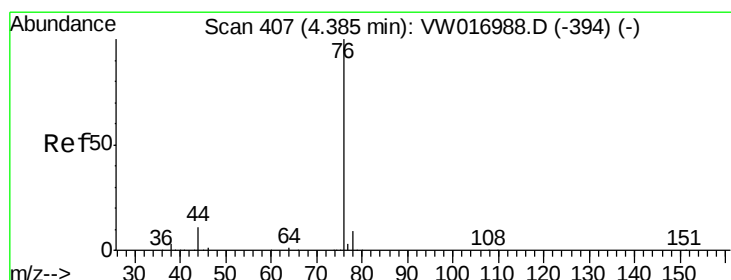
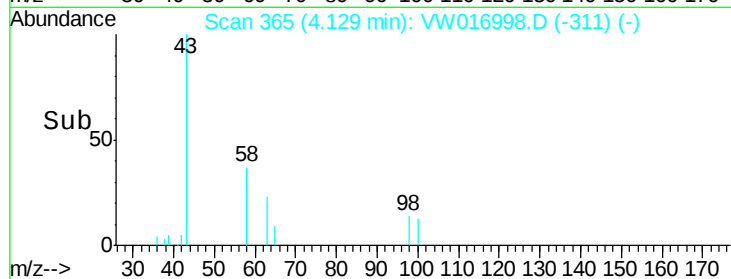
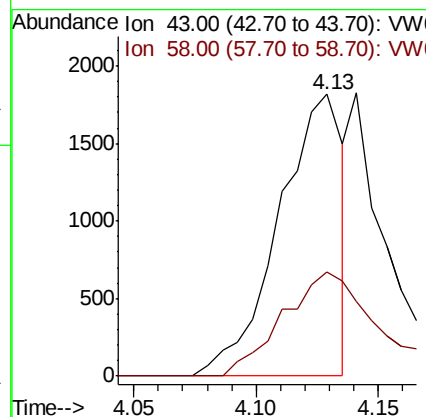
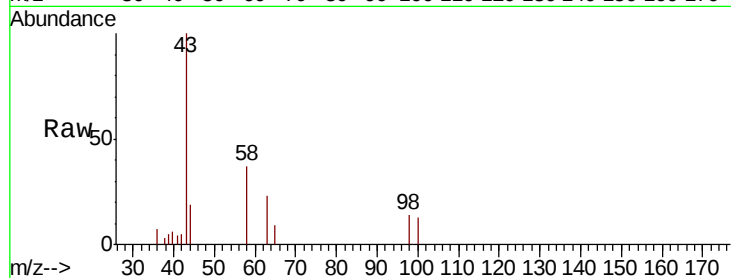
BG438

Tot Ion: 43 Resp: 3316

Ion Ratio Lower Upper

43 100

58 53.5 0.0 69.8



#14

Carbon disulfide

Concen: 0.990 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW016998.D

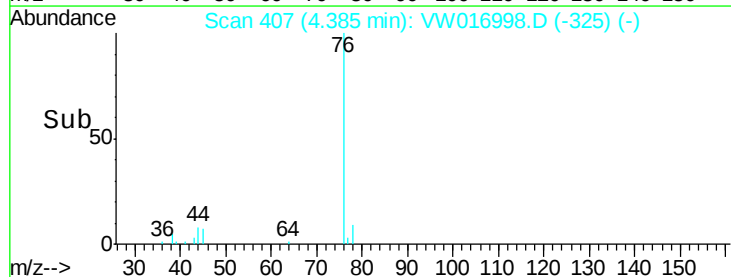
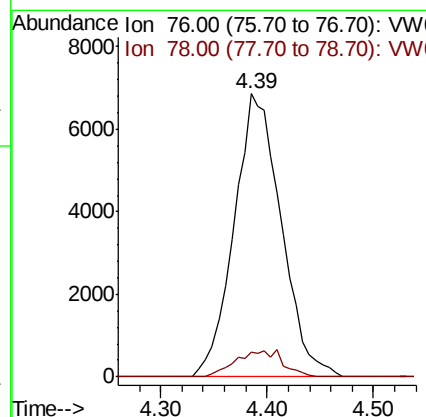
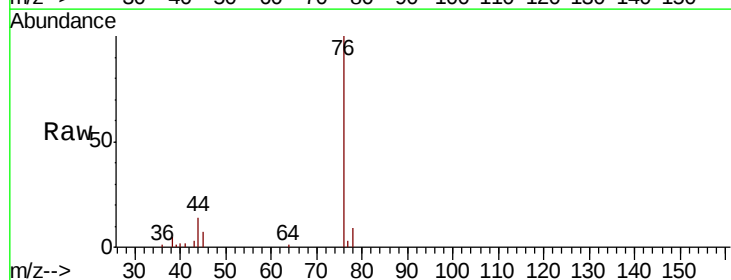
Acq: 26 Oct 2020 14:59

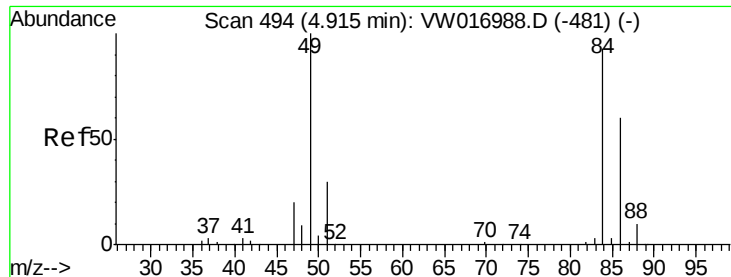
Tgt Ion: 76 Resp: 21253

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9

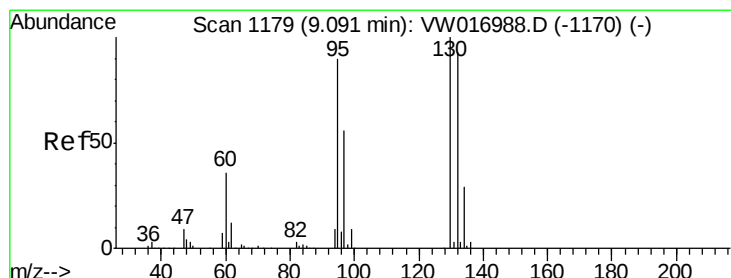
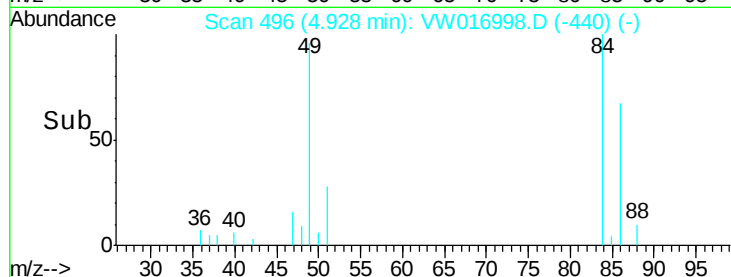
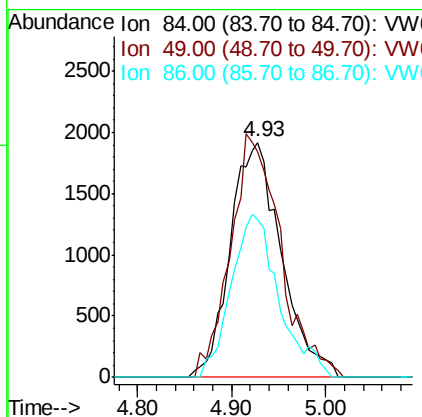
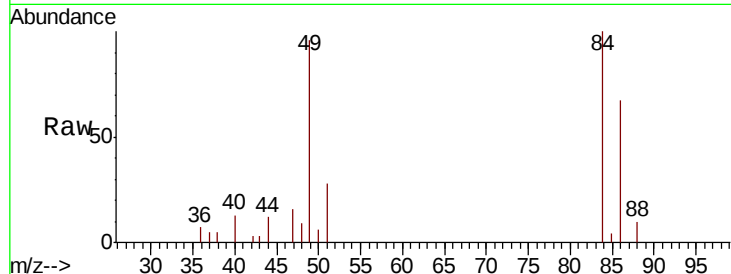




#16
Methvlene chloride
Concen: 1.017 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016998.D
Acq: 26 Oct 2020 14:59

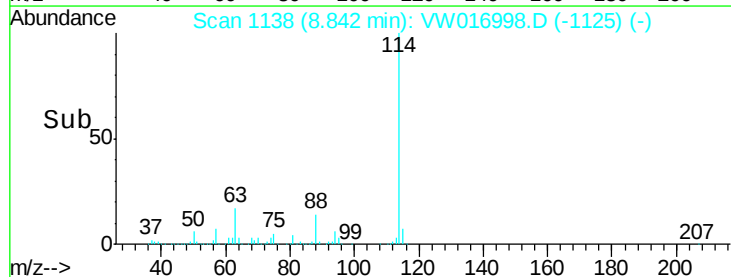
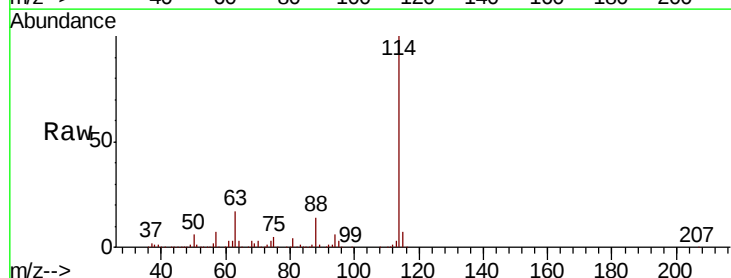
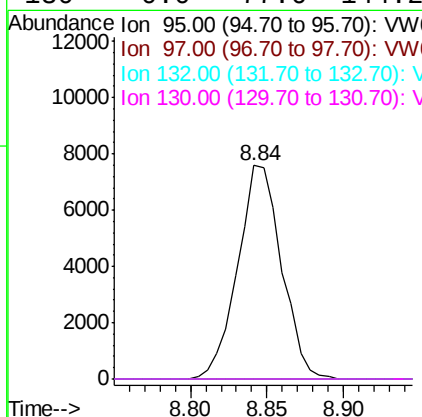
Instrument :
MSVOA_W
ClientSampleId :
BG438

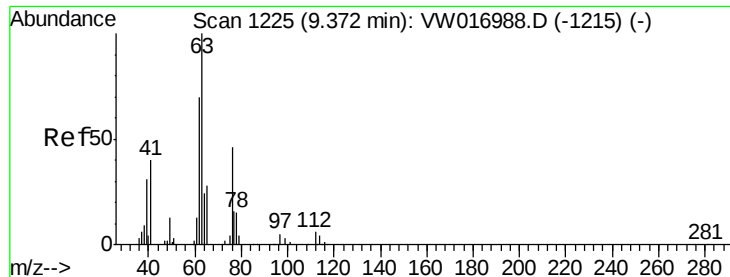
Tot Ion: 84 Resp: 7277
Ion Ratio Lower Upper
84 100
49 96.0 73.8 137.0
86 67.2 47.4 88.0



#35
Trichloroethene
Concen: 2.097 ug/L
RT: 8.84 min Scan# 1138
Delta R.T. -0.25 min
Lab File: VW016998.D
Acq: 26 Oct 2020 14:59

Tgt Ion: 95 Resp: 15109
Ion Ratio Lower Upper
95 100
97 0.0 46.0 85.4#
132 0.0 73.9 137.3#
130 0.0 77.6 144.2#





#40

1,2-Dichloropropane

Concen: 2.743 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW016998.D

Acq: 26 Oct 2020 14:59

Instrument :

MSVOA_W

ClientSampleId :

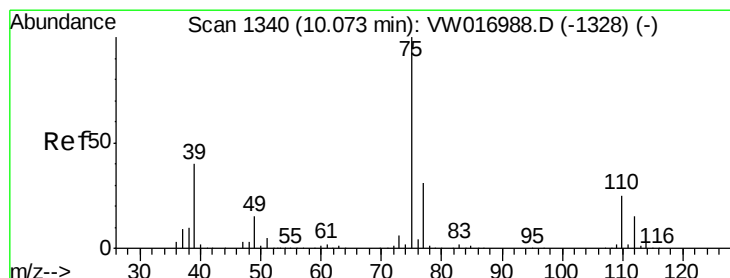
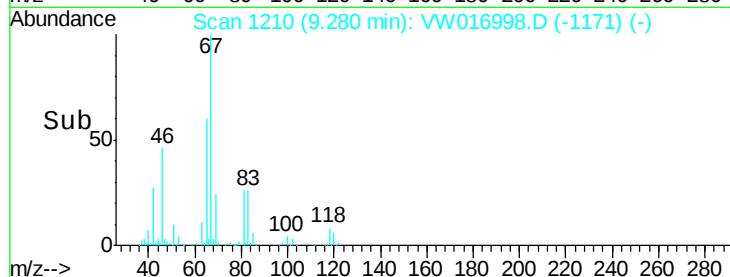
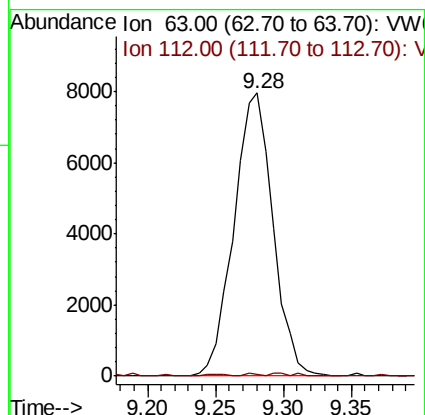
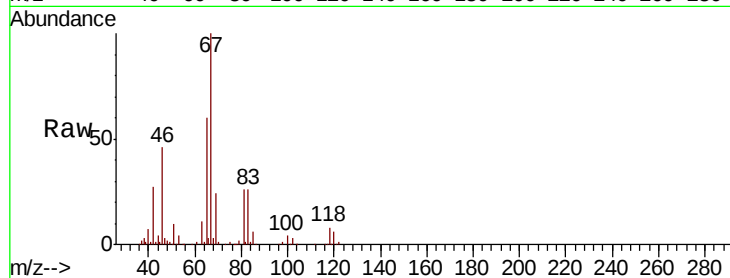
BG438

Tot Ion: 63 Resp: 15936

Ion Ratio Lower Upper

63 100

112 0.3 4.5 6.7#



#42

cis-1,3-Dichloropropene

Concen: 0.440 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016998.D

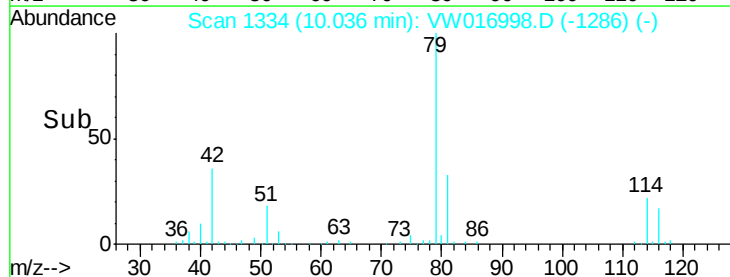
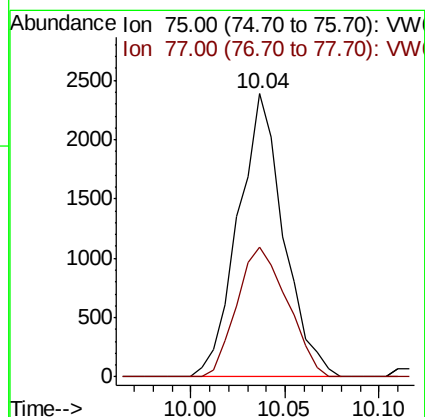
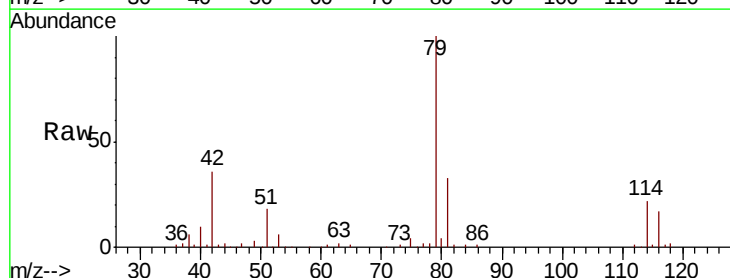
Acq: 26 Oct 2020 14:59

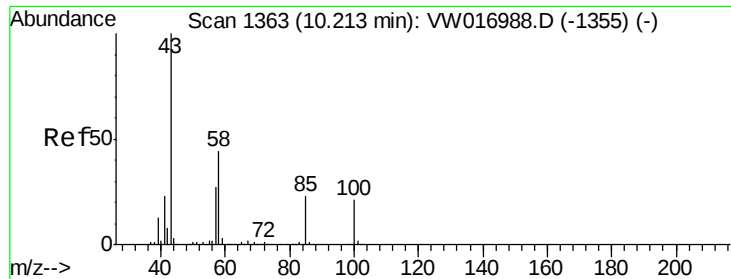
Tgt Ion: 75 Resp: 4002

Ion Ratio Lower Upper

75 100

77 45.7 22.7 42.1#

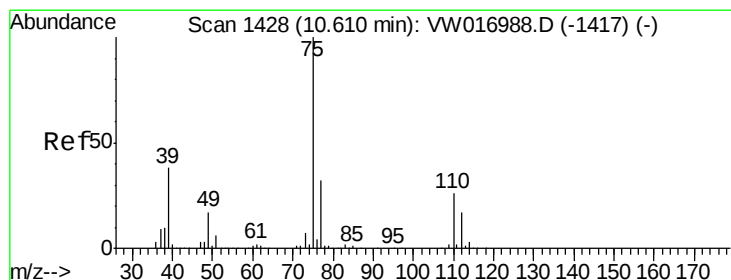
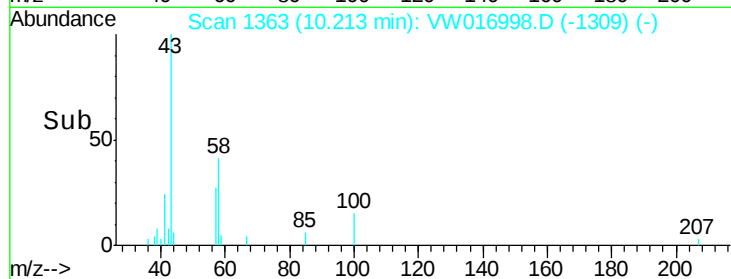
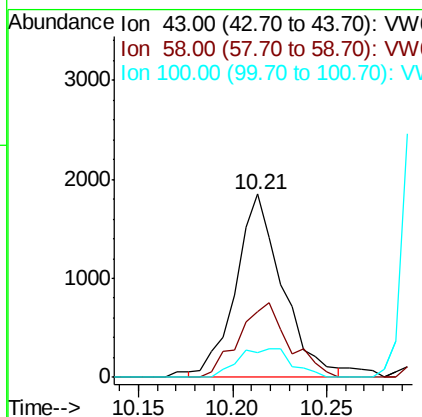
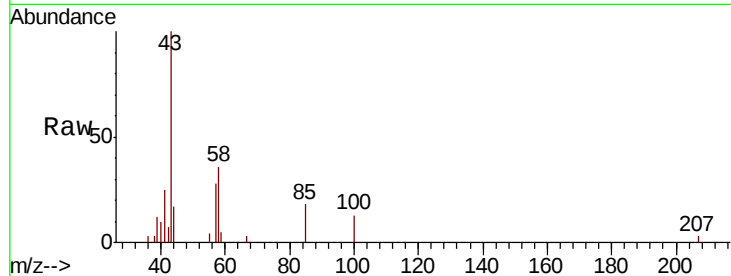




#43
4-Methyl-2-pentanone
Concen: 1.155 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW016998.D
Acq: 26 Oct 2020 14:59

Instrument :
MSVOA_W
ClientSampleId :
BG438

Tot Ion: 43 Resp: 3182
Ion Ratio Lower Upper
43 100
58 43.2 34.4 51.6
100 9.6 16.2 24.2#



#45
trans-1,3-Dichloropropene
Concen: 0.344 ug/L
RT: 10.58 min Scan# 1423
Delta R.T. -0.03 min
Lab File: VW016998.D
Acq: 26 Oct 2020 14:59

Tgt Ion: 75 Resp: 2588
Ion Ratio Lower Upper
75 100
77 41.4 22.7 42.3

