

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102620\
 Data File : VW016992.D
 Acq On : 26 Oct 2020 12:37
 Operator : SY/VA
 Sample : L4502-11
 Misc : 5.06G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG438

Quant Time: Oct 27 08:24:29 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	415844	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	337017	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	118905	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	118591	24.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.84%
7) Chloroethane-d5	2.89	69	93127	25.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.16%
10) 1,1-Dichloroethene-d2	4.03	63	165493	17.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.92%
20) 2-Butanone-d5	7.08	46	57868	64.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.02%
24) Chloroform-d	7.65	84	240198	25.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.16%
26) 1,2-Dichloroethane-d4	8.31	65	124379	27.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.20%
29) Benzene-d6	8.28	84	488866	28.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.96%
33) 1,2-Dichloropropane-d6	9.28	67	140145	29.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.96%
37) Toluene-d8	10.33	98	438086	26.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.52%
38) trans-1,3-Dichloropropene-	10.58	79	54732	27.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	110.40%
39) 2-Hexanone-d5	10.93	63	47463	72.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	144.68%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	110187	30.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	123.80%#
61) 1,2-Dichlorobenzene-d4	13.85	152	107359	25.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.76%

Target Compounds

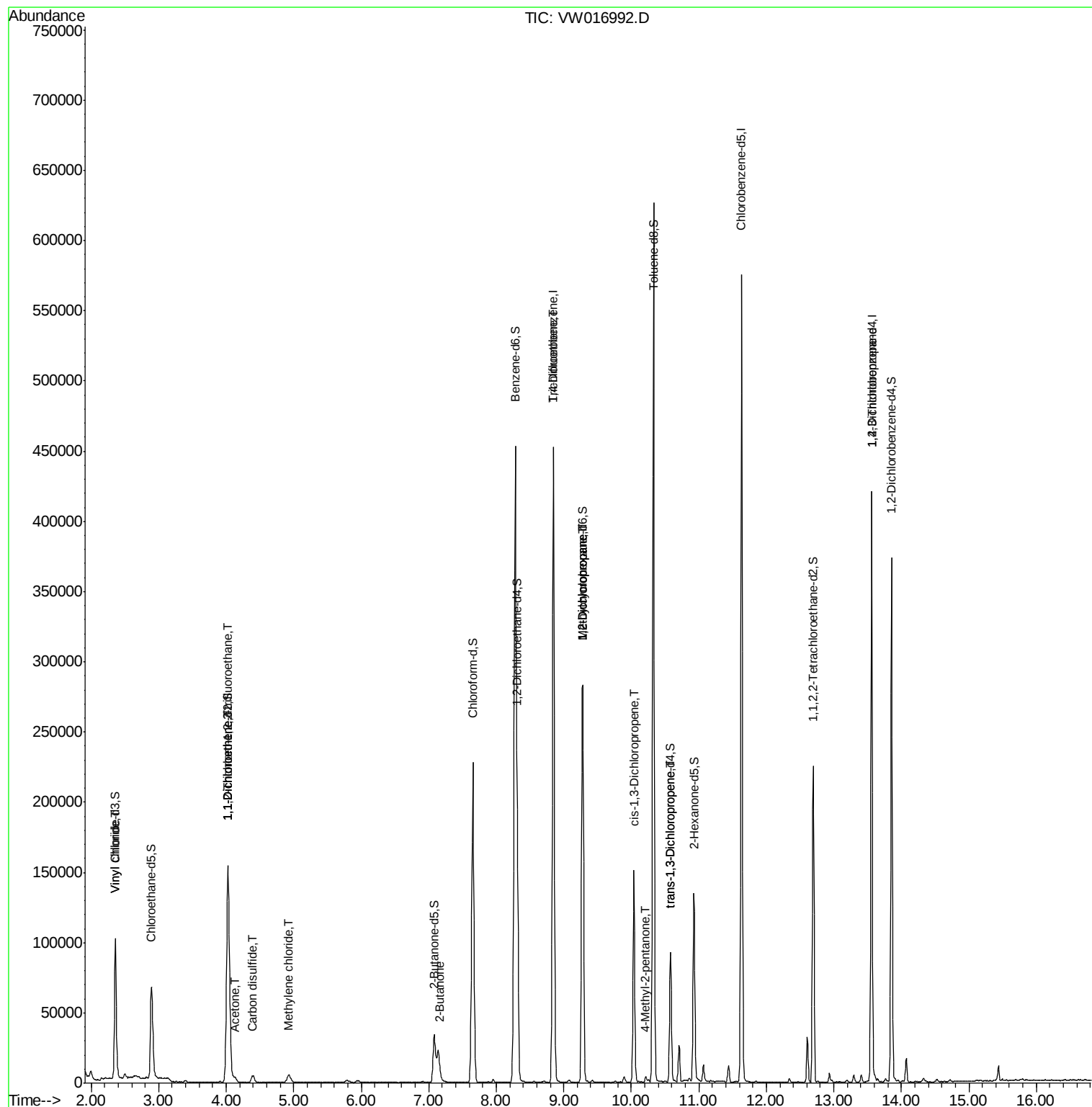
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.36	62	2760	0.460	ug/L #	1
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1782	0.311	ug/L #	17
12) 1,1-Dichloroethene	4.03	96	1636	0.301	ug/L #	1
13) Acetone	4.13	43	5080	8.351	ug/L	74
14) Carbon disulfide	4.38	76	5345	0.324	ug/L	99
16) Methylene chloride	4.93	84	5153	0.937	ug/L	90
21) 2-Butanone	7.17	43	681	0.669	ug/L	76
35) Trichloroethene	8.85	95	11787	2.286	ug/L #	1
36) Methylcyclohexane	9.28	83	35747	4.128	ug/L #	22
40) 1,2-Dichloropropane	9.28	63	15196	3.655	ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	3928	0.604	ug/L #	75
43) 4-Methyl-2-pentanone	10.21	43	2697	1.368	ug/L #	94
45) trans-1,3-Dichloropropene	10.58	75	2345	0.435	ug/L	90
59) 1,2,3-Trichloropropane	13.56	75	12082	4.726	ug/L	94

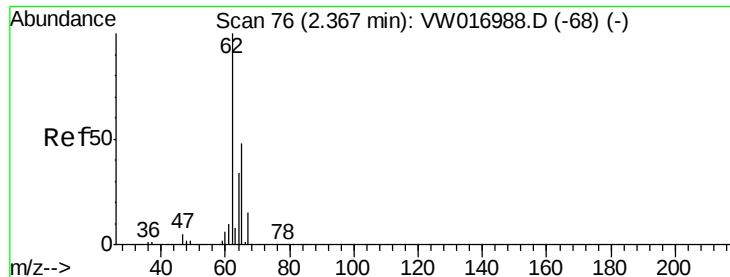
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 0.460 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW016992.D

Acq: 26 Oct 2020 12:37

Instrument :

MSVOA_W

ClientSampleId :

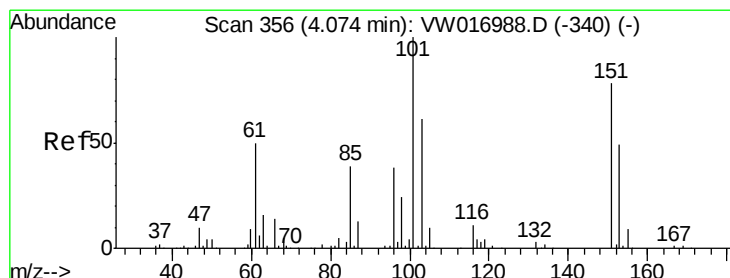
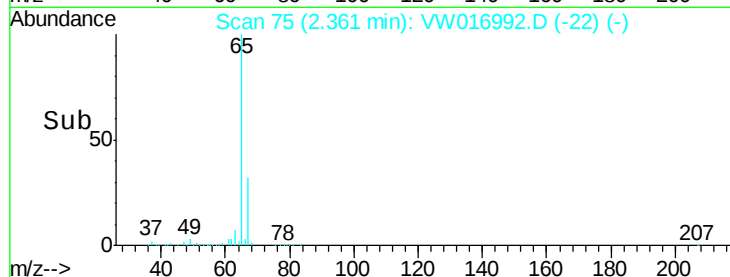
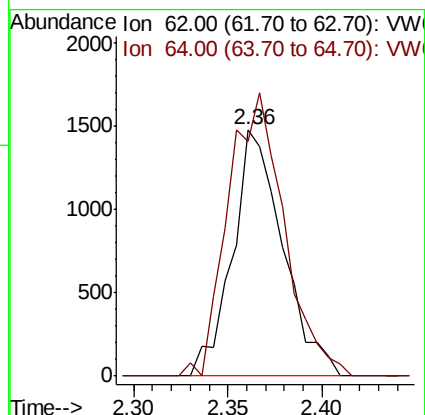
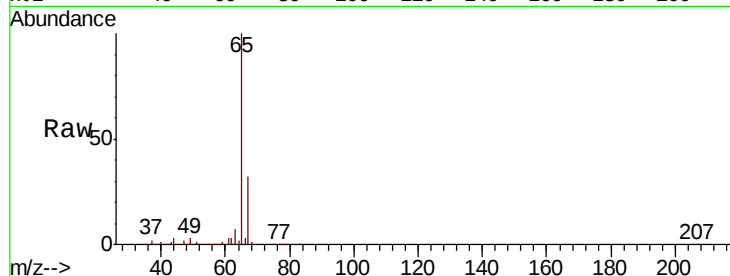
BG438

Tot Ion: 62 Resp: 2760

Ion Ratio Lower Upper

62 100

64 95.2 24.1 44.7#



#11

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

Concen: 0.311 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.05 min

Lab File: VW016992.D

Acq: 26 Oct 2020 12:37

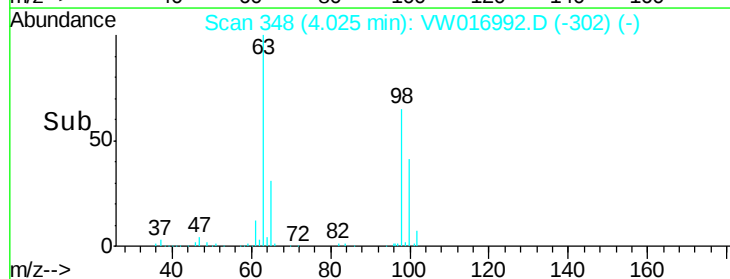
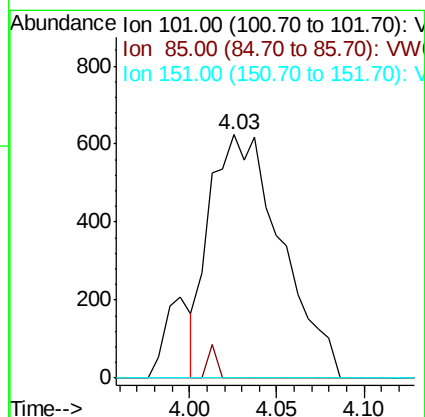
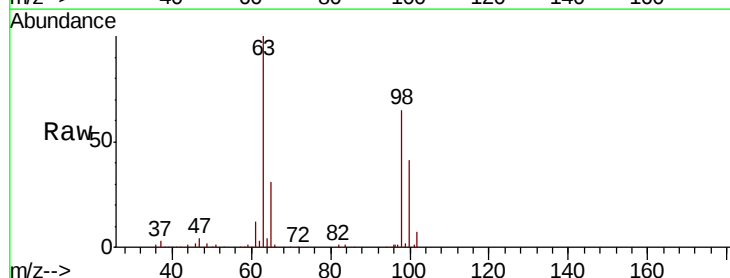
Tgt Ion: 101 Resp: 1782

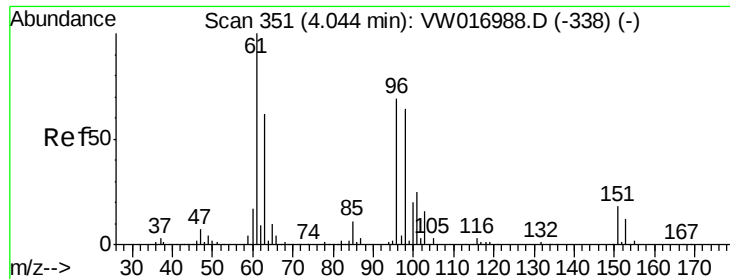
Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

151 0.0 65.7 98.5#





#12

1,1-Dichloroethene

Concen: 0.301 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.02 min

Lab File: VW016992.D

Acq: 26 Oct 2020 12:37

Instrument :

MSVOA_W

ClientSampled :

BG438

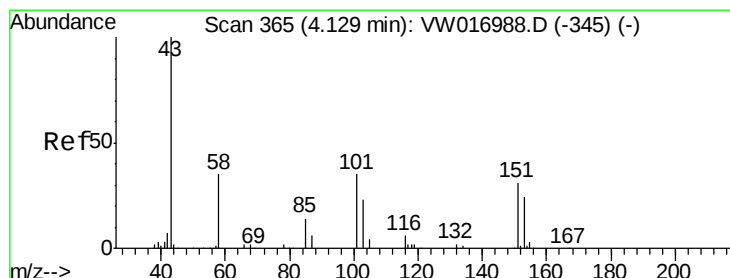
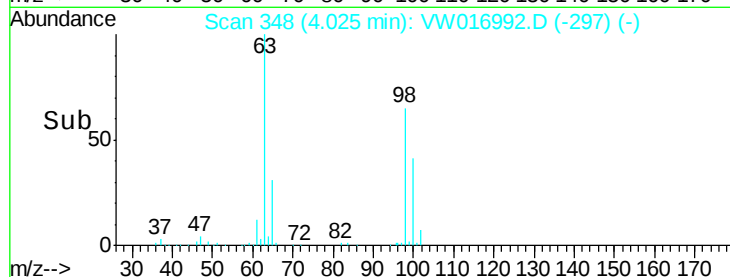
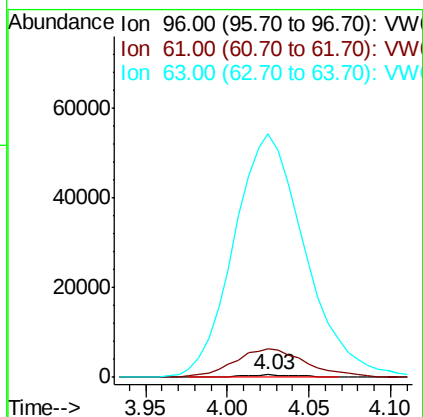
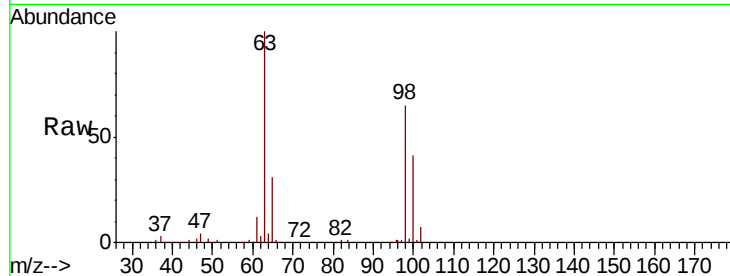
Tot Ion: 96 Resp: 1636

Ion Ratio Lower Upper

96 100

61 1028.2 101.4 188.4#

63 8765.0 78.5 145.9#



#13

Acetone

Concen: 8.351 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW016992.D

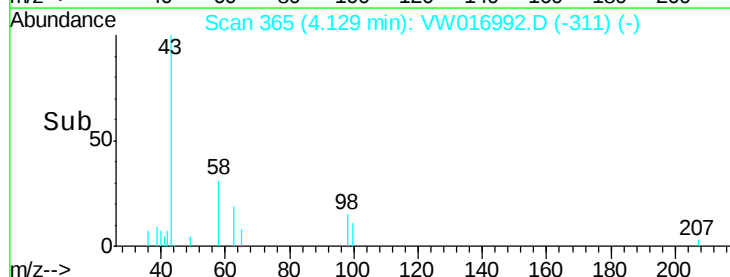
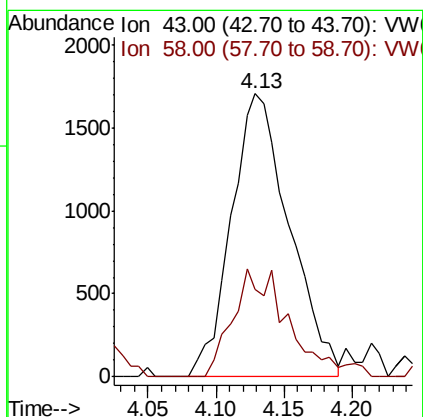
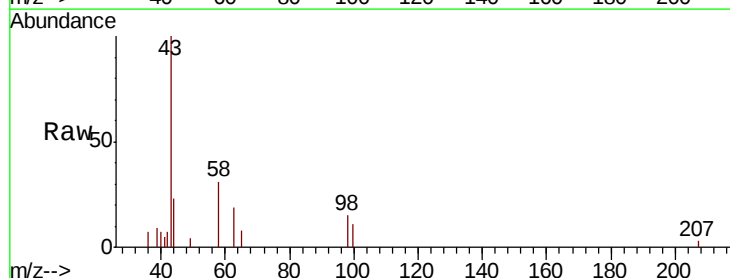
Acq: 26 Oct 2020 12:37

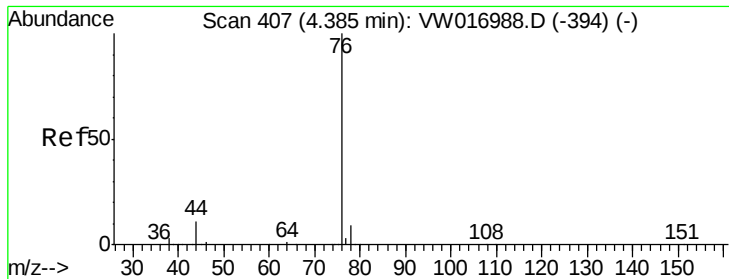
Tgt Ion: 43 Resp: 5080

Ion Ratio Lower Upper

43 100

58 19.7 0.0 69.8





#14

Carbon disulfide

Concen: 0.324 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW016992.D

Acq: 26 Oct 2020 12:37

Instrument :

MSVOA_W

ClientSampleId :

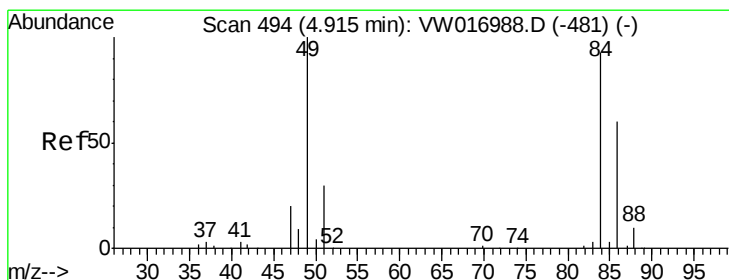
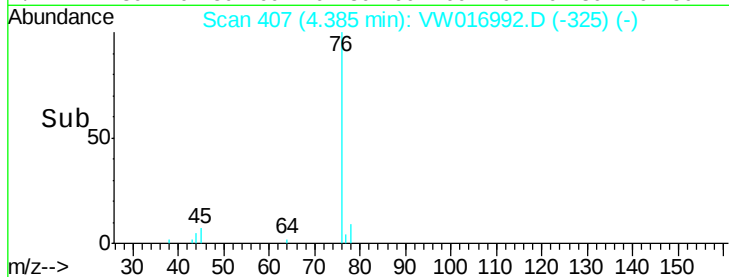
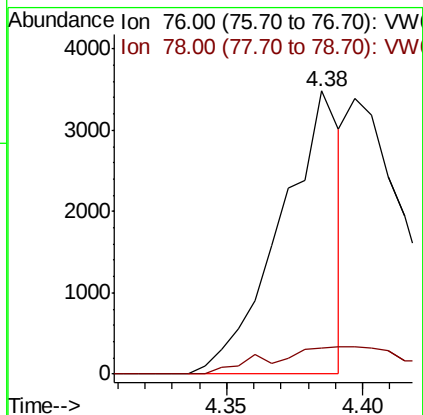
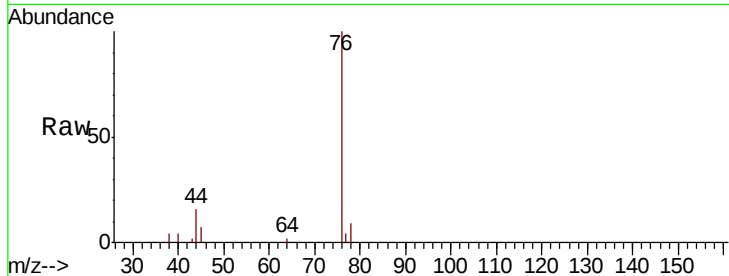
BG438

Tot Ion: 76 Resp: 5345

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



#16

Methylene chloride

Concen: 0.937 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016992.D

Acq: 26 Oct 2020 12:37

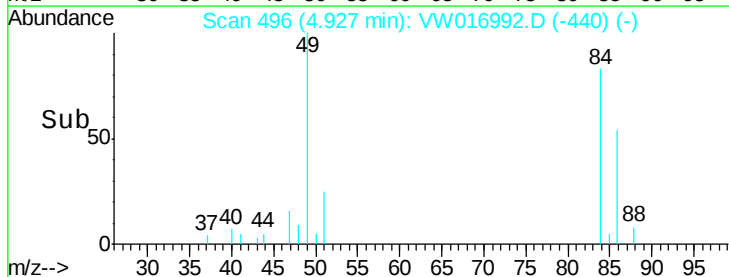
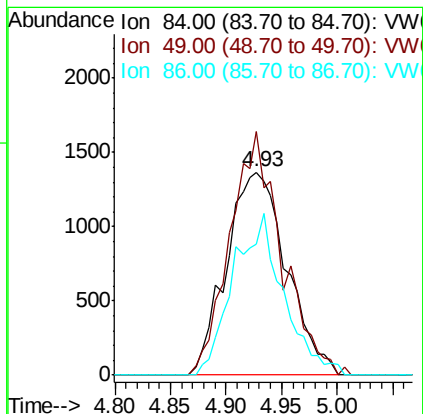
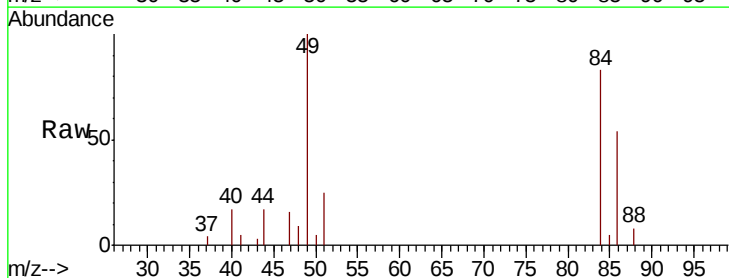
Tgt Ion: 84 Resp: 5153

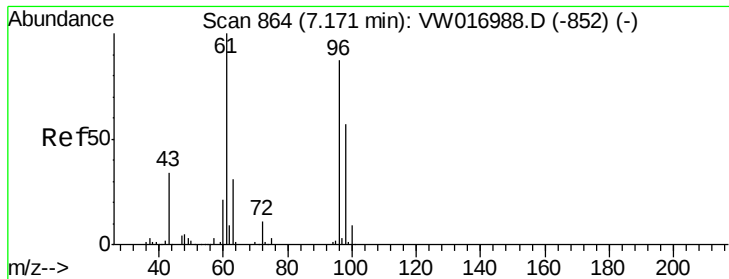
Ion Ratio Lower Upper

84 100

49 120.0 73.8 137.0

86 64.6 47.4 88.0





#21

2-Butanone

Concen: 0.669 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW016992.D

Acq: 26 Oct 2020 12:37

Instrument :

MSVOA_W

ClientSampled :

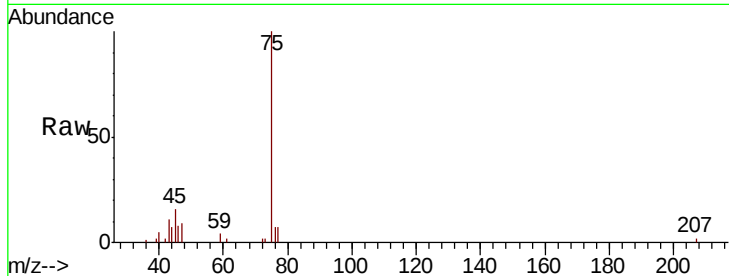
BG438

Tot Ion: 43 Resp: 681

Ion Ratio Lower Upper

43 100

72 18.9 16.1 48.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

600

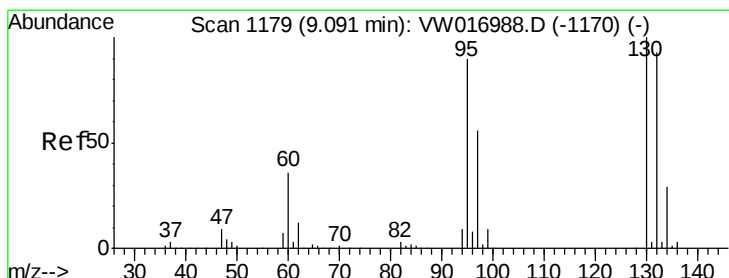
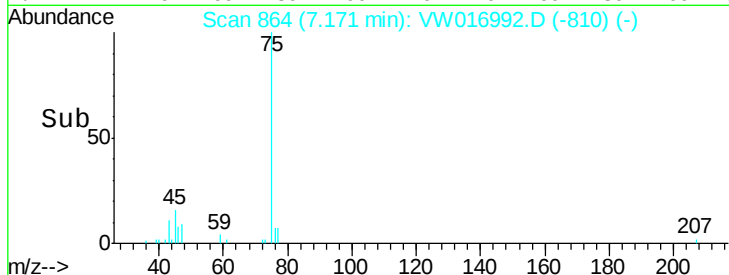
400

200

0

7.15 7.16 7.17 7.18

Time-->



#35

Trichloroethene

Concen: 2.286 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW016992.D

Acq: 26 Oct 2020 12:37

Tgt Ion: 95 Resp: 11787

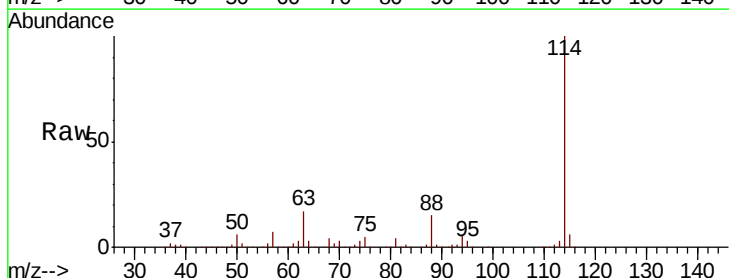
Ion Ratio Lower Upper

95 100

97 0.0 46.0 85.4#

132 0.0 73.9 137.3#

130 0.0 77.6 144.2#



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

8000

6000

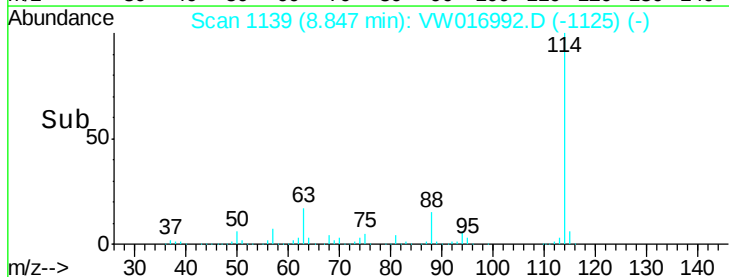
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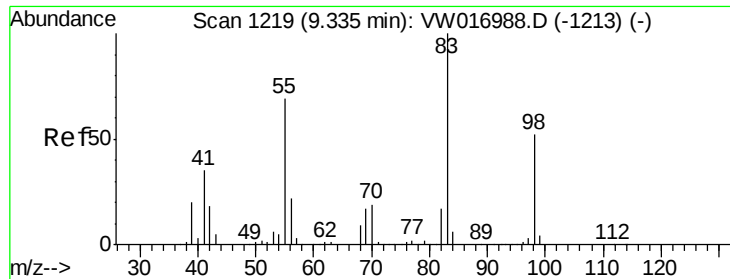
2000

0

8.80 8.85 8.90

Time-->

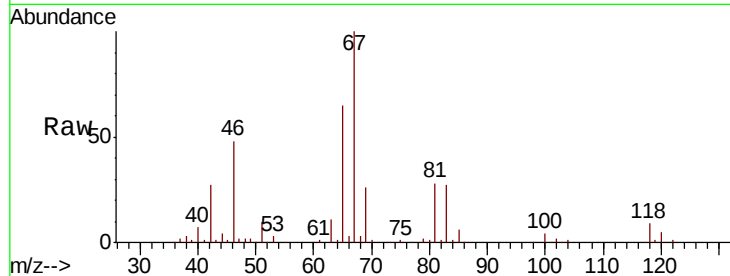




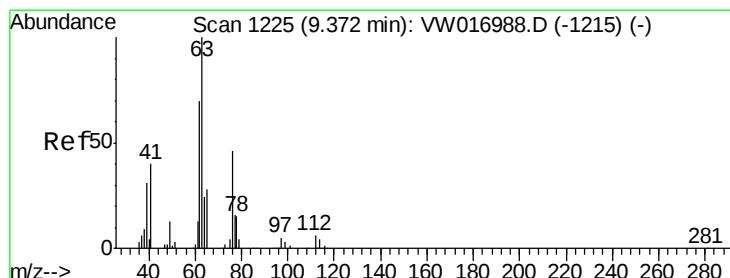
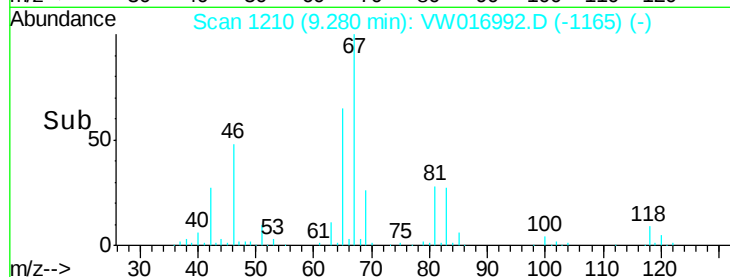
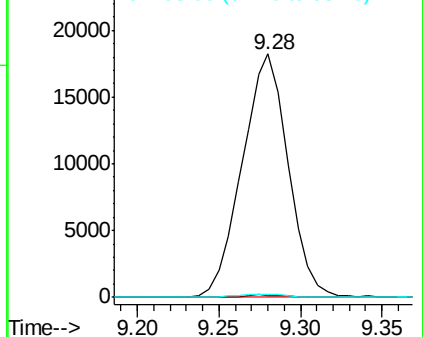
#36
Methylcyclohexane
Concen: 4.128 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.06 min
Lab File: VW016992.D
Acq: 26 Oct 2020 12:37

Instrument :
MSVOA_W
ClientSampleId :
BG438

Tot Ion: 83 Resp: 35747
Ion Ratio Lower Upper
83 100
55 0.7 54.5 81.7#
98 1.4 40.8 61.2#

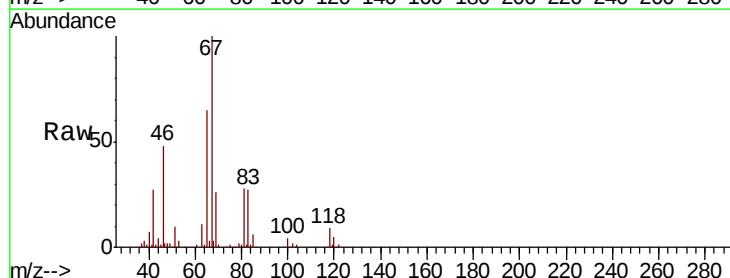


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

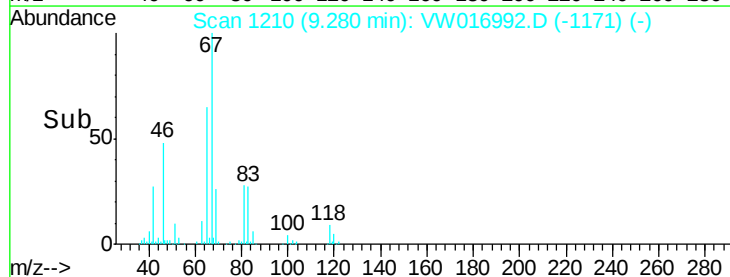
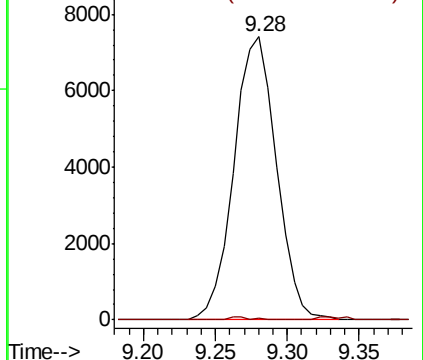


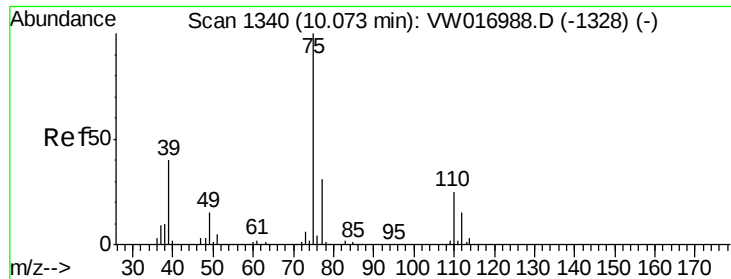
#40
1,2-Dichloropropane
Concen: 3.655 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.09 min
Lab File: VW016992.D
Acq: 26 Oct 2020 12:37

Tgt Ion: 63 Resp: 15196
Ion Ratio Lower Upper
63 100
112 0.1 4.5 6.7#



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.604 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW016992.D

Acq: 26 Oct 2020 12:37

Instrument :

MSVOA_W

ClientSampled :

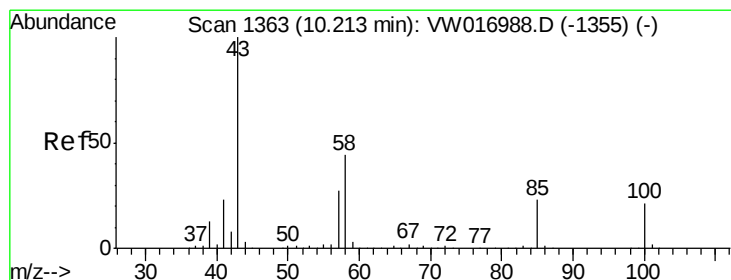
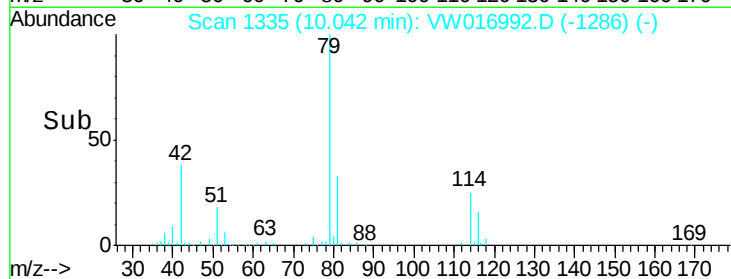
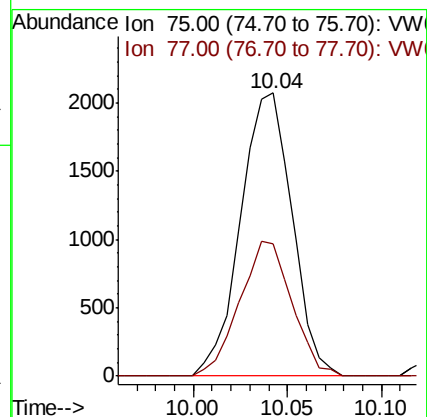
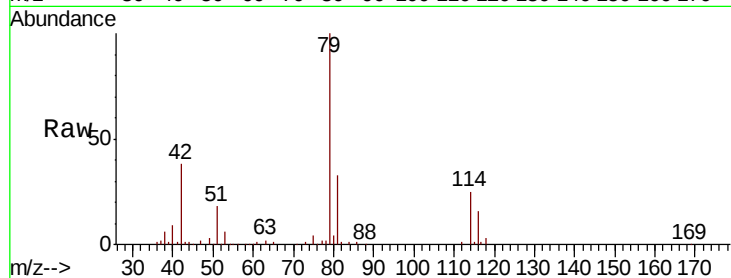
BG438

Tot Ion: 75 Resp: 3928

Ion Ratio Lower Upper

75 100

77 46.6 22.7 42.1#



#43

4-Methyl-2-pentanone

Concen: 1.368 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016992.D

Acq: 26 Oct 2020 12:37

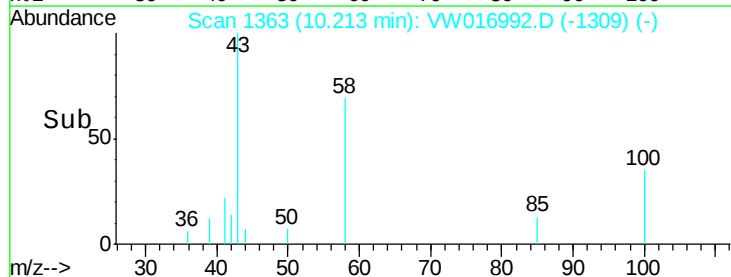
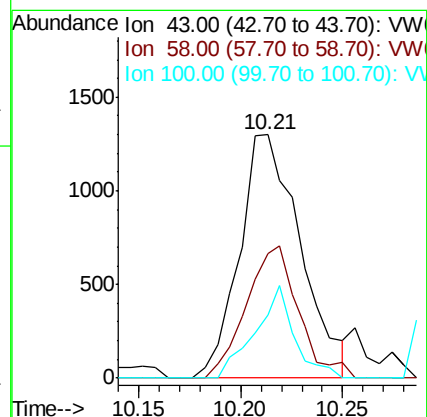
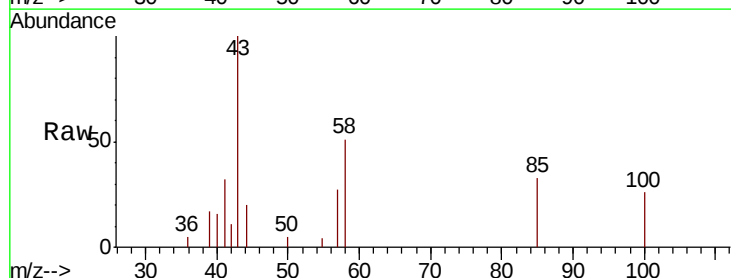
Tgt Ion: 43 Resp: 2697

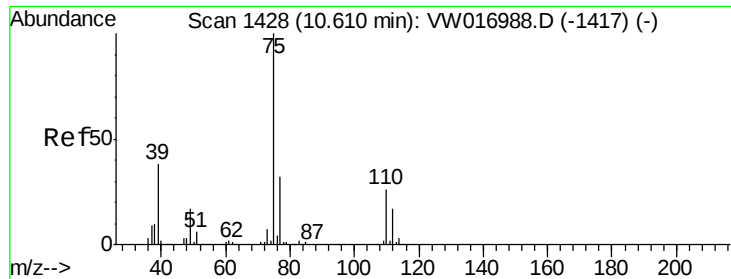
Ion Ratio Lower Upper

43 100

58 45.5 34.4 51.6

100 24.5 16.2 24.2#





#45

trans-1,3-Dichloropropene

Concen: 0.435 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016992.D

Acq: 26 Oct 2020 12:37

Instrument :

MSVOA_W

ClientSampleId :

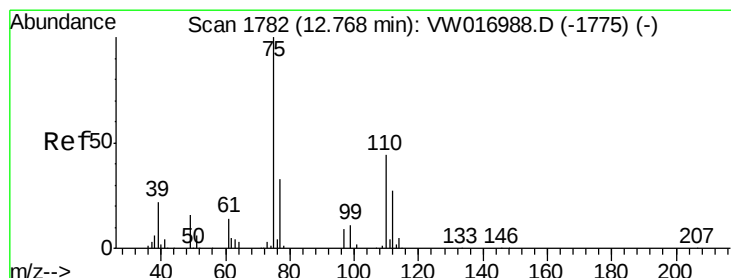
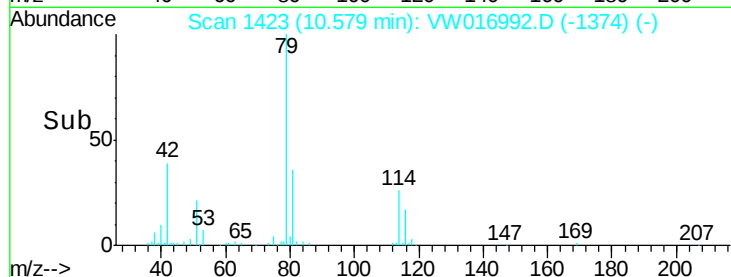
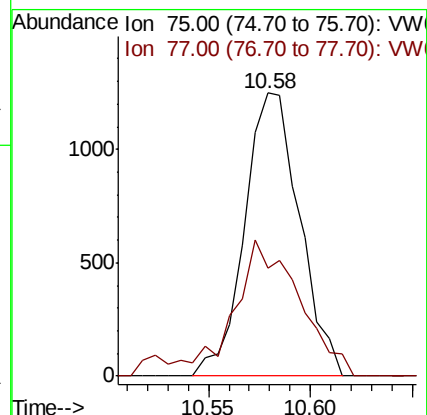
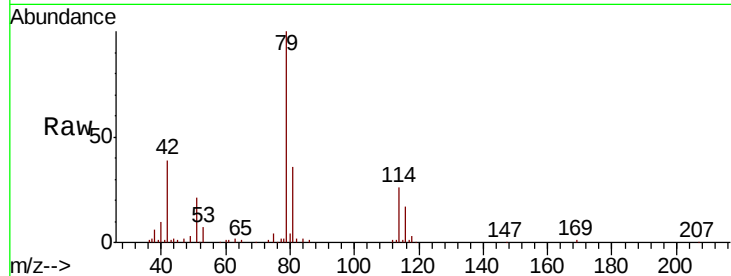
BG438

Tot Ion: 75 Resp: 2345

Ion Ratio Lower Upper

75 100

77 38.2 22.7 42.3



#59

1,2,3-Trichloropropane

Concen: 4.726 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016992.D

Acq: 26 Oct 2020 12:37

Tgt Ion: 75 Resp: 12082

Ion Ratio Lower Upper

75 100

77 35.7 25.8 38.8

