

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110320\
 Data File : VW017066.D
 Acq On : 03 Nov 2020 17:54
 Operator : SY/VA
 Sample : L4615-11
 Misc : 5.47G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG483

Quant Time: Nov 04 04:12:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 04:03:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	127812	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	122046	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	49132	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	30787	20.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.48%
7) Chloroethane-d5	2.89	69	27252	23.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.36%
10) 1,1-Dichloroethene-d2	4.02	63	44431	15.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.96%
20) 2-Butanone-d5	7.09	46	14527	52.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.56%
24) Chloroform-d	7.65	84	67616	22.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.76%
26) 1,2-Dichloroethane-d4	8.31	65	35211	25.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.52%
29) Benzene-d6	8.28	84	133512	21.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.20%
33) 1,2-Dichloropropane-d6	9.27	67	39669	23.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.76%
37) Toluene-d8	10.33	98	124507	21.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.36%
38) trans-1,3-Dichloropropene-	10.58	79	14139	19.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.76%
39) 2-Hexanone-d5	10.93	63	11271	47.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	30634	23.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.04%
61) 1,2-Dichlorobenzene-d4	13.86	152	40421	23.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.64%

Target Compounds

					Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.01	101	475	0.270 ug/L #	17
12) 1,1-Dichloroethene	4.04	96	469	0.280 ug/L #	1
13) Acetone	4.13	43	1275	6.819 ug/L	63
16) Methylene chloride	4.93	84	4380	2.592 ug/L	90
17) Methyl tert-butyl Ether	5.43	73	2602	1.427 ug/L #	67
22) cis-1,2-Dichloroethene	7.17	96	397	0.224 ug/L	87
35) Trichloroethene	9.10	95	53547	28.676 ug/L	98
36) Methylcyclohexane	9.27	83	10952	3.492 ug/L #	21
42) cis-1,3-Dichloropropene	10.04	75	1135	0.482 ug/L #	75
43) 4-Methyl-2-pentanone	10.21	43	1466	2.054 ug/L	89
45) trans-1,3-Dichloropropene	10.58	75	646	0.331 ug/L	97
46) 1,1,2-Trichloroethane	10.87	97	3390	2.813 ug/L #	1
47) Tetrachloroethene	10.87	164	446529	259.964 ug/L	95
49) 2-Hexanone	10.93	43	1227	2.697 ug/L #	62
59) 1,2,3-Trichloropropane	13.56	75	4997	5.398 ug/L	91

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Quant Title : VOC Analysis
QLast Update : Wed Nov 04 04:03:33 2020
Response via : Initial Calibration

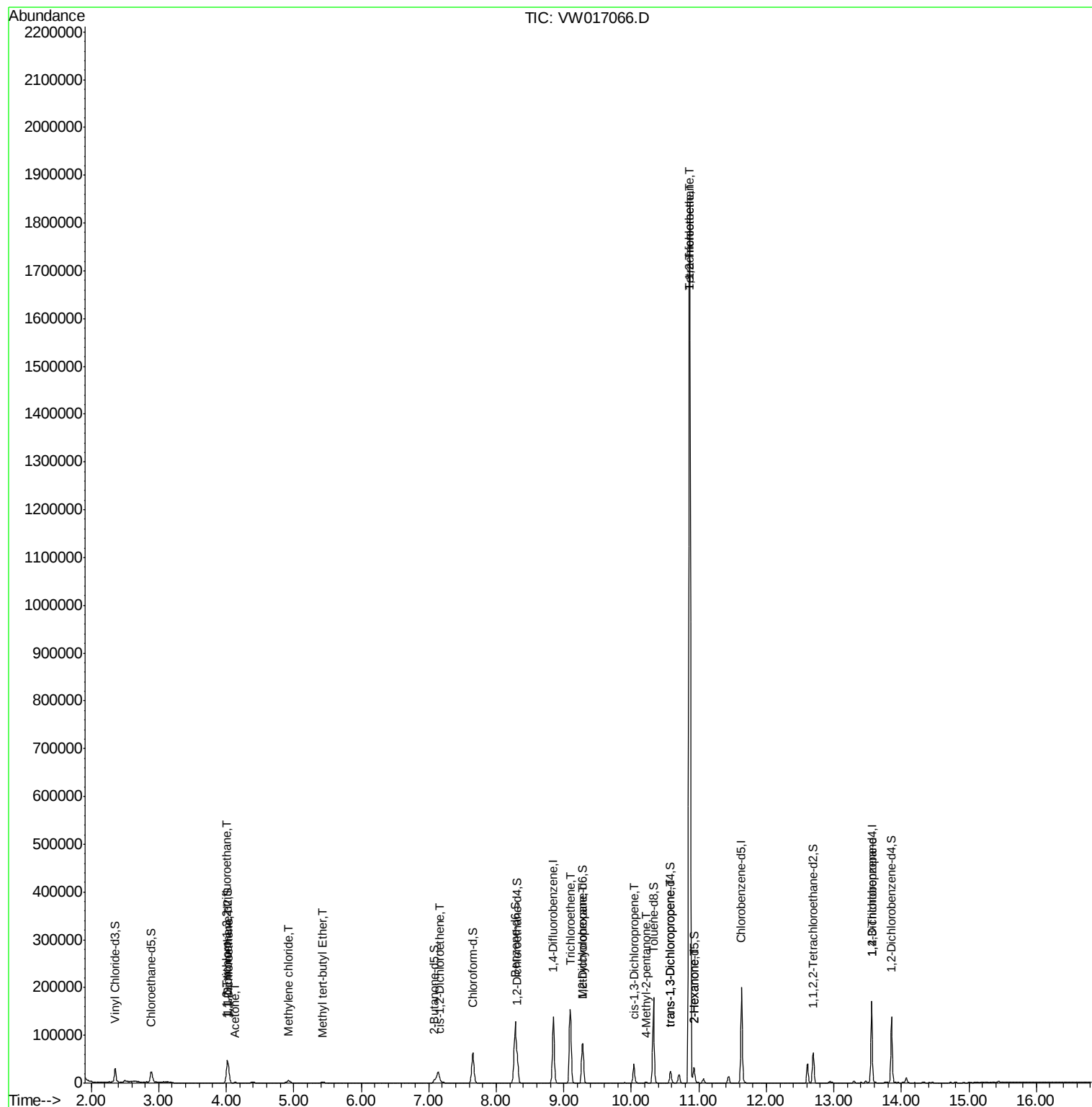
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

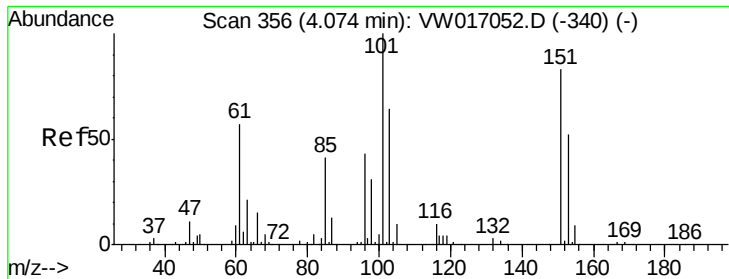
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110320\
Data File : VW017066.D
Acq On : 03 Nov 2020 17:54
Operator : SY/VA
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Quant Time: Nov 04 04:12:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 04 04:03:33 2020
Response via : Initial Calibration





#11

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

Concen: 0.270 ug/L

RT: 4.01 min Scan# 345

Delta R.T. -0.07 min

Lab File: VW017066.D

Acq: 03 Nov 2020 17:54

Instrument :

MSVOA_W

ClientSampled :

BG483

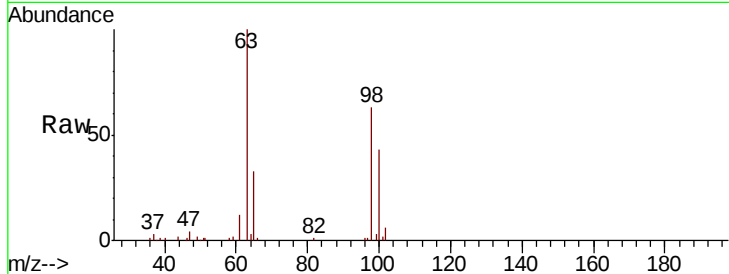
Tot Ion:101 Resp: 475

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

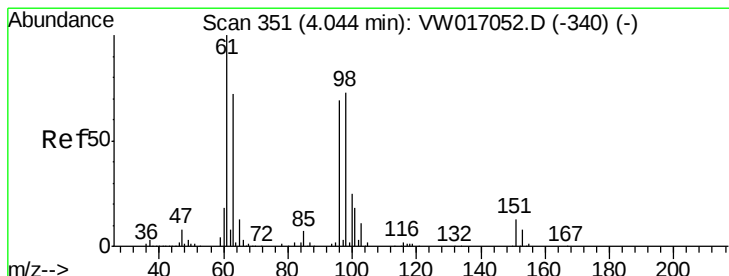
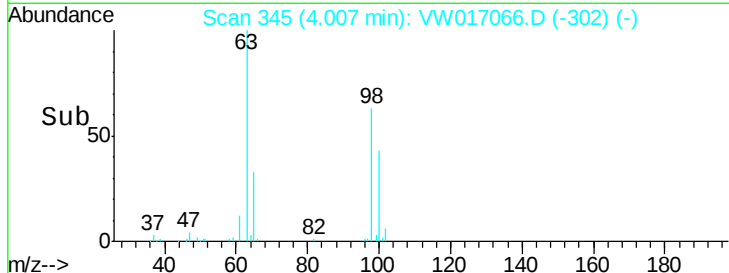
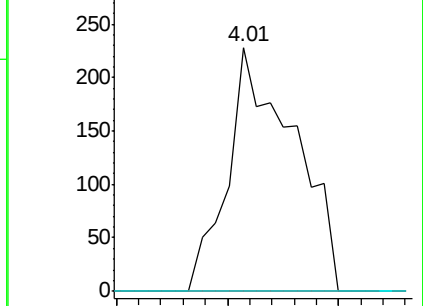
151 0.0 65.7 98.5#



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: 0.280 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW017066.D

Acq: 03 Nov 2020 17:54

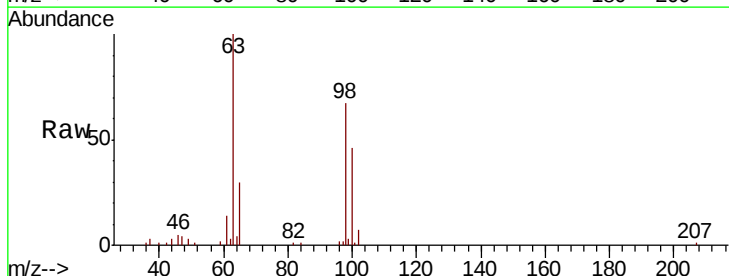
Tgt Ion: 96 Resp: 469

Ion Ratio Lower Upper

96 100

61 619.8 101.4 188.4#

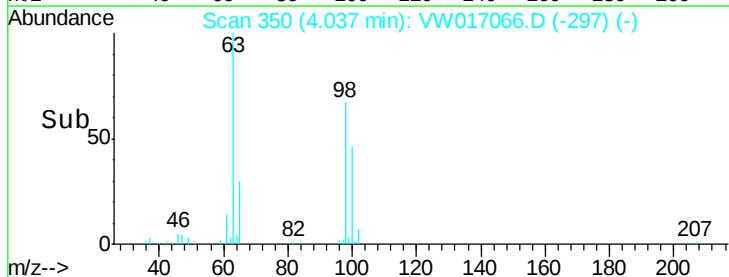
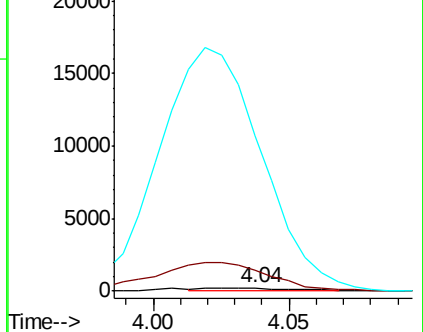
63 4511.4 78.5 145.9#

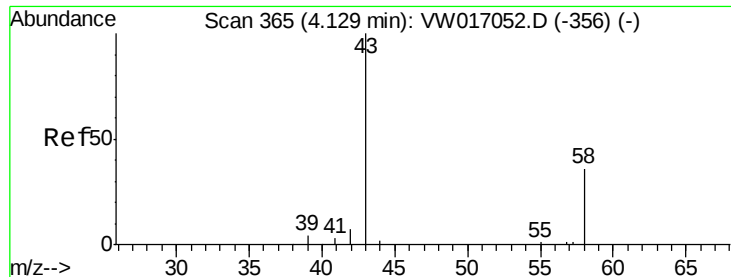


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 6.819 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017066.D

Acq: 03 Nov 2020 17:54

Instrument :

MSVOA_W

ClientSampled :

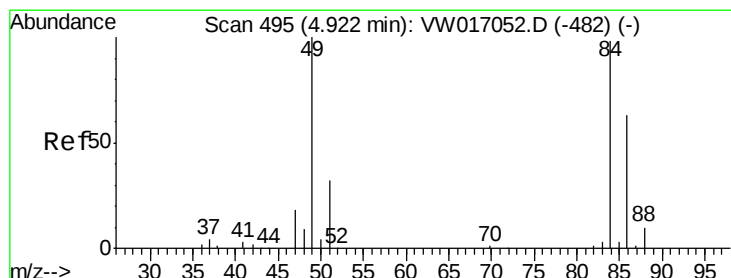
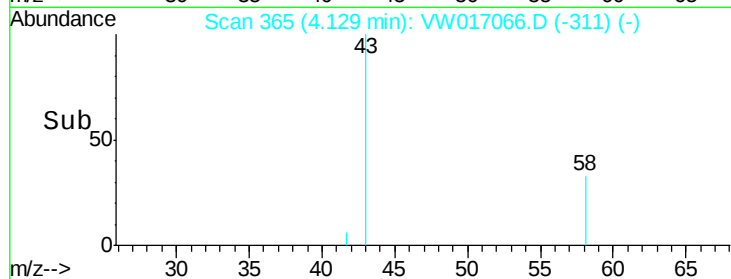
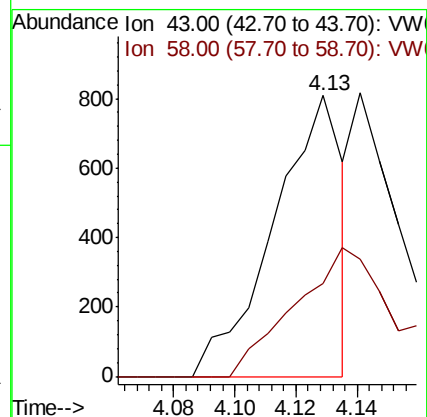
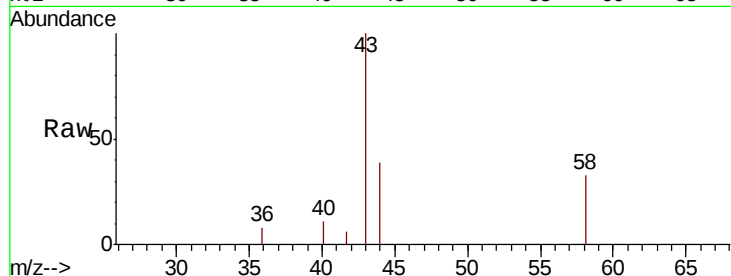
BG483

Tot Ion: 43 Resp: 1275

Ion Ratio Lower Upper

43 100

58 56.5 0.0 69.8



#16

Methylene chloride

Concen: 2.592 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW017066.D

Acq: 03 Nov 2020 17:54

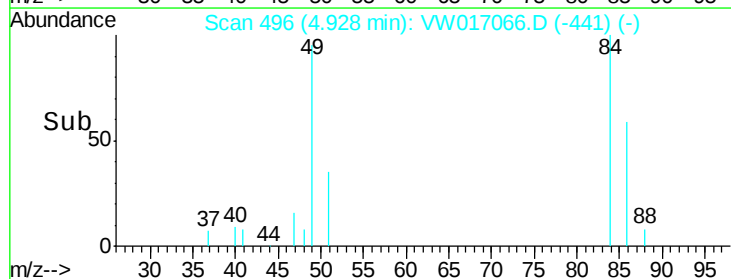
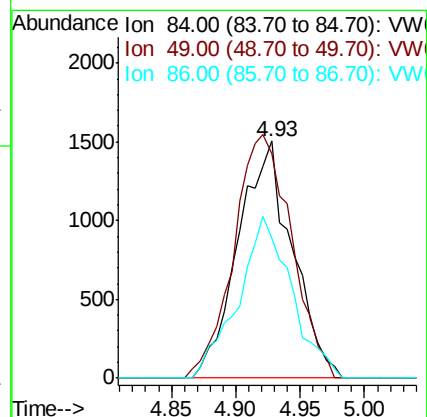
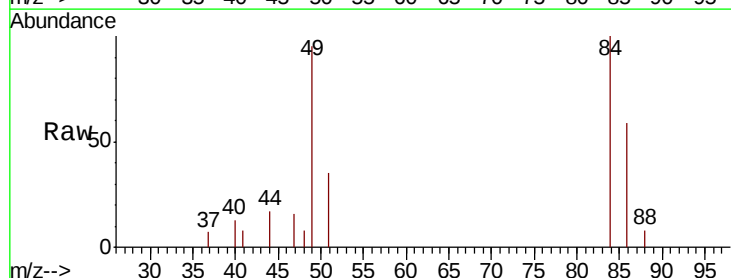
Tgt Ion: 84 Resp: 4380

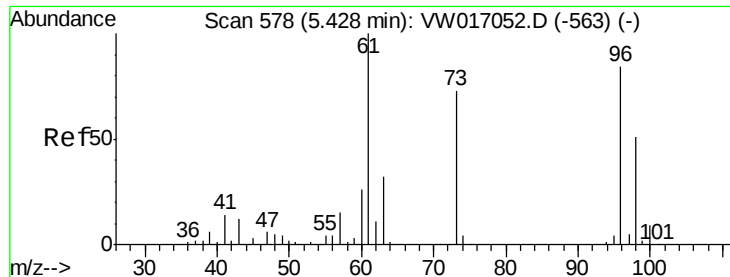
Ion Ratio Lower Upper

84 100

49 94.8 73.8 137.0

86 59.2 47.4 88.0

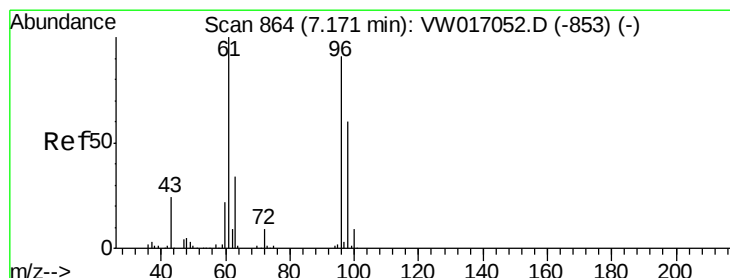
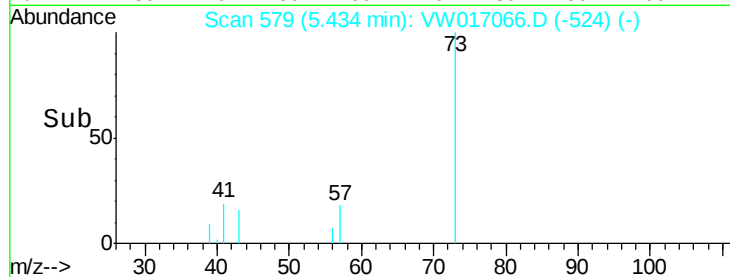
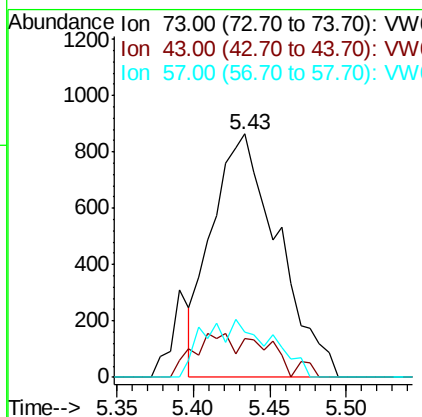
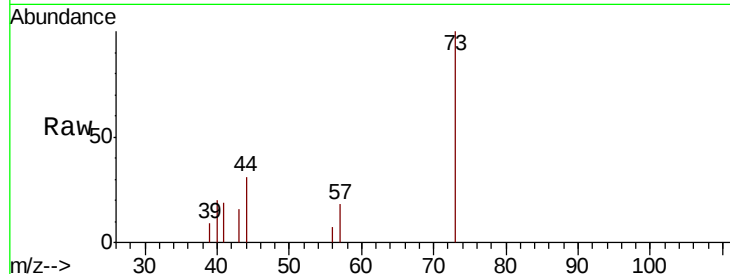




#17
Methvl tert-butvl Ether
Concen: 1.427 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017066.D
Acq: 03 Nov 2020 17:54

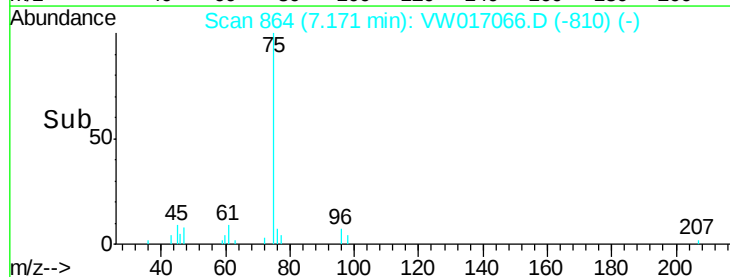
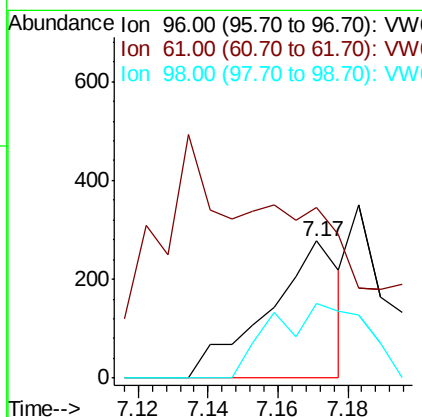
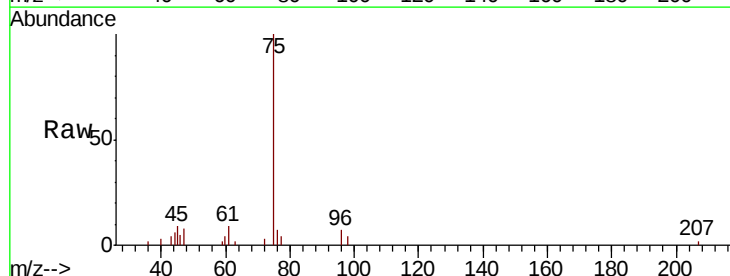
Instrument :
MSVOA_W
ClientSampled :
BG483

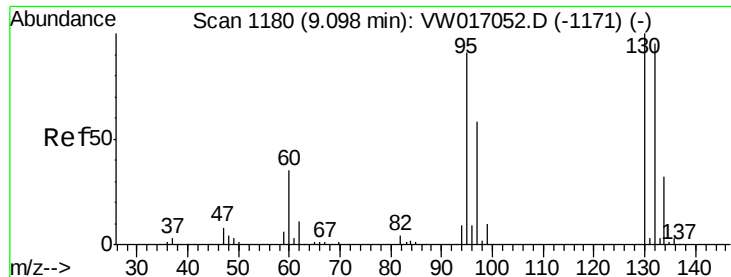
Tot Ion: 73 Resp: 2602
Ion Ratio Lower Upper
73 100
43 5.1 14.4 21.6#
57 3.9 16.6 25.0#



#22
cis-1,2-Dichloroethene
Concen: 0.224 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017066.D
Acq: 03 Nov 2020 17:54

Tgt Ion: 96 Resp: 397
Ion Ratio Lower Upper
96 100
61 124.9 77.4 143.8
98 54.5 44.4 82.5





#35

Trichloroethene

Concen: 28.676 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW017066.D

Acq: 03 Nov 2020 17:54

Instrument :

MSVOA_W

ClientSampleId :

BG483

Tot Ion: 95 Resp: 53547

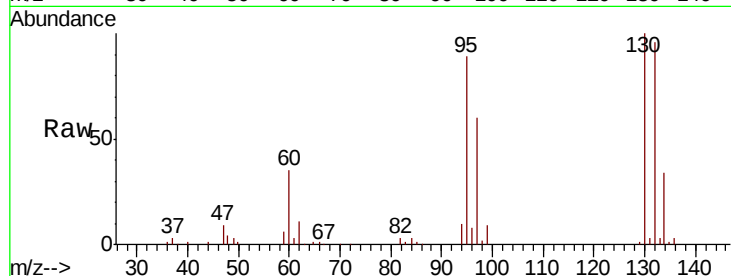
Ion Ratio Lower Upper

95 100

97 64.9 46.0 85.4

132 108.6 73.9 137.3

130 113.0 77.6 144.2

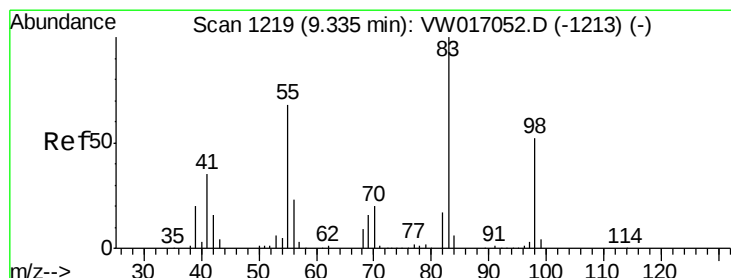
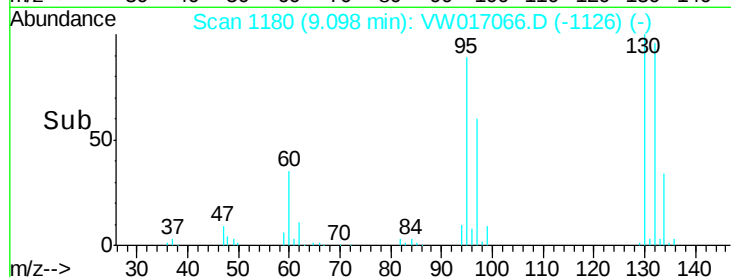
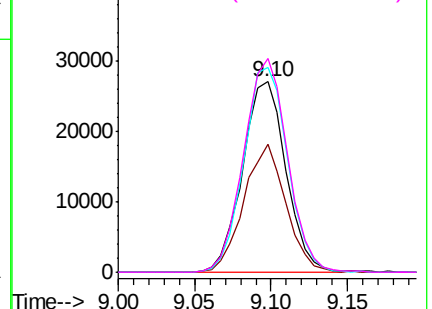


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#36

Methylcyclohexane

Concen: 3.492 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW017066.D

Acq: 03 Nov 2020 17:54

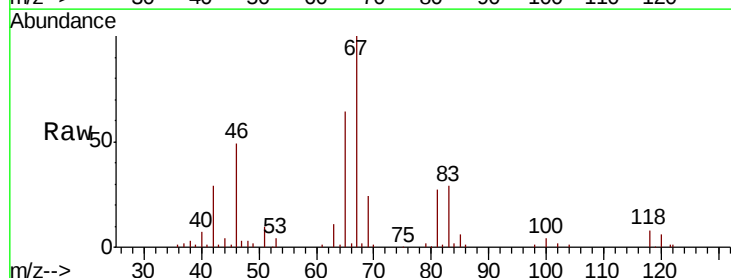
Tgt Ion: 83 Resp: 10952

Ion Ratio Lower Upper

83 100

55 0.0 54.5 81.7#

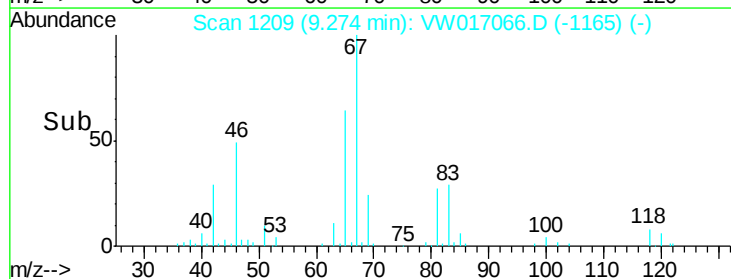
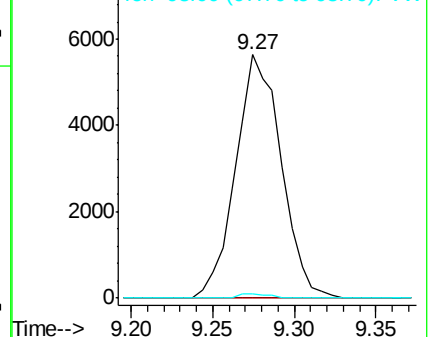
98 1.1 40.8 61.2#

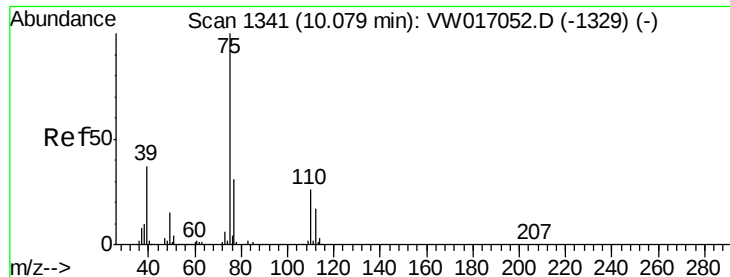


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.482 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017066.D

Acq: 03 Nov 2020 17:54

Instrument :

MSVOA_W

ClientSampleId :

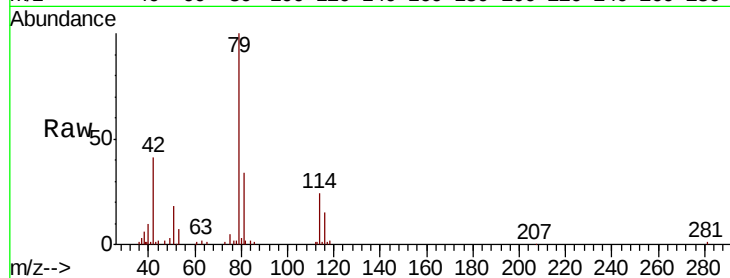
BG483

Tot Ion: 75 Resp: 1135

Ion Ratio Lower Upper

75 100

77 46.7 22.7 42.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.04

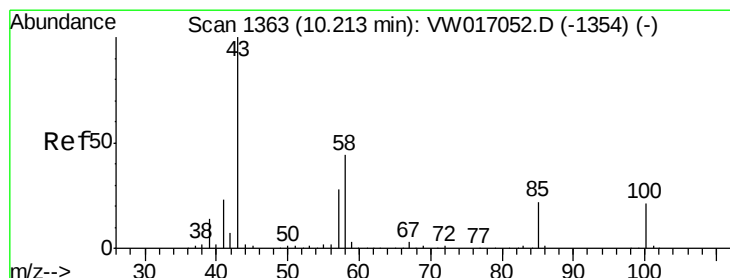
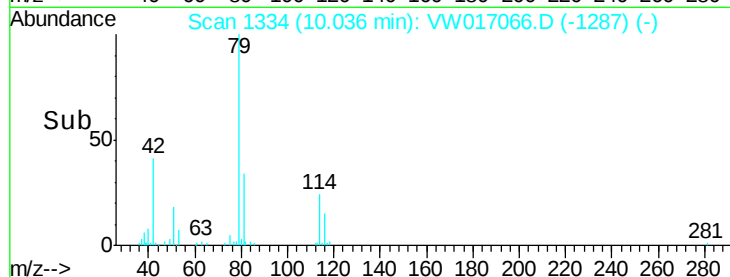
600

400

200

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 2.054 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017066.D

Acq: 03 Nov 2020 17:54

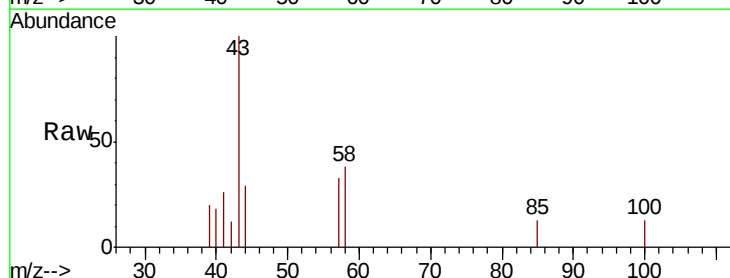
Tgt Ion: 43 Resp: 1466

Ion Ratio Lower Upper

43 100

58 35.0 34.4 51.6

100 16.6 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

1000

800

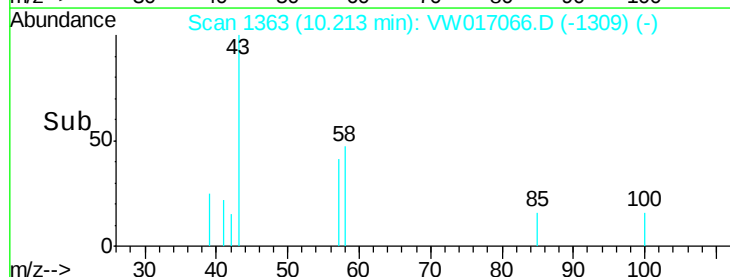
600

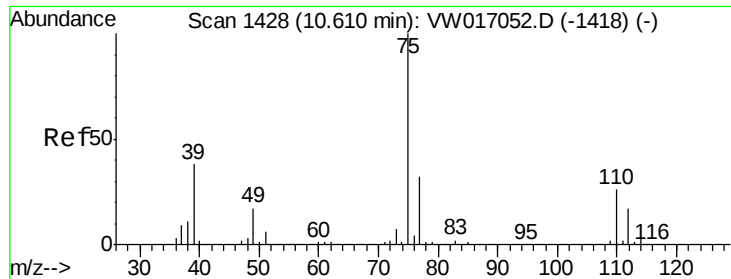
400

200

0

Time-->





#45

trans-1,3-Dichloropropene

Concen: 0.331 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017066.D

Acq: 03 Nov 2020 17:54

Instrument :

MSVOA_W

ClientSampled :

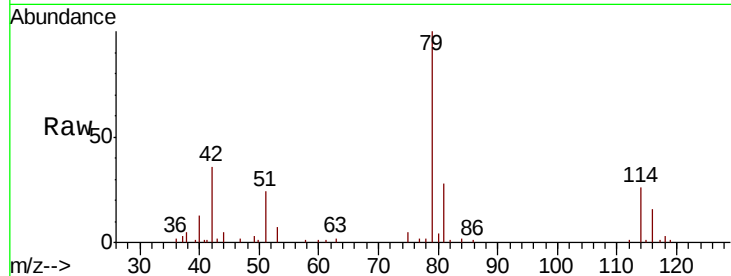
BG483

Tot Ion: 75 Resp: 646

Ion Ratio Lower Upper

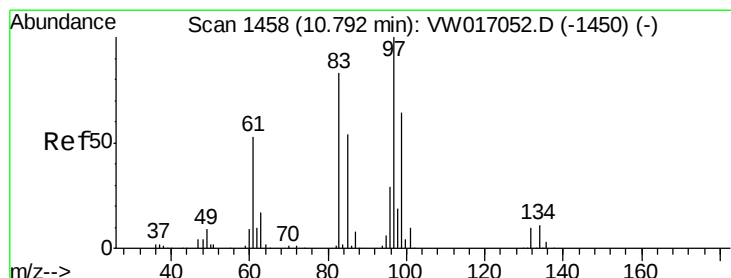
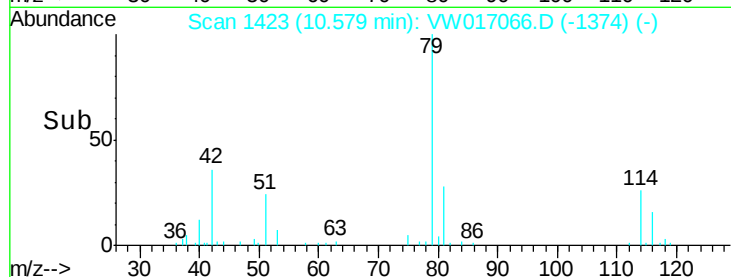
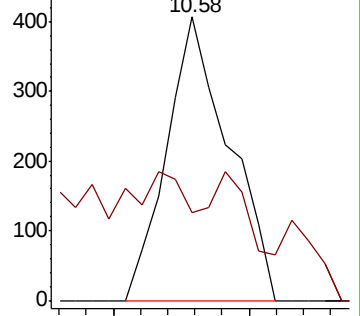
75 100

77 31.0 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 2.813 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.07 min

Lab File: VW017066.D

Acq: 03 Nov 2020 17:54

Tgt Ion: 97 Resp: 3390

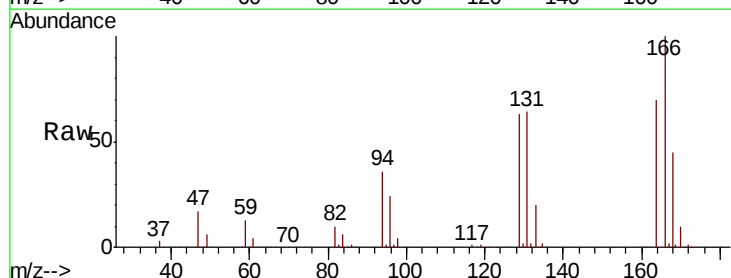
Ion Ratio Lower Upper

97 100

83 267.1 56.6 105.0#

85 32.2 34.6 64.3#

99 14.5 43.5 80.9#

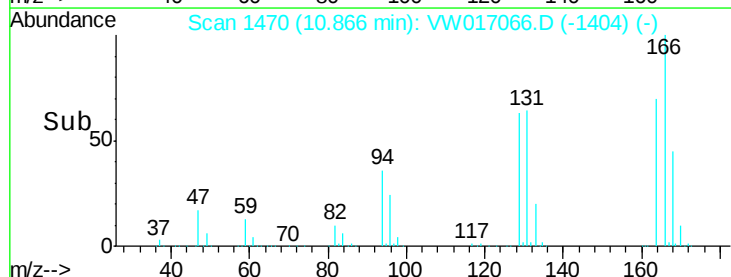
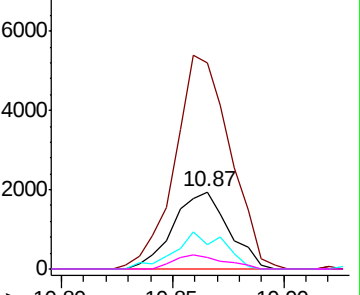


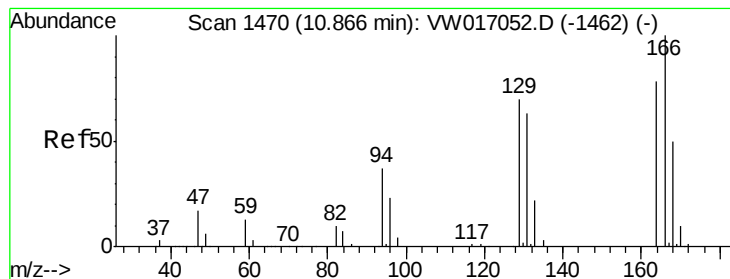
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW





#47

Tetrachloroethene

Concen: 259.964 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017066.D

Acq: 03 Nov 2020 17:54

Instrument :

MSVOA_W

ClientSampled :

BG483

Tot Ion:164 Resp: 446529

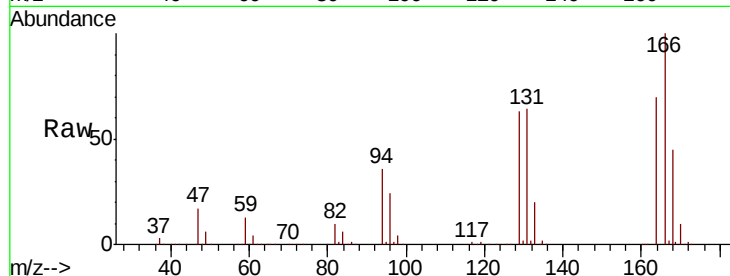
Ion Ratio Lower Upper

164 100

129 90.0 64.0 119.0

131 92.3 61.7 114.5

166 143.8 94.6 175.8

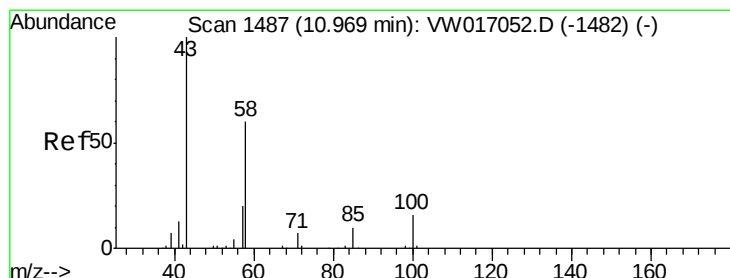
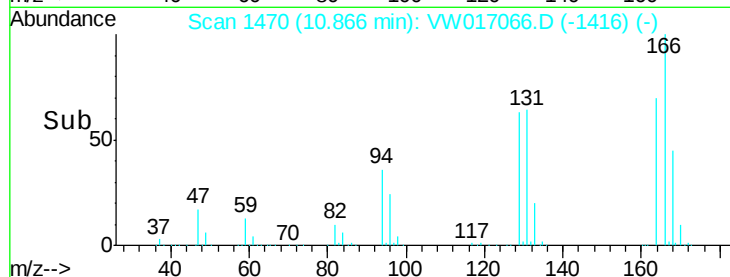
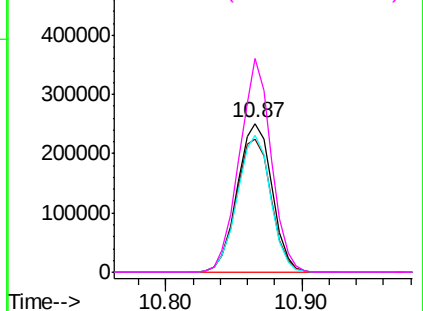


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 2.697 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW017066.D

Acq: 03 Nov 2020 17:54

Tgt Ion: 43 Resp: 1227

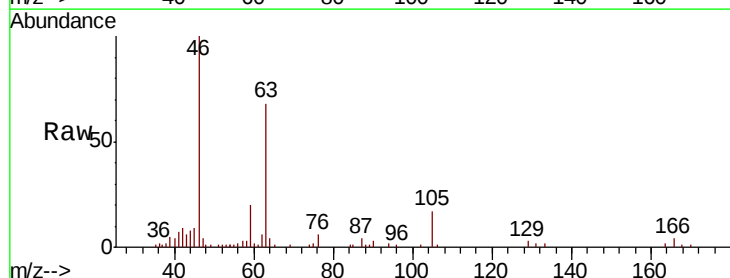
Ion Ratio Lower Upper

43 100

58 23.9 49.2 73.8#

57 24.8 17.0 25.4

100 0.0 13.2 19.8#

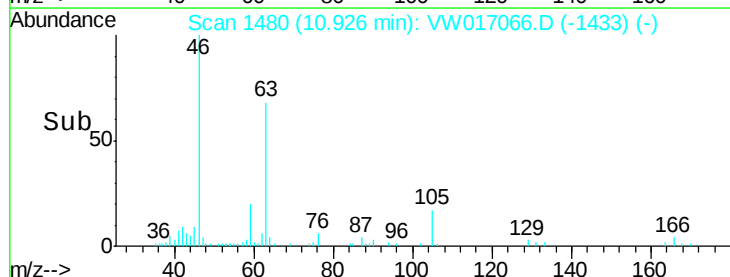
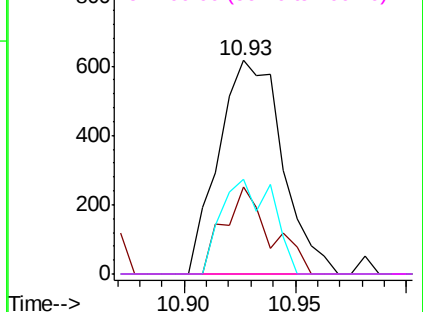


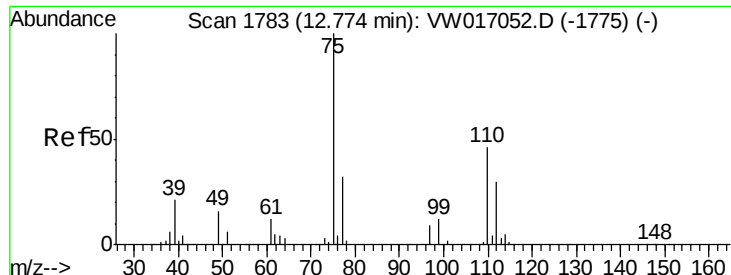
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#59

1,2,3-Trichloropropane

Concen: 5.398 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017066.D

Acq: 03 Nov 2020 17:54

Instrument :

MSVOA_W

ClientSampleId :

BG483

Tot Ion: 75 Resp: 4997

Ion Ratio Lower Upper

75 100

77 37.5 25.8 38.8

