

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110320\
 Data File : VW017064.D
 Acq On : 03 Nov 2020 17:07
 Operator : SY/VA
 Sample : L4615-10
 Misc : 5.87G/10ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG482

Quant Time: Nov 04 04:12:19 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	547864	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	460115	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	189094	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	131453	20.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.16%
7) Chloroethane-d5	2.90	69	110061	22.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.84%
10) 1,1-Dichloroethene-d2	4.02	63	190163	15.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.84%
20) 2-Butanone-d5	7.08	46	50347	42.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.54%
24) Chloroform-d	7.65	84	270805	21.43	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.72%
26) 1,2-Dichloroethane-d4	8.31	65	126664	21.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.20%
29) Benzene-d6	8.27	84	558782	23.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.56%
33) 1,2-Dichloropropane-d6	9.27	67	152885	23.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.84%
37) Toluene-d8	10.33	98	515181	23.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.60%
38) trans-1,3-Dichloropropene-	10.58	79	50773	18.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.00%
39) 2-Hexanone-d5	10.93	63	39350	43.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	105640	21.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	154659	23.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.03	96	5078	0.708	ug/L #	1
13) Acetone	4.12	43	6243	7.789	ug/L	95
14) Carbon disulfide	4.39	76	18673	0.859	ug/L	95
16) Methylene chloride	4.92	84	14110	1.948	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	1800	0.230	ug/L #	93
21) 2-Butanone	7.17	43	1290	0.962	ug/L	88
22) cis-1,2-Dichloroethene	7.18	96	6900	0.910	ug/L	95
34) Benzene	8.33	78	30680	1.207	ug/L	100
35) Trichloroethene	9.10	95	496611	70.544	ug/L	99
40) 1,2-Dichloropropane	9.09	63	1582	0.279	ug/L	99
42) cis-1,3-Dichloropropene	10.04	75	3435	0.387	ug/L #	69
43) 4-Methyl-2-pentanone	10.21	43	2796	1.039	ug/L #	94
45) trans-1,3-Dichloropropene	10.58	75	2224	0.302	ug/L	98
47) Tetrachloroethene	10.86	164	12069266	1863.807	ug/L	92
59) 1,2,3-Trichloropropane	12.61	75	686	0.197	ug/L #	52

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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

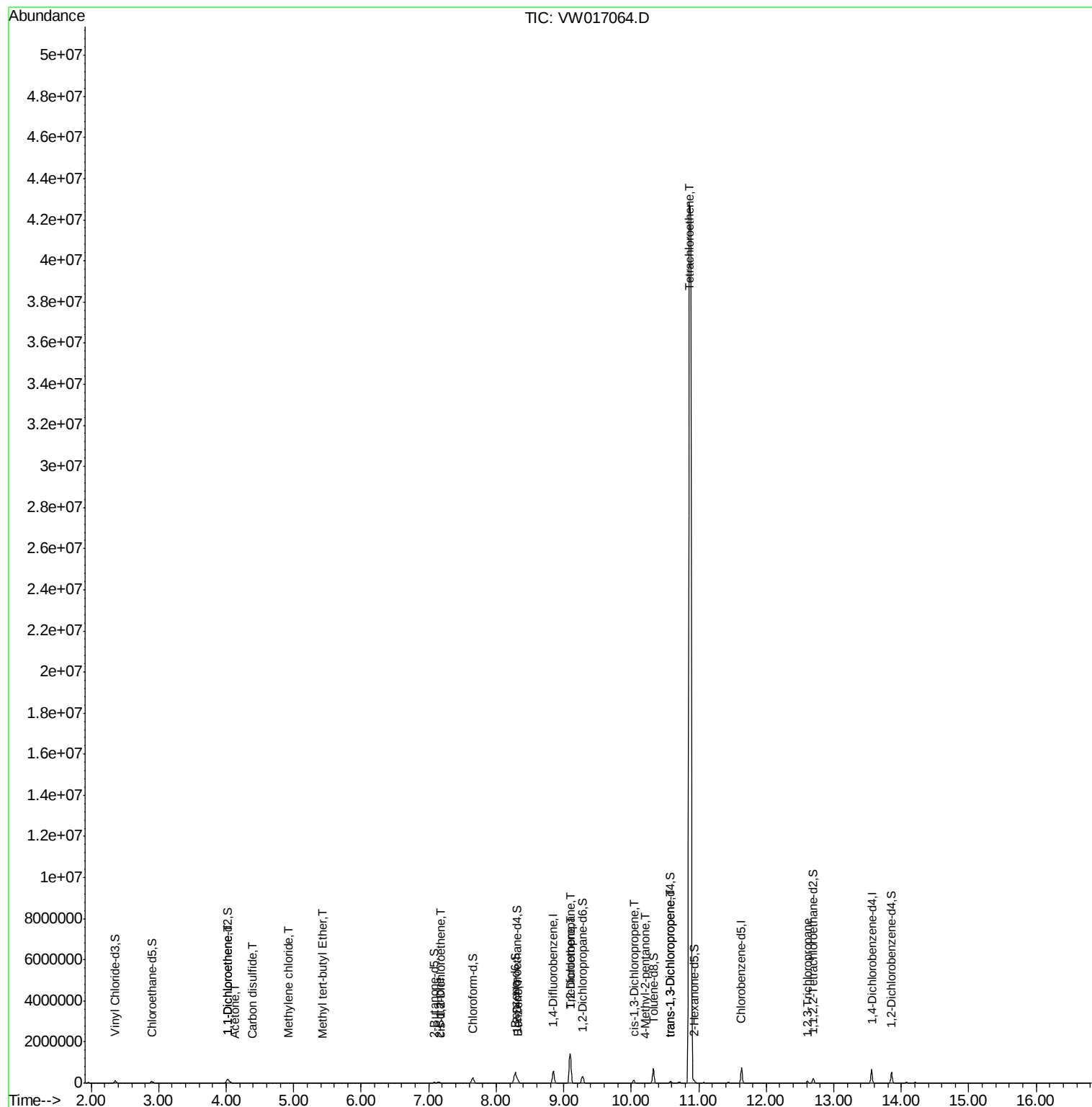
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

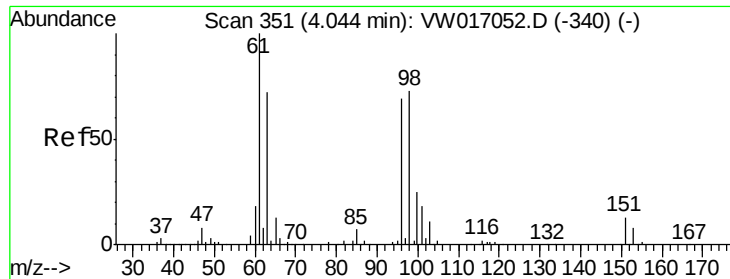
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110320\
Data File : VW017064.D
Acq On : 03 Nov 2020 17:07
Operator : SY/VA
Sample : L4615-10
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Quant Title : VOC Analysis
QLast Update : Wed Nov 04 04:03:33 2020
Response via : Initial Calibration

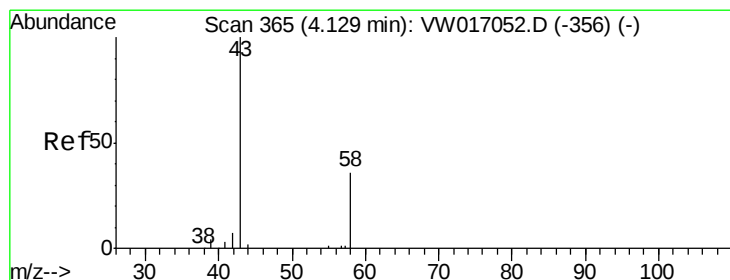
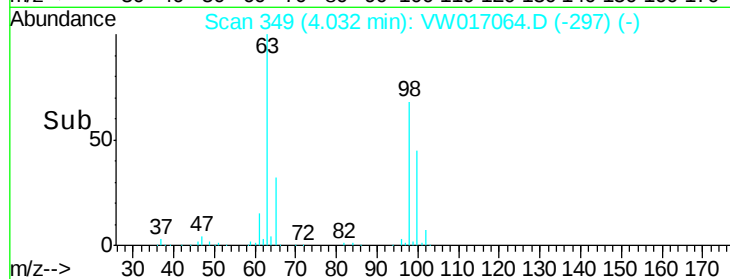
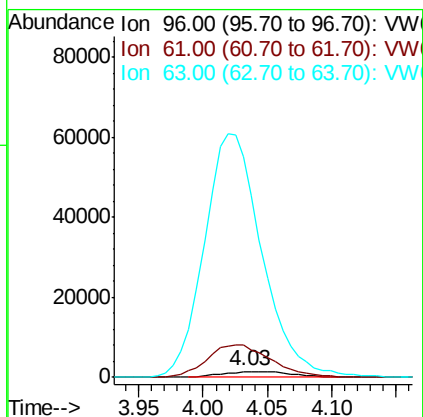
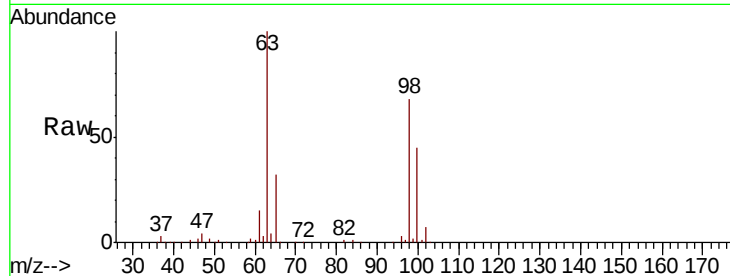




#12
 1,1-Dichloroethene
 Concen: 0.708 ug/L
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW017064.D
 Acq: 03 Nov 2020 17:07

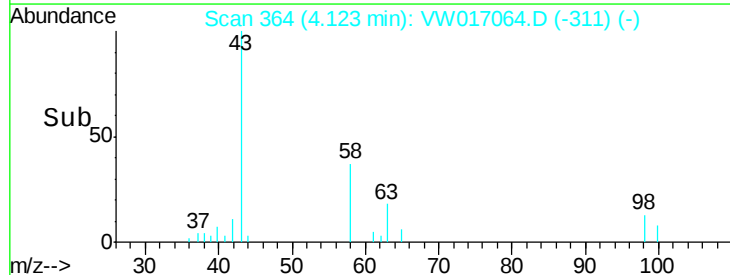
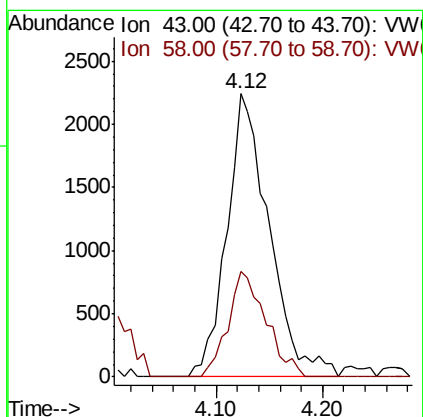
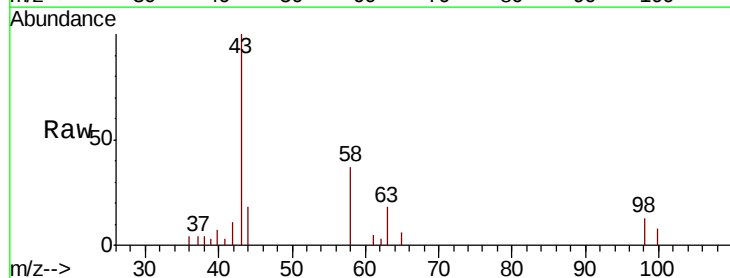
Instrument :
 MSVOA_W
 ClientSampleId :
 BG482

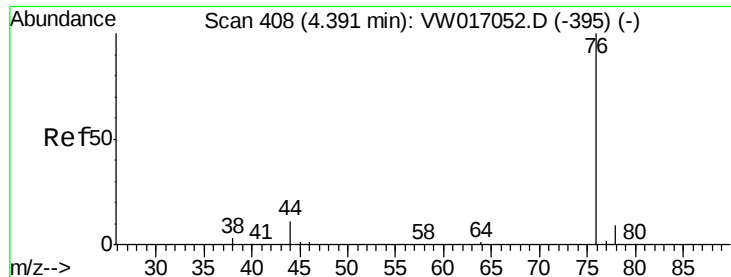
Tot Ion: 96 Resp: 5078
 Ion Ratio Lower Upper
 96 100
 61 526.2 101.4 188.4#
 63 3582.3 78.5 145.9#



#13
 Acetone
 Concen: 7.789 ug/L
 RT: 4.12 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VW017064.D
 Acq: 03 Nov 2020 17:07

Tgt Ion: 43 Resp: 6243
 Ion Ratio Lower Upper
 43 100
 58 32.2 0.0 69.8





#14

Carbon disulfide

Concen: 0.859 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017064.D

Acq: 03 Nov 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

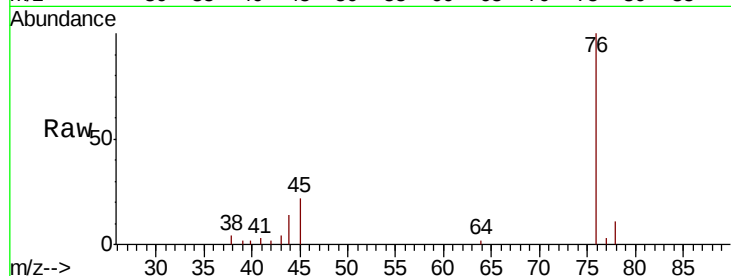
BG482

Tot Ion: 76 Resp: 18673

Ion Ratio Lower Upper

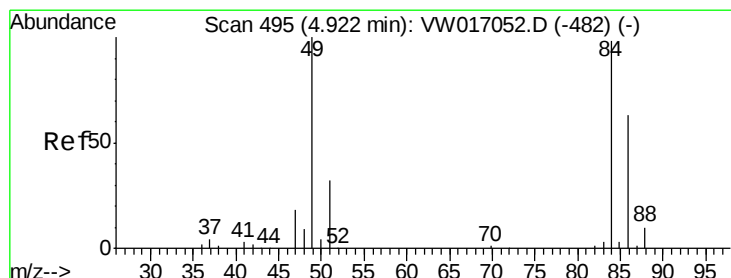
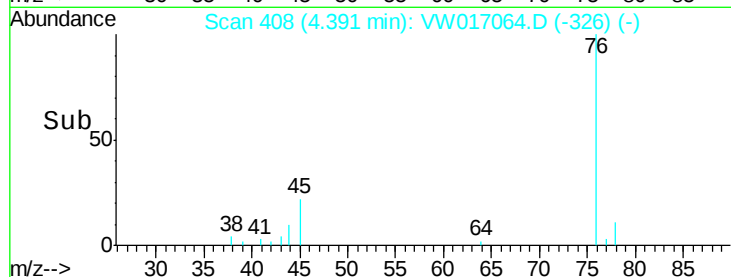
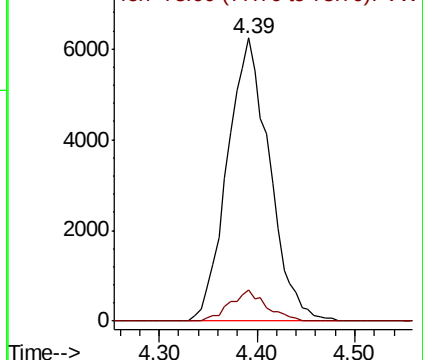
76 100

78 10.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#16

Methylene chloride

Concen: 1.948 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017064.D

Acq: 03 Nov 2020 17:07

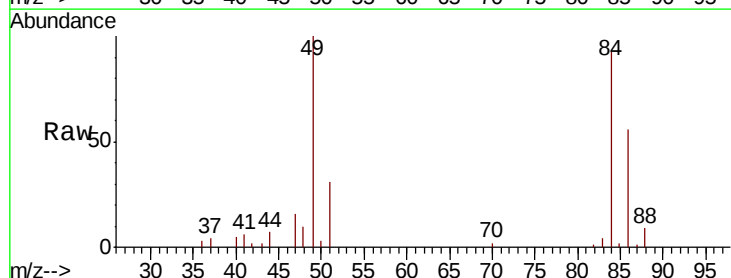
Tgt Ion: 84 Resp: 14110

Ion Ratio Lower Upper

84 100

49 107.3 73.8 137.0

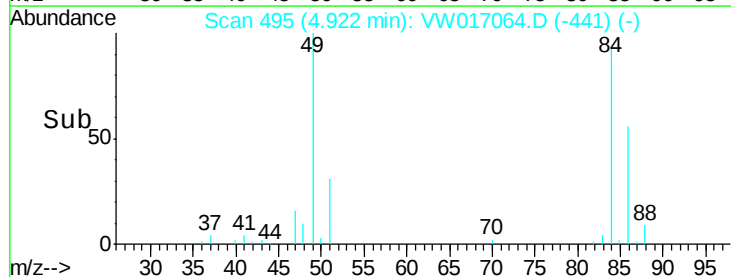
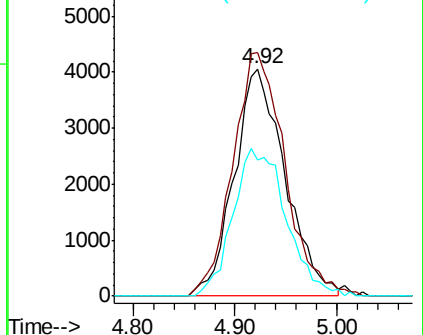
86 59.8 47.4 88.0

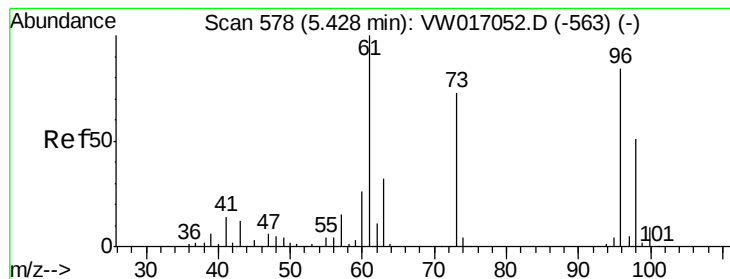


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 0.230 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW017064.D

Acq: 03 Nov 2020 17:07

Instrument :

MSVOA_W

ClientSampled :

BG482

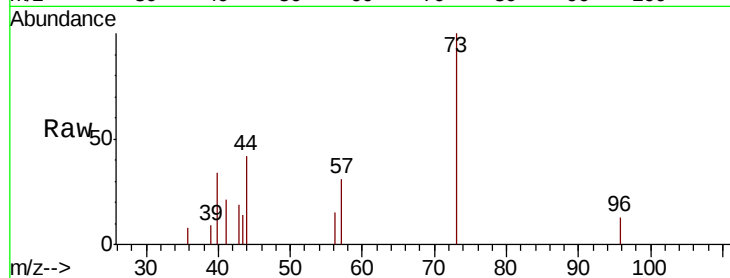
Tot Ion: 73 Resp: 1800

Ion Ratio Lower Upper

73 100

43 11.4 14.4 21.6#

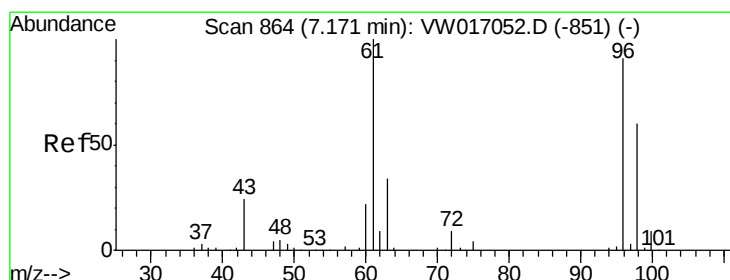
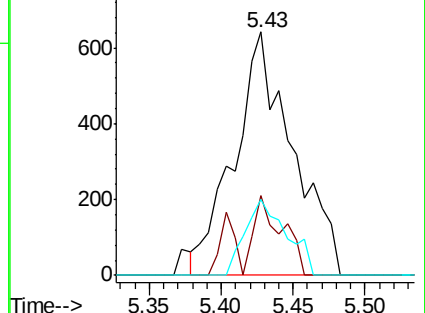
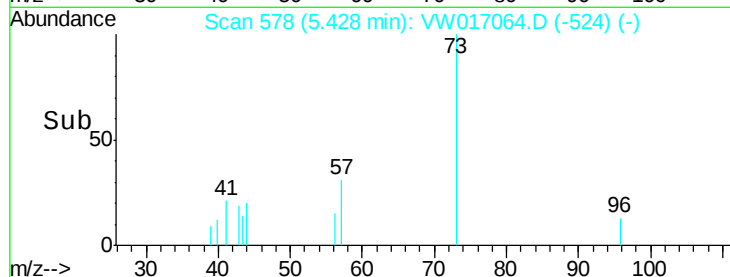
57 20.3 16.6 25.0



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#21

2-Butanone

Concen: 0.962 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW017064.D

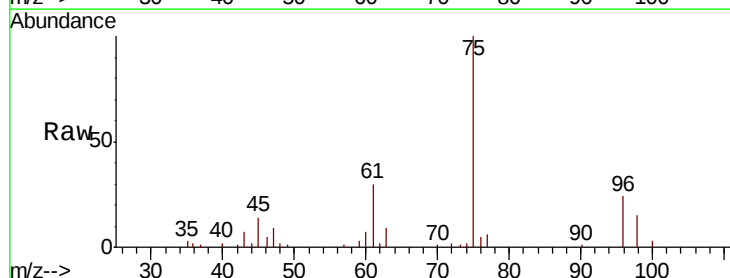
Acq: 03 Nov 2020 17:07

Tgt Ion: 43 Resp: 1290

Ion Ratio Lower Upper

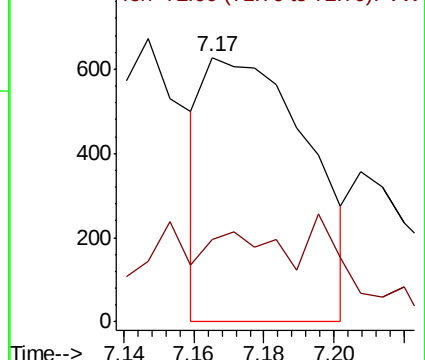
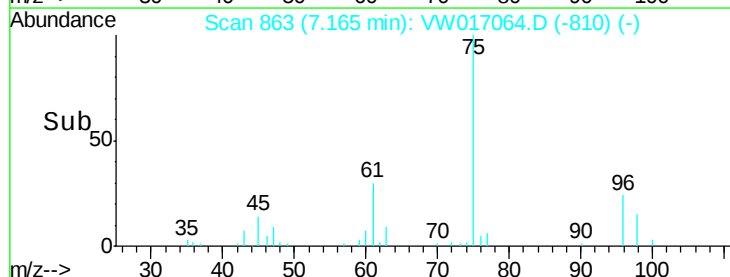
43 100

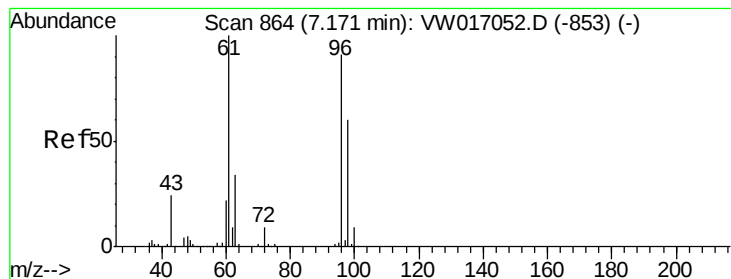
72 25.6 16.1 48.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



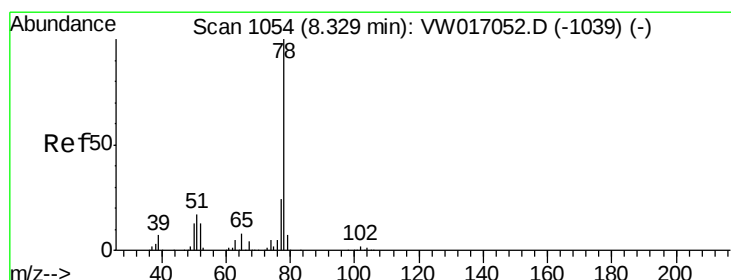
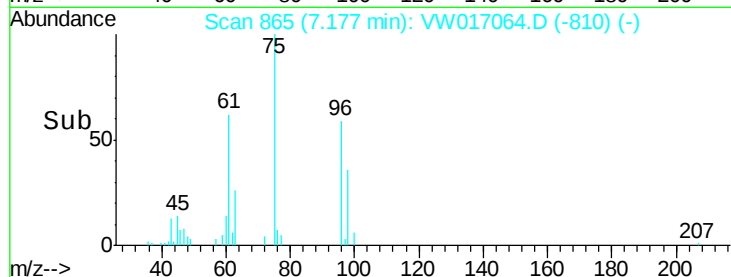
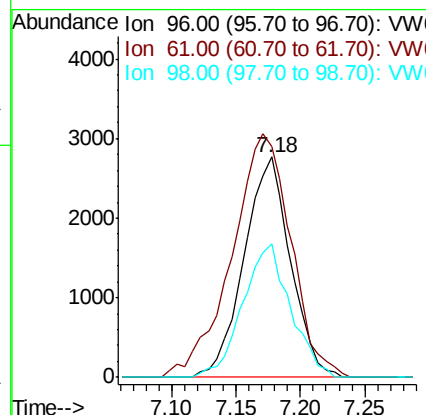
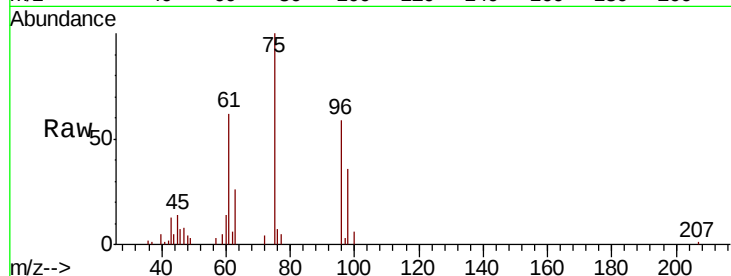


#22

cis-1,2-Dichloroethene
 Concen: 0.910 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW017064.D
 Acq: 03 Nov 2020 17:07

Instrument :
 MSVOA_W
 ClientSampled :
 BG482

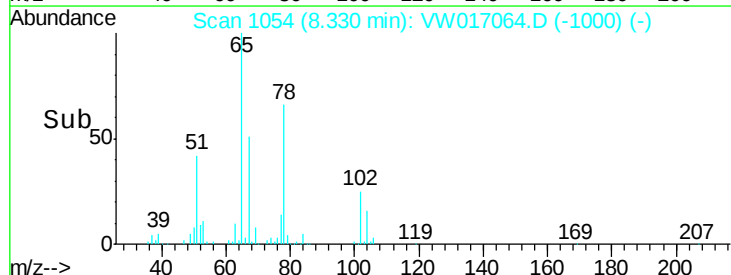
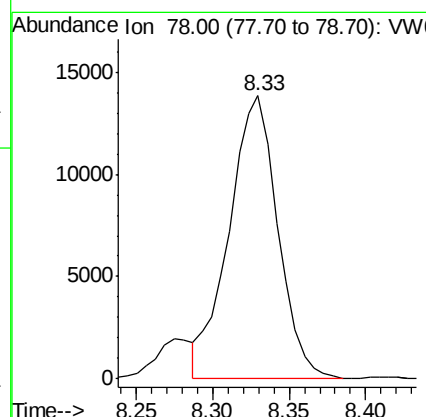
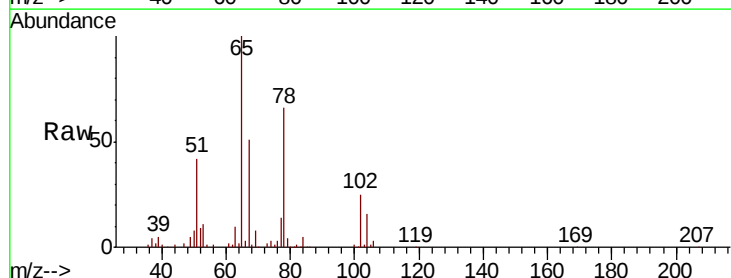
Tot Ion: 96 Resp: 6900
 Ion Ratio Lower Upper
 96 100
 61 104.6 77.4 143.8
 98 60.4 44.4 82.5

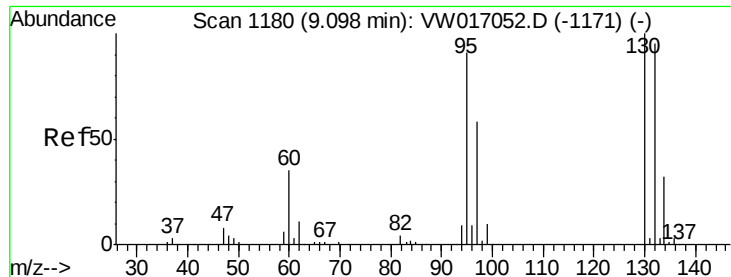


#34

Benzene
 Concen: 1.207 ug/L
 RT: 8.33 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VW017064.D
 Acq: 03 Nov 2020 17:07

Tgt Ion: 78 Resp: 30680





#35

Trichloroethene

Concen: 70.544 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW017064.D

Acq: 03 Nov 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

BG482

Tot Ion: 95 Resp: 496611

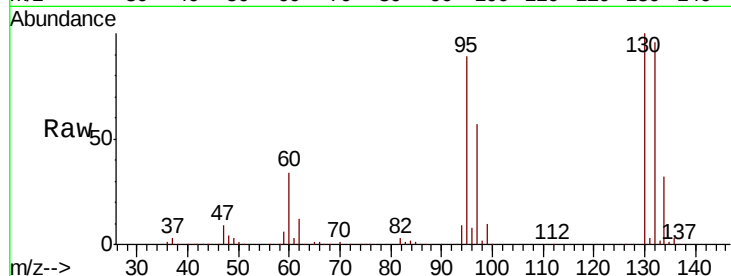
Ion Ratio Lower Upper

95 100

97 65.4 46.0 85.4

132 106.3 73.9 137.3

130 112.4 77.6 144.2

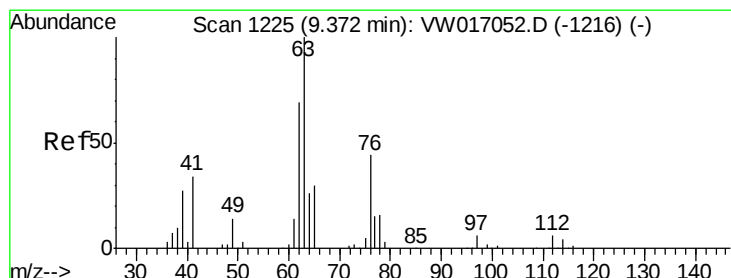
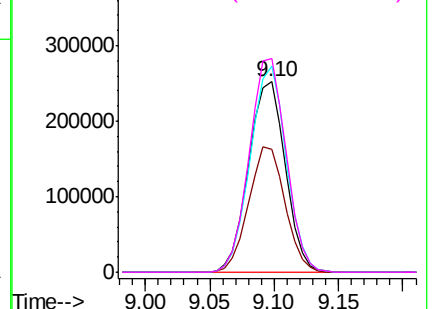
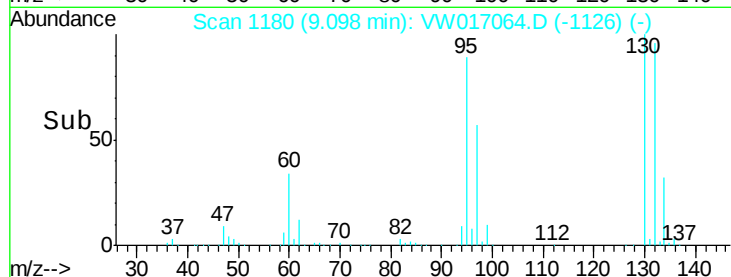


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#40

1,2-Dichloropropane

Concen: 0.279 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.28 min

Lab File: VW017064.D

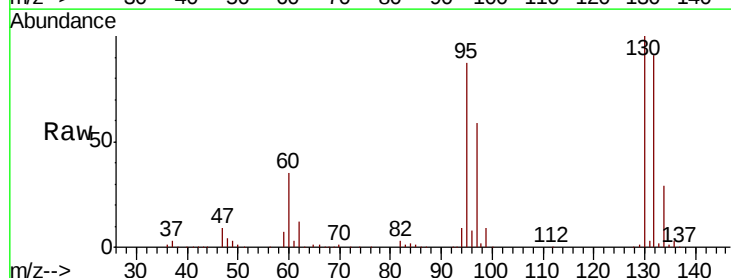
Acq: 03 Nov 2020 17:07

Tgt Ion: 63 Resp: 1582

Ion Ratio Lower Upper

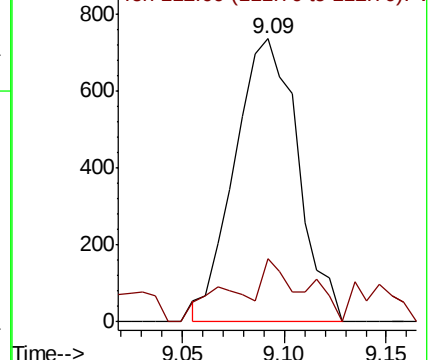
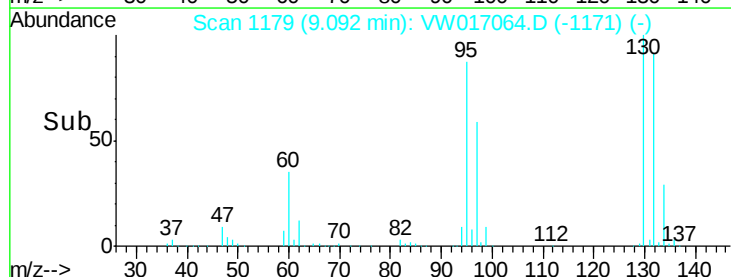
63 100

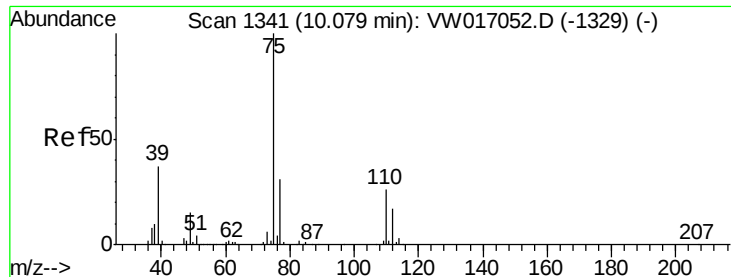
112 5.8 4.5 6.7



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: 0.387 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017064.D

Acq: 03 Nov 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

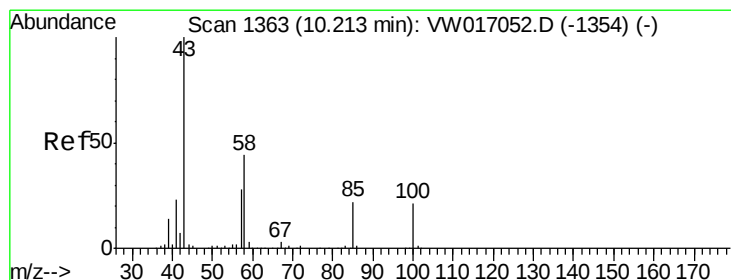
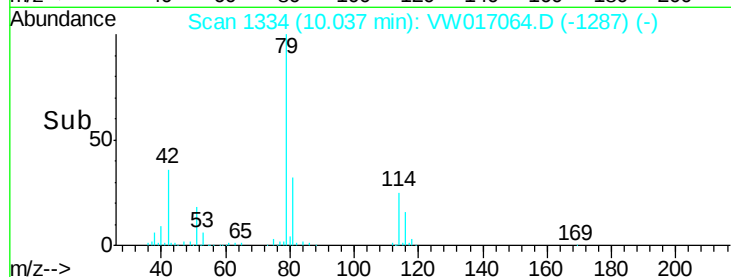
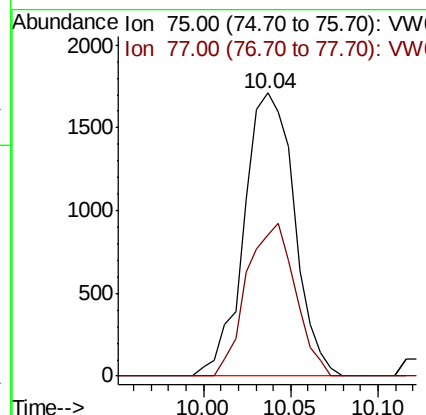
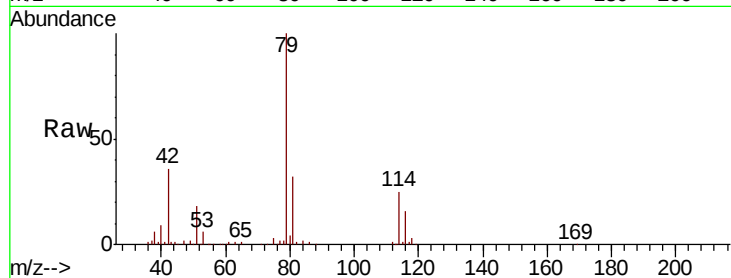
BG482

Tot Ion: 75 Resp: 3435

Ion Ratio Lower Upper

75 100

77 49.8 22.7 42.1#



#43

4-Methyl-2-pentanone

Concen: 1.039 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017064.D

Acq: 03 Nov 2020 17:07

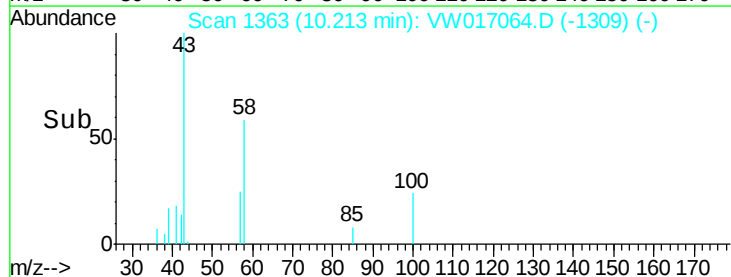
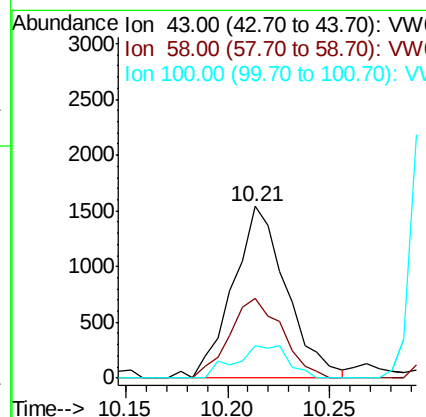
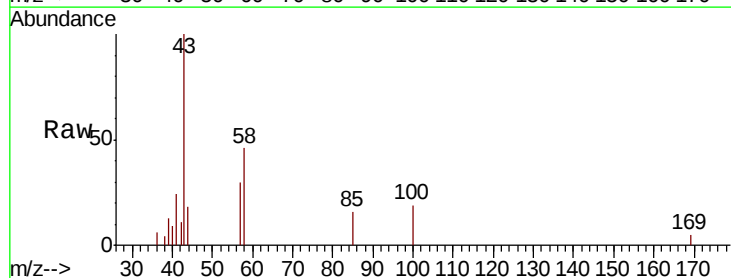
Tgt Ion: 43 Resp: 2796

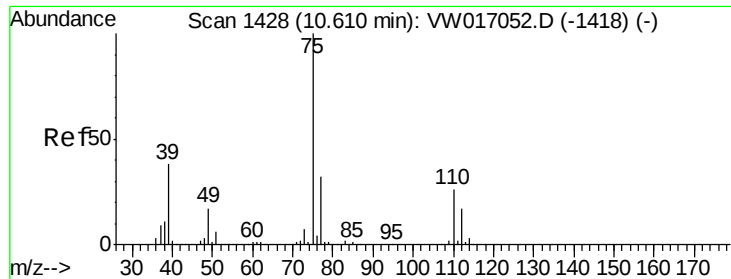
Ion Ratio Lower Upper

43 100

58 45.8 34.4 51.6

100 15.3 16.2 24.2#





#45

trans-1,3-Dichloropropene

Concen: 0.302 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017064.D

Acq: 03 Nov 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

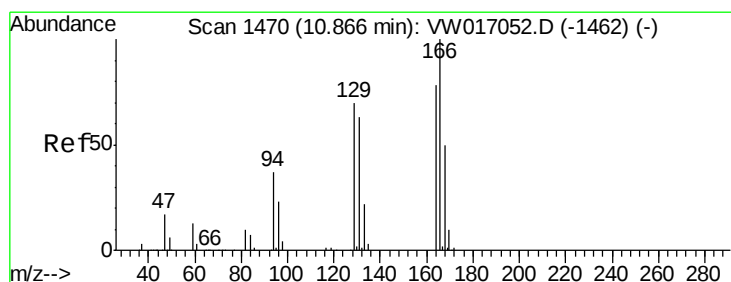
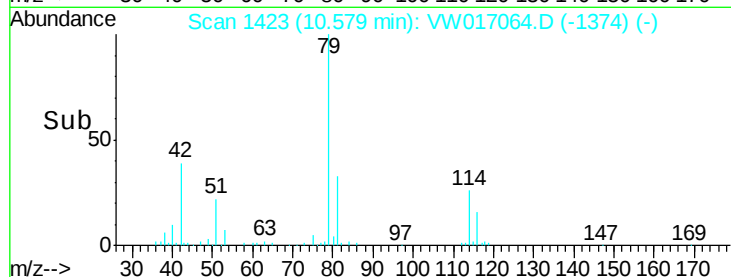
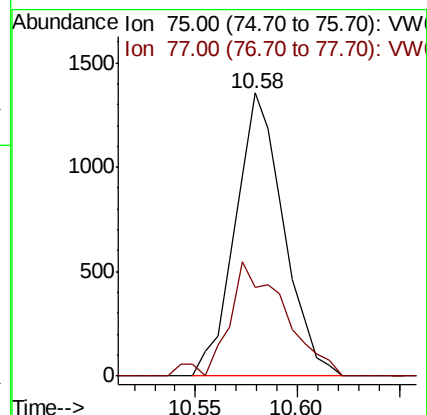
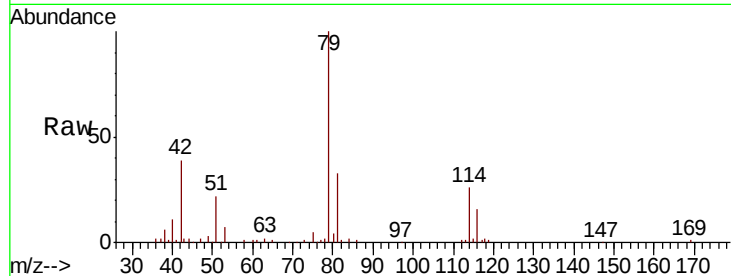
BG482

Tot Ion: 75 Resp: 2224

Ion Ratio Lower Upper

75 100

77 31.1 22.7 42.3



#47

Tetrachloroethene

Concen: 1863.807 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW017064.D

Acq: 03 Nov 2020 17:07

Tgt Ion:164 Resp:12069266

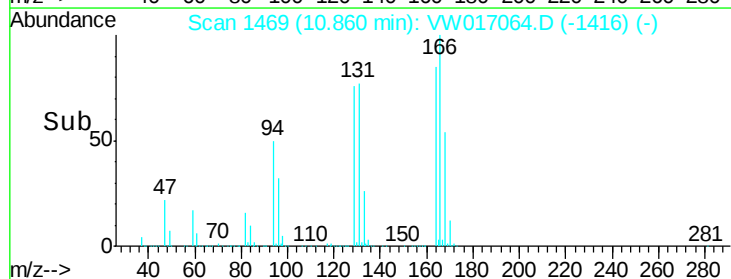
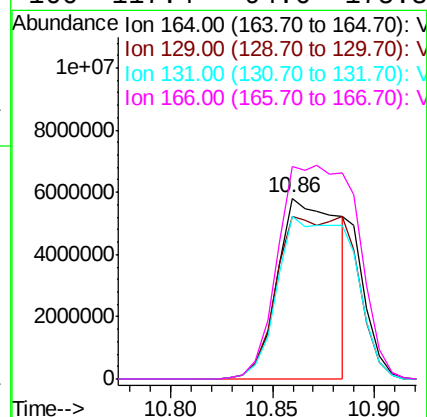
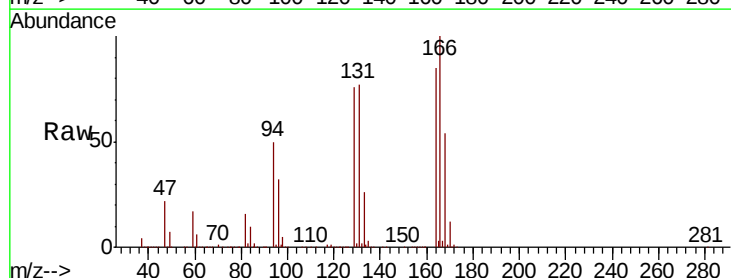
Ion Ratio Lower Upper

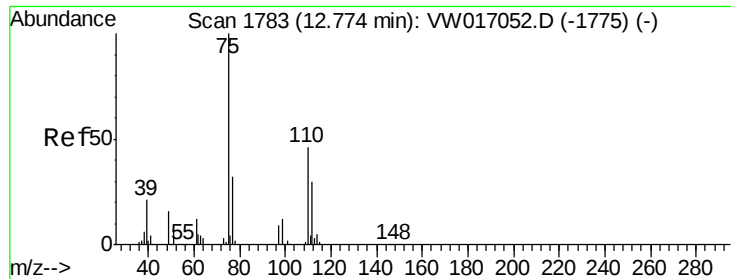
164 100

129 89.7 64.0 119.0

131 90.0 61.7 114.5

166 117.4 94.6 175.8





#59

1,2,3-Trichloropropane

Concen: 0.197 ug/L

RT: 12.61 min Scan# 1756

Delta R.T. -0.16 min

Lab File: VW017064.D

Acq: 03 Nov 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

BG482

Tot Ion: 75 Resp: 686

Ion Ratio Lower Upper

75 100

77 59.3 25.8 38.8#

