

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111120\
 Data File : VW017163.D
 Acq On : 11 Nov 2020 15:01
 Operator : SY/VA
 Sample : L4693-10
 Misc : 5.21G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4E0

Quant Time: Nov 12 03:16:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 03:07:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	445771	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	352745	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	125087	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	125447	22.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.36%
7) Chloroethane-d5	2.90	69	106119	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.12%
10) 1,1-Dichloroethene-d2	4.03	63	176228	17.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.20%
20) 2-Butanone-d5	7.09	46	41915	33.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.76%
24) Chloroform-d	7.65	84	247364	23.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.08%
26) 1,2-Dichloroethane-d4	8.31	65	119047	23.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.04%
29) Benzene-d6	8.28	84	493943	27.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.00%
33) 1,2-Dichloropropane-d6	9.28	67	133776	26.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.68%
37) Toluene-d8	10.33	98	458303	27.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.24%
38) trans-1,3-Dichloropropene-	10.59	79	50927	22.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.92%
39) 2-Hexanone-d5	10.93	63	30486	35.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	85623	19.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	110736	25.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.52%

Target Compounds

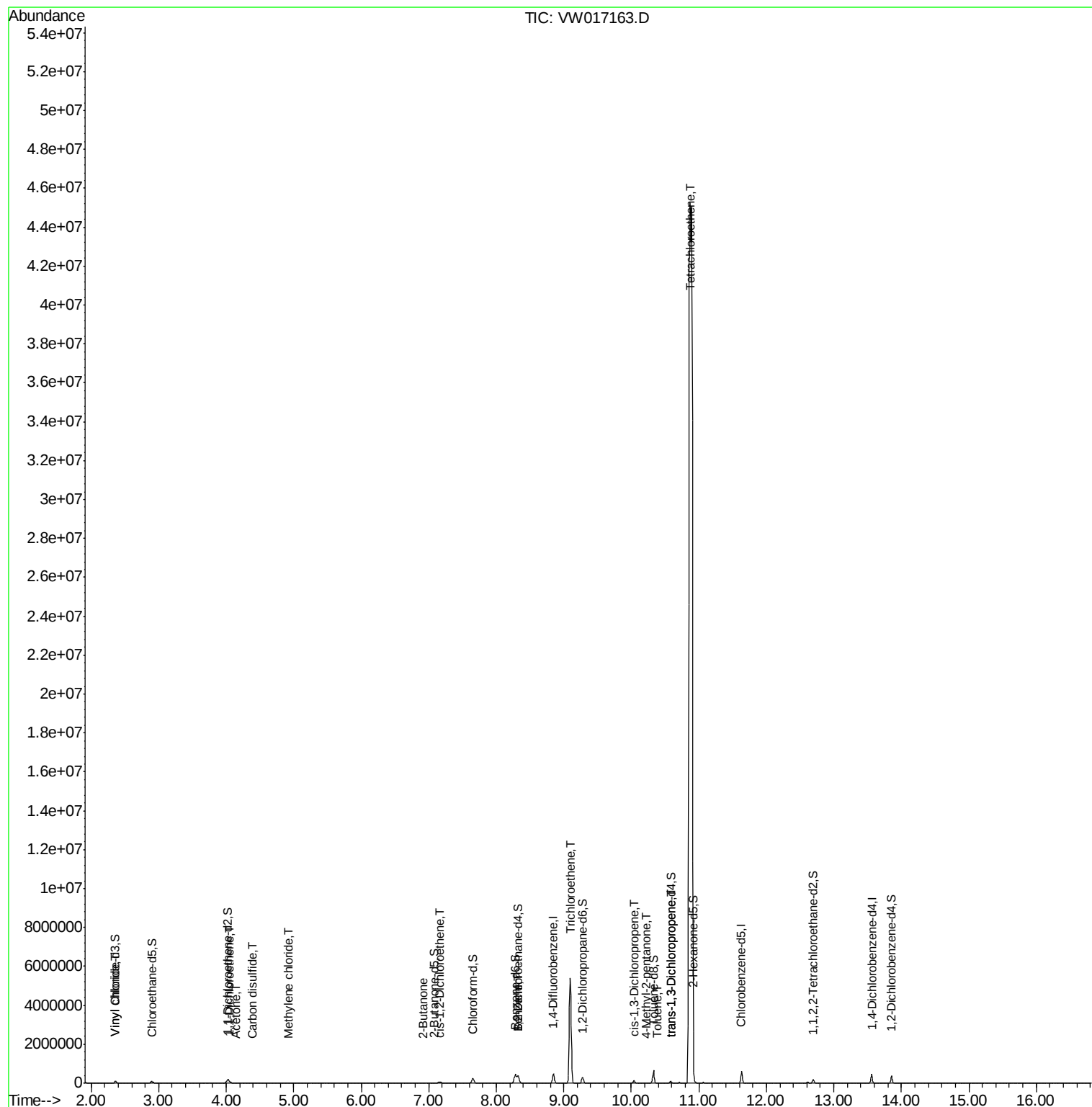
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.37	62	1691	0.284	ug/L #	1
12) 1,1-Dichloroethene	4.05	96	15013	2.714	ug/L #	1
13) Acetone	4.14	43	13491	16.047	ug/L	85
14) Carbon disulfide	4.40	76	5685	0.378	ug/L #	87
16) Methylene chloride	4.92	84	9193	1.530	ug/L	94
21) 2-Butanone	6.90	43	946	0.701	ug/L	85
22) cis-1,2-Dichloroethene	7.17	96	16722	2.762	ug/L	98
34) Benzene	8.33	78	299786	16.185	ug/L	100
35) Trichloroethene	9.10	95	1844468	355.484	ug/L	99
42) cis-1,3-Dichloropropene	10.04	75	4143	0.604	ug/L #	79
43) 4-Methyl-2-pentanone	10.21	43	4081	1.528	ug/L #	73
44) Toluene	10.39	91	10351	0.508	ug/L	98
45) trans-1,3-Dichloropropene	10.58	75	2478	0.421	ug/L	93
47) Tetrachloroethene	10.87	164	12105824	2585.977	ug/L	96

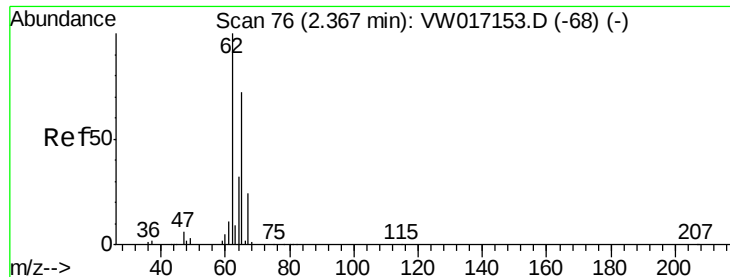
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 12 03:16:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 12 03:07:51 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.284 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017163.D

Acq: 11 Nov 2020 15:01

Instrument :

MSVOA_W

ClientSampled :

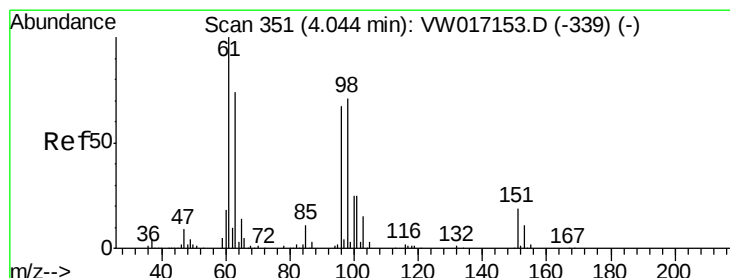
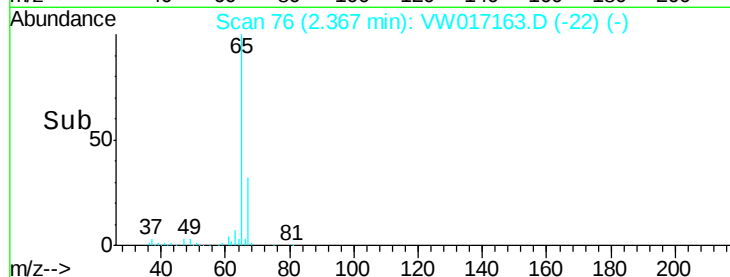
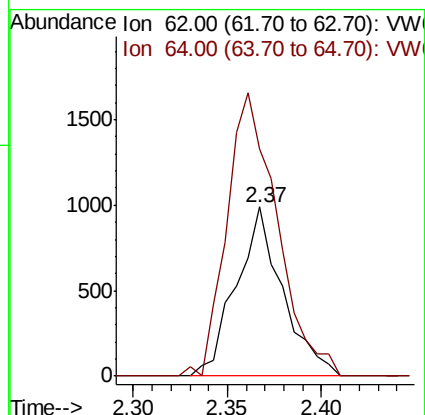
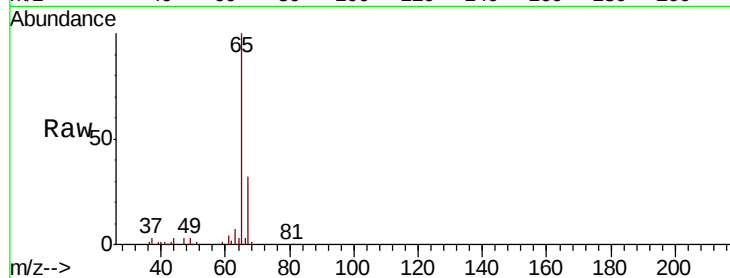
BG4E0

Tot Ion: 62 Resp: 1691

Ion Ratio Lower Upper

62 100

64 134.3 23.3 43.3#



#12

1,1-Dichloroethene

Concen: 2.714 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017163.D

Acq: 11 Nov 2020 15:01

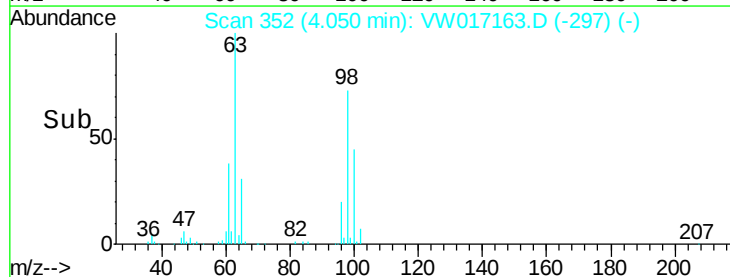
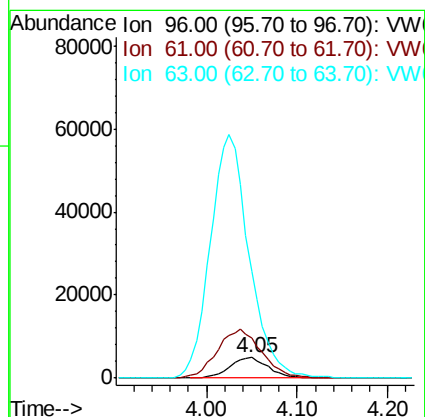
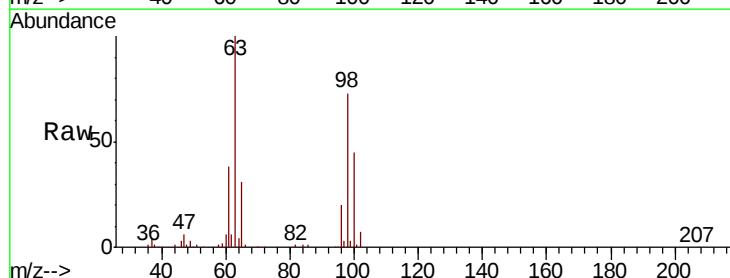
Tgt Ion: 96 Resp: 15013

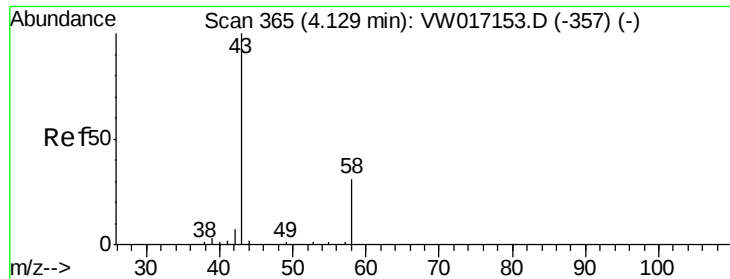
Ion Ratio Lower Upper

96 100

61 194.0 103.8 192.8#

63 510.7 84.4 156.7#





#13

Acetone

Concen: 16.047 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017163.D

Acq: 11 Nov 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

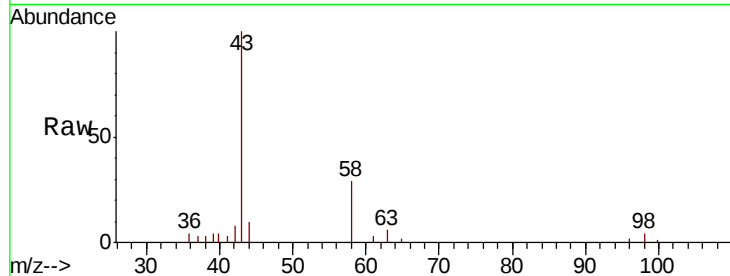
BG4E0

Tot Ion: 43 Resp: 13491

Ion Ratio Lower Upper

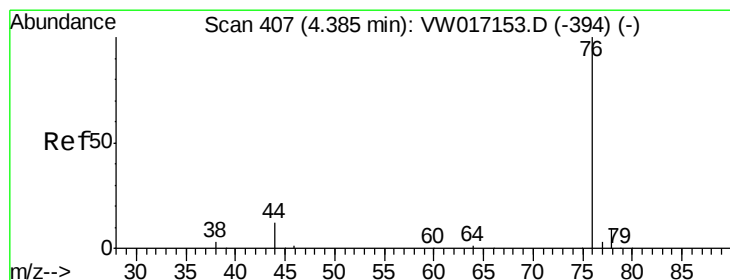
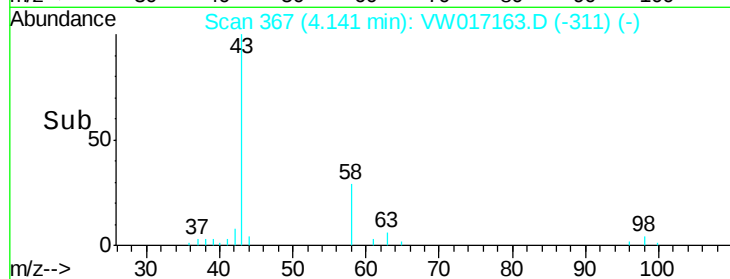
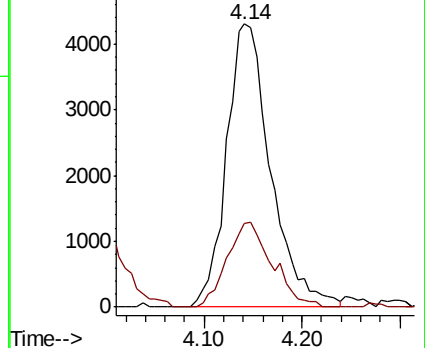
43 100

58 26.1 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.378 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017163.D

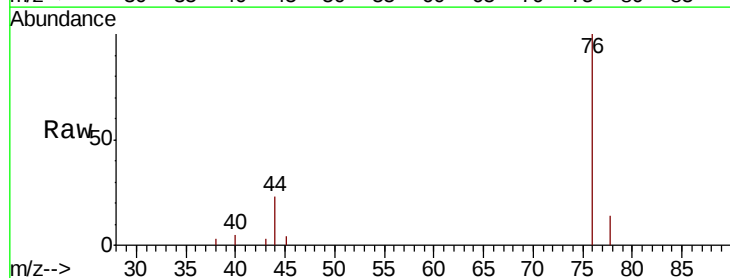
Acq: 11 Nov 2020 15:01

Tgt Ion: 76 Resp: 5685

Ion Ratio Lower Upper

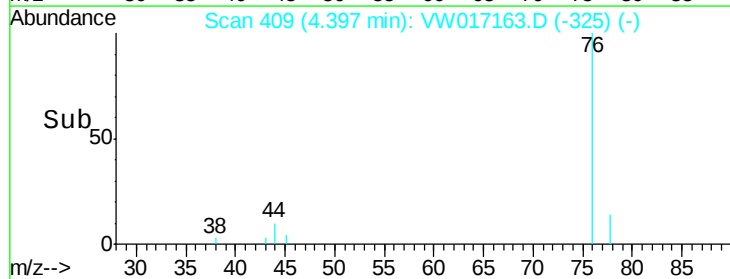
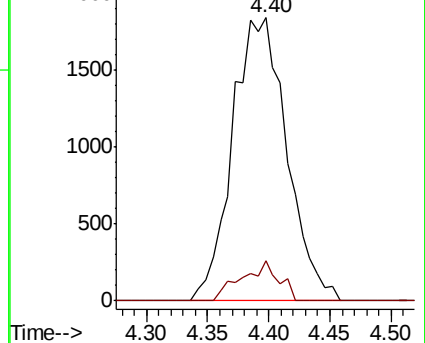
76 100

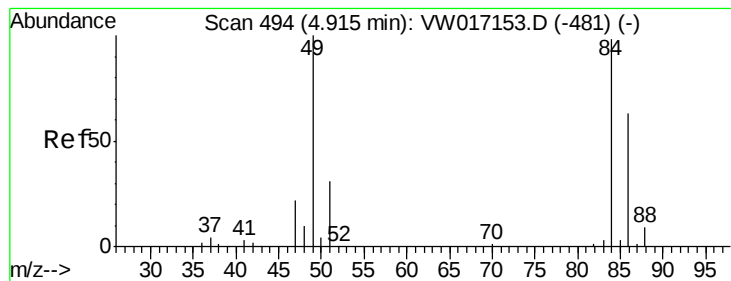
78 14.4 7.6 11.4#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#16

Methylene chloride

Concen: 1.530 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017163.D

Acq: 11 Nov 2020 15:01

Instrument :

MSVOA_W

ClientSampled :

BG4E0

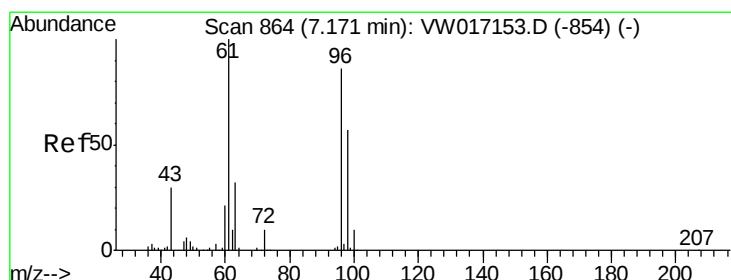
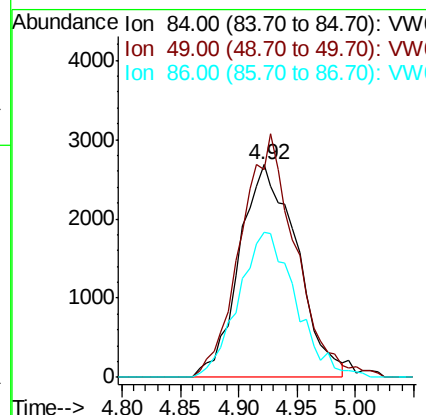
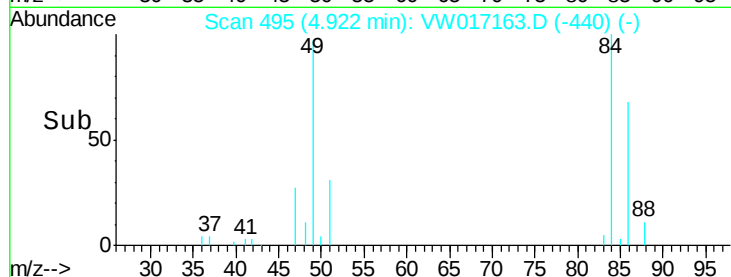
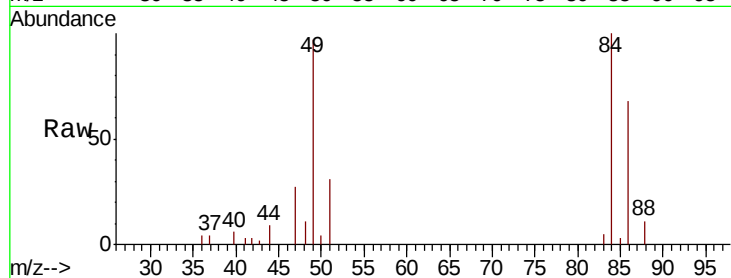
Tot Ion: 84 Resp: 9193

Ion Ratio Lower Upper

84 100

49 97.4 72.3 134.3

86 68.4 45.1 83.7



#21

2-Butanone

Concen: 0.701 ug/L

RT: 6.90 min Scan# 820

Delta R.T. -0.27 min

Lab File: VW017163.D

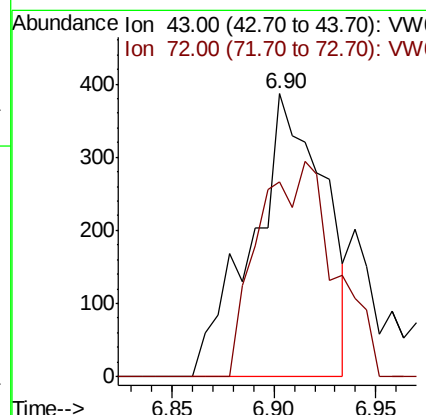
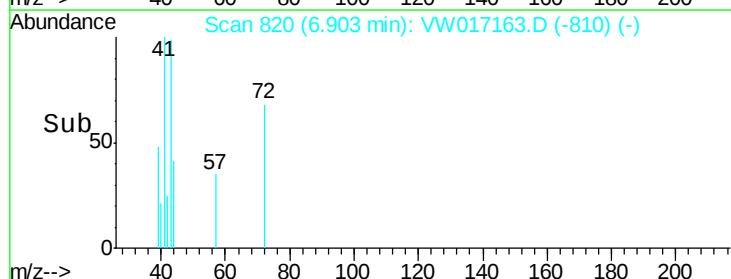
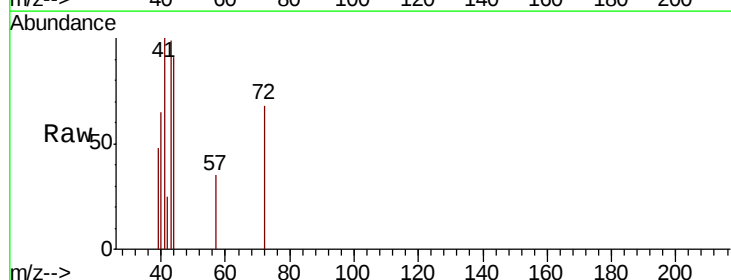
Acq: 11 Nov 2020 15:01

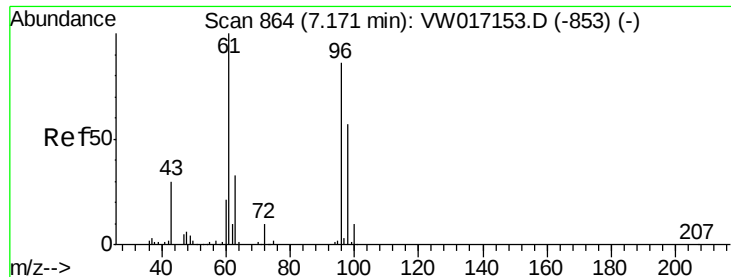
Tgt Ion: 43 Resp: 946

Ion Ratio Lower Upper

43 100

72 40.8 16.1 48.3



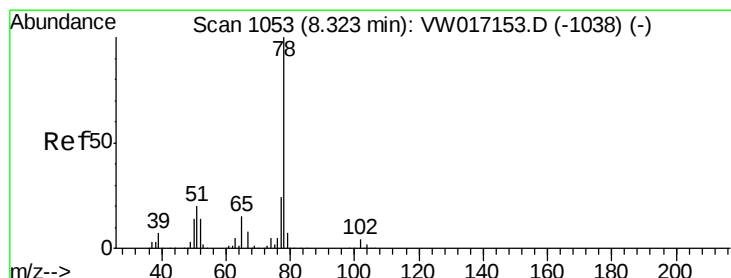
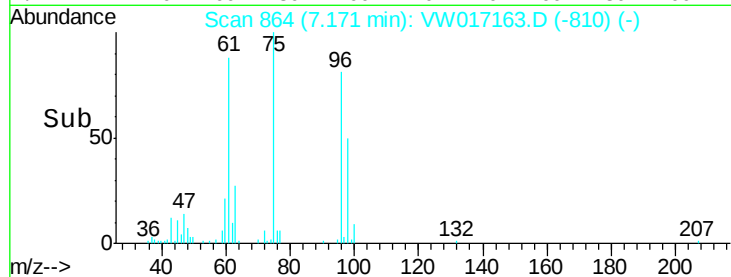
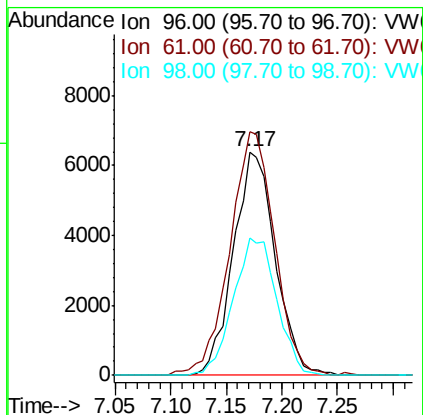
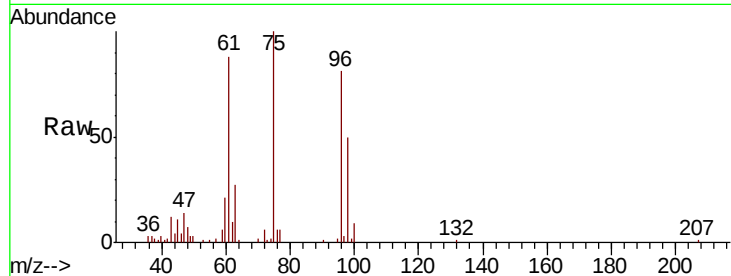


#22

cis-1,2-Dichloroethene
Concen: 2.762 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017163.D
Acq: 11 Nov 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
BG4E0

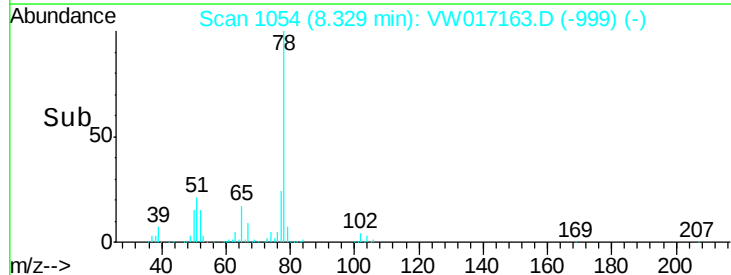
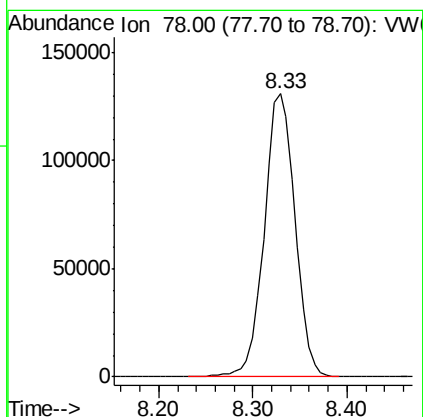
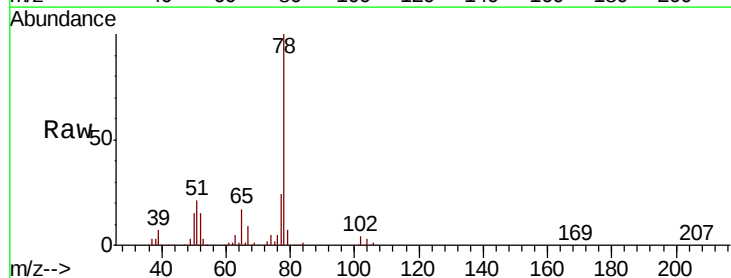
Tot Ion: 96 Resp: 16722
Ion Ratio Lower Upper
96 100
61 108.8 77.4 143.8
98 61.5 45.1 83.7

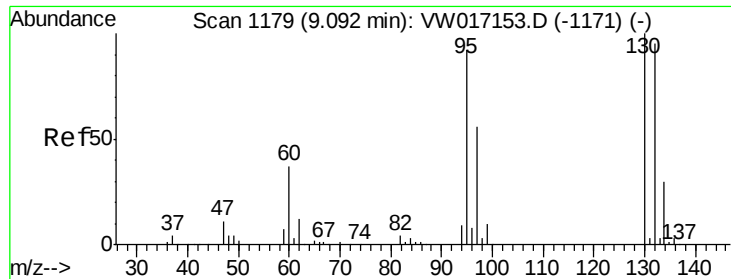


#34

Benzene
Concen: 16.185 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW017163.D
Acq: 11 Nov 2020 15:01

Tgt Ion: 78 Resp: 299786

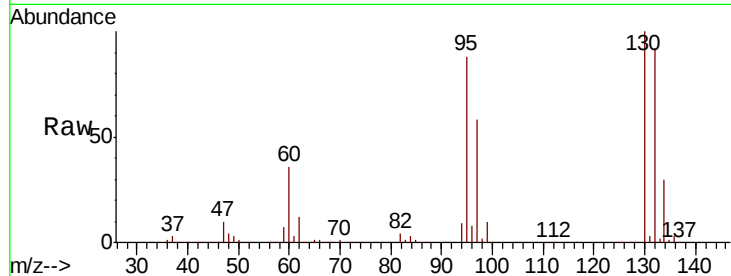




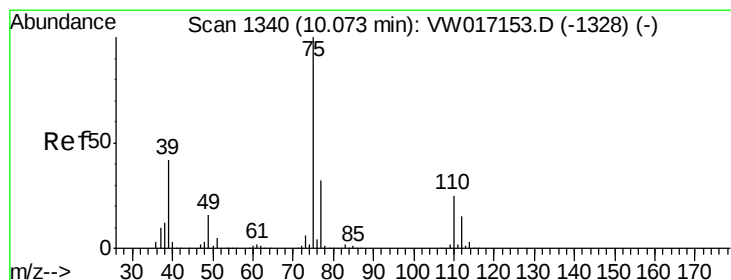
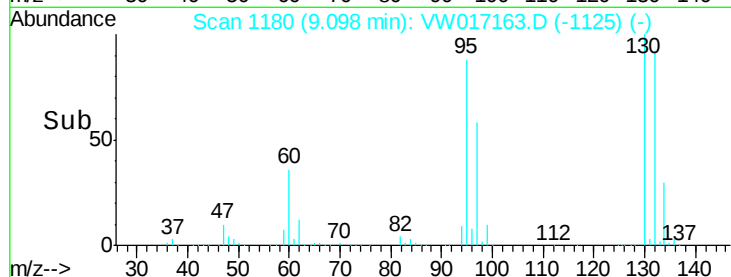
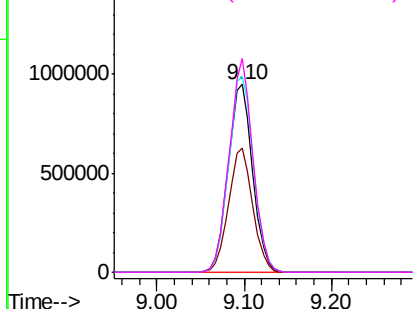
#35
 Trichloroethene
 Concen: 355.484 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW017163.D
 Acq: 11 Nov 2020 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4E0

Tot Ion: 95 Resp: 1844468
 Ion Ratio Lower Upper
 95 100
 97 65.5 45.0 83.6
 132 105.7 73.7 136.9
 130 110.2 77.1 143.1

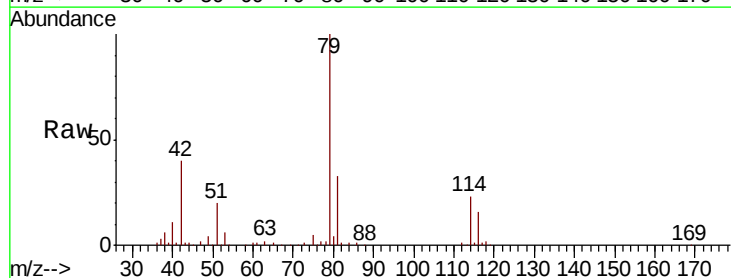


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

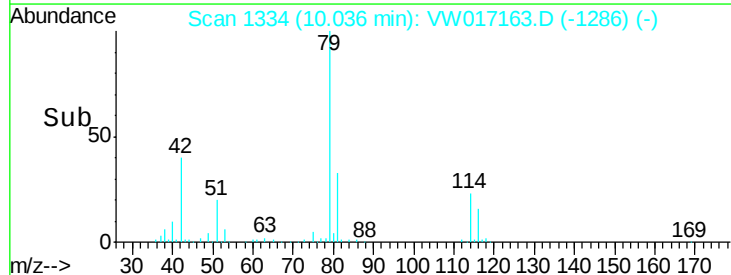
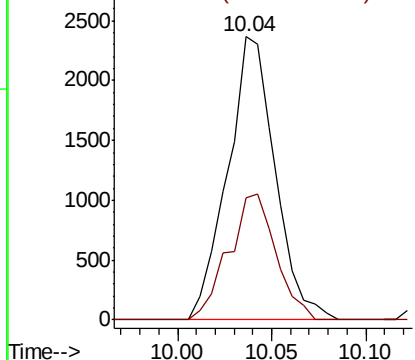


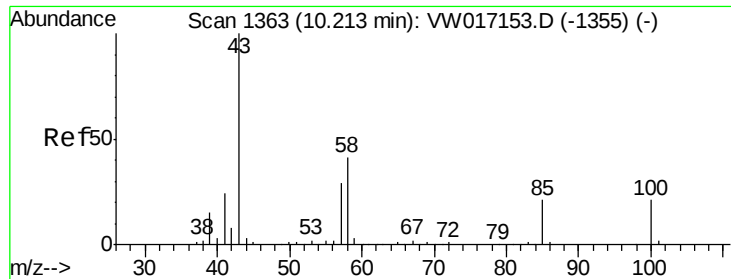
#42
 cis-1,3-Dichloropropene
 Concen: 0.604 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017163.D
 Acq: 11 Nov 2020 15:01

Tgt Ion: 75 Resp: 4143
 Ion Ratio Lower Upper
 75 100
 77 43.2 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VW
 Ion 77.00 (76.70 to 77.70): VW

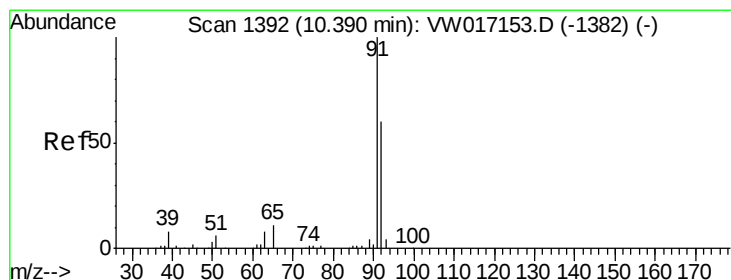
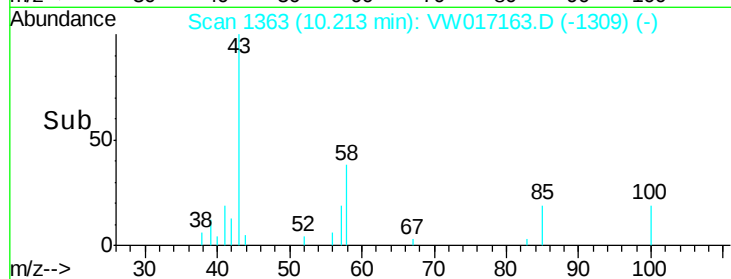
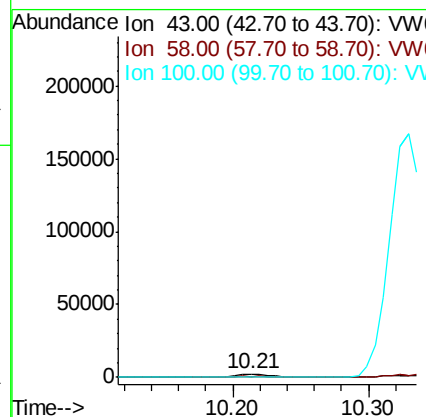
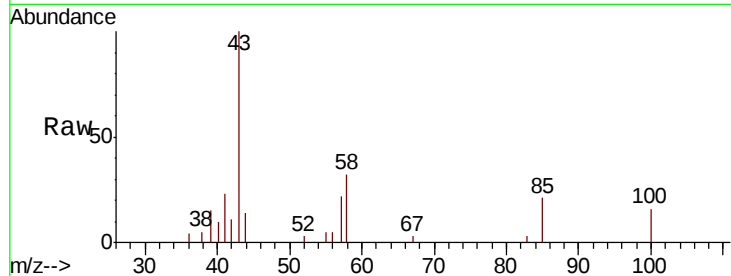




#43
4-Methyl-2-pentanone
Concen: 1.528 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW017163.D
Acq: 11 Nov 2020 15:01

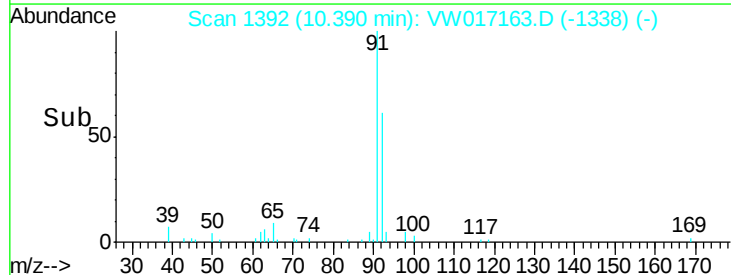
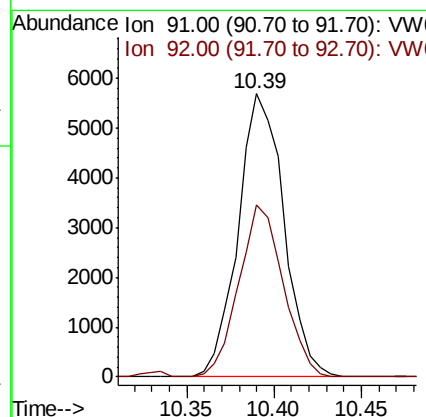
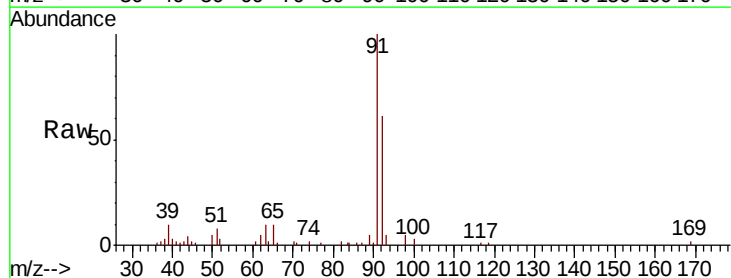
Instrument :
MSVOA_W
ClientSampled :
BG4E0

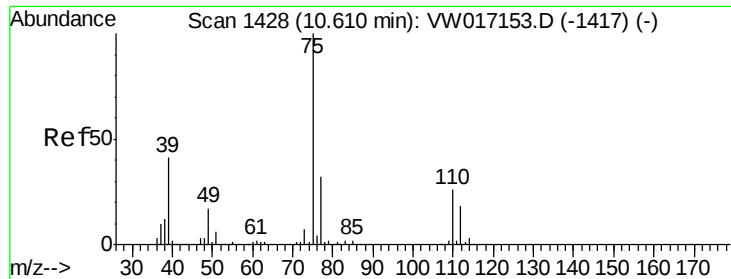
Tot Ion: 43 Resp: 4081
Ion Ratio Lower Upper
43 100
58 19.4 35.0 52.6#
100 19.1 16.6 24.8



#44
Toluene
Concen: 0.508 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW017163.D
Acq: 11 Nov 2020 15:01

Tgt Ion: 91 Resp: 10351
Ion Ratio Lower Upper
91 100
92 60.6 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 0.421 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017163.D

Acq: 11 Nov 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

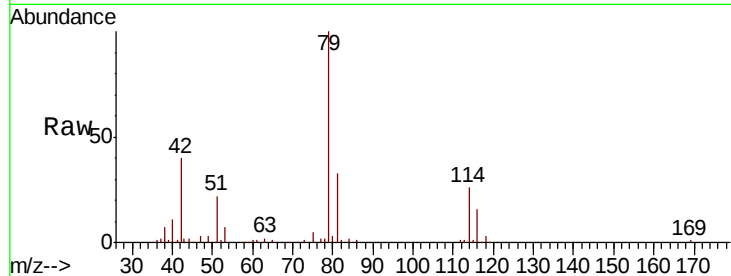
BG4E0

Tot Ion: 75 Resp: 2478

Ion Ratio Lower Upper

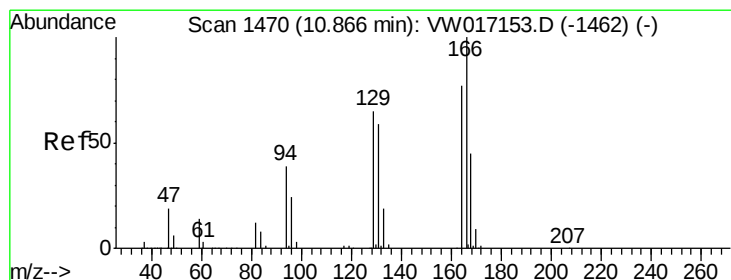
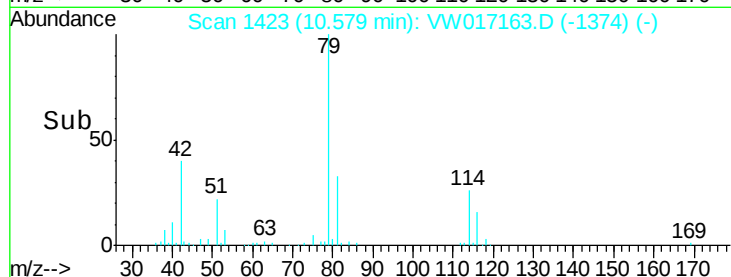
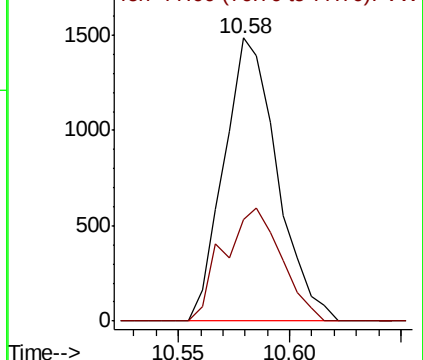
75 100

77 35.7 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#47

Tetrachloroethene

Concen: 2585.977 ug/L

RT: 10.87 min Scan# 1471

Delta R.T. 0.01 min

Lab File: VW017163.D

Acq: 11 Nov 2020 15:01

Tgt Ion: 164 Resp: 12105824

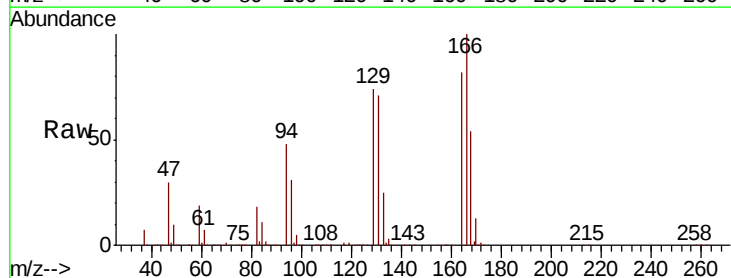
Ion Ratio Lower Upper

164 100

129 91.3 62.9 116.7

131 87.5 63.3 117.5

166 122.7 92.0 170.8



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

