

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111020\
 Data File : VW017143.D
 Acq On : 10 Nov 2020 16:24
 Operator : SY/VA
 Sample : L4659-18
 Misc : 5.37G/10ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4B7

Quant Time: Nov 11 05:40:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 11 05:30:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	457501	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	364616	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	114523	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	135048	23.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.76%
7) Chloroethane-d5	2.90	69	111348	25.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.28%
10) 1,1-Dichloroethene-d2	4.03	63	177077	17.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.72%
20) 2-Butanone-d5	7.09	46	45626	35.41	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.82%
24) Chloroform-d	7.65	84	252480	23.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.56%
26) 1,2-Dichloroethane-d4	8.31	65	120101	22.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.48%
29) Benzene-d6	8.28	84	507410	27.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.32%
33) 1,2-Dichloropropane-d6	9.27	67	139107	27.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.36%
37) Toluene-d8	10.32	98	467225	26.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.76%
38) trans-1,3-Dichloropropene-	10.58	79	44347	19.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.60%
39) 2-Hexanone-d5	10.93	63	33814	37.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	90490	20.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	99586	24.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.72%

Target Compounds

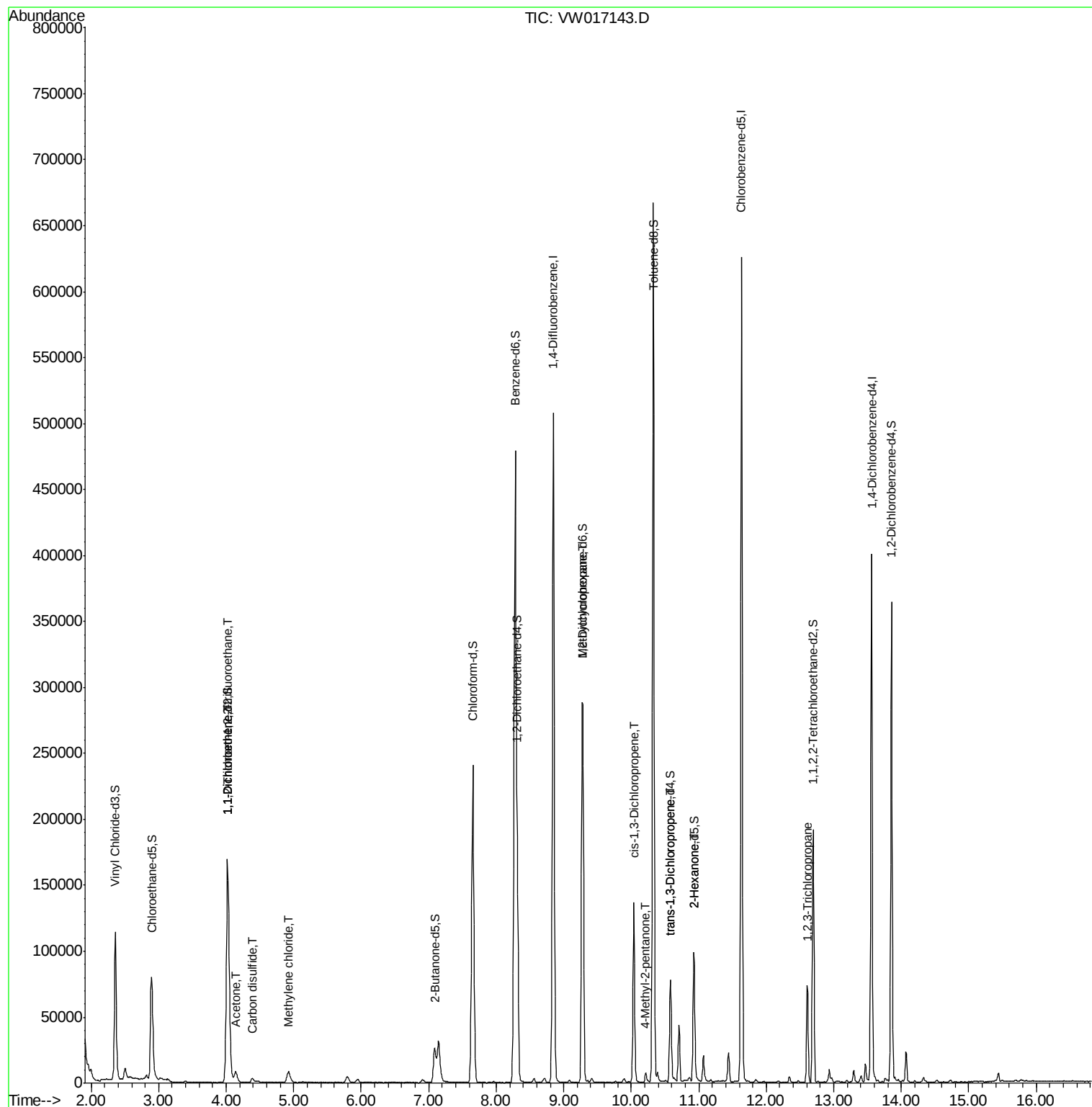
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1741	0.295	ug/L #	17
12) 1,1-Dichloroethene	4.03	96	1516	0.267	ug/L #	1
13) Acetone	4.14	43	15101	17.501	ug/L	90
14) Carbon disulfide	4.39	76	6632	0.429	ug/L	100
16) Methylene chloride	4.93	84	7421	1.203	ug/L	98
36) Methylcyclohexane	9.28	83	36665	4.248	ug/L #	21
42) cis-1,3-Dichloropropene	10.03	75	1912	0.270	ug/L #	79
43) 4-Methyl-2-pentanone	10.21	43	4960	1.796	ug/L	97
45) trans-1,3-Dichloropropene	10.58	75	2077	0.341	ug/L	93
49) 2-Hexanone	10.93	43	3959	2.378	ug/L #	64
59) 1,2,3-Trichloropropane	12.61	75	641	0.200	ug/L	94

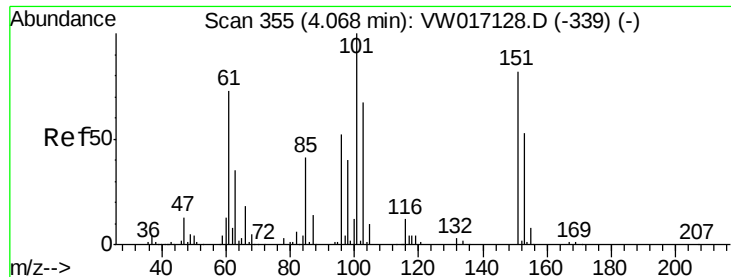
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

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

Concen: 0.295 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.04 min

Lab File: VW017143.D

Acq: 10 Nov 2020 16:24

Instrument :

MSVOA_W

ClientSampleId :

BG4B7

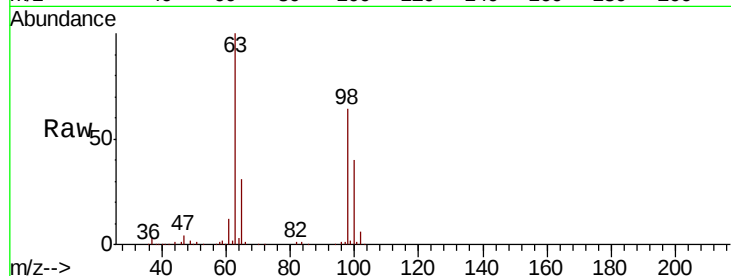
Tot Ion:101 Resp: 1741

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

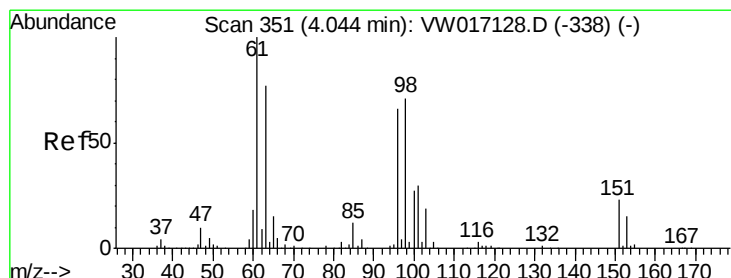
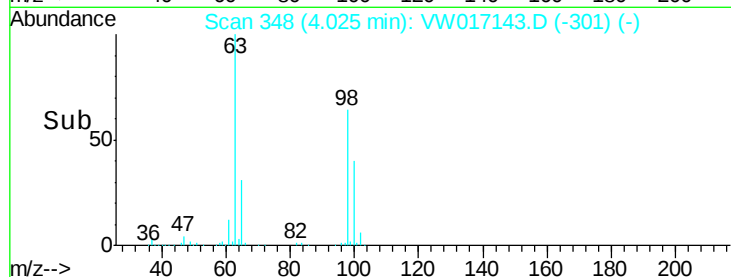
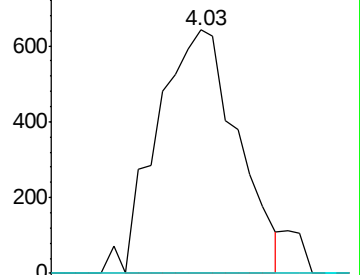
151 0.0 65.4 98.2#



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: 0.267 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.02 min

Lab File: VW017143.D

Acq: 10 Nov 2020 16:24

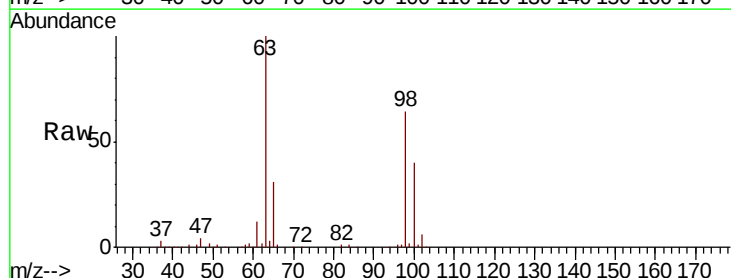
Tgt Ion: 96 Resp: 1516

Ion Ratio Lower Upper

96 100

61 1348.2 103.8 192.8#

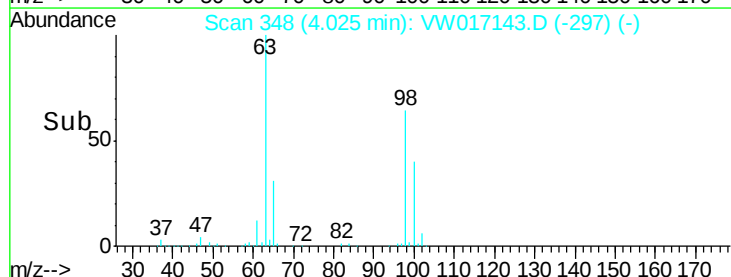
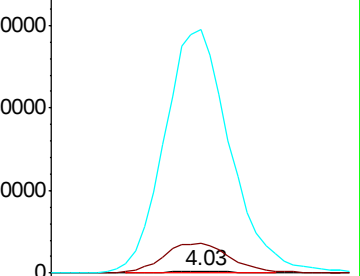
63 10841.2 84.4 156.7#

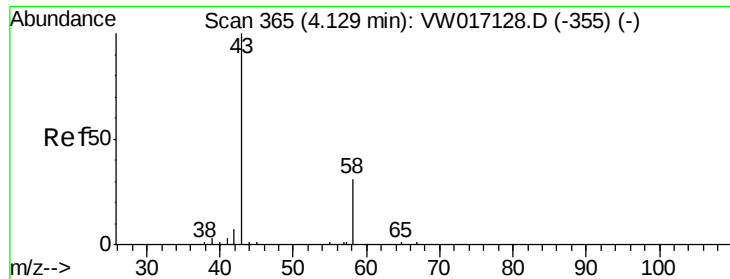


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 17.501 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017143.D

Acq: 10 Nov 2020 16:24

Instrument :

MSVOA_W

ClientSampleId :

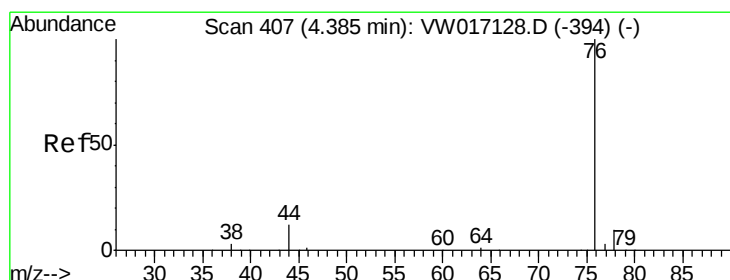
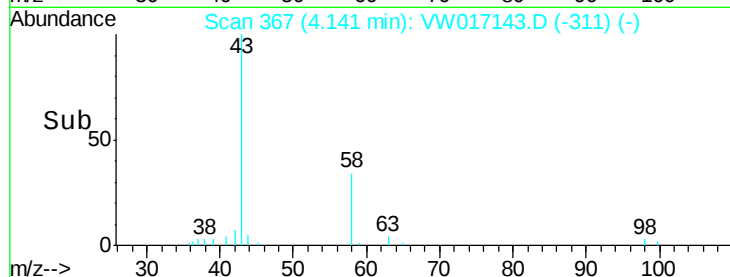
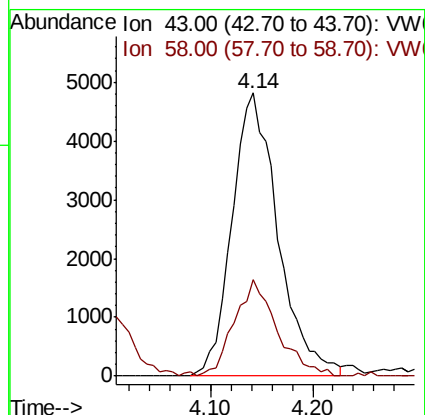
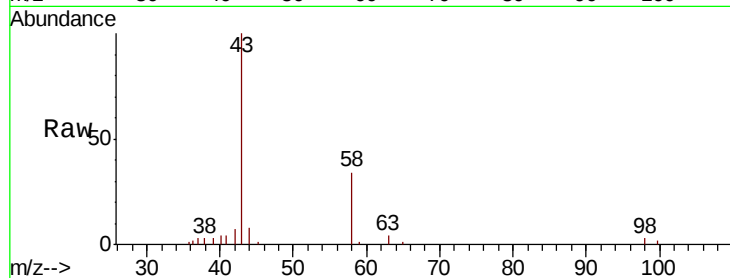
BG4B7

Tot Ion: 43 Resp: 15101

Ion Ratio Lower Upper

43 100

58 29.0 0.0 69.2



#14

Carbon disulfide

Concen: 0.429 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017143.D

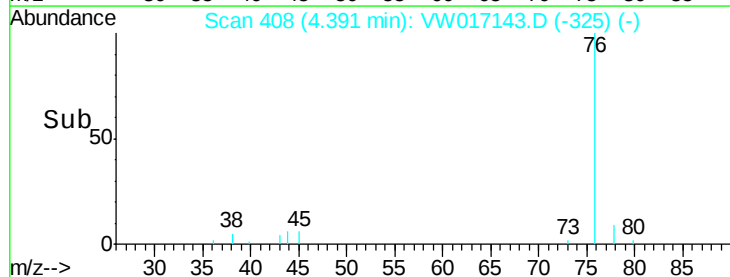
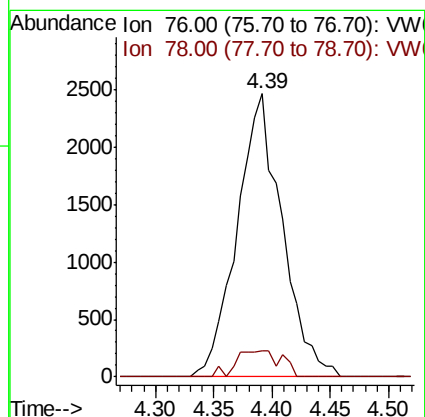
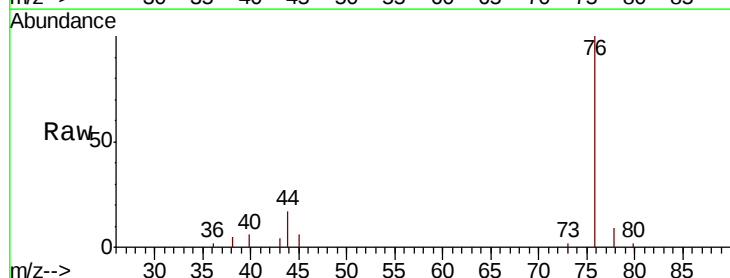
Acq: 10 Nov 2020 16:24

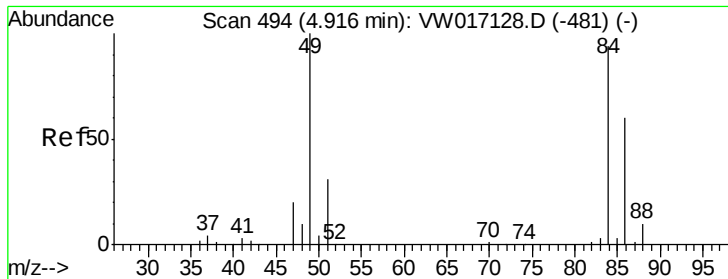
Tgt Ion: 76 Resp: 6632

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4

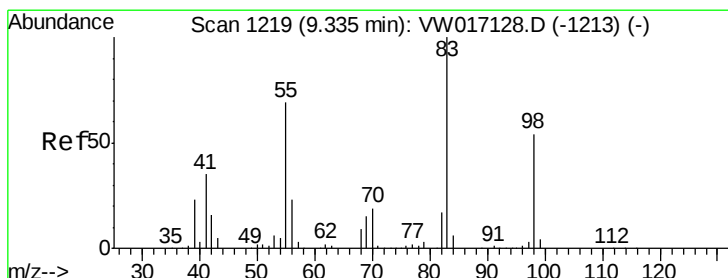
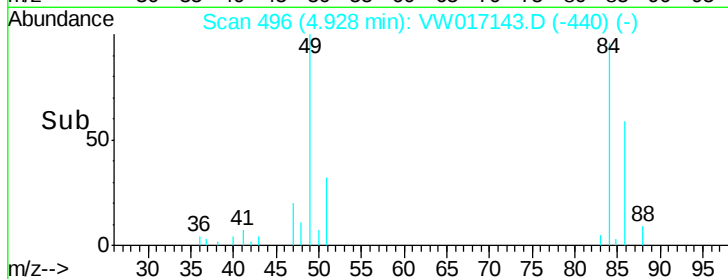
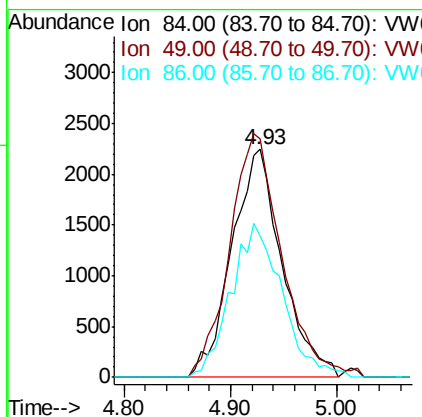
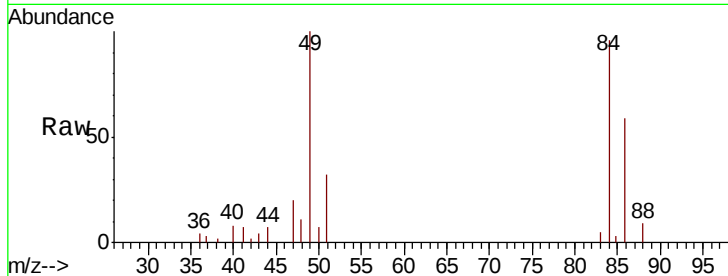




#16
Methylene chloride
Concen: 1.203 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017143.D
Acq: 10 Nov 2020 16:24

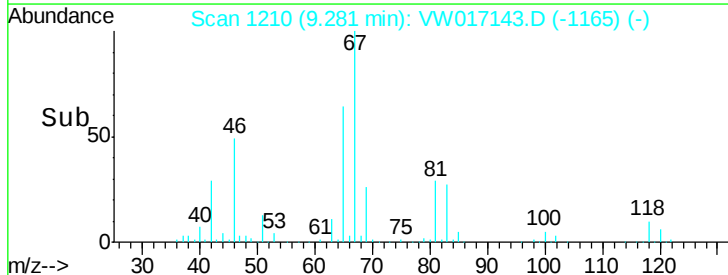
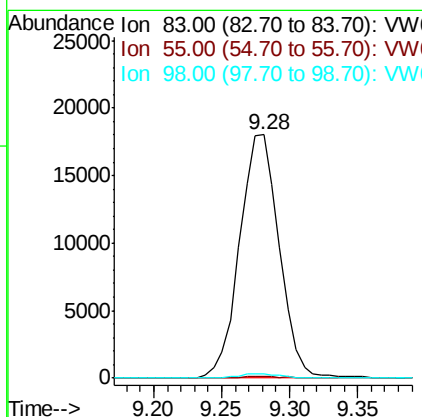
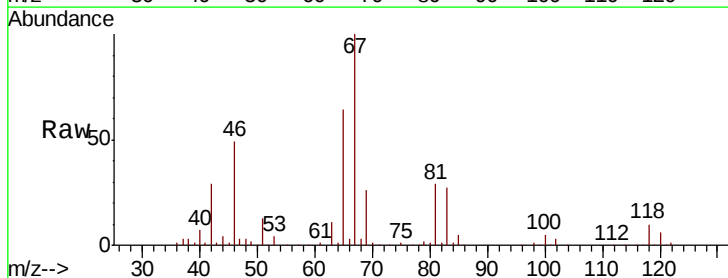
Instrument :
MSVOA_W
ClientSampleId :
BG4B7

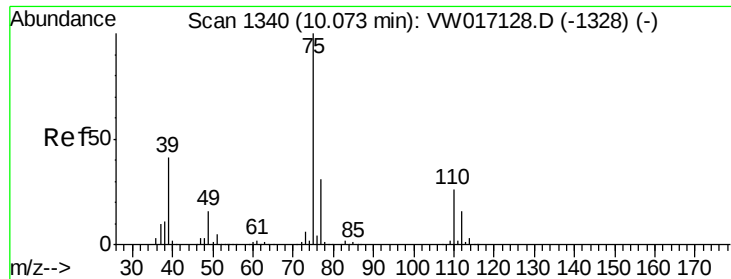
Tot Ion: 84 Resp: 7421
Ion Ratio Lower Upper
84 100
49 104.5 72.3 134.3
86 61.8 45.1 83.7



#36
Methylcyclohexane
Concen: 4.248 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.05 min
Lab File: VW017143.D
Acq: 10 Nov 2020 16:24

Tgt Ion: 83 Resp: 36665
Ion Ratio Lower Upper
83 100
55 0.4 54.4 81.6#
98 0.0 40.5 60.7#





#42

cis-1,3-Dichloropropene

Concen: 0.270 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW017143.D

Acq: 10 Nov 2020 16:24

Instrument :

MSVOA_W

ClientSampled :

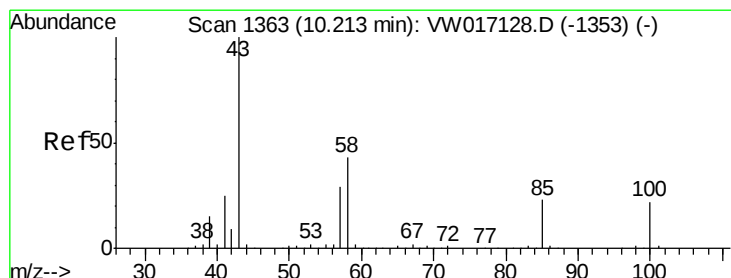
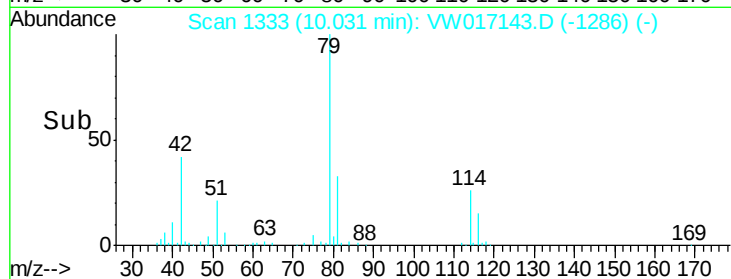
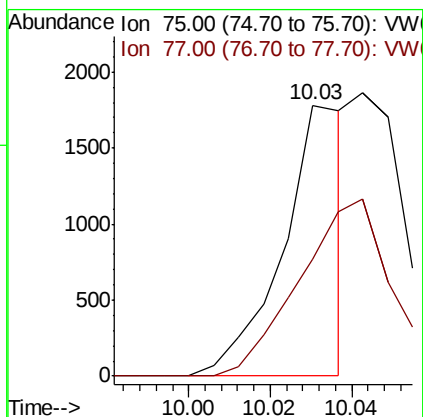
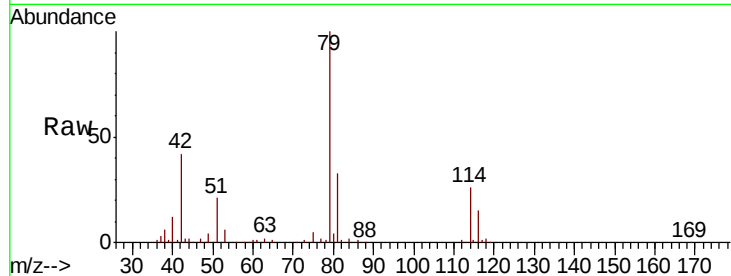
BG4B7

Tot Ion: 75 Resp: 1912

Ion Ratio Lower Upper

75 100

77 43.3 22.0 41.0#



#43

4-Methyl-2-pentanone

Concen: 1.796 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017143.D

Acq: 10 Nov 2020 16:24

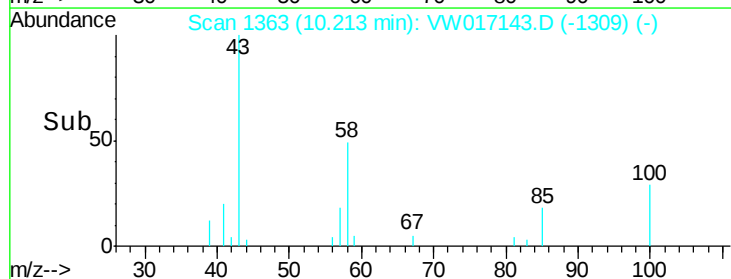
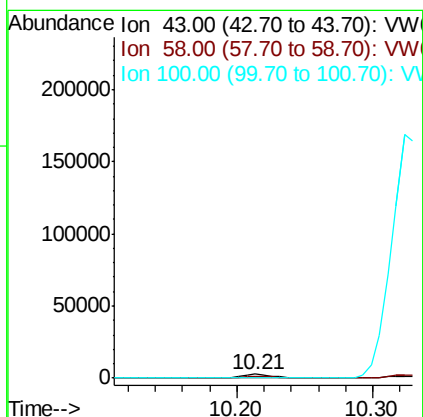
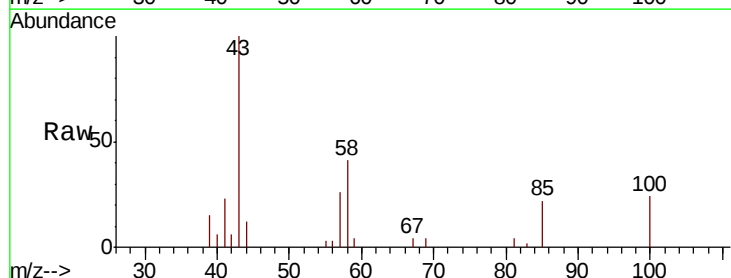
Tgt Ion: 43 Resp: 4960

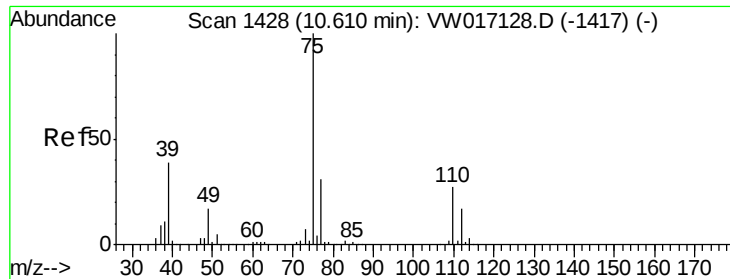
Ion Ratio Lower Upper

43 100

58 40.9 35.0 52.6

100 21.2 16.6 24.8





#45

trans-1,3-Dichloropropene

Concen: 0.341 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017143.D

Acq: 10 Nov 2020 16:24

Instrument :

MSVOA_W

ClientSampled :

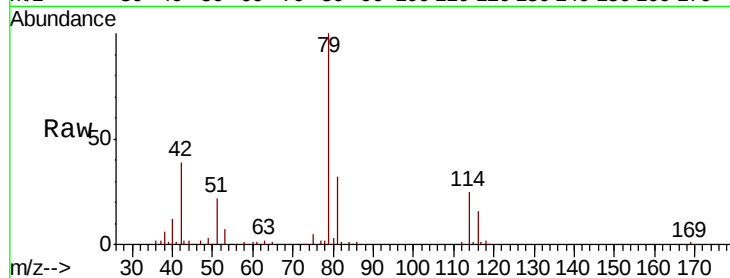
BG4B7

Tot Ion: 75 Resp: 2077

Ion Ratio Lower Upper

75 100

77 35.3 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

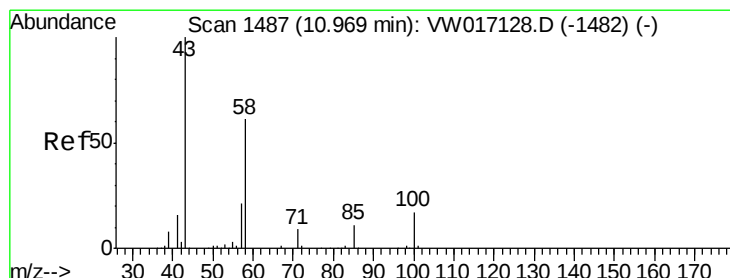
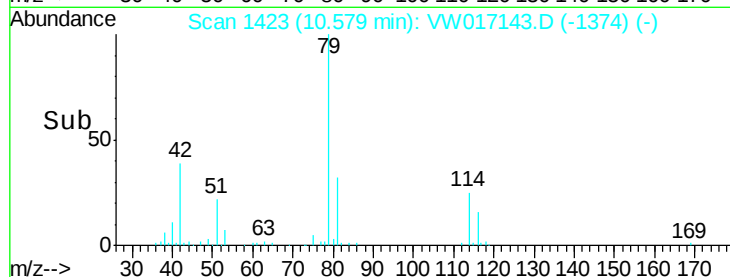
10.58

1000

500

0

Time-->



#49

2-Hexanone

Concen: 2.378 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW017143.D

Acq: 10 Nov 2020 16:24

Tgt Ion: 43 Resp: 3959

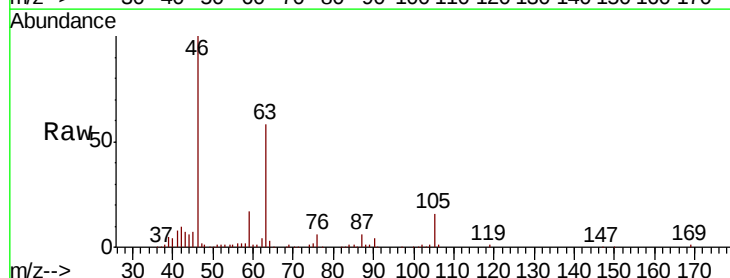
Ion Ratio Lower Upper

43 100

58 30.8 50.6 75.8#

57 33.5 17.8 26.6#

100 2.9 13.9 20.9#



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

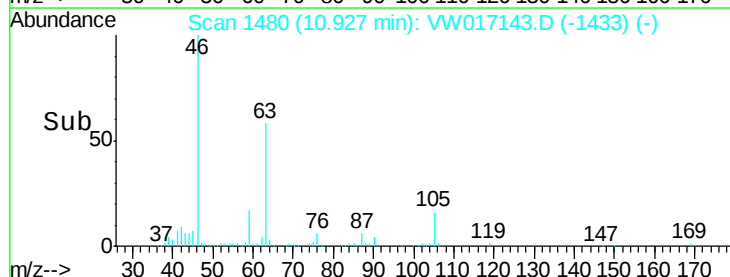
3000

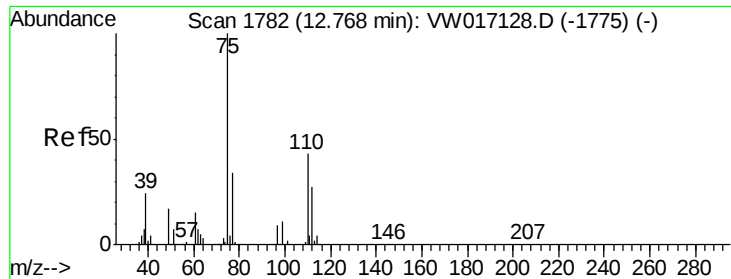
2000

1000

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.200 ug/L

RT: 12.61 min Scan# 1756

Delta R.T. -0.16 min

Lab File: VW017143.D

Acq: 10 Nov 2020 16:24

Instrument :

MSVOA_W

ClientSampleId :

BG4B7

Tot Ion: 75 Resp: 641

Ion Ratio Lower Upper

75 100

77 36.3 26.4 39.6

