

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111020\
 Data File : VW017141.D
 Acq On : 10 Nov 2020 15:37
 Operator : SY/VA
 Sample : L4659-12
 Misc : 4.67G/10ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4B1

Quant Time: Nov 11 05:39:55 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	437405	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	375241	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	145282	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	132283	24.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.04%
7) Chloroethane-d5	2.89	69	108750	25.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.44%
10) 1,1-Dichloroethene-d2	4.02	63	176554	17.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.68%
20) 2-Butanone-d5	7.09	46	49426	40.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.24%
24) Chloroform-d	7.65	84	253329	24.81	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.24%
26) 1,2-Dichloroethane-d4	8.31	65	126654	24.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.80%
29) Benzene-d6	8.28	84	510655	26.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.88%
33) 1,2-Dichloropropane-d6	9.28	67	138684	26.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.96%
37) Toluene-d8	10.33	98	473727	26.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.16%
38) trans-1,3-Dichloropropene-	10.58	79	52955	22.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.88%
39) 2-Hexanone-d5	10.93	63	38317	41.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	103908	22.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	135439	26.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.84%

Target Compounds

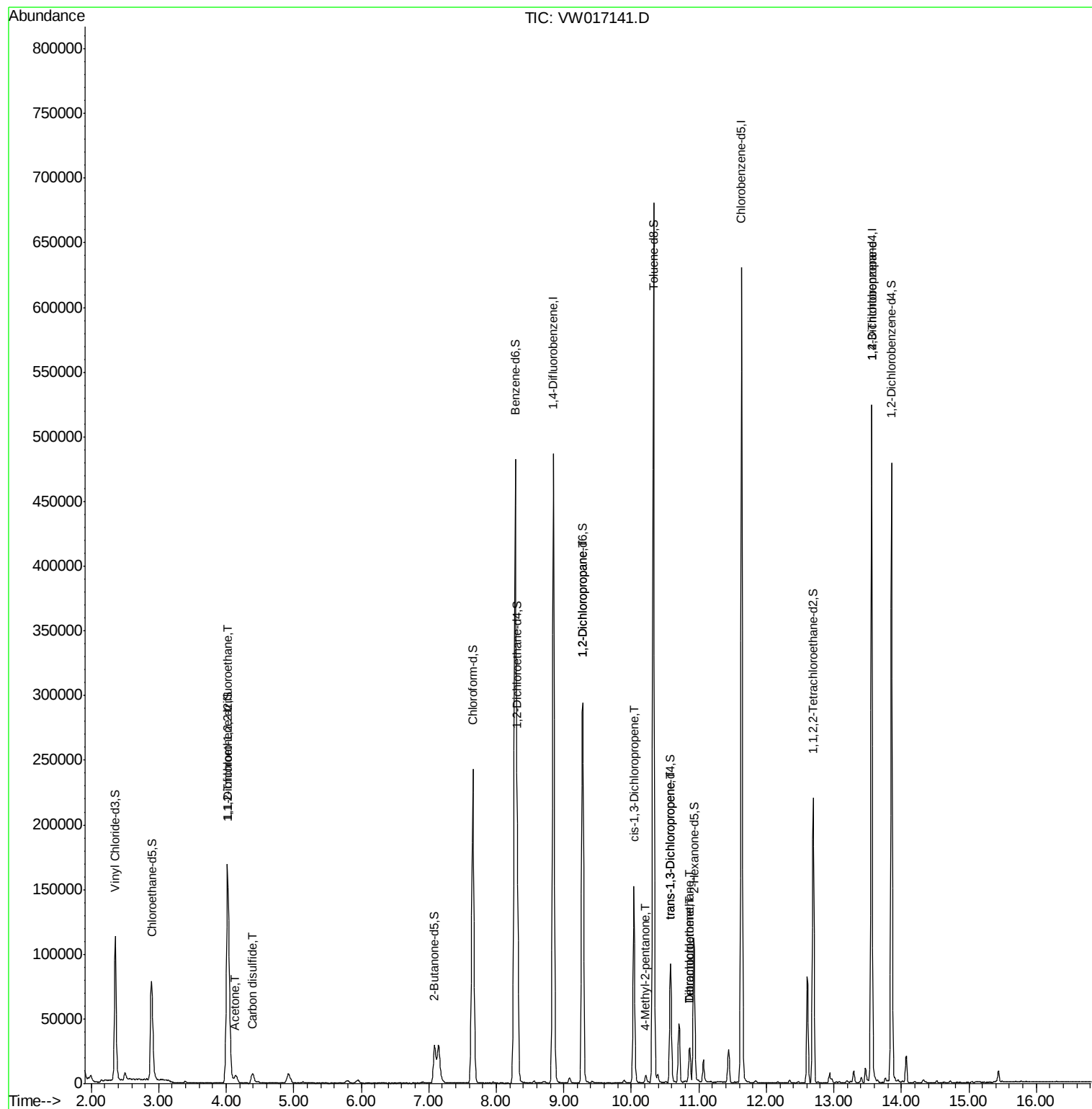
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1967	0.348	ug/L #	17
13) Acetone	4.14	43	10852	13.155	ug/L	98
14) Carbon disulfide	4.39	76	17340	1.174	ug/L	97
40) 1,2-Dichloropropane	9.28	63	16284	3.535	ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	4262	0.584	ug/L #	79
43) 4-Methyl-2-pentanone	10.22	43	4392	1.546	ug/L	97
45) trans-1,3-Dichloropropene	10.58	75	2415	0.385	ug/L	89
47) Tetrachloroethene	10.87	164	6847	1.375	ug/L	87
50) Dibromochloromethane	10.87	129	5913	1.222	ug/L #	11
59) 1,2,3-Trichloropropane	13.56	75	15826	4.799	ug/L	95

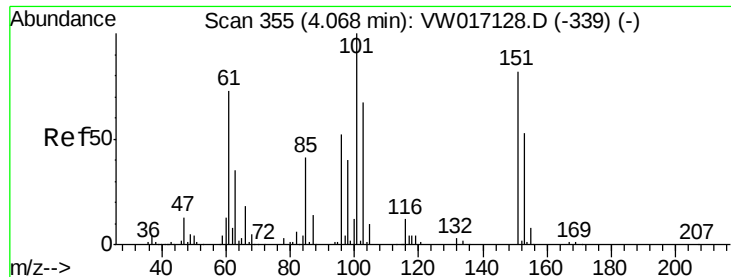
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 11 05:30:56 2020
Response via : Initial Calibration





#11

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

Concen: 0.348 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.04 min

Lab File: VW017141.D

Acq: 10 Nov 2020 15:37

Instrument :

MSVOA_W

ClientSampled :

BG4B1

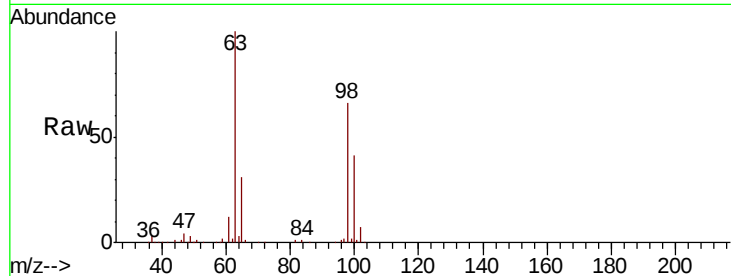
Tot Ion:101 Resp: 1967

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

4.03

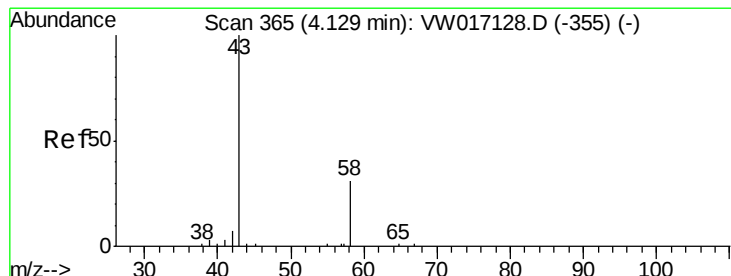
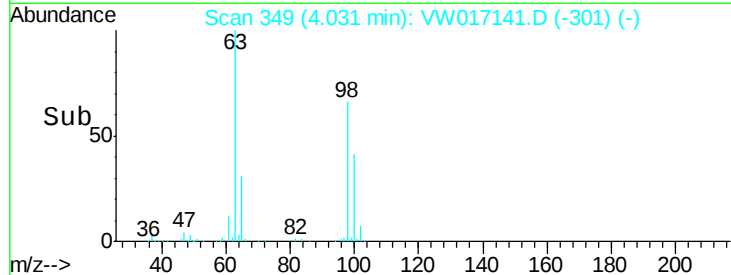
600

400

200

0

Time-->



#13

Acetone

Concen: 13.155 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017141.D

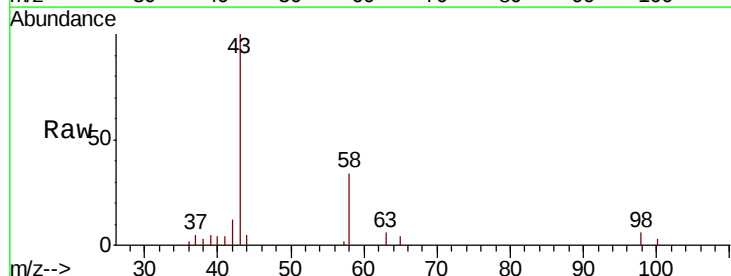
Acq: 10 Nov 2020 15:37

Tgt Ion: 43 Resp: 10852

Ion Ratio Lower Upper

43 100

58 33.5 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

4000

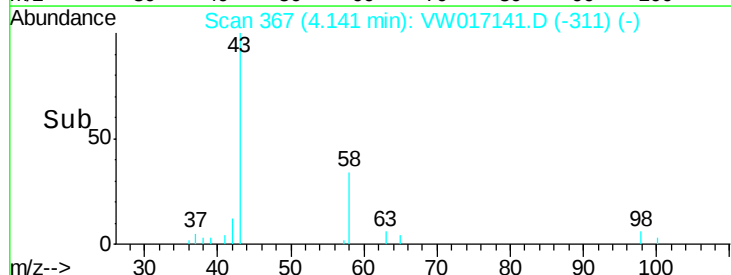
3000

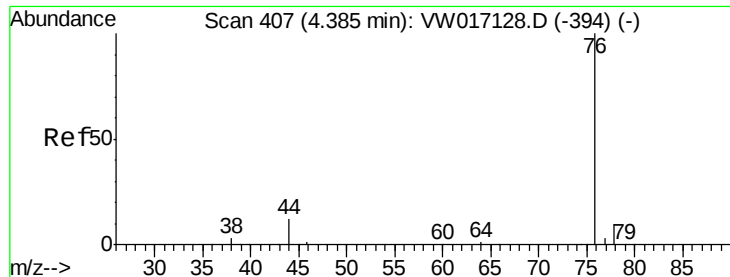
2000

1000

0

Time-->





#14

Carbon disulfide

Concen: 1.174 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017141.D

Acq: 10 Nov 2020 15:37

Instrument :

MSVOA_W

ClientSampleId :

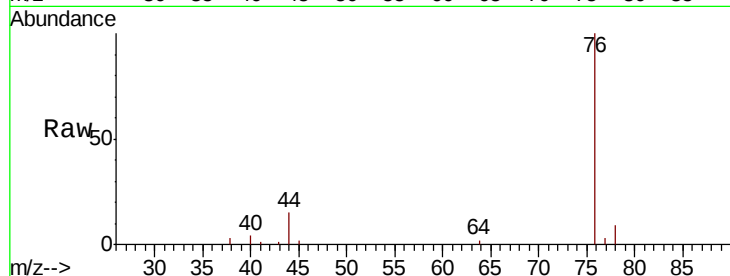
BG4B1

Tot Ion: 76 Resp: 17340

Ion Ratio Lower Upper

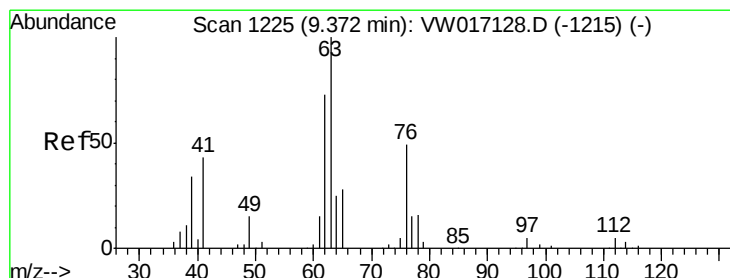
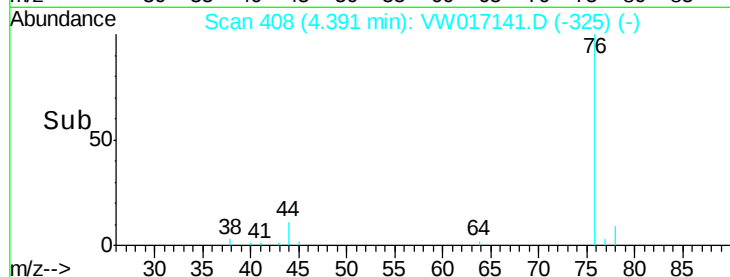
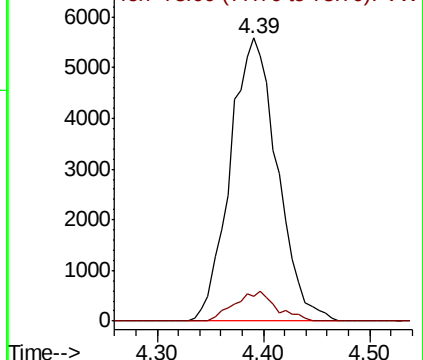
76 100

78 8.6 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#40

1,2-Dichloropropane

Concen: 3.535 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW017141.D

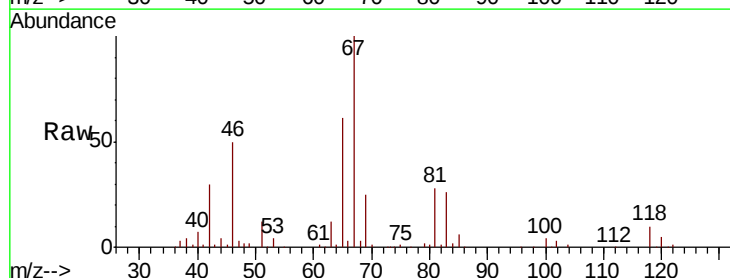
Acq: 10 Nov 2020 15:37

Tgt Ion: 63 Resp: 16284

Ion Ratio Lower Upper

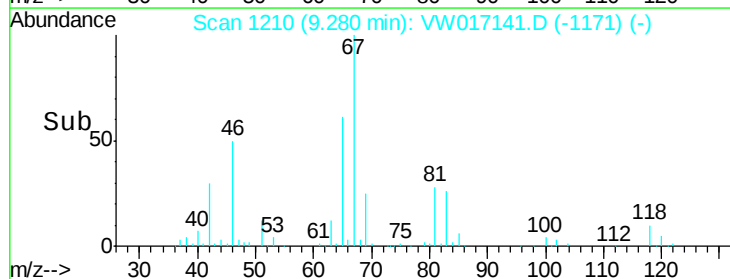
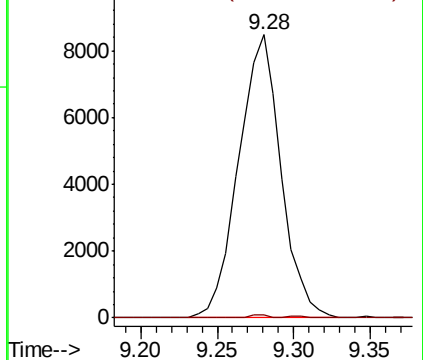
63 100

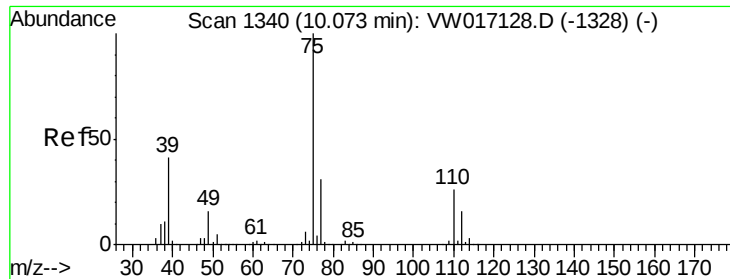
112 0.4 4.2 6.2#



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: 0.584 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017141.D

Acq: 10 Nov 2020 15:37

Instrument :

MSVOA_W

ClientSampled :

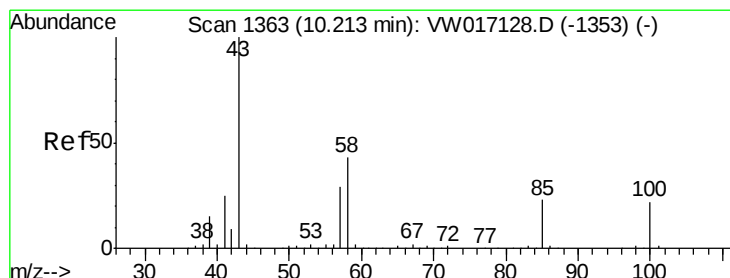
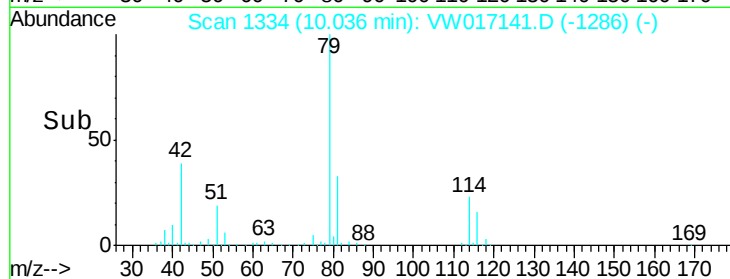
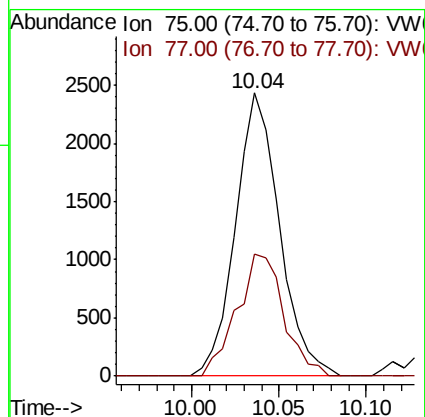
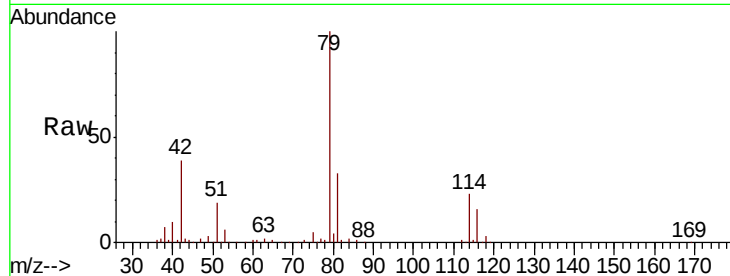
BG4B1

Tot Ion: 75 Resp: 4262

Ion Ratio Lower Upper

75 100

77 43.3 22.0 41.0#



#43

4-Methyl-2-pentanone

Concen: 1.546 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW017141.D

Acq: 10 Nov 2020 15:37

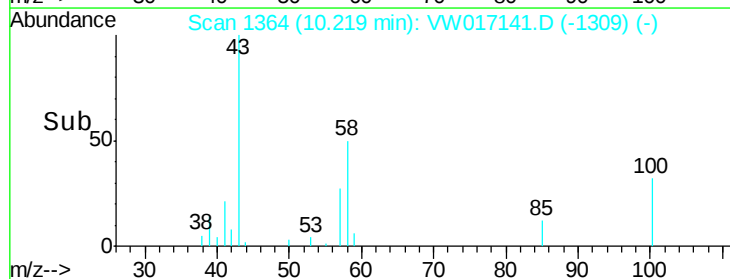
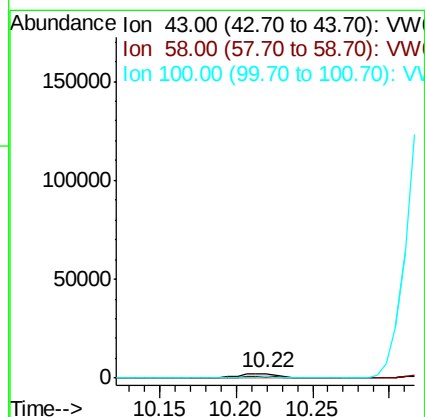
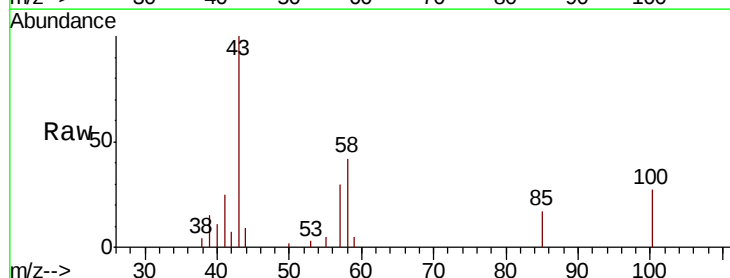
Tgt Ion: 43 Resp: 4392

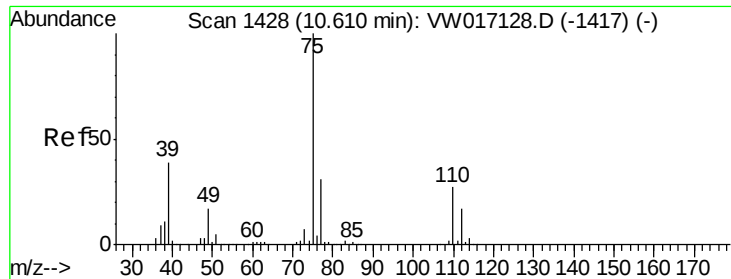
Ion Ratio Lower Upper

43 100

58 41.7 35.0 52.6

100 20.0 16.6 24.8





#45

trans-1,3-Dichloropropene

Concen: 0.385 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017141.D

Acq: 10 Nov 2020 15:37

Instrument :

MSVOA_W

ClientSampleId :

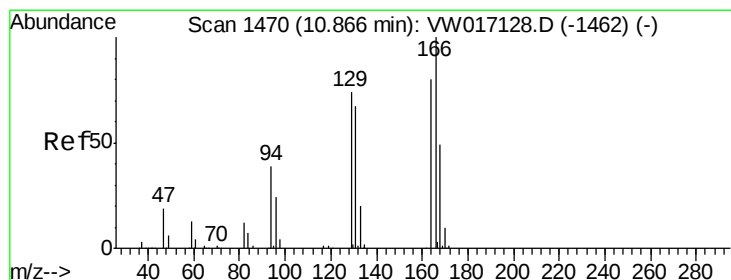
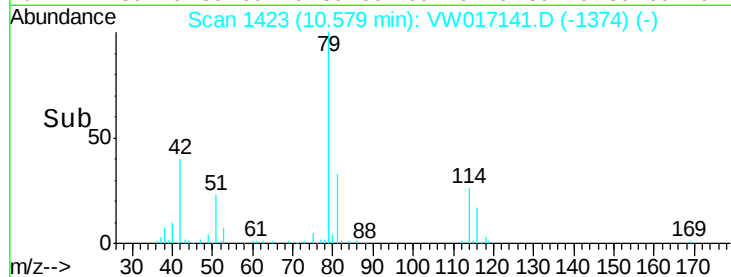
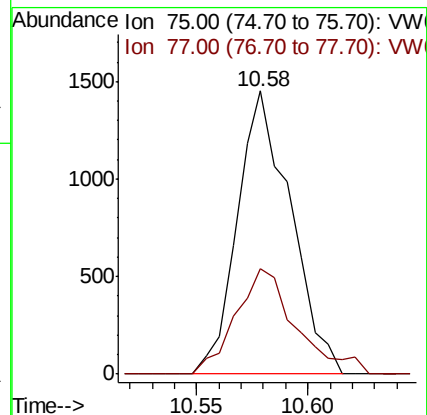
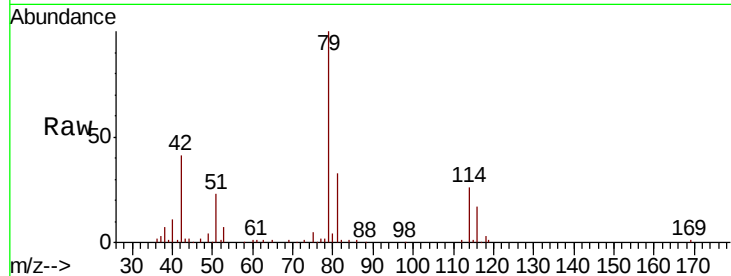
BG4B1

Tot Ion: 75 Resp: 2415

Ion Ratio Lower Upper

75 100

77 37.4 22.1 41.1



#47

Tetrachloroethene

Concen: 1.375 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017141.D

Acq: 10 Nov 2020 15:37

Tgt Ion: 164 Resp: 6847

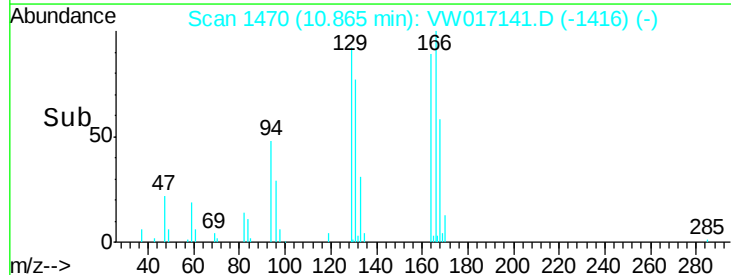
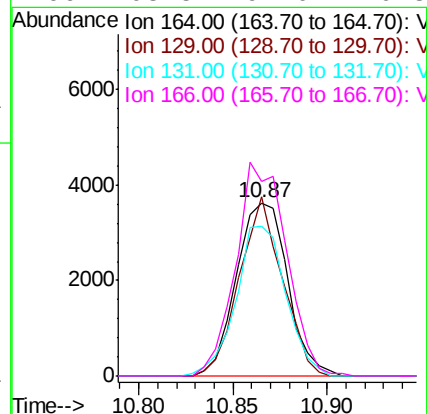
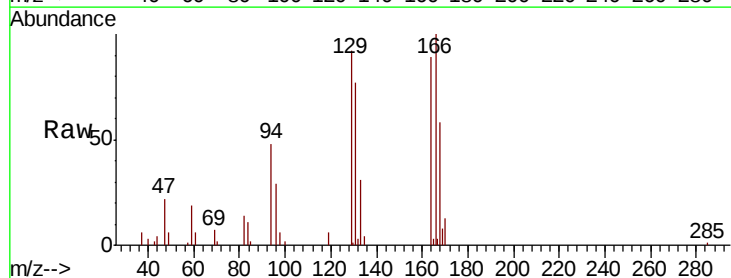
Ion Ratio Lower Upper

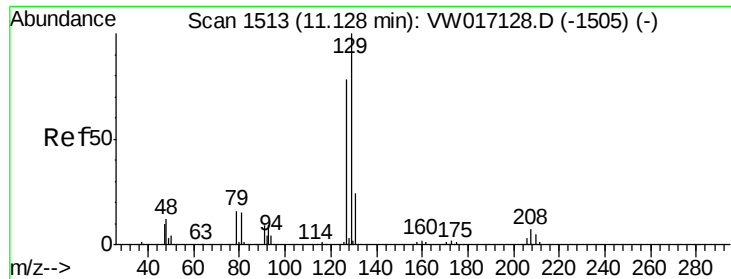
164 100

129 99.7 62.9 116.7

131 83.7 63.3 117.5

166 108.5 92.0 170.8





#50

Dibromochloromethane

Concen: 1.222 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW017141.D

Acq: 10 Nov 2020 15:37

Instrument :

MSVOA_W

ClientSampleId :

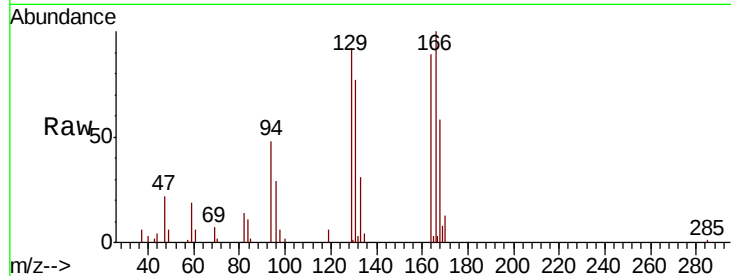
BG4B1

Tot Ion:129 Resp: 5913

Ion Ratio Lower Upper

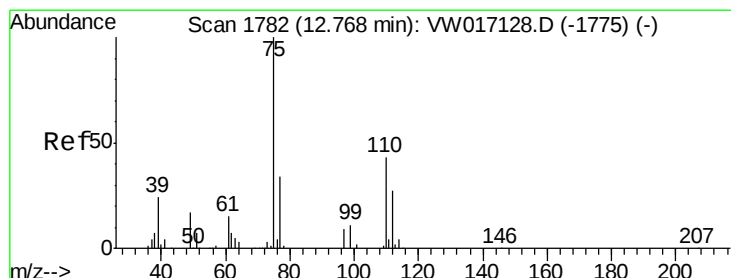
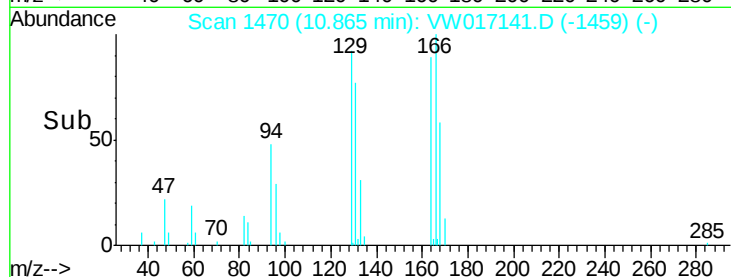
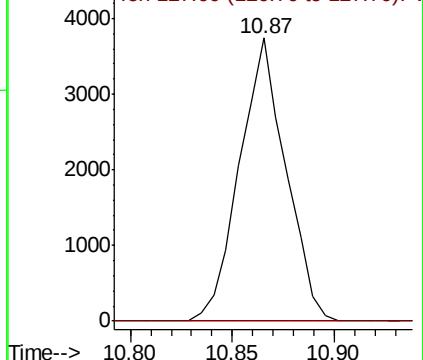
129 100

127 0.0 54.3 100.9#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 4.799 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017141.D

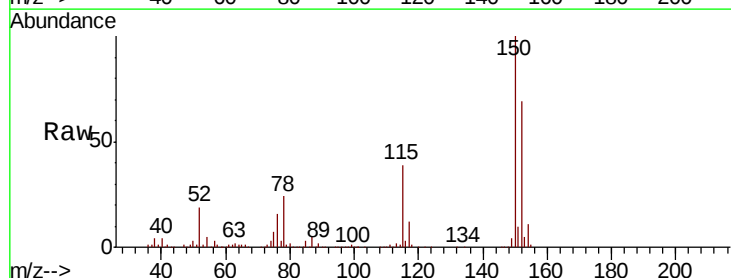
Acq: 10 Nov 2020 15:37

Tgt Ion: 75 Resp: 15826

Ion Ratio Lower Upper

75 100

77 35.9 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

