

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111020\
 Data File : VW017136.D
 Acq On : 10 Nov 2020 13:37
 Operator : SY/VA
 Sample : L4659-16
 Misc : 5.98G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4B5

Quant Time: Nov 11 05:39:09 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	8.84	114	502490	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	466818	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	214919	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	132373	20.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.64%
7) Chloroethane-d5	2.90	69	107971	22.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.56%
10) 1,1-Dichloroethene-d2	4.03	63	180191	15.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.68%
20) 2-Butanone-d5	7.09	46	41608	29.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.80%
24) Chloroform-d	7.65	84	250788	21.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.52%
26) 1,2-Dichloroethane-d4	8.31	65	120713	20.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.80%
29) Benzene-d6	8.28	84	504030	21.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.80%
33) 1,2-Dichloropropane-d6	9.27	67	137376	20.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.56%
37) Toluene-d8	10.32	98	484928	21.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.52%
38) trans-1,3-Dichloropropene-	10.58	79	50160	16.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	67.68%
39) 2-Hexanone-d5	10.93	63	33136	28.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	57.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	96958	16.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	67.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	168166	22.21	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.84%

Target Compounds

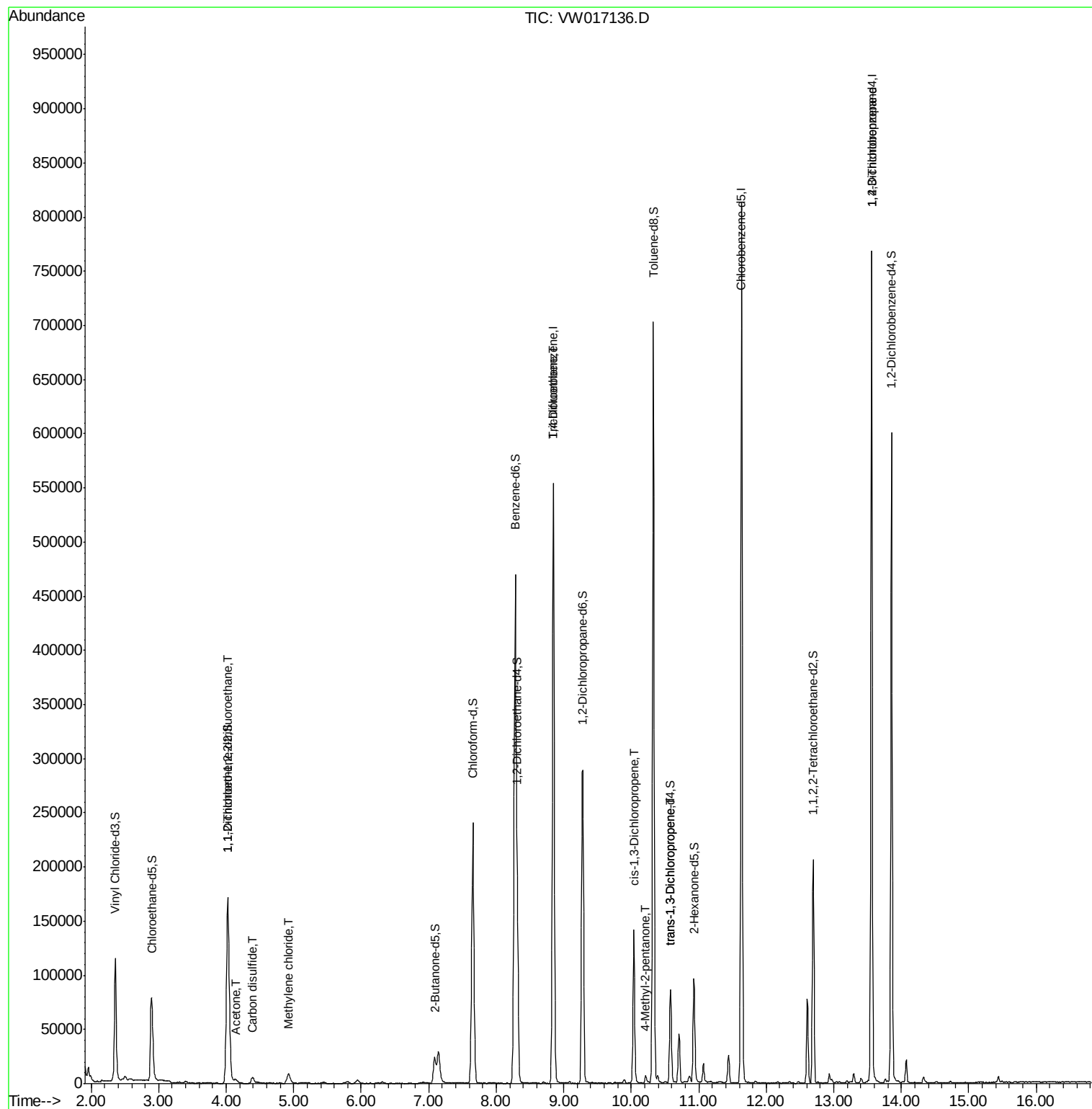
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1865	0.288	ug/L #	17
13) Acetone	4.14	43	5862	6.186	ug/L	48
14) Carbon disulfide	4.39	76	12265	0.723	ug/L	100
16) Methylene chloride	4.92	84	7598	1.122	ug/L	98
35) Trichloroethene	8.85	95	15011	2.186	ug/L #	2
42) cis-1,3-Dichloropropene	10.04	75	3824	0.421	ug/L #	68
43) 4-Methyl-2-pentanone	10.21	43	4617	1.306	ug/L	97
45) trans-1,3-Dichloropropene	10.59	75	2182	0.280	ug/L	91
59) 1,2,3-Trichloropropane	13.56	75	22050	5.375	ug/L	89

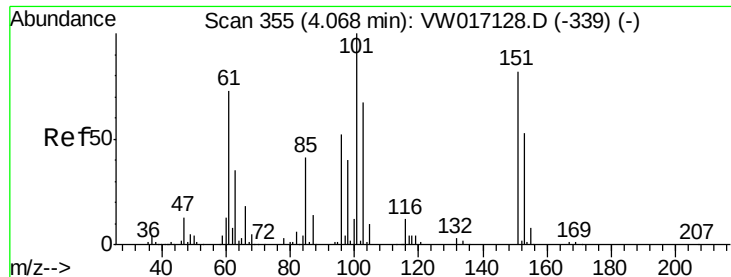
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Nov 11 05:30:56 2020
Response via : Initial Calibration





#11

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

Concen: 0.288 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.04 min

Lab File: VW017136.D

Acq: 10 Nov 2020 13:37

Instrument :

MSVOA_W

ClientSampled :

BG4B5

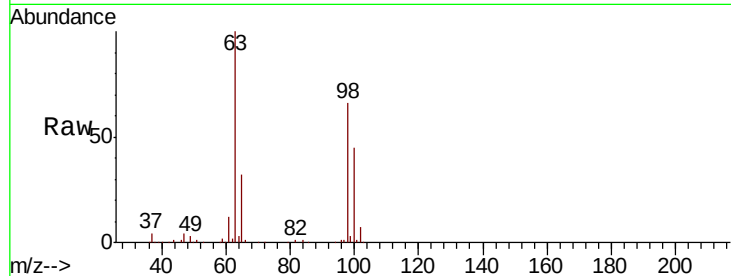
Tot Ion:101 Resp: 1865

Ion Ratio Lower Upper

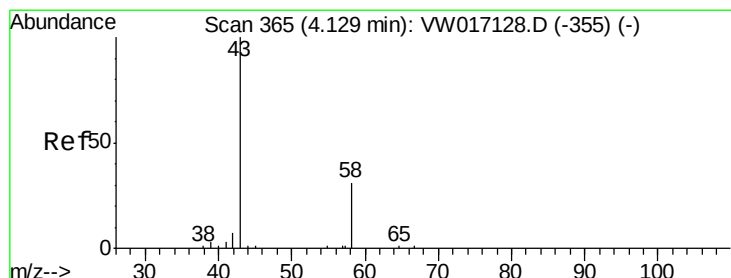
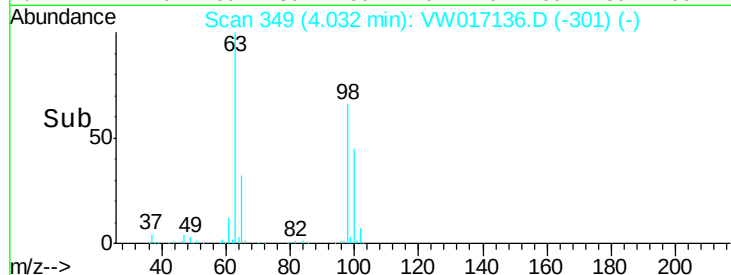
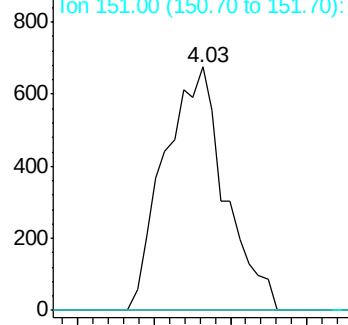
101 100

85 0.0 32.8 49.2#

151 0.0 65.4 98.2#



Abundance Ion 101.00 (100.70 to 101.70): V



#13

Acetone

Concen: 6.186 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017136.D

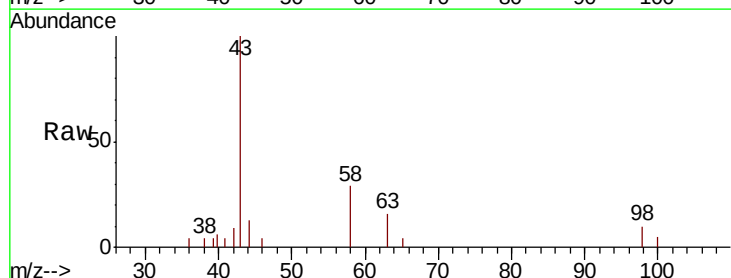
Acq: 10 Nov 2020 13:37

Tgt Ion: 43 Resp: 5862

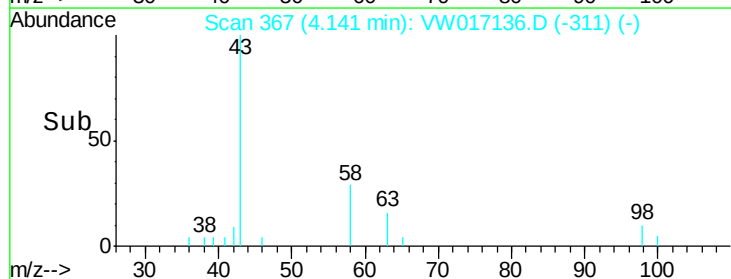
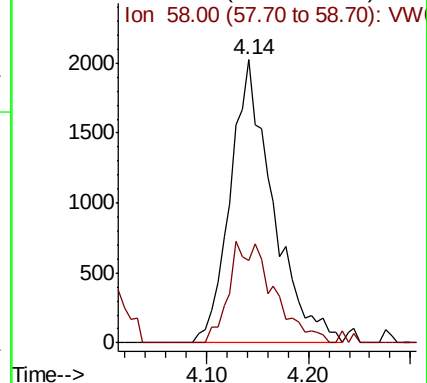
Ion Ratio Lower Upper

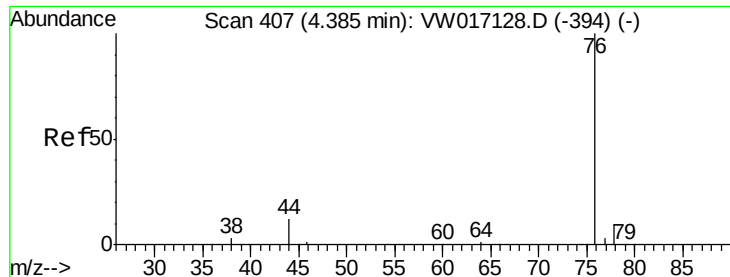
43 100

58 4.7 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

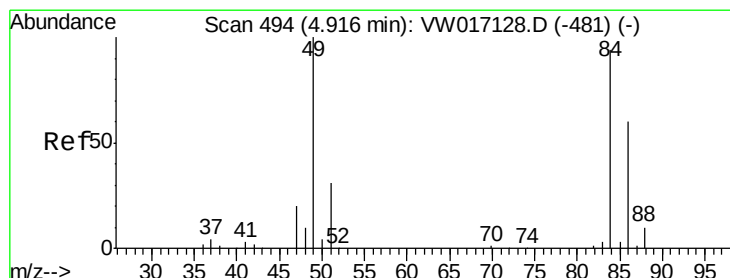
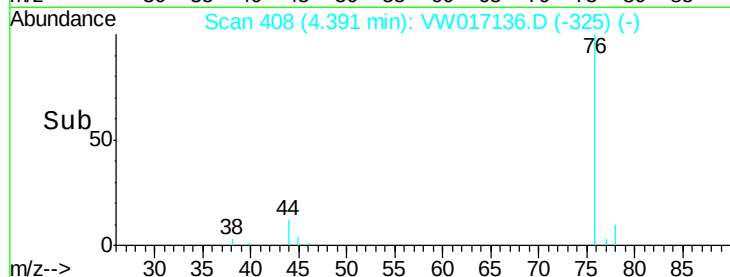
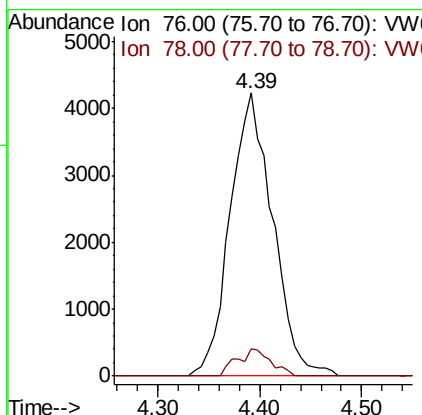
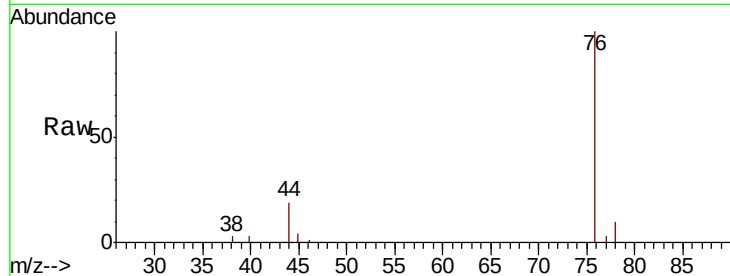




#14
Carbon disulfide
Concen: 0.723 ug/L
RT: 4.39 min Scan# 408
Delta R.T. 0.01 min
Lab File: VW017136.D
Acq: 10 Nov 2020 13:37

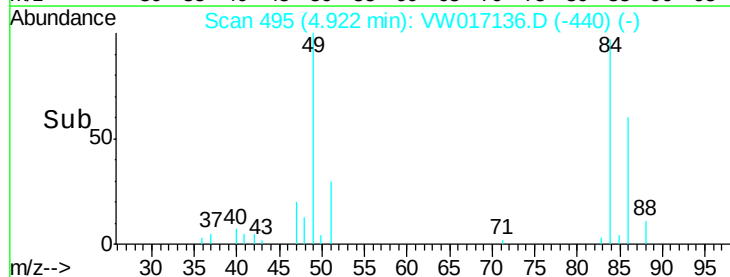
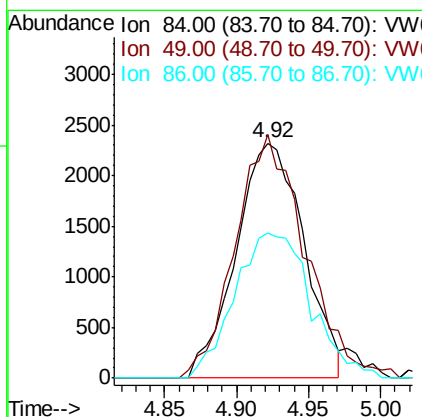
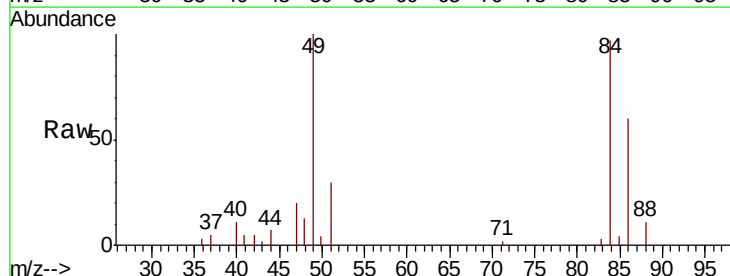
Instrument :
MSVOA_W
ClientSampled :
BG4B5

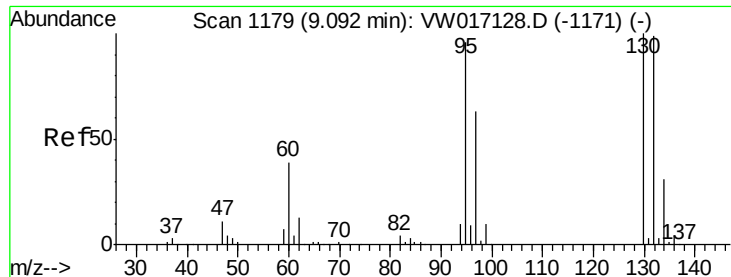
Tot Ion: 76 Resp: 12265
Ion Ratio Lower Upper
76 100
78 9.6 7.6 11.4



#16
Methylene chloride
Concen: 1.122 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017136.D
Acq: 10 Nov 2020 13:37

Tgt Ion: 84 Resp: 7598
Ion Ratio Lower Upper
84 100
49 103.6 72.3 134.3
86 61.7 45.1 83.7





#35

Trichloroethene

Concen: 2.186 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017136.D

Acq: 10 Nov 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

BG4B5

Tot Ion: 95 Resp: 15011

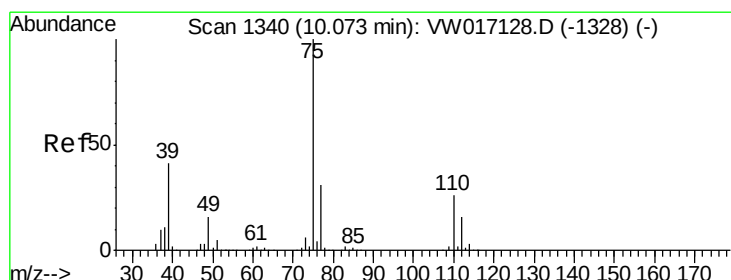
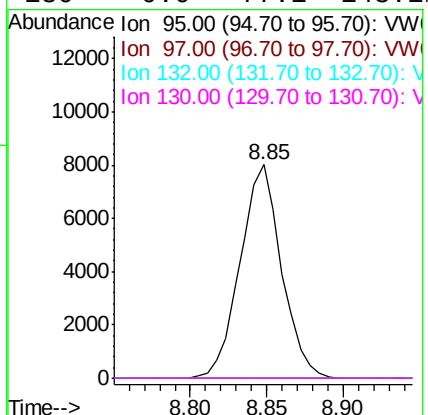
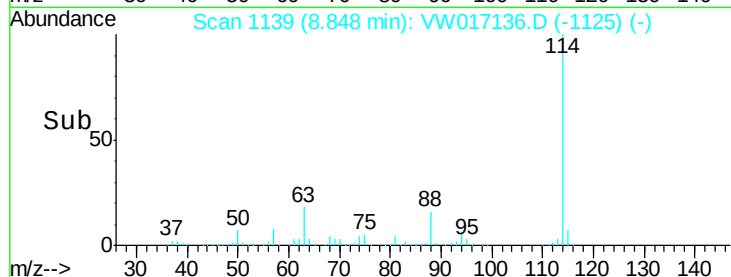
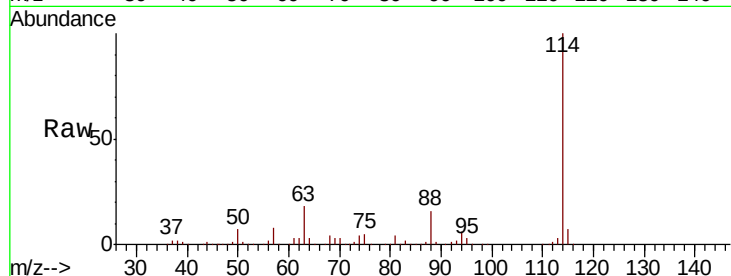
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.0 73.7 136.9#

130 0.0 77.1 143.1#



#42

cis-1,3-Dichloropropene

Concen: 0.421 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW017136.D

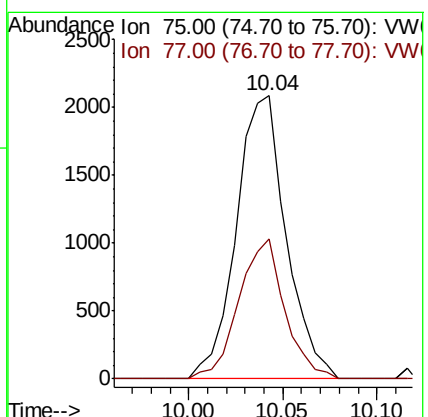
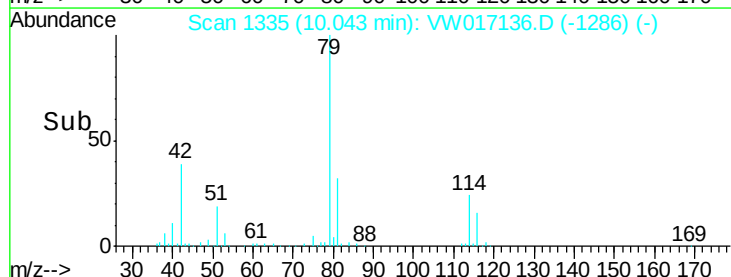
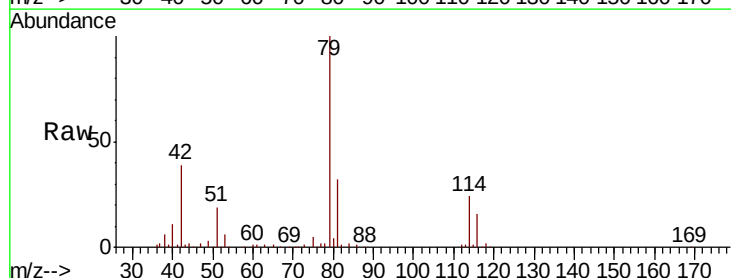
Acq: 10 Nov 2020 13:37

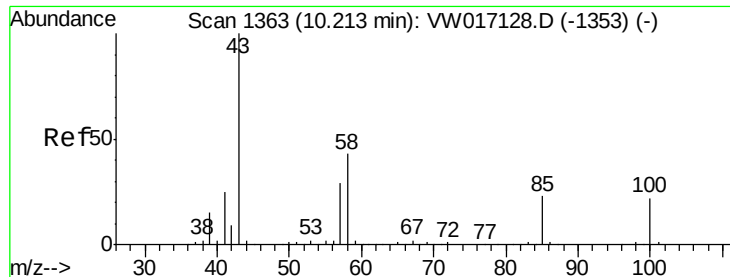
Tgt Ion: 75 Resp: 3824

Ion Ratio Lower Upper

75 100

77 49.3 22.0 41.0#





#43

4-Methyl-2-pentanone

Concen: 1.306 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017136.D

Acq: 10 Nov 2020 13:37

Instrument :

MSVOA_W

ClientSampled :

BG4B5

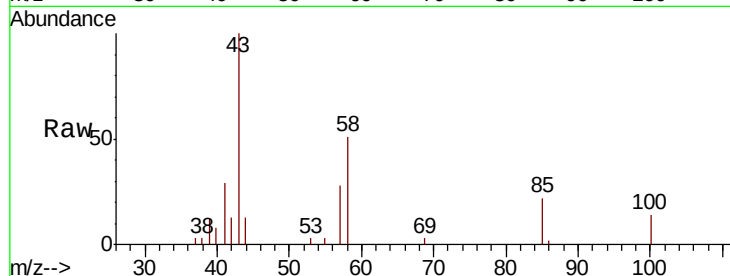
Tot Ion: 43 Resp: 4617

Ion Ratio Lower Upper

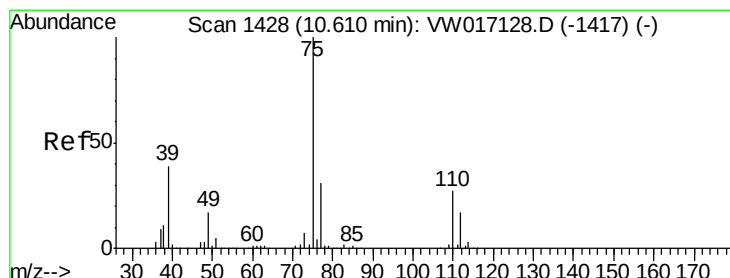
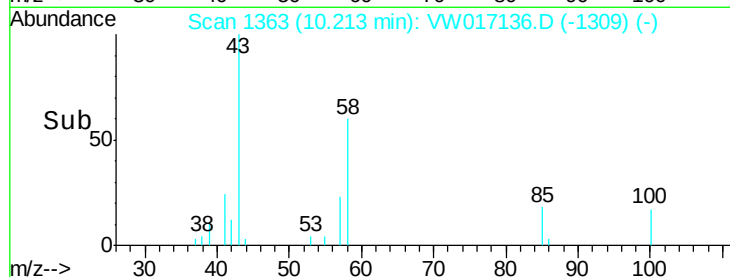
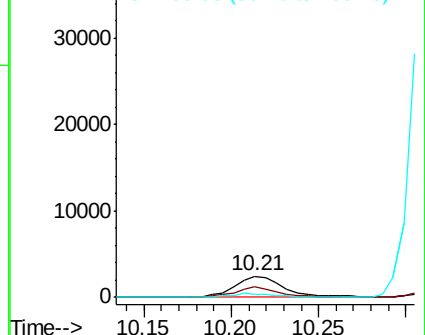
43 100

58 44.4 35.0 52.6

100 17.3 16.6 24.8



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



#45

trans-1,3-Dichloropropene

Concen: 0.280 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017136.D

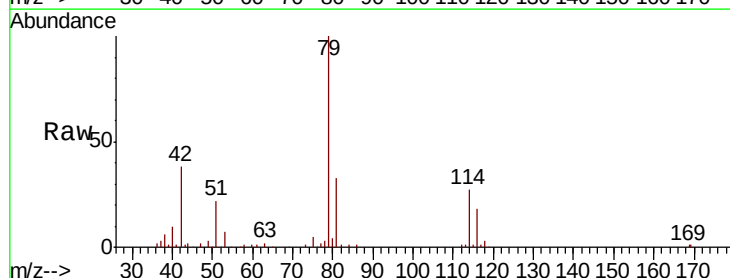
Acq: 10 Nov 2020 13:37

Tgt Ion: 75 Resp: 2182

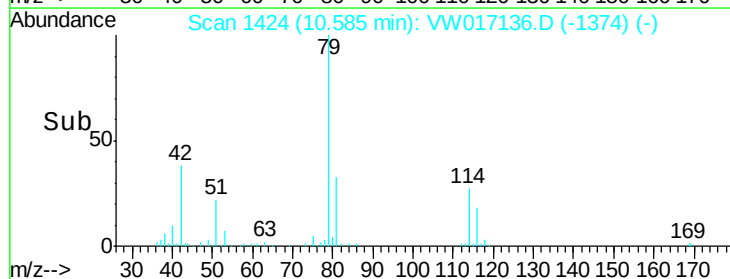
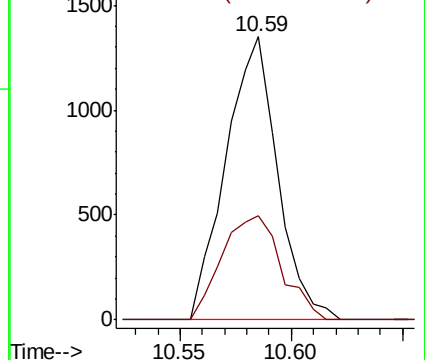
Ion Ratio Lower Upper

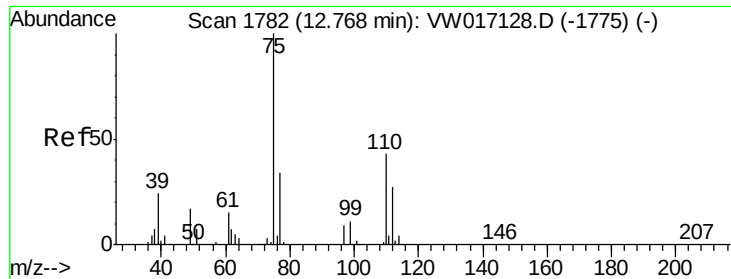
75 100

77 36.8 22.1 41.1



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





#59

1,2,3-Trichloropropane

Concen: 5.375 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017136.D

Acq: 10 Nov 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

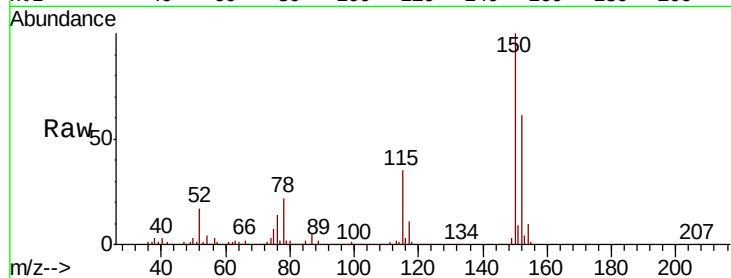
BG4B5

Tot Ion: 75 Resp: 22050

Ion Ratio Lower Upper

75 100

77 39.0 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

