

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081120\
 Data File : VW016138.D
 Acq On : 11 Aug 2020 15:59
 Operator : SY/VA
 Sample : L3599-07MSD
 Misc : 8.64G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY89

Quant Time: Aug 11 18:39:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 16:06:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	330403	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	248775	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	68198	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	111477	27.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.84%
7) Chloroethane-d5	2.89	69	85877	27.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.48%
10) 1,1-Dichloroethene-d2	4.01	63	231453	26.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	106.40%
20) 2-Butanone-d5	7.09	46	87906	81.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	163.10%#
24) Chloroform-d	7.65	84	240189	27.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.36%
26) 1,2-Dichloroethane-d4	8.31	65	138590	29.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.72%
29) Benzene-d6	8.27	84	457879	33.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	135.32%#
33) 1,2-Dichloropropane-d6	9.27	67	136486	34.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	137.20%#
37) Toluene-d8	10.32	98	373501	30.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	120.36%
38) trans-1,3-Dichloropropene-	10.58	79	51256	28.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	114.64%
39) 2-Hexanone-d5	10.93	63	58348	84.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	169.98%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	107625	33.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	132.88%#
61) 1,2-Dichlorobenzene-d4	13.85	152	73929	30.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	122.32%#

Target Compounds

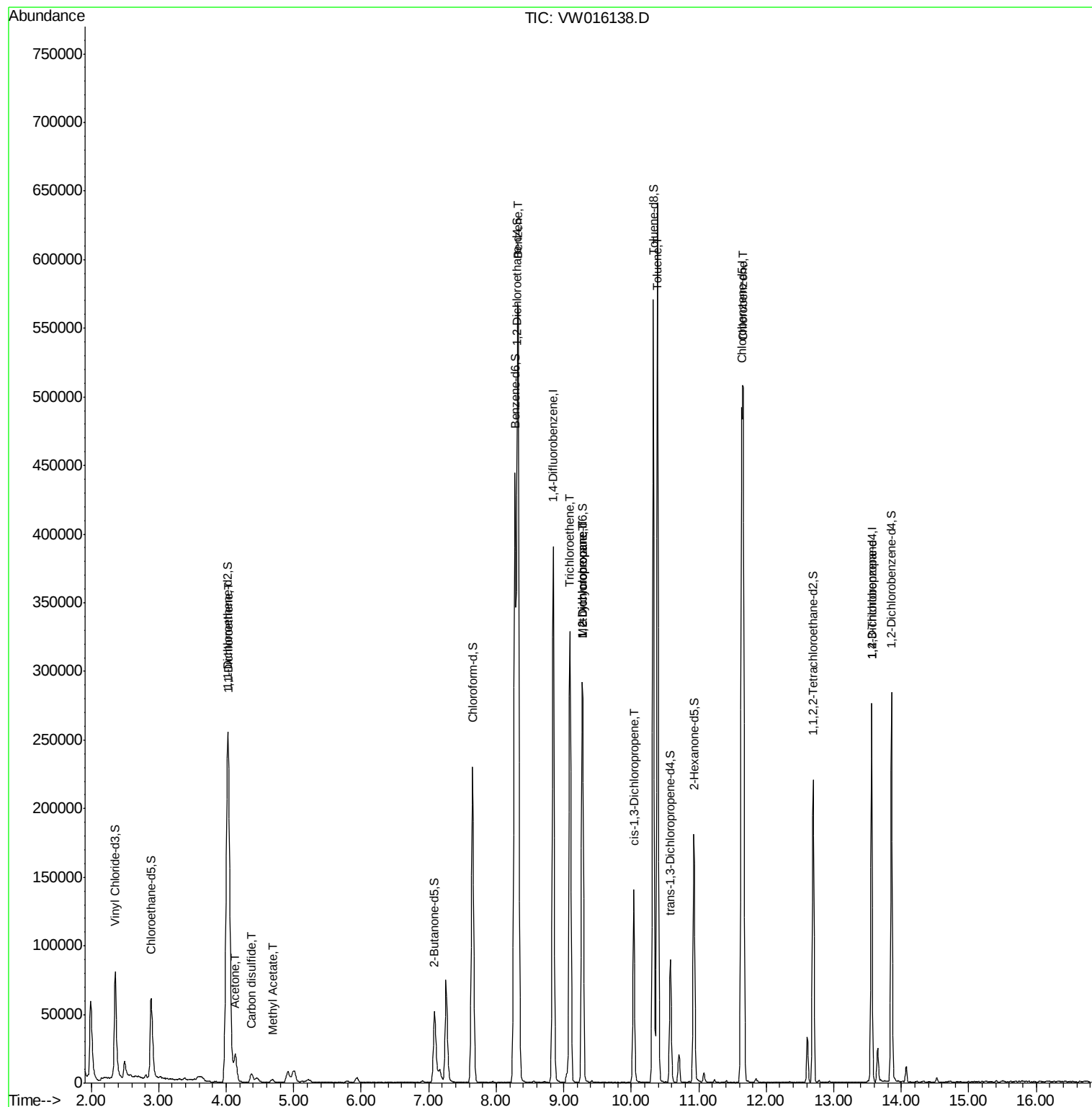
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.04	96	107474	25.344	ug/L	96
13) Acetone	4.14	43	32620	40.004	ug/L	98
14) Carbon disulfide	4.37	76	15903	1.195	ug/L	99
15) Methyl Acetate	4.68	43	4855	2.532	ug/L #	74
34) Benzene	8.32	78	484425	33.767	ug/L	100
35) Trichloroethene	9.09	95	118466	30.711	ug/L	99
36) Methylcyclohexane	9.27	83	35157	5.532	ug/L #	19
40) 1,2-Dichloropropane	9.27	63	15589	4.425	ug/L #	86
42) cis-1,3-Dichloropropene	10.04	75	3545	0.661	ug/L #	58
44) Toluene	10.39	91	469832	31.024	ug/L	100
52) Chlorobenzene	11.66	112	259739	25.922	ug/L	93
59) 1,2,3-Trichloropropane	13.56	75	8338	3.401	ug/L	91

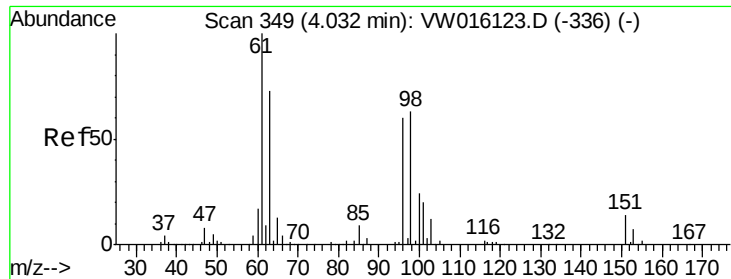
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 25.344 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW016138.D

Acq: 11 Aug 2020 15:59

Instrument :

MSVOA_W

ClientSampled :

GAY89

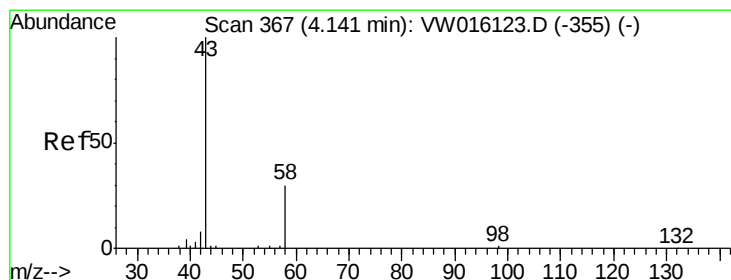
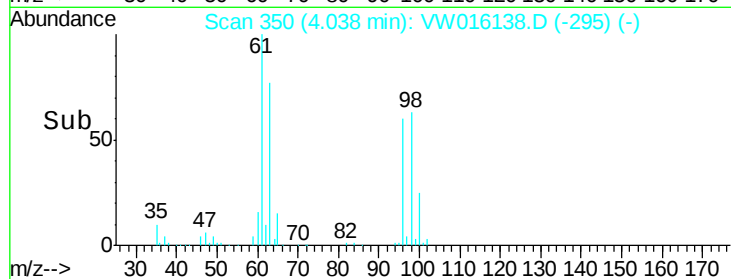
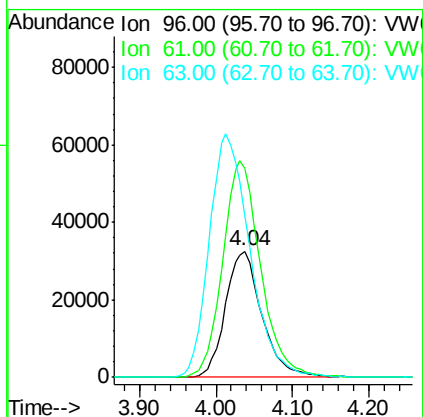
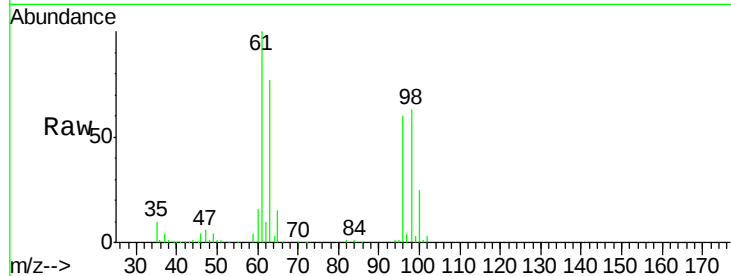
Tgt Ion: 96 Resp: 107474

Ion Ratio Lower Upper

96 100

61 165.5 120.2 223.2

63 127.5 86.4 160.4



#13

Acetone

Concen: 40.004 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW016138.D

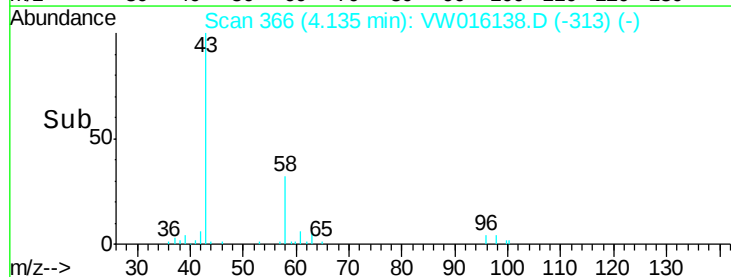
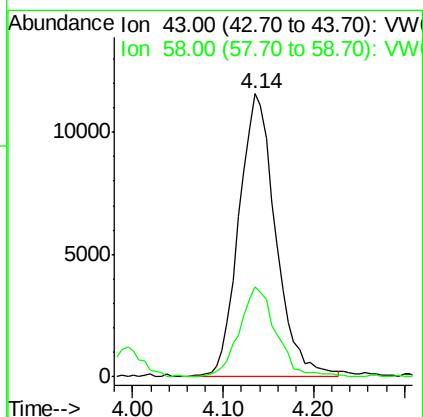
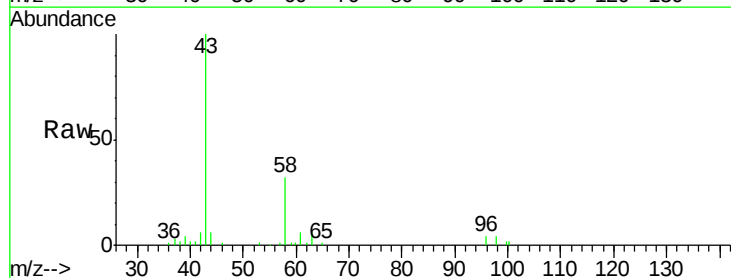
Acq: 11 Aug 2020 15:59

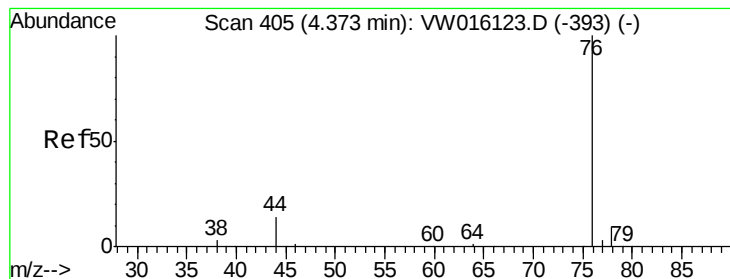
Tgt Ion: 43 Resp: 32620

Ion Ratio Lower Upper

43 100

58 31.0 0.0 59.4





#14

Carbon disulfide

Concen: 1.195 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW016138.D

Acq: 11 Aug 2020 15:59

Instrument :

MSVOA_W

ClientSampled :

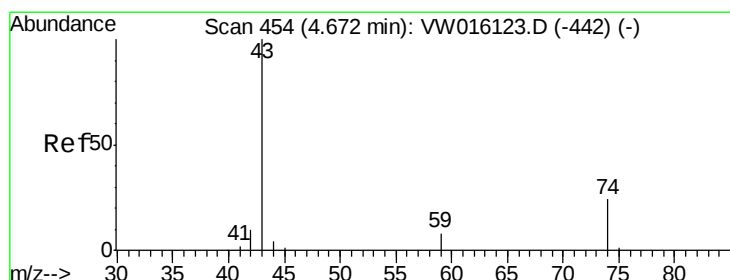
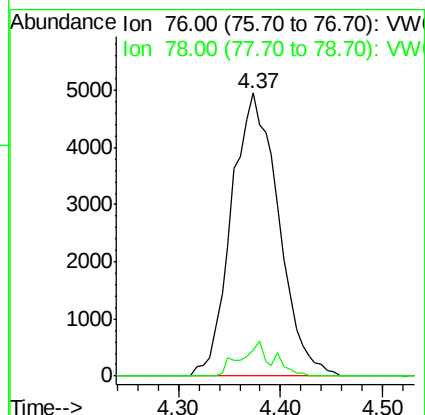
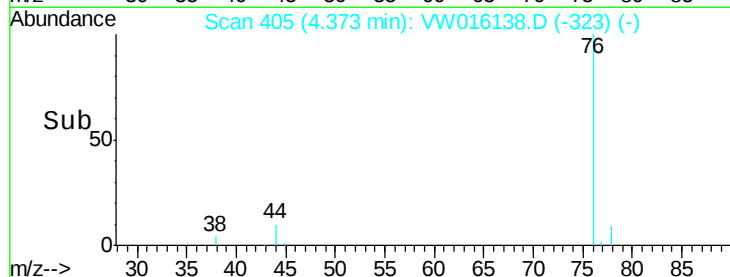
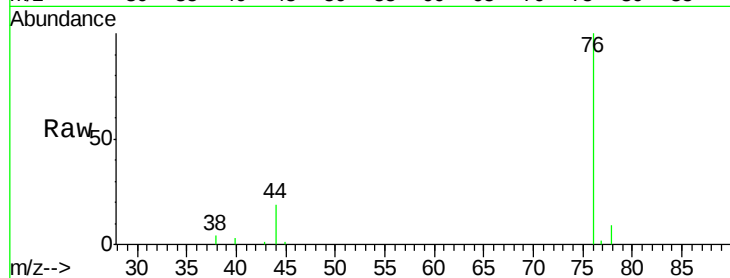
GAY89

Tgt Ion: 76 Resp: 15903

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4



#15

Methyl Acetate

Concen: 2.532 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW016138.D

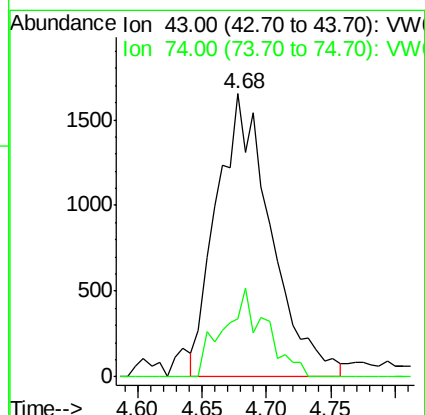
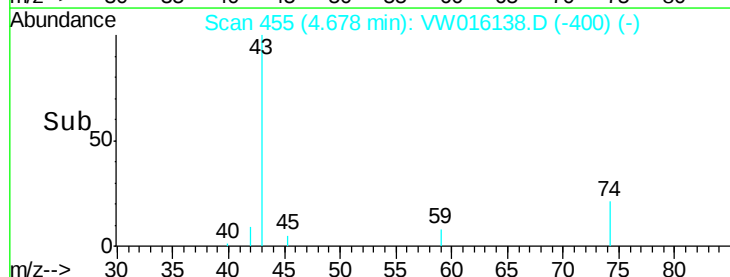
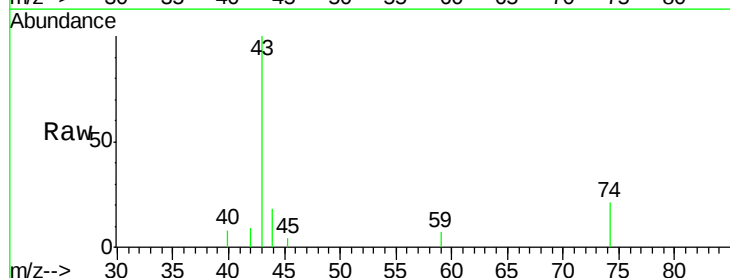
Acq: 11 Aug 2020 15:59

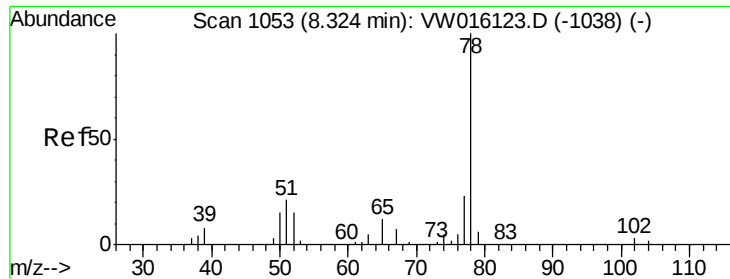
Tgt Ion: 43 Resp: 4855

Ion Ratio Lower Upper

43 100

74 11.0 18.9 28.3#





#34

Benzene

Concen: 33.767 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW016138.D

Acq: 11 Aug 2020 15:59

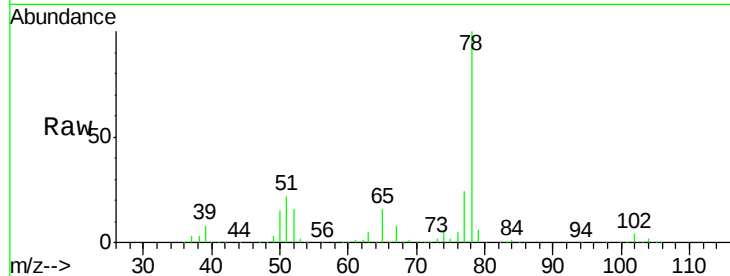
Instrument :

MSVOA_W

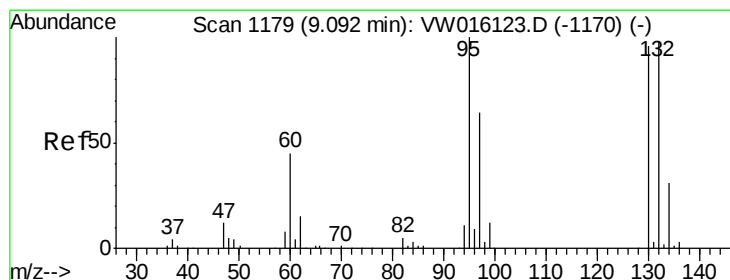
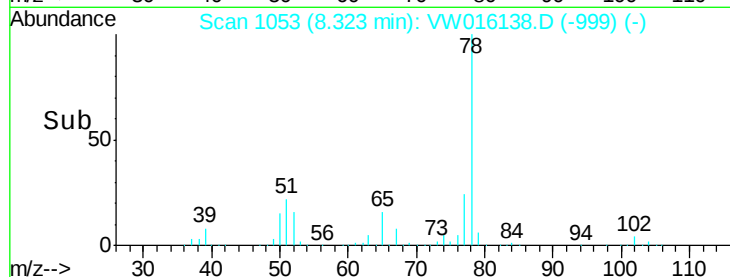
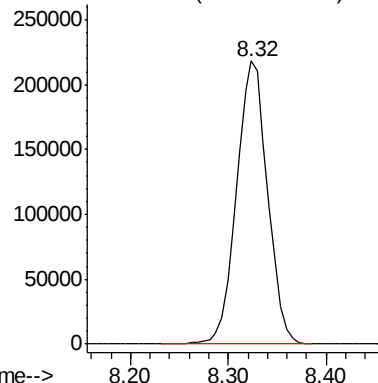
ClientSampleId :

GAY89

Tgt Ion: 78 Resp: 484425



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 30.711 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016138.D

Acq: 11 Aug 2020 15:59

Tgt Ion: 95 Resp: 118466

Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.9	83.3
132	95.0	65.8	122.2
130	98.9	69.5	129.1

95 100

97 64.7 44.9 83.3

132 95.0 65.8 122.2

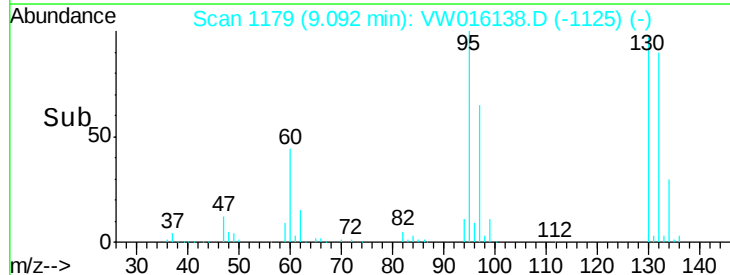
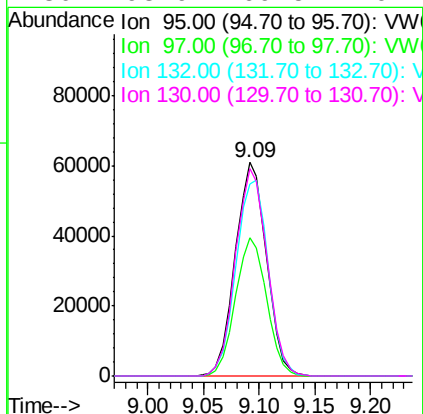
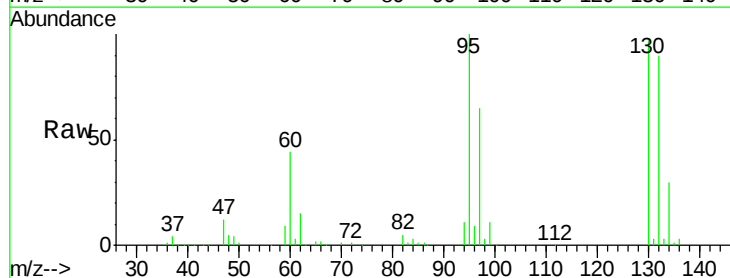
130 98.9 69.5 129.1

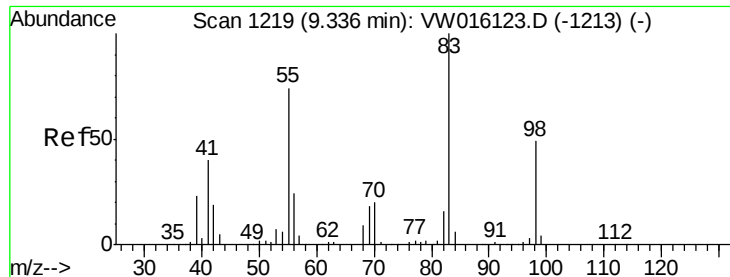
Abundance Ion 95.00 (94.70 to 95.70): VW

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

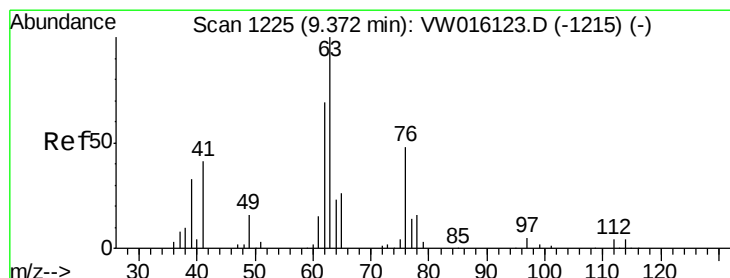
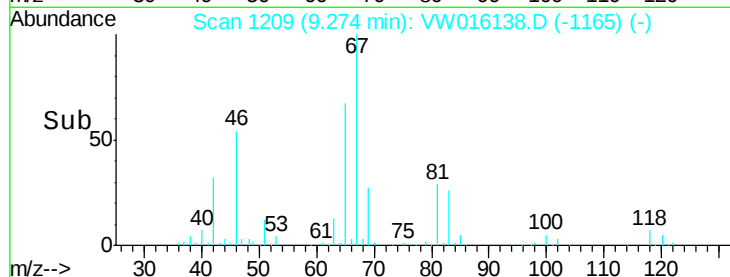
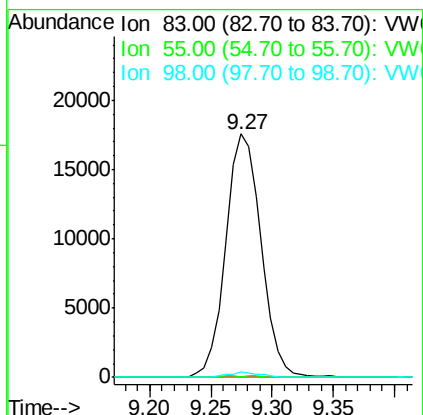
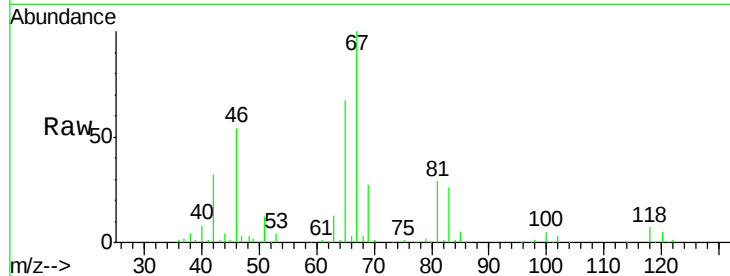




#36
Methylcyclohexane
Concen: 5.532 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW016138.D
Acq: 11 Aug 2020 15:59

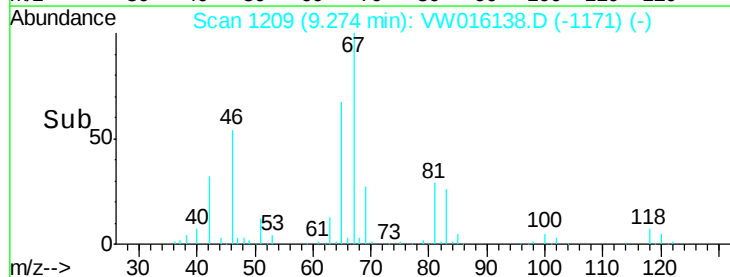
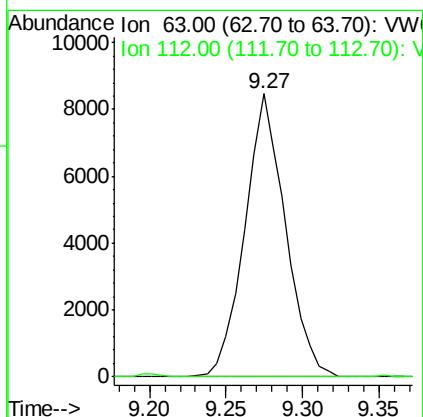
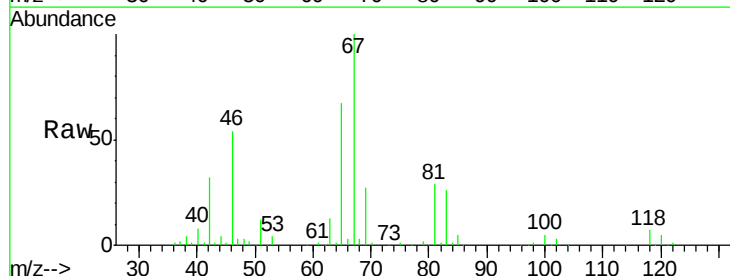
Instrument :
MSVOA_W
ClientSampleId :
GAY89

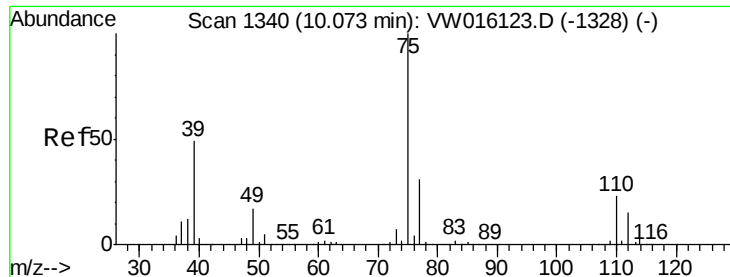
Tgt Ion: 83 Resp: 35157
Ion Ratio Lower Upper
83 100
55 0.2 60.7 91.1#
98 1.8 39.4 59.0#



#40
1,2-Dichloropropane
Concen: 4.425 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.10 min
Lab File: VW016138.D
Acq: 11 Aug 2020 15:59

Tgt Ion: 63 Resp: 15589
Ion Ratio Lower Upper
63 100
112 0.5 4.0 6.0#





#42

cis-1,3-Dichloropropene

Concen: 0.661 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016138.D

Acq: 11 Aug 2020 15:59

Instrument :

MSVOA_W

ClientSampleId :

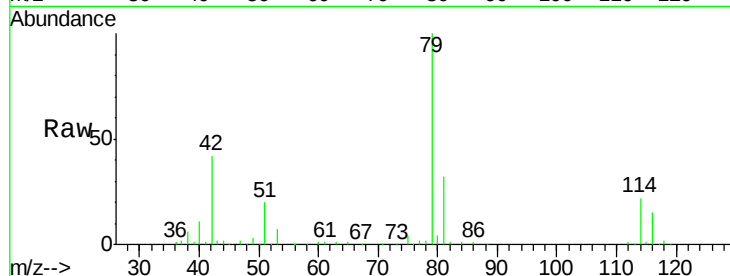
GAY89

Tgt Ion: 75 Resp: 3545

Ion Ratio Lower Upper

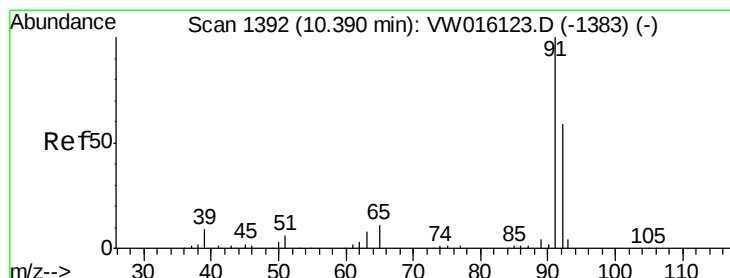
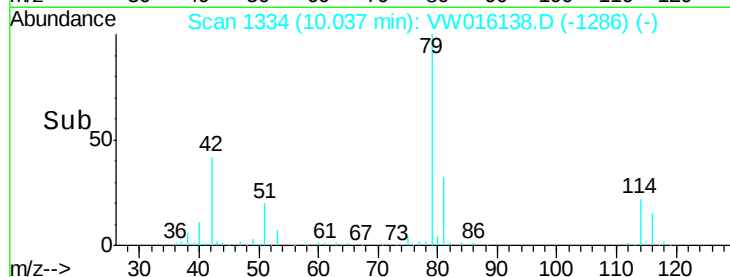
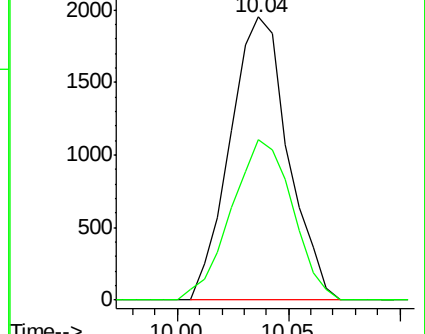
75 100

77 56.5 22.9 42.5#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#44

Toluene

Concen: 31.024 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016138.D

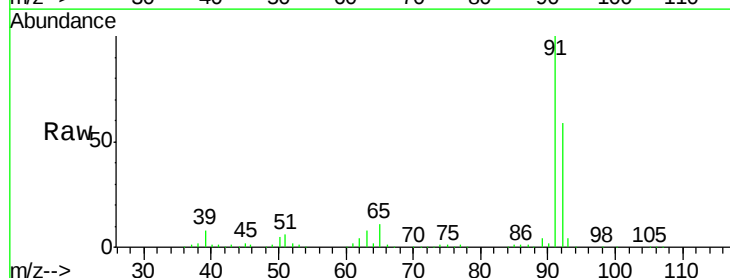
Acq: 11 Aug 2020 15:59

Tgt Ion: 91 Resp: 469832

Ion Ratio Lower Upper

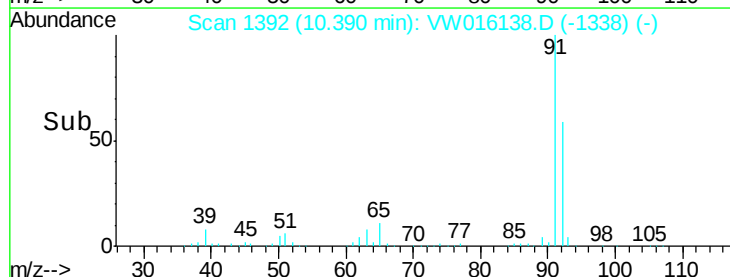
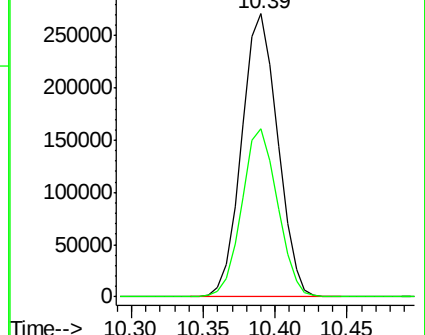
91 100

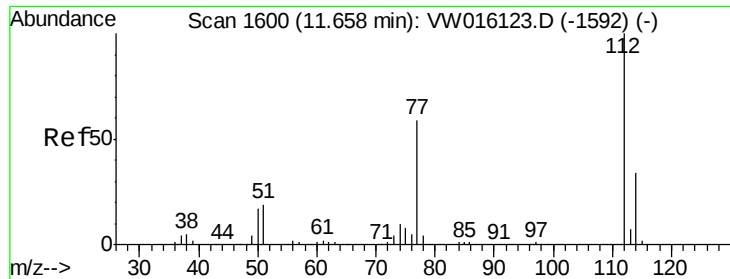
92 59.5 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#52

Chlorobenzene

Concen: 25.922 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW016138.D

Acq: 11 Aug 2020 15:59

Instrument :

MSVOA_W

ClientSampled :

GAY89

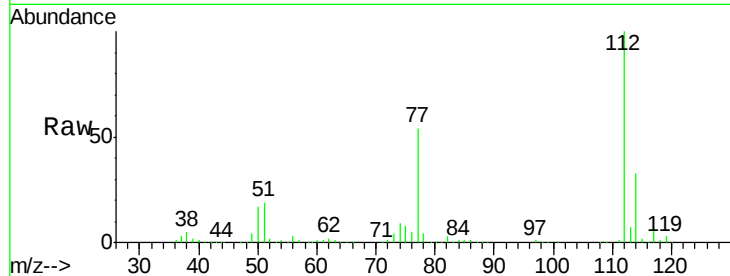
Tgt Ion: 112 Resp: 259739

Ion Ratio Lower Upper

112 100

77 54.3 49.1 73.7

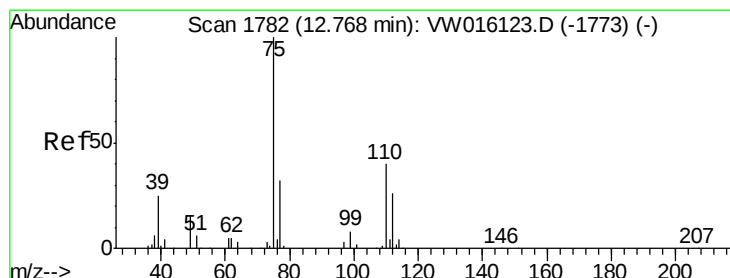
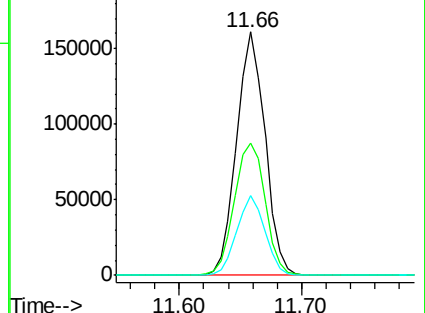
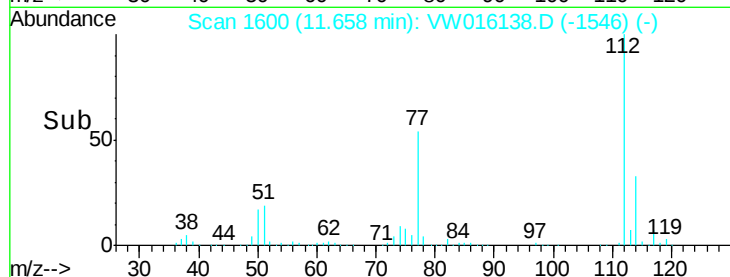
114 32.6 23.5 43.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#59

1,2,3-Trichloropropane

Concen: 3.401 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016138.D

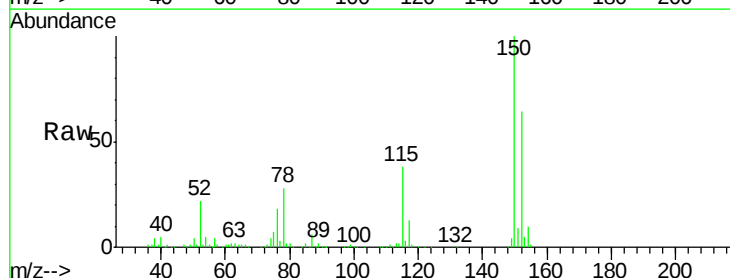
Acq: 11 Aug 2020 15:59

Tgt Ion: 75 Resp: 8338

Ion Ratio Lower Upper

75 100

77 37.3 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

