

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081020\
 Data File : VW016120.D
 Acq On : 10 Aug 2020 23:28
 Operator : SY/VA
 Sample : L3599-04
 Misc : 5.97G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY88

Quant Time: Aug 11 02:00:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 01:19:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	334814	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	272009	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	62377	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	108186	26.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.24%
7) Chloroethane-d5	2.89	69	78588	24.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.76%
10) 1,1-Dichloroethene-d2	4.01	63	166339	18.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.48%
20) 2-Butanone-d5	7.09	46	80912	74.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	148.16%#
24) Chloroform-d	7.65	84	228168	25.39	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.56%
26) 1,2-Dichloroethane-d4	8.30	65	140582	29.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.84%
29) Benzene-d6	8.27	84	432037	29.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	116.80%
33) 1,2-Dichloropropane-d6	9.27	67	132480	30.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	121.80%#
37) Toluene-d8	10.32	98	359223	26.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.88%
38) trans-1,3-Dichloropropene-	10.58	79	56866	29.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	116.32%
39) 2-Hexanone-d5	10.93	63	63915	85.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	170.30%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	120187	33.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	135.72%#
61) 1,2-Dichlorobenzene-d4	13.86	152	61482	27.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.24%

Target Compounds

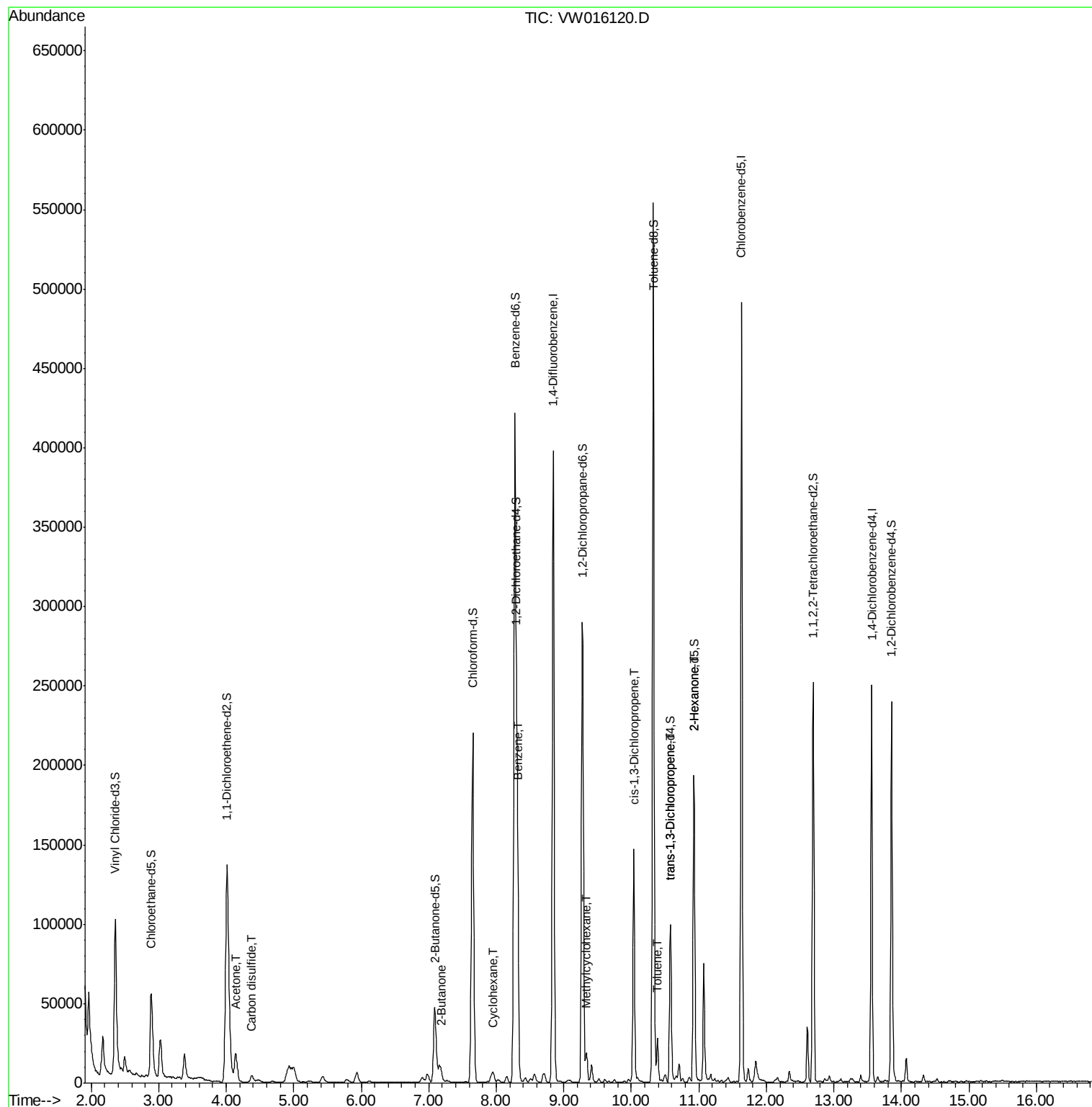
					Ovalue
13) Acetone	4.13	43	33105	40.064	ug/L 97
14) Carbon disulfide	4.37	76	9724	0.721	ug/L 100
21) 2-Butanone	7.19	43	4842	3.697	ug/L 84
30) Cyclohexane	7.95	56	3483	0.588	ug/L 88
34) Benzene	8.32	78	18856	1.202	ug/L 100
36) Methylcyclohexane	9.34	83	6439	0.927	ug/L 95
42) cis-1,3-Dichloropropene	10.04	75	4000	0.682	ug/L # 75
44) Toluene	10.39	91	19265	1.163	ug/L 98
45) trans-1,3-Dichloropropene	10.59	75	2646	0.502	ug/L # 80
49) 2-Hexanone	10.93	43	8170	5.226	ug/L # 68

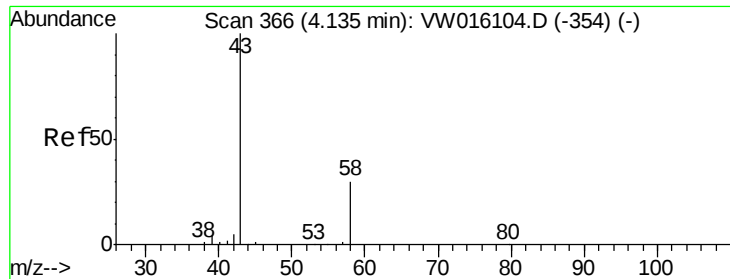
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 11 01:19:31 2020
Response via : Initial Calibration





#13

Acetone

Concen: 40.064 ug/L

RT: 4.13 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW016120.D

Acq: 10 Aug 2020 23:28

Instrument :

MSVOA_W

ClientSampled :

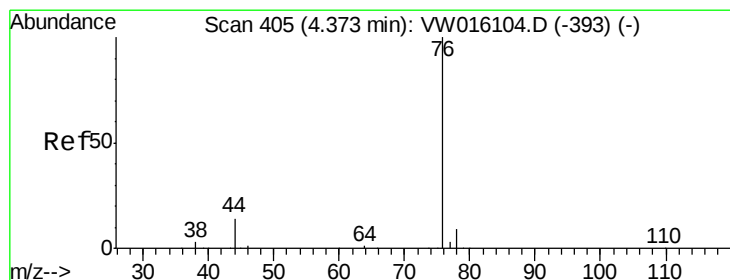
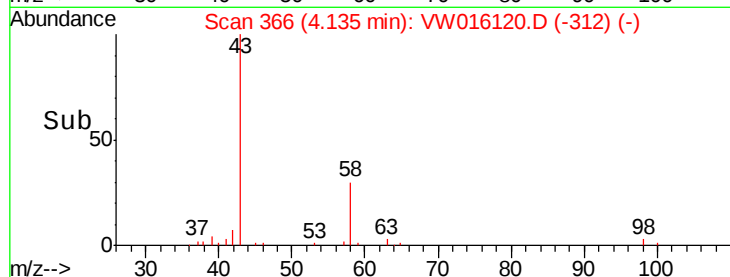
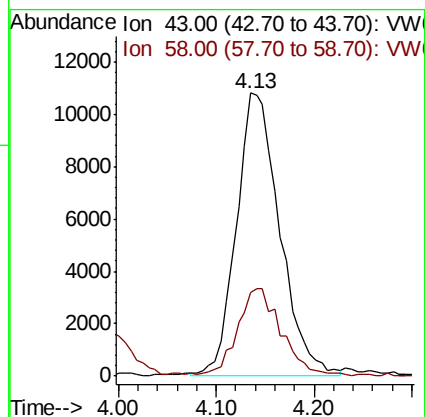
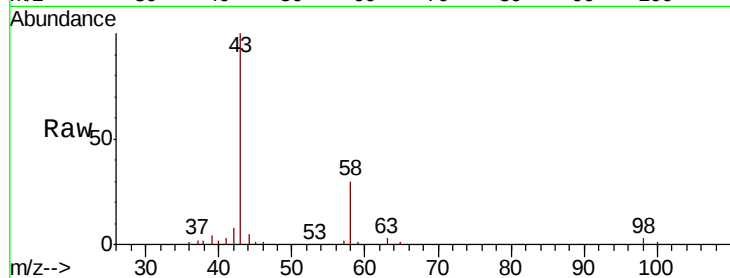
GAY88

Tot Ion: 43 Resp: 33105

Ion Ratio Lower Upper

43 100

58 31.3 0.0 59.4



#14

Carbon disulfide

Concen: 0.721 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW016120.D

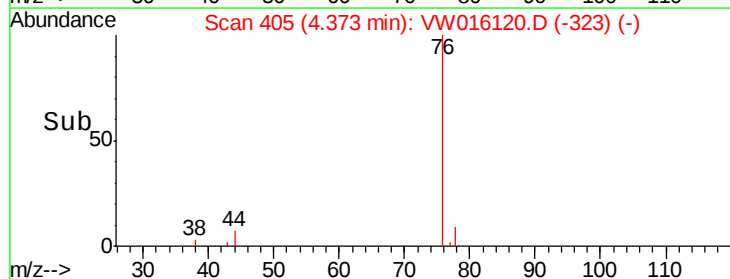
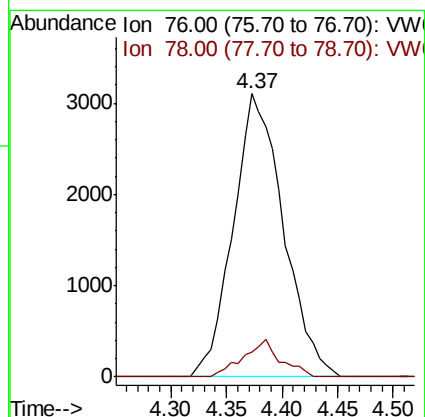
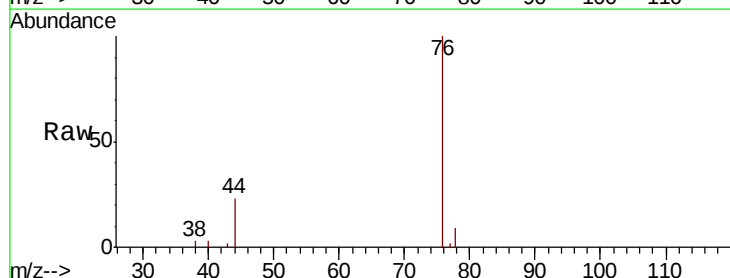
Acq: 10 Aug 2020 23:28

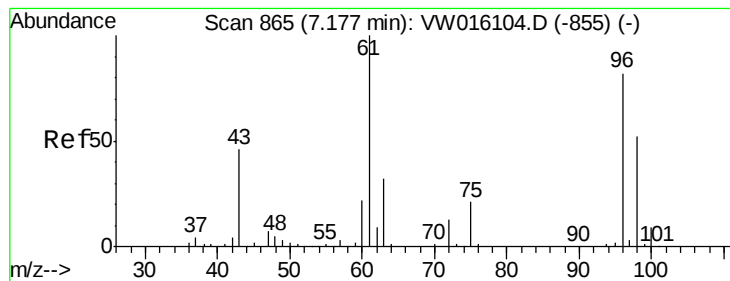
Tgt Ion: 76 Resp: 9724

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.4





#21

2-Butanone

Concen: 3.697 ug/L

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW016120.D

Acq: 10 Aug 2020 23:28

Instrument :

MSVOA_W

ClientSampled :

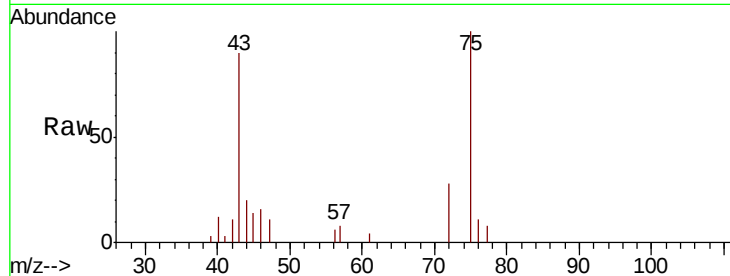
GAY88

Tot Ion: 43 Resp: 4842

Ion Ratio Lower Upper

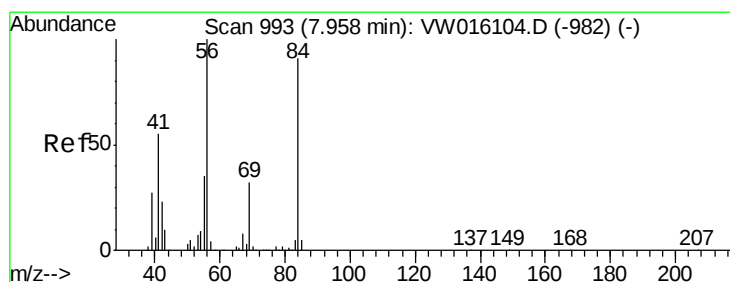
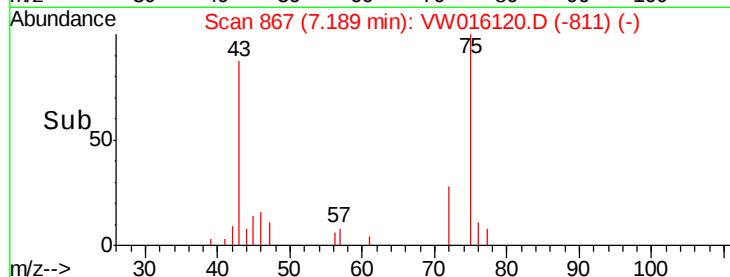
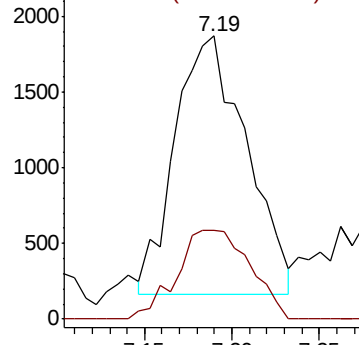
43 100

72 19.5 13.9 41.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#30

Cyclohexane

Concen: 0.588 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW016120.D

Acq: 10 Aug 2020 23:28

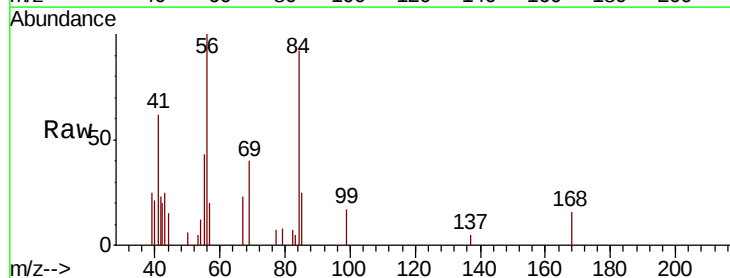
Tgt Ion: 56 Resp: 3483

Ion Ratio Lower Upper

56 100

69 27.2 25.4 38.0

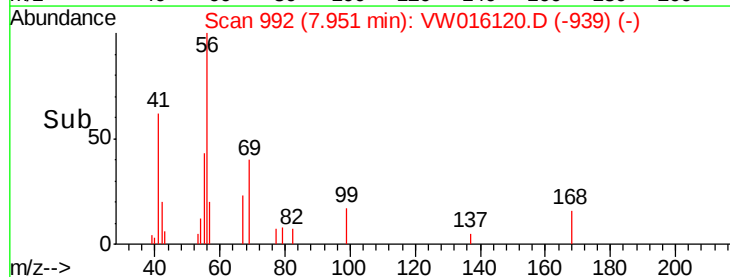
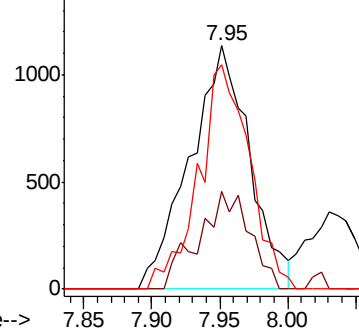
84 78.6 73.0 109.6

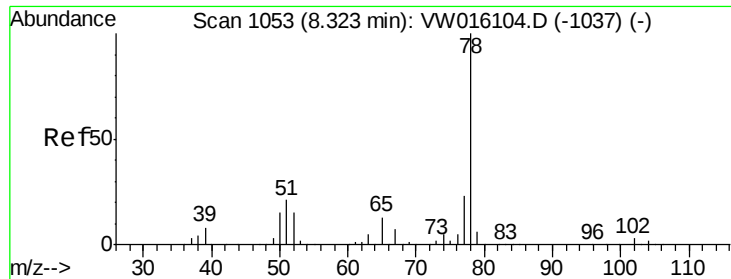


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#34

Benzene

Concen: 1.202 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW016120.D

Acq: 10 Aug 2020 23:28

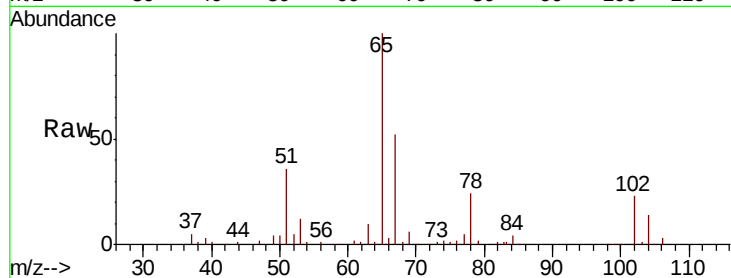
Instrument :

MSVOA_W

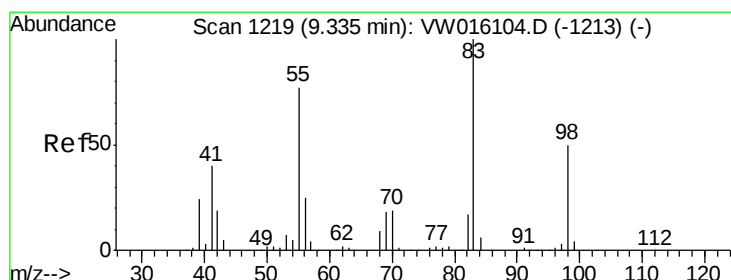
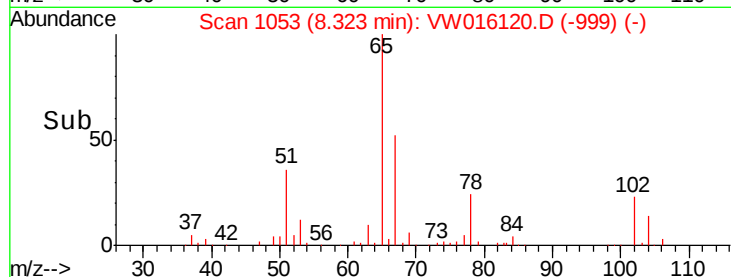
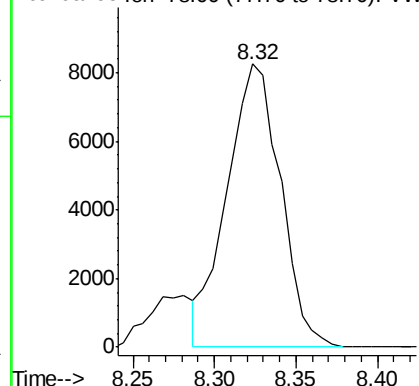
ClientSampleId :

GAY88

Tgt Ion: 78 Resp: 18856



Abundance Ion 78.00 (77.70 to 78.70): VW



#36

Methylcyclohexane

Concen: 0.927 ug/L

RT: 9.34 min Scan# 1220

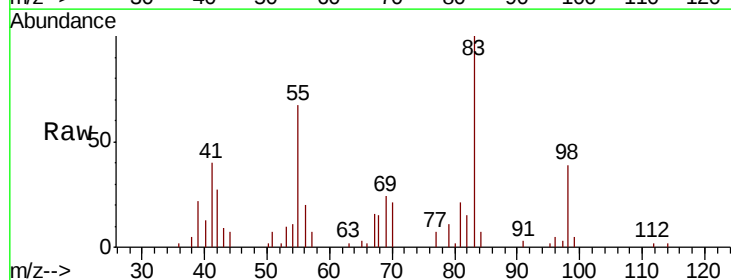
Delta R.T. 0.01 min

Lab File: VW016120.D

Acq: 10 Aug 2020 23:28

Tgt Ion: 83 Resp: 6439

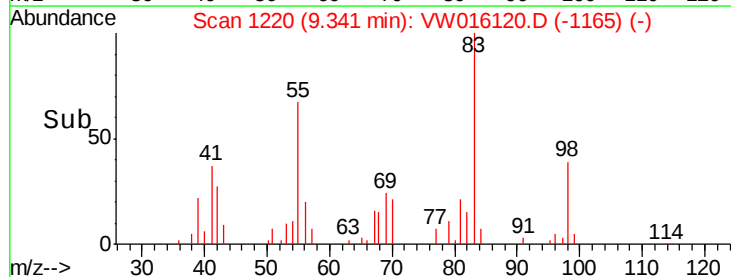
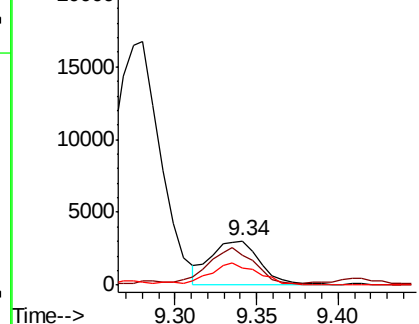
Ion	Ratio	Lower	Upper
83	100		
55	81.7	60.7	91.1
98	47.0	39.4	59.0

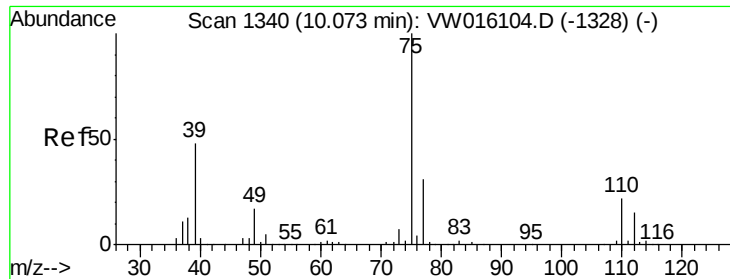


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

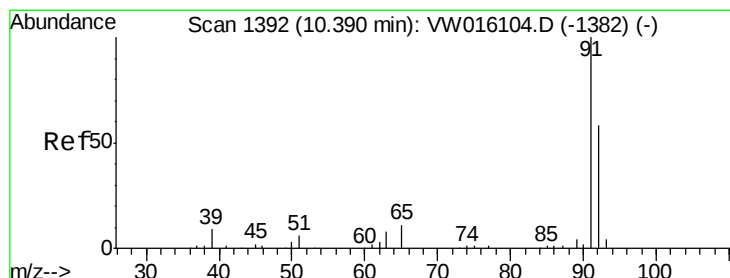
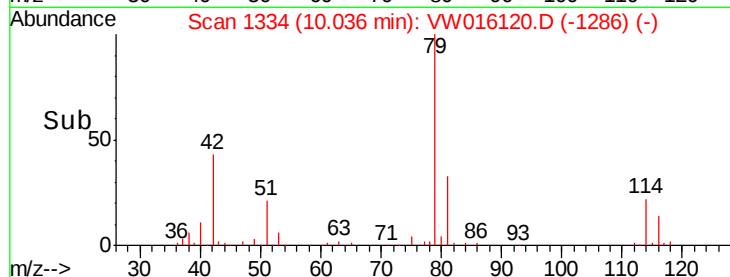
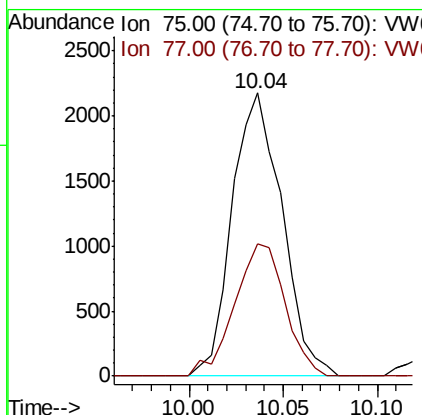
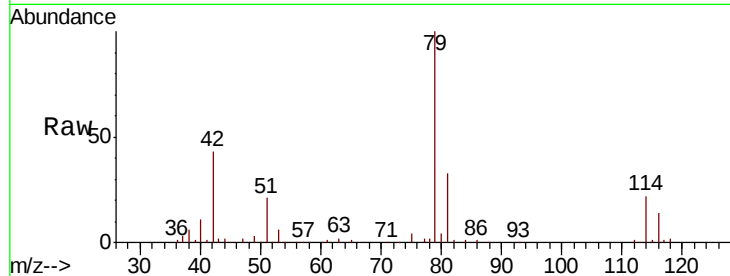




#42
 cis-1,3-Dichloropropene
 Concen: 0.682 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW016120.D
 Acq: 10 Aug 2020 23:28

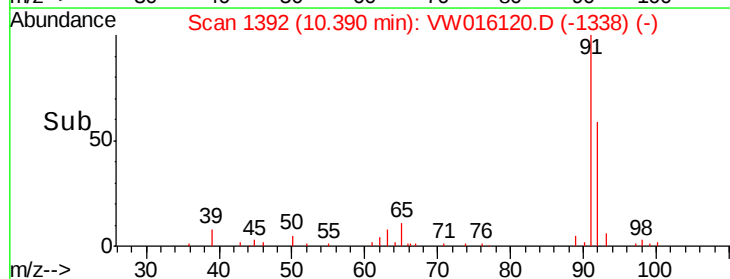
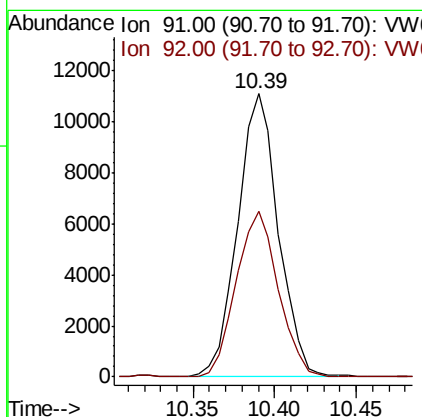
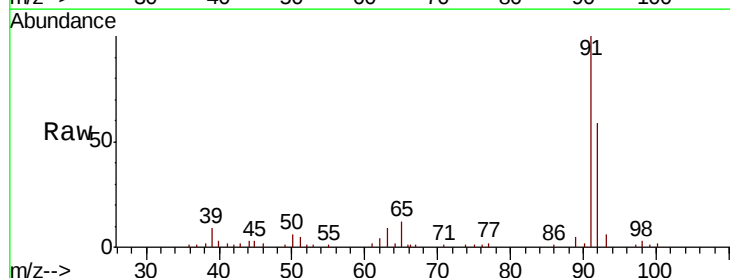
Instrument :
 MSVOA_W
 ClientSampleId :
 GAY88

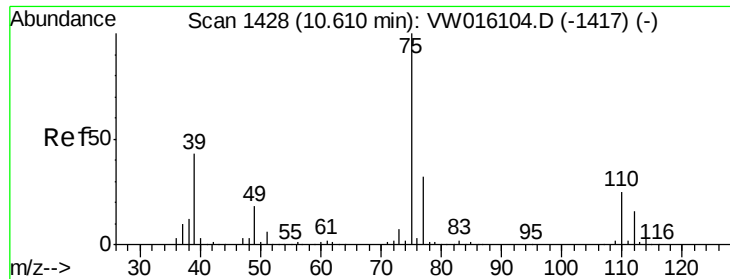
Tot Ion: 75 Resp: 4000
 Ion Ratio Lower Upper
 75 100
 77 46.6 22.9 42.5#



#44
 Toluene
 Concen: 1.163 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW016120.D
 Acq: 10 Aug 2020 23:28

Tgt Ion: 91 Resp: 19265
 Ion Ratio Lower Upper
 91 100
 92 58.5 41.8 77.6





#45

trans-1,3-Dichloropropene

Concen: 0.502 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016120.D

Acq: 10 Aug 2020 23:28

Instrument :

MSVOA_W

ClientSampleId :

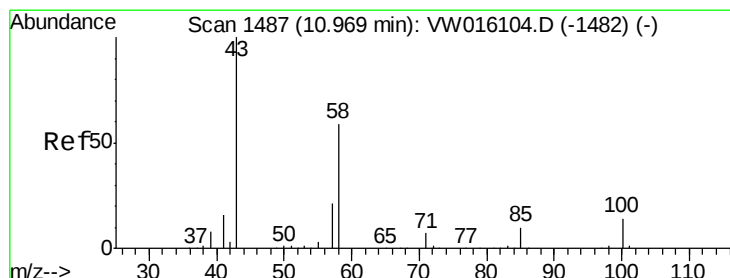
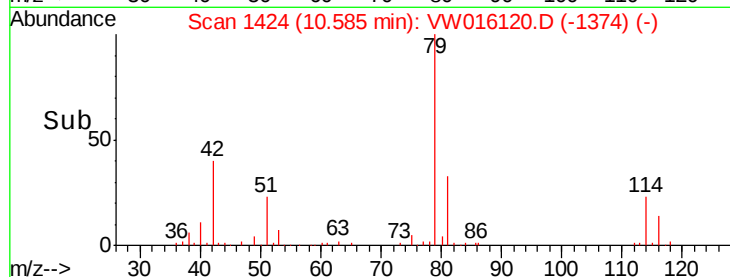
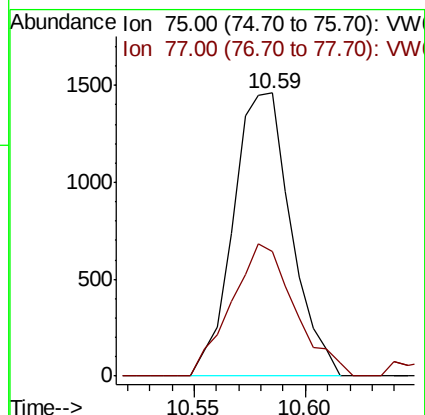
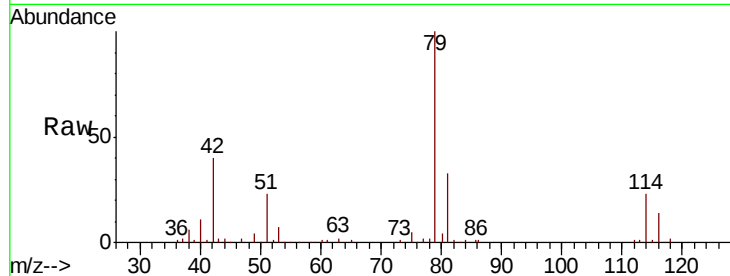
GAY88

Tot Ion: 75 Resp: 2646

Ion Ratio Lower Upper

75 100

77 43.9 22.7 42.1#



#49

2-Hexanone

Concen: 5.226 ug/L

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW016120.D

Acq: 10 Aug 2020 23:28

Tgt Ion: 43 Resp: 8170

Ion Ratio Lower Upper

43 100

58 29.2 44.2 66.2#

57 30.9 15.8 23.6#

100 1.8 10.8 16.2#

