

Data File : VW013806.D
Acq On : 29 Oct 2019 21:43
Operator : SY/VA
Sample : K5549-21MS
Misc : 3.81G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAQ73MS

Quant Time: Oct 30 08:19:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 30 08:16:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	321821	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	313653	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	164842	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	97121	24.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.40%
7) Chloroethane-d5	2.89	69	78013	21.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.68%
10) 1,1-Dichloroethene-d2	4.03	63	203794	23.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.48%
20) 2-Butanone-d5	7.07	46	64577	45.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.46%
24) Chloroform-d	7.65	84	207743	23.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.28%
26) 1,2-Dichloroethane-d4	8.31	65	112794	23.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.80%
29) Benzene-d6	8.27	84	432621	22.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.84%
33) 1,2-Dichloropropane-d6	9.27	67	134268	23.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.44%
37) Toluene-d8	10.32	98	402813	23.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.72%
38) trans-1,3-Dichloropropene-	10.58	79	57133	22.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.00%
39) 2-Hexanone-d5	10.93	63	54569	50.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	110767	24.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	142124	24.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.60%

Target Compounds

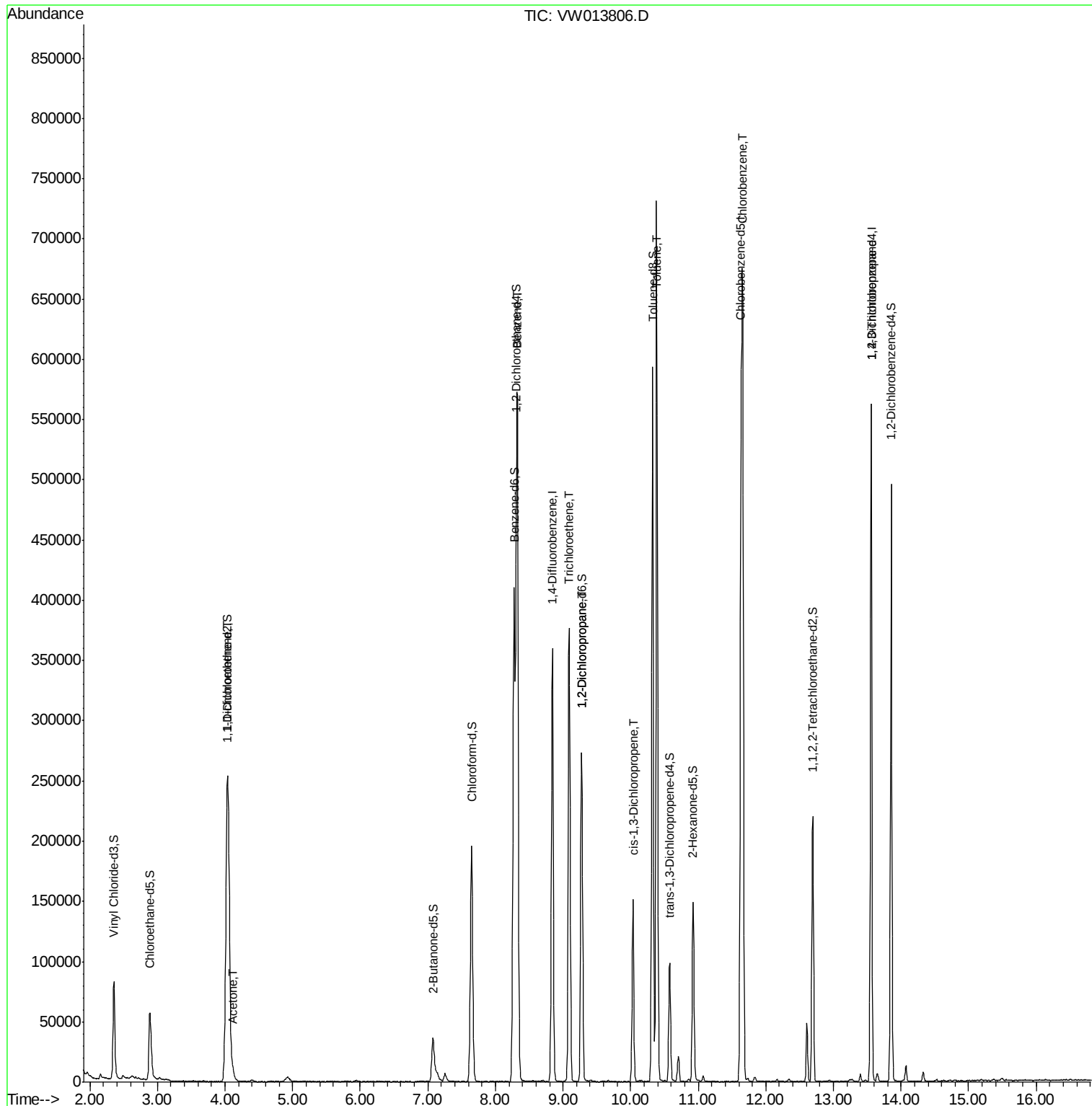
						Qvalue
12) 1,1-Dichloroethene	4.04	96	118277	23.125	ug/L	94
13) Acetone	4.12	43	8402	5.360	ug/L	83
34) Benzene	8.32	78	522752	23.228	ug/L	100
35) Trichloroethene	9.09	95	133296	23.085	ug/L	99
40) 1,2-Dichloropropane	9.27	63	14021	2.548	ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	3351	0.386	ug/L #	66
44) Toluene	10.39	91	567295	23.462	ug/L	98
52) Chlorobenzene	11.66	112	360932	23.331	ug/L	97
59) 1,2,3-Trichloropropane	13.55	75	16677	4.496	ug/L	93

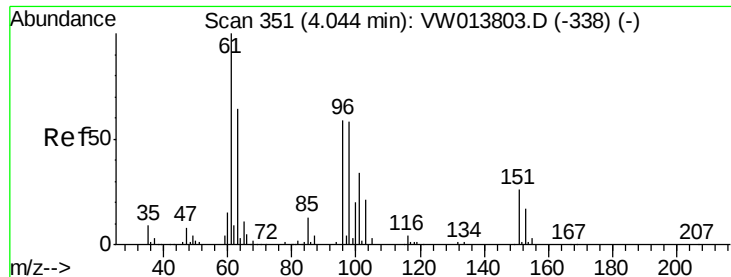
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 23.125 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW013806.D

Acq: 29 Oct 2019 21:43

Instrument :

MSVOA_W

ClientSampleId :

GAQ73MS

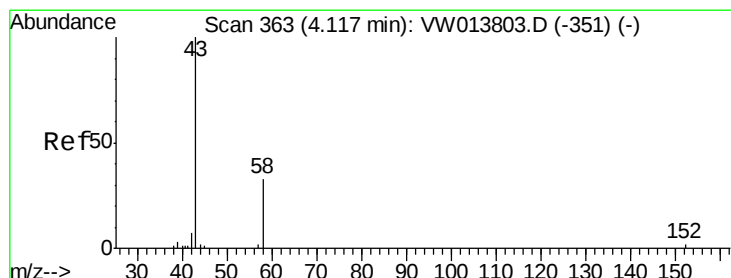
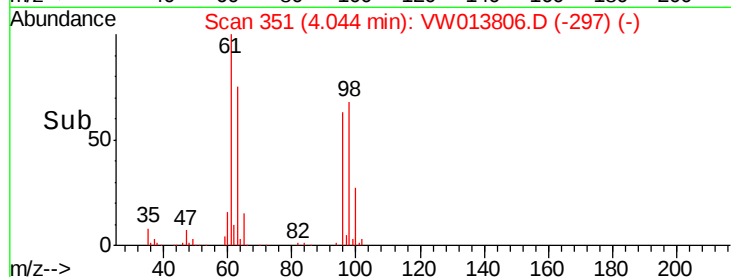
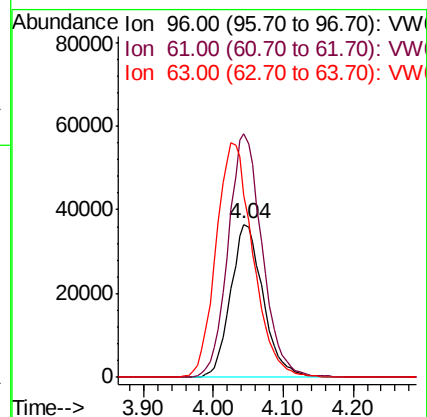
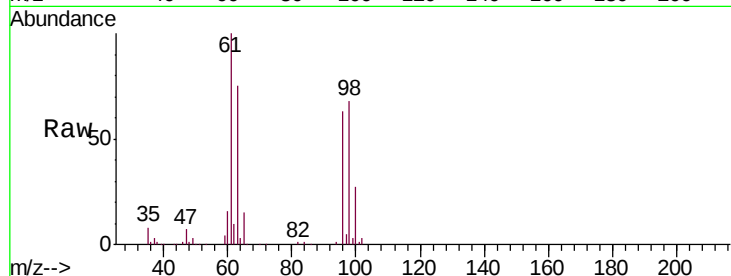
Tgt Ion: 96 Resp: 118277

Ion Ratio Lower Upper

96 100

61 159.2 112.7 209.3

63 118.8 72.8 135.2



#13

Acetone

Concen: 5.360 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013806.D

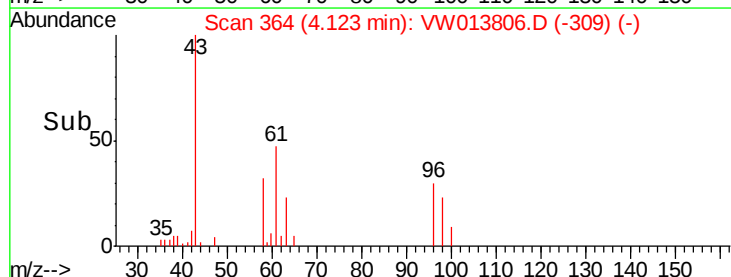
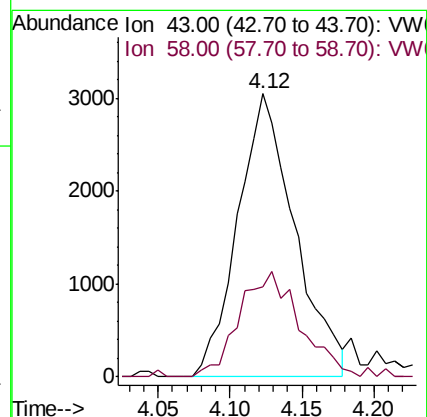
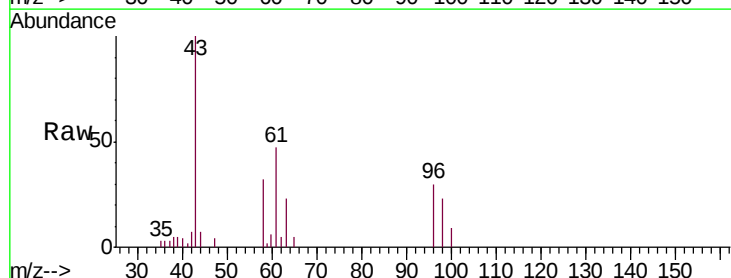
Acq: 29 Oct 2019 21:43

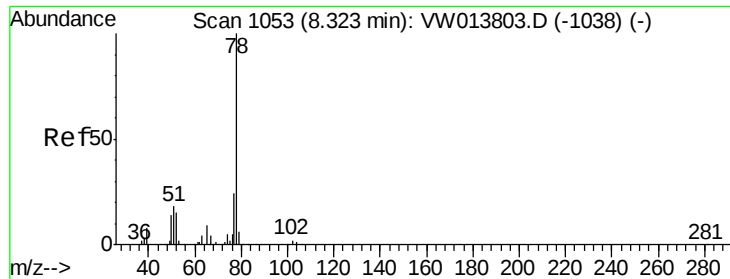
Tgt Ion: 43 Resp: 8402

Ion Ratio Lower Upper

43 100

58 25.4 0.0 70.4





#34

Benzene

Concen: 23.228 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW013806.D

Acq: 29 Oct 2019 21:43

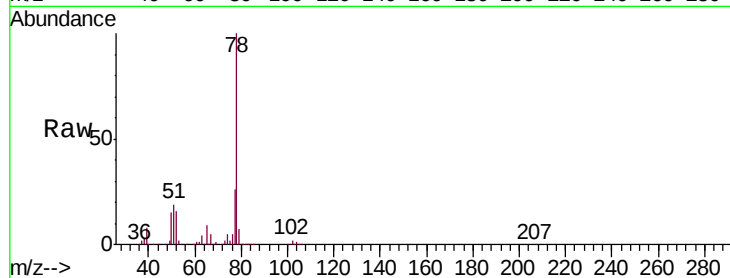
Instrument :

MSVOA_W

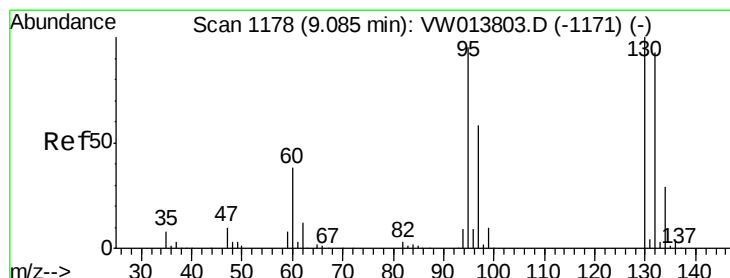
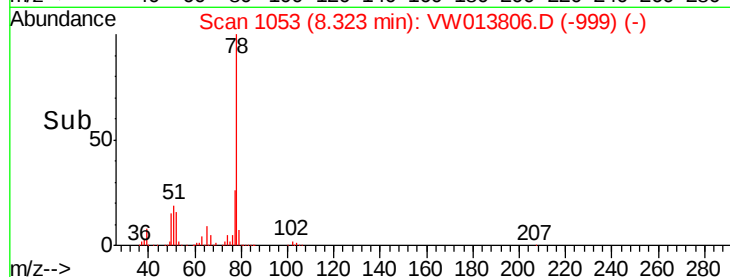
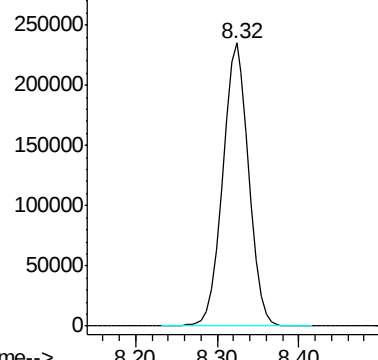
ClientSampleId :

GAQ73MS

Tgt Ion: 78 Resp: 522752



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 23.085 ug/L

RT: 9.09 min Scan# 1179

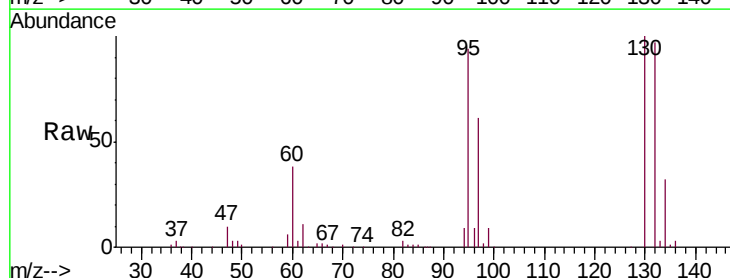
Delta R.T. 0.01 min

Lab File: VW013806.D

Acq: 29 Oct 2019 21:43

Tgt Ion: 95 Resp: 133296

Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.8	85.2
132	104.3	74.3	138.1
130	110.4	76.6	142.3

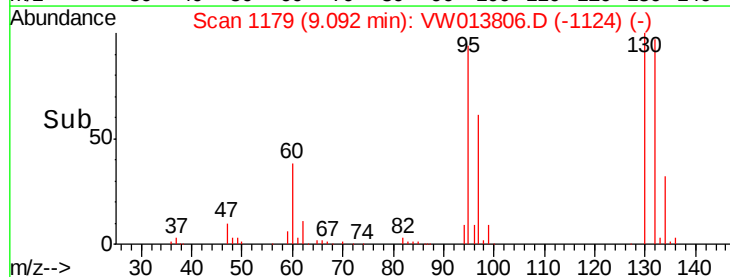
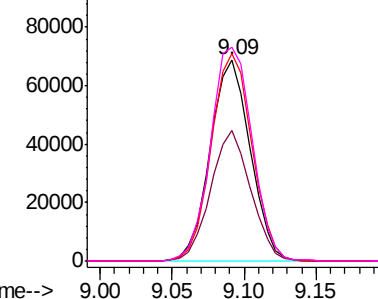


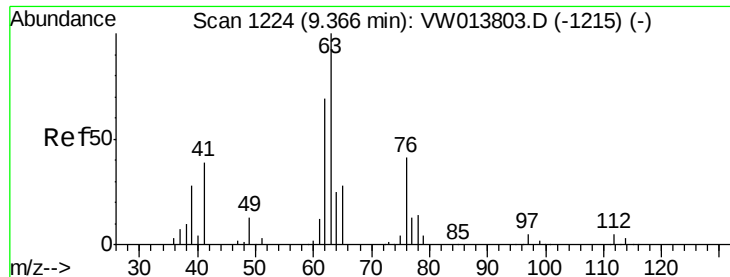
Abundance Ion 95.00 (94.70 to 95.70): VW

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

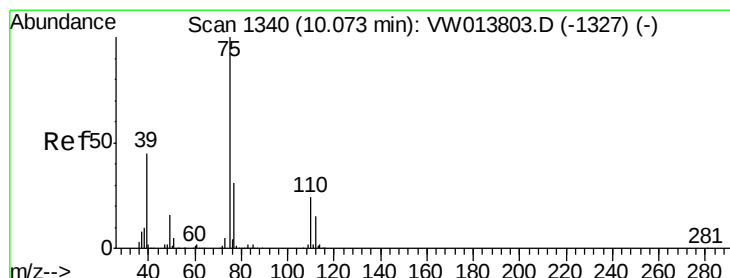
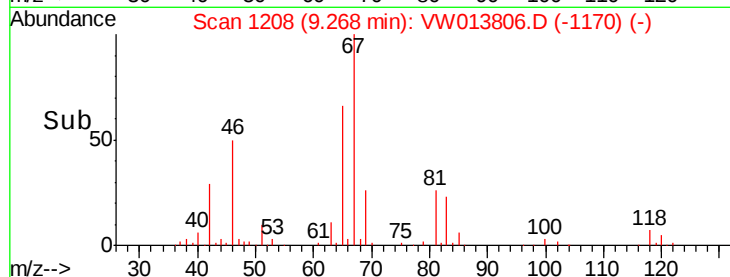
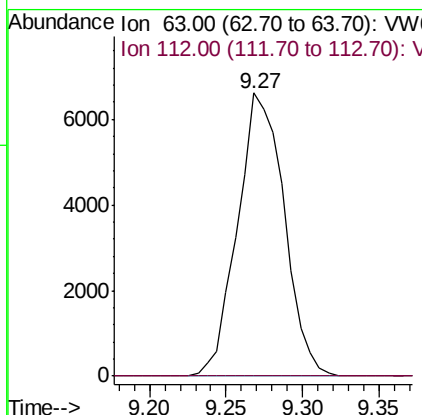
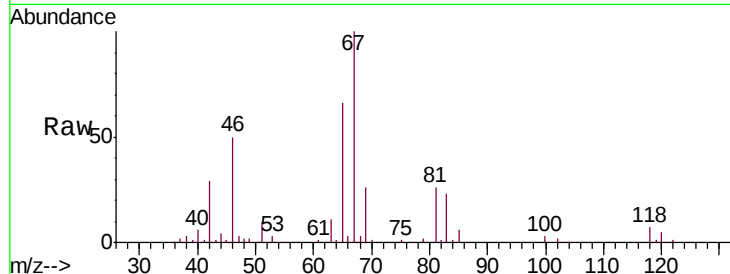




#40
 1,2-Dichloropropane
 Concen: 2.548 ug/L
 RT: 9.27 min Scan# 1208
 Delta R.T. -0.10 min
 Lab File: VW013806.D
 Acq: 29 Oct 2019 21:43

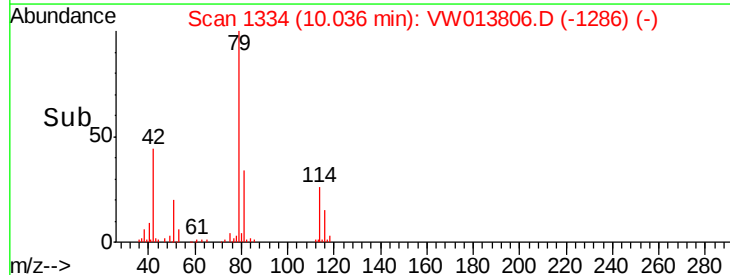
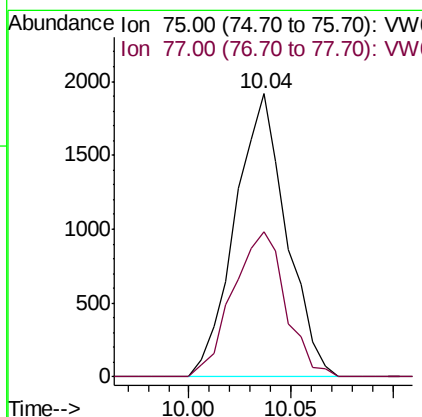
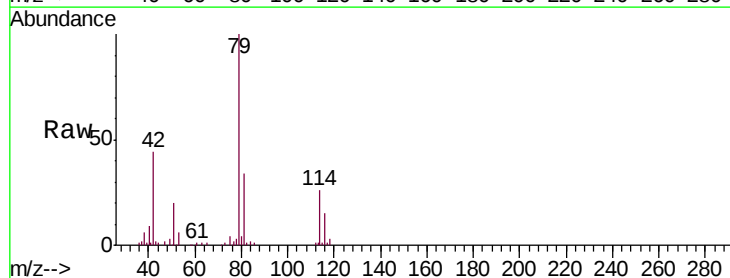
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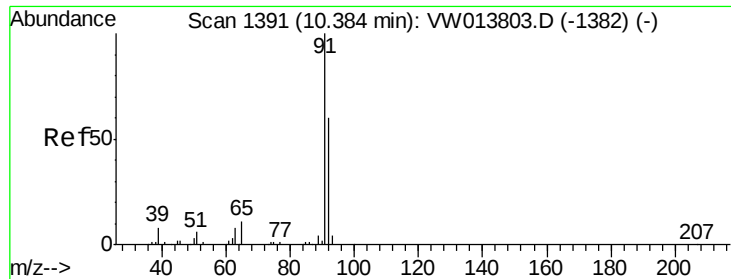
Tgt Ion: 63 Resp: 14021
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.9 5.9#



#42
 cis-1,3-Dichloropropene
 Concen: 0.386 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW013806.D
 Acq: 29 Oct 2019 21:43

Tgt Ion: 75 Resp: 3351
 Ion Ratio Lower Upper
 75 100
 77 51.4 22.5 41.9#





#44

Toluene

Concen: 23.462 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013806.D

Acq: 29 Oct 2019 21:43

Instrument :

MSVOA_W

ClientSampleId :

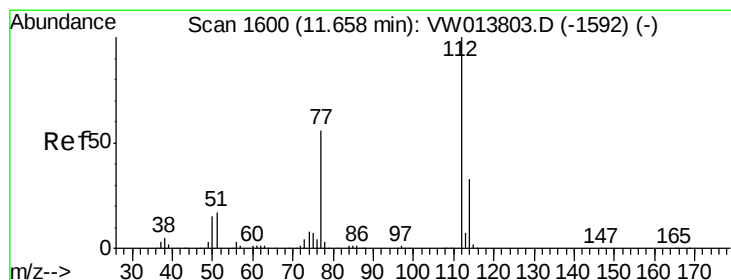
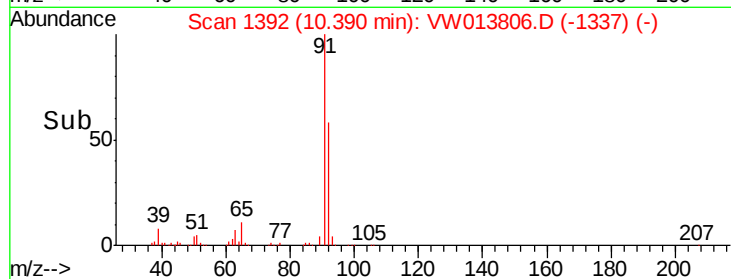
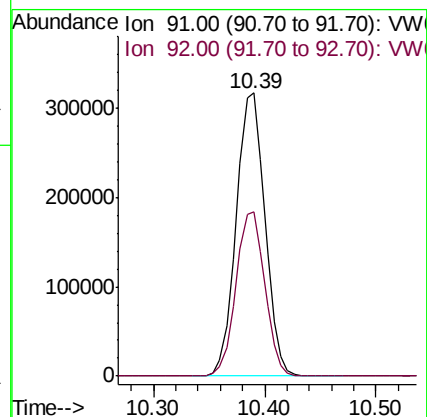
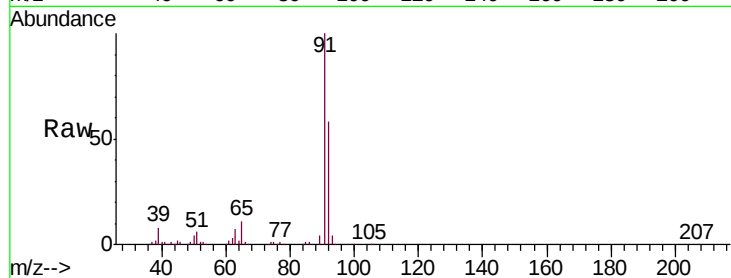
GAQ73MS

Tgt Ion: 91 Resp: 567295

Ion Ratio Lower Upper

91 100

92 58.1 42.0 78.0



#52

Chlorobenzene

Concen: 23.331 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013806.D

Acq: 29 Oct 2019 21:43

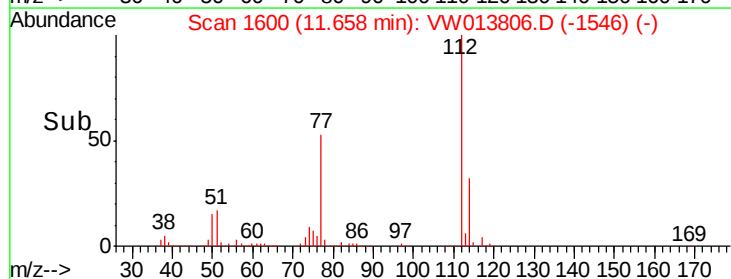
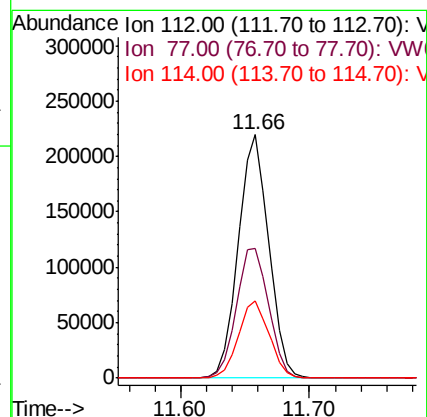
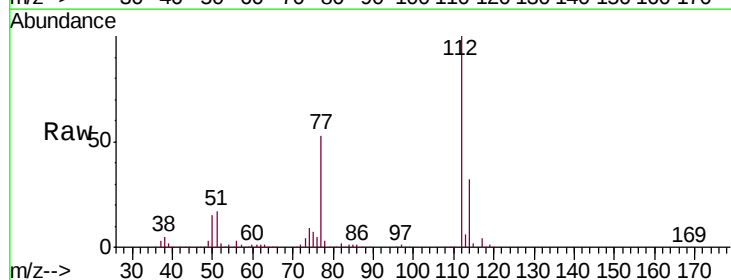
Tgt Ion: 112 Resp: 360932

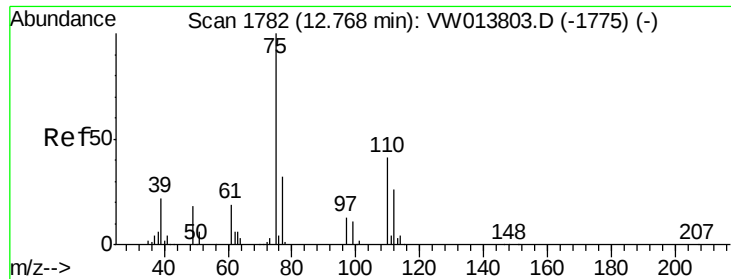
Ion Ratio Lower Upper

112 100

77 53.4 44.1 66.1

114 31.5 23.4 43.4





#59

1,2,3-Trichloropropane

Concen: 4.496 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW013806.D

Acq: 29 Oct 2019 21:43

Instrument :

MSVOA_W

ClientSampleId :

GAQ73MS

Tgt Ion: 75 Resp: 16677

Ion Ratio Lower Upper

75 100

77 37.2 26.4 39.6

