

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062920\
 Data File : VW015768.D
 Acq On : 29 Jun 2020 17:57
 Operator : SY/VA
 Sample : L3131-07RE
 Misc : 5.12G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2M1

Quant Time: Jun 30 03:06:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 30 03:03:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	375907	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	336586	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	146419	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	129580	21.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.92%
7) Chloroethane-d5	2.89	69	104809	21.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.12%
10) 1,1-Dichloroethene-d2	4.01	63	174092	16.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.24%
20) 2-Butanone-d5	7.09	46	41772	32.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.88%
24) Chloroform-d	7.65	84	213696	20.39	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.56%
26) 1,2-Dichloroethane-d4	8.31	65	113789	19.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.36%
29) Benzene-d6	8.27	84	430549	21.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.80%
33) 1,2-Dichloropropane-d6	9.27	67	123732	20.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.28%
37) Toluene-d8	10.32	98	394197	21.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.44%
38) trans-1,3-Dichloropropene-	10.58	79	47593	18.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	72.32%
39) 2-Hexanone-d5	10.93	63	30144	31.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	75037	16.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	65.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	119646	21.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.28%

Target Compounds

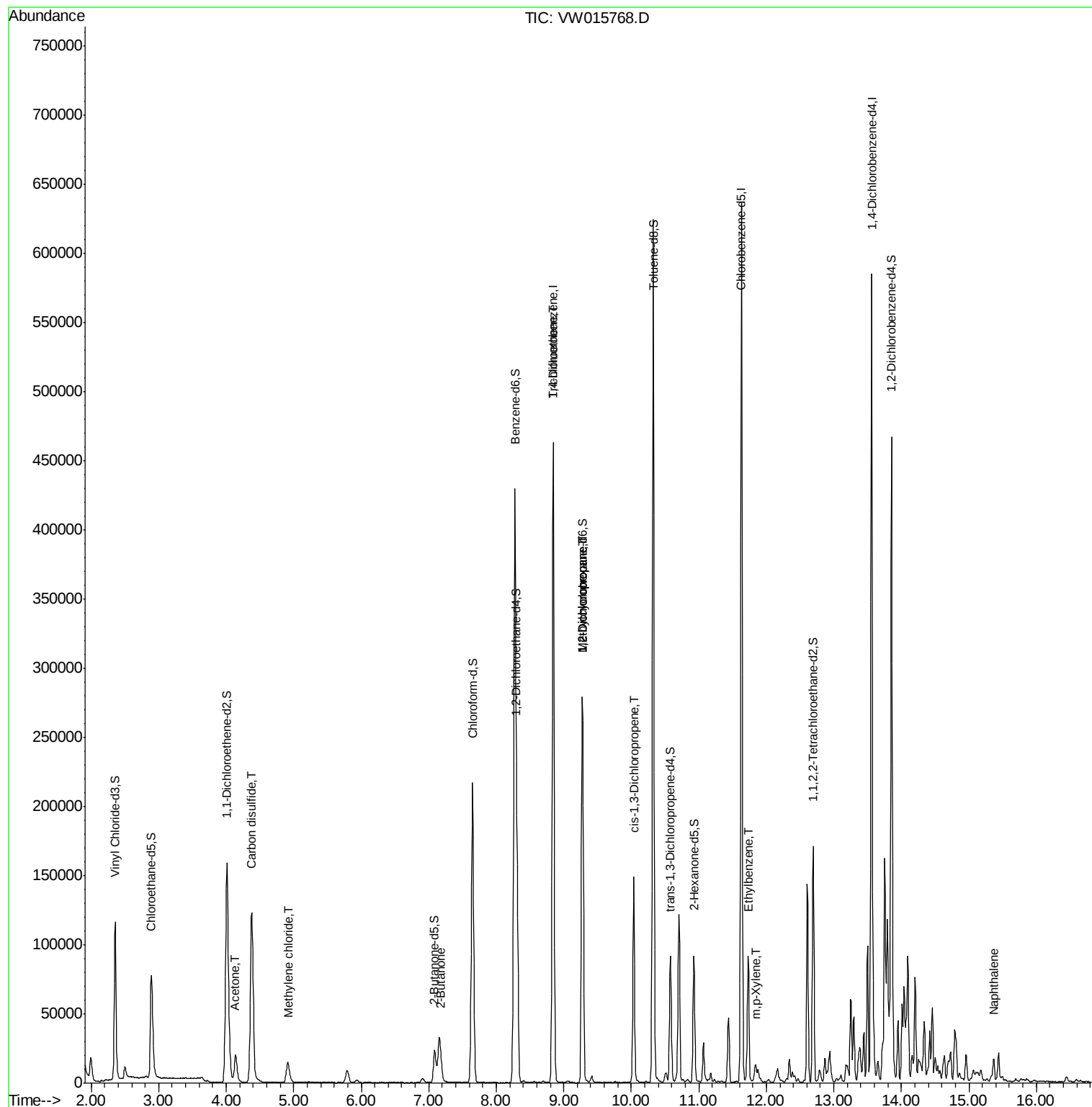
					Ovalue
13) Acetone	4.14	43	36281	33.619	ug/L 98
14) Carbon disulfide	4.38	76	267861	19.729	ug/L 100
16) Methylene chloride	4.92	84	11983	2.173	ug/L 93
21) 2-Butanone	7.18	43	14564	10.916	ug/L 91
35) Trichloroethene	8.84	95	11697	2.373	ug/L # 5
36) Methylcyclohexane	9.27	83	30770	3.619	ug/L # 18
40) 1,2-Dichloropropane	9.27	63	14972	3.328	ug/L # 85
42) cis-1,3-Dichloropropene	10.04	75	3903	0.556	ug/L 86
53) Ethylbenzene	11.73	91	59516	2.621	ug/L 97
54) m,p-Xylene	11.84	106	3946	0.465	ug/L 96
69) Naphthalene	15.37	128	13564	1.543	ug/L 99

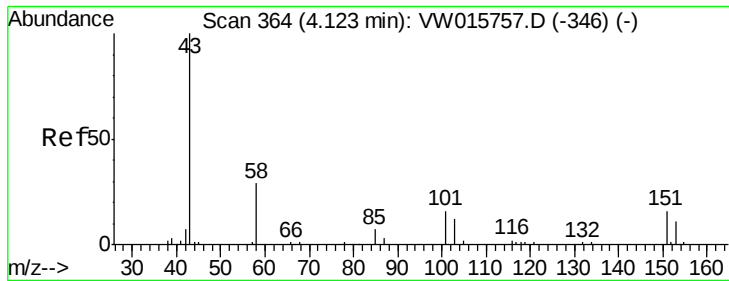
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Jun 30 03:03:23 2020
Response via : Initial Calibration





#13

Acetone

Concen: 33.619 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015768.D

Acq: 29 Jun 2020 17:57

Instrument :

MSVOA_W

ClientSampleId :

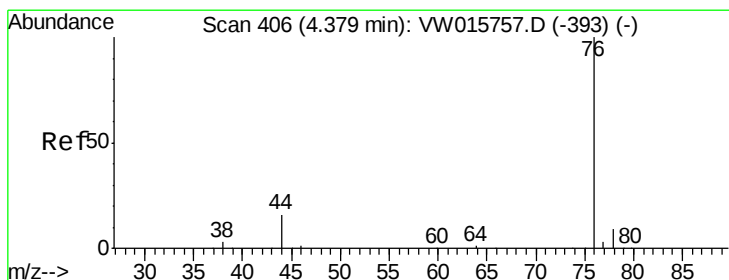
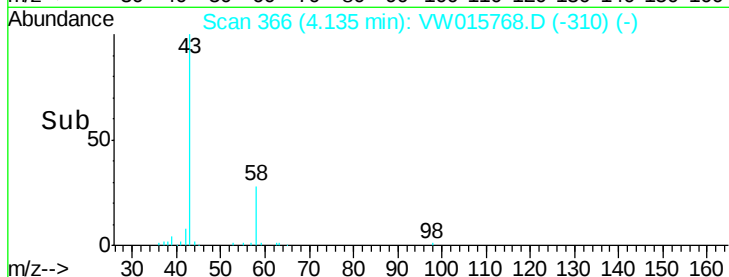
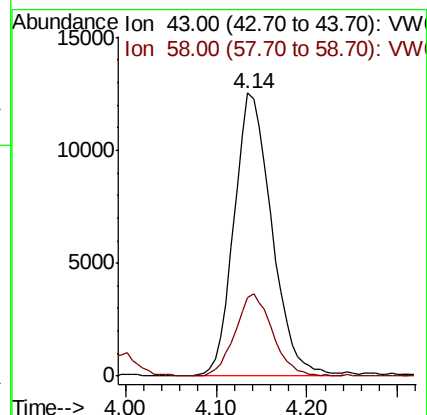
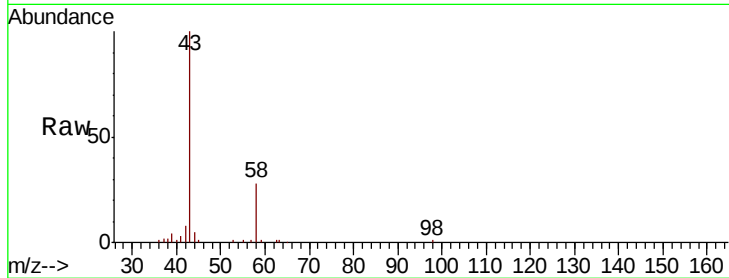
BG2M1

Tot Ion: 43 Resp: 36281

Ion Ratio Lower Upper

43 100

58 28.7 0.0 59.4



#14

Carbon disulfide

Concen: 19.729 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015768.D

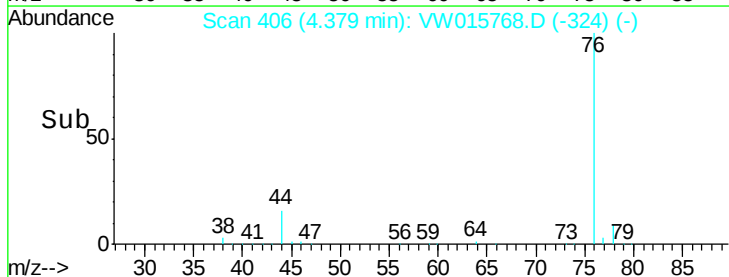
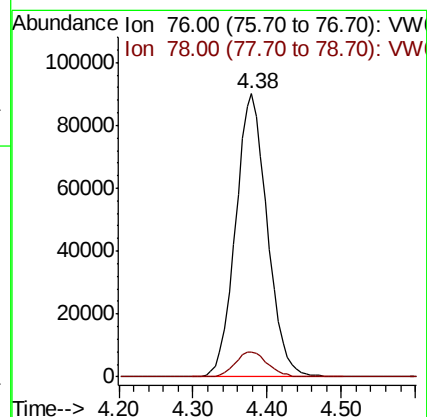
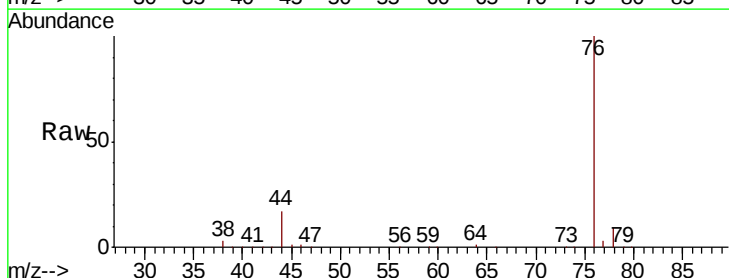
Acq: 29 Jun 2020 17:57

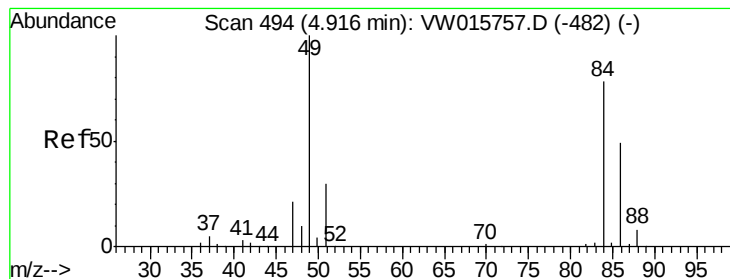
Tgt Ion: 76 Resp: 267861

Ion Ratio Lower Upper

76 100

78 8.7 6.9 10.3





#16

Methylene chloride

Concen: 2.173 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW015768.D

Acq: 29 Jun 2020 17:57

Instrument :

MSVOA_W

ClientSampleId :

BG2M1

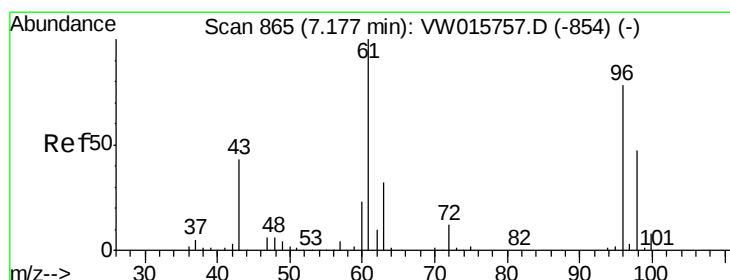
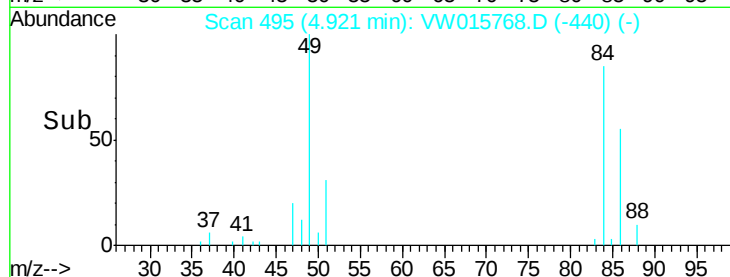
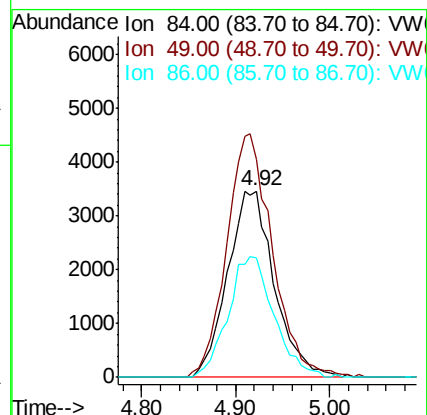
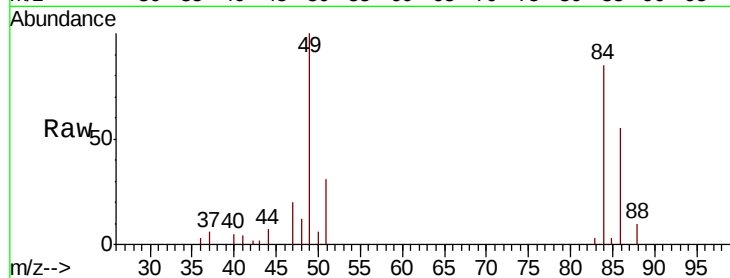
Tot Ion: 84 Resp: 11983

Ion Ratio Lower Upper

84 100

49 117.0 90.0 167.2

86 63.9 44.0 81.8



#21

2-Butanone

Concen: 10.916 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW015768.D

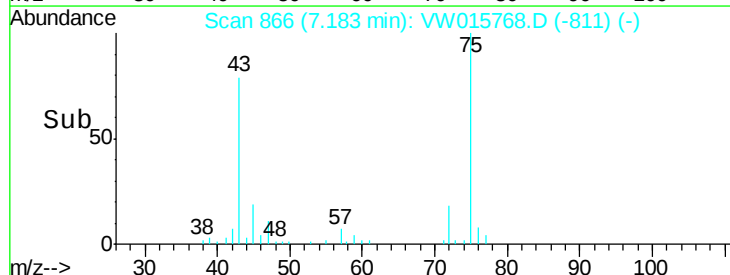
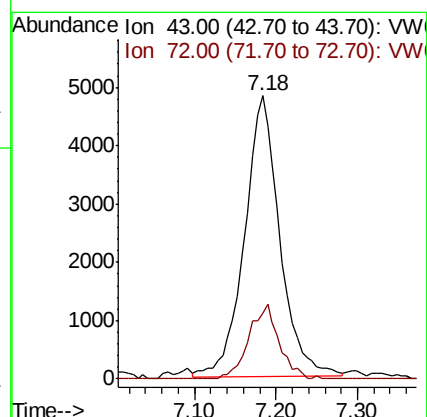
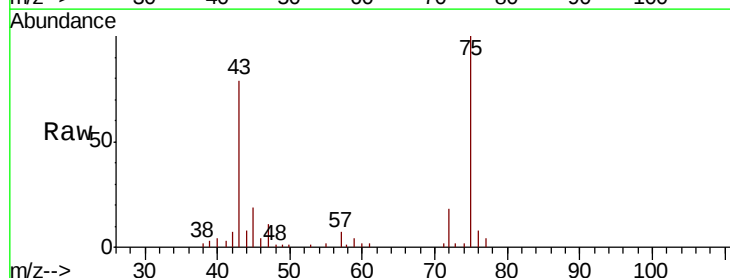
Acq: 29 Jun 2020 17:57

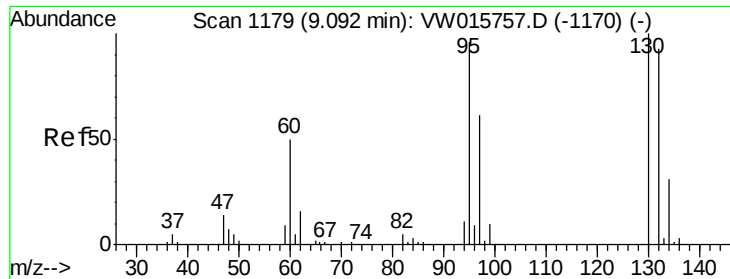
Tgt Ion: 43 Resp: 14564

Ion Ratio Lower Upper

43 100

72 22.5 13.7 41.1





#35

Trichloroethene

Concen: 2.373 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW015768.D

Acq: 29 Jun 2020 17:57

Instrument :

MSVOA_W

ClientSampleId :

BG2M1

Tot Ion: 95 Resp: 11697

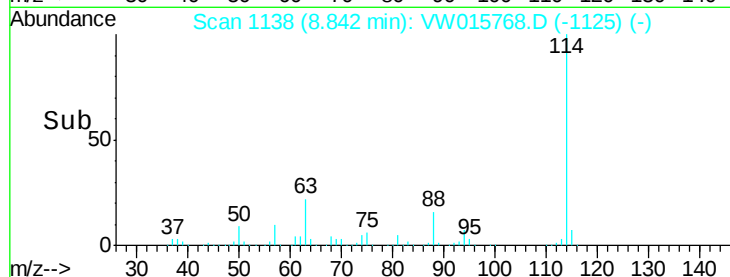
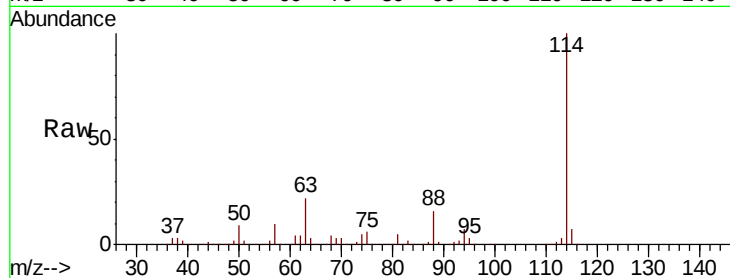
Ion Ratio Lower Upper

95 100

97 0.0 44.9 83.3#

132 0.0 67.8 126.0#

130 0.0 70.1 130.1#

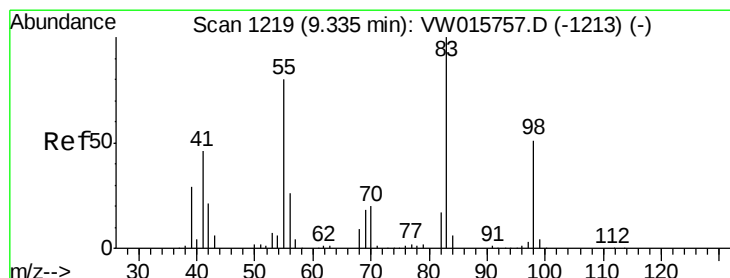
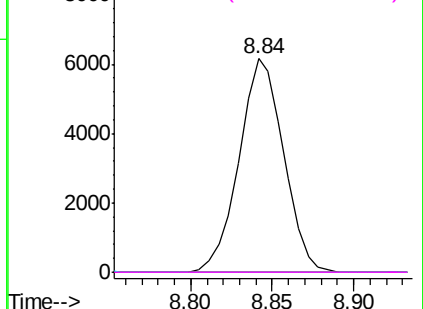


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 3.619 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW015768.D

Acq: 29 Jun 2020 17:57

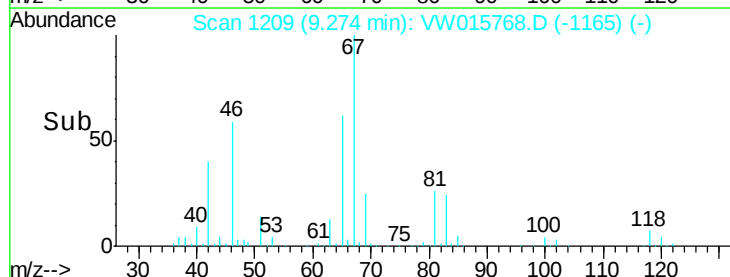
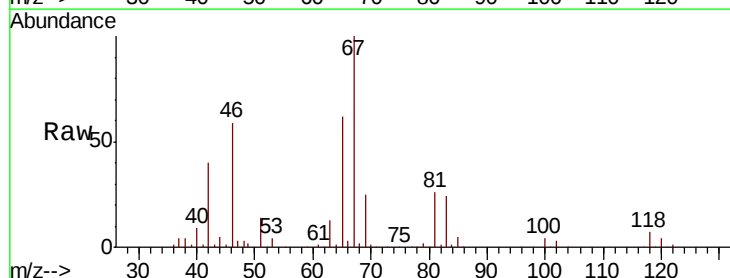
Tgt Ion: 83 Resp: 30770

Ion Ratio Lower Upper

83 100

55 0.4 62.7 94.1#

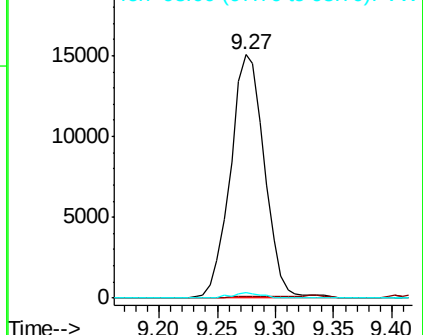
98 1.8 39.4 59.2#

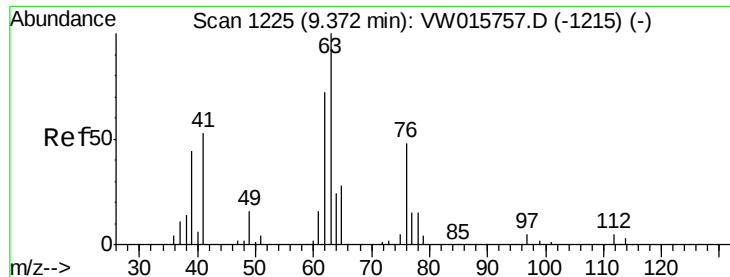


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 3.328 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW015768.D

Acq: 29 Jun 2020 17:57

Instrument :

MSVOA_W

ClientSampleId :

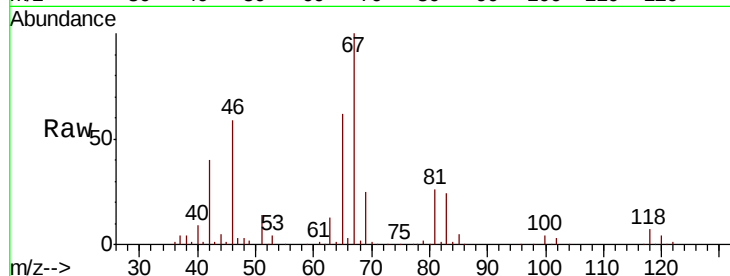
BG2M1

Tot Ion: 63 Resp: 14972

Ion Ratio Lower Upper

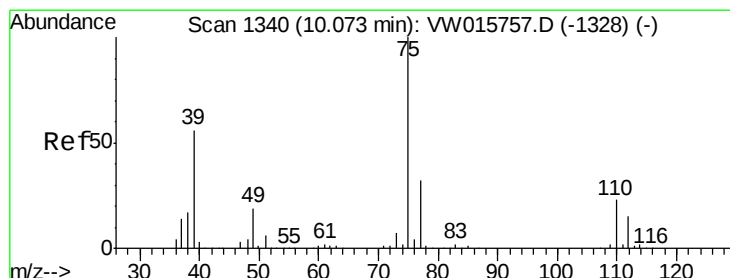
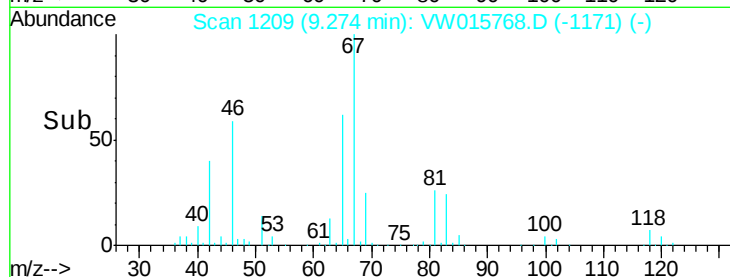
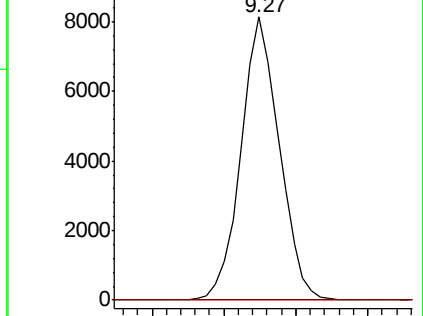
63 100

112 0.0 4.0 6.0#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.556 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW015768.D

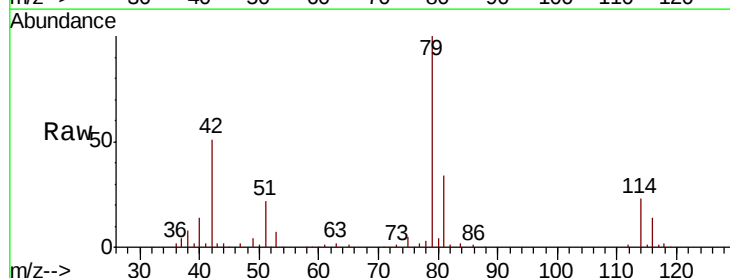
Acq: 29 Jun 2020 17:57

Tgt Ion: 75 Resp: 3903

Ion Ratio Lower Upper

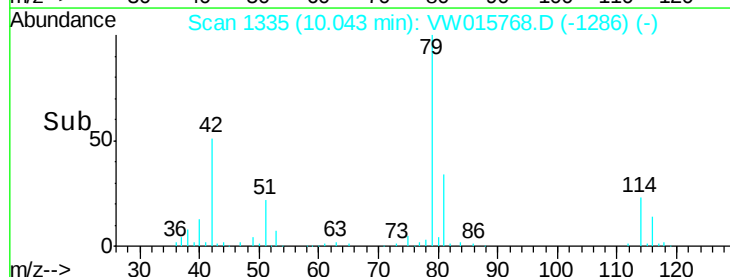
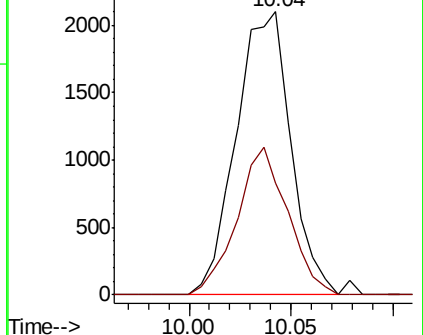
75 100

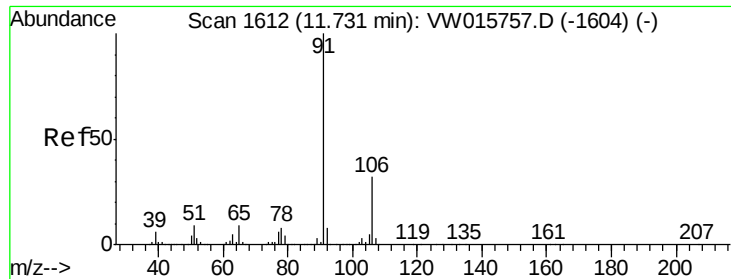
77 39.6 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

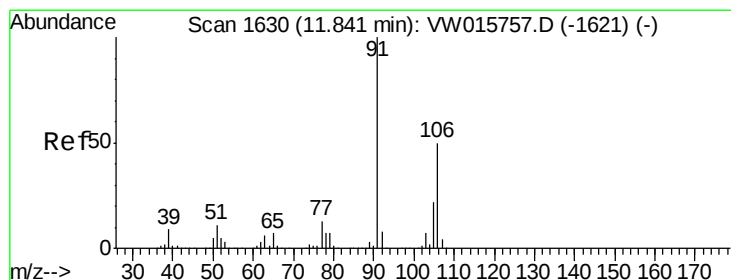
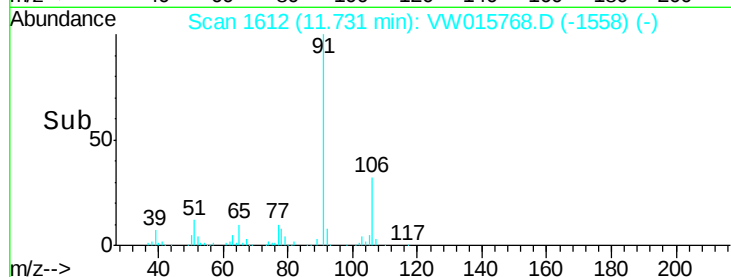
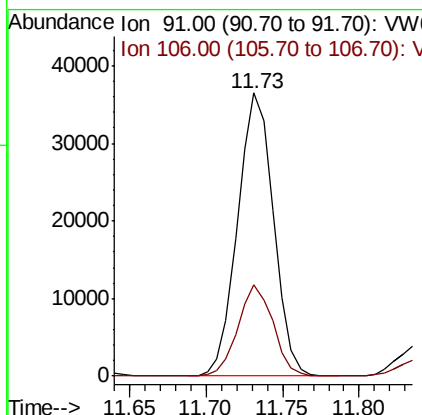
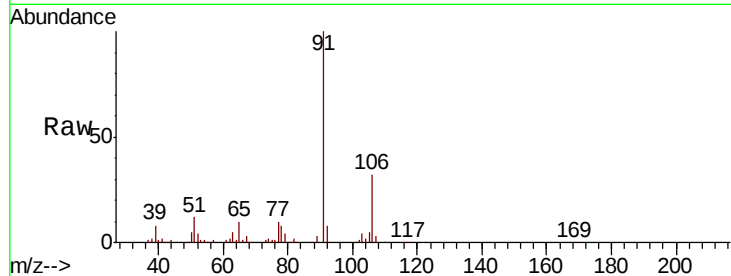




#53
Ethylbenzene
Concen: 2.621 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015768.D
Acq: 29 Jun 2020 17:57

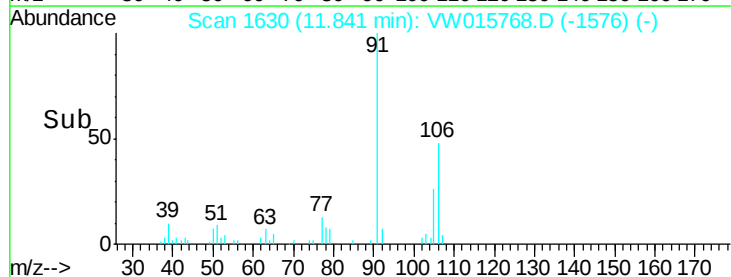
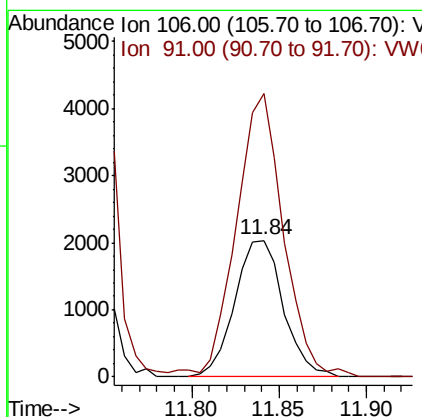
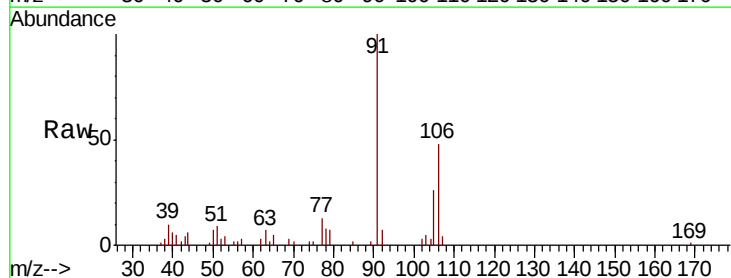
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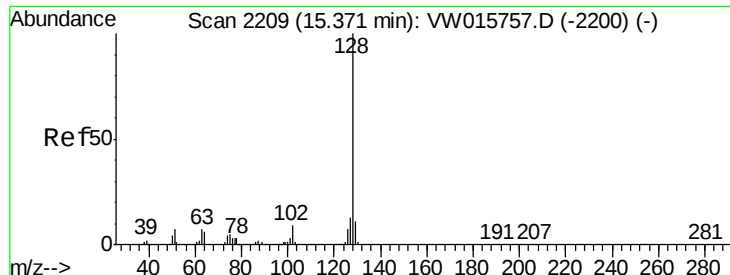
Tot Ion: 91 Resp: 59516
Ion Ratio Lower Upper
91 100
106 32.1 21.4 39.8



#54
m,p-Xylene
Concen: 0.465 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015768.D
Acq: 29 Jun 2020 17:57

Tgt Ion: 106 Resp: 3946
Ion Ratio Lower Upper
106 100
91 207.8 141.5 262.9





#69

Naphthalene

Concen: 1.543 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015768.D

Acq: 29 Jun 2020 17:57

Instrument :

MSVOA_W

ClientSampleId :

BG2M1

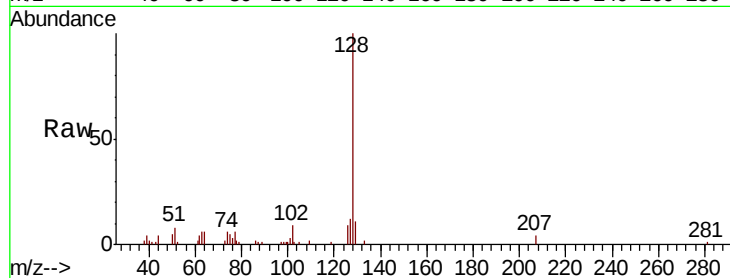
Tot Ion:128 Resp: 13564

Ion Ratio Lower Upper

128 100

129 11.8 8.9 13.3

127 13.7 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

