

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110920\
 Data File : VW017123.D
 Acq On : 09 Nov 2020 18:16
 Operator : SY/VA
 Sample : L4673-05MS
 Misc : 6.73G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB0S5MS

Quant Time: Nov 10 08:39:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 10 07:51:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	497141	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	459331	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	218992	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	140544	22.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.76%
7) Chloroethane-d5	2.89	69	114830	23.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.20%
10) 1,1-Dichloroethene-d2	4.03	63	257667	23.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.04%
20) 2-Butanone-d5	7.09	46	57260	40.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.78%
24) Chloroform-d	7.65	84	270802	23.33	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.32%
26) 1,2-Dichloroethane-d4	8.31	65	139002	24.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.36%
29) Benzene-d6	8.28	84	546904	23.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.52%
33) 1,2-Dichloropropane-d6	9.28	67	155957	24.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.40%
37) Toluene-d8	10.33	98	517569	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.88%
38) trans-1,3-Dichloropropene-	10.58	79	66105	22.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.64%
39) 2-Hexanone-d5	10.93	63	48809	43.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	127332	22.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	183018	23.72	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.88%

Target Compounds

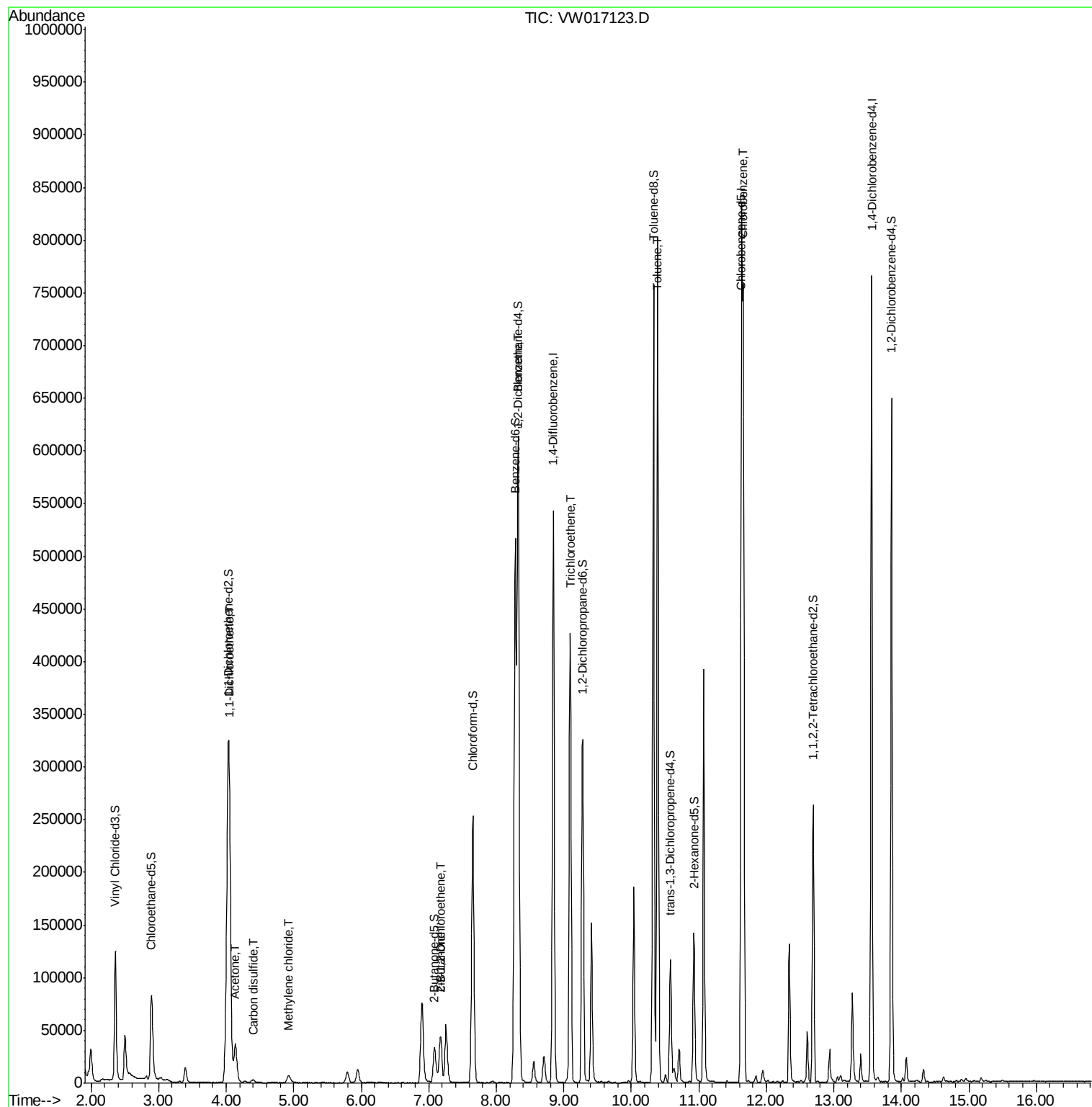
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.05	96	132361	21.452	ug/L	93
13) Acetone	4.13	43	65210	69.550	ug/L	93
14) Carbon disulfide	4.40	76	6123	0.365	ug/L	96
16) Methylene chloride	4.92	84	5979	0.892	ug/L	86
21) 2-Butanone	7.18	43	13631	9.054	ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	22617	3.349	ug/L	99
34) Benzene	8.33	78	550833	22.838	ug/L	100
35) Trichloroethene	9.10	95	149411	22.114	ug/L	100
44) Toluene	10.39	91	603402	22.728	ug/L	98
52) Chlorobenzene	11.66	112	391406	21.798	ug/L	99

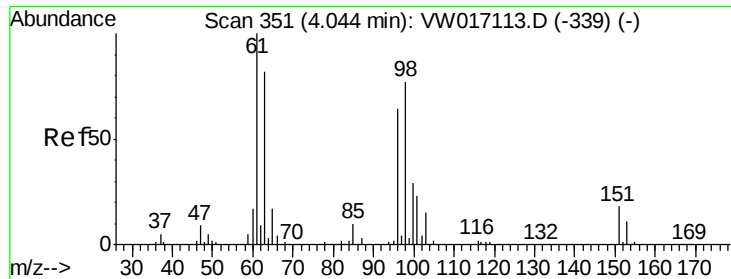
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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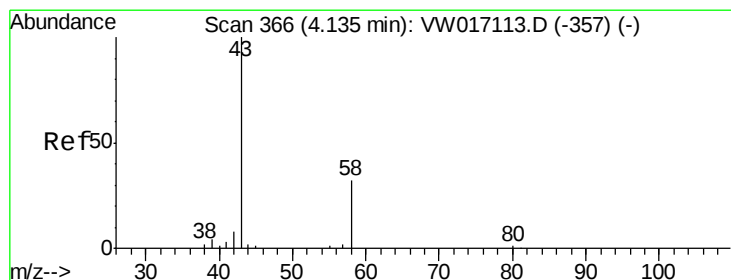
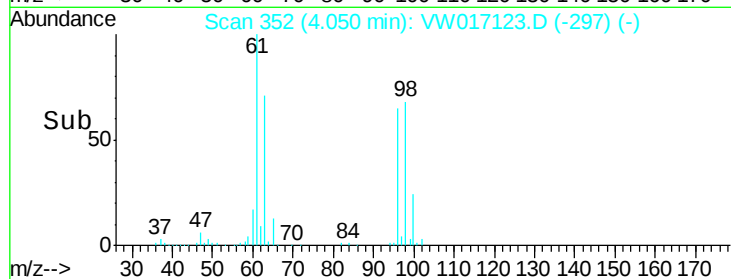
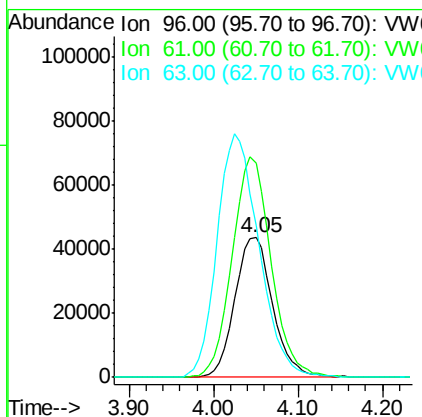
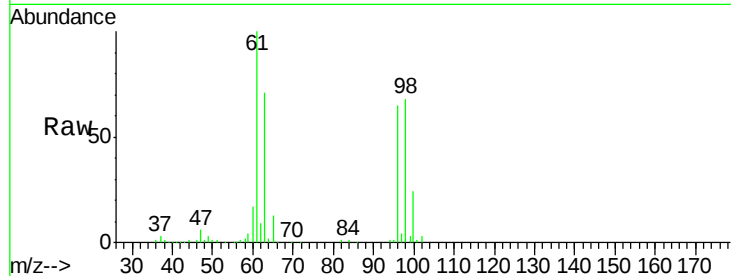




#12
 1,1-Dichloroethene
 Concen: 21.452 ug/L
 RT: 4.05 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VW017123.D
 Acq: 09 Nov 2020 18:16

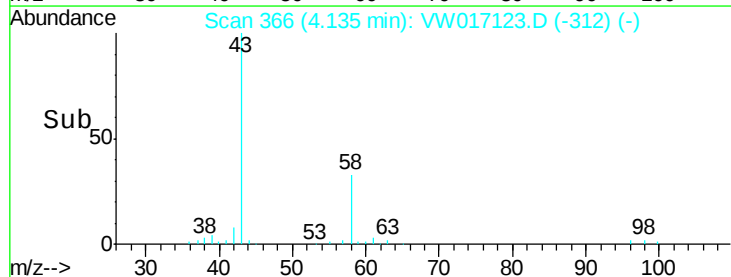
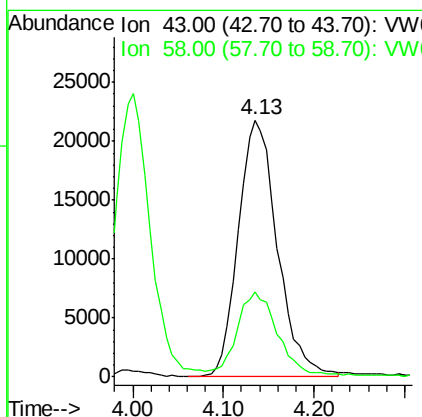
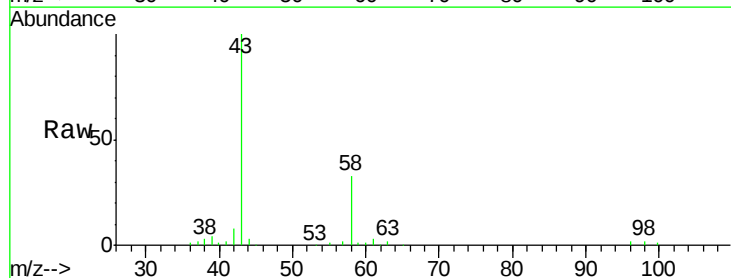
Instrument :
 MSVOA_W
 ClientSampleId :
 GB0S5MS

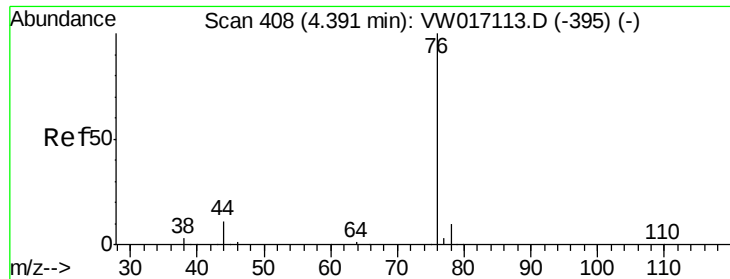
Tot Ion: 96 Resp: 132361
 Ion Ratio Lower Upper
 96 100
 61 153.3 103.8 192.8
 63 108.3 84.4 156.7



#13
 Acetone
 Concen: 69.550 ug/L
 RT: 4.13 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VW017123.D
 Acq: 09 Nov 2020 18:16

Tgt Ion: 43 Resp: 65210
 Ion Ratio Lower Upper
 43 100
 58 30.5 0.0 69.2





#14

Carbon disulfide

Concen: 0.365 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017123.D

Acq: 09 Nov 2020 18:16

Instrument :

MSVOA_W

ClientSampleId :

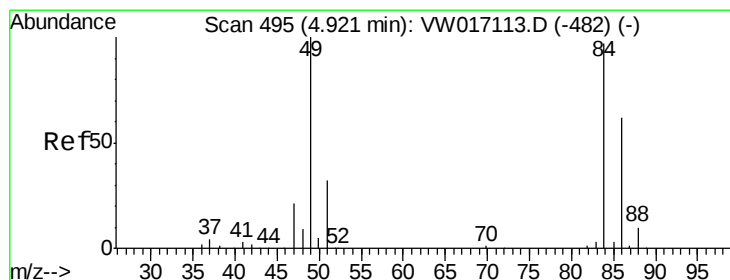
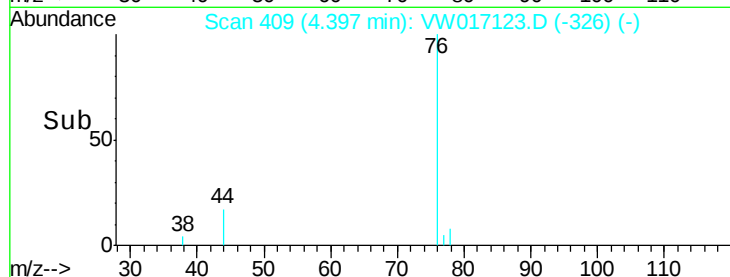
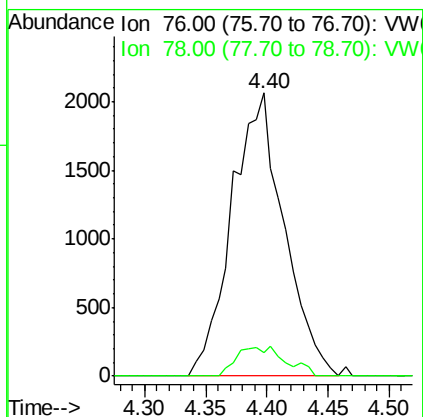
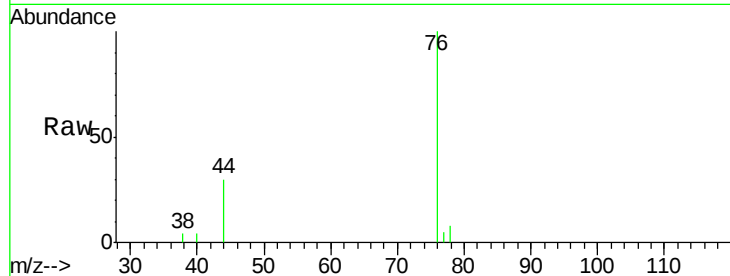
GB0S5MS

Tot Ion: 76 Resp: 6123

Ion Ratio Lower Upper

76 100

78 8.1 7.6 11.4



#16

Methylene chloride

Concen: 0.892 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017123.D

Acq: 09 Nov 2020 18:16

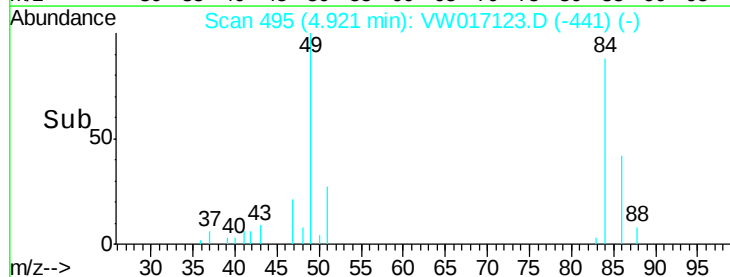
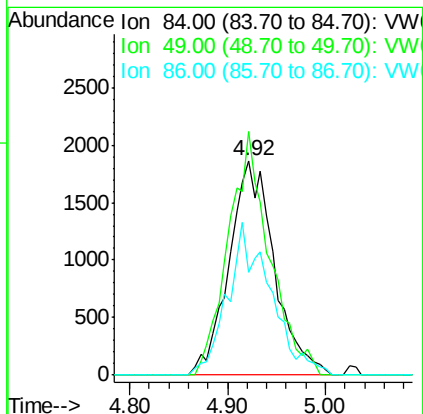
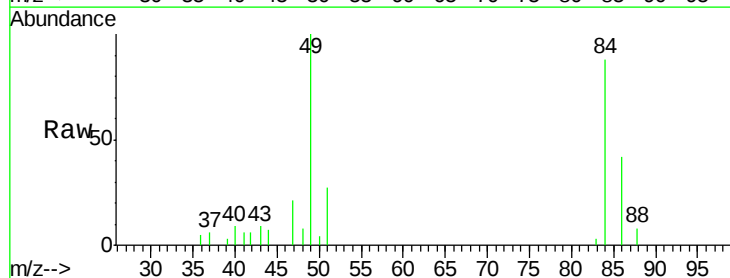
Tgt Ion: 84 Resp: 5979

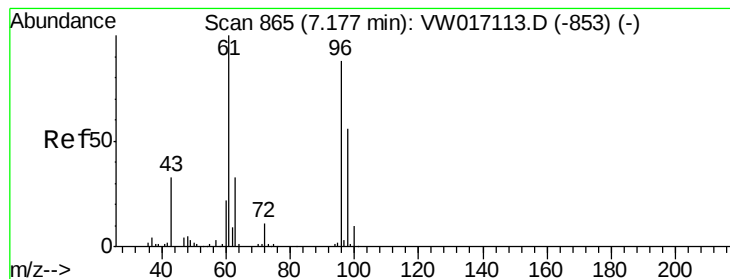
Ion Ratio Lower Upper

84 100

49 113.4 72.3 134.3

86 47.9 45.1 83.7





#21

2-Butanone

Concen: 9.054 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW017123.D

Acq: 09 Nov 2020 18:16

Instrument :

MSVOA_W

ClientSampled :

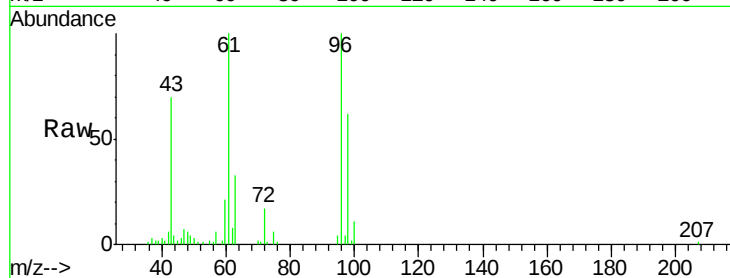
GB0S5MS

Tot Ion: 43 Resp: 13631

Ion Ratio Lower Upper

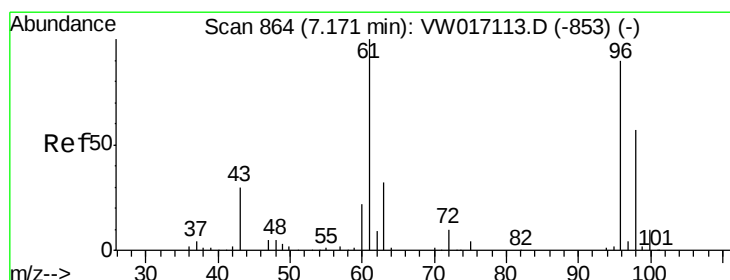
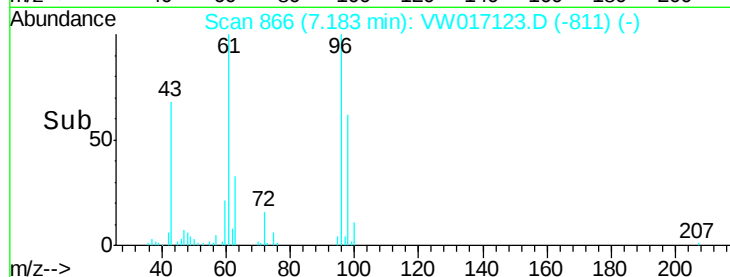
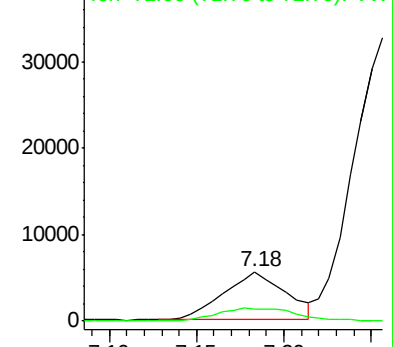
43 100

72 35.5 16.1 48.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#22

cis-1,2-Dichloroethene

Concen: 3.349 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017123.D

Acq: 09 Nov 2020 18:16

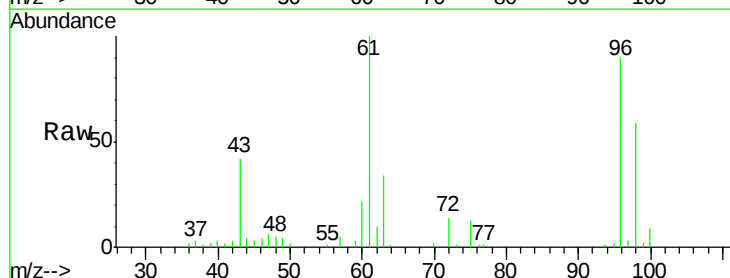
Tgt Ion: 96 Resp: 22617

Ion Ratio Lower Upper

96 100

61 111.2 77.4 143.8

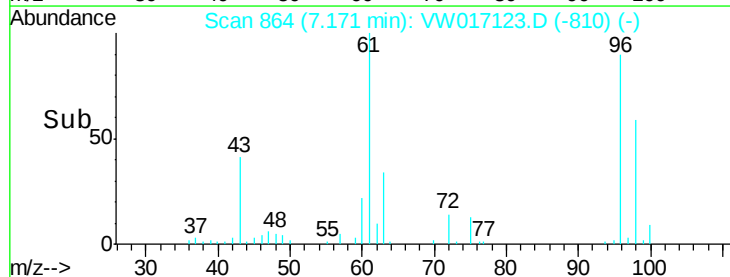
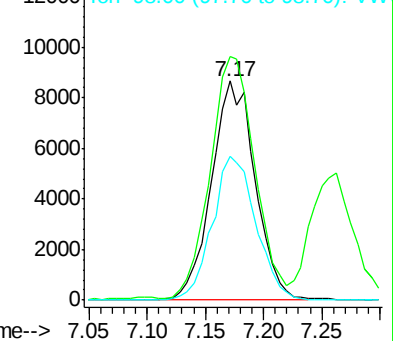
98 65.5 45.1 83.7

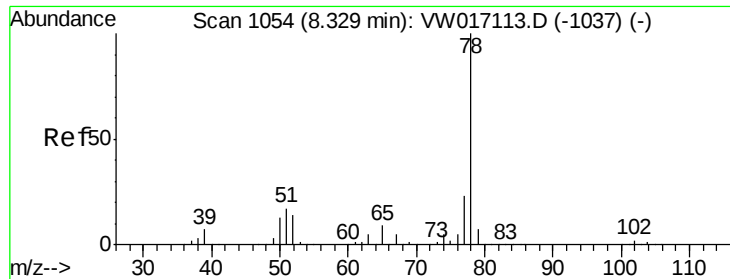


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#34

Benzene

Concen: 22.838 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW017123.D

Acq: 09 Nov 2020 18:16

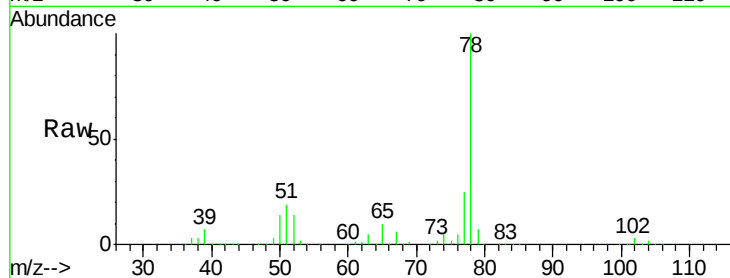
Instrument :

MSVOA_W

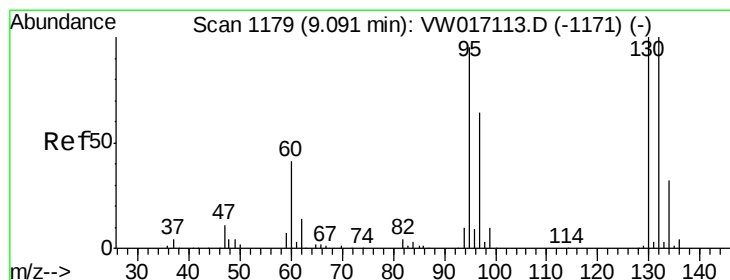
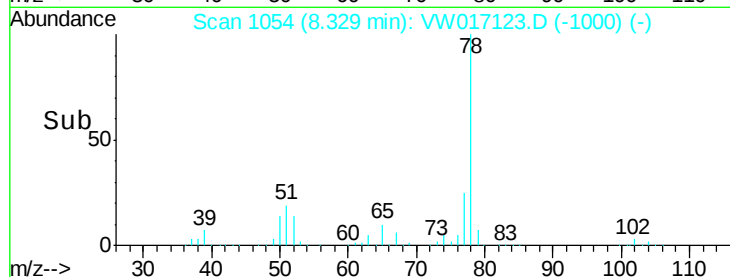
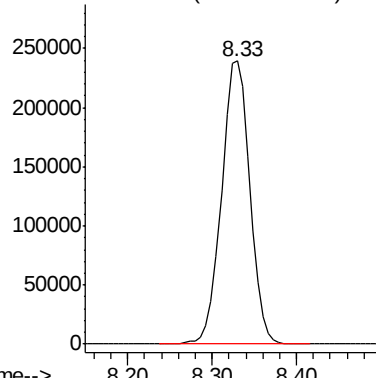
ClientSampleId :

GB0S5MS

Tgt Ion: 78 Resp: 550833



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 22.114 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017123.D

Acq: 09 Nov 2020 18:16

Tgt Ion: 95 Resp: 149411

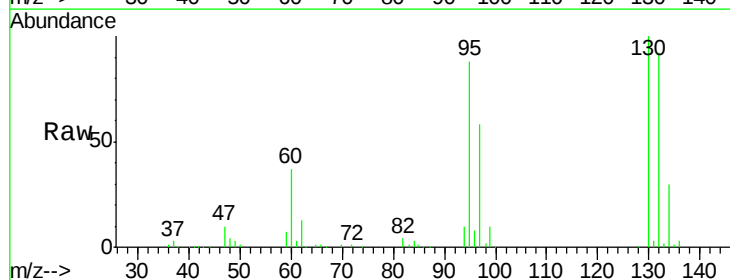
Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.0	83.6
132	104.9	73.7	136.9
130	110.4	77.1	143.1

95 100

97 64.9 45.0 83.6

132 104.9 73.7 136.9

130 110.4 77.1 143.1

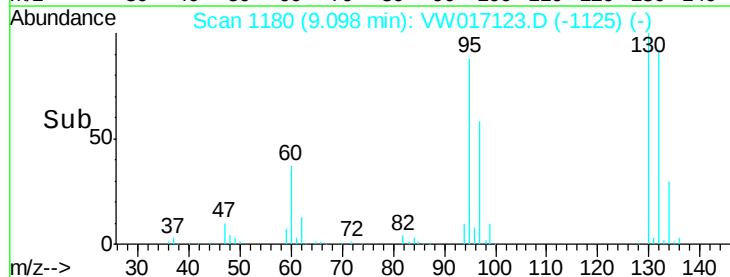
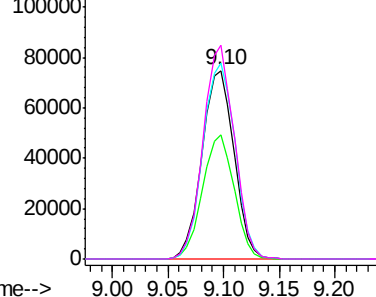


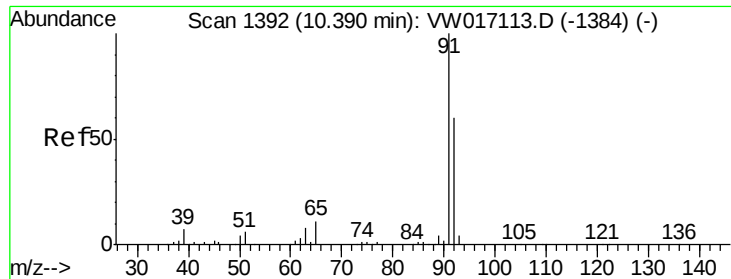
Abundance Ion 95.00 (94.70 to 95.70): VW

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





#44

Toluene

Concen: 22.728 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017123.D

Acq: 09 Nov 2020 18:16

Instrument :

MSVOA_W

ClientSampleId :

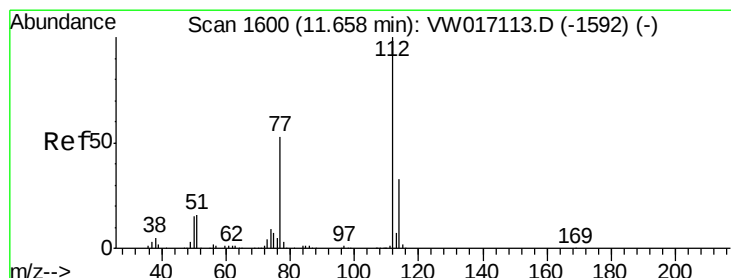
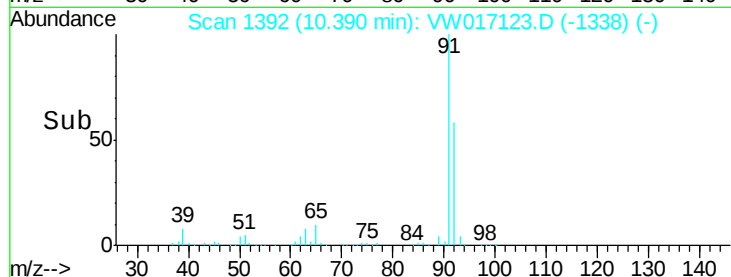
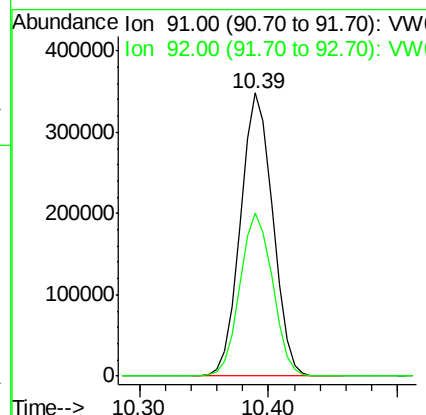
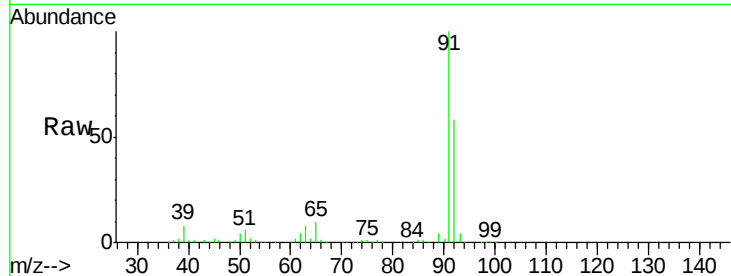
GB0S5MS

Tot Ion: 91 Resp: 603402

Ion Ratio Lower Upper

91 100

92 57.6 41.4 76.8



#52

Chlorobenzene

Concen: 21.798 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW017123.D

Acq: 09 Nov 2020 18:16

Tgt Ion: 112 Resp: 391406

Ion Ratio Lower Upper

112 100

77 53.2 41.7 62.5

114 32.6 22.3 41.3

