

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110920\
 Data File : VW017124.D
 Acq On : 09 Nov 2020 18:39
 Operator : SY/VA
 Sample : L4673-06MSD
 Misc : 6.37G/10ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB0S5MSD

Quant Time: Nov 10 08:00:50 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	497477	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	466760	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	230067	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	136011	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.84%
7) Chloroethane-d5	2.89	69	111994	23.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.76%
10) 1,1-Dichloroethene-d2	4.03	63	257466	22.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.88%
20) 2-Butanone-d5	7.09	46	61427	43.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.68%
24) Chloroform-d	7.65	84	271433	23.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.48%
26) 1,2-Dichloroethane-d4	8.31	65	142216	24.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.52%
29) Benzene-d6	8.28	84	547004	23.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.04%
33) 1,2-Dichloropropane-d6	9.27	67	153204	23.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.20%
37) Toluene-d8	10.33	98	509777	22.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.00%
38) trans-1,3-Dichloropropene-	10.58	79	67320	22.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.84%
39) 2-Hexanone-d5	10.93	63	52915	46.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	133906	23.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.52%
61) 1,2-Dichlorobenzene-d4	13.86	152	185446	22.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.52%

Target Compounds

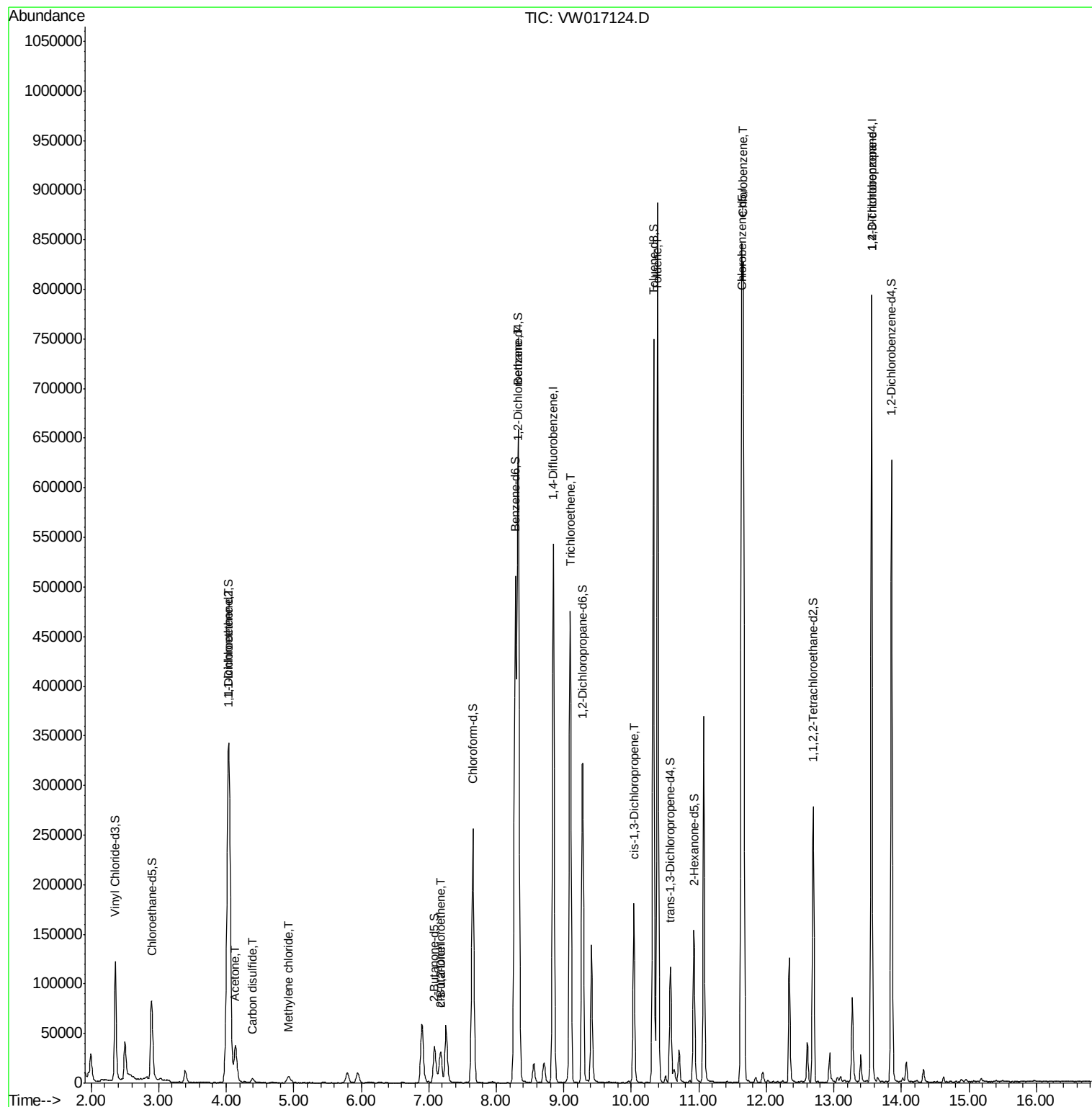
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	143771	23.285	ug/L	96
13) Acetone	4.14	43	65831	70.165	ug/L	99
14) Carbon disulfide	4.38	76	9687	0.576	ug/L	97
16) Methylene chloride	4.92	84	5577	0.832	ug/L	96
21) 2-Butanone	7.18	43	14712	9.766	ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	12988	1.922	ug/L	99
34) Benzene	8.33	78	598457	24.417	ug/L	100
35) Trichloroethene	9.10	95	164044	23.893	ug/L	99
42) cis-1,3-Dichloropropene	10.04	75	4805	0.529	ug/L #	67
44) Toluene	10.39	91	664568	24.634	ug/L	99
52) Chlorobenzene	11.66	112	439274	24.074	ug/L	97
59) 1,2,3-Trichloropropane	13.56	75	23770	5.795	ug/L	93

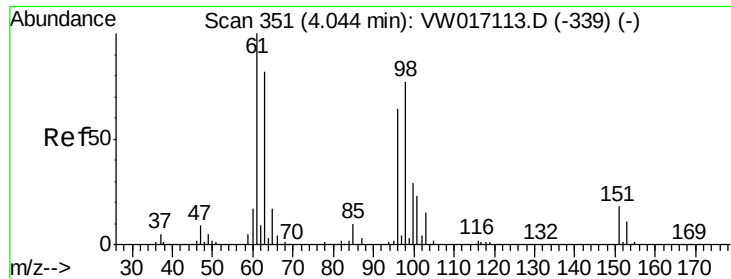
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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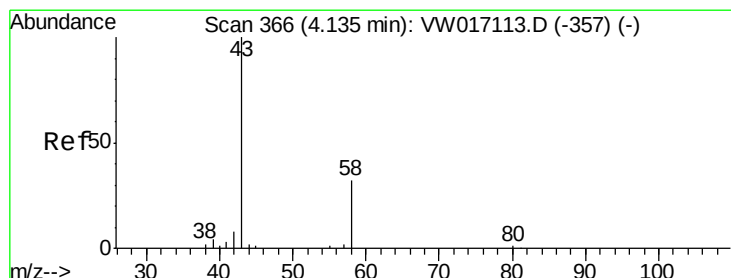
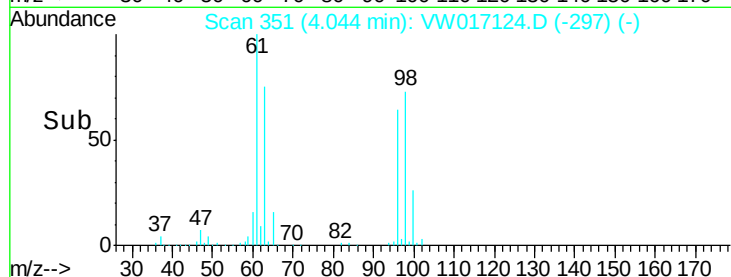
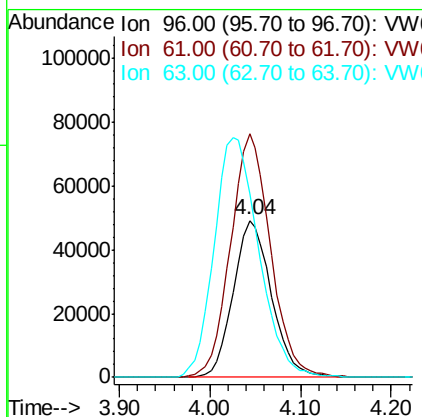
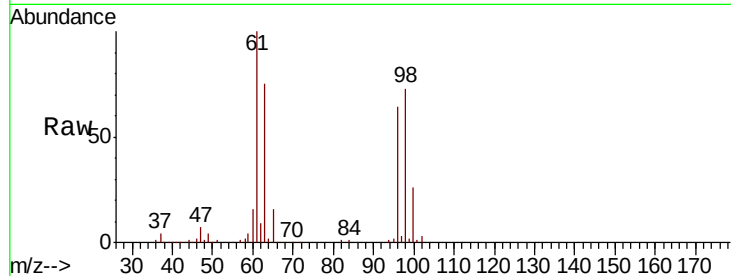




#12
 1,1-Dichloroethene
 Concen: 23.285 ug/L
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW017124.D
 Acq: 09 Nov 2020 18:39

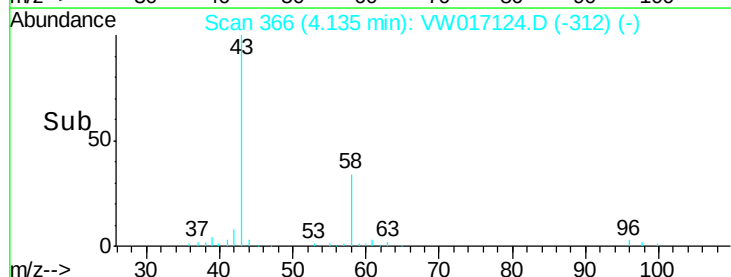
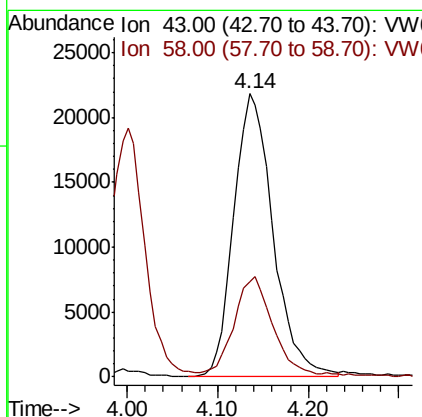
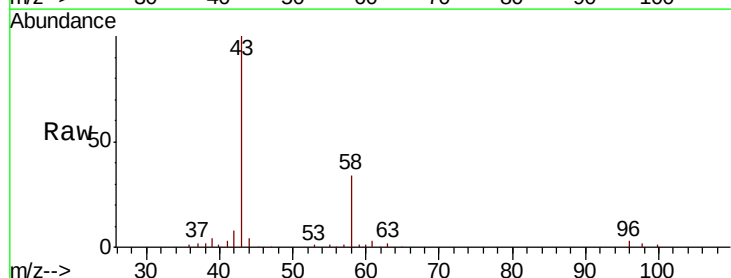
Instrument :
 MSVOA_W
 ClientSampleId :
 GB0S5MSD

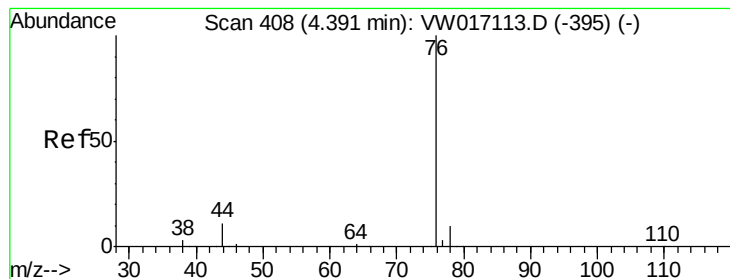
Tot Ion	Ratio	Lower	Upper
96	100		
61	155.5	103.8	192.8
63	117.2	84.4	156.7



#13
 Acetone
 Concen: 70.165 ug/L
 RT: 4.14 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VW017124.D
 Acq: 09 Nov 2020 18:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.3	0.0	69.2





#14

Carbon disulfide

Concen: 0.576 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017124.D

Acq: 09 Nov 2020 18:39

Instrument :

MSVOA_W

ClientSampleId :

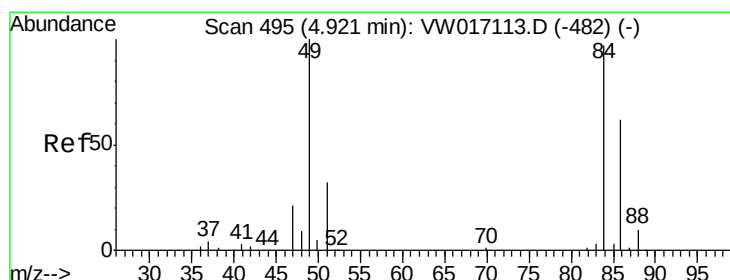
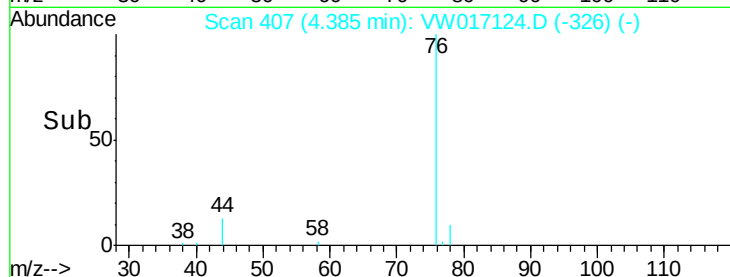
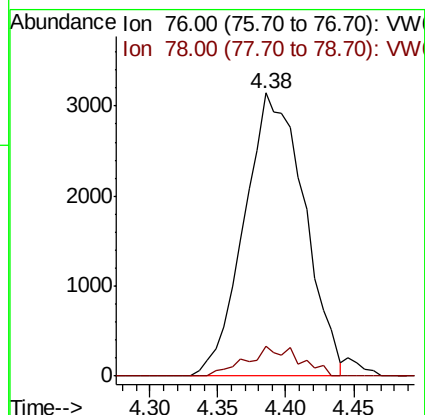
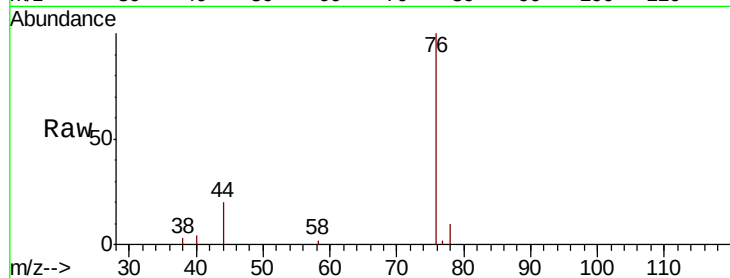
GB0S5MSD

Tot Ion: 76 Resp: 9687

Ion Ratio Lower Upper

76 100

78 10.5 7.6 11.4



#16

Methylene chloride

Concen: 0.832 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017124.D

Acq: 09 Nov 2020 18:39

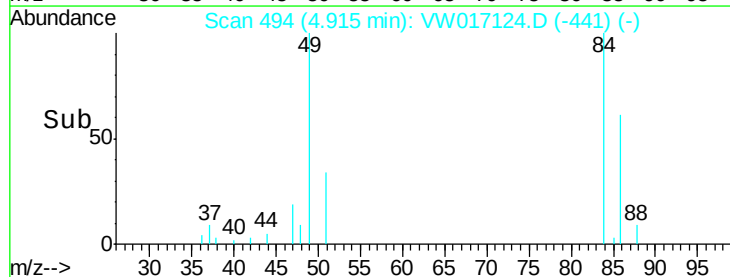
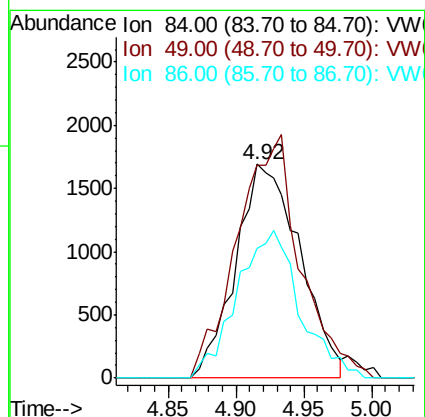
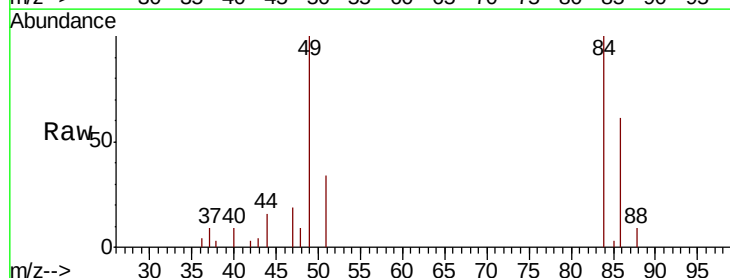
Tgt Ion: 84 Resp: 5577

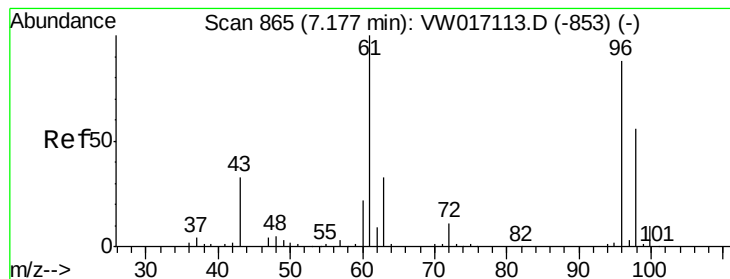
Ion Ratio Lower Upper

84 100

49 99.8 72.3 134.3

86 60.8 45.1 83.7





#21

2-Butanone

Concen: 9.766 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW017124.D

Acq: 09 Nov 2020 18:39

Instrument :

MSVOA_W

ClientSampleId :

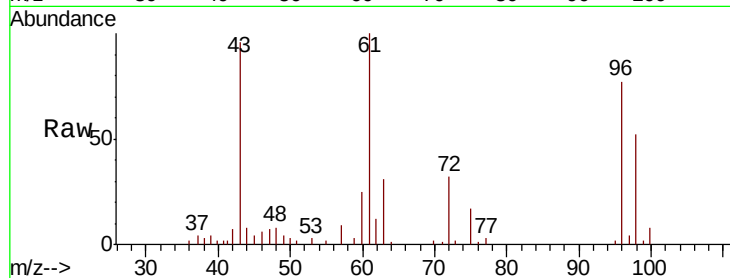
GB0S5MSD

Tot Ion: 43 Resp: 14712

Ion Ratio Lower Upper

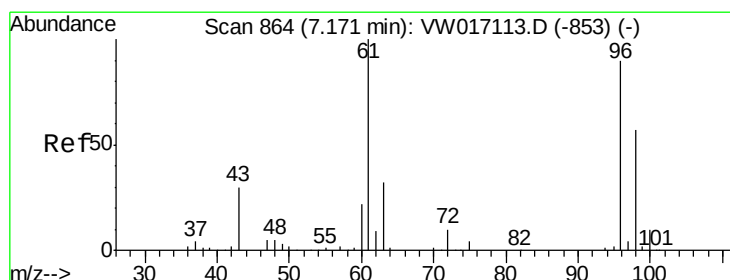
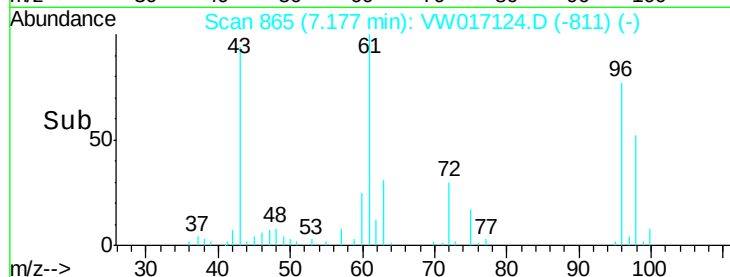
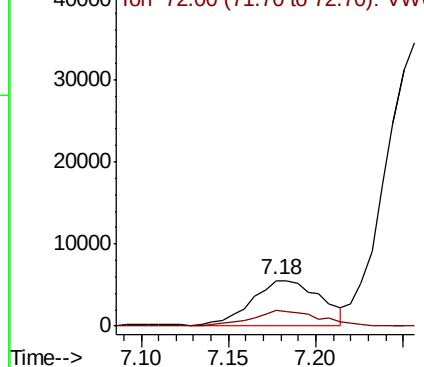
43 100

72 35.7 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: 1.922 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017124.D

Acq: 09 Nov 2020 18:39

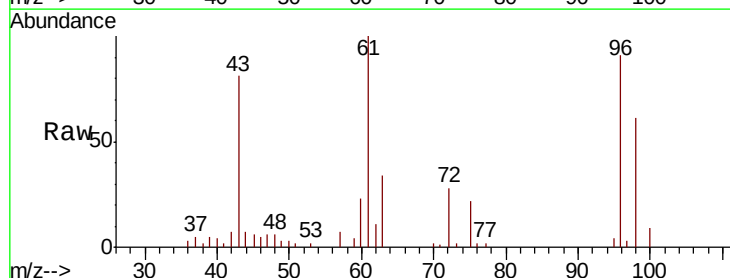
Tgt Ion: 96 Resp: 12988

Ion Ratio Lower Upper

96 100

61 110.3 77.4 143.8

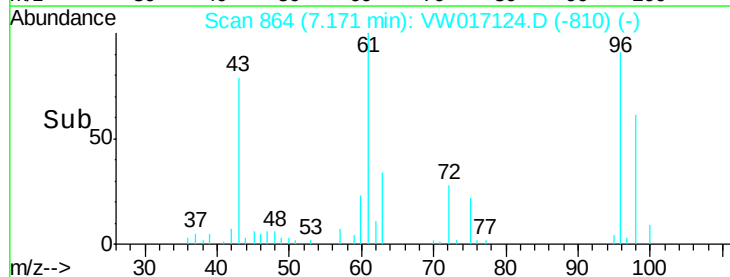
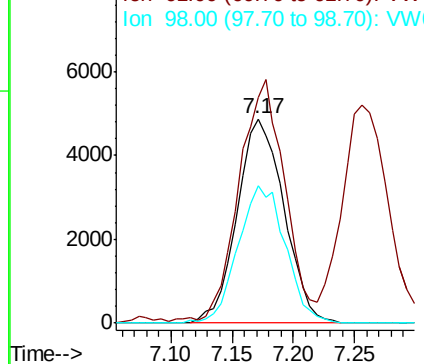
98 66.9 45.1 83.7

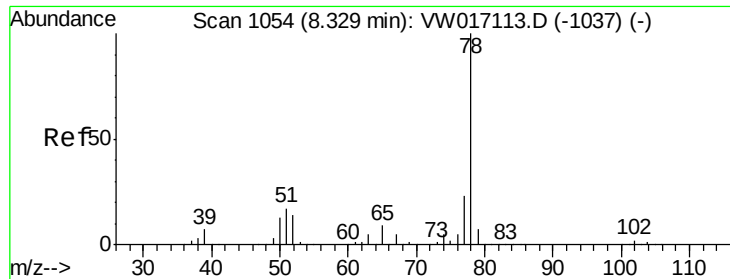


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#34

Benzene

Concen: 24.417 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW017124.D

Acq: 09 Nov 2020 18:39

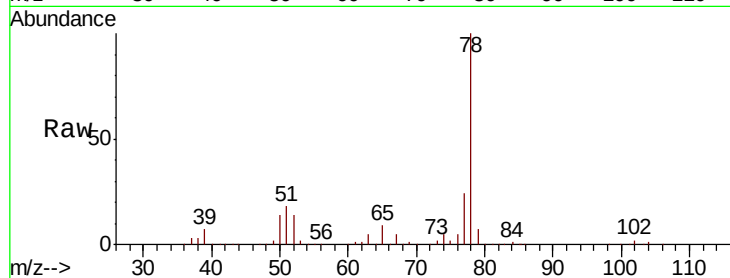
Instrument :

MSVOA_W

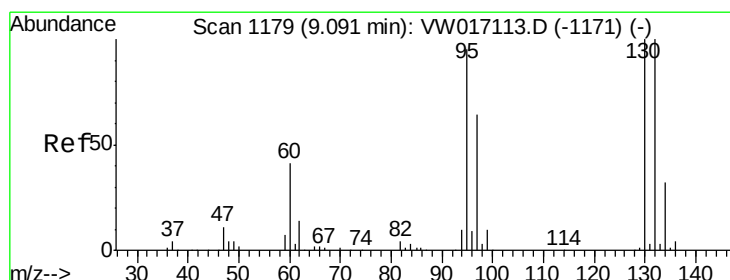
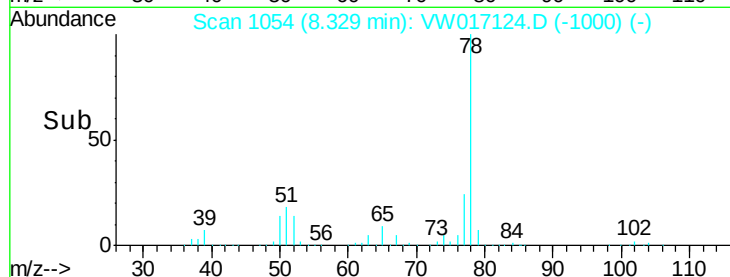
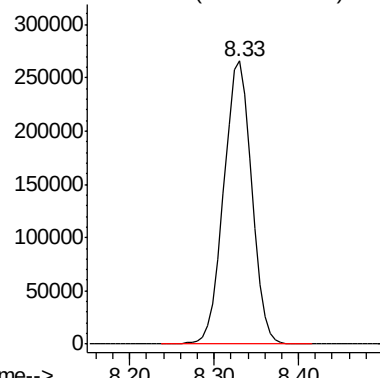
ClientSampleId :

GB0S5MSD

Tgt Ion: 78 Resp: 598457



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 23.893 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017124.D

Acq: 09 Nov 2020 18:39

Tgt Ion: 95 Resp: 164044

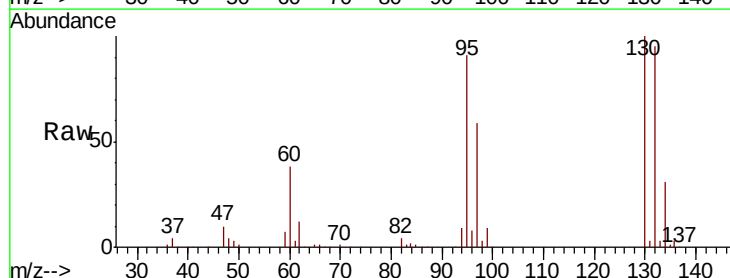
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.0	83.6
132	104.3	73.7	136.9
130	107.9	77.1	143.1

95 100

97 64.8 45.0 83.6

132 104.3 73.7 136.9

130 107.9 77.1 143.1

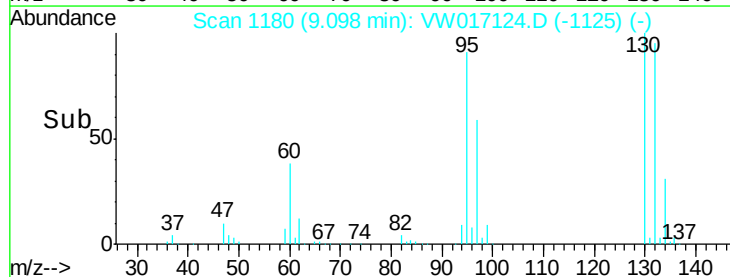
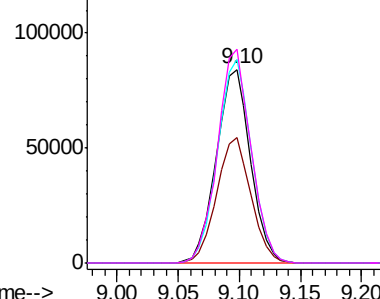


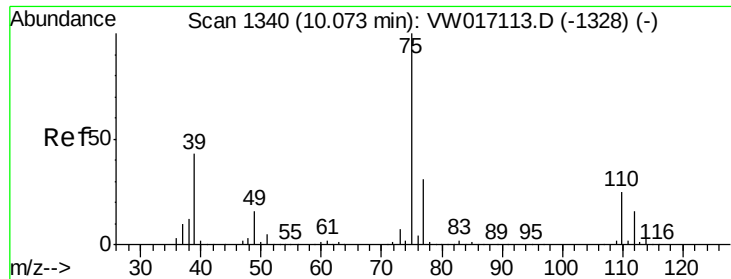
Abundance Ion 95.00 (94.70 to 95.70): VW

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

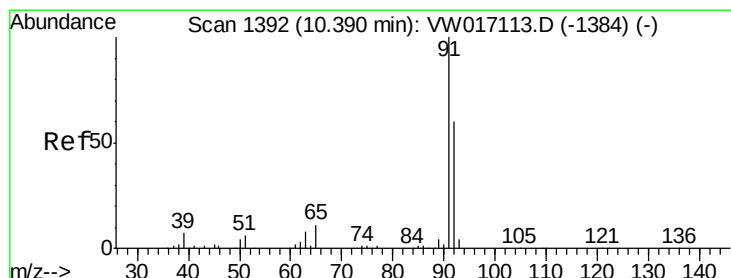
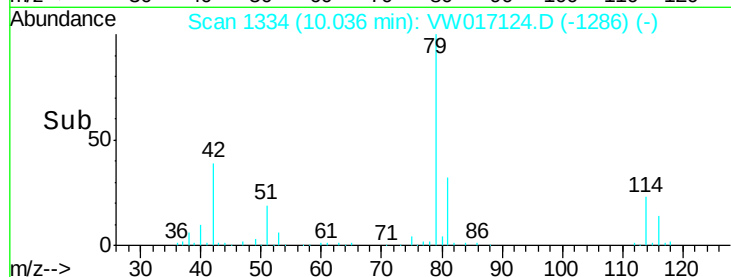
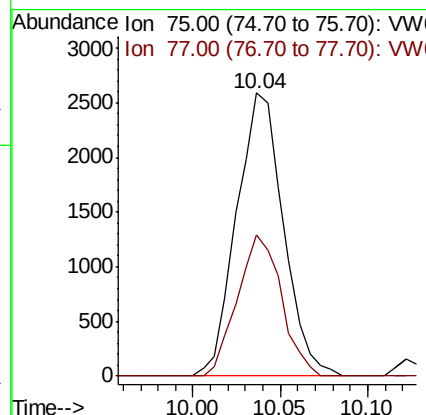
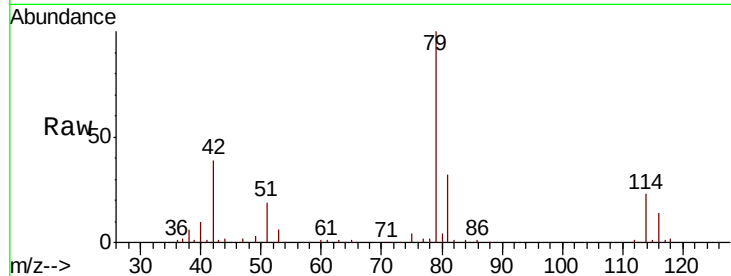




#42
 cis-1,3-Dichloropropene
 Concen: 0.529 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017124.D
 Acq: 09 Nov 2020 18:39

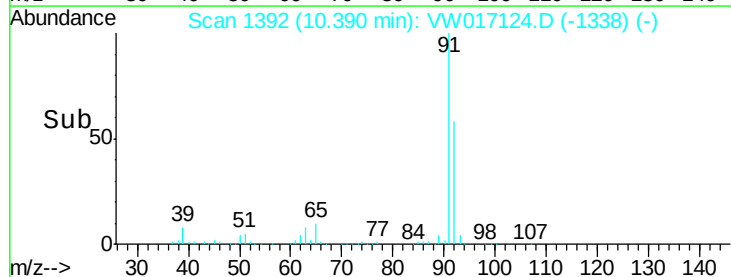
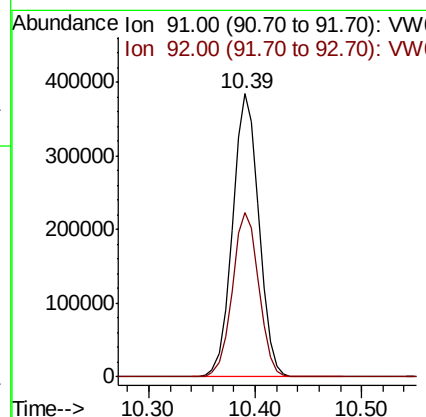
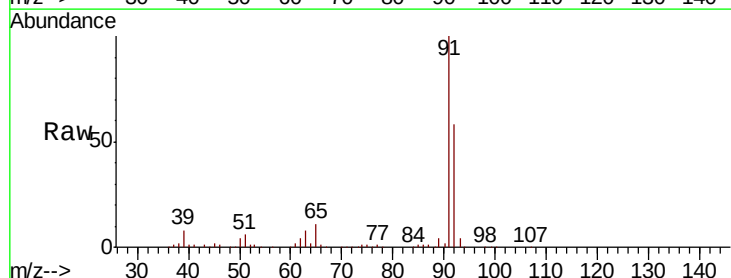
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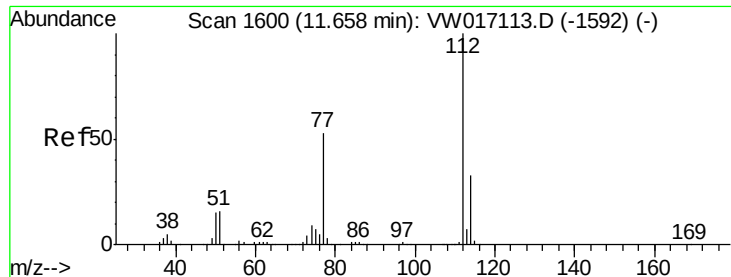
Tot Ion: 75 Resp: 4805
 Ion Ratio Lower Upper
 75 100
 77 50.0 22.0 41.0#



#44
 Toluene
 Concen: 24.634 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW017124.D
 Acq: 09 Nov 2020 18:39

Tgt Ion: 91 Resp: 664568
 Ion Ratio Lower Upper
 91 100
 92 58.3 41.4 76.8

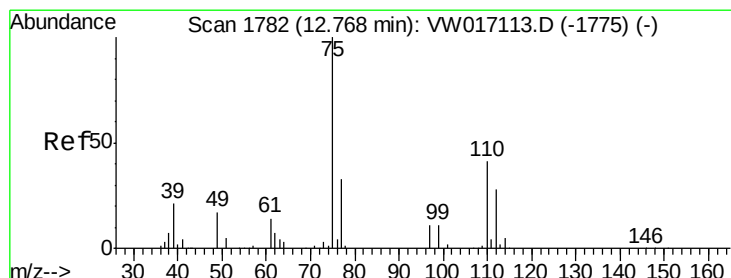
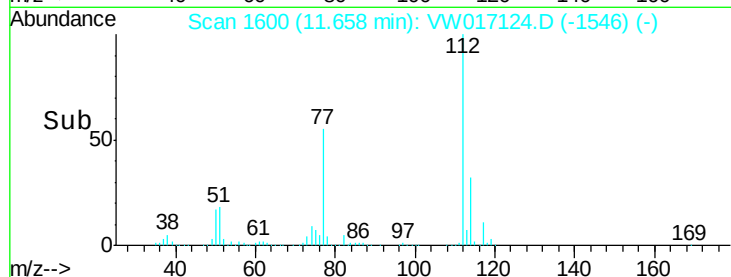
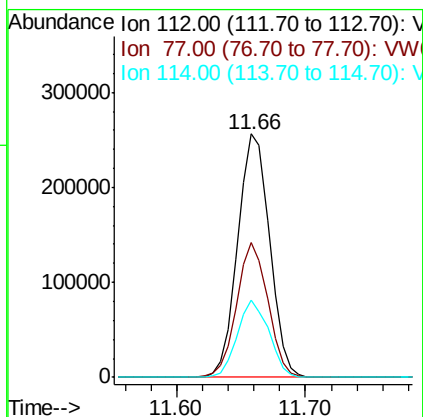
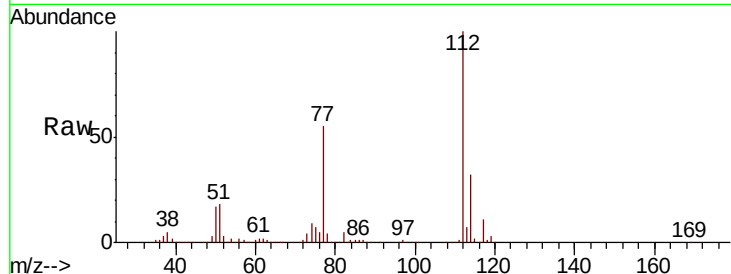




#52
Chlorobenzene
Concen: 24.074 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017124.D
Acq: 09 Nov 2020 18:39

Instrument :
MSVOA_W
ClientSampleId :
GB0S5MSD

Tot Ion:112 Resp: 439274
Ion Ratio Lower Upper
112 100
77 55.4 41.7 62.5
114 31.9 22.3 41.3



#59
1,2,3-Trichloropropane
Concen: 5.795 ug/L
RT: 13.56 min Scan# 1912
Delta R.T. 0.79 min
Lab File: VW017124.D
Acq: 09 Nov 2020 18:39

Tgt Ion: 75 Resp: 23770
Ion Ratio Lower Upper
75 100
77 37.1 26.4 39.6

