

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 :
 GB05MS

Quant Time: Nov 10 08:00:37 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

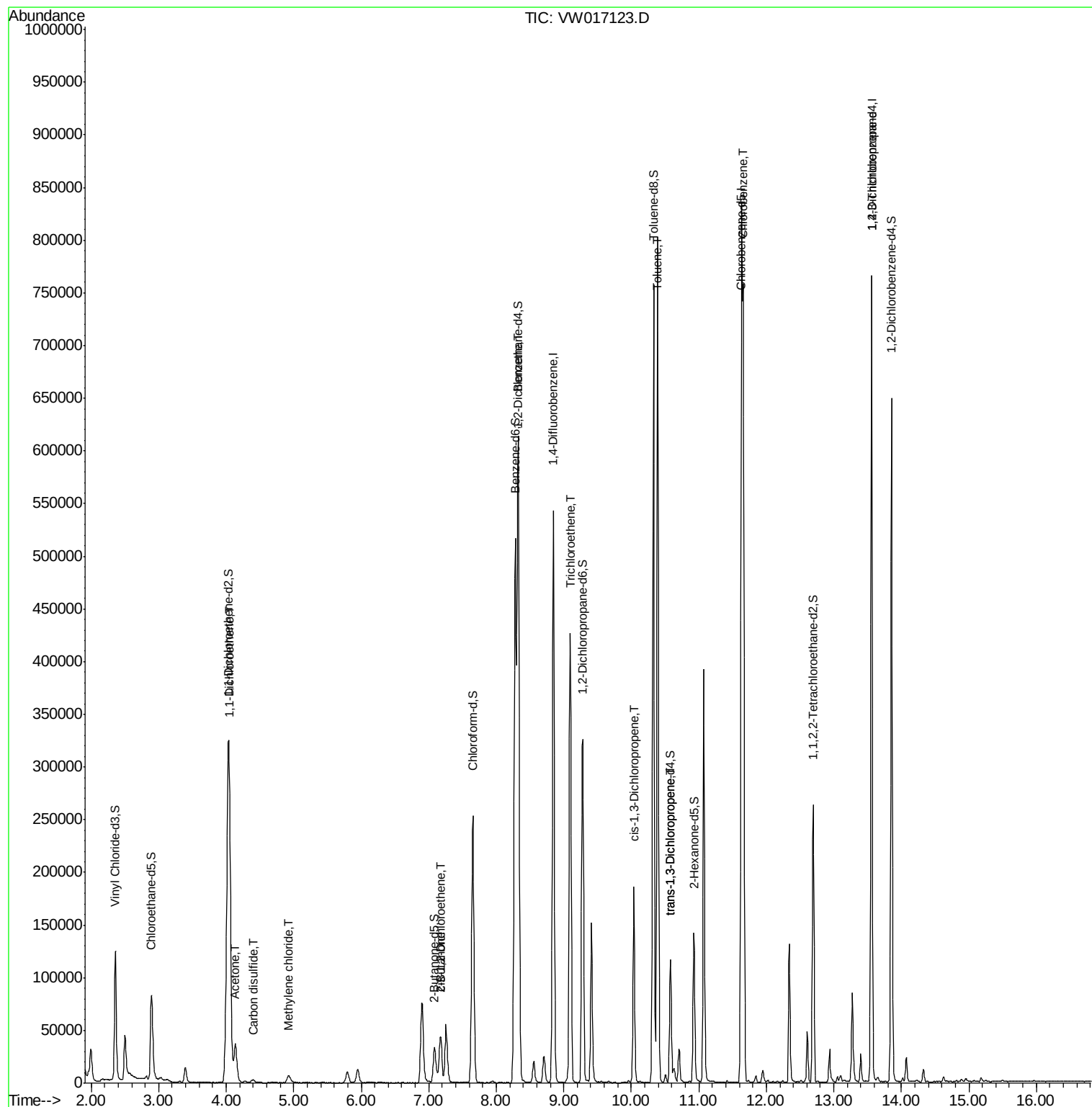
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.05	96	132361	21.452	ug/L	93
13) Acetone	4.13	43	65210	69.550	ug/L	93
14) Carbon disulfide	4.40	76	6123	0.365	ug/L	96
16) Methylene chloride	4.92	84	5979	0.892	ug/L	86
21) 2-Butanone	7.18	43	13631	9.054	ug/L	94
22) cis-1,2-Dichloroethene	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
42) cis-1,3-Dichloropropene	10.04	75	4729	0.530	ug/L #	72
44) Toluene	10.39	91	603402	22.728	ug/L	98
45) trans-1,3-Dichloropropene	10.58	75	2954	0.385	ug/L #	75
52) Chlorobenzene	11.66	112	391406	21.798	ug/L	99
59) 1,2,3-Trichloropropane	13.56	75	22873	5.667	ug/L	93

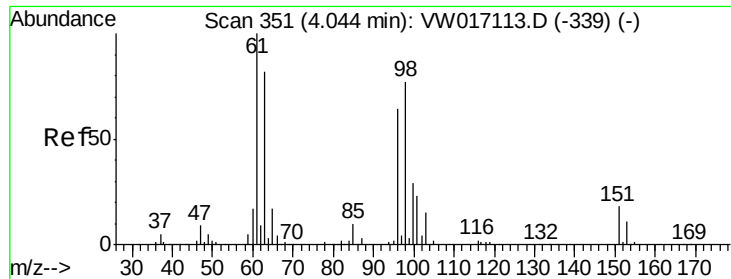
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GB0S5MS

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
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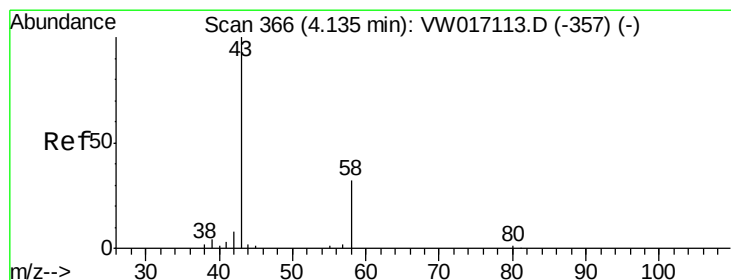
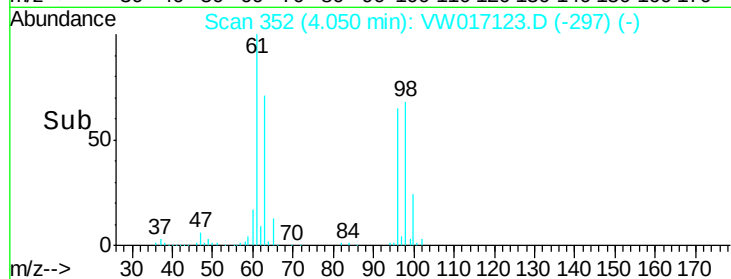
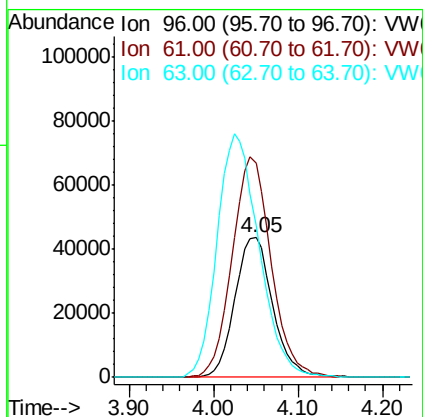
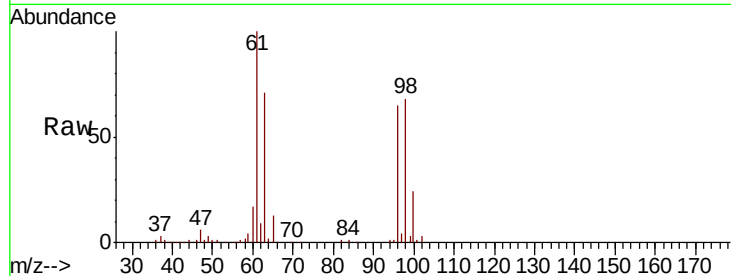




#12
 1,1-Dichloroethene
 Concen: 21.452 ug/L
 RT: 4.05 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VW017123.D
 Acq: 09 Nov 2020 18:16

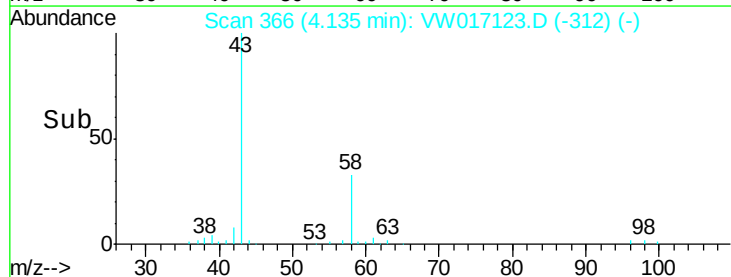
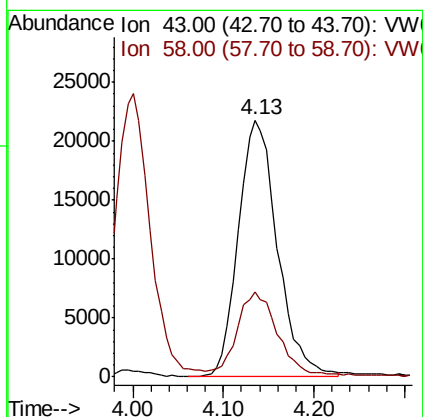
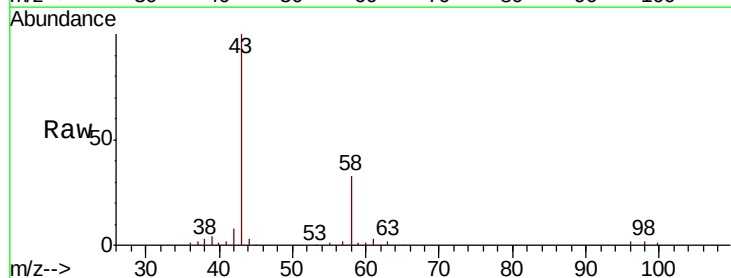
Instrument :
 MSVOA_W
 ClientSampleId :
 GB0S5MS

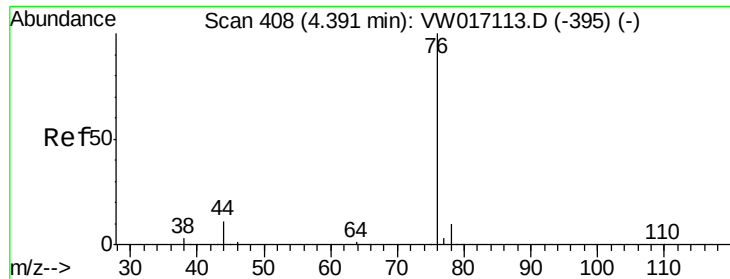
Tot Ion: 96 Resp: 132361
 Ion Ratio Lower Upper
 96 100
 61 153.3 103.8 192.8
 63 108.3 84.4 156.7



#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 :

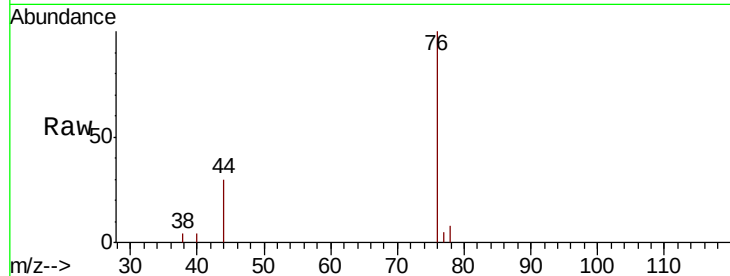
GB0S5MS

Tot Ion: 76 Resp: 6123

Ion Ratio Lower Upper

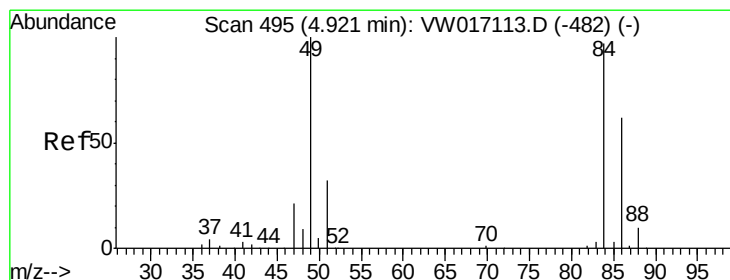
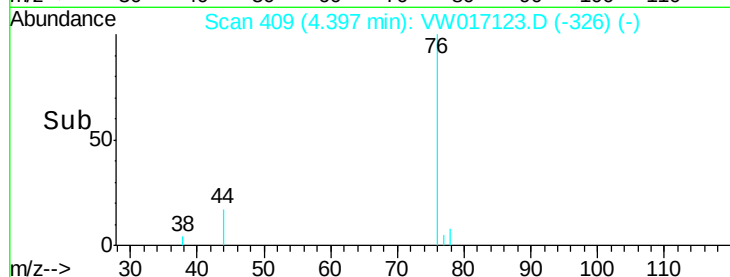
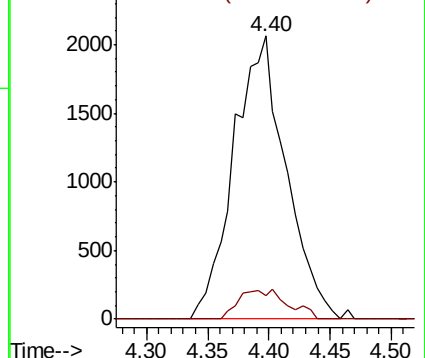
76 100

78 8.1 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#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

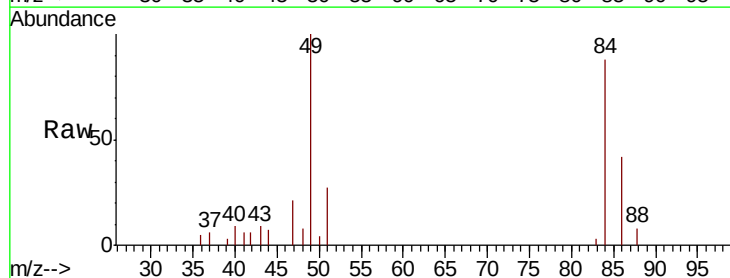
Tgt Ion: 84 Resp: 5979

Ion Ratio Lower Upper

84 100

49 113.4 72.3 134.3

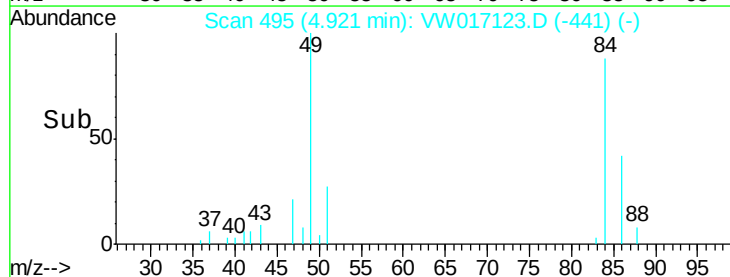
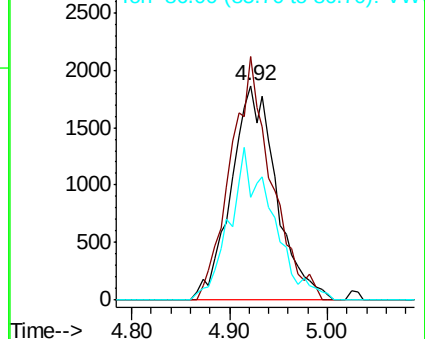
86 47.9 45.1 83.7

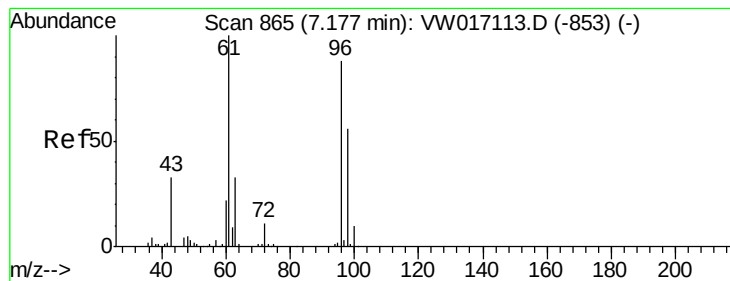


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#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 :

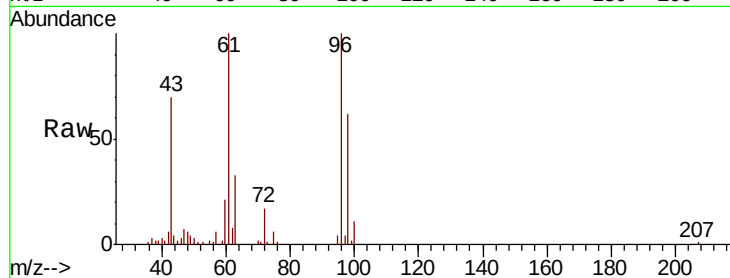
GB0S5MS

Tot Ion: 43 Resp: 13631

Ion Ratio Lower Upper

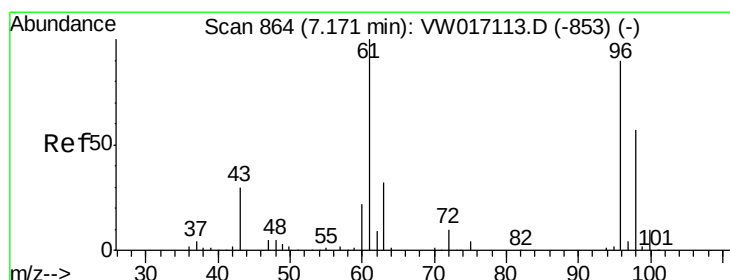
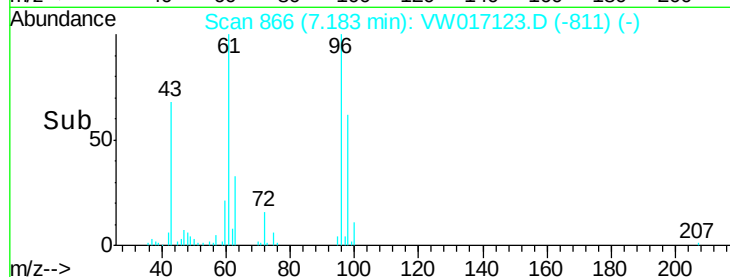
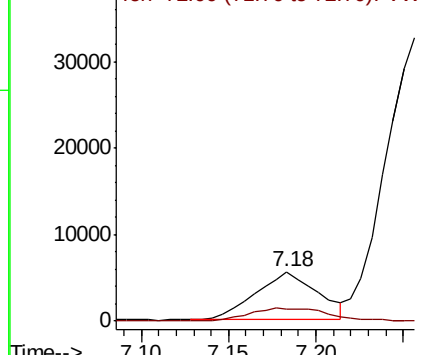
43 100

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

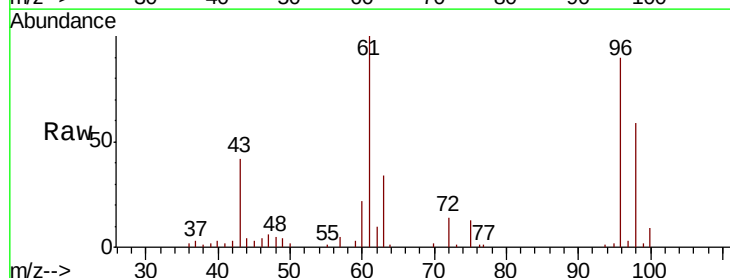
Tgt Ion: 96 Resp: 22617

Ion Ratio Lower Upper

96 100

61 111.2 77.4 143.8

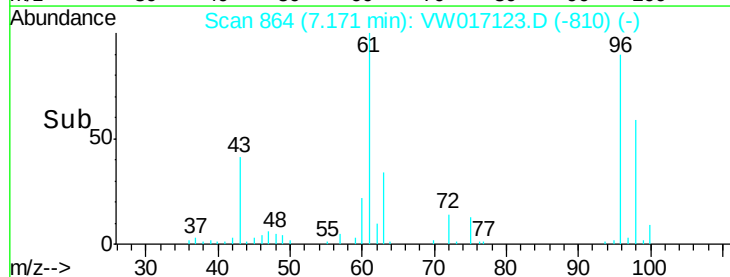
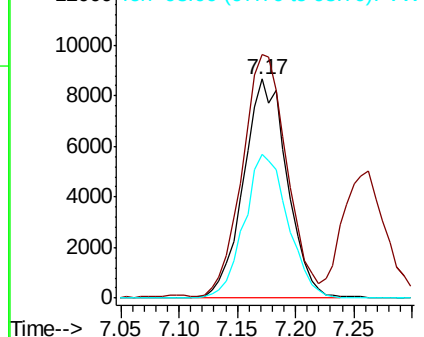
98 65.5 45.1 83.7

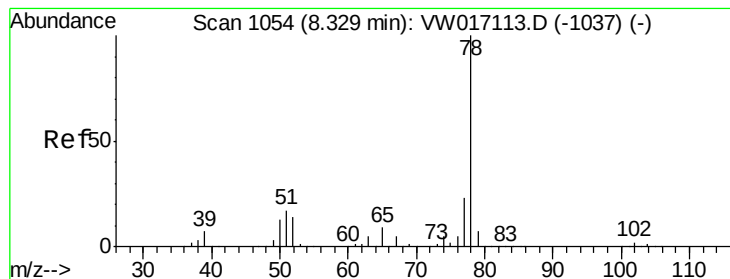


Abundance Ion 96.00 (95.70 to 96.70): VW

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

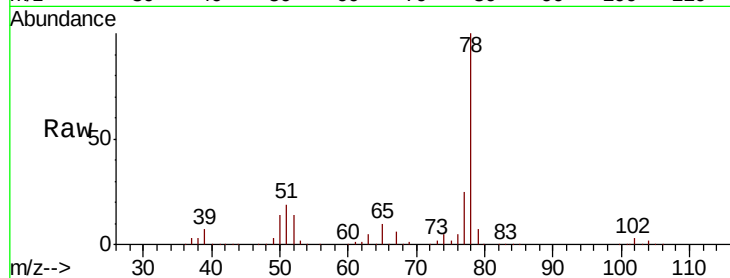
Instrument :

MSVOA_W

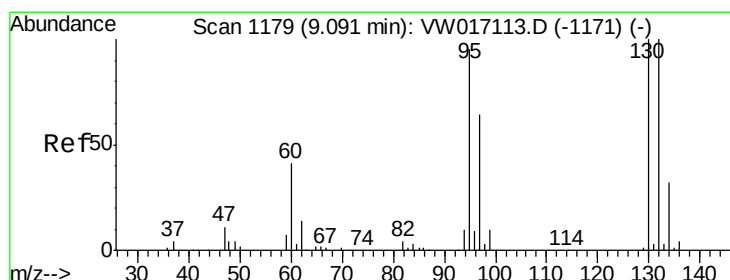
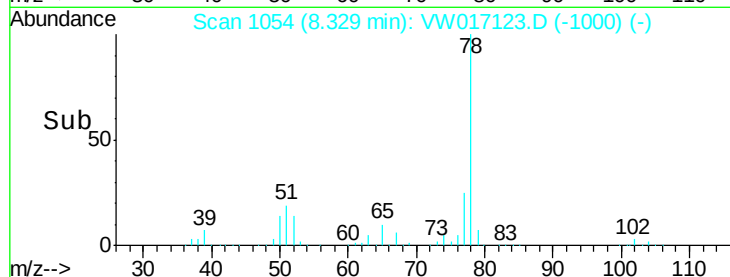
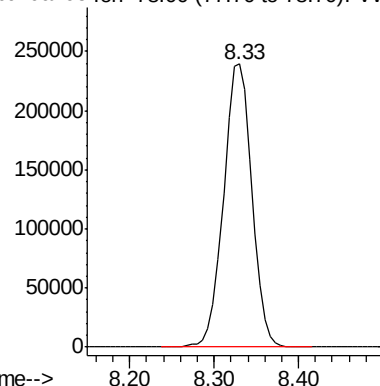
ClientSampleId :

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

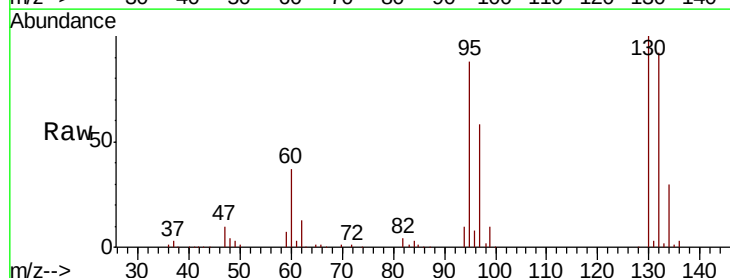
Delta R.T. 0.01 min

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

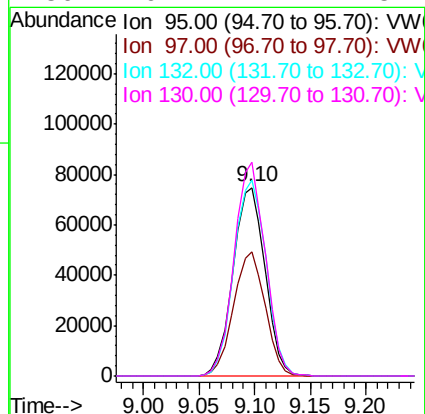
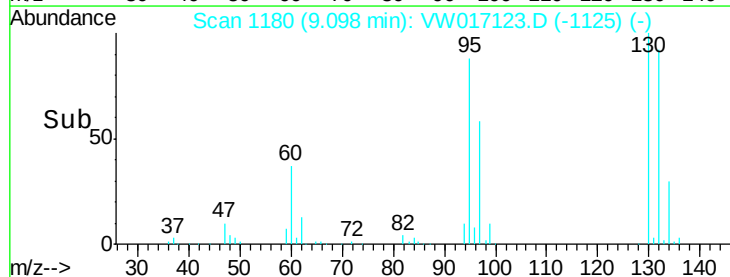


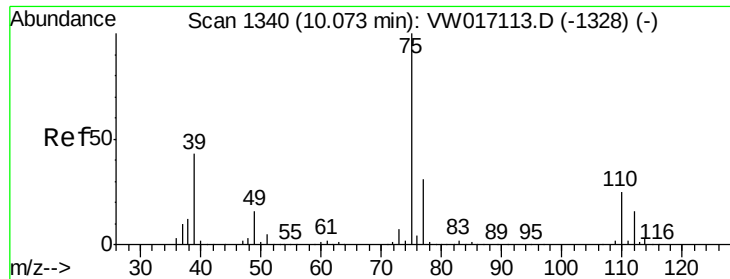
Abundance Ion 95.00 (94.70 to 95.70): VW

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





#42

cis-1,3-Dichloropropene

Concen: 0.530 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017123.D

Acq: 09 Nov 2020 18:16

Instrument :

MSVOA_W

ClientSampleId :

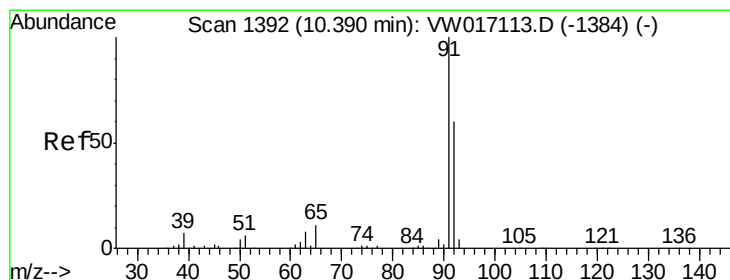
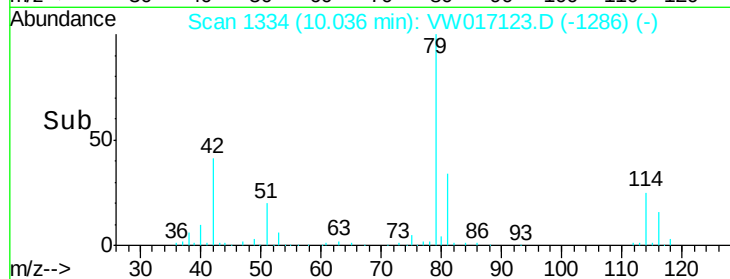
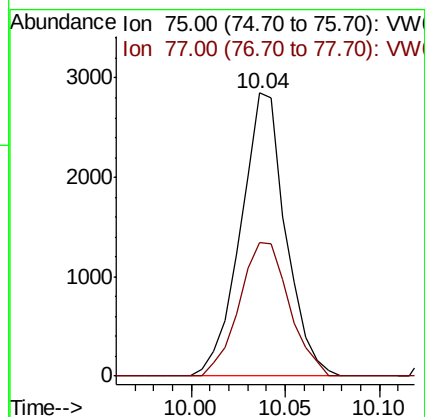
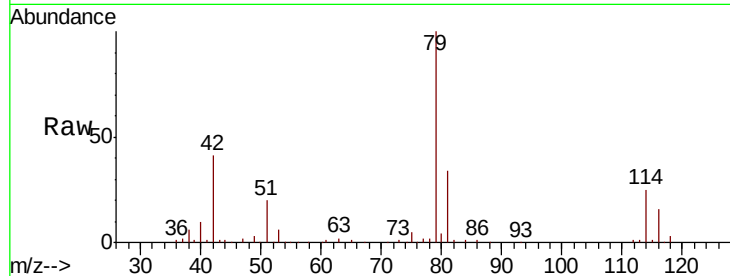
GB0S5MS

Tot Ion: 75 Resp: 4729

Ion Ratio Lower Upper

75 100

77 47.2 22.0 41.0#



#44

Toluene

Concen: 22.728 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017123.D

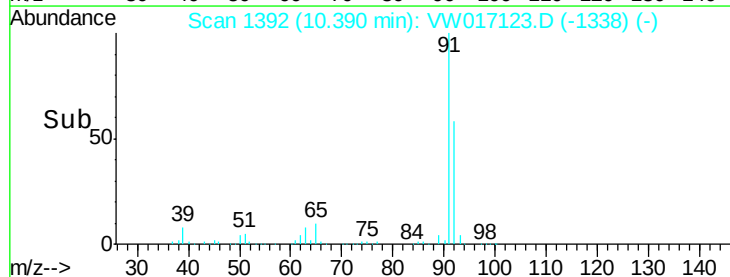
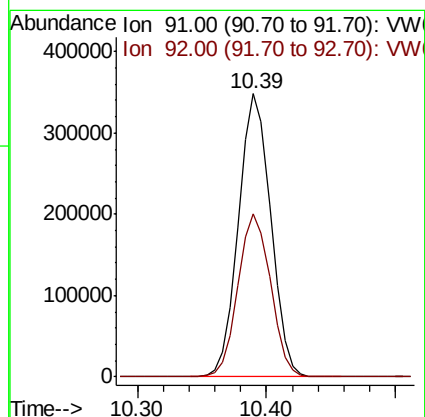
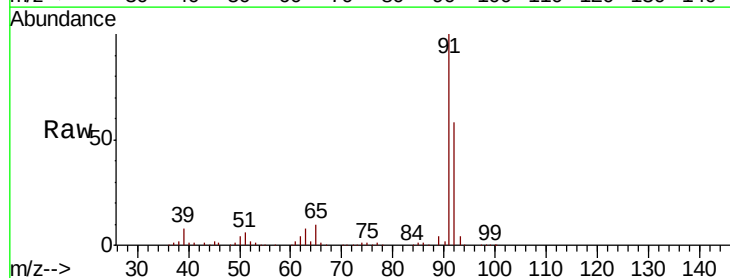
Acq: 09 Nov 2020 18:16

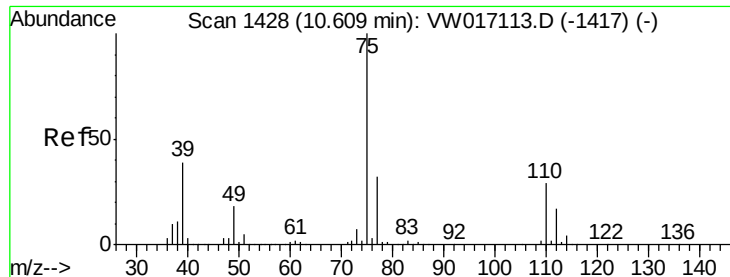
Tgt Ion: 91 Resp: 603402

Ion Ratio Lower Upper

91 100

92 57.6 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 0.385 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017123.D

Acq: 09 Nov 2020 18:16

Instrument :

MSVOA_W

ClientSampleId :

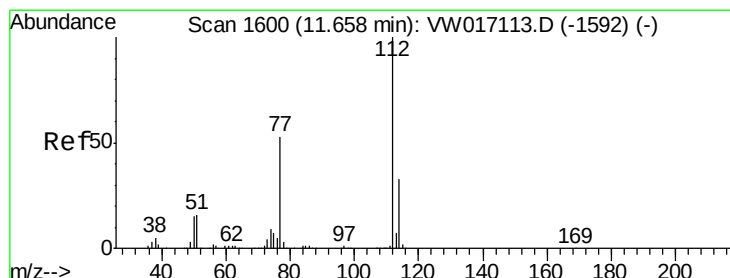
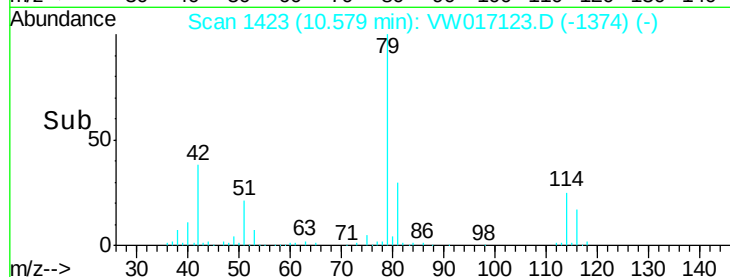
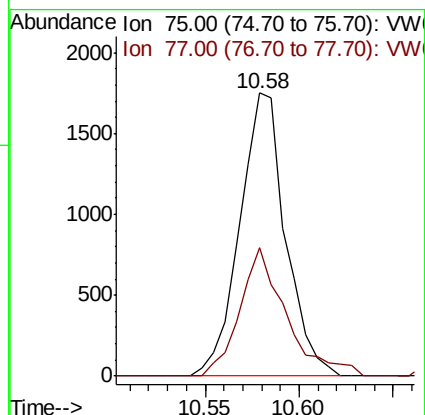
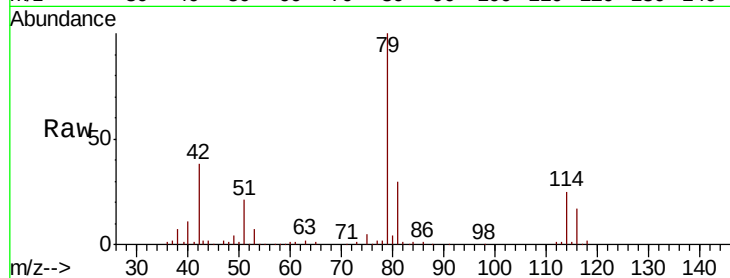
GB0S5MS

Tot Ion: 75 Resp: 2954

Ion Ratio Lower Upper

75 100

77 45.6 22.1 41.1#



#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

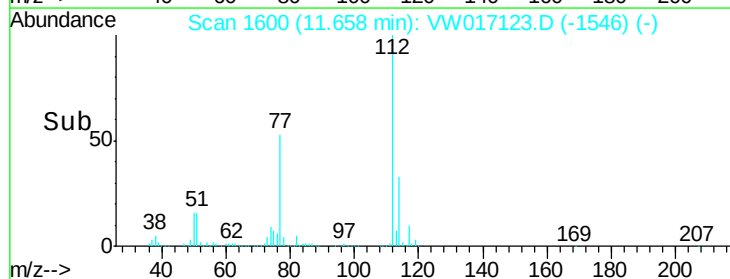
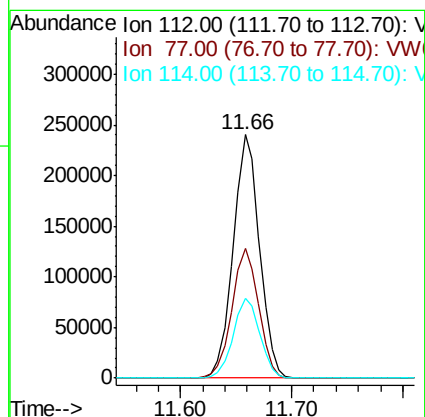
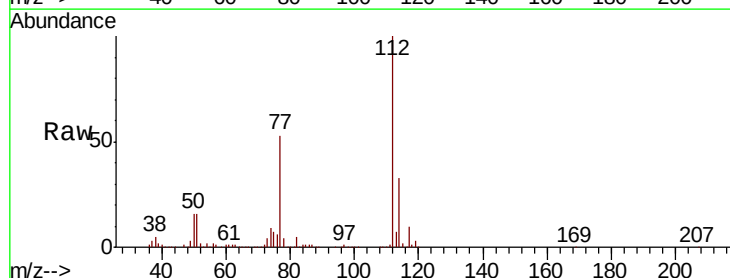
Tgt Ion: 112 Resp: 391406

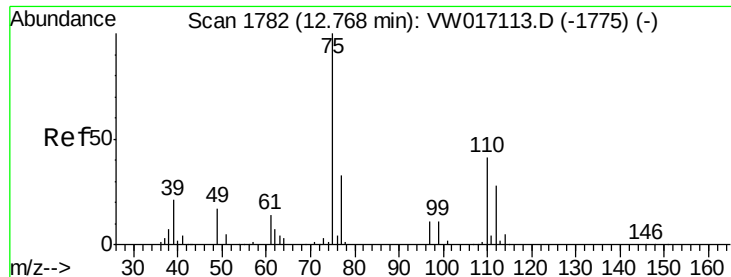
Ion Ratio Lower Upper

112 100

77 53.2 41.7 62.5

114 32.6 22.3 41.3





#59

1,2,3-Trichloropropane

Concen: 5.667 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017123.D

Acq: 09 Nov 2020 18:16

Instrument :

MSVOA_W

ClientSampleId :

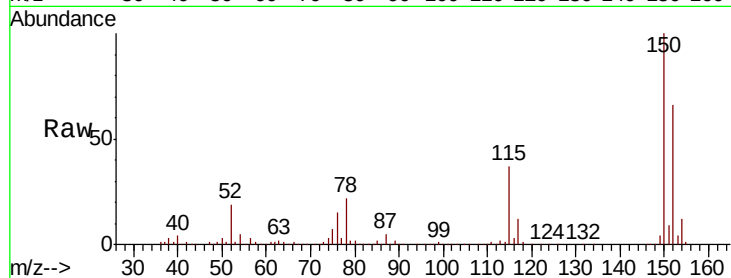
GB0S5MS

Tot Ion: 75 Resp: 22873

Ion Ratio Lower Upper

75 100

77 37.2 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

