

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110920\
 Data File : VW017122.D
 Acq On : 09 Nov 2020 17:52
 Operator : SY/VA
 Sample : L4673-04
 Misc : 6.43G/10ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB0S5

Quant Time: Nov 10 08:00:27 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	540313	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	494952	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	237862	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	147135	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.48%
7) Chloroethane-d5	2.90	69	119789	22.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.36%
10) 1,1-Dichloroethene-d2	4.03	63	204067	16.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.04%
20) 2-Butanone-d5	7.09	46	64612	42.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.90%
24) Chloroform-d	7.65	84	287790	22.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.28%
26) 1,2-Dichloroethane-d4	8.31	65	151542	24.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.68%
29) Benzene-d6	8.28	84	581215	23.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.24%
33) 1,2-Dichloropropane-d6	9.28	67	164318	23.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.28%
37) Toluene-d8	10.33	98	555570	23.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.52%
38) trans-1,3-Dichloropropene-	10.58	79	71906	22.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.52%
39) 2-Hexanone-d5	10.93	63	56706	46.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	141729	23.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	202080	24.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.44%

Target Compounds

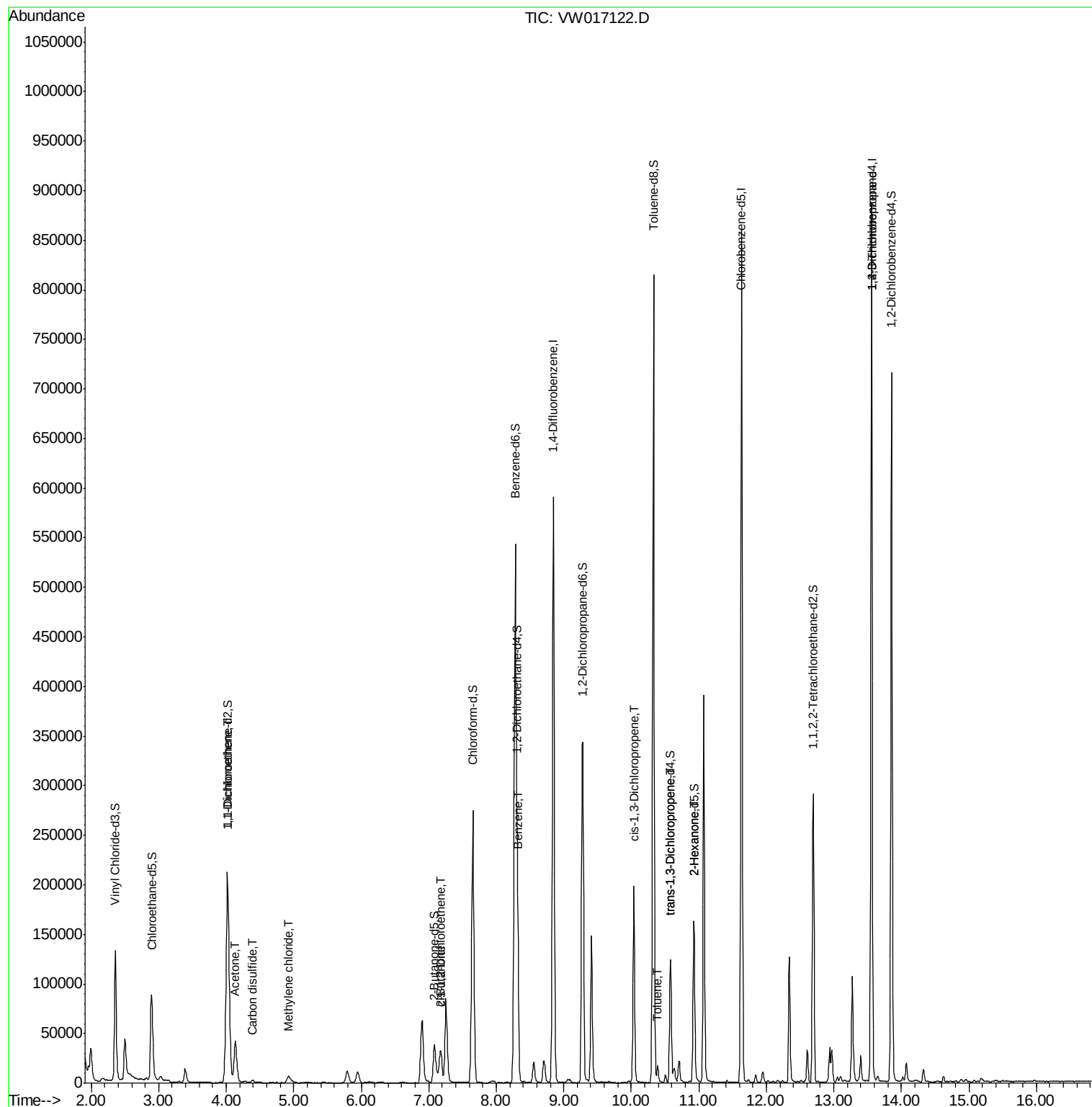
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.03	96	1916	0.286	ug/L #	1
13) Acetone	4.14	43	75393	73.986	ug/L	98
14) Carbon disulfide	4.40	76	5861	0.321	ug/L	95
16) Methylene chloride	4.92	84	5951	0.817	ug/L	86
21) 2-Butanone	7.18	43	17826	10.895	ug/L	100
22) cis-1,2-Dichloroethene	7.18	96	13783	1.878	ug/L	98
34) Benzene	8.32	78	11473	0.441	ug/L	100
42) cis-1,3-Dichloropropene	10.04	75	5263	0.547	ug/L #	75
44) Toluene	10.39	91	11833	0.414	ug/L	99
45) trans-1,3-Dichloropropene	10.59	75	3218	0.389	ug/L	92
49) 2-Hexanone	10.93	43	6910	3.058	ug/L #	61
59) 1,2,3-Trichloropropane	13.56	75	24860	5.716	ug/L	90

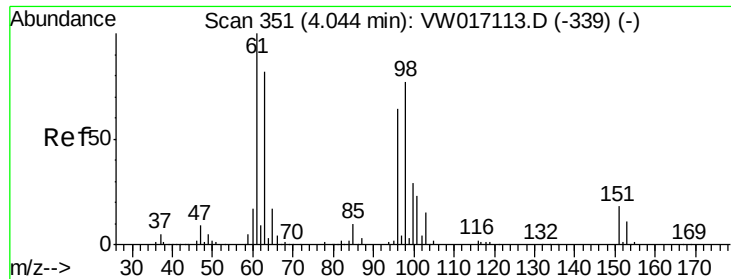
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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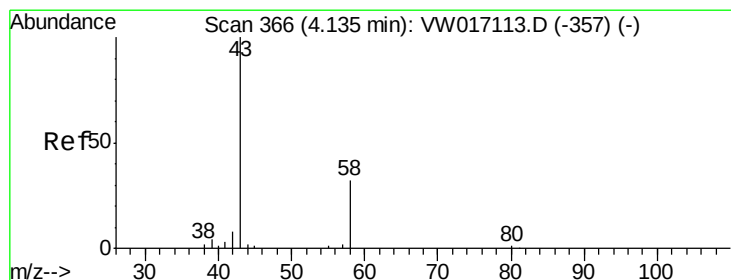
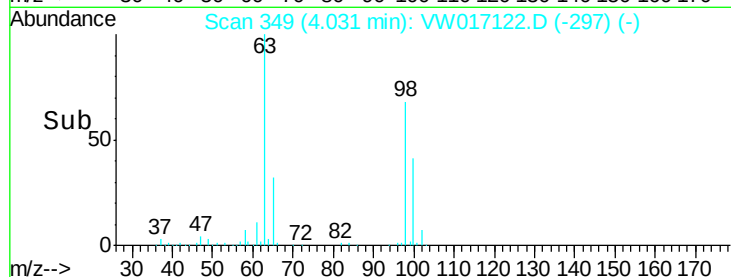
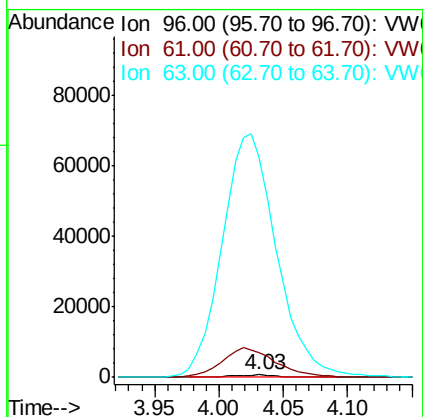
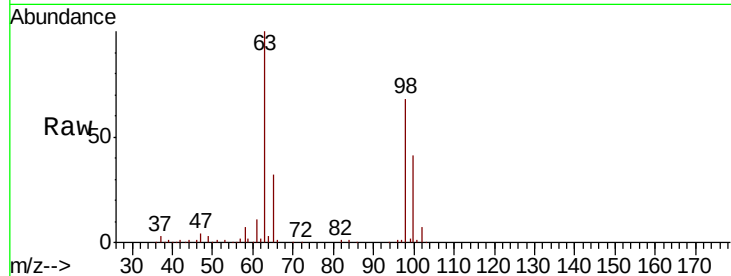




#12
 1,1-Dichloroethene
 Concen: 0.286 ug/L
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW017122.D
 Acq: 09 Nov 2020 17:52

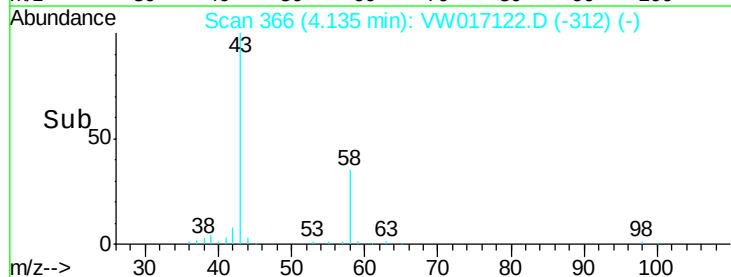
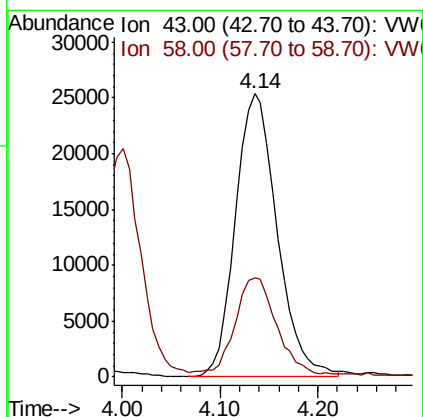
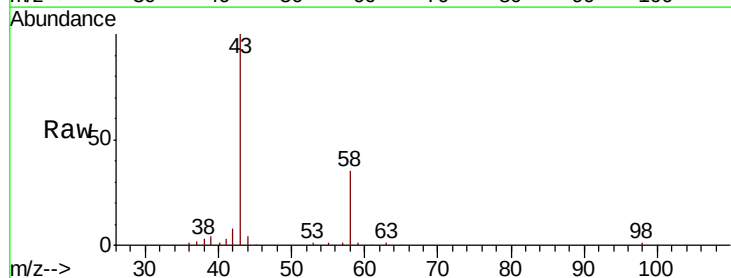
Instrument :
 MSVOA_W
 ClientSampled :
 GB0S5

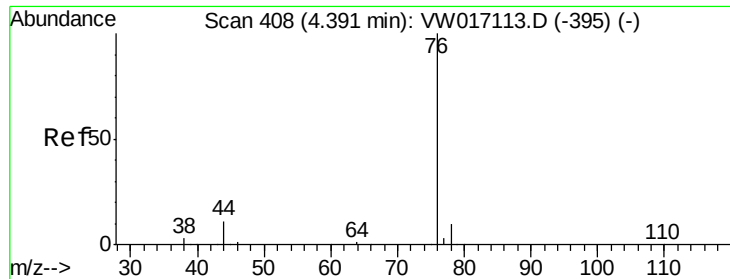
Tot Ion: 96 Resp: 1916
 Ion Ratio Lower Upper
 96 100
 61 1072.3 103.8 192.8#
 63 9373.7 84.4 156.7#



#13
 Acetone
 Concen: 73.986 ug/L
 RT: 4.14 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VW017122.D
 Acq: 09 Nov 2020 17:52

Tgt Ion: 43 Resp: 75393
 Ion Ratio Lower Upper
 43 100
 58 35.9 0.0 69.2





#14

Carbon disulfide

Concen: 0.321 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017122.D

Acq: 09 Nov 2020 17:52

Instrument :

MSVOA_W

ClientSampled :

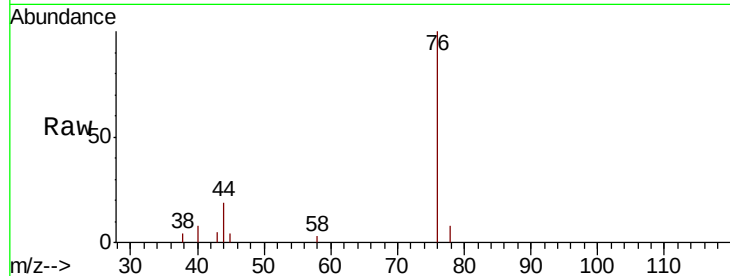
GB0S5

Tot Ion: 76 Resp: 5861

Ion Ratio Lower Upper

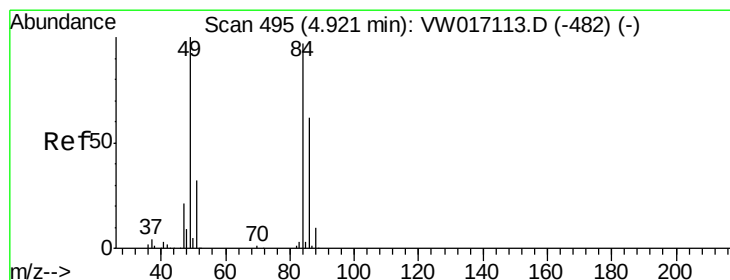
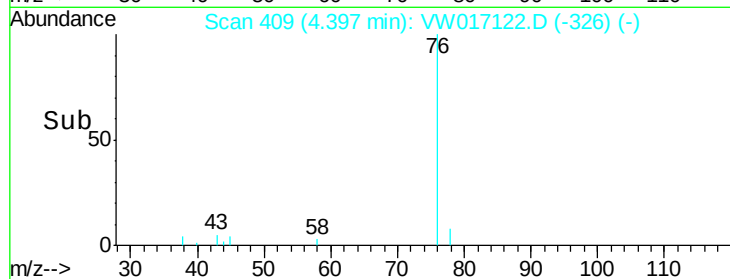
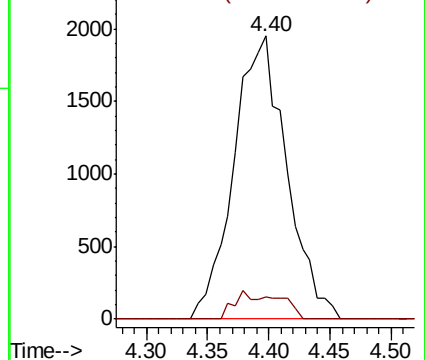
76 100

78 7.8 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: 0.817 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017122.D

Acq: 09 Nov 2020 17:52

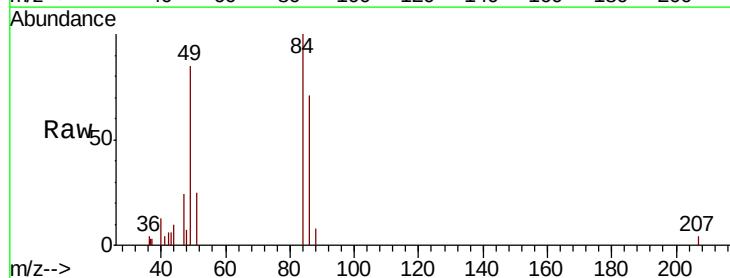
Tgt Ion: 84 Resp: 5951

Ion Ratio Lower Upper

84 100

49 85.4 72.3 134.3

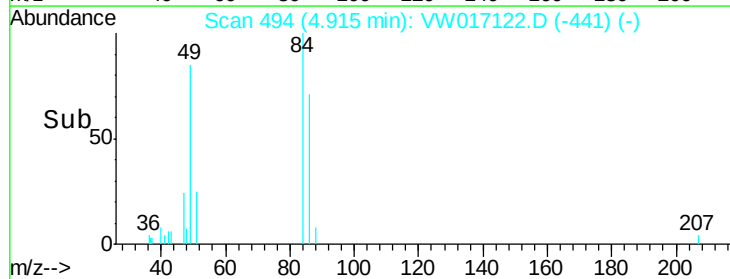
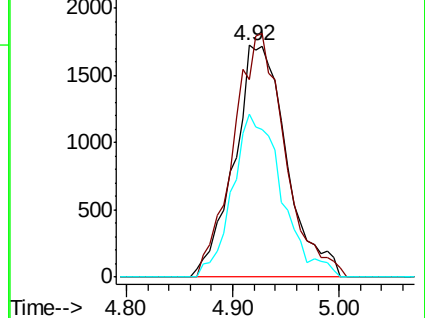
86 70.6 45.1 83.7

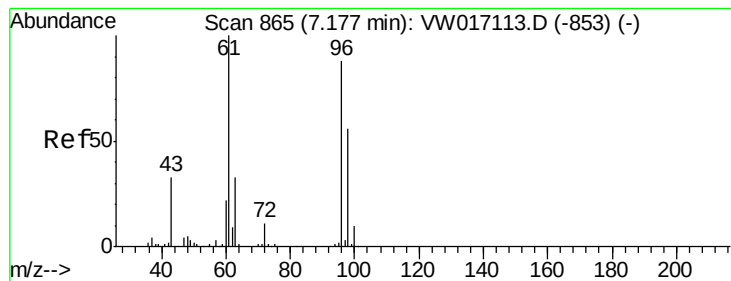


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 10.895 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW017122.D

Acq: 09 Nov 2020 17:52

Instrument :

MSVOA_W

ClientSampled :

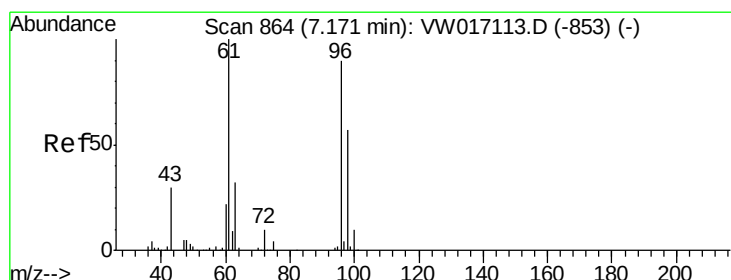
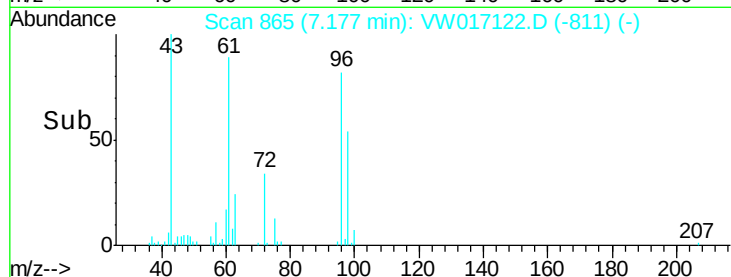
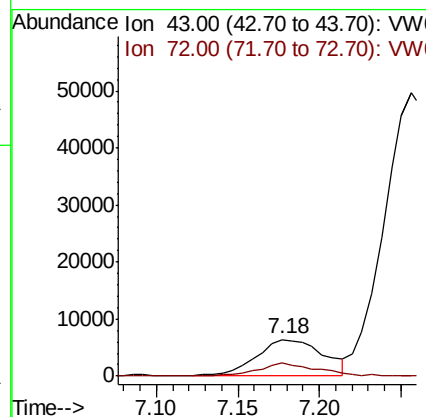
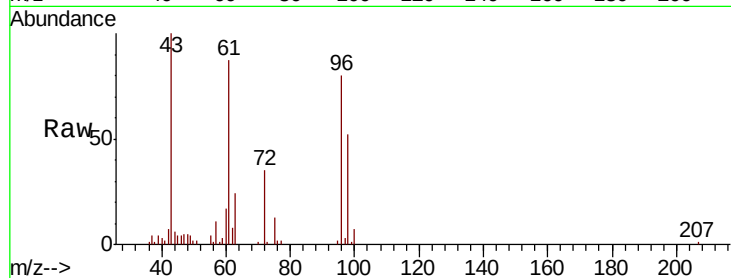
GB0S5

Tot Ion: 43 Resp: 17826

Ion Ratio Lower Upper

43 100

72 32.1 16.1 48.3



#22

cis-1,2-Dichloroethene

Concen: 1.878 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017122.D

Acq: 09 Nov 2020 17:52

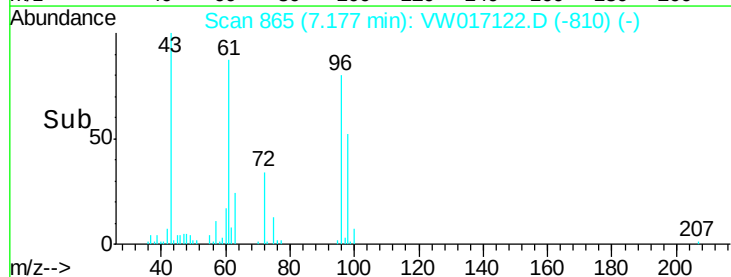
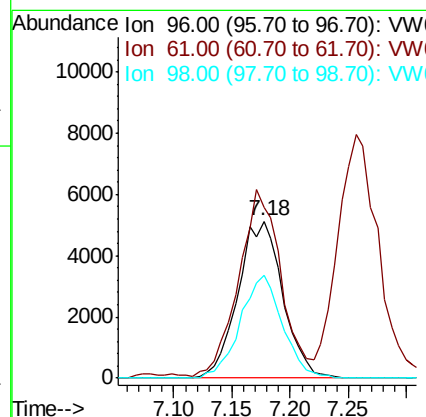
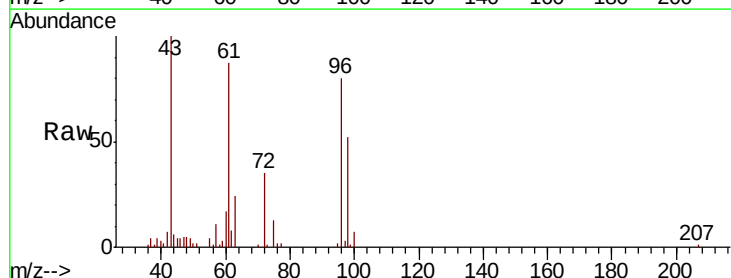
Tgt Ion: 96 Resp: 13783

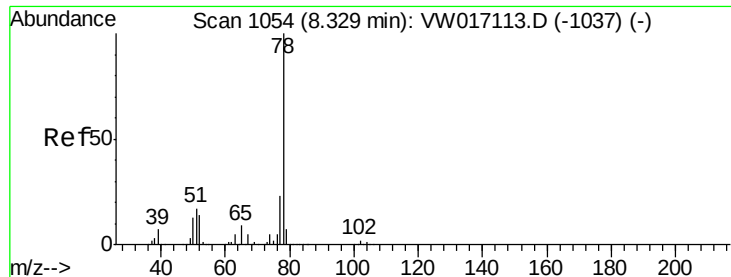
Ion Ratio Lower Upper

96 100

61 108.5 77.4 143.8

98 65.3 45.1 83.7





#34

Benzene

Concen: 0.441 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW017122.D

Acq: 09 Nov 2020 17:52

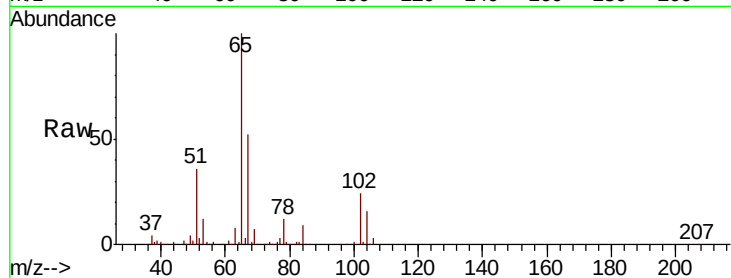
Instrument :

MSVOA_W

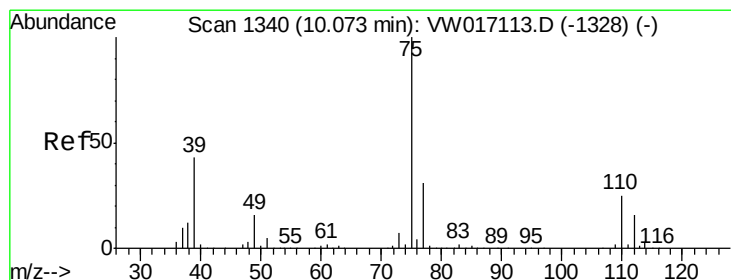
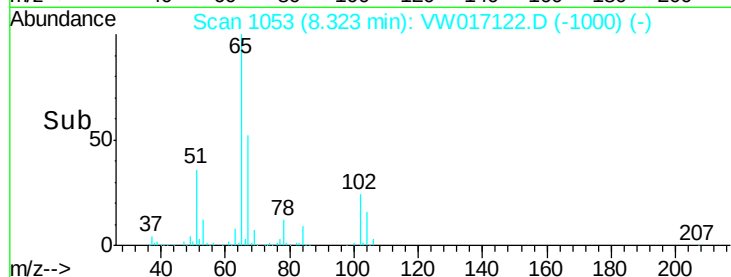
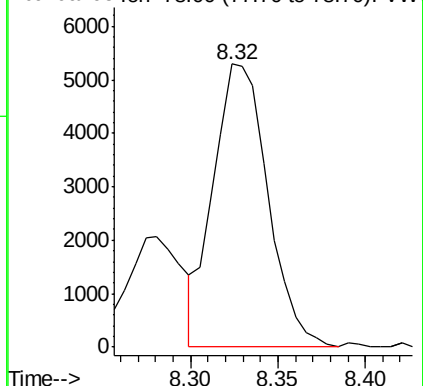
ClientSampled :

GB0S5

Tgt Ion: 78 Resp: 11473



Abundance Ion 78.00 (77.70 to 78.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.547 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW017122.D

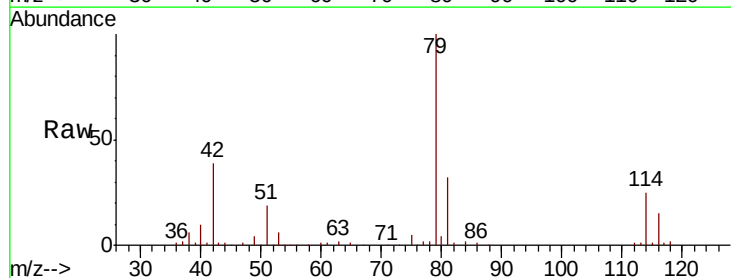
Acq: 09 Nov 2020 17:52

Tgt Ion: 75 Resp: 5263

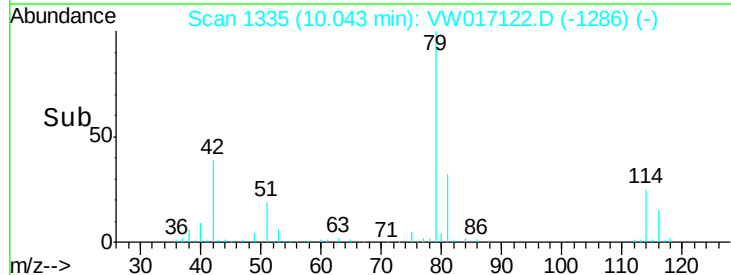
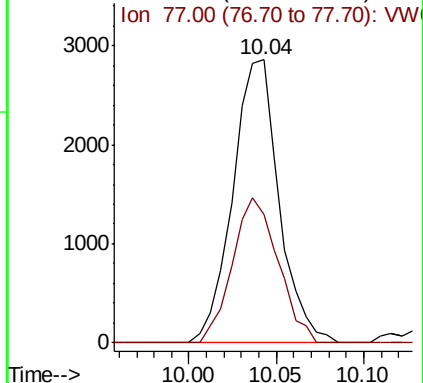
Ion Ratio Lower Upper

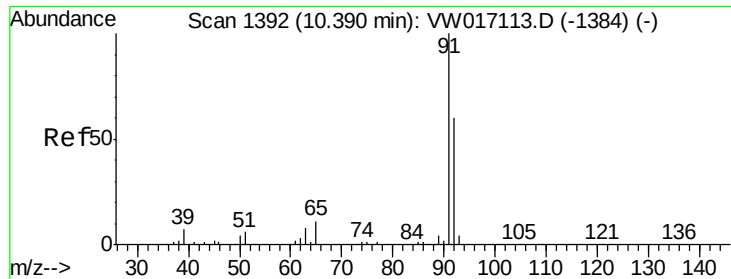
75 100

77 45.5 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VW





#44

Toluene

Concen: 0.414 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017122.D

Acq: 09 Nov 2020 17:52

Instrument :

MSVOA_W

ClientSampleId :

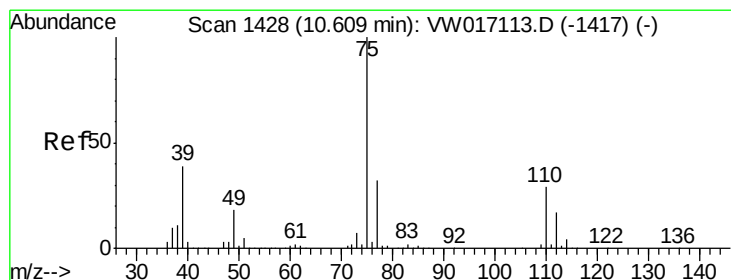
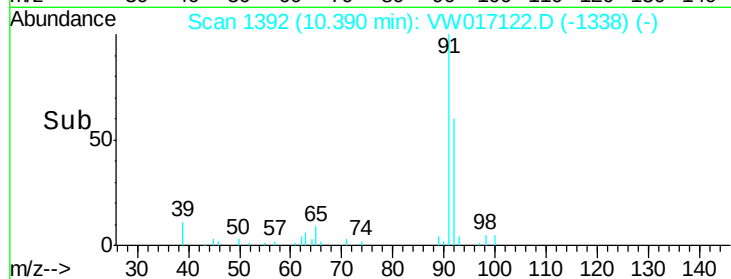
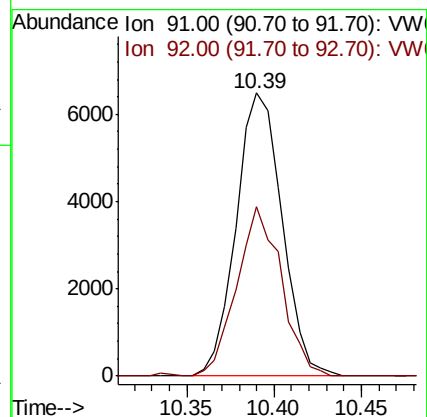
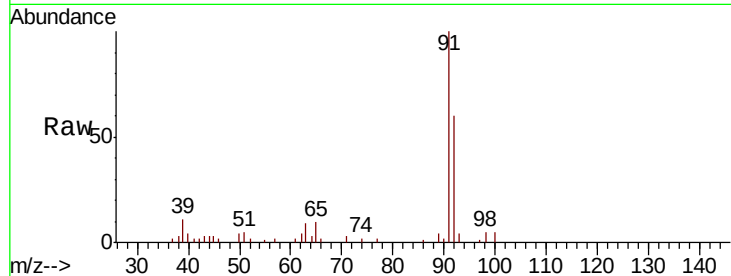
GB0S5

Tot Ion: 91 Resp: 11833

Ion Ratio Lower Upper

91 100

92 60.1 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 0.389 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017122.D

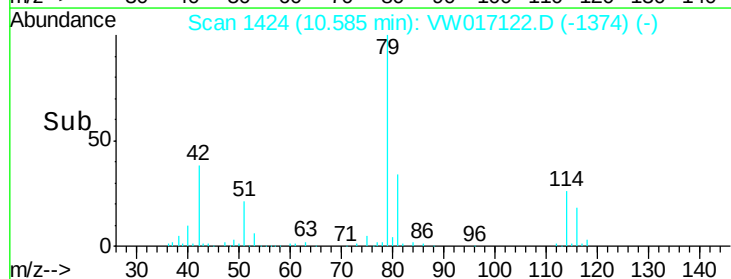
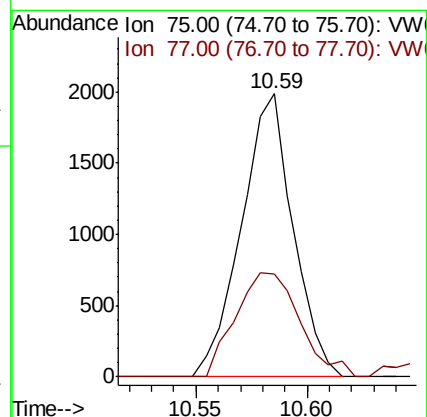
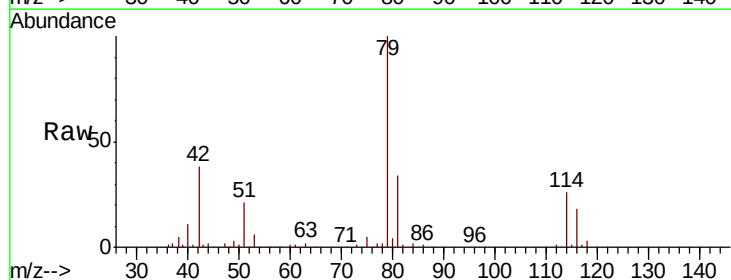
Acq: 09 Nov 2020 17:52

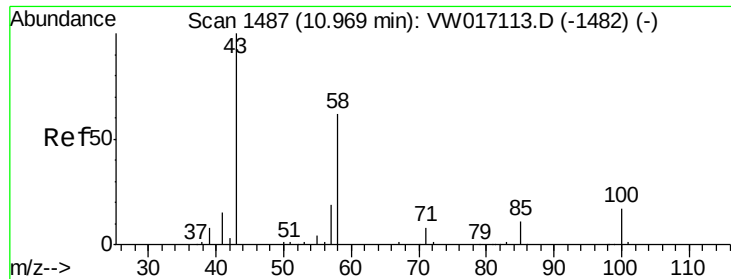
Tgt Ion: 75 Resp: 3218

Ion Ratio Lower Upper

75 100

77 36.1 22.1 41.1





#49

2-Hexanone

Concen: 3.058 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW017122.D

Acq: 09 Nov 2020 17:52

Instrument :

MSVOA_W

ClientSampleId :

GB0S5

Tot Ion: 43 Resp: 6910

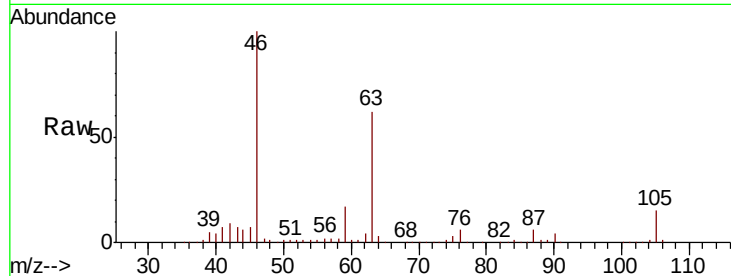
Ion Ratio Lower Upper

43 100

58 26.4 50.6 75.8#

57 31.3 17.8 26.6#

100 2.9 13.9 20.9#

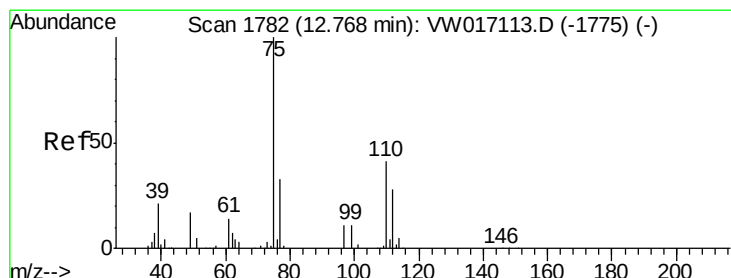
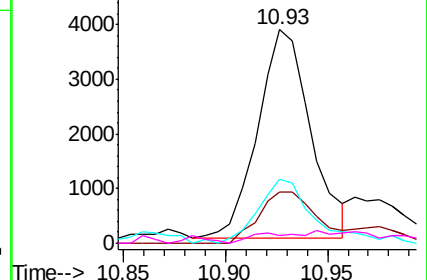
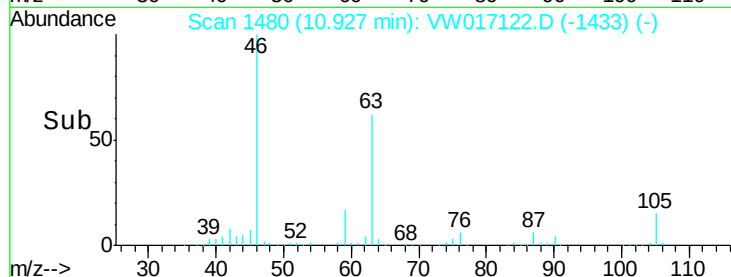


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#59

1,2,3-Trichloropropane

Concen: 5.716 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017122.D

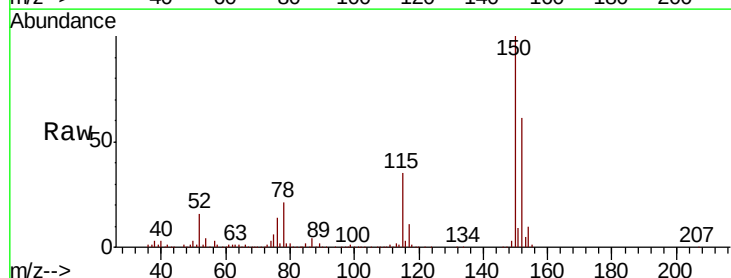
Acq: 09 Nov 2020 17:52

Tgt Ion: 75 Resp: 24860

Ion Ratio Lower Upper

75 100

77 38.4 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

