

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110920\
 Data File : VW017118.D
 Acq On : 09 Nov 2020 16:19
 Operator : SY/VA
 Sample : L4673-01
 Misc : 6.15G/10ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB0S2

Quant Time: Nov 10 07:59:50 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	552427	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	512918	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	239937	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	149130	21.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.72%
7) Chloroethane-d5	2.90	69	124360	23.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.76%
10) 1,1-Dichloroethene-d2	4.03	63	207964	16.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.84%
20) 2-Butanone-d5	7.09	46	58018	37.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.58%
24) Chloroform-d	7.65	84	293984	22.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	8.31	65	146704	22.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.52%
29) Benzene-d6	8.28	84	599375	22.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.80%
33) 1,2-Dichloropropane-d6	9.28	67	167020	23.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.48%
37) Toluene-d8	10.33	98	572187	23.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.92%
38) trans-1,3-Dichloropropene-	10.58	79	70515	21.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.60%
39) 2-Hexanone-d5	10.93	63	50175	39.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	133615	21.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	202697	23.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.92%

Target Compounds

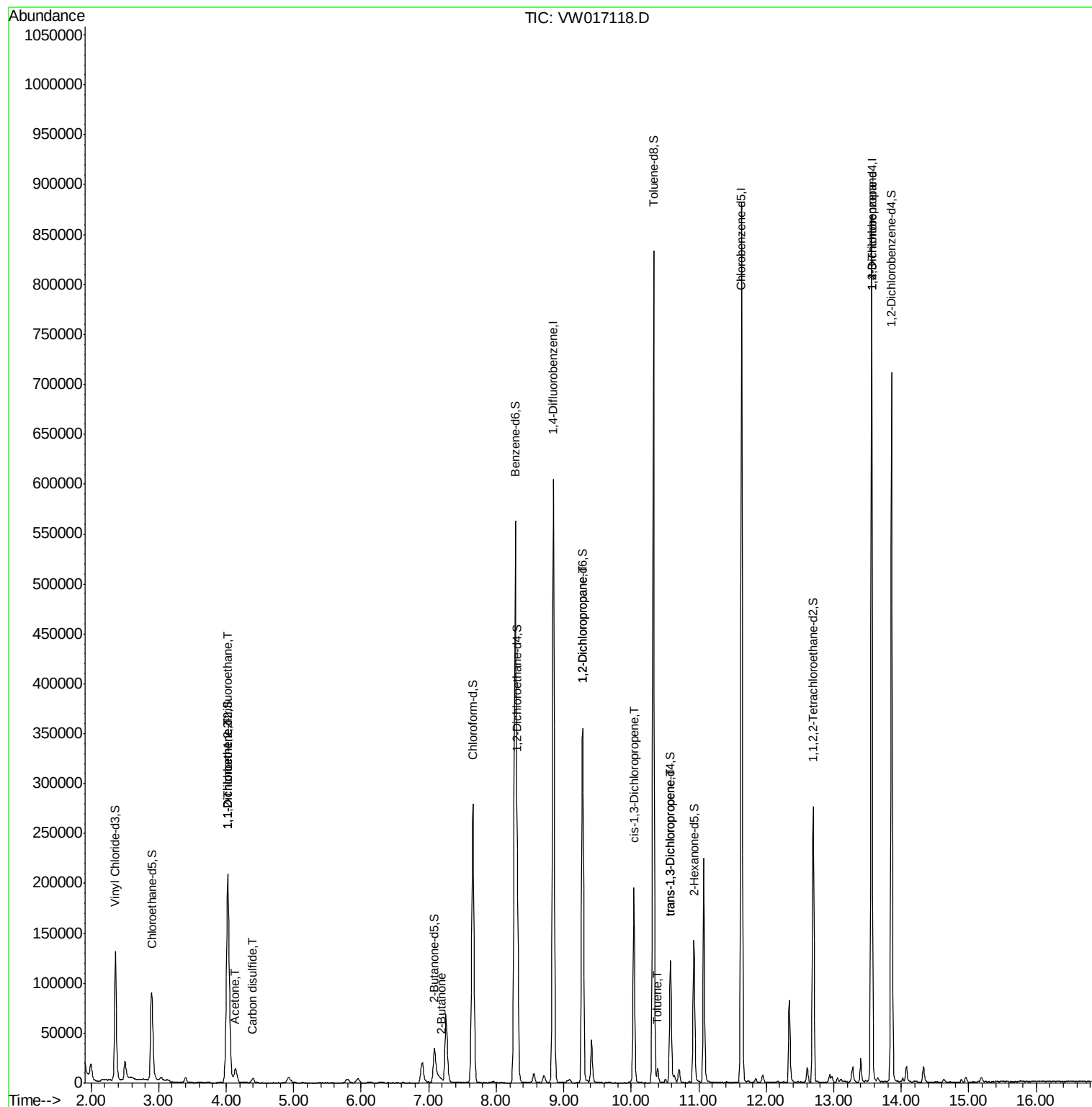
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	2193	0.308	ug/L #	17
12) 1,1-Dichloroethene	4.03	96	1875	0.273	ug/L #	1
13) Acetone	4.14	43	25179	24.167	ug/L	99
14) Carbon disulfide	4.39	76	9457	0.507	ug/L #	93
21) 2-Butanone	7.19	43	3440	2.056	ug/L	90
40) 1,2-Dichloropropane	9.28	63	18985	3.015	ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	5137	0.515	ug/L #	73
44) Toluene	10.39	91	10254	0.346	ug/L	96
45) trans-1,3-Dichloropropene	10.58	75	3193	0.373	ug/L	87
59) 1,2,3-Trichloropropane	13.56	75	24657	5.470	ug/L	89

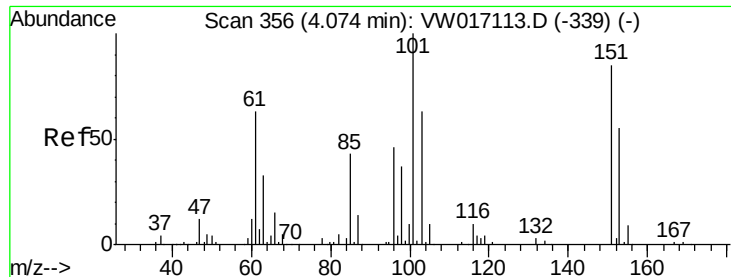
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 10 07:59:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 10 07:51:56 2020
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.308 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.05 min

Lab File: VW017118.D

Acq: 09 Nov 2020 16:19

Instrument :

MSVOA_W

ClientSampled :

GB0S2

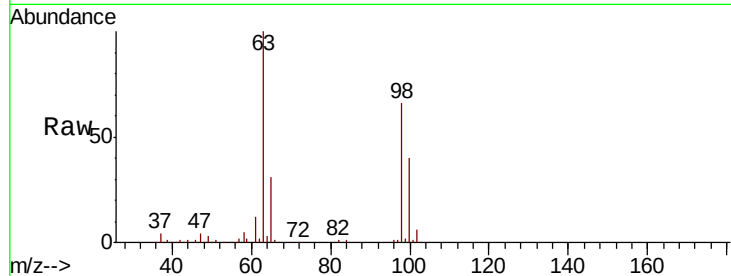
Tot Ion:101 Resp: 2193

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

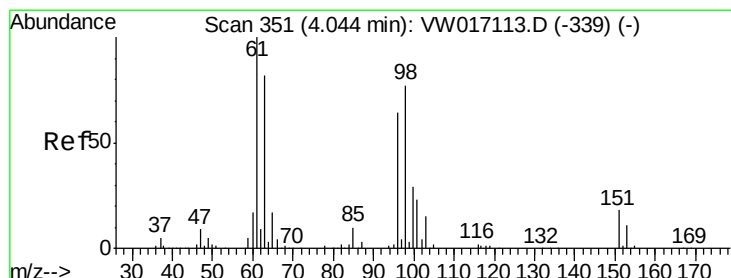
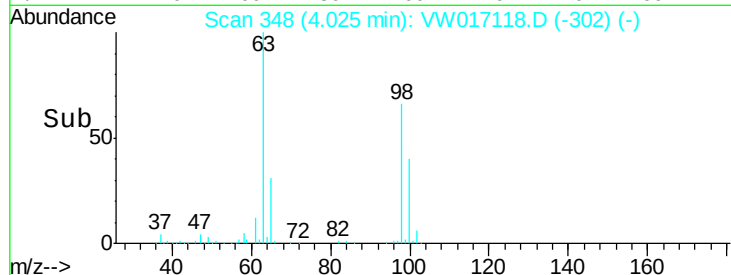
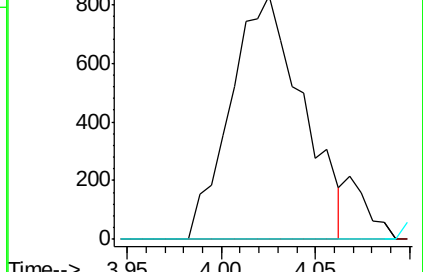
151 0.0 65.4 98.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.273 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW017118.D

Acq: 09 Nov 2020 16:19

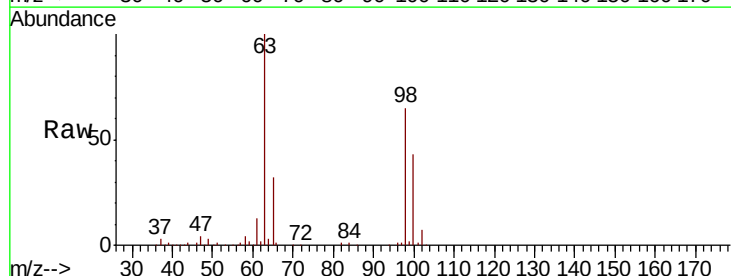
Tgt Ion: 96 Resp: 1875

Ion Ratio Lower Upper

96 100

61 1119.7 103.8 192.8#

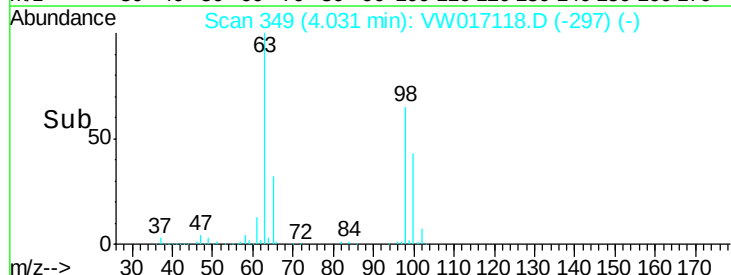
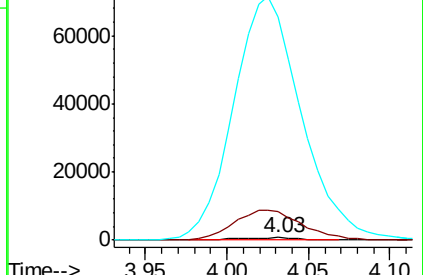
63 8602.1 84.4 156.7#

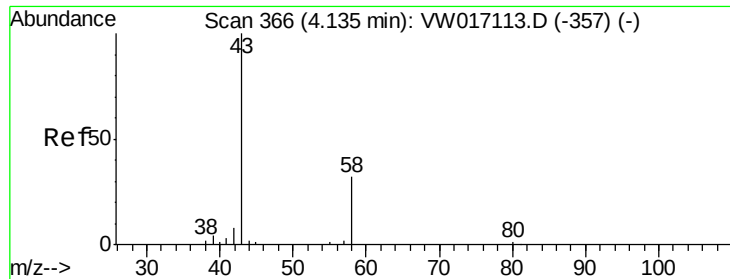


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 24.167 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017118.D

Acq: 09 Nov 2020 16:19

Instrument :

MSVOA_W

ClientSampled :

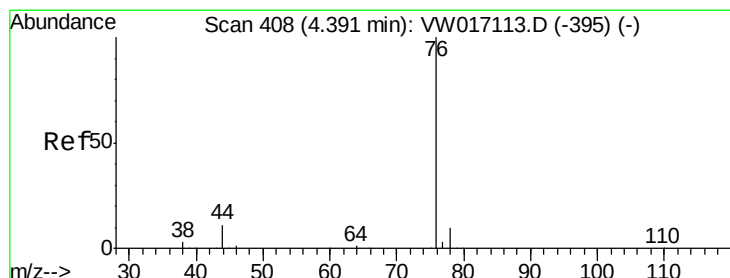
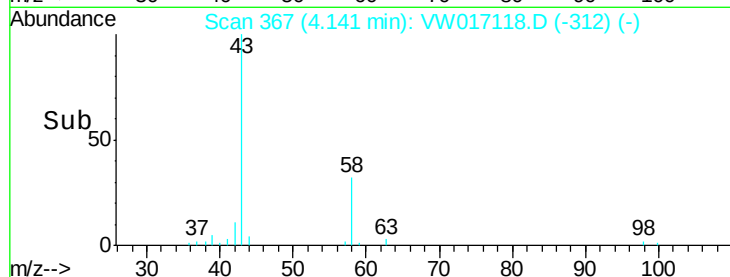
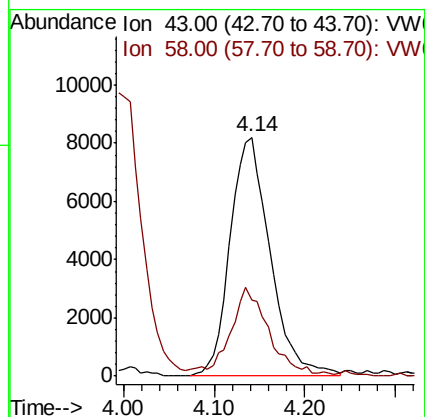
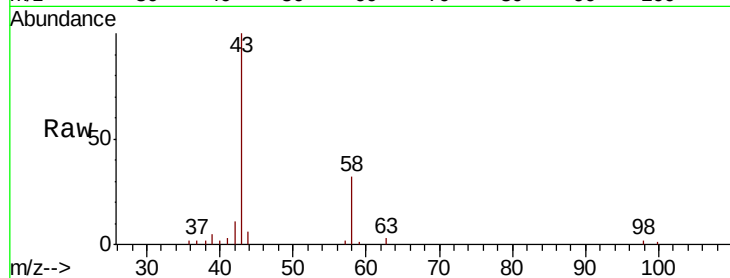
GB0S2

Tot Ion: 43 Resp: 25179

Ion Ratio Lower Upper

43 100

58 34.0 0.0 69.2



#14

Carbon disulfide

Concen: 0.507 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017118.D

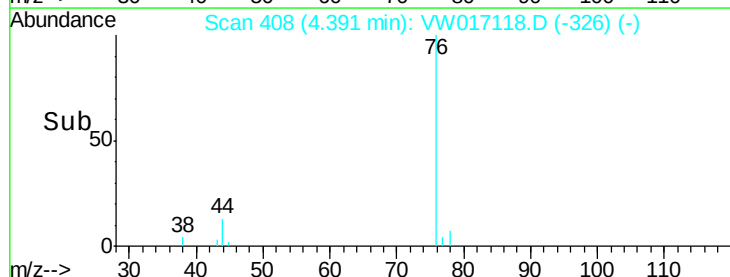
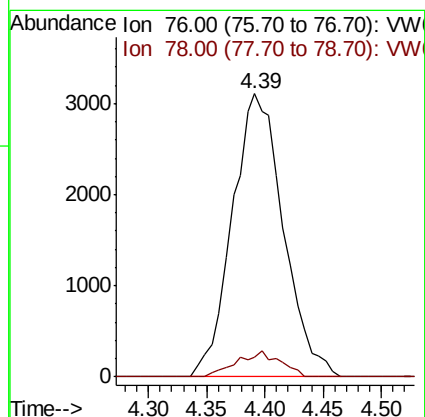
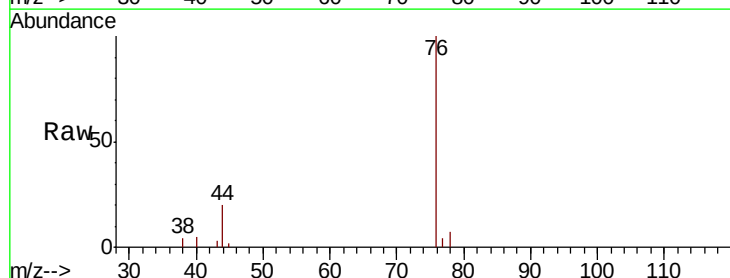
Acq: 09 Nov 2020 16:19

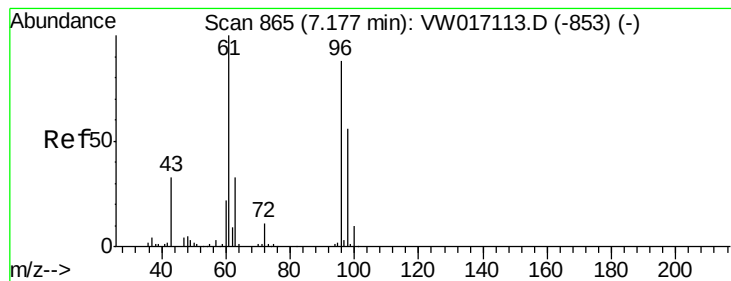
Tgt Ion: 76 Resp: 9457

Ion Ratio Lower Upper

76 100

78 6.9 7.6 11.4#





#21

2-Butanone

Concen: 2.056 ug/L

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW017118.D

Acq: 09 Nov 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

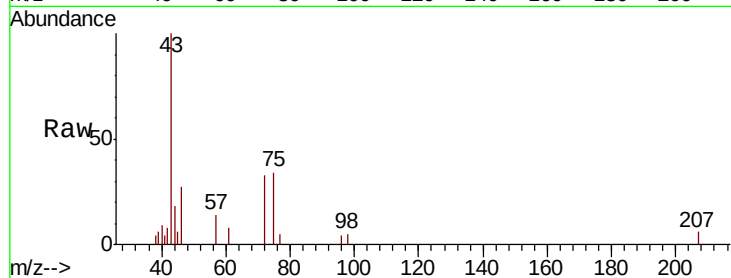
GB0S2

Tot Ion: 43 Resp: 3440

Ion Ratio Lower Upper

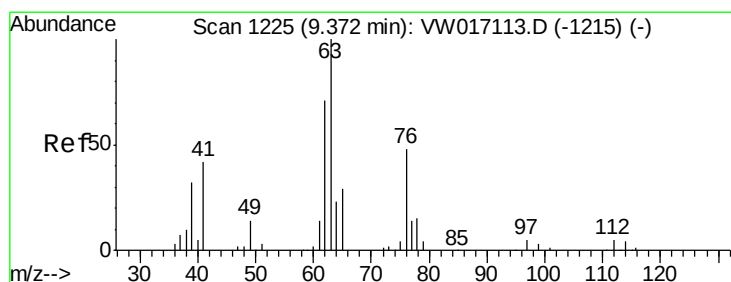
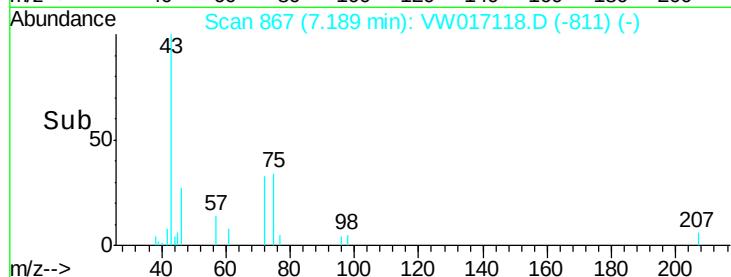
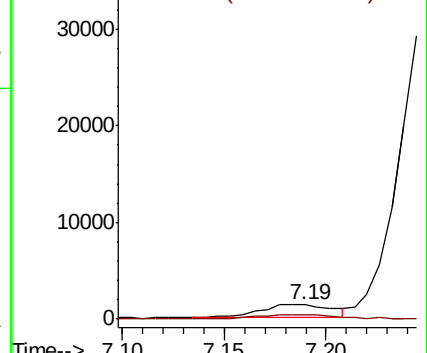
43 100

72 37.6 16.1 48.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#40

1,2-Dichloropropane

Concen: 3.015 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW017118.D

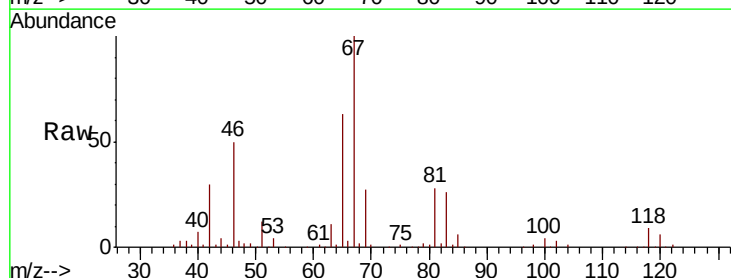
Acq: 09 Nov 2020 16:19

Tgt Ion: 63 Resp: 18985

Ion Ratio Lower Upper

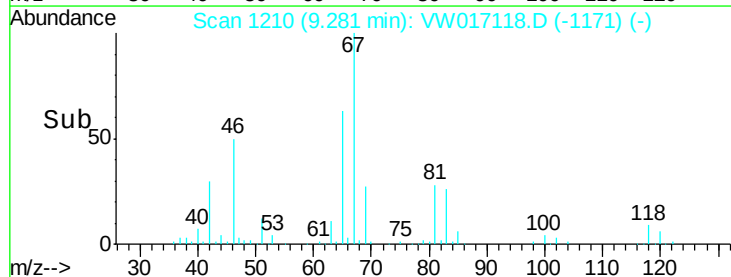
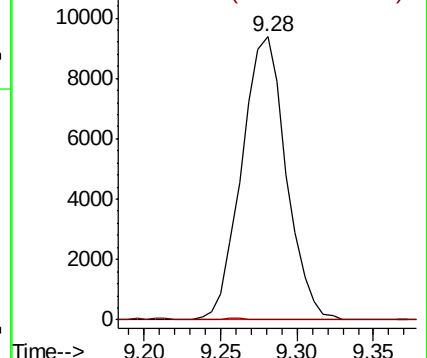
63 100

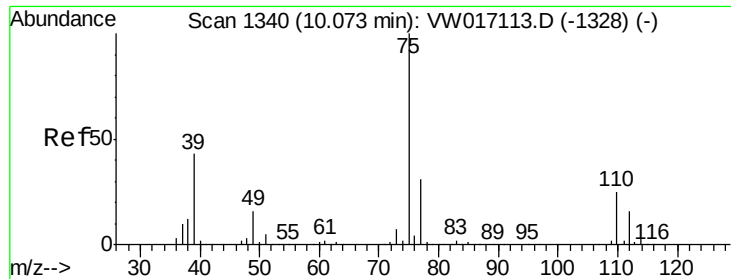
112 0.3 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.515 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017118.D

Acq: 09 Nov 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

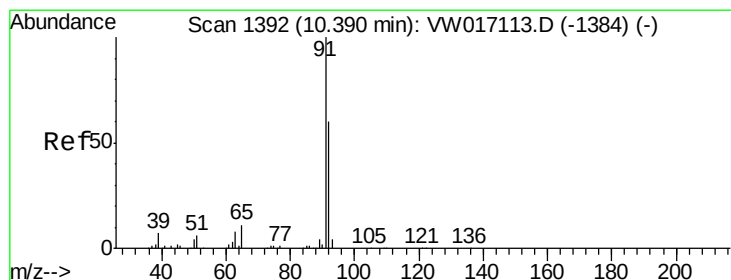
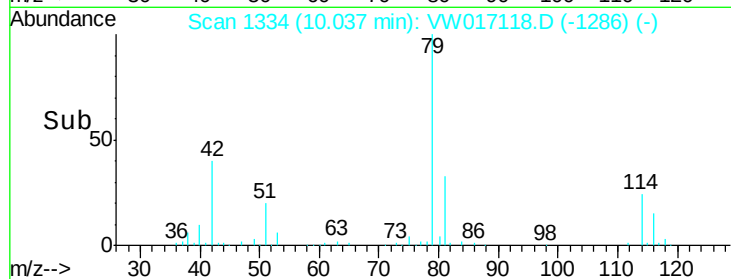
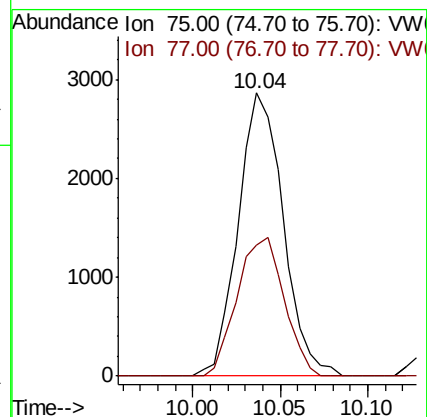
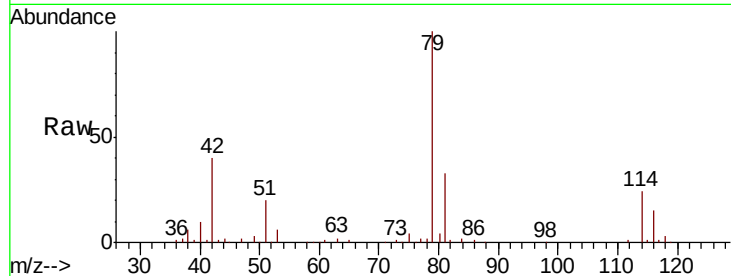
GB0S2

Tot Ion: 75 Resp: 5137

Ion Ratio Lower Upper

75 100

77 46.3 22.0 41.0#



#44

Toluene

Concen: 0.346 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017118.D

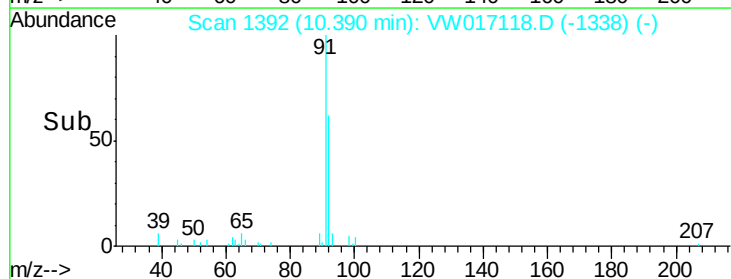
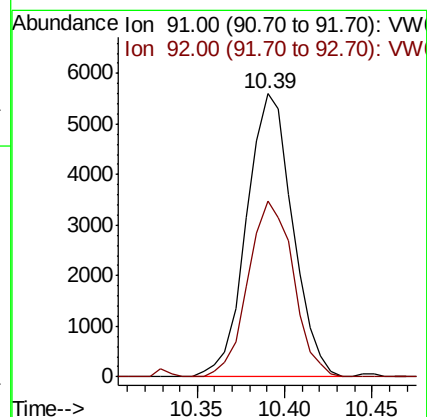
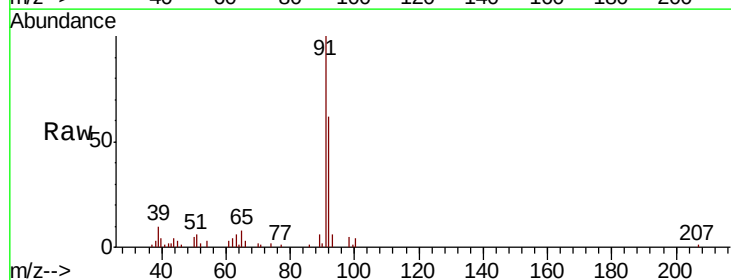
Acq: 09 Nov 2020 16:19

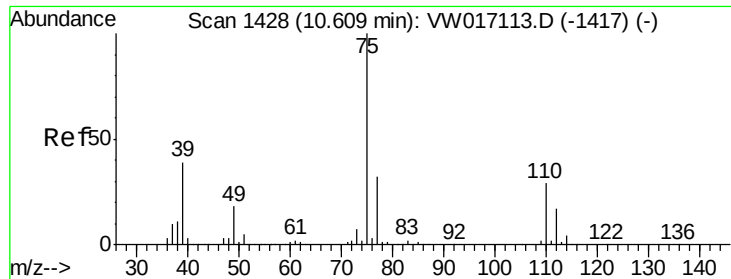
Tgt Ion: 91 Resp: 10254

Ion Ratio Lower Upper

91 100

92 62.3 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 0.373 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017118.D

Acq: 09 Nov 2020 16:19

Instrument :

MSVOA_W

ClientSampled :

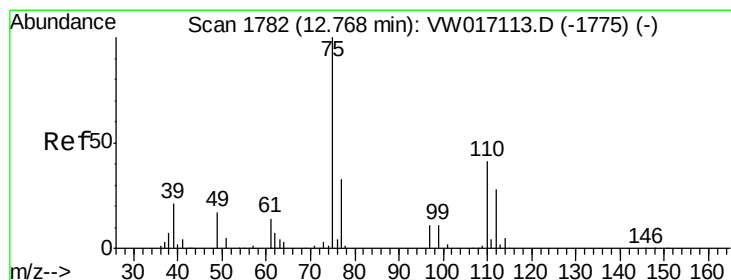
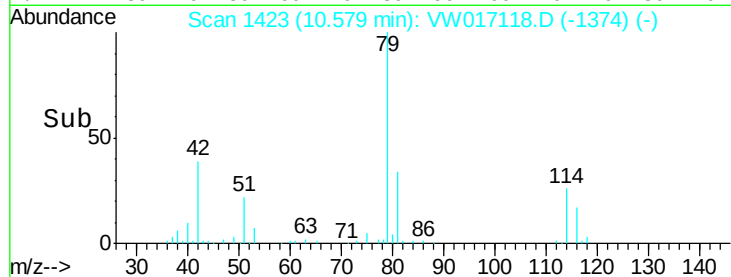
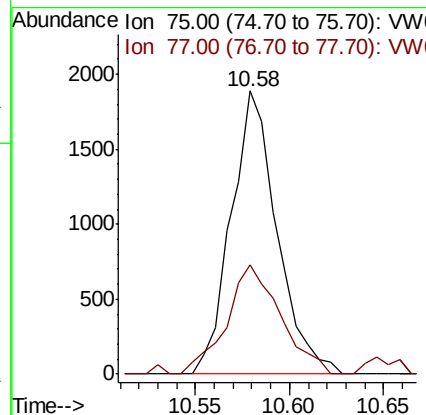
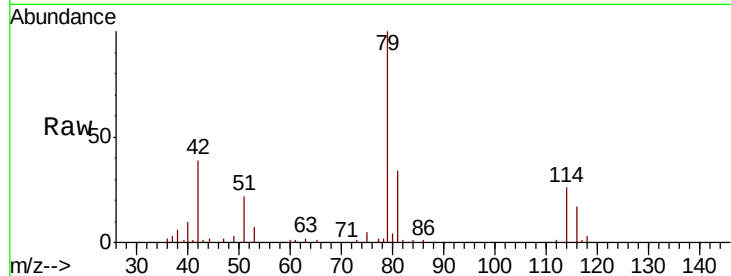
GB0S2

Tot Ion: 75 Resp: 3193

Ion Ratio Lower Upper

75 100

77 38.8 22.1 41.1



#59

1,2,3-Trichloropropane

Concen: 5.470 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017118.D

Acq: 09 Nov 2020 16:19

Tgt Ion: 75 Resp: 24657

Ion Ratio Lower Upper

75 100

77 39.3 26.4 39.6

