

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\
 Data File : VW017300.D
 Acq On : 17 Nov 2020 21:35
 Operator : SY/VA
 Sample : L4738-06
 Misc : 5.28G/10ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB0X3

Quant Time: Nov 18 04:51:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 04:50:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	377421	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	315128	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	114758	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	87992	18.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.04%
7) Chloroethane-d5	2.89	69	79014	21.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.28%
10) 1,1-Dichloroethene-d2	4.02	63	131796	15.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.00%
20) 2-Butanone-d5	7.08	46	54962	51.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.40%
24) Chloroform-d	7.65	84	211241	23.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.92%
26) 1,2-Dichloroethane-d4	8.31	65	113416	25.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.56%
29) Benzene-d6	8.27	84	400011	24.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.72%
33) 1,2-Dichloropropane-d6	9.27	67	113861	25.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.60%
37) Toluene-d8	10.32	98	352673	23.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.24%
38) trans-1,3-Dichloropropene-	10.58	79	44885	22.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.72%
39) 2-Hexanone-d5	10.93	63	42657	55.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	96812	25.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	97136	24.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	1377	0.283	ug/L #	17
13) Acetone	4.12	43	16269	22.856	ug/L	94
14) Carbon disulfide	4.39	76	2725	0.214	ug/L #	92
16) Methylene chloride	4.92	84	9540	1.875	ug/L	94
21) 2-Butanone	7.18	43	3152	2.758	ug/L	86
22) cis-1,2-Dichloroethene	7.18	96	20576	4.013	ug/L	94
30) Cyclohexane	7.96	56	4118	0.694	ug/L	97
34) Benzene	8.32	78	28473	1.721	ug/L	100
35) Trichloroethene	9.09	95	97851	21.110	ug/L	98
36) Methylcyclohexane	9.34	83	4314	0.578	ug/L	96
42) cis-1,3-Dichloropropene	10.04	75	3582	0.585	ug/L #	82
44) Toluene	10.39	91	21385	1.174	ug/L	93
45) trans-1,3-Dichloropropene	10.58	75	2160	0.411	ug/L #	80
54) m,p-Xylene	11.84	106	2198	0.276	ug/L	99
59) 1,2,3-Trichloropropane	13.56	75	12225	4.414	ug/L	91

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Quant Title : VOC Analysis
QLast Update : Wed Nov 18 04:50:20 2020
Response via : Initial Calibration

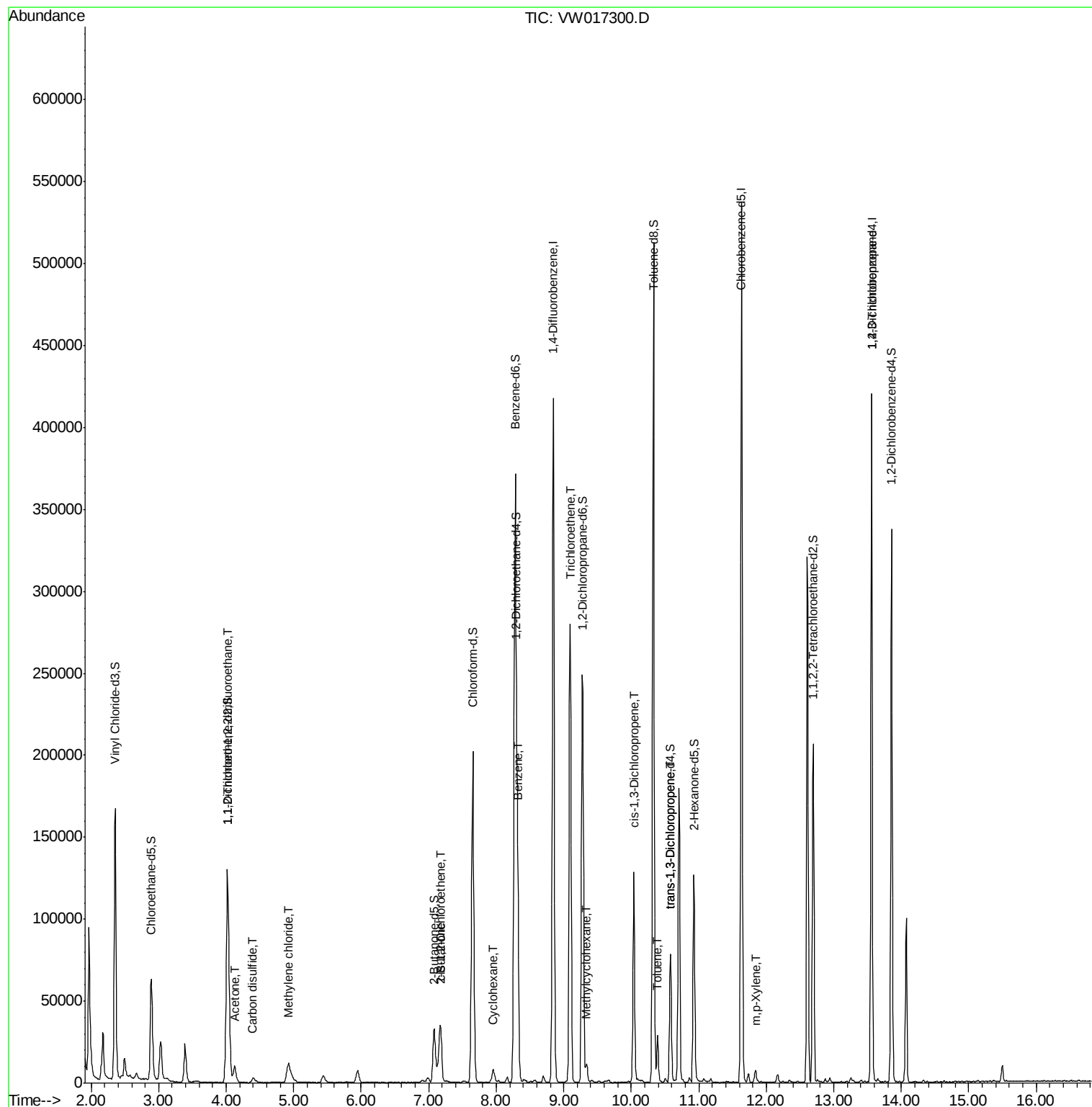
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

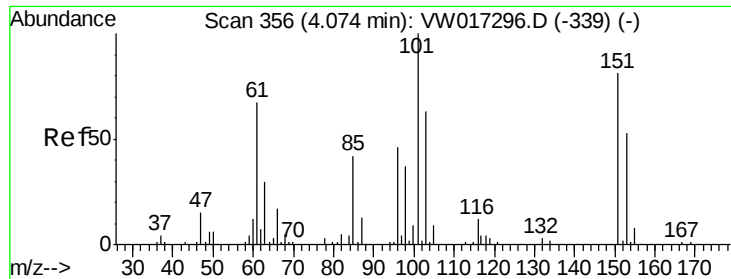
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW11720\
Data File : VW017300.D
Acq On : 17 Nov 2020 21:35
Operator : SY/VA
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Misc : 5.28G/10ML/MSVOA W/SOIL
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GB0X3

Quant Time: Nov 18 04:51:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 18 04:50:20 2020
Response via : Initial Calibration





#11

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

Concen: 0.283 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW017300.D

Acq: 17 Nov 2020 21:35

Instrument :

MSVOA_W

ClientSampled :

GB0X3

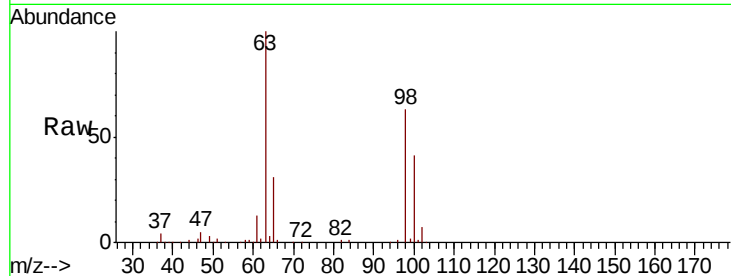
Tot Ion:101 Resp: 1377

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

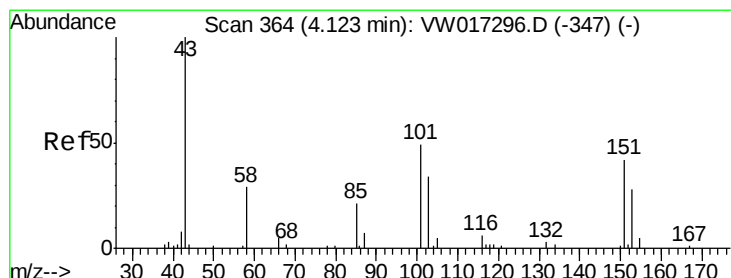
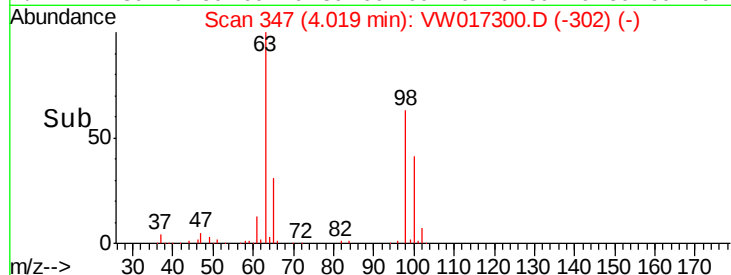
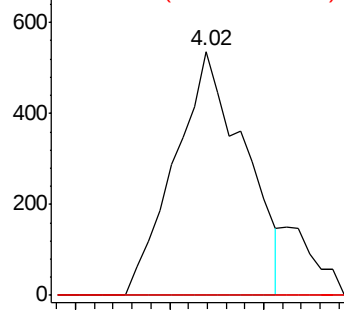
151 0.0 65.4 98.2#



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



#13

Acetone

Concen: 22.856 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW017300.D

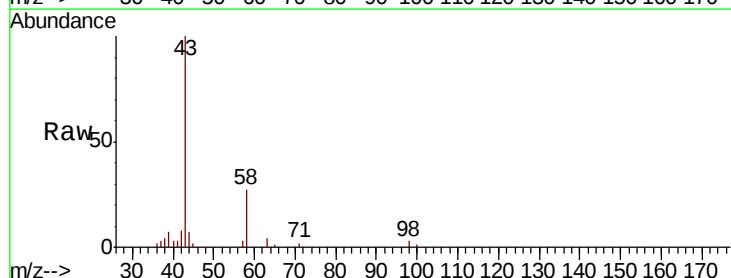
Acq: 17 Nov 2020 21:35

Tgt Ion: 43 Resp: 16269

Ion Ratio Lower Upper

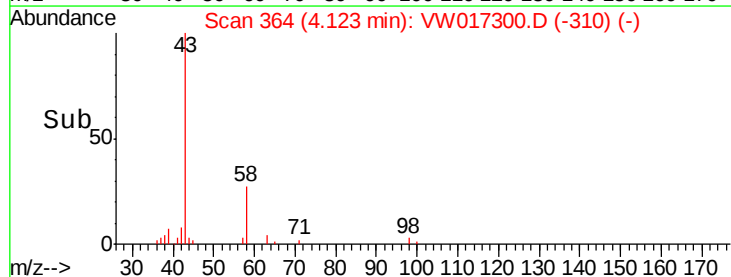
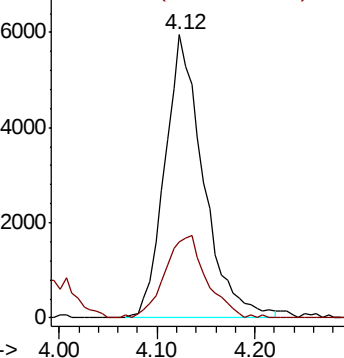
43 100

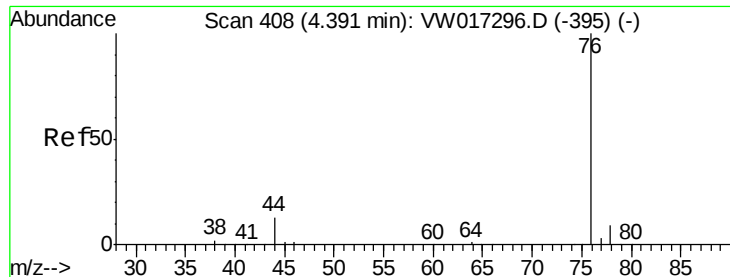
58 30.9 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 0.214 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017300.D

Acq: 17 Nov 2020 21:35

Instrument :

MSVOA_W

ClientSampleId :

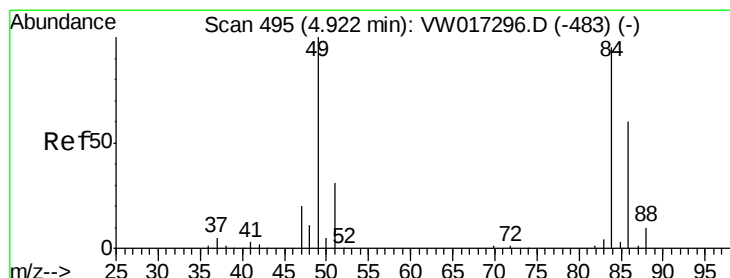
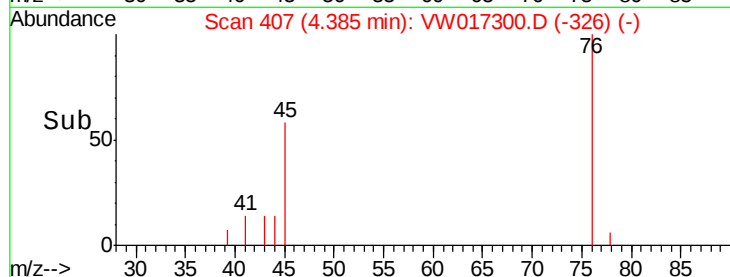
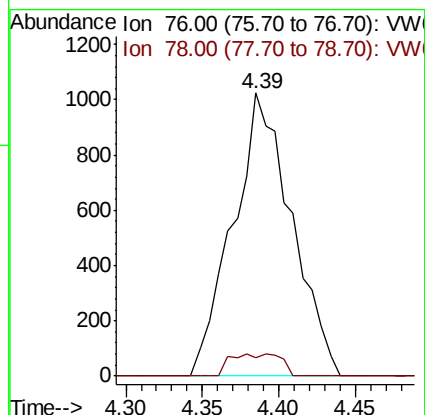
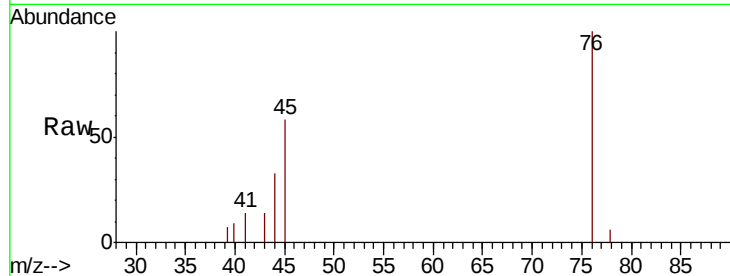
GB0X3

Tot Ion: 76 Resp: 2725

Ion Ratio Lower Upper

76 100

78 6.4 7.6 11.4#



#16

Methylene chloride

Concen: 1.875 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW017300.D

Acq: 17 Nov 2020 21:35

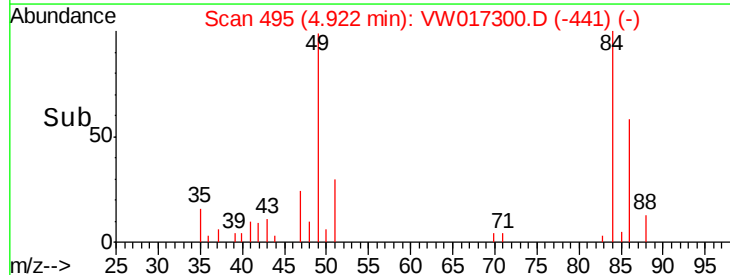
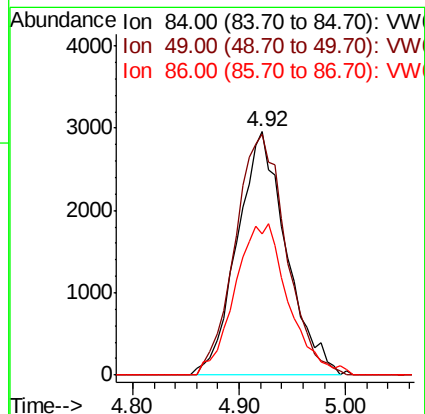
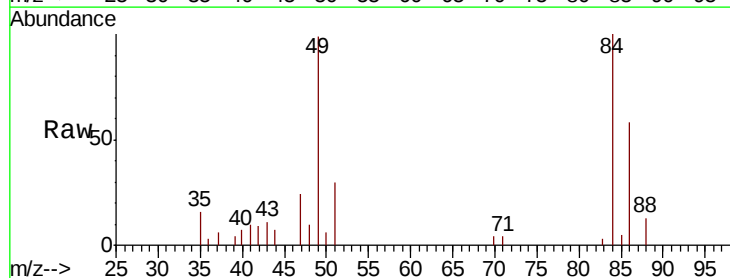
Tgt Ion: 84 Resp: 9540

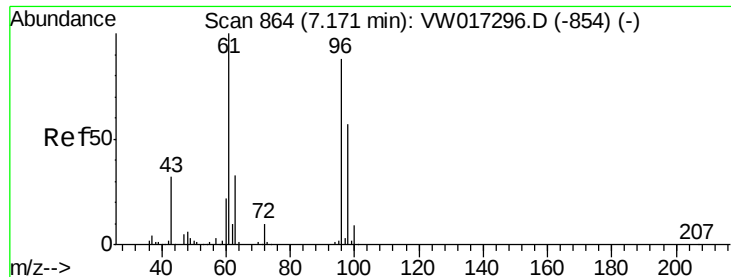
Ion Ratio Lower Upper

84 100

49 99.1 72.3 134.3

86 58.0 45.1 83.7





#21

2-Butanone

Concen: 2.758 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW017300.D

Acq: 17 Nov 2020 21:35

Instrument :

MSVOA_W

ClientSampled :

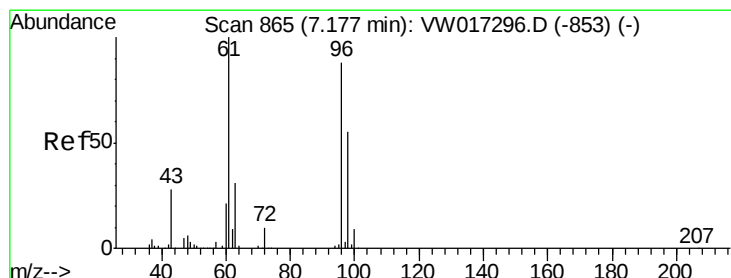
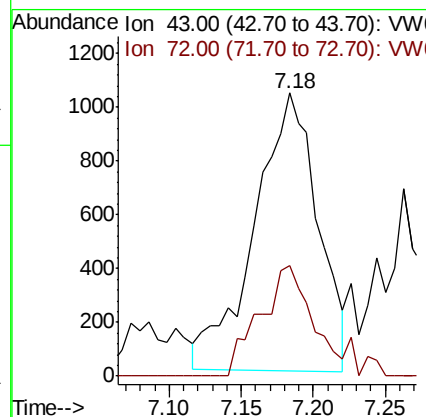
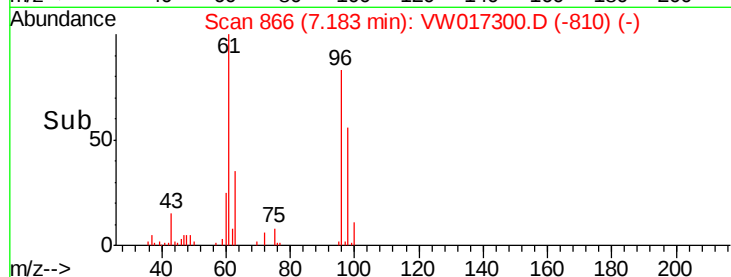
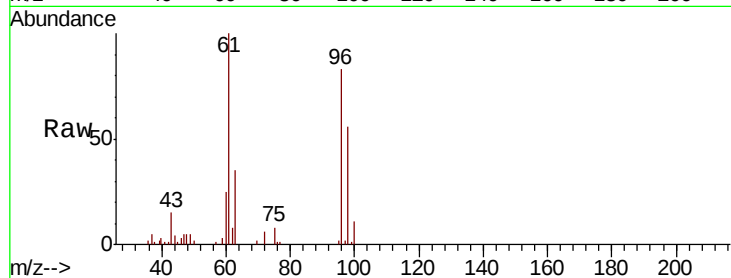
GB0X3

Tot Ion: 43 Resp: 3152

Ion Ratio Lower Upper

43 100

72 24.4 16.1 48.3



#22

cis-1,2-Dichloroethene

Concen: 4.013 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW017300.D

Acq: 17 Nov 2020 21:35

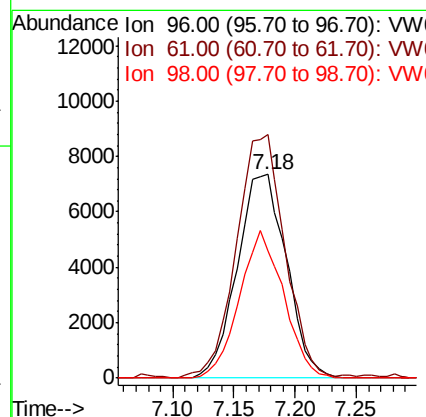
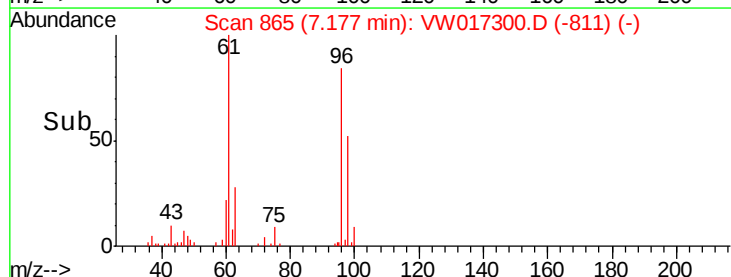
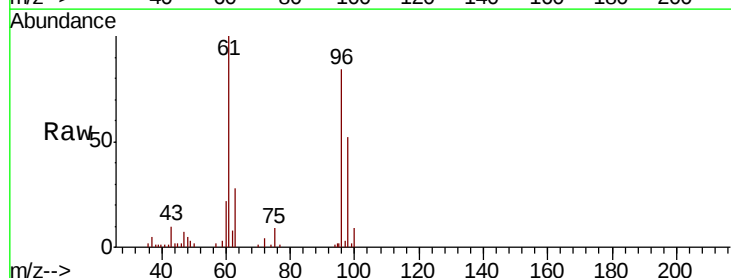
Tgt Ion: 96 Resp: 20576

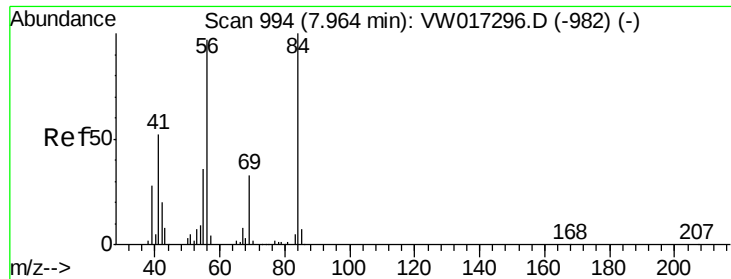
Ion Ratio Lower Upper

96 100

61 119.7 77.4 143.8

98 62.5 45.1 83.7

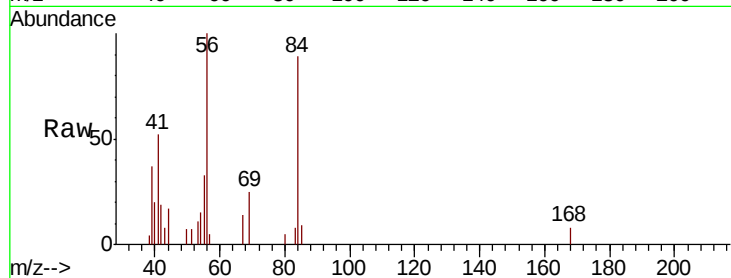




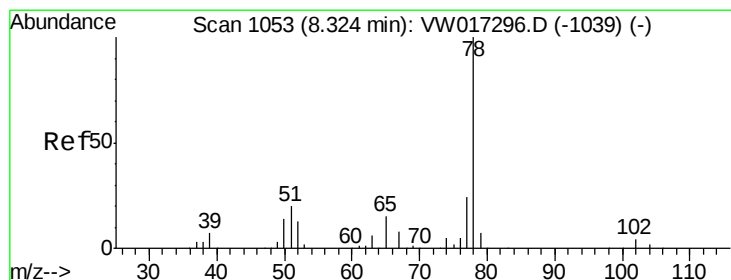
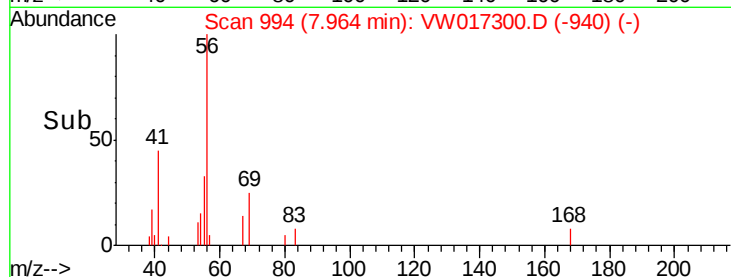
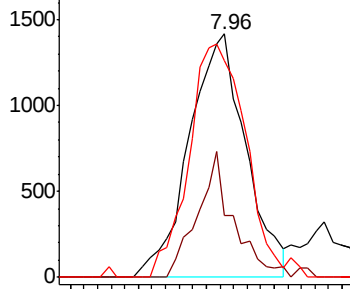
#30
Cyclohexane
Concen: 0.694 ug/L
RT: 7.96 min Scan# 994
Delta R.T. -0.00 min
Lab File: VW017300.D
Acq: 17 Nov 2020 21:35

Instrument :
MSVOA_W
ClientSampleId :
GB0X3

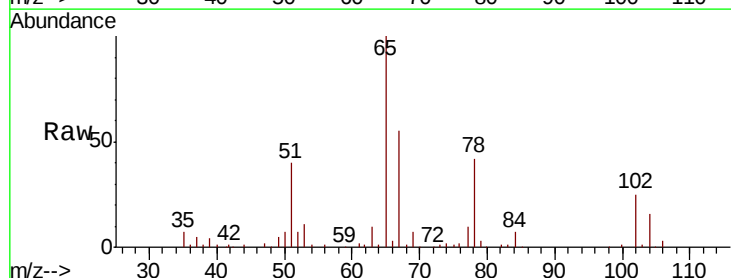
Tot Ion: 56 Resp: 4118
Ion Ratio Lower Upper
56 100
69 32.2 26.1 39.1
84 95.3 79.1 118.7



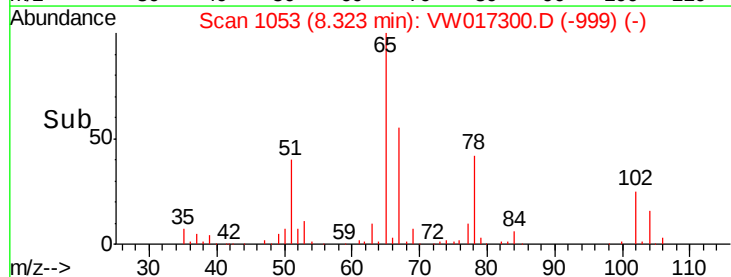
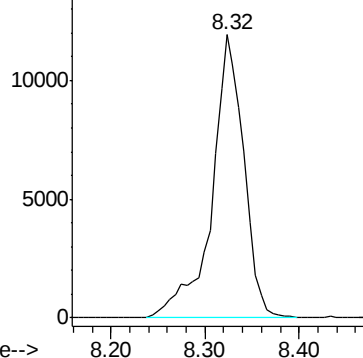
Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

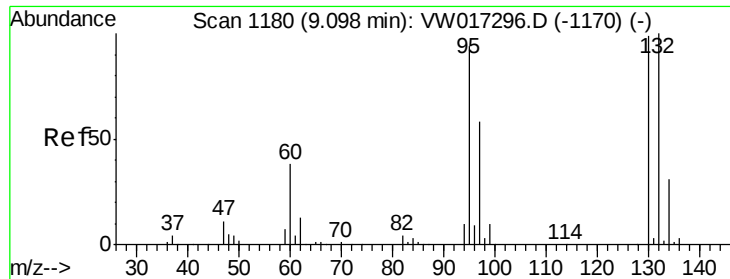


#34
Benzene
Concen: 1.721 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW017300.D
Acq: 17 Nov 2020 21:35
Tgt Ion: 78 Resp: 28473



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 21.110 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW017300.D

Acq: 17 Nov 2020 21:35

Instrument :

MSVOA_W

ClientSampleId :

GB0X3

Tot Ion: 95 Resp: 97851

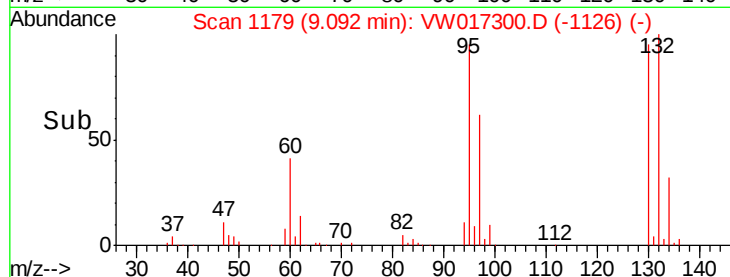
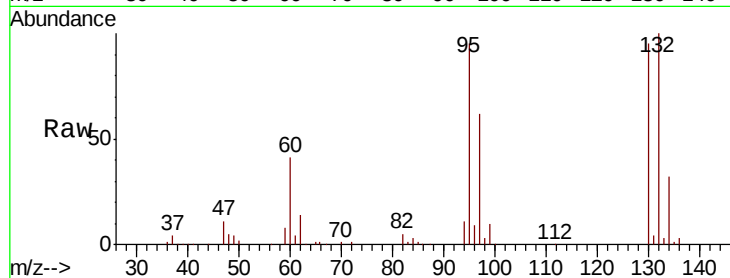
Ion Ratio Lower Upper

95 100

97 65.9 45.0 83.6

132 107.5 73.7 136.9

130 107.3 77.1 143.1

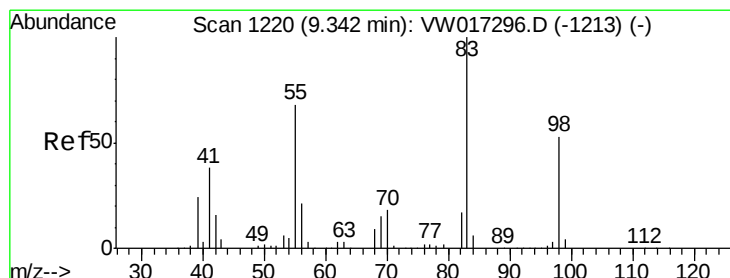
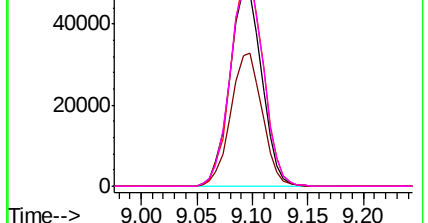


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#36

Methylcyclohexane

Concen: 0.578 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VW017300.D

Acq: 17 Nov 2020 21:35

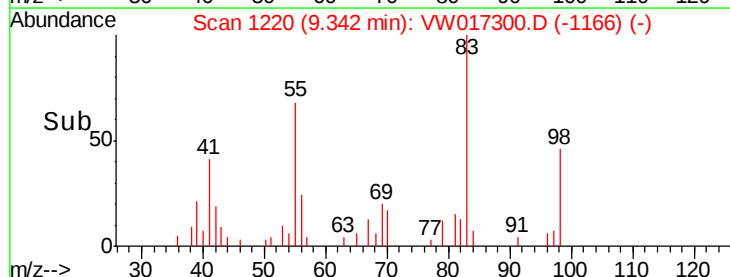
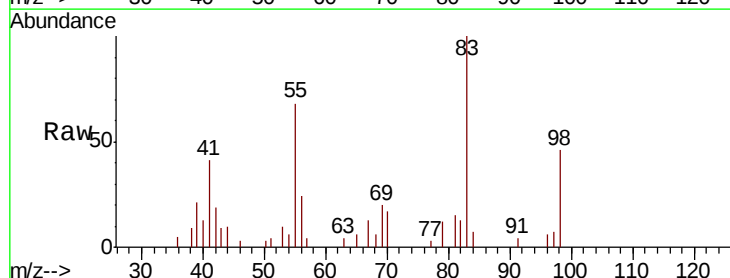
Tgt Ion: 83 Resp: 4314

Ion Ratio Lower Upper

83 100

55 73.1 54.4 81.6

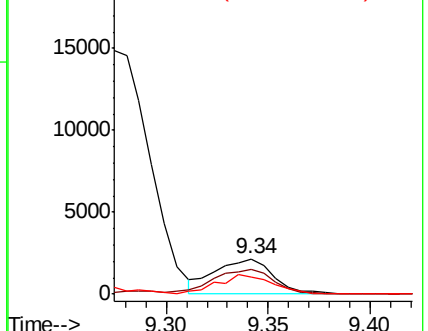
98 51.0 40.5 60.7

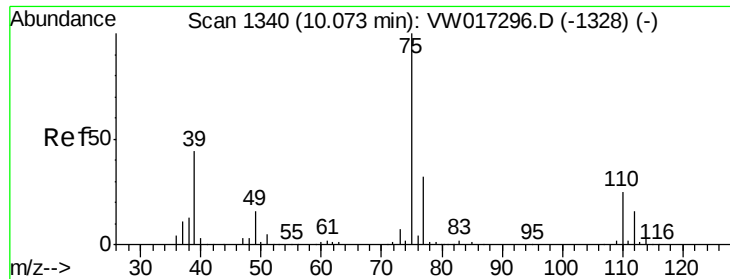


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.585 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW017300.D

Acq: 17 Nov 2020 21:35

Instrument :

MSVOA_W

ClientSampled :

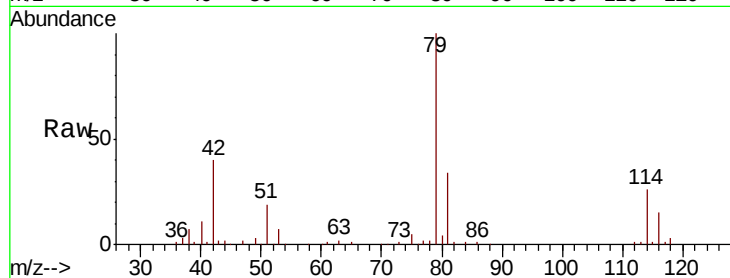
GB0X3

Tot Ion: 75 Resp: 3582

Ion Ratio Lower Upper

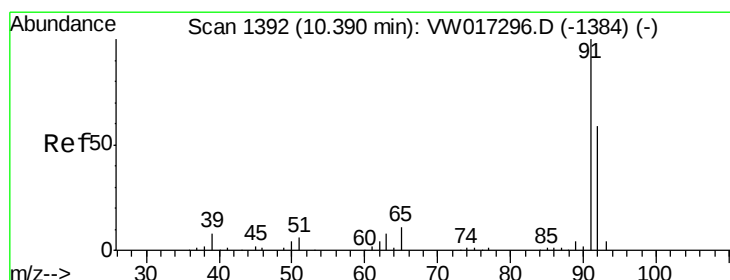
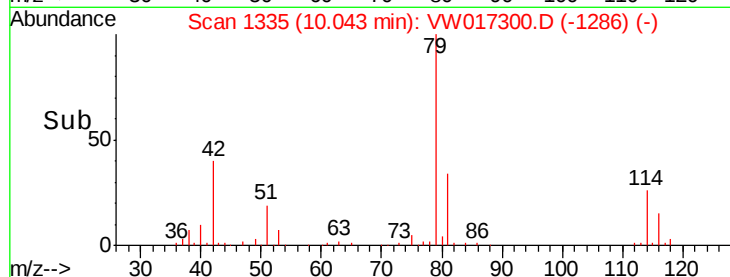
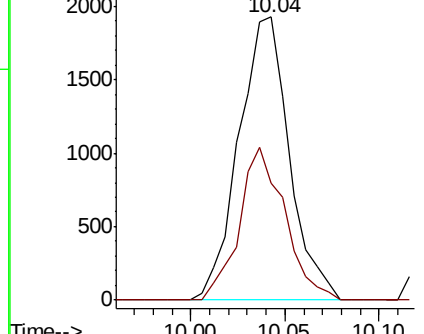
75 100

77 41.2 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#44

Toluene

Concen: 1.174 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017300.D

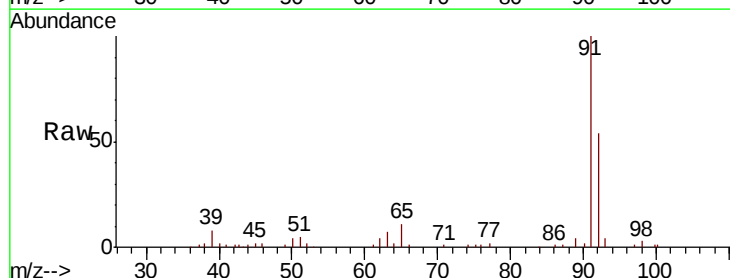
Acq: 17 Nov 2020 21:35

Tgt Ion: 91 Resp: 21385

Ion Ratio Lower Upper

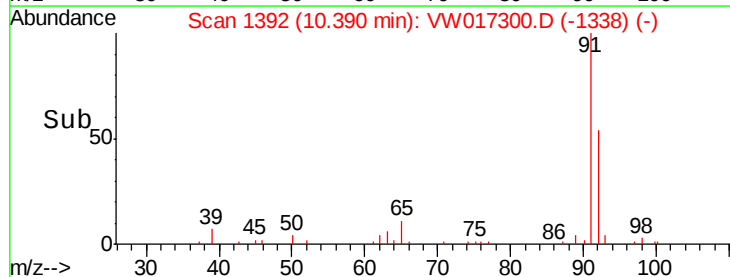
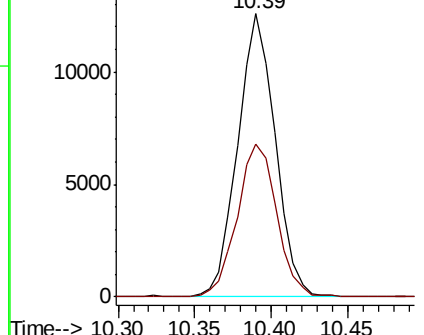
91 100

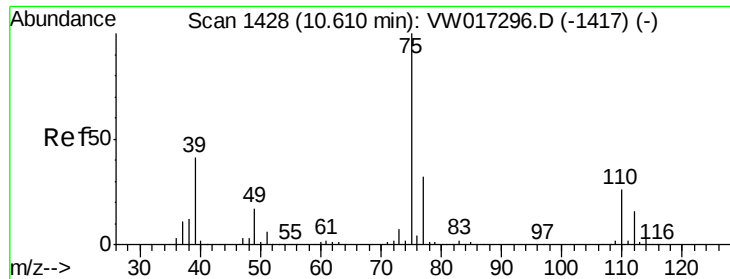
92 54.0 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.411 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017300.D

Acq: 17 Nov 2020 21:35

Instrument :

MSVOA_W

ClientSampled :

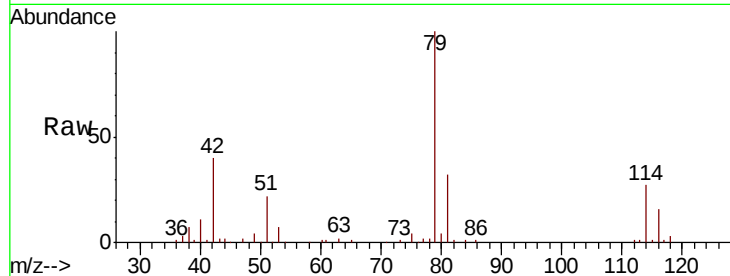
GB0X3

Tot Ion: 75 Resp: 2160

Ion Ratio Lower Upper

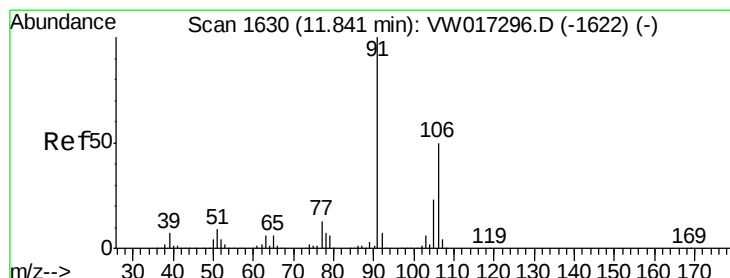
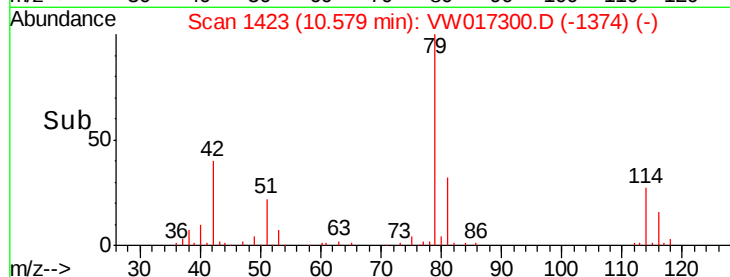
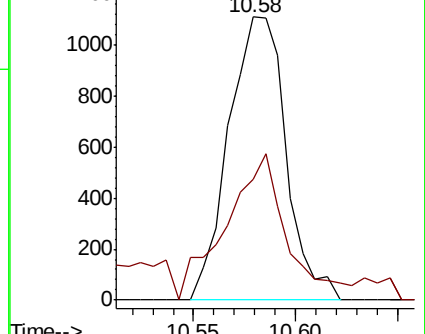
75 100

77 42.5 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#54

m,p-Xylene

Concen: 0.276 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW017300.D

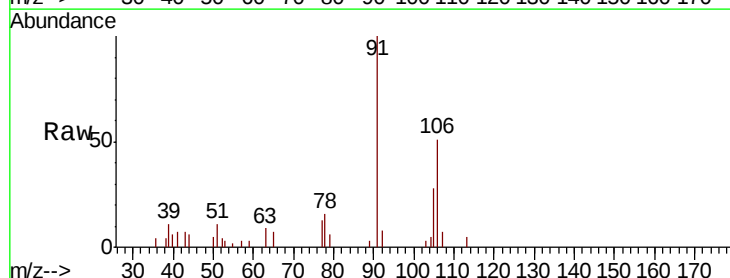
Acq: 17 Nov 2020 21:35

Tgt Ion:106 Resp: 2198

Ion Ratio Lower Upper

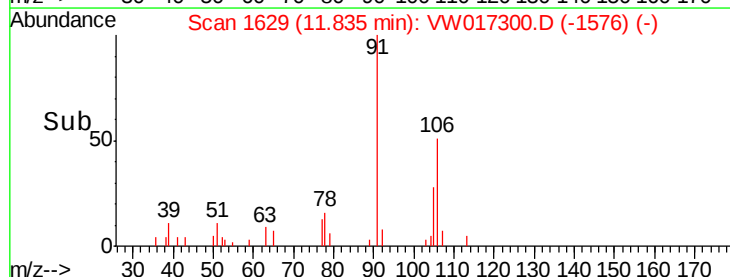
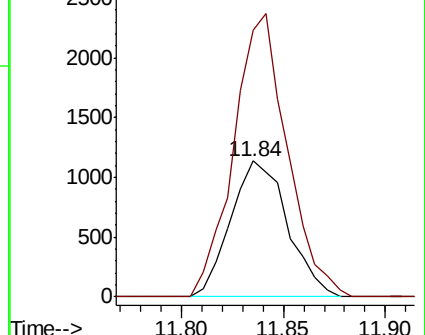
106 100

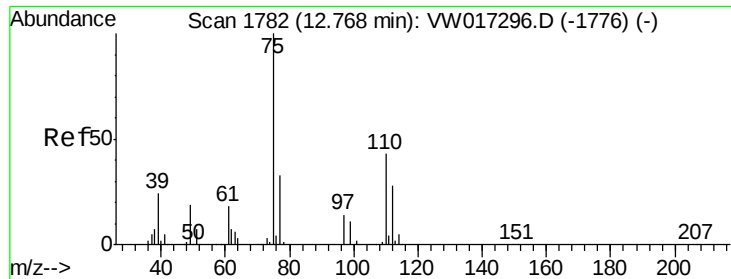
91 195.9 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#59

1,2,3-Trichloropropane

Concen: 4.414 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017300.D

Acq: 17 Nov 2020 21:35

Instrument :

MSVOA_W

ClientSampleId :

GB0X3

Tot Ion: 75 Resp: 12225

Ion Ratio Lower Upper

75 100

77 38.2 26.4 39.6

