

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\
 Data File : VW017311.D
 Acq On : 18 Nov 2020 01:53
 Operator : SY/VA
 Sample : L4738-17
 Misc : 3.42G/10ML/MSVOA W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB0Y4

Quant Time: Nov 18 04:53:26 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	8.84	114	349879	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	232401	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	41713	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	84884	19.26	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.04%
7) Chloroethane-d5	2.89	69	78899	23.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.92%
10) 1,1-Dichloroethene-d2	4.02	63	118691	15.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.24%
20) 2-Butanone-d5	7.08	46	57677	58.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.04%
24) Chloroform-d	7.65	84	197663	24.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	8.31	65	117526	28.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	115.76%
29) Benzene-d6	8.27	84	374373	31.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	126.52%
33) 1,2-Dichloropropane-d6	9.27	67	114723	35.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	140.20%#
37) Toluene-d8	10.32	98	287263	25.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.96%
38) trans-1,3-Dichloropropene-	10.58	79	42117	28.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	114.16%
39) 2-Hexanone-d5	10.93	63	47206	82.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	165.26%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	92448	32.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	129.68%#
61) 1,2-Dichlorobenzene-d4	13.85	152	36681	24.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.13	43	10312	15.627	ug/L	94
14) Carbon disulfide	4.39	76	3766	0.319	ug/L #	88
16) Methylene chloride	4.92	84	12167	2.579	ug/L	97
21) 2-Butanone	7.19	43	2184	2.061	ug/L	88
30) Cyclohexane	7.96	56	2426	0.554	ug/L #	61
34) Benzene	8.32	78	11786	0.966	ug/L	100
35) Trichloroethene	8.84	95	10150	2.969	ug/L #	2
36) Methylcyclohexane	9.34	83	4977	0.905	ug/L	95
42) cis-1,3-Dichloropropene	10.04	75	3170	0.702	ug/L #	70
44) Toluene	10.39	91	29109	2.167	ug/L	96
45) trans-1,3-Dichloropropene	10.59	75	1930	0.497	ug/L #	71
53) Ethylbenzene	11.73	91	6802	0.453	ug/L	99
54) m,p-Xylene	11.83	106	3249	0.554	ug/L	74
55) o-xylene	12.17	106	1545	0.277	ug/L	95
59) 1,2,3-Trichloropropane	13.56	75	4653	2.278	ug/L	94

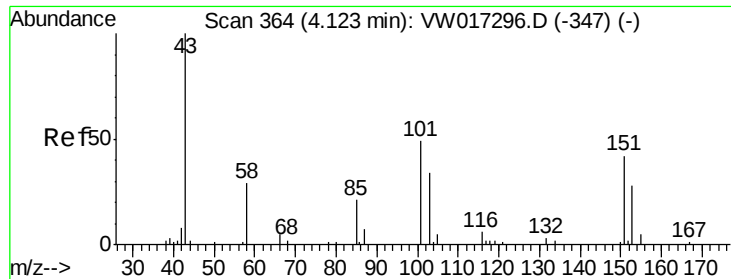
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\
Data File : VW017311.D
Acq On : 18 Nov 2020 01:53
Operator : SY/VA
Sample : L4738-17
Misc : 3.42G/10ML/MSVOA W/SOIL
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MSVOA_W
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GB0Y4

Quant Time: Nov 18 04:53:26 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)

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



#13

Acetone

Concen: 15.627 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW017311.D

Acq: 18 Nov 2020 01:53

Instrument :

MSVOA_W

ClientSampled :

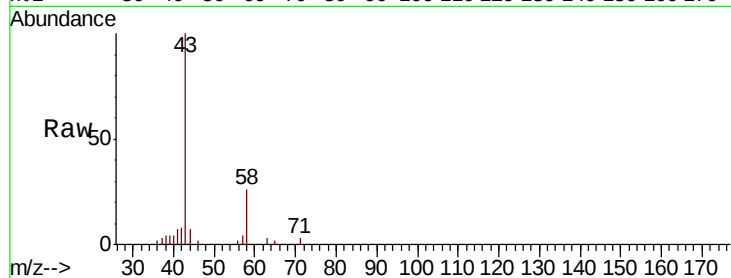
GB0Y4

Tot Ion: 43 Resp: 10312

Ion Ratio Lower Upper

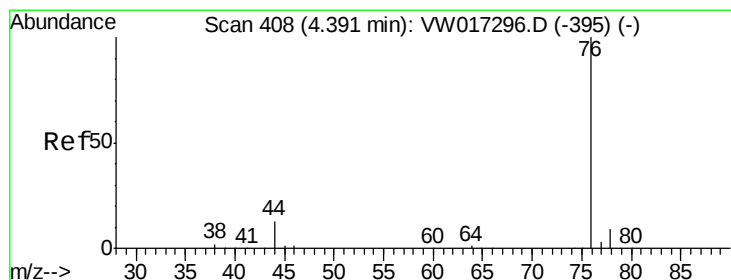
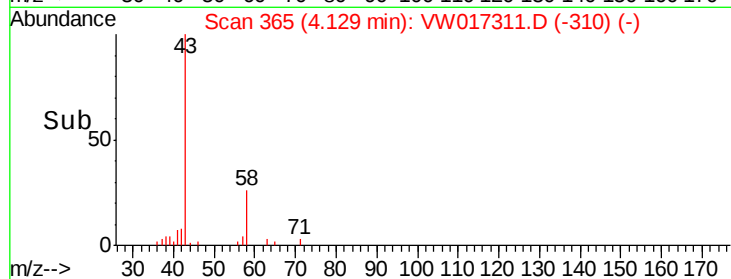
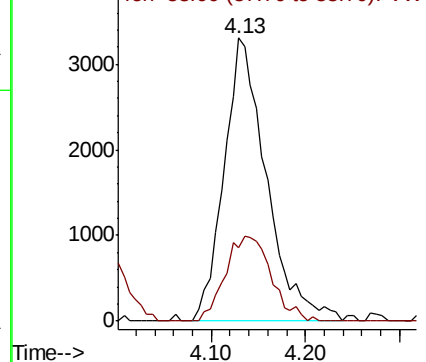
43 100

58 31.3 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: 0.319 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017311.D

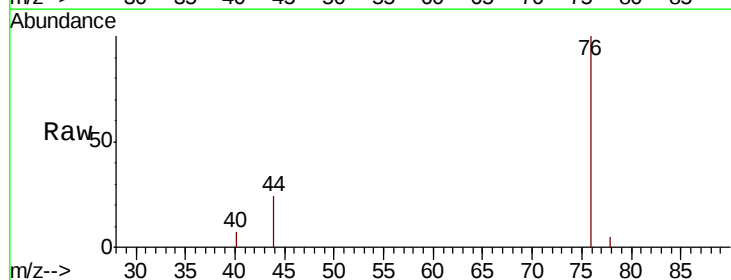
Acq: 18 Nov 2020 01:53

Tgt Ion: 76 Resp: 3766

Ion Ratio Lower Upper

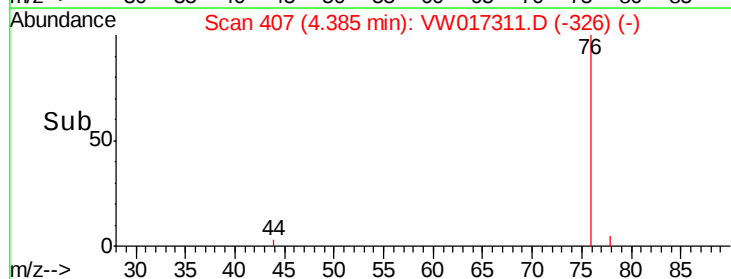
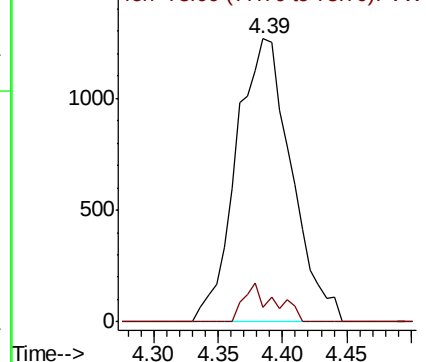
76 100

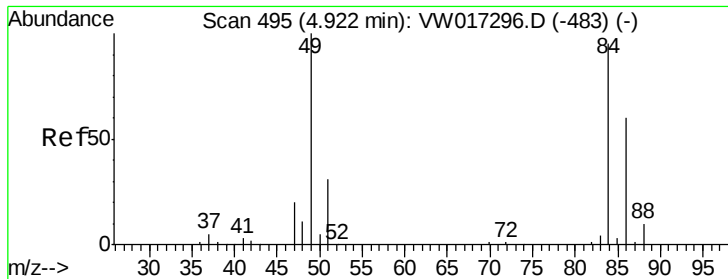
78 5.1 7.6 11.4#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

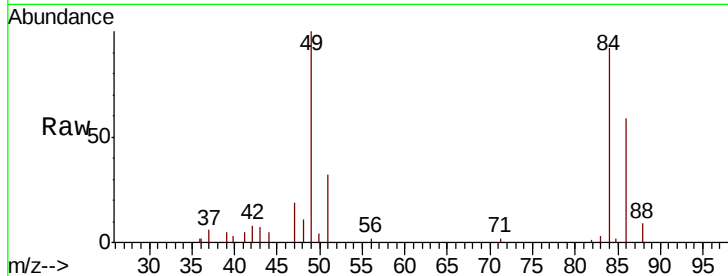




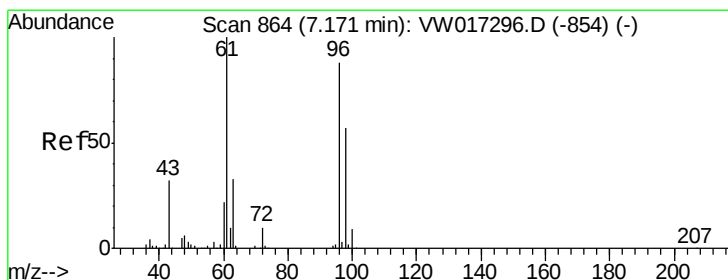
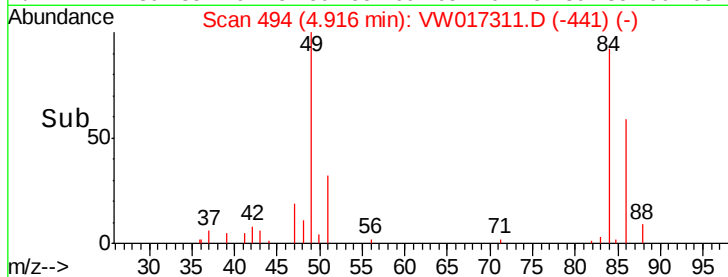
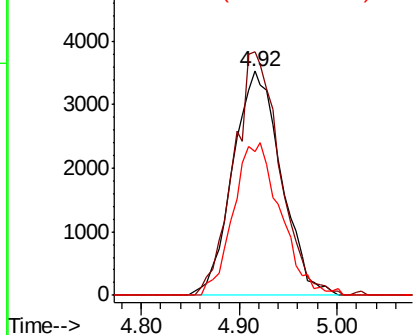
#16
Methvlene chloride
Concen: 2.579 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017311.D
Acq: 18 Nov 2020 01:53

Instrument :
MSVOA_W
ClientSampled :
GB0Y4

Tot Ion: 84 Resp: 12167
Ion Ratio Lower Upper
84 100
49 108.7 72.3 134.3
86 64.5 45.1 83.7

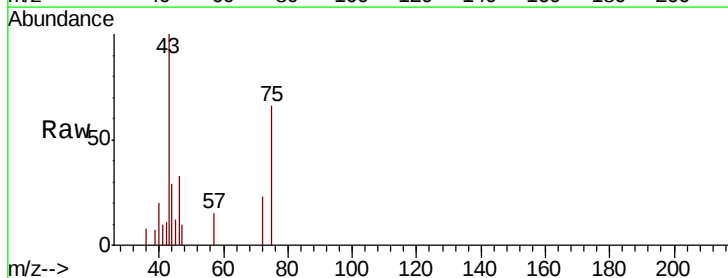


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

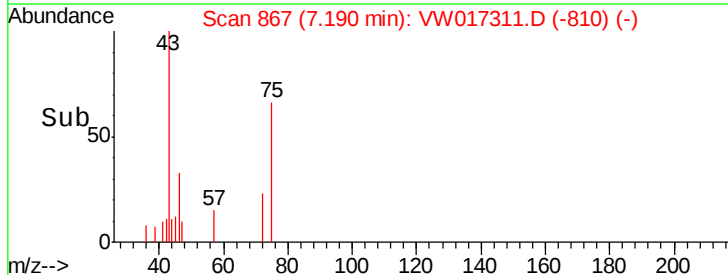
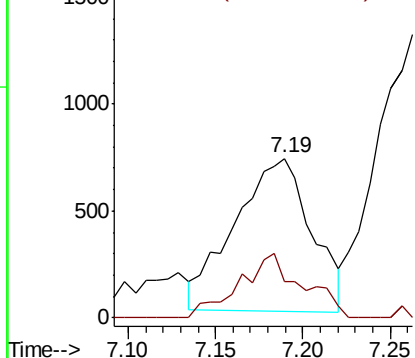


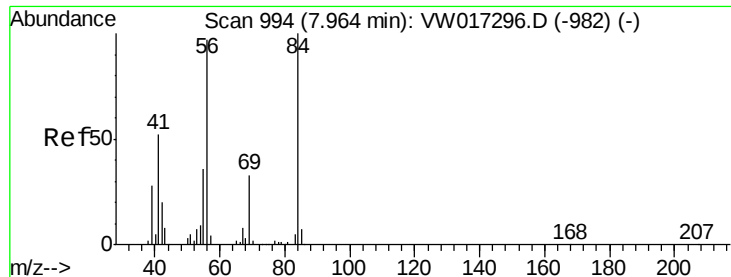
#21
2-Butanone
Concen: 2.061 ug/L
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW017311.D
Acq: 18 Nov 2020 01:53

Tgt Ion: 43 Resp: 2184
Ion Ratio Lower Upper
43 100
72 25.4 16.1 48.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

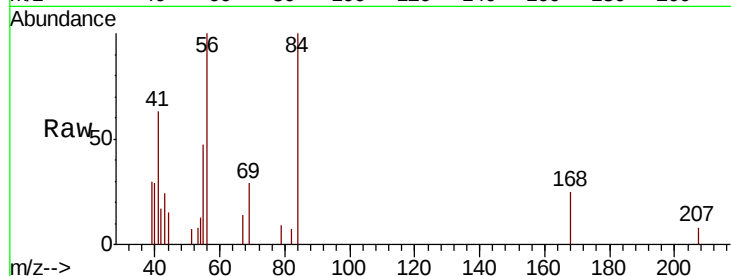




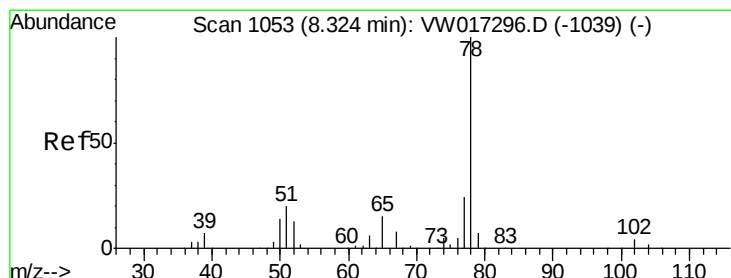
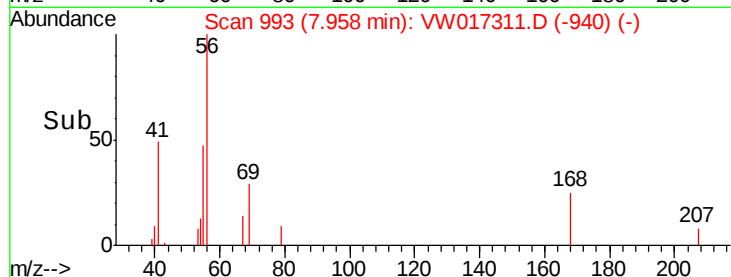
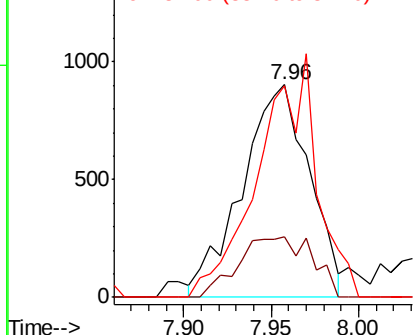
#30
Cyclohexane
Concen: 0.554 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW017311.D
Acq: 18 Nov 2020 01:53

Instrument :
MSVOA_W
ClientSampled :
GB0Y4

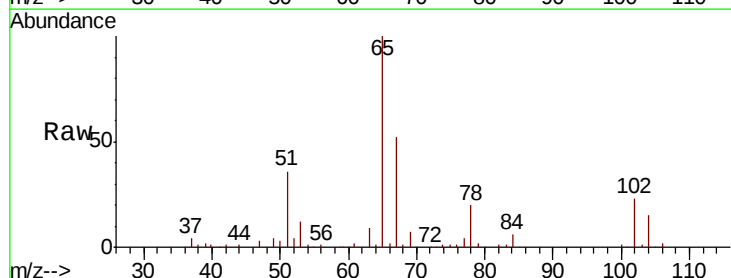
Tot Ion: 56 Resp: 2426
Ion Ratio Lower Upper
56 100
69 0.0 26.1 39.1#
84 66.1 79.1 118.7#



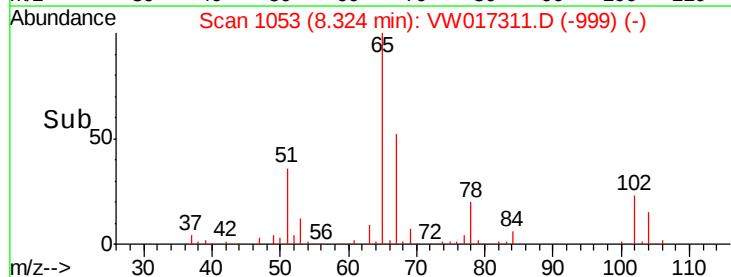
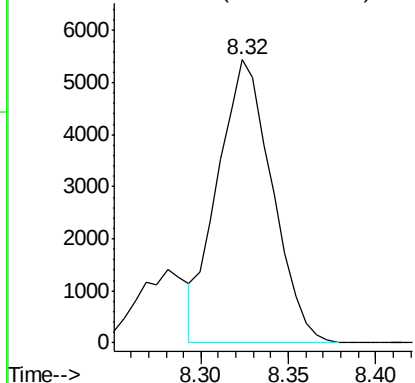
Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

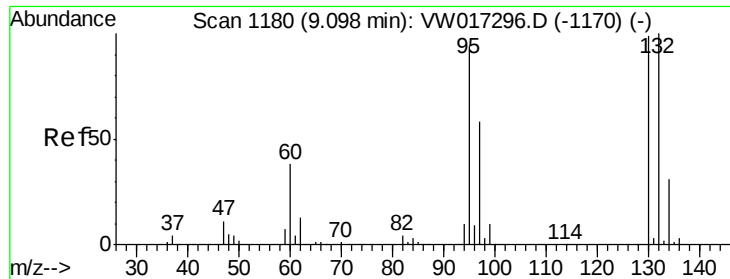


#34
Benzene
Concen: 0.966 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW017311.D
Acq: 18 Nov 2020 01:53
Tgt Ion: 78 Resp: 11786



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.969 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.26 min

Lab File: VW017311.D

Acq: 18 Nov 2020 01:53

Instrument :

MSVOA_W

ClientSampleId :

GB0Y4

Tot Ion: 95 Resp: 10150

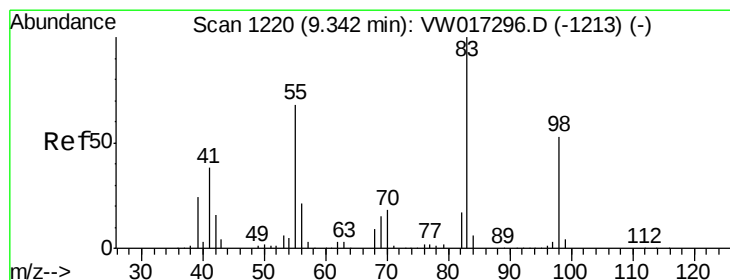
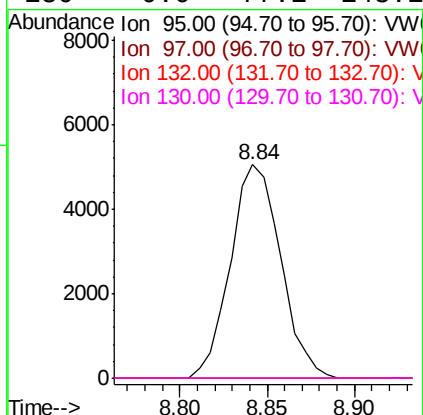
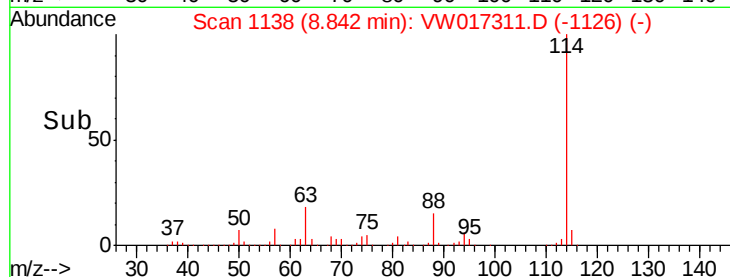
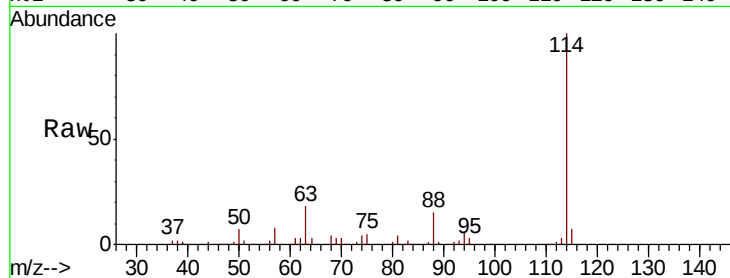
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.0 73.7 136.9#

130 0.0 77.1 143.1#



#36

Methylcyclohexane

Concen: 0.905 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW017311.D

Acq: 18 Nov 2020 01:53

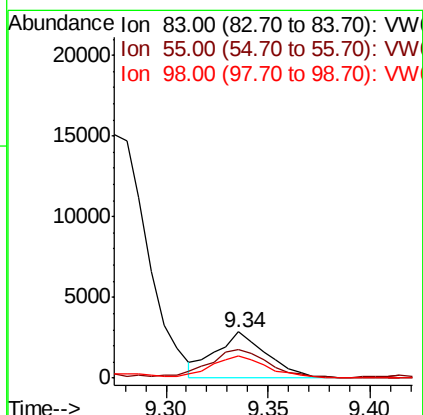
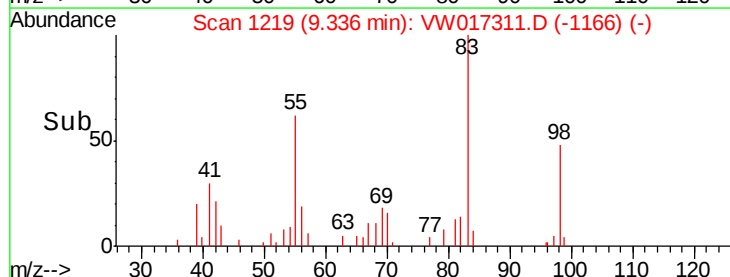
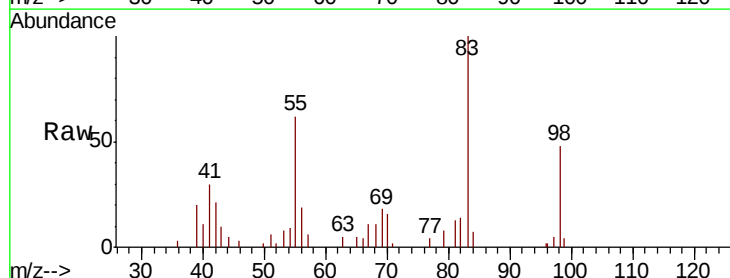
Tgt Ion: 83 Resp: 4977

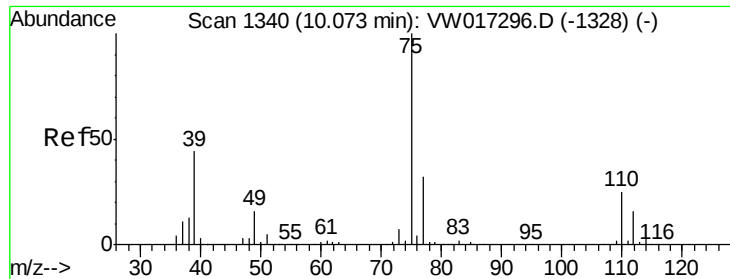
Ion Ratio Lower Upper

83 100

55 73.7 54.4 81.6

98 52.9 40.5 60.7





#42

cis-1,3-Dichloropropene

Concen: 0.702 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW017311.D

Acq: 18 Nov 2020 01:53

Instrument :

MSVOA_W

ClientSampleId :

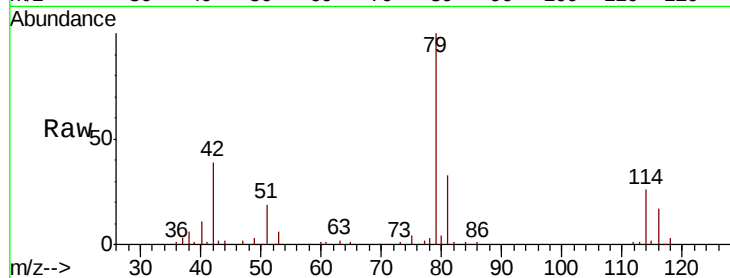
GB0Y4

Tot Ion: 75 Resp: 3170

Ion Ratio Lower Upper

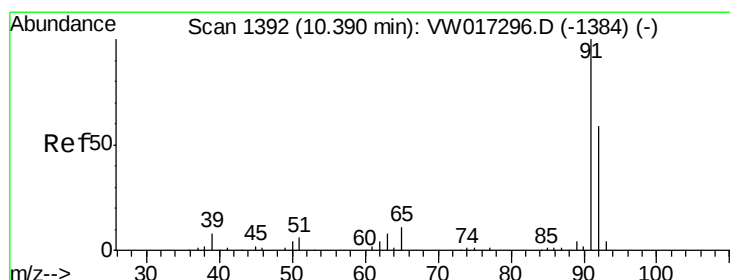
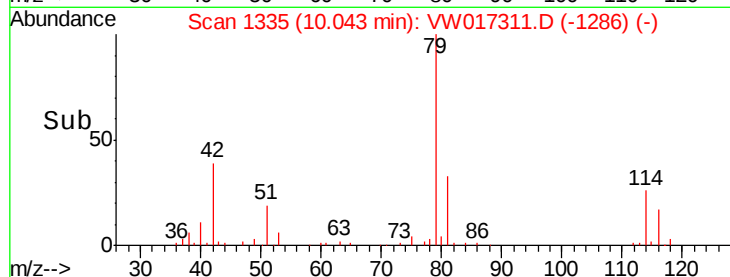
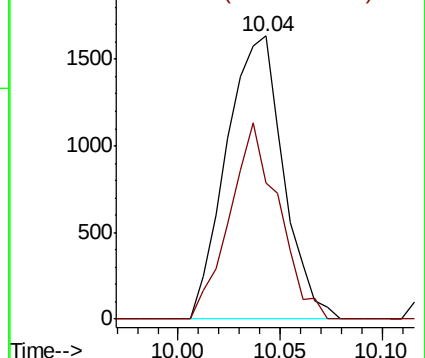
75 100

77 48.3 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: 2.167 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017311.D

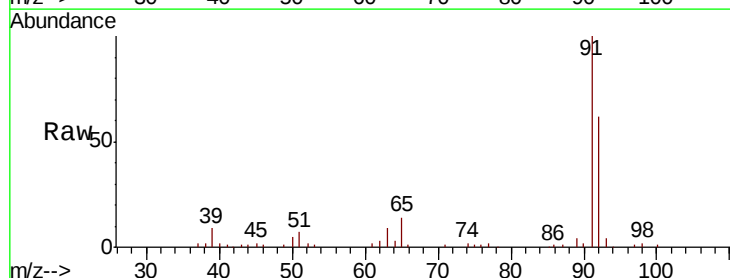
Acq: 18 Nov 2020 01:53

Tgt Ion: 91 Resp: 29109

Ion Ratio Lower Upper

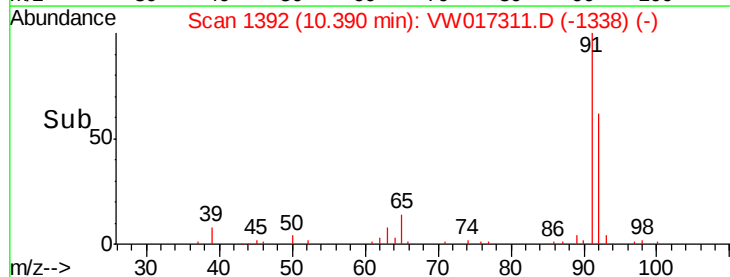
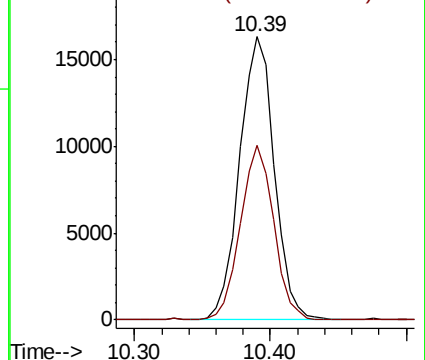
91 100

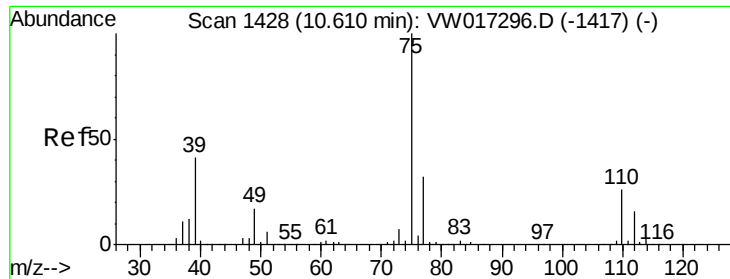
92 61.9 41.4 76.8



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: 0.497 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017311.D

Acq: 18 Nov 2020 01:53

Instrument :

MSVOA_W

ClientSampleId :

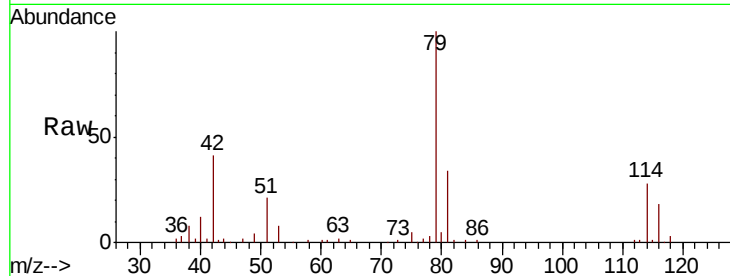
GB0Y4

Tot Ion: 75 Resp: 1930

Ion Ratio Lower Upper

75 100

77 47.6 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

1200

1000

800

600

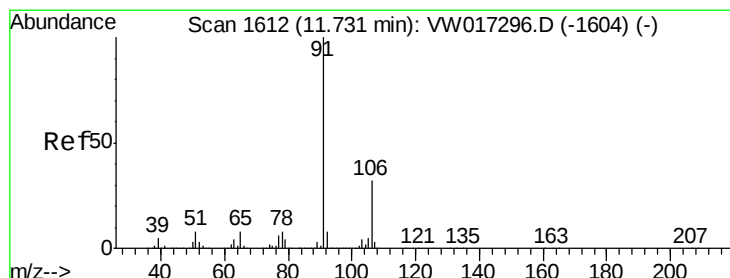
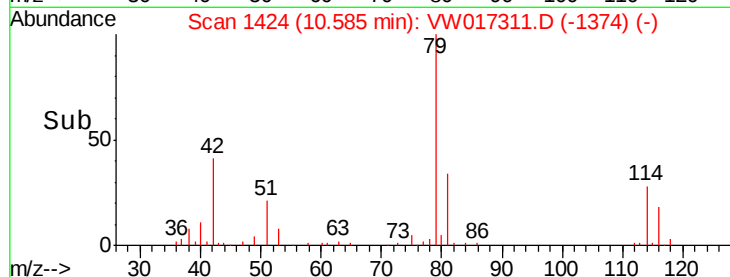
400

200

0

10.55 10.60

Time-->



#53

Ethylbenzene

Concen: 0.453 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017311.D

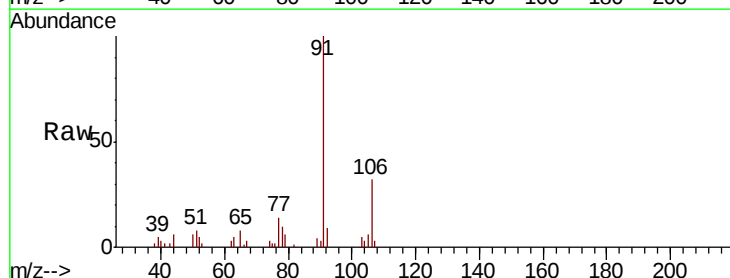
Acq: 18 Nov 2020 01:53

Tgt Ion: 91 Resp: 6802

Ion Ratio Lower Upper

91 100

106 32.3 22.9 42.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

4000

3000

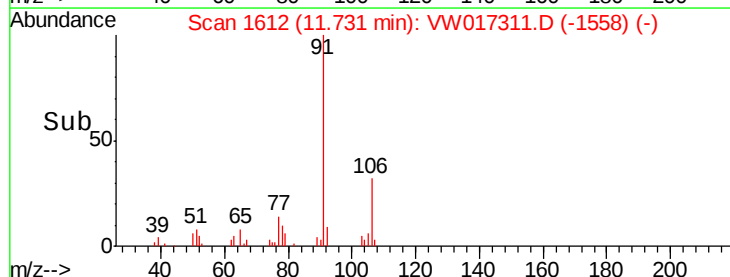
2000

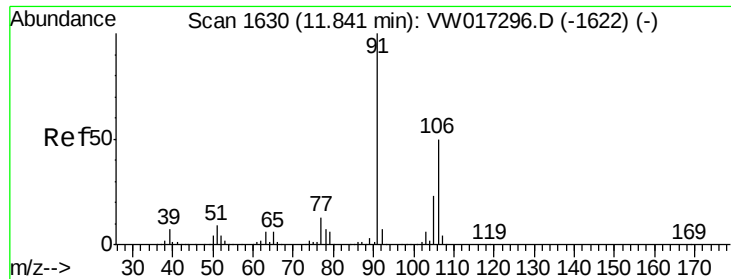
1000

0

11.70 11.75

Time-->





#54

m,p-Xylene

Concen: 0.554 ug/L

RT: 11.83 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VW017311.D

Acq: 18 Nov 2020 01:53

Instrument :

MSVOA_W

ClientSampleId :

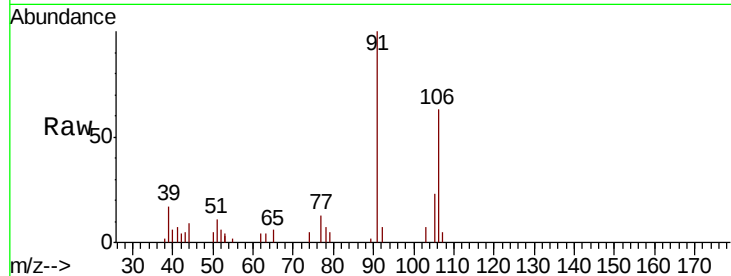
GB0Y4

Tot Ion:106 Resp: 3249

Ion Ratio Lower Upper

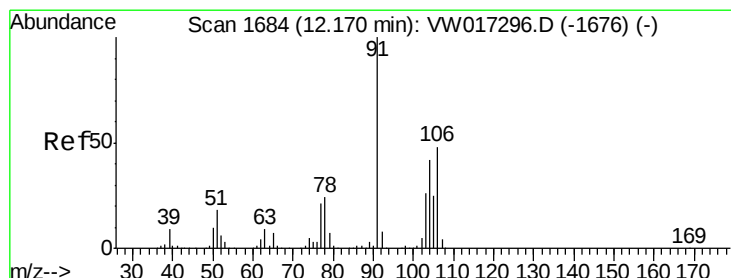
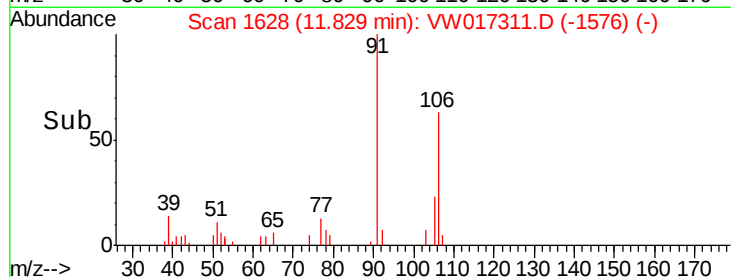
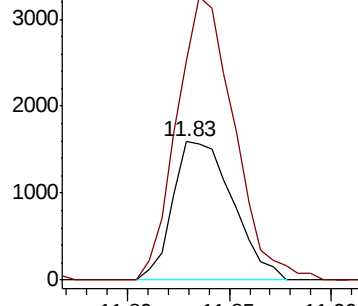
106 100

91 158.3 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.277 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW017311.D

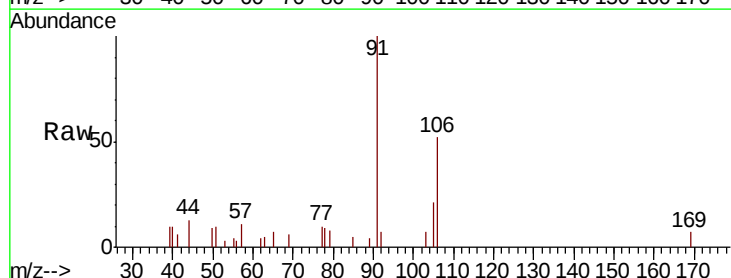
Acq: 18 Nov 2020 01:53

Tgt Ion:106 Resp: 1545

Ion Ratio Lower Upper

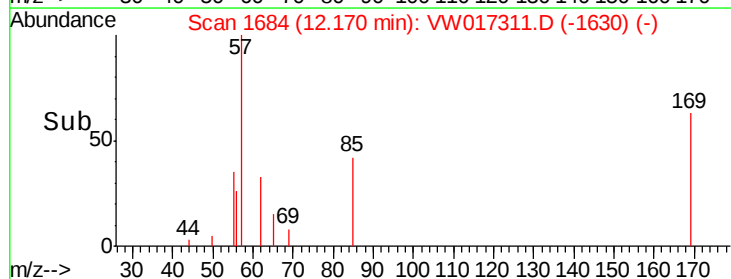
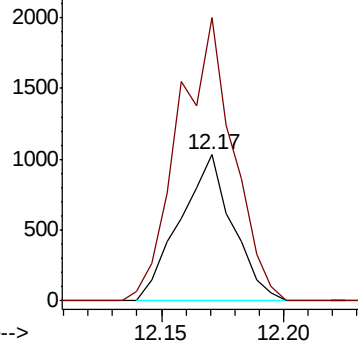
106 100

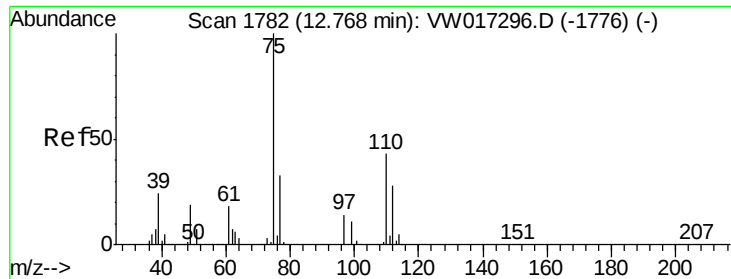
91 193.6 140.8 261.4



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: 2.278 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017311.D

Acq: 18 Nov 2020 01:53

Instrument :

MSVOA_W

ClientSampleId :

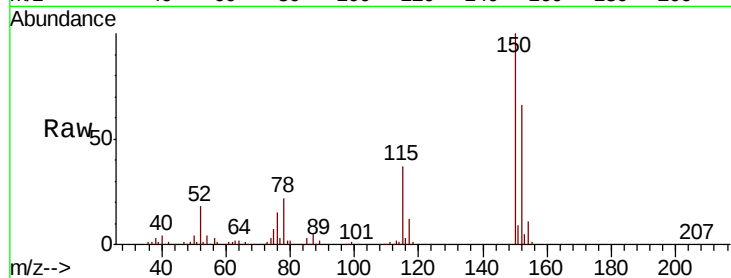
GB0Y4

Tot Ion: 75 Resp: 4653

Ion Ratio Lower Upper

75 100

77 36.5 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

