

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080919\
 Data File : VW011766.D
 Acq On : 08 Aug 2019 11:13
 Operator : SY/VA
 Sample : K4215-04
 Misc : 3.95G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOB5

Quant Time: Aug 09 02:39:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 09 02:27:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	341532	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	253125	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	76641	25.00	ug/L	0.00

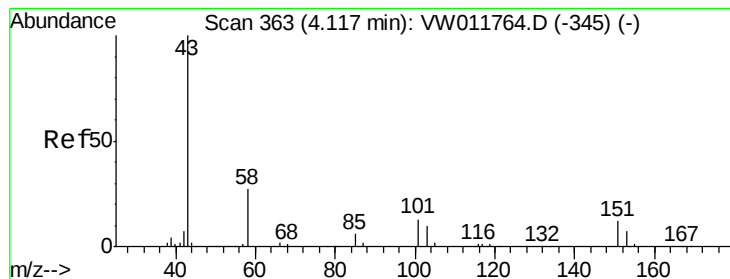
System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	86638	18.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.08%
7) Chloroethane-d5	2.86	69	67085	19.37	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.48%
10) 1,1-Dichloroethene-d2	4.01	63	151914	13.78	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	55.12%
20) 2-Butanone-d5	7.07	46	166559	76.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	153.82%#
24) Chloroform-d	7.65	84	196147	20.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.64%
26) 1,2-Dichloroethane-d4	8.31	65	127173	22.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.64%
29) Benzene-d6	8.27	84	399687	25.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.44%
33) 1,2-Dichloropropane-d6	9.27	67	139290	27.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.44%
37) Toluene-d8	10.32	98	340558	24.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.44%
38) trans-1,3-Dichloropropene-	10.58	79	50304	22.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.36%
39) 2-Hexanone-d5	10.92	63	91324	76.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	152.18%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	105359	24.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	83810	28.38	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.52%

Target Compounds

					Ovalue
13) Acetone	4.12	43	51887	22.373	ug/L 100
21) 2-Butanone	7.17	43	37711	12.969	ug/L 94
22) cis-1,2-Dichloroethene	7.17	96	7159	1.350	ug/L 99
30) Cyclohexane	7.96	56	23638	2.687	ug/L 97
31) 1,1,1-Trichloroethane	7.87	97	6279	1.018	ug/L # 76
34) Benzene	8.32	78	45636	2.573	ug/L 100
35) Trichloroethene	9.09	95	6906	1.534	ug/L 96
36) Methylcyclohexane	9.34	83	233799	28.619	ug/L # 84
44) Toluene	10.38	91	57689	3.201	ug/L 97
47) Tetrachloroethene	10.86	164	1975	0.574	ug/L 91
53) Ethylbenzene	11.73	91	38050	1.893	ug/L 99
54) m,p-Xylene	11.84	106	34262	4.688	ug/L 99
55) o-xylene	12.16	106	37256	5.417	ug/L 99

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



#13

Acetone

Concen: 22.373 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011766.D

Acq: 08 Aug 2019 11:13

Instrument :

MSVOA_W

ClientSampleId :

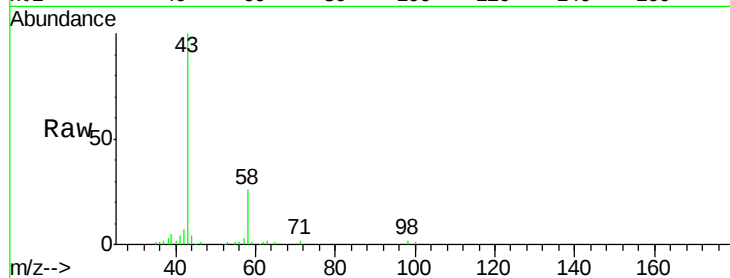
ETOB5

Tot Ion: 43 Resp: 51887

Ion Ratio Lower Upper

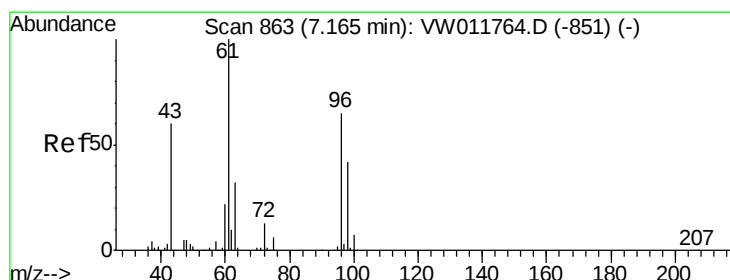
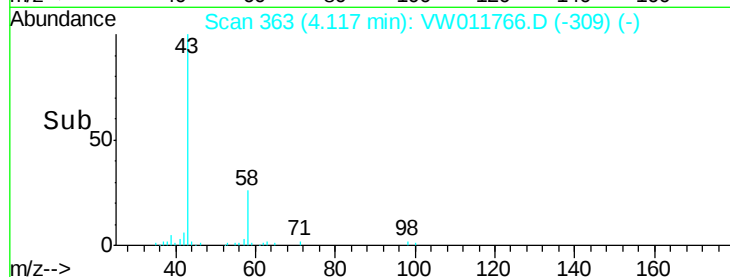
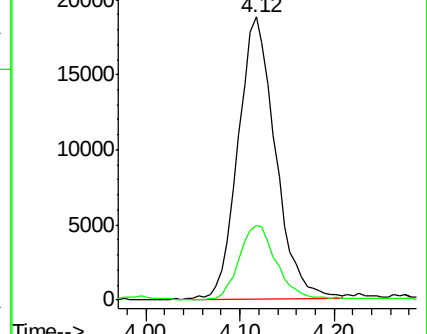
43 100

58 26.6 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#21

2-Butanone

Concen: 12.969 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011766.D

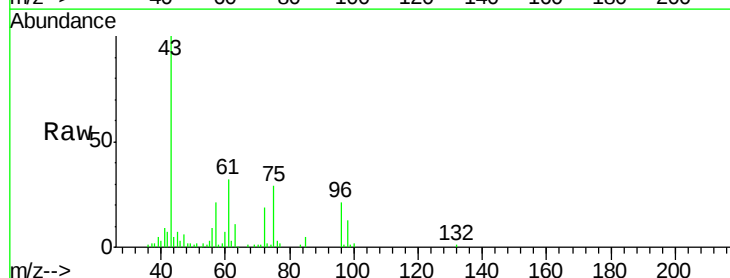
Acq: 08 Aug 2019 11:13

Tgt Ion: 43 Resp: 37711

Ion Ratio Lower Upper

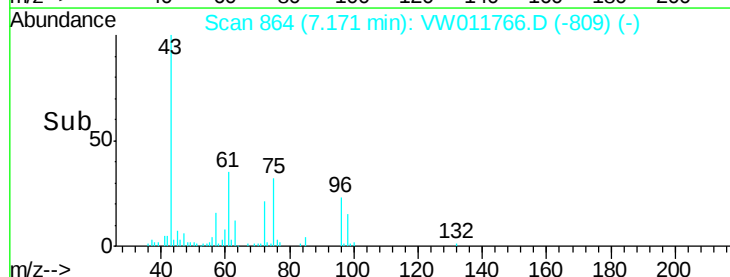
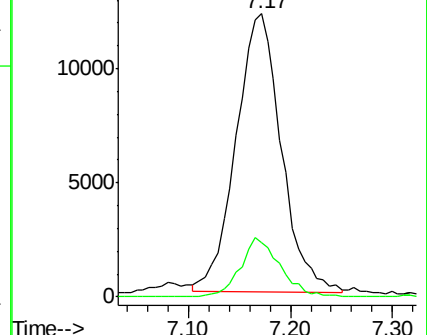
43 100

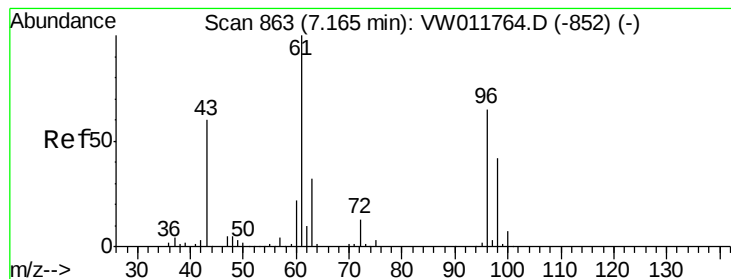
72 18.5 10.7 32.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



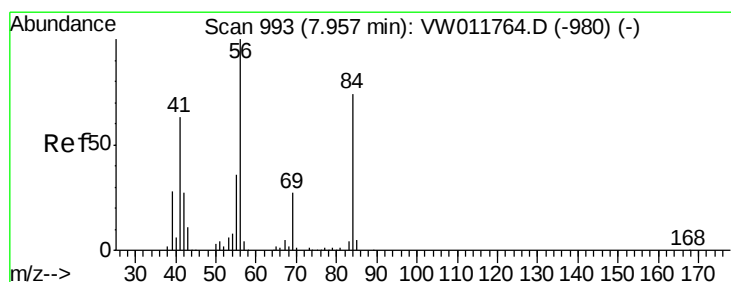
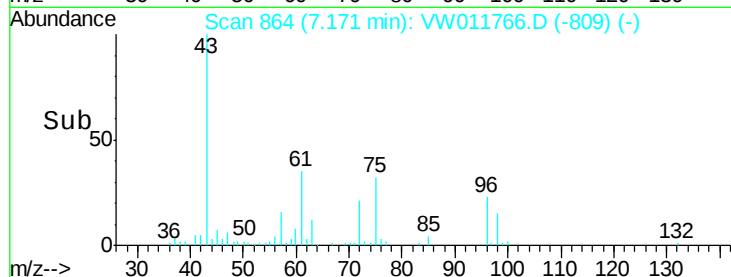
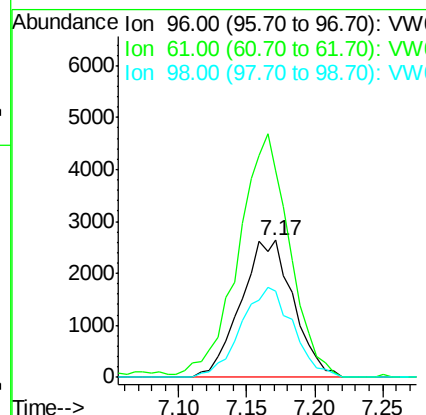
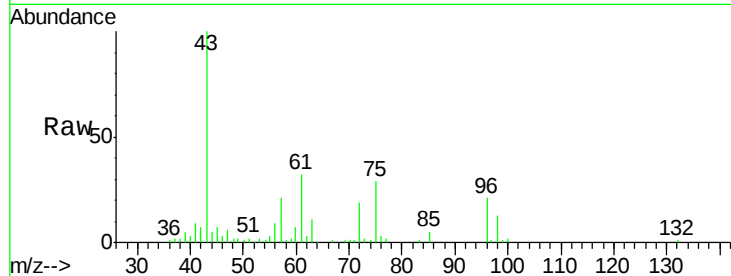


#22

cis-1,2-Dichloroethene
 Concen: 1.350 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW011766.D
 Acq: 08 Aug 2019 11:13

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOB5

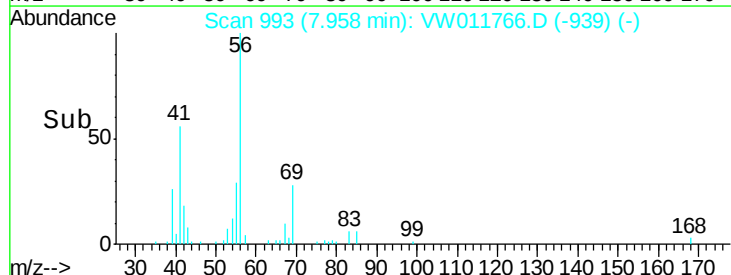
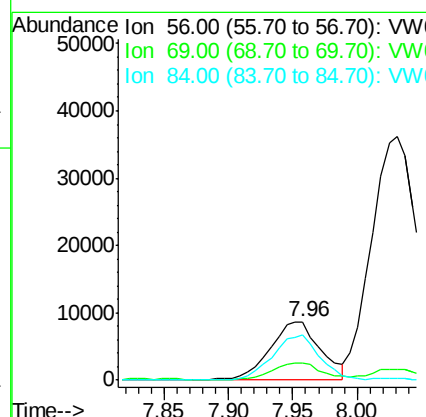
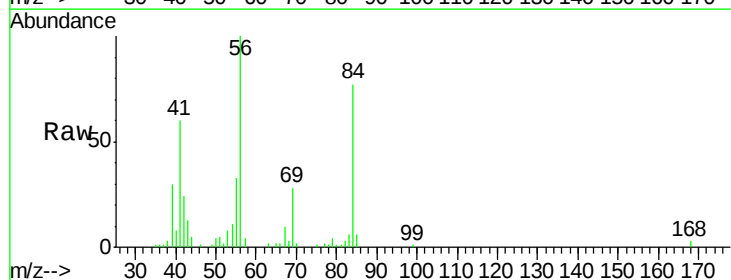
Tot Ion: 96 Resp: 7159
 Ion Ratio Lower Upper
 96 100
 61 150.4 103.9 192.9
 98 63.0 43.5 80.9

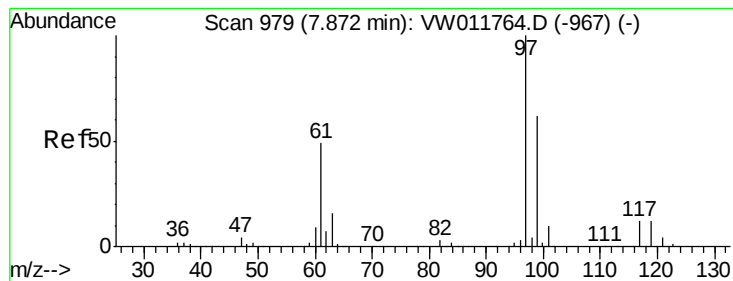


#30

Cyclohexane
 Concen: 2.687 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VW011766.D
 Acq: 08 Aug 2019 11:13

Tgt Ion: 56 Resp: 23638
 Ion Ratio Lower Upper
 56 100
 69 28.5 22.4 33.6
 84 72.4 60.6 91.0





#31

1,1,1-Trichloroethane

Concen: 1.018 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011766.D

Acq: 08 Aug 2019 11:13

Instrument :

MSVOA_W

ClientSampled :

ETOB5

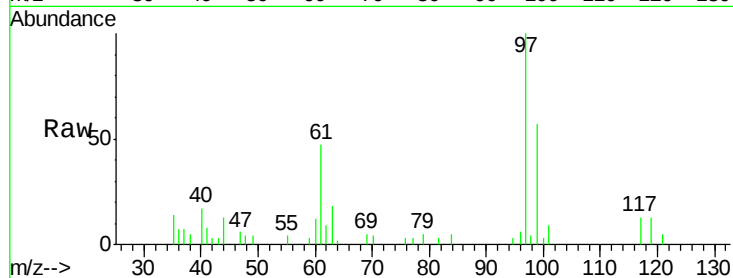
Tot Ion: 97 Resp: 6279

Ion Ratio Lower Upper

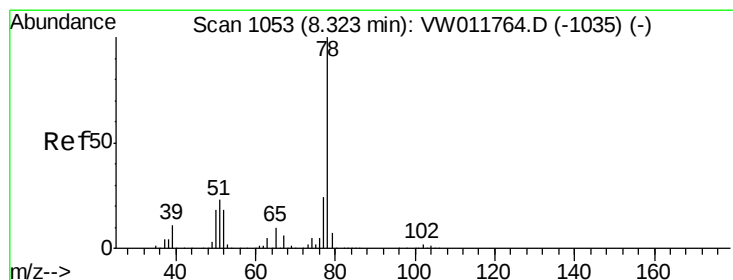
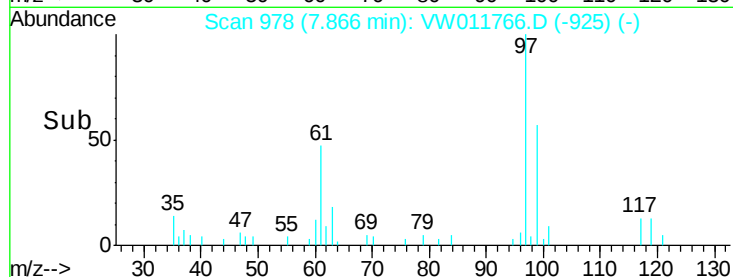
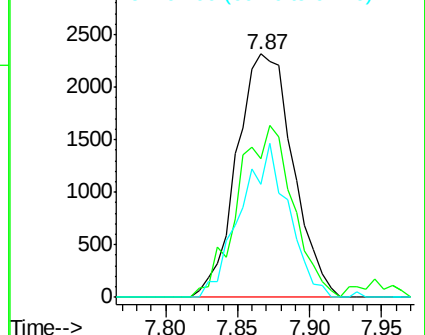
97 100

99 34.7 52.1 78.1#

61 53.6 40.3 60.5



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW



#34

Benzene

Concen: 2.573 ug/L

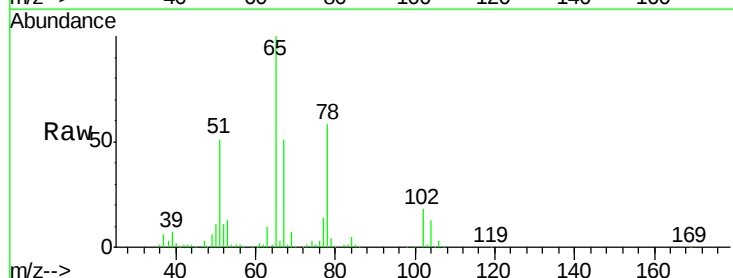
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

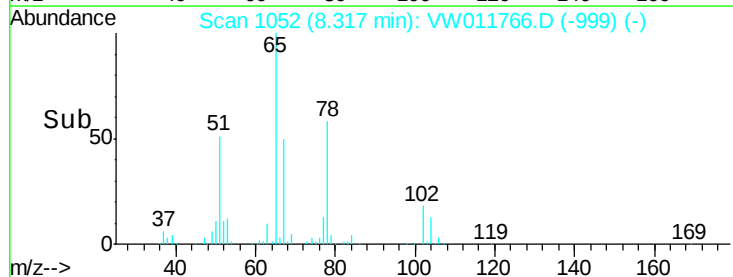
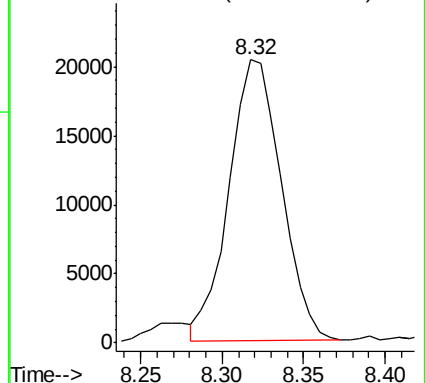
Lab File: VW011766.D

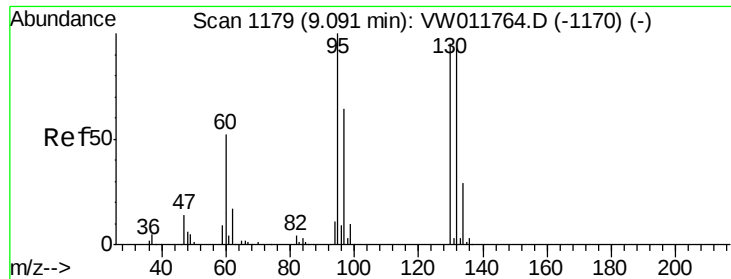
Acq: 08 Aug 2019 11:13

Tgt Ion: 78 Resp: 45636



Abundance Ion 78.00 (77.70 to 78.70): VW

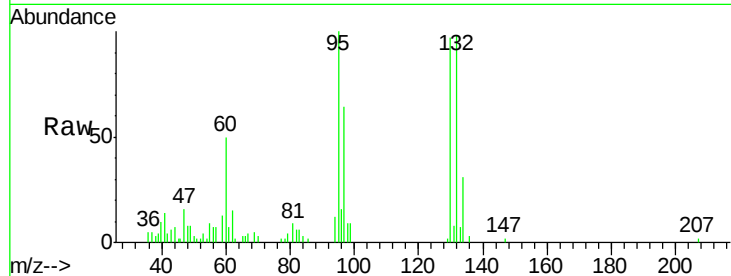




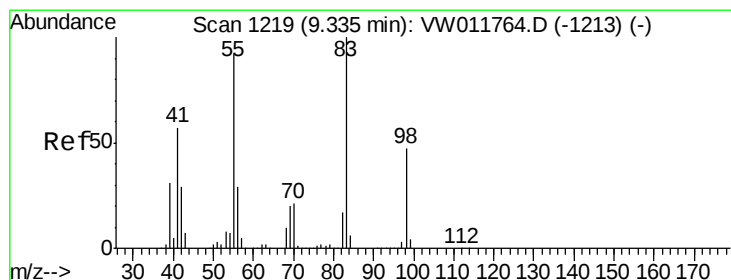
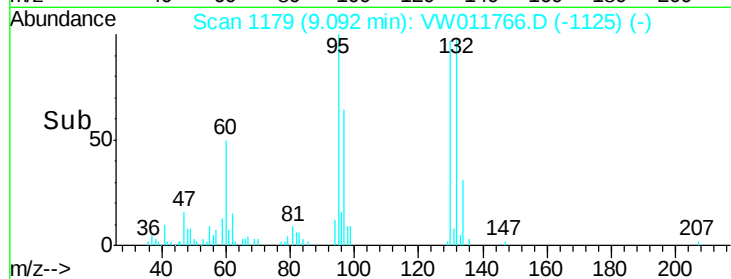
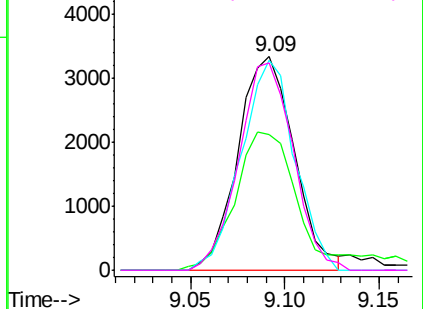
#35
 Trichloroethene
 Concen: 1.534 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW011766.D
 Acq: 08 Aug 2019 11:13

Instrument :
 MSVOA_W
 ClientSampled :
 ETOB5

Tot Ion:	95	Resp:	6906
Ion	Ratio	Lower	Upper
95	100		
97	71.8	44.8	83.2
132	93.7	65.0	120.6
130	93.8	68.0	126.4

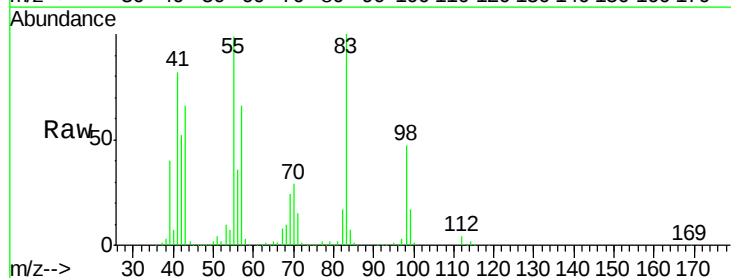


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

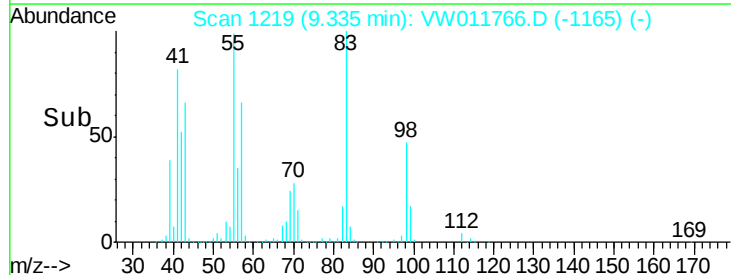
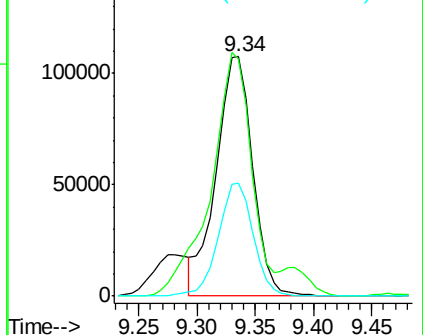


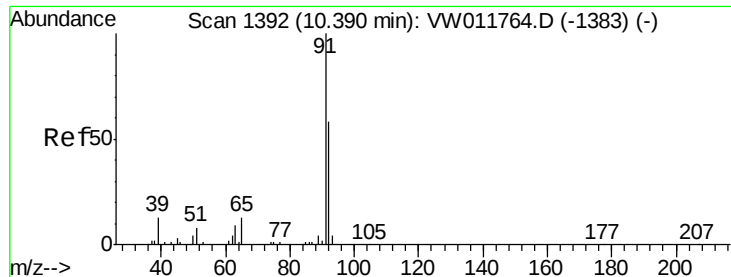
#36
 Methylcyclohexane
 Concen: 28.619 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW011766.D
 Acq: 08 Aug 2019 11:13

Tgt Ion:	83	Resp:	233799
Ion	Ratio	Lower	Upper
83	100		
55	112.5	72.6	108.8#
98	45.5	37.8	56.6



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





#44

Toluene

Concen: 3.201 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011766.D

Acq: 08 Aug 2019 11:13

Instrument :

MSVOA_W

ClientSampleId :

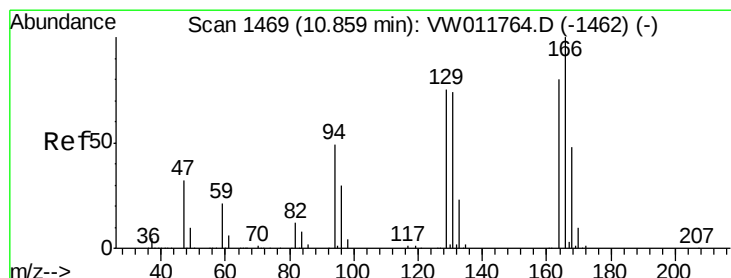
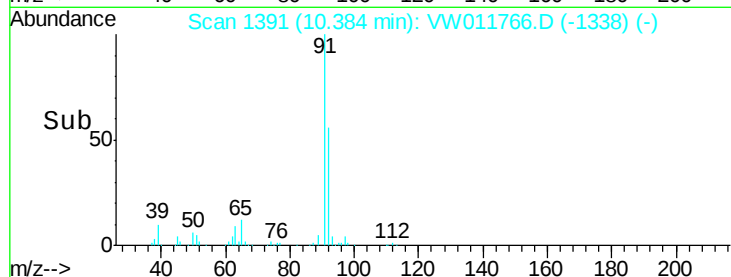
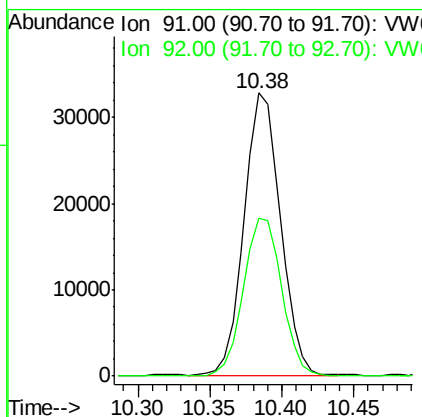
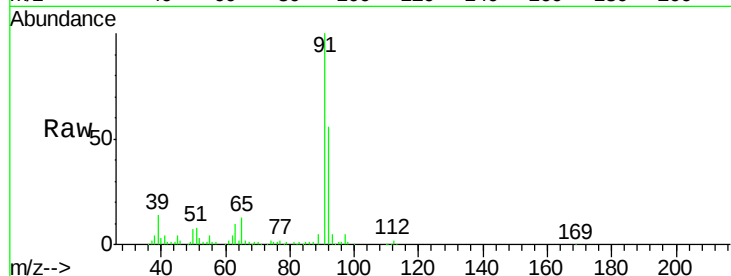
ETOB5

Tot Ion: 91 Resp: 57689

Ion Ratio Lower Upper

91 100

92 56.0 40.9 76.0



#47

Tetrachloroethene

Concen: 0.574 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW011766.D

Acq: 08 Aug 2019 11:13

Tgt Ion: 164 Resp: 1975

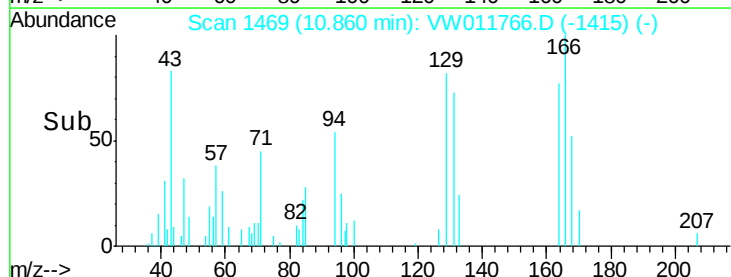
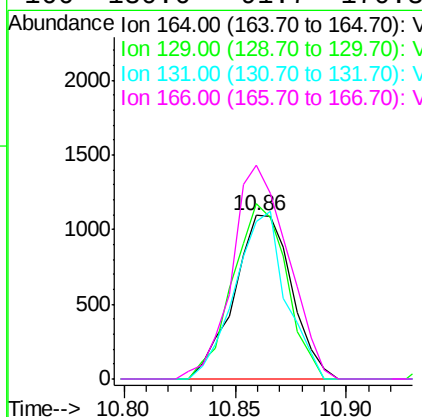
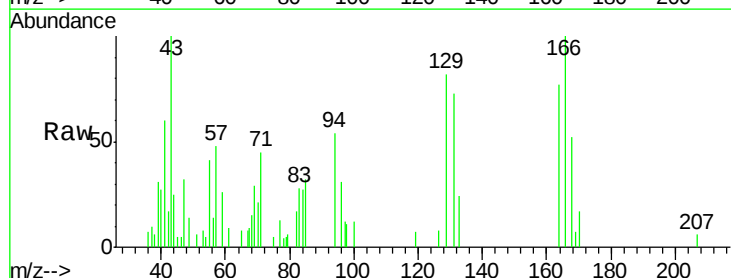
Ion Ratio Lower Upper

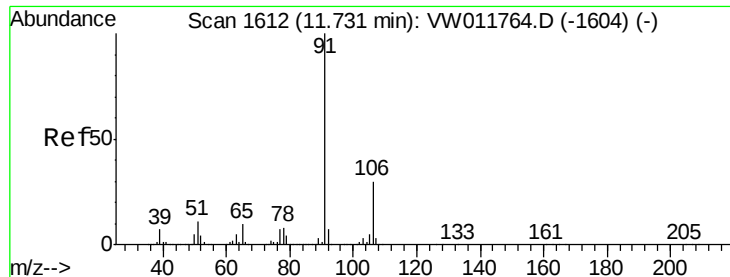
164 100

129 106.8 64.0 119.0

131 95.9 58.6 108.8

166 130.6 91.7 170.3





#53

Ethylbenzene

Concen: 1.893 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011766.D

Acq: 08 Aug 2019 11:13

Instrument :

MSVOA_W

ClientSampleId :

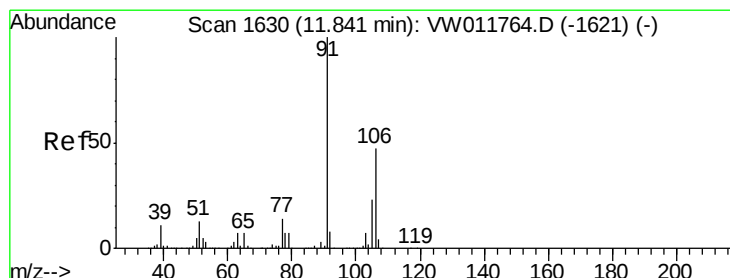
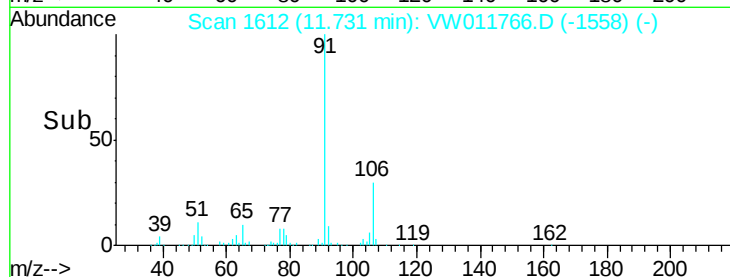
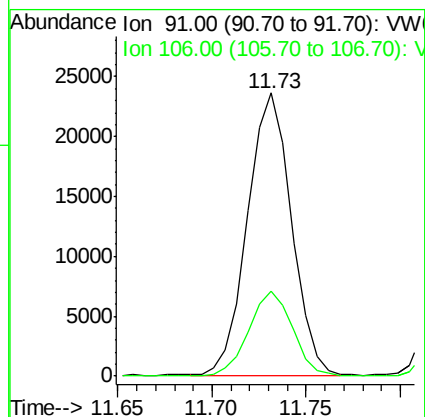
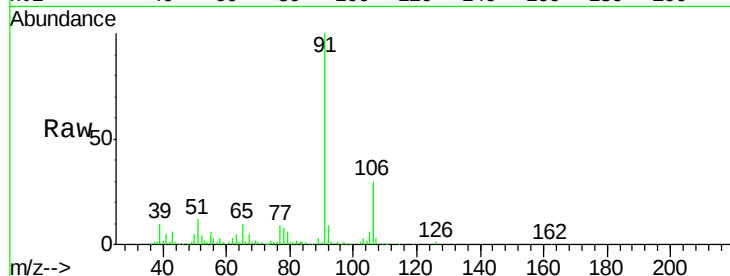
ETOB5

Tot Ion: 91 Resp: 38050

Ion Ratio Lower Upper

91 100

106 30.1 20.6 38.4



#54

m,p-Xylene

Concen: 4.688 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW011766.D

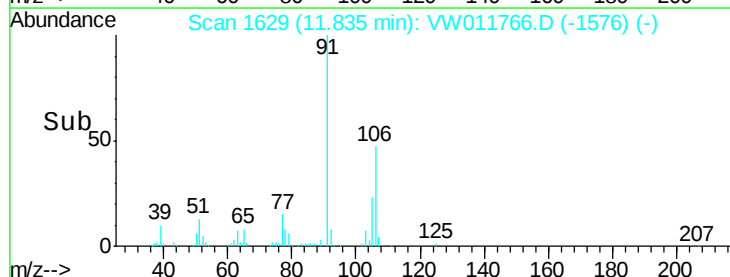
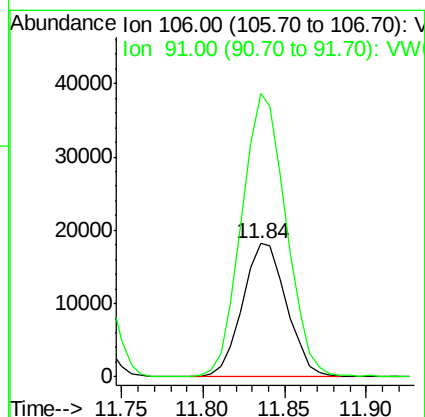
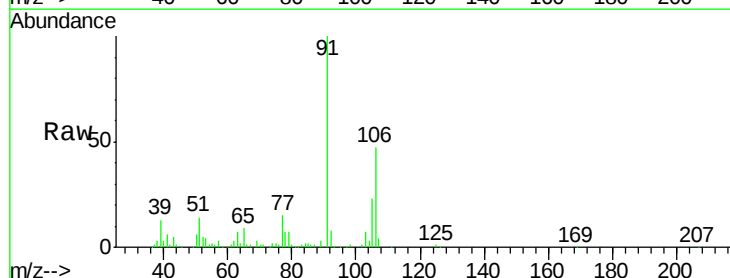
Acq: 08 Aug 2019 11:13

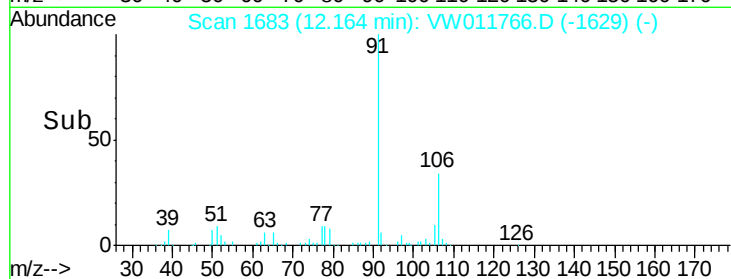
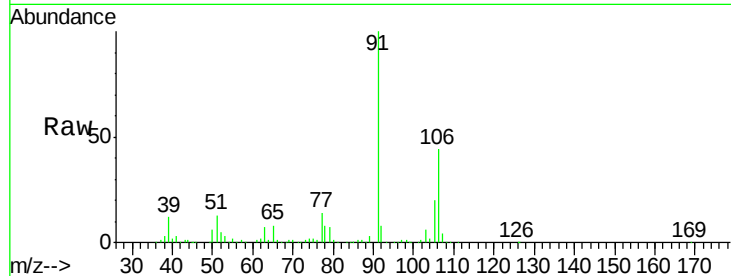
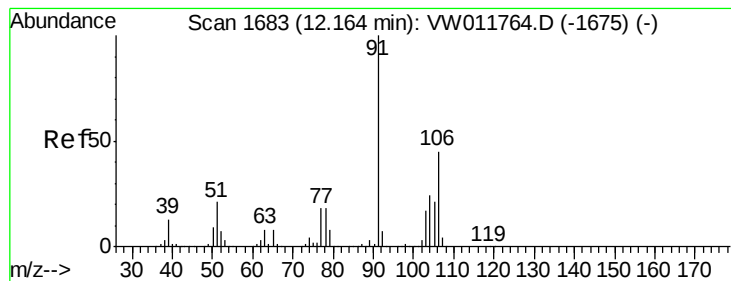
Tgt Ion: 106 Resp: 34262

Ion Ratio Lower Upper

106 100

91 212.0 149.6 277.8





#55

o-xylene

Concen: 5.417 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW011766.D

Acq: 08 Aug 2019 11:13

Instrument :

MSVOA_W

ClientSampleId :

ETOB5

Tot Ion:106 Resp: 37256

Ion Ratio Lower Upper

106 100

91 227.4 158.3 293.9

