

Data File : VW014387.D
Acq On : 17 Dec 2019 12:51
Operator : SY/VA
Sample : K6270-13MS
Misc : 4.92G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETK88MS

Quant Time: Dec 18 01:40:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 18 01:35:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1236648	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1117532	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	514193	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	358112	19.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.48%
7) Chloroethane-d5	2.89	69	300109	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.20%
10) 1,1-Dichloroethene-d2	4.02	63	701964	21.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.88%
20) 2-Butanone-d5	7.07	46	226649	46.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.90%
24) Chloroform-d	7.64	84	765027	24.30	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	8.31	65	414358	25.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.40%
29) Benzene-d6	8.27	84	1594607	24.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.40%
33) 1,2-Dichloropropane-d6	9.27	67	506938	25.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.64%
37) Toluene-d8	10.32	98	1408568	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.12%
38) trans-1,3-Dichloropropene-	10.57	79	198815	23.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.08%
39) 2-Hexanone-d5	10.92	63	190199	47.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	395259	24.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	492799	25.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.32%

Target Compounds

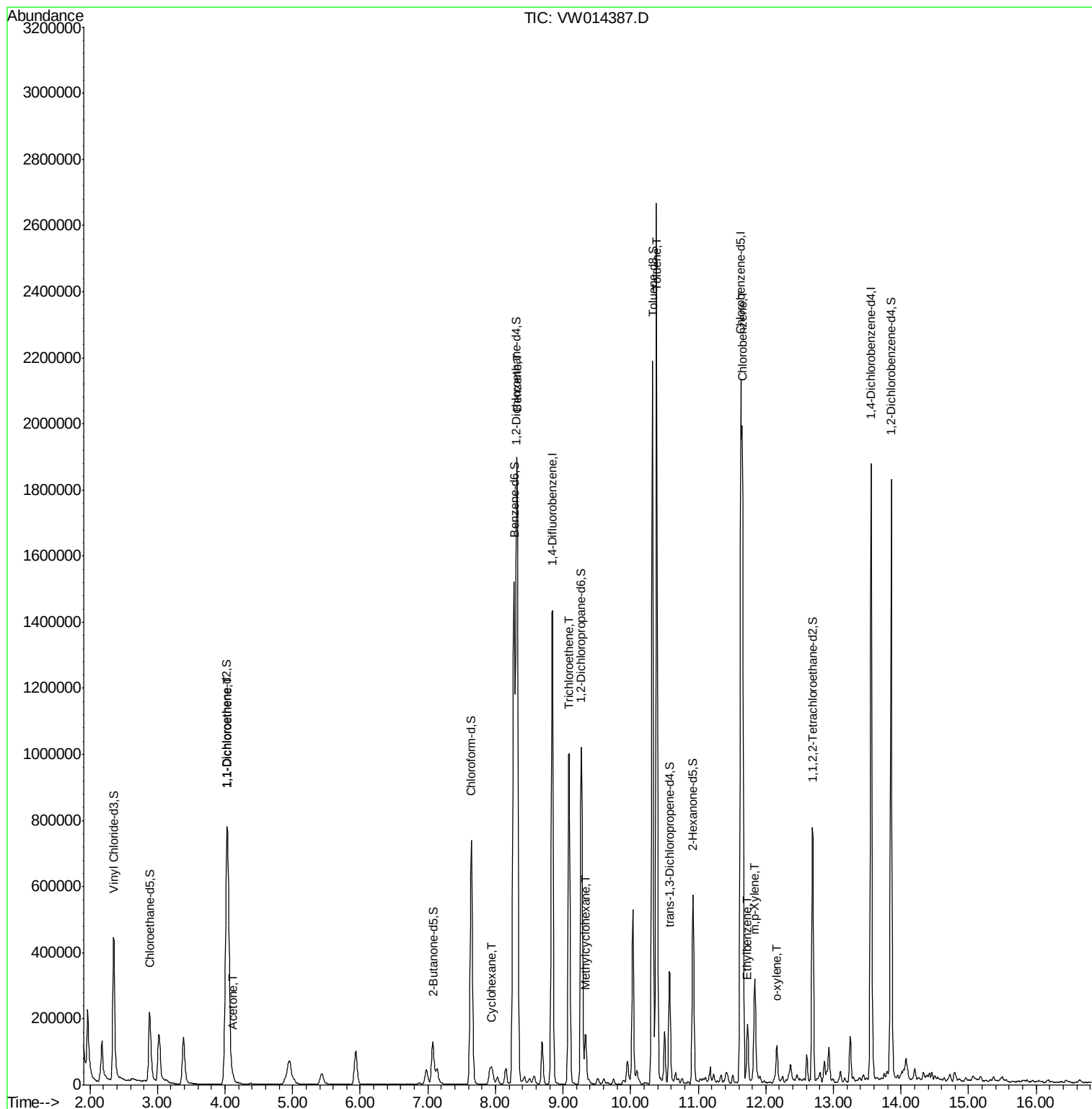
						Qvalue
12) 1,1-Dichloroethene	4.04	96	314016	19.015	ug/L	83
13) Acetone	4.12	43	19123	4.064	ug/L	91
30) Cyclohexane	7.95	56	30310	1.087	ug/L #	80
34) Benzene	8.32	78	1632464	23.071	ug/L	100
35) Trichloroethene	9.09	95	371479	20.519	ug/L	94
36) Methylcyclohexane	9.33	83	51876	1.705	ug/L #	85
44) Toluene	10.38	91	1911643	25.769	ug/L	98
52) Chlorobenzene	11.65	112	986659	20.579	ug/L	93
53) Ethylbenzene	11.73	91	120617	1.498	ug/L	98
54) m,p-Xylene	11.84	106	70090	2.264	ug/L	92
55) o-xylene	12.16	106	29053	0.989	ug/L	100

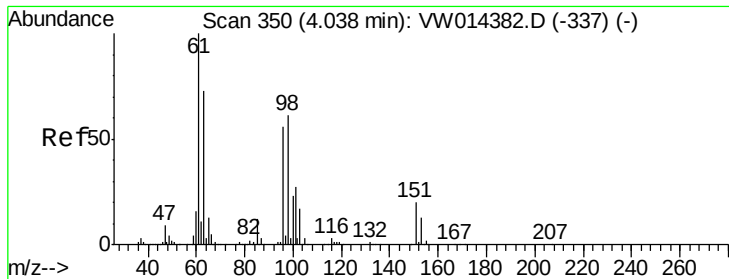
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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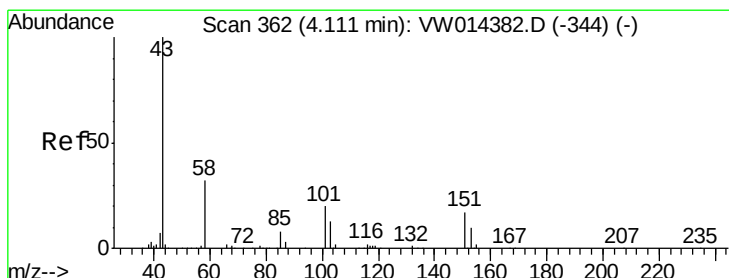
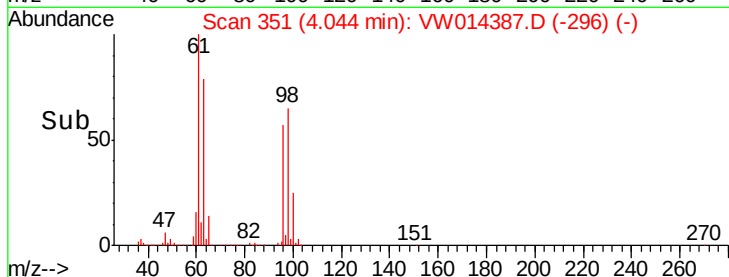
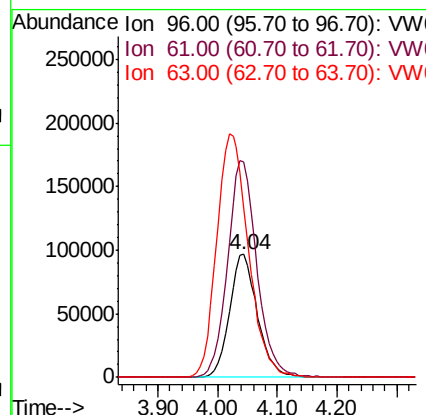
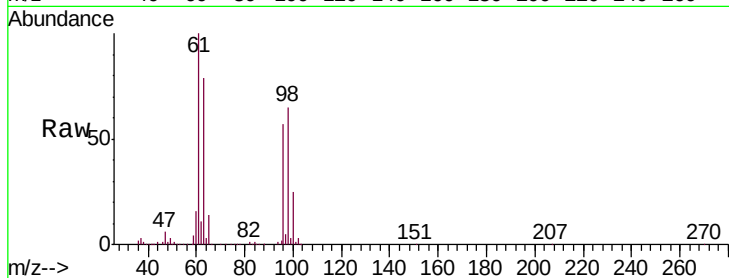




#12
 1,1-Dichloroethene
 Concen: 19.015 ug/L
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW014387.D
 Acq: 17 Dec 2019 12:51

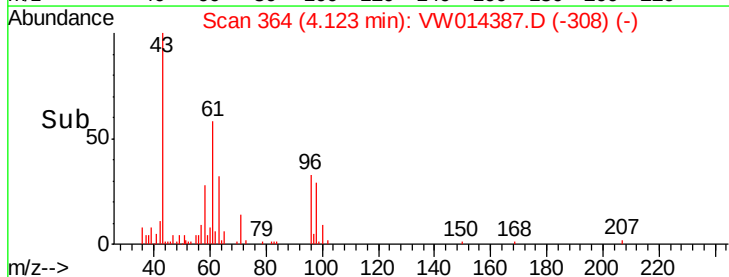
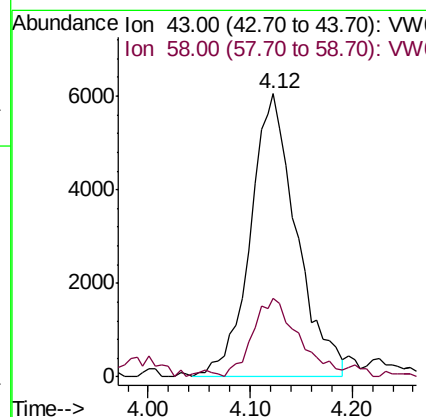
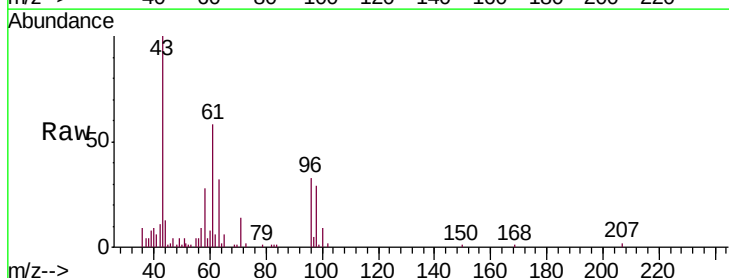
Instrument :
 MSVOA_W
 ClientSampleId :
 ETK88MS

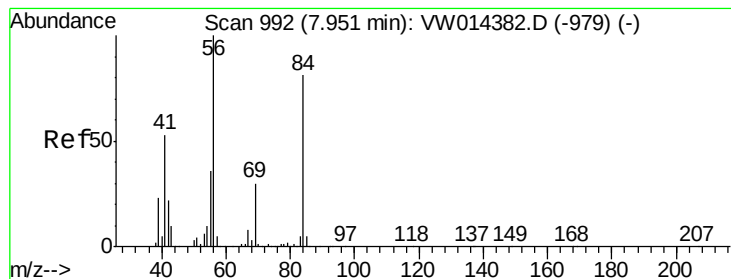
Tgt Ion: 96 Resp: 314016
 Ion Ratio Lower Upper
 96 100
 61 174.8 109.8 204.0
 63 137.7 80.7 149.9



#13
 Acetone
 Concen: 4.064 ug/L
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW014387.D
 Acq: 17 Dec 2019 12:51

Tgt Ion: 43 Resp: 19123
 Ion Ratio Lower Upper
 43 100
 58 27.5 0.0 65.4





#30

Cyclohexane

Concen: 1.087 ug/L

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW014387.D

Acq: 17 Dec 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

ETK88MS

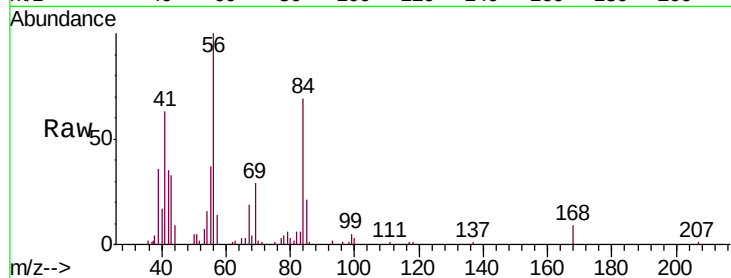
Tgt Ion: 56 Resp: 30310

Ion Ratio Lower Upper

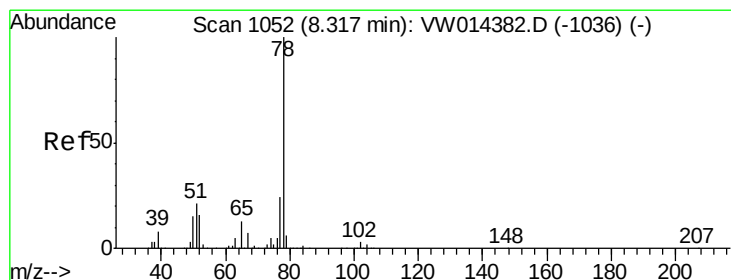
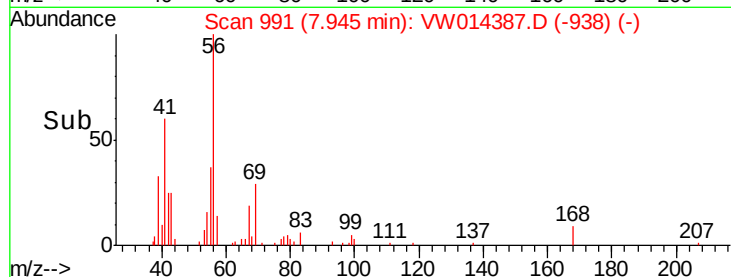
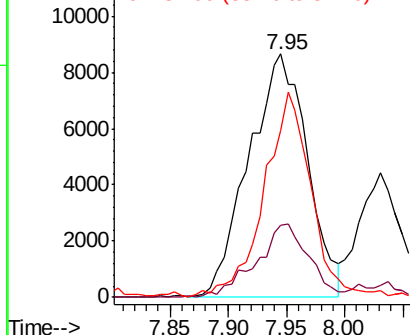
56 100

69 23.0 24.6 37.0#

84 66.7 70.2 105.2#



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: 23.071 ug/L

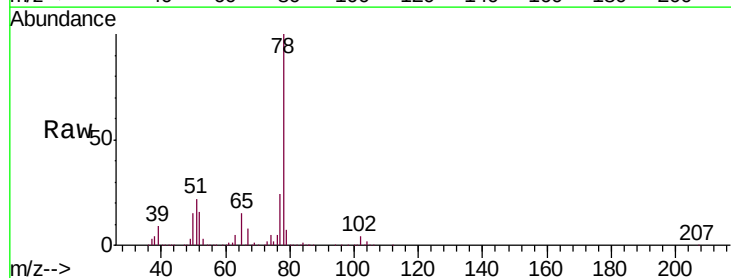
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

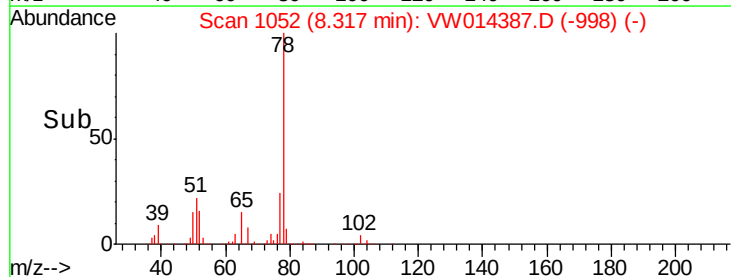
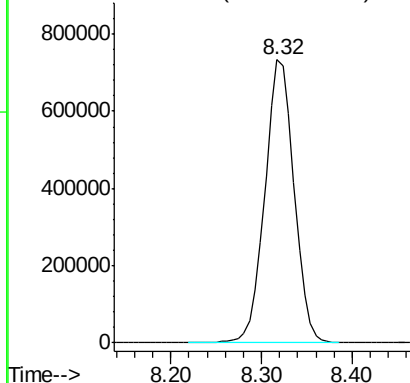
Lab File: VW014387.D

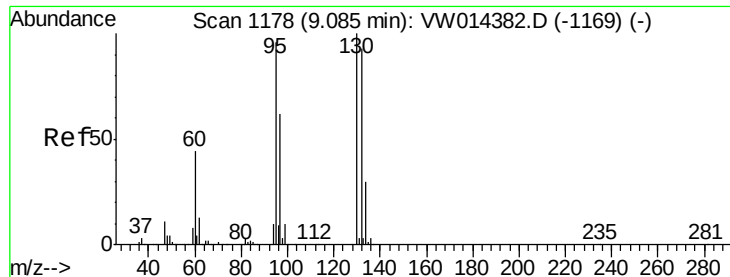
Acq: 17 Dec 2019 12:51

Tgt Ion: 78 Resp: 1632464



Abundance Ion 78.00 (77.70 to 78.70): VW

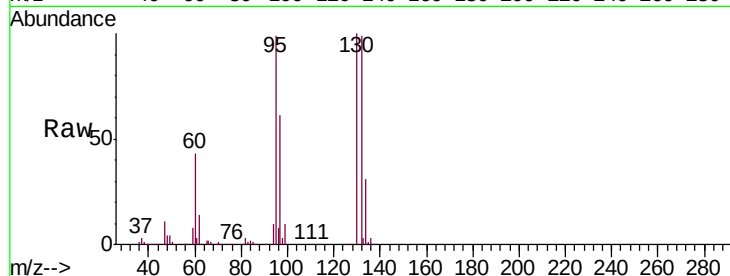




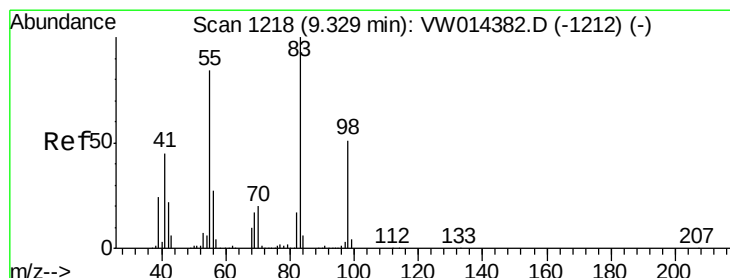
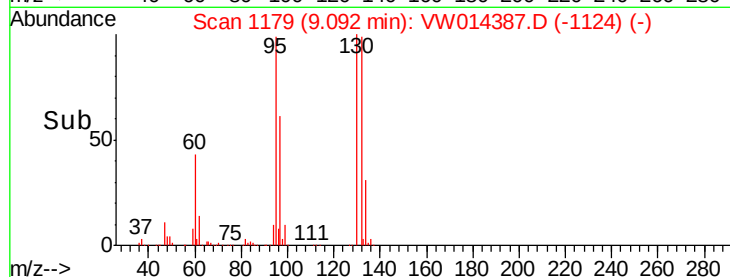
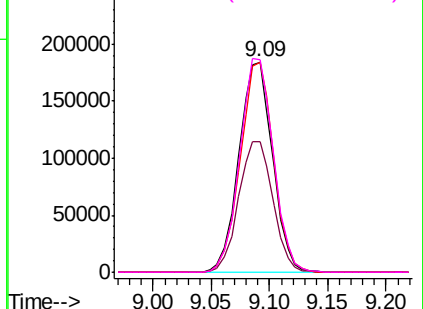
#35
 Trichloroethene
 Concen: 20.519 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014387.D
 Acq: 17 Dec 2019 12:51

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Tgt Ion:	95	Resp:	371479
Ion	Ratio	Lower	Upper
95	100		
97	63.3	45.1	83.9
132	98.4	73.7	136.9
130	101.4	76.6	142.2

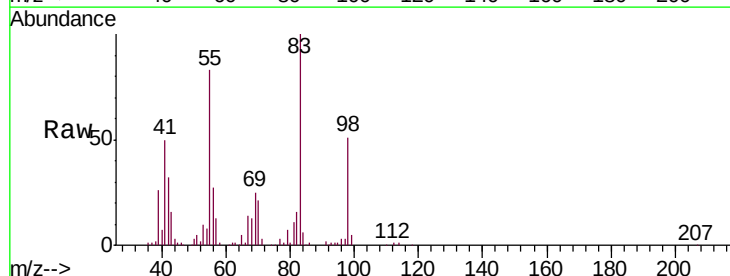


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

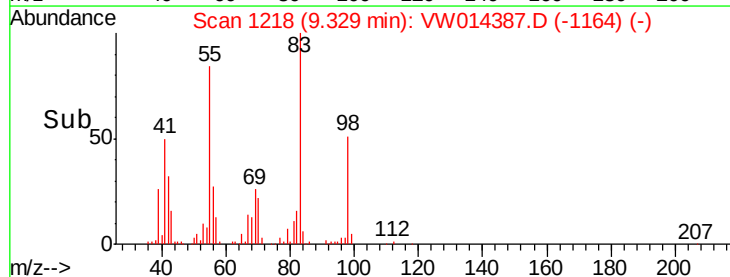
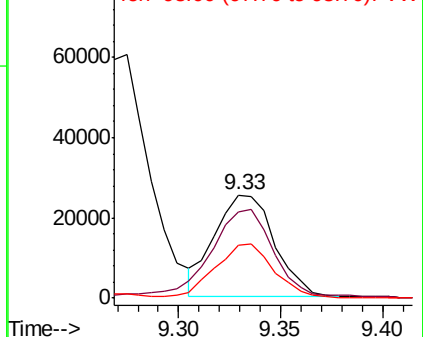


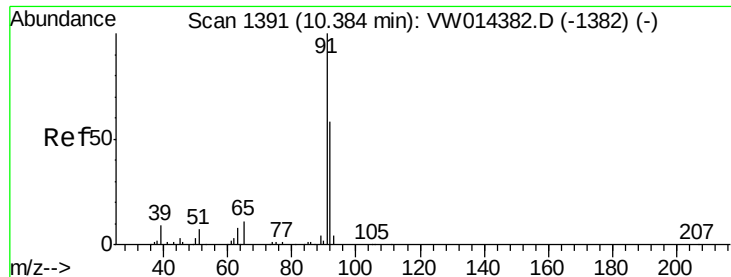
#36
 Methylcyclohexane
 Concen: 1.705 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW014387.D
 Acq: 17 Dec 2019 12:51

Tgt Ion:	83	Resp:	51876
Ion	Ratio	Lower	Upper
83	100		
55	93.8	59.8	89.8#
98	52.3	39.5	59.3



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: 25.769 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014387.D

Acq: 17 Dec 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

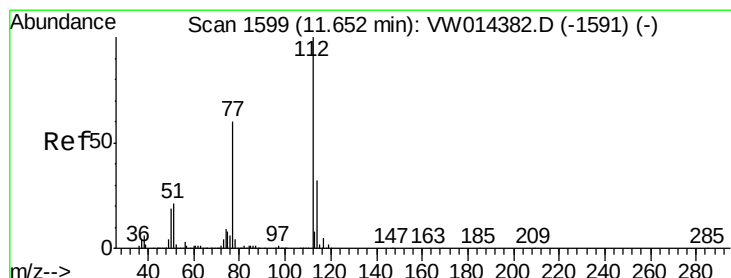
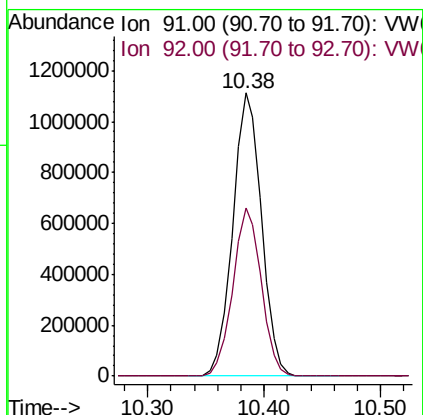
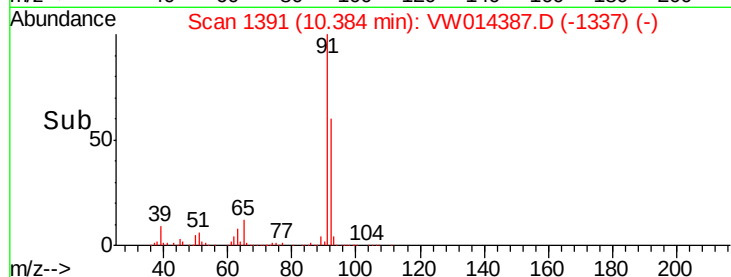
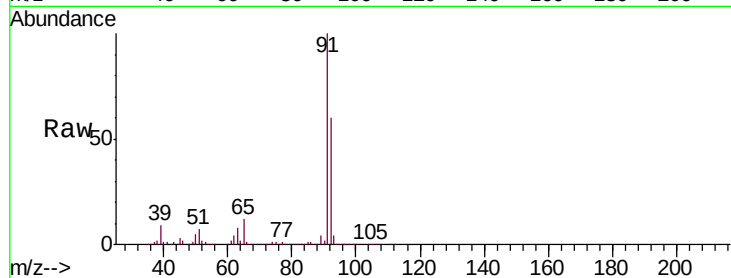
ETK88MS

Tgt Ion: 91 Resp: 1911643

Ion Ratio Lower Upper

91 100

92 59.6 40.7 75.7



#52

Chlorobenzene

Concen: 20.579 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VW014387.D

Acq: 17 Dec 2019 12:51

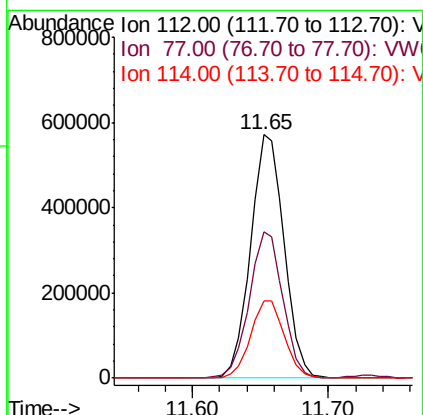
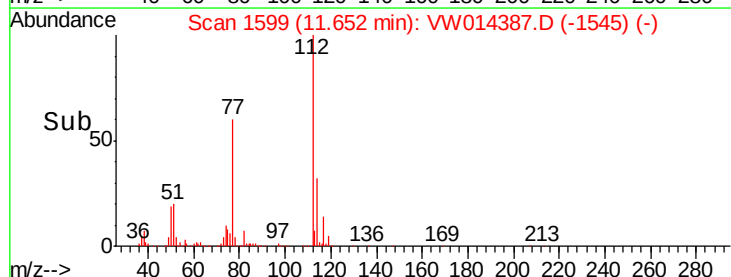
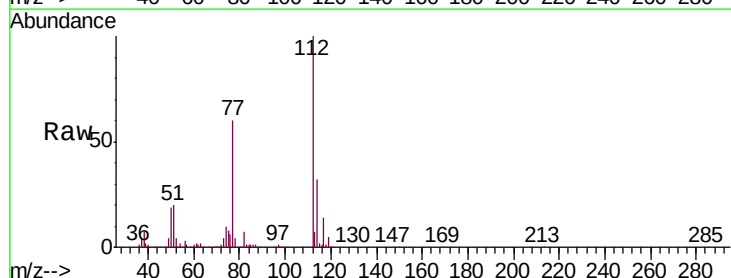
Tgt Ion: 112 Resp: 986659

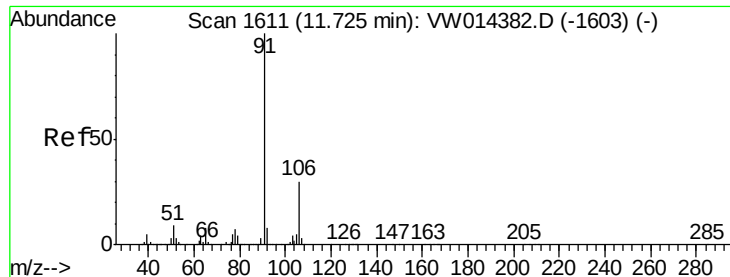
Ion Ratio Lower Upper

112 100

77 60.2 42.2 63.4

114 32.0 22.5 41.9





#53

Ethylbenzene

Concen: 1.498 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW014387.D

Acq: 17 Dec 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

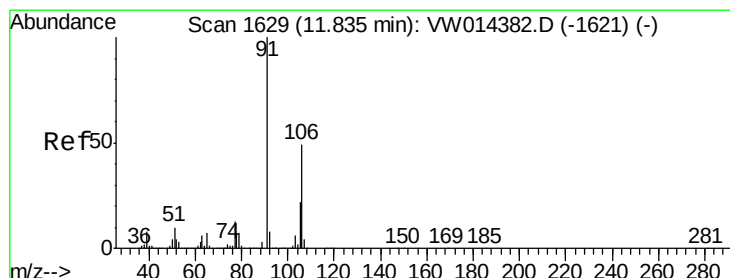
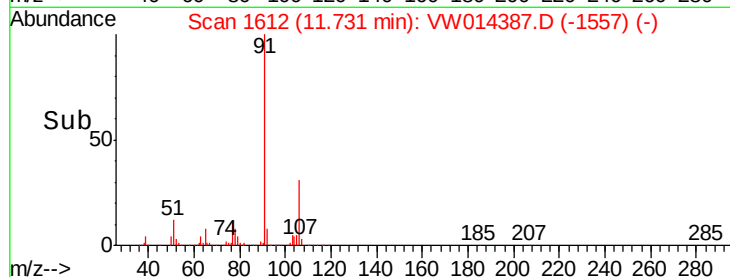
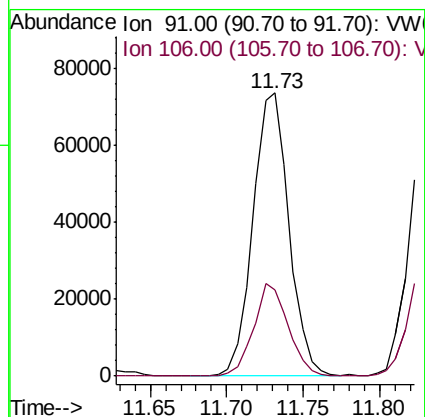
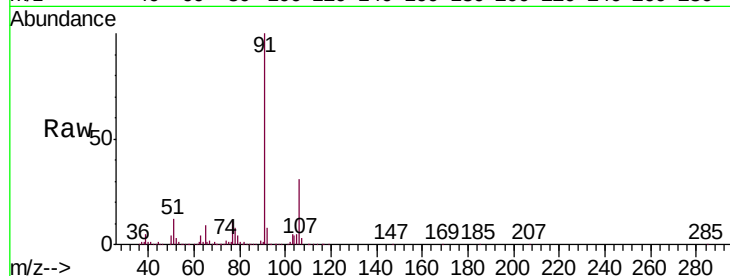
ETK88MS

Tgt Ion: 91 Resp: 120617

Ion Ratio Lower Upper

91 100

106 30.6 22.3 41.5



#54

m,p-Xylene

Concen: 2.264 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014387.D

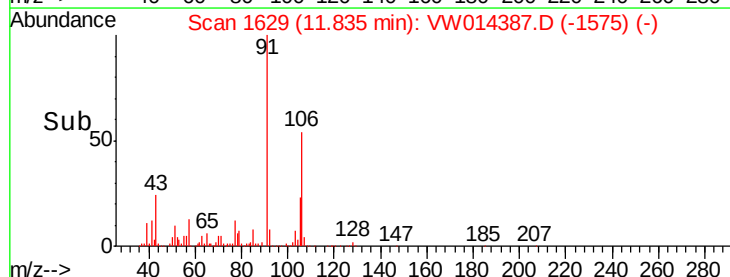
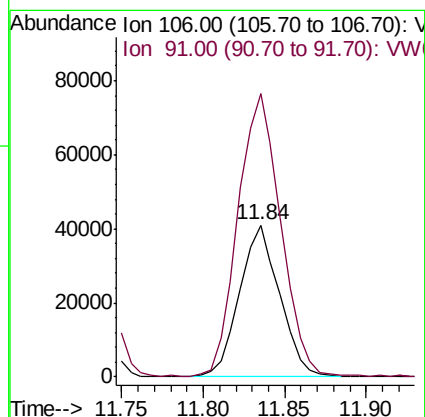
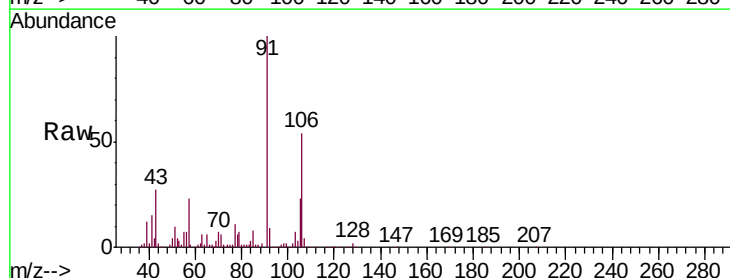
Acq: 17 Dec 2019 12:51

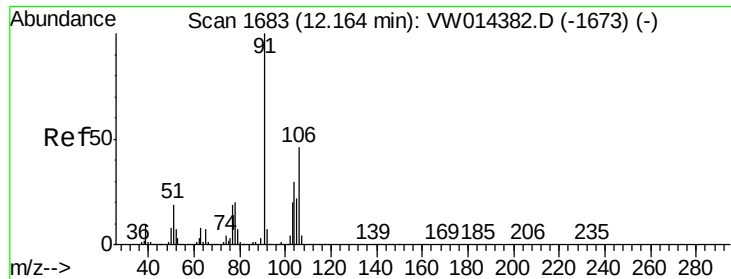
Tgt Ion: 106 Resp: 70090

Ion Ratio Lower Upper

106 100

91 186.8 138.7 257.5





#55
 o-xylene
 Concen: 0.989 ug/L
 RT: 12.16 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VW014387.D
 Acq: 17 Dec 2019 12:51

Instrument :
 MSVOA_W
 ClientSampleId :
 ETK88MS

Tgt Ion:106 Resp: 29053
 Ion Ratio Lower Upper
 106 100
 91 211.5 148.3 275.5

