

Data File : VW011258.D
Acq On : 15 Jul 2019 13:54
Operator : SY/VA
Sample : K3760-16MSD
Misc : 5.57G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DB8Z4MSD

Quant Time: Jul 16 05:06:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 16 05:02:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	258703	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	174308	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	48584	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	74281	18.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.20%
7) Chloroethane-d5	2.89	69	58988	21.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.12%
10) 1,1-Dichloroethene-d2	4.03	63	184453	22.05	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.20%
20) 2-Butanone-d5	7.07	46	52408	33.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.36%
24) Chloroform-d	7.65	84	161361	22.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.04%
26) 1,2-Dichloroethane-d4	8.31	65	89122	20.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.64%
29) Benzene-d6	8.27	84	317494	29.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.28%
33) 1,2-Dichloropropane-d6	9.27	67	109286	31.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	125.00%#
37) Toluene-d8	10.32	98	246696	25.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.12%
38) trans-1,3-Dichloropropene-	10.58	79	25809	17.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.44%
39) 2-Hexanone-d5	10.93	63	24083	30.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	60539	20.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	42293	22.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.72%

Target Compounds

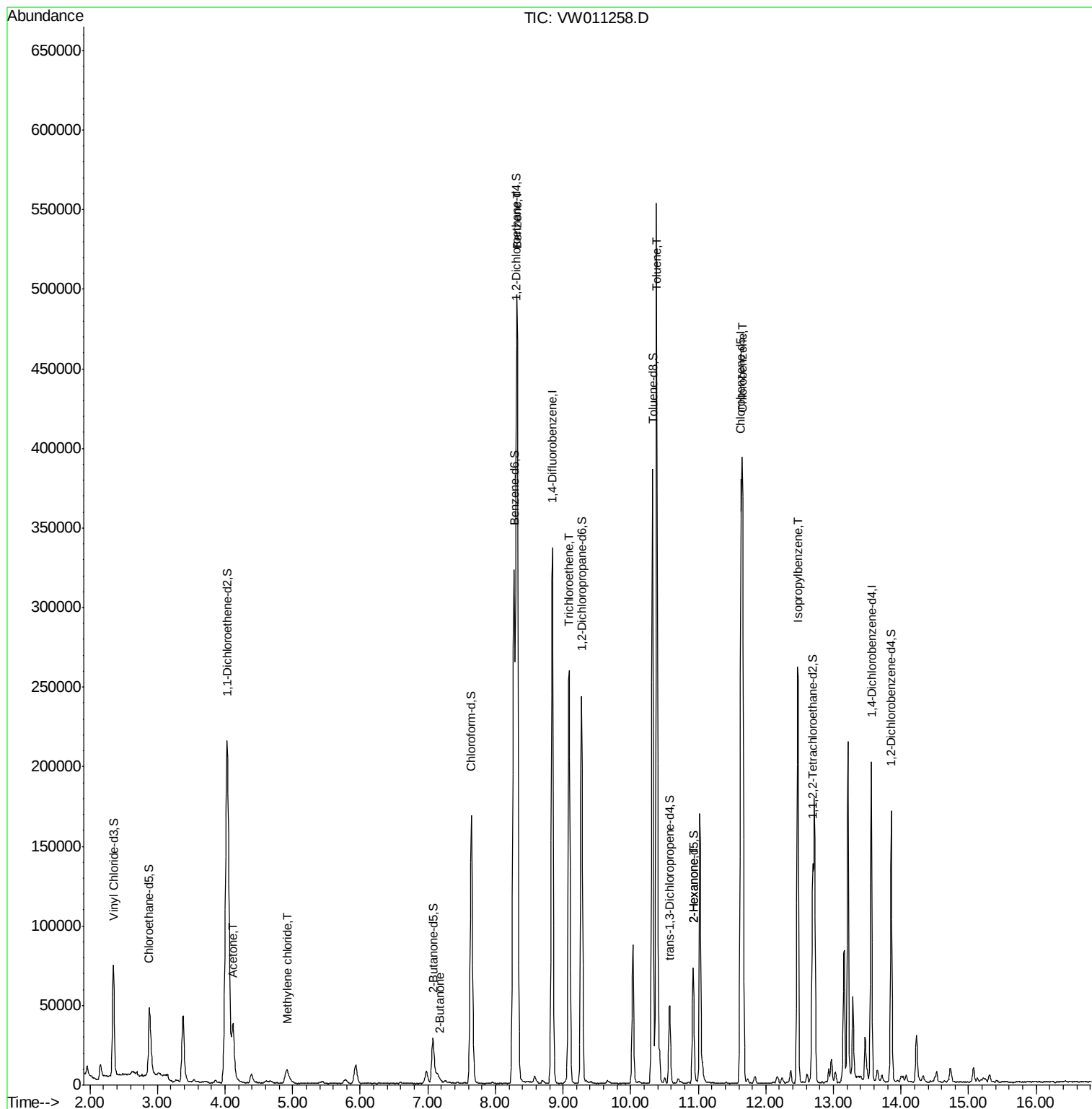
						Qvalue
13) Acetone	4.12	43	57924	38.110	ug/L	99
16) Methylene chloride	4.92	84	7104	1.869	ug/L	93
21) 2-Butanone	7.18	43	3262	1.663	ug/L	86
34) Benzene	8.32	78	412626	37.876	ug/L	100
35) Trichloroethene	9.09	95	91022	33.110	ug/L	99
44) Toluene	10.38	91	379238	33.633	ug/L	100
49) 2-Hexanone	10.93	43	3918	1.945	ug/L #	66
52) Chlorobenzene	11.66	112	179068	25.994	ug/L	99
57) Isopropylbenzene	12.47	105	10895	0.903	ug/L #	1

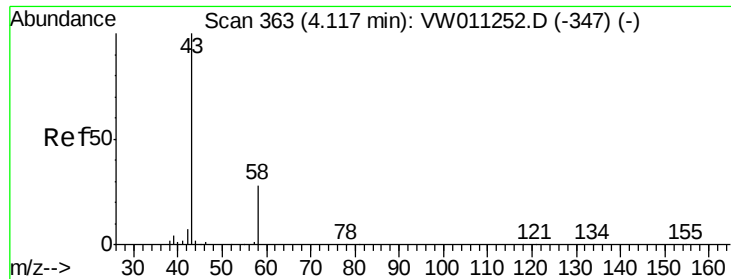
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 38.110 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

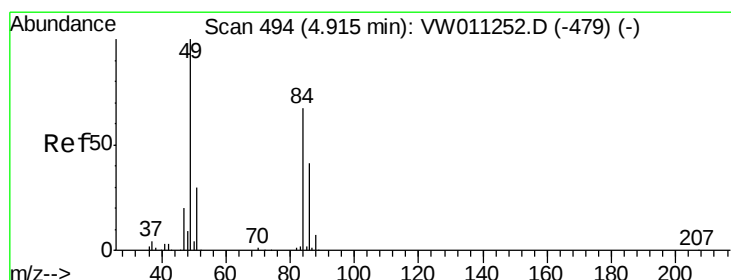
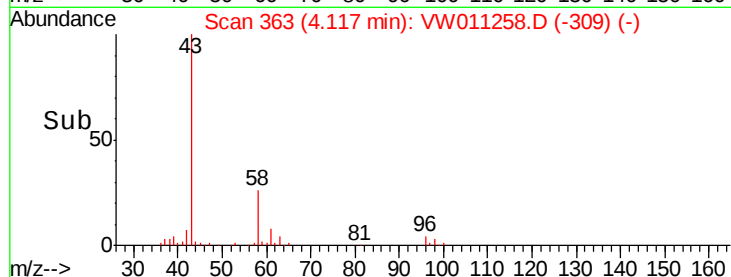
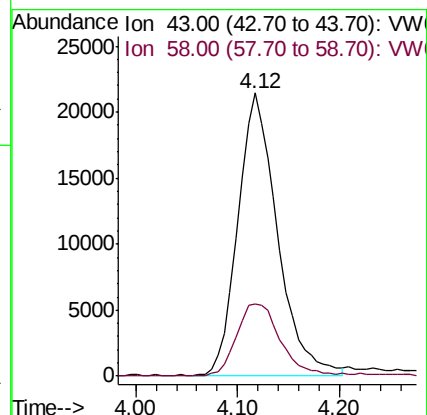
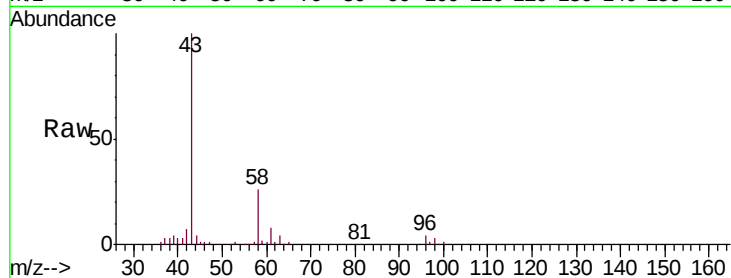
DB8Z4MSD

Tgt Ion: 43 Resp: 57924

Ion Ratio Lower Upper

43 100

58 28.2 0.0 55.0



#16

Methylene chloride

Concen: 1.869 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

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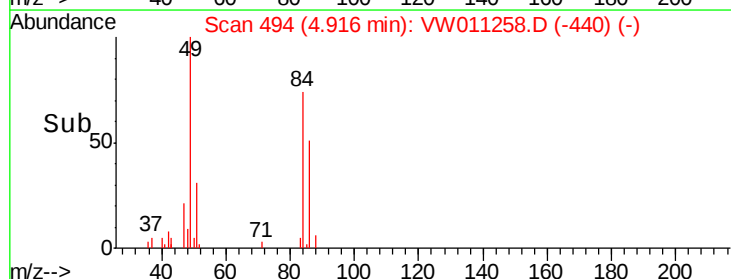
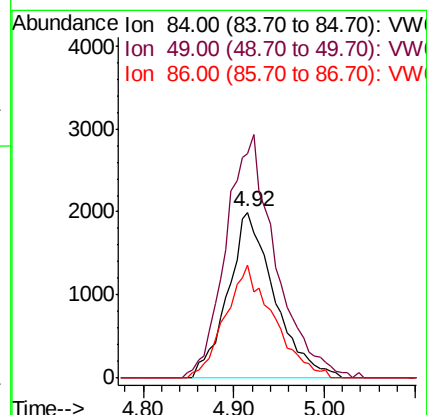
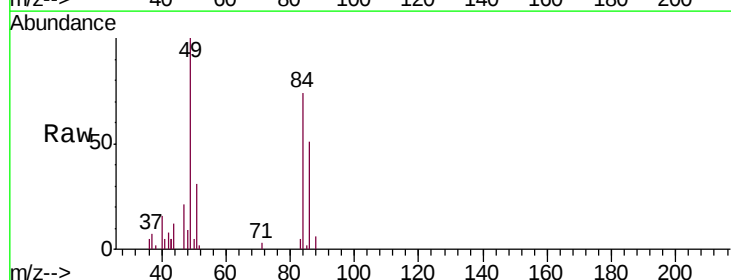
Tgt Ion: 84 Resp: 7104

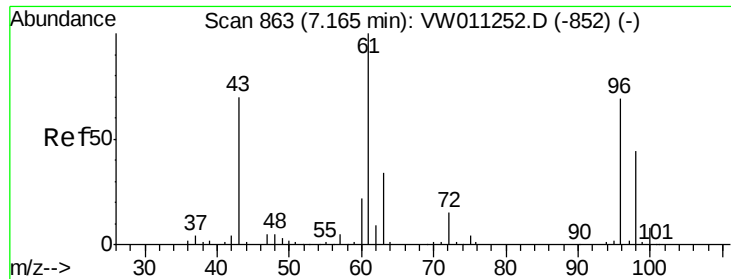
Ion Ratio Lower Upper

84 100

49 135.1 102.5 190.3

86 68.3 46.4 86.2





#21

2-Butanone

Concen: 1.663 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011258.D

Acq: 15 Jul 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

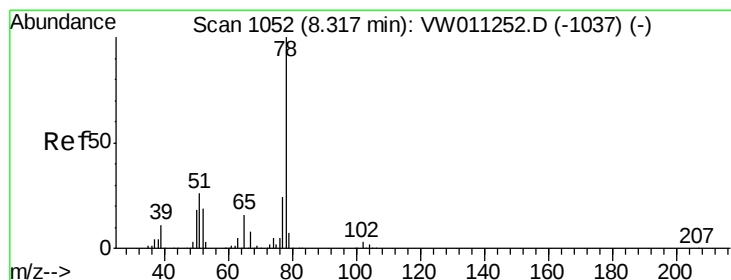
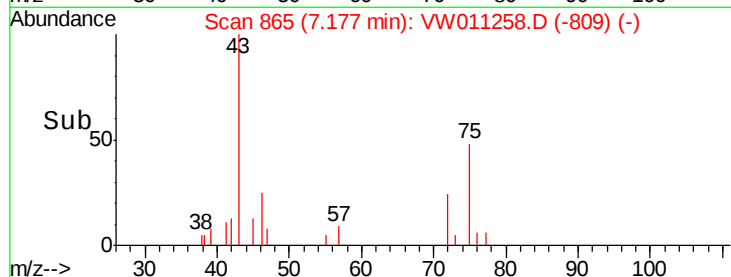
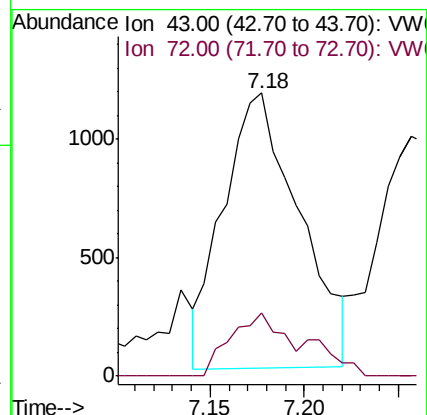
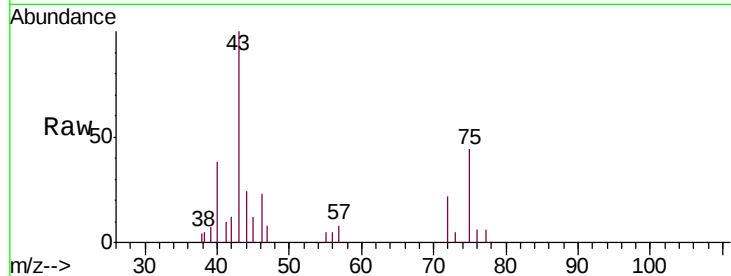
DB8Z4MSD

Tgt Ion: 43 Resp: 3262

Ion Ratio Lower Upper

43 100

72 15.8 11.2 33.6



#34

Benzene

Concen: 37.876 ug/L

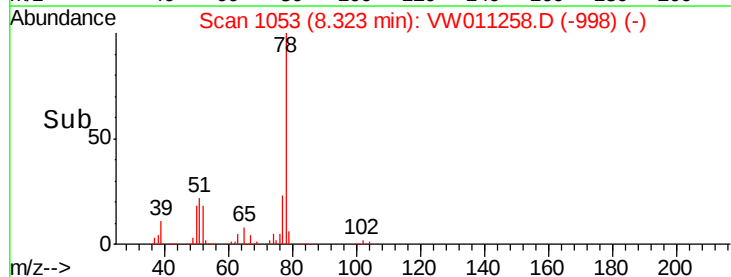
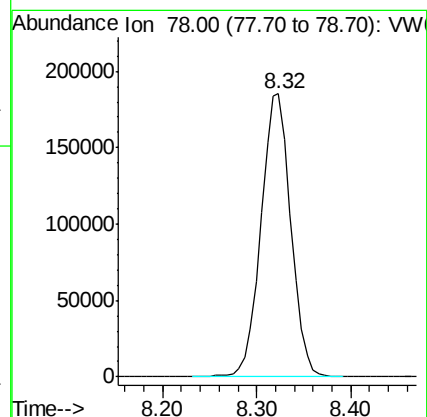
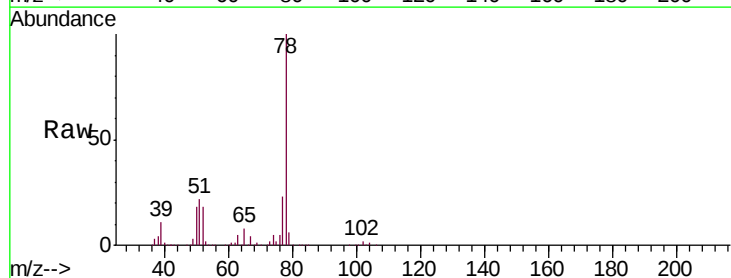
RT: 8.32 min Scan# 1053

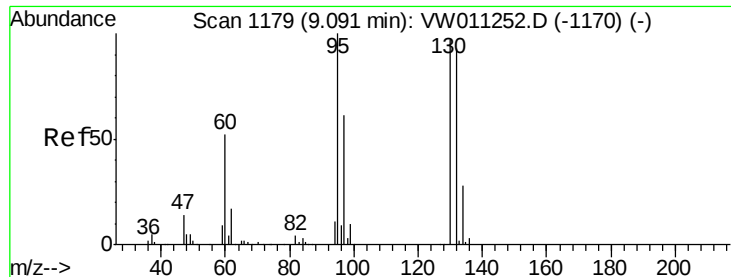
Delta R.T. 0.01 min

Lab File: VW011258.D

Acq: 15 Jul 2019 13:54

Tgt Ion: 78 Resp: 412626





#35

Trichloroethene

Concen: 33.110 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011258.D

Acq: 15 Jul 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

DB8Z4MSD

Tgt Ion: 95 Resp: 91022

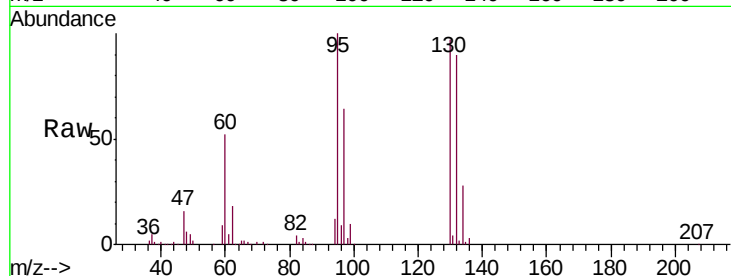
Ion Ratio Lower Upper

95 100

97 64.1 45.4 84.2

132 91.9 65.0 120.8

130 96.4 67.8 126.0

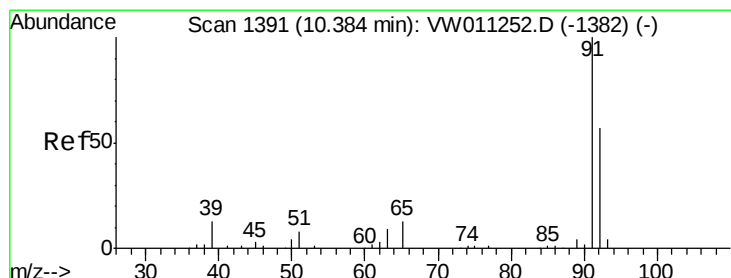
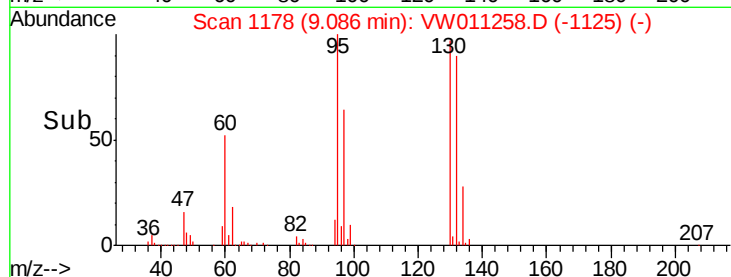
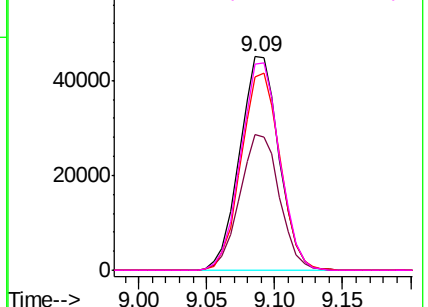


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#44

Toluene

Concen: 33.633 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011258.D

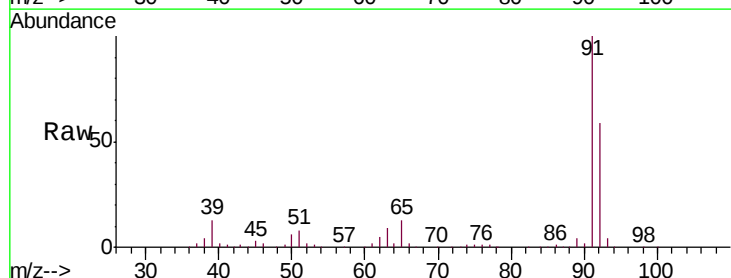
Acq: 15 Jul 2019 13:54

Tgt Ion: 91 Resp: 379238

Ion Ratio Lower Upper

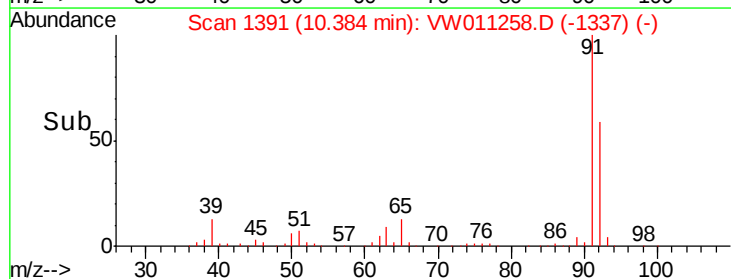
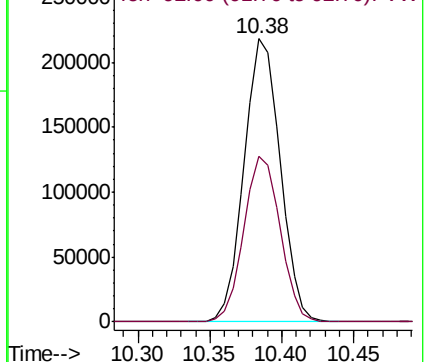
91 100

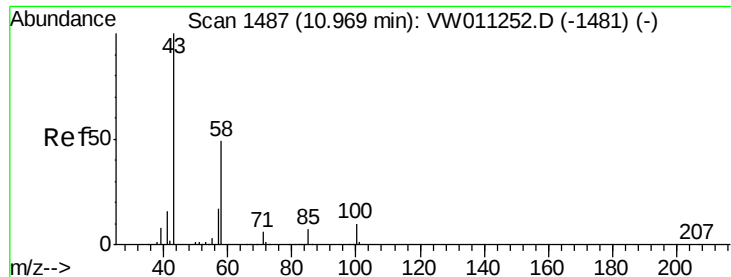
92 58.6 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

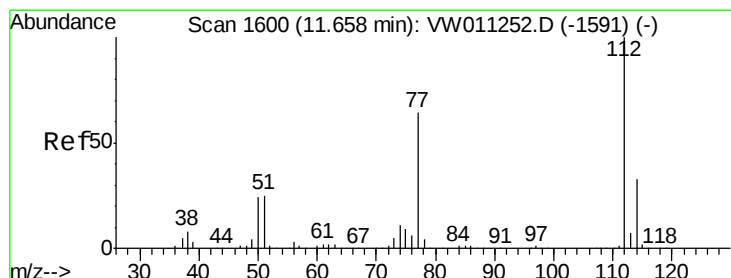
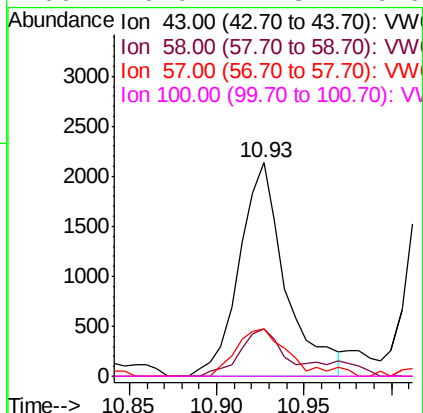
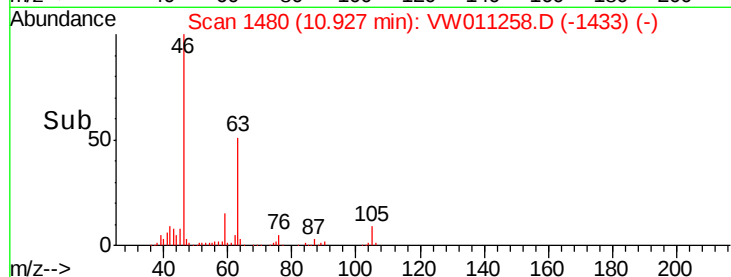
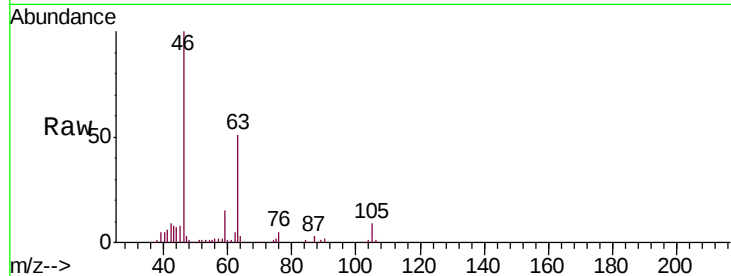




#49
2-Hexanone
Concen: 1.945 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW011258.D
Acq: 15 Jul 2019 13:54

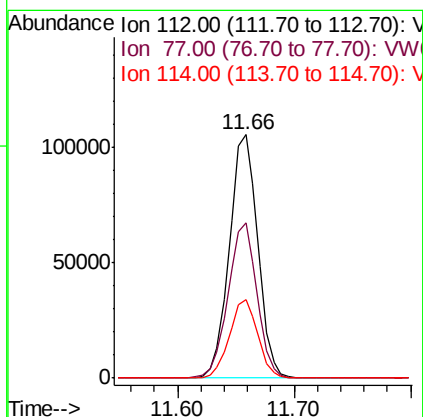
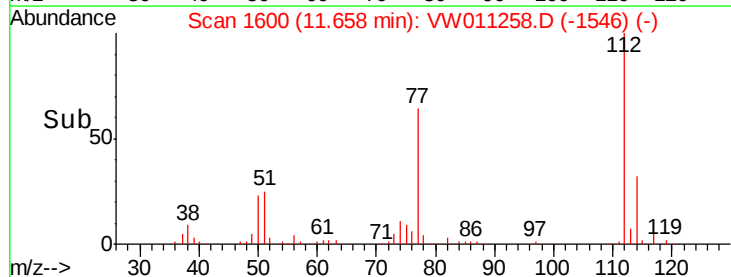
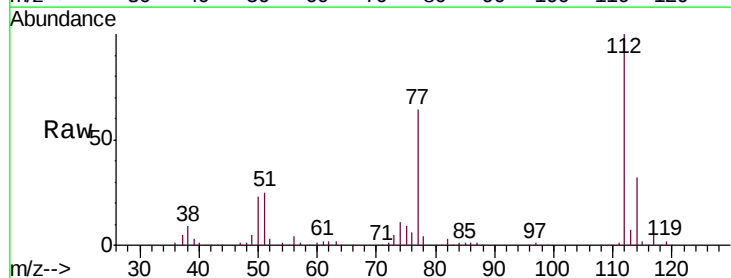
Instrument :
MSVOA_W
ClientSampleId :
DB8Z4MSD

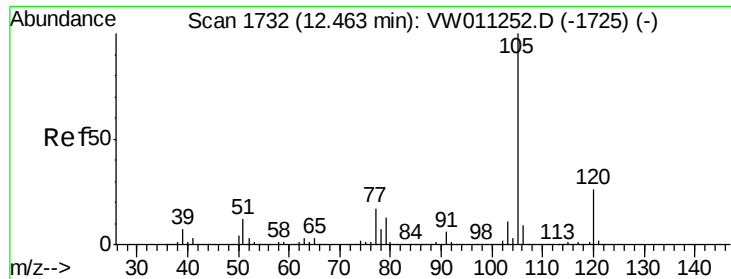
Tgt Ion: 43 Resp: 3918
Ion Ratio Lower Upper
43 100
58 19.8 38.4 57.6#
57 22.9 13.3 19.9#
100 0.0 7.3 10.9#



#52
Chlorobenzene
Concen: 25.994 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011258.D
Acq: 15 Jul 2019 13:54

Tgt Ion: 112 Resp: 179068
Ion Ratio Lower Upper
112 100
77 63.7 51.2 76.8
114 32.1 22.0 40.8





#57

Isopropylbenzene

Concen: 0.903 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW011258.D

Acq: 15 Jul 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

DB8Z4MSD

Tgt Ion:105 Resp: 10895

Ion Ratio Lower Upper

105 100

120 7.6 20.7 31.1#

77 289.2 13.5 20.3#

