

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042919\
 Data File : VW010225.D
 Acq On : 30 Apr 2019 18:40
 Operator : SY/VA
 Sample : K2604-16MSD
 Misc : 5.03G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAJ88MSD

Quant Time: May 01 03:57:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 01 03:52:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	393358	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	394730	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	196766	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	70526	15.80	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.20%
7) Chloroethane-d5	2.89	69	59756	16.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.32%
10) 1,1-Dichloroethene-d2	4.01	63	202693	20.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.72%
20) 2-Butanone-d5	7.08	46	75823	46.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.14%
24) Chloroform-d	7.64	84	217401	21.33	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.32%
26) 1,2-Dichloroethane-d4	8.31	65	128671	21.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.88%
29) Benzene-d6	8.27	84	390982	18.39	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	73.56%
33) 1,2-Dichloropropane-d6	9.27	67	135904	20.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.88%
37) Toluene-d8	10.32	98	334369	17.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	69.20%
38) trans-1,3-Dichloropropene-	10.57	79	54769	17.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	71.60%
39) 2-Hexanone-d5	10.93	63	57783	41.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	118323	20.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	150121	20.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.16%

Target Compounds

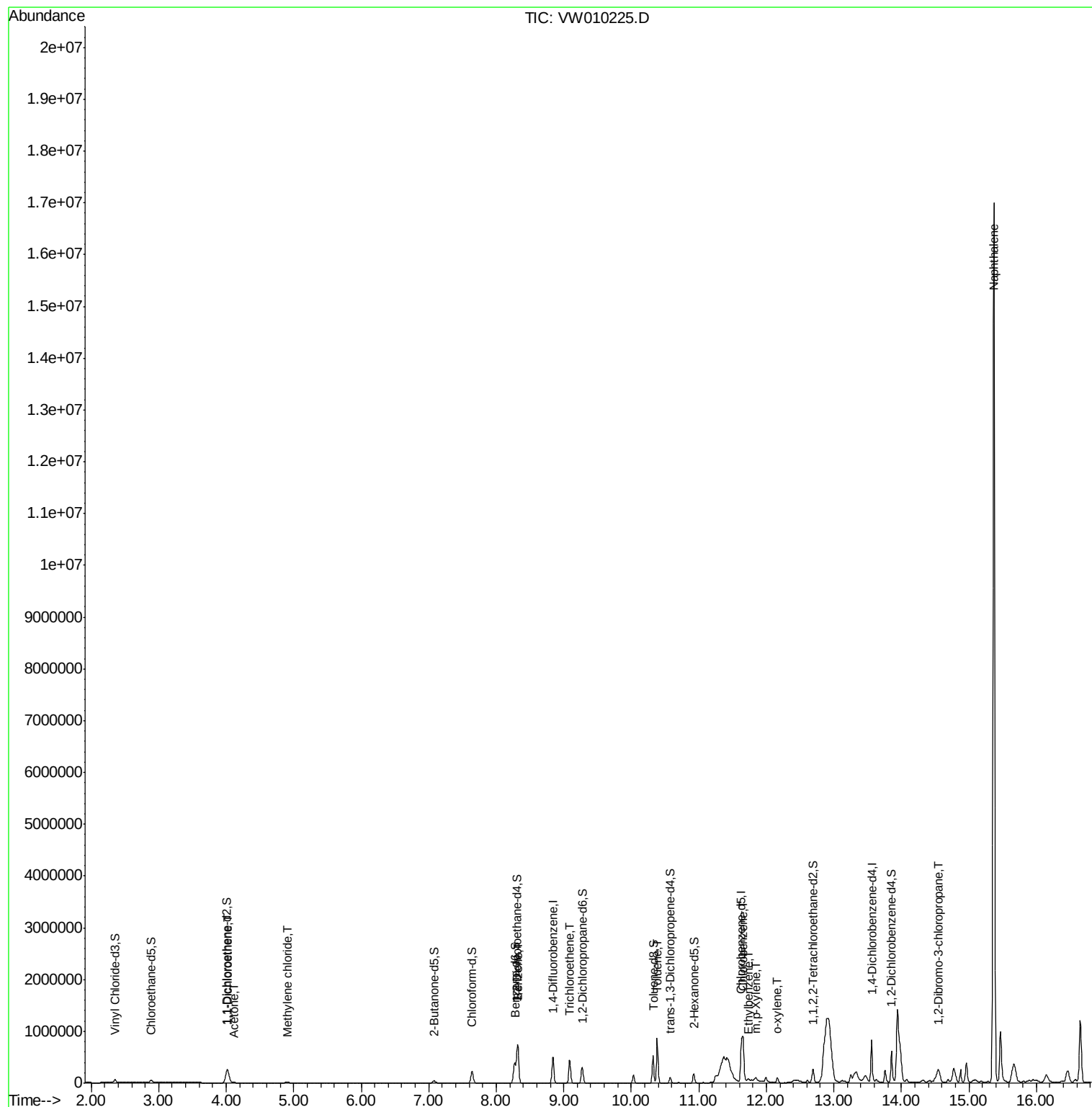
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.03	96	114540	23.983	ug/L	84
13) Acetone	4.12	43	12376	9.515	ug/L	78
16) Methylene chloride	4.90	84	15909	2.430	ug/L	96
34) Benzene	8.32	78	626818	28.298	ug/L	100
35) Trichloroethene	9.09	95	147563	24.984	ug/L	94
44) Toluene	10.39	91	626872	26.443	ug/L	99
52) Chlorobenzene	11.66	112	402300	25.905	ug/L	100
53) Ethylbenzene	11.73	91	17463	0.651	ug/L	96
54) m,p-Xylene	11.85	106	14135	1.399	ug/L	85
55) o-xylene	12.16	106	23450	2.456	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.54	75	18438	19.839	ug/L #	5
69) Naphthalene	15.37	128	13534760	892.688	ug/L	97

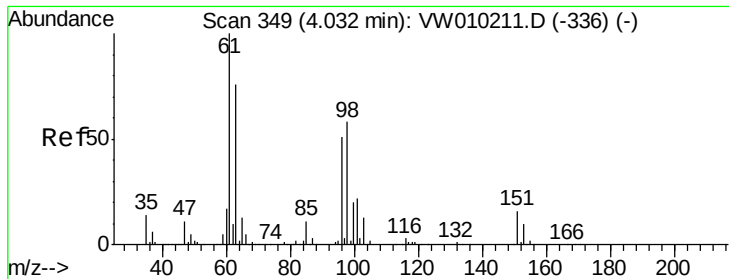
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
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QLast Update : Wed May 01 03:52:51 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 23.983 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.01 min

Lab File: VW010225.D

Acq: 30 Apr 2019 18:40

Instrument :

MSVOA_W

ClientSampleId :

GAJ88MSD

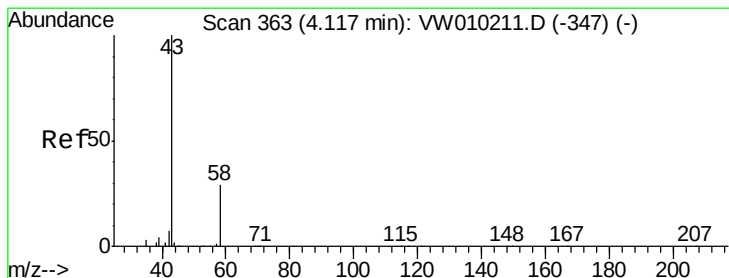
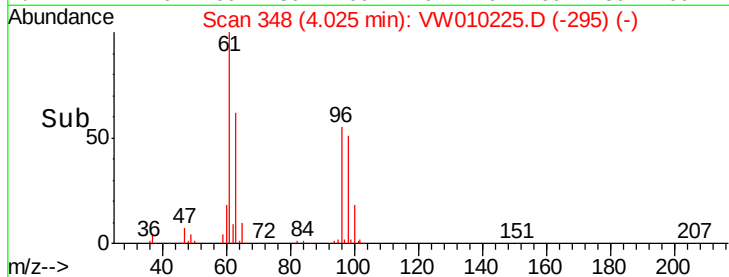
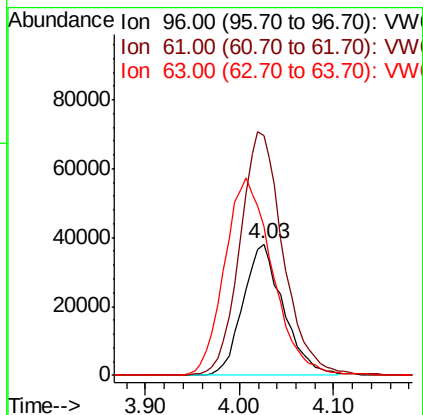
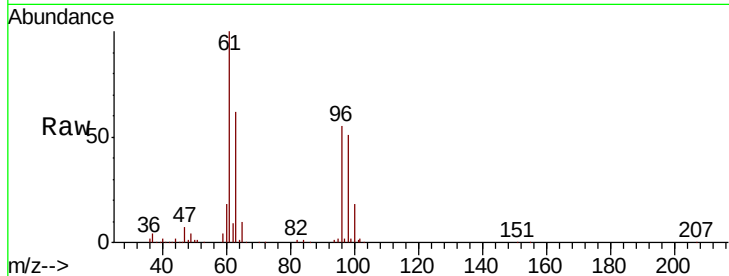
Tgt Ion: 96 Resp: 114540

Ion Ratio Lower Upper

96 100

61 183.2 125.2 232.6

63 113.2 106.3 197.3



#13

Acetone

Concen: 9.515 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010225.D

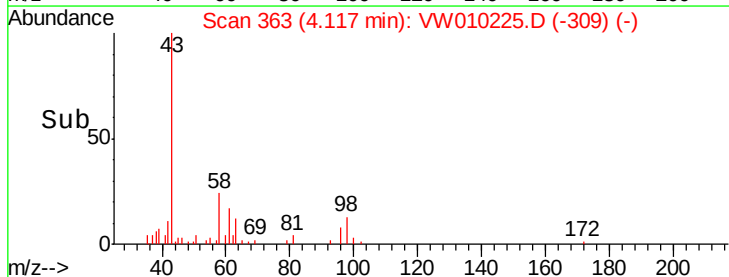
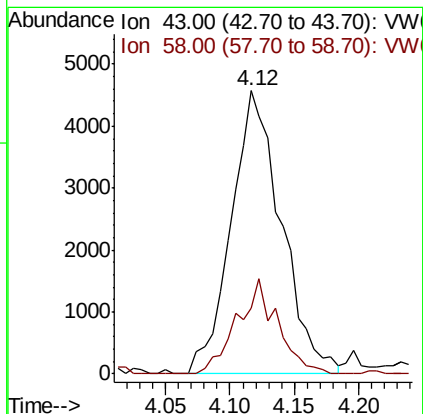
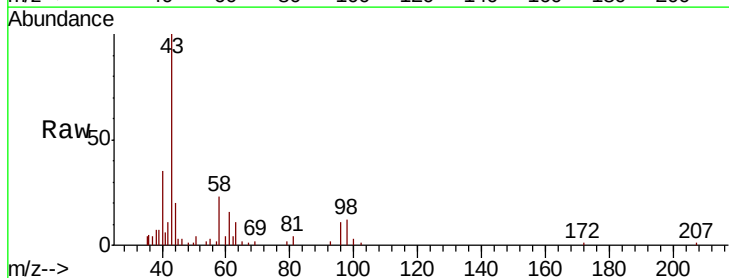
Acq: 30 Apr 2019 18:40

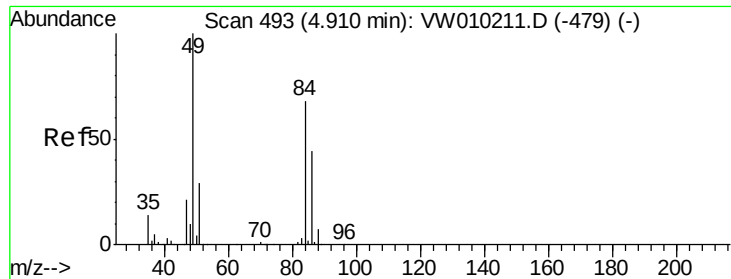
Tgt Ion: 43 Resp: 12376

Ion Ratio Lower Upper

43 100

58 18.0 0.0 59.8

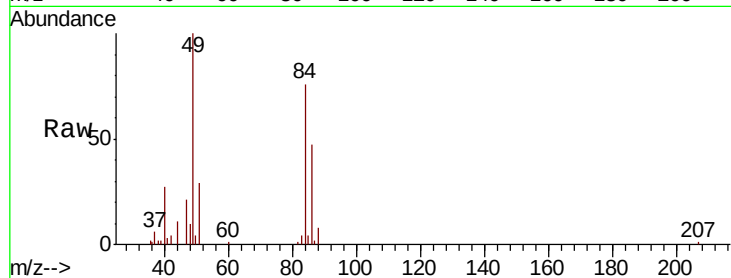




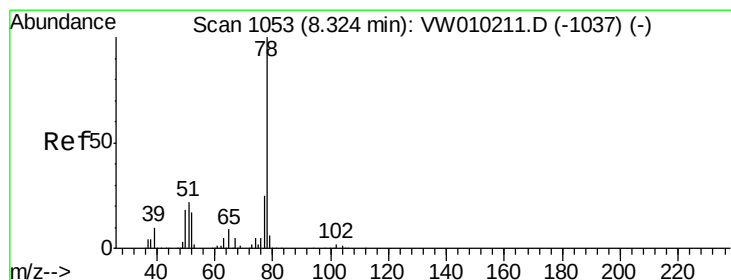
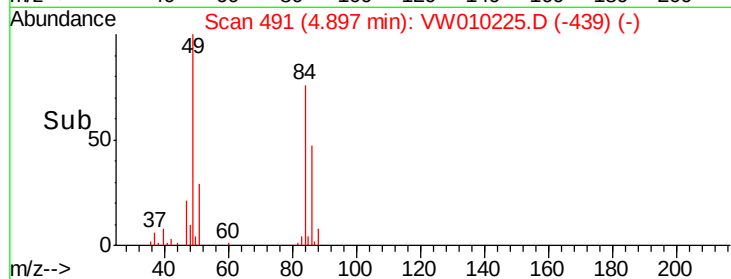
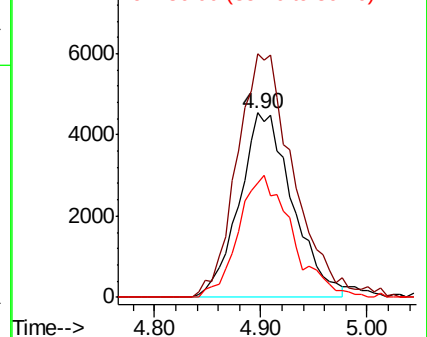
#16
Methylene chloride
Concen: 2.430 ug/L
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW010225.D
Acq: 30 Apr 2019 18:40

Instrument :
MSVOA_W
ClientSampleId :
GAJ88MSD

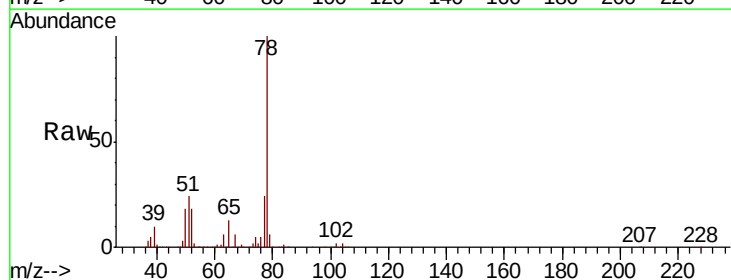
Tgt Ion: 84 Resp: 15909
Ion Ratio Lower Upper
84 100
49 132.1 90.2 167.6
86 61.7 46.3 86.1



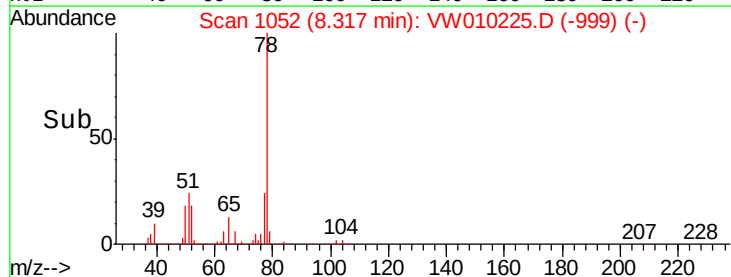
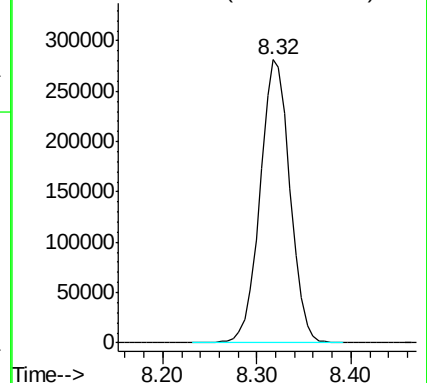
Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

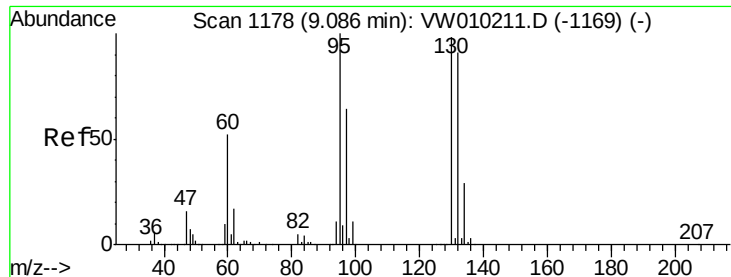


#34
Benzene
Concen: 28.298 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW010225.D
Acq: 30 Apr 2019 18:40
Tgt Ion: 78 Resp: 626818



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.984 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW010225.D

Acq: 30 Apr 2019 18:40

Instrument :

MSVOA_W

ClientSampleId :

GAJ88MSD

Tgt Ion: 95 Resp: 147563

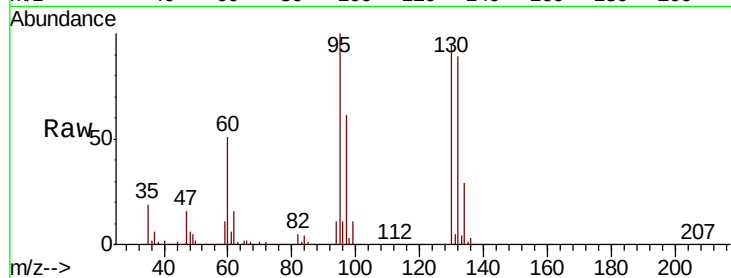
Ion Ratio Lower Upper

95 100

97 62.5 45.4 84.2

132 91.9 69.2 128.6

130 97.2 72.2 134.2

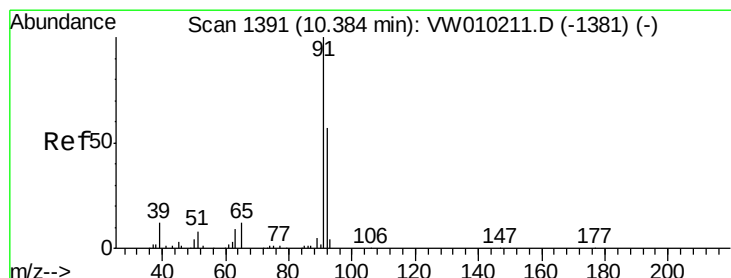
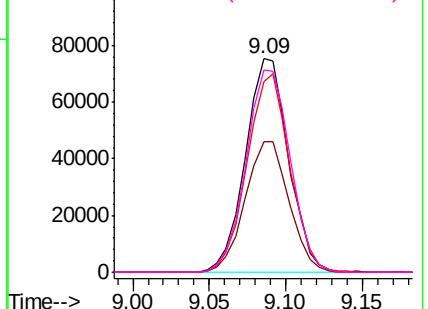
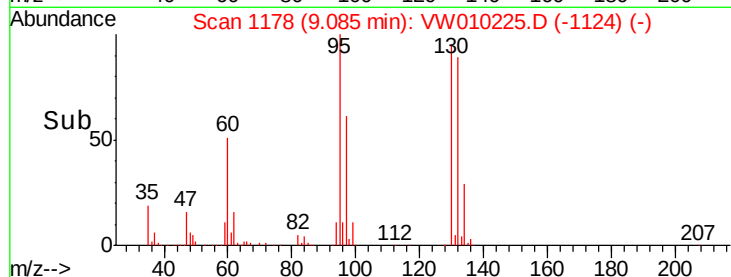


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#44

Toluene

Concen: 26.443 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW010225.D

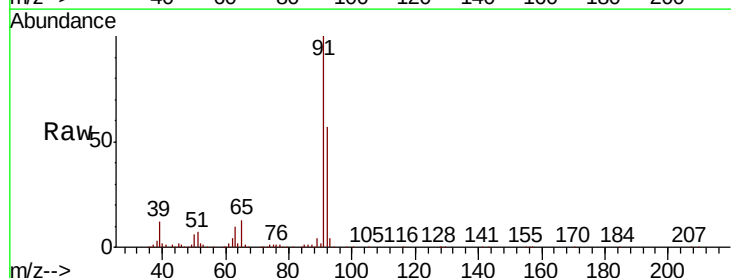
Acq: 30 Apr 2019 18:40

Tgt Ion: 91 Resp: 626872

Ion Ratio Lower Upper

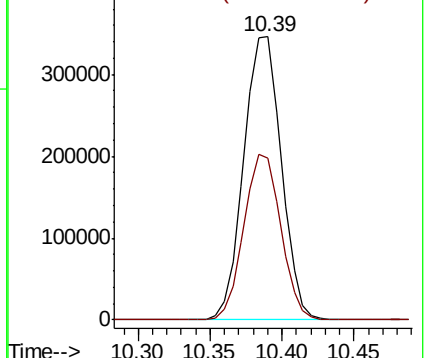
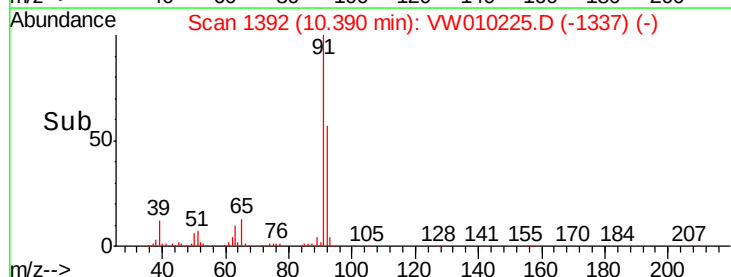
91 100

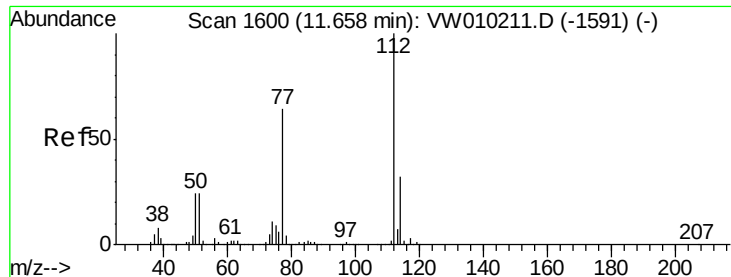
92 57.1 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#52

Chlorobenzene

Concen: 25.905 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010225.D

Acq: 30 Apr 2019 18:40

Instrument :

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ClientSampleId :

GAJ88MSD

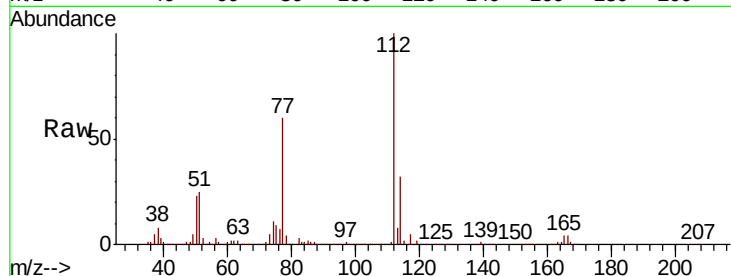
Tgt Ion: 112 Resp: 402300

Ion Ratio Lower Upper

112 100

77 60.4 48.2 72.2

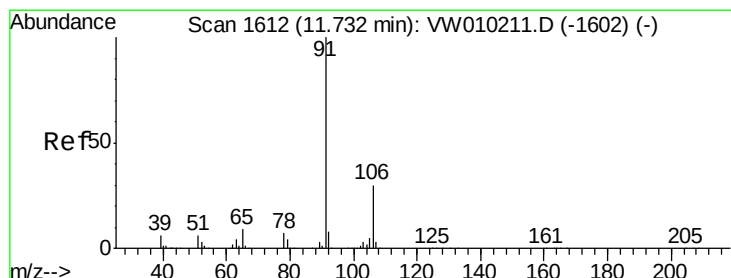
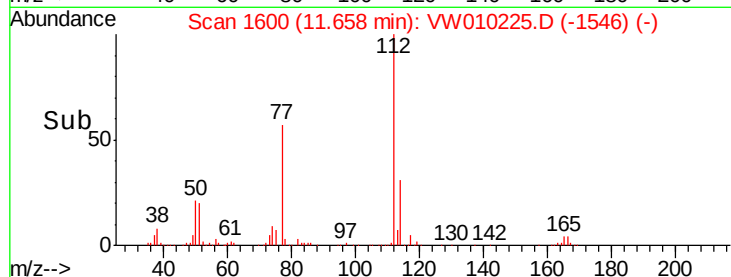
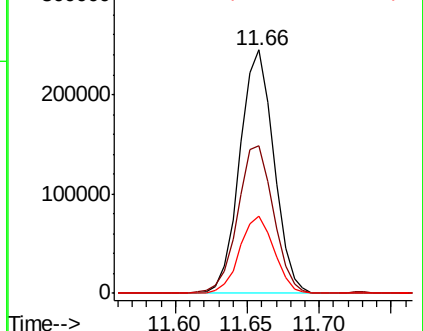
114 31.6 22.2 41.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 0.651 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010225.D

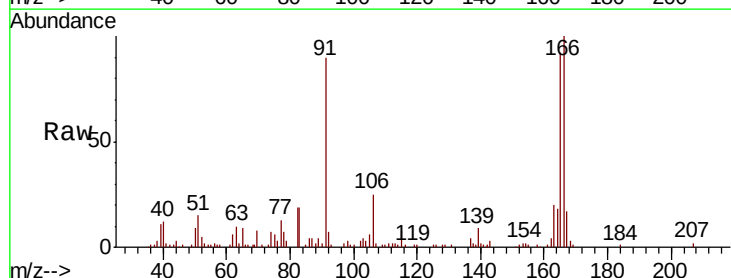
Acq: 30 Apr 2019 18:40

Tgt Ion: 91 Resp: 17463

Ion Ratio Lower Upper

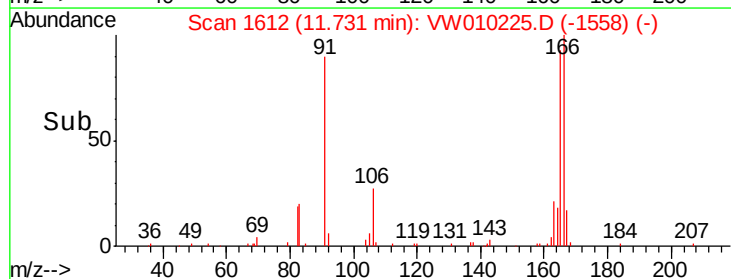
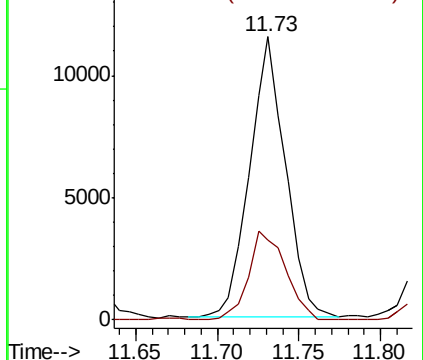
91 100

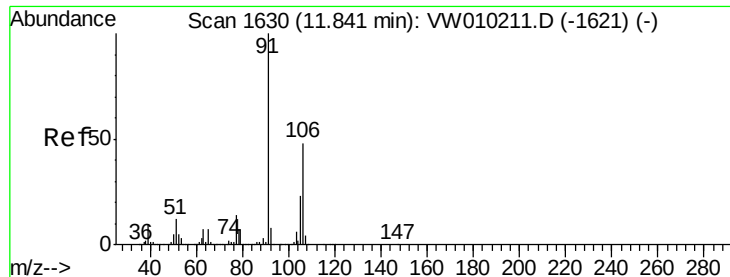
106 28.1 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 1.399 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW010225.D

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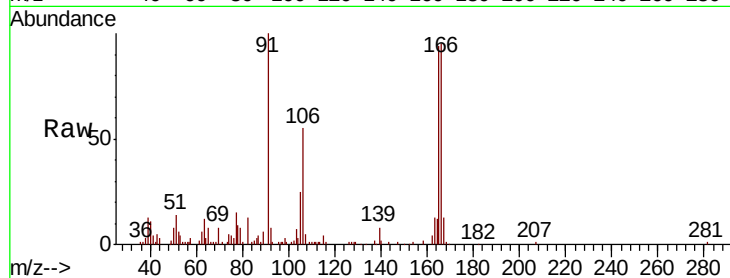
GAJ88MSD

Tgt Ion:106 Resp: 14135

Ion Ratio Lower Upper

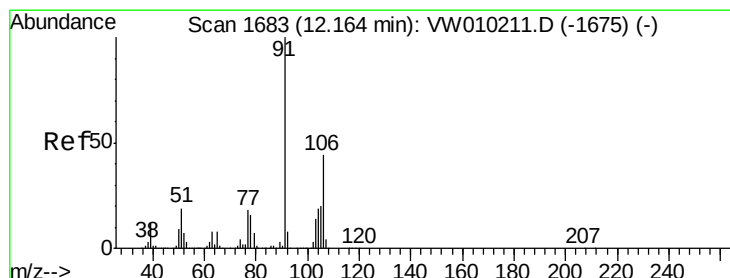
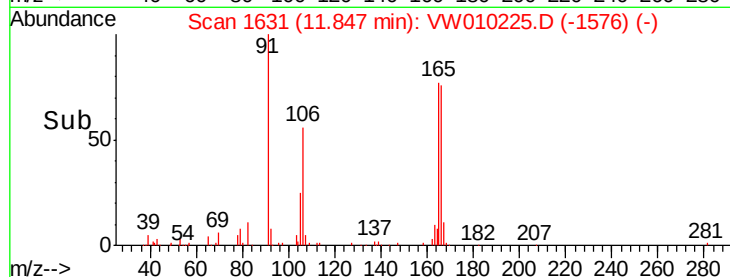
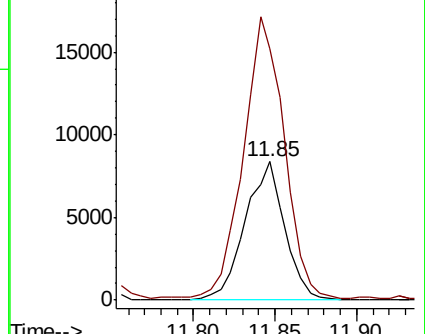
106 100

91 181.6 143.8 267.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.456 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW010225.D

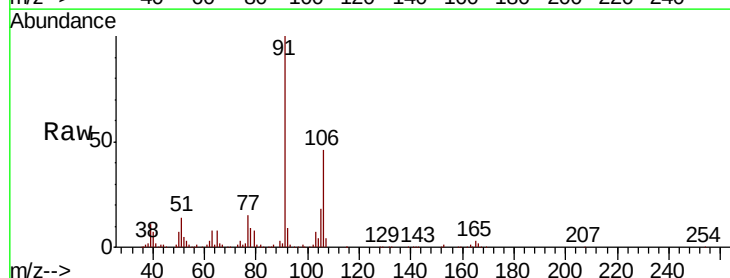
Acq: 30 Apr 2019 18:40

Tgt Ion:106 Resp: 23450

Ion Ratio Lower Upper

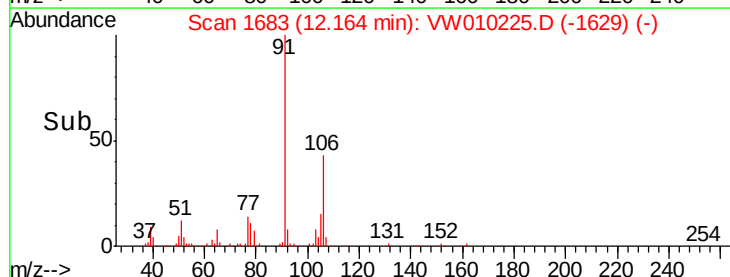
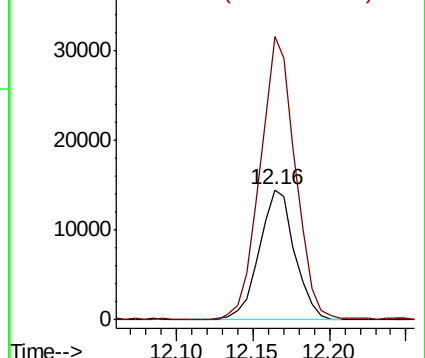
106 100

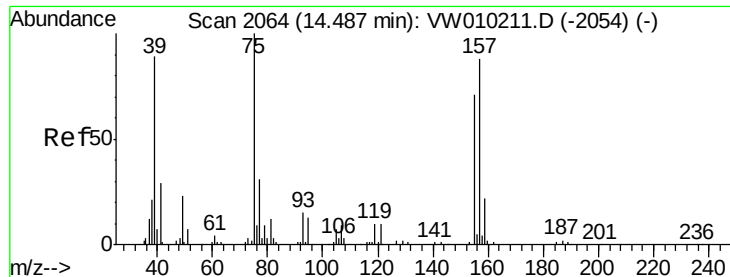
91 218.0 156.2 290.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

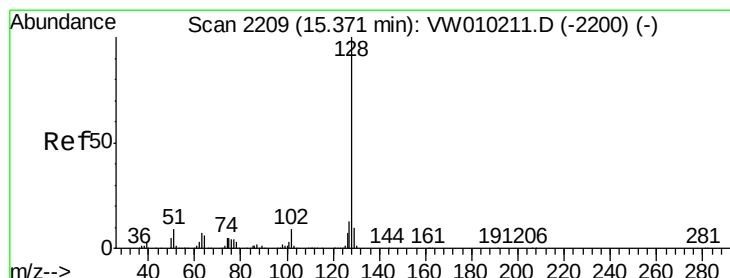
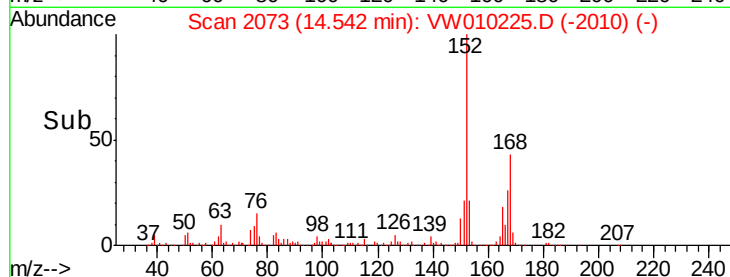
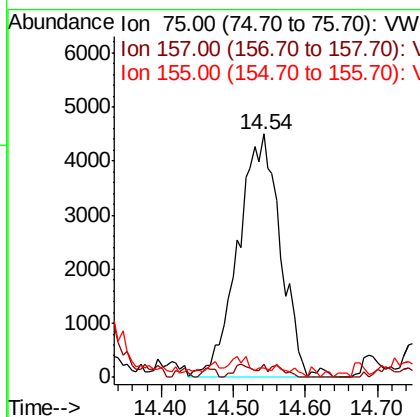
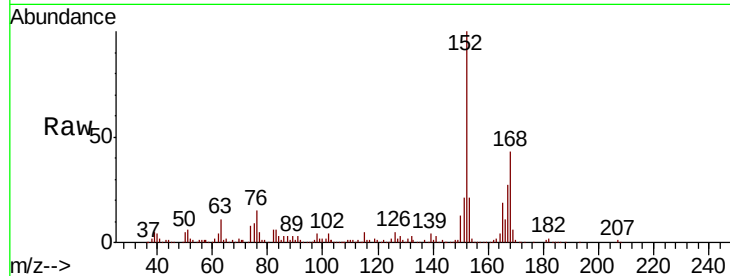




#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.839 ug/L
 RT: 14.54 min Scan# 2073
 Delta R.T. 0.05 min
 Lab File: VW010225.D
 Acq: 30 Apr 2019 18:40

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Tgt Ion: 75 Resp: 18438
 Ion Ratio Lower Upper
 75 100
 157 5.4 85.7 128.5#
 155 3.8 70.8 106.2#



#69
 Naphthalene
 Concen: 892.688 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: VW010225.D
 Acq: 30 Apr 2019 18:40

Tgt Ion: 128 Resp: 13534760
 Ion Ratio Lower Upper
 128 100
 129 11.8 8.6 12.8
 127 14.1 10.6 15.8

