

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040619\
 Data File : VW009774.D
 Acq On : 06 Apr 2019 15:56
 Operator : SY/VA
 Sample : K2277-19
 Misc : 5.66G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF2R3

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:43:06 AM

Quant Time: Apr 07 06:18:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 07 03:56:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	530539	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	498363	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	218231	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	165547	23.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.40%
7) Chloroethane-d5	2.89	69	154498	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.16%
10) 1,1-Dichloroethene-d2	4.01	63	291114	19.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.00%
20) 2-Butanone-d5	7.08	46	105922	46.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.98%
24) Chloroform-d	7.64	84	382238	26.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	8.30	65	238713	26.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.44%
29) Benzene-d6	8.27	84	723535	27.66	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.64%
33) 1,2-Dichloropropane-d6	9.27	67	222094	27.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.96%
37) Toluene-d8	10.32	98	655507	27.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.40%
38) trans-1,3-Dichloropropene-	10.57	79	95417	24.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.04%
39) 2-Hexanone-d5	10.93	63	76308	50.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	182624	24.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	213882	27.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	269159	111.445	ug/L	100
16) Methylene chloride	4.92	84	8944m	0.956	ug/L	
44) Toluene	10.39	91	146950	4.626	ug/L	99
47) Tetrachloroethene	10.86	164	2537	0.411	ug/L	87
54) m,p-Xylene	11.83	106	14065	1.051	ug/L	89
55) o-xylene	12.17	106	4557	0.358	ug/L	83

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

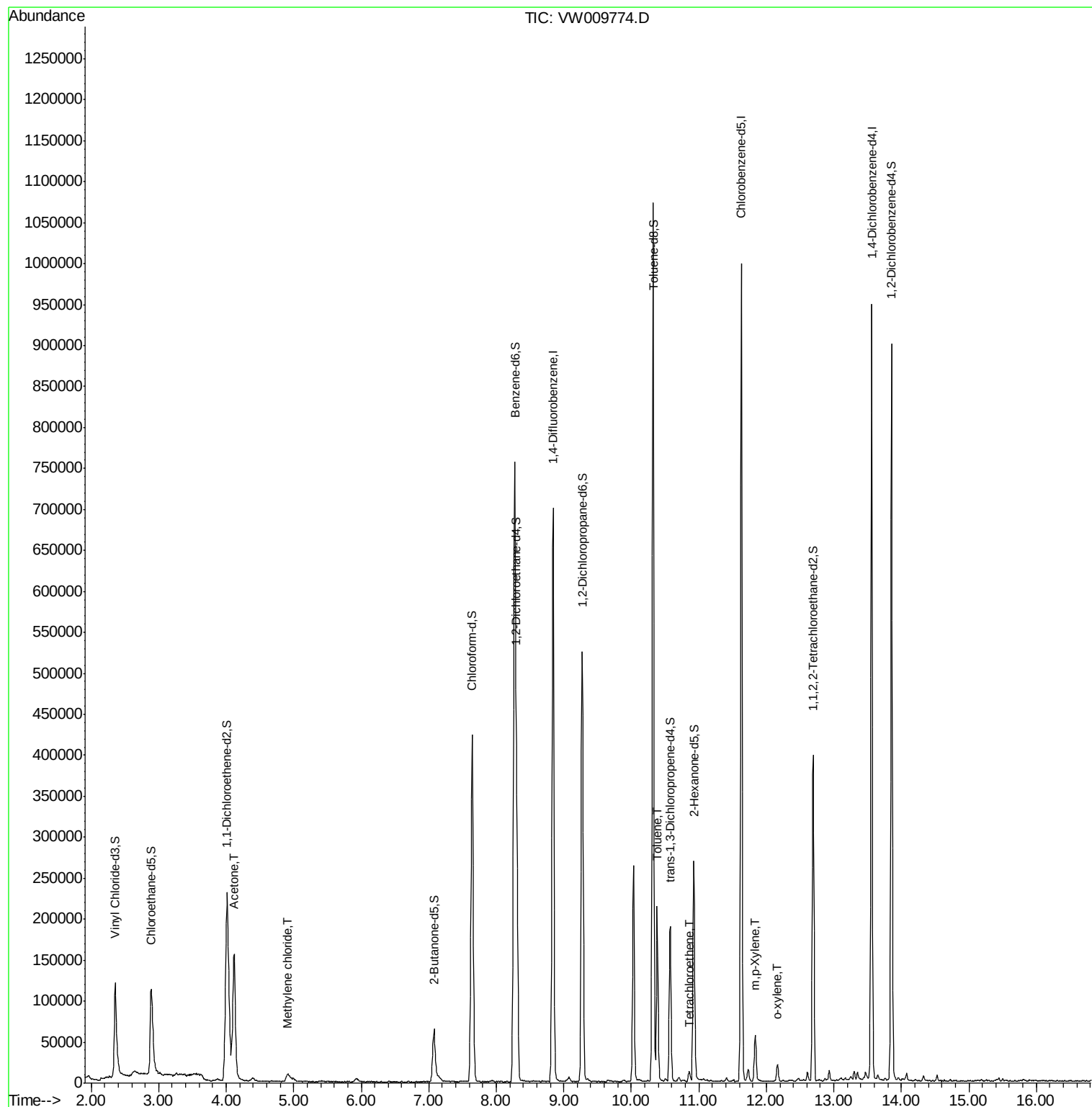
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040619\
Data File : VW009774.D
Acq On : 06 Apr 2019 15:56
Operator : SY/VA
Sample : K2277-19
Misc : 5.66G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

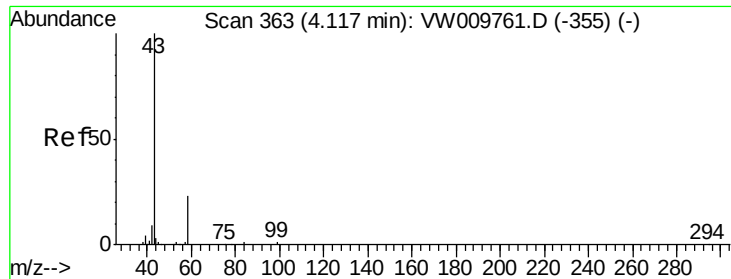
Instrument :
MSVOA_W
ClientSampleId :
BF2R3

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Quant Time: Apr 07 06:18:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
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Response via : Initial Calibration





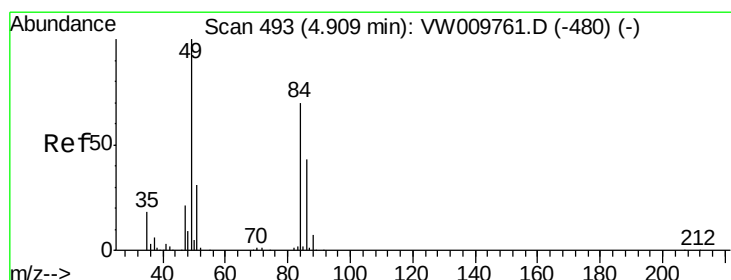
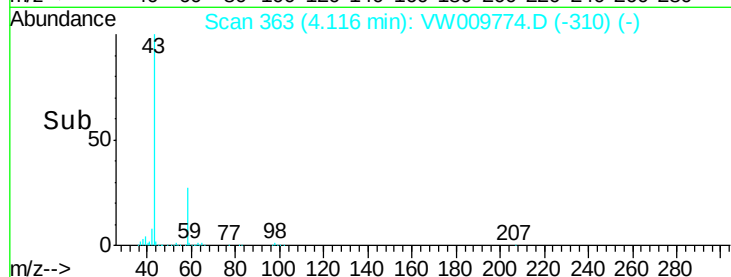
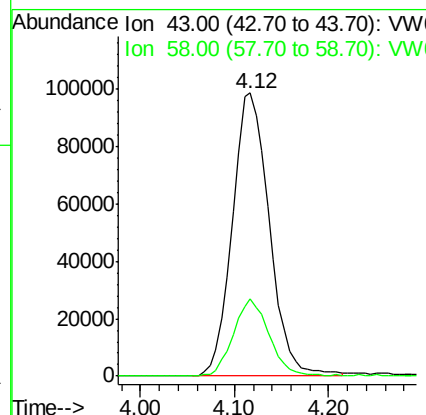
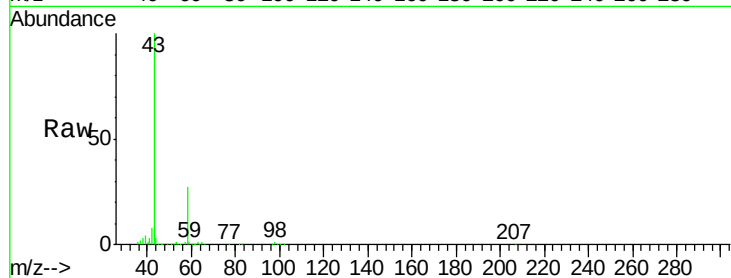
#13
Acetone
Concen: 111.445 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW009774.D
Acq: 06 Apr 2019 15:56

Instrument :
MSVOA_W
ClientSampled :
BF2R3

Tot Ion	Ratio	Lower	Upper
43	100		
58	26.4	0.0	53.0

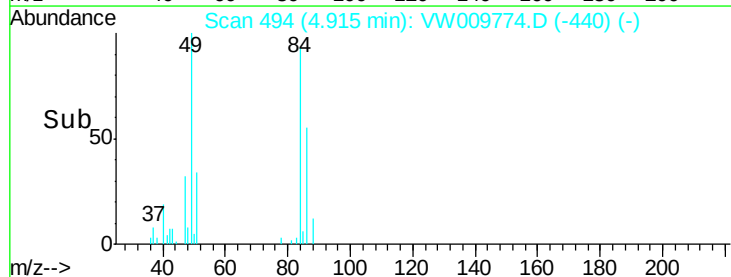
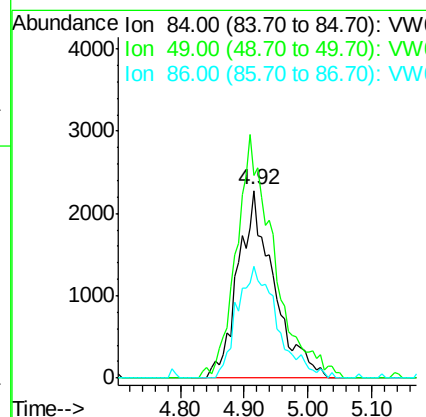
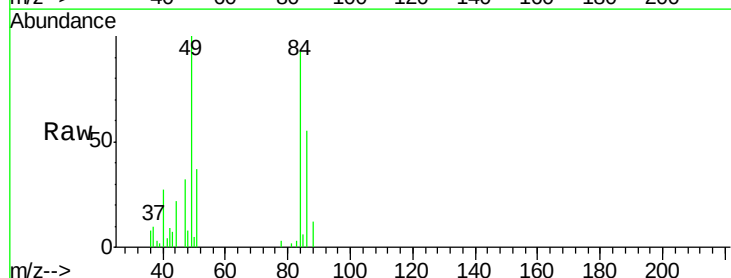
Manual Integrations
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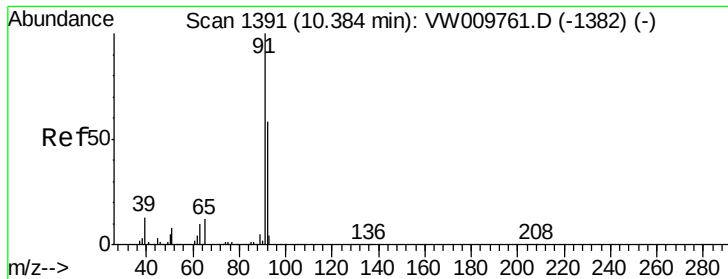
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4/11/2019 11:43:06 AM



#16
Methylene chloride
Concen: 0.956 ug/L m
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW009774.D
Acq: 06 Apr 2019 15:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.0	98.3	182.5
86	59.3	46.4	86.2





#44

Toluene

Concen: 4.626 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009774.D

Acq: 06 Apr 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

BF2R3

Tot Ion: 91 Resp: 146950

Ion Ratio Lower Upper

91 100

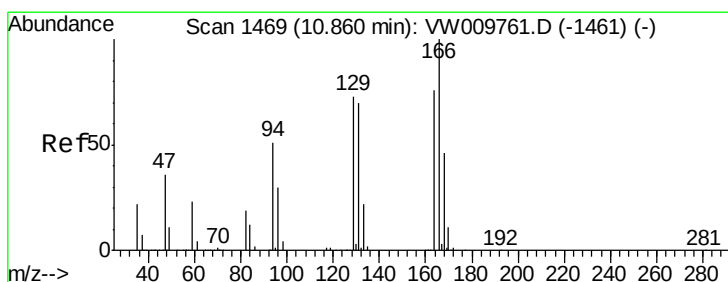
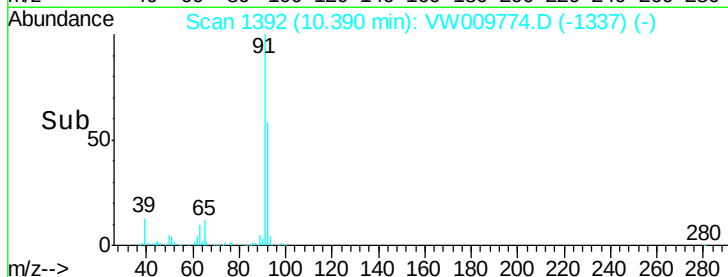
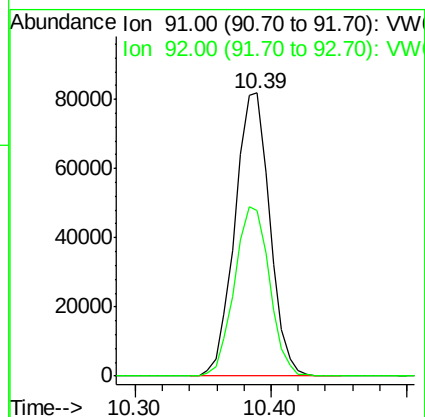
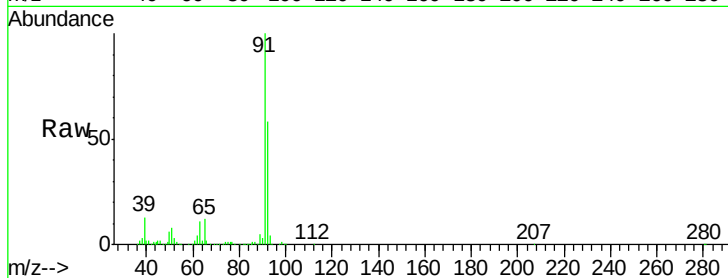
92 58.5 40.5 75.1

Manual Integrations

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4/11/2019 11:43:06 AM



#47

Tetrachloroethene

Concen: 0.411 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW009774.D

Acq: 06 Apr 2019 15:56

Tgt Ion: 164 Resp: 2537

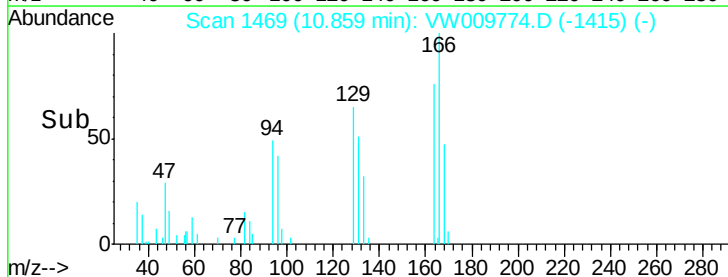
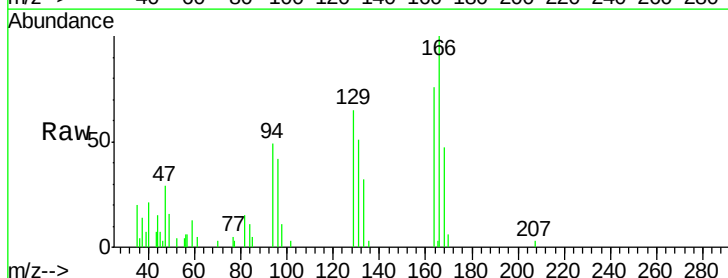
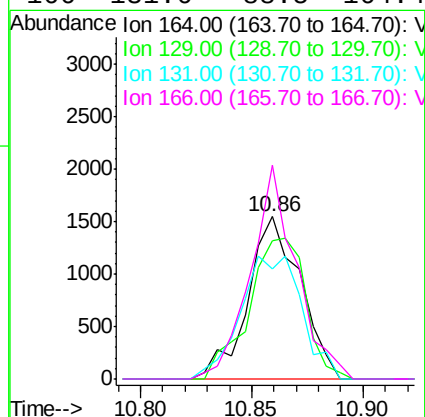
Ion Ratio Lower Upper

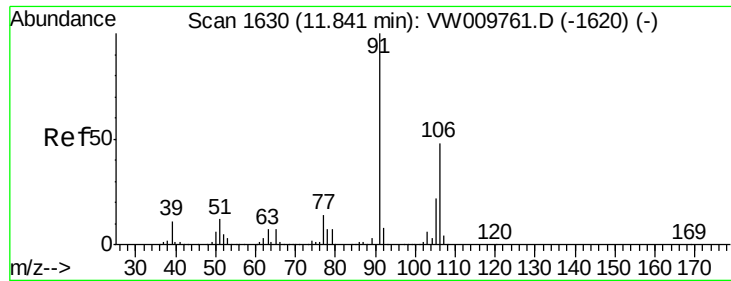
164 100

129 85.2 68.9 127.9

131 67.7 63.1 117.1

166 131.6 88.5 164.4





#54

m,p-Xylene

Concen: 1.051 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW009774.D

Acq: 06 Apr 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

BF2R3

Tot Ion:106 Resp: 14065

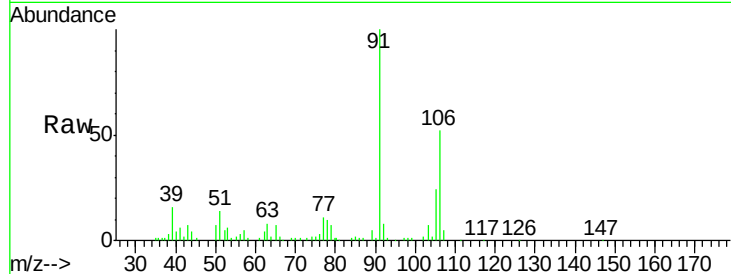
Ion Ratio Lower Upper

106 100

91 190.8 145.3 269.9

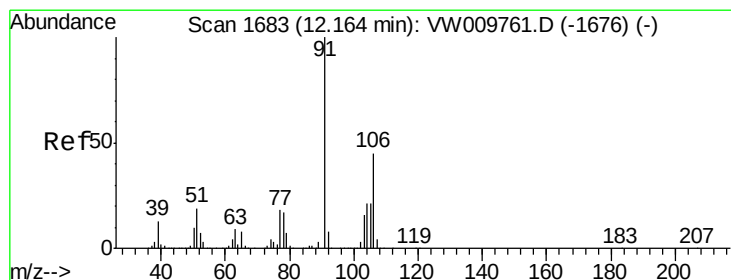
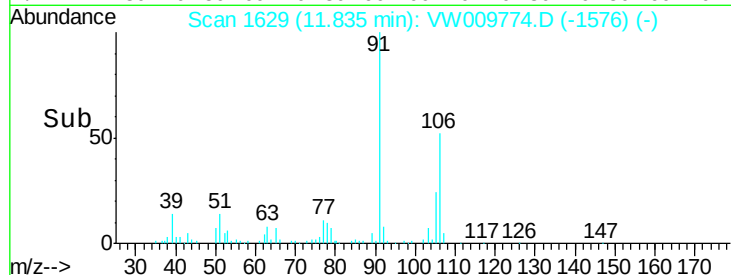
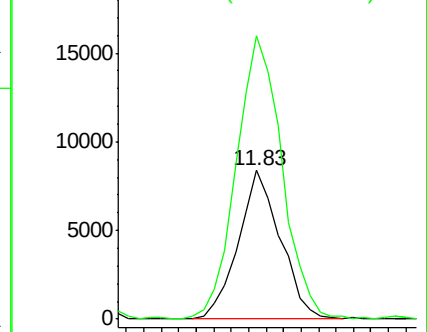
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.358 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW009774.D

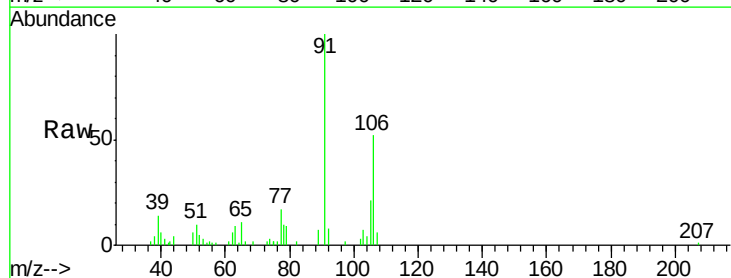
Acq: 06 Apr 2019 15:56

Tgt Ion:106 Resp: 4557

Ion Ratio Lower Upper

106 100

91 192.2 153.9 285.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

