

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020320\
 Data File : VW014845.D
 Acq On : 03 Feb 2020 20:01
 Operator : SY/VA
 Sample : L1323-04
 Misc : 4.99G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAT44

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 3:39:40 PM

Quant Time: Feb 04 07:48:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 04 06:54:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	951086	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	800932	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	326568	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	277492	18.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.52%
7) Chloroethane-d5	2.89	69	257376	18.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.28%
10) 1,1-Dichloroethene-d2	4.02	63	440059	13.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	55.64%
20) 2-Butanone-d5	7.07	46	245881	43.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.84%
24) Chloroform-d	7.65	84	607684	20.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.28%
26) 1,2-Dichloroethane-d4	8.30	65	346057m	20.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.32%
29) Benzene-d6	8.27	84	1258033	22.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.12%
33) 1,2-Dichloropropane-d6	9.27	67	416077	22.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.92%
37) Toluene-d8	10.32	98	1041674	21.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.56%
38) trans-1,3-Dichloropropene-	10.57	79	144784	19.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.08%
39) 2-Hexanone-d5	10.92	63	165076	45.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	317723	22.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	377061m	27.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.13	43	27107	4.477	ug/L	99
14) Carbon disulfide	4.39	76	19410	0.460	ug/L	96
16) Methylene chloride	4.92	84	47873	2.726	ug/L	99
44) Toluene	10.38	91	19446	0.347	ug/L	94
53) Ethylbenzene	11.73	91	552470	9.087	ug/L	99
54) m,p-Xylene	11.84	106	11798	0.530	ug/L	98
55) o-xylene	12.16	106	12742	0.615	ug/L	98
56) Styrene	12.18	104	22817	0.646	ug/L	93
57) Isopropylbenzene	12.46	105	313748	5.598	ug/L	98

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

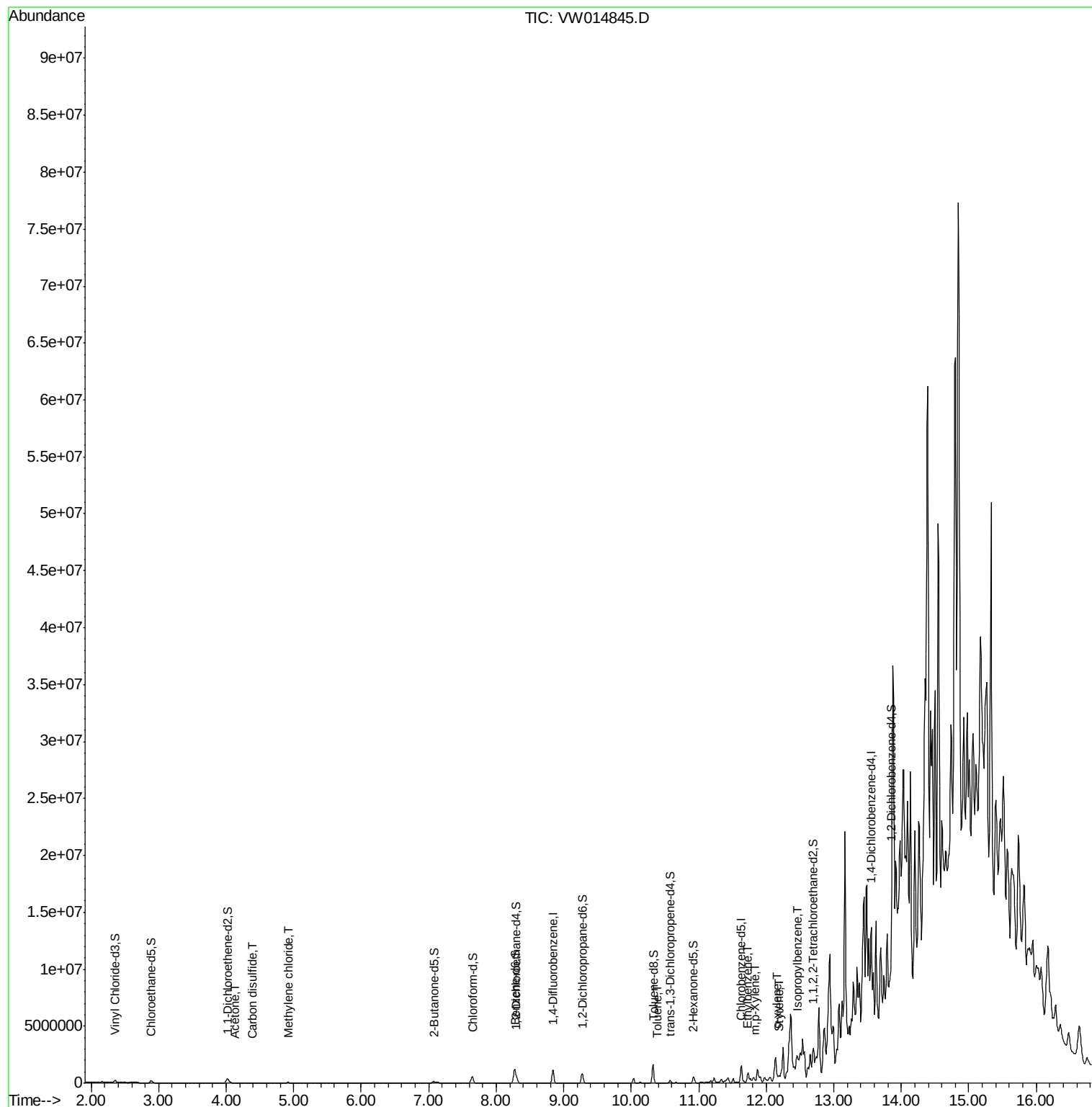
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014845.D
Acq On : 03 Feb 2020 20:01
Operator : SY/VA
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ALS Vial : 1 Sample Multiplier: 1

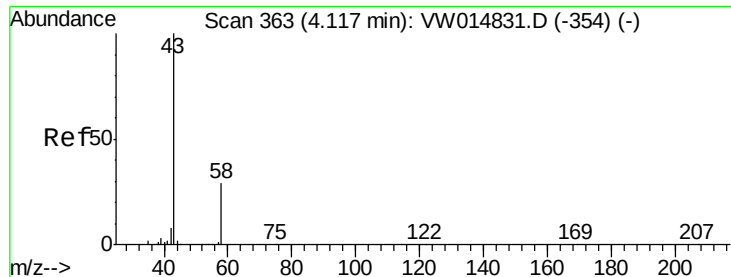
Instrument :
MSVOA_W
ClientSampleId :
GAT44

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Quant Time: Feb 04 07:48:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 04 06:54:20 2020
Response via : Initial Calibration





#13

Acetone

Concen: 4.477 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW014845.D

Acq: 03 Feb 2020 20:01

Instrument :

MSVOA_W

ClientSampled :

GAT44

Tot Ion: 43 Resp: 27107

Ion Ratio Lower Upper

43 100

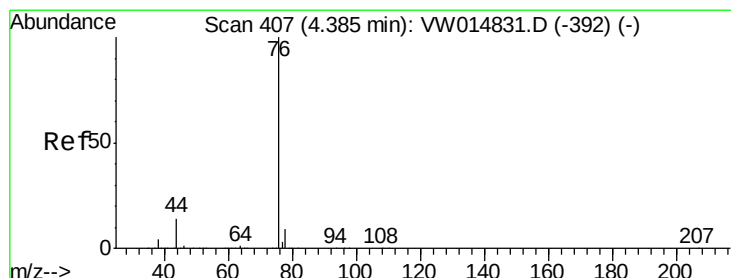
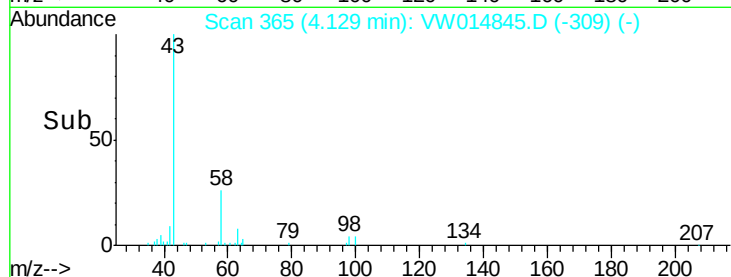
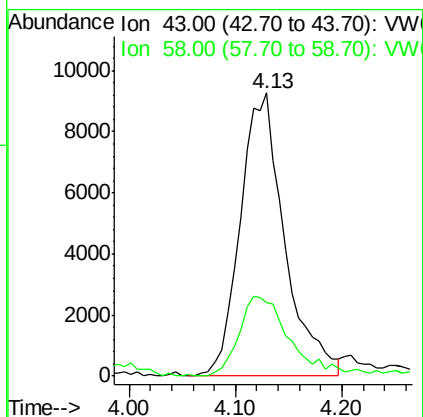
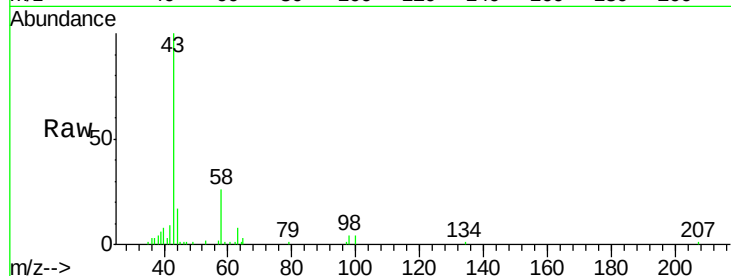
58 29.4 0.0 60.2

Manual Integrations

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#14

Carbon disulfide

Concen: 0.460 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW014845.D

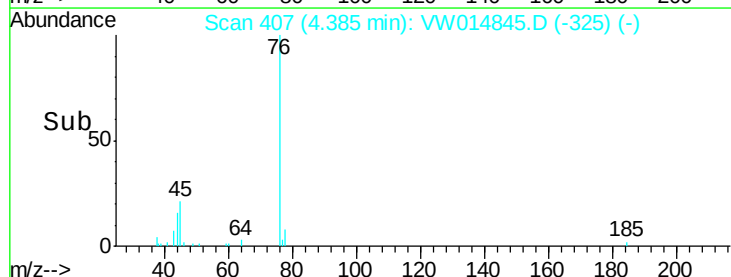
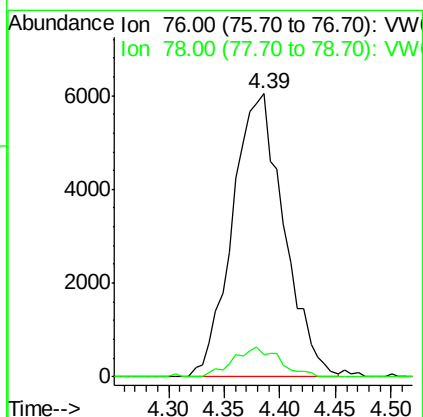
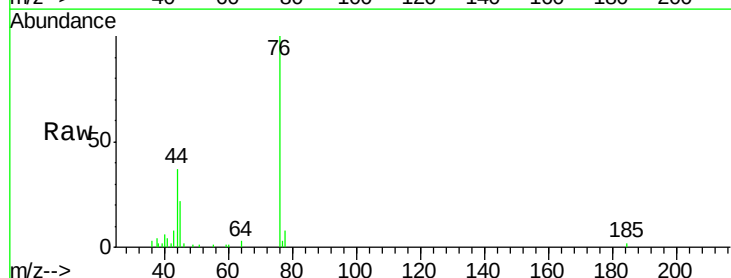
Acq: 03 Feb 2020 20:01

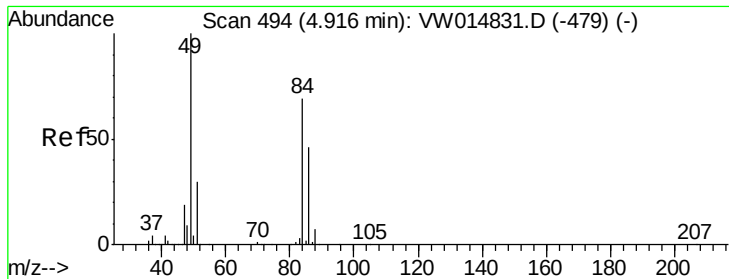
Tgt Ion: 76 Resp: 19410

Ion Ratio Lower Upper

76 100

78 8.1 7.5 11.3





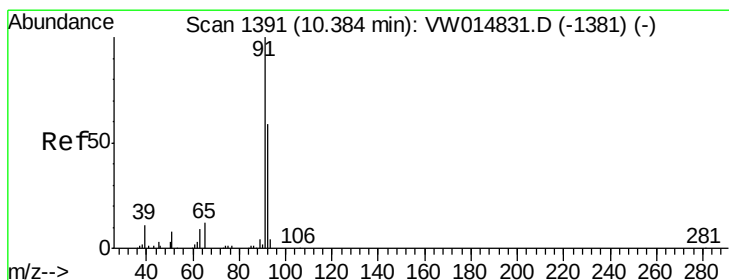
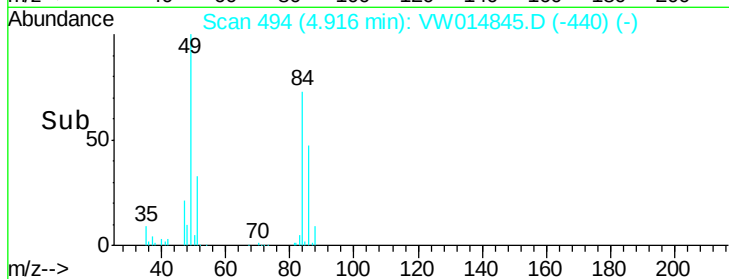
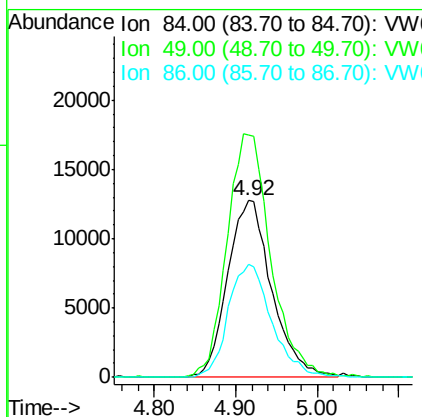
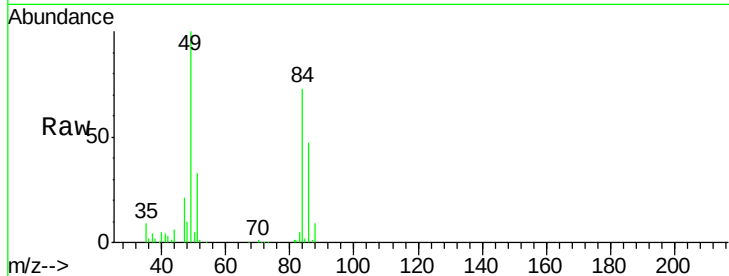
#16
Methylene chloride
Concen: 2.726 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW014845.D
Acq: 03 Feb 2020 20:01

Instrument :
MSVOA_W
ClientSampleId :
GAT44

Tot Ion	84	Resp	47873
Ion Ratio	Lower	Upper	
84	100		
49	137.1	96.6	179.4
86	64.2	43.8	81.4

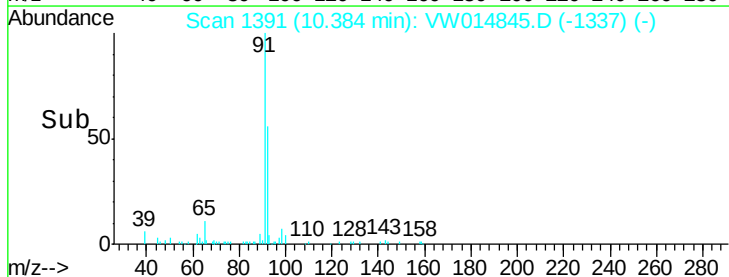
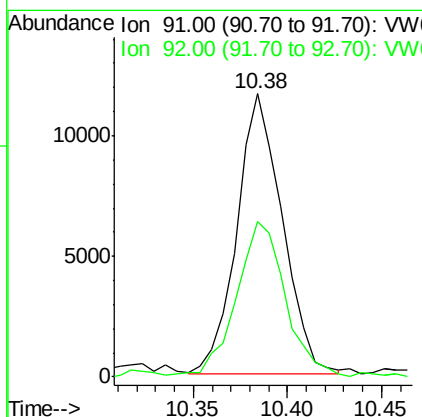
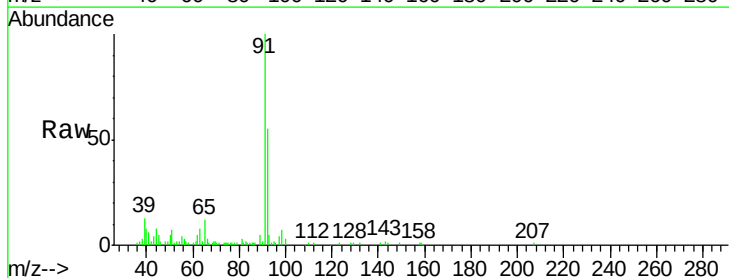
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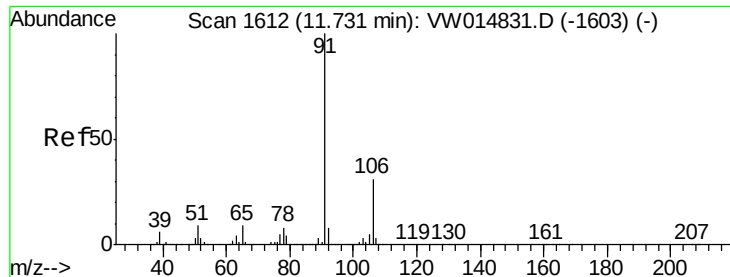
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#44
Toluene
Concen: 0.347 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW014845.D
Acq: 03 Feb 2020 20:01

Tgt Ion	91	Resp	19446
Ion Ratio	Lower	Upper	
91	100		
92	55.0	41.6	77.2





#53

Ethylbenzene

Concen: 9.087 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW014845.D

Acq: 03 Feb 2020 20:01

Instrument :

MSVOA_W

ClientSampleId :

GAT44

Tot Ion: 91 Resp: 552470

Ion Ratio Lower Upper

91 100

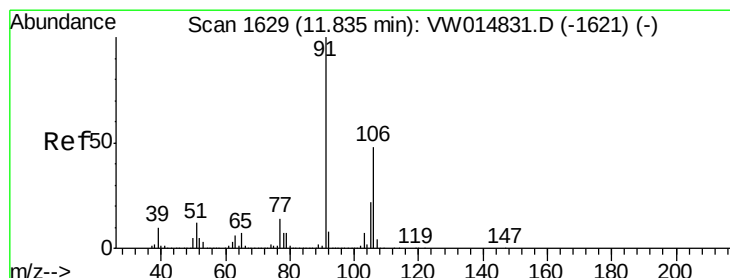
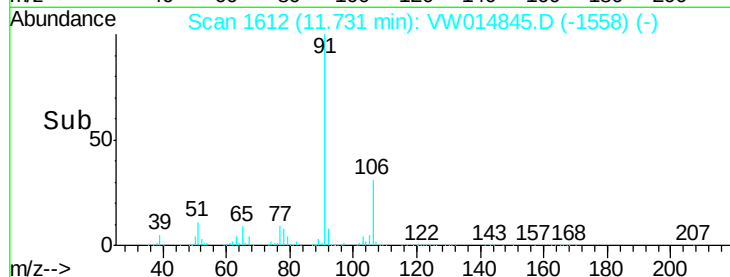
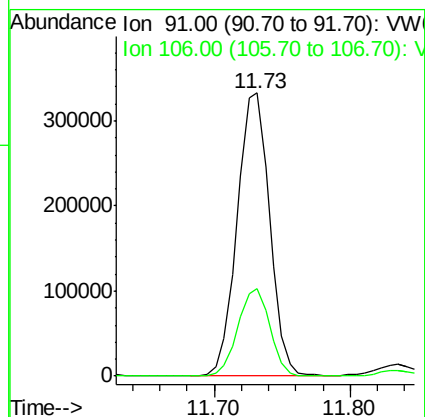
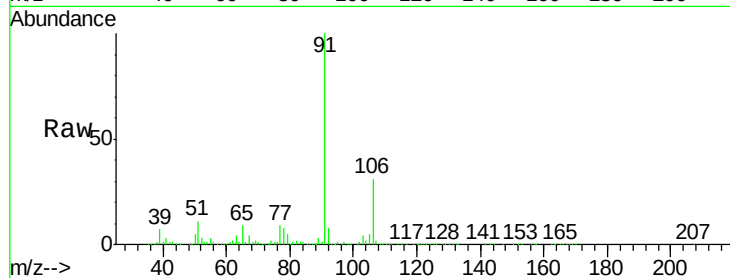
106 31.0 21.3 39.5

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#54

m,p-Xylene

Concen: 0.530 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014845.D

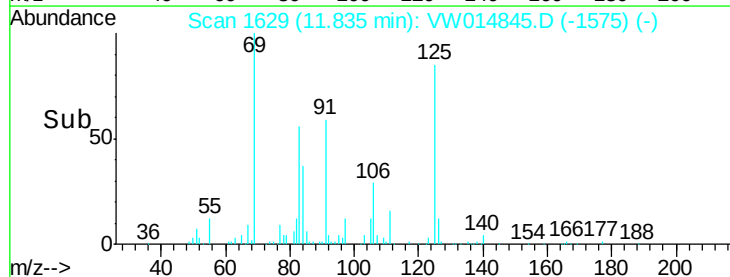
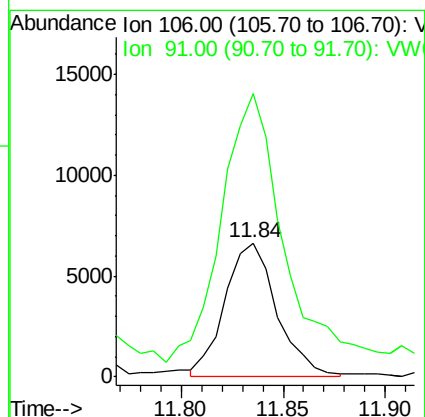
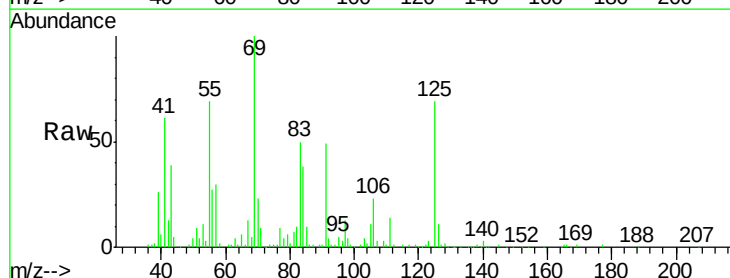
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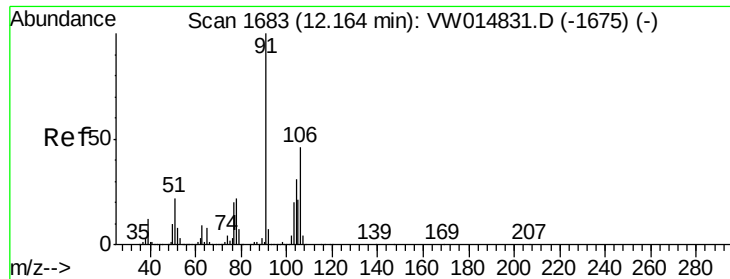
Tgt Ion: 106 Resp: 11798

Ion Ratio Lower Upper

106 100

91 211.1 145.3 269.9





#55

o-xylene

Concen: 0.615 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014845.D

Acq: 03 Feb 2020 20:01

Instrument :

MSVOA_W

ClientSampleId :

GAT44

Tot Ion:106 Resp: 12742

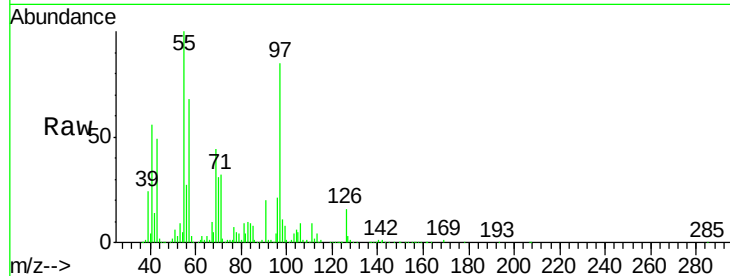
Ion Ratio Lower Upper

106 100

91 217.4 154.6 287.0

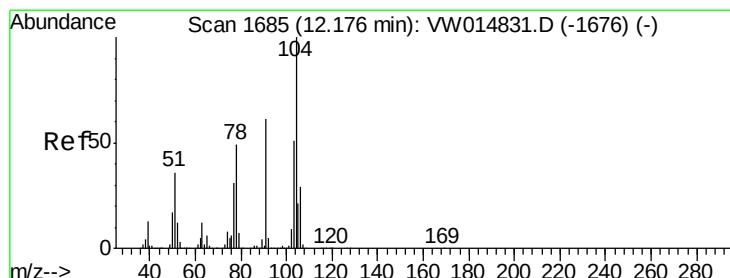
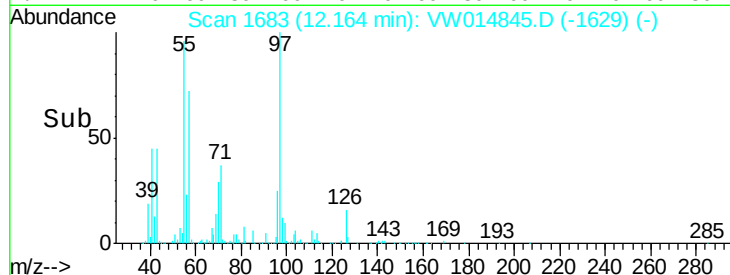
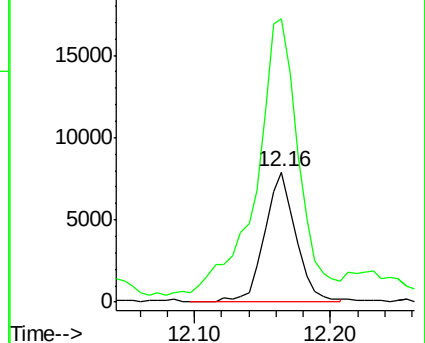
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 0.646 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW014845.D

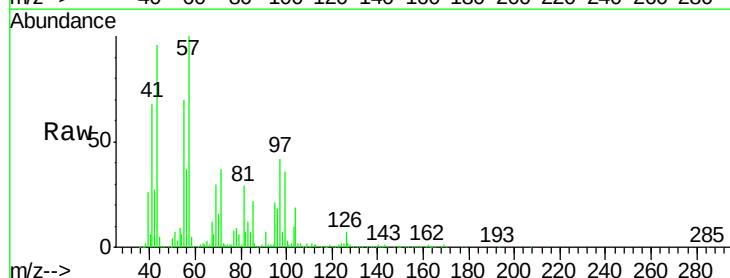
Acq: 03 Feb 2020 20:01

Tgt Ion:104 Resp: 22817

Ion Ratio Lower Upper

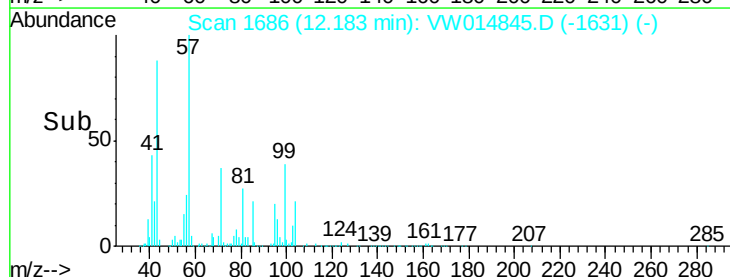
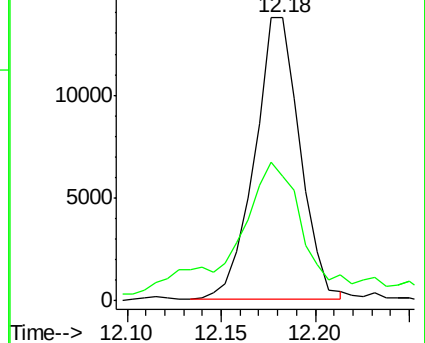
104 100

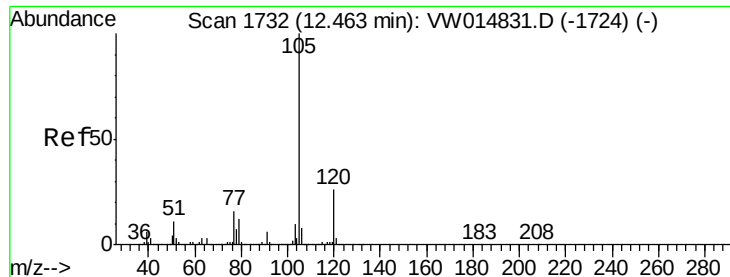
78 44.2 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 5.598 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014845.D

Acq: 03 Feb 2020 20:01

Instrument :

MSVOA_W

ClientSampleId :

GAT44

Tot Ion:	105	Resp:	313748
Ion Ratio		Lower	Upper
105	100		
120	25.4	20.5	30.7
77	18.7	13.3	19.9

Manual Integrations
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2/4/2020 3:39:40 PM

