

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
 Data File : VV010169.D
 Acq On : 08 Apr 2019 12:17
 Operator : SY/MD
 Sample : K2255-01
 Misc : 5.41G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFC34

Manual Integrations
 APPROVED

MMDadoda
 4/15/2019 12:28:24 AM

Quant Time: Apr 09 05:53:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 09 05:31:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	240240	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	165533	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	39164	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46277	14.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.56%
7) Chloroethane-d5	1.58	69	71821	17.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.92%
10) 1,1-Dichloroethene-d2	2.13	63	99662	12.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	49.12%
20) 2-Butanone-d5	3.96	46	15751m	17.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	34.42%
24) Chloroform-d	4.40	84	138024	22.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.08	65	76036	22.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.80%
29) Benzene-d6	5.10	84	260305	30.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	121.28%
33) 1,2-Dichloropropane-d6	6.12	67	81415	32.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	128.56%#
37) Toluene-d8	7.36	98	198148	23.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.84%
38) trans-1,3-Dichloropropene-	7.67	79	4192	3.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	15.48%#
39) 2-Hexanone-d5	8.14	63	9271	18.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	36.50%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	49258	19.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.84%
61) 1,2-Dichlorobenzene-d4	11.68	152	31180	20.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.76%

Target Compounds

					Ovalue
13) Acetone	2.21	43	56190	62.100	ug/L 100
14) Carbon disulfide	2.31	76	11404	1.673	ug/L 99
16) Methylene chloride	2.53	84	12110	2.869	ug/L 93
21) 2-Butanone	4.03	43	24776m	25.002	ug/L
44) Toluene	7.43	91	7344	0.808	ug/L 94
54) m,p-Xylene	9.18	106	5030	1.297	ug/L 76
55) o-xylene	9.59	106	3052	0.812	ug/L 77

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

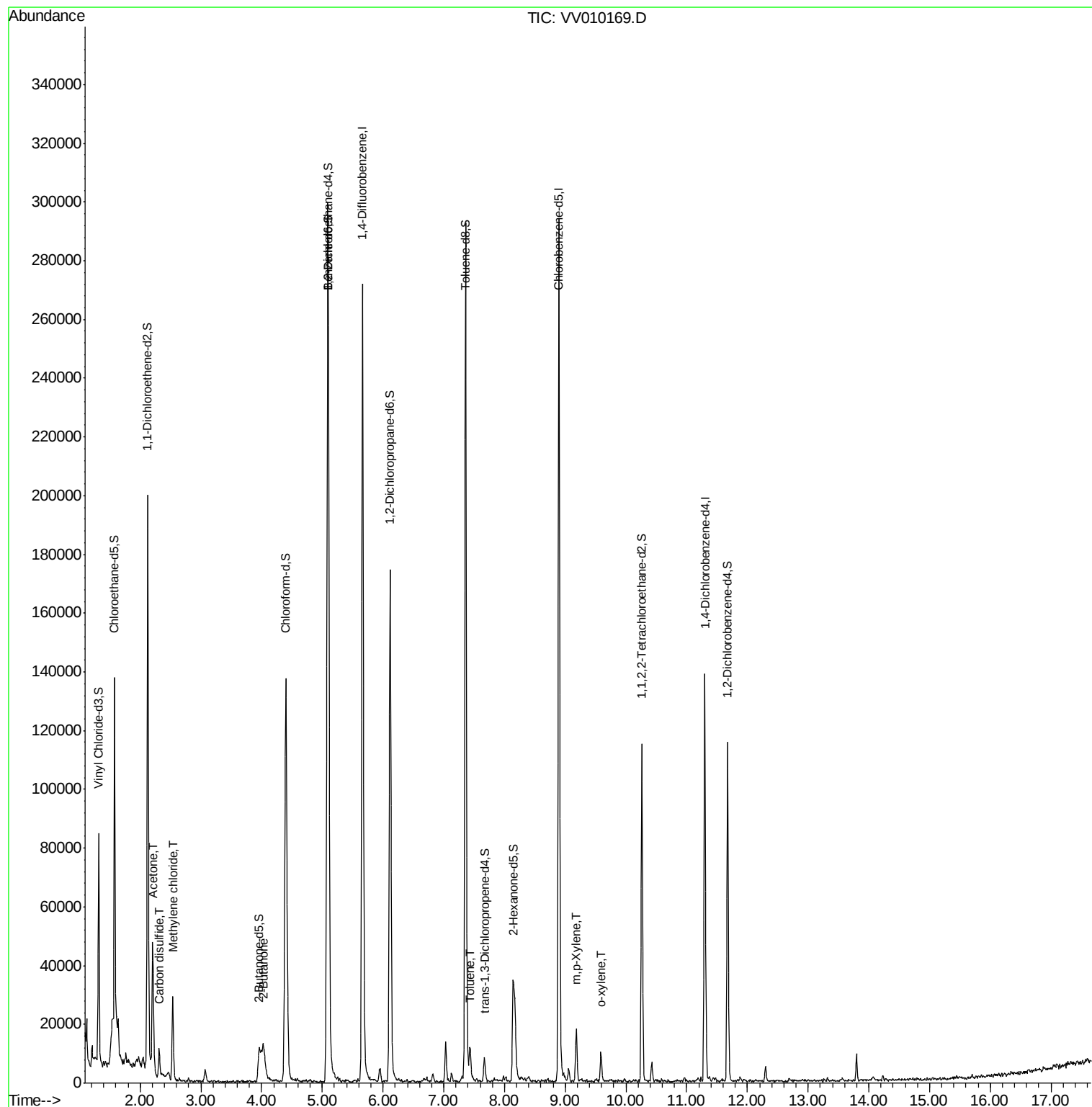
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040819\
Data File : VV010169.D
Acq On : 08 Apr 2019 12:17
Operator : SY/MD
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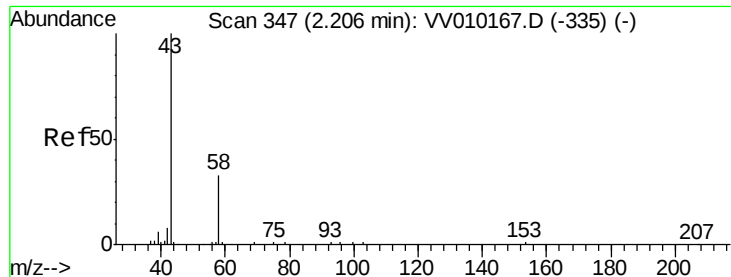
Instrument :
MSVOA_V
ClientSampleId :
BFC34

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Quant Time: Apr 09 05:53:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 09 05:31:28 2019
Response via : Initial Calibration





#13

Acetone

Concen: 62.100 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.00 min

Lab File: VV010169.D

Acq: 08 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

BFC34

Tot Ion: 43 Resp: 56190

Ion Ratio Lower Upper

43 100

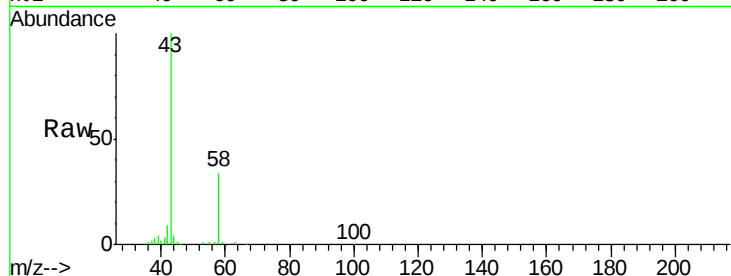
58 32.2 0.0 64.6

Manual Integrations

APPROVED

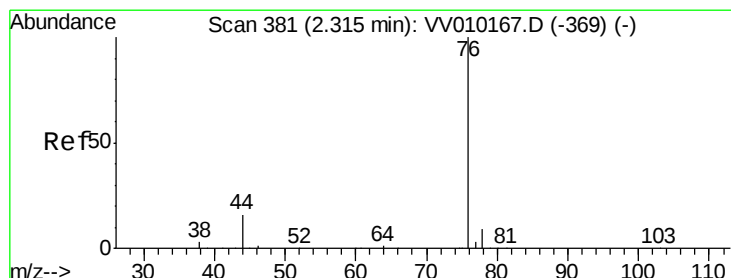
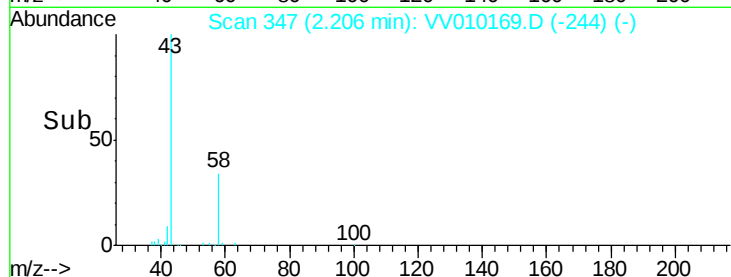
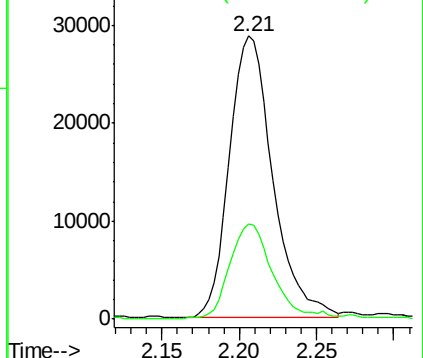
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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 1.673 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV010169.D

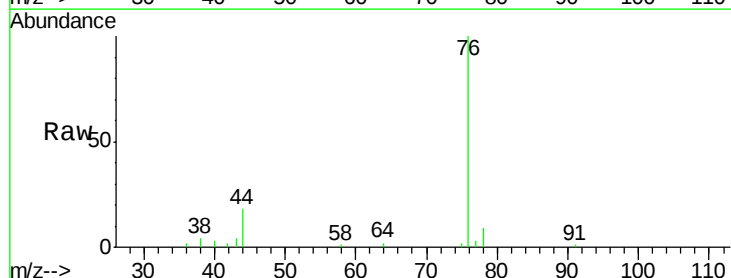
Acq: 08 Apr 2019 12:17

Tgt Ion: 76 Resp: 11404

Ion Ratio Lower Upper

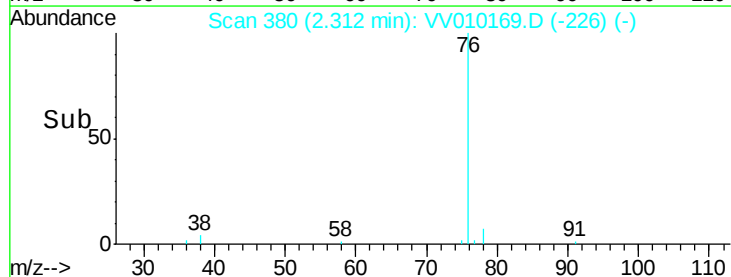
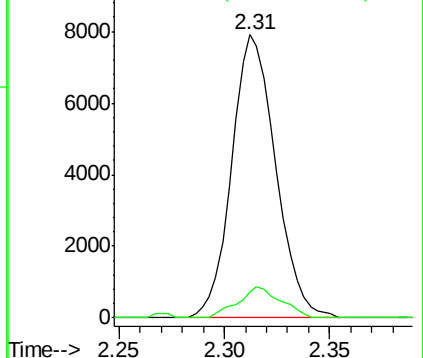
76 100

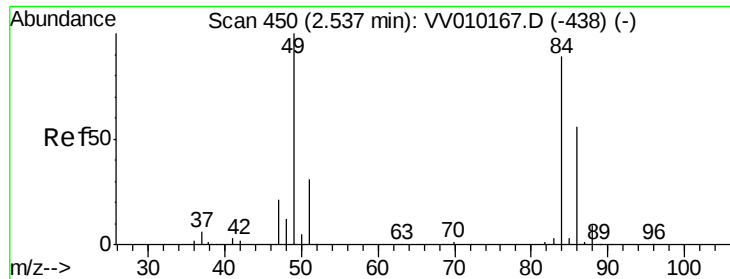
78 9.4 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





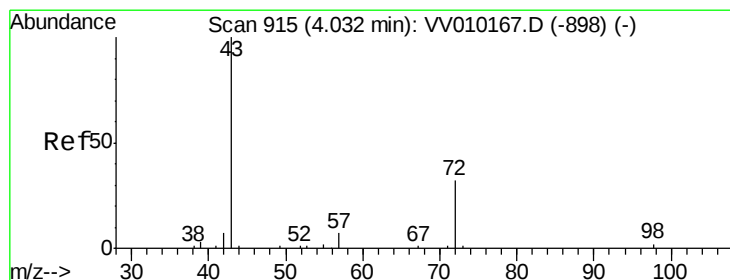
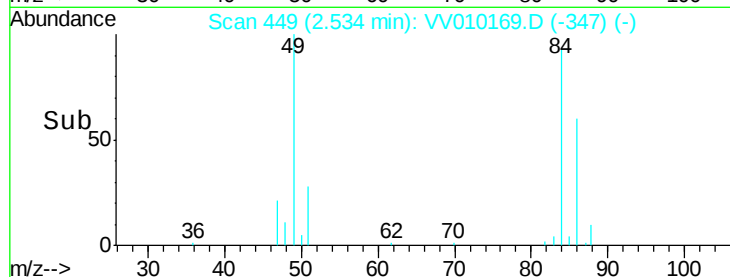
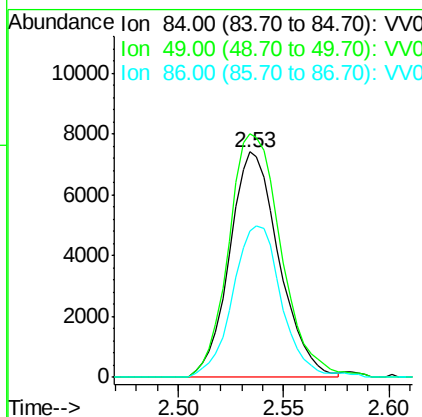
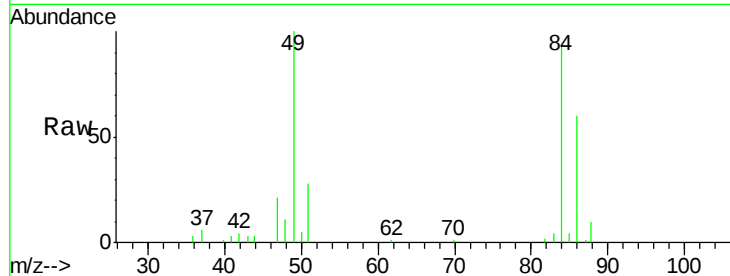
#16
Methvlene chloride
Concen: 2.869 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010169.D
Acq: 08 Apr 2019 12:17

Instrument :
MSVOA_V
ClientSampled :
BFC34

Tot Ion	84	Resp	12110
Ion Ratio	Lower	Upper	
84	100		
49	108.0	84.3	156.5
86	65.1	45.4	84.2

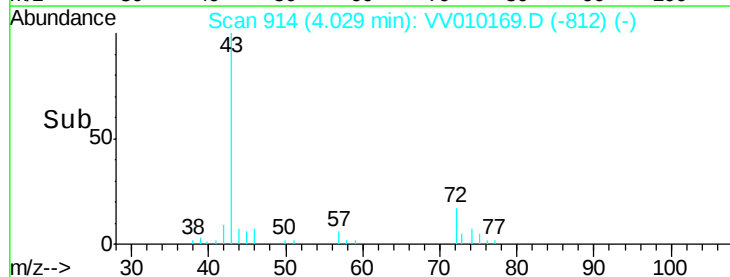
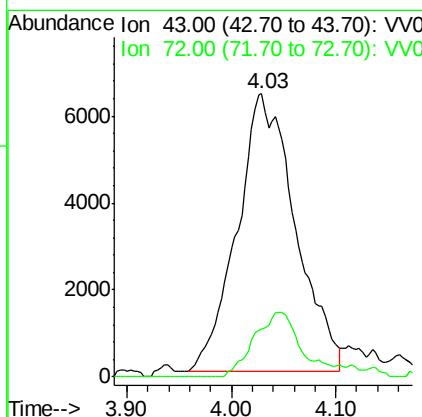
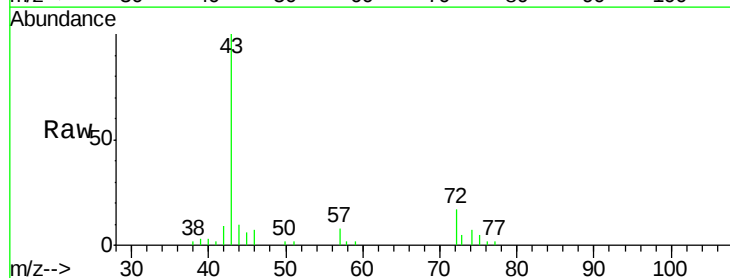
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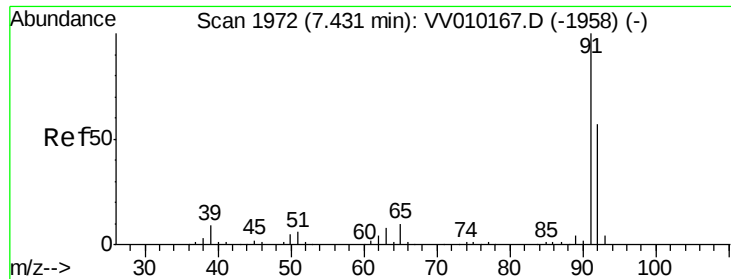
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#21
2-Butanone
Concen: 25.002 ug/L m
RT: 4.03 min Scan# 914
Delta R.T. -0.00 min
Lab File: VV010169.D
Acq: 08 Apr 2019 12:17

Tgt Ion	43	Resp	24776
Ion Ratio	Lower	Upper	
43	100		
72	17.0	12.8	38.4





#44

Toluene

Concen: 0.808 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV010169.D

Acq: 08 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

BFC34

Tot Ion: 91 Resp: 7344

Ion Ratio Lower Upper

91 100

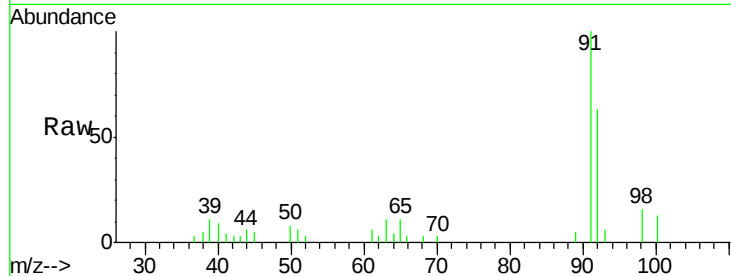
92 63.4 41.0 76.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VV010167.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010167.D (-1958) (-)

7.43

4000

3000

2000

1000

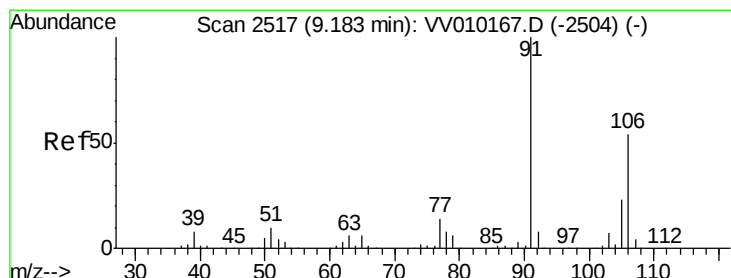
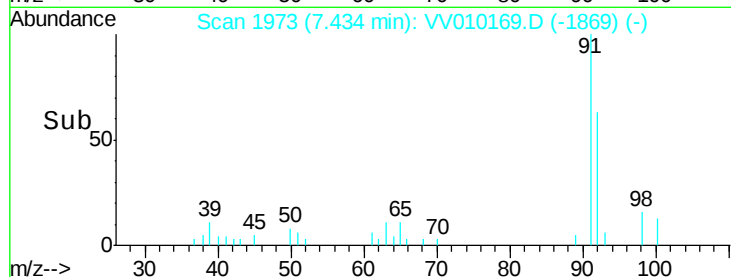
0

7.40

7.45

7.50

Time-->



#54

m,p-Xylene

Concen: 1.297 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV010169.D

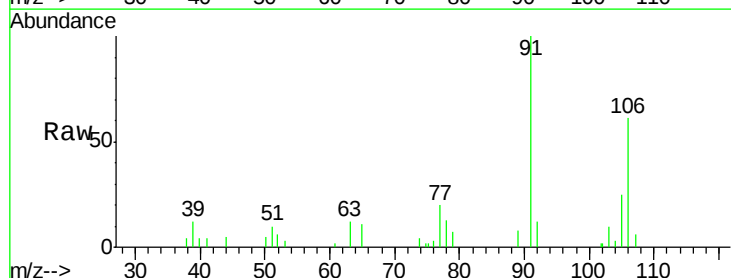
Acq: 08 Apr 2019 12:17

Tgt Ion:106 Resp: 5030

Ion Ratio Lower Upper

106 100

91 162.9 139.3 258.7



Abundance Ion 106.00 (105.70 to 106.70): VV010167.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV010167.D (-2504) (-)

9.18

6000

5000

4000

3000

2000

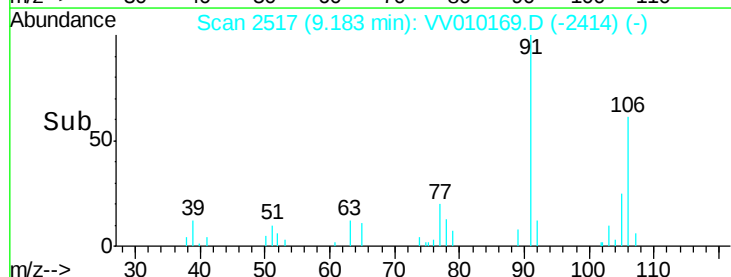
1000

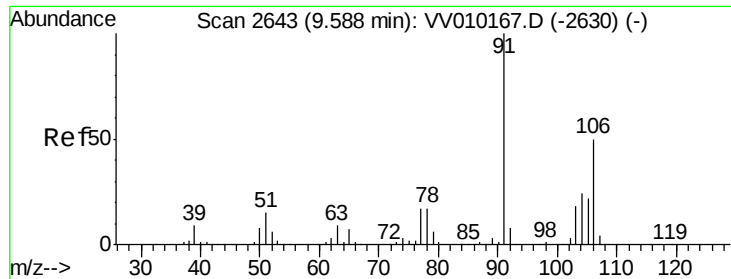
0

9.15

9.20

Time-->





#55
o-xylene
Concen: 0.812 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV010169.D
Acq: 08 Apr 2019 12:17

Instrument :
MSVOA_V
ClientSampleId :
BFC34

Tot Ion	Ratio	Resp	Lower	Upper
106	100	3052		
91	177.9	150.4	279.2	

Manual Integrations
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