

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081418\
 Data File : VU026102.D
 Acq On : 14 Aug 2018 15:29
 Operator : MD/SY
 Sample : J4451-15MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZK4MS

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 11:41:34 AM

Quant Time: Aug 15 18:59:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 11 00:58:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	262412	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	244565	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	104863	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77296	40.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.60%
7) Chloroethane-d5	1.67	69	69088	45.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.86%
11) 1,1-Dichloroethene-d2	2.27	63	162068	44.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.94%
21) 2-Butanone-d5	4.18	46	149119	93.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.28%
24) Chloroform-d	4.65	84	189975	46.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.42%
26) 1,2-Dichloroethane-d4	5.31	65	130507	47.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.00%
32) Benzene-d6	5.35	84	364196	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.92%
36) 1,2-Dichloropropane-d6	6.33	67	120294	48.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.90%
41) Toluene-d8	7.57	98	326732	44.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.94%
43) trans-1,3-Dichloropropene-	7.85	79	59152	47.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.56%
47) 2-Hexanone-d5	8.31	63	104731	93.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.84%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	175886	48.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	131439	50.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.70%

Target Compounds						Ovalue
12) 1,1-Dichloroethene	2.28	96	77154	50.93	ug/L	88
13) Acetone	2.32	43	4928m	4.96	ug/L	
33) Benzene	5.39	78	392800	56.39	ug/L	100
34) Trichloroethene	6.19	95	97336	53.49	ug/L	96
42) Toluene	7.64	91	422296	57.12	ug/L	98
51) Chlorobenzene	9.12	112	273310	54.82	ug/L	99

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

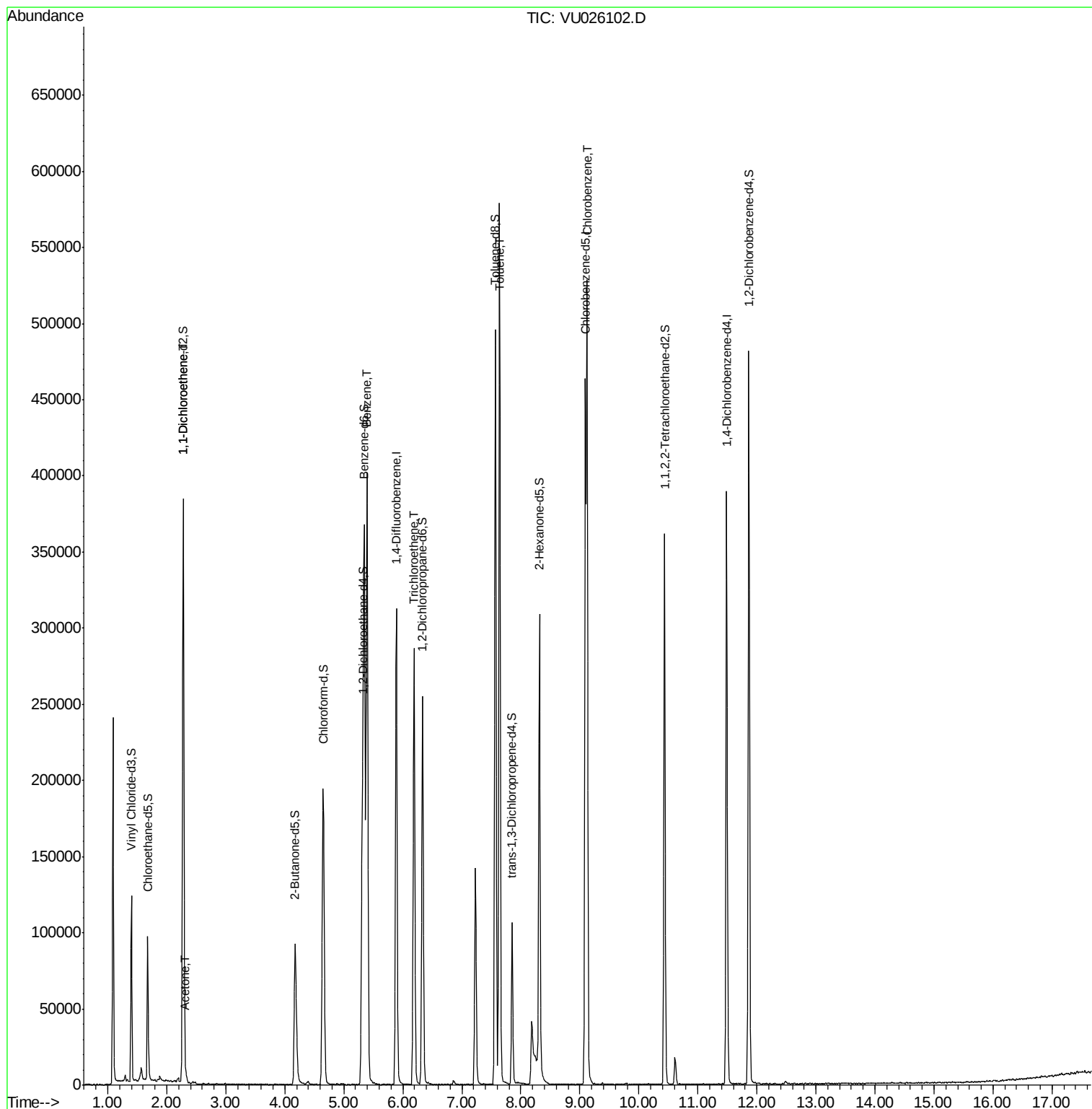
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU081418\
Data File : VU026102.D
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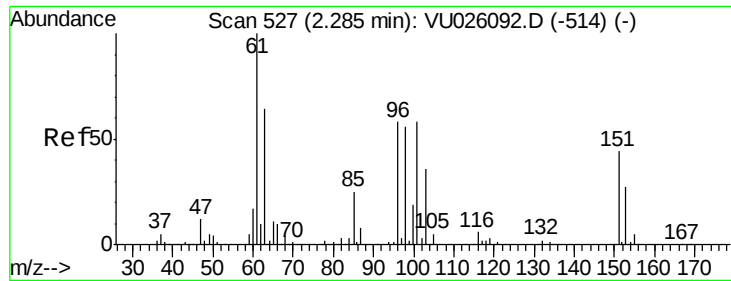
Instrument :
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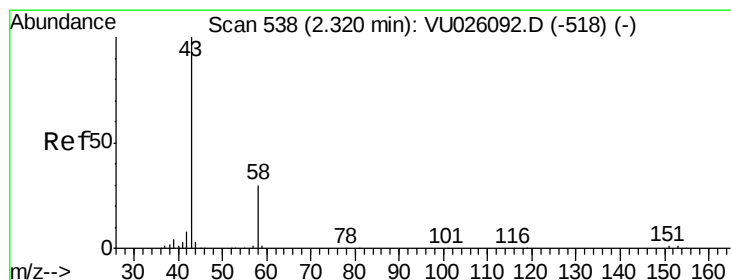
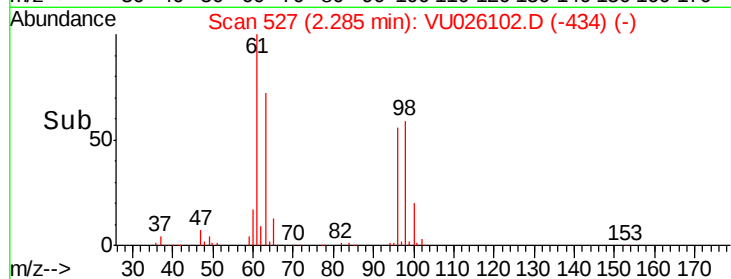
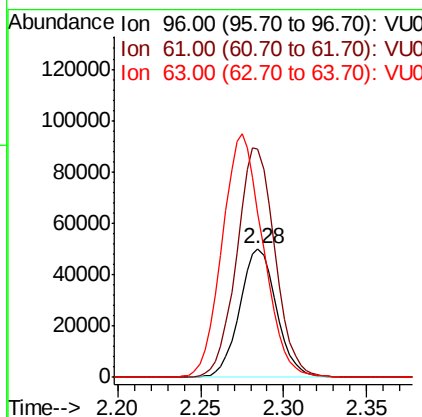
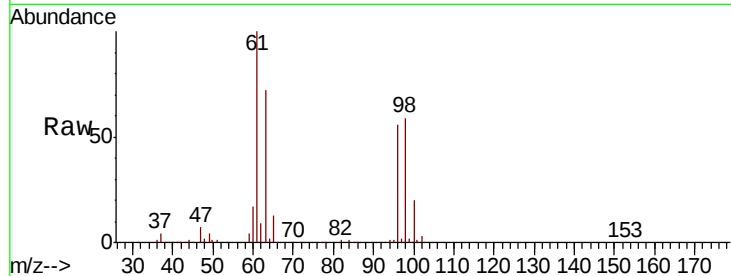
#12
 1,1-Dichloroethene
 Concen: 50.93 ug/L
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU026102.D
 Acq: 14 Aug 2018 15:29

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZK4MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	177.5	121.2	225.2
63	128.1	108.7	201.9

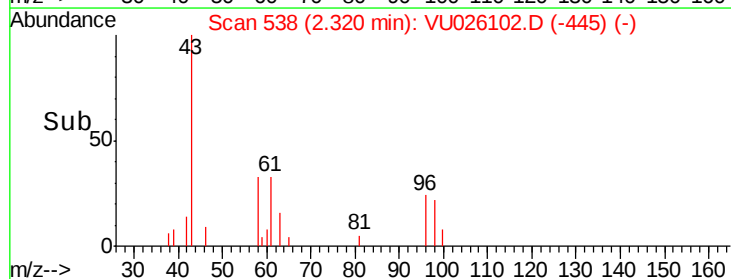
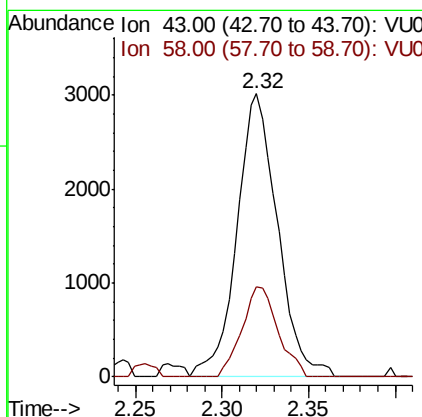
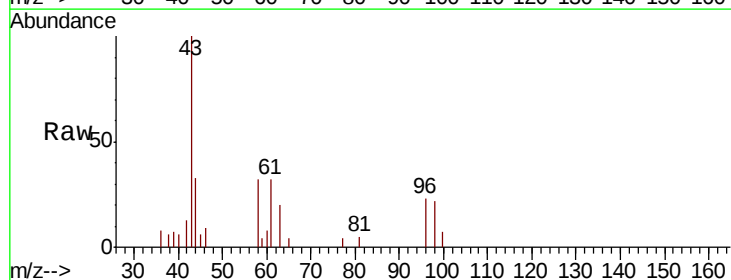
Manual Integrations
 APPROVED

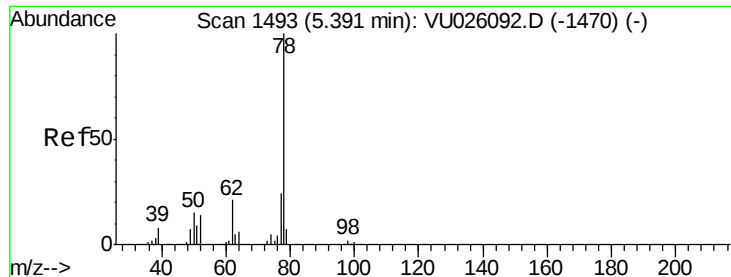
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#13
 Acetone
 Concen: 4.96 ug/L m
 RT: 2.32 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VU026102.D
 Acq: 14 Aug 2018 15:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.2	0.0	61.8





#33

Benzene

Concen: 56.39 ug/L

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU026102.D

Acq: 14 Aug 2018 15:29

Instrument :

MSVOA_U

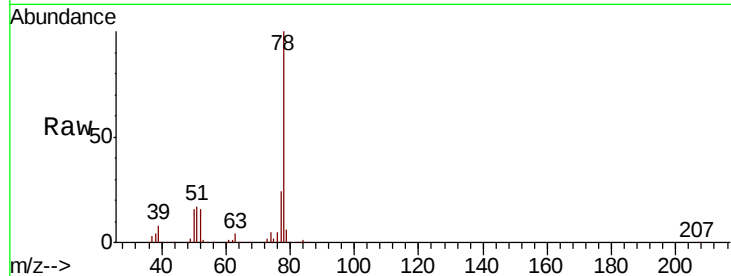
ClientSampleId :

A4ZK4MS

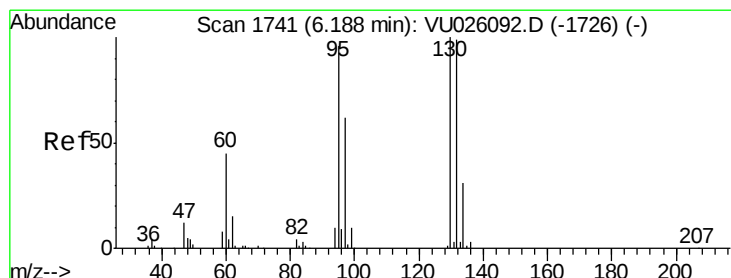
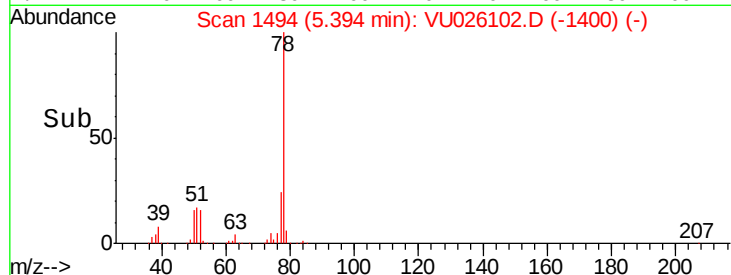
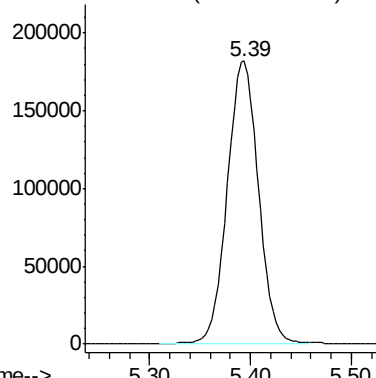
Tgt Ion: 78 Resp: 392800

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Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 53.49 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026102.D

Acq: 14 Aug 2018 15:29

Tgt Ion: 95 Resp: 97336

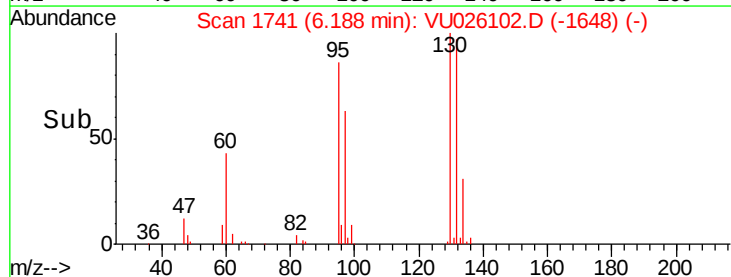
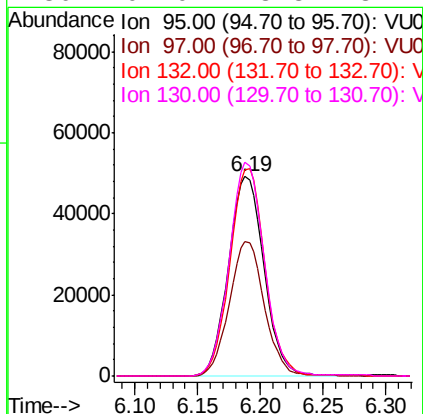
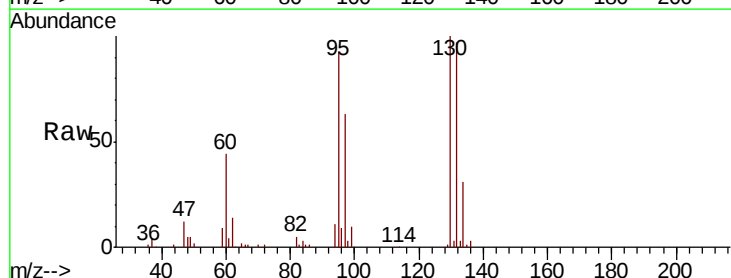
Ion	Ratio	Lower	Upper
95	100		
97	67.5	45.2	84.0
132	103.4	68.2	126.6
130	107.0	73.8	137.2

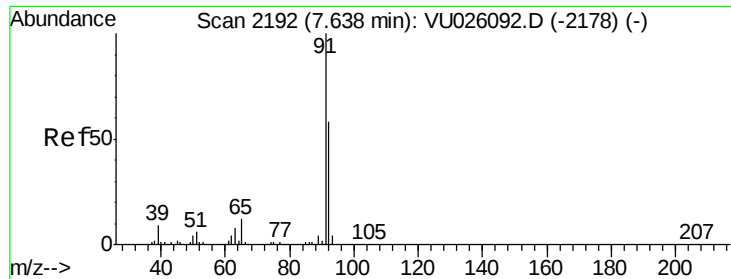
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#42

Toluene

Concen: 57.12 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026102.D

Acq: 14 Aug 2018 15:29

Instrument :

MSVOA_U

ClientSampled :

A4ZK4MS

Tot Ion: 91 Resp: 422296

Ion Ratio Lower Upper

91 100

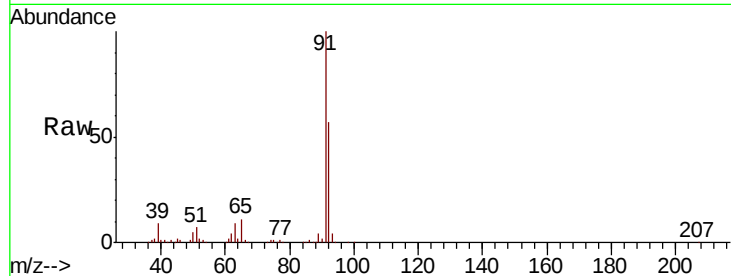
92 57.5 41.0 76.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU026102.D (-2178) (-)

Ion 92.00 (91.70 to 92.70): VU026102.D (-2178) (-)

7.64

250000

200000

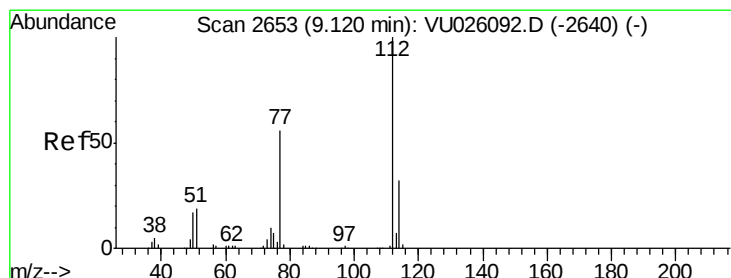
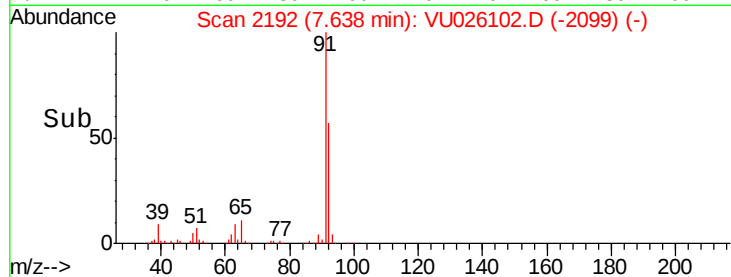
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#51

Chlorobenzene

Concen: 54.82 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. 0.00 min

Lab File: VU026102.D

Acq: 14 Aug 2018 15:29

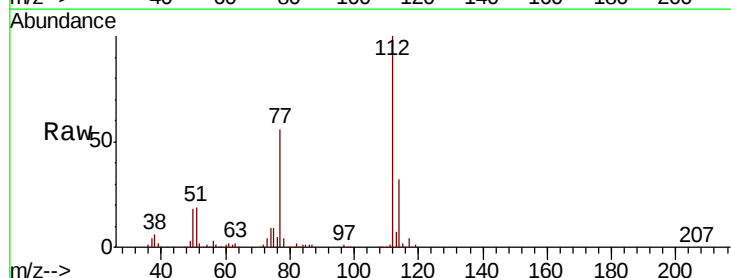
Tgt Ion: 112 Resp: 273310

Ion Ratio Lower Upper

112 100

114 32.0 22.7 42.3

77 56.3 45.2 67.8



Abundance Ion 112.00 (111.70 to 112.70): VU026102.D (-2640) (-)

Ion 114.00 (113.70 to 114.70): VU026102.D (-2640) (-)

Ion 77.00 (76.70 to 77.70): VU026102.D (-2640) (-)

9.12

200000

150000

100000

50000

0

Time--> 9.05 9.10 9.15 9.20

