

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073119\
 Data File : VU033522.D
 Acq On : 31 Jul 2019 13:48
 Operator : JC/SP
 Sample : K4103-06MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB9D8MSD

Quant Time: Aug 01 11:03:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 01 07:20:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	302031	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	297244	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	139004	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	112248	51.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.22%
7) Chloroethane-d5	1.67	69	100977	53.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.18%
11) 1,1-Dichloroethene-d2	2.26	63	205491	51.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.12%
21) 2-Butanone-d5	4.15	46	166331	114.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.36%
24) Chloroform-d	4.62	84	197059	53.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.08%
26) 1,2-Dichloroethane-d4	5.29	65	132922	57.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.04%
32) Benzene-d6	5.32	84	412561	55.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.98%
36) 1,2-Dichloropropane-d6	6.31	67	132916	57.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	115.08%
41) Toluene-d8	7.55	98	372223	53.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.82%
43) trans-1,3-Dichloropropene-	7.83	79	62834	54.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.68%
47) 2-Hexanone-d5	8.30	63	125163	114.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.13%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	194725	54.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.34%
64) 1,2-Dichlorobenzene-d4	11.85	152	146066	57.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.76%

Target Compounds

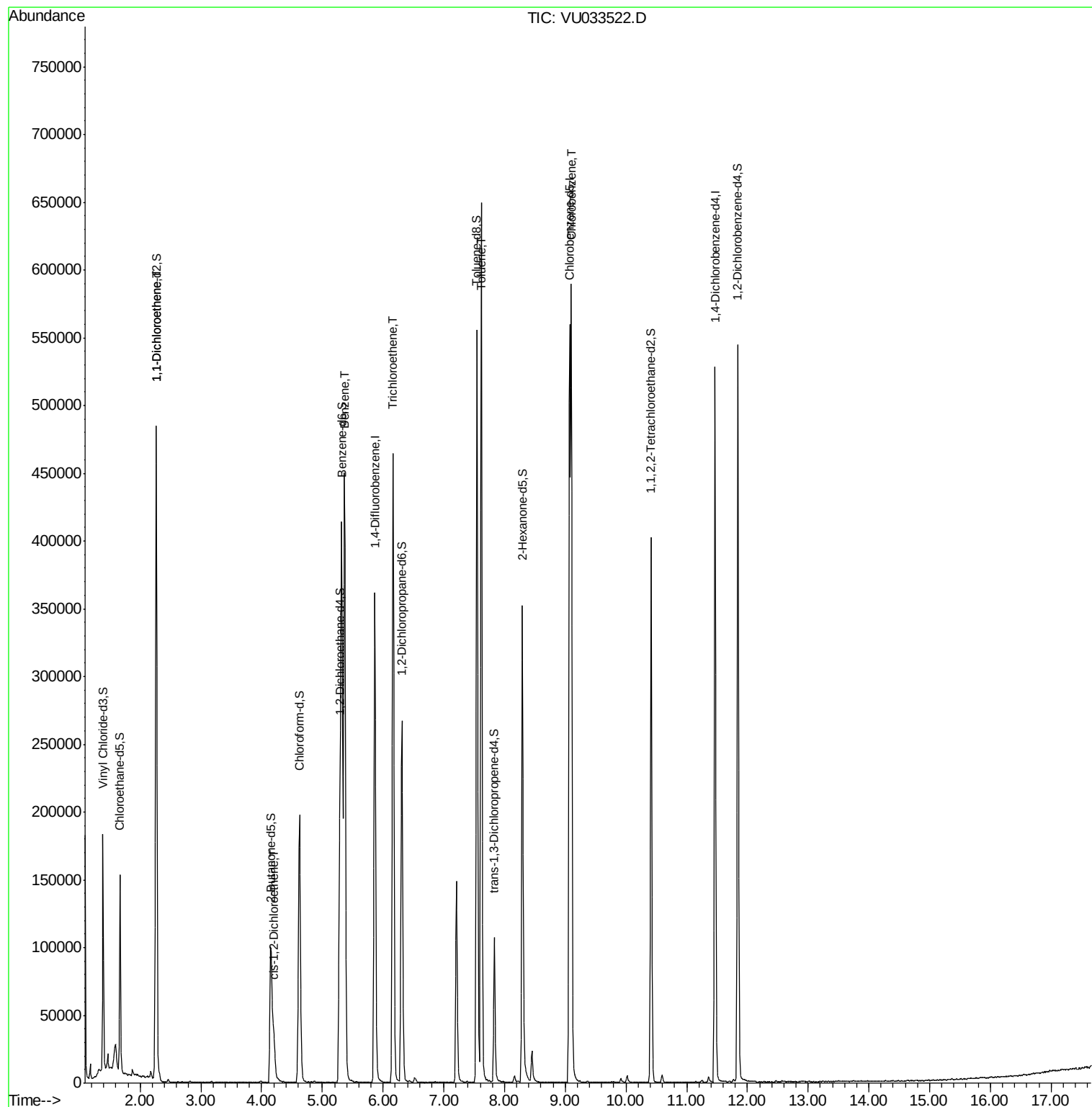
					Ovalue
12) 1,1-Dichloroethene	2.27	96	96564	49.371 ug/L	95
20) cis-1,2-Dichloroethene	4.20	96	16106	7.002 ug/L	99
33) Benzene	5.37	78	444441	51.830 ug/L	100
34) Trichloroethene	6.16	95	161833	71.545 ug/L	100
42) Toluene	7.62	91	476201	51.646 ug/L	98
51) Chlorobenzene	9.10	112	304211	50.394 ug/L	100

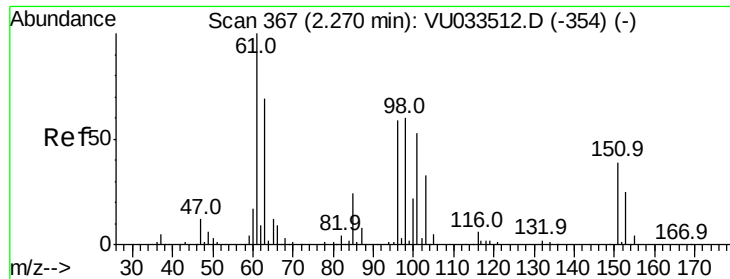
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 01 07:20:33 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 49.371 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

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ClientSampleId :

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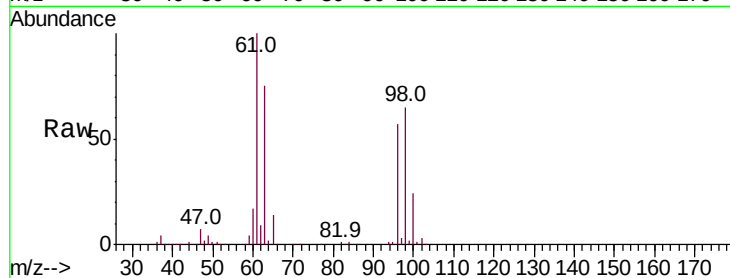
Tot Ion: 96 Resp: 96564

Ion Ratio Lower Upper

96 100

61 174.7 119.3 221.5

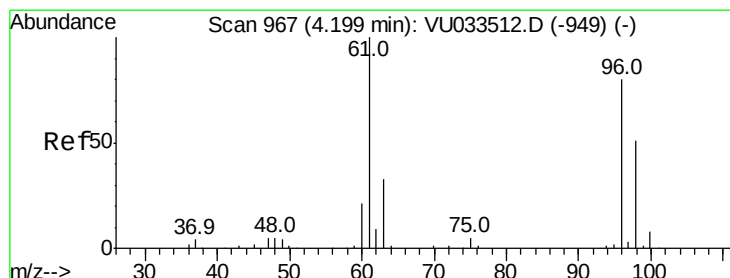
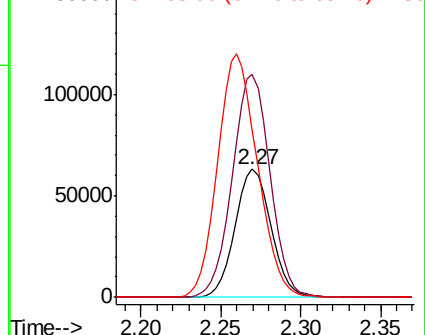
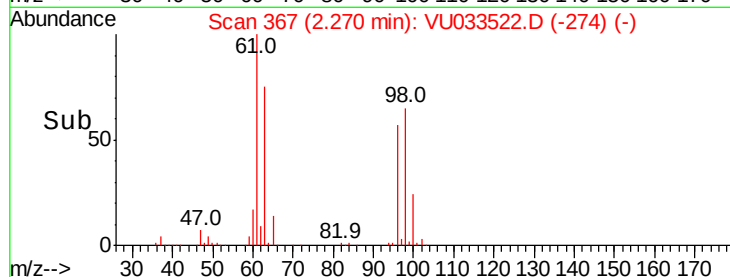
63 131.4 86.6 160.8



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 7.002 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU033522.D

Acq: 31 Jul 2019 13:48

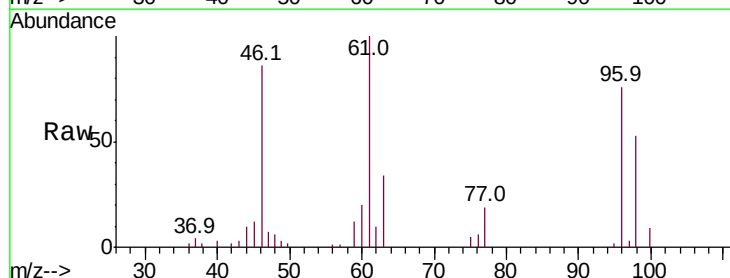
Tgt Ion: 96 Resp: 16106

Ion Ratio Lower Upper

96 100

61 131.4 91.3 169.6

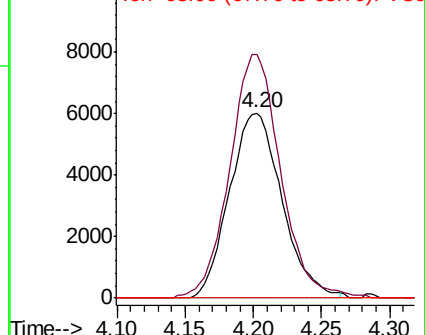
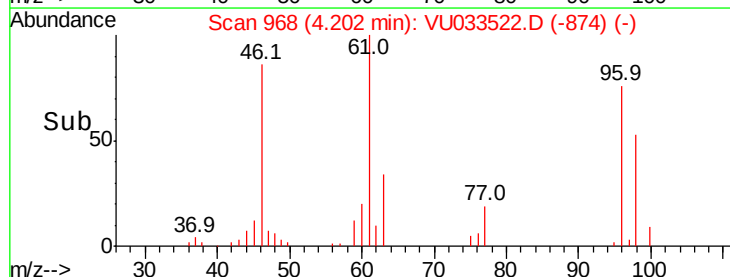
68 0.0 0.0 0.0

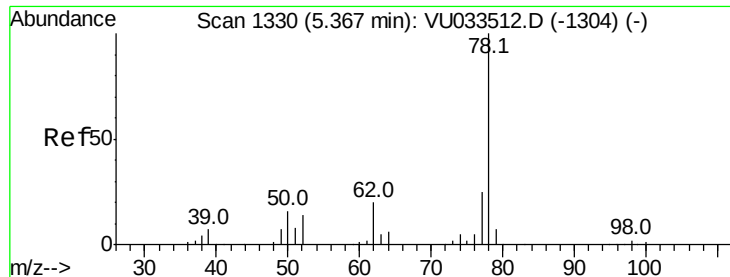


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#33

Benzene

Concen: 51.830 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VU033522.D

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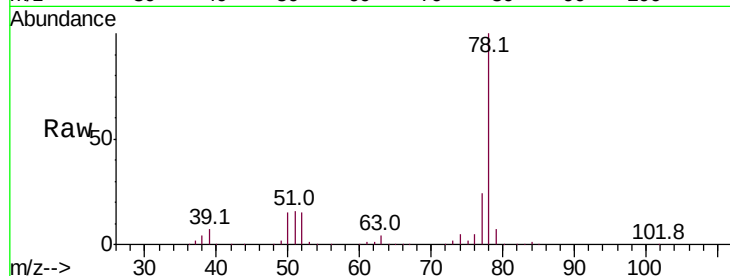
Instrument :

MSVOA_U

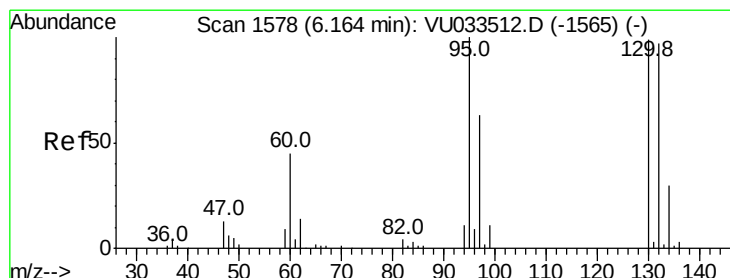
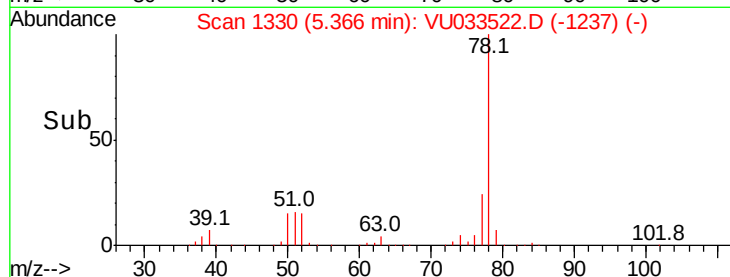
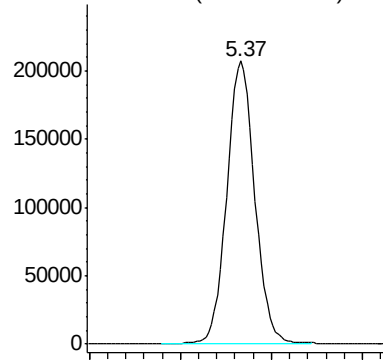
ClientSampleId :

DB9D8MSD

Tgt Ion: 78 Resp: 444441



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 71.545 ug/L

RT: 6.16 min Scan# 1578

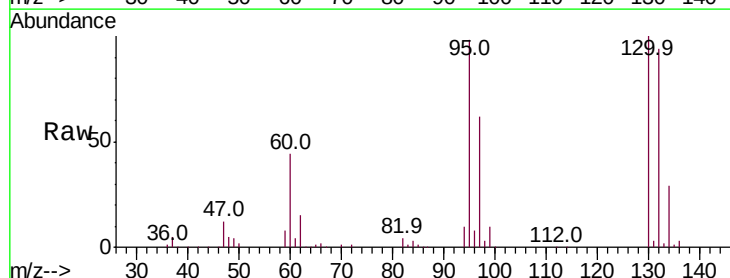
Delta R.T. -0.00 min

Lab File: VU033522.D

Acq: 31 Jul 2019 13:48

Tgt Ion: 95 Resp: 161833

Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.7	83.1
132	95.8	66.8	124.0
130	102.1	71.6	133.0

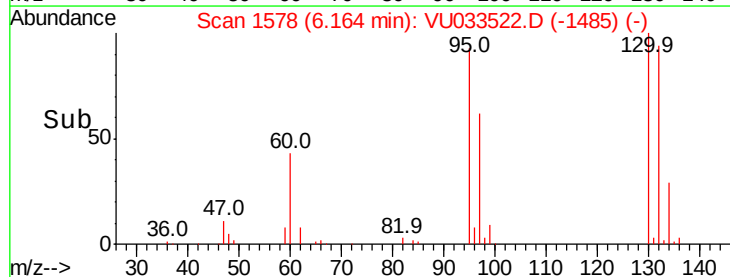
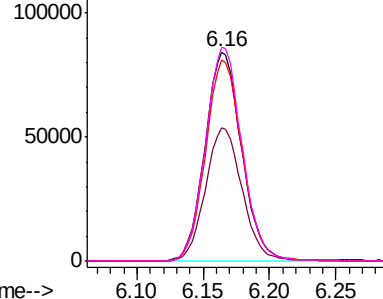


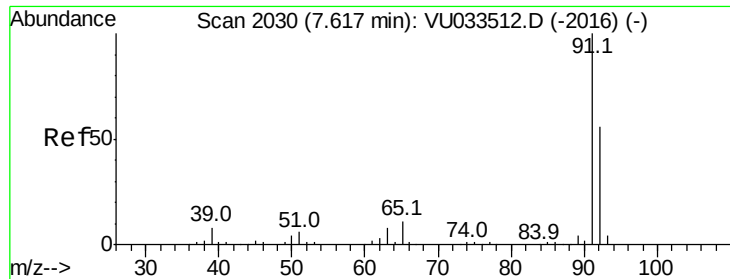
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 51.646 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033522.D

Acq: 31 Jul 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

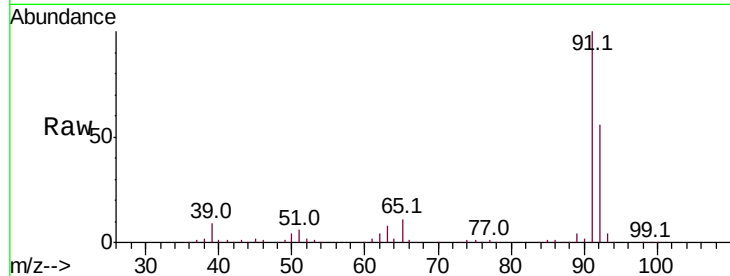
DB9D8MSD

Tot Ion: 91 Resp: 476201

Ion Ratio Lower Upper

91 100

92 55.9 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VU033512.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033512.D (-2016) (-)

7.62

300000

250000

200000

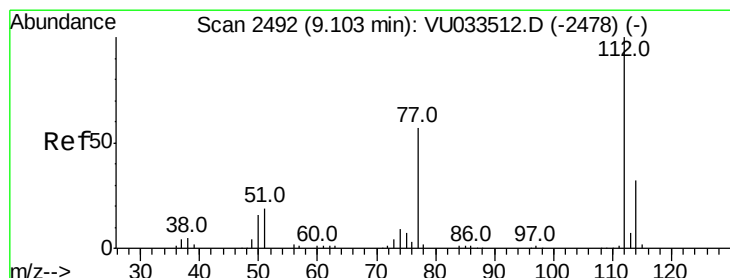
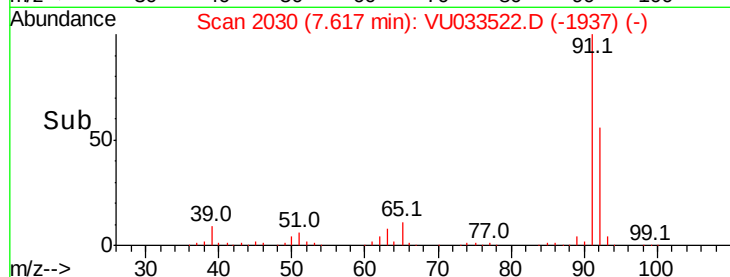
150000

100000

50000

0

Time-->



#51

Chlorobenzene

Concen: 50.394 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. -0.00 min

Lab File: VU033522.D

Acq: 31 Jul 2019 13:48

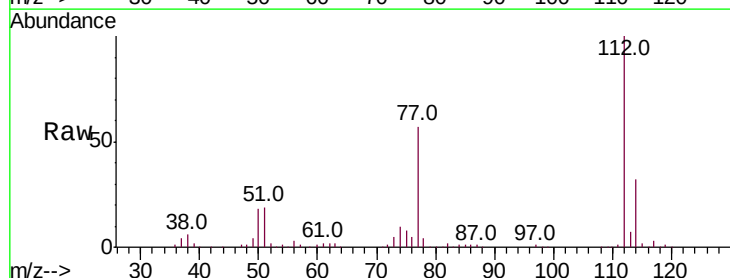
Tgt Ion: 112 Resp: 304211

Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.5

77 57.3 45.6 68.4



Abundance Ion 112.00 (111.70 to 112.70): VU033512.D (-2478) (-)

Ion 114.00 (113.70 to 114.70): VU033512.D (-2478) (-)

Ion 77.00 (76.70 to 77.70): VU033512.D (-2478) (-)

9.10

250000

200000

150000

100000

50000

0

Time-->

