

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071818\
 Data File : VU025508.D
 Acq On : 18 Jul 2018 19:54
 Operator : MD/SY
 Sample : J4039-02MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 19 02:02:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 19 01:07:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	317301	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	287343	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	133791	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	57226	38.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.48%
7) Chloroethane-d5	1.68	69	53935	42.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.62%
11) 1,1-Dichloroethene-d2	2.28	63	151893	46.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.46%
21) 2-Butanone-d5	4.18	46	142653	89.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.59%
24) Chloroform-d	4.65	84	172416	44.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.84%
26) 1,2-Dichloroethane-d4	5.31	65	120110	45.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.94%
32) Benzene-d6	5.35	84	317545	45.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.46%
36) 1,2-Dichloropropane-d6	6.33	67	108730	47.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.56%
41) Toluene-d8	7.57	98	295648	43.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.98%
43) trans-1,3-Dichloropropene-	7.85	79	51163	42.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.48%
47) 2-Hexanone-d5	8.31	63	103464	86.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.79%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	157305	46.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	125196	46.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.40%

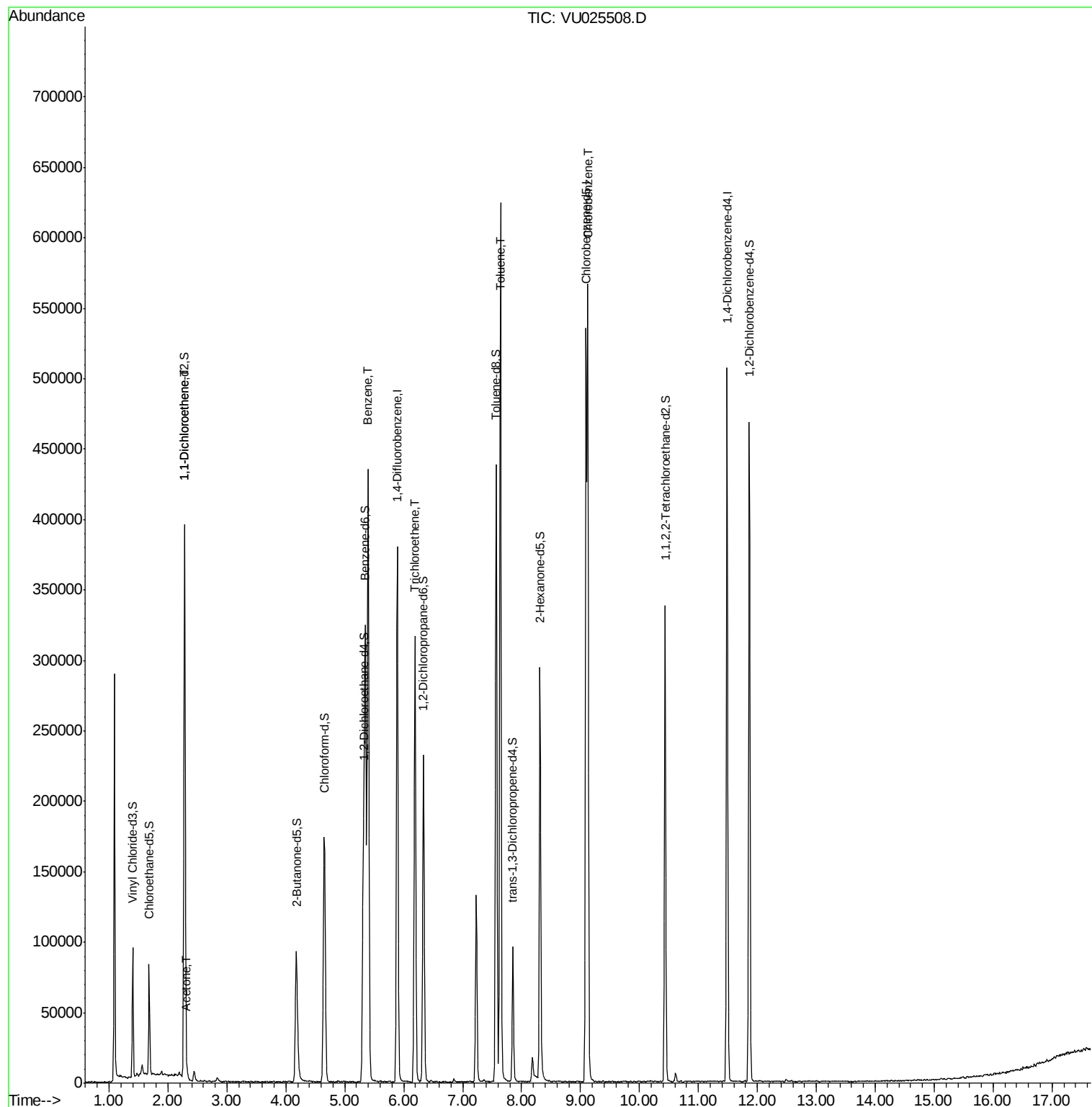
Target Compounds

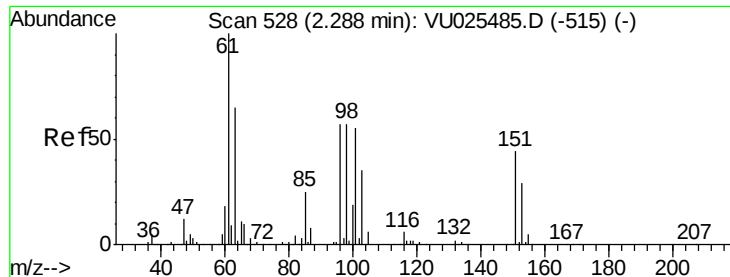
					Ovalue
12) 1,1-Dichloroethene	2.28	96	88613	51.52	ug/L 92
13) Acetone	2.32	43	6444	4.63	ug/L 94
33) Benzene	5.39	78	418184	49.19	ug/L 100
34) Trichloroethene	6.19	95	106563	47.35	ug/L 97
42) Toluene	7.64	91	448514	49.48	ug/L 100
51) Chlorobenzene	9.12	112	294744	48.46	ug/L 98

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

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#12

1,1-Dichloroethene

Concen: 51.52 ug/L

RT: 2.28 min Scan# 527

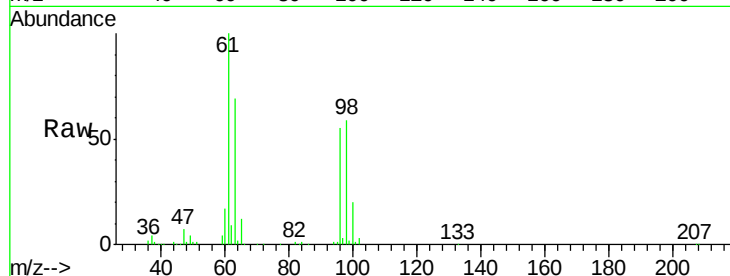
Delta R.T. -0.00 min

Lab File: VU025508.D

Acq: 18 Jul 2018 19:54

Tot Ion: 96 Resp: 88613

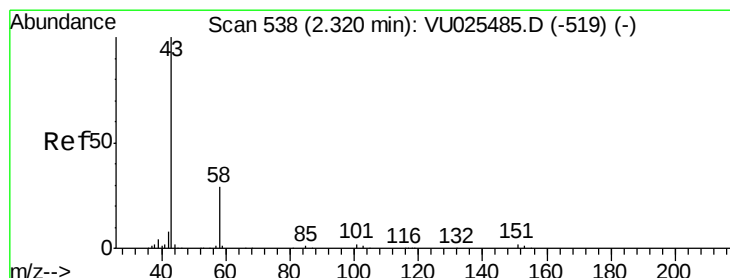
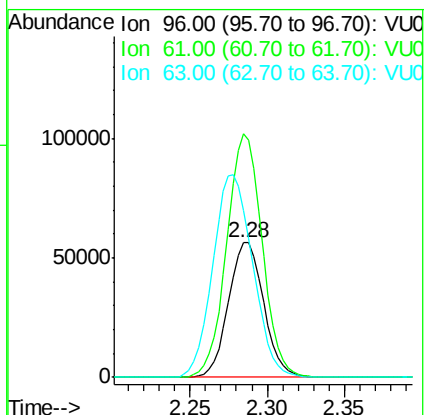
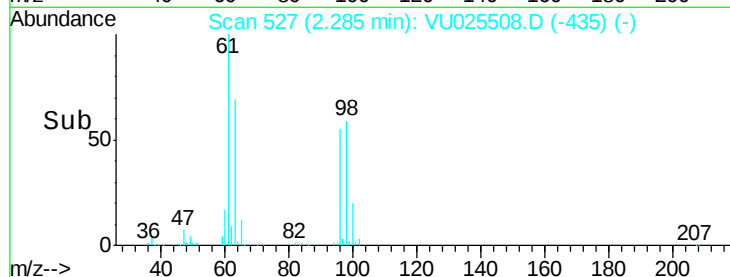
Ion	Ratio	Lower	Upper
96	100		
61	181.0	120.6	224.0
63	124.4	79.3	147.3



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



#13

Acetone

Concen: 4.63 ug/L

RT: 2.32 min Scan# 539

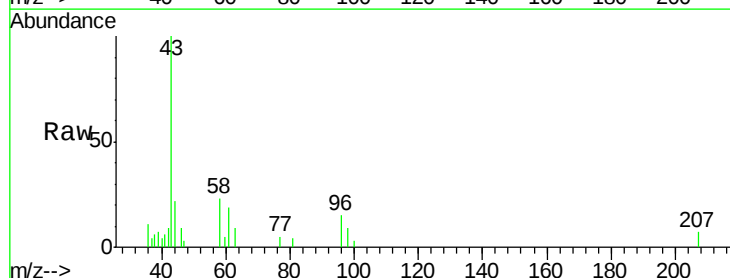
Delta R.T. 0.00 min

Lab File: VU025508.D

Acq: 18 Jul 2018 19:54

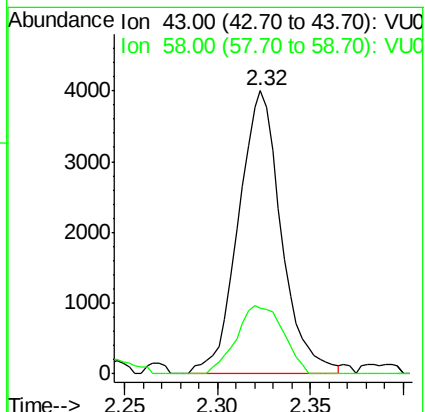
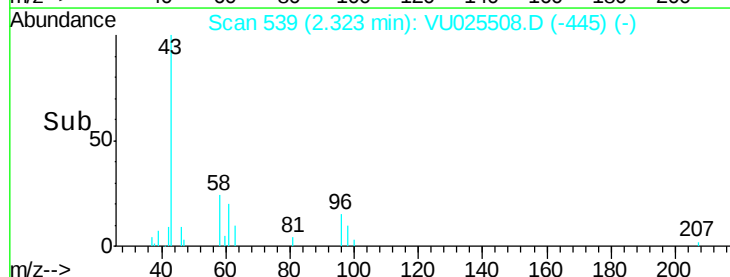
Tgt Ion: 43 Resp: 6444

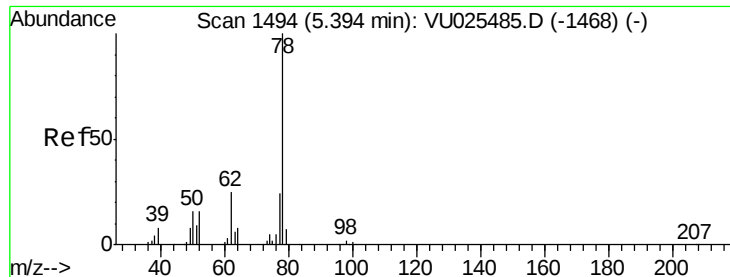
Ion	Ratio	Lower	Upper
43	100		
58	26.1	0.0	59.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#33

Benzene

Concen: 49.19 ug/L

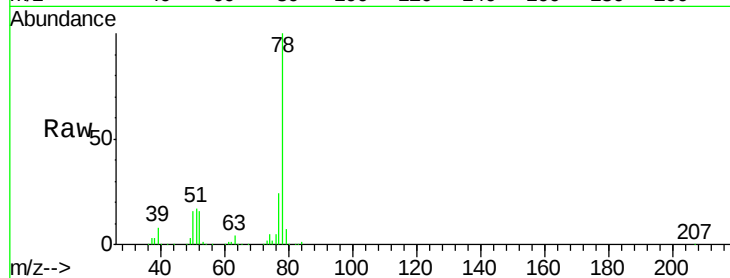
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

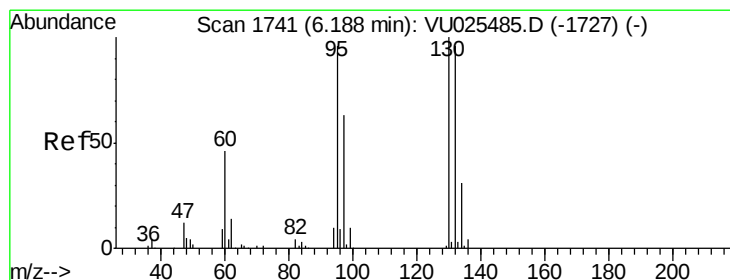
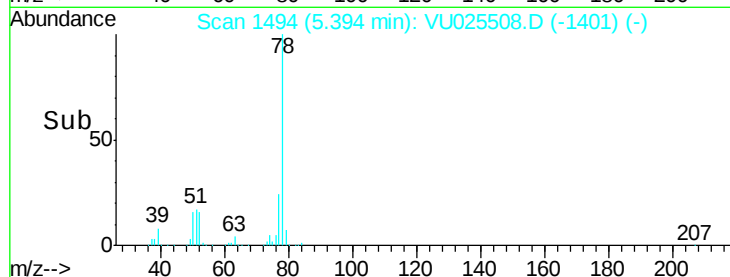
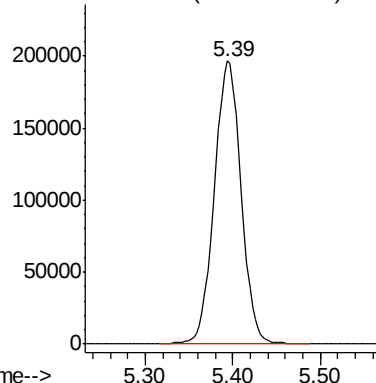
Lab File: VU025508.D

Acq: 18 Jul 2018 19:54

Tgt Ion: 78 Resp: 418184



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 47.35 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025508.D

Acq: 18 Jul 2018 19:54

Tgt Ion: 95 Resp: 106563

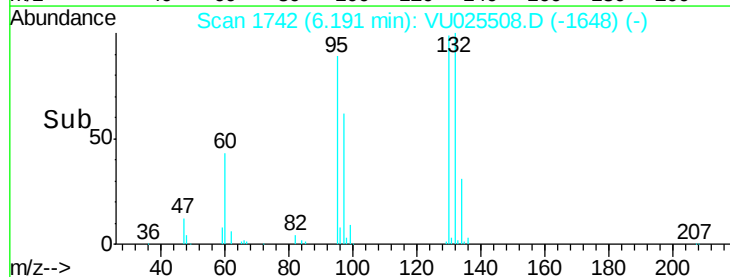
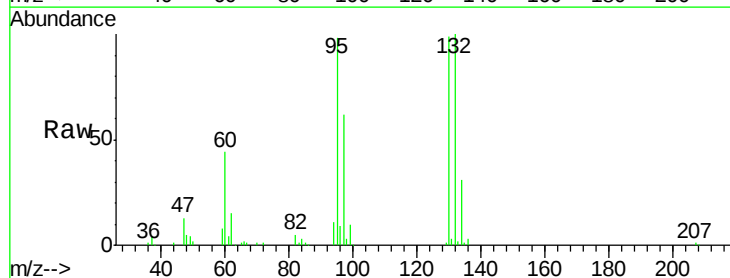
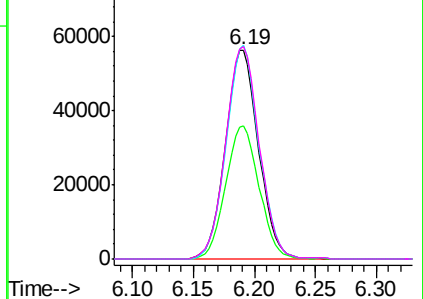
Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.9	85.3
132	102.3	68.2	126.6
130	101.7	71.8	133.4

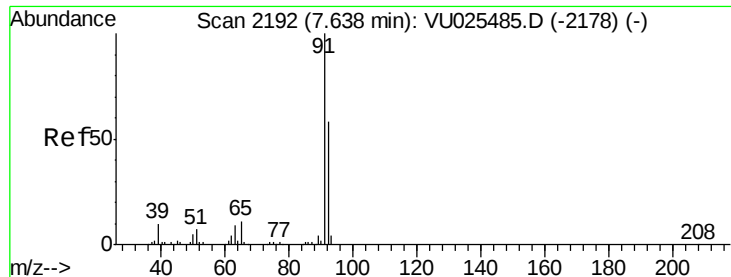
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 49.48 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025508.D

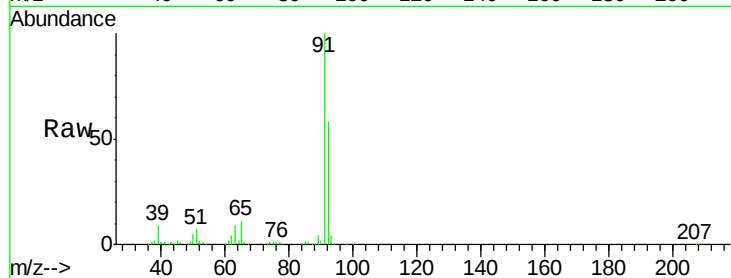
Acq: 18 Jul 2018 19:54

Tot Ion: 91 Resp: 448514

Ion Ratio Lower Upper

91 100

92 57.8 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VU025508.D (-2199) (-)

Ion 92.00 (91.70 to 92.70): VU025508.D (-2199) (-)

7.64

250000

200000

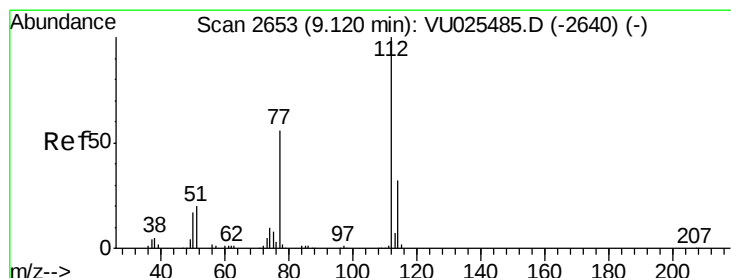
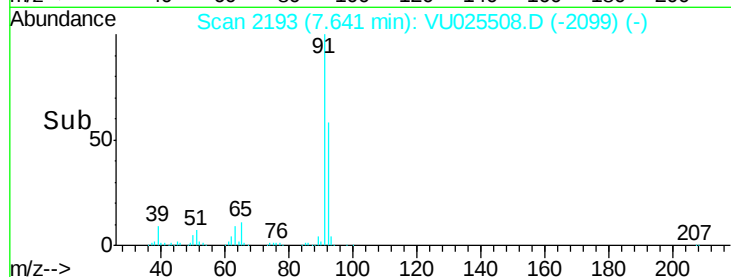
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#51

Chlorobenzene

Concen: 48.46 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. 0.00 min

Lab File: VU025508.D

Acq: 18 Jul 2018 19:54

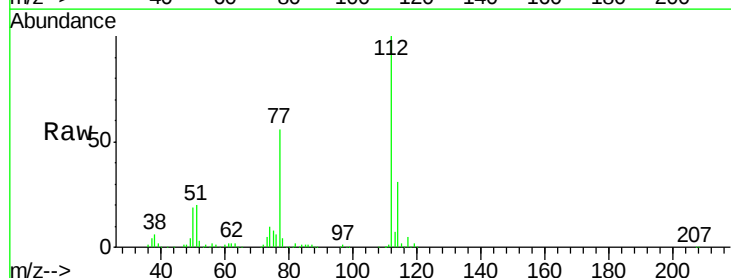
Tgt Ion: 112 Resp: 294744

Ion Ratio Lower Upper

112 100

114 31.2 22.8 42.4

77 56.5 45.8 68.8



Abundance Ion 112.00 (111.70 to 112.70): VU025508.D (-2660) (-)

Ion 114.00 (113.70 to 114.70): VU025508.D (-2660) (-)

Ion 77.00 (76.70 to 77.70): VU025508.D (-2660) (-)

9.12

200000

150000

100000

50000

0

Time--> 9.05 9.10 9.15 9.20

