

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061019\
 Data File : VU032558.D
 Acq On : 10 Jun 2019 12:11
 Operator : JC/SP
 Sample : K3277-04MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8B0MS

Quant Time: Jun 11 05:15:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 11 04:40:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	206529	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	194145	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	102751	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	66642	49.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.46%
7) Chloroethane-d5	1.67	69	52992	49.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.42%
11) 1,1-Dichloroethene-d2	2.27	63	128288	48.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.80%
21) 2-Butanone-d5	4.16	46	125987	112.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.35%
24) Chloroform-d	4.64	84	120786	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.66%
26) 1,2-Dichloroethane-d4	5.30	65	78997	50.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.36%
32) Benzene-d6	5.33	84	253971	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.78%
36) 1,2-Dichloropropane-d6	6.32	67	79513	50.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.62%
41) Toluene-d8	7.56	98	238936	50.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	7.85	79	39350	52.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.06%
47) 2-Hexanone-d5	8.31	63	82140	107.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.15%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	115393	50.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.78%
64) 1,2-Dichlorobenzene-d4	11.86	152	101464	51.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.12%

Target Compounds

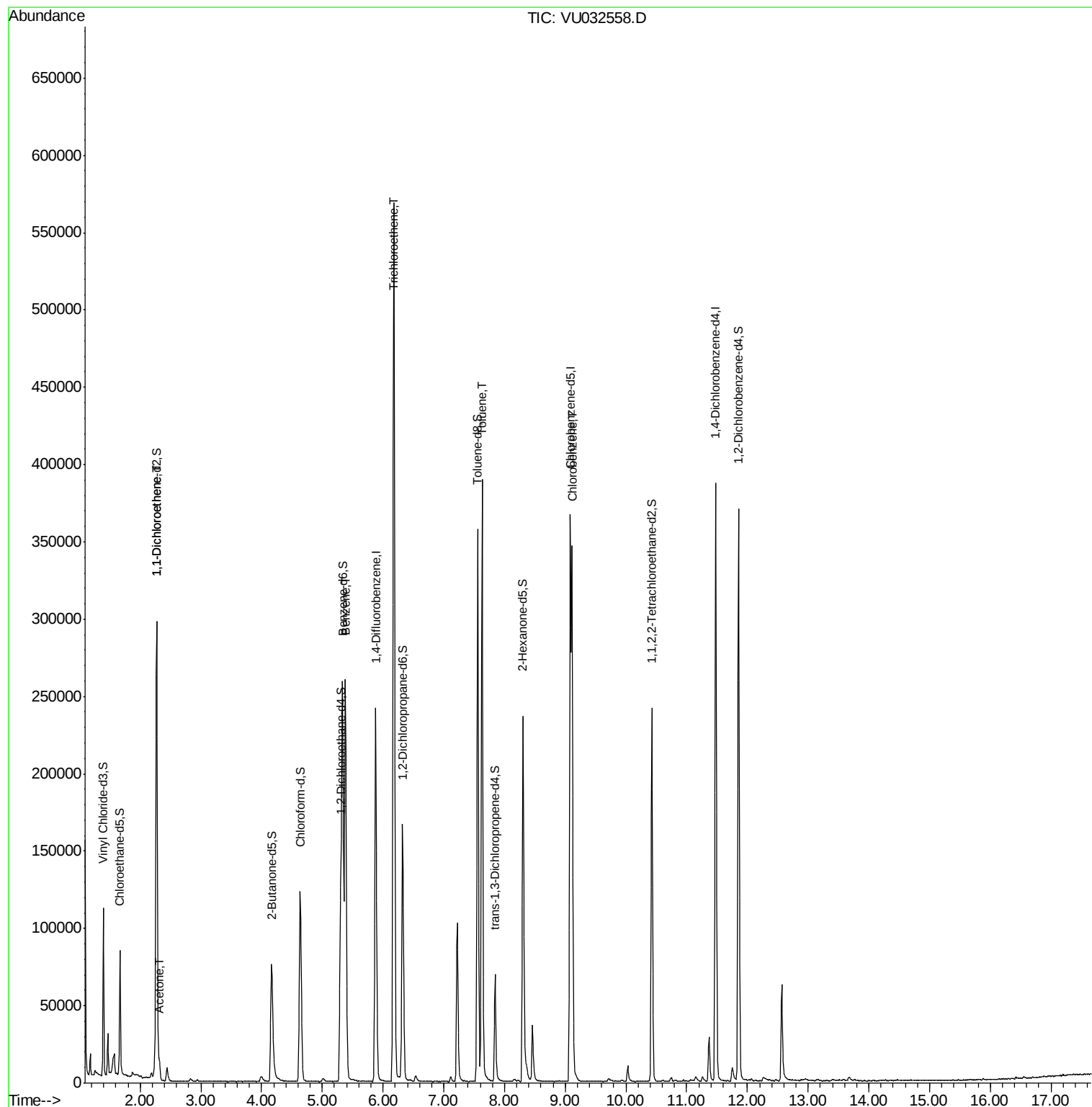
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	57030	46.537	ug/L	90
13) Acetone	2.32	43	13155	11.370	ug/L	98
33) Benzene	5.38	78	252074	46.211	ug/L	100
34) Trichloroethene	6.18	95	188745	127.181	ug/L	99
42) Toluene	7.63	91	284701	47.657	ug/L	98
51) Chlorobenzene	9.11	112	178487	46.374	ug/L	100

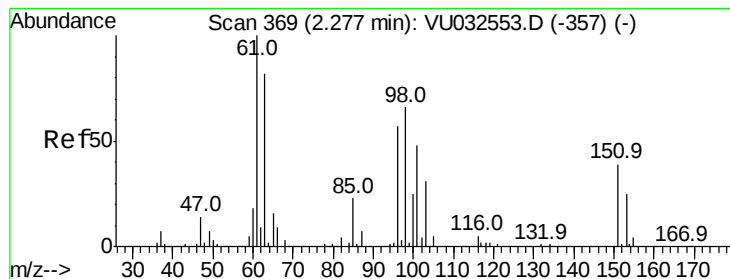
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Jun 11 04:40:52 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 46.537 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032558.D

Acq: 10 Jun 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

DB8B0MS

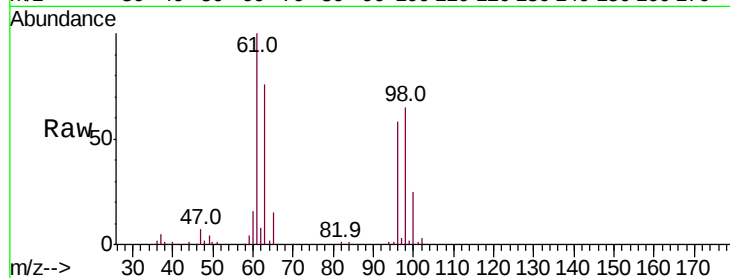
Tot Ion: 96 Resp: 57030

Ion Ratio Lower Upper

96 100

61 172.6 129.5 240.5

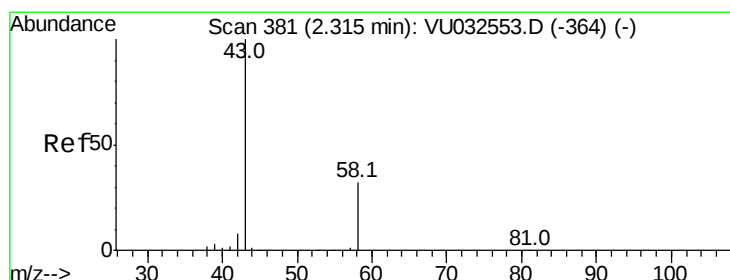
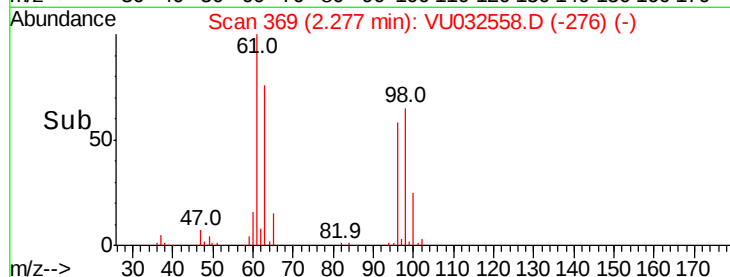
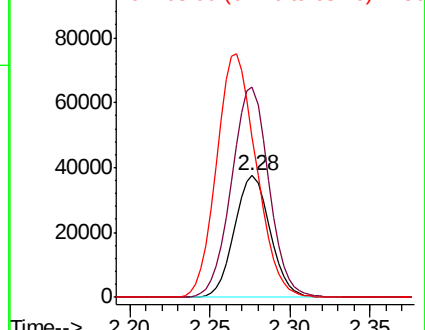
63 131.8 103.4 192.0



Abundance Ion 96.00 (95.70 to 96.70): VU032558.D (-276) (-)

Ion 61.00 (60.70 to 61.70): VU032558.D (-276) (-)

Ion 63.00 (62.70 to 63.70): VU032558.D (-276) (-)



#13

Acetone

Concen: 11.370 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032558.D

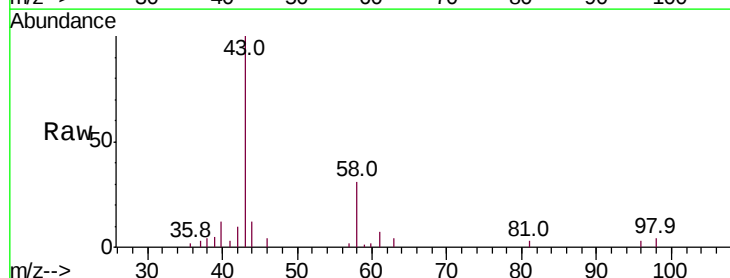
Acq: 10 Jun 2019 12:11

Tgt Ion: 43 Resp: 13155

Ion Ratio Lower Upper

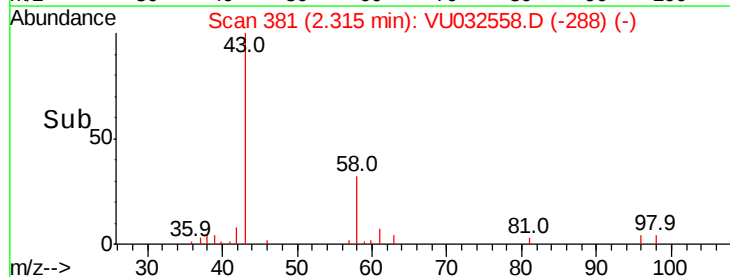
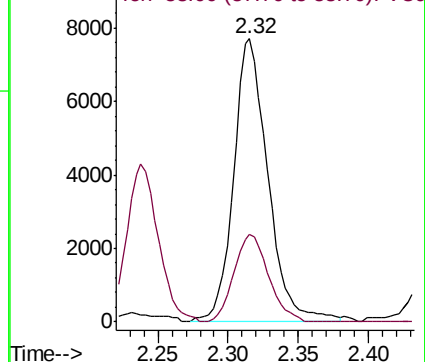
43 100

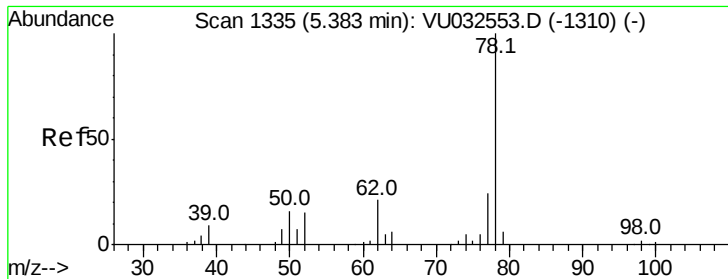
58 31.1 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032558.D (-288) (-)

Ion 58.00 (57.70 to 58.70): VU032558.D (-288) (-)





#33

Benzene

Concen: 46.211 ug/L

RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VU032558.D

Acq: 10 Jun 2019 12:11

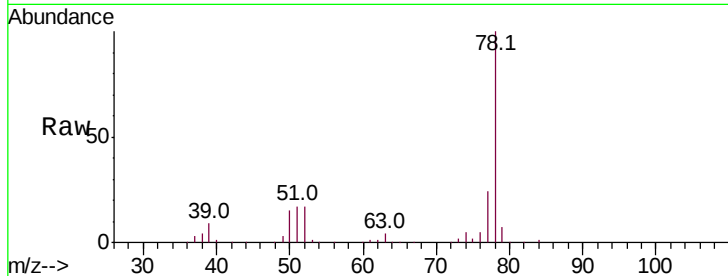
Instrument :

MSVOA_U

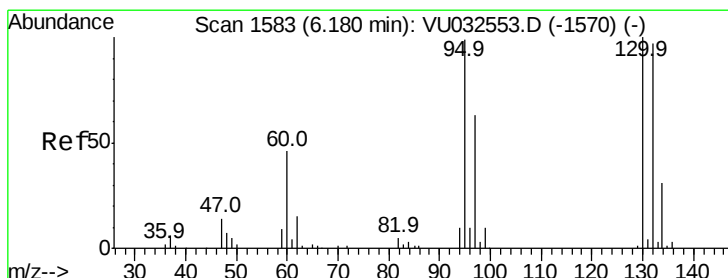
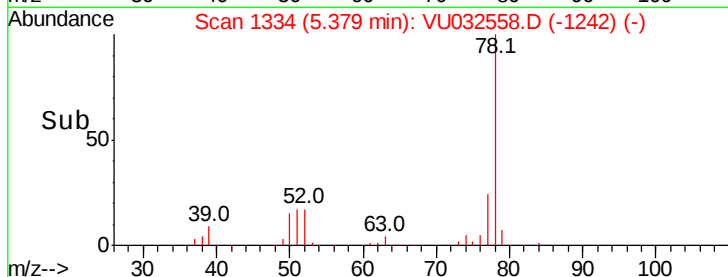
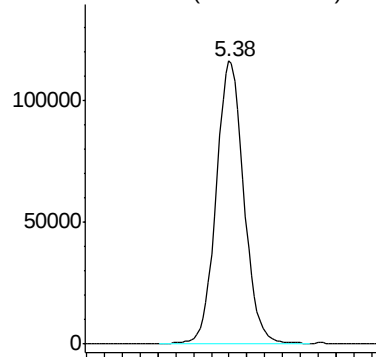
ClientSampleId :

DB8B0MS

Tgt Ion: 78 Resp: 252074



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 127.181 ug/L

RT: 6.18 min Scan# 1582

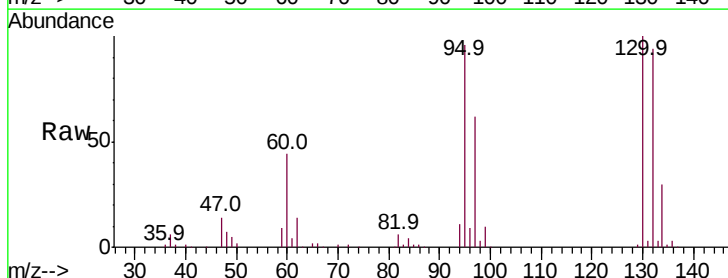
Delta R.T. -0.00 min

Lab File: VU032558.D

Acq: 10 Jun 2019 12:11

Tgt Ion: 95 Resp: 188745

Ion	Ratio	Lower	Upper
95	100		
97	65.4	45.8	85.2
132	98.8	71.0	131.8
130	104.7	73.4	136.2

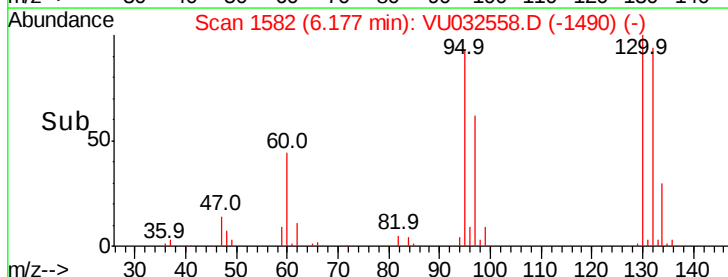


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



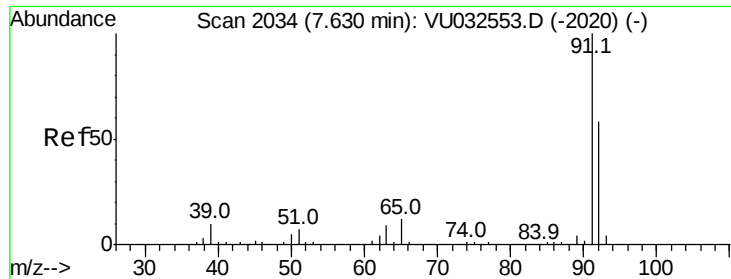
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Time-->



#42

Toluene

Concen: 47.657 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032558.D

Acq: 10 Jun 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

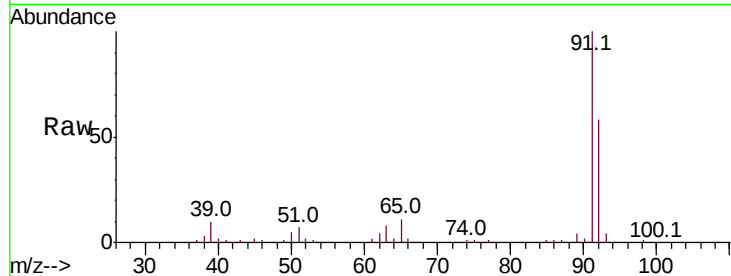
DB8B0MS

Tot Ion: 91 Resp: 284701

Ion Ratio Lower Upper

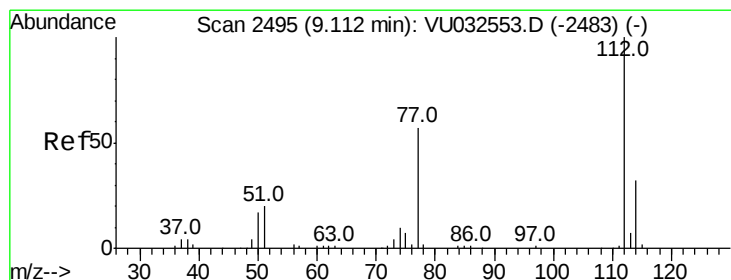
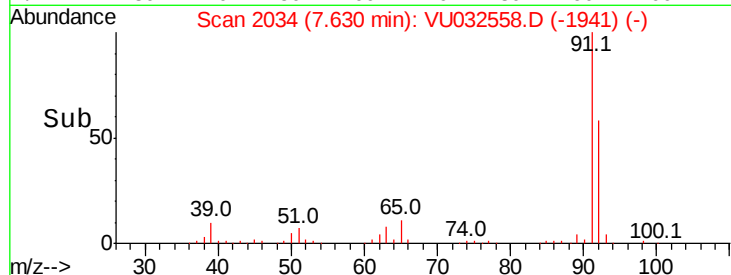
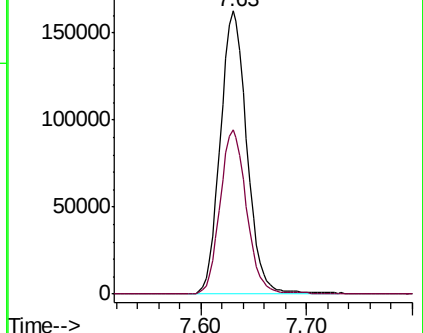
91 100

92 57.9 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032558.D (-2402) (-)

Ion 92.00 (91.70 to 92.70): VU032558.D (-2402) (-)



#51

Chlorobenzene

Concen: 46.374 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. -0.00 min

Lab File: VU032558.D

Acq: 10 Jun 2019 12:11

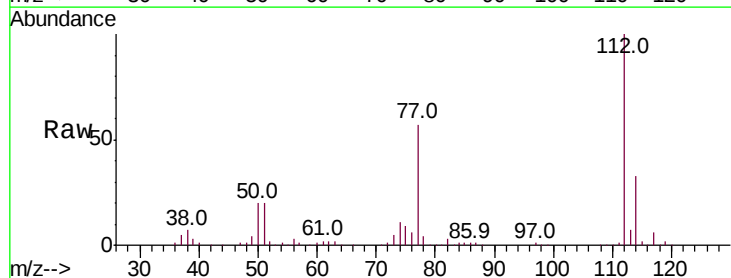
Tgt Ion: 112 Resp: 178487

Ion Ratio Lower Upper

112 100

114 32.6 22.6 42.0

77 57.4 46.1 69.1



Abundance Ion 112.00 (111.70 to 112.70): VU032558.D (-2402) (-)

Ion 114.00 (113.70 to 114.70): VU032558.D (-2402) (-)

Ion 77.00 (76.70 to 77.70): VU032558.D (-2402) (-)

