

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091518\
 Data File : VU026764.D
 Acq On : 14 Sep 2018 14:26
 Operator : MD/SY
 Sample : J4893-20DL 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K8DL

Quant Time: Sep 15 01:49:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 15 00:18:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	160608	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	150447	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	64641	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	53228	44.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.94%
7) Chloroethane-d5	1.68	69	44719	46.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.74%
11) 1,1-Dichloroethene-d2	2.27	63	74397	34.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.46%
21) 2-Butanone-d5	4.18	46	79182	106.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.31%
24) Chloroform-d	4.65	84	92195	46.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.66%
26) 1,2-Dichloroethane-d4	5.31	65	62596	48.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.12%
32) Benzene-d6	5.34	84	185645	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
36) 1,2-Dichloropropane-d6	6.33	67	64658	49.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.96%
41) Toluene-d8	7.57	98	161509	44.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.42%
43) trans-1,3-Dichloropropene-	7.85	79	27248	44.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.70%
47) 2-Hexanone-d5	8.31	63	54088	101.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.45%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	85986	48.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	63669	49.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.82%

Target Compounds

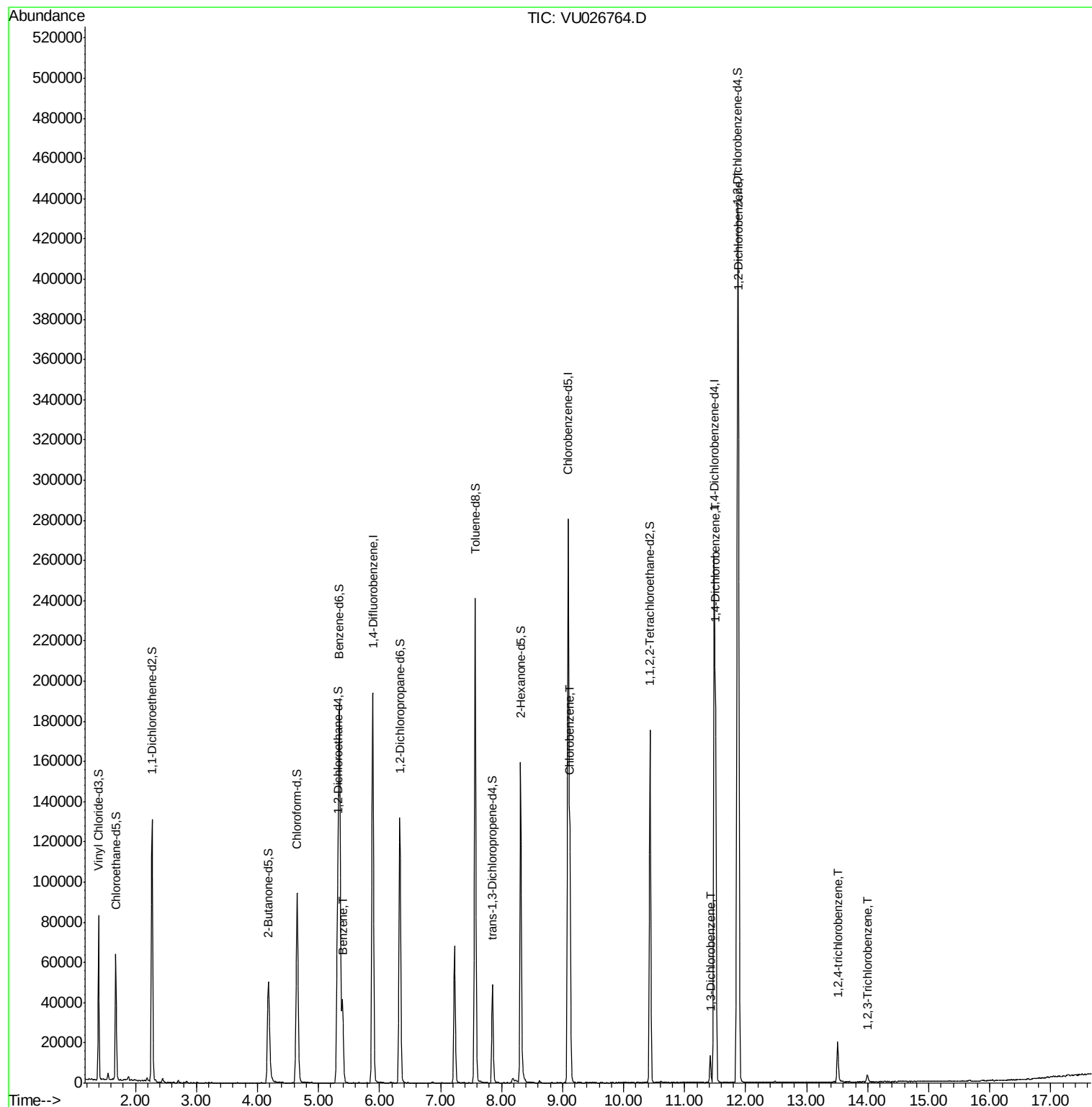
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
33) Benzene	5.39	78	41270	9.796	ug/L	100
51) Chlorobenzene	9.12	112	63541	22.161	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	5950	3.206	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	64727	32.919	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	151950	77.462	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	7517	5.874	ug/L	98
70) 1,2,3-Trichlorobenzene	14.00	180	1939	1.399	ug/L #	86

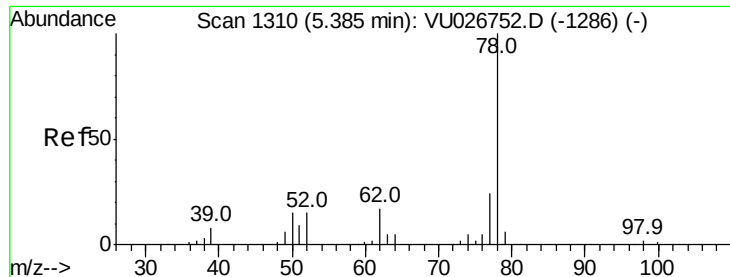
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#33

Benzene

Concen: 9.796 ug/L

RT: 5.39 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU026764.D

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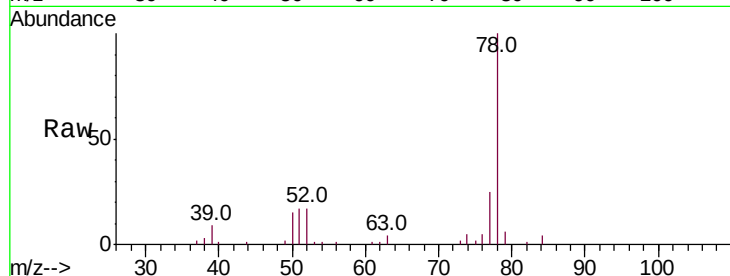
Instrument :

MSVOA_U

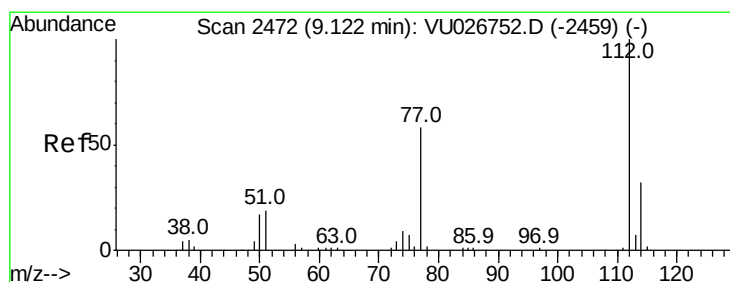
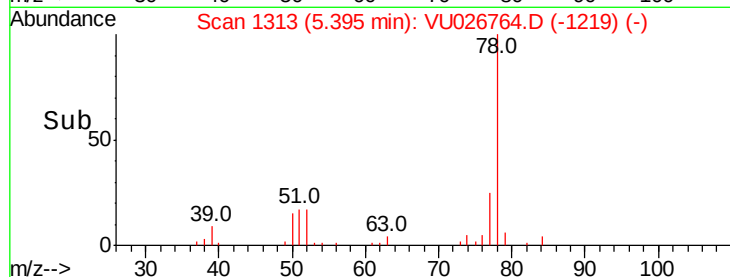
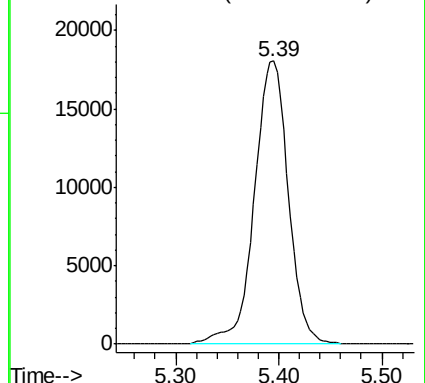
ClientSampleId :

C08K8DL

Tgt Ion: 78 Resp: 41270



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 22.161 ug/L

RT: 9.12 min Scan# 2472

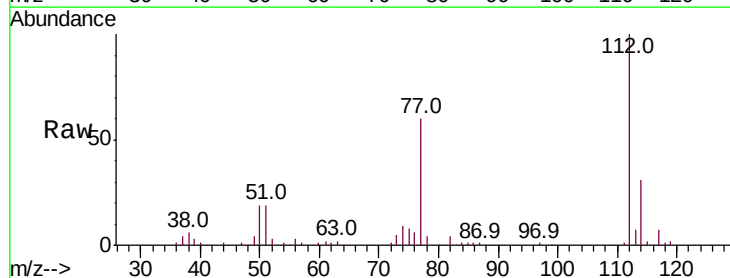
Delta R.T. -0.00 min

Lab File: VU026764.D

Acq: 14 Sep 2018 14:26

Tgt Ion: 112 Resp: 63541

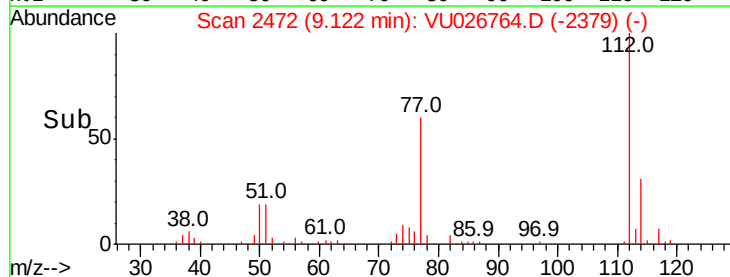
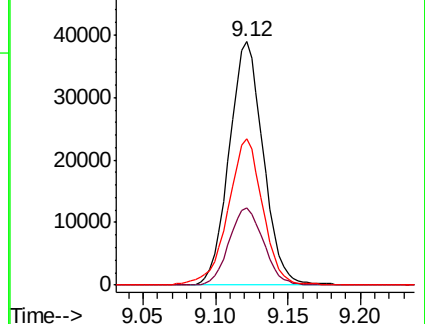
Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.9	42.5
77	59.9	47.2	70.8

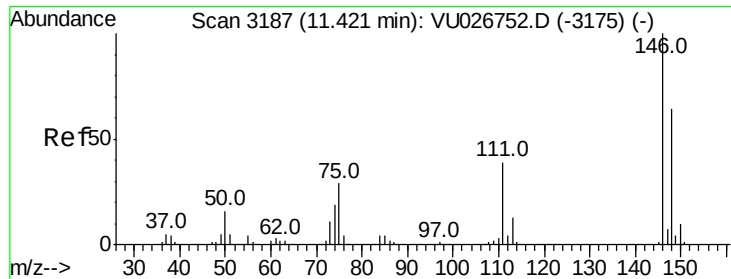


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 3.206 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026764.D

Acq: 14 Sep 2018 14:26

Instrument :

MSVOA_U

ClientSampleId :

C08K8DL

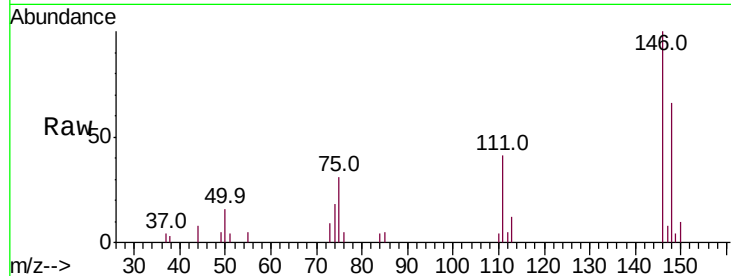
Tot Ion:146 Resp: 5950

Ion Ratio Lower Upper

146 100

111 41.0 26.7 49.5

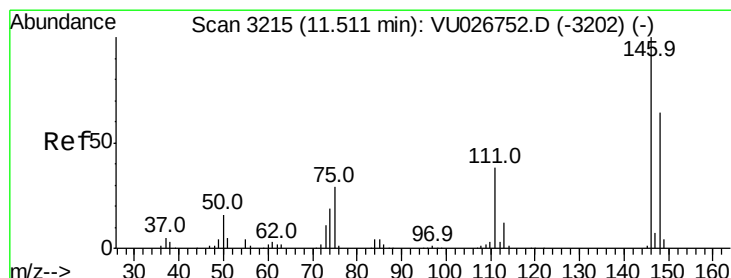
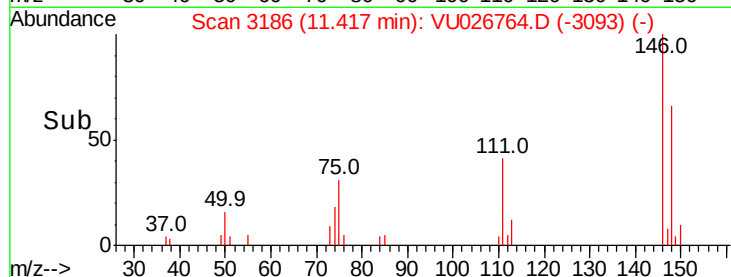
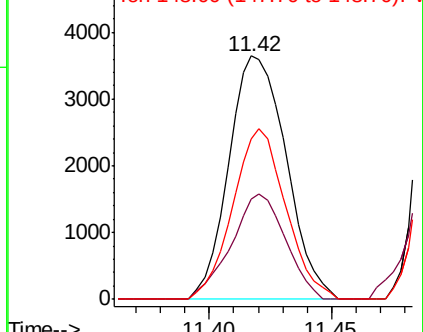
148 65.7 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 32.919 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026764.D

Acq: 14 Sep 2018 14:26

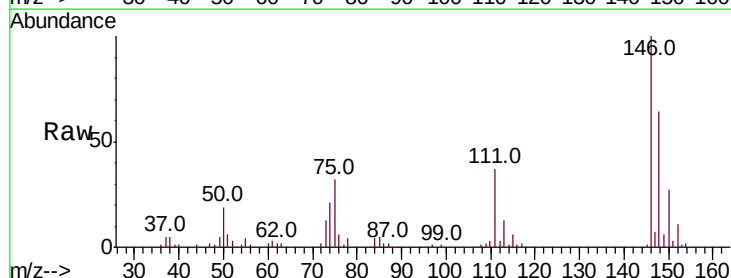
Tgt Ion:146 Resp: 64727

Ion Ratio Lower Upper

146 100

111 37.3 26.5 49.3

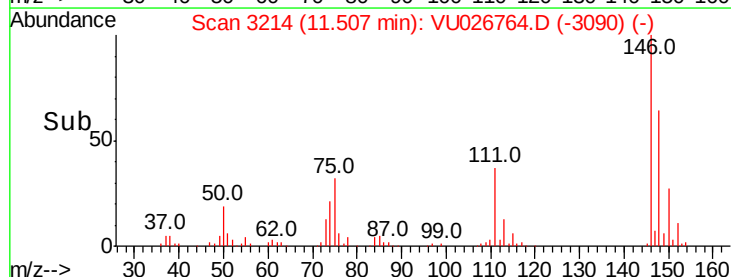
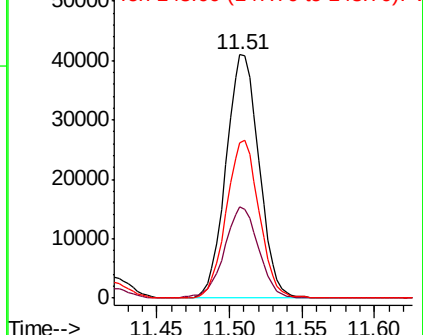
148 64.0 45.2 84.0

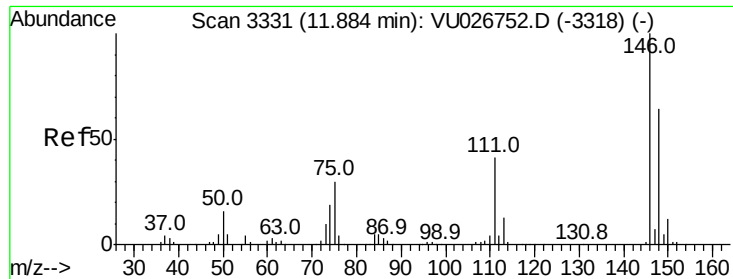


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

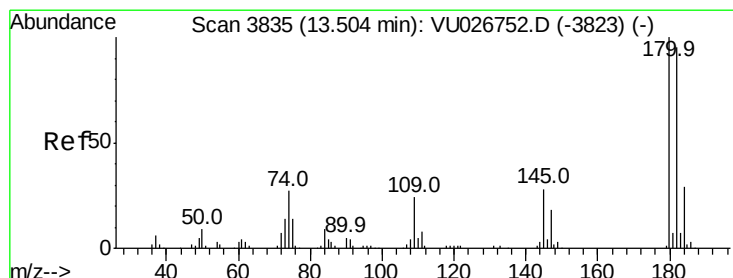
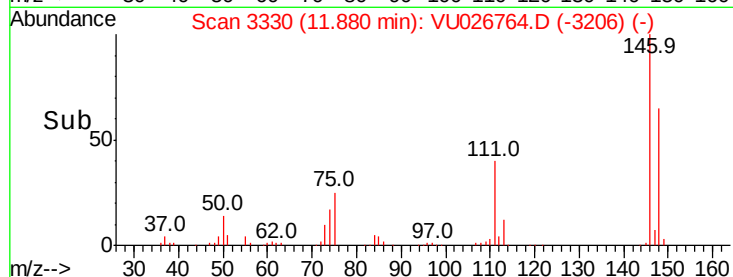
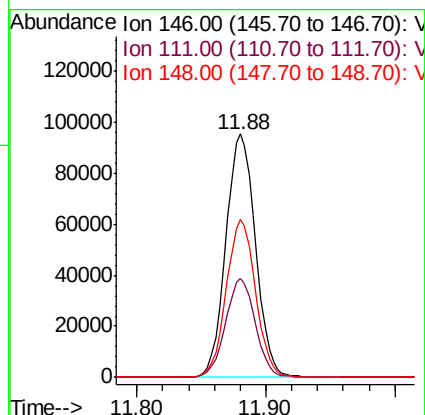
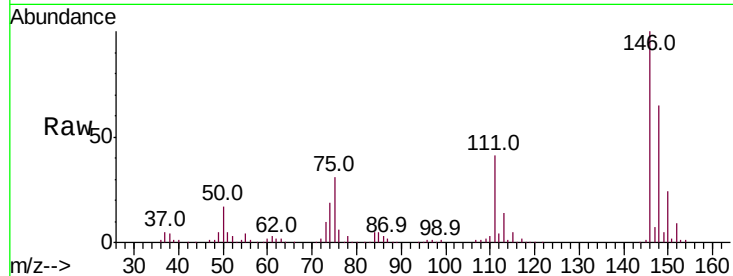




#65
 1,2-Dichlorobenzene
 Concen: 77.462 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026764.D
 Acq: 14 Sep 2018 14:26

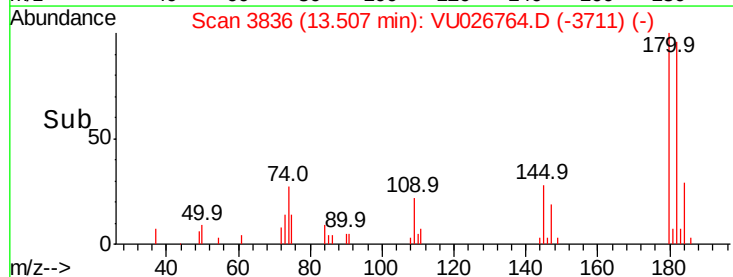
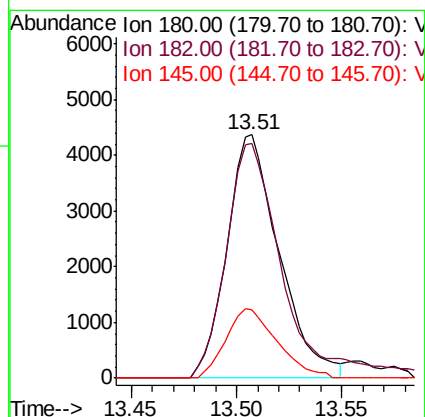
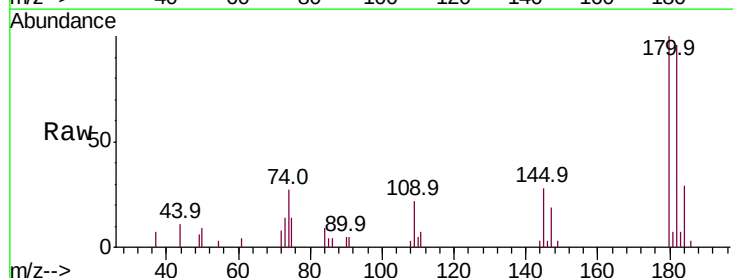
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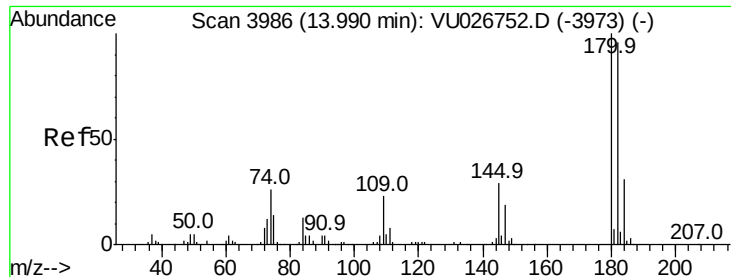
Tot Ion:146 Resp: 151950
 Ion Ratio Lower Upper
 146 100
 111 40.8 32.8 49.2
 148 64.9 52.2 78.4



#68
 1,2,4-trichlorobenzene
 Concen: 5.874 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026764.D
 Acq: 14 Sep 2018 14:26

Tgt Ion:180 Resp: 7517
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.0 114.0
 145 28.0 23.4 35.0





#70

1,2,3-Trichlorobenzene

Concen: 1.399 ug/L

RT: 14.00 min Scan# 3989

Delta R.T. 0.01 min

Lab File: VU026764.D

Acq: 14 Sep 2018 14:26

Instrument :

MSVOA_U

ClientSampleId :

C08K8DL

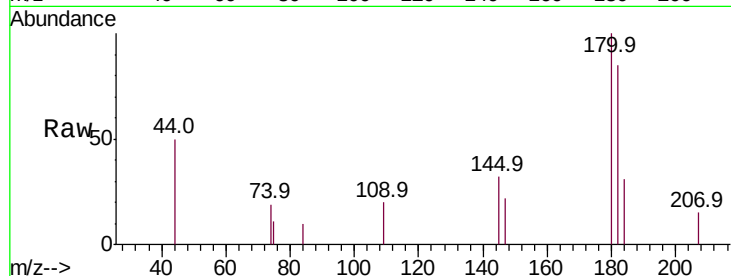
Tot Ion:180 Resp: 1939

Ion Ratio Lower Upper

180 100

182 87.0 76.7 115.1

145 13.6 23.0 34.6#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

