

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U091818\
 Data File : VU026856.D
 Acq On : 18 Sep 2018 12:55
 Operator : MD/SY
 Sample : J4896-06 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K9

Quant Time: Sep 19 06:42:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 19 05:05:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	237170	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	234071	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	116478	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78482	44.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.46%
7) Chloroethane-d5	1.68	69	71564	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.32%
11) 1,1-Dichloroethene-d2	2.27	63	118998	35.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.70%
21) 2-Butanone-d5	4.18	46	132621	113.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.91%
24) Chloroform-d	4.65	84	157858	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.02%
26) 1,2-Dichloroethane-d4	5.31	65	105381	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.84%
32) Benzene-d6	5.34	84	325743	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.32%
36) 1,2-Dichloropropane-d6	6.33	67	107690	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.90%
41) Toluene-d8	7.57	98	280770	47.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.76%
43) trans-1,3-Dichloropropene-	7.85	79	44590	47.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.50%
47) 2-Hexanone-d5	8.31	63	94418	113.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	145683	49.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.86%
64) 1,2-Dichlorobenzene-d4	11.86	152	126323	52.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.26%

Target Compounds

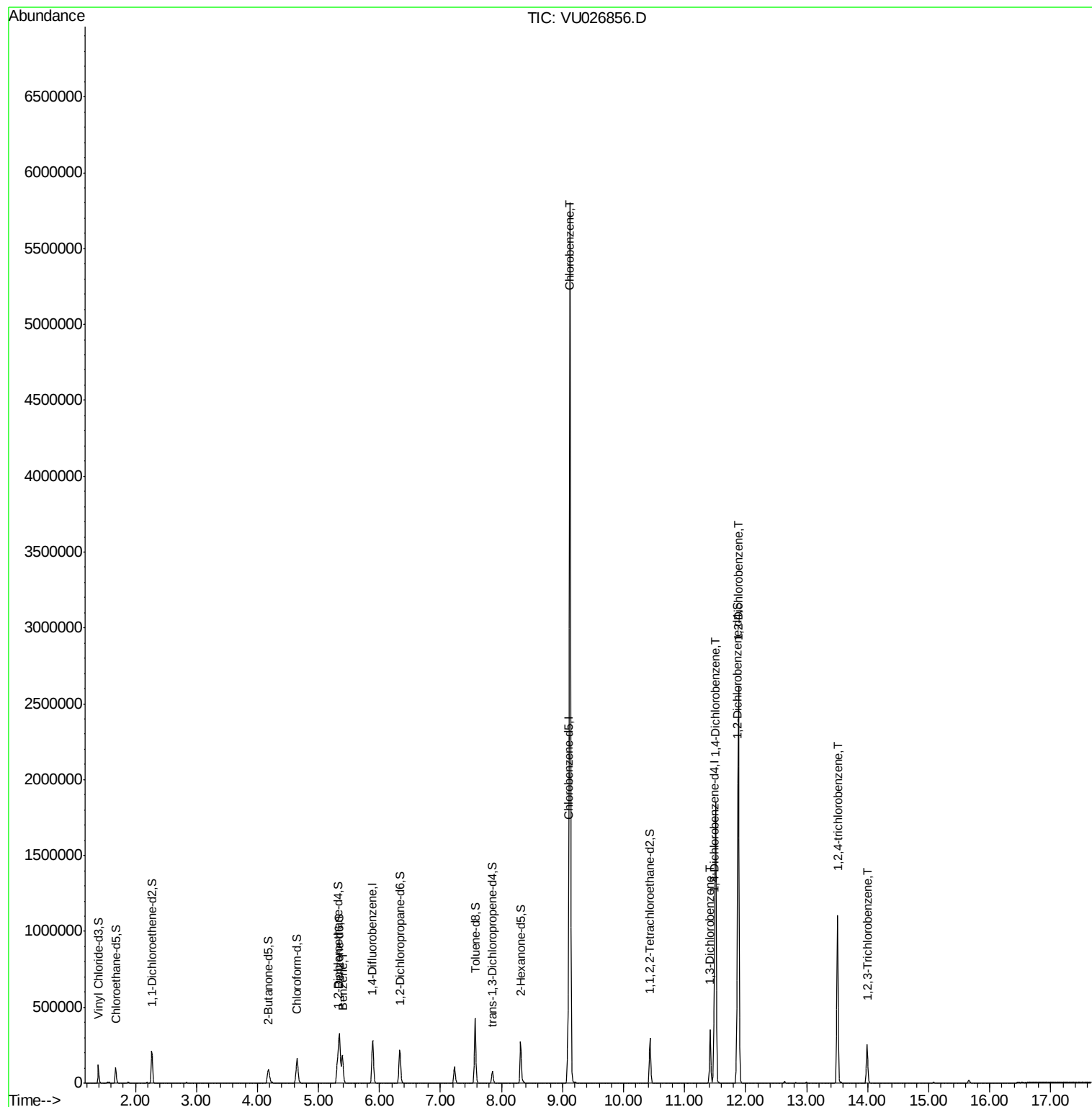
					Ovalue
33) Benzene	5.39	78	180902	24.928	ug/L 100
51) Chlorobenzene	9.12	112	3060548	614.180	ug/L 98
62) 1,3-Dichlorobenzene	11.42	146	145323	40.927	ug/L 98
63) 1,4-Dichlorobenzene	11.51	146	733686	187.649	ug/L 98
65) 1,2-Dichlorobenzene	11.88	146	1035690	263.423	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	352756	148.979	ug/L 100
70) 1,2,3-Trichlorobenzene	13.99	180	84590	32.441	ug/L 99

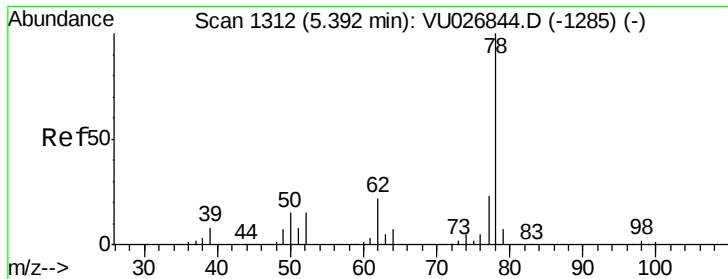
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#33

Benzene

Concen: 24.928 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU026856.D

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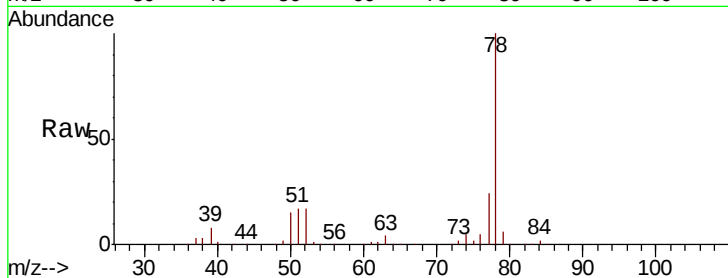
Instrument :

MSVOA_U

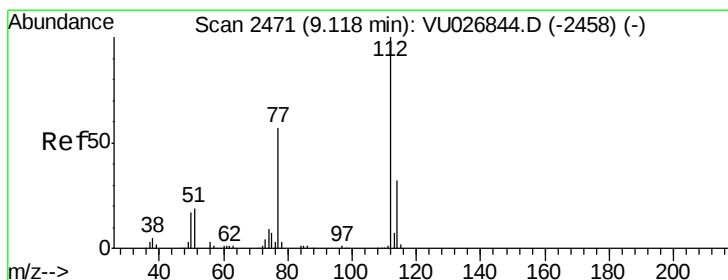
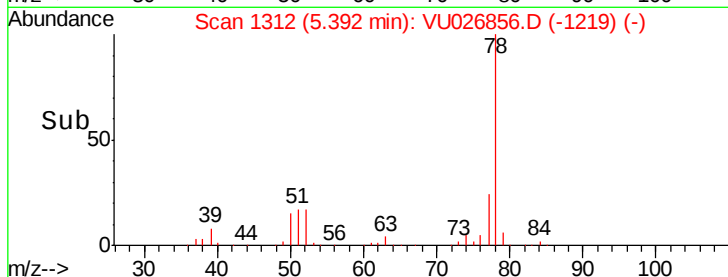
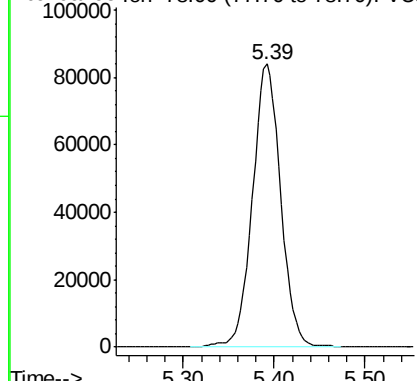
ClientSampleId :

C08K9

Tgt Ion: 78 Resp: 180902



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 614.180 ug/L

RT: 9.12 min Scan# 2472

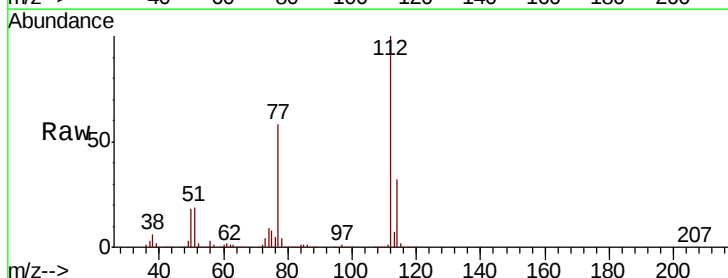
Delta R.T. 0.00 min

Lab File: VU026856.D

Acq: 18 Sep 2018 12:55

Tgt Ion: 112 Resp: 3060548

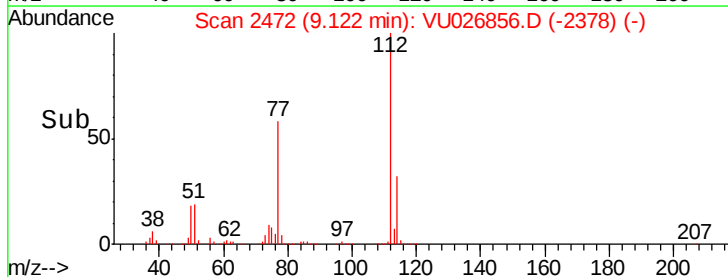
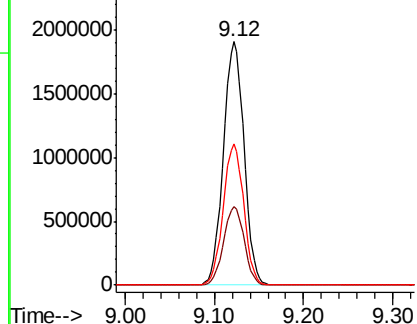
Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.3	41.5
77	57.8	45.1	67.7

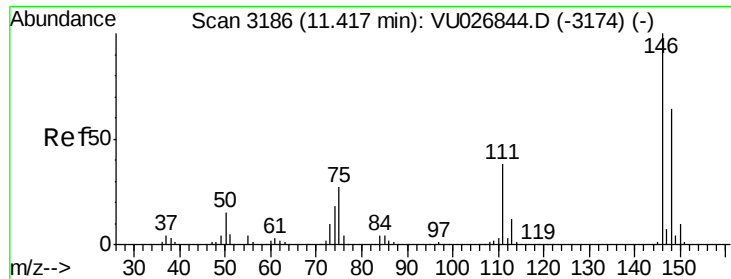


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 40.927 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026856.D

Acq: 18 Sep 2018 12:55

Instrument :

MSVOA_U

ClientSampleId :

C08K9

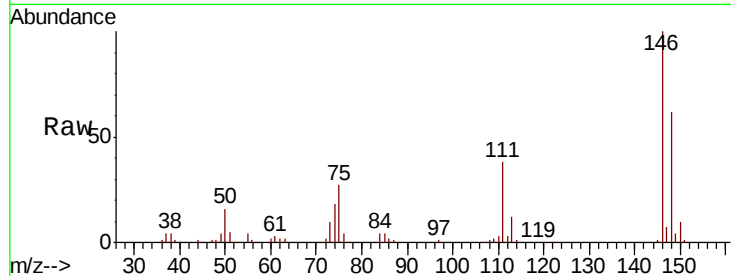
Tot Ion:146 Resp: 145323

Ion Ratio Lower Upper

146 100

111 38.1 26.7 49.7

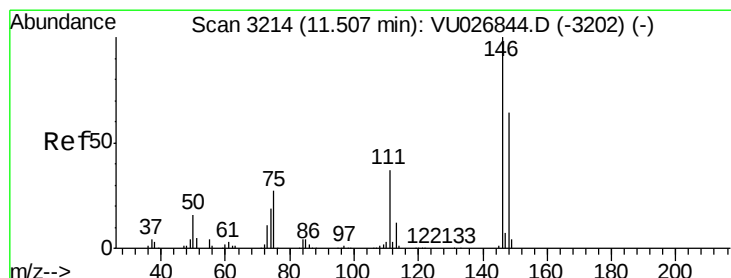
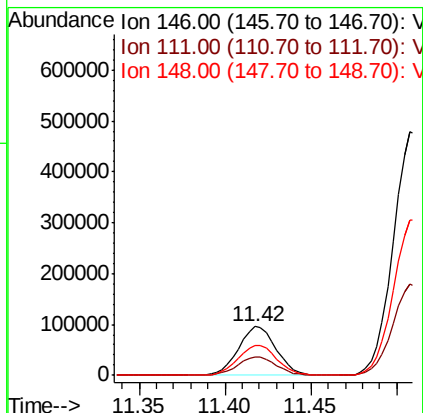
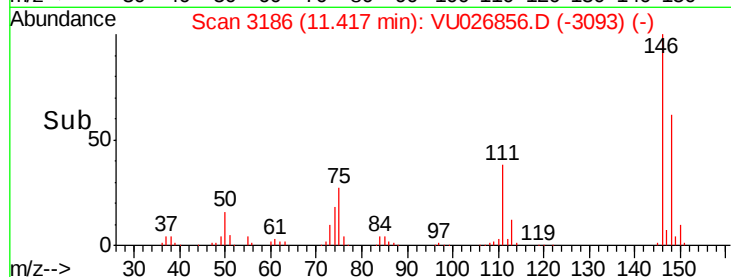
148 62.4 44.9 83.5



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: 187.649 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026856.D

Acq: 18 Sep 2018 12:55

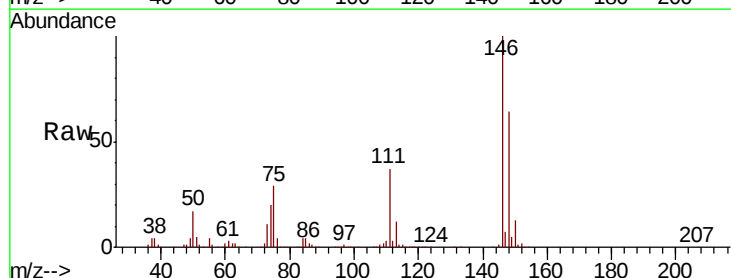
Tgt Ion:146 Resp: 733686

Ion Ratio Lower Upper

146 100

111 37.4 26.0 48.2

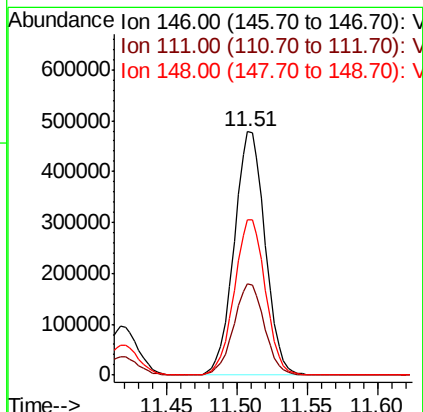
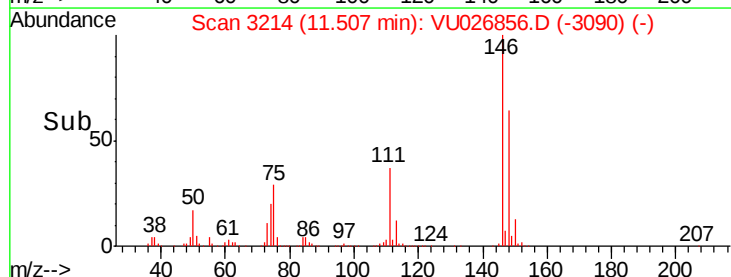
148 63.7 45.8 85.2

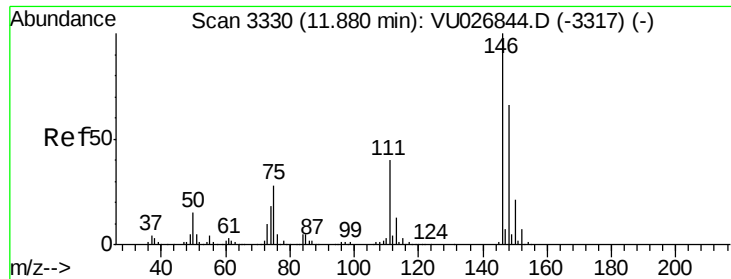


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 263.423 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026856.D

Acq: 18 Sep 2018 12:55

Instrument :

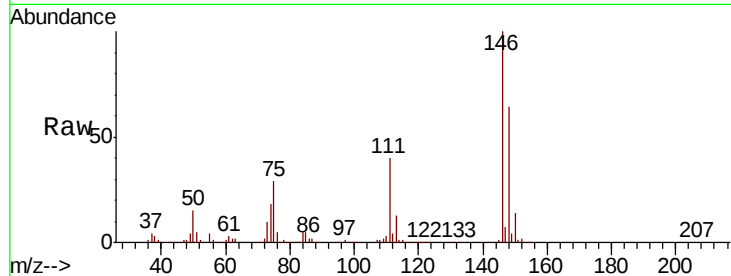
MSVOA_U

ClientSampled :

C08K9

Tot Ion:146 Resp: 1035690

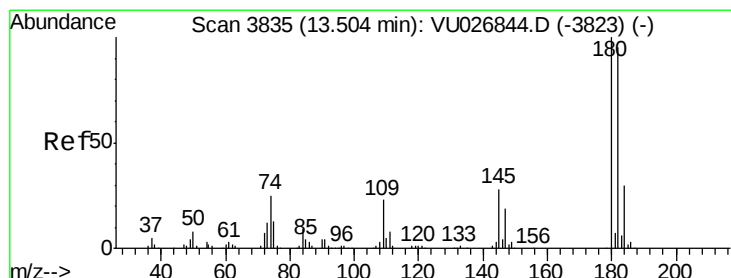
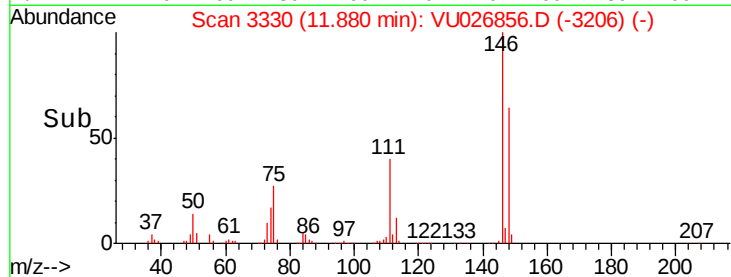
Ion	Ratio	Lower	Upper
146	100		
111	39.8	31.4	47.0
148	64.0	51.4	77.2



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



#68

1,2,4-trichlorobenzene

Concen: 148.979 ug/L

RT: 13.50 min Scan# 3835

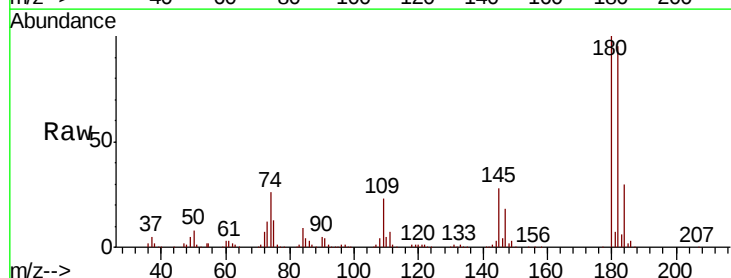
Delta R.T. 0.00 min

Lab File: VU026856.D

Acq: 18 Sep 2018 12:55

Tgt Ion:180 Resp: 352756

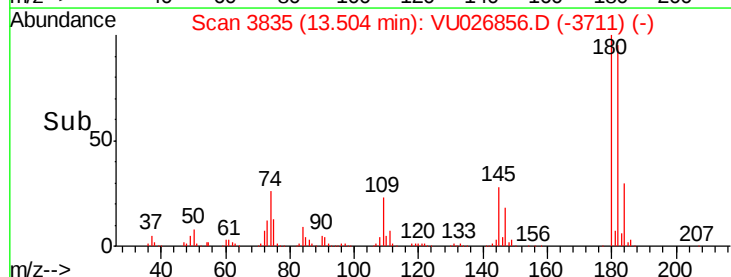
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.8	115.2
145	28.0	22.2	33.2

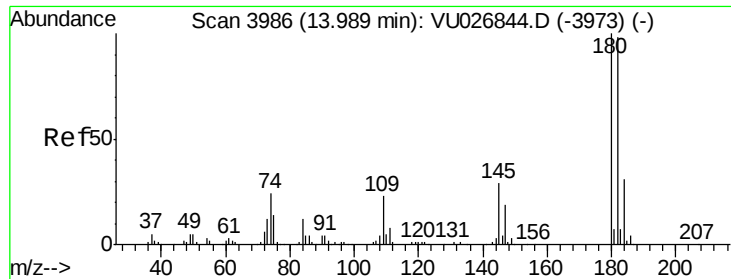


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

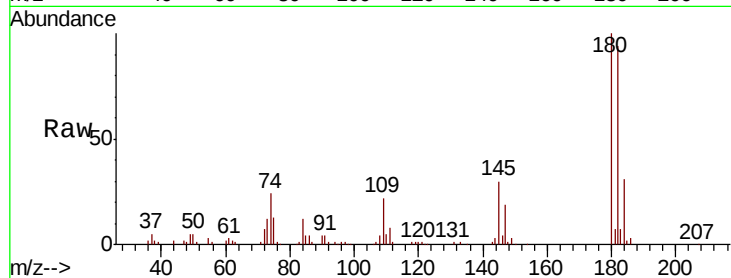




#70
 1,2,3-Trichlorobenzene
 Concen: 32.441 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026856.D
 Acq: 18 Sep 2018 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K9

Tot Ion:180 Resp: 84590
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.6 113.4
 145 29.6 23.8 35.6



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

