

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091818\
 Data File : VU026866.D
 Acq On : 18 Sep 2018 16:47
 Operator : MD/SY
 Sample : J4896-16 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N7

Quant Time: Sep 19 07:23:23 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	236028	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	234506	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	116856	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70704	40.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.00%
7) Chloroethane-d5	1.68	69	65560	43.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.74%
11) 1,1-Dichloroethene-d2	2.27	63	106572	32.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.52%
21) 2-Butanone-d5	4.18	46	127473	110.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.02%
24) Chloroform-d	4.65	84	146189	45.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.28%
26) 1,2-Dichloroethane-d4	5.31	65	98384	48.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.48%
32) Benzene-d6	5.34	84	299982	45.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.30%
36) 1,2-Dichloropropane-d6	6.33	67	99748	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.22%
41) Toluene-d8	7.57	98	257139	43.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.62%
43) trans-1,3-Dichloropropene-	7.85	79	40603	42.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.90%
47) 2-Hexanone-d5	8.31	63	88906	106.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.83%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	138092	46.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.54%
64) 1,2-Dichlorobenzene-d4	11.48	152	108729	44.73	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.46%

Target Compounds

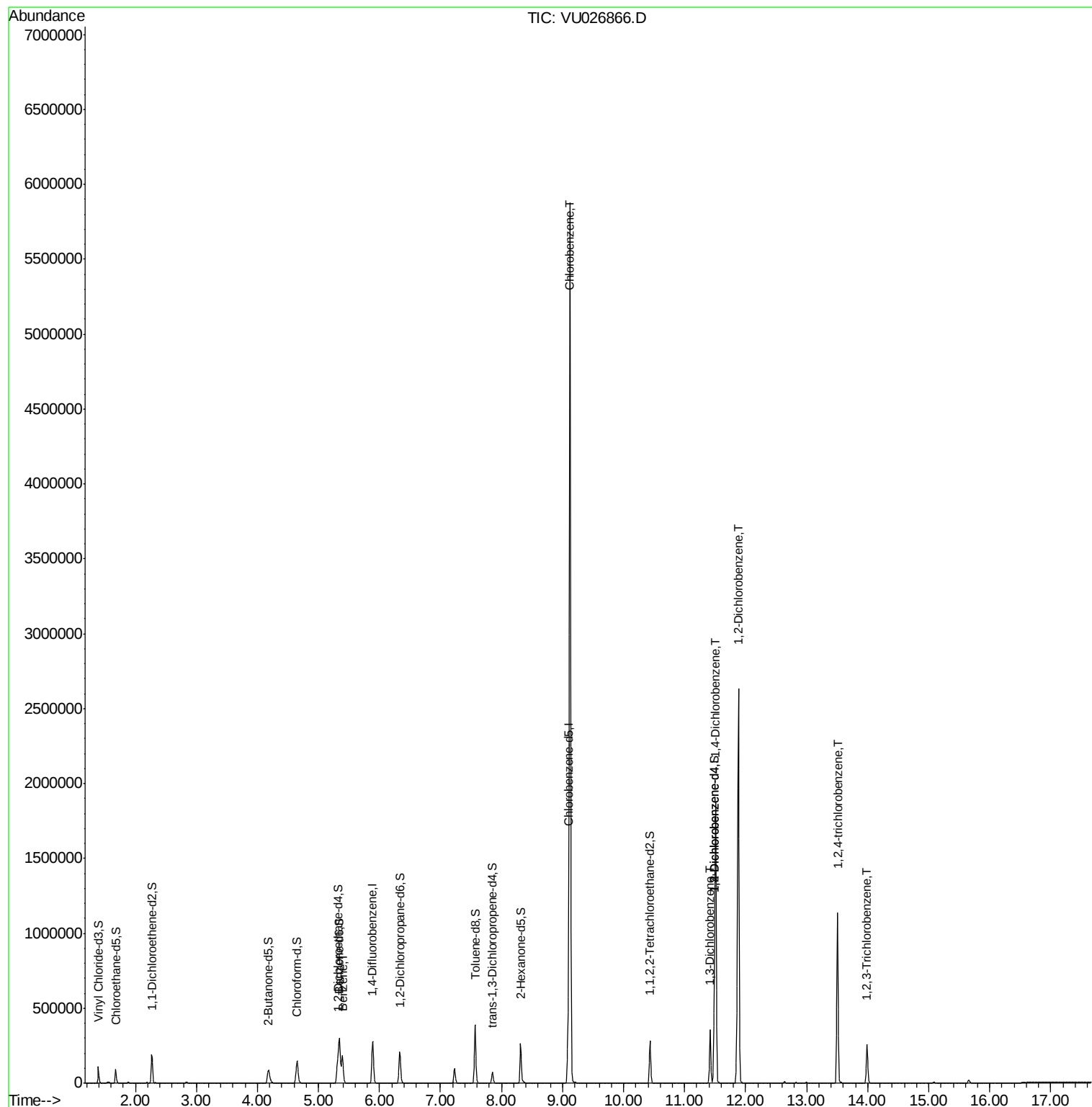
					Ovalue
33) Benzene	5.39	78	180751	24.861	ug/L 100
51) Chlorobenzene	9.12	112	3067987	614.531	ug/L 98
62) 1,3-Dichlorobenzene	11.42	146	147669	41.453	ug/L 100
63) 1,4-Dichlorobenzene	11.51	146	748856	190.909	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	1045673	265.101	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	359728	151.432	ug/L 100
70) 1,2,3-Trichlorobenzene	13.99	180	84188	32.183	ug/L 97

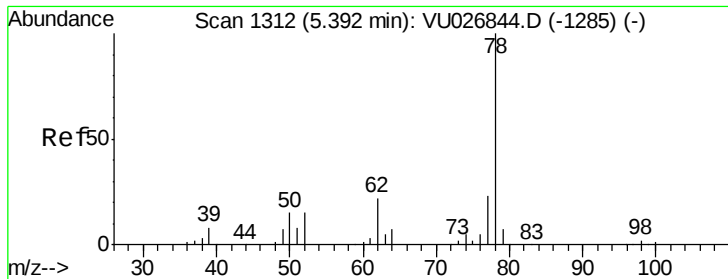
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 19 05:05:35 2018
Response via : Initial Calibration





#33

Benzene

Concen: 24.861 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU026866.D

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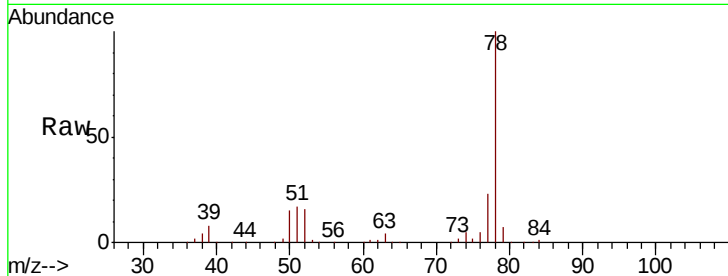
Instrument :

MSVOA_U

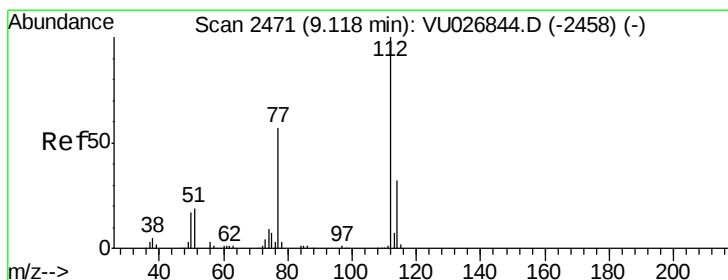
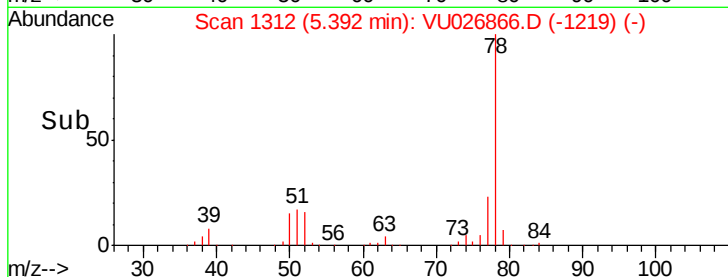
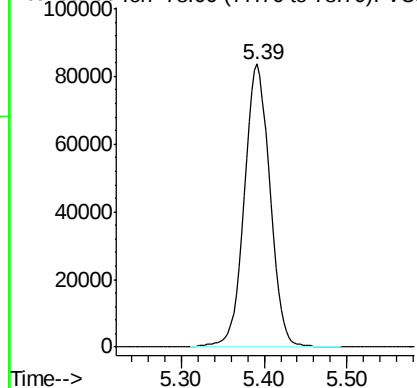
ClientSampleId :

C08N7

Tgt Ion: 78 Resp: 180751



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 614.531 ug/L

RT: 9.12 min Scan# 2472

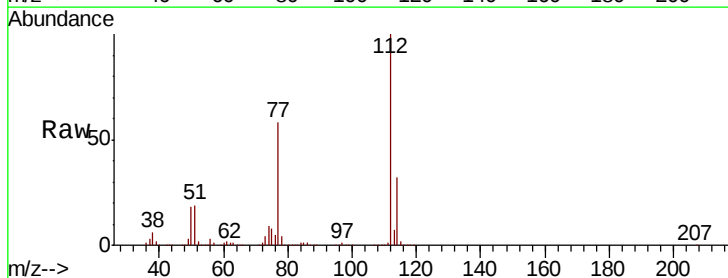
Delta R.T. 0.00 min

Lab File: VU026866.D

Acq: 18 Sep 2018 16:47

Tgt Ion: 112 Resp: 3067987

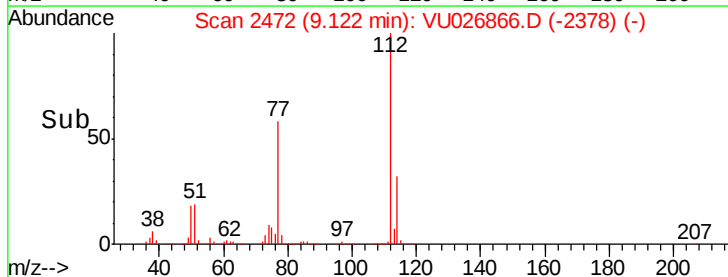
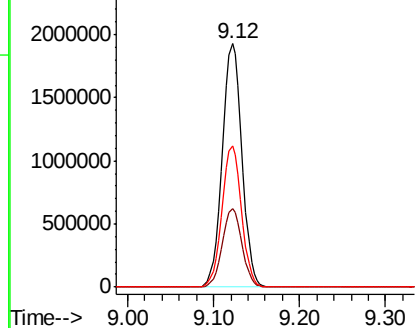
Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.3	41.5
77	58.1	45.1	67.7

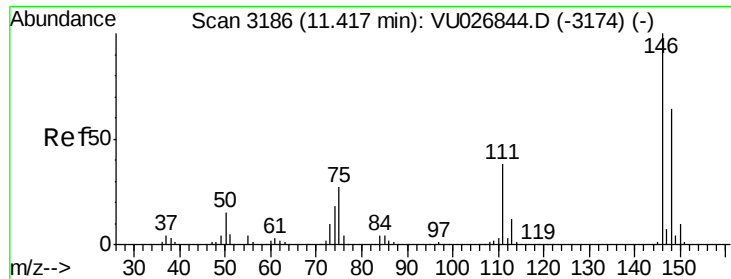


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 41.453 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026866.D

Acq: 18 Sep 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

C08N7

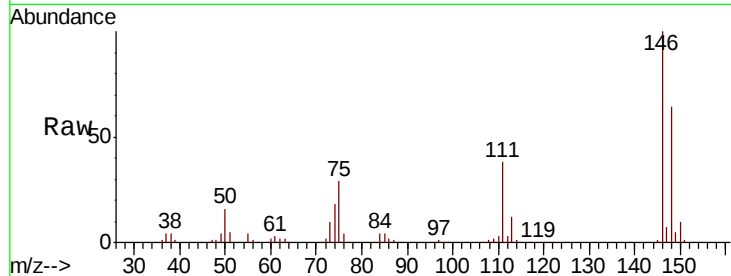
Tot Ion:146 Resp: 147669

Ion Ratio Lower Upper

146 100

111 38.5 26.7 49.7

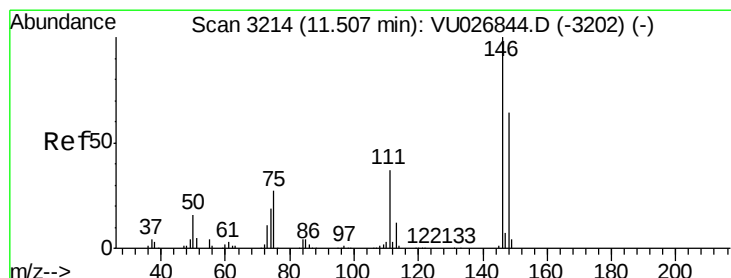
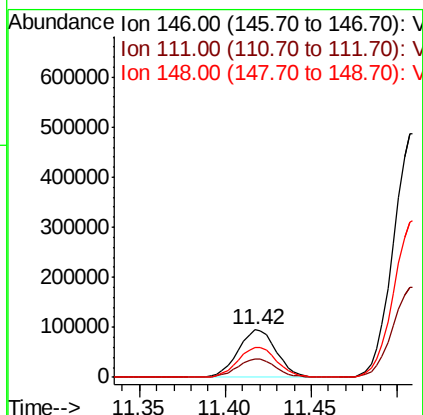
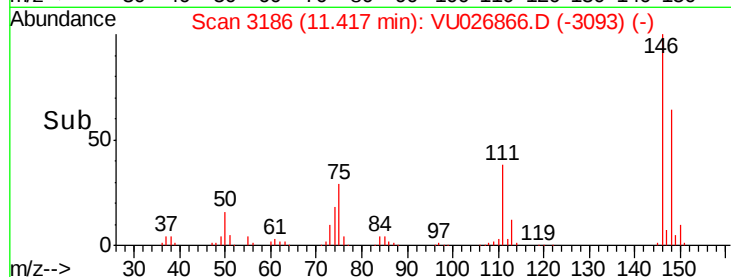
148 64.1 44.9 83.5



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: 190.909 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU026866.D

Acq: 18 Sep 2018 16:47

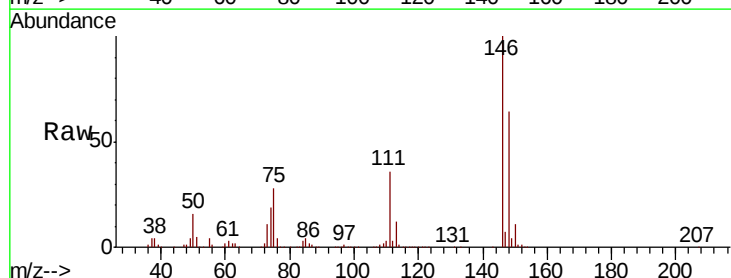
Tgt Ion:146 Resp: 748856

Ion Ratio Lower Upper

146 100

111 36.5 26.0 48.2

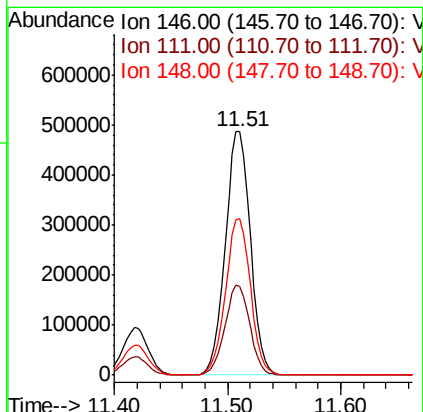
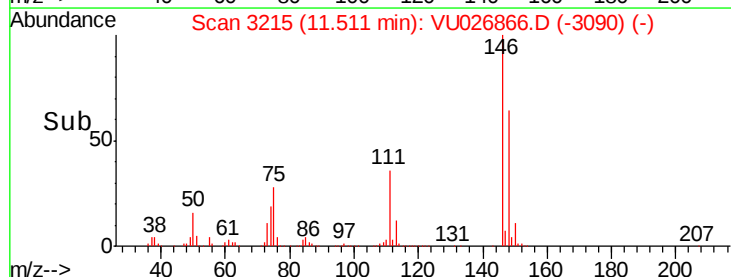
148 64.2 45.8 85.2

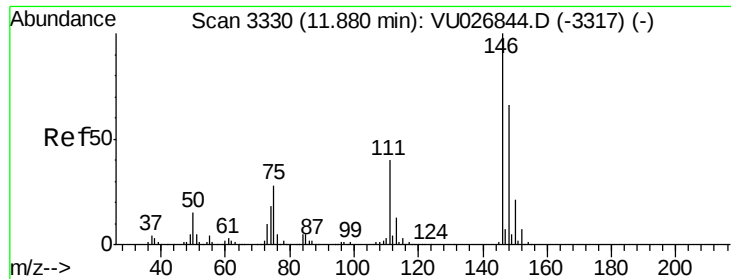


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 265.101 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026866.D

Acq: 18 Sep 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

C08N7

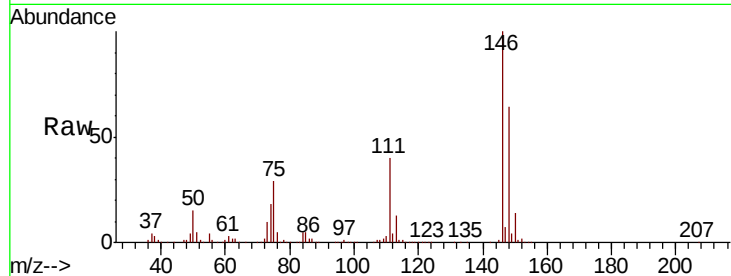
Tot Ion:146 Resp: 1045673

Ion Ratio Lower Upper

146 100

111 40.0 31.4 47.0

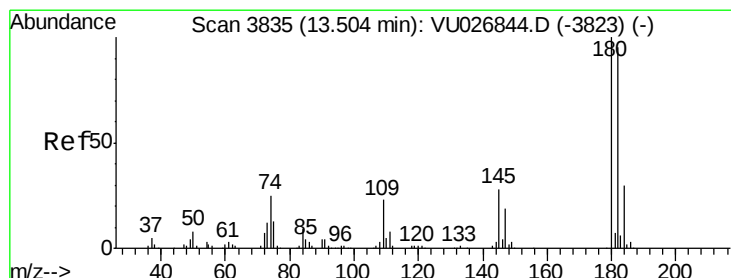
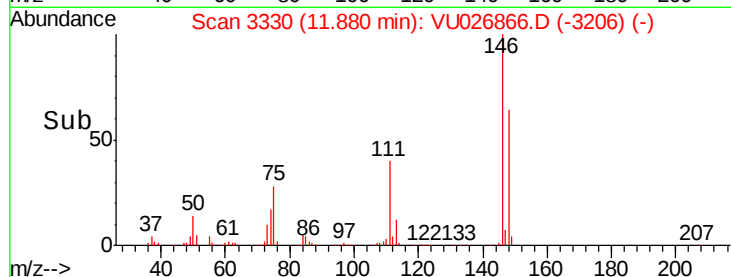
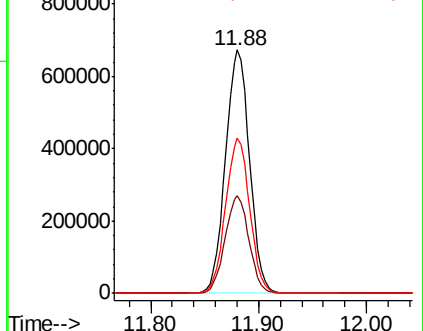
148 63.7 51.4 77.2



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: 151.432 ug/L

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU026866.D

Acq: 18 Sep 2018 16:47

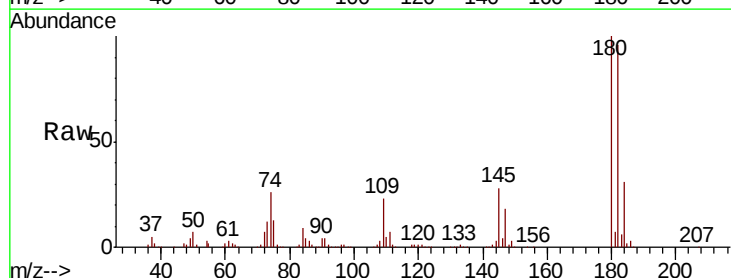
Tgt Ion:180 Resp: 359728

Ion Ratio Lower Upper

180 100

182 95.7 76.8 115.2

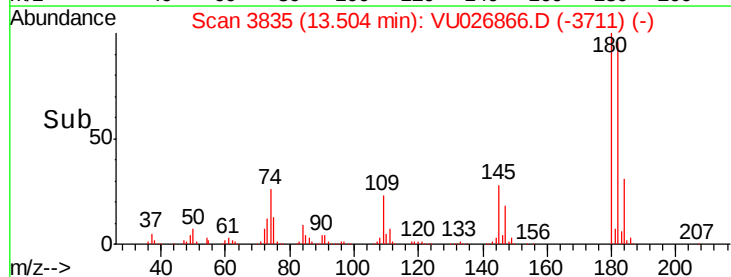
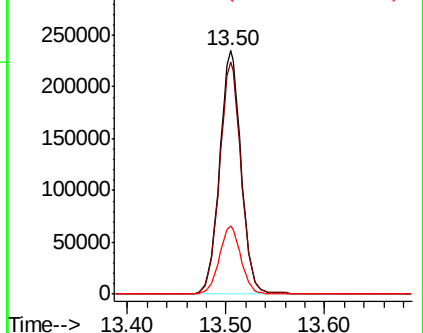
145 27.9 22.2 33.2

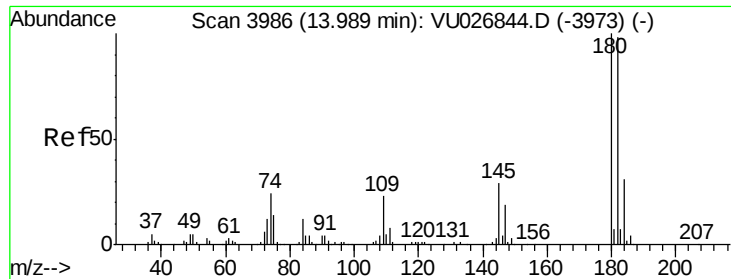


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 32.183 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026866.D
 Acq: 18 Sep 2018 16:47

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N7

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.6	113.4
145	29.3	23.8	35.6

