

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091818\
 Data File : VU026864.D
 Acq On : 18 Sep 2018 16:01
 Operator : MD/SY
 Sample : J4896-14 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N1

Quant Time: Sep 19 07:18:38 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	230373	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	226742	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	99697	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	72018	42.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.52%
7) Chloroethane-d5	1.68	69	66731	45.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.50%
11) 1,1-Dichloroethene-d2	2.27	63	108629	33.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.38%
21) 2-Butanone-d5	4.18	46	130366	115.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.28%
24) Chloroform-d	4.65	84	149670	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.70%
26) 1,2-Dichloroethane-d4	5.31	65	100304	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.78%
32) Benzene-d6	5.34	84	305380	48.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.12%
36) 1,2-Dichloropropane-d6	6.33	67	101625	49.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.28%
41) Toluene-d8	7.57	98	258567	45.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.08%
43) trans-1,3-Dichloropropene-	7.85	79	41557	45.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.92%
47) 2-Hexanone-d5	8.31	63	89698	111.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.47%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	140606	49.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	111803	53.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.82%

Target Compounds

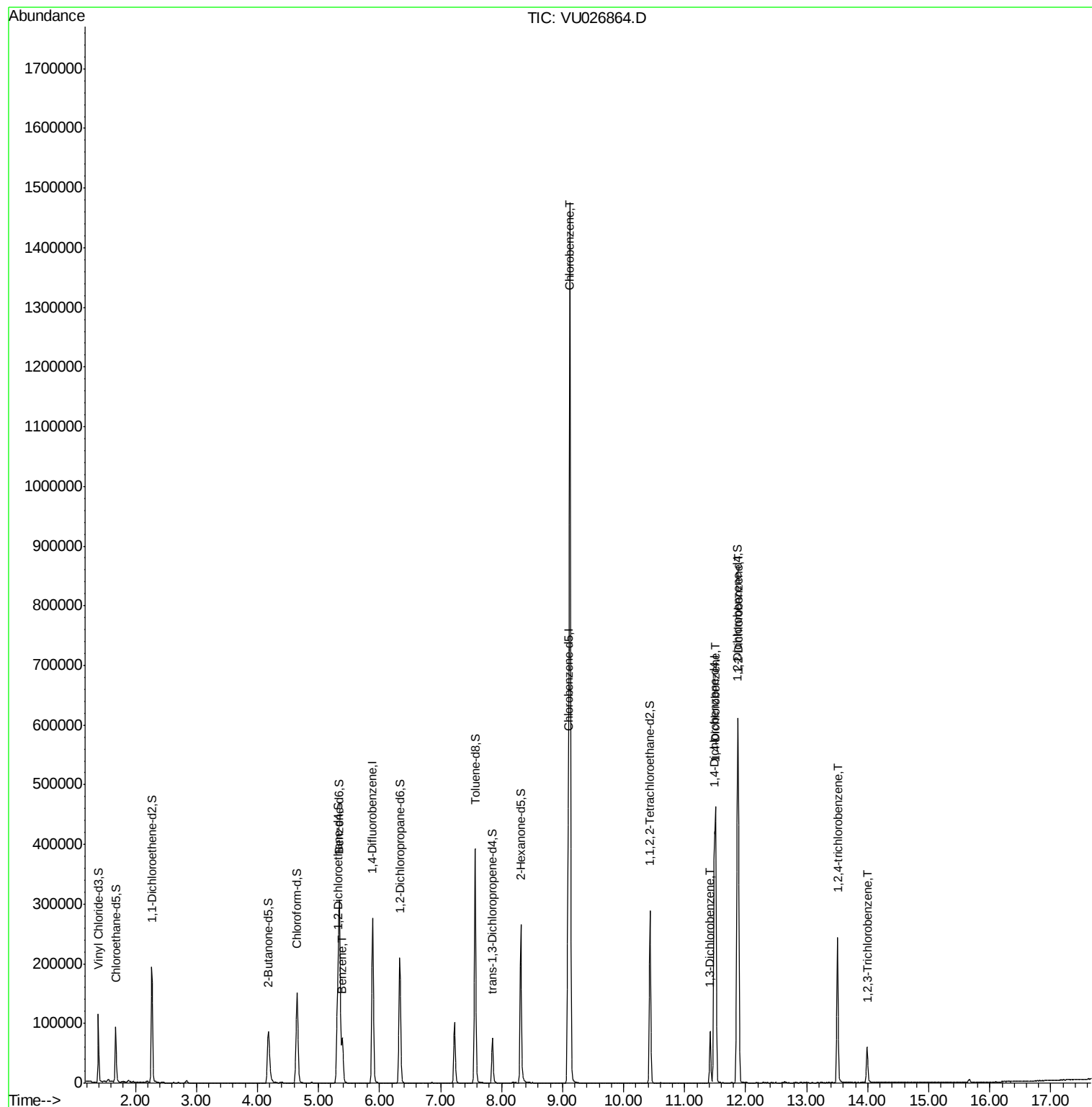
					Ovalue
33) Benzene	5.39	78	74377	10.580	ug/L 100
51) Chlorobenzene	9.12	112	788084	163.262	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	36337	11.956	ug/L 99
63) 1,4-Dichlorobenzene	11.51	146	174126	52.031	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	207262	61.589	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	78785	38.874	ug/L 98
70) 1,2,3-Trichlorobenzene	13.99	180	21908	9.816	ug/L 98

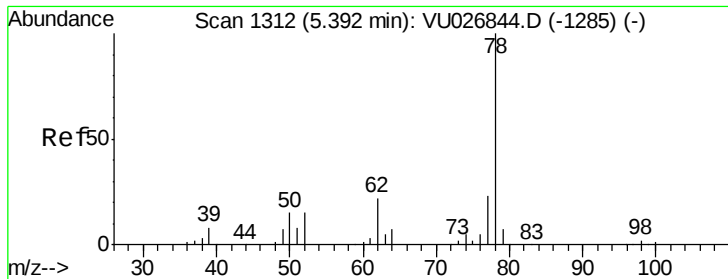
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#33

Benzene

Concen: 10.580 ug/L

RT: 5.39 min Scan# 1312

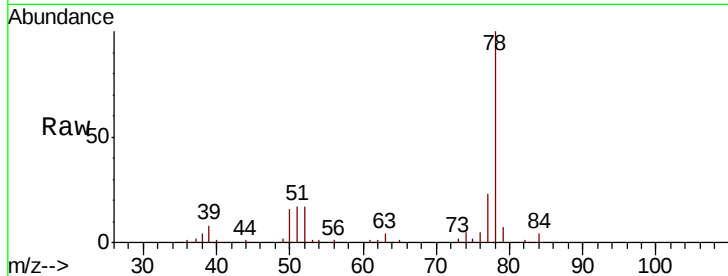
Delta R.T. 0.00 min

Lab File: VU026864.D

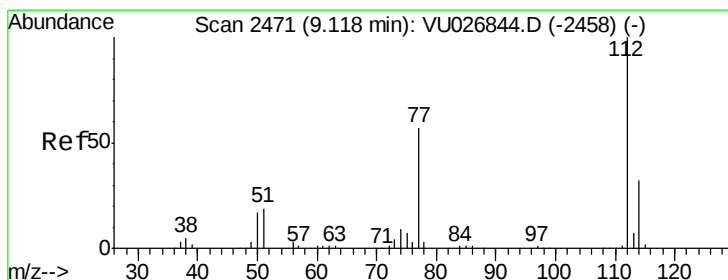
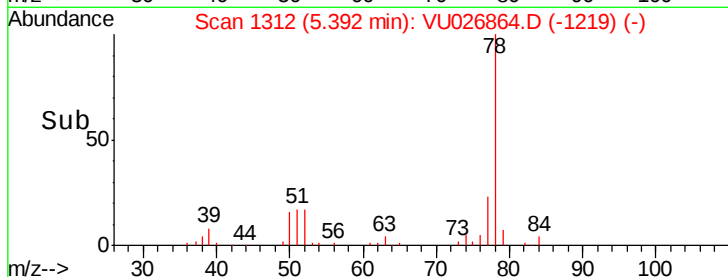
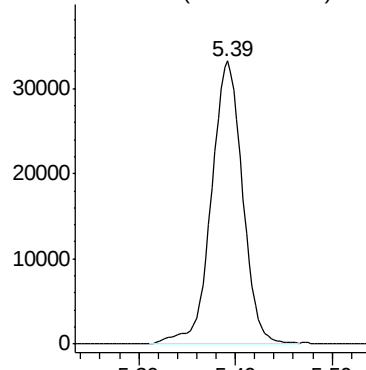
Acq: 18 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
C08N1

Tgt Ion: 78 Resp: 74377



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 163.262 ug/L

RT: 9.12 min Scan# 2472

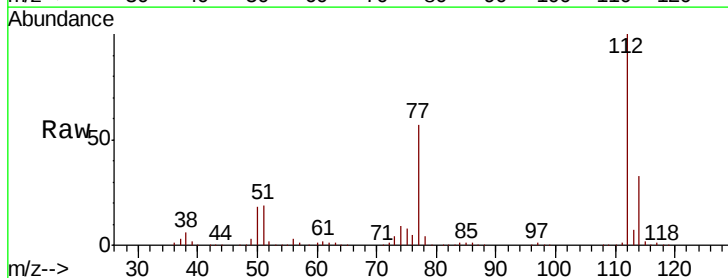
Delta R.T. 0.00 min

Lab File: VU026864.D

Acq: 18 Sep 2018 16:01

Tgt Ion: 112 Resp: 788084

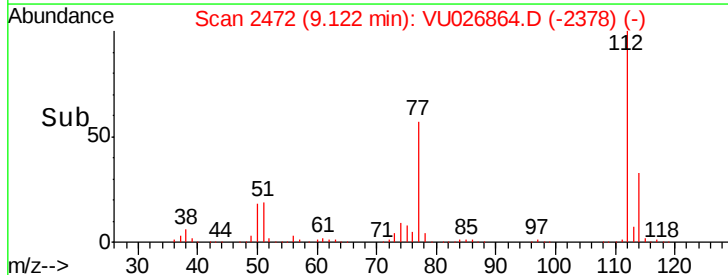
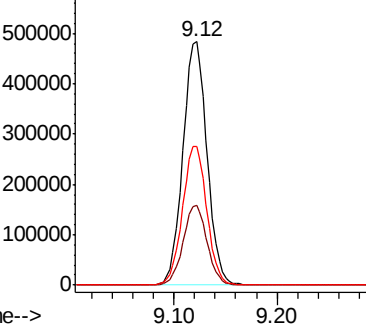
Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.3	41.5
77	57.2	45.1	67.7

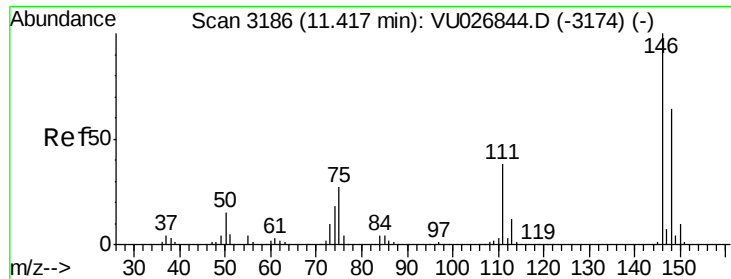


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

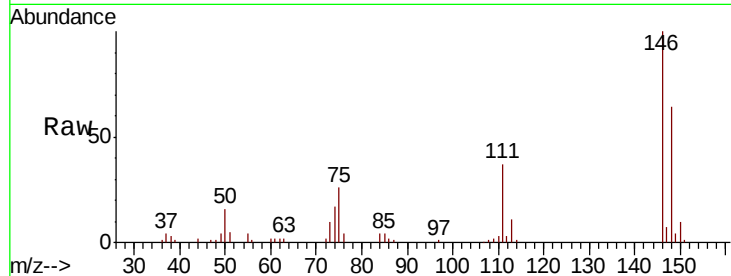




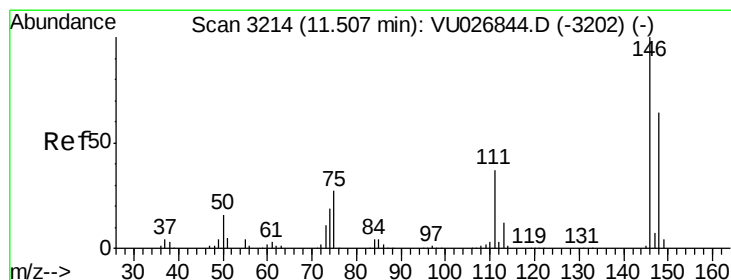
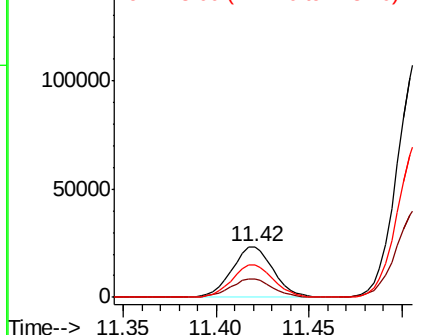
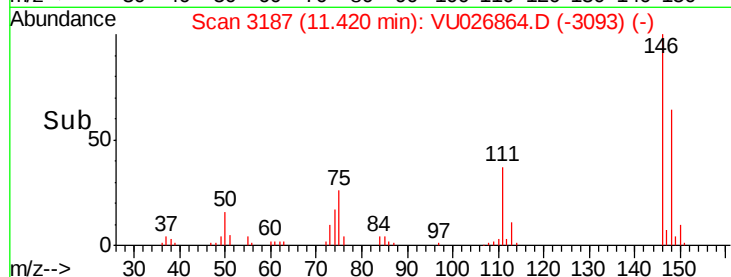
#62
 1,3-Dichlorobenzene
 Concen: 11.956 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026864.D
 Acq: 18 Sep 2018 16:01

Instrument :
 MSVOA_U
 ClientSampled :
 C08N1

Tot Ion:146 Resp: 36337
 Ion Ratio Lower Upper
 146 100
 111 36.6 26.7 49.7
 148 63.9 44.9 83.5

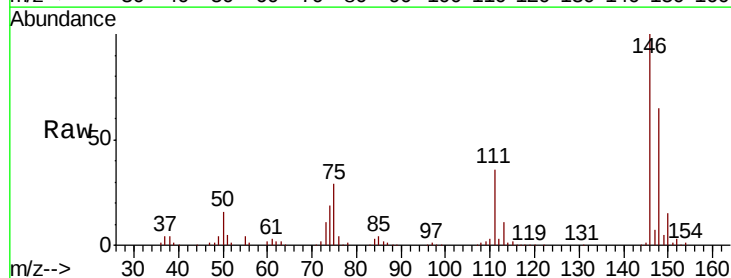


Abundance Ion 146.00 (145.70 to 146.70): V
 150000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

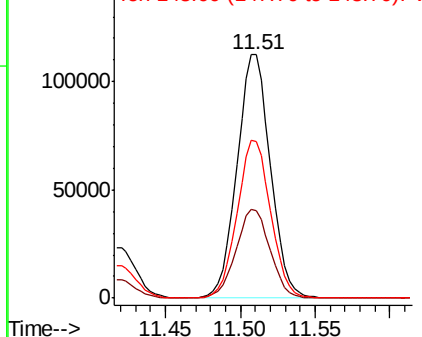
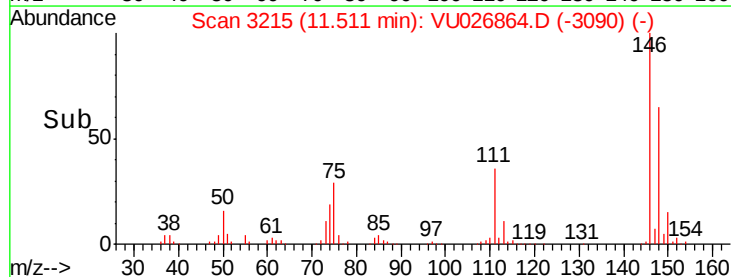


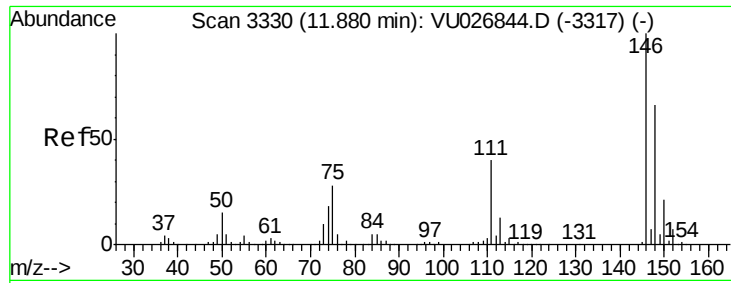
#63
 1,4-Dichlorobenzene
 Concen: 52.031 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026864.D
 Acq: 18 Sep 2018 16:01

Tgt Ion:146 Resp: 174126
 Ion Ratio Lower Upper
 146 100
 111 36.0 26.0 48.2
 148 64.5 45.8 85.2



Abundance Ion 146.00 (145.70 to 146.70): V
 150000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 61.589 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026864.D

Acq: 18 Sep 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

C08N1

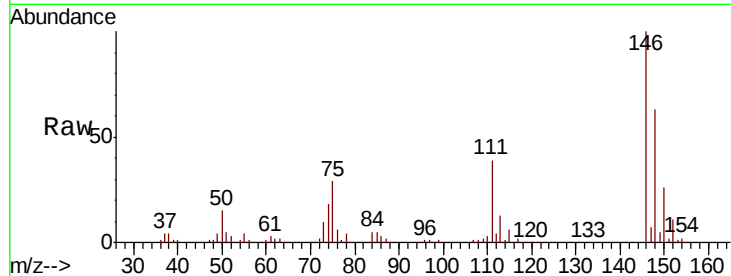
Tot Ion:146 Resp: 207262

Ion Ratio Lower Upper

146 100

111 38.8 31.4 47.0

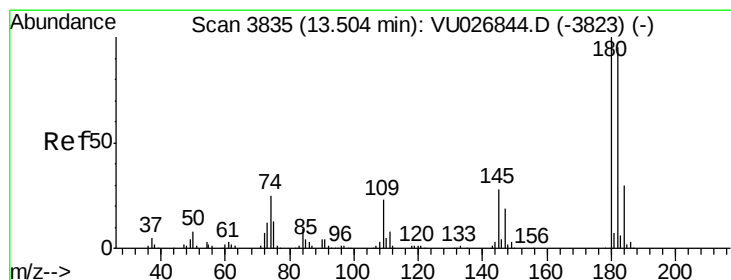
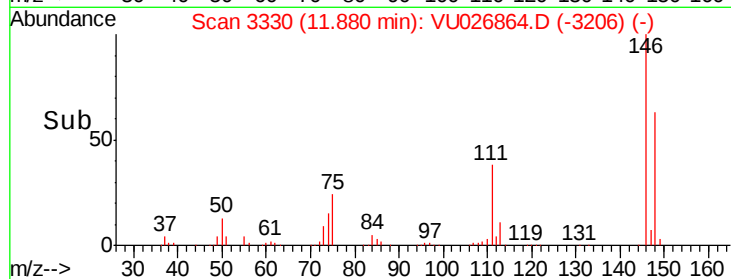
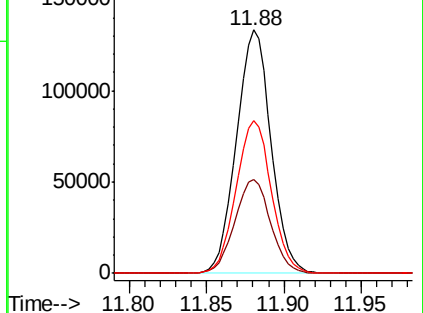
148 62.8 51.4 77.2



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: 38.874 ug/L

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU026864.D

Acq: 18 Sep 2018 16:01

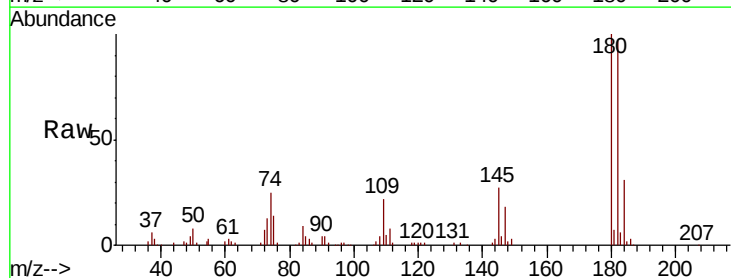
Tgt Ion:180 Resp: 78785

Ion Ratio Lower Upper

180 100

182 98.7 76.8 115.2

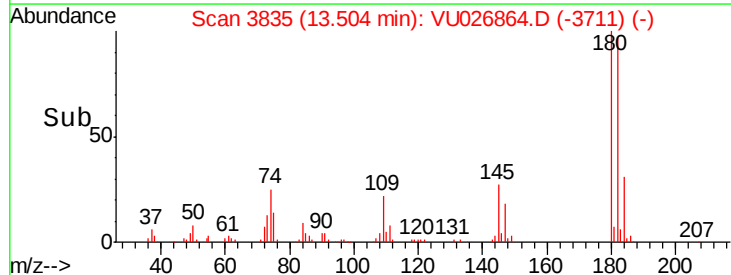
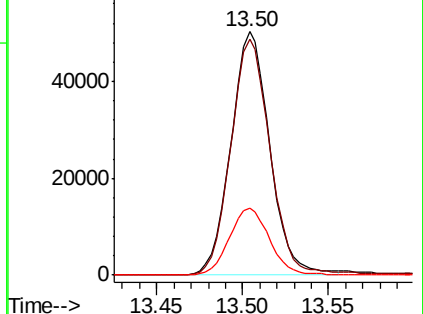
145 28.4 22.2 33.2

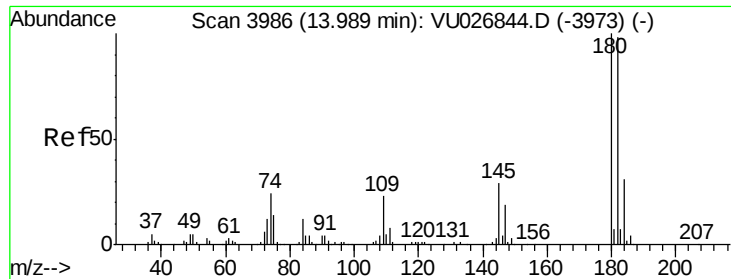


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 9.816 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026864.D
 Acq: 18 Sep 2018 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N1

Tot Ion:180 Resp: 21908
 Ion Ratio Lower Upper
 180 100
 182 93.5 75.6 113.4
 145 28.0 23.8 35.6

