

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091818\
 Data File : VU026874.D
 Acq On : 18 Sep 2018 19:53
 Operator : MD/SY
 Sample : J4896-11DL 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08M4DL

Quant Time: Sep 19 07:47:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 19 07:38:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	231882	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	220125	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	96722	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59074	34.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.88%
7) Chloroethane-d5	1.67	69	57767	39.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.70%
11) 1,1-Dichloroethene-d2	2.27	63	89622	27.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.22%#
21) 2-Butanone-d5	4.18	46	129151	113.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.46%
24) Chloroform-d	4.65	84	137011	43.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.12%
26) 1,2-Dichloroethane-d4	5.31	65	91587	45.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.42%
32) Benzene-d6	5.34	84	262578	42.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.12%
36) 1,2-Dichloropropane-d6	6.33	67	92438	46.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.02%
41) Toluene-d8	7.57	98	214844	38.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.10%#
43) trans-1,3-Dichloropropene-	7.85	79	37097	41.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.60%
47) 2-Hexanone-d5	8.31	63	87582	112.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.11%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	136213	49.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.30%
64) 1,2-Dichlorobenzene-d4	11.86	152	97795	48.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

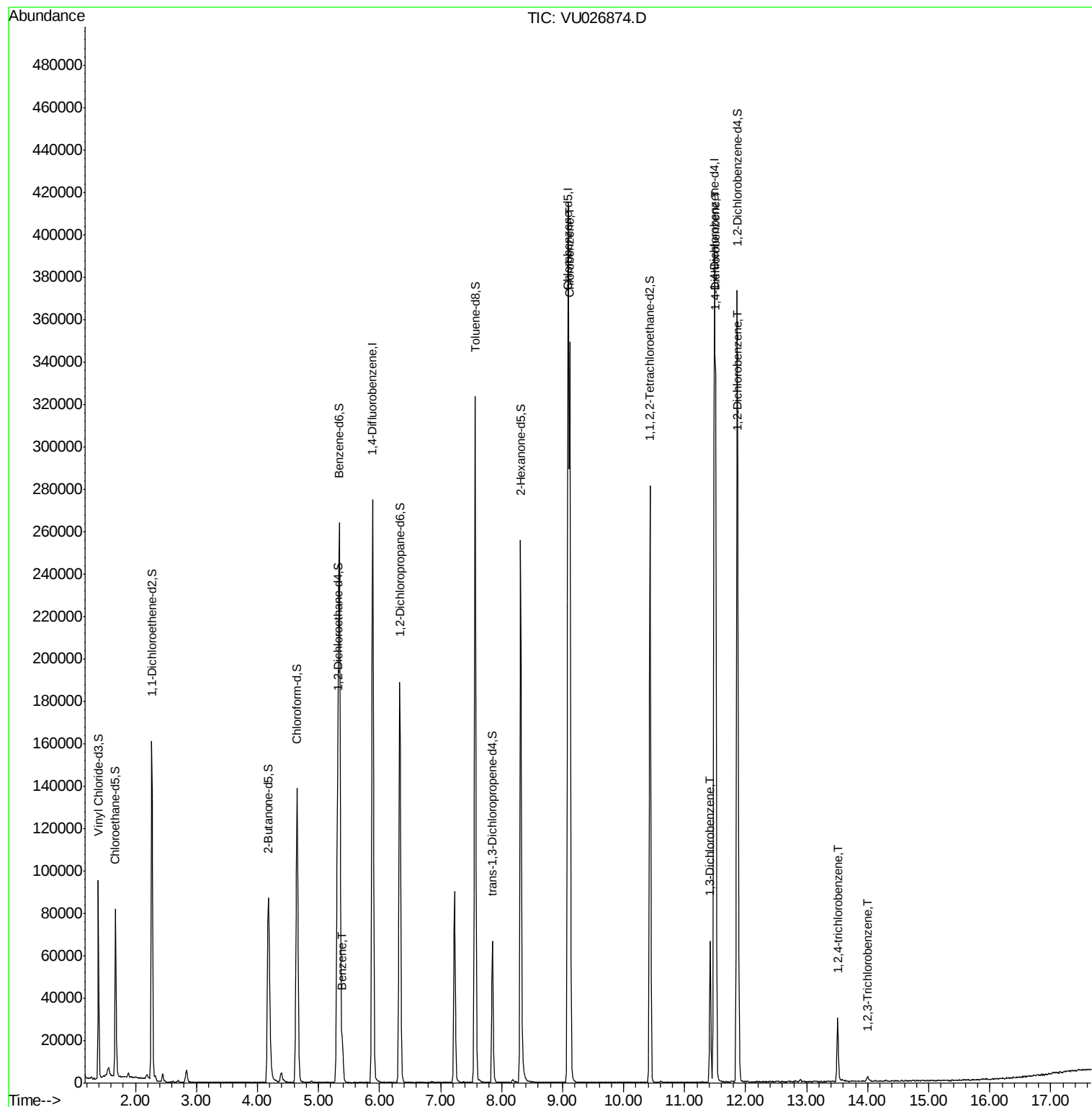
					Ovalue
33) Benzene	5.39	78	17338	2.540	ug/L 100
51) Chlorobenzene	9.12	112	180796	38.580	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	28852	9.785	ug/L 97
63) 1,4-Dichlorobenzene	11.51	146	124682	38.402	ug/L 98
65) 1,2-Dichlorobenzene	11.88	146	30767	9.424	ug/L 99
68) 1,2,4-trichlorobenzene	13.51	180	11056	5.623	ug/L 99
70) 1,2,3-Trichlorobenzene	14.00	180	1423	0.657	ug/L # 89

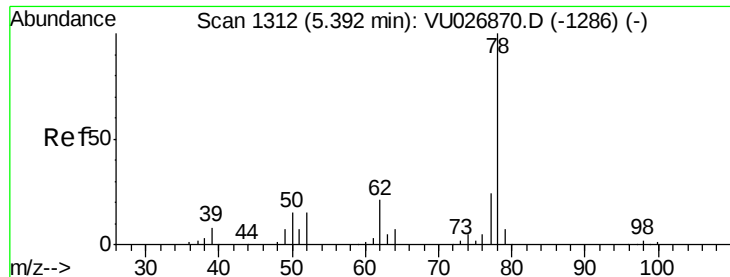
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#33

Benzene

Concen: 2.540 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

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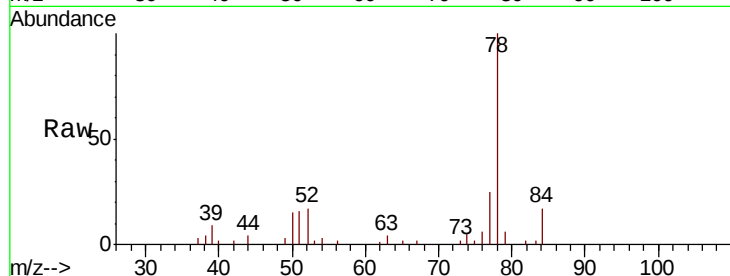
Instrument :

MSVOA_U

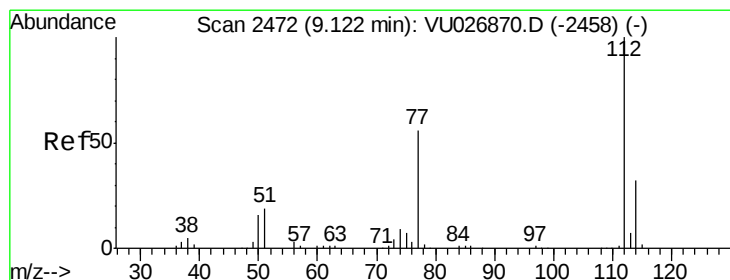
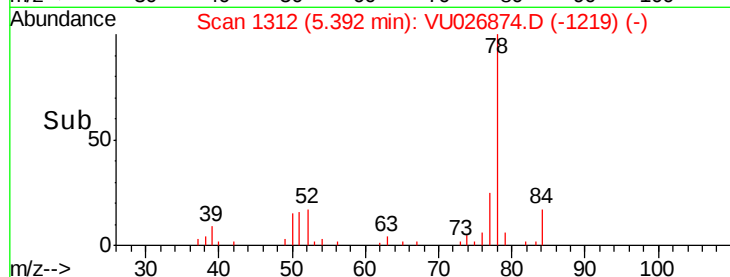
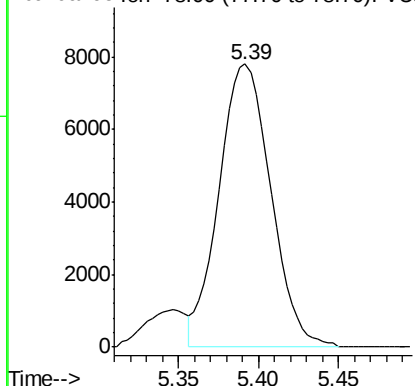
ClientSampleId :

C08M4DL

Tgt Ion: 78 Resp: 17338



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 38.580 ug/L

RT: 9.12 min Scan# 2471

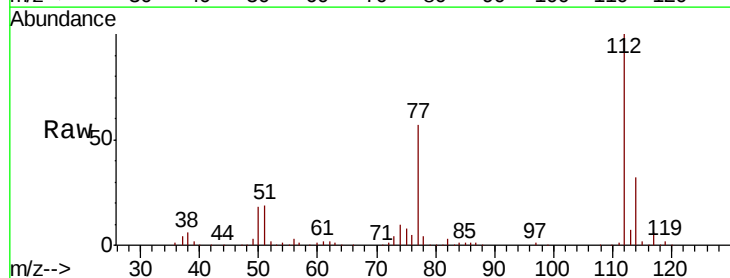
Delta R.T. -0.00 min

Lab File: VU026874.D

Acq: 18 Sep 2018 19:53

Tgt Ion: 112 Resp: 180796

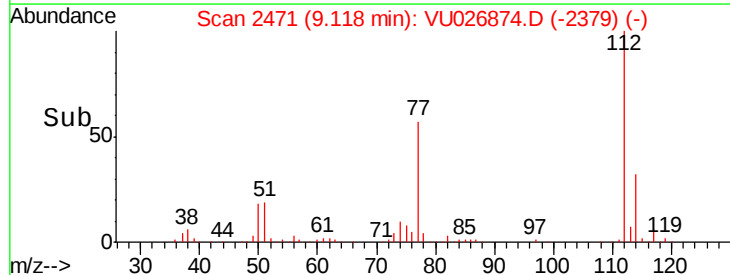
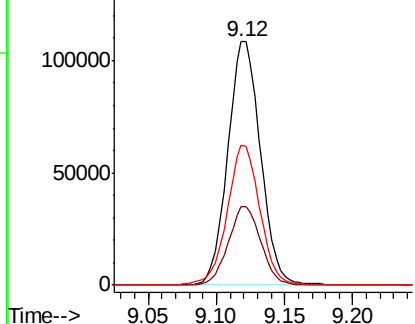
Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.5
77	57.5	45.1	67.7

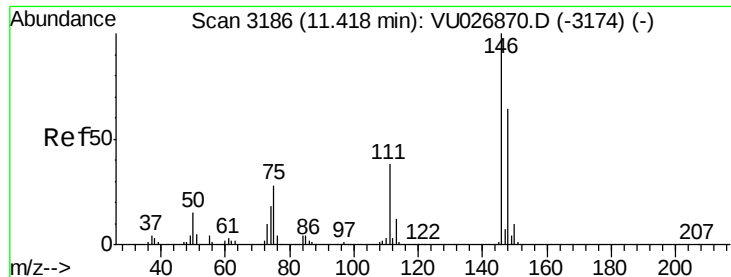


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 9.785 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026874.D

Acq: 18 Sep 2018 19:53

Instrument :

MSVOA_U

ClientSampleId :

C08M4DL

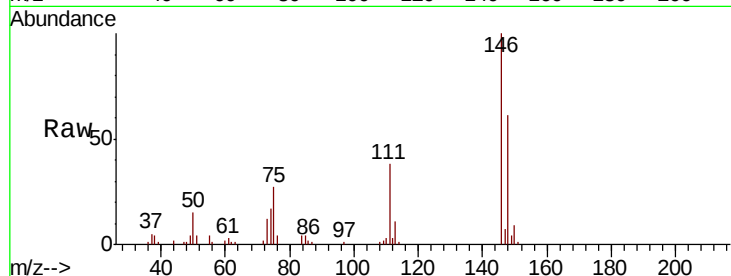
Tot Ion:146 Resp: 28852

Ion Ratio Lower Upper

146 100

111 37.5 26.7 49.7

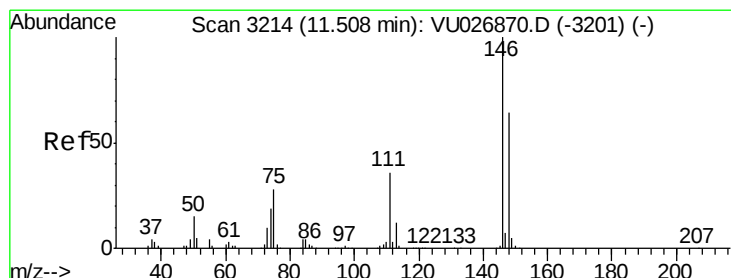
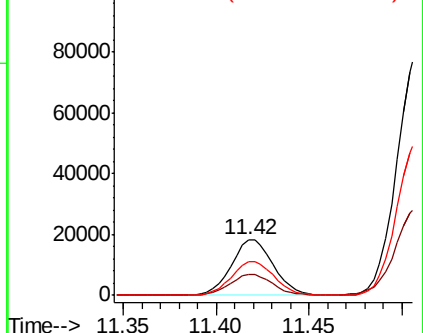
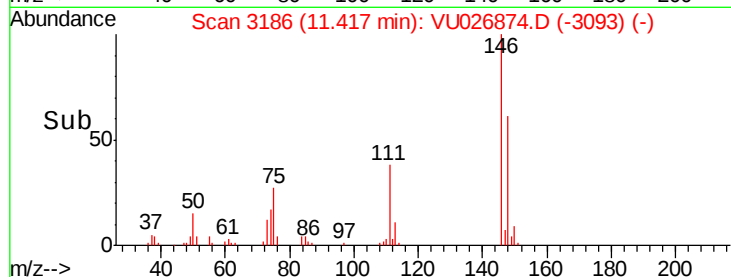
148 61.0 44.9 83.5



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: 38.402 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026874.D

Acq: 18 Sep 2018 19:53

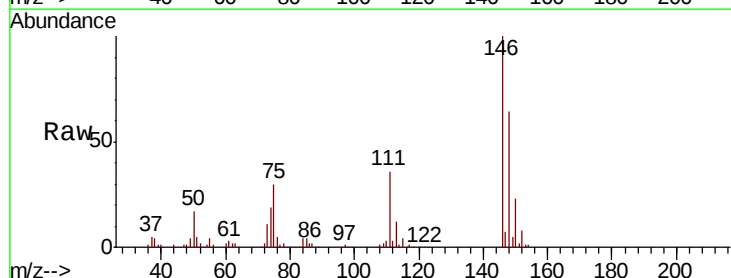
Tgt Ion:146 Resp: 124682

Ion Ratio Lower Upper

146 100

111 36.0 26.0 48.2

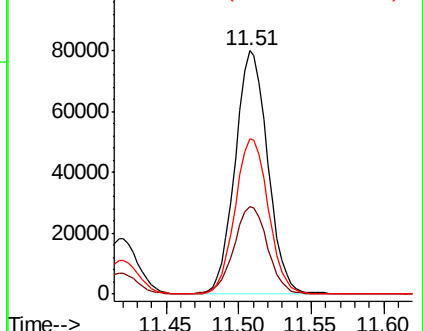
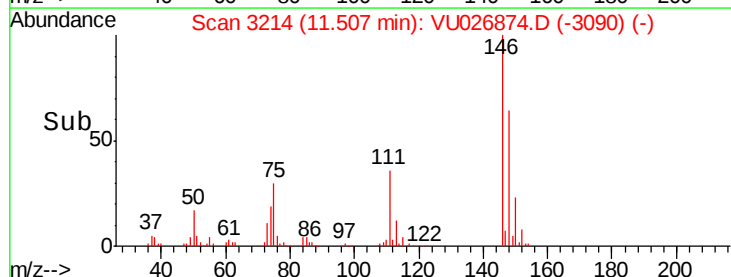
148 63.6 45.8 85.2

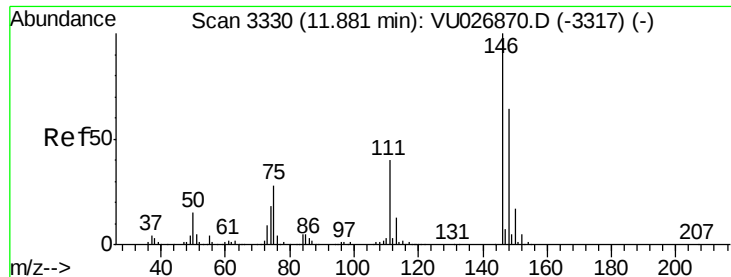


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.424 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026874.D

Acq: 18 Sep 2018 19:53

Instrument :

MSVOA_U

ClientSampleId :

C08M4DL

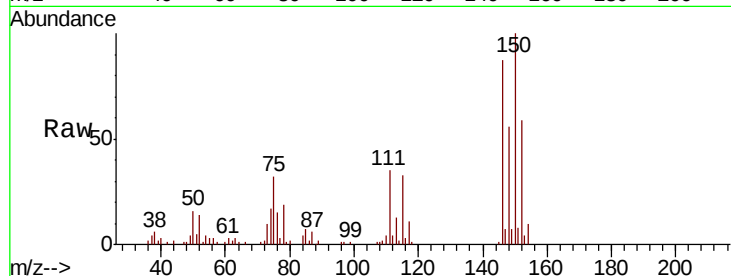
Tot Ion:146 Resp: 30767

Ion Ratio Lower Upper

146 100

111 40.3 31.4 47.0

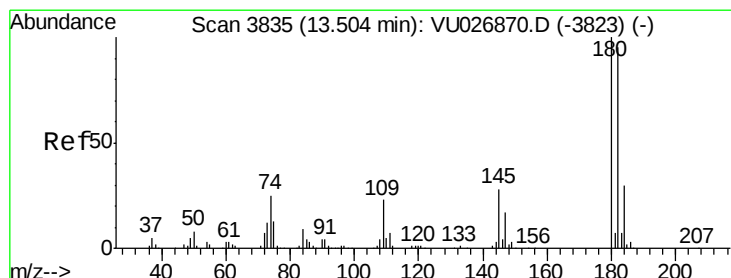
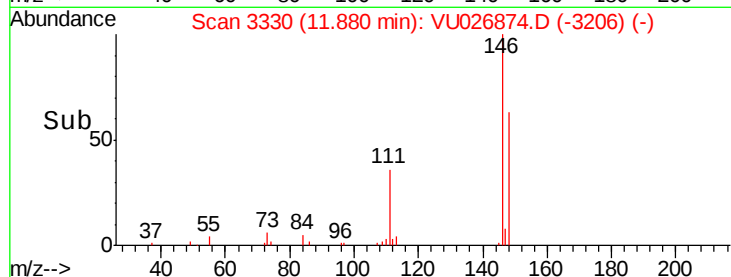
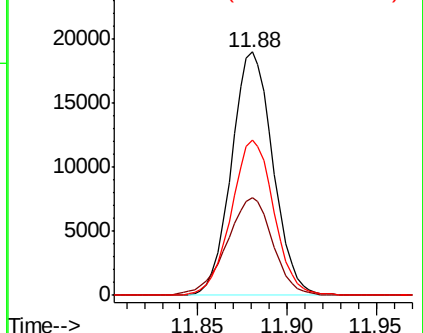
148 63.8 51.4 77.2



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: 5.623 ug/L

RT: 13.51 min Scan# 3836

Delta R.T. 0.00 min

Lab File: VU026874.D

Acq: 18 Sep 2018 19:53

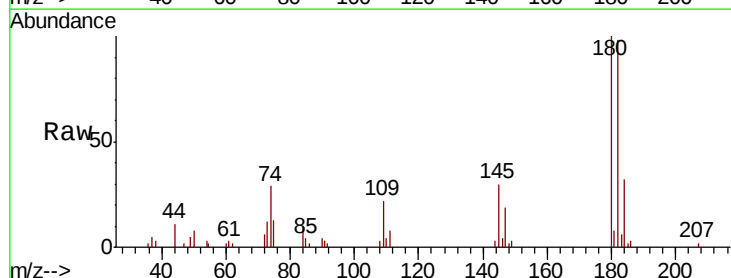
Tgt Ion:180 Resp: 11056

Ion Ratio Lower Upper

180 100

182 96.9 76.8 115.2

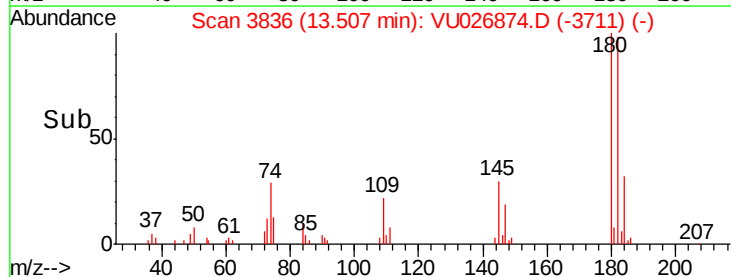
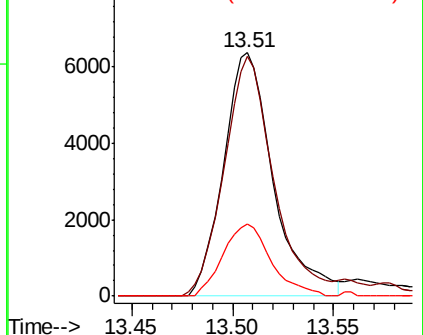
145 28.5 22.2 33.2

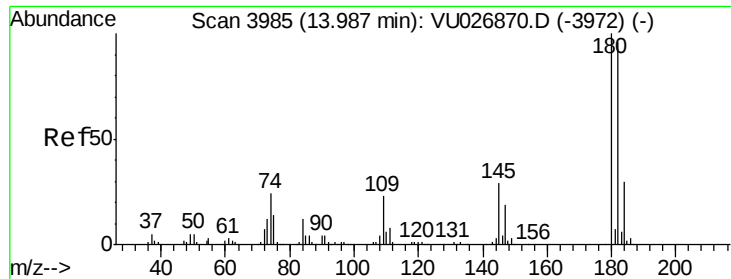


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

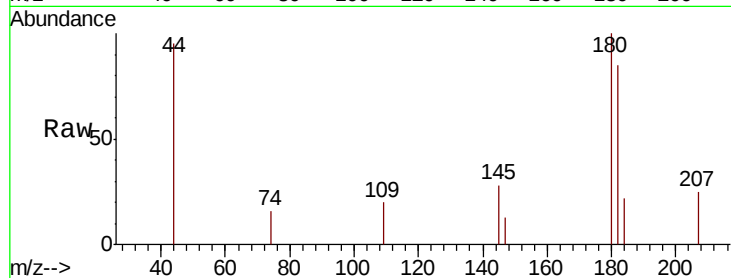




#70
 1,2,3-Trichlorobenzene
 Concen: 0.657 ug/L
 RT: 14.00 min Scan# 3988
 Delta R.T. 0.01 min
 Lab File: VU026874.D
 Acq: 18 Sep 2018 19:53

Instrument :
 MSVOA_U
 ClientSampleId :
 C08M4DL

Tot Ion:180 Resp: 1423
 Ion Ratio Lower Upper
 180 100
 182 102.2 75.6 113.4
 145 18.0 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

