

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122019\
 Data File : VU036315.D
 Acq On : 20 Dec 2019 13:57
 Operator : JC/MD
 Sample : K6282-13DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDW9DL

Quant Time: Dec 21 01:00:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 20 22:20:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	238696	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	264347	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	102058	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	100158	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.93	69	91643	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.60	63	102612	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	4.68	46	177600	45.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.20%
24) Chloroform-d	5.11	84	155891	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.75	65	84474	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.77	84	290102	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.73	67	96100	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.93	98	237371	3.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.00%
43) trans-1,3-Dichloropropene-	8.21	79	37552	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.67	63	140618	42.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.38%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	85287	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	91601	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

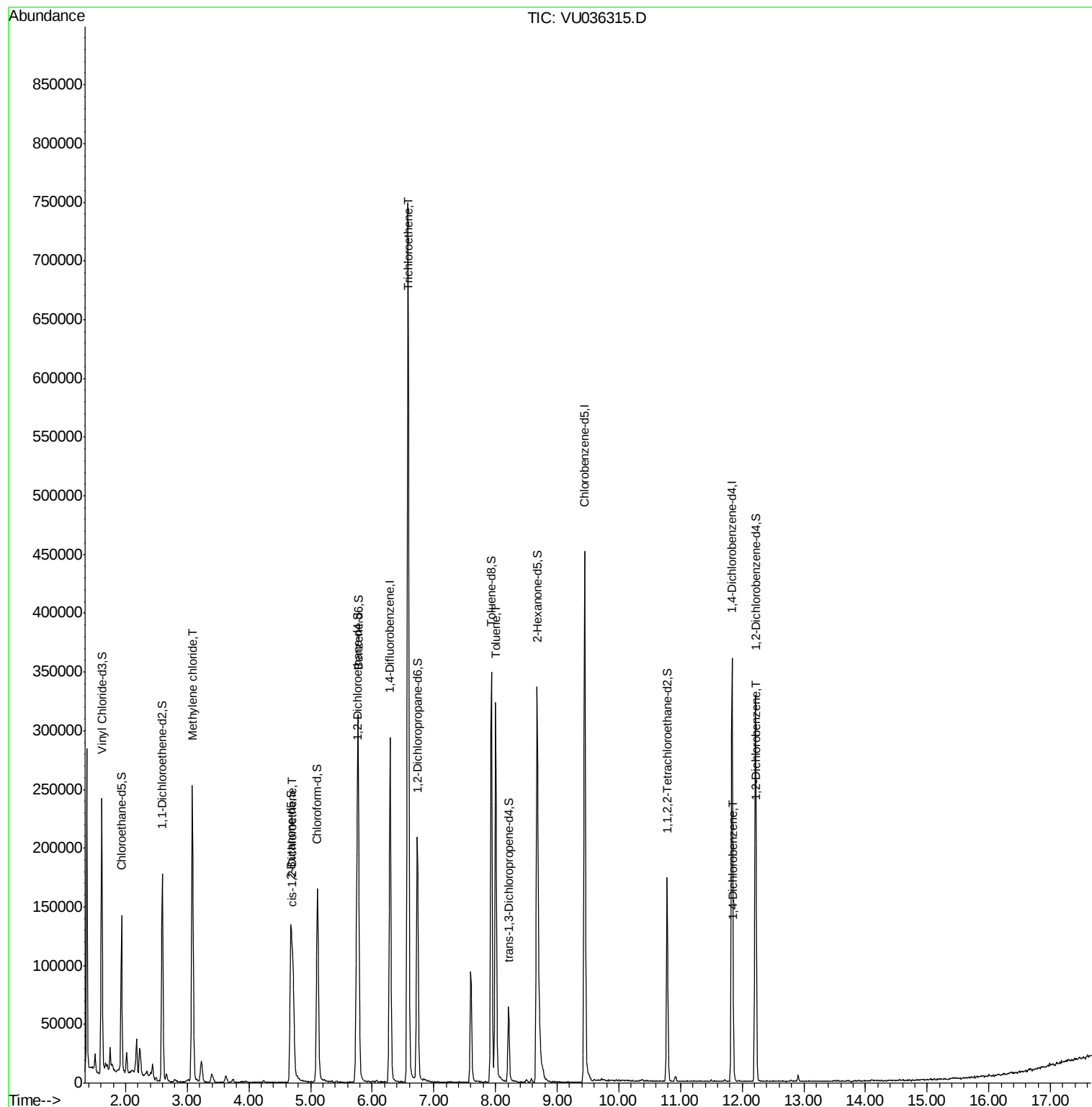
					Ovalue
16) Methylene chloride	3.08	84	124478	4.782	ug/L 99
22) cis-1,2-Dichloroethene	4.72	96	40793	2.051	ug/L 95
34) Trichloroethene	6.58	95	251775	12.021	ug/L 97
42) Toluene	8.00	91	240688	2.764	ug/L 97
63) 1,4-Dichlorobenzene	11.86	146	5571	0.163	ug/L 89
65) 1,2-Dichlorobenzene	12.24	146	3919	0.119	ug/L 98

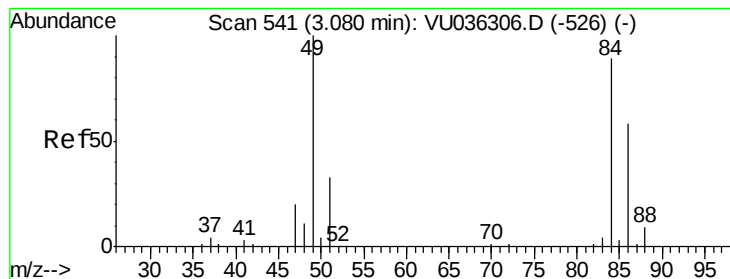
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 20 22:20:21 2019
Response via : Initial Calibration





#16

Methvlene chloride

Concen: 4.782 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

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BFDW9DL

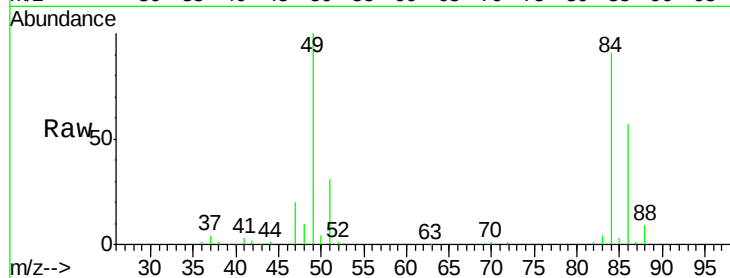
Tot Ion: 84 Resp: 124478

Ion Ratio Lower Upper

84 100

86 63.0 43.0 79.8

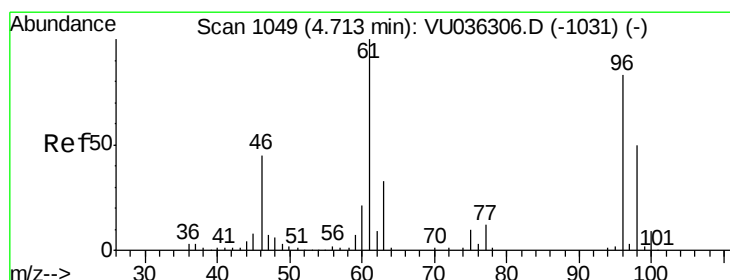
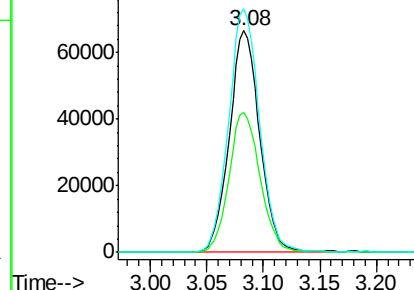
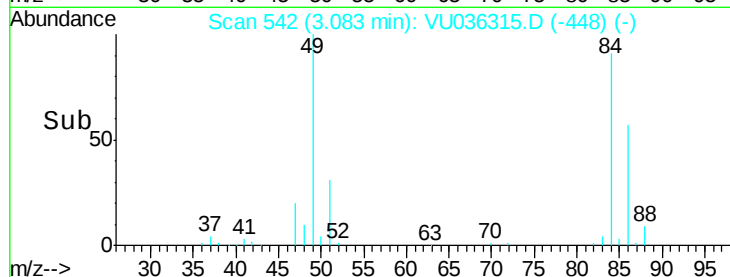
49 109.8 77.3 143.5



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



#22

cis-1,2-Dichloroethene

Concen: 2.051 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036315.D

Acq: 20 Dec 2019 13:57

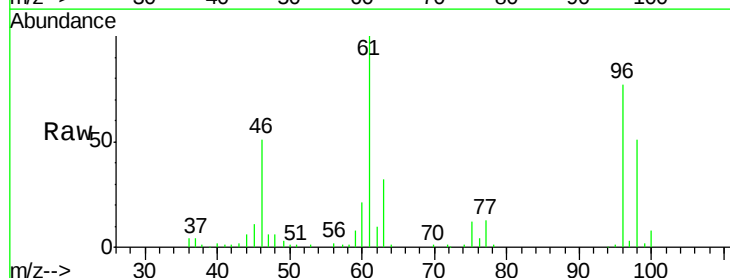
Tgt Ion: 96 Resp: 40793

Ion Ratio Lower Upper

96 100

61 129.5 86.7 161.1

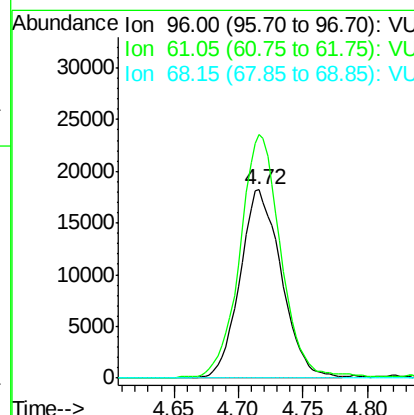
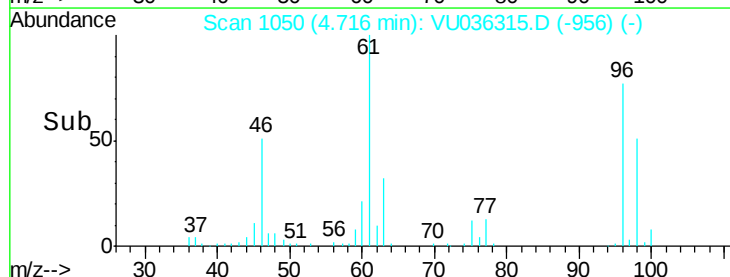
68 0.0 0.0 0.0

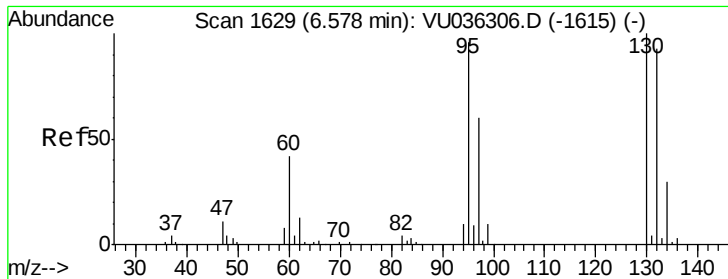


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#34

Trichloroethene

Concen: 12.021 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036315.D

Acq: 20 Dec 2019 13:57

Instrument :

MSVOA_U

ClientSampleId :

BFDW9DL

Tot Ion: 95 Resp: 251775

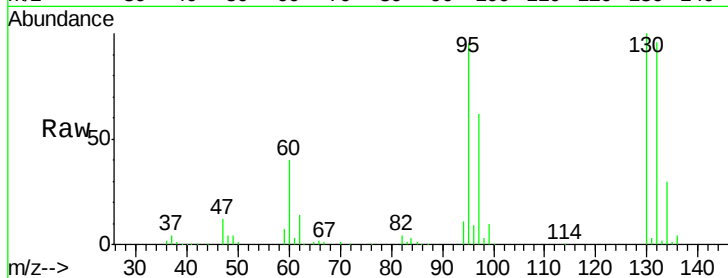
Ion Ratio Lower Upper

95 100

97 64.8 43.6 81.0

132 100.5 69.6 129.2

130 105.1 70.3 130.7

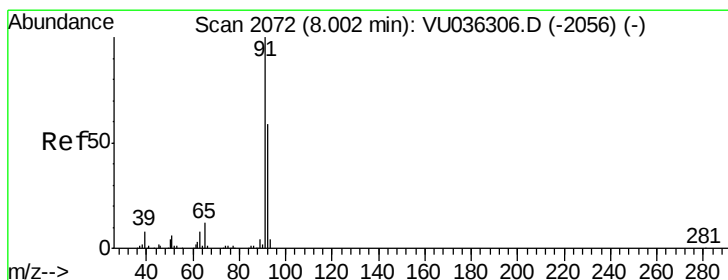
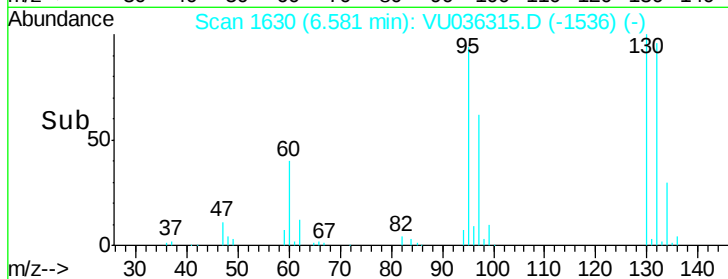
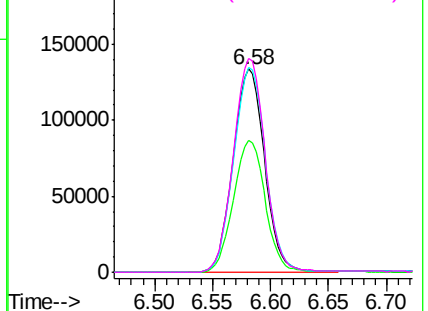


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#42

Toluene

Concen: 2.764 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036315.D

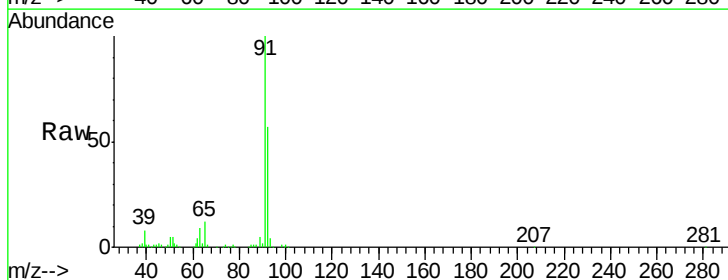
Acq: 20 Dec 2019 13:57

Tgt Ion: 91 Resp: 240688

Ion Ratio Lower Upper

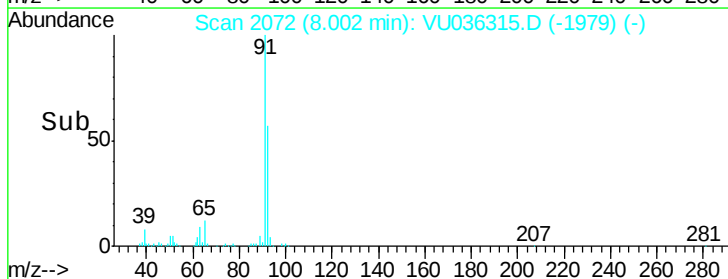
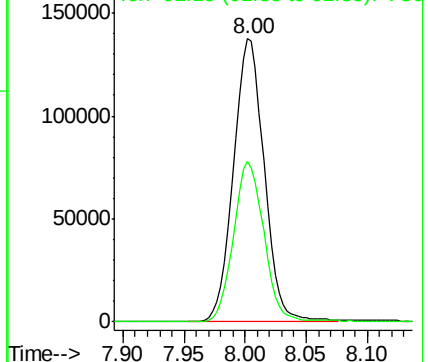
91 100

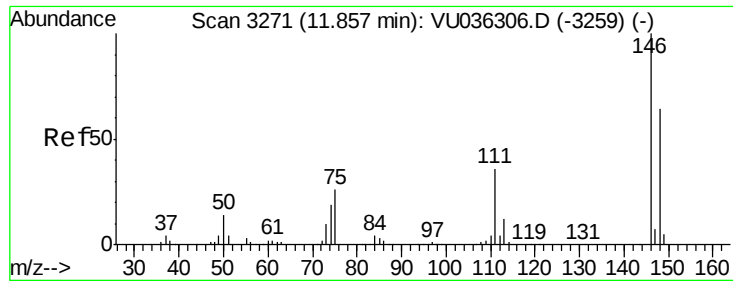
92 56.6 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#63

1,4-Dichlorobenzene

Concen: 0.163 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. 0.01 min

Lab File: VU036315.D

Acq: 20 Dec 2019 13:57

Instrument :

MSVOA_U

ClientSampleId :

BFDW9DL

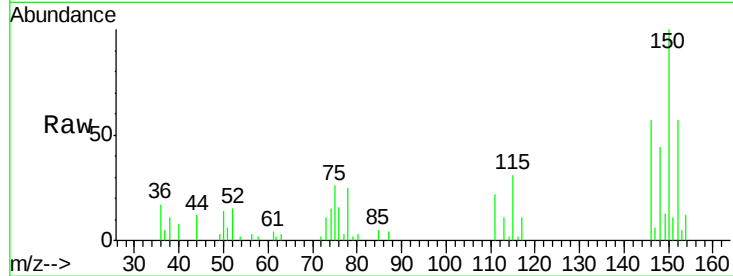
Tot Ion:146 Resp: 5571

Ion Ratio Lower Upper

146 100

111 38.1 25.8 48.0

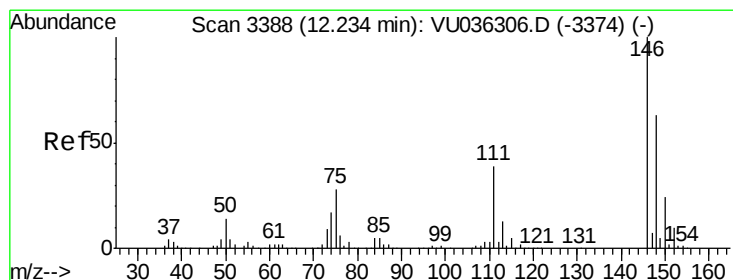
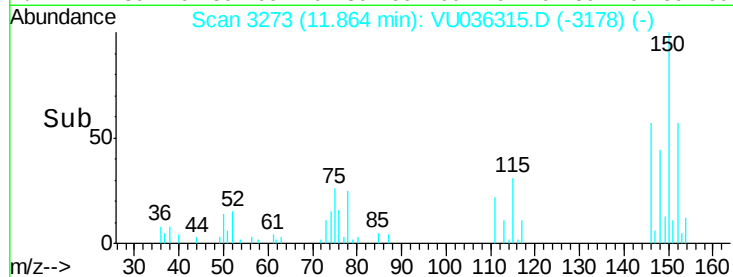
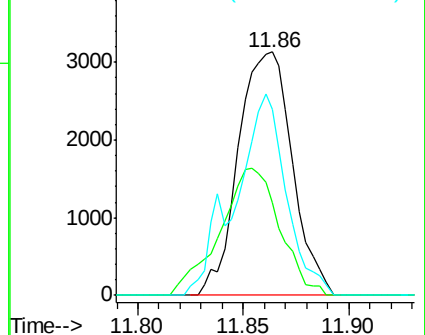
148 76.2 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.119 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU036315.D

Acq: 20 Dec 2019 13:57

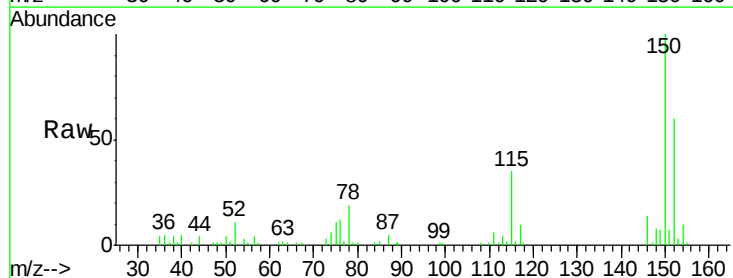
Tgt Ion:146 Resp: 3919

Ion Ratio Lower Upper

146 100

111 42.8 32.5 48.7

148 60.8 49.2 73.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

