

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 20 22:23:45 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

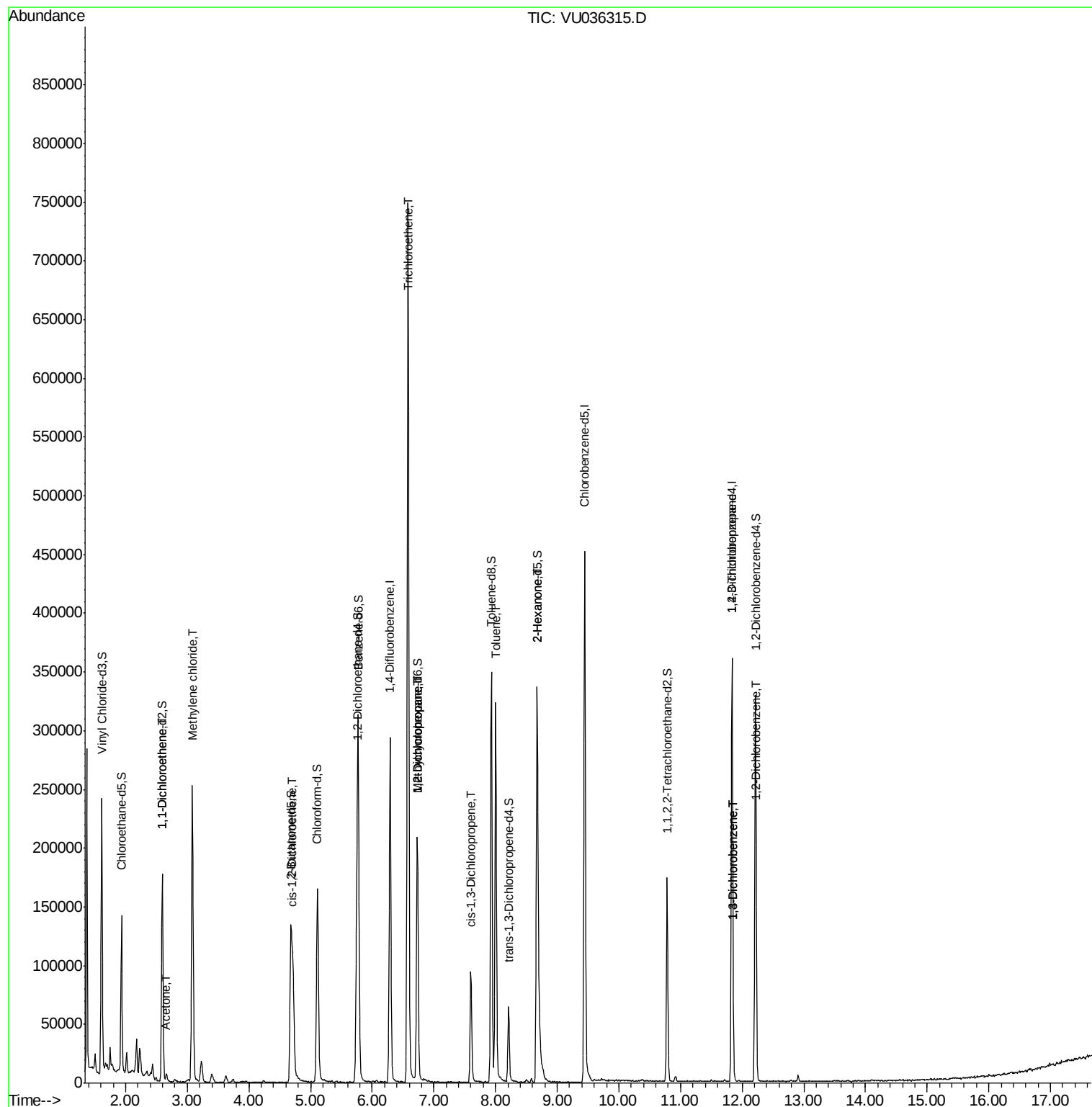
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	2463	0.139	ug/L #	1
13) Acetone	2.66	43	6418	1.870	ug/L	98
16) Methylene chloride	3.08	84	124478	4.782	ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	40793	2.051	ug/L	95
34) Trichloroethene	6.58	95	251775	12.021	ug/L	97
35) Methylcyclohexane	6.73	83	24005	0.806	ug/L #	18
37) 1,2-Dichloropropane	6.73	63	11038	0.533	ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2473	0.088	ug/L #	62
42) Toluene	8.00	91	240688	2.764	ug/L	97
48) 2-Hexanone	8.67	43	19123	2.364	ug/L #	71
59) 1,2,3-Trichloropropane	11.83	75	12824	0.931	ug/L	100
62) 1,3-Dichlorobenzene	11.86	146	5571	0.162	ug/L	90
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

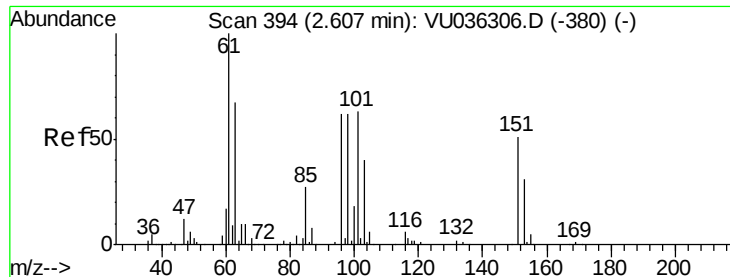
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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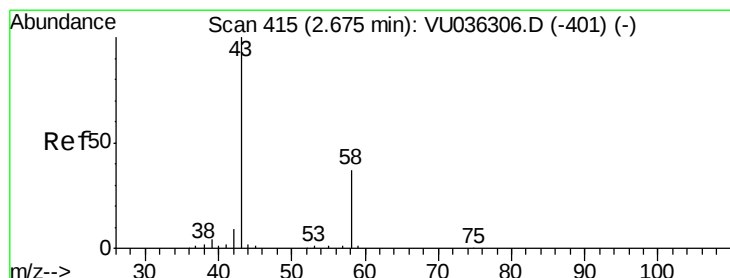
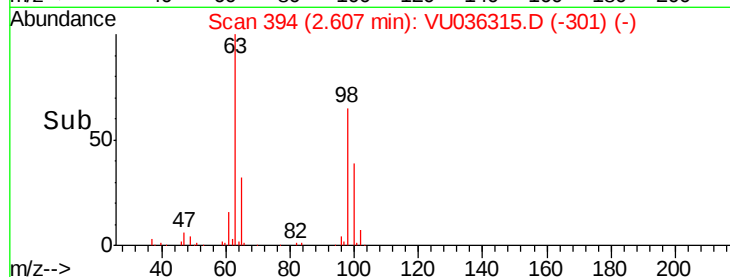
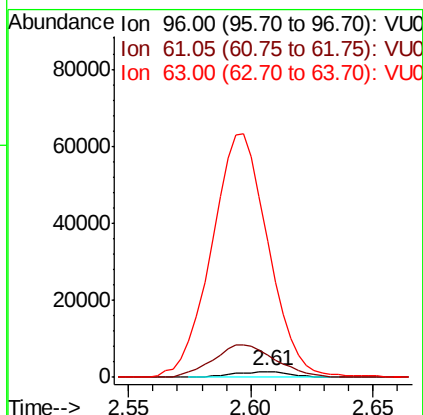
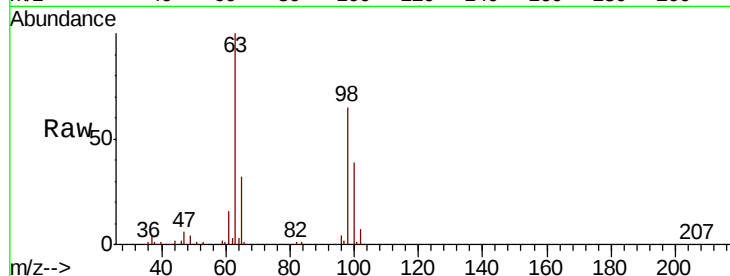




#12
 1,1-Dichloroethene
 Concen: 0.139 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. -0.00 min
 Lab File: VU036315.D
 Acq: 20 Dec 2019 13:57

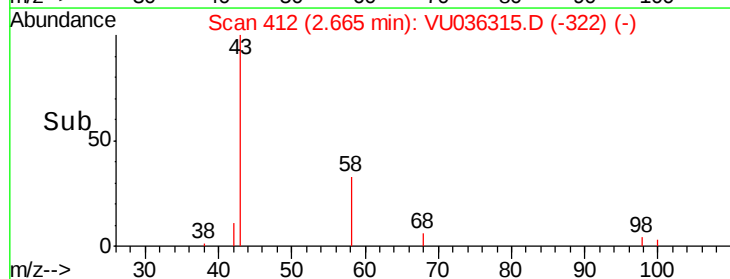
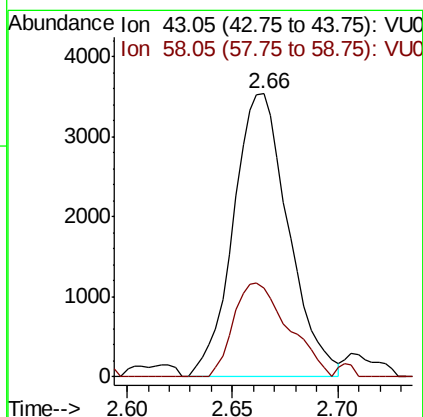
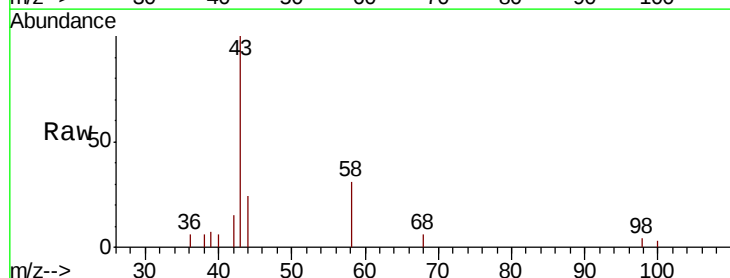
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDW9DL

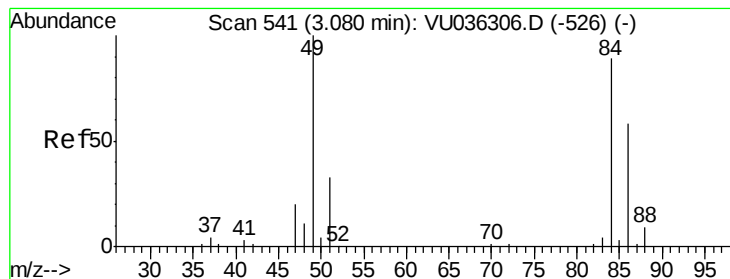
Tot Ion: 96 Resp: 2463
 Ion Ratio Lower Upper
 96 100
 61 377.2 114.0 211.8#
 63 2287.0 63.6 118.0#



#13
 Acetone
 Concen: 1.870 ug/L
 RT: 2.66 min Scan# 412
 Delta R.T. -0.01 min
 Lab File: VU036315.D
 Acq: 20 Dec 2019 13:57

Tgt Ion: 43 Resp: 6418
 Ion Ratio Lower Upper
 43 100
 58 32.9 0.0 67.6





#16

Methylene chloride

Concen: 4.782 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036315.D

Acq: 20 Dec 2019 13:57

Instrument :

MSVOA_U

ClientSampleID :

BFDW9DL

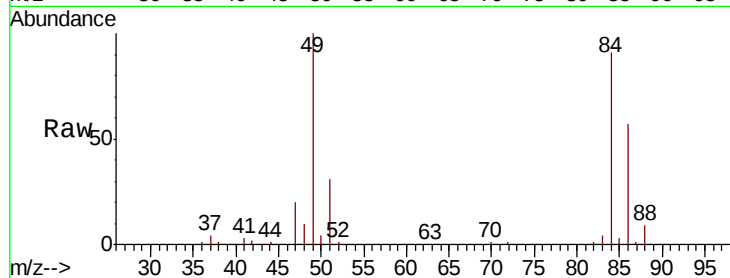
Tot Ion: 84 Resp: 124478

Ion Ratio Lower Upper

84 100

86 63.0 43.0 79.8

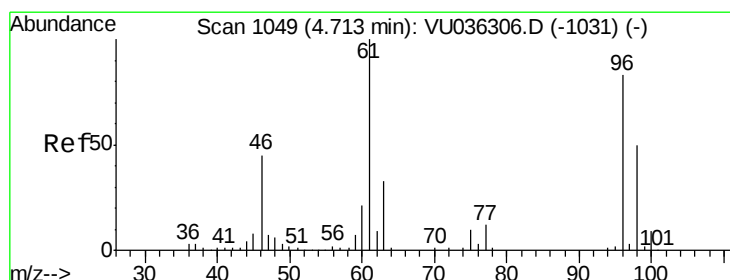
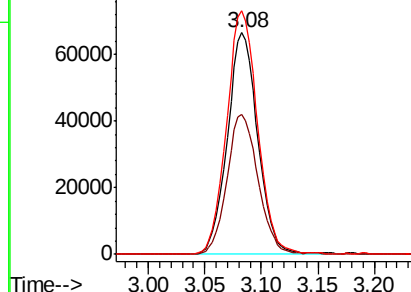
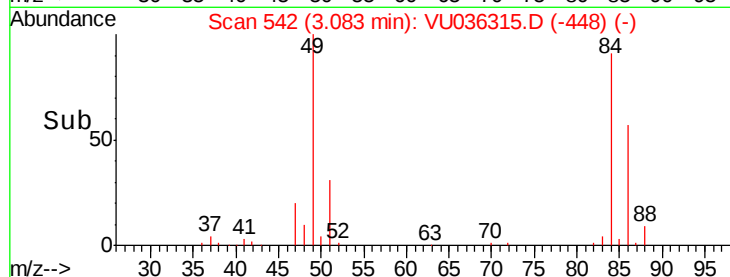
49 109.8 77.3 143.5



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

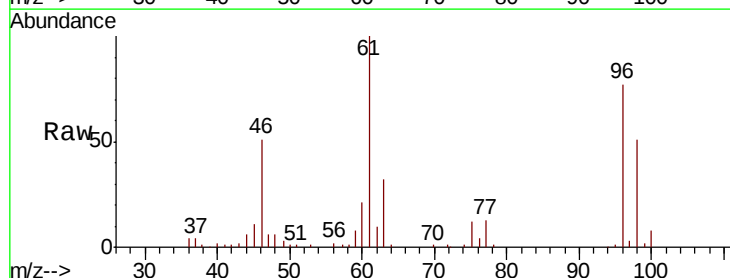
Tgt Ion: 96 Resp: 40793

Ion Ratio Lower Upper

96 100

61 129.5 86.7 161.1

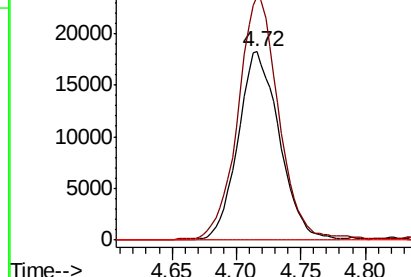
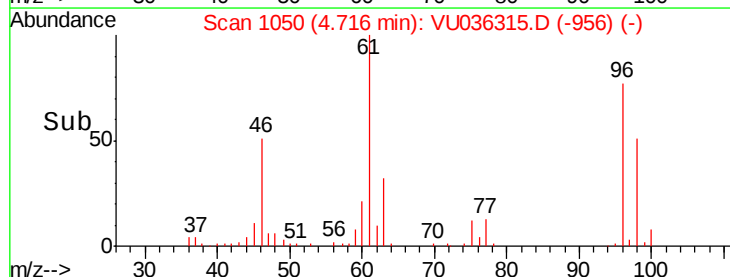
68 0.0 0.0 0.0

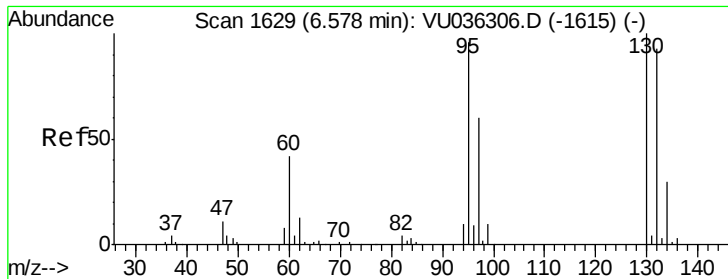


Abundance Ion 96.00 (95.70 to 96.70): VU0

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

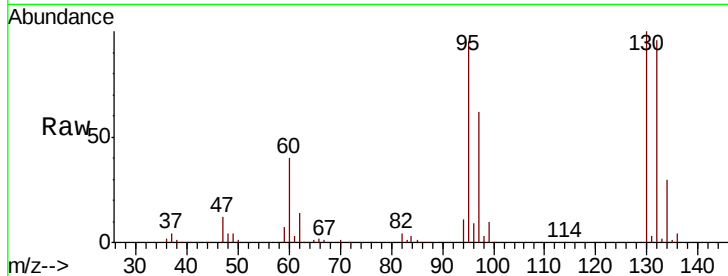
Ion Ratio Lower Upper

95 100

97 64.8 43.6 81.0

132 100.5 69.6 129.2

130 105.1 70.3 130.7

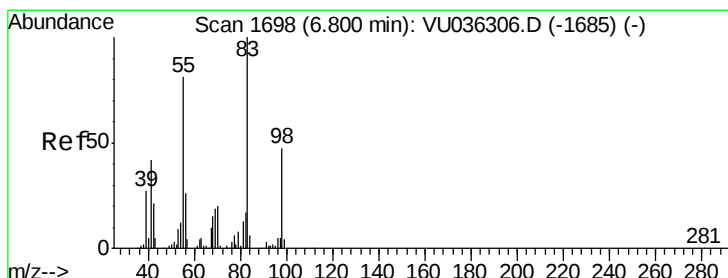
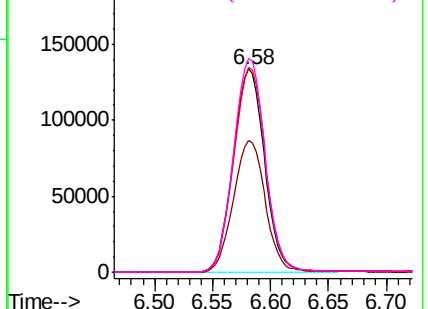
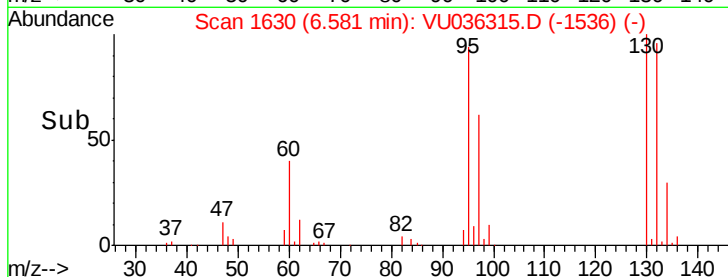


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 0.806 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.07 min

Lab File: VU036315.D

Acq: 20 Dec 2019 13:57

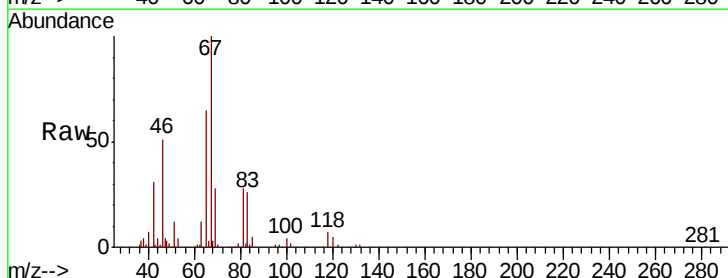
Tgt Ion: 83 Resp: 24005

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

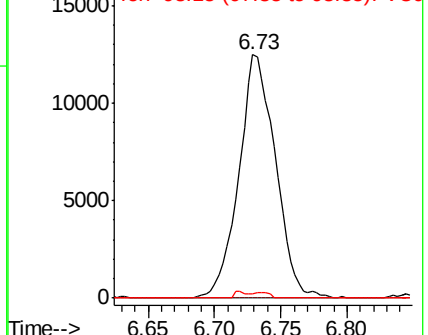
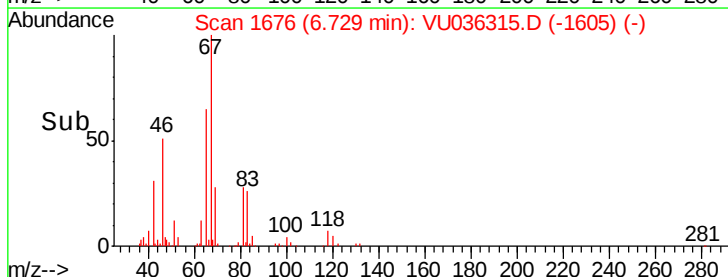
98 1.1 36.2 54.2#

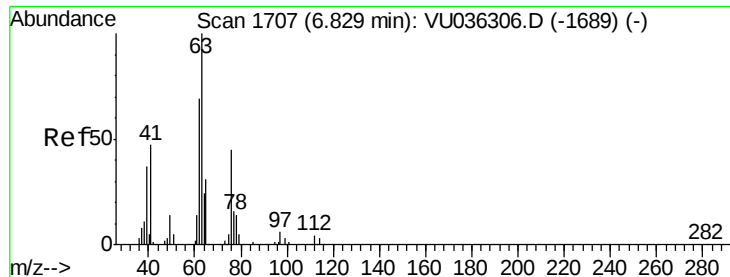


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.533 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.10 min

Lab File: VU036315.D

Acq: 20 Dec 2019 13:57

Instrument :

MSVOA_U

ClientSampleID :

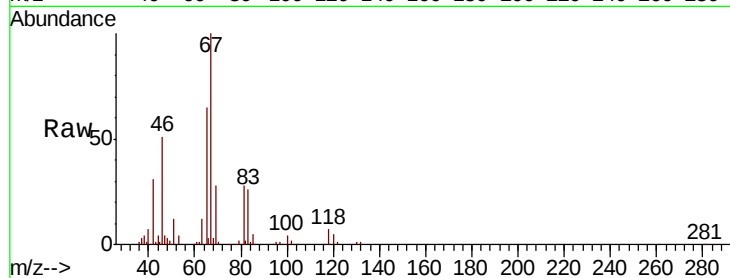
BFDW9DL

Tot Ion: 63 Resp: 11038

Ion Ratio Lower Upper

63 100

112 0.2 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU036315.D (-1676) (-)

Ion 112.10 (111.80 to 112.80): VU036315.D (-1676) (-)

6.73

6000

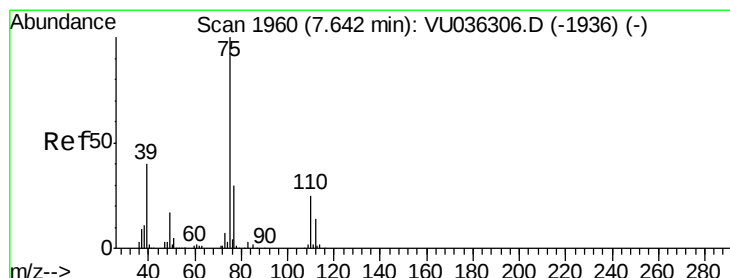
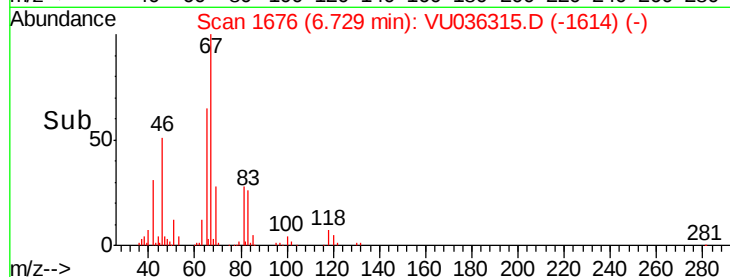
4000

2000

0

6.65 6.70 6.75 6.80

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU036315.D

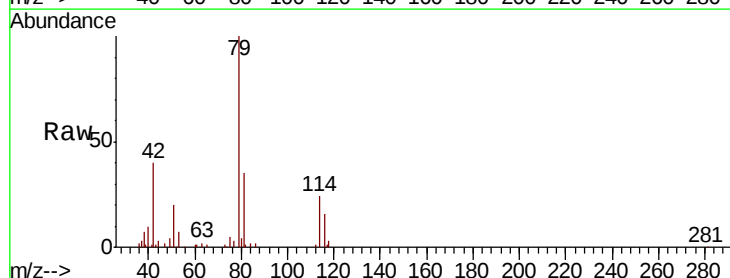
Acq: 20 Dec 2019 13:57

Tgt Ion: 75 Resp: 2473

Ion Ratio Lower Upper

75 100

77 53.6 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU036315.D (-1867) (-)

Ion 77.05 (76.75 to 77.75): VU036315.D (-1867) (-)

7.60

1500

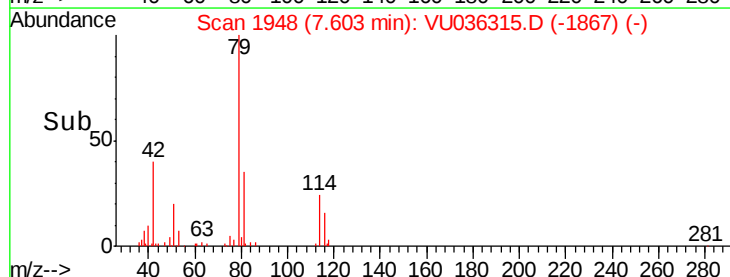
1000

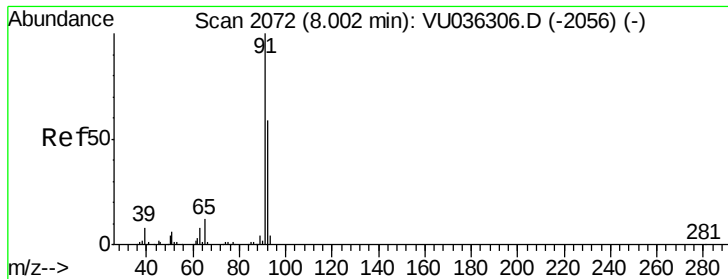
500

0

7.55 7.60 7.65

Time-->





#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

Instrument :

MSVOA_U

ClientSampleId :

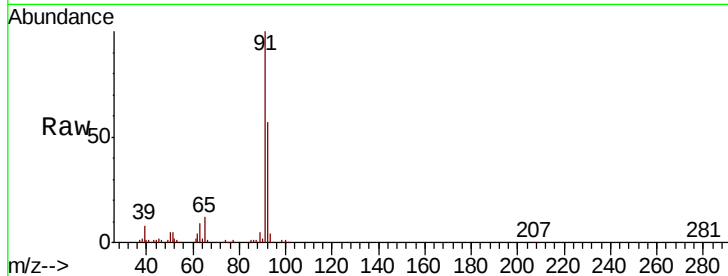
BFDW9DL

Tot Ion: 91 Resp: 240688

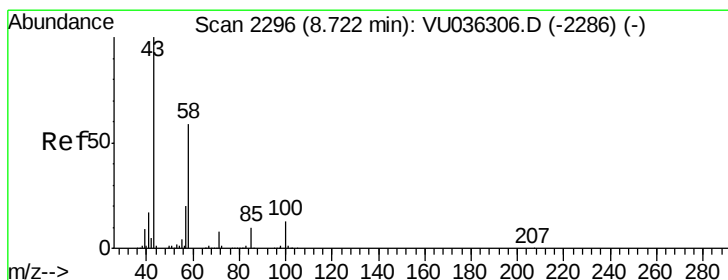
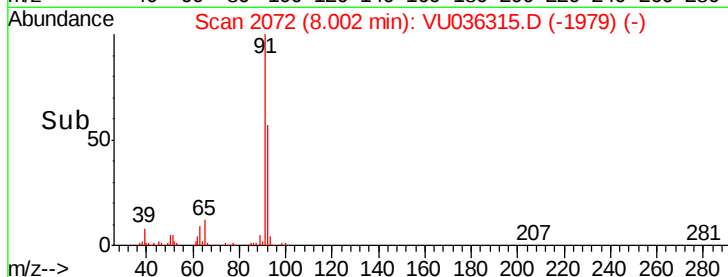
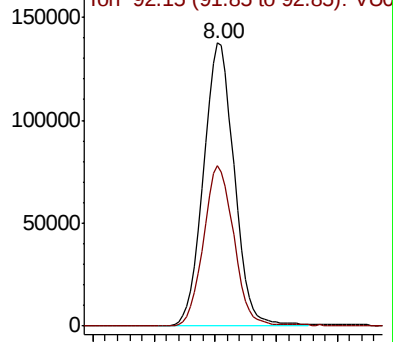
Ion Ratio Lower Upper

91 100

92 56.6 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU036315.D (-1979) (-)



#48

2-Hexanone

Concen: 2.364 ug/L

RT: 8.67 min Scan# 2281

Delta R.T. -0.05 min

Lab File: VU036315.D

Acq: 20 Dec 2019 13:57

Tgt Ion: 43 Resp: 19123

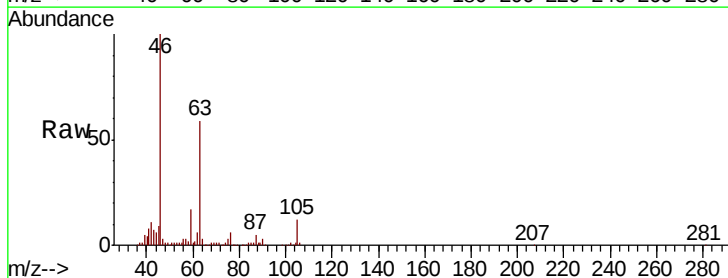
Ion Ratio Lower Upper

43 100

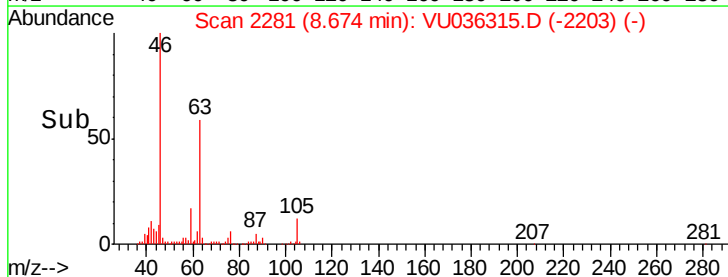
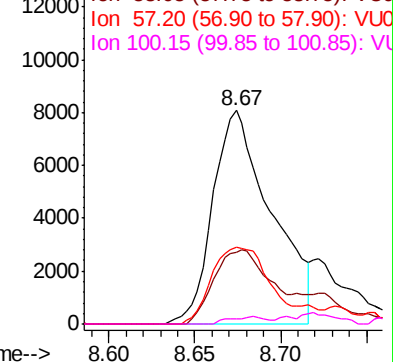
58 36.9 46.2 69.2#

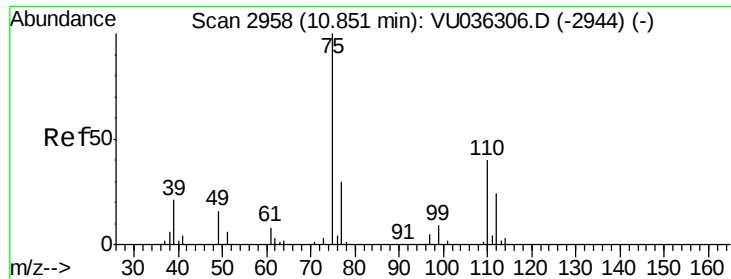
57 35.1 16.2 24.4#

100 2.1 10.2 15.4#



Abundance Ion 43.05 (42.75 to 43.75): VU036315.D (-2203) (-)





#59

1,2,3-Trichloropropane

Concen: 0.931 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.98 min

Lab File: VU036315.D

Acq: 20 Dec 2019 13:57

Instrument :

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ClientSampleId :

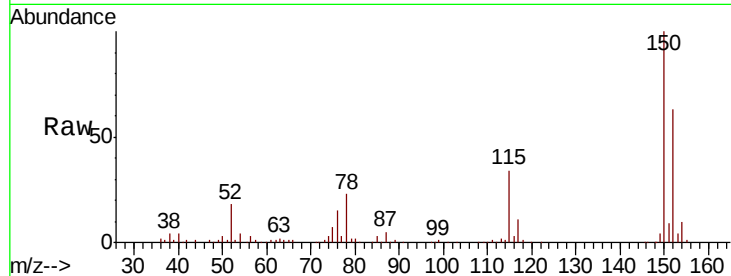
BFDW9DL

Tot Ion: 75 Resp: 12824

Ion Ratio Lower Upper

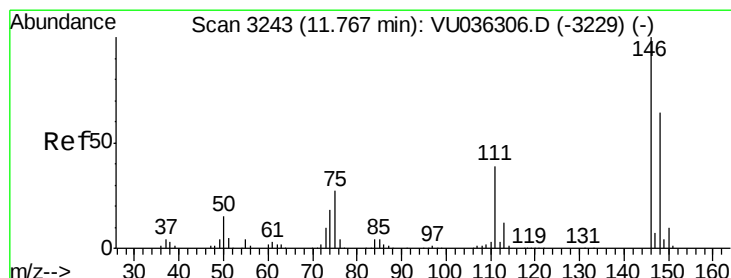
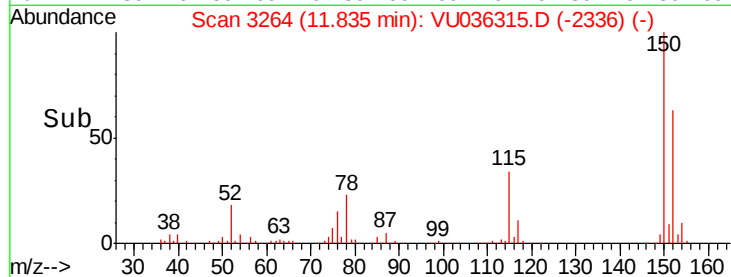
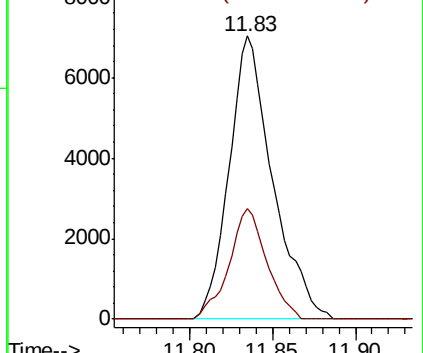
75 100

77 34.0 27.2 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#62

1,3-Dichlorobenzene

Concen: 0.162 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. 0.10 min

Lab File: VU036315.D

Acq: 20 Dec 2019 13:57

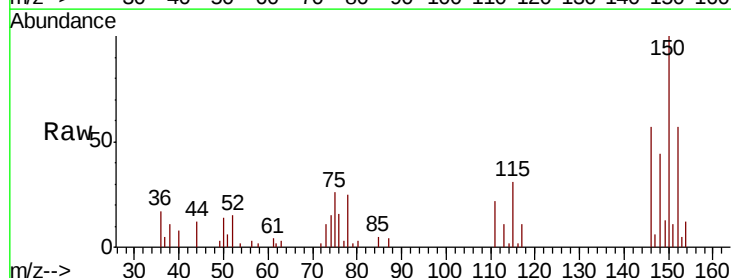
Tgt Ion: 146 Resp: 5571

Ion Ratio Lower Upper

146 100

111 38.1 26.3 48.9

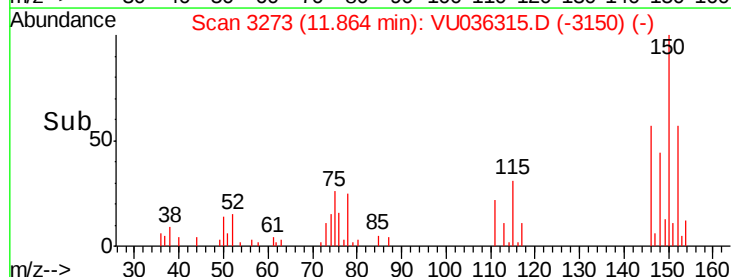
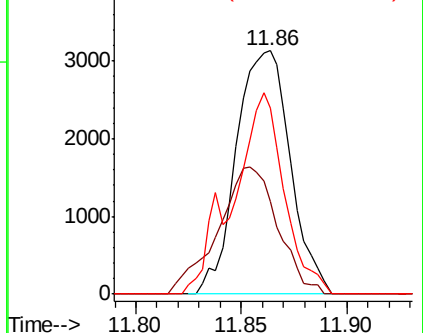
148 76.2 45.1 83.9

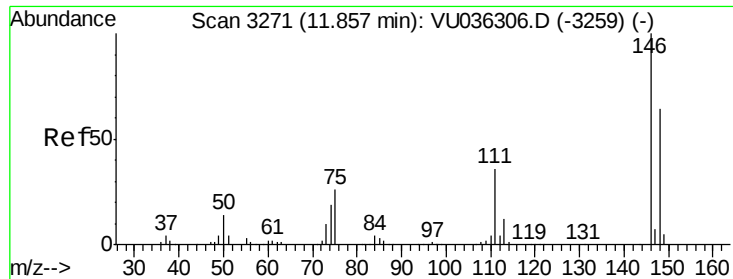


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#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

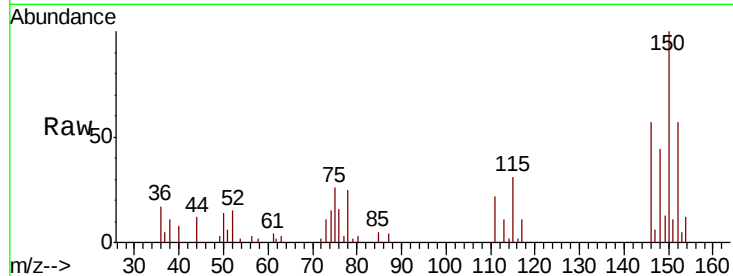
Tot Ion:146 Resp: 5571

Ion Ratio Lower Upper

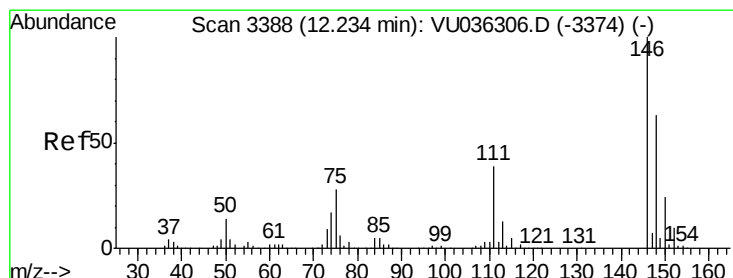
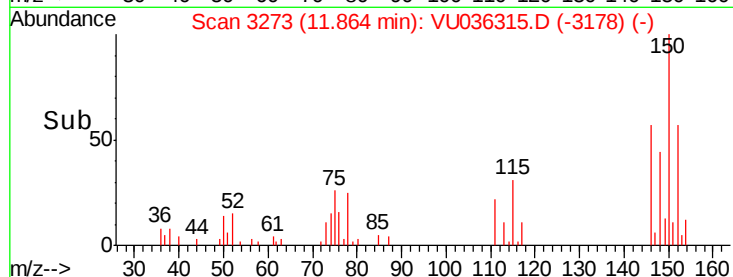
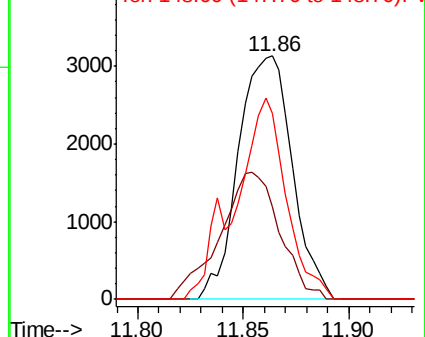
146 100

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

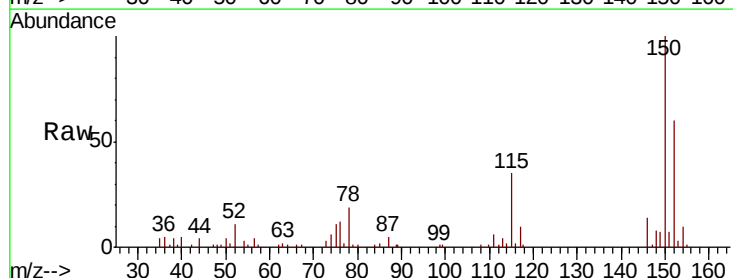
Tgt Ion:146 Resp: 3919

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

