

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032519\
 Data File : VU030412.D
 Acq On : 25 Mar 2019 19:06
 Operator : JC/SP
 Sample : K2016-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0981

Quant Time: Mar 26 02:25:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 01:25:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	467227	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	436718	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	175994	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	197276	52.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.92%
7) Chloroethane-d5	1.68	69	153565	51.52	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.04%
11) 1,1-Dichloroethene-d2	2.27	63	266543	37.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.74%
21) 2-Butanone-d5	4.17	46	314084	88.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.86%
24) Chloroform-d	4.64	84	306420	47.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.31	65	204945	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.68%
32) Benzene-d6	5.34	84	624093	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.66%
36) 1,2-Dichloropropane-d6	6.33	67	225399	52.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.20%
41) Toluene-d8	7.56	98	549646	48.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.74%
43) trans-1,3-Dichloropropene-	7.85	79	93772	46.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.08%
47) 2-Hexanone-d5	8.31	63	206212	88.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.81%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	283527	46.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	174298	49.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.86%

Target Compounds

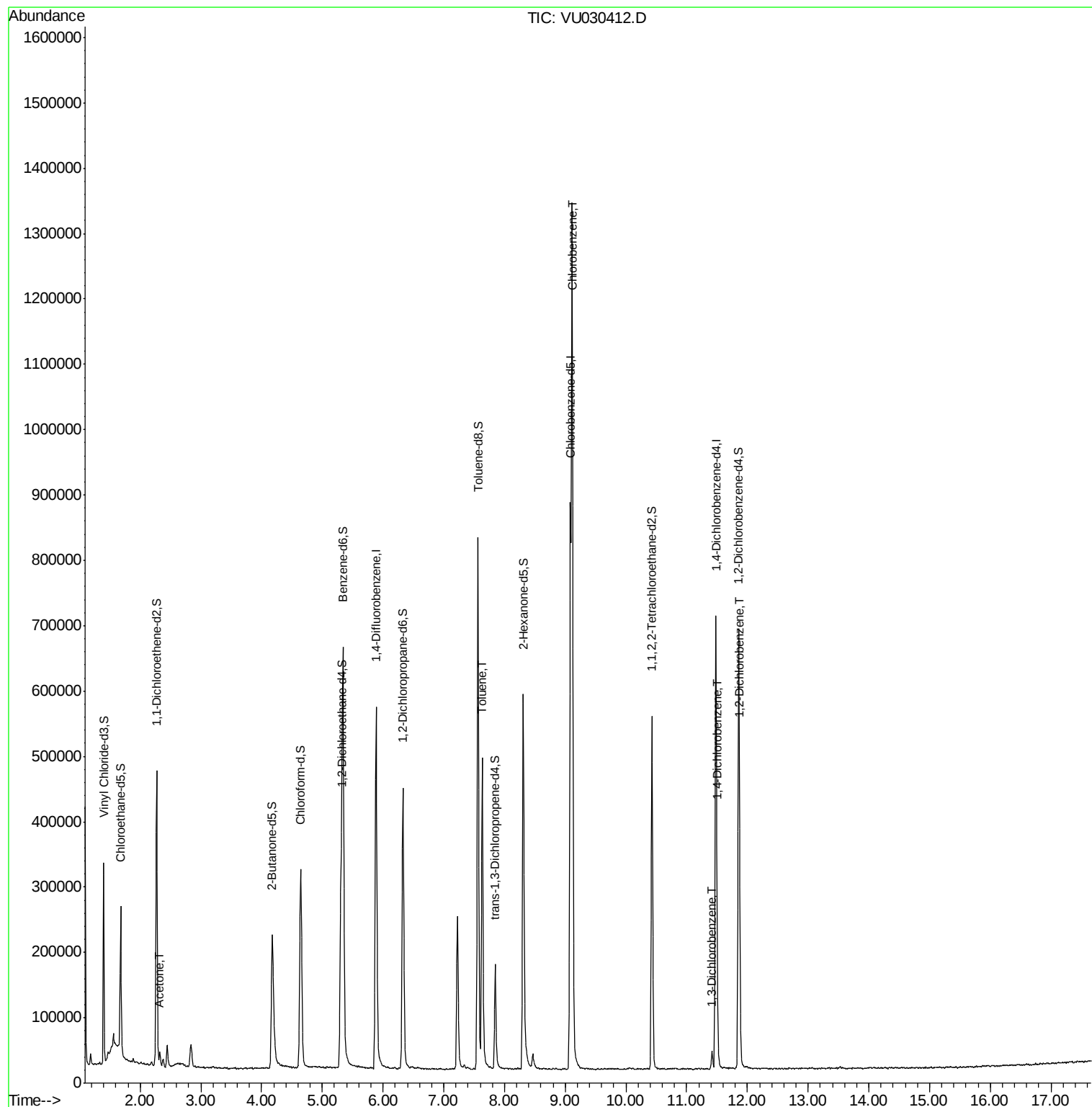
					Ovalue
13) Acetone	2.32	43	19621	5.489 ug/L	99
42) Toluene	7.63	91	351143	22.759 ug/L	100
51) Chlorobenzene	9.12	112	676137	72.308 ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	11033	1.917 ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	34958	5.900 ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	31831	5.470 ug/L	98

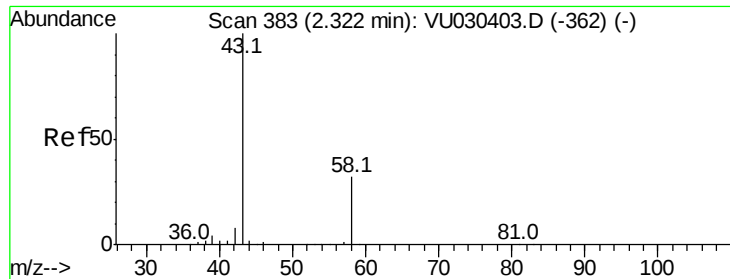
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.489 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU030412.D

Acq: 25 Mar 2019 19:06

Instrument :

MSVOA_U

ClientSampleId :

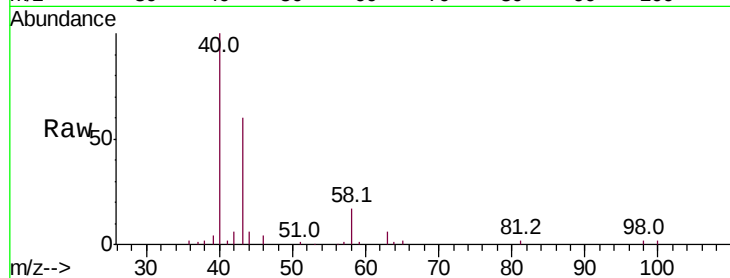
C0981

Tot Ion: 43 Resp: 19621

Ion Ratio Lower Upper

43 100

58 30.7 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030412.D (-290) (-)

Ion 58.00 (57.70 to 58.70): VU030412.D (-290) (-)

2.32

15000

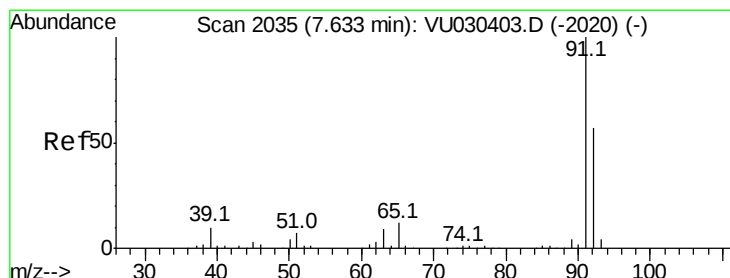
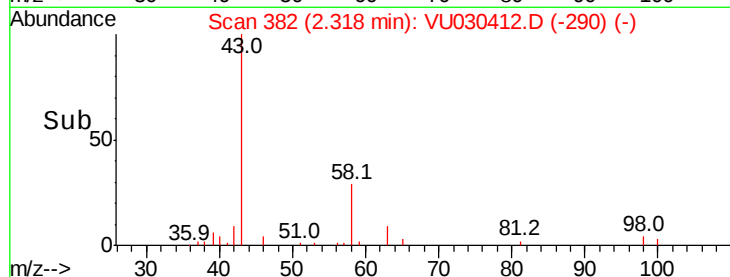
10000

5000

0

2.30 2.35

Time-->



#42

Toluene

Concen: 22.759 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030412.D

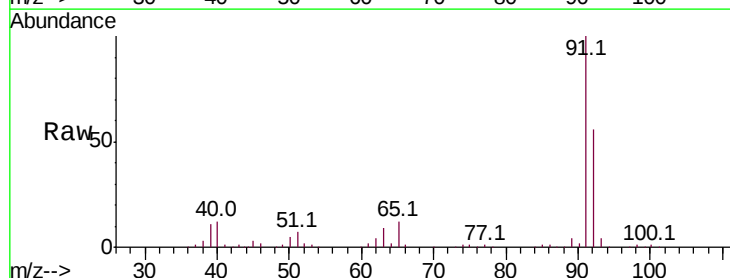
Acq: 25 Mar 2019 19:06

Tgt Ion: 91 Resp: 351143

Ion Ratio Lower Upper

91 100

92 56.4 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU030412.D (-1942) (-)

Ion 92.00 (91.70 to 92.70): VU030412.D (-1942) (-)

7.63

200000

150000

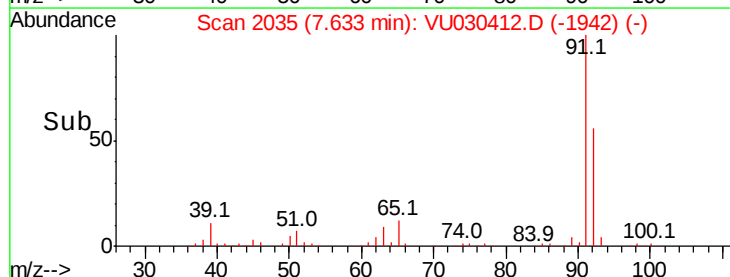
100000

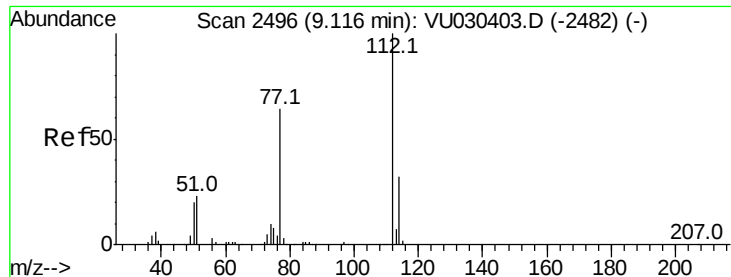
50000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#51

Chlorobenzene

Concen: 72.308 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030412.D

Acq: 25 Mar 2019 19:06

Instrument :

MSVOA_U

ClientSampleId :

C0981

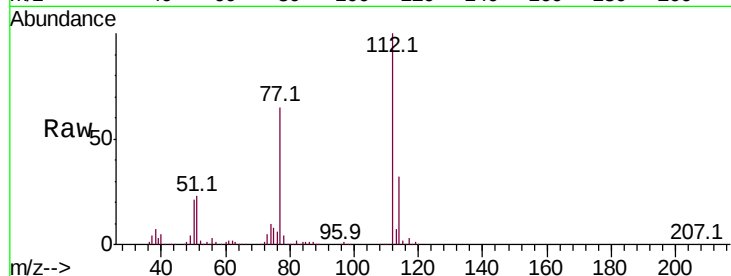
Tot Ion:112 Resp: 676137

Ion Ratio Lower Upper

112 100

114 31.8 21.5 39.9

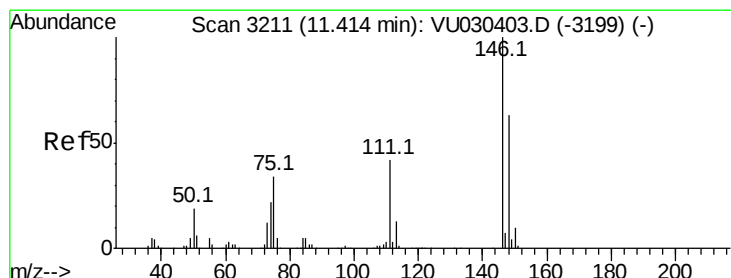
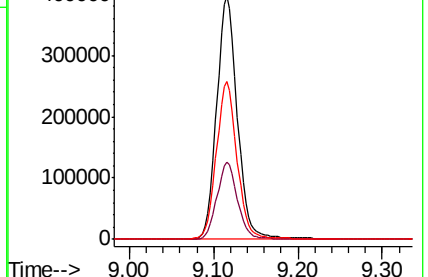
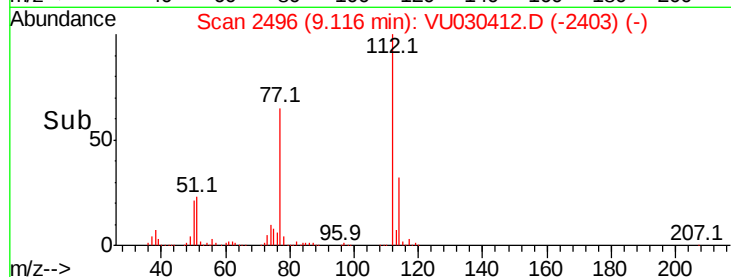
77 64.9 51.4 77.0



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): VU



#62

1,3-Dichlorobenzene

Concen: 1.917 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030412.D

Acq: 25 Mar 2019 19:06

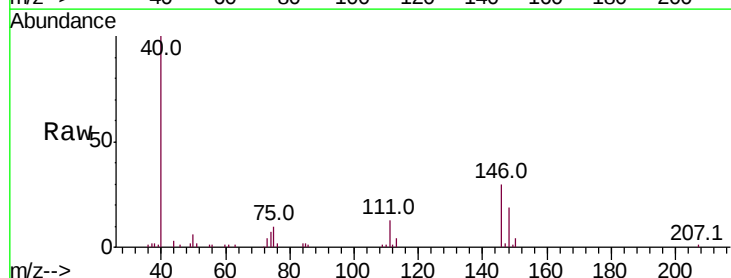
Tgt Ion:146 Resp: 11033

Ion Ratio Lower Upper

146 100

111 41.6 29.2 54.2

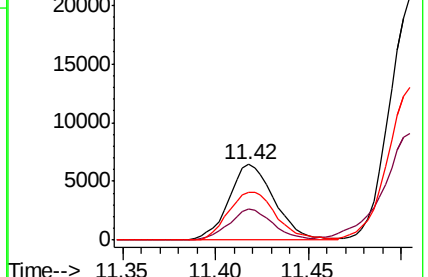
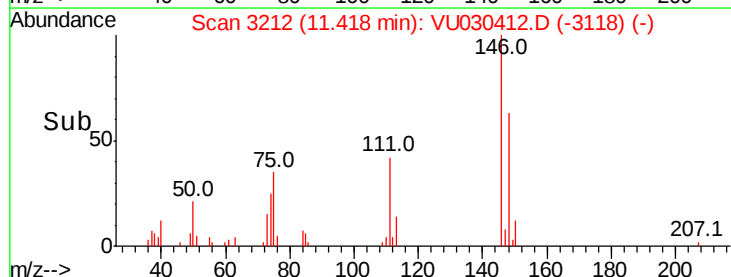
148 63.1 44.4 82.4

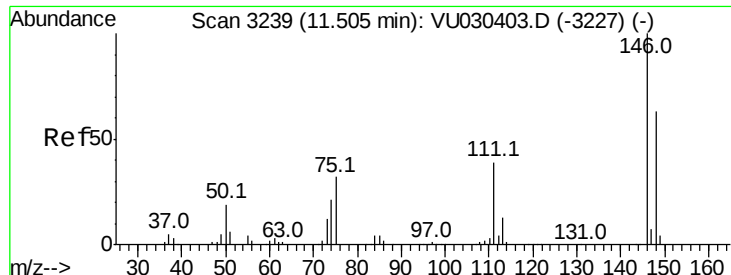


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 5.900 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030412.D

Acq: 25 Mar 2019 19:06

Instrument :

MSVOA_U

ClientSampled :

C0981

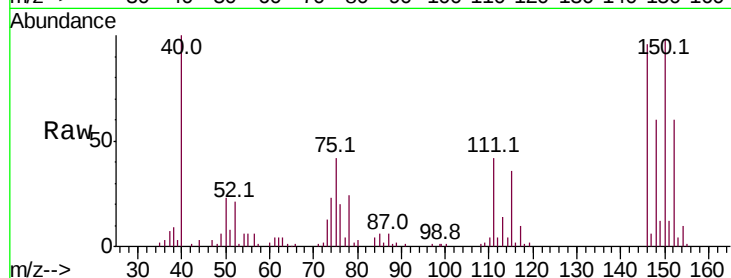
Tot Ion:146 Resp: 34958

Ion Ratio Lower Upper

146 100

111 43.6 28.7 53.3

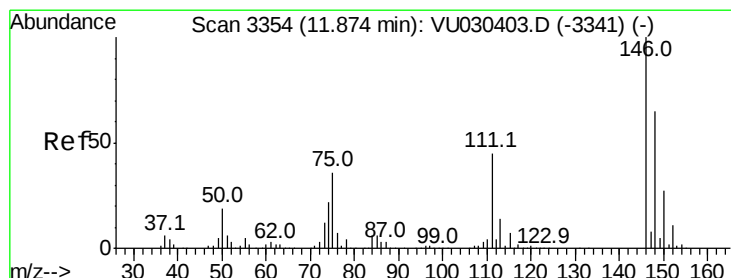
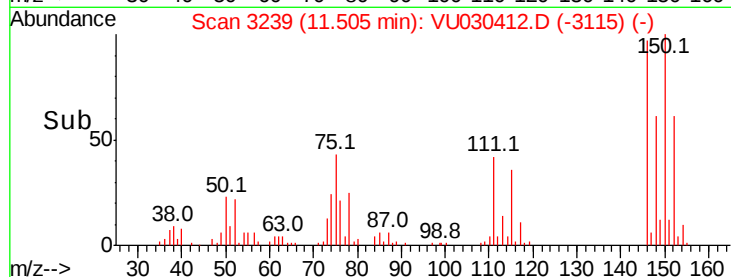
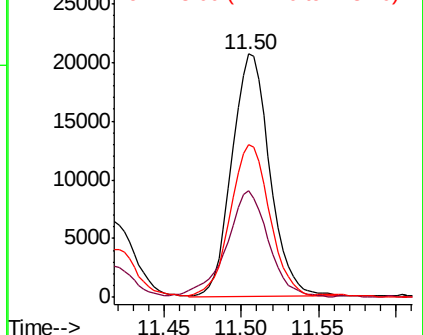
148 62.8 44.3 82.3



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: 5.470 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030412.D

Acq: 25 Mar 2019 19:06

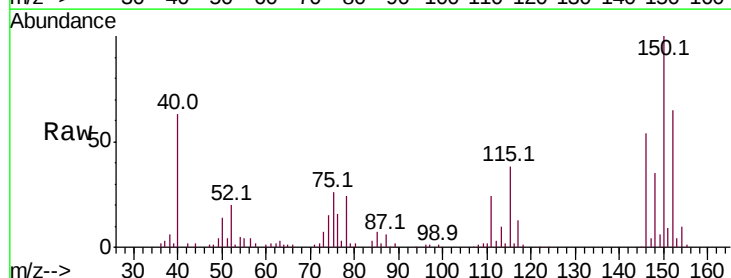
Tgt Ion:146 Resp: 31831

Ion Ratio Lower Upper

146 100

111 44.8 34.9 52.3

148 65.8 51.2 76.8



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

