

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU032619\
 Data File : VU030444.D
 Acq On : 26 Mar 2019 15:05
 Operator : JC/SP
 Sample : K2070-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09C6

Quant Time: Apr 10 23:37:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 04:29:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	424134	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	413525	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	187519	50.00	ug/L	0.00

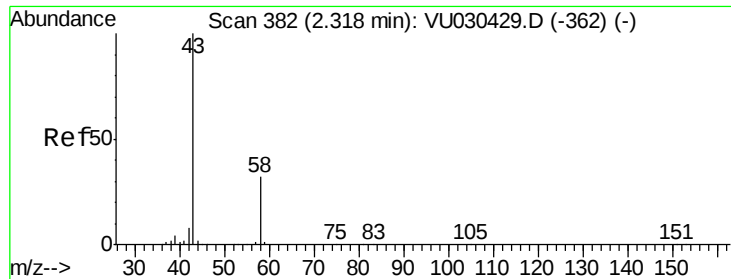
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	188323	55.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.34%
7) Chloroethane-d5	1.67	69	153619	56.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.56%
11) 1,1-Dichloroethene-d2	2.27	63	268988	41.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.08%
21) 2-Butanone-d5	4.17	46	332253	103.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.55%
24) Chloroform-d	4.65	84	319708	54.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.72%
26) 1,2-Dichloroethane-d4	5.31	65	213408	55.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.90%
32) Benzene-d6	5.34	84	647674	54.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.24%
36) 1,2-Dichloropropane-d6	6.33	67	231959	57.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.34%
41) Toluene-d8	7.56	98	562486	52.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.62%
43) trans-1,3-Dichloropropene-	7.85	79	98753	51.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.52%
47) 2-Hexanone-d5	8.31	63	211369	96.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.13%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	299391	51.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	204341	54.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.78%

Target Compounds

					Ovalue
13) Acetone	2.32	43	11900	3.667 ug/L	94
33) Benzene	5.39	78	201530	14.316 ug/L	100
51) Chlorobenzene	9.12	112	2007993	226.785 ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	324073	52.846 ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	1222712	193.678 ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	244325	39.402 ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	117288	29.404 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	6695	1.589 ug/L	84

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



#13

Acetone

Concen: 3.667 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VU030444.D

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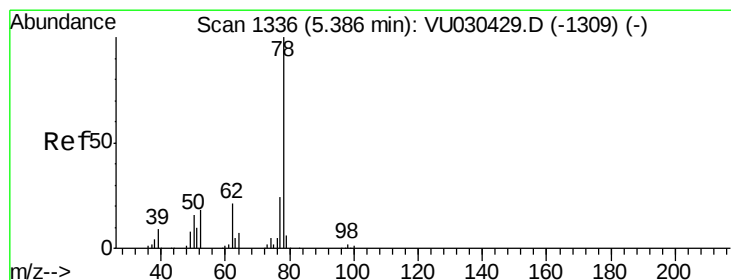
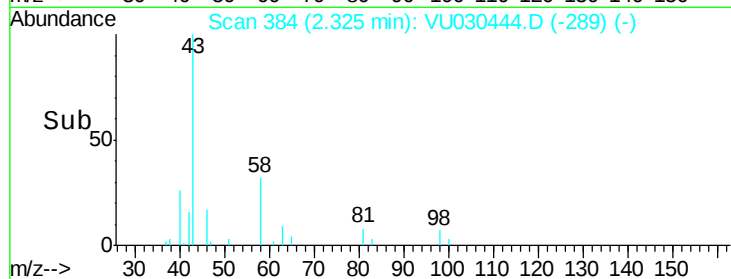
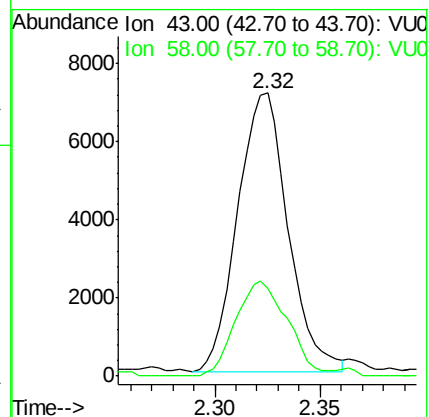
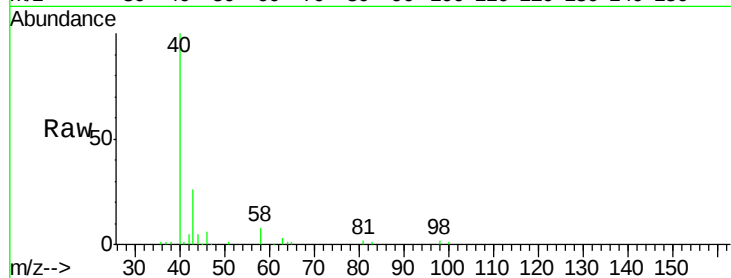
C09C6

Tot Ion: 43 Resp: 11900

Ion Ratio Lower Upper

43 100

58 34.9 0.0 62.8



#33

Benzene

Concen: 14.316 ug/L

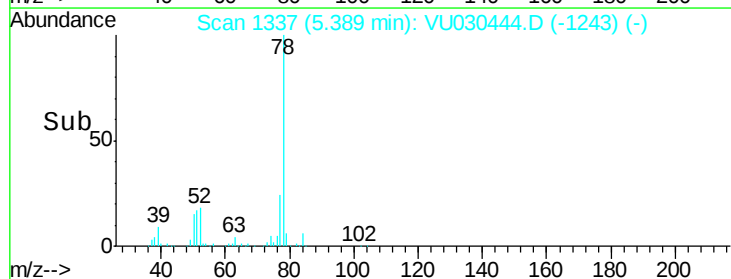
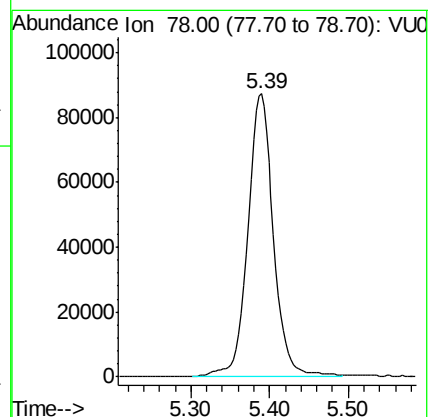
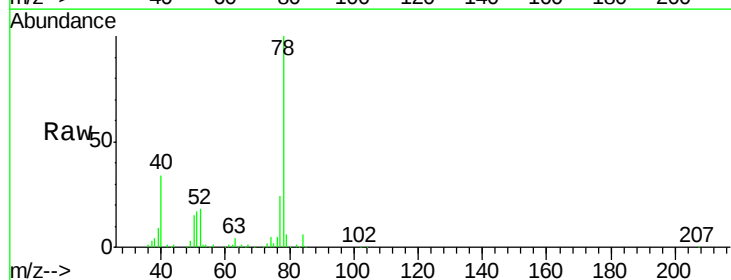
RT: 5.39 min Scan# 1337

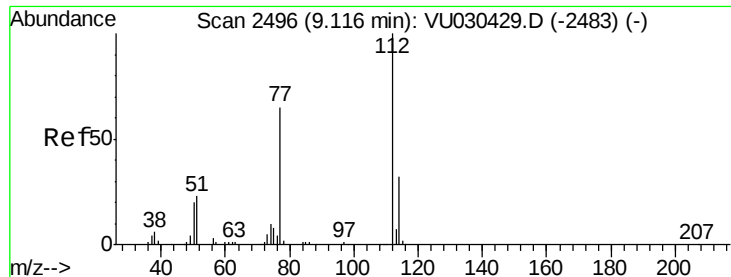
Delta R.T. 0.00 min

Lab File: VU030444.D

Acq: 26 Mar 2019 15:05

Tgt Ion: 78 Resp: 201530





#51

Chlorobenzene

Concen: 226.785 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030444.D

Acq: 26 Mar 2019 15:05

Instrument :

MSVOA_U

ClientSampleId :

C09C6

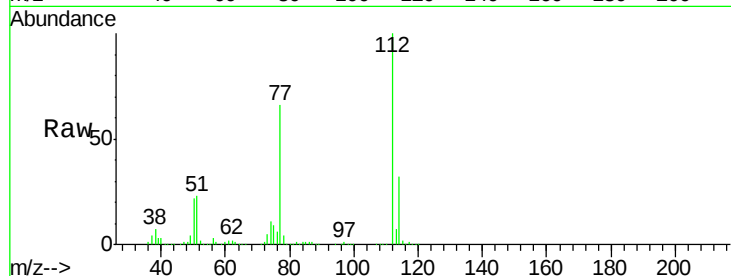
Tot Ion:112 Resp: 2007993

Ion Ratio Lower Upper

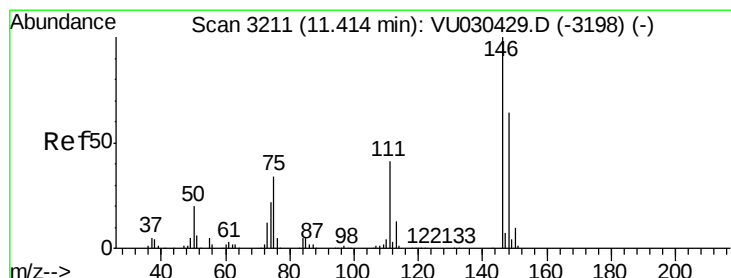
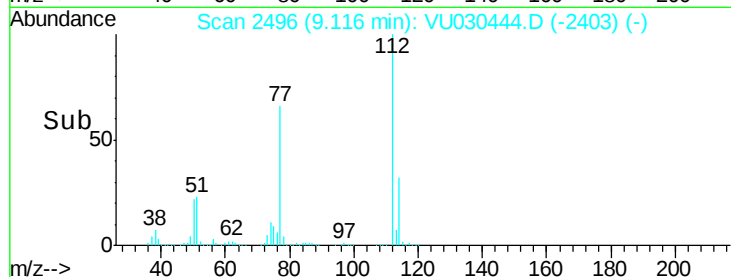
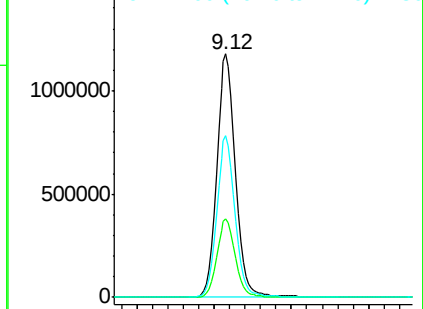
112 100

114 32.2 21.5 39.9

77 66.3 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): V



#62

1,3-Dichlorobenzene

Concen: 52.846 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030444.D

Acq: 26 Mar 2019 15:05

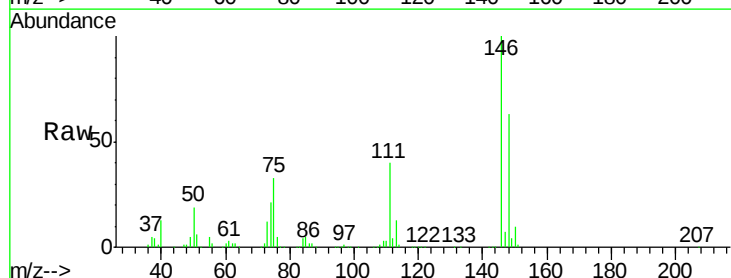
Tgt Ion:146 Resp: 324073

Ion Ratio Lower Upper

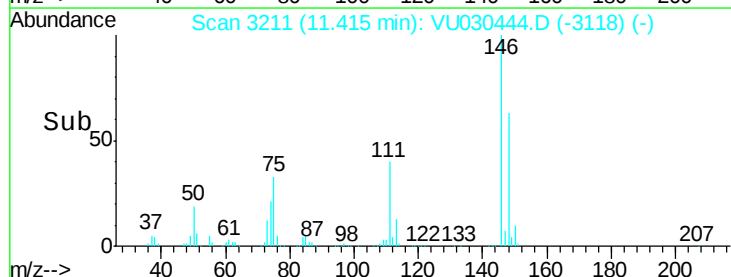
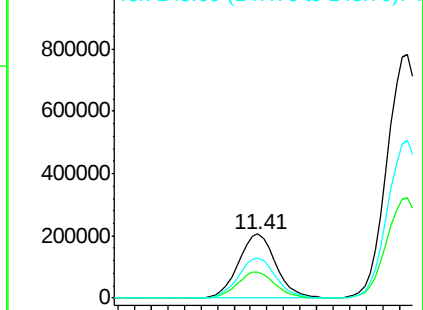
146 100

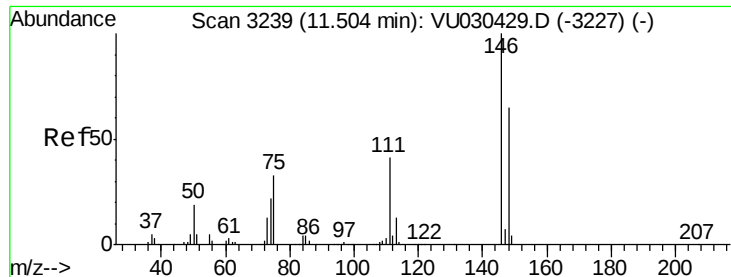
111 40.3 29.2 54.2

148 63.3 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: 193.678 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030444.D

Acq: 26 Mar 2019 15:05

Instrument :

MSVOA_U

ClientSampleId :

C09C6

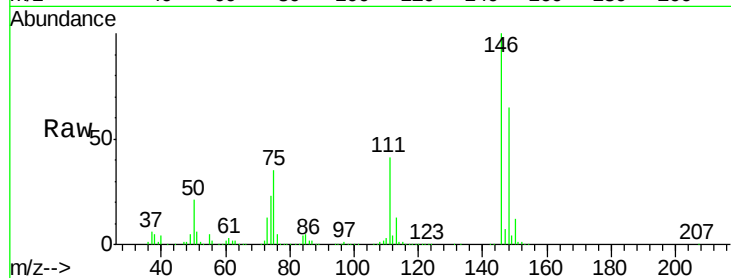
Tot Ion:146 Resp: 1222712

Ion Ratio Lower Upper

146 100

111 41.0 28.7 53.3

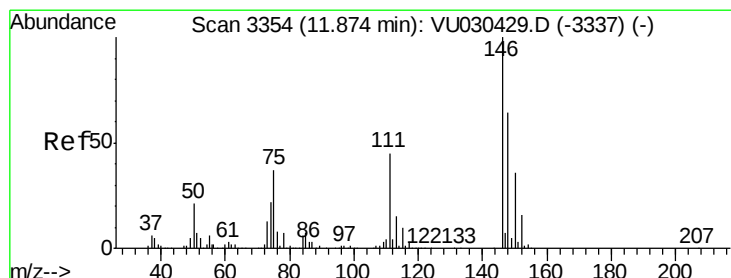
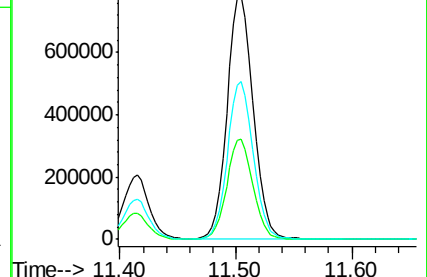
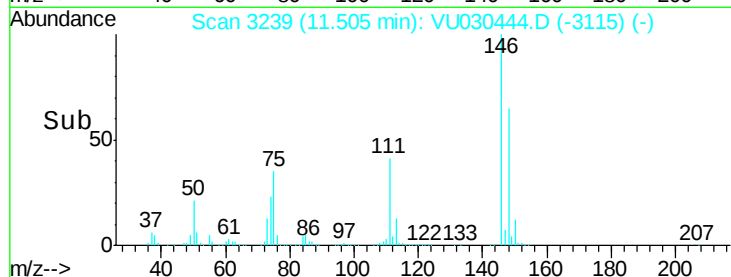
148 64.7 44.3 82.3



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: 39.402 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU030444.D

Acq: 26 Mar 2019 15:05

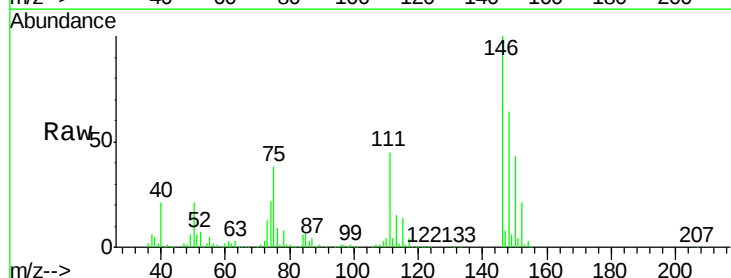
Tgt Ion:146 Resp: 244325

Ion Ratio Lower Upper

146 100

111 45.4 34.9 52.3

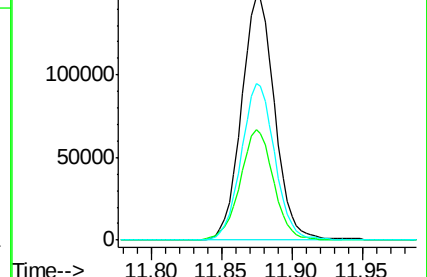
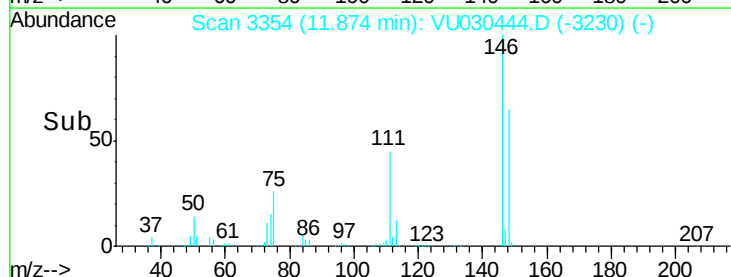
148 64.3 51.2 76.8

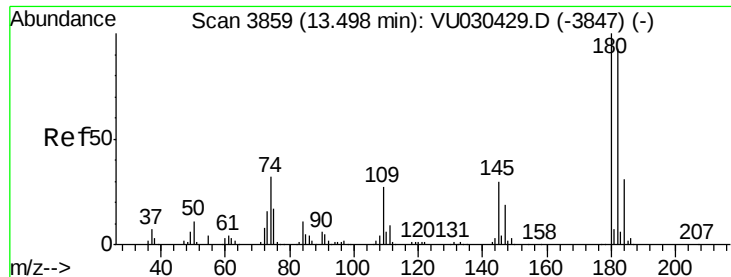


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68

1,2,4-trichlorobenzene

Concen: 29.404 ug/L

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU030444.D

Acq: 26 Mar 2019 15:05

Instrument :

MSVOA_U

ClientSampleId :

C09C6

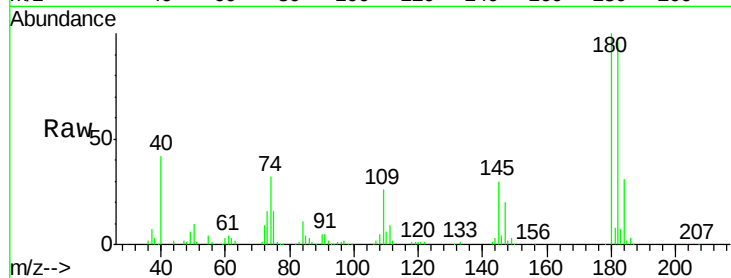
Tot Ion:180 Resp: 117288

Ion Ratio Lower Upper

180 100

182 94.4 76.1 114.1

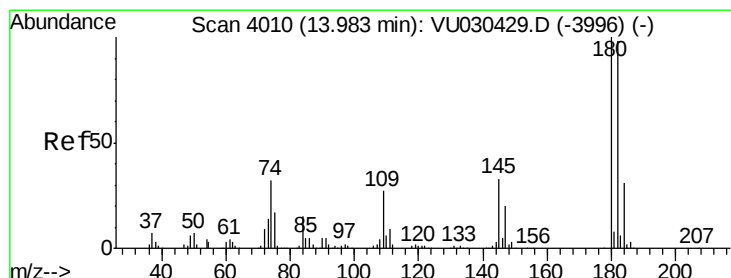
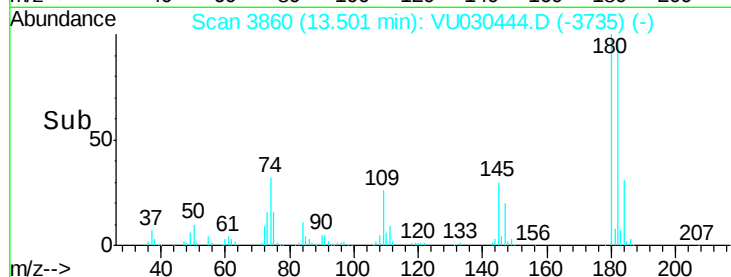
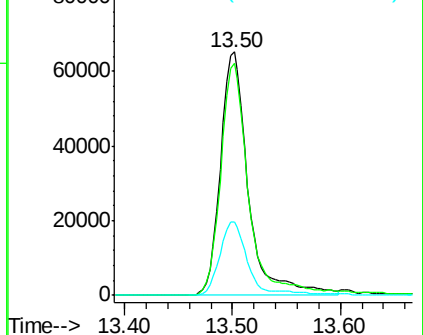
145 28.7 24.5 36.7



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: 1.589 ug/L

RT: 13.99 min Scan# 4013

Delta R.T. 0.01 min

Lab File: VU030444.D

Acq: 26 Mar 2019 15:05

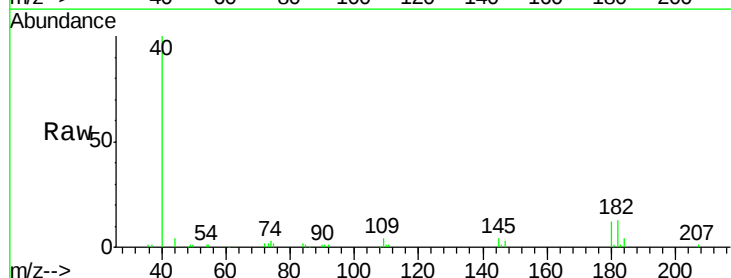
Tgt Ion:180 Resp: 6695

Ion Ratio Lower Upper

180 100

182 114.7 77.4 116.2

145 37.4 25.9 38.9



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

