

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
 Data File : VU030438.D
 Acq On : 26 Mar 2019 12:47
 Operator : JC/SP
 Sample : K2070-18 40X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F1

Quant Time: Mar 27 05:20:07 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	411109	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	392046	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	162338	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	195136	58.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	117.96%
7) Chloroethane-d5	1.68	69	154060	58.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	117.50%
11) 1,1-Dichloroethene-d2	2.27	63	271855	43.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.64%
21) 2-Butanone-d5	4.17	46	336826	108.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.30%
24) Chloroform-d	4.64	84	312660	54.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.70%
26) 1,2-Dichloroethane-d4	5.31	65	210911	56.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.08%
32) Benzene-d6	5.34	84	641306	57.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.08%
36) 1,2-Dichloropropane-d6	6.33	67	225422	58.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	117.20%
41) Toluene-d8	7.56	98	561632	55.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.24%
43) trans-1,3-Dichloropropene-	7.85	79	96916	53.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.16%
47) 2-Hexanone-d5	8.31	63	215128	103.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.21%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	295007	53.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	193775	59.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.14%

Target Compounds

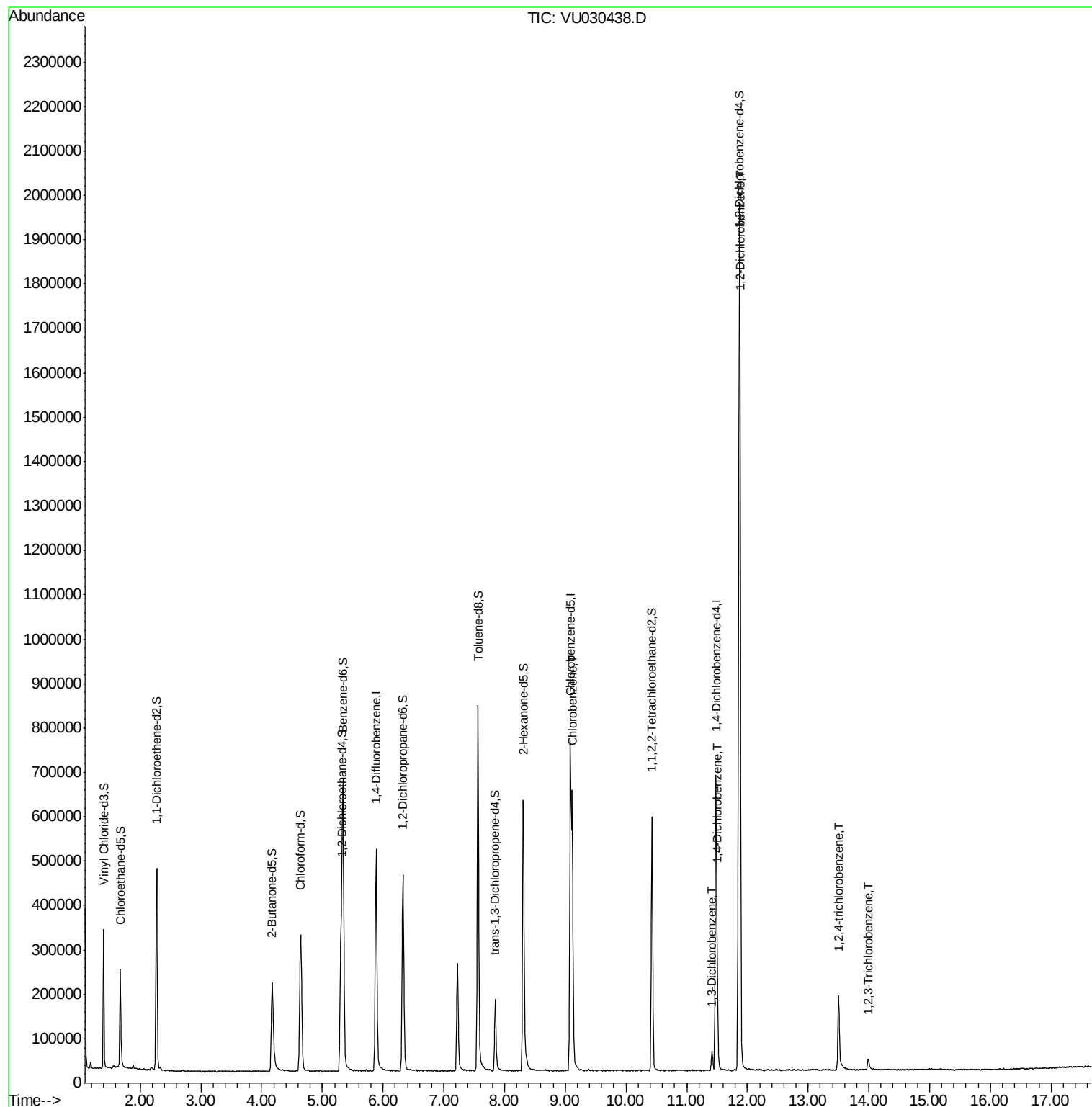
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
51) Chlorobenzene	9.12	112	308733	36.779	ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	18212	3.430	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	68725	12.575	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	685429	127.685	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	60540	17.531	ug/L	94
70) 1,2,3-Trichlorobenzene	13.99	180	9691	2.658	ug/L	92

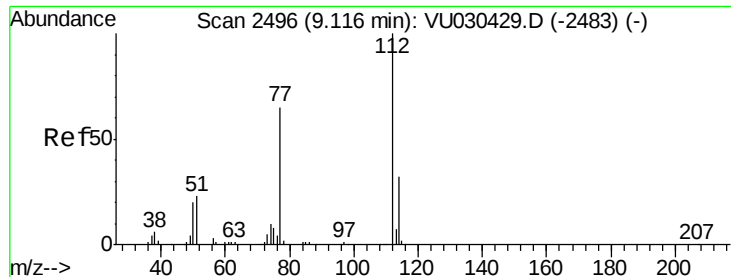
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#51

Chlorobenzene

Concen: 36.779 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

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C09F1

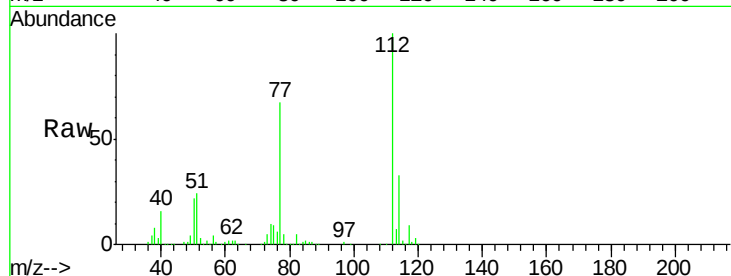
Tot Ion:112 Resp: 308733

Ion Ratio Lower Upper

112 100

114 32.9 21.5 39.9

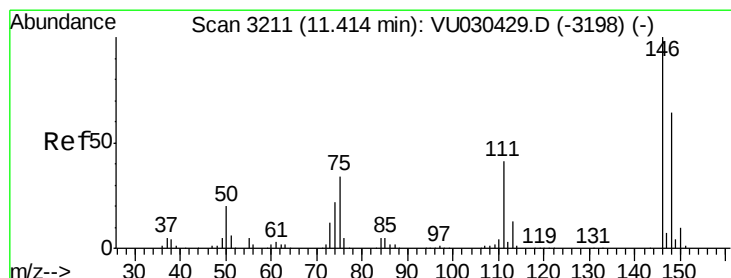
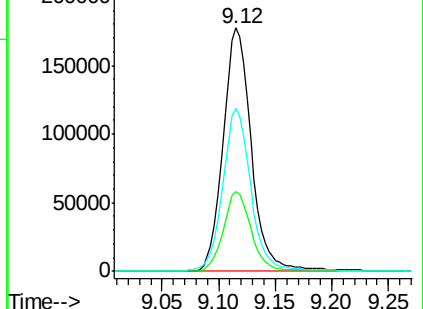
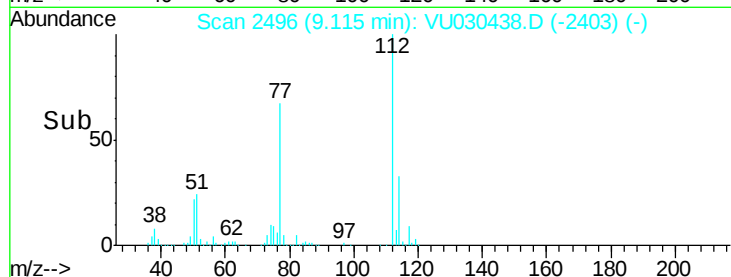
77 66.8 51.4 77.0



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): VU0



#62

1,3-Dichlorobenzene

Concen: 3.430 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030438.D

Acq: 26 Mar 2019 12:47

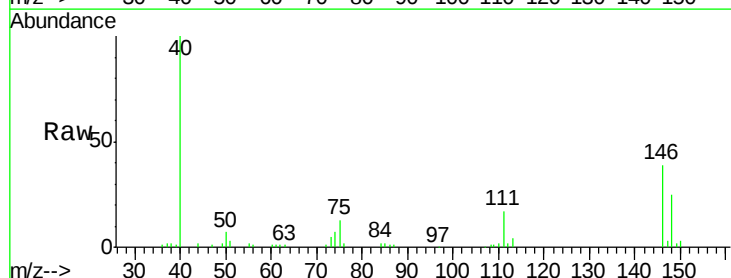
Tgt Ion:146 Resp: 18212

Ion Ratio Lower Upper

146 100

111 44.4 29.2 54.2

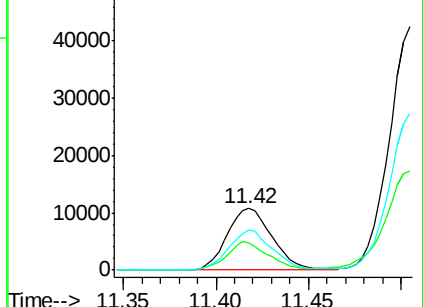
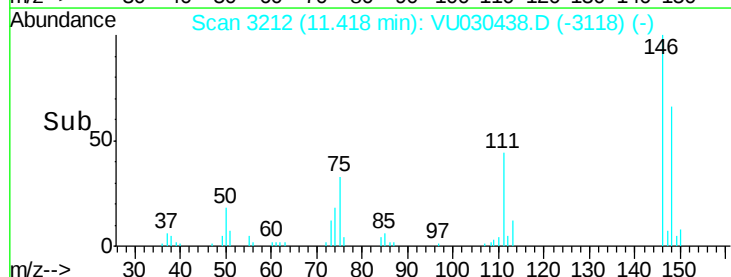
148 65.5 44.4 82.4

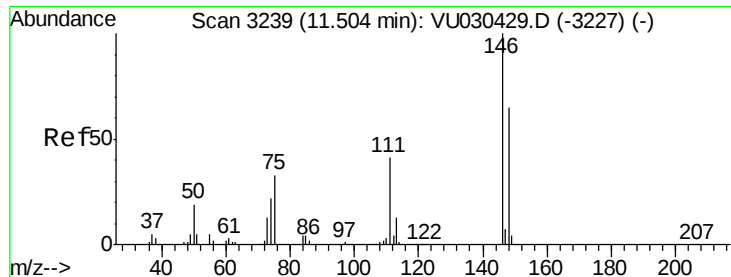


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 12.575 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030438.D

Acq: 26 Mar 2019 12:47

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ClientSampleId :

C09F1

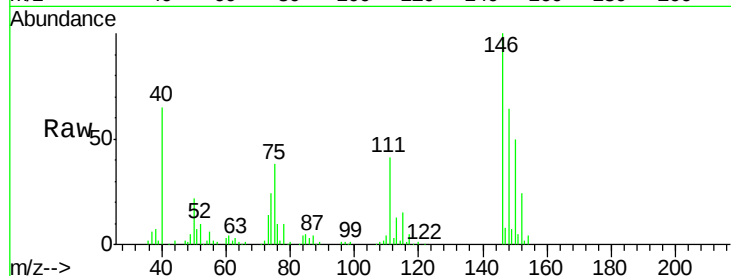
Tot Ion:146 Resp: 68725

Ion Ratio Lower Upper

146 100

111 40.8 28.7 53.3

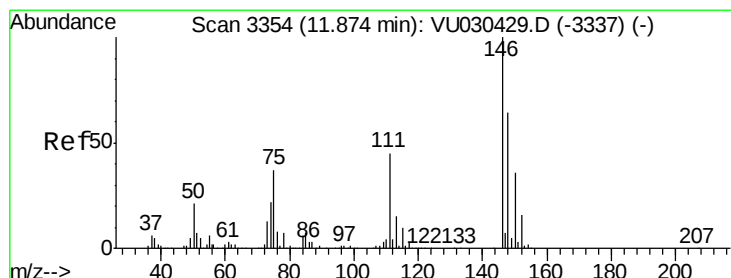
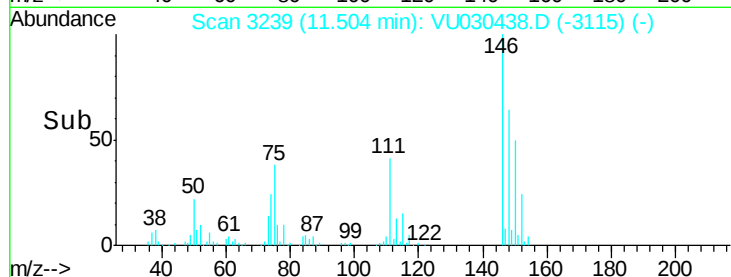
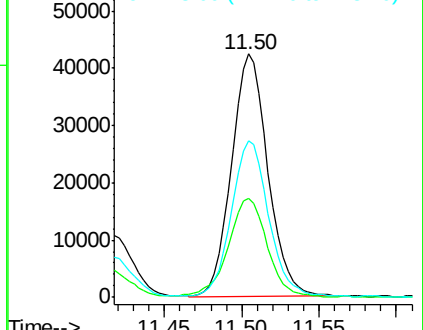
148 64.3 44.3 82.3



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: 127.685 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU030438.D

Acq: 26 Mar 2019 12:47

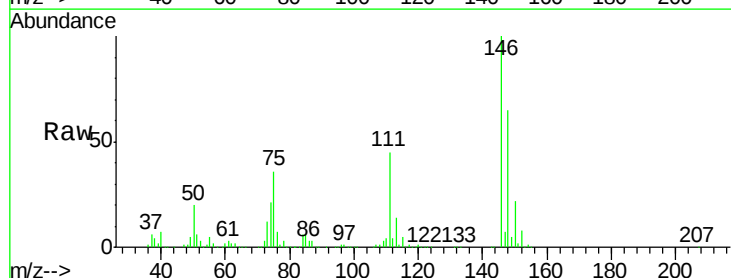
Tgt Ion:146 Resp: 685429

Ion Ratio Lower Upper

146 100

111 44.5 34.9 52.3

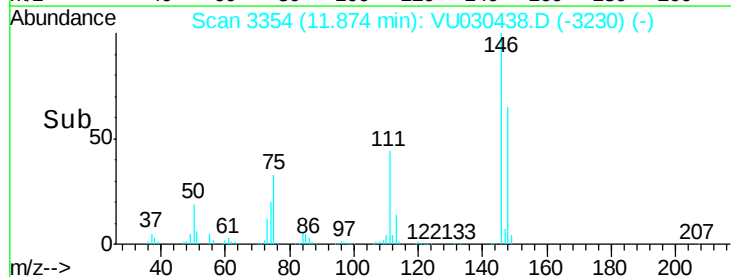
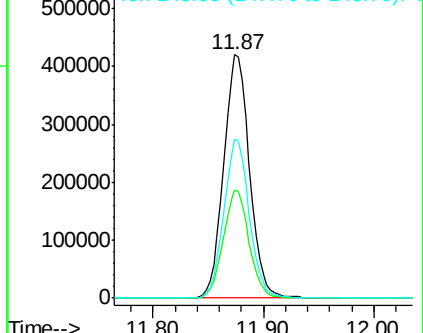
148 65.2 51.2 76.8

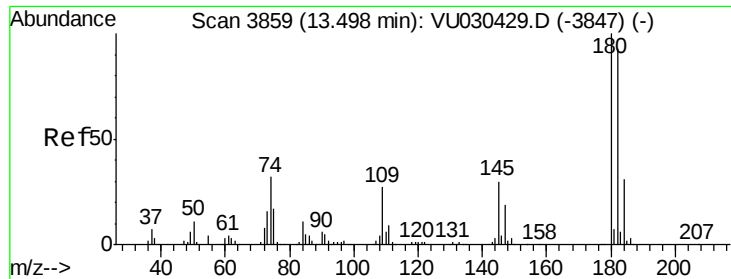


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

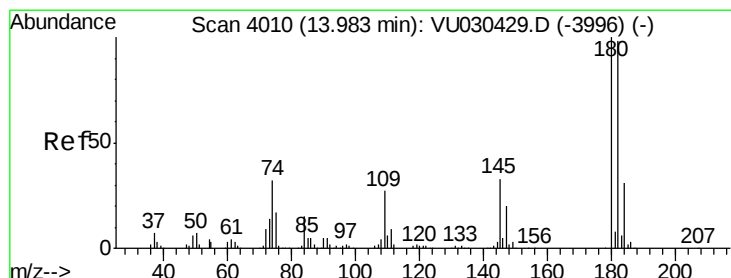
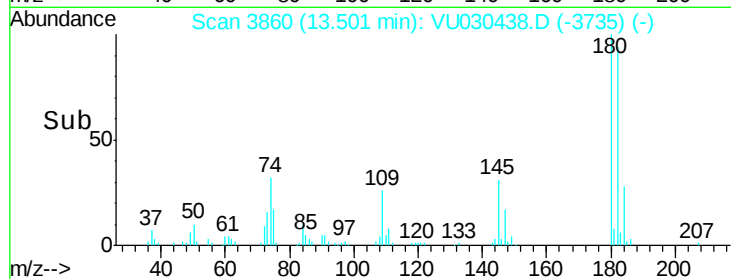
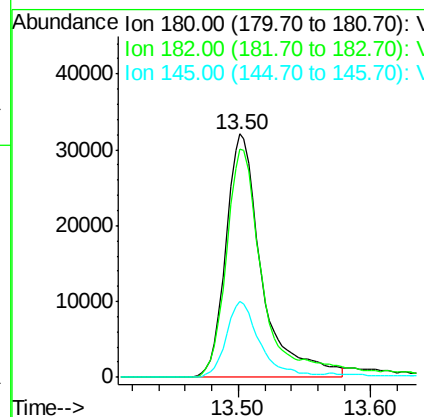
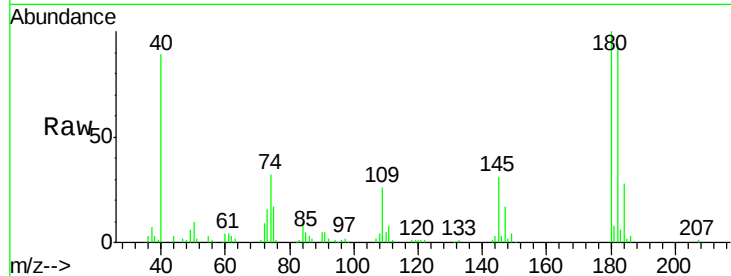




#68
 1,2,4-trichlorobenzene
 Concen: 17.531 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030438.D
 Acq: 26 Mar 2019 12:47

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F1

Tot Ion:180 Resp: 60540
 Ion Ratio Lower Upper
 180 100
 182 87.8 76.1 114.1
 145 29.4 24.5 36.7



#70
 1,2,3-Trichlorobenzene
 Concen: 2.658 ug/L
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU030438.D
 Acq: 26 Mar 2019 12:47

Tgt Ion:180 Resp: 9691
 Ion Ratio Lower Upper
 180 100
 182 107.2 77.4 116.2
 145 31.7 25.9 38.9

