

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031919\
 Data File : VU030196.D
 Acq On : 19 Mar 2019 16:00
 Operator : JC/SP
 Sample : K1918-21DL 40X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09A5DL

Quant Time: Mar 20 03:58:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 20 02:58:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	542811	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	525154	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	257157	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	193242	52.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.30%
7) Chloroethane-d5	1.68	69	157757	53.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.50%
11) 1,1-Dichloroethene-d2	2.27	63	261679	39.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.16%
21) 2-Butanone-d5	4.17	46	271735	99.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.79%
24) Chloroform-d	4.64	84	334923	49.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.44%
26) 1,2-Dichloroethane-d4	5.31	65	197027	51.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.56%
32) Benzene-d6	5.34	84	732024	52.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.80%
36) 1,2-Dichloropropane-d6	6.33	67	223543	52.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.42%
41) Toluene-d8	7.56	98	664177	51.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.08%
43) trans-1,3-Dichloropropene-	7.85	79	102426	49.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.24%
47) 2-Hexanone-d5	8.31	63	226473	101.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.99%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	324132	49.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.70%
64) 1,2-Dichlorobenzene-d4	11.85	152	265371	51.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

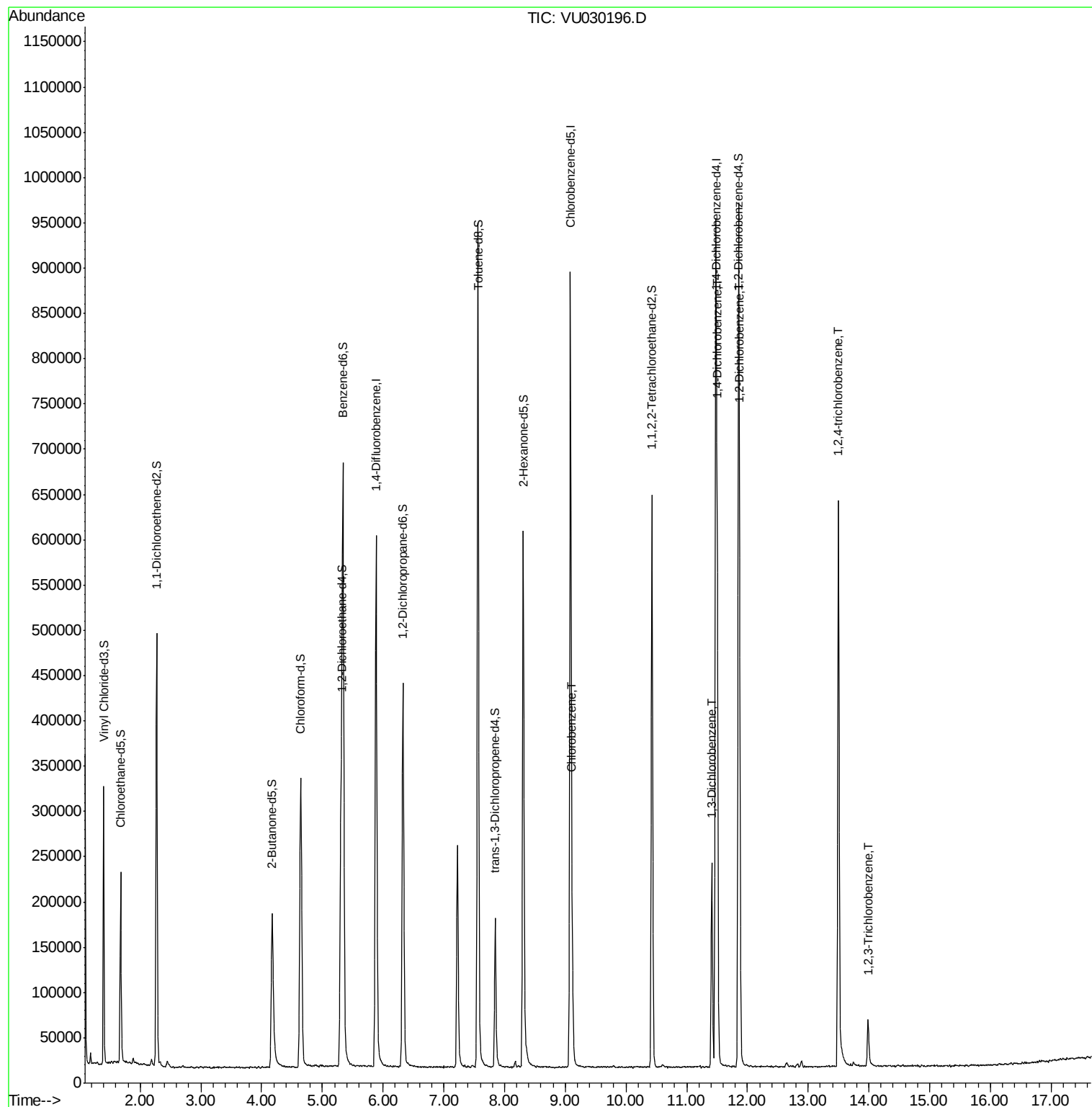
					Ovalue
51) Chlorobenzene	9.12	112	74484	6.827 ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	101241	12.340 ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	238805	28.061 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	97228	11.599 ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	231473	40.822 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	22436	3.792 ug/L	96

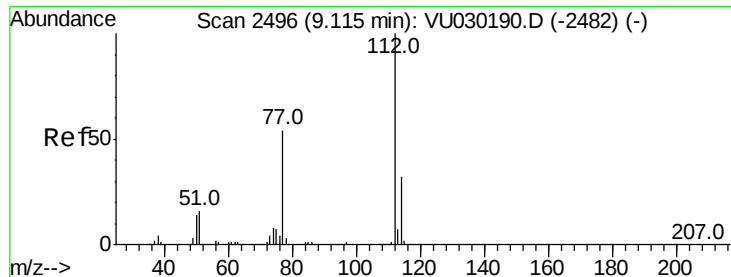
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 20 02:58:59 2019
Response via : Initial Calibration





#51

Chlorobenzene

Concen: 6.827 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030196.D

Acq: 19 Mar 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

C09A5DL

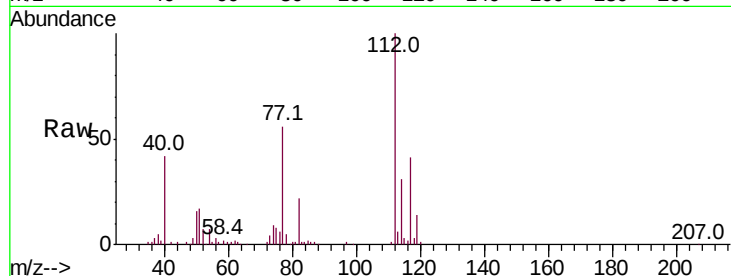
Tot Ion:112 Resp: 74484

Ion Ratio Lower Upper

112 100

114 31.3 22.5 41.7

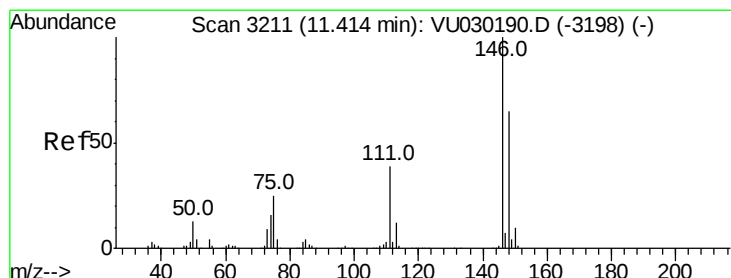
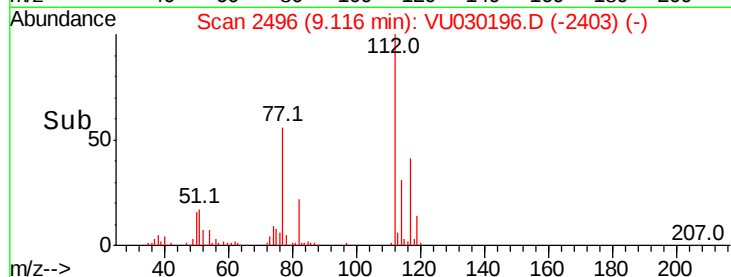
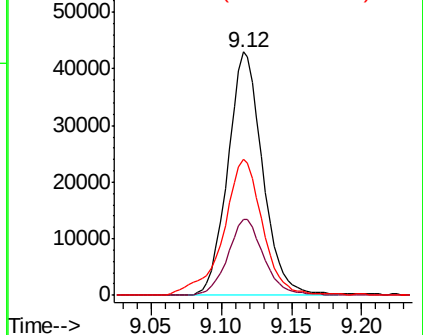
77 56.0 43.4 65.0



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: 12.340 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030196.D

Acq: 19 Mar 2019 16:00

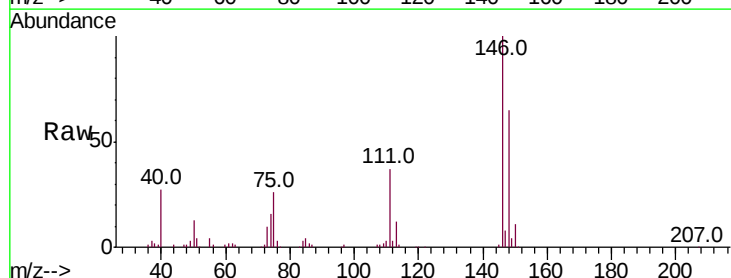
Tgt Ion:146 Resp: 101241

Ion Ratio Lower Upper

146 100

111 36.9 27.2 50.4

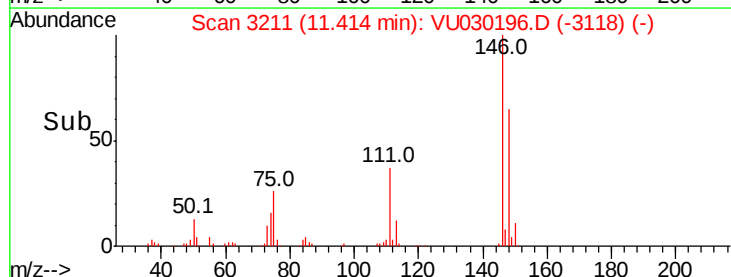
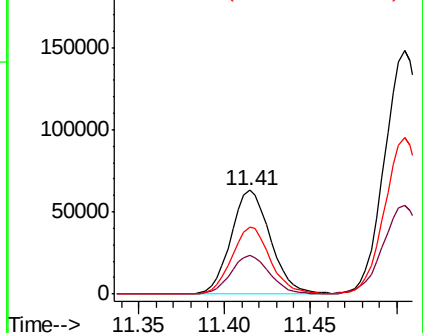
148 64.9 44.4 82.5

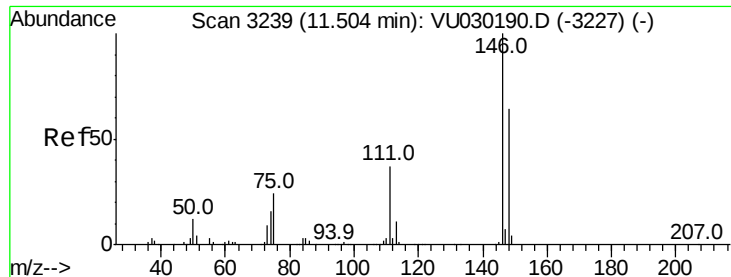


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

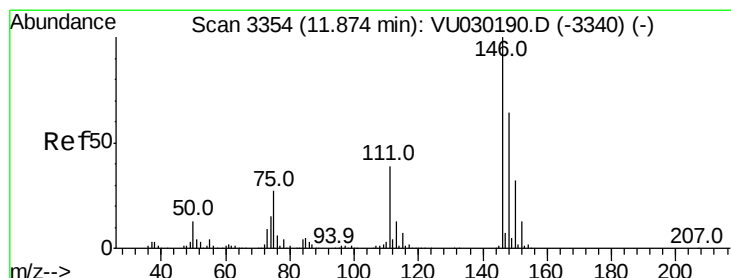
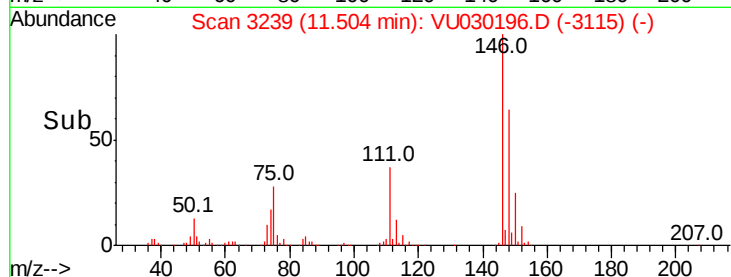
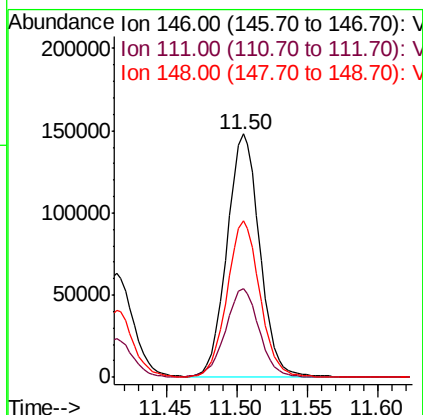
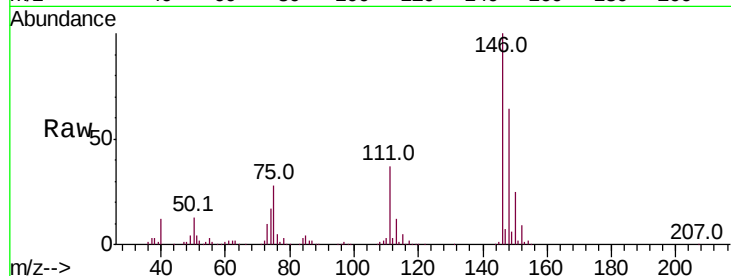




#63
 1,4-Dichlorobenzene
 Concen: 28.061 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030196.D
 Acq: 19 Mar 2019 16:00

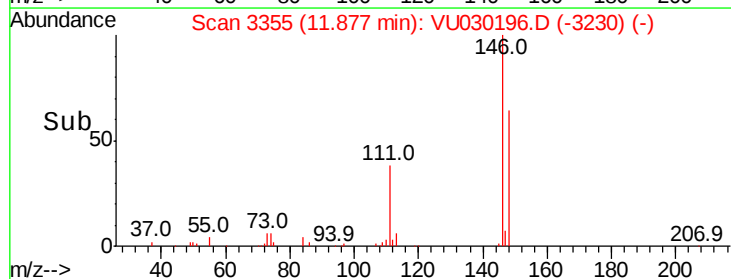
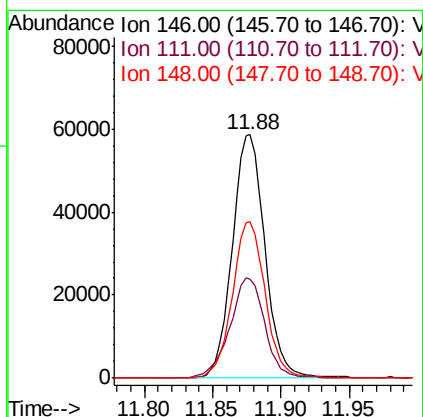
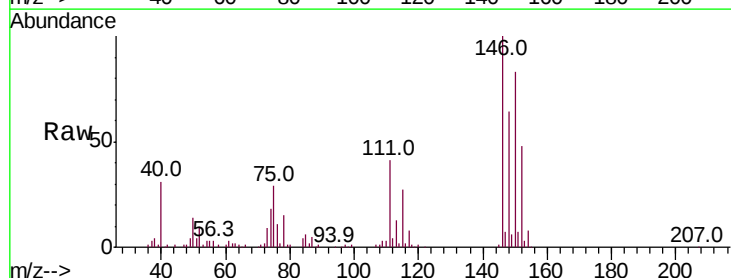
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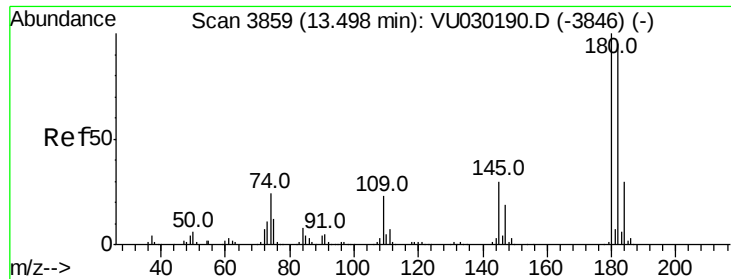
Tot Ion:146 Resp: 238805
 Ion Ratio Lower Upper
 146 100
 111 36.6 25.3 46.9
 148 64.1 44.7 82.9



#65
 1,2-Dichlorobenzene
 Concen: 11.599 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030196.D
 Acq: 19 Mar 2019 16:00

Tgt Ion:146 Resp: 97228
 Ion Ratio Lower Upper
 146 100
 111 40.8 31.7 47.5
 148 64.2 52.0 78.0

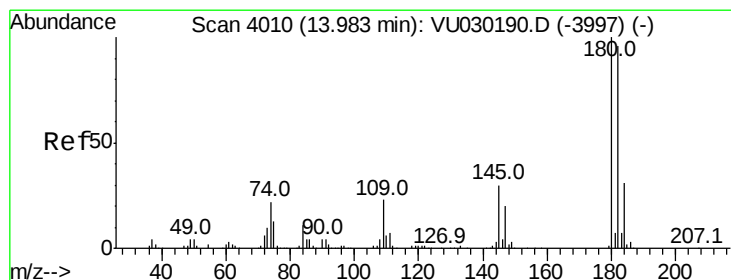
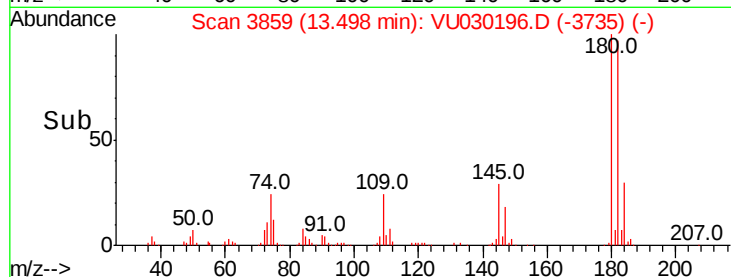
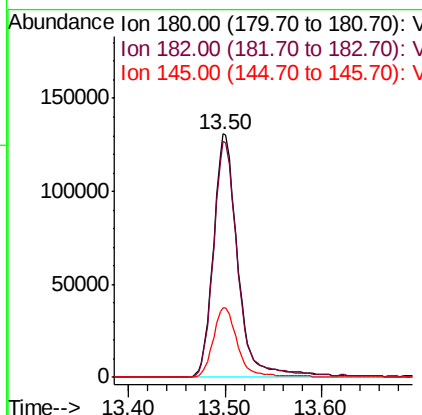
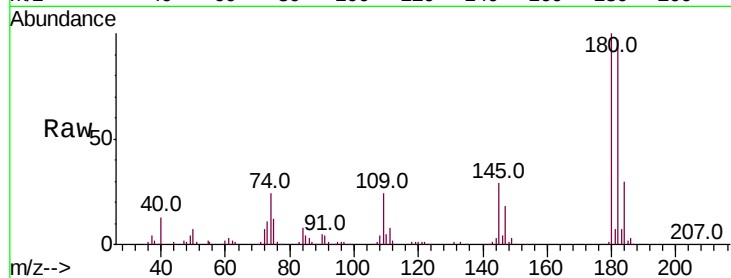




#68
 1,2,4-trichlorobenzene
 Concen: 40.822 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU030196.D
 Acq: 19 Mar 2019 16:00

Instrument :
 MSVOA_U
 ClientSampleId :
 C09A5DL

Tot Ion:180 Resp: 231473
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.4 114.6
 145 28.8 22.7 34.1



#70
 1,2,3-Trichlorobenzene
 Concen: 3.792 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030196.D
 Acq: 19 Mar 2019 16:00

Tgt Ion:180 Resp: 22436
 Ion Ratio Lower Upper
 180 100
 182 90.3 75.9 113.9
 145 31.3 24.1 36.1

