

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
 Data File : VU030451.D
 Acq On : 26 Mar 2019 18:18
 Operator : JC/SP
 Sample : K2022-13 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D0

Quant Time: Mar 27 06:55:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 06:00:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	450750	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	427763	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	177035	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	174346	48.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.12%
7) Chloroethane-d5	1.67	69	141392	49.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.34%
11) 1,1-Dichloroethene-d2	2.27	63	246751	35.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.72%
21) 2-Butanone-d5	4.17	46	348120	102.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.09%
24) Chloroform-d	4.64	84	304584	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.46%
26) 1,2-Dichloroethane-d4	5.31	65	209400	51.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.40%
32) Benzene-d6	5.34	84	610887	49.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.33	67	221982	52.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.78%
41) Toluene-d8	7.56	98	530156	48.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.24%
43) trans-1,3-Dichloropropene-	7.85	79	93207	47.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.46%
47) 2-Hexanone-d5	8.31	63	222216	97.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303218	50.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.98%
64) 1,2-Dichlorobenzene-d4	11.85	152	185768	52.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.74%

Target Compounds

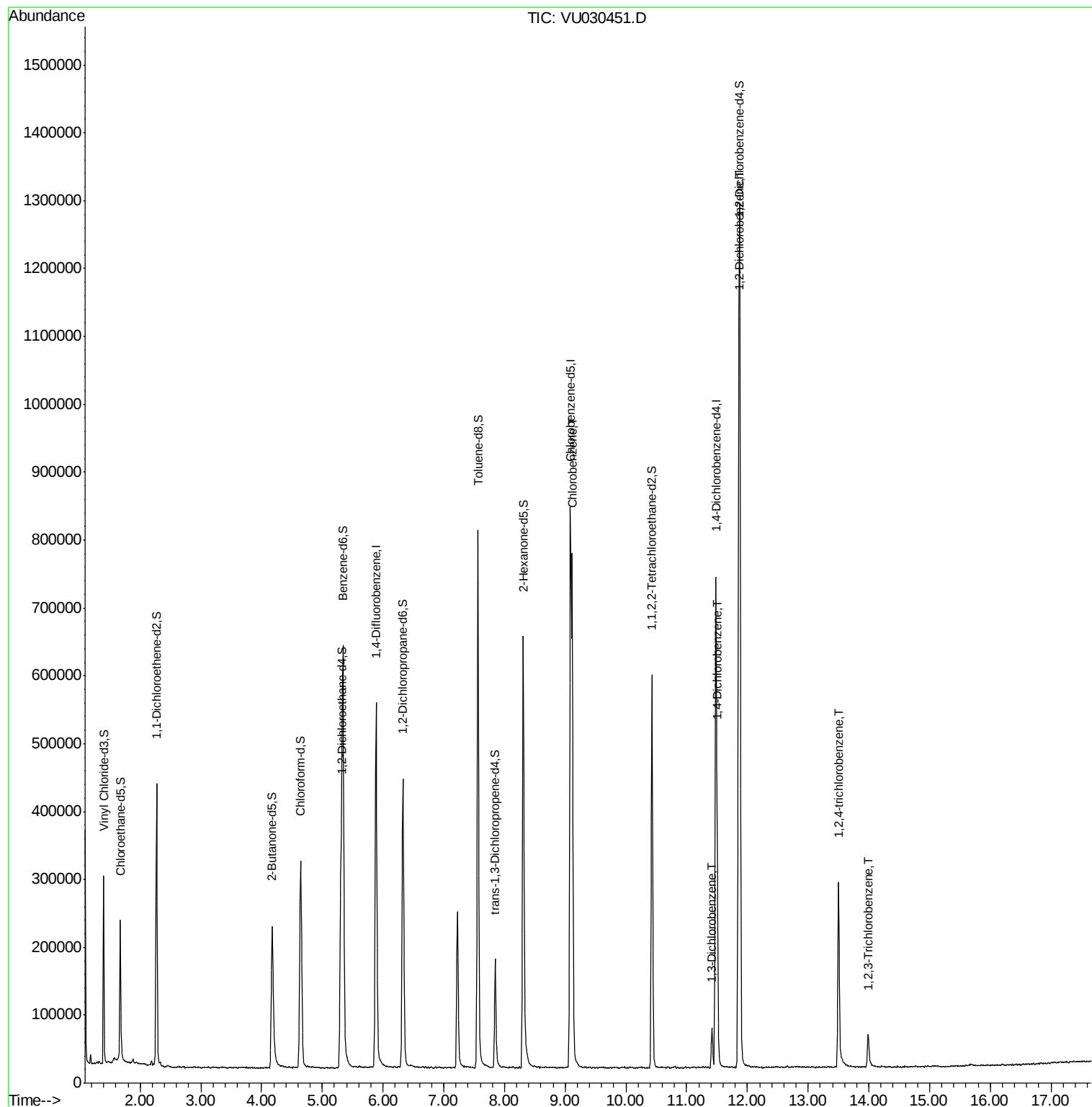
					Ovalue
51) Chlorobenzene	9.12	112	371533	40.565 ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	23601	4.077 ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	101287	16.994 ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	420404	71.813 ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	86824	23.056 ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	17250	4.338 ug/L	94

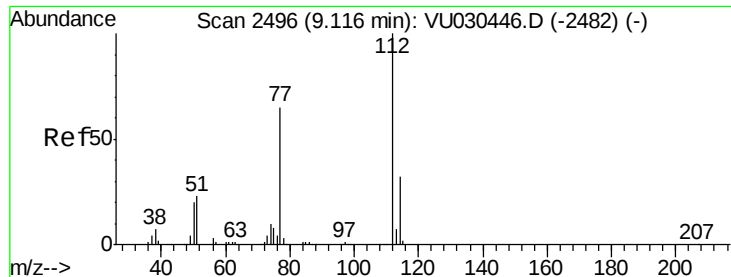
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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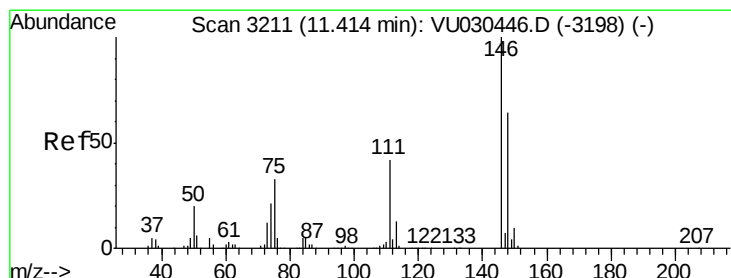
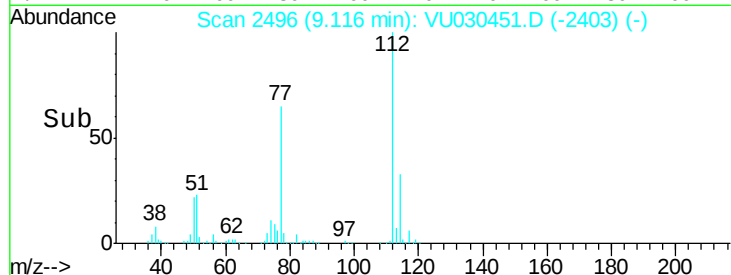
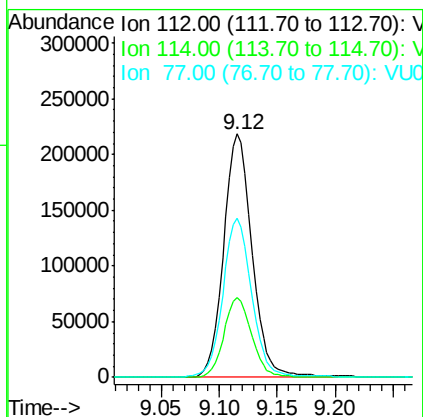
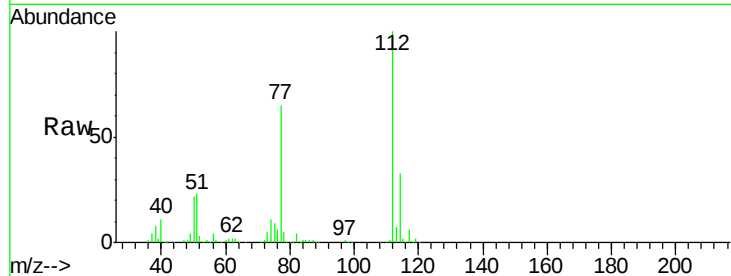




#51
Chlorobenzene
Concen: 40.565 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030451.D
Acq: 26 Mar 2019 18:18

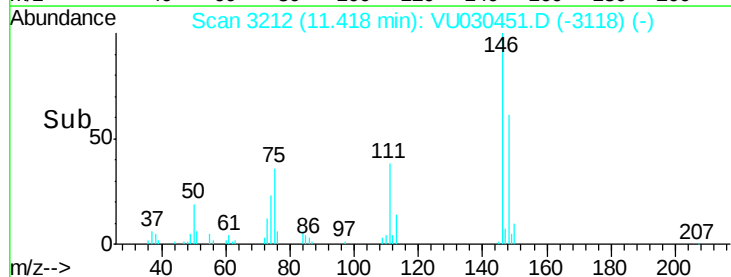
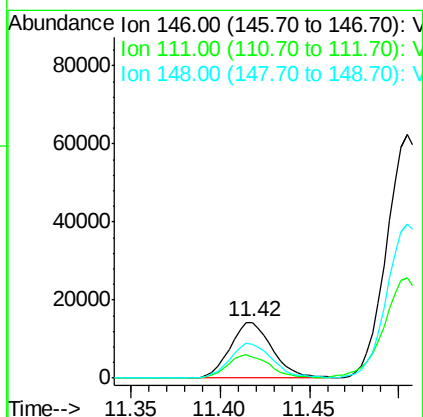
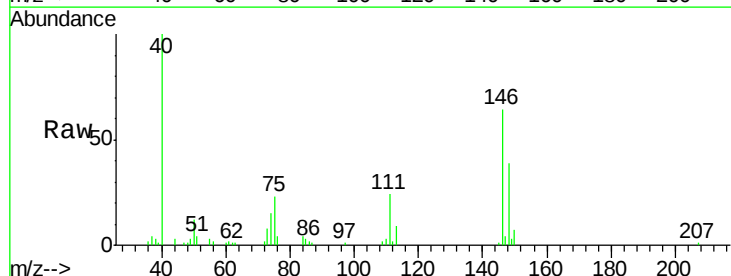
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MSVOA_U
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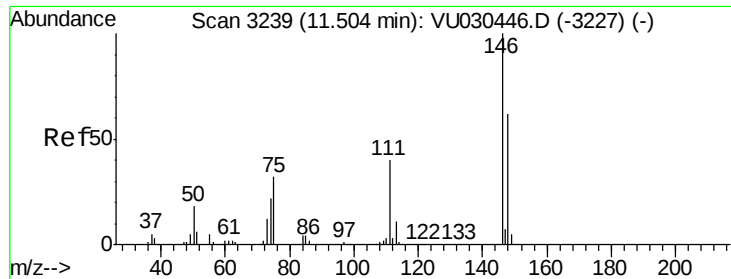
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	21.5	39.9
77	65.1	51.4	77.0



#62
1,3-Dichlorobenzene
Concen: 4.077 ug/L
RT: 11.42 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VU030451.D
Acq: 26 Mar 2019 18:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	29.2	54.2
148	61.4	44.4	82.4

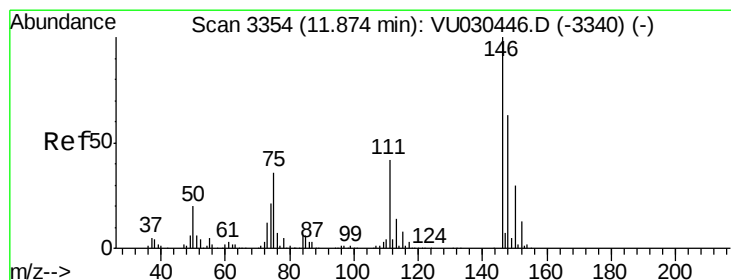
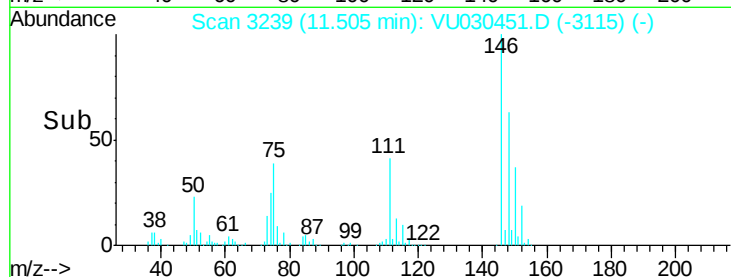
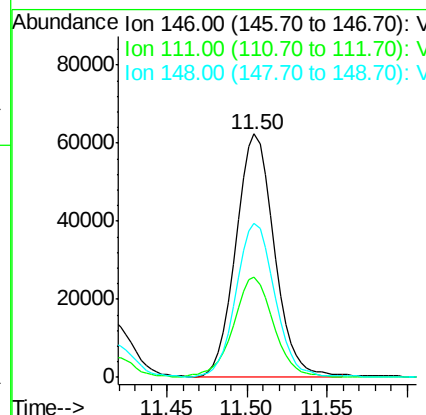
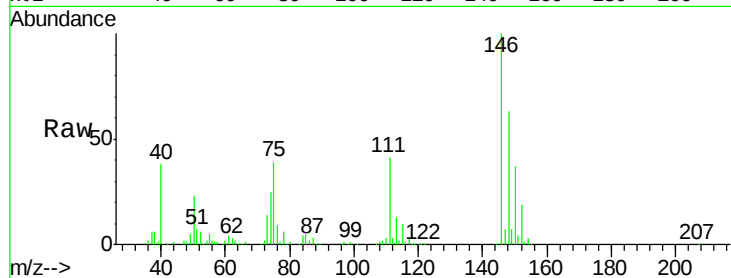




#63
 1,4-Dichlorobenzene
 Concen: 16.994 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030451.D
 Acq: 26 Mar 2019 18:18

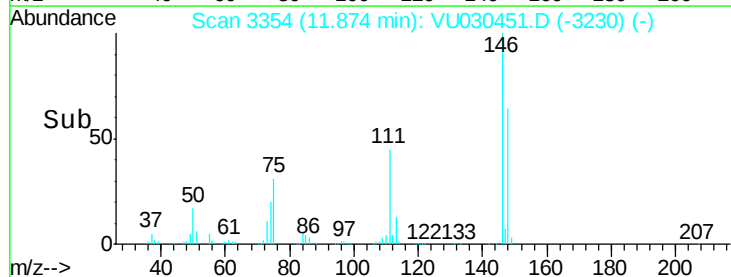
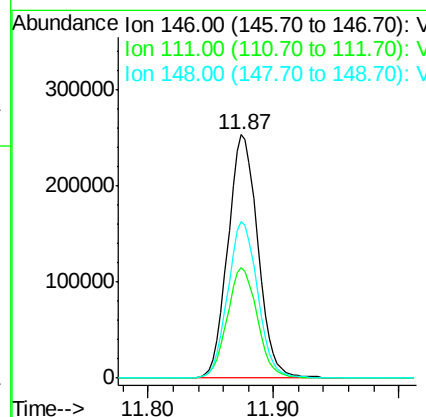
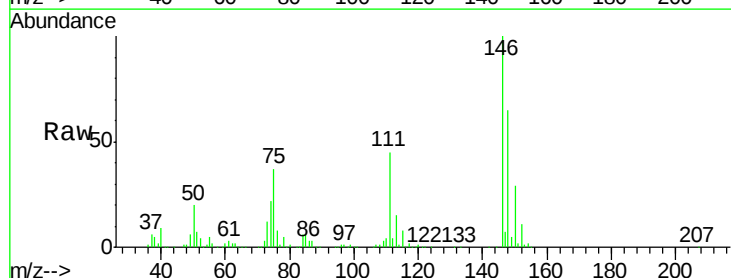
Instrument :
 MSVOA_U
 ClientSampleID :
 C09D0

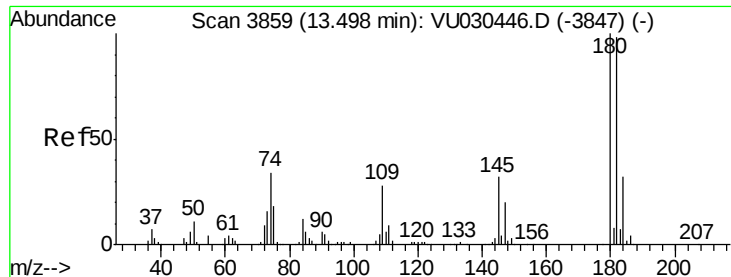
Tot Ion:146 Resp: 101287
 Ion Ratio Lower Upper
 146 100
 111 40.9 28.7 53.3
 148 63.3 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 71.813 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030451.D
 Acq: 26 Mar 2019 18:18

Tgt Ion:146 Resp: 420404
 Ion Ratio Lower Upper
 146 100
 111 45.5 34.9 52.3
 148 64.5 51.2 76.8

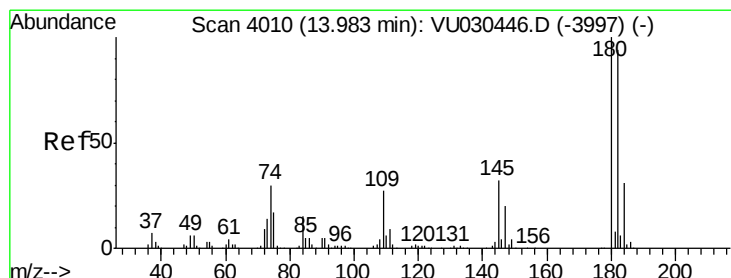
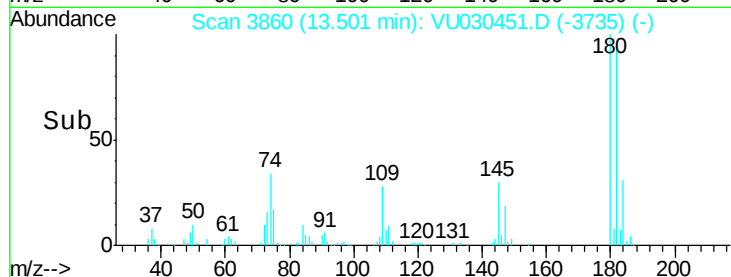
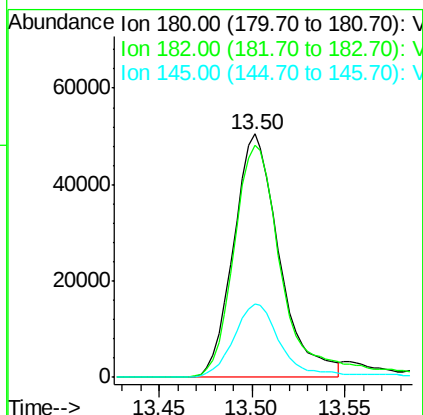
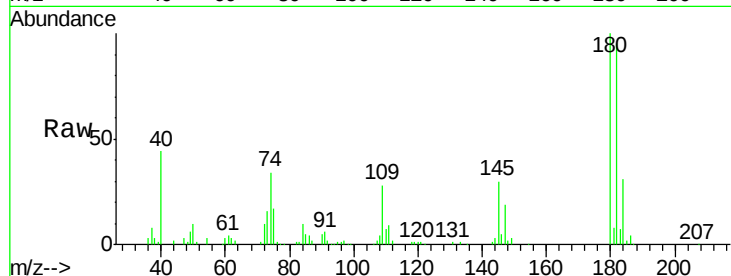




#68
 1,2,4-trichlorobenzene
 Concen: 23.056 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030451.D
 Acq: 26 Mar 2019 18:18

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D0

Tot Ion:180 Resp: 86824
 Ion Ratio Lower Upper
 180 100
 182 99.4 76.1 114.1
 145 30.8 24.5 36.7



#70
 1,2,3-Trichlorobenzene
 Concen: 4.338 ug/L
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU030451.D
 Acq: 26 Mar 2019 18:18

Tgt Ion:180 Resp: 17250
 Ion Ratio Lower Upper
 180 100
 182 104.8 77.4 116.2
 145 32.4 25.9 38.9

