

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
 Data File : VU030455.D
 Acq On : 26 Mar 2019 19:53
 Operator : JC/SP
 Sample : K2022-17 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F2

Quant Time: Mar 27 07:30:04 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	446146	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	421618	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	174687	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	171310	47.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.42%
7) Chloroethane-d5	1.67	69	143122	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.58%
11) 1,1-Dichloroethene-d2	2.27	63	247419	36.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.66%
21) 2-Butanone-d5	4.17	46	365377	108.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.25%
24) Chloroform-d	4.64	84	309555	50.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.08%
26) 1,2-Dichloroethane-d4	5.31	65	209960	51.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.74%
32) Benzene-d6	5.34	84	611114	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.08%
36) 1,2-Dichloropropane-d6	6.33	67	221897	53.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.28%
41) Toluene-d8	7.56	98	528887	48.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.42%
43) trans-1,3-Dichloropropene-	7.85	79	95963	49.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.66%
47) 2-Hexanone-d5	8.31	63	235224	104.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303266	51.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.46%
64) 1,2-Dichlorobenzene-d4	11.86	152	182898	52.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.50%

Target Compounds

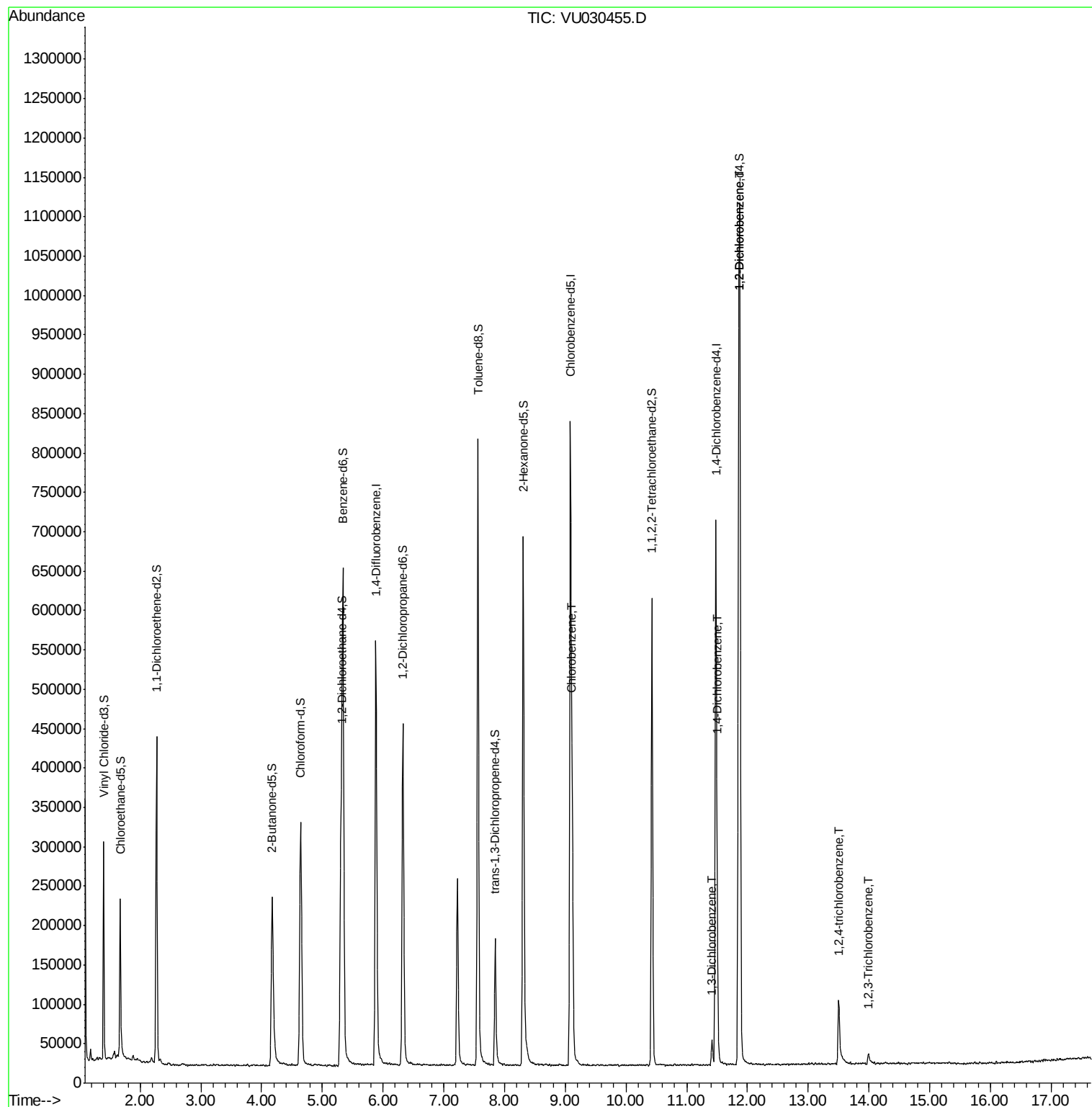
					Ovalue
51) Chlorobenzene	9.12	112	193477	21.432 ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	12832	2.246 ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	54356	9.242 ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	351778	60.898 ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	30968	8.334 ug/L	95
70) 1,2,3-Trichlorobenzene	14.00	180	5686	1.449 ug/L #	93

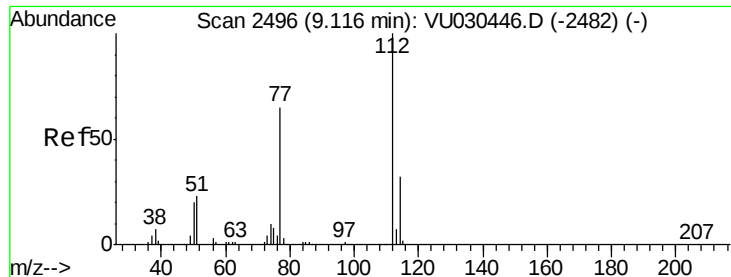
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration





#51

Chlorobenzene

Concen: 21.432 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030455.D

Acq: 26 Mar 2019 19:53

Instrument :

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C09F2

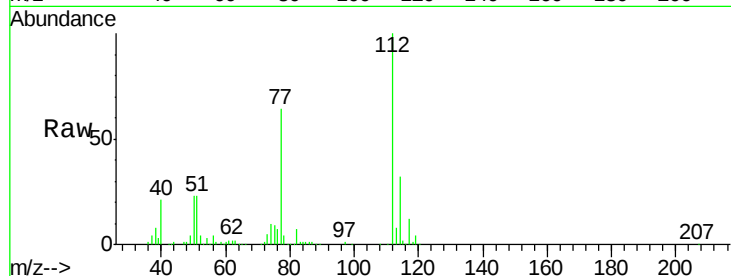
Tot Ion:112 Resp: 193477

Ion Ratio Lower Upper

112 100

114 32.4 21.5 39.9

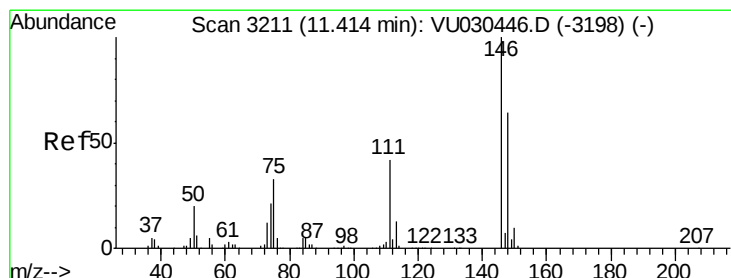
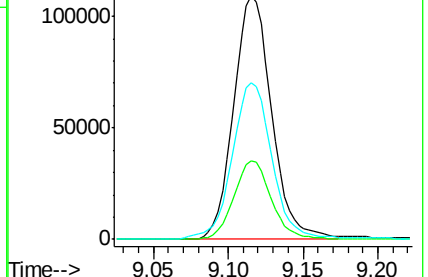
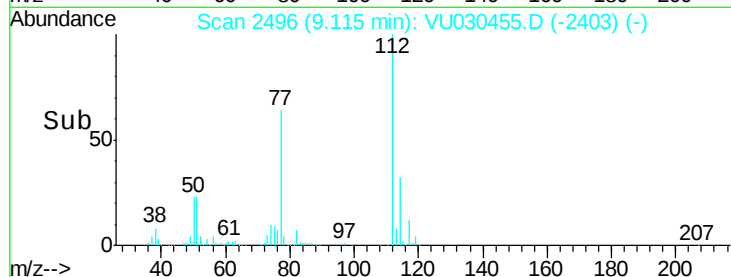
77 64.3 51.4 77.0



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: 2.246 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030455.D

Acq: 26 Mar 2019 19:53

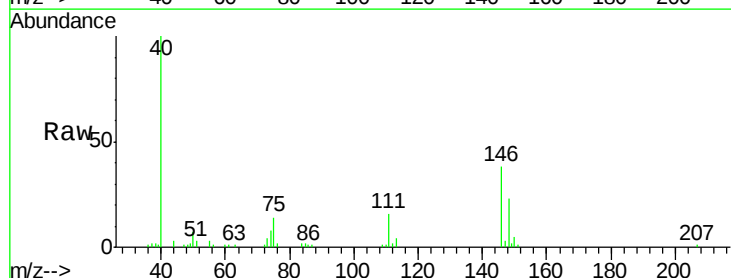
Tgt Ion:146 Resp: 12832

Ion Ratio Lower Upper

146 100

111 41.2 29.2 54.2

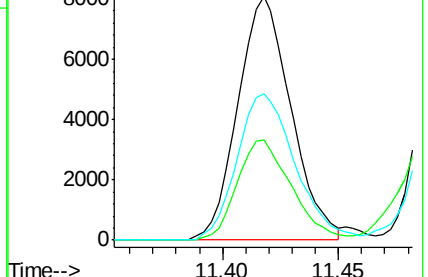
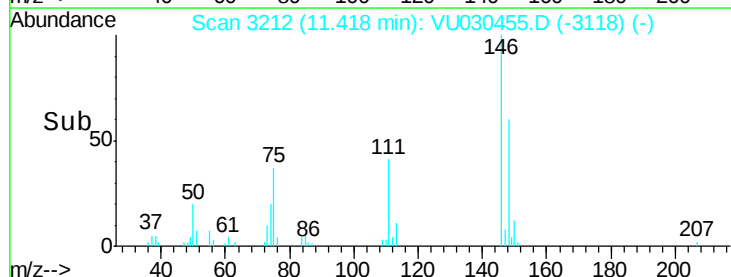
148 60.0 44.4 82.4

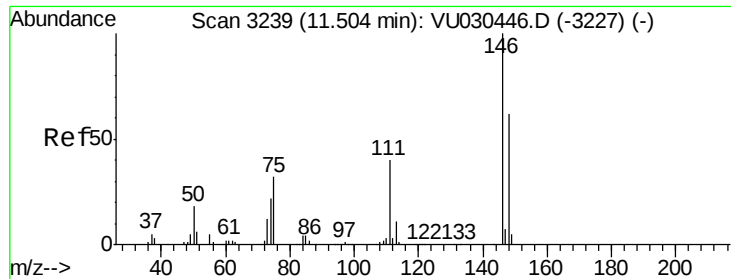


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

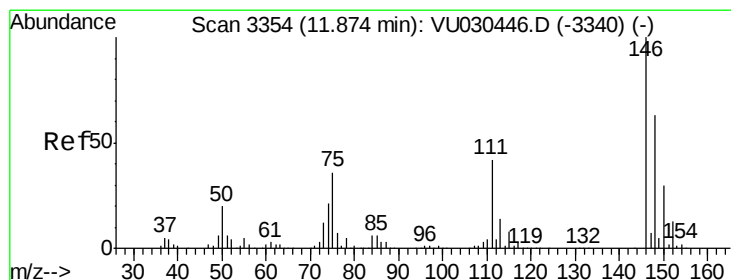
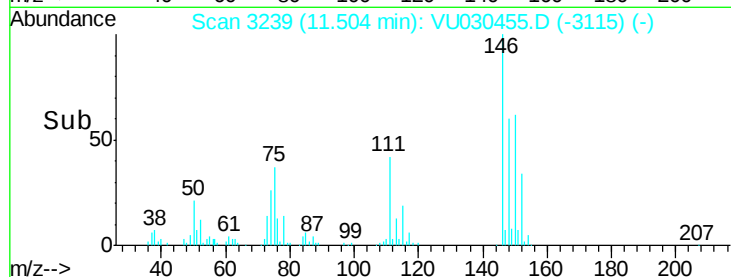
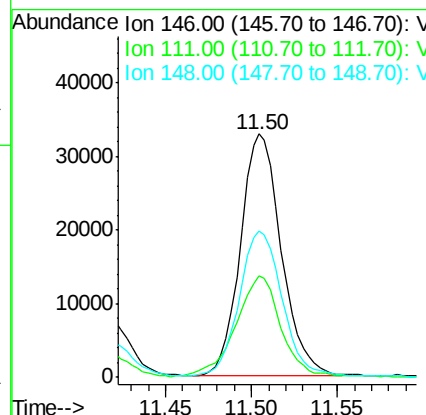
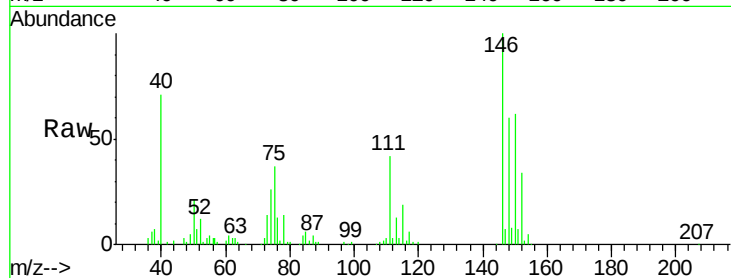




#63
1,4-Dichlorobenzene
Concen: 9.242 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. -0.00 min
Lab File: VU030455.D
Acq: 26 Mar 2019 19:53

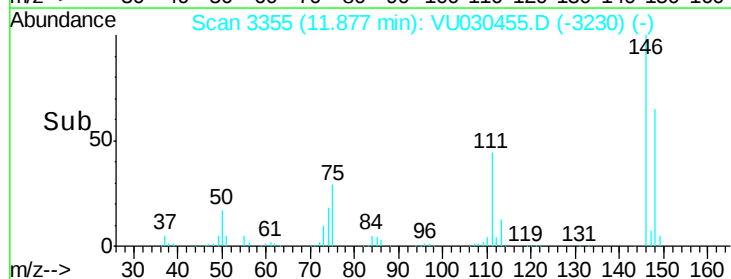
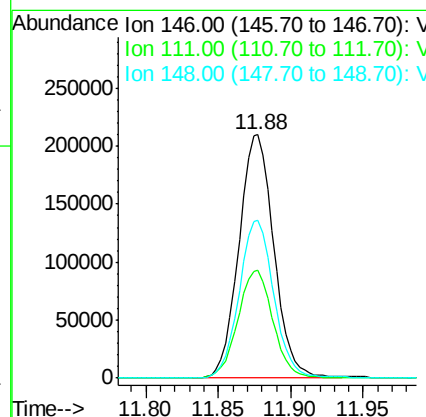
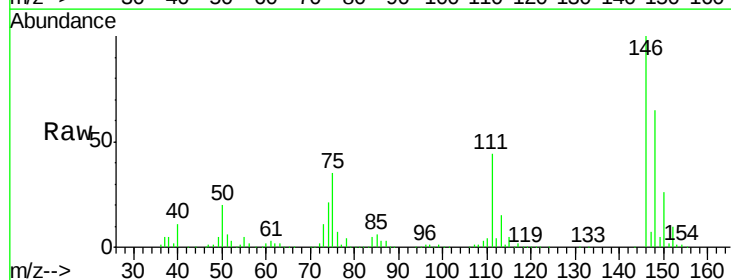
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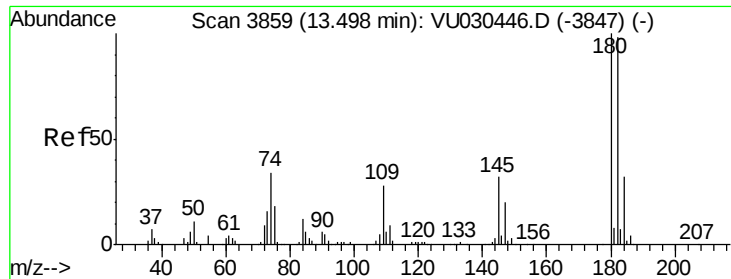
Tot Ion:146 Resp: 54356
Ion Ratio Lower Upper
146 100
111 41.5 28.7 53.3
148 60.1 44.3 82.3



#65
1,2-Dichlorobenzene
Concen: 60.898 ug/L
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU030455.D
Acq: 26 Mar 2019 19:53

Tgt Ion:146 Resp: 351778
Ion Ratio Lower Upper
146 100
111 44.1 34.9 52.3
148 64.7 51.2 76.8

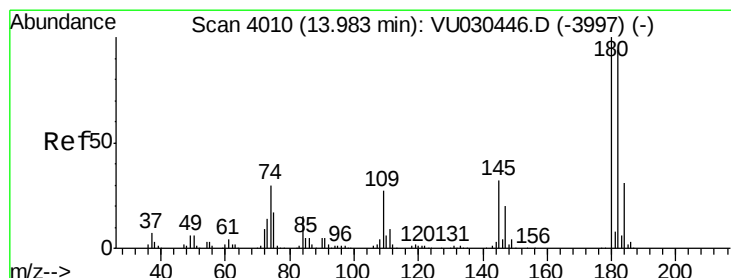
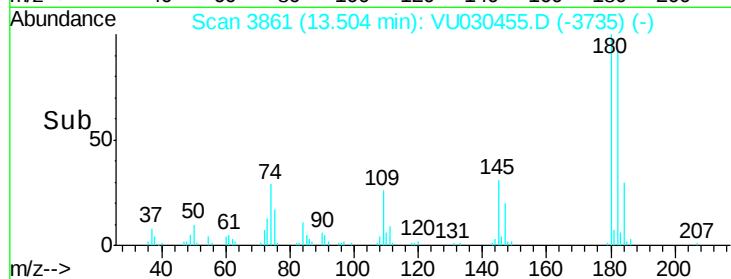
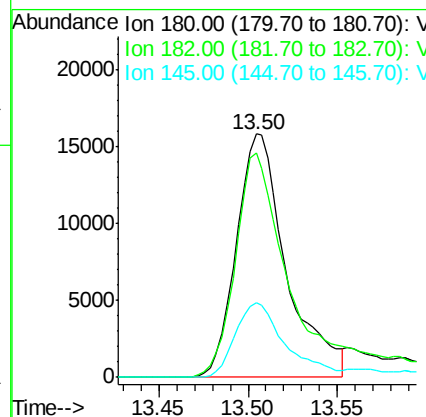
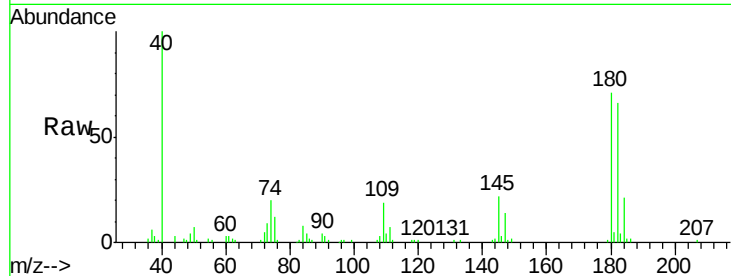




#68
 1,2,4-trichlorobenzene
 Concen: 8.334 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU030455.D
 Acq: 26 Mar 2019 19:53

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F2

Tot Ion:180 Resp: 30968
 Ion Ratio Lower Upper
 180 100
 182 101.0 76.1 114.1
 145 30.4 24.5 36.7



#70
 1,2,3-Trichlorobenzene
 Concen: 1.449 ug/L
 RT: 14.00 min Scan# 4015
 Delta R.T. 0.02 min
 Lab File: VU030455.D
 Acq: 26 Mar 2019 19:53

Tgt Ion:180 Resp: 5686
 Ion Ratio Lower Upper
 180 100
 182 99.0 77.4 116.2
 145 20.1 25.9 38.9#

