

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU032219\
 Data File : VU030302.D
 Acq On : 22 Mar 2019 12:50
 Operator : JC/SP
 Sample : K2022-08DL 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09C8DL

Quant Time: Mar 23 12:55:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 02:31:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	523792	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	517769	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	241776	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	146539	41.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.74%
7) Chloroethane-d5	1.68	69	128597	45.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.82%
11) 1,1-Dichloroethene-d2	2.27	63	205437	31.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.58%
21) 2-Butanone-d5	4.17	46	257377	97.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.95%
24) Chloroform-d	4.65	84	293804	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.31	65	170724	46.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.10%
32) Benzene-d6	5.34	84	619410	45.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.33	67	198739	47.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.14%
41) Toluene-d8	7.56	98	550093	42.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.76%
43) trans-1,3-Dichloropropene-	7.85	79	88727	43.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.32%
47) 2-Hexanone-d5	8.31	63	205813	94.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.01%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	302505	46.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.42%
64) 1,2-Dichlorobenzene-d4	11.86	152	235296	48.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.94%

Target Compounds

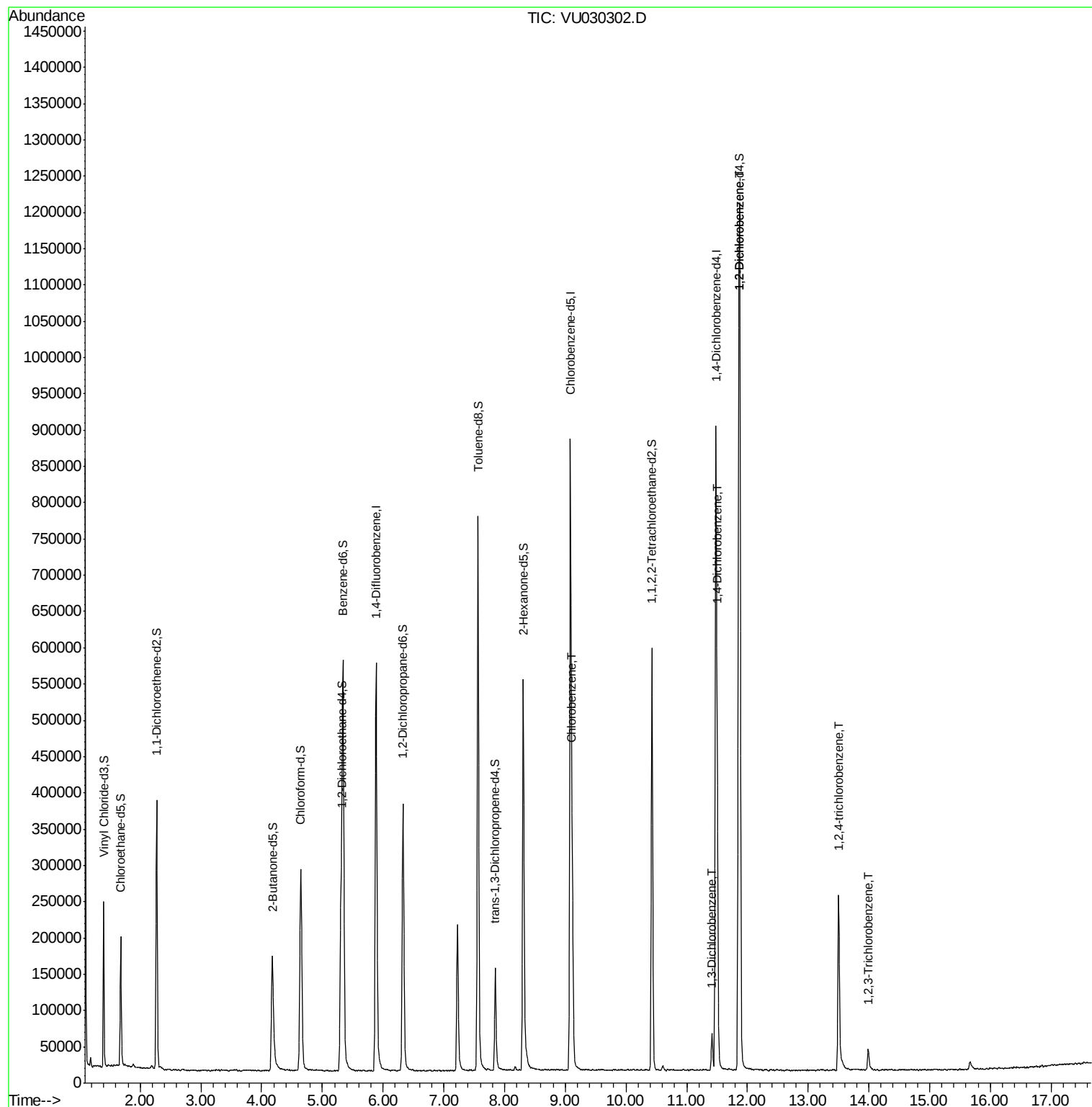
					Ovalue
51) Chlorobenzene	9.12	112	182051	16.924	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	24185	3.135	ug/L 99
63) 1,4-Dichlorobenzene	11.50	146	161724	20.212	ug/L 98
65) 1,2-Dichlorobenzene	11.88	146	436754	55.418	ug/L 98
68) 1,2,4-trichlorobenzene	13.50	180	96536	18.108	ug/L 97
70) 1,2,3-Trichlorobenzene	13.99	180	13294	2.390	ug/L 96

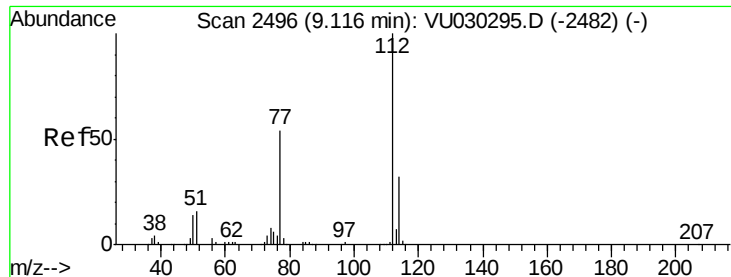
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Mar 23 02:31:55 2019
Response via : Initial Calibration





#51

Chlorobenzene

Concen: 16.924 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030302.D

Acq: 22 Mar 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

C09C8DL

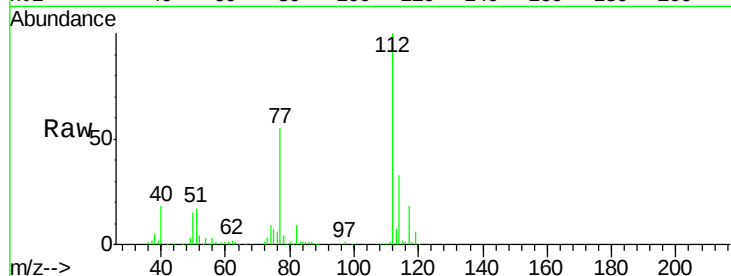
Tot Ion:112 Resp: 182051

Ion Ratio Lower Upper

112 100

114 32.6 22.5 41.7

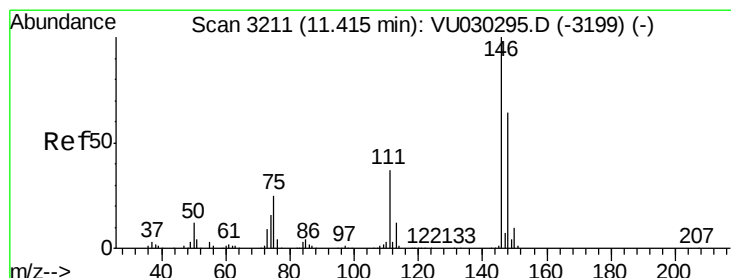
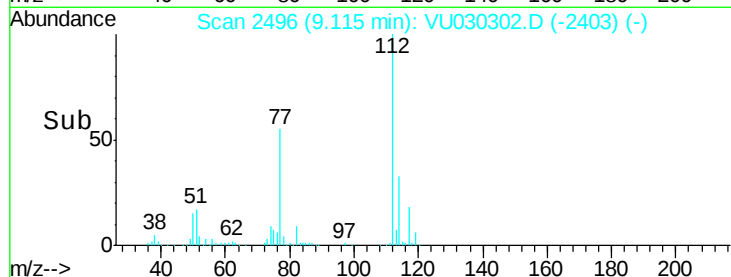
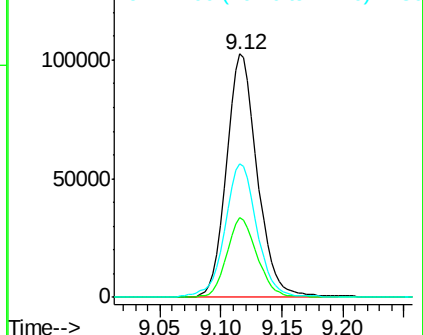
77 55.0 43.4 65.0



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): VU0



#62

1,3-Dichlorobenzene

Concen: 3.135 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030302.D

Acq: 22 Mar 2019 12:50

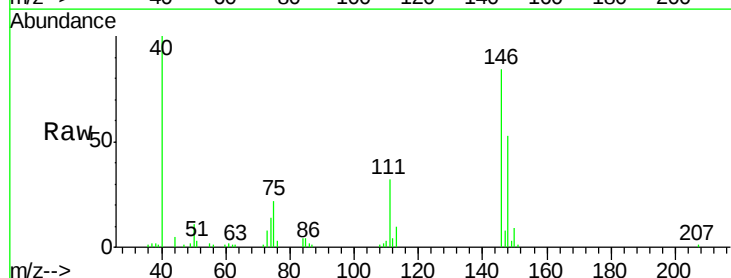
Tgt Ion:146 Resp: 24185

Ion Ratio Lower Upper

146 100

111 38.2 27.2 50.4

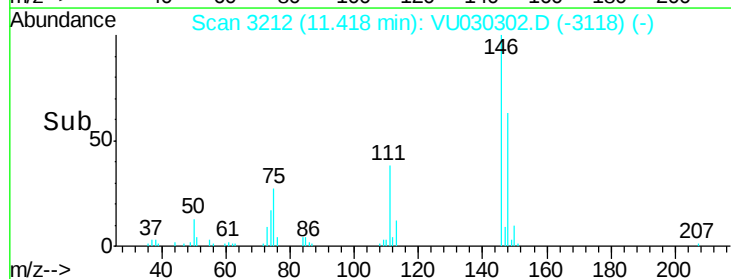
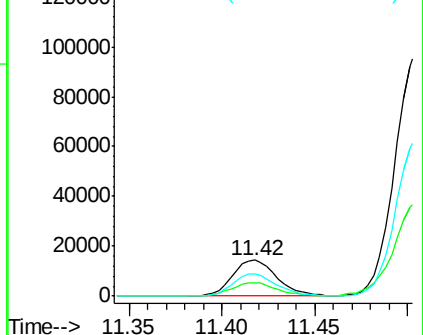
148 62.6 44.4 82.5

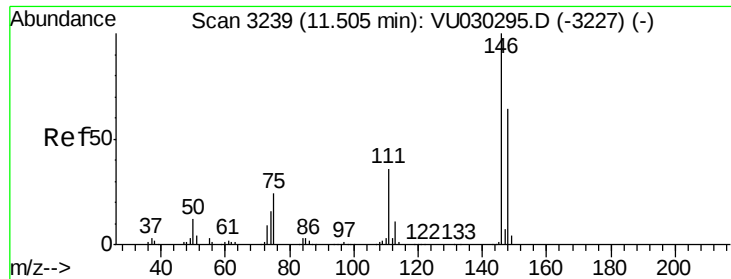


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

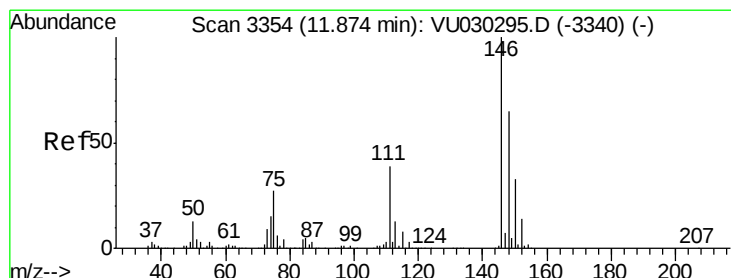
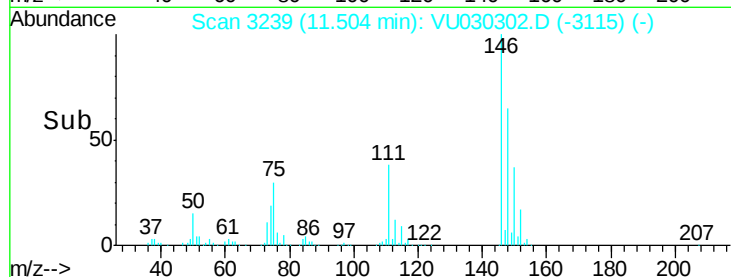
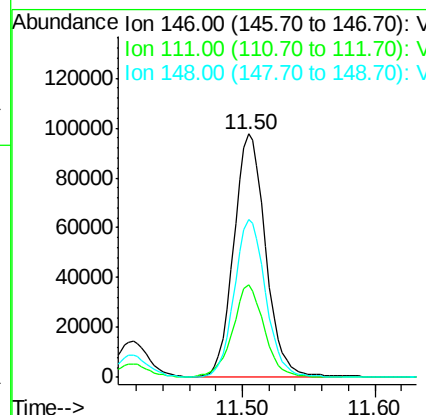
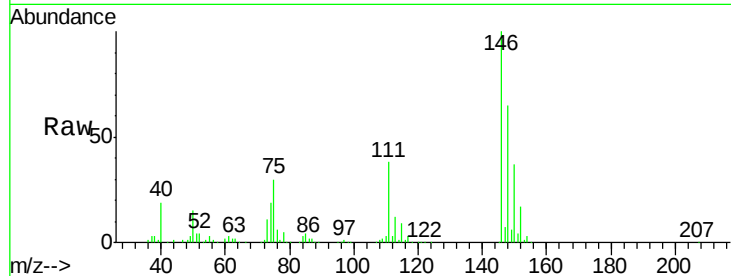




#63
 1,4-Dichlorobenzene
 Concen: 20.212 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030302.D
 Acq: 22 Mar 2019 12:50

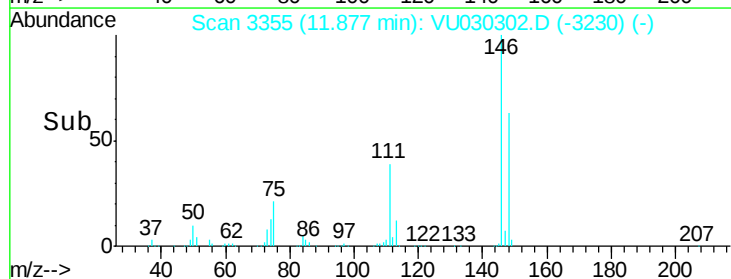
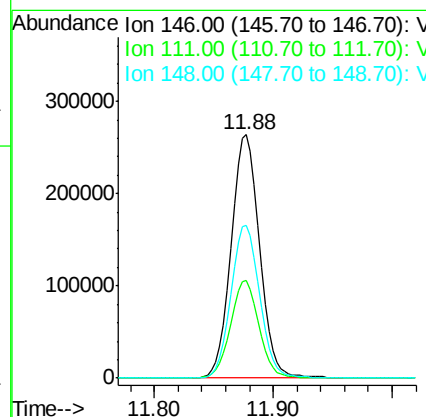
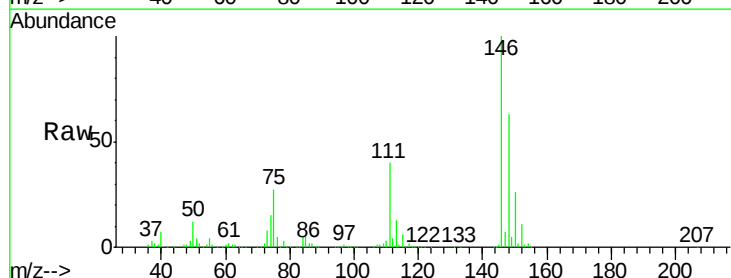
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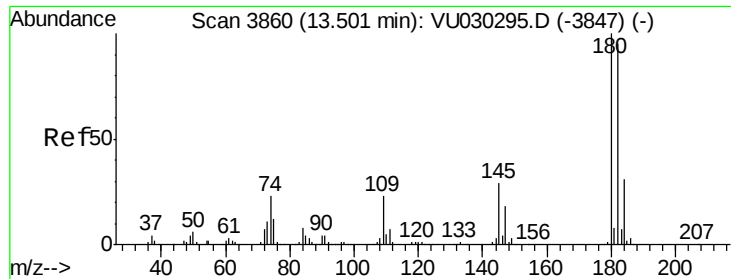
Tot Ion:146 Resp: 161724
 Ion Ratio Lower Upper
 146 100
 111 38.1 25.3 46.9
 148 64.7 44.7 82.9



#65
 1,2-Dichlorobenzene
 Concen: 55.418 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030302.D
 Acq: 22 Mar 2019 12:50

Tgt Ion:146 Resp: 436754
 Ion Ratio Lower Upper
 146 100
 111 40.0 31.7 47.5
 148 63.0 52.0 78.0

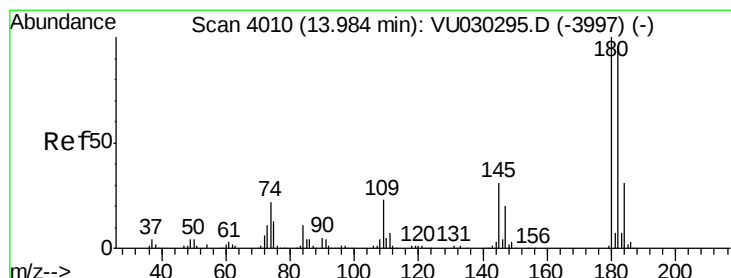
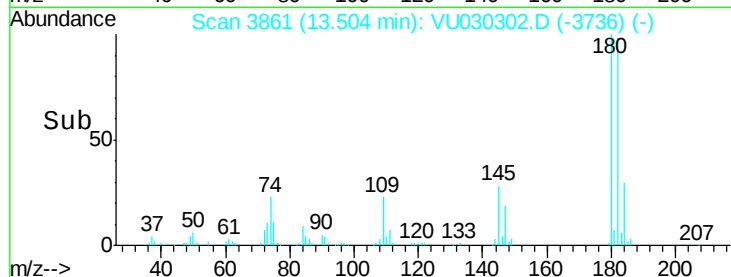
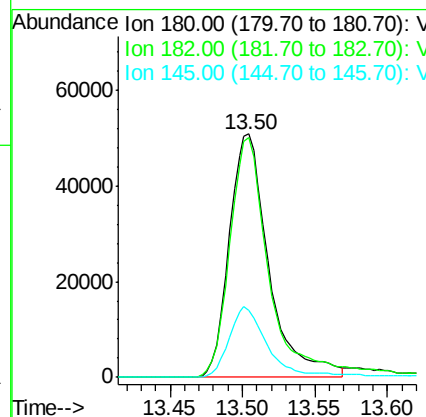
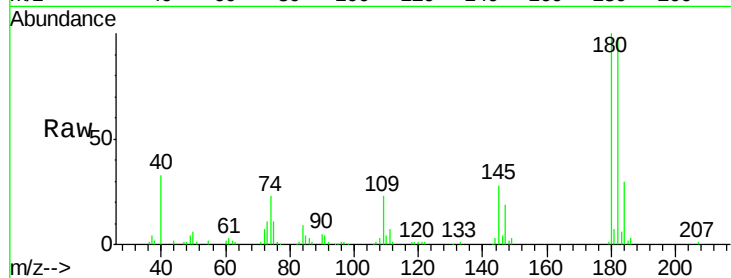




#68
 1,2,4-trichlorobenzene
 Concen: 18.108 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU030302.D
 Acq: 22 Mar 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 C09C8DL

Tot Ion:180 Resp: 96536
 Ion Ratio Lower Upper
 180 100
 182 97.9 76.4 114.6
 145 26.9 22.7 34.1



#70
 1,2,3-Trichlorobenzene
 Concen: 2.390 ug/L
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU030302.D
 Acq: 22 Mar 2019 12:50

Tgt Ion:180 Resp: 13294
 Ion Ratio Lower Upper
 180 100
 182 98.9 75.9 113.9
 145 28.8 24.1 36.1

