

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
 Data File : VU030436.D
 Acq On : 26 Mar 2019 12:00
 Operator : JC/SP
 Sample : K2016-12DL 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0989DL

Quant Time: Mar 27 17:53:09 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	456278	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	433062	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	179362	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	189094	51.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.00%
7) Chloroethane-d5	1.67	69	152092	52.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.52%
11) 1,1-Dichloroethene-d2	2.27	63	264717	38.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.00%
21) 2-Butanone-d5	4.17	46	335592	97.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.22%
24) Chloroform-d	4.65	84	308676	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.58%
26) 1,2-Dichloroethane-d4	5.31	65	207662	50.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.32%
32) Benzene-d6	5.34	84	640033	51.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.08%
36) 1,2-Dichloropropane-d6	6.33	67	226301	53.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.52%
41) Toluene-d8	7.56	98	551111	49.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.82%
43) trans-1,3-Dichloropropene-	7.85	79	96168	48.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.26%
47) 2-Hexanone-d5	8.31	63	210378	91.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.37%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	291548	47.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	190274	52.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.88%

Target Compounds

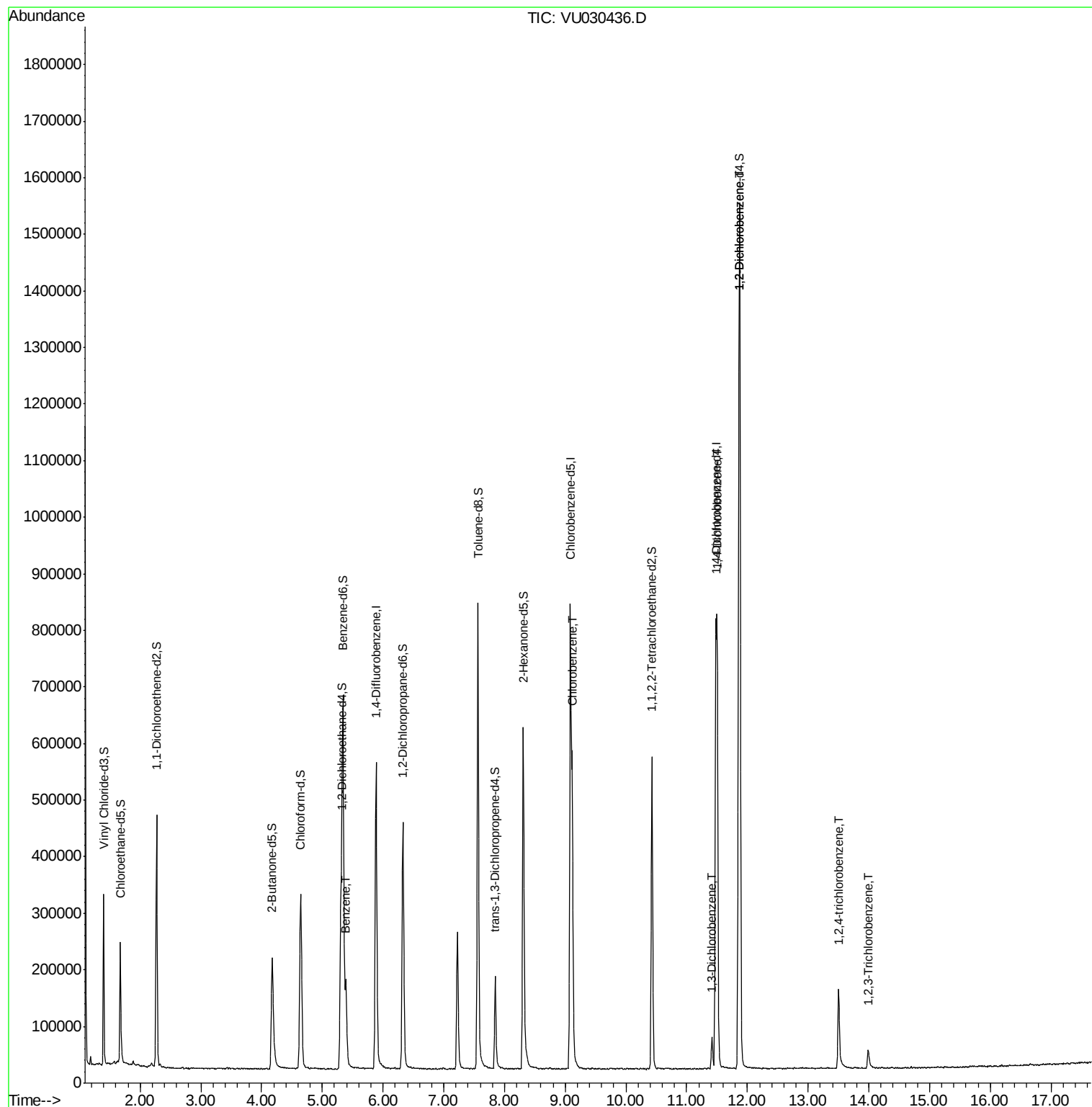
					Ovalue
33) Benzene	5.39	78	150562	10.213	ug/L 100
51) Chlorobenzene	9.12	112	275770	29.741	ug/L 100
62) 1,3-Dichlorobenzene	11.42	146	22488	3.834	ug/L 98
63) 1,4-Dichlorobenzene	11.50	146	279914	46.355	ug/L 98
65) 1,2-Dichlorobenzene	11.87	146	525752	88.644	ug/L 98
68) 1,2,4-trichlorobenzene	13.50	180	54132	14.188	ug/L 89
70) 1,2,3-Trichlorobenzene	13.99	180	14549	3.611	ug/L 87

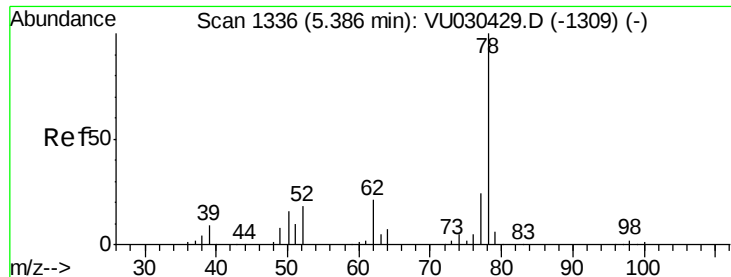
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#33

Benzene

Concen: 10.213 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU030436.D

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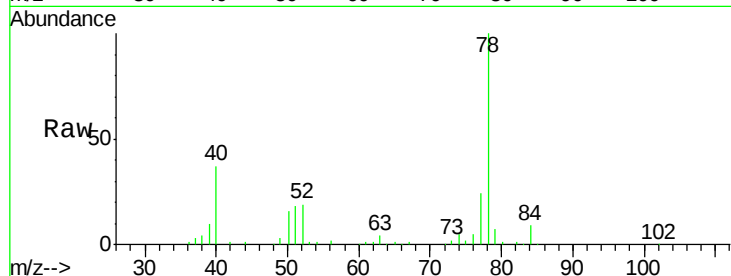
Instrument :

MSVOA_U

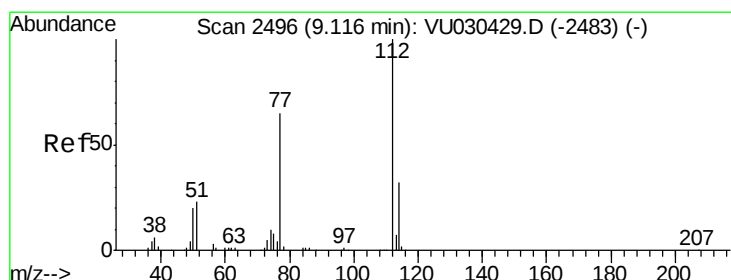
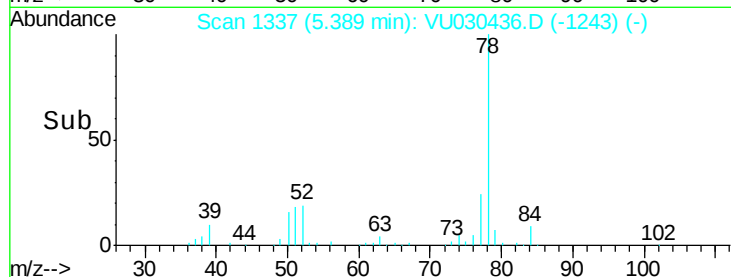
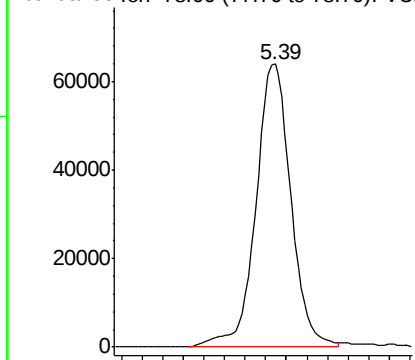
ClientSampled :

C0989DL

Tgt Ion: 78 Resp: 150562



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 29.741 ug/L

RT: 9.12 min Scan# 2496

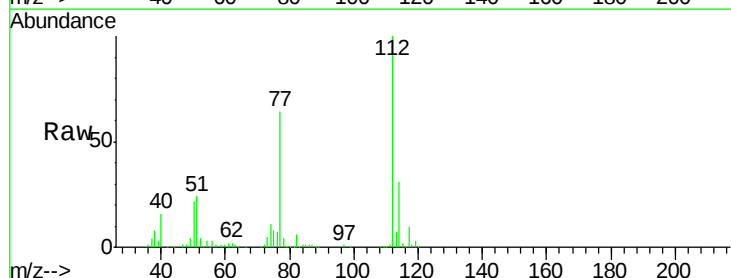
Delta R.T. 0.00 min

Lab File: VU030436.D

Acq: 26 Mar 2019 12:00

Tgt Ion: 112 Resp: 275770

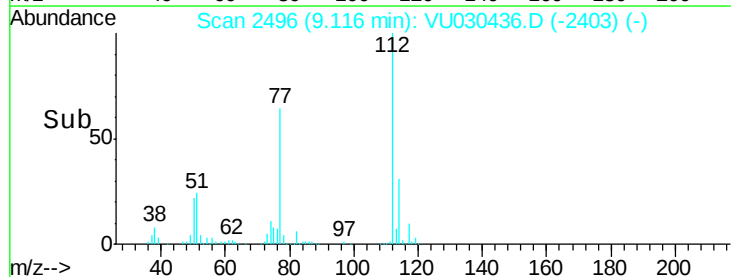
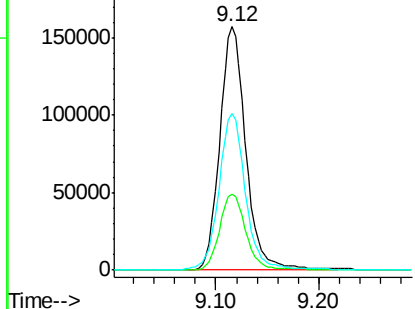
Ion	Ratio	Lower	Upper
112	100		
114	31.3	21.5	39.9
77	64.2	51.4	77.0

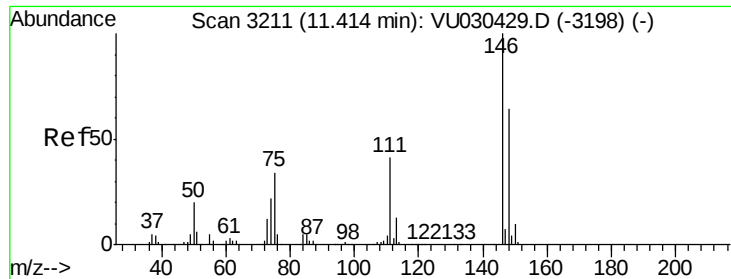


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 3.834 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030436.D

Acq: 26 Mar 2019 12:00

Instrument :

MSVOA_U

ClientSampleId :

C0989DL

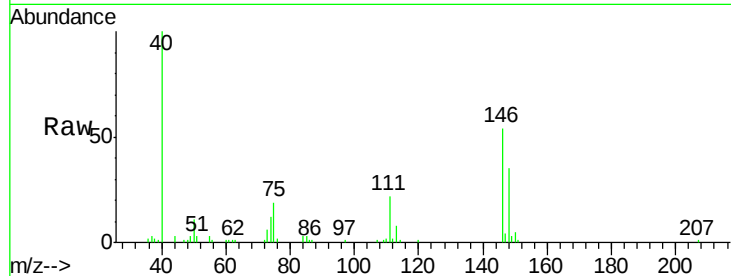
Tot Ion:146 Resp: 22488

Ion Ratio Lower Upper

146 100

111 39.9 29.2 54.2

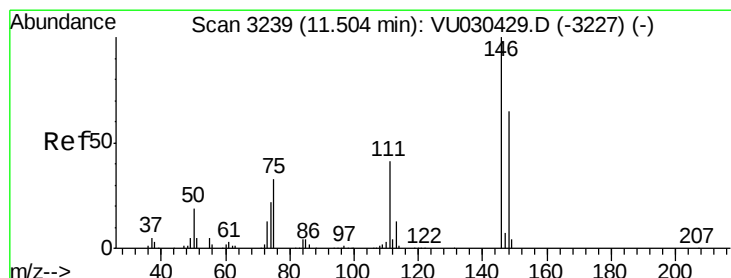
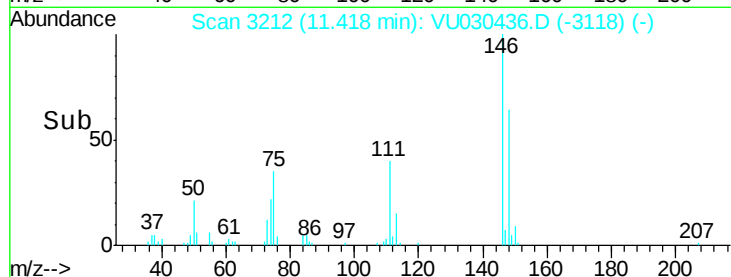
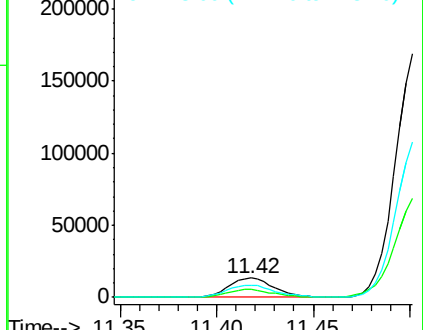
148 64.4 44.4 82.4



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: 46.355 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030436.D

Acq: 26 Mar 2019 12:00

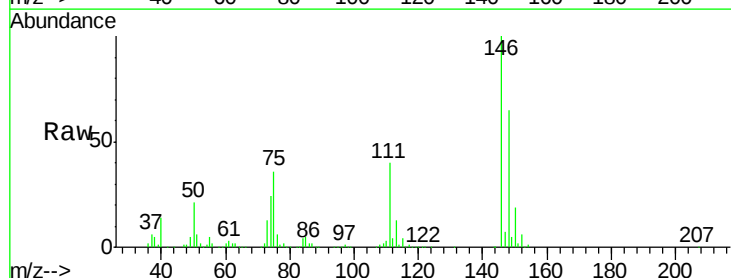
Tgt Ion:146 Resp: 279914

Ion Ratio Lower Upper

146 100

111 39.8 28.7 53.3

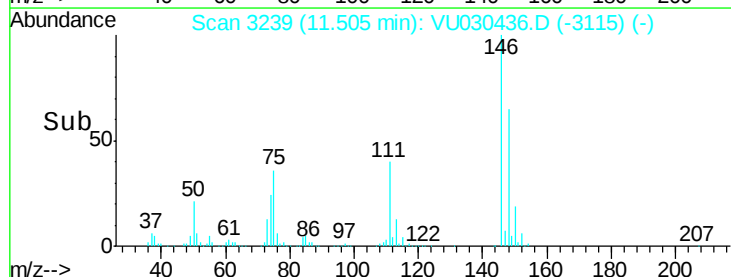
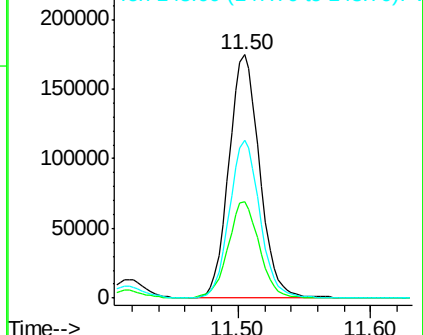
148 64.8 44.3 82.3

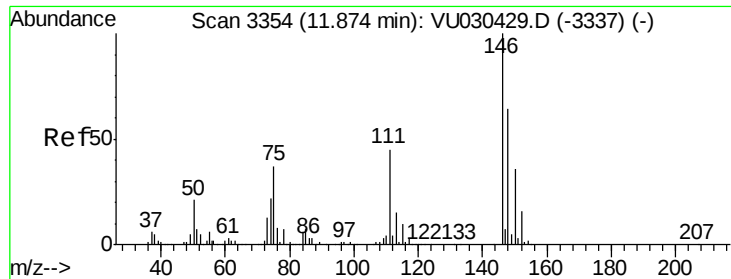


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

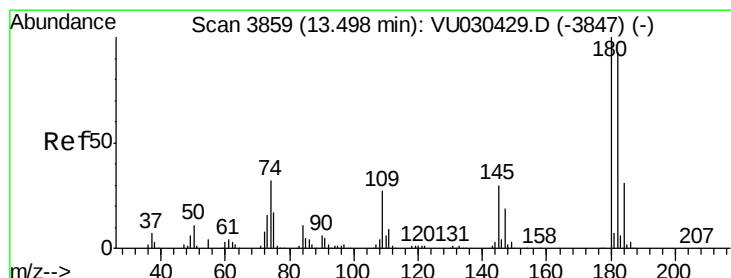
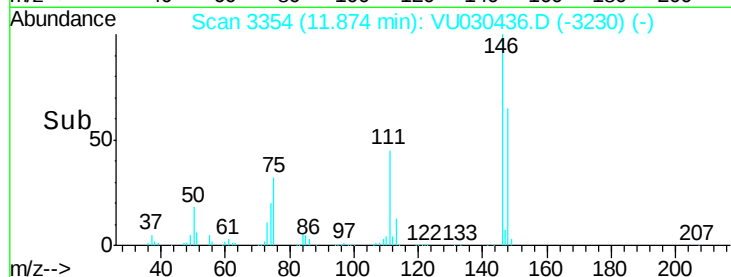
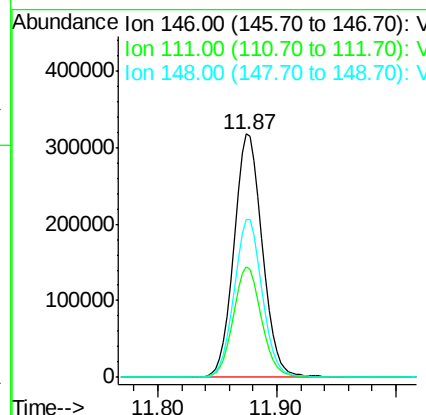
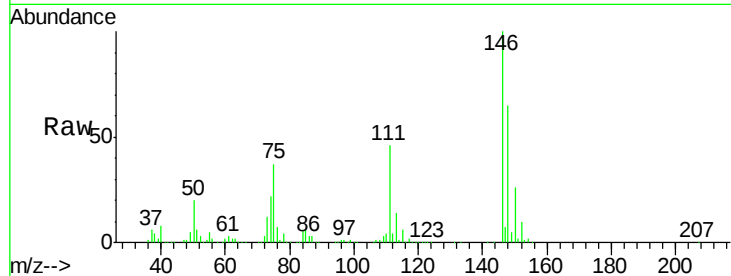




#65
 1,2-Dichlorobenzene
 Concen: 88.644 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030436.D
 Acq: 26 Mar 2019 12:00

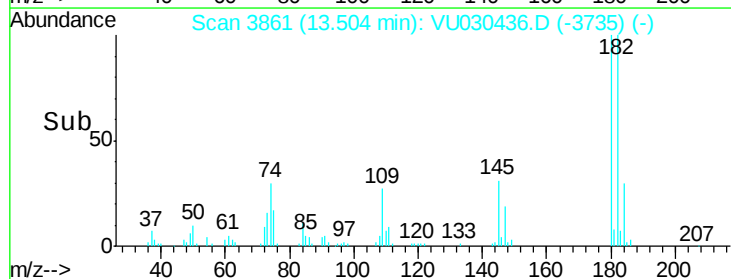
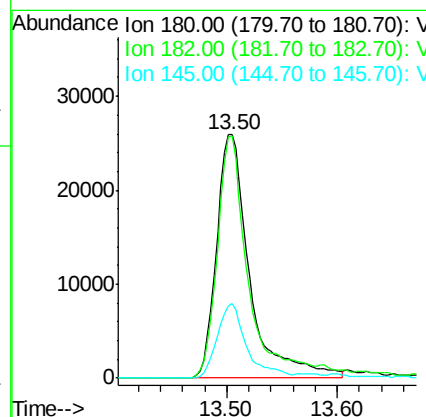
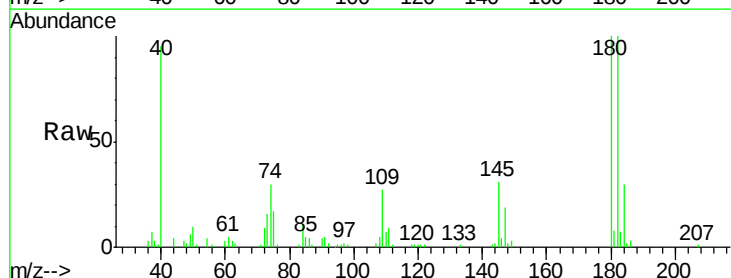
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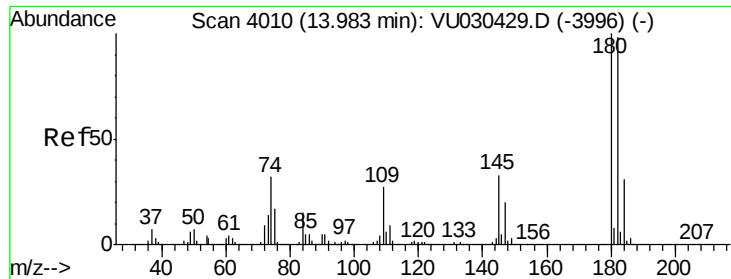
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	34.9	52.3
148	65.0	51.2	76.8



#68
 1,2,4-trichlorobenzene
 Concen: 14.188 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU030436.D
 Acq: 26 Mar 2019 12:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	83.3	76.1	114.1
145	26.9	24.5	36.7





#70
 1,2,3-Trichlorobenzene
 Concen: 3.611 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030436.D
 Acq: 26 Mar 2019 12:00

Instrument :
 MSVOA_U
 ClientSampleId :
 C0989DL

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	82.6	77.4	116.2	
145	26.9	25.9	38.9	

