

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022719\
 Data File : VU029707.D
 Acq On : 27 Feb 2019 16:07
 Operator : JC/SP
 Sample : K1623-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Feb 28 04:29:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 28 00:50:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	462526	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	449959	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	238676	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	185097	54.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.22%
7) Chloroethane-d5	1.68	69	158667	52.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.32%
11) 1,1-Dichloroethene-d2	2.27	63	264178	39.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.76%
21) 2-Butanone-d5	4.17	46	273519	132.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	132.61%#
24) Chloroform-d	4.64	84	333858	60.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.46%
26) 1,2-Dichloroethane-d4	5.31	65	211313	60.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.44%
32) Benzene-d6	5.34	84	727733	64.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	128.54%#
36) 1,2-Dichloropropane-d6	6.33	67	222055	65.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	130.38%#
41) Toluene-d8	7.56	98	692295	59.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.84%
43) trans-1,3-Dichloropropene-	7.85	79	104416	57.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	115.58%
47) 2-Hexanone-d5	8.31	63	229713	121.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.10%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	332567	57.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	115.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	307022m	59.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.38%

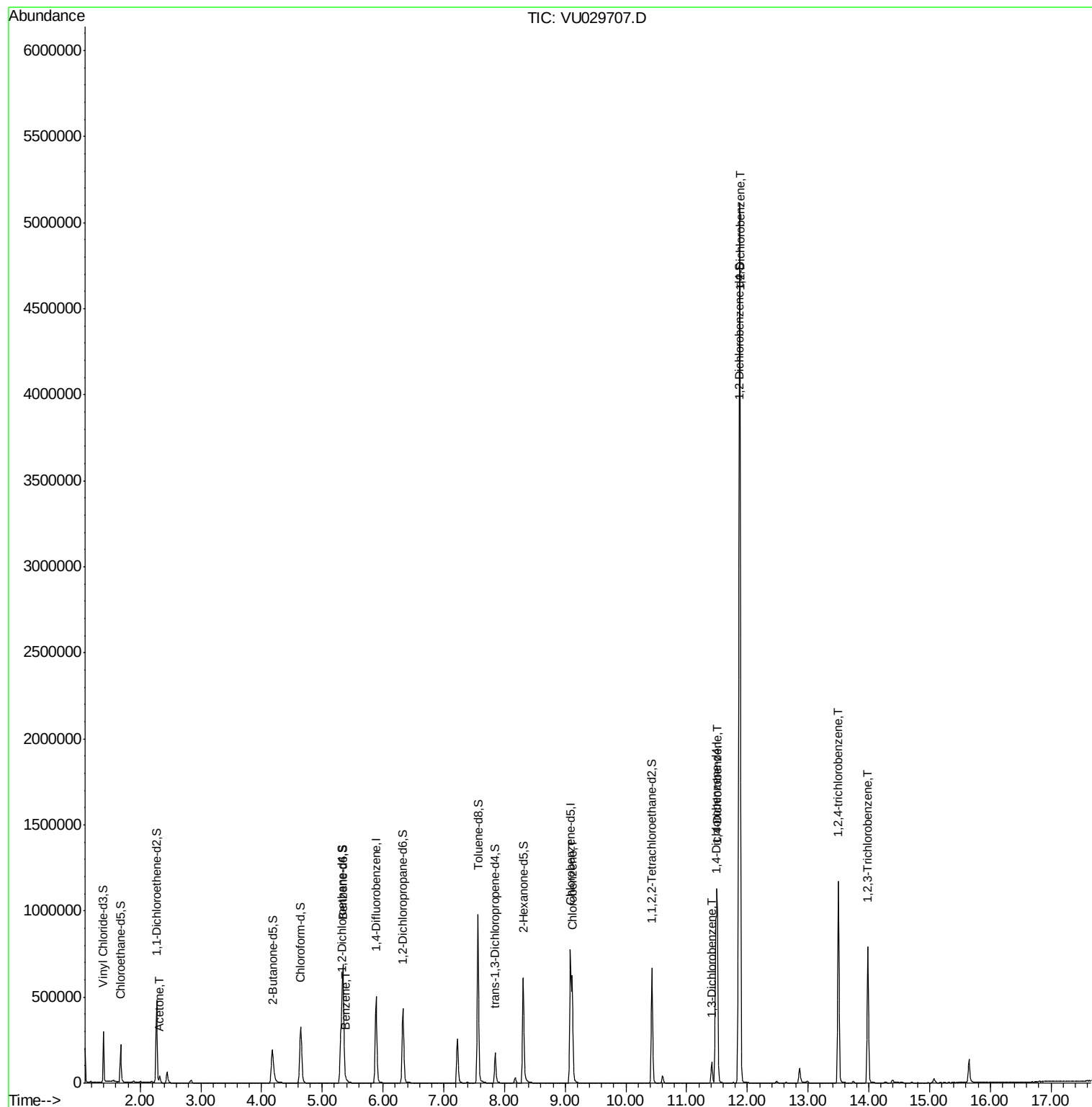
Target Compounds

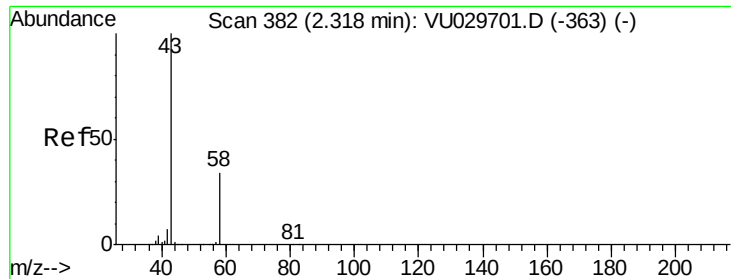
					Ovalue
13) Acetone	2.32	43	36512	16.567	ug/L 100
33) Benzene	5.39	78	18318	1.588	ug/L 100
51) Chlorobenzene	9.12	112	351830	37.574	ug/L 98
62) 1,3-Dichlorobenzene	11.41	146	51606	6.781	ug/L 97
63) 1,4-Dichlorobenzene	11.50	146	454084	59.294	ug/L 99
65) 1,2-Dichlorobenzene	11.87	146	2122388	267.181	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	385200	76.692	ug/L 98
70) 1,2,3-Trichlorobenzene	13.98	180	265184	49.718	ug/L 99

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

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#13

Acetone

Concen: 16.567 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029707.D

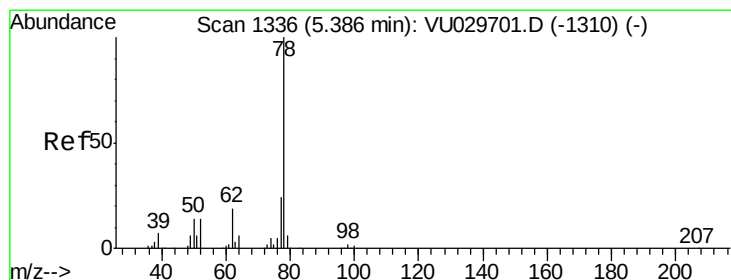
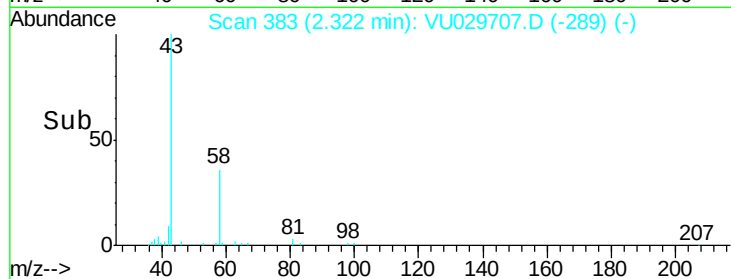
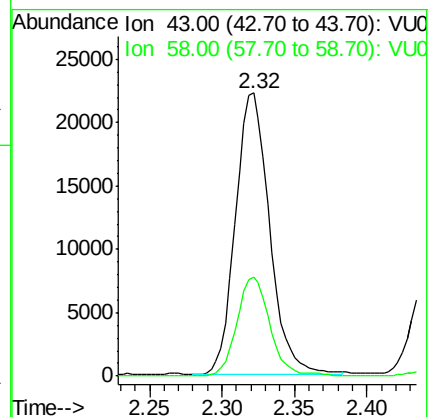
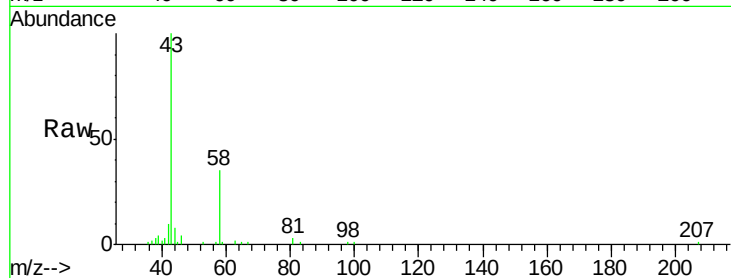
Acq: 27 Feb 2019 16:07

Tot Ion: 43 Resp: 36512

Ion Ratio Lower Upper

43 100

58 33.2 0.0 66.8



#33

Benzene

Concen: 1.588 ug/L

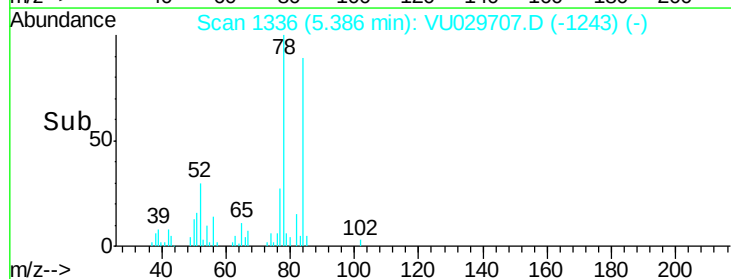
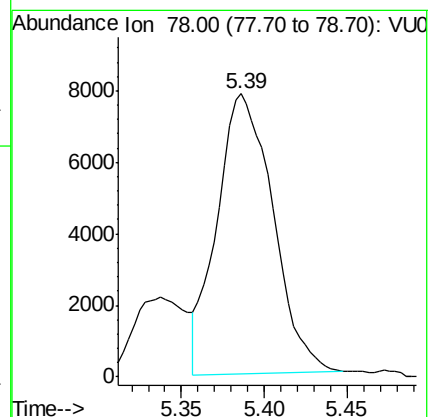
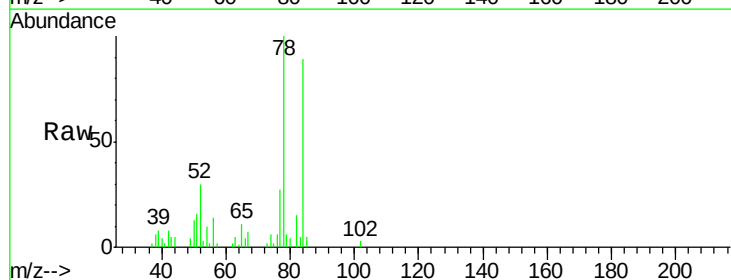
RT: 5.39 min Scan# 1336

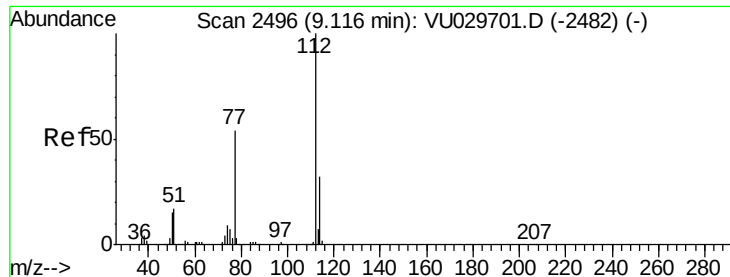
Delta R.T. 0.00 min

Lab File: VU029707.D

Acq: 27 Feb 2019 16:07

Tgt Ion: 78 Resp: 18318





#51

Chlorobenzene

Concen: 37.574 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU029707.D

Acq: 27 Feb 2019 16:07

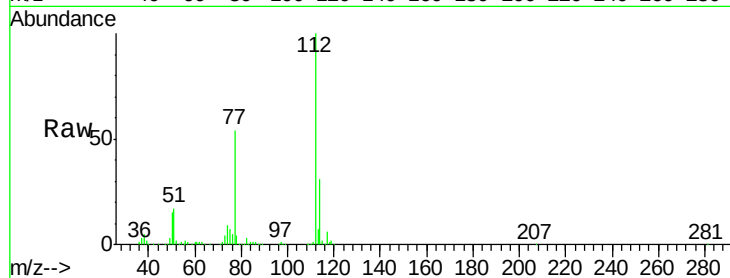
Tot Ion:112 Resp: 351830

Ion Ratio Lower Upper

112 100

114 31.4 22.7 42.1

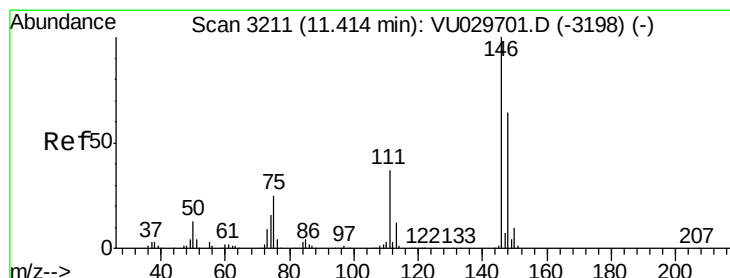
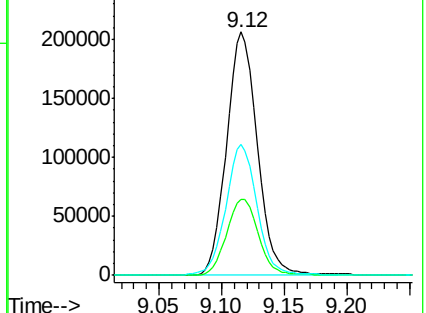
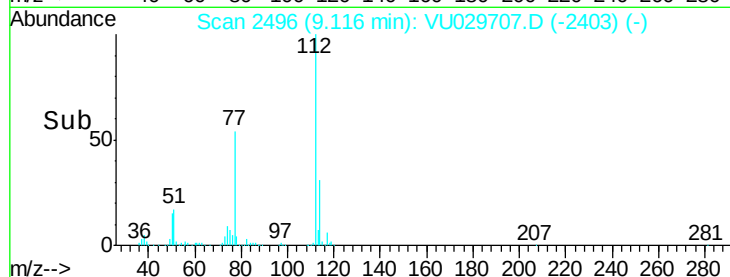
77 53.9 42.1 63.1



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: 6.781 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029707.D

Acq: 27 Feb 2019 16:07

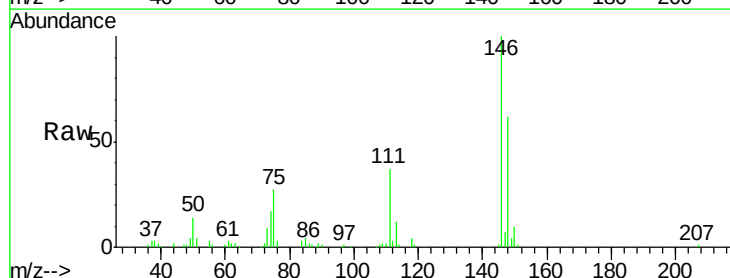
Tgt Ion:146 Resp: 51606

Ion Ratio Lower Upper

146 100

111 36.9 26.7 49.5

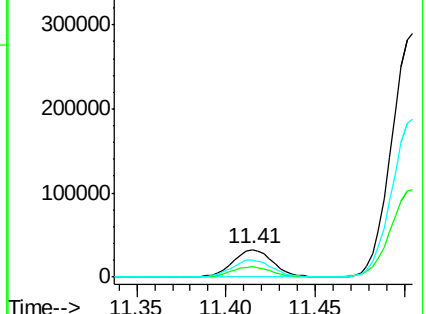
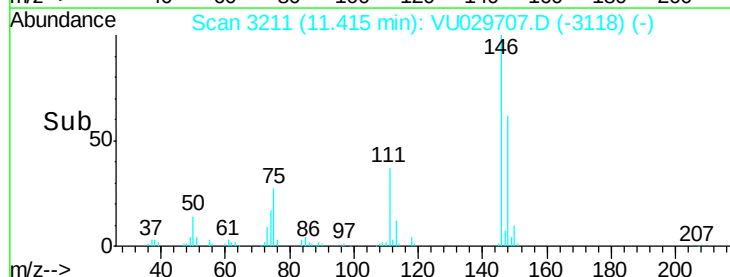
148 62.4 45.9 85.3

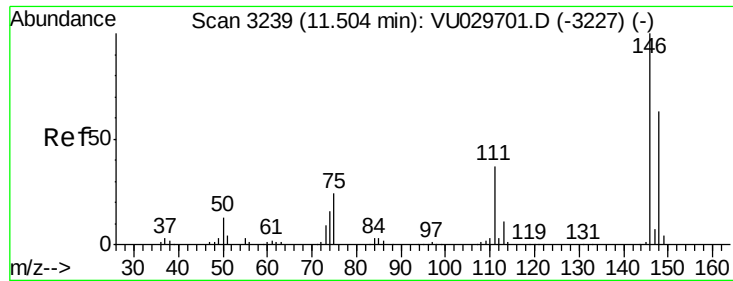


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

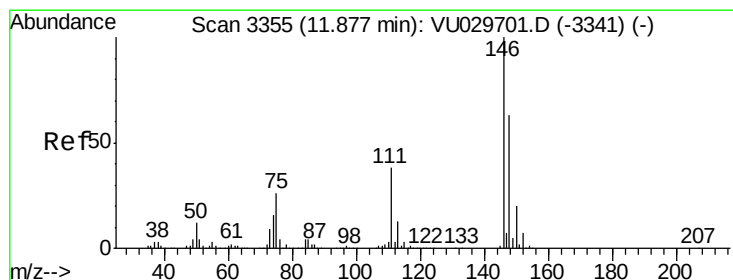
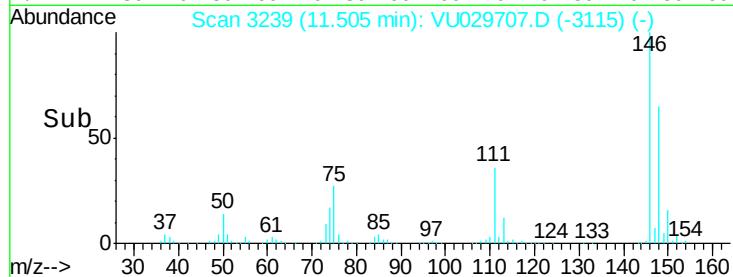
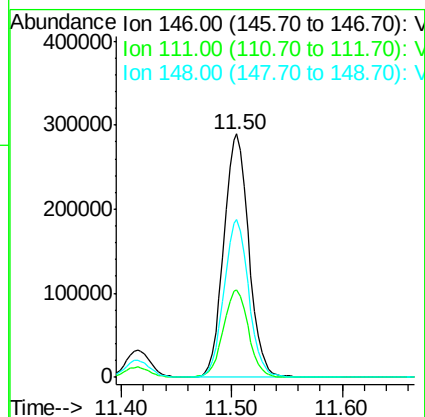
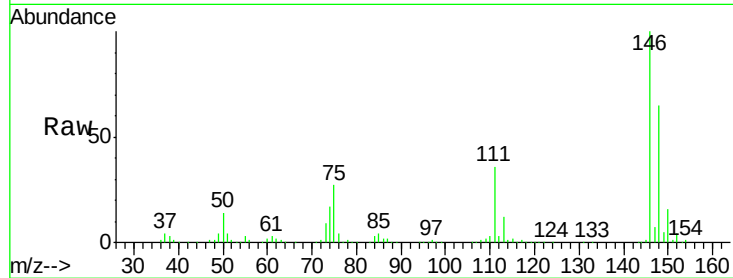
Ion 148.00 (147.70 to 148.70): V





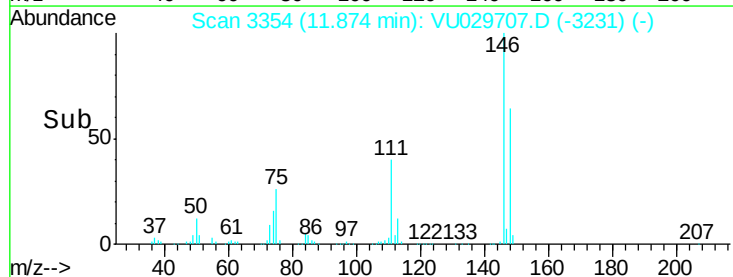
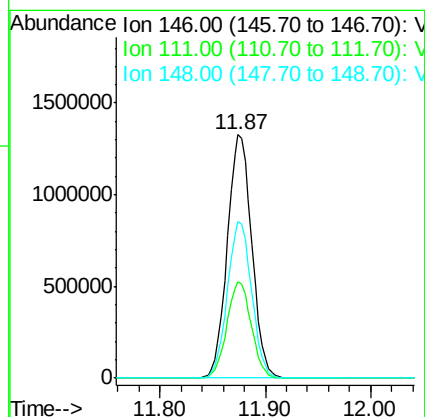
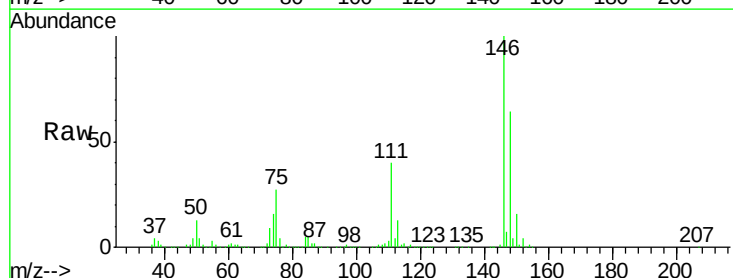
#63
 1,4-Dichlorobenzene
 Concen: 59.294 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029707.D
 Acq: 27 Feb 2019 16:07

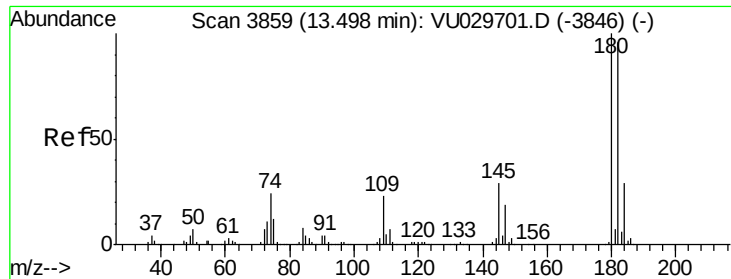
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	25.1	46.5
148	64.8	45.0	83.6



#65
 1,2-Dichlorobenzene
 Concen: 267.181 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029707.D
 Acq: 27 Feb 2019 16:07

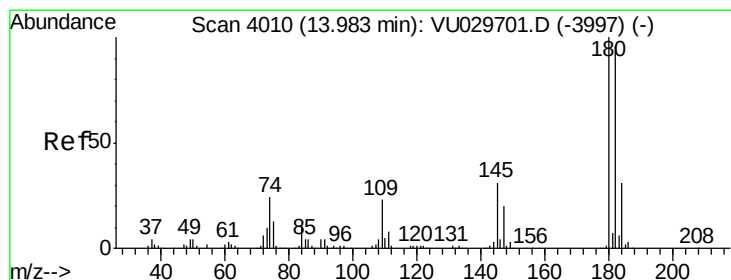
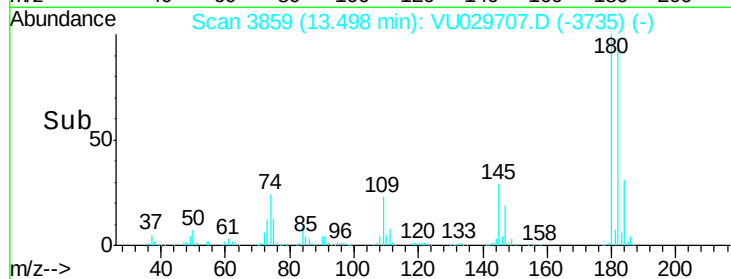
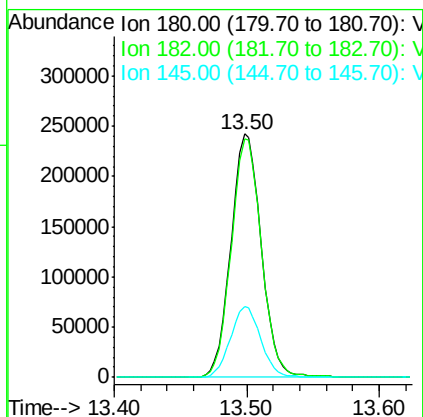
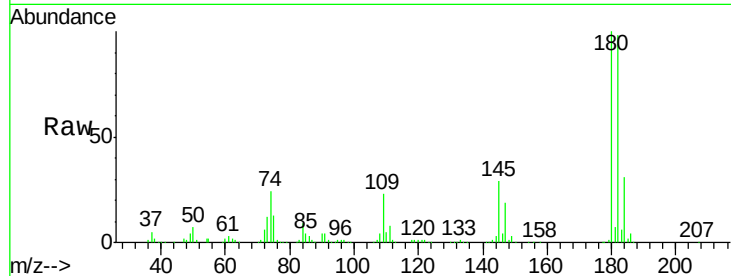
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	31.2	46.8
148	64.2	51.6	77.4





#68
 1,2,4-trichlorobenzene
 Concen: 76.692 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU029707.D
 Acq: 27 Feb 2019 16:07

Tot Ion:180 Resp: 385200
 Ion Ratio Lower Upper
 180 100
 182 97.9 76.2 114.2
 145 29.1 22.7 34.1



#70
 1,2,3-Trichlorobenzene
 Concen: 49.718 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. 0.00 min
 Lab File: VU029707.D
 Acq: 27 Feb 2019 16:07

Tgt Ion:180 Resp: 265184
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.8 115.2
 145 30.7 24.4 36.6

