

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022719\
 Data File : VU029705.D
 Acq On : 27 Feb 2019 15:21
 Operator : JC/SP
 Sample : K1623-05 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 28 01:34:35 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	465312	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	459207	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	242160	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	166290	48.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.54%
7) Chloroethane-d5	1.68	69	141307	46.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.24%
11) 1,1-Dichloroethene-d2	2.27	63	237232	35.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.18%
21) 2-Butanone-d5	4.17	46	253917	122.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.37%
24) Chloroform-d	4.64	84	289590	52.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.74%
26) 1,2-Dichloroethane-d4	5.31	65	186041	53.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.26%
32) Benzene-d6	5.34	84	644401	55.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.54%
36) 1,2-Dichloropropane-d6	6.33	67	198477	57.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.18%
41) Toluene-d8	7.56	98	617645	52.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.76%
43) trans-1,3-Dichloropropene-	7.85	79	90821	49.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.50%
47) 2-Hexanone-d5	8.31	63	218373	112.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.80%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	295694	50.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	269977	51.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.46%

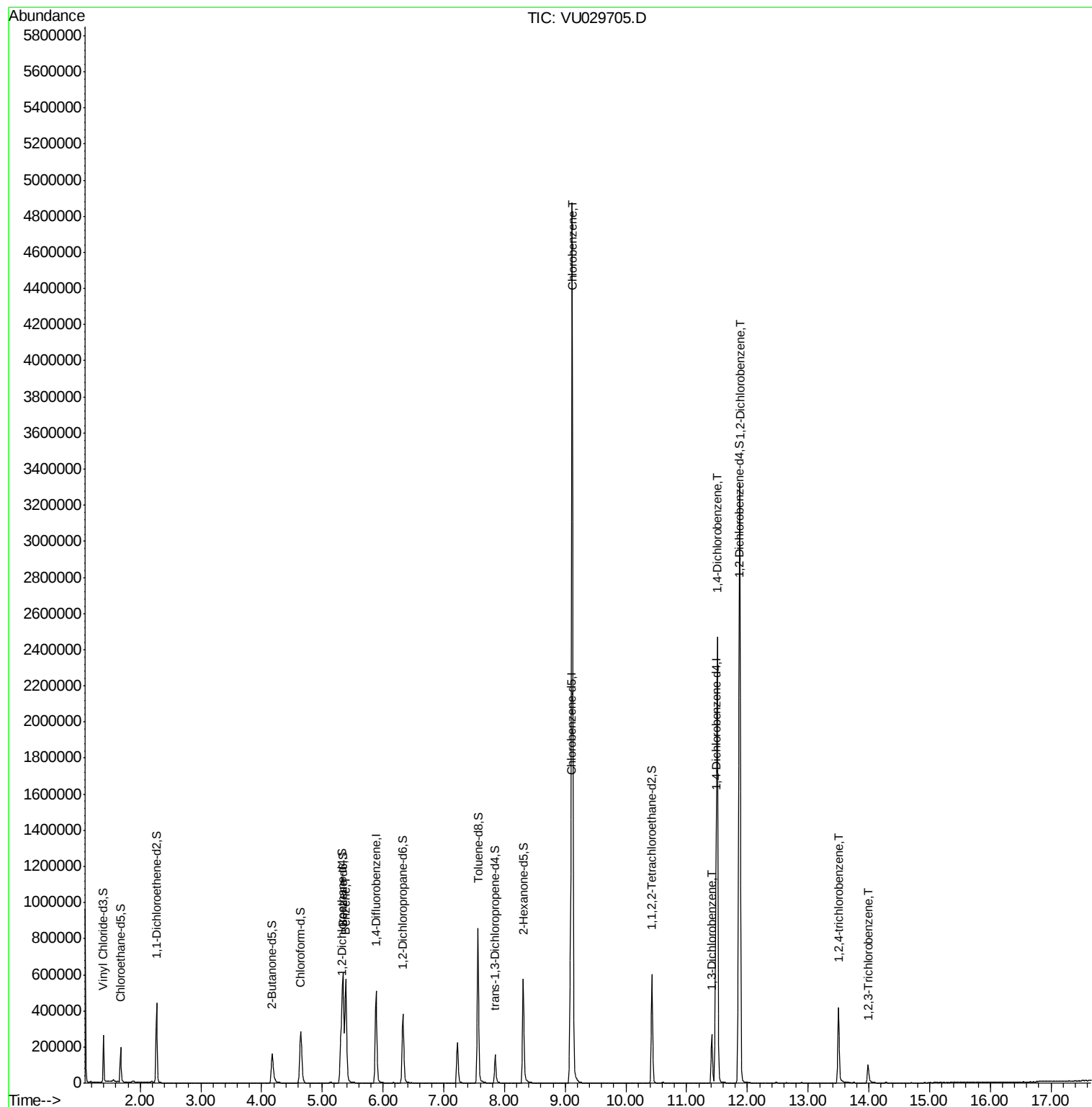
Target Compounds

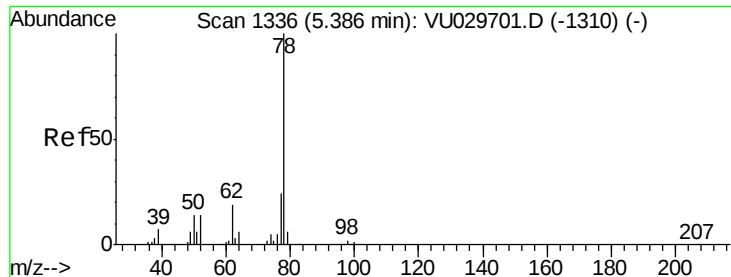
					Ovalue
33) Benzene	5.39	78	592394	50.316 ug/L	100
51) Chlorobenzene	9.12	112	2750901	287.867 ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	117696	15.244 ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	1038957	133.714 ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	1353216	167.901 ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	150138	29.462 ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	40230	7.434 ug/L	98

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

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#33

Benzene

Concen: 50.316 ug/L

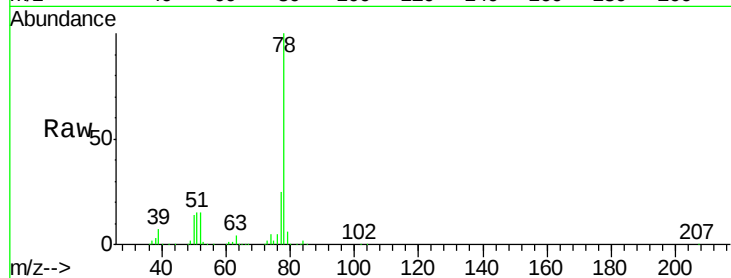
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

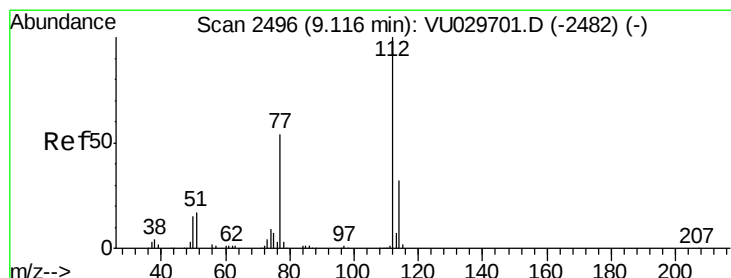
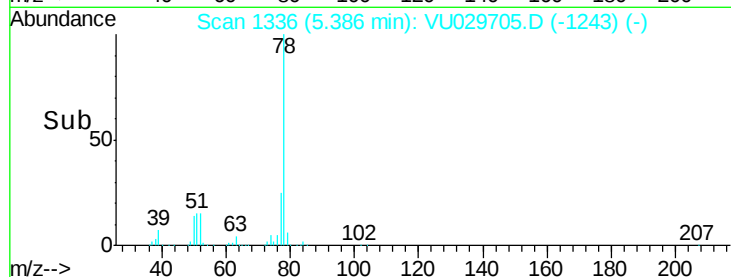
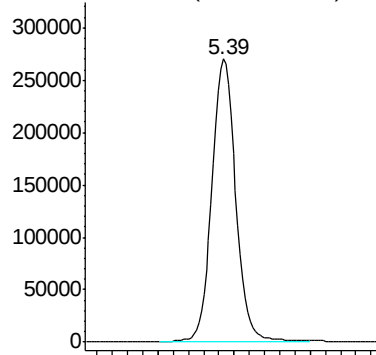
Lab File: VU029705.D

Acq: 27 Feb 2019 15:21

Tgt Ion: 78 Resp: 592394



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 287.867 ug/L

RT: 9.12 min Scan# 2496

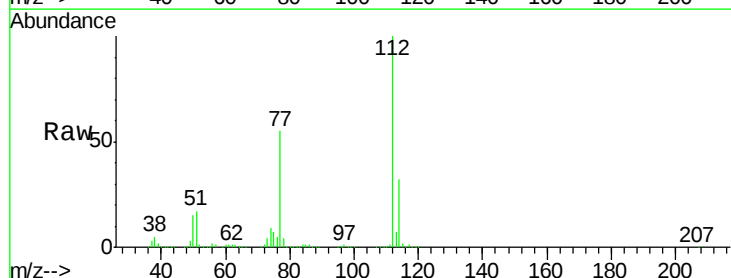
Delta R.T. 0.00 min

Lab File: VU029705.D

Acq: 27 Feb 2019 15:21

Tgt Ion: 112 Resp: 2750901

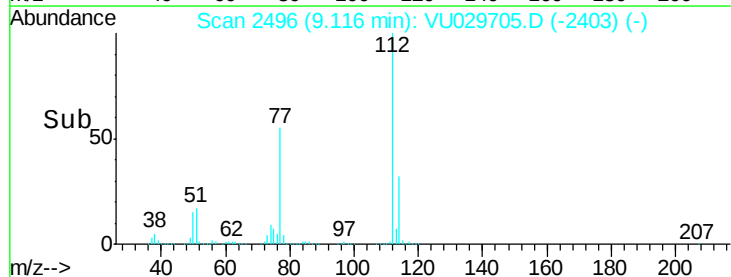
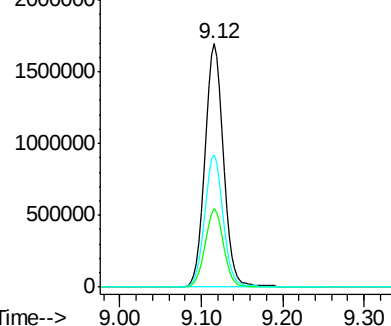
Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.7	42.1
77	54.5	42.1	63.1

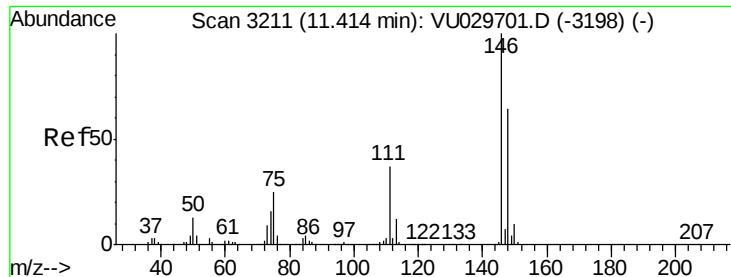


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 15.244 ug/L

RT: 11.41 min Scan# 3211

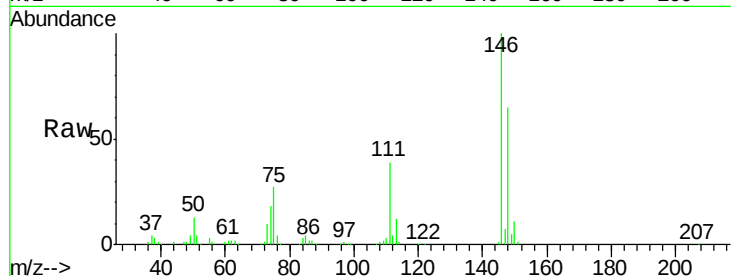
Delta R.T. 0.00 min

Lab File: VU029705.D

Acq: 27 Feb 2019 15:21

Tot Ion:146 Resp: 117696

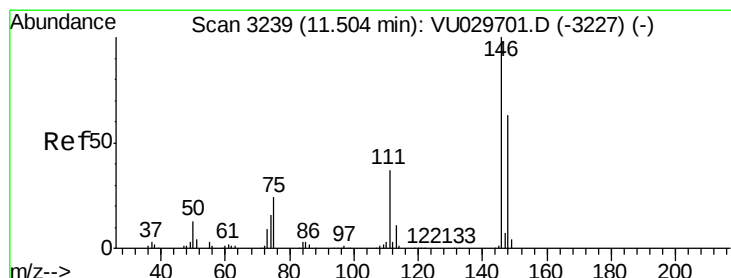
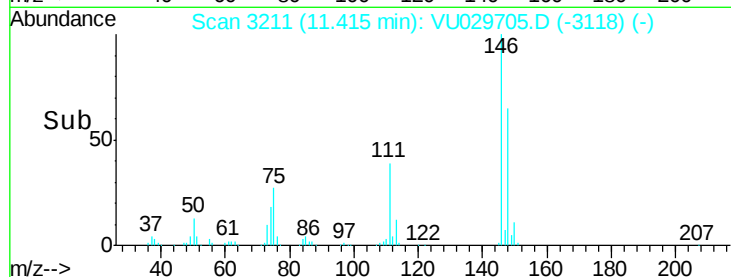
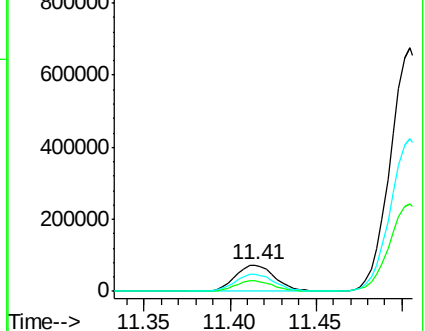
Ion	Ratio	Lower	Upper
146	100		
111	38.5	26.7	49.5
148	64.7	45.9	85.3



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: 133.714 ug/L

RT: 11.50 min Scan# 3239

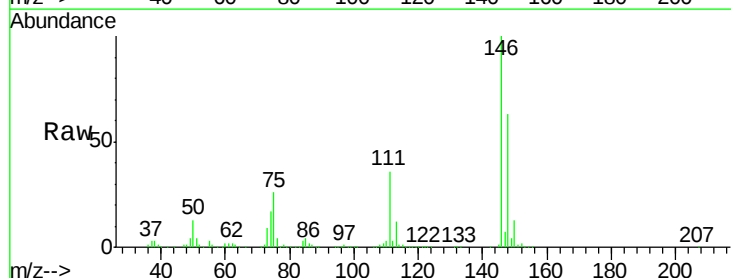
Delta R.T. 0.00 min

Lab File: VU029705.D

Acq: 27 Feb 2019 15:21

Tgt Ion:146 Resp: 1038957

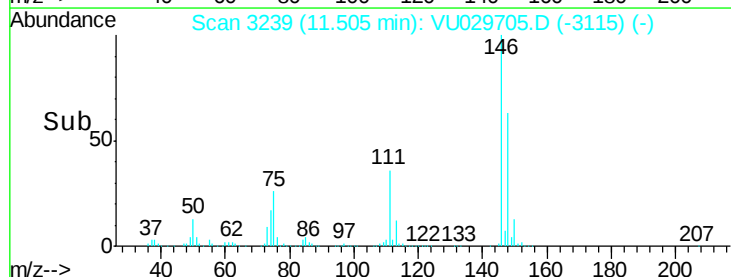
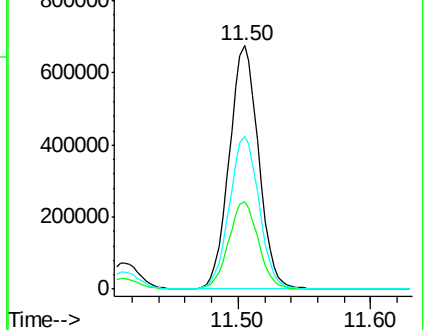
Ion	Ratio	Lower	Upper
146	100		
111	36.0	25.1	46.5
148	62.9	45.0	83.6

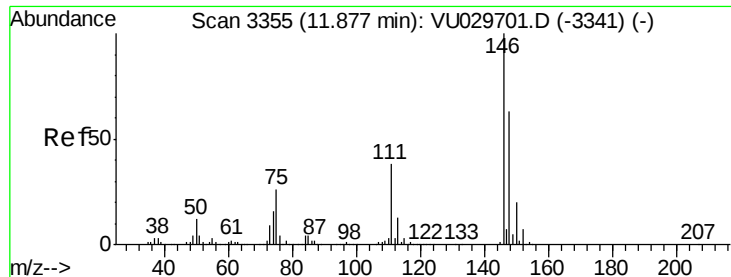


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 167.901 ug/L

RT: 11.87 min Scan# 3354

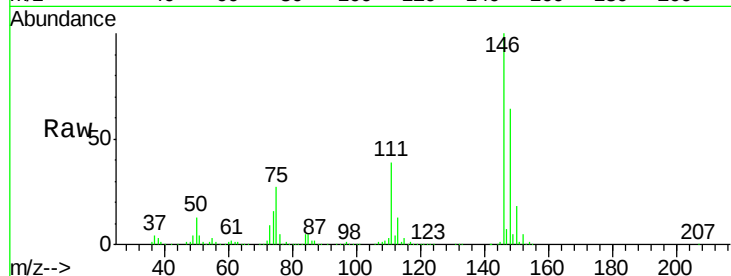
Delta R.T. -0.00 min

Lab File: VU029705.D

Acq: 27 Feb 2019 15:21

Tot Ion:146 Resp: 1353216

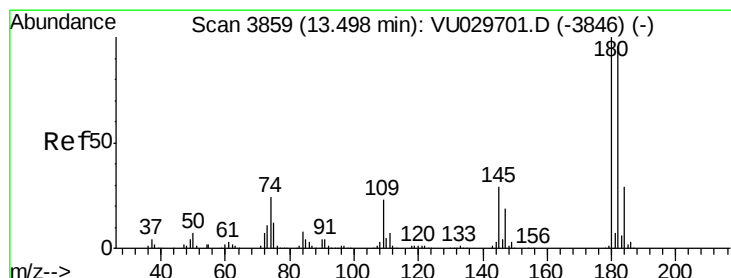
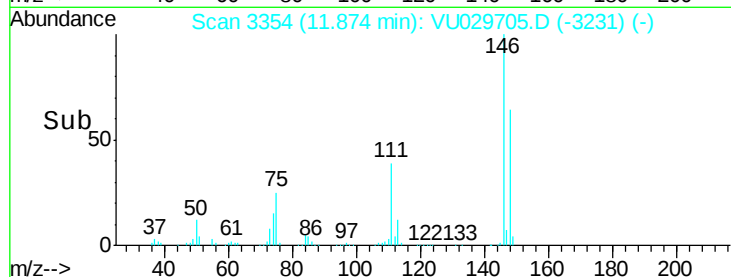
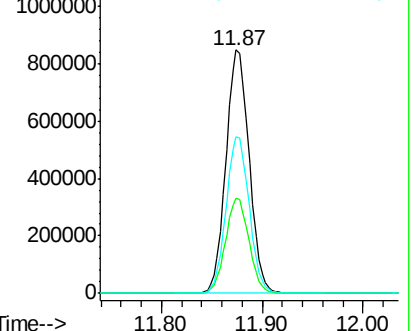
Ion	Ratio	Lower	Upper
146	100		
111	39.3	31.2	46.8
148	64.5	51.6	77.4



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



#68

1,2,4-trichlorobenzene

Concen: 29.462 ug/L

RT: 13.50 min Scan# 3860

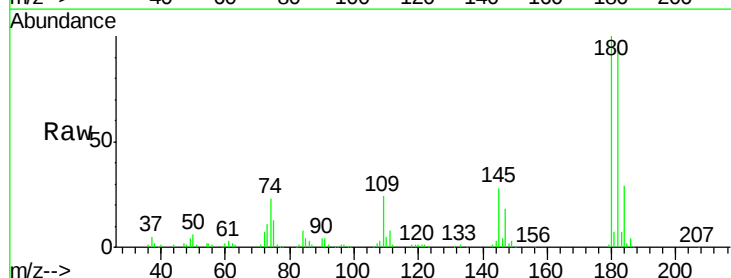
Delta R.T. 0.00 min

Lab File: VU029705.D

Acq: 27 Feb 2019 15:21

Tgt Ion:180 Resp: 150138

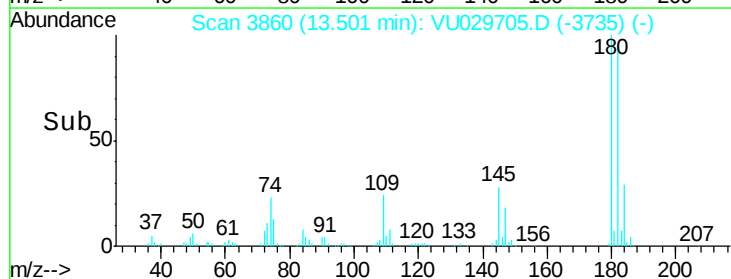
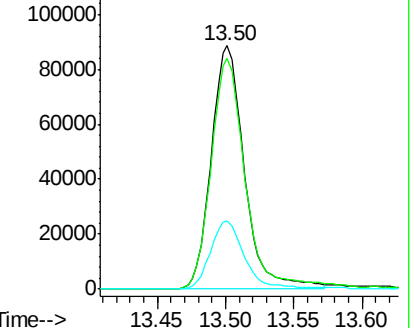
Ion	Ratio	Lower	Upper
180	100		
182	98.3	76.2	114.2
145	29.2	22.7	34.1

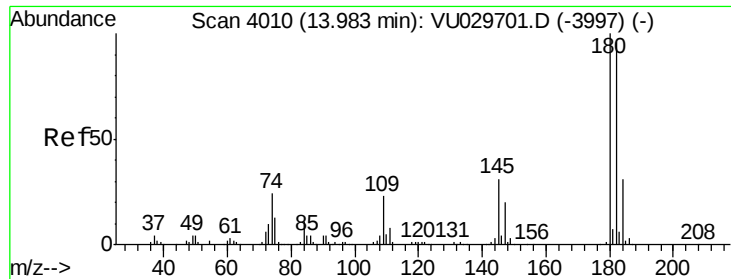


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

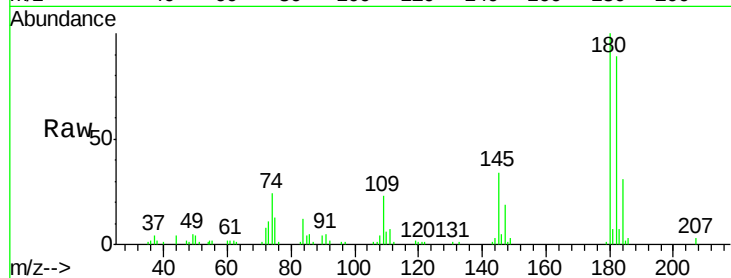
Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 7.434 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU029705.D
 Acq: 27 Feb 2019 15:21

Tot Ion	180	Resp	40230
Ion Ratio	100	Lower	Upper
182	93.3	76.8	115.2
145	30.1	24.4	36.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

