

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092118\
 Data File : VU026952.D
 Acq On : 20 Sep 2018 22:46
 Operator : MD/SY
 Sample : J5012-09 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08M9

Quant Time: Sep 21 06:49:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 21 04:24:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	189789	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	171628	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	66619	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	84204	59.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	119.96%
7) Chloroethane-d5	1.67	69	74402	61.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	123.82%
11) 1,1-Dichloroethene-d2	2.27	63	114521	43.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.22%
21) 2-Butanone-d5	4.18	46	139645	149.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	149.89%#
24) Chloroform-d	4.65	84	153632	58.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.98%
26) 1,2-Dichloroethane-d4	5.31	65	101877	62.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	124.26%
32) Benzene-d6	5.34	84	309000	64.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	128.48%#
36) 1,2-Dichloropropane-d6	6.33	67	102741	66.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	132.58%#
41) Toluene-d8	7.57	98	250587	57.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.34%
43) trans-1,3-Dichloropropene-	7.85	79	41424	59.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	119.74%
47) 2-Hexanone-d5	8.31	63	97864	160.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	160.67%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	145756	67.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	134.90%#
64) 1,2-Dichlorobenzene-d4	11.86	152	107147	77.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	154.62%#

Target Compounds

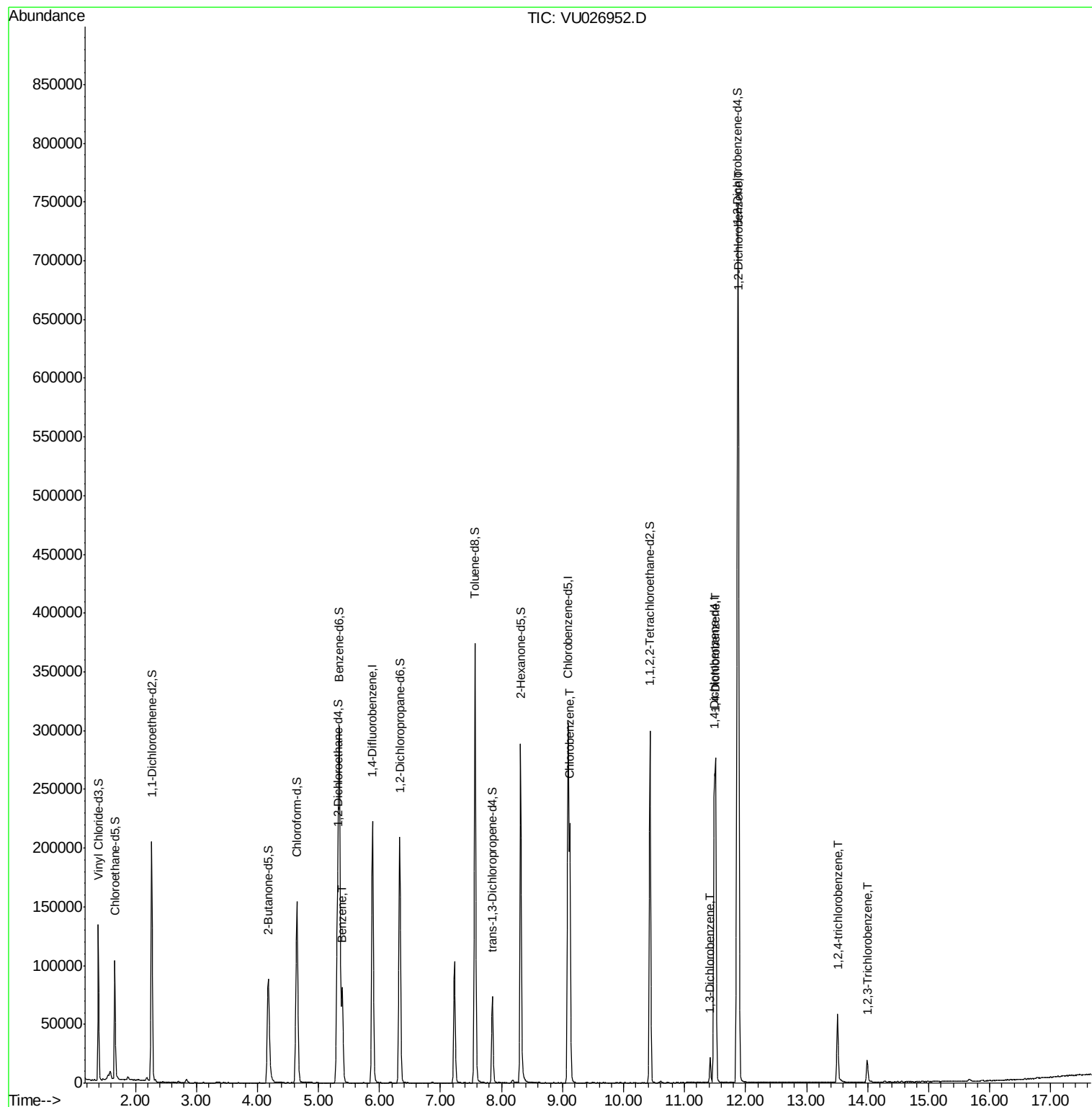
					Ovalue
33) Benzene	5.39	78	79073	14.860	ug/L 100
51) Chlorobenzene	9.12	112	115458	31.599	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	9552	4.703	ug/L 95
63) 1,4-Dichlorobenzene	11.51	146	107332	47.997	ug/L 100
65) 1,2-Dichlorobenzene	11.88	146	280988	124.956	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	21908	16.177	ug/L 97
70) 1,2,3-Trichlorobenzene	13.99	180	8388	5.624	ug/L 97

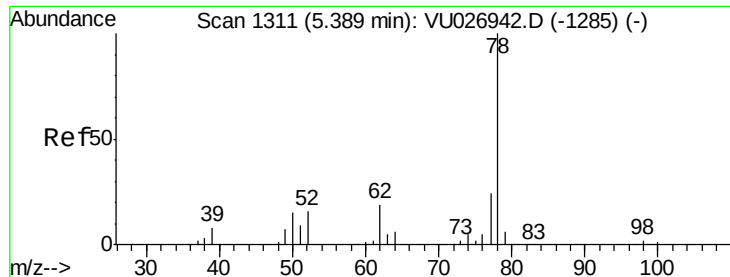
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#33

Benzene

Concen: 14.860 ug/L

RT: 5.39 min Scan# 1311

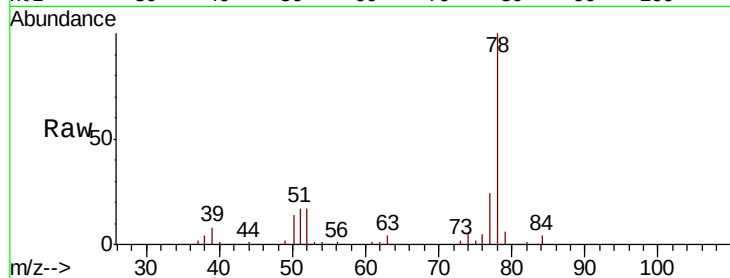
Delta R.T. -0.00 min

Lab File: VU026952.D

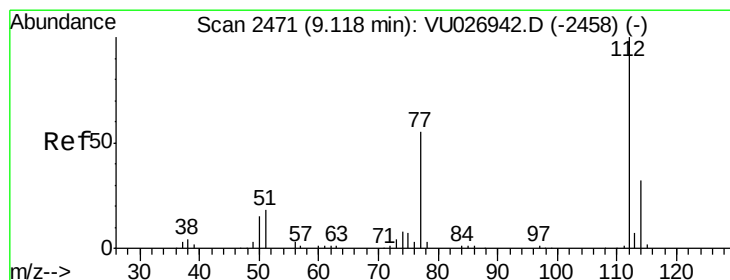
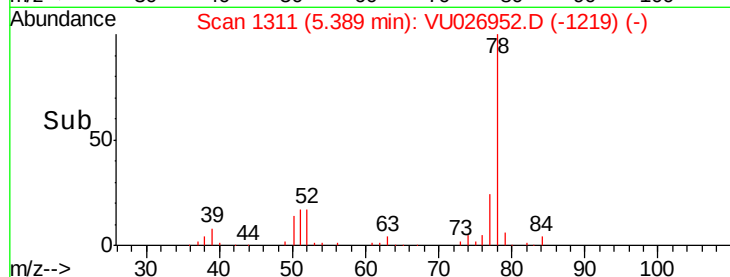
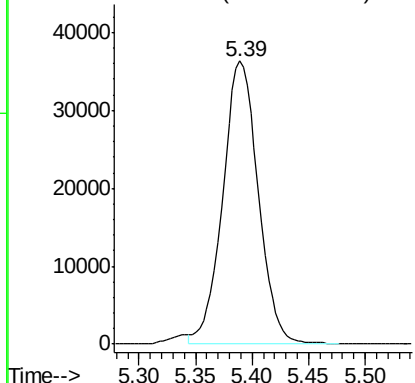
Acq: 20 Sep 2018 22:46

Instrument :
MSVOA_U
ClientSampled :
C08M9

Tgt Ion: 78 Resp: 79073



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 31.599 ug/L

RT: 9.12 min Scan# 2471

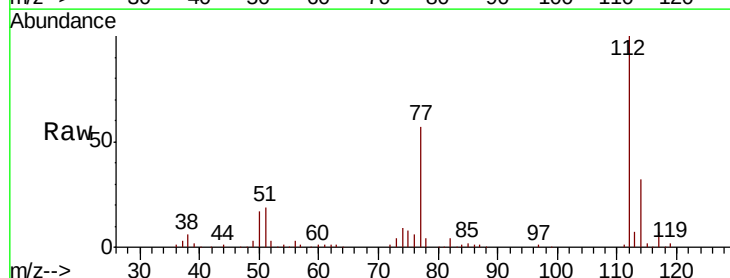
Delta R.T. 0.00 min

Lab File: VU026952.D

Acq: 20 Sep 2018 22:46

Tgt Ion: 112 Resp: 115458

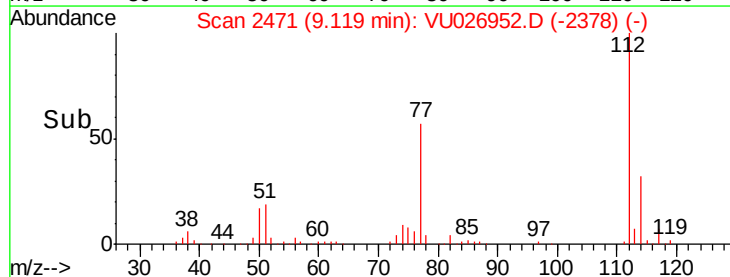
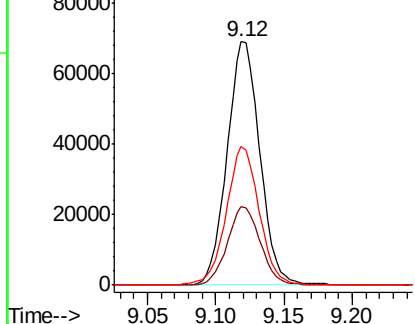
Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.3	41.5
77	57.2	45.1	67.7

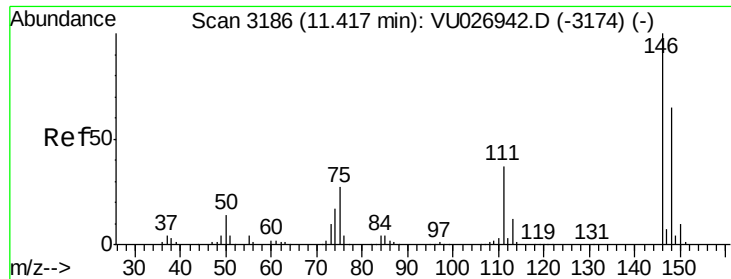


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 4.703 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026952.D

Acq: 20 Sep 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

C08M9

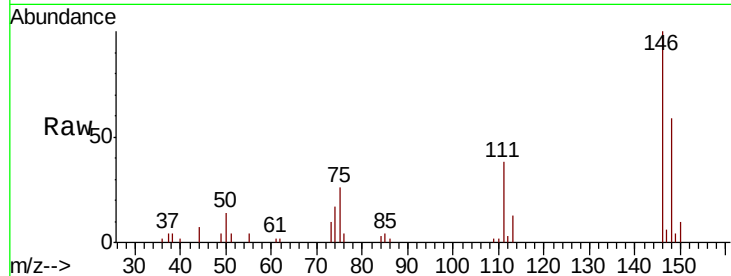
Tot Ion:146 Resp: 9552

Ion Ratio Lower Upper

146 100

111 37.9 26.7 49.7

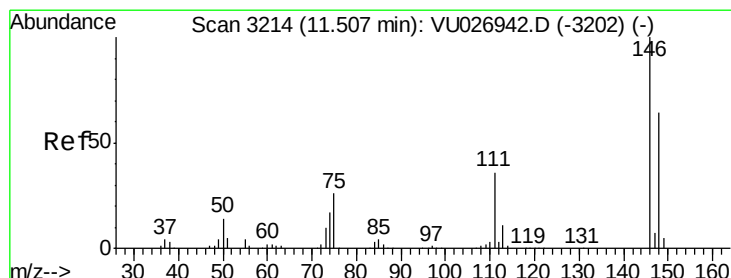
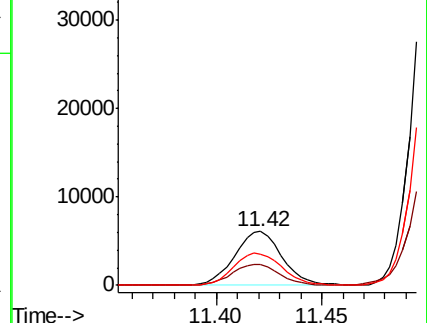
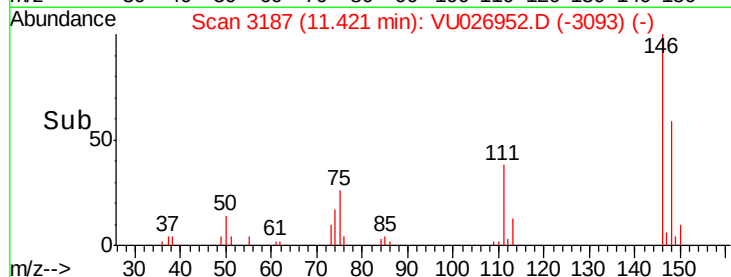
148 58.7 44.9 83.5



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: 47.997 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026952.D

Acq: 20 Sep 2018 22:46

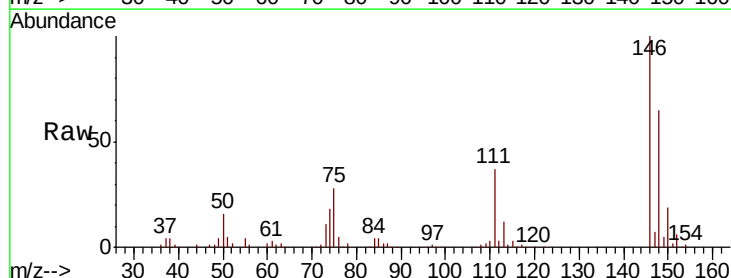
Tgt Ion:146 Resp: 107332

Ion Ratio Lower Upper

146 100

111 37.4 26.0 48.2

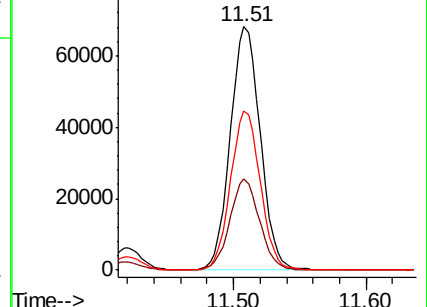
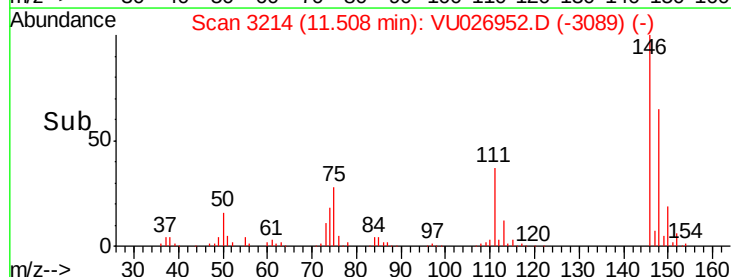
148 65.4 45.8 85.2

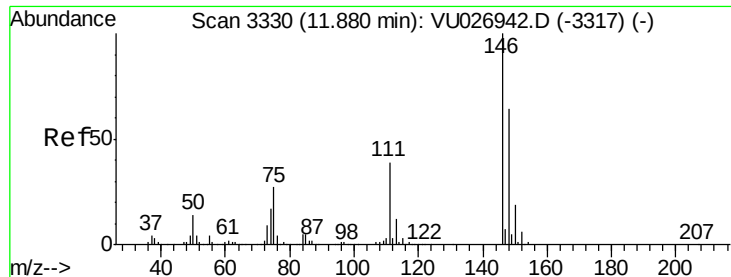


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 124.956 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026952.D

Acq: 20 Sep 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

C08M9

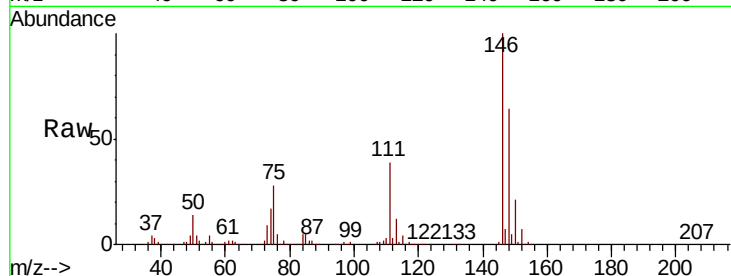
Tot Ion:146 Resp: 280988

Ion Ratio Lower Upper

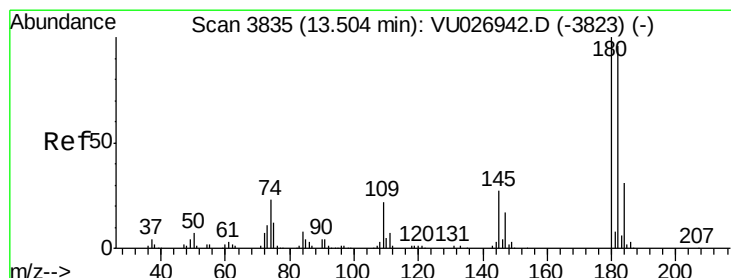
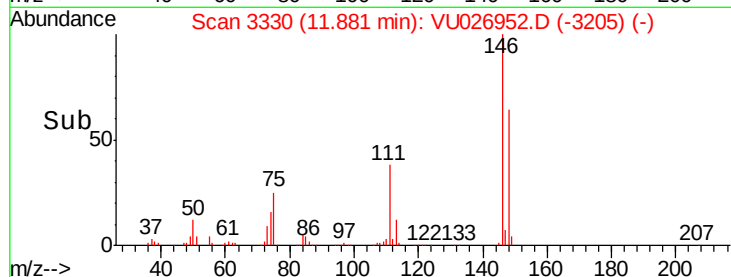
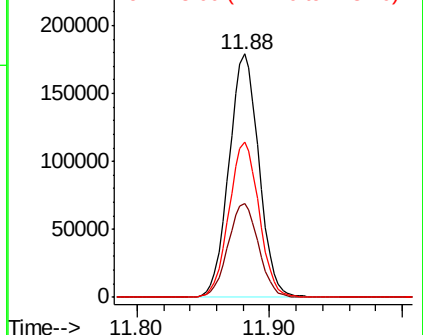
146 100

111 38.5 31.4 47.0

148 63.6 51.4 77.2



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: 16.177 ug/L

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU026952.D

Acq: 20 Sep 2018 22:46

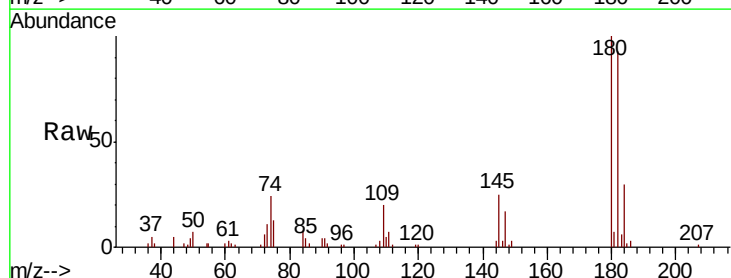
Tgt Ion:180 Resp: 21908

Ion Ratio Lower Upper

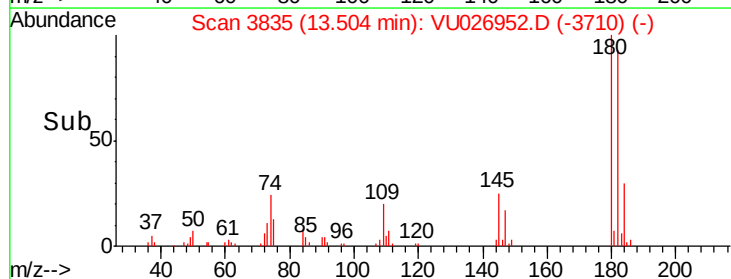
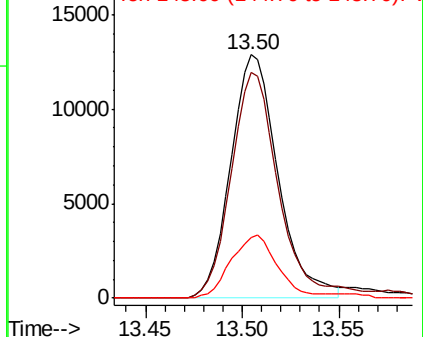
180 100

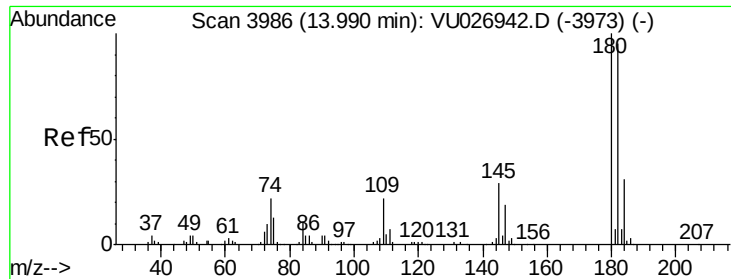
182 94.0 76.8 115.2

145 25.4 22.2 33.2



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: 5.624 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026952.D
 Acq: 20 Sep 2018 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 C08M9

Tot Ion:	180	Resp:	8388
Ion	Ratio	Lower	Upper
180	100		
182	91.1	75.6	113.4
145	28.2	23.8	35.6

