

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091818\
 Data File : VU026878.D
 Acq On : 18 Sep 2018 21:26
 Operator : MD/SY
 Sample : J4896-07DL 250X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L0DL

Quant Time: Sep 19 08:01:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 19 07:38:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	224975	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	213229	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	94864	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	55358	33.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.52%
7) Chloroethane-d5	1.68	69	54908	38.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.10%
11) 1,1-Dichloroethene-d2	2.27	63	83751	26.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.20%#
21) 2-Butanone-d5	4.18	46	120607	109.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.21%
24) Chloroform-d	4.65	84	131590	42.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.26%
26) 1,2-Dichloroethane-d4	5.31	65	86950	44.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.46%
32) Benzene-d6	5.34	84	249558	41.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.52%
36) 1,2-Dichloropropane-d6	6.33	67	87682	45.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.08%
41) Toluene-d8	7.57	98	202018	37.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.84%#
43) trans-1,3-Dichloropropene-	7.85	79	34697	40.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.72%
47) 2-Hexanone-d5	8.31	63	81473	107.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	127603	47.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	94538	47.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.82%

Target Compounds

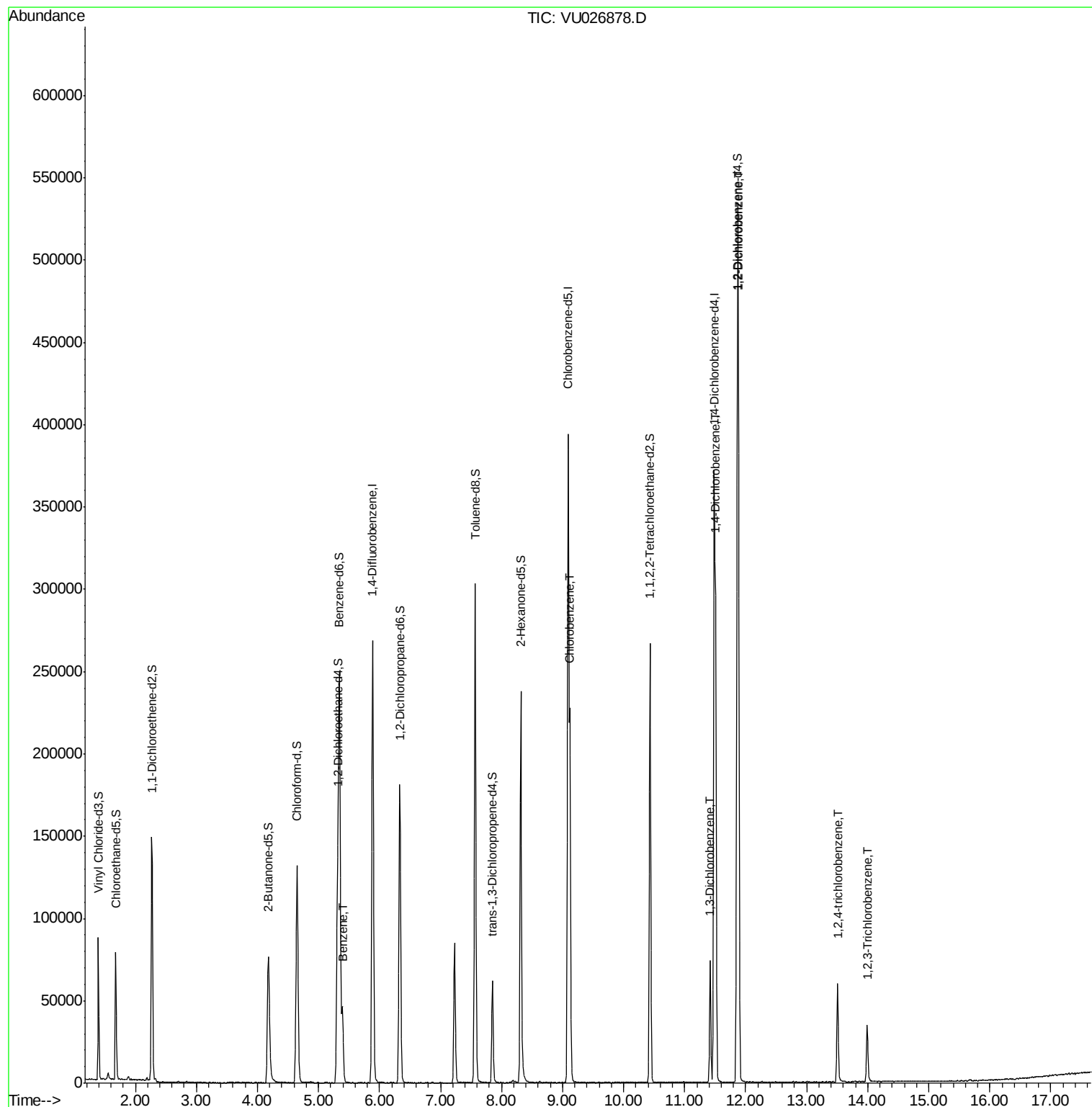
					Ovalue
33) Benzene	5.39	78	45068	6.817 ug/L	100
51) Chlorobenzene	9.12	112	114920	25.316 ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	31207	10.791 ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	109032	34.240 ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	182843	57.101 ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	21110	10.947 ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	13195	6.213 ug/L	97

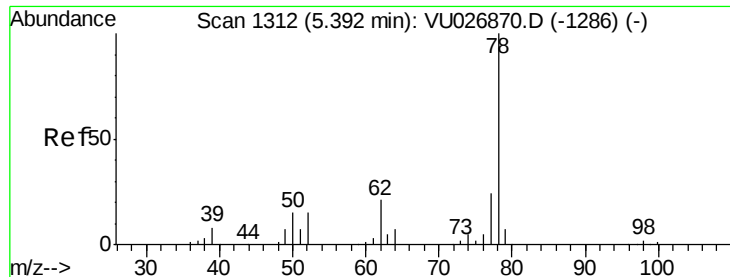
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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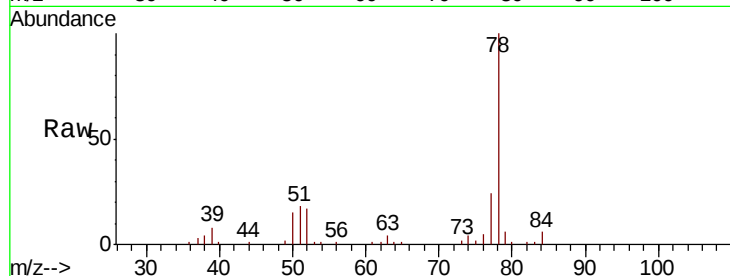




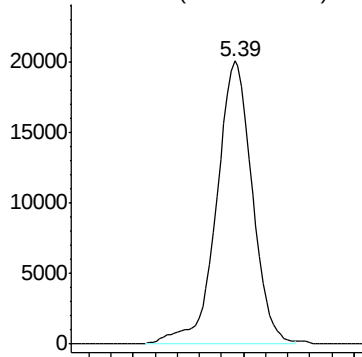
#33
Benzene
Concen: 6.817 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026878.D
Acq: 18 Sep 2018 21:26

Instrument :
MSVOA_U
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C08L0DL

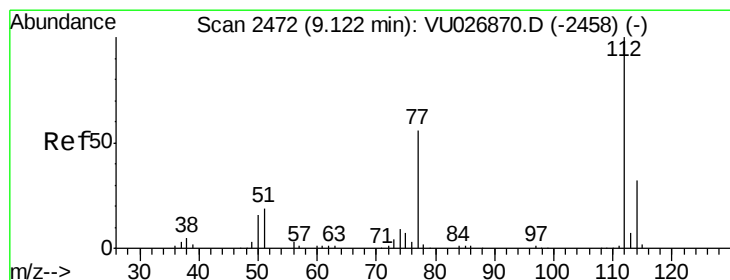
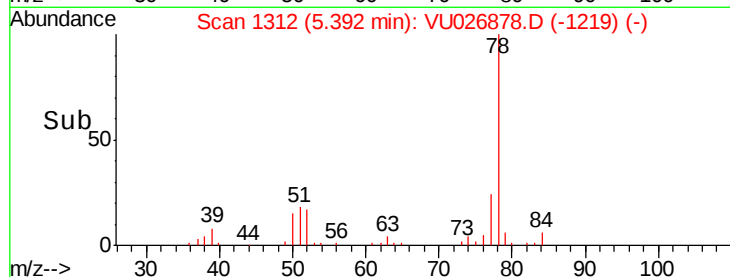
Tgt Ion: 78 Resp: 45068



Abundance Ion 78.00 (77.70 to 78.70): VU0

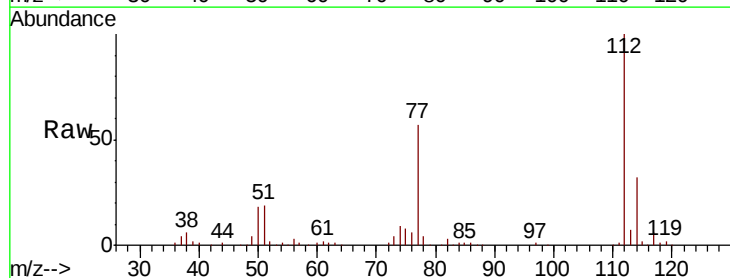


Time-->



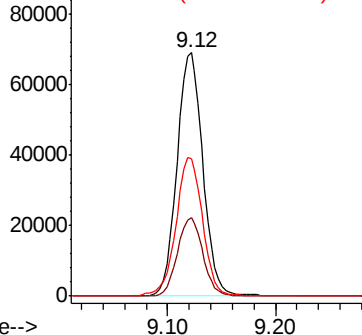
#51
Chlorobenzene
Concen: 25.316 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026878.D
Acq: 18 Sep 2018 21:26

Tgt Ion: 112 Resp: 114920
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 56.6 45.1 67.7

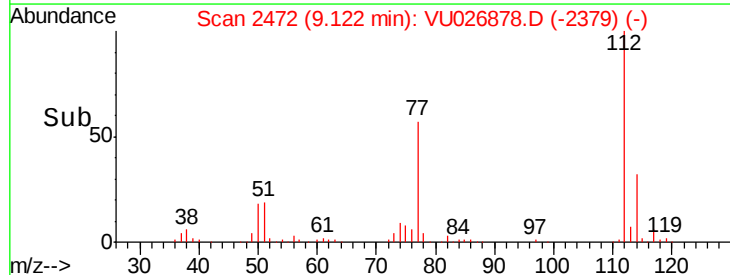


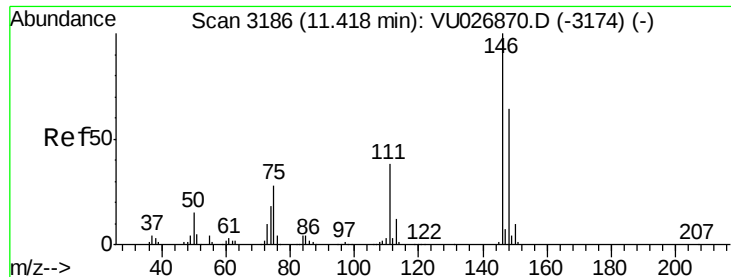
Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU0



Time-->





#62

1,3-Dichlorobenzene

Concen: 10.791 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026878.D

Acq: 18 Sep 2018 21:26

Instrument :

MSVOA_U

ClientSampleId :

C08L0DL

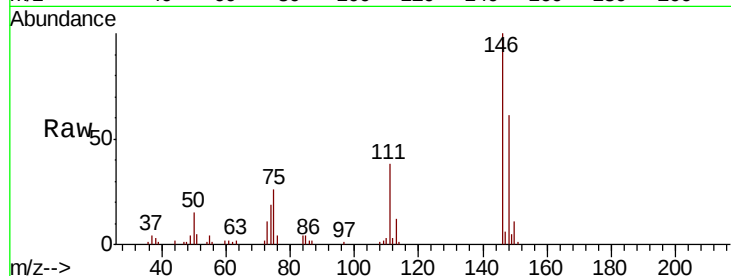
Tot Ion:146 Resp: 31207

Ion Ratio Lower Upper

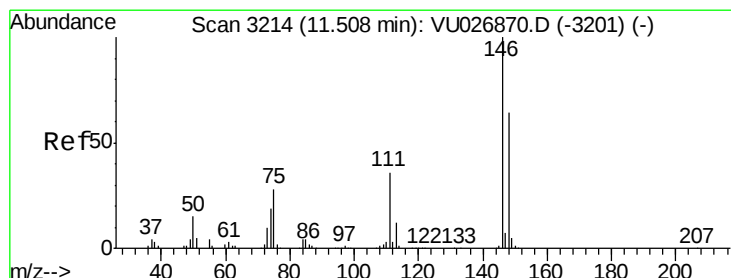
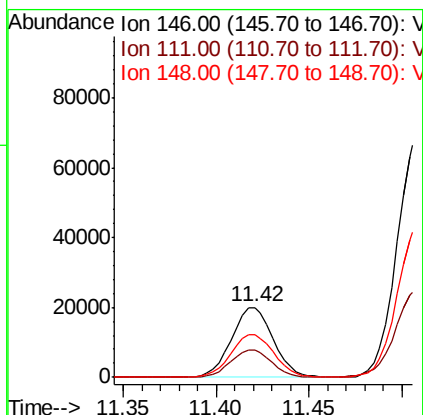
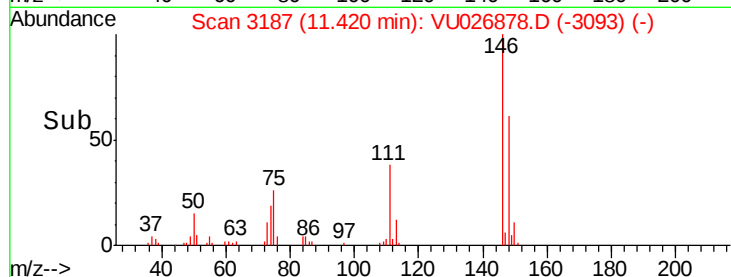
146 100

111 38.2 26.7 49.7

148 60.7 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: 34.240 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU026878.D

Acq: 18 Sep 2018 21:26

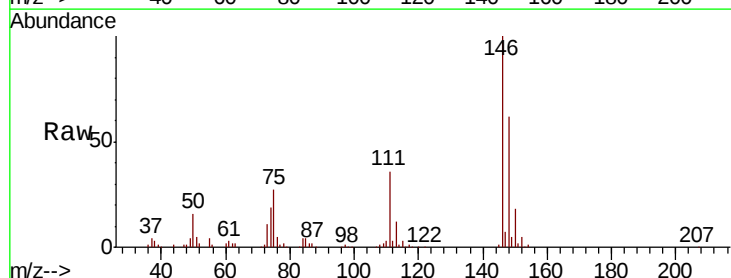
Tgt Ion:146 Resp: 109032

Ion Ratio Lower Upper

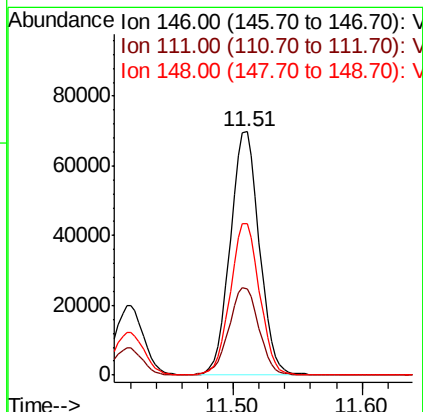
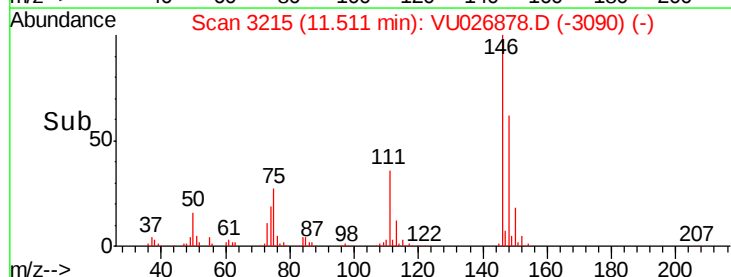
146 100

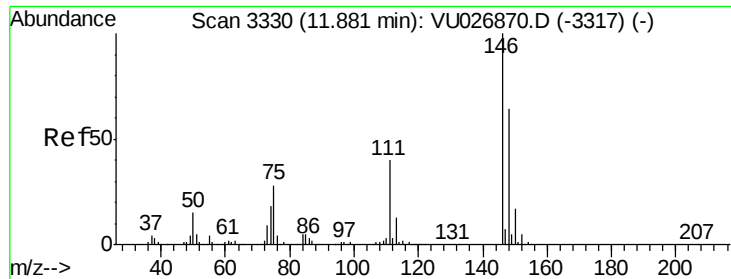
111 35.6 26.0 48.2

148 62.4 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

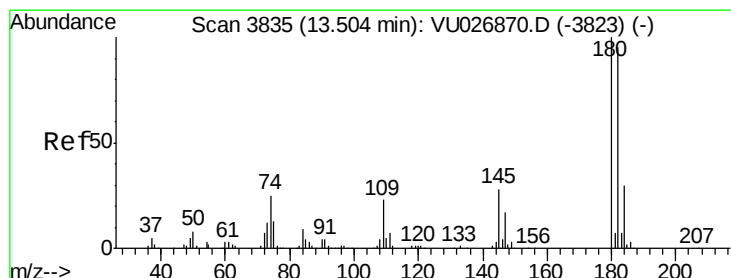
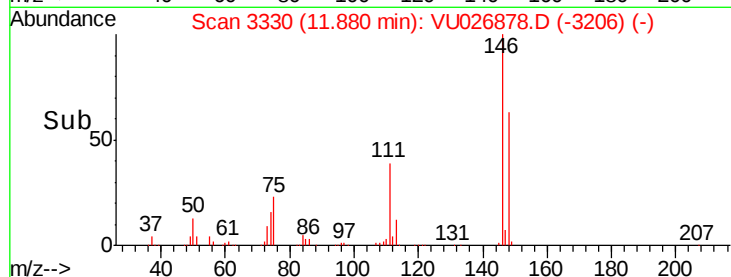
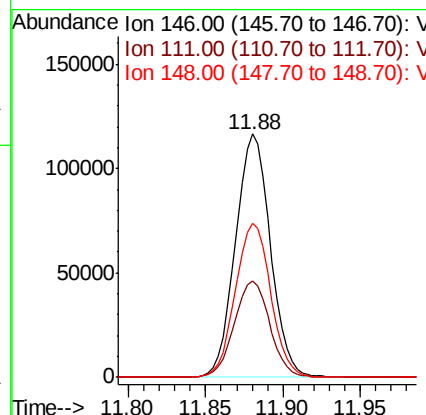
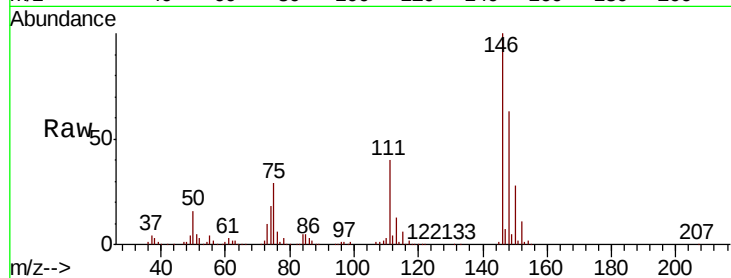




#65
 1,2-Dichlorobenzene
 Concen: 57.101 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026878.D
 Acq: 18 Sep 2018 21:26

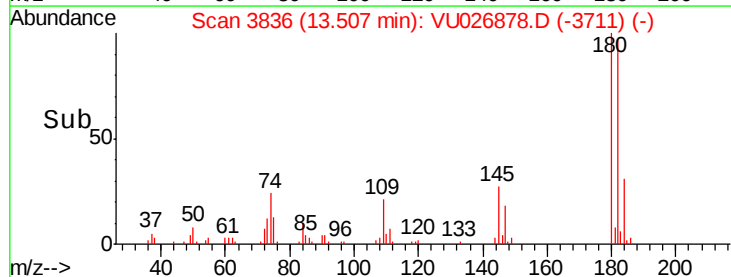
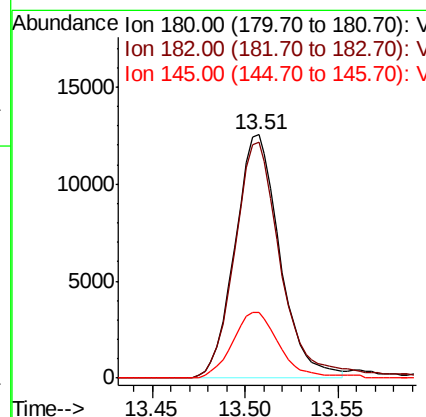
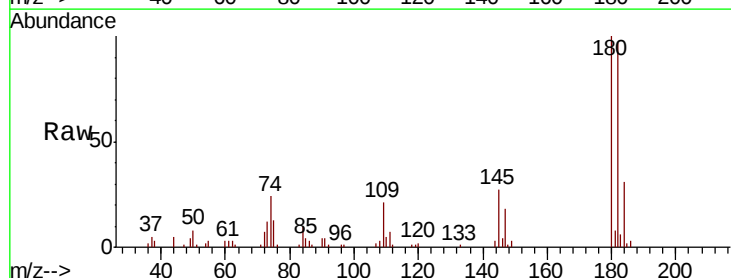
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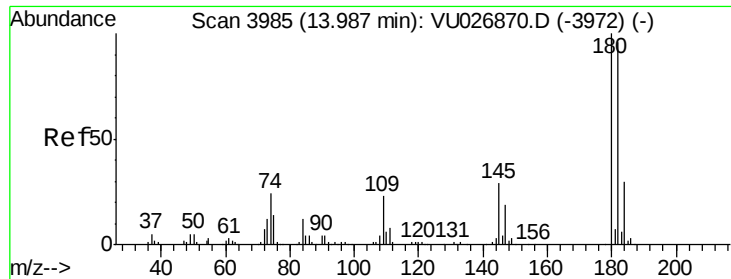
Tot Ion:146 Resp: 182843
 Ion Ratio Lower Upper
 146 100
 111 39.7 31.4 47.0
 148 63.3 51.4 77.2



#68
 1,2,4-trichlorobenzene
 Concen: 10.947 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026878.D
 Acq: 18 Sep 2018 21:26

Tgt Ion:180 Resp: 21110
 Ion Ratio Lower Upper
 180 100
 182 100.1 76.8 115.2
 145 27.9 22.2 33.2

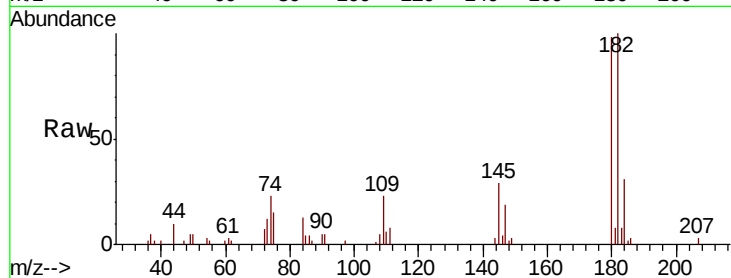




#70
 1,2,3-Trichlorobenzene
 Concen: 6.213 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026878.D
 Acq: 18 Sep 2018 21:26

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L0DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.6	113.4
145	29.1	23.8	35.6



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

