

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U091818\
 Data File : VU026877.D
 Acq On : 18 Sep 2018 21:03
 Operator : MD/SY
 Sample : J4896-10DL 250X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L6DL

Quant Time: Sep 19 07:57:50 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	229191	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	220187	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	93414	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58123	34.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.56%
7) Chloroethane-d5	1.68	69	56176	38.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.42%
11) 1,1-Dichloroethene-d2	2.27	63	85918	26.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.56%#
21) 2-Butanone-d5	4.18	46	122305	108.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.71%
24) Chloroform-d	4.65	84	136037	43.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.52%
26) 1,2-Dichloroethane-d4	5.31	65	88224	44.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.10%
32) Benzene-d6	5.34	84	253695	41.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.22%
36) 1,2-Dichloropropane-d6	6.33	67	89295	44.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.82%
41) Toluene-d8	7.57	98	206648	37.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.14%#
43) trans-1,3-Dichloropropene-	7.85	79	35517	40.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.02%
47) 2-Hexanone-d5	8.31	63	82530	105.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.61%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	131217	47.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	92101	47.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

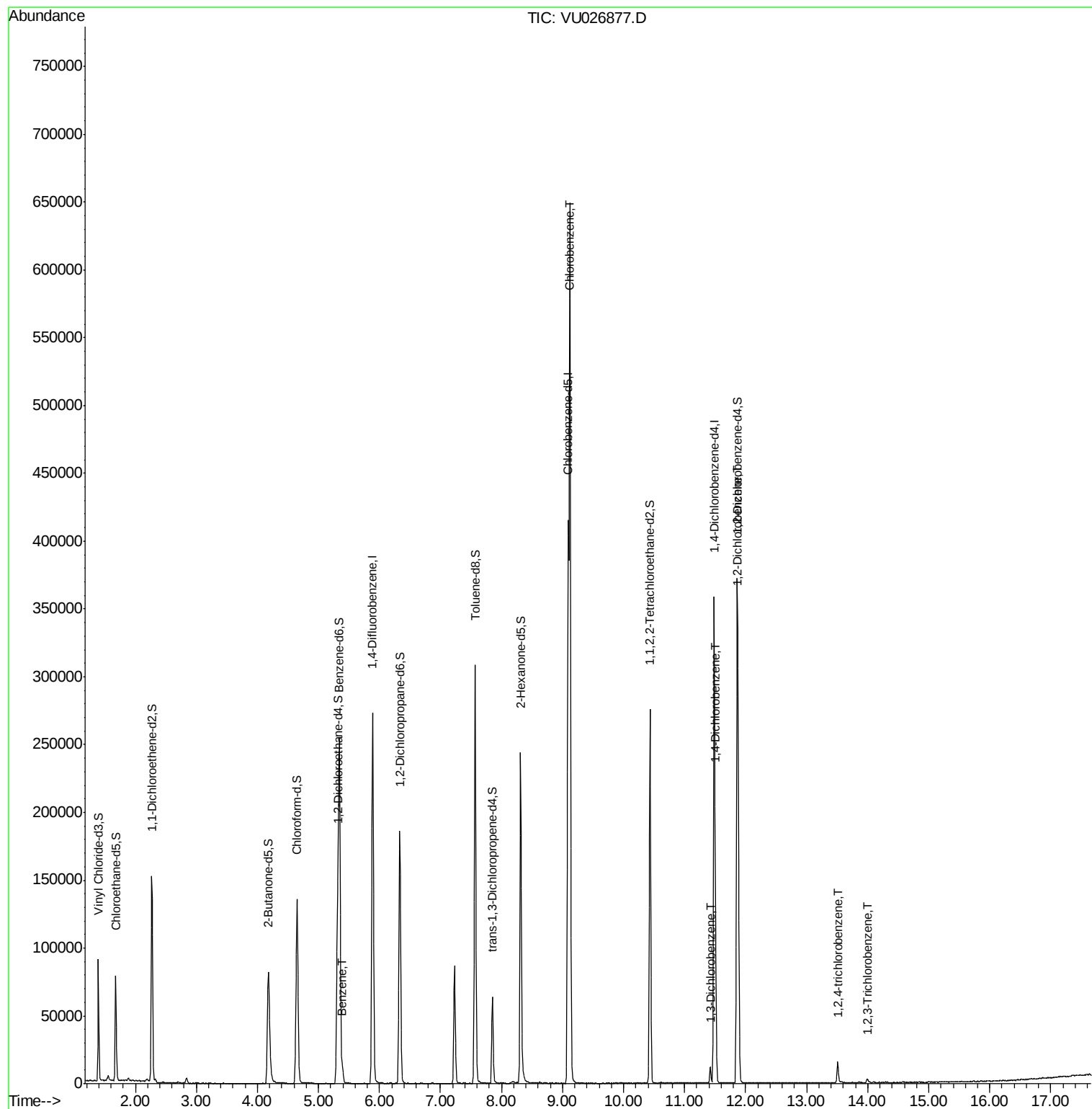
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
33) Benzene	5.39	78	10961	1.606	ug/L	100
51) Chlorobenzene	9.12	112	344826	73.562	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	5618	1.973	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	33707	10.749	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	71212	22.584	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	6412	3.377	ug/L	96
70) 1,2,3-Trichlorobenzene	14.00	180	1516	0.725	ug/L #	56

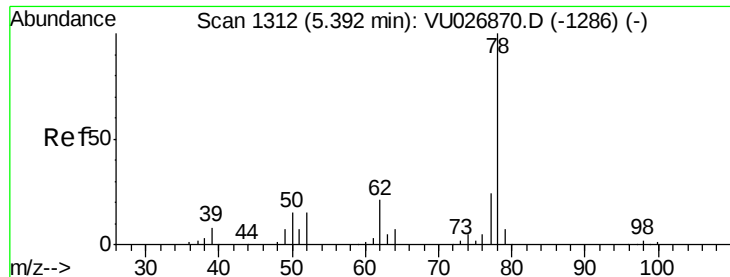
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#33

Benzene

Concen: 1.606 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU026877.D

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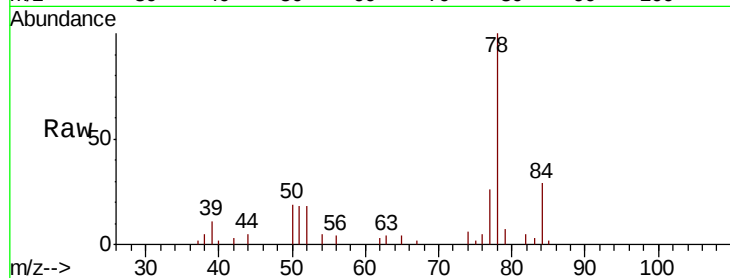
Instrument :

MSVOA_U

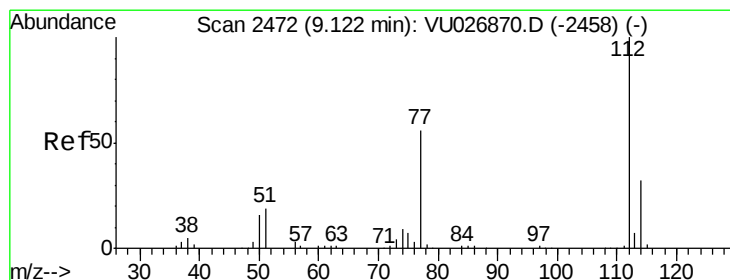
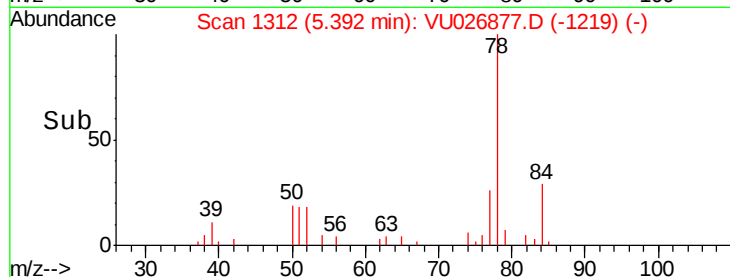
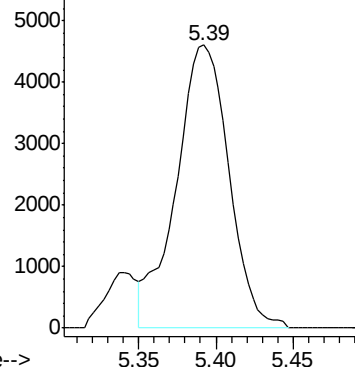
ClientSampleId :

C08L6DL

Tgt Ion: 78 Resp: 10961



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 73.562 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026877.D

Acq: 18 Sep 2018 21:03

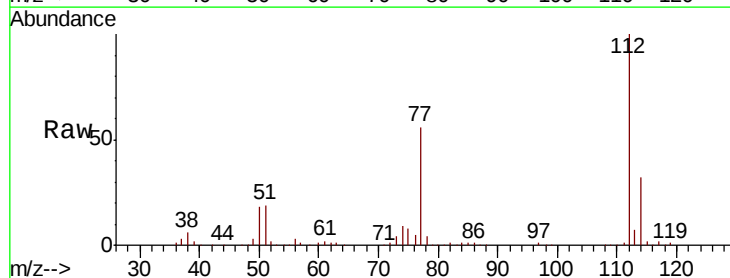
Tgt Ion: 112 Resp: 344826

Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.5

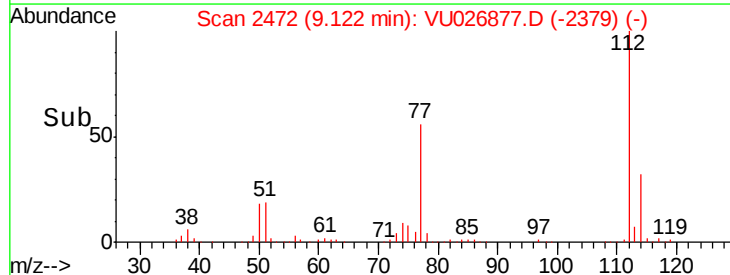
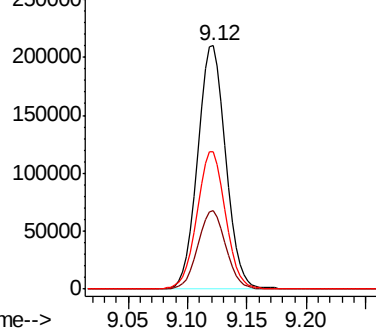
77 56.2 45.1 67.7

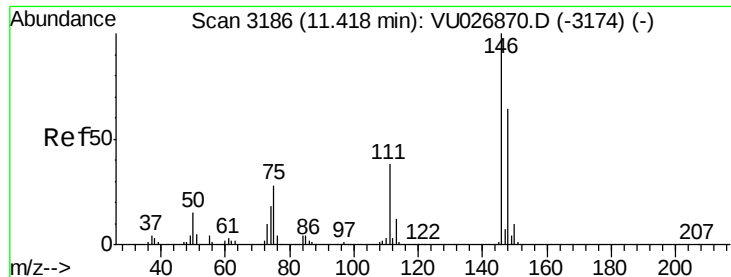


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 1.973 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026877.D

Acq: 18 Sep 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

C08L6DL

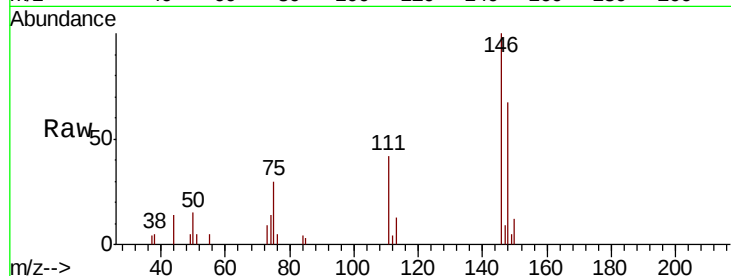
Tot Ion:146 Resp: 5618

Ion Ratio Lower Upper

146 100

111 41.8 26.7 49.7

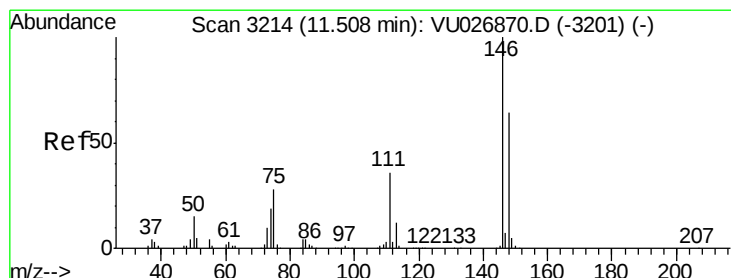
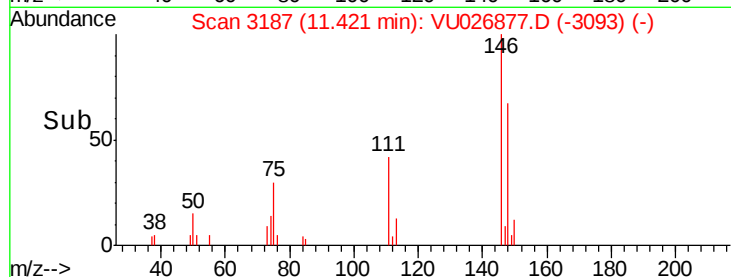
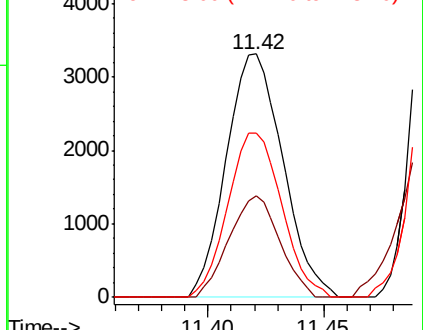
148 67.3 44.9 83.5



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: 10.749 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026877.D

Acq: 18 Sep 2018 21:03

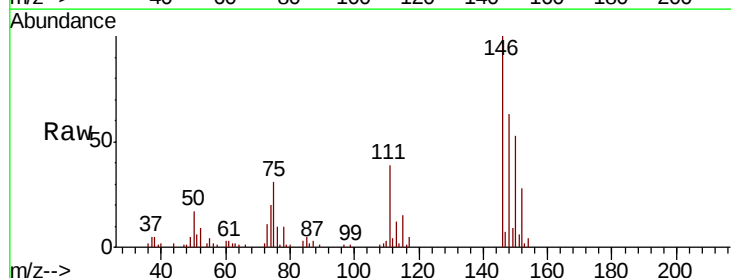
Tgt Ion:146 Resp: 33707

Ion Ratio Lower Upper

146 100

111 38.5 26.0 48.2

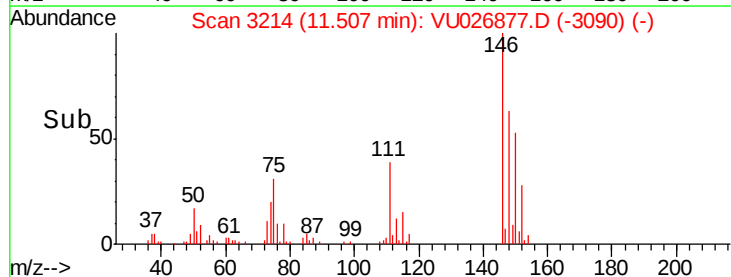
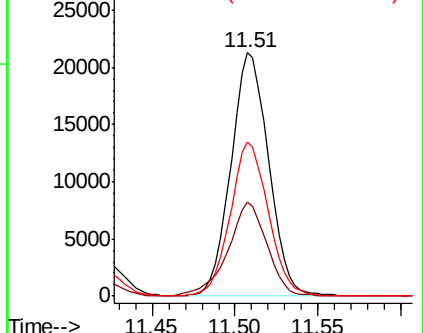
148 63.3 45.8 85.2

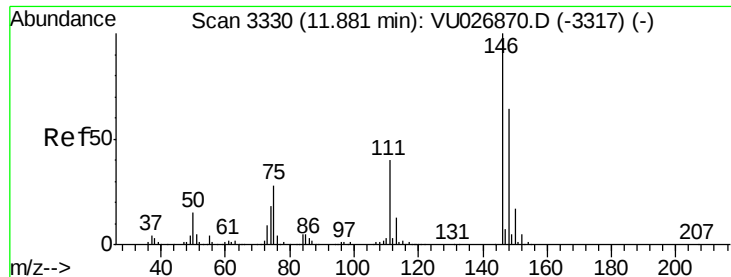


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

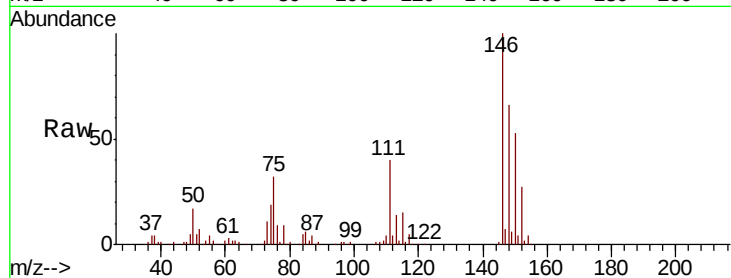




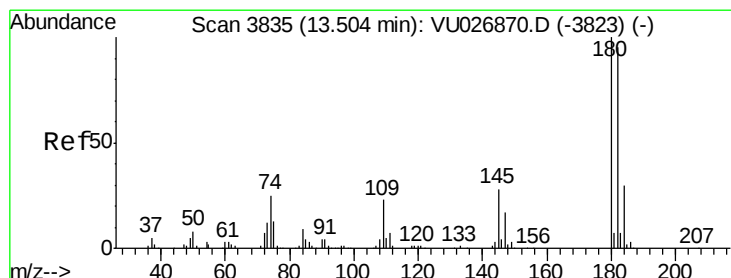
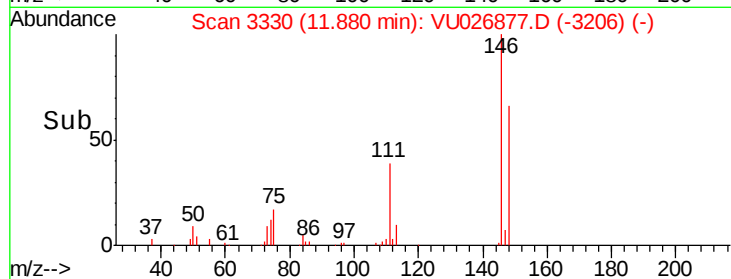
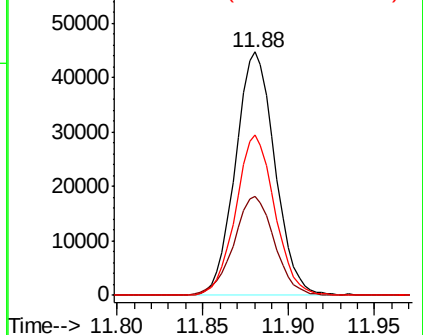
#65
 1,2-Dichlorobenzene
 Concen: 22.584 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026877.D
 Acq: 18 Sep 2018 21:03

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Tot Ion:146 Resp: 71212
 Ion Ratio Lower Upper
 146 100
 111 40.4 31.4 47.0
 148 65.8 51.4 77.2

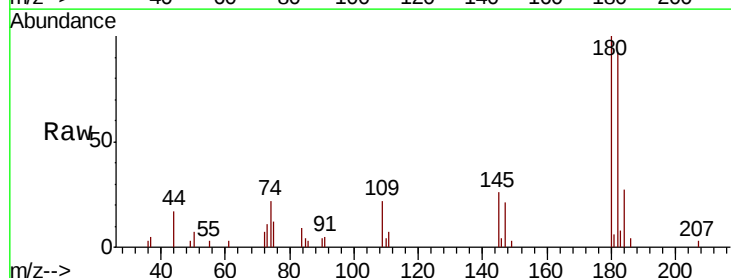


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

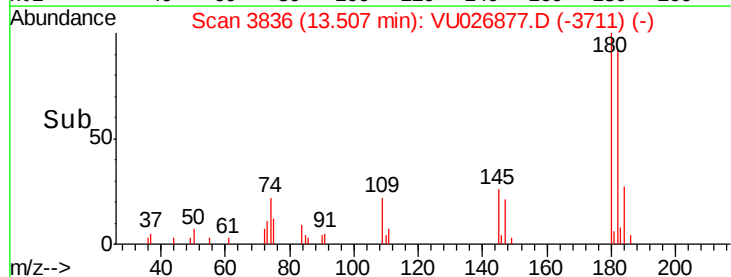
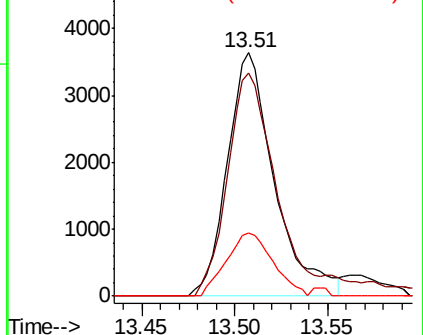


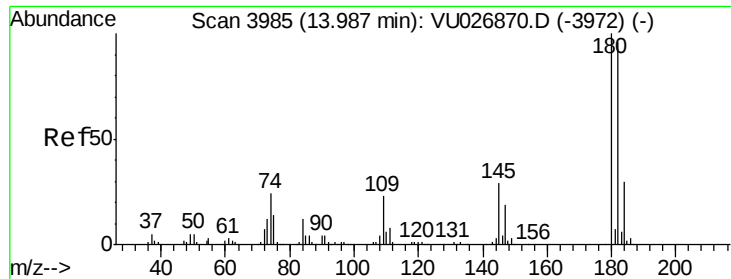
#68
 1,2,4-trichlorobenzene
 Concen: 3.377 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026877.D
 Acq: 18 Sep 2018 21:03

Tgt Ion:180 Resp: 6412
 Ion Ratio Lower Upper
 180 100
 182 92.2 76.8 115.2
 145 25.7 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

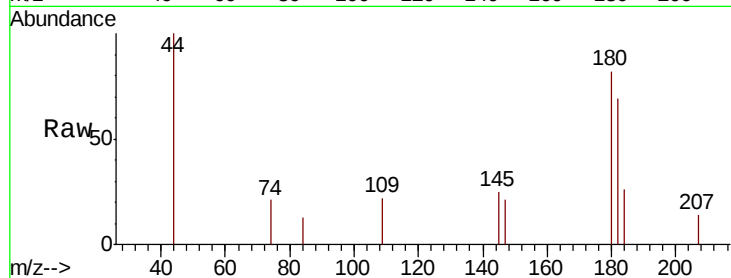




#70
 1,2,3-Trichlorobenzene
 Concen: 0.725 ug/L
 RT: 14.00 min Scan# 3988
 Delta R.T. 0.01 min
 Lab File: VU026877.D
 Acq: 18 Sep 2018 21:03

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L6DL

Tot Ion:180 Resp: 1516
 Ion Ratio Lower Upper
 180 100
 182 45.6 75.6 113.4#
 145 16.8 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

