

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091818\
 Data File : VU026876.D
 Acq On : 18 Sep 2018 20:40
 Operator : MD/SY
 Sample : J4896-09 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L4

Quant Time: Sep 19 07:52:42 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	221577	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	213698	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	90612	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56478	34.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.92%
7) Chloroethane-d5	1.67	69	54943	39.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.32%
11) 1,1-Dichloroethene-d2	2.27	63	84255	27.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.34%#
21) 2-Butanone-d5	4.18	46	126860	116.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.63%
24) Chloroform-d	4.65	84	134002	44.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.14%
26) 1,2-Dichloroethane-d4	5.31	65	89280	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.26%
32) Benzene-d6	5.34	84	253364	42.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.62%
36) 1,2-Dichloropropane-d6	6.33	67	88976	46.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.22%
41) Toluene-d8	7.57	98	201496	37.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.48%#
43) trans-1,3-Dichloropropene-	7.85	79	35403	41.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.18%
47) 2-Hexanone-d5	8.31	63	85405	112.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.61%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	132115	49.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	93412	49.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.12%

Target Compounds

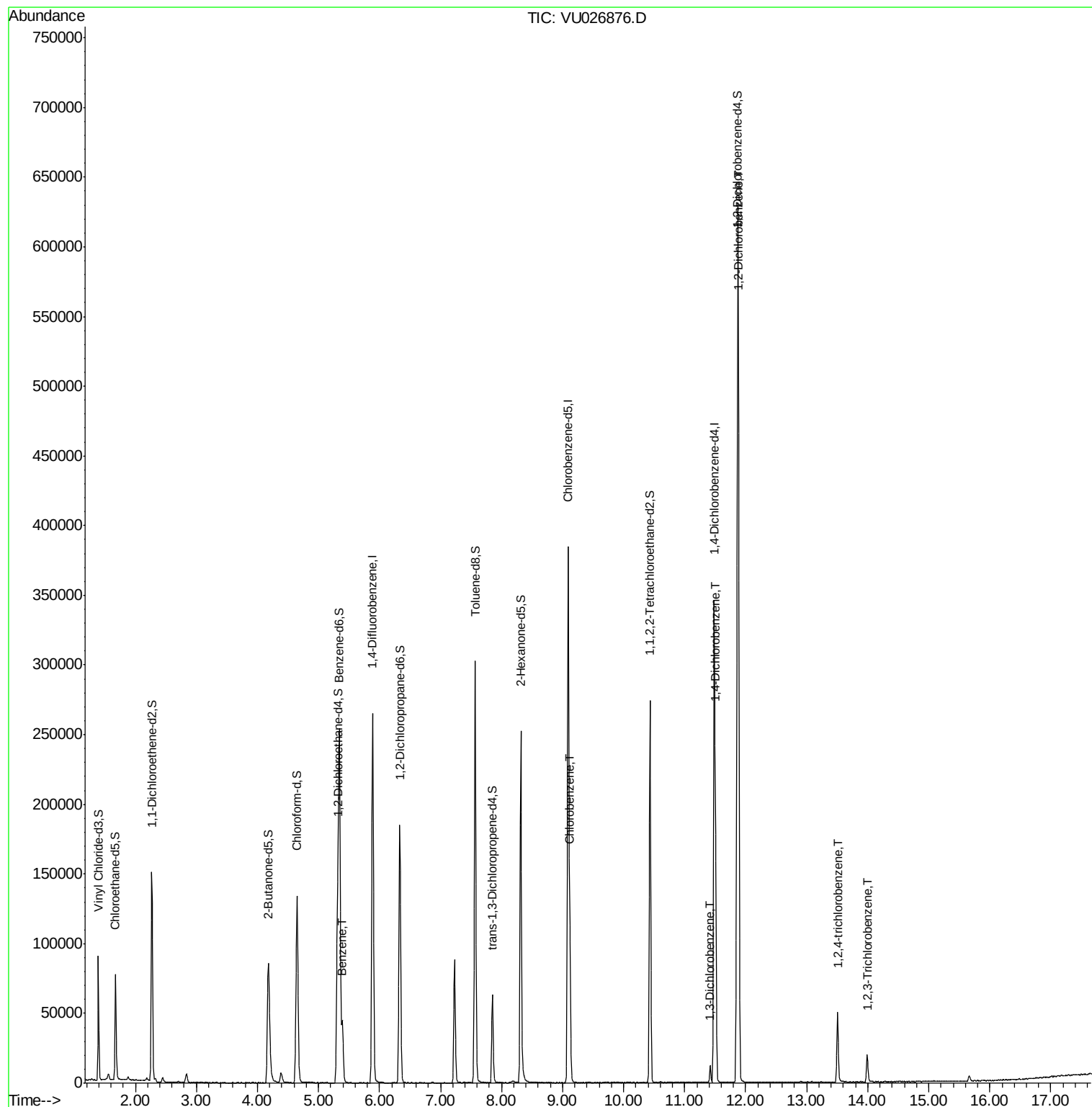
					Ovalue
33) Benzene	5.39	78	43232	6.525 ug/L	100
51) Chlorobenzene	9.12	112	56039	12.318 ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	5816	2.106 ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	61168	20.110 ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	226503	74.055 ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	18678	10.140 ug/L	96
70) 1,2,3-Trichlorobenzene	13.99	180	8062	3.974 ug/L	96

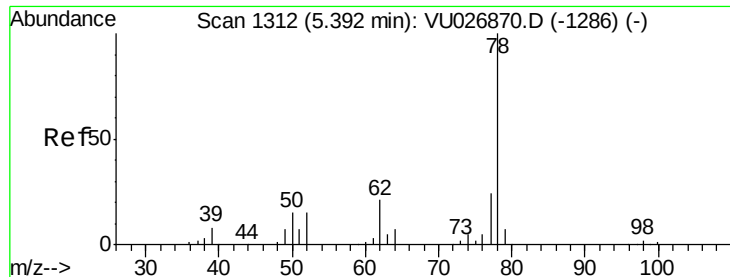
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 19 07:38:56 2018
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#33

Benzene

Concen: 6.525 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU026876.D

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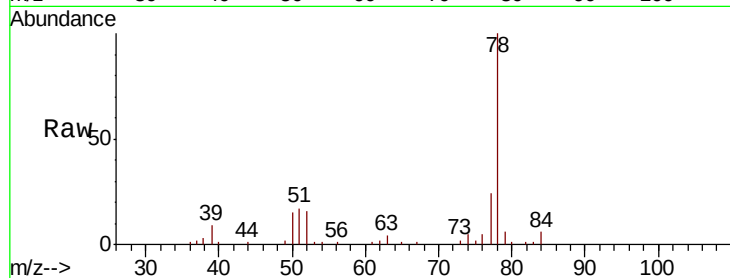
Instrument :

MSVOA_U

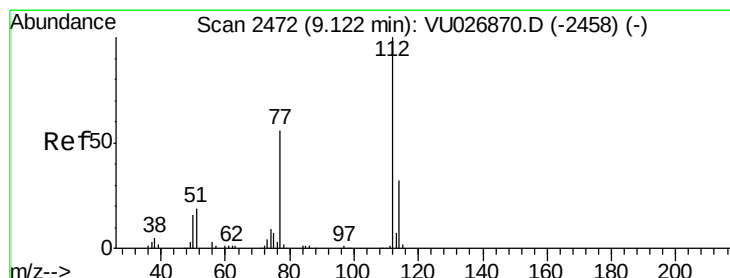
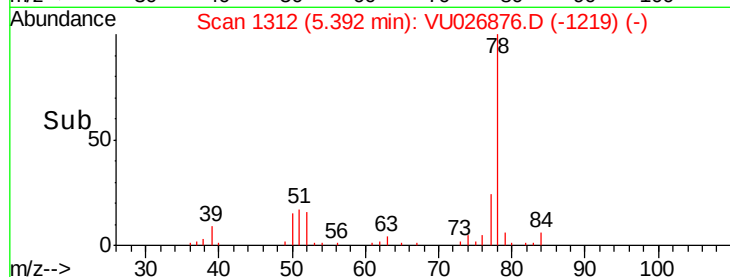
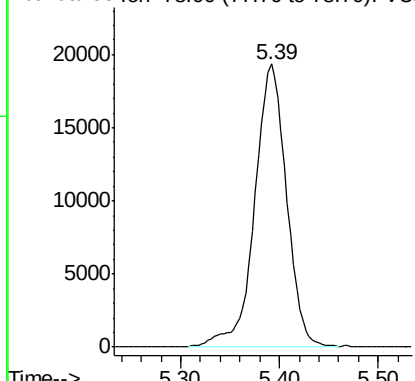
ClientSampled :

C08L4

Tgt Ion: 78 Resp: 43232



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 12.318 ug/L

RT: 9.12 min Scan# 2472

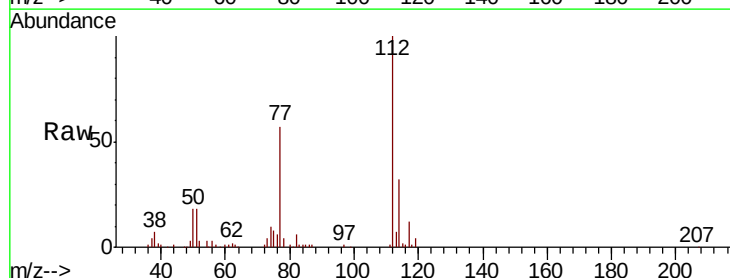
Delta R.T. -0.00 min

Lab File: VU026876.D

Acq: 18 Sep 2018 20:40

Tgt Ion: 112 Resp: 56039

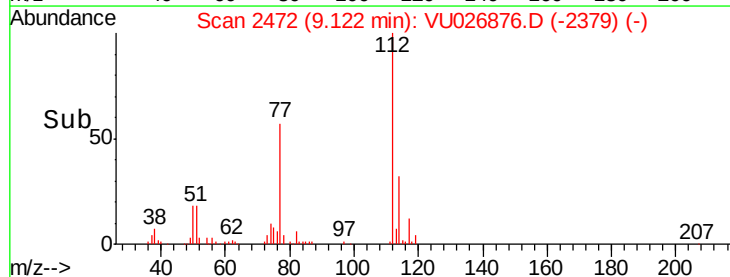
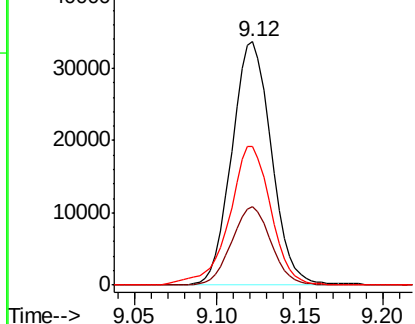
Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.3	41.5
77	56.8	45.1	67.7

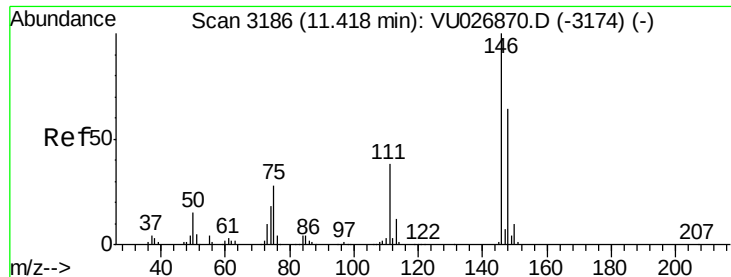


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 2.106 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026876.D

Acq: 18 Sep 2018 20:40

Instrument :

MSVOA_U

ClientSampleId :

C08L4

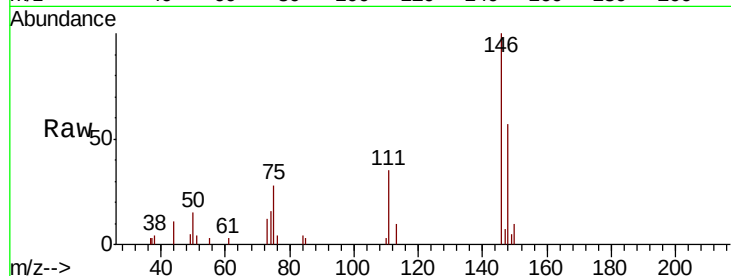
Tot Ion:146 Resp: 5816

Ion Ratio Lower Upper

146 100

111 35.1 26.7 49.7

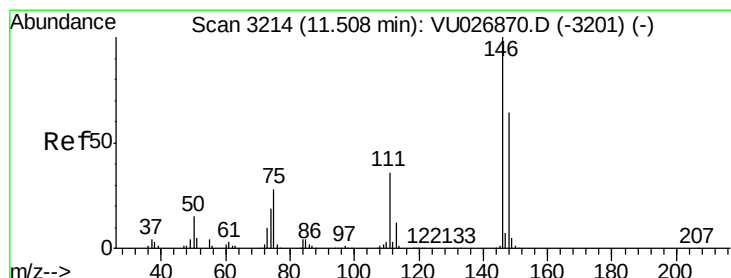
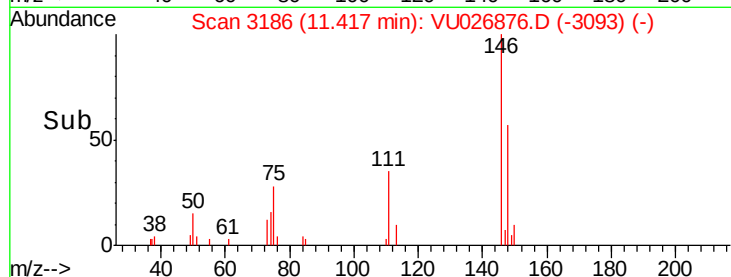
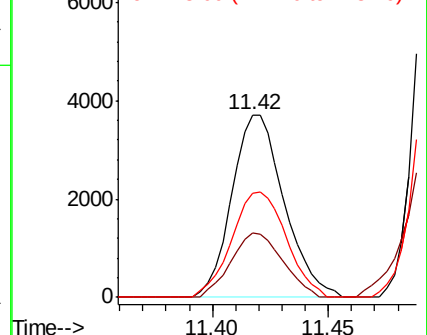
148 57.3 44.9 83.5



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: 20.110 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026876.D

Acq: 18 Sep 2018 20:40

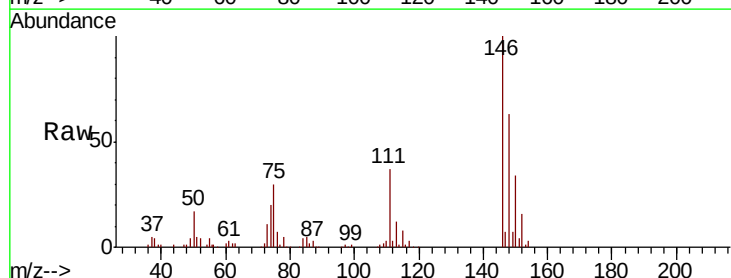
Tgt Ion:146 Resp: 61168

Ion Ratio Lower Upper

146 100

111 36.8 26.0 48.2

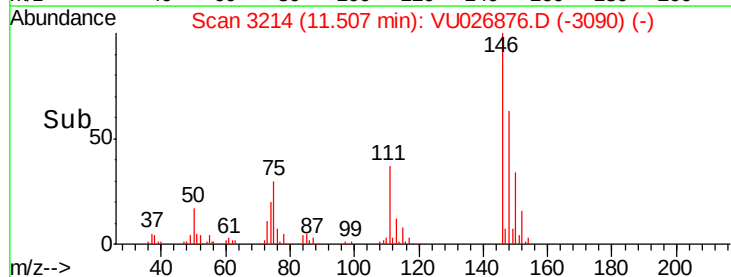
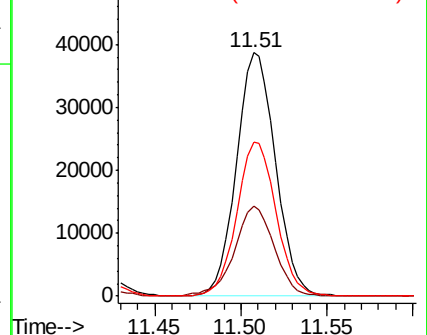
148 63.1 45.8 85.2

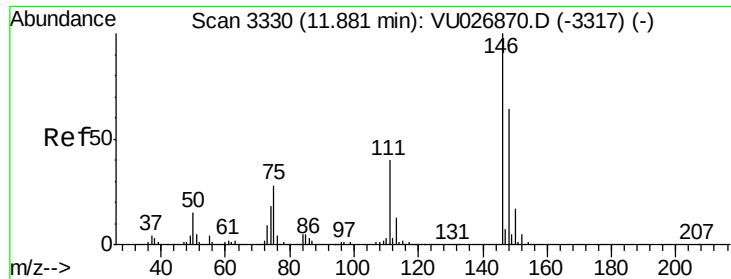


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

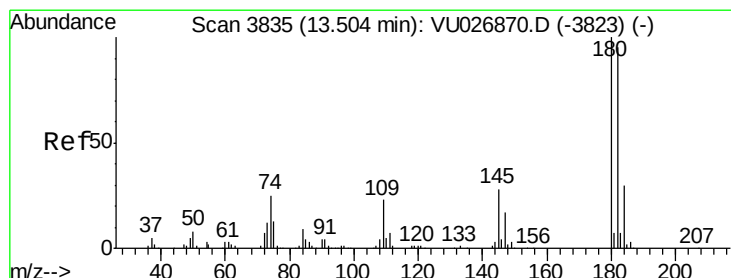
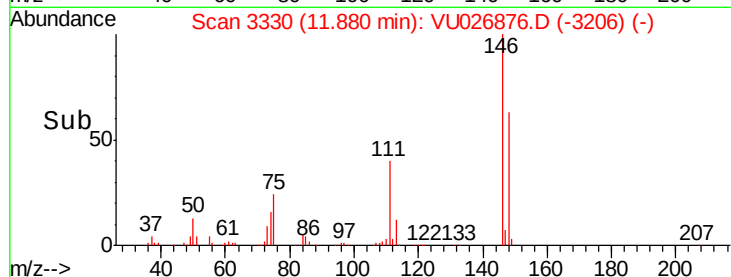
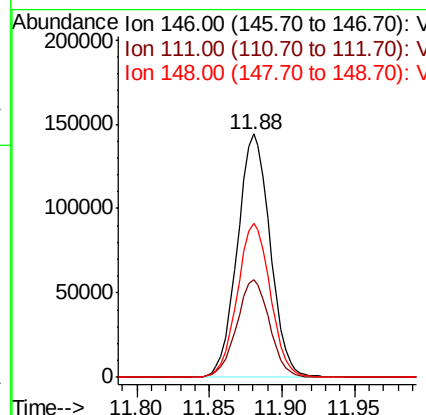
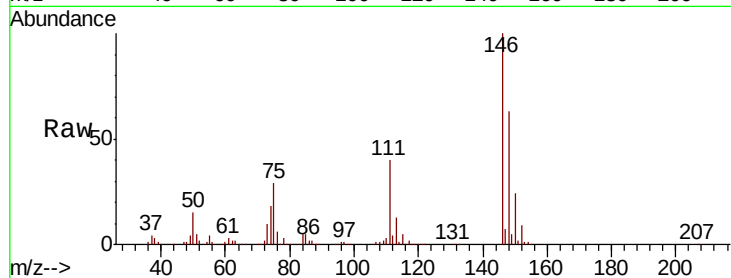




#65
 1,2-Dichlorobenzene
 Concen: 74.055 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026876.D
 Acq: 18 Sep 2018 20:40

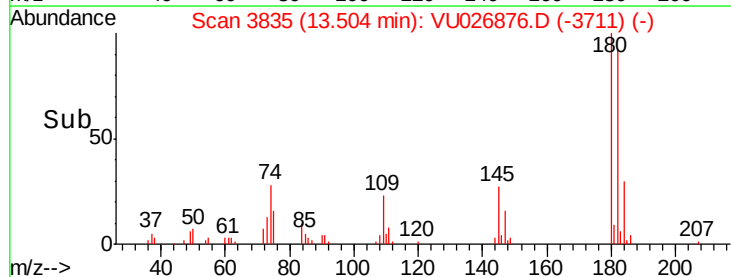
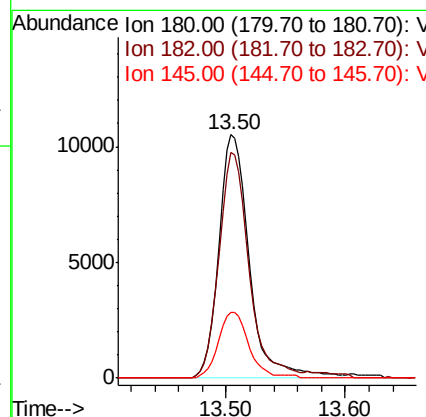
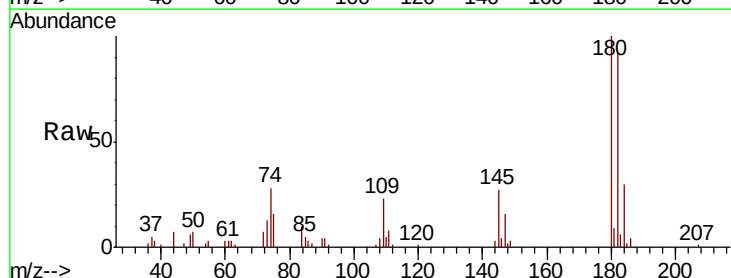
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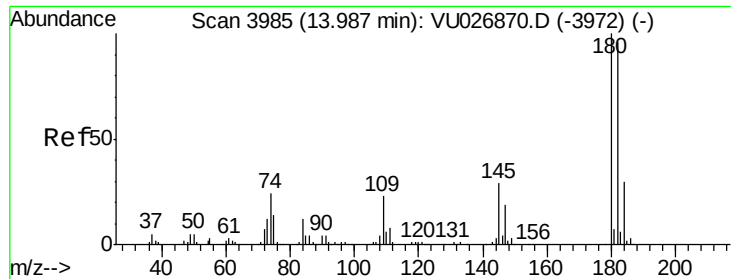
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	31.4	47.0
148	63.2	51.4	77.2



#68
 1,2,4-trichlorobenzene
 Concen: 10.140 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026876.D
 Acq: 18 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.0	76.8	115.2
145	26.5	22.2	33.2

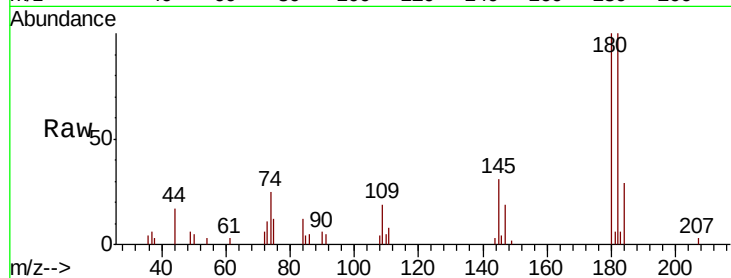




#70
 1,2,3-Trichlorobenzene
 Concen: 3.974 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU026876.D
 Acq: 18 Sep 2018 20:40

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L4

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.6	113.4
145	27.2	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

