

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091818\
 Data File : VU026865.D
 Acq On : 18 Sep 2018 16:24
 Operator : MD/SY
 Sample : J4896-15 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N6

Quant Time: Sep 19 07:21:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 19 05:05:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	237999	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	231395	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	104337	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70623	40.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.22%
7) Chloroethane-d5	1.68	69	65545	43.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.27	63	106386	31.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.88%
21) 2-Butanone-d5	4.18	46	129033	110.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.44%
24) Chloroform-d	4.65	84	144986	44.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.31	65	97717	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.04%
32) Benzene-d6	5.34	84	301287	46.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.92%
36) 1,2-Dichloropropane-d6	6.33	67	99739	47.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.46%
41) Toluene-d8	7.57	98	254291	43.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	7.85	79	40111	43.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.00%
47) 2-Hexanone-d5	8.31	63	89255	108.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	138161	47.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.84%
64) 1,2-Dichlorobenzene-d4	11.86	152	109882	50.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.26%

Target Compounds

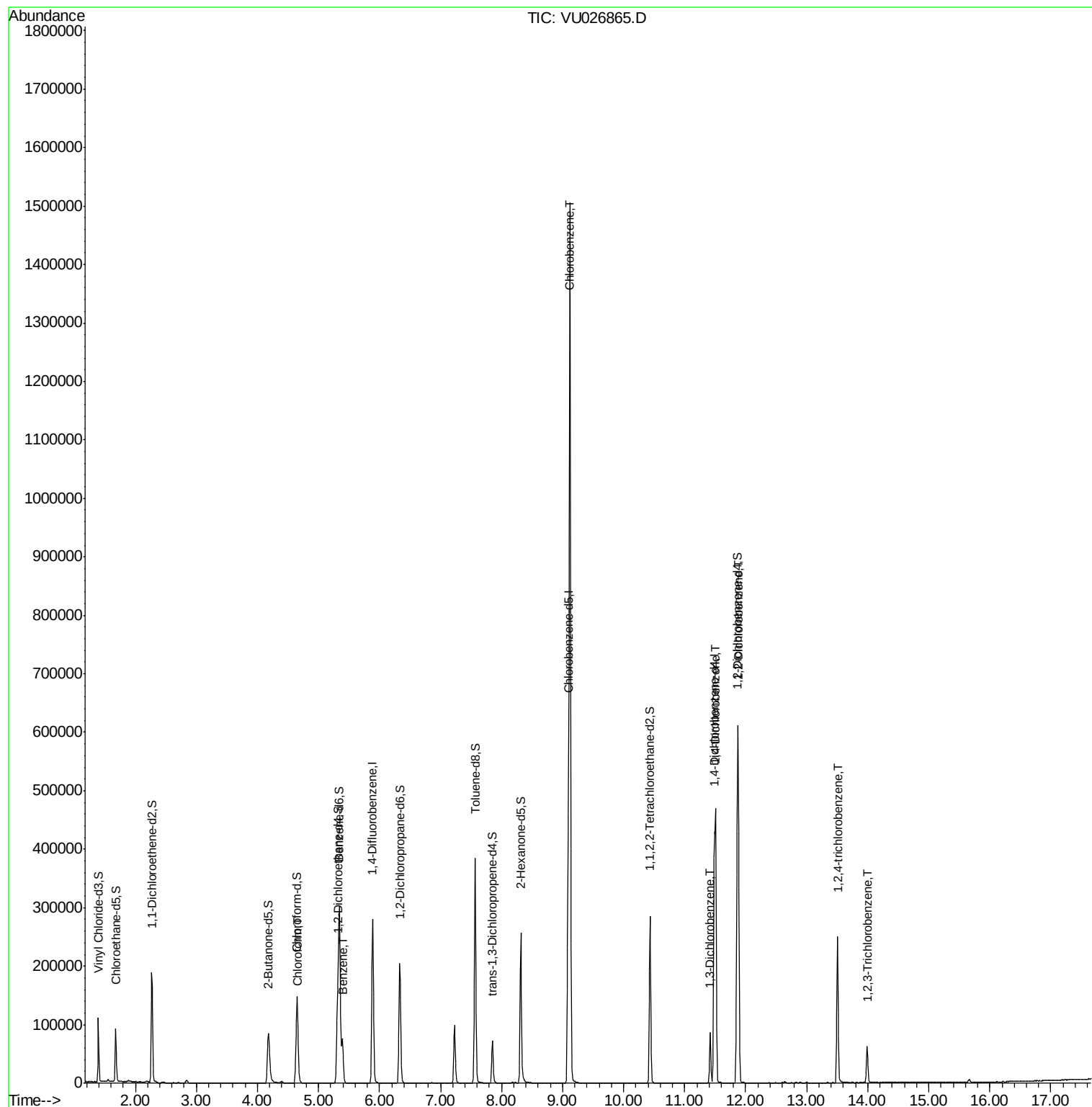
					Ovalue
25) Chloroform	4.67	83	4783	1.440 ug/L	92
33) Benzene	5.39	78	74304	10.357 ug/L	100
51) Chlorobenzene	9.12	112	794468	161.275 ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	37248	11.711 ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	180174	51.444 ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	208002	59.060 ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	82767	39.022 ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	22145	9.481 ug/L	100

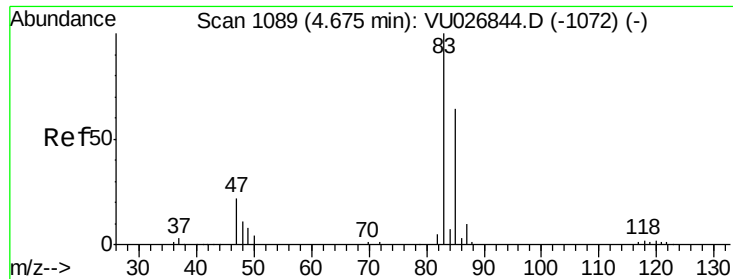
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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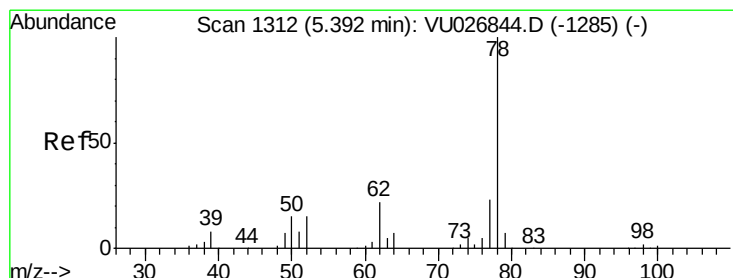
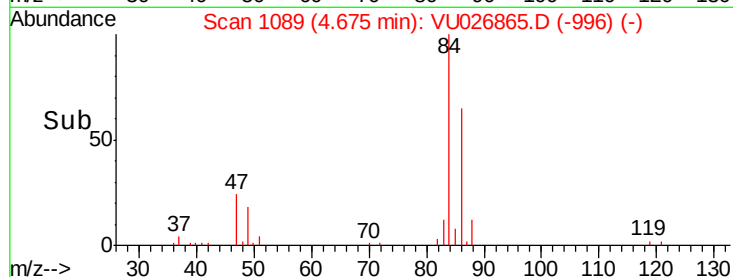
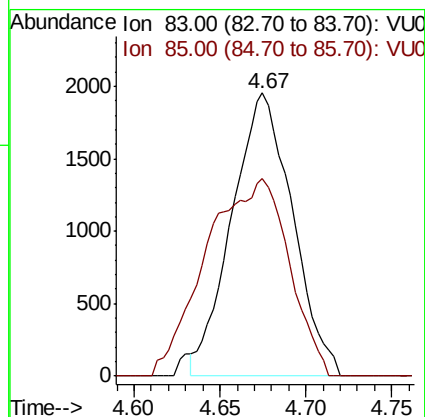
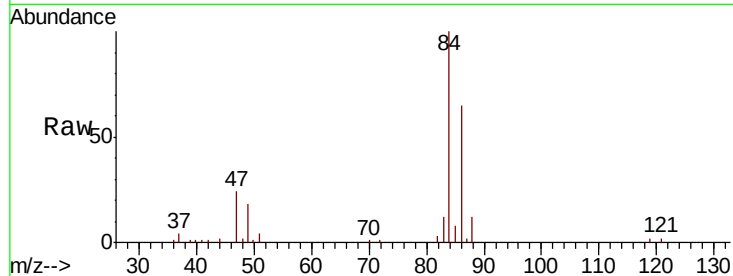




#25
Chloroform
Concen: 1.440 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026865.D
Acq: 18 Sep 2018 16:24

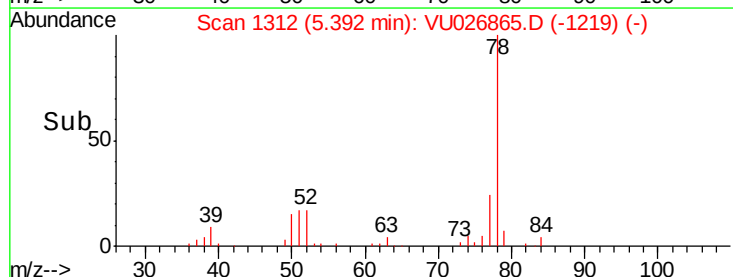
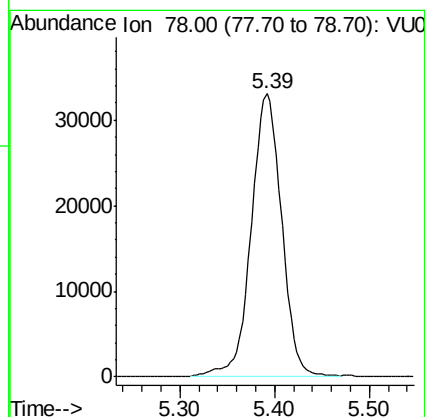
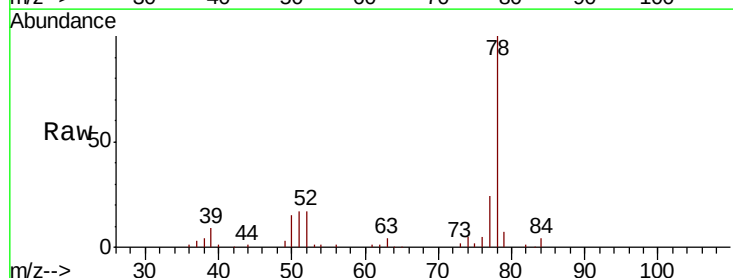
Instrument :
MSVOA_U
ClientSampleId :
C08N6

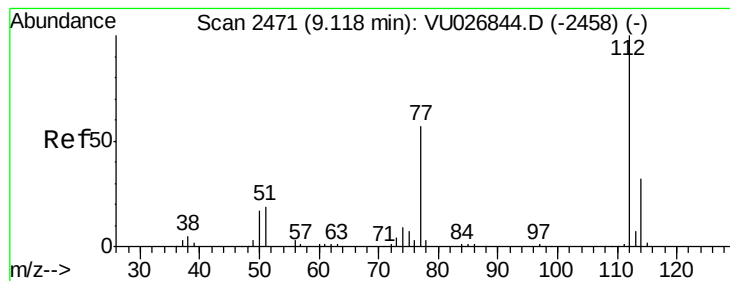
Tot Ion: 83 Resp: 4783
Ion Ratio Lower Upper
83 100
85 69.7 44.4 82.5



#33
Benzene
Concen: 10.357 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026865.D
Acq: 18 Sep 2018 16:24

Tgt Ion: 78 Resp: 74304





#51

Chlorobenzene

Concen: 161.275 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026865.D

Acq: 18 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

C08N6

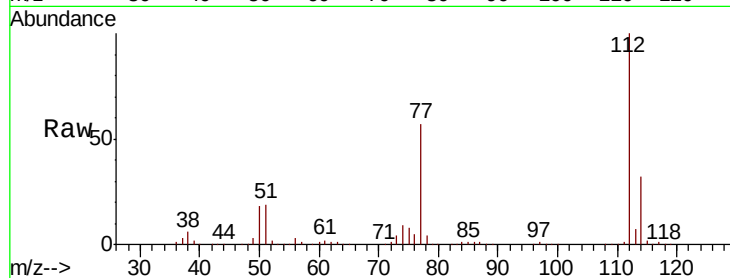
Tot Ion:112 Resp: 794468

Ion Ratio Lower Upper

112 100

114 32.2 22.3 41.5

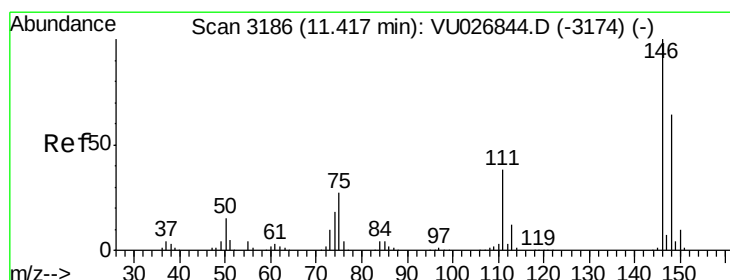
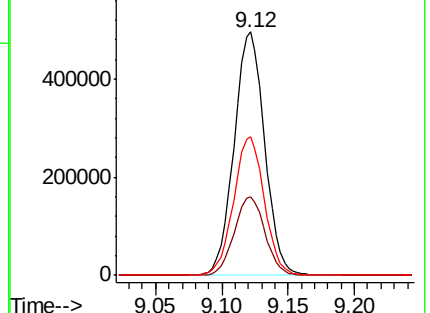
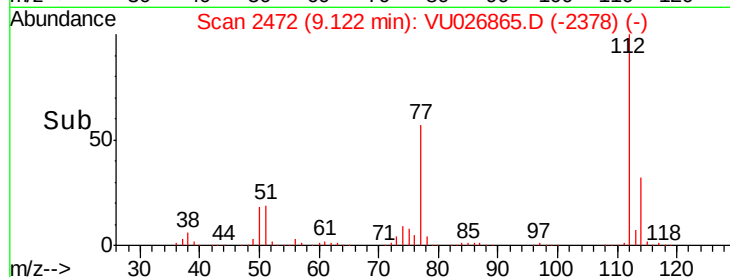
77 56.8 45.1 67.7



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): VU



#62

1,3-Dichlorobenzene

Concen: 11.711 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026865.D

Acq: 18 Sep 2018 16:24

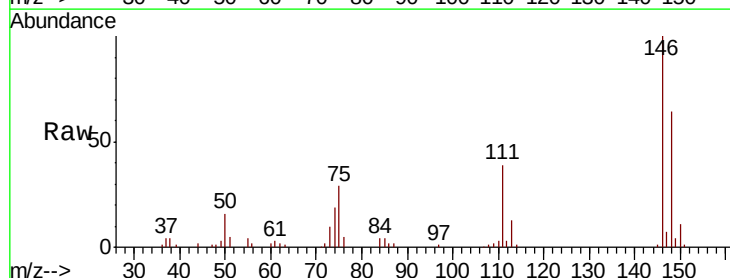
Tgt Ion:146 Resp: 37248

Ion Ratio Lower Upper

146 100

111 39.0 26.7 49.7

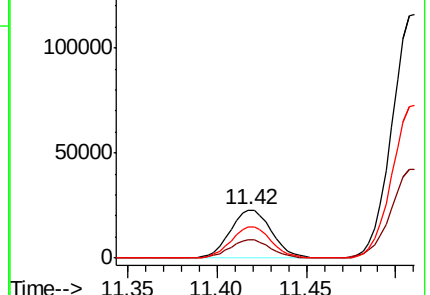
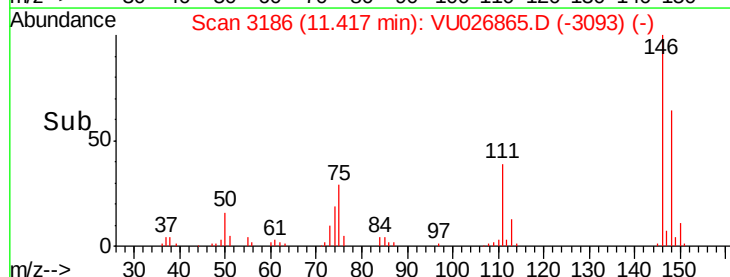
148 64.4 44.9 83.5

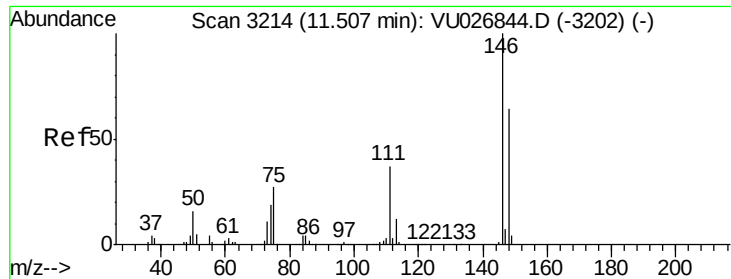


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

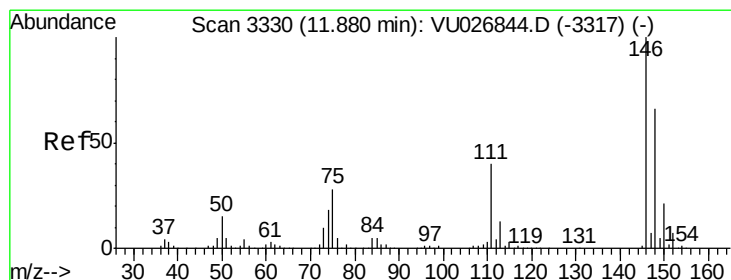
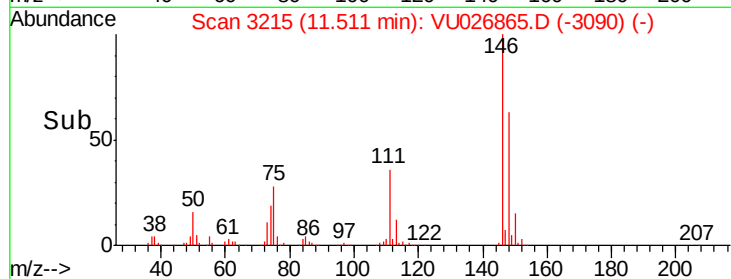
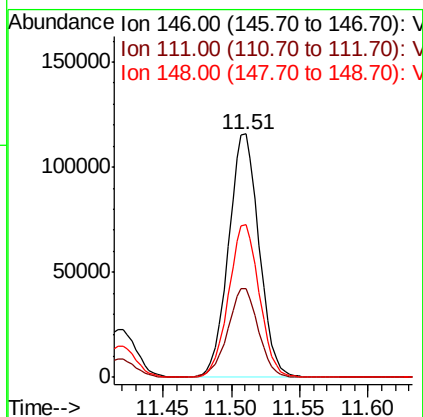
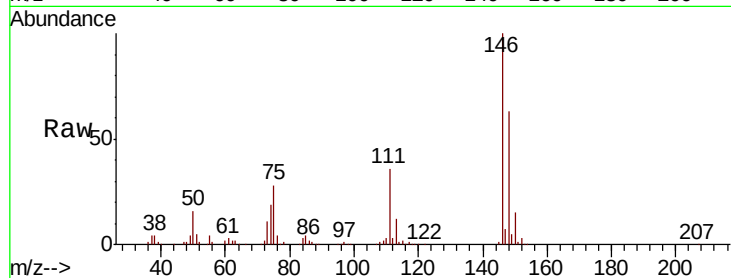




#63
 1,4-Dichlorobenzene
 Concen: 51.444 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026865.D
 Acq: 18 Sep 2018 16:24

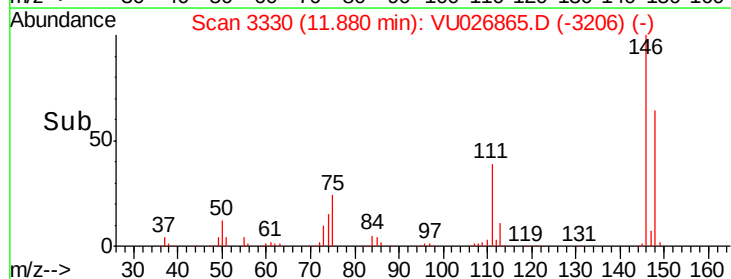
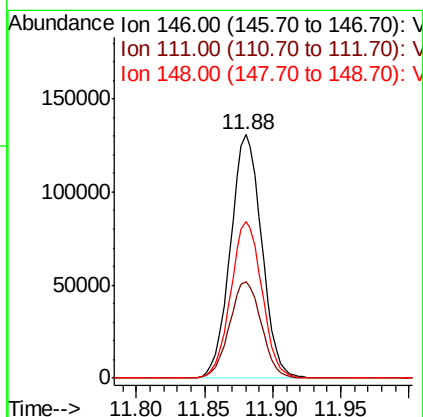
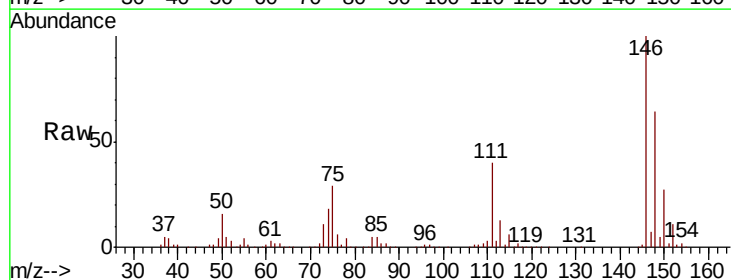
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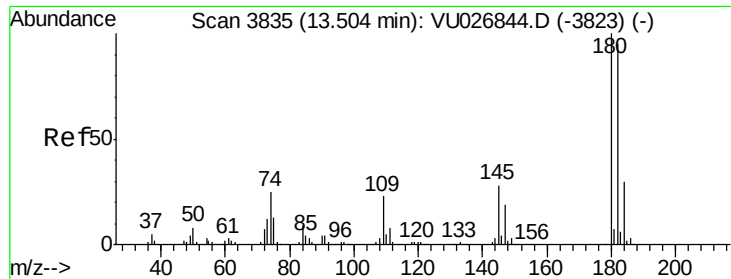
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	26.0	48.2
148	62.9	45.8	85.2



#65
 1,2-Dichlorobenzene
 Concen: 59.060 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026865.D
 Acq: 18 Sep 2018 16:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	31.4	47.0
148	64.4	51.4	77.2

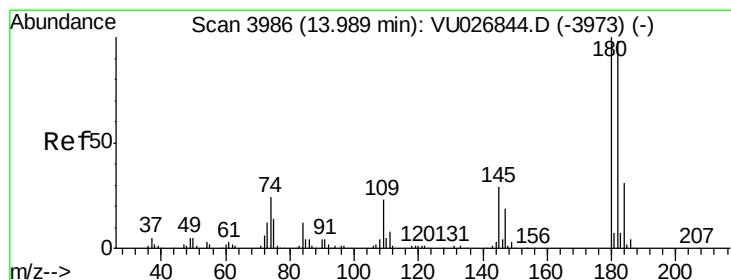
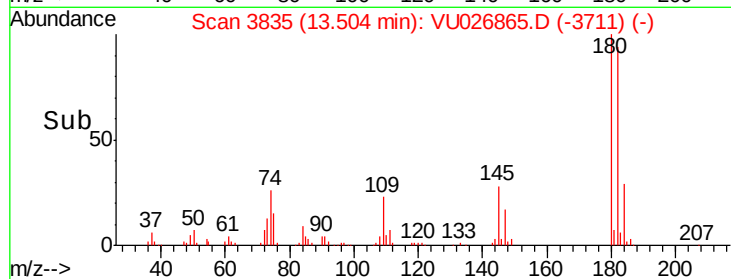
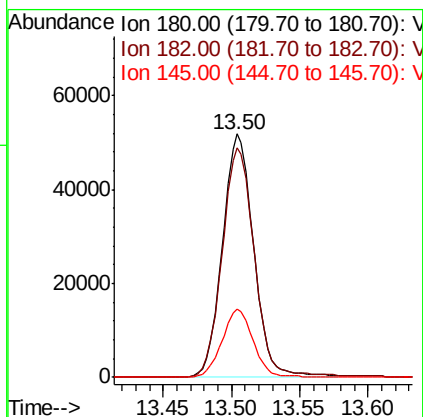
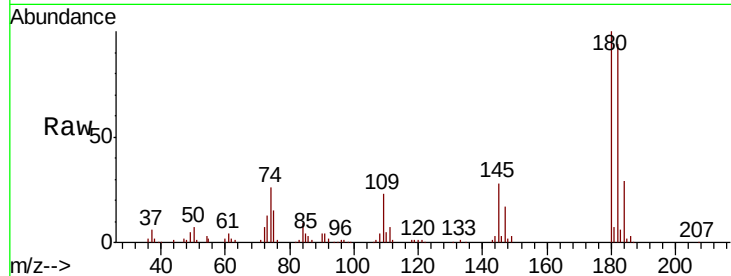




#68
 1,2,4-trichlorobenzene
 Concen: 39.022 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026865.D
 Acq: 18 Sep 2018 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N6

Tot Ion:180 Resp: 82767
 Ion Ratio Lower Upper
 180 100
 182 97.8 76.8 115.2
 145 28.1 22.2 33.2



#70
 1,2,3-Trichlorobenzene
 Concen: 9.481 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026865.D
 Acq: 18 Sep 2018 16:24

Tgt Ion:180 Resp: 22145
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.6 113.4
 145 29.4 23.8 35.6

