

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092118\
 Data File : VU026946.D
 Acq On : 20 Sep 2018 20:21
 Operator : MD/SY
 Sample : J5012-03 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K5

Quant Time: Sep 21 06:37:27 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	246947	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	230983	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	121708	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	90553	49.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.14%
7) Chloroethane-d5	1.66	69	78924	50.48	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.96%
11) 1,1-Dichloroethene-d2	2.26	63	127331	36.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.68%
21) 2-Butanone-d5	4.18	46	148919	122.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.84%
24) Chloroform-d	4.65	84	166911	49.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.52%
26) 1,2-Dichloroethane-d4	5.31	65	107968	50.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.20%
32) Benzene-d6	5.34	84	340854	52.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.32%
36) 1,2-Dichloropropane-d6	6.33	67	110028	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.50%
41) Toluene-d8	7.57	98	296142	50.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.28%
43) trans-1,3-Dichloropropene-	7.85	79	48733	52.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.66%
47) 2-Hexanone-d5	8.31	63	111445	135.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	135.95%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	156884	53.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	141416	55.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.70%

Target Compounds

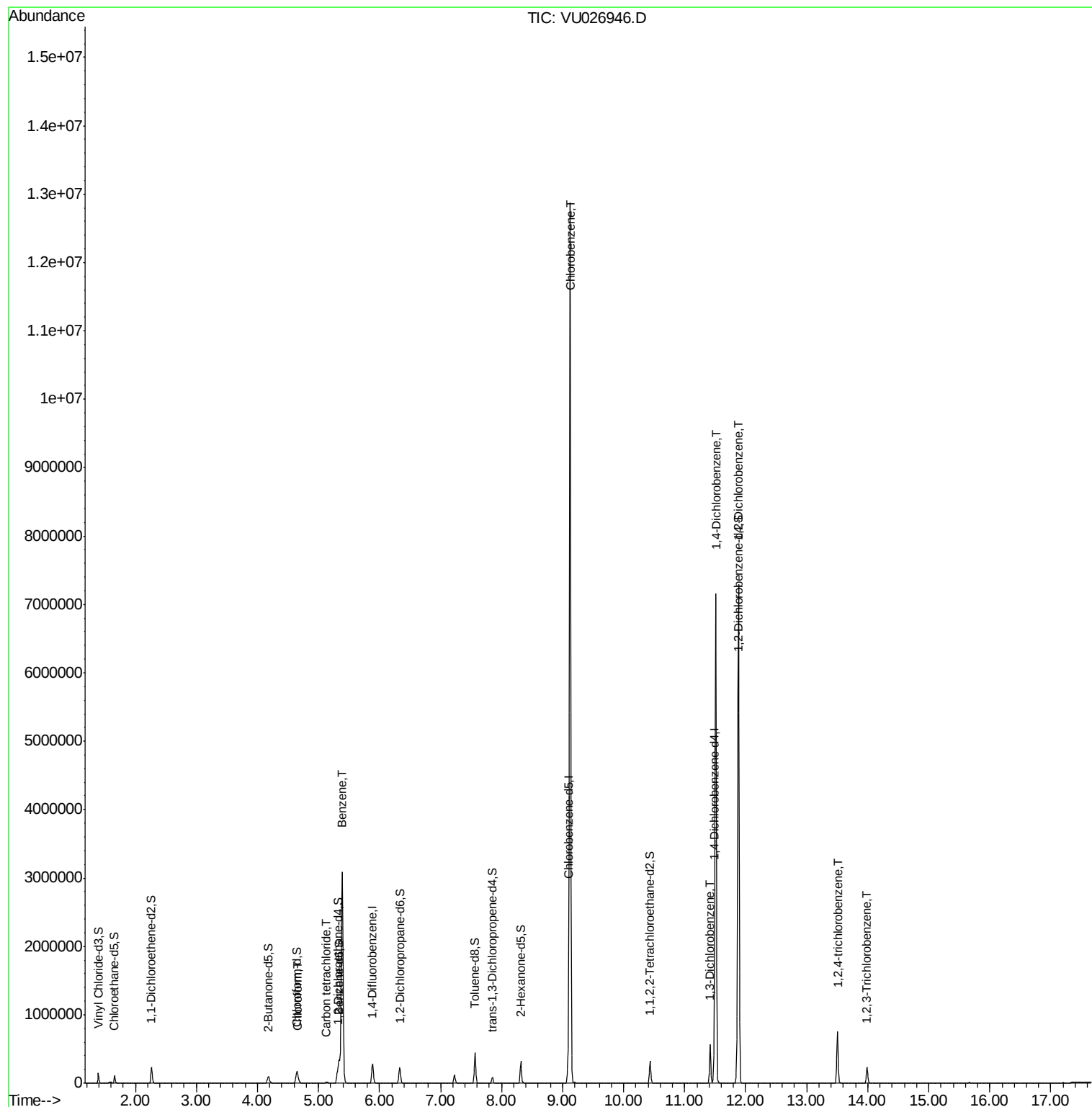
					Ovalue
25) Chloroform	4.67	83	33326	9.672 ug/L	96
31) Carbon tetrachloride	5.13	117	13566	5.509 ug/L	100
33) Benzene	5.39	78	3043760	425.026 ug/L	100
51) Chlorobenzene	9.12	112	6973846	1418.197 ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	240770	64.894 ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	2979457	729.285 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	3079613	749.625 ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	251305	101.573 ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	78895	28.957 ug/L	97

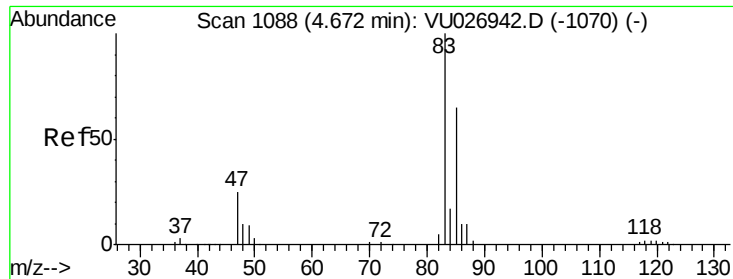
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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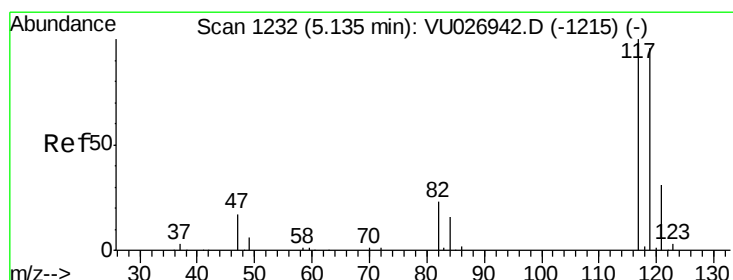
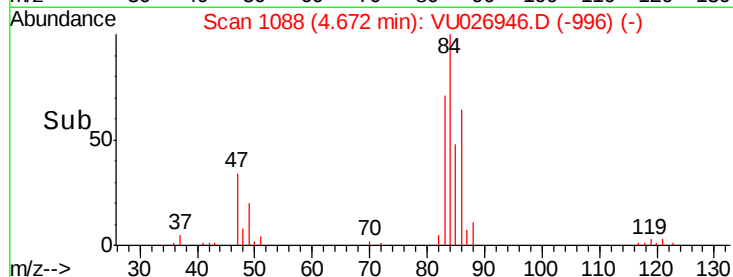
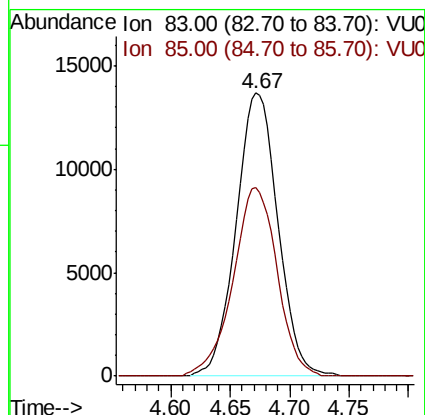
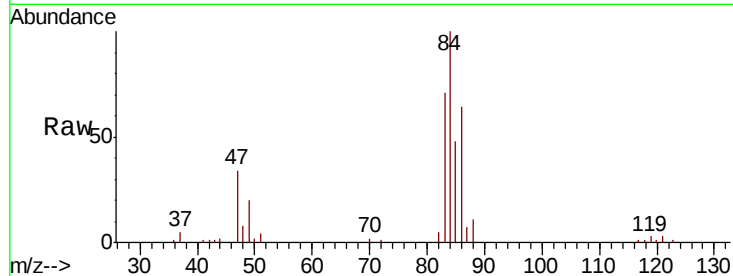




#25
Chloroform
Concen: 9.672 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU026946.D
Acq: 20 Sep 2018 20:21

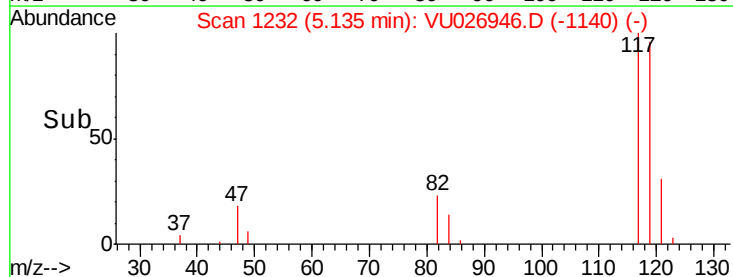
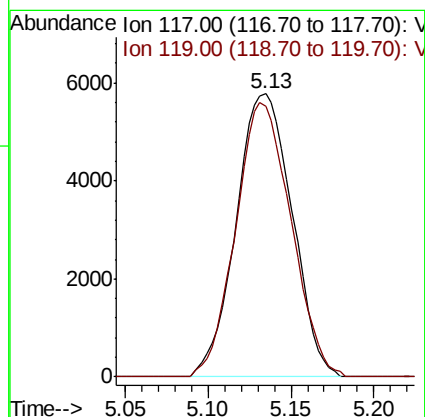
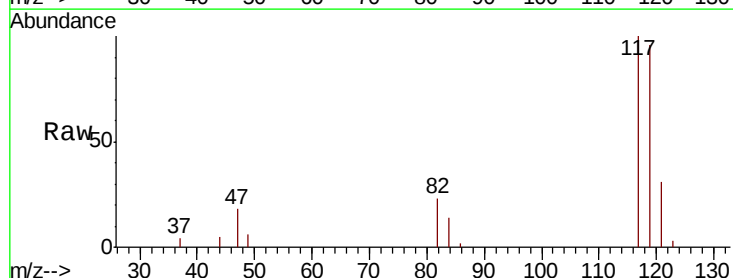
Instrument :
MSVOA_U
ClientSampleId :
C08K5

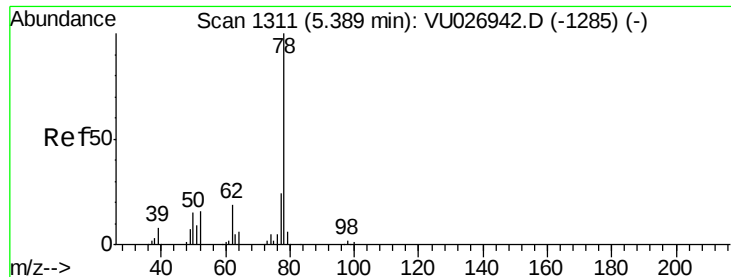
Tot Ion: 83 Resp: 33326
Ion Ratio Lower Upper
83 100
85 66.8 44.4 82.5



#31
Carbon tetrachloride
Concen: 5.509 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026946.D
Acq: 20 Sep 2018 20:21

Tgt Ion: 117 Resp: 13566
Ion Ratio Lower Upper
117 100
119 95.7 76.3 114.5





#33

Benzene

Concen: 425.026 ug/L

RT: 5.39 min Scan# 1311

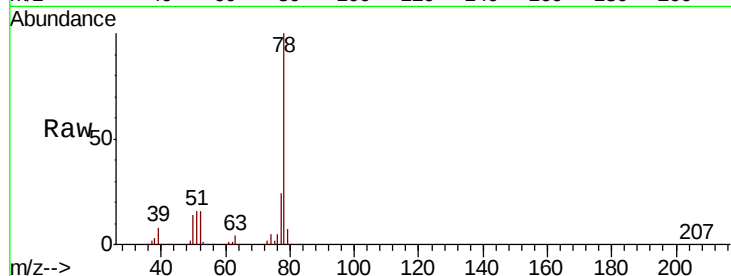
Delta R.T. -0.00 min

Lab File: VU026946.D

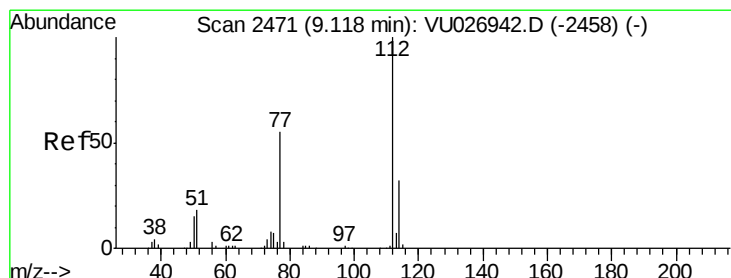
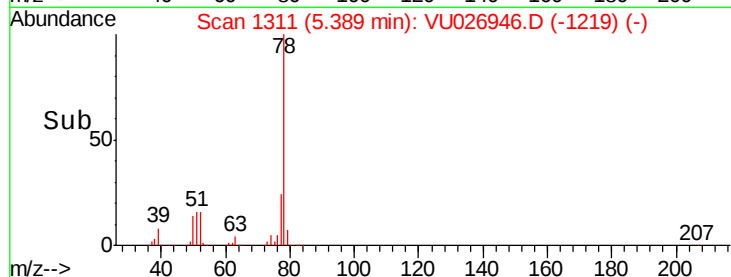
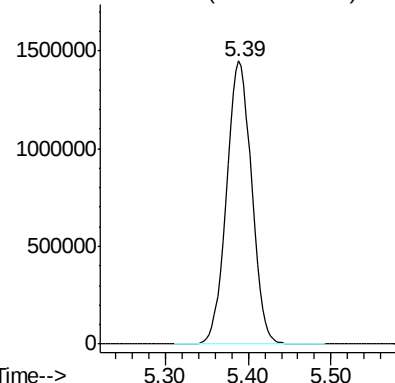
Acq: 20 Sep 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :
C08K5

Tgt Ion: 78 Resp: 3043760



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 1418.197 ug/L

RT: 9.12 min Scan# 2473

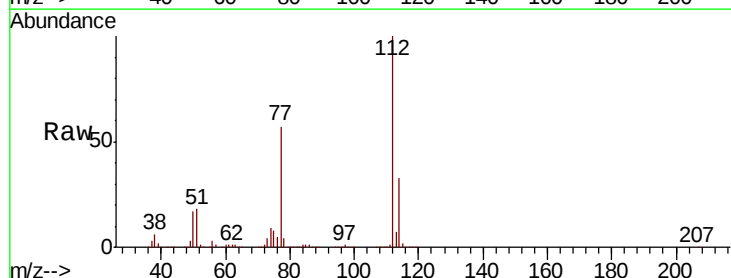
Delta R.T. 0.01 min

Lab File: VU026946.D

Acq: 20 Sep 2018 20:21

Tgt Ion: 112 Resp: 6973846

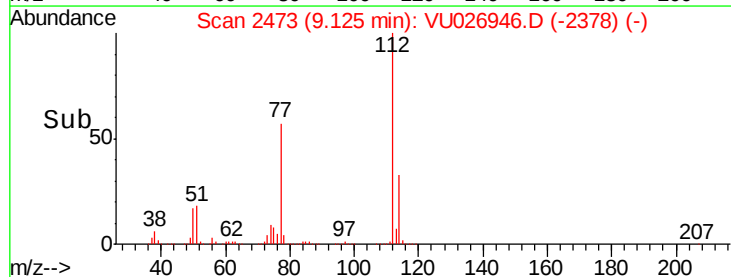
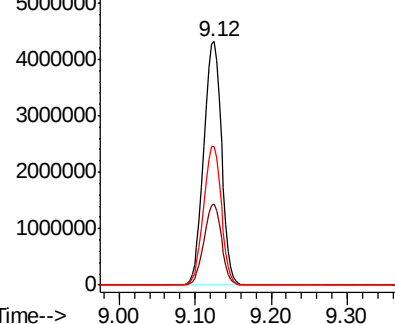
Ion	Ratio	Lower	Upper
112	100		
114	33.0	22.3	41.5
77	57.1	45.1	67.7

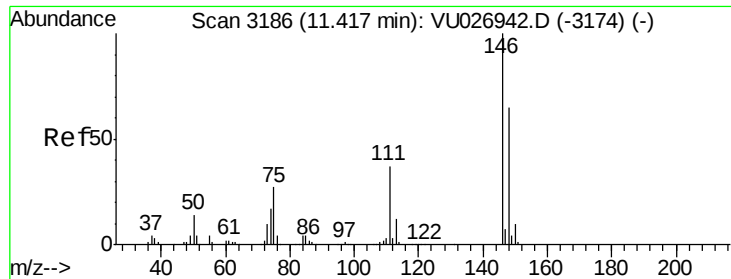


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

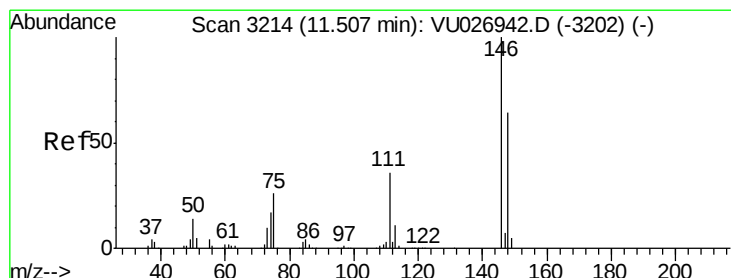
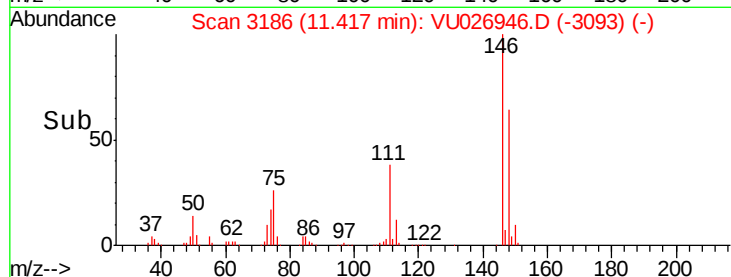
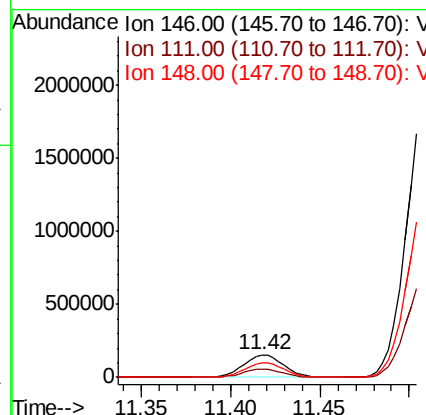
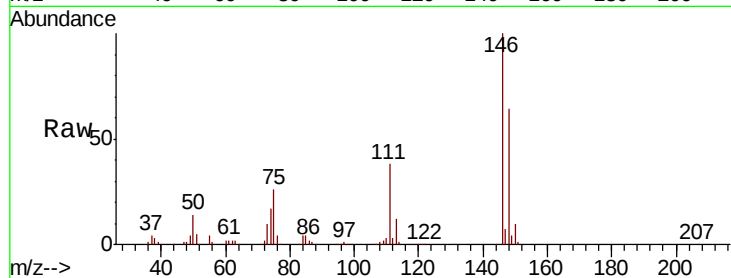




#62
 1,3-Dichlorobenzene
 Concen: 64.894 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU026946.D
 Acq: 20 Sep 2018 20:21

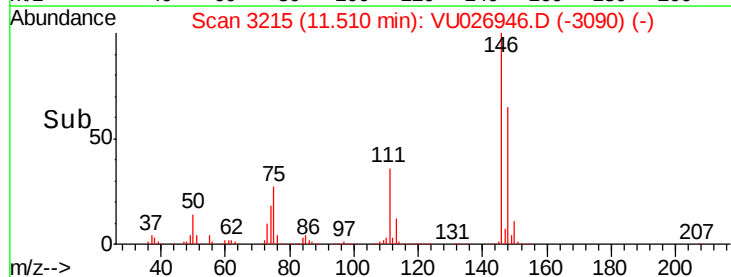
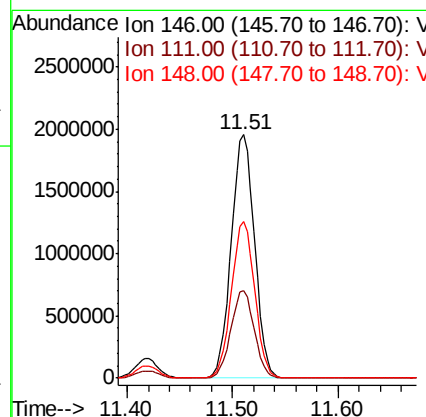
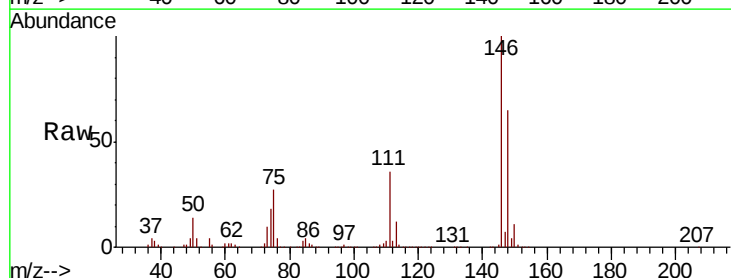
Instrument :
 MSVOA_U
 ClientSampleId :
 C08K5

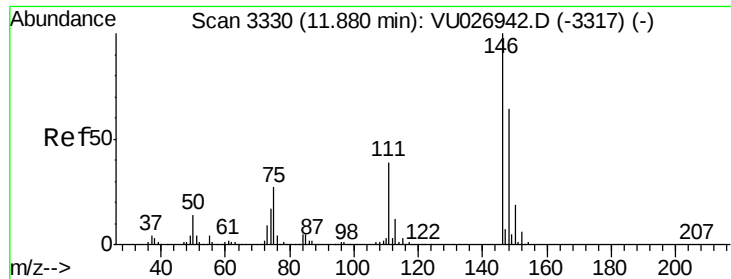
Tot Ion:146 Resp: 240770
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.7 49.7
 148 63.7 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 729.285 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026946.D
 Acq: 20 Sep 2018 20:21

Tgt Ion:146 Resp: 2979457
 Ion Ratio Lower Upper
 146 100
 111 36.1 26.0 48.2
 148 64.5 45.8 85.2

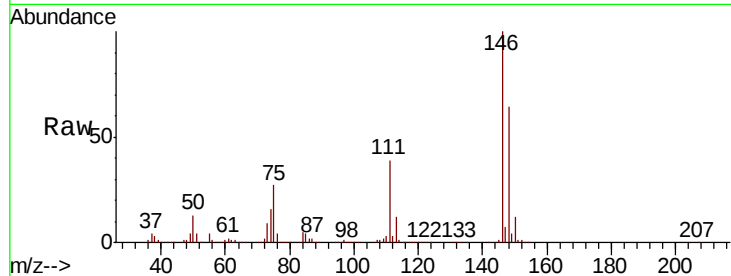




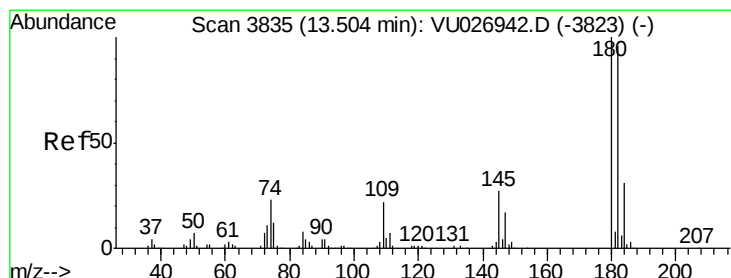
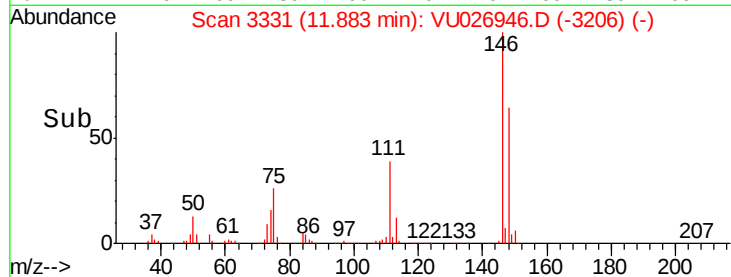
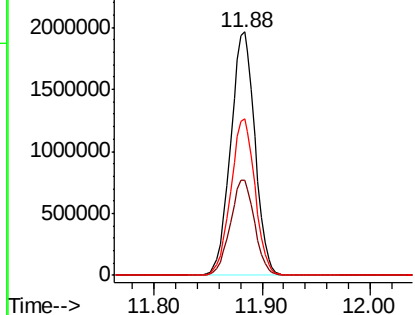
#65
 1,2-Dichlorobenzene
 Concen: 749.625 ug/L
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU026946.D
 Acq: 20 Sep 2018 20:21

Instrument :
 MSVOA_U
 ClientSampled :
 C08K5

Tot Ion:146 Resp: 3079613
 Ion Ratio Lower Upper
 146 100
 111 39.1 31.4 47.0
 148 64.3 51.4 77.2

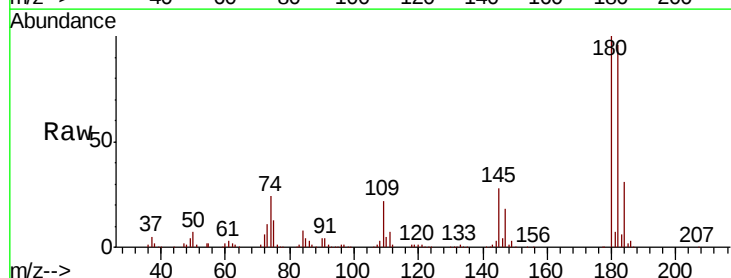


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

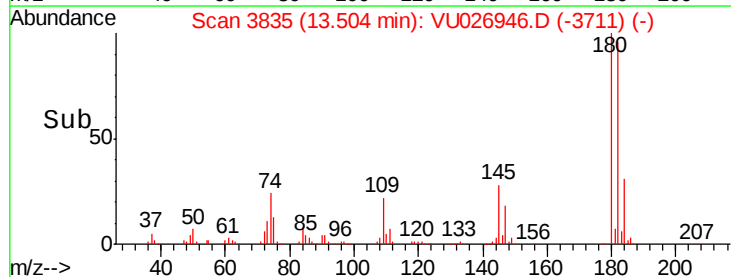
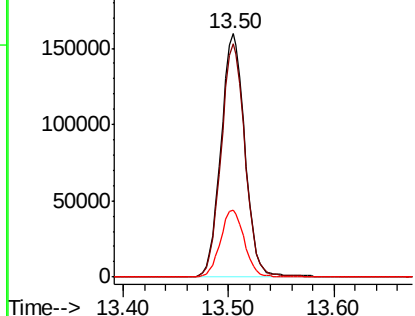


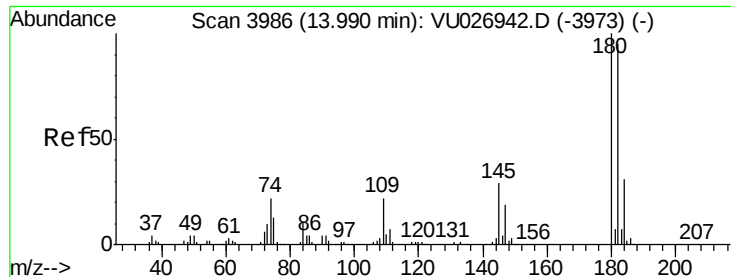
#68
 1,2,4-trichlorobenzene
 Concen: 101.573 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026946.D
 Acq: 20 Sep 2018 20:21

Tgt Ion:180 Resp: 251305
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.8 115.2
 145 27.6 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

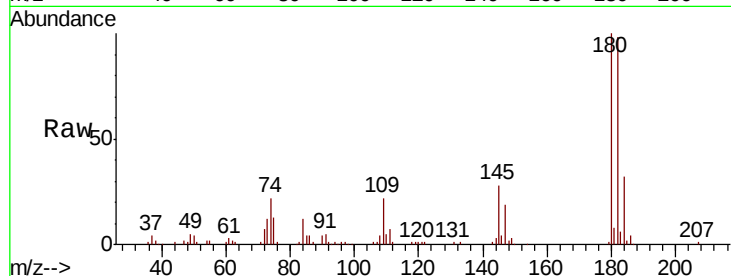




#70
 1,2,3-Trichlorobenzene
 Concen: 28.957 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026946.D
 Acq: 20 Sep 2018 20:21

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K5

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	75.6	113.4
145	28.5	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

