

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091518\
 Data File : VU026744.D
 Acq On : 13 Sep 2018 22:32
 Operator : MD/SY
 Sample : J4893-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08R8

Quant Time: Sep 14 03:46:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 14 01:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	184491	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	168761	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	73599	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59684	43.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.82%
7) Chloroethane-d5	1.68	69	48125	43.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.88%
11) 1,1-Dichloroethene-d2	2.27	63	83542	33.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.90%
21) 2-Butanone-d5	4.18	46	84295	98.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.53%
24) Chloroform-d	4.65	84	95130	41.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.22%
26) 1,2-Dichloroethane-d4	5.31	65	66100	44.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.36%
32) Benzene-d6	5.34	84	199247	45.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.24%
36) 1,2-Dichloropropane-d6	6.33	67	67534	46.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.16%
41) Toluene-d8	7.57	98	178778	43.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.24%
43) trans-1,3-Dichloropropene-	7.85	79	28976	42.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.04%
47) 2-Hexanone-d5	8.31	63	58934	98.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.55%
57) 1,1,1,2,2-Tetrachloroethane-	10.43	84	89725	44.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.42%
64) 1,2-Dichlorobenzene-d4	11.86	152	66984	45.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.30%

Target Compounds

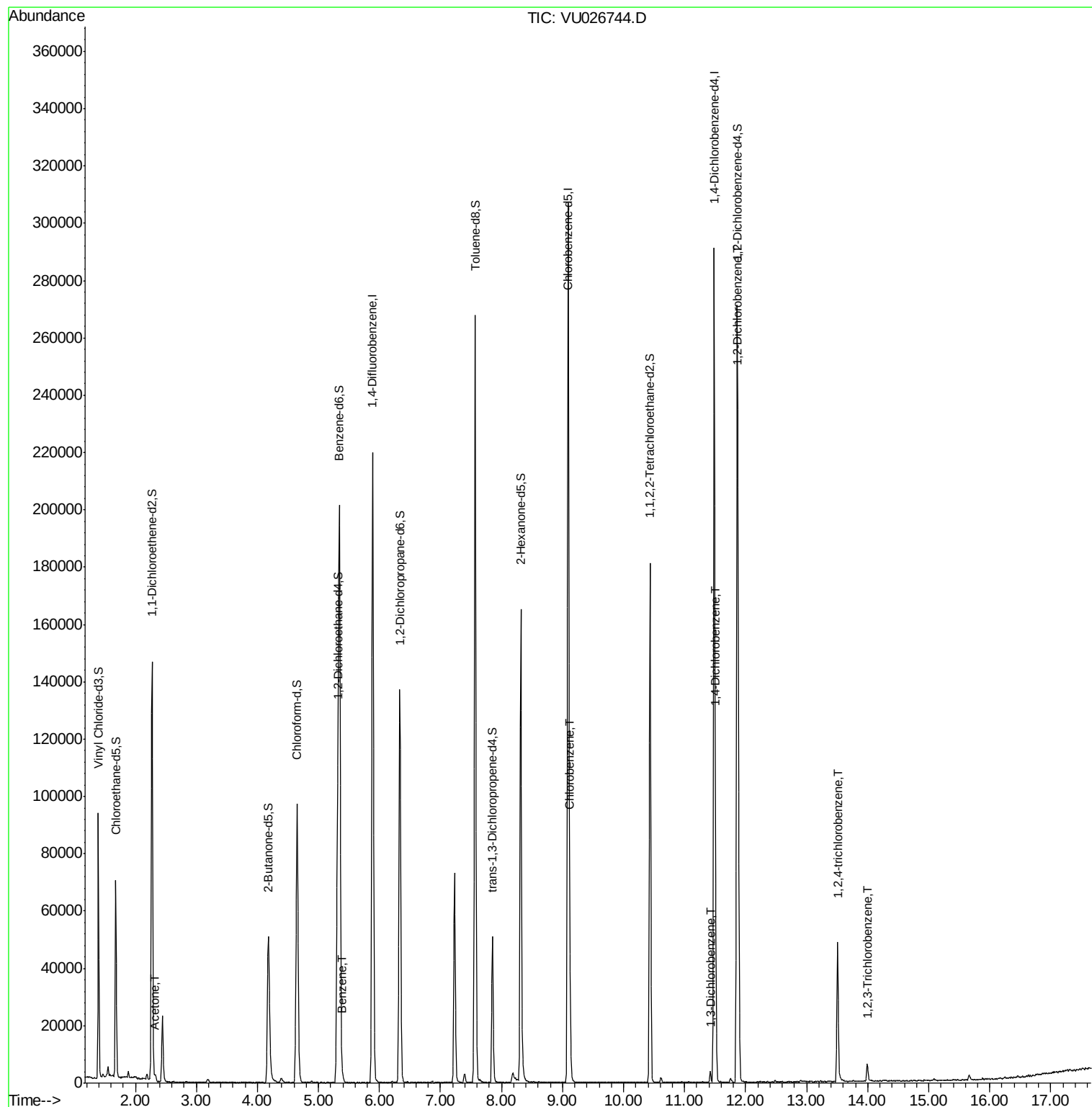
					Ovalue
13) Acetone	2.32	43	1330	1.365 ug/L	84
33) Benzene	5.39	78	2144	0.454 ug/L	100
51) Chlorobenzene	9.12	112	19241	5.982 ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	1802	0.853 ug/L	91
63) 1,4-Dichlorobenzene	11.51	146	16628	7.427 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	42907	19.211 ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	17678	12.133 ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	2844	1.802 ug/L	98

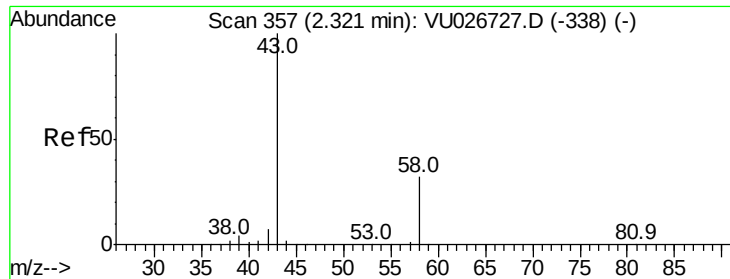
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 14 01:21:50 2018
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#13

Acetone

Concen: 1.365 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026744.D

Acq: 13 Sep 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

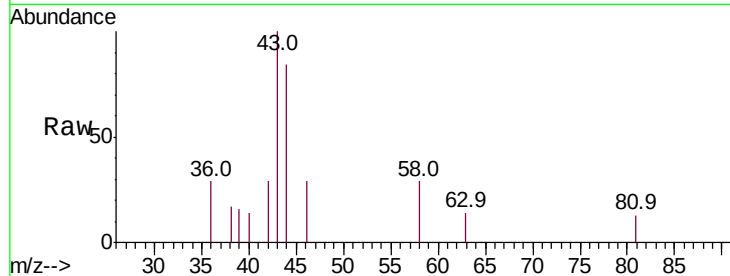
C08R8

Tot Ion: 43 Resp: 1330

Ion Ratio Lower Upper

43 100

58 22.8 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

800

600

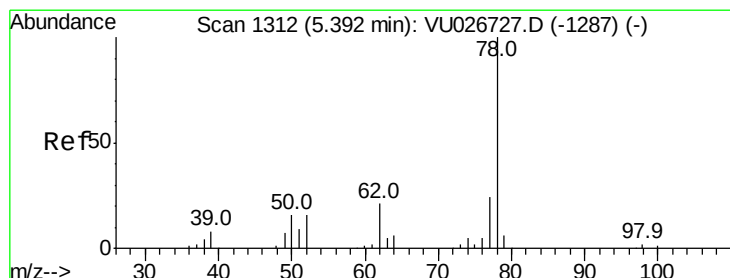
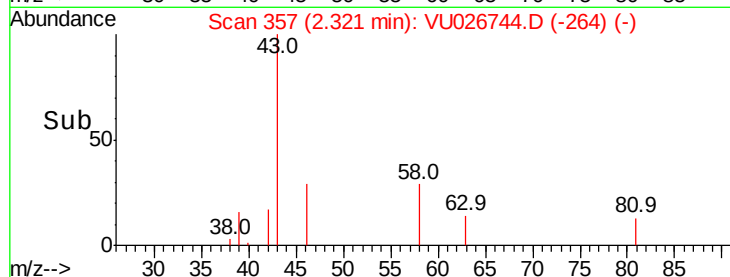
400

200

0

2.30 2.35

Time-->



#33

Benzene

Concen: 0.454 ug/L

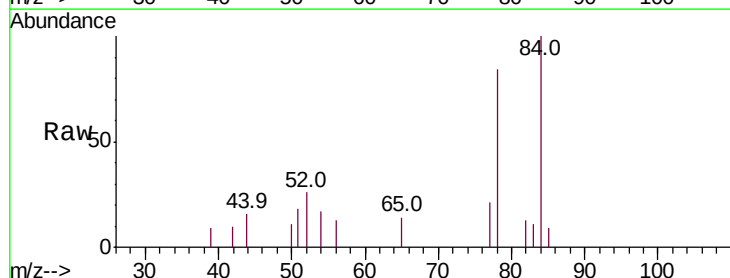
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU026744.D

Acq: 13 Sep 2018 22:32

Tgt Ion: 78 Resp: 2144



Abundance Ion 78.00 (77.70 to 78.70): VU0

1000

800

600

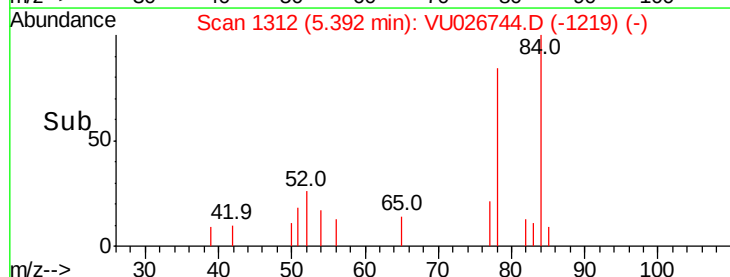
400

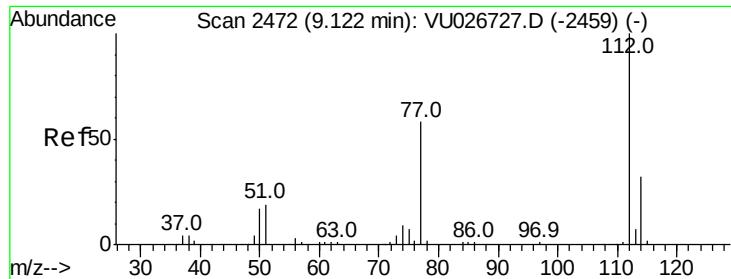
200

0

5.35 5.40 5.45

Time-->





#51

Chlorobenzene

Concen: 5.982 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026744.D

Acq: 13 Sep 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
C08R8

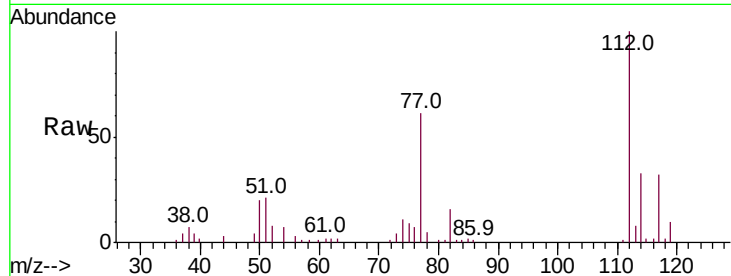
Tot Ion:112 Resp: 19241

Ion Ratio Lower Upper

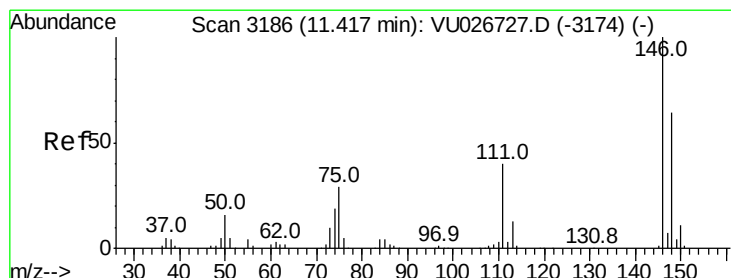
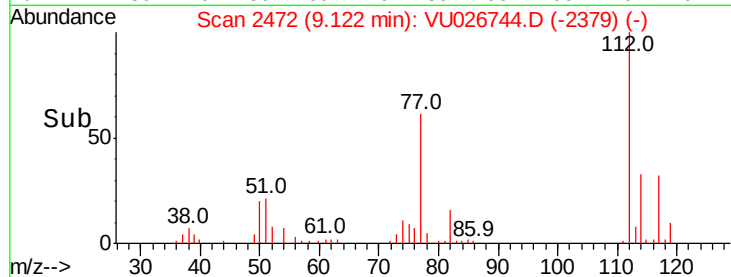
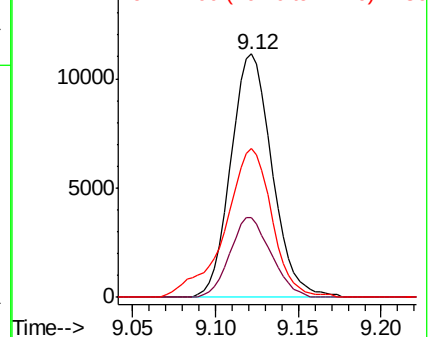
112 100

114 32.6 22.9 42.5

77 61.1 47.2 70.8



Abundance Ion 112.00 (111.70 to 112.70): V
15000 Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



#62

1,3-Dichlorobenzene

Concen: 0.853 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026744.D

Acq: 13 Sep 2018 22:32

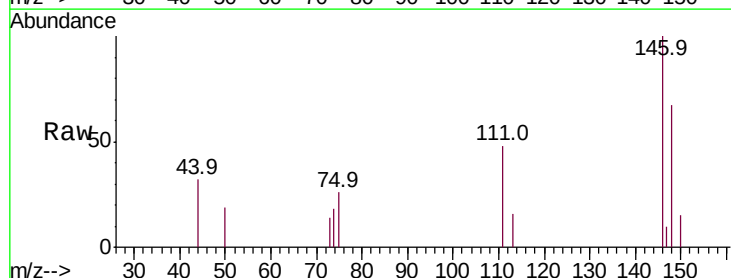
Tgt Ion:146 Resp: 1802

Ion Ratio Lower Upper

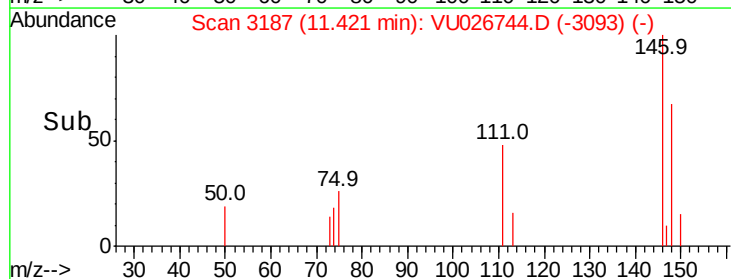
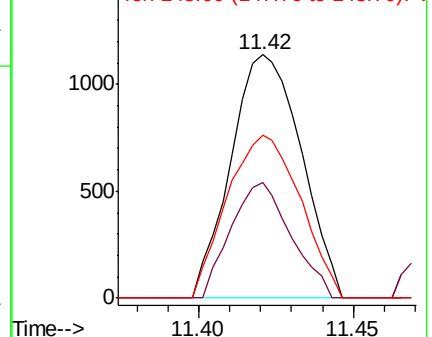
146 100

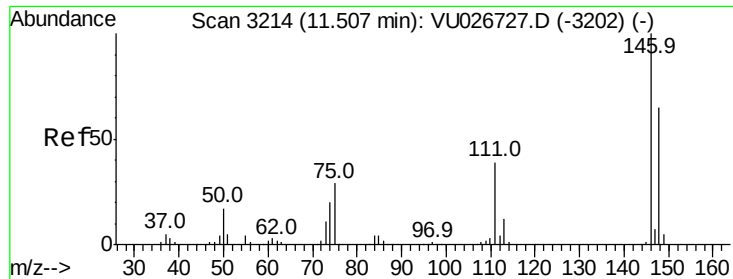
111 47.7 26.7 49.5

148 67.1 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V
1500 Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

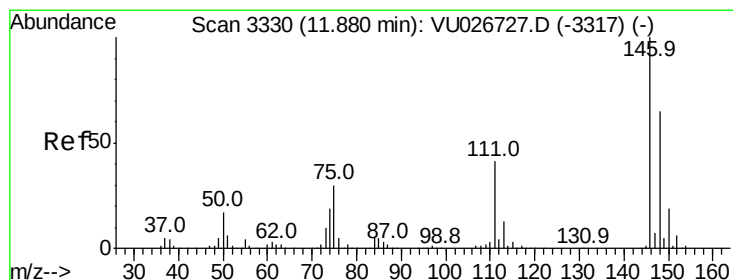
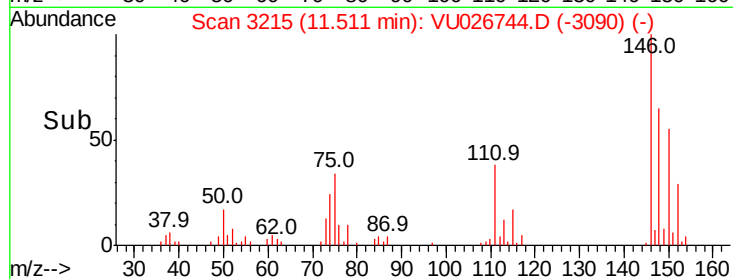
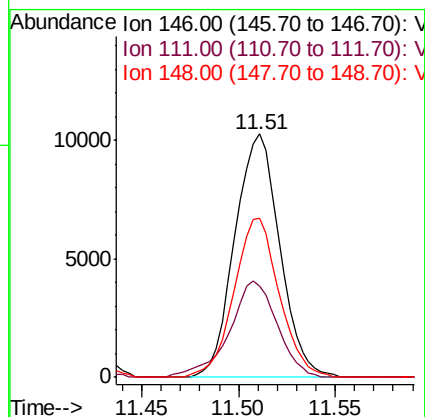
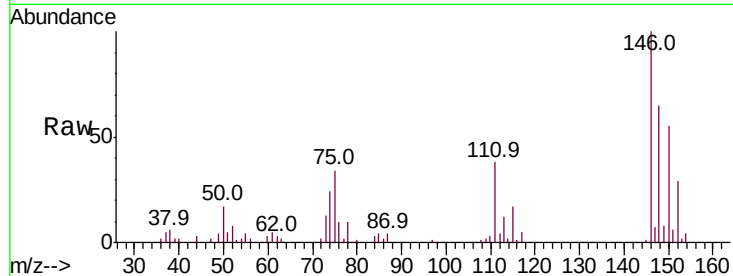




#63
 1,4-Dichlorobenzene
 Concen: 7.427 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026744.D
 Acq: 13 Sep 2018 22:32

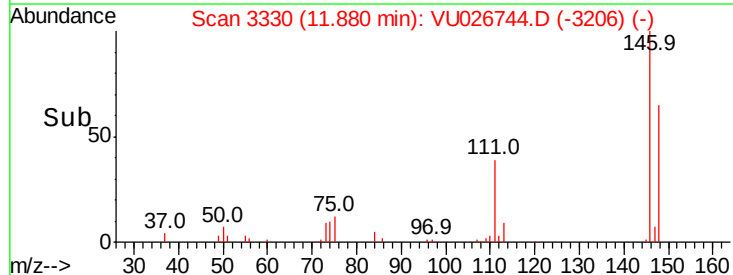
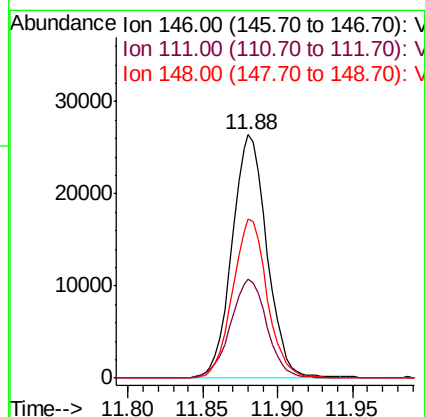
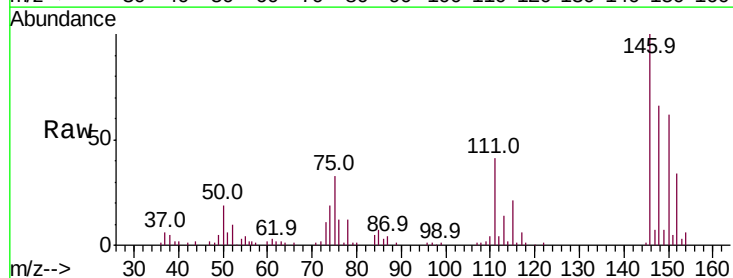
Instrument :
 MSVOA_U
 ClientSampled :
 C08R8

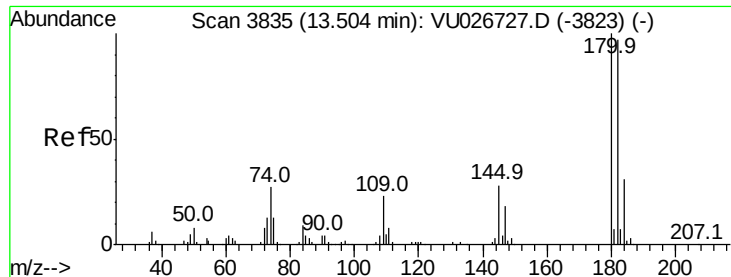
Tot Ion:146 Resp: 16628
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.5 49.3
 148 65.3 45.2 84.0



#65
 1,2-Dichlorobenzene
 Concen: 19.211 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026744.D
 Acq: 13 Sep 2018 22:32

Tgt Ion:146 Resp: 42907
 Ion Ratio Lower Upper
 146 100
 111 40.6 32.8 49.2
 148 65.5 52.2 78.4

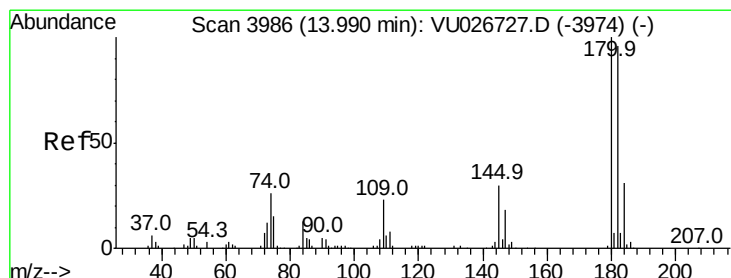
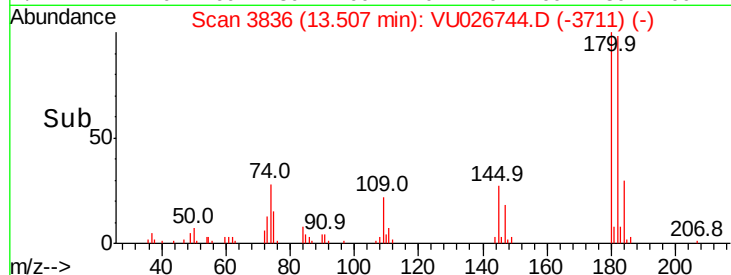
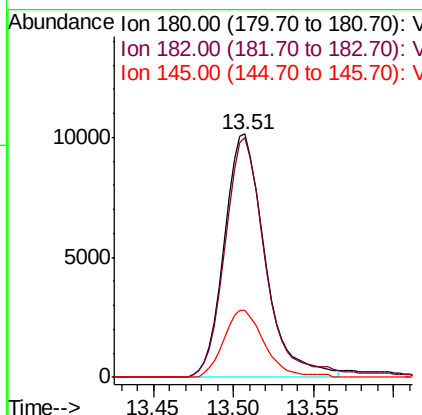
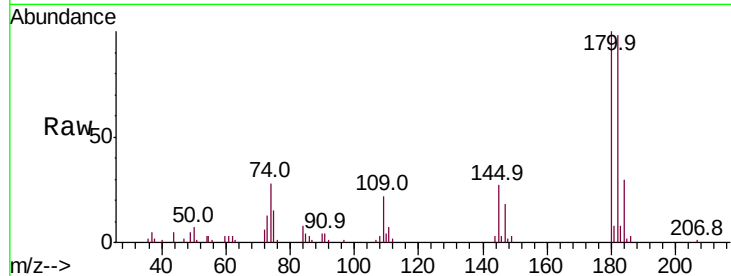




#68
 1,2,4-trichlorobenzene
 Concen: 12.133 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026744.D
 Acq: 13 Sep 2018 22:32

Instrument :
 MSVOA_U
 ClientSampleId :
 C08R8

Tot Ion:180 Resp: 17678
 Ion Ratio Lower Upper
 180 100
 182 97.2 76.0 114.0
 145 27.0 23.4 35.0



#70
 1,2,3-Trichlorobenzene
 Concen: 1.802 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU026744.D
 Acq: 13 Sep 2018 22:32

Tgt Ion:180 Resp: 2844
 Ion Ratio Lower Upper
 180 100
 182 97.9 76.7 115.1
 145 27.1 23.0 34.6

