

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091918\
 Data File : VU026893.D
 Acq On : 19 Sep 2018 12:07
 Operator : MD/SY
 Sample : J4896-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08M5

Quant Time: Sep 20 04:12:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 20 02:30:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	205975	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	206447	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	104040	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54499	35.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.54%
7) Chloroethane-d5	1.68	69	54127	41.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.27	63	84180	29.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.40%#
21) 2-Butanone-d5	4.18	46	117269	115.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.98%
24) Chloroform-d	4.65	84	134182	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
26) 1,2-Dichloroethane-d4	5.31	65	88878	49.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.88%
32) Benzene-d6	5.34	84	250282	43.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.52%
36) 1,2-Dichloropropane-d6	6.33	67	89418	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.94%
41) Toluene-d8	7.57	98	203020	38.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.68%#
43) trans-1,3-Dichloropropene-	7.85	79	36171	43.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.92%
47) 2-Hexanone-d5	8.31	63	78538	107.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.20%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	131075	50.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.86%
64) 1,2-Dichlorobenzene-d4	11.86	152	100241	46.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.64%

Target Compounds

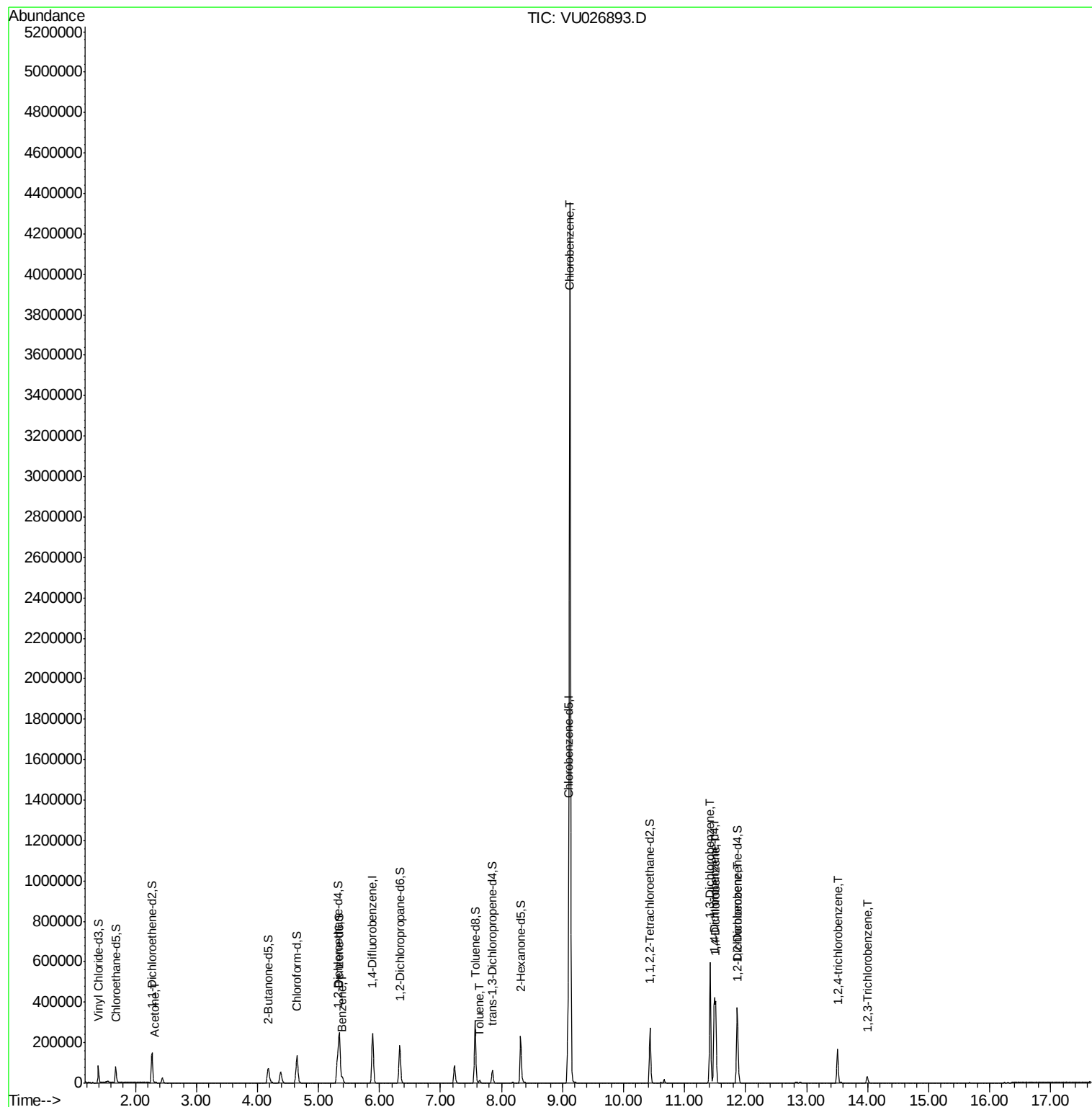
					Ovalue
13) Acetone	2.32	43	5747	5.783	ug/L 95
33) Benzene	5.39	78	29435	4.599	ug/L 100
42) Toluene	7.64	91	9837	1.519	ug/L 100
51) Chlorobenzene	9.12	112	2328815	529.872	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	245089	77.276	ug/L 100
63) 1,4-Dichlorobenzene	11.51	146	153140	43.850	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	23282	6.630	ug/L 98
68) 1,2,4-trichlorobenzene	13.50	180	56314	26.626	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	12128	5.207	ug/L 99

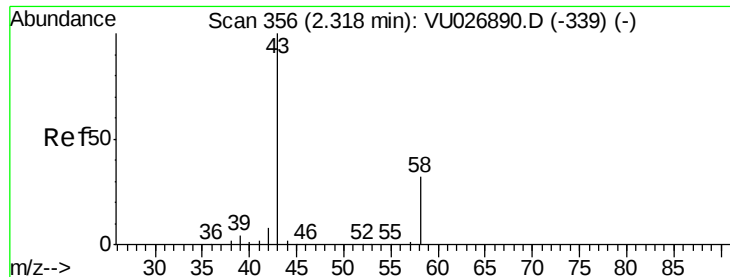
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 5.783 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026893.D

Acq: 19 Sep 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

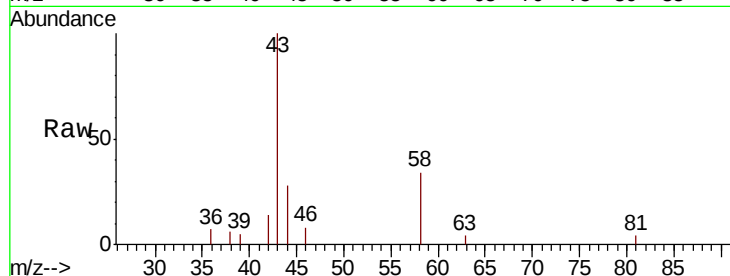
C08M5

Tot Ion: 43 Resp: 5747

Ion Ratio Lower Upper

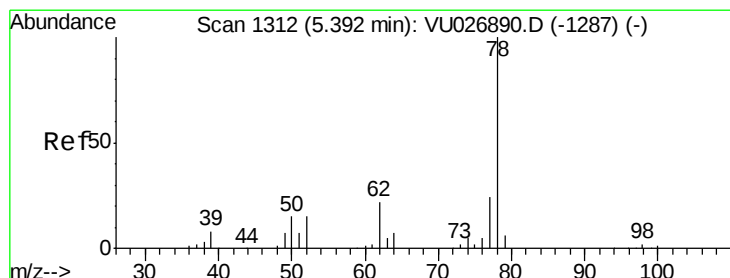
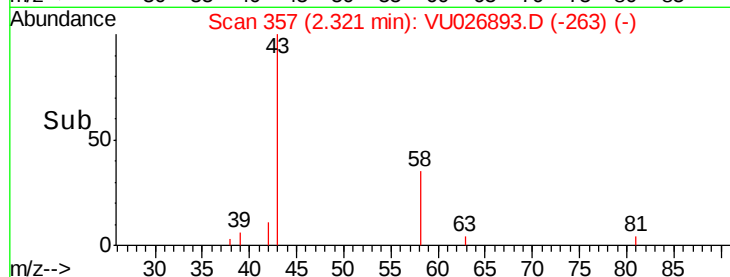
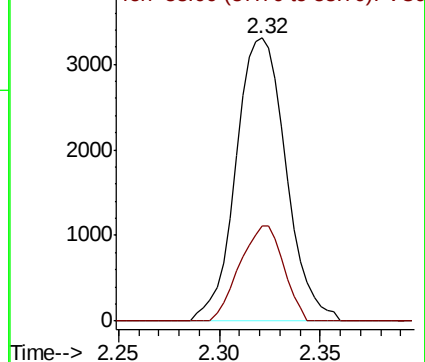
43 100

58 29.5 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#33

Benzene

Concen: 4.599 ug/L

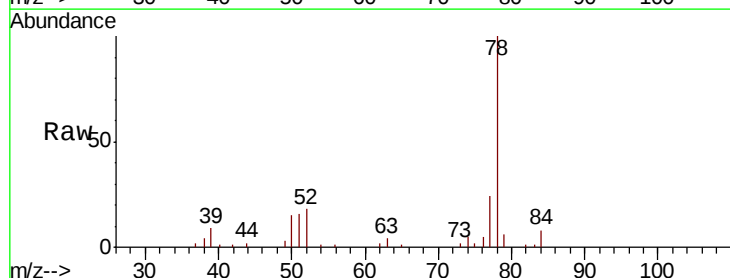
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

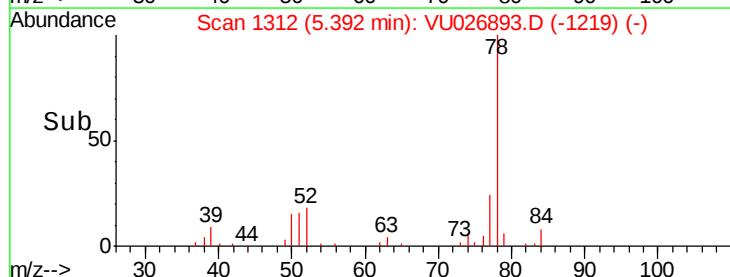
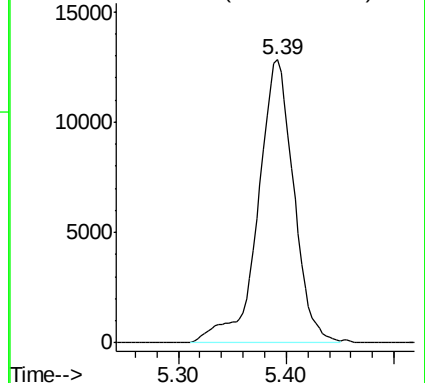
Lab File: VU026893.D

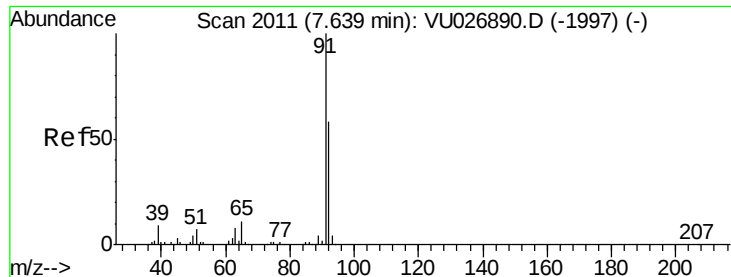
Acq: 19 Sep 2018 12:07

Tgt Ion: 78 Resp: 29435



Abundance Ion 78.00 (77.70 to 78.70): VU0





#42

Toluene

Concen: 1.519 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU026893.D

Acq: 19 Sep 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

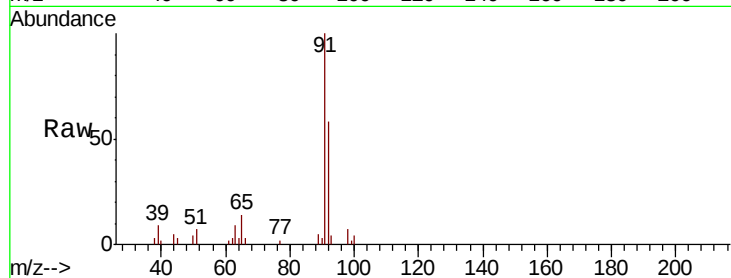
C08M5

Tot Ion: 91 Resp: 9837

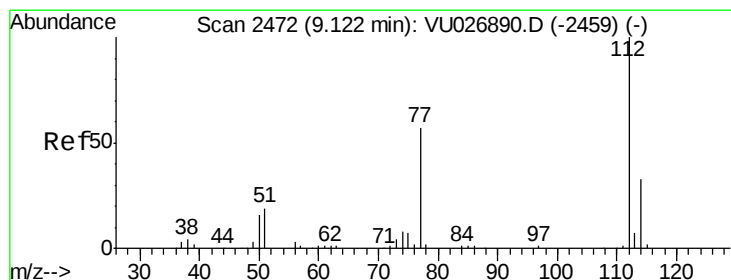
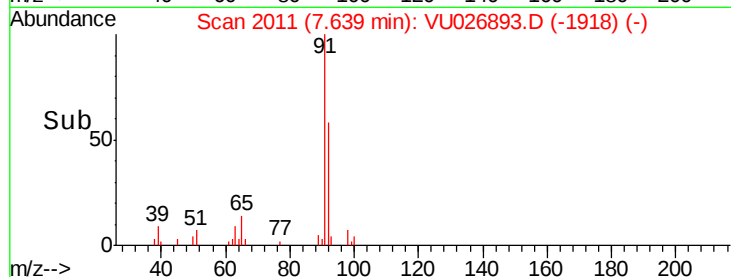
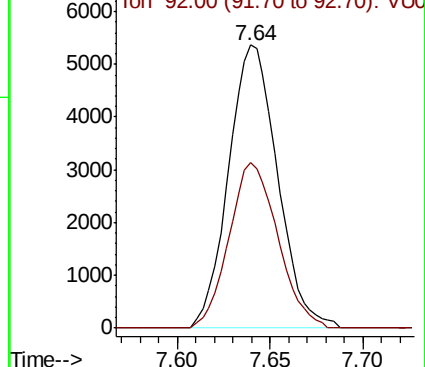
Ion Ratio Lower Upper

91 100

92 58.3 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VU026893.D (-1918) (-)



#51

Chlorobenzene

Concen: 529.872 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026893.D

Acq: 19 Sep 2018 12:07

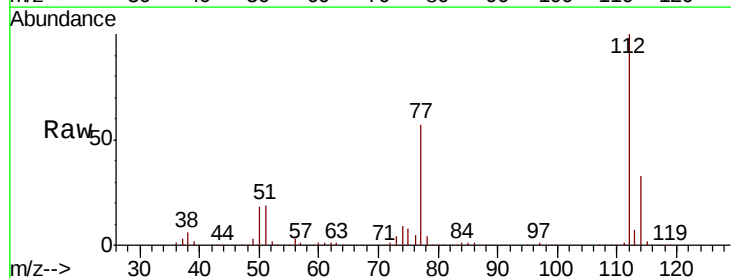
Tgt Ion: 112 Resp: 2328815

Ion Ratio Lower Upper

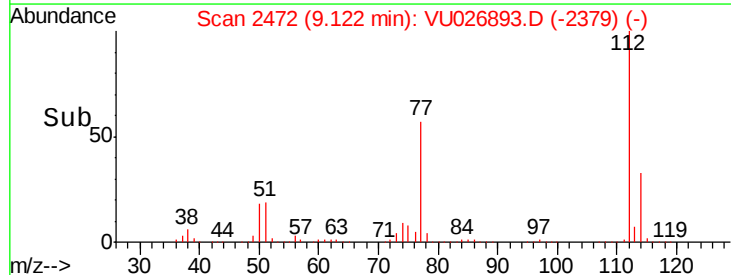
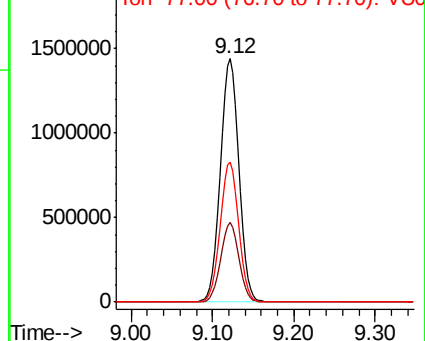
112 100

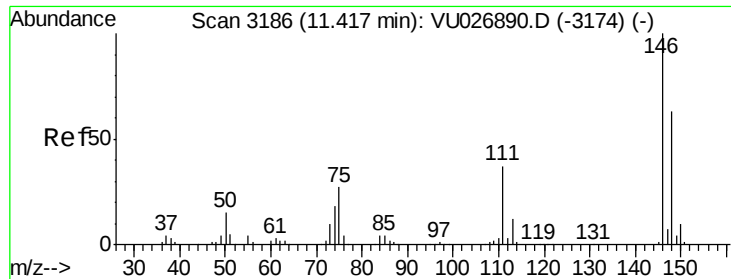
114 32.5 22.3 41.5

77 57.5 45.1 67.7



Abundance Ion 112.00 (111.70 to 112.70): VU026893.D (-2379) (-)





#62

1,3-Dichlorobenzene

Concen: 77.276 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026893.D

Acq: 19 Sep 2018 12:07

Instrument :

MSVOA_U

ClientSampled :

C08M5

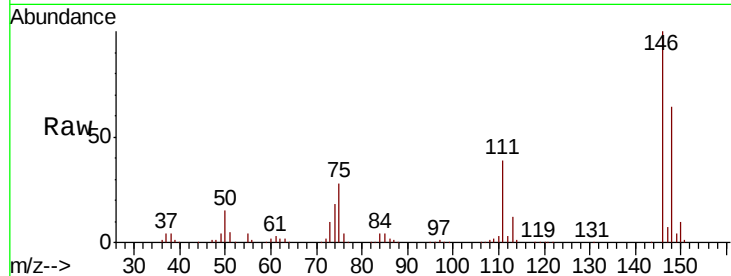
Tot Ion:146 Resp: 245089

Ion Ratio Lower Upper

146 100

111 38.5 26.7 49.7

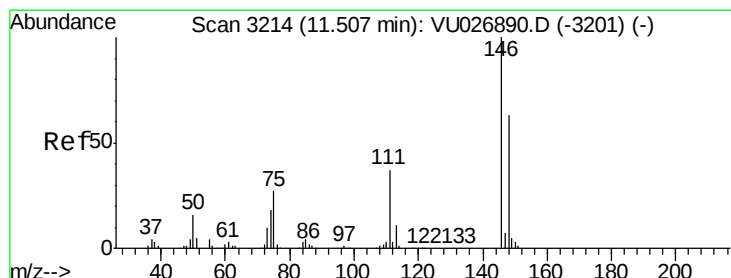
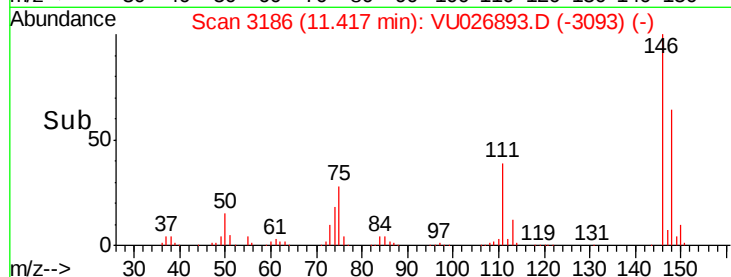
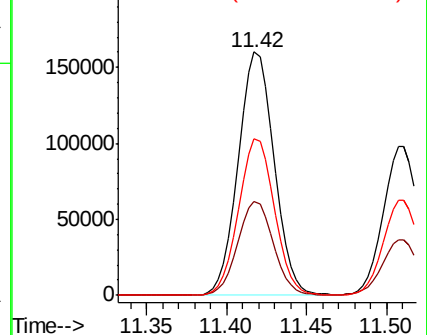
148 64.2 44.9 83.5



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: 43.850 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026893.D

Acq: 19 Sep 2018 12:07

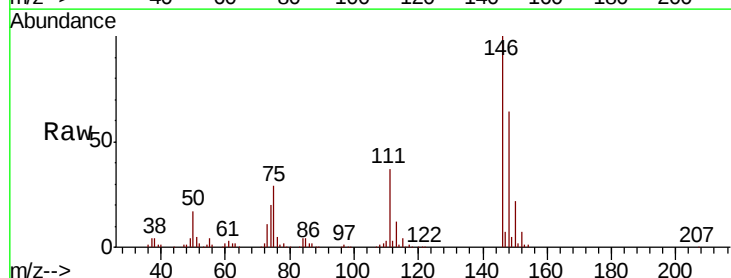
Tgt Ion:146 Resp: 153140

Ion Ratio Lower Upper

146 100

111 37.5 26.0 48.2

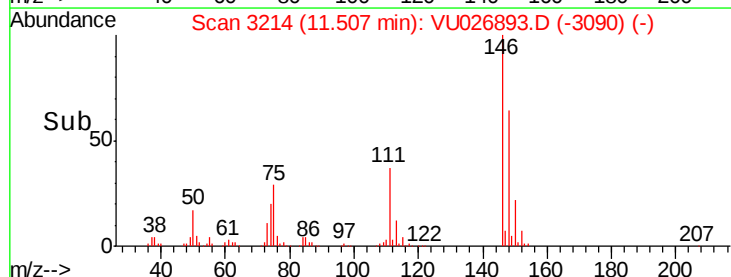
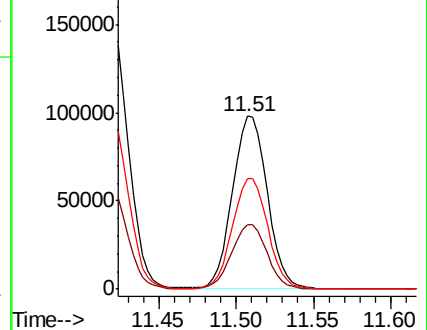
148 64.0 45.8 85.2

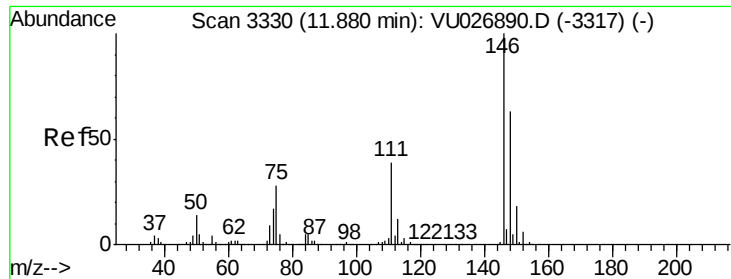


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

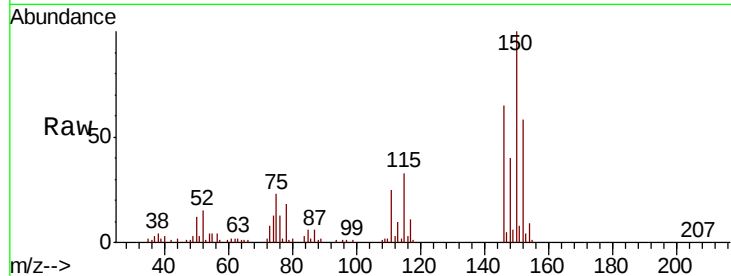




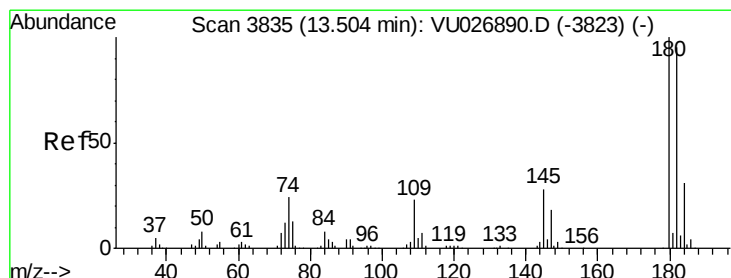
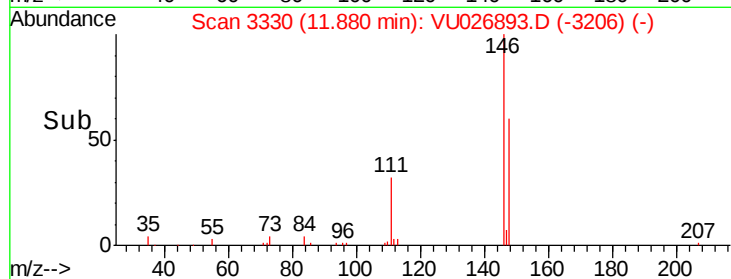
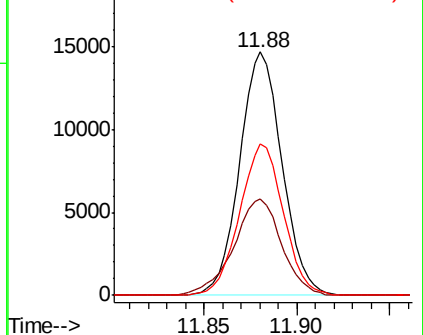
#65
 1,2-Dichlorobenzene
 Concen: 6.630 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026893.D
 Acq: 19 Sep 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 C08M5

Tot Ion:146 Resp: 23282
 Ion Ratio Lower Upper
 146 100
 111 39.4 31.4 47.0
 148 62.0 51.4 77.2

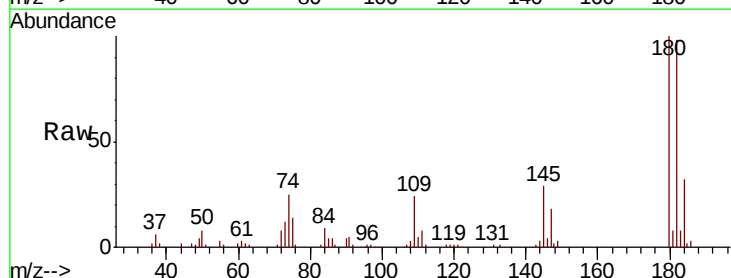


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

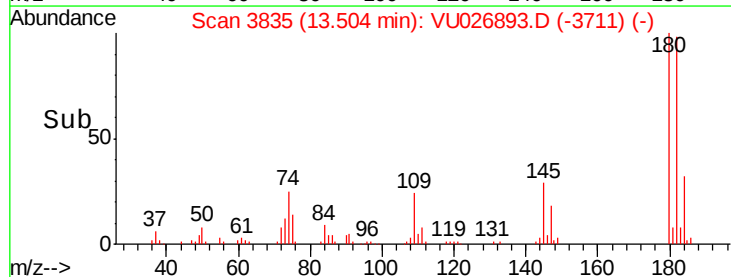
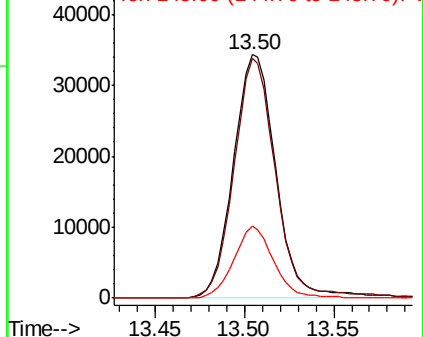


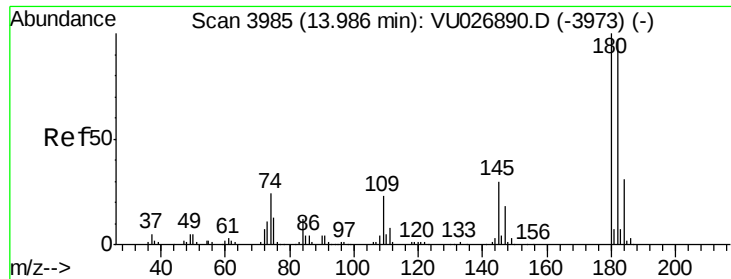
#68
 1,2,4-trichlorobenzene
 Concen: 26.626 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026893.D
 Acq: 19 Sep 2018 12:07

Tgt Ion:180 Resp: 56314
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.8 115.2
 145 28.0 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: 5.207 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026893.D
 Acq: 19 Sep 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 C08M5

Tot Ion:180	Resp:	12128
Ion	Ratio	Lower Upper
180	100	
182	94.1	75.6 113.4
145	28.8	23.8 35.6

