

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091818\
 Data File : VU026884.D
 Acq On : 18 Sep 2018 23:46
 Operator : MD/SY
 Sample : J4896-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08M8

Quant Time: Sep 19 08:11:42 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	225209	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	216195	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	89537	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61358	36.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.66%
7) Chloroethane-d5	1.68	69	57161	40.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.18%
11) 1,1-Dichloroethene-d2	2.27	63	89318	28.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.66%#
21) 2-Butanone-d5	4.18	46	119587	108.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.17%
24) Chloroform-d	4.65	84	136764	44.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.52%
26) 1,2-Dichloroethane-d4	5.31	65	90018	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.52%
32) Benzene-d6	5.34	84	259682	42.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.72%
36) 1,2-Dichloropropane-d6	6.33	67	91608	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.86%
41) Toluene-d8	7.57	98	211724	38.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.36%#
43) trans-1,3-Dichloropropene-	7.85	79	35474	40.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.40%
47) 2-Hexanone-d5	8.31	63	80162	104.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	132203	48.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	93958	50.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.88%

Target Compounds

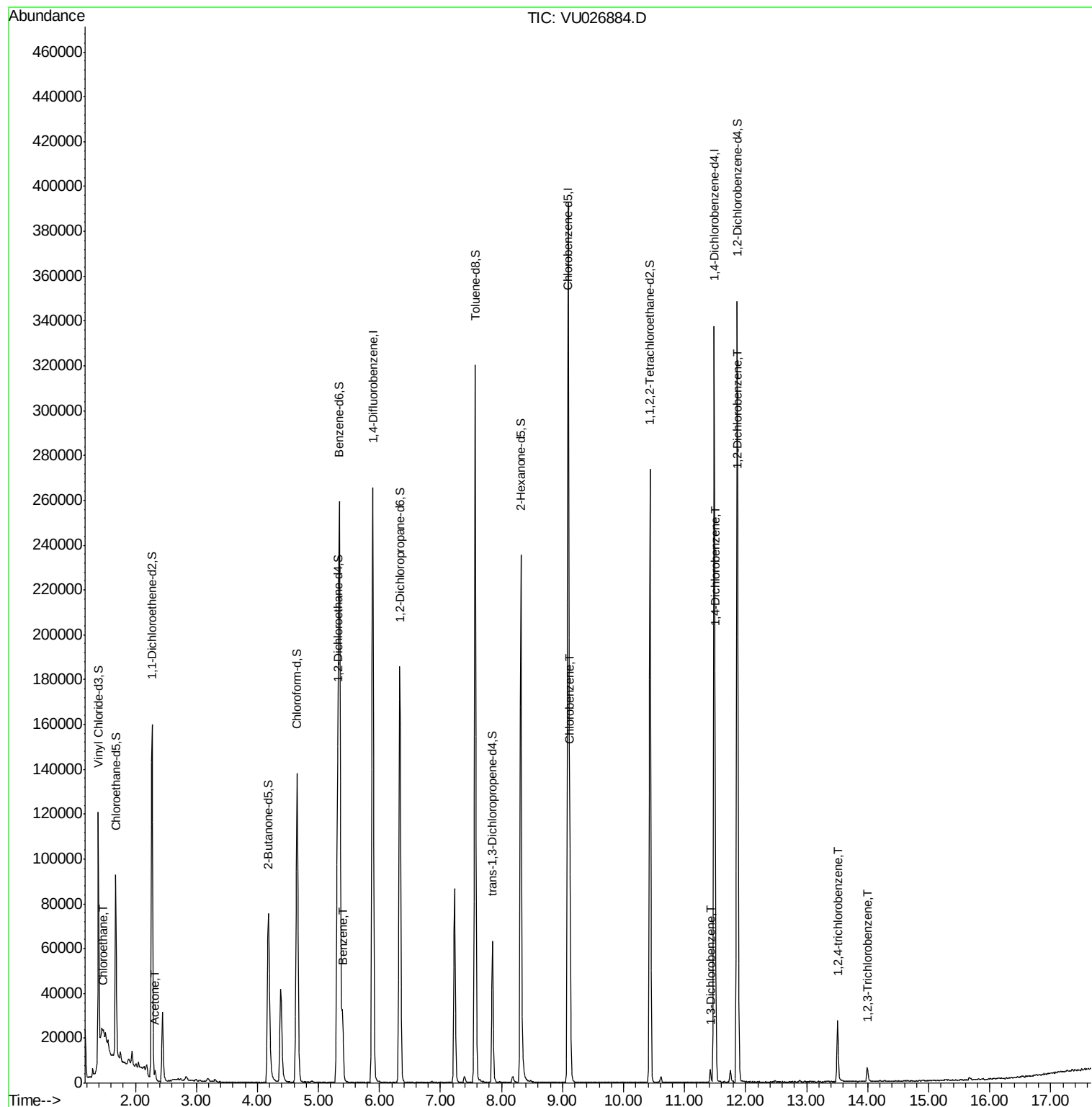
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.47	64	61002	46.073	ug/L	# 50
13) Acetone	2.32	43	3708	3.412	ug/L	96
33) Benzene	5.39	78	29674	4.427	ug/L	100
51) Chlorobenzene	9.12	112	50276	10.923	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	2766	1.013	ug/L	91
63) 1,4-Dichlorobenzene	11.51	146	14047	4.674	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	15132	5.007	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	10017	5.503	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	3025	1.509	ug/L	97

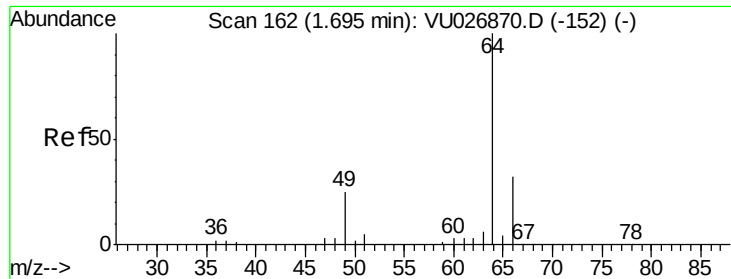
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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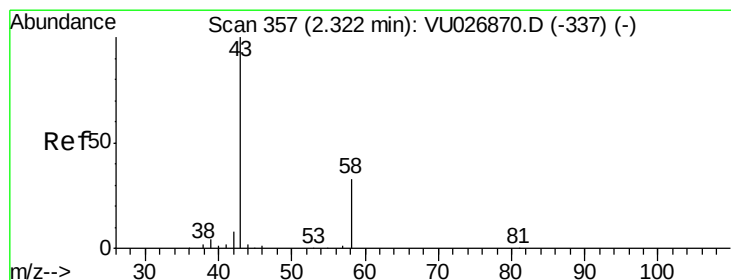
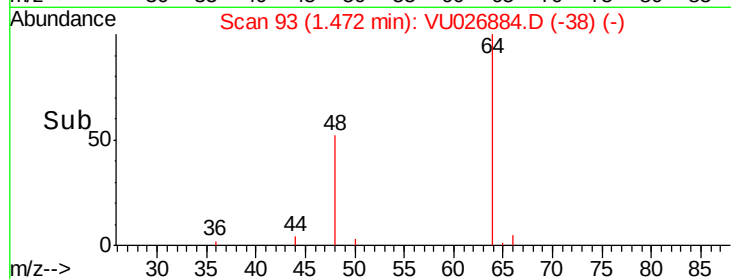
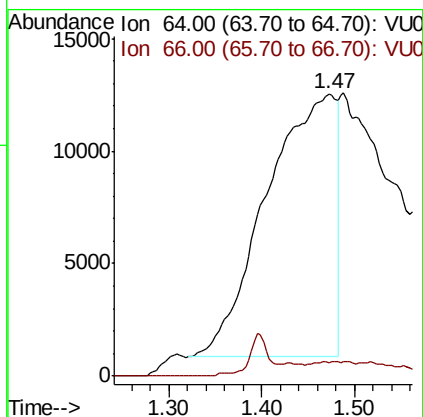
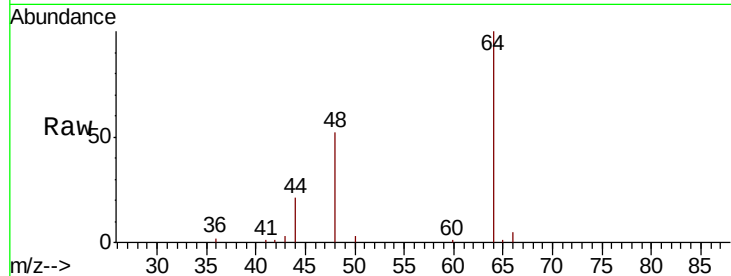




#8
 Chloroethane
 Concen: 46.073 ug/L
 RT: 1.47 min Scan# 93
 Delta R.T. -0.22 min
 Lab File: VU026884.D
 Acq: 18 Sep 2018 23:46

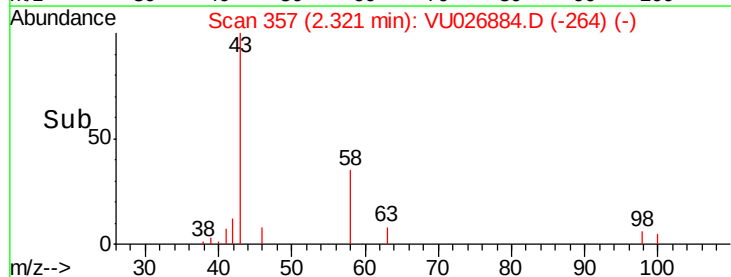
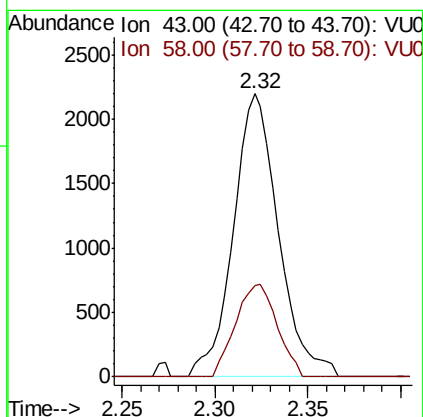
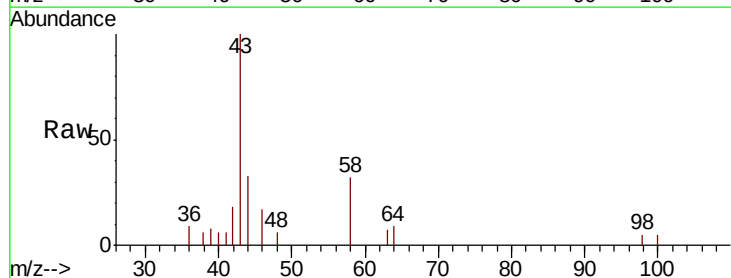
Instrument :
 MSVOA_U
 ClientSampleId :
 C08M8

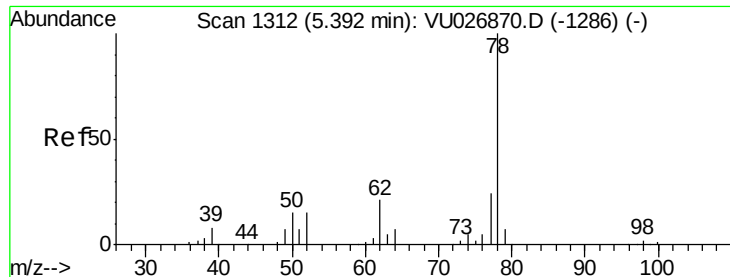
Tot Ion: 64 Resp: 61002
 Ion Ratio Lower Upper
 64 100
 66 4.9 23.0 42.8#



#13
 Acetone
 Concen: 3.412 ug/L
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU026884.D
 Acq: 18 Sep 2018 23:46

Tgt Ion: 43 Resp: 3708
 Ion Ratio Lower Upper
 43 100
 58 30.0 0.0 64.6





#33

Benzene

Concen: 4.427 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU026884.D

Acq: 18 Sep 2018 23:46

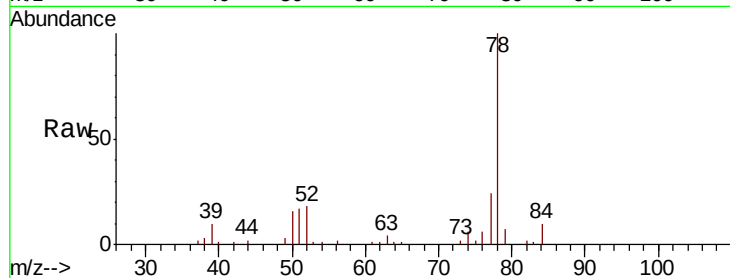
Instrument :

MSVOA_U

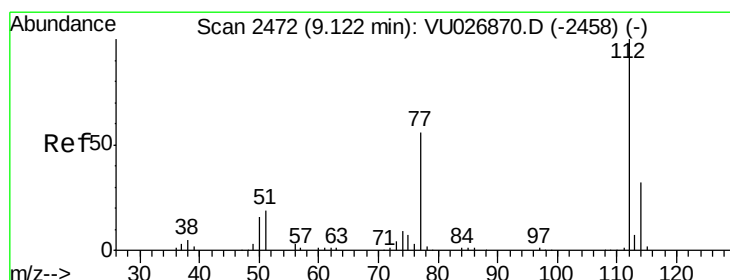
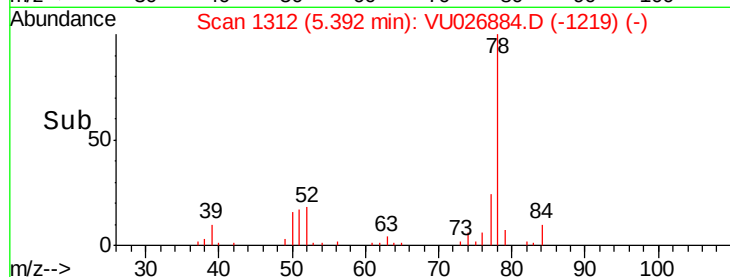
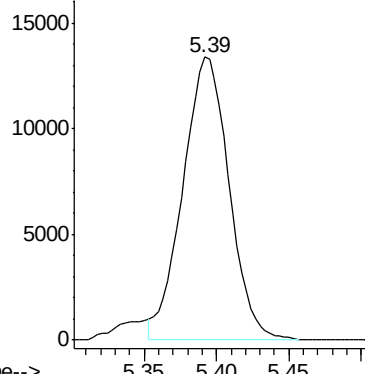
ClientSampled :

C08M8

Tgt Ion: 78 Resp: 29674



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 10.923 ug/L

RT: 9.12 min Scan# 2472

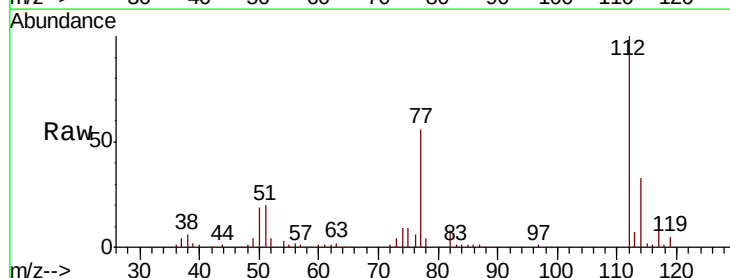
Delta R.T. -0.00 min

Lab File: VU026884.D

Acq: 18 Sep 2018 23:46

Tgt Ion: 112 Resp: 50276

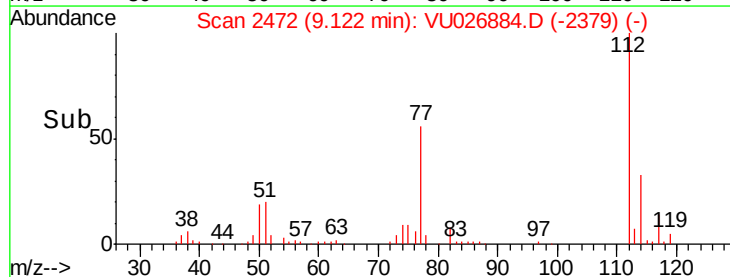
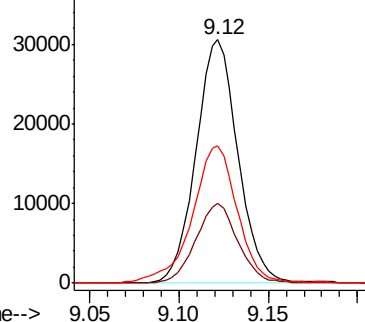
Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.3	41.5
77	56.2	45.1	67.7

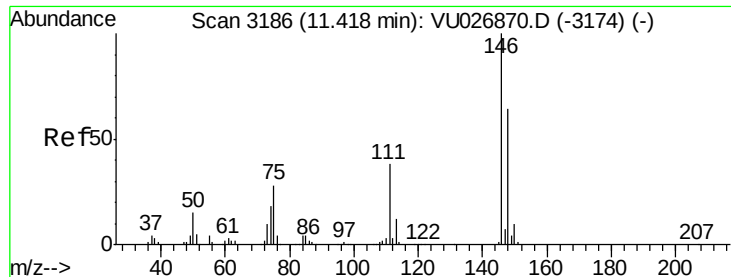


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 1.013 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026884.D

Acq: 18 Sep 2018 23:46

Instrument :

MSVOA_U

ClientSampled :

C08M8

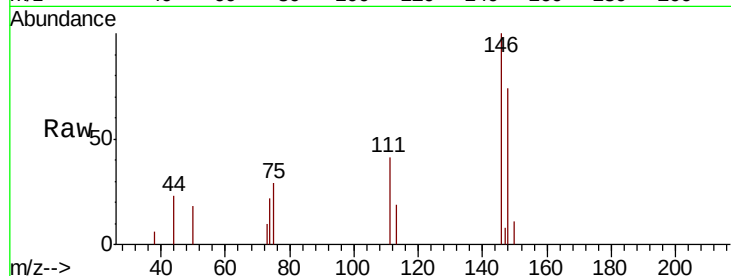
Tot Ion:146 Resp: 2766

Ion Ratio Lower Upper

146 100

111 40.7 26.7 49.7

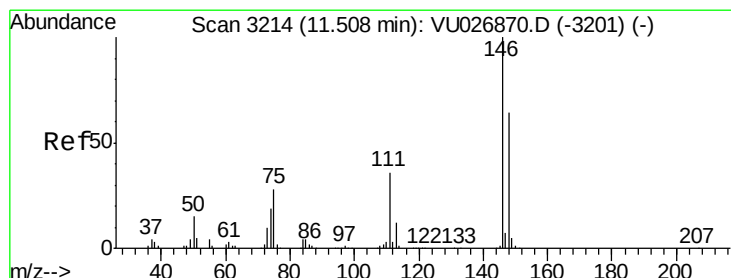
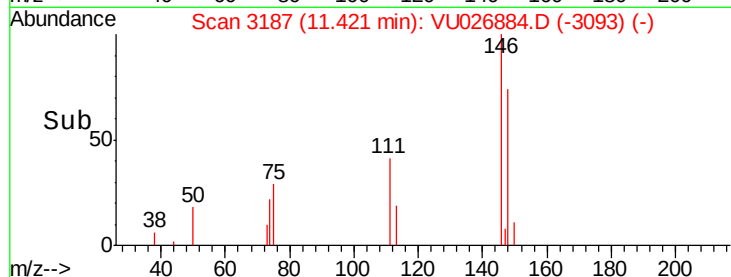
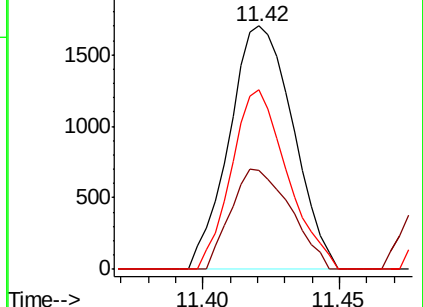
148 73.9 44.9 83.5



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: 4.674 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026884.D

Acq: 18 Sep 2018 23:46

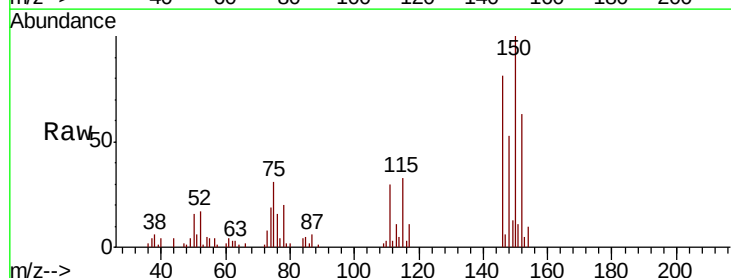
Tgt Ion:146 Resp: 14047

Ion Ratio Lower Upper

146 100

111 37.4 26.0 48.2

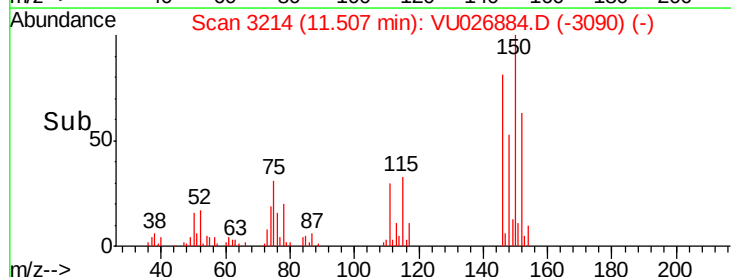
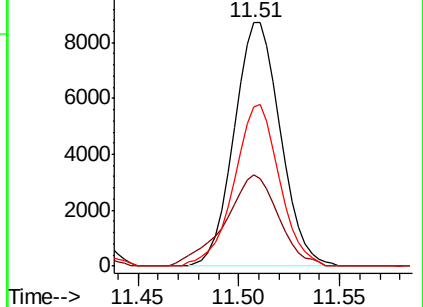
148 65.4 45.8 85.2

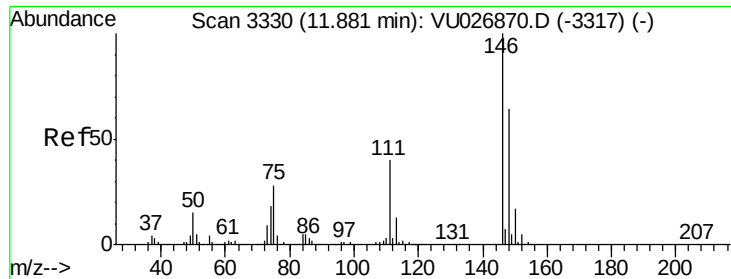


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.007 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026884.D

Acq: 18 Sep 2018 23:46

Instrument :

MSVOA_U

ClientSampleId :

C08M8

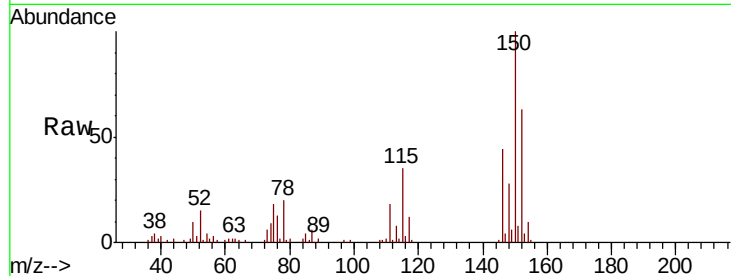
Tot Ion:146 Resp: 15132

Ion Ratio Lower Upper

146 100

111 41.7 31.4 47.0

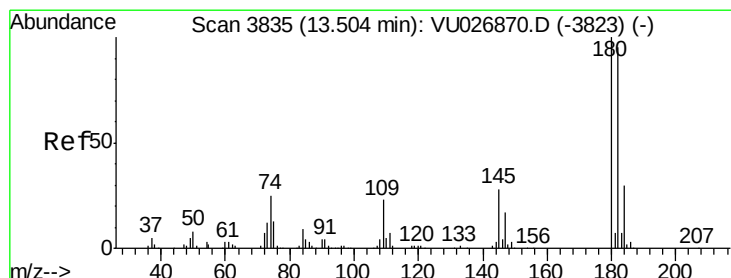
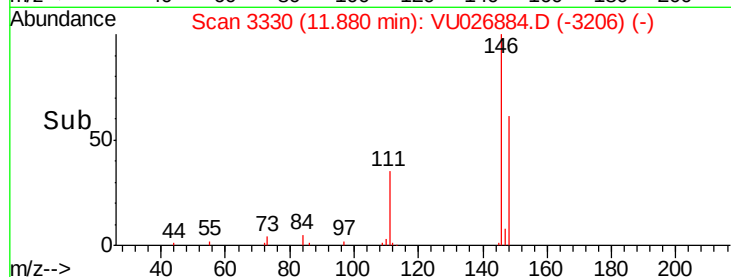
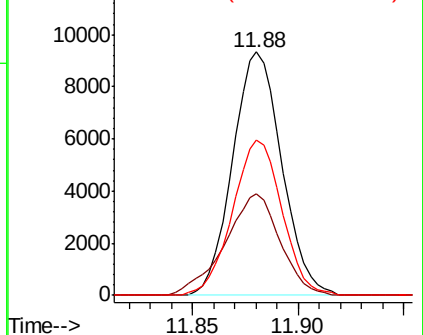
148 63.6 51.4 77.2



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: 5.503 ug/L

RT: 13.51 min Scan# 3836

Delta R.T. 0.00 min

Lab File: VU026884.D

Acq: 18 Sep 2018 23:46

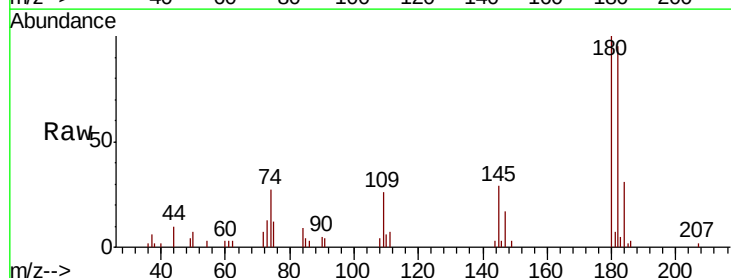
Tgt Ion:180 Resp: 10017

Ion Ratio Lower Upper

180 100

182 96.7 76.8 115.2

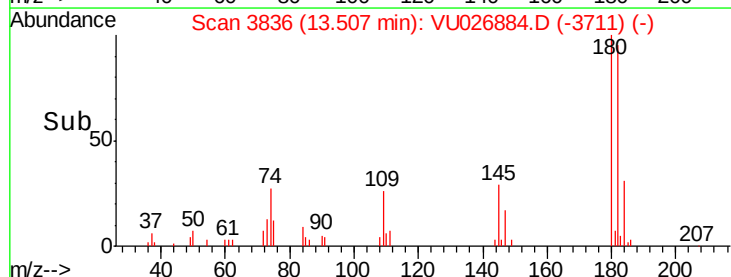
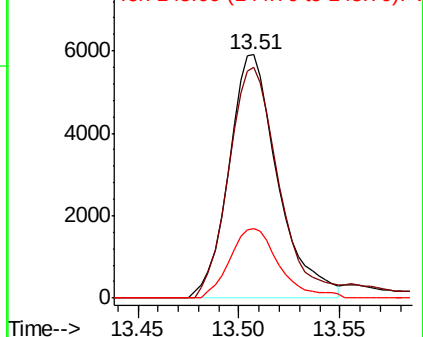
145 28.2 22.2 33.2

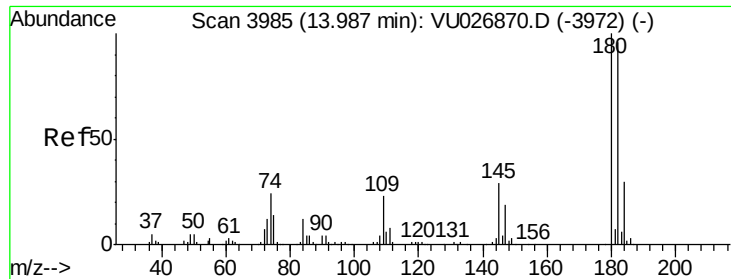


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 1.509 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU026884.D
 Acq: 18 Sep 2018 23:46

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 MSVOA_U
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	75.6	113.4
145	25.4	23.8	35.6

