

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091018\
 Data File : VU026667.D
 Acq On : 10 Sep 2018 22:19
 Operator : MD/SY
 Sample : J4837-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N3

Quant Time: Sep 11 07:29:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 11 07:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	178787	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	168621	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	71879	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62923	47.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.46%
7) Chloroethane-d5	1.68	69	53077	49.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.88%
11) 1,1-Dichloroethene-d2	2.27	63	84799	35.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.12%
21) 2-Butanone-d5	4.18	46	89490	107.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.94%
24) Chloroform-d	4.65	84	107583	48.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.12%
26) 1,2-Dichloroethane-d4	5.31	65	73045	50.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.76%
32) Benzene-d6	5.34	84	222478	50.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.96%
36) 1,2-Dichloropropane-d6	6.33	67	76564	52.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.56%
41) Toluene-d8	7.57	98	198328	48.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.86%
43) trans-1,3-Dichloropropene-	7.85	79	32440	47.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.30%
47) 2-Hexanone-d5	8.31	63	62983	105.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.41%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	100486	50.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	75741	52.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.72%

Target Compounds

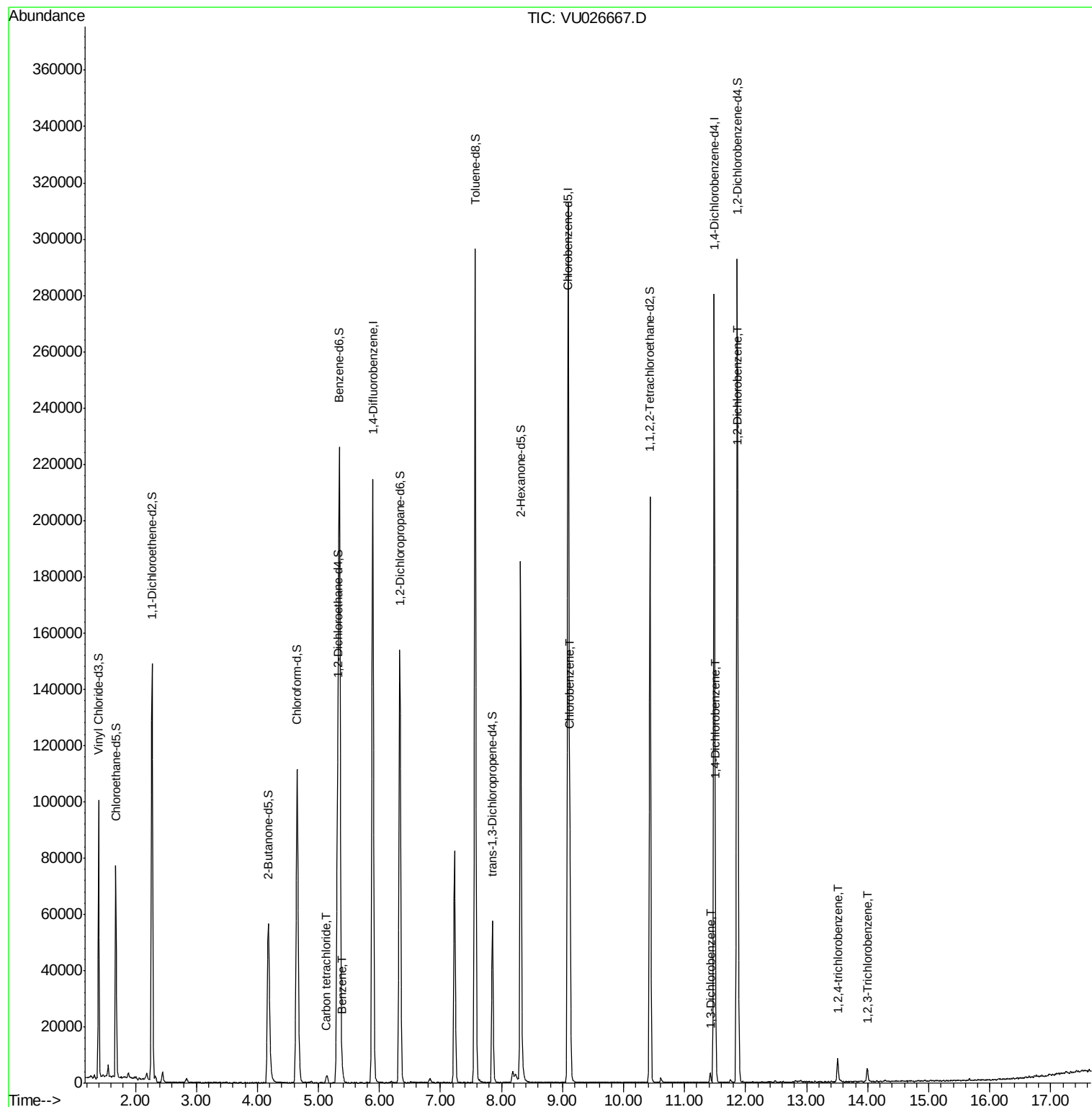
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
31) Carbon tetrachloride	5.13	117	1838	1.14	ug/L	83
33) Benzene	5.40	78	4091	0.87	ug/L	100
51) Chlorobenzene	9.12	112	43458	13.52	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	1715	0.83	ug/L	85
63) 1,4-Dichlorobenzene	11.51	146	4467	2.04	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	12548	5.75	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	3678	2.58	ug/L	95
70) 1,2,3-Trichlorobenzene	13.99	180	2355	1.53	ug/L	98

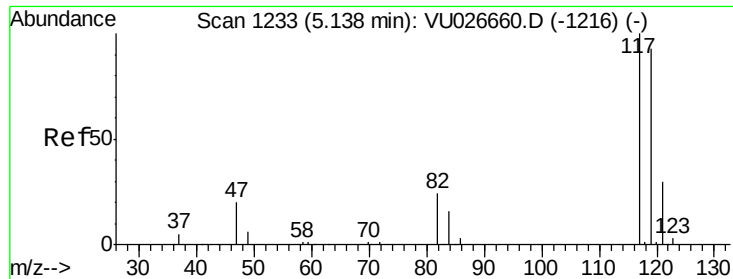
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#31

Carbon tetrachloride

Concen: 1.14 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026667.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_U

ClientSampleId :

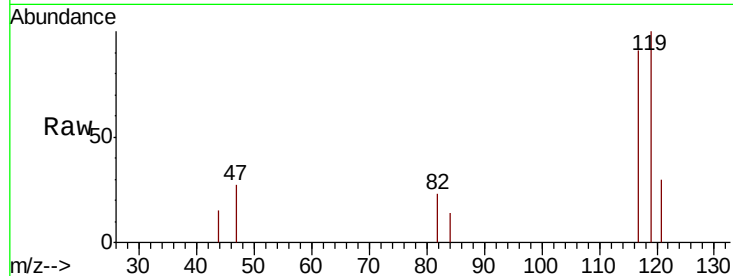
C08N3

Tot Ion:117 Resp: 1838

Ion Ratio Lower Upper

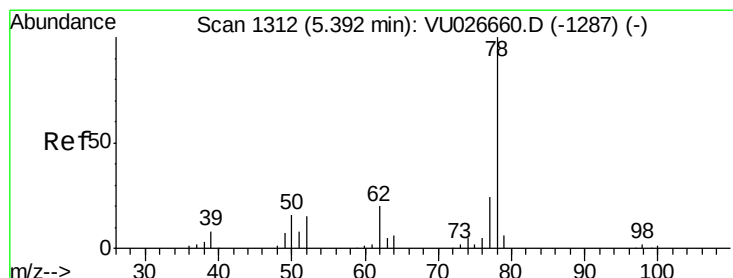
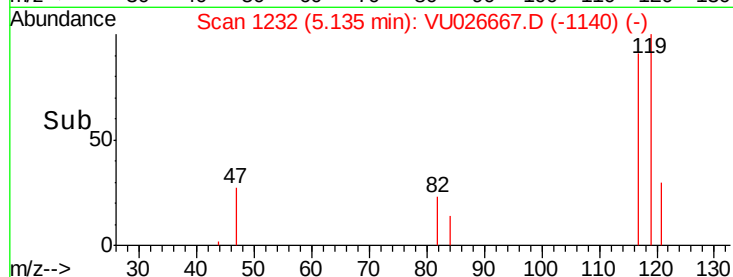
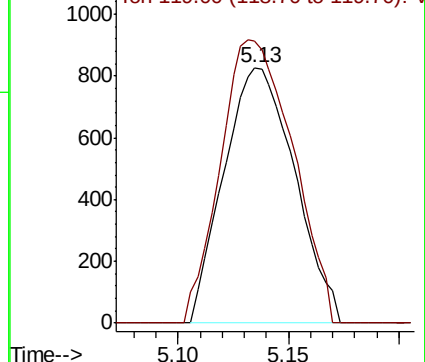
117 100

119 113.3 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 0.87 ug/L

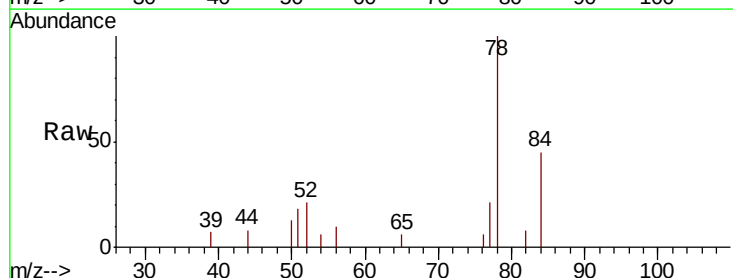
RT: 5.40 min Scan# 1313

Delta R.T. 0.00 min

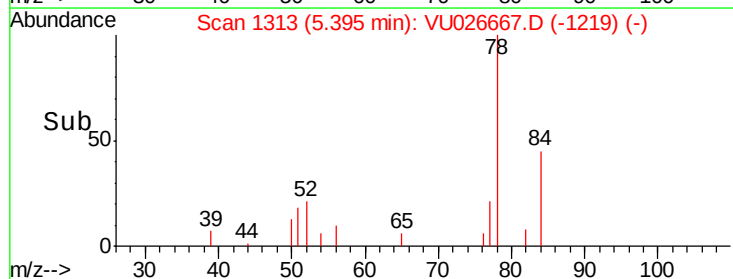
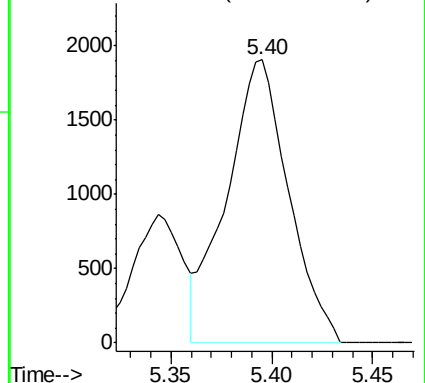
Lab File: VU026667.D

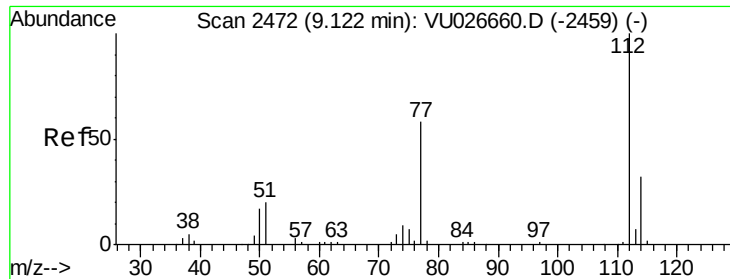
Acq: 10 Sep 2018 22:19

Tgt Ion: 78 Resp: 4091



Abundance Ion 78.00 (77.70 to 78.70): VU0





#51

Chlorobenzene

Concen: 13.52 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026667.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_U

ClientSampleId :

C08N3

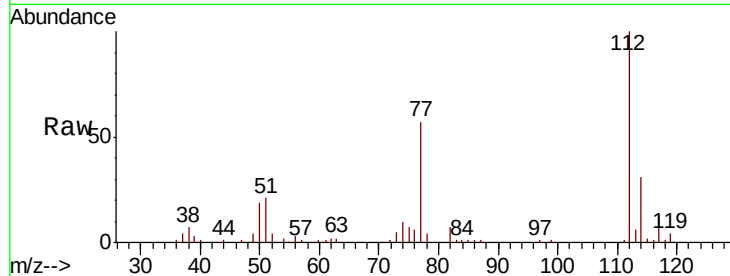
Tot Ion:112 Resp: 43458

Ion Ratio Lower Upper

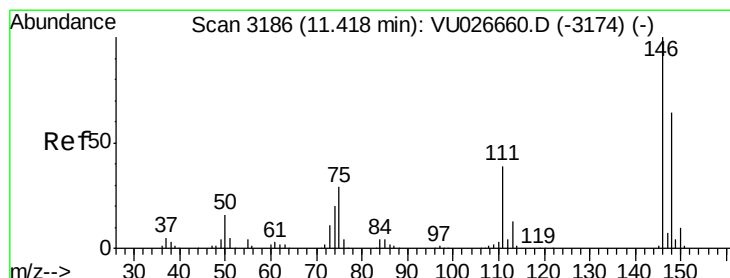
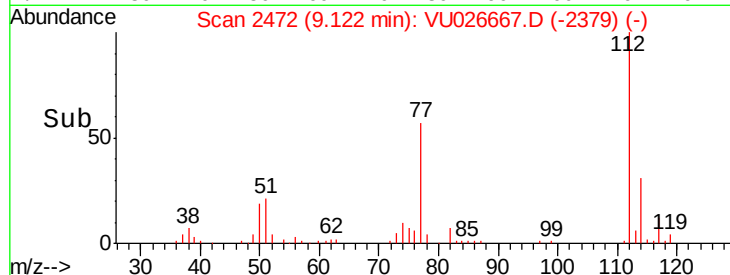
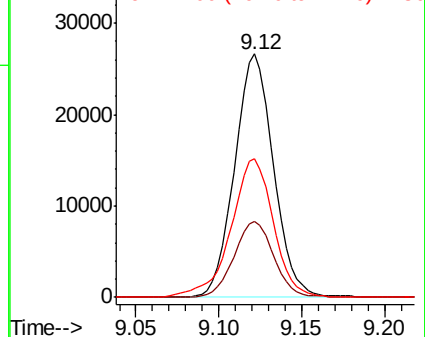
112 100

114 31.1 22.9 42.5

77 56.7 47.2 70.8



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): V



#62

1,3-Dichlorobenzene

Concen: 0.83 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026667.D

Acq: 10 Sep 2018 22:19

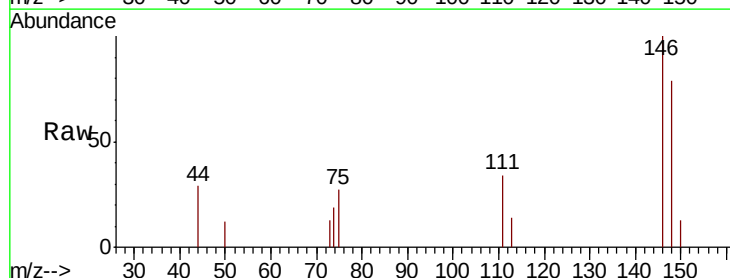
Tgt Ion:146 Resp: 1715

Ion Ratio Lower Upper

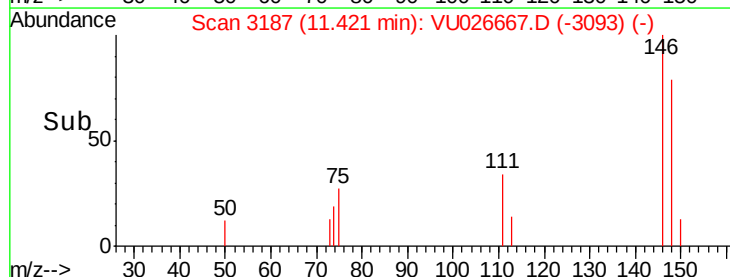
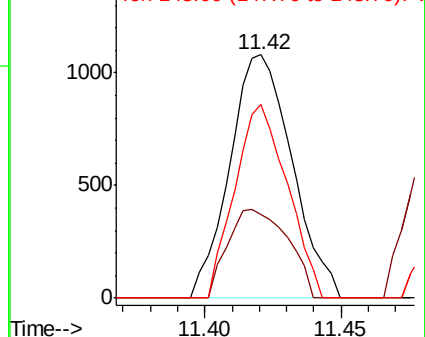
146 100

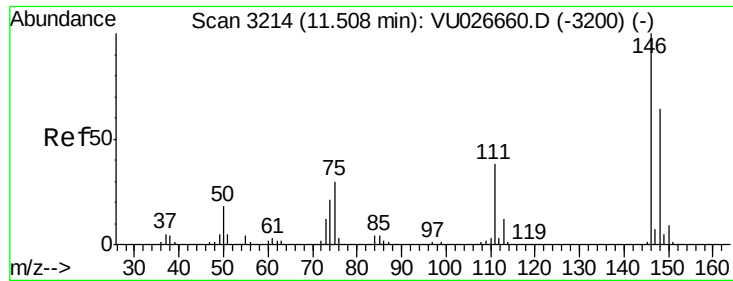
111 34.4 26.7 49.5

148 79.5 44.2 82.2



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





#63

1,4-Dichlorobenzene

Concen: 2.04 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU026667.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_U

ClientSampleId :

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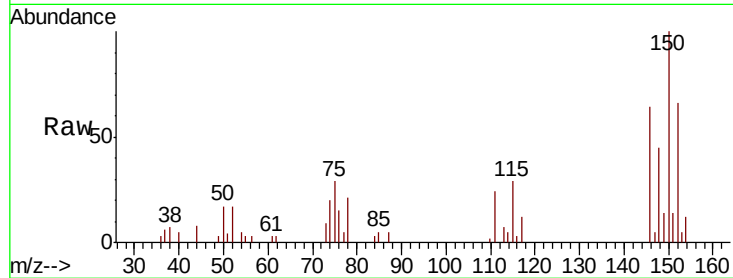
Tot Ion:146 Resp: 4467

Ion Ratio Lower Upper

146 100

111 38.1 26.5 49.3

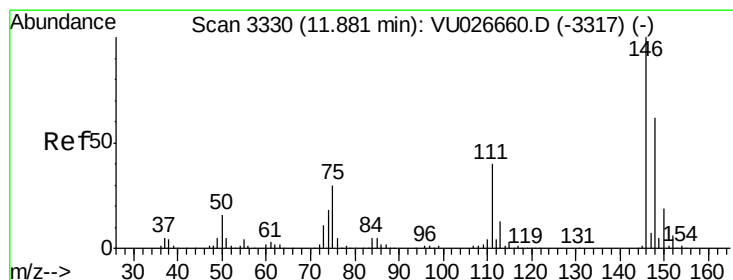
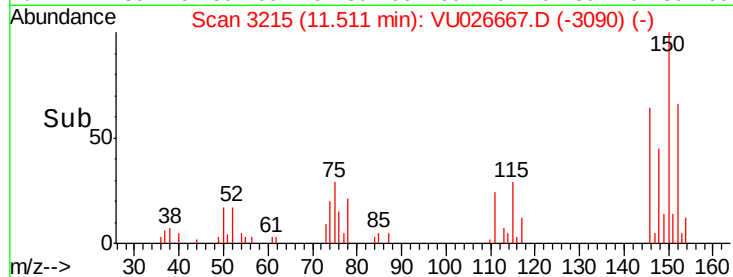
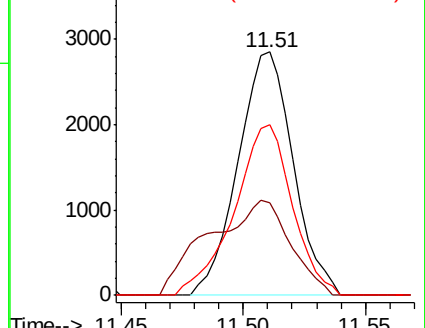
148 70.2 45.2 84.0



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: 5.75 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026667.D

Acq: 10 Sep 2018 22:19

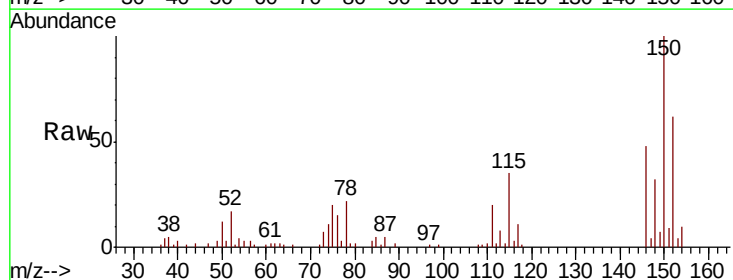
Tgt Ion:146 Resp: 12548

Ion Ratio Lower Upper

146 100

111 42.2 32.8 49.2

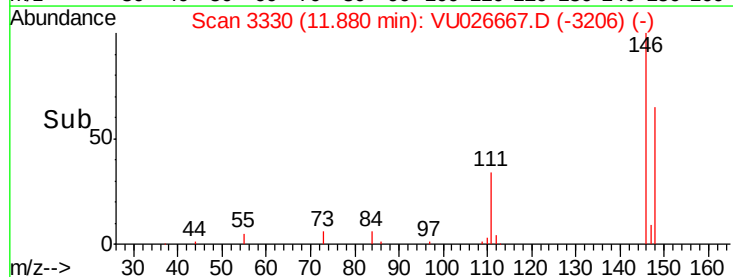
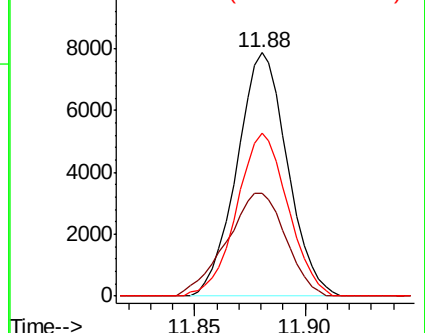
148 66.8 52.2 78.4

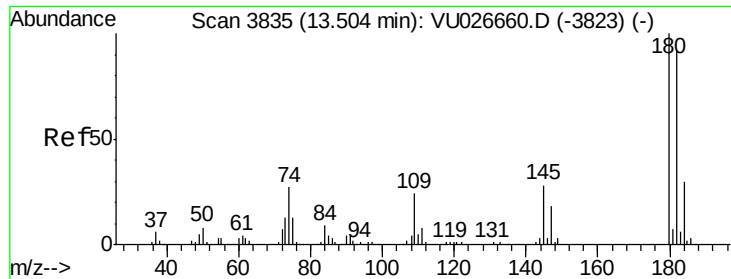


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

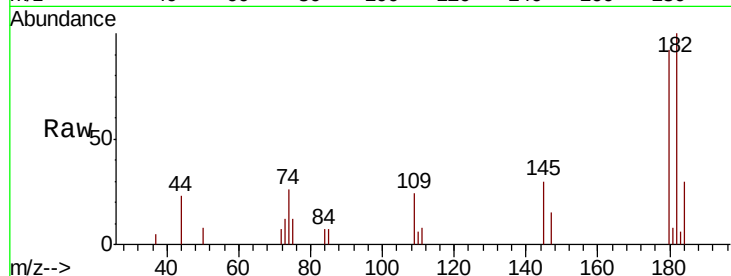




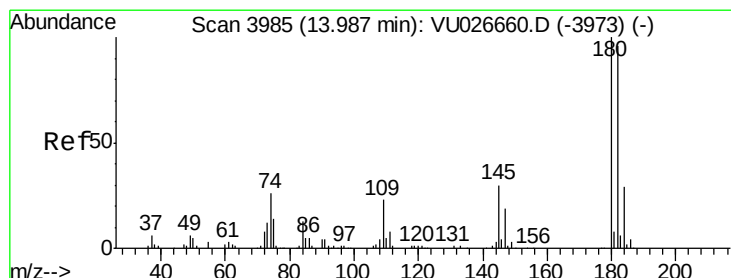
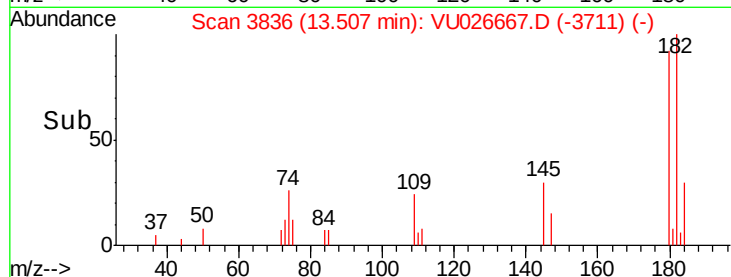
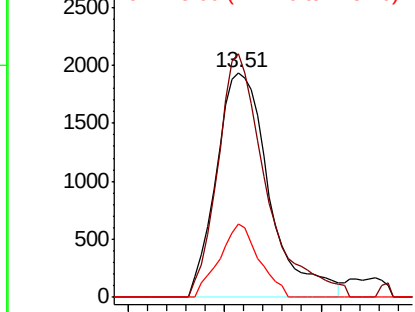
#68
 1,2,4-trichlorobenzene
 Concen: 2.58 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026667.D
 Acq: 10 Sep 2018 22:19

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Tot Ion:180 Resp: 3678
 Ion Ratio Lower Upper
 180 100
 182 98.9 76.0 114.0
 145 24.3 23.4 35.0

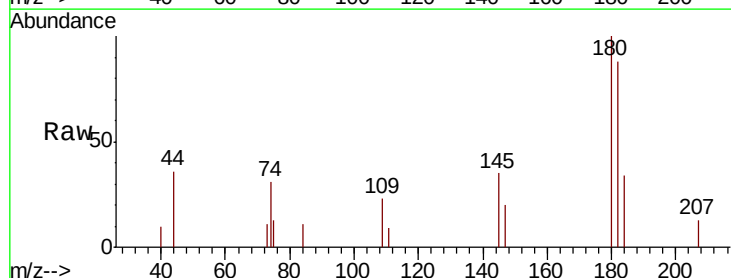


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 1.53 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026667.D
 Acq: 10 Sep 2018 22:19

Tgt Ion:180 Resp: 2355
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.7 115.1
 145 26.3 23.0 34.6



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

