

Data File : VU026755.D
Acq On : 14 Sep 2018 10:58
Operator : MD/SY
Sample : J4893-03DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08K2DL

Quant Time: Sep 15 07:01:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	179451	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	168825	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	74659	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	55703	41.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.30%
7) Chloroethane-d5	1.68	69	46183	42.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.72%
11) 1,1-Dichloroethene-d2	2.27	63	79616	33.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.54%
21) 2-Butanone-d5	4.18	46	80834	97.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.13%
24) Chloroform-d	4.65	84	96582	43.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.88%
26) 1,2-Dichloroethane-d4	5.31	65	64915	44.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.22%
32) Benzene-d6	5.34	84	194584	44.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.06%
36) 1,2-Dichloropropane-d6	6.33	67	66977	45.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.36%
41) Toluene-d8	7.57	98	173968	42.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.86%
43) trans-1,3-Dichloropropene-	7.85	79	28112	41.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.48%
47) 2-Hexanone-d5	8.31	63	54881	91.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.74%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	88013	43.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	67021	45.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.06%

Target Compounds

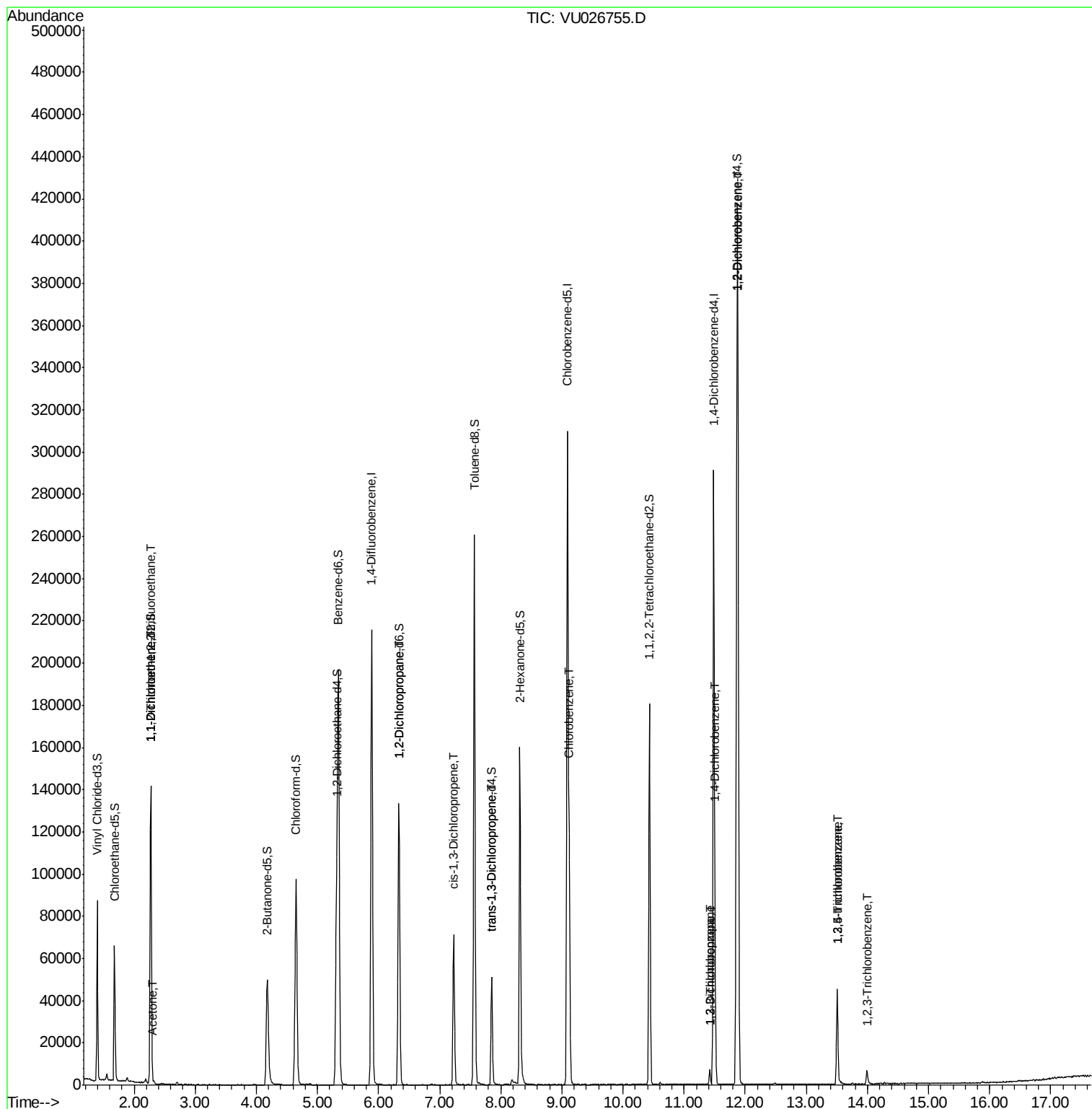
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	768	0.697 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	590	0.558 ug/L #	1
13) Acetone	2.32	43	492	0.519 ug/L #	43
37) 1,2-Dichloropropane	6.33	63	6857	5.192 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1696	0.868 ug/L #	65
44) trans-1,3-Dichloropropene	7.85	75	1179	0.648 ug/L	86
51) Chlorobenzene	9.12	112	59621	18.531 ug/L	98
59) 1,2,3-Trichloropropane	11.42	75	1028	0.658 ug/L #	42
62) 1,3-Dichlorobenzene	11.42	146	3355	1.565 ug/L	92
63) 1,4-Dichlorobenzene	11.51	146	14444	6.360 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	140852	62.169 ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	16032	9.428 ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	16032	10.848 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	3077	1.922 ug/L	98

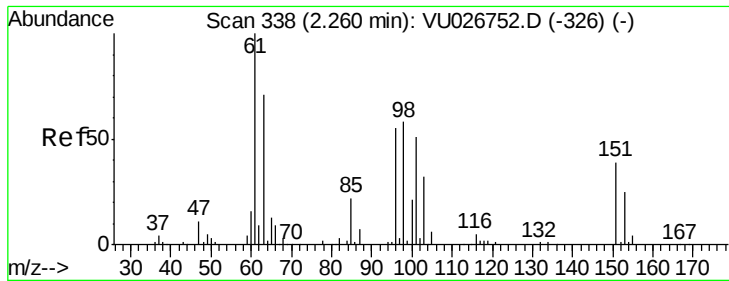
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.697 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026755.D

Acq: 14 Sep 2018 10:58

Instrument :

MSVOA_U

ClientSampleId :

C08K2DL

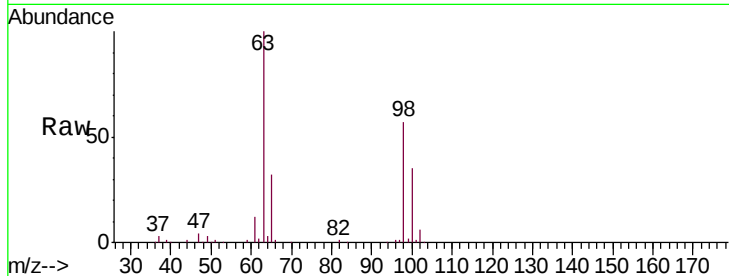
Tgt Ion: 101 Resp: 768

Ion Ratio Lower Upper

101 100

85 0.0 34.1 51.1#

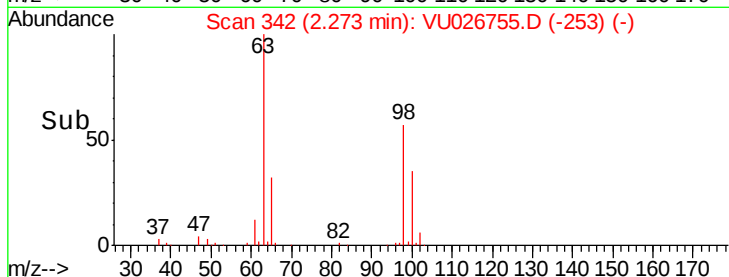
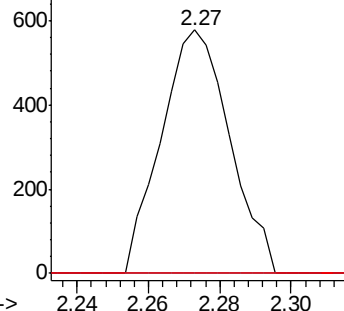
151 0.0 62.6 94.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.558 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU026755.D

Acq: 14 Sep 2018 10:58

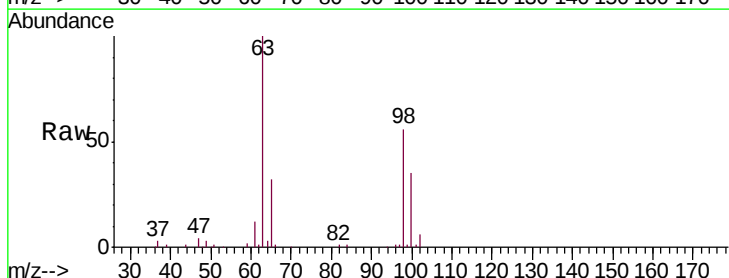
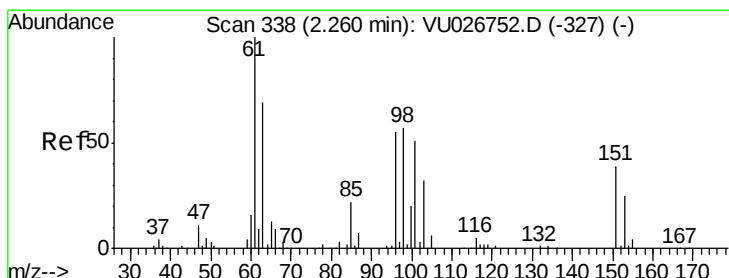
Tgt Ion: 96 Resp: 590

Ion Ratio Lower Upper

96 100

61 1498.1 121.0 224.8#

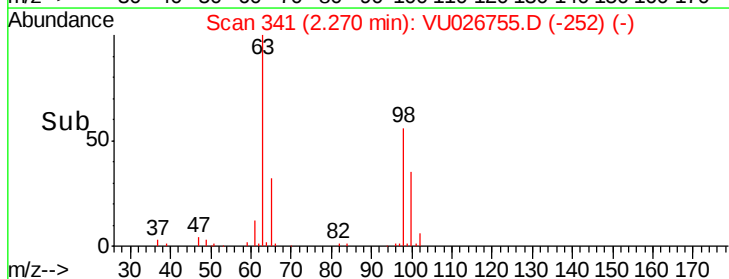
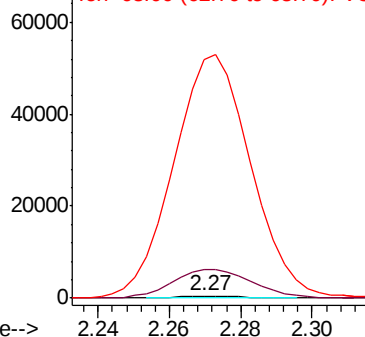
63 12498.6 89.9 166.9#

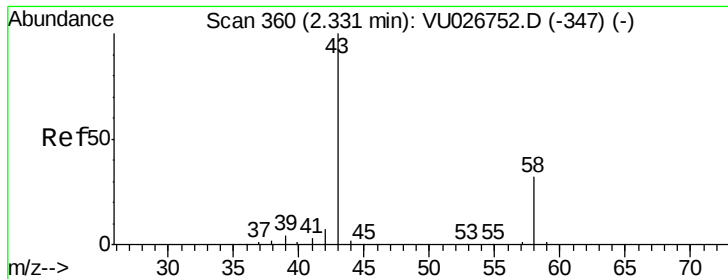


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.519 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU026755.D

Acq: 14 Sep 2018 10:58

Instrument :

MSVOA_U

ClientSampleId :

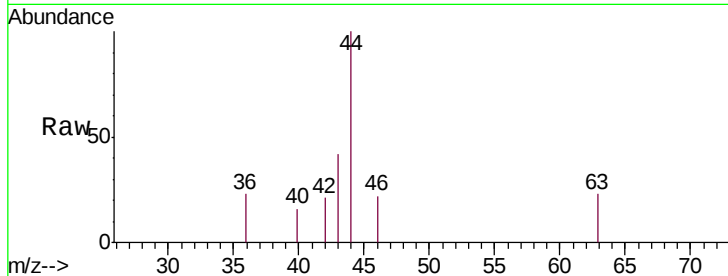
C08K2DL

Tgt Ion: 43 Resp: 492

Ion Ratio Lower Upper

43 100

58 0.0 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

300

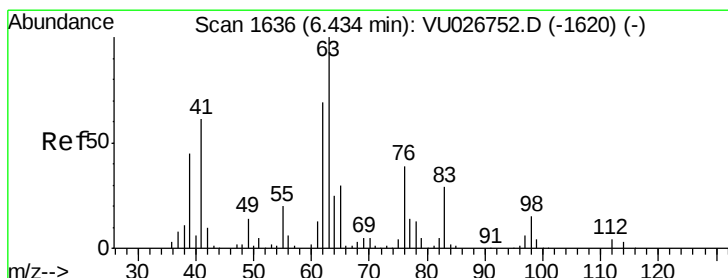
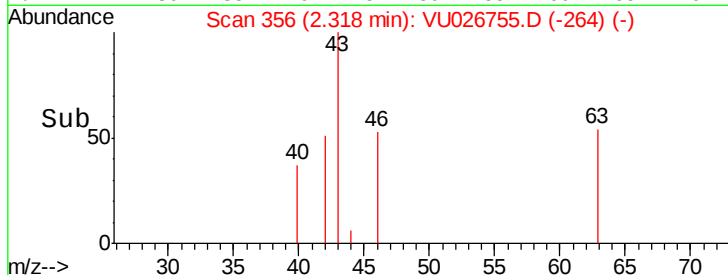
200

100

0

2.28 2.30 2.32 2.34

Time-->



#37

1,2-Dichloropropane

Concen: 5.192 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU026755.D

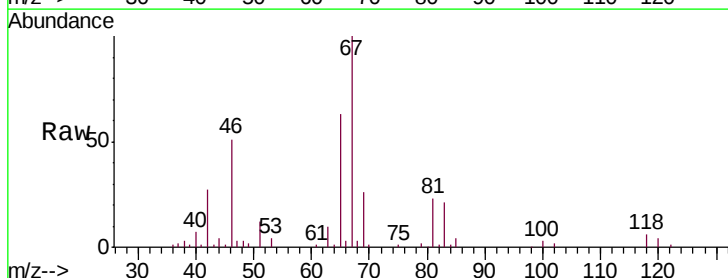
Acq: 14 Sep 2018 10:58

Tgt Ion: 63 Resp: 6857

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

4000

3000

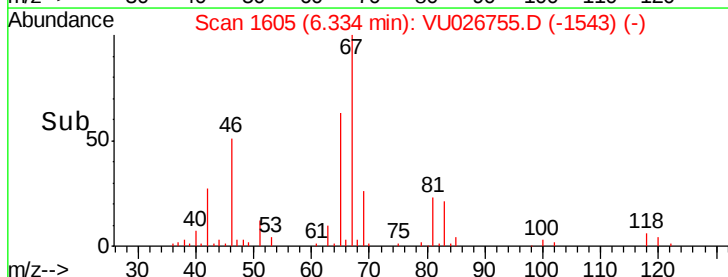
2000

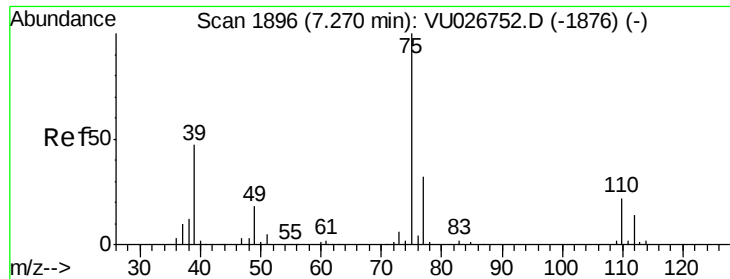
1000

0

6.30 6.35

Time-->

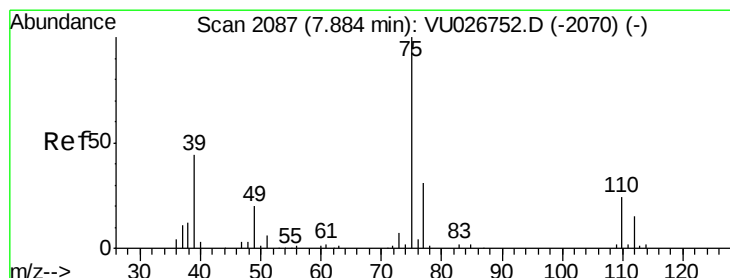
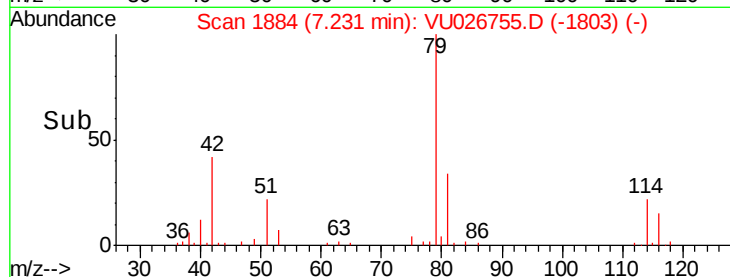
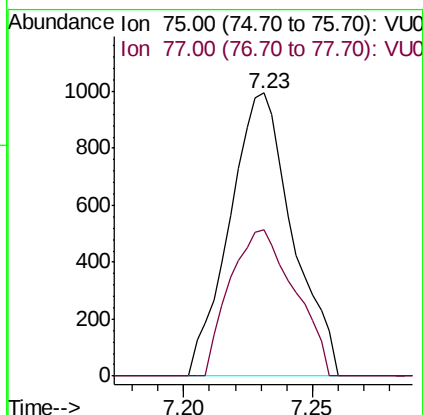
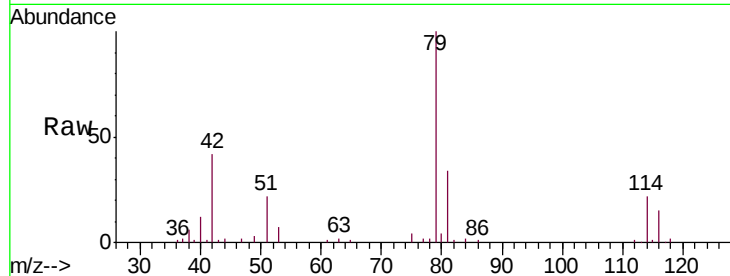




#39
 cis-1,3-Dichloropropene
 Concen: 0.868 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026755.D
 Acq: 14 Sep 2018 10:58

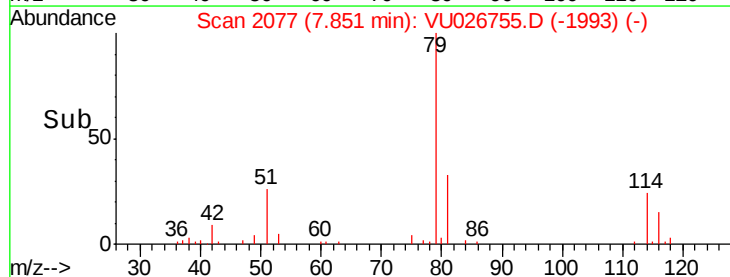
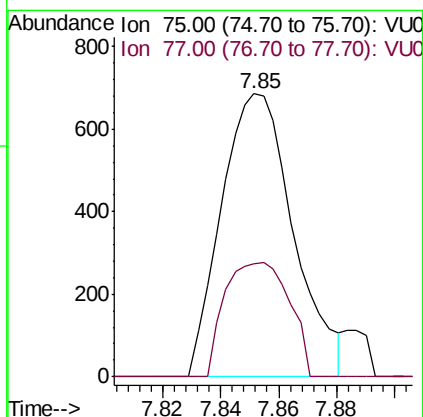
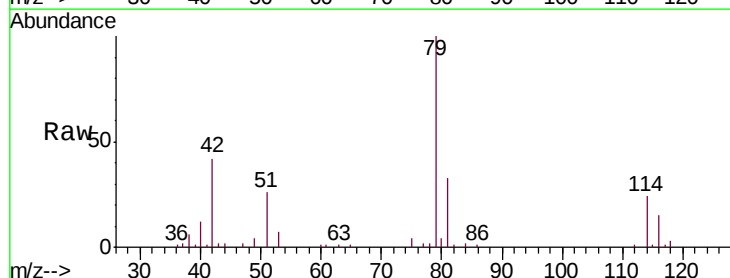
Instrument :
 MSVOA_U
 ClientSampled :
 C08K2DL

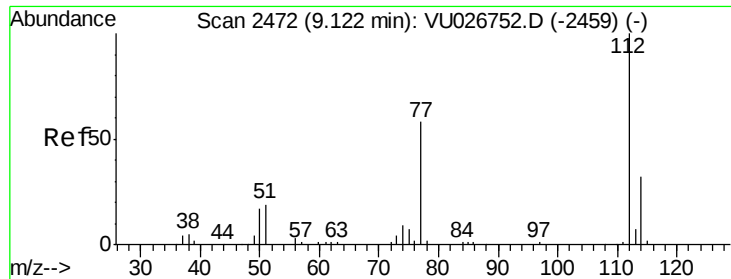
Tgt Ion: 75 Resp: 1696
 Ion Ratio Lower Upper
 75 100
 77 51.5 22.3 41.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.648 ug/L
 RT: 7.85 min Scan# 2077
 Delta R.T. -0.03 min
 Lab File: VU026755.D
 Acq: 14 Sep 2018 10:58

Tgt Ion: 75 Resp: 1179
 Ion Ratio Lower Upper
 75 100
 77 39.9 22.4 41.6

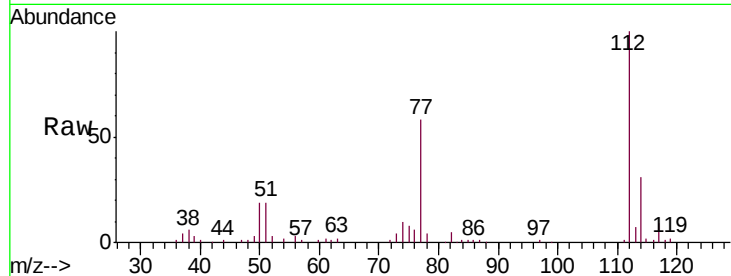




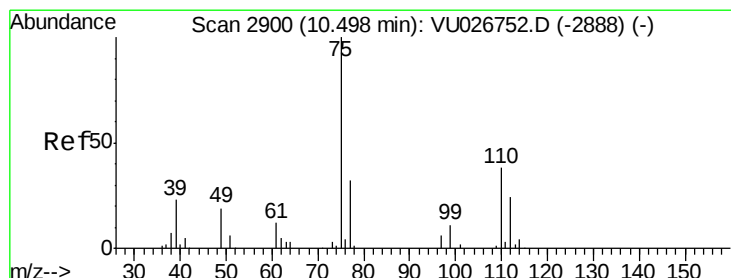
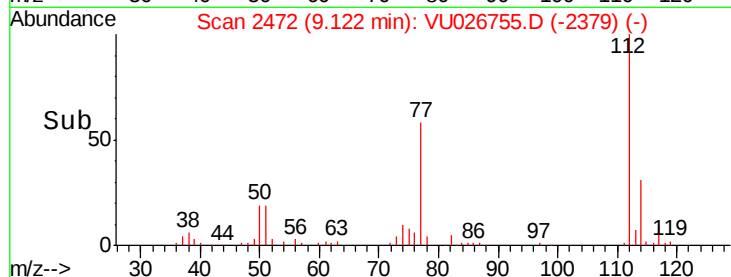
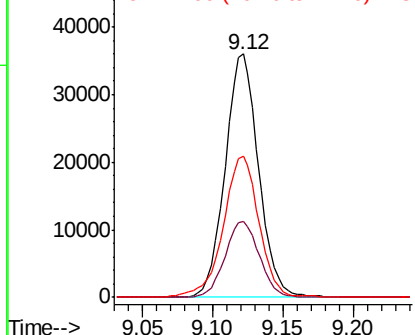
#51
Chlorobenzene
Concen: 18.531 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026755.D
Acq: 14 Sep 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
C08K2DL

Tgt Ion: 112 Resp: 59621
Ion Ratio Lower Upper
112 100
114 31.0 22.9 42.5
77 58.1 47.2 70.8

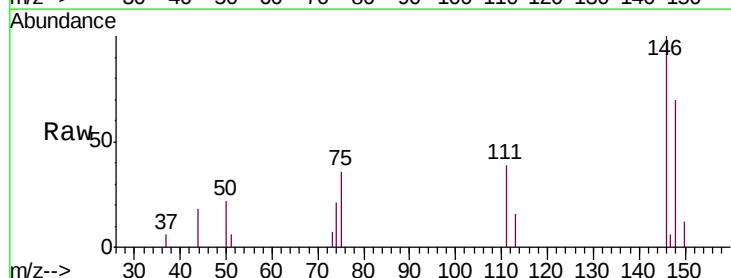


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

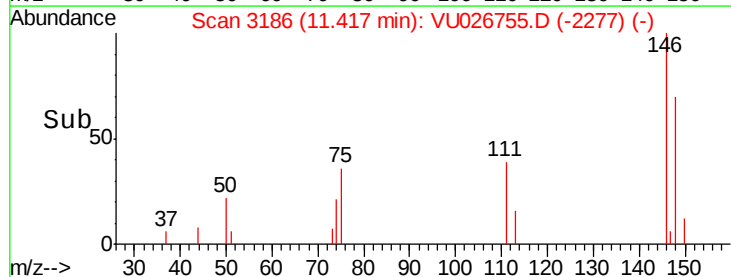
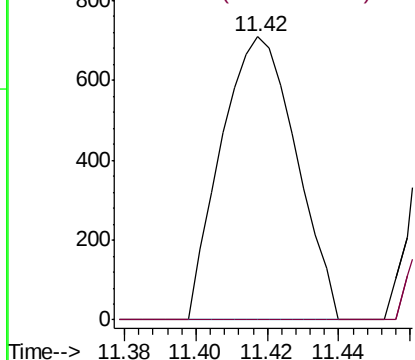


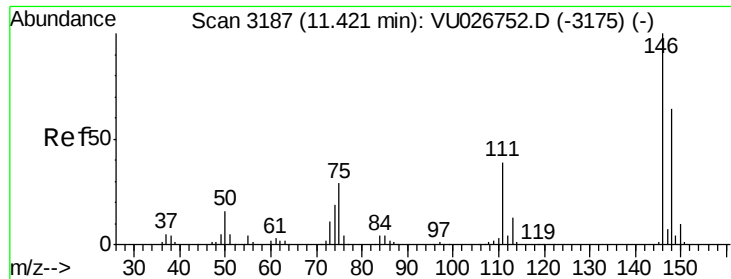
#59
1,2,3-Trichloropropane
Concen: 0.658 ug/L
RT: 11.42 min Scan# 3186
Delta R.T. 0.92 min
Lab File: VU026755.D
Acq: 14 Sep 2018 10:58

Tgt Ion: 75 Resp: 1028
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 1.565 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026755.D

Acq: 14 Sep 2018 10:58

Instrument :

MSVOA_U

ClientSampled :

C08K2DL

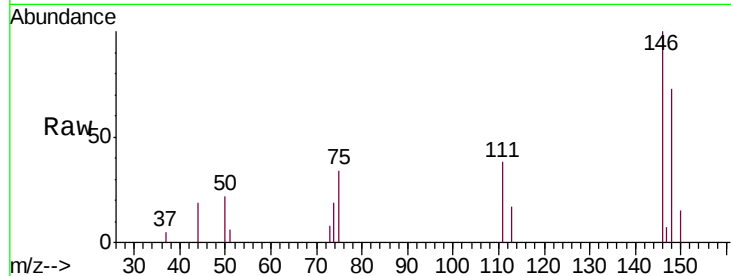
Tgt Ion:146 Resp: 3355

Ion Ratio Lower Upper

146 100

111 38.3 26.7 49.5

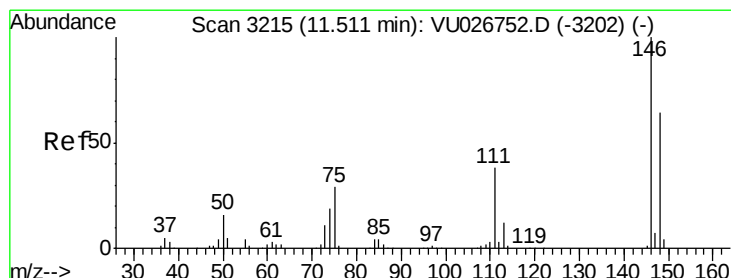
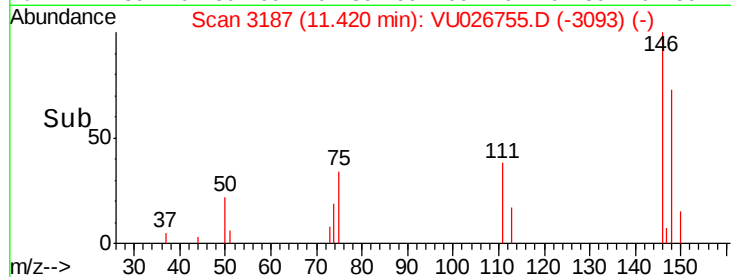
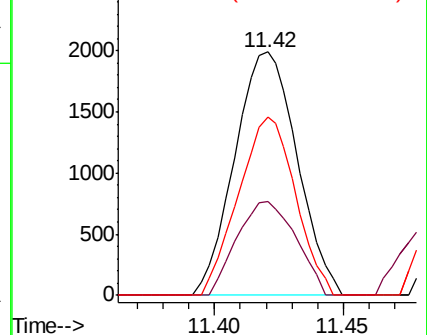
148 73.4 44.2 82.2



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: 6.360 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU026755.D

Acq: 14 Sep 2018 10:58

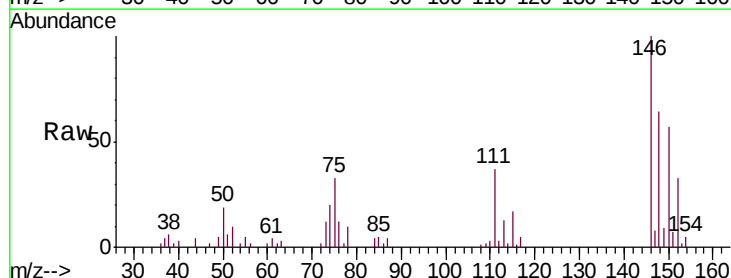
Tgt Ion:146 Resp: 14444

Ion Ratio Lower Upper

146 100

111 36.7 26.5 49.3

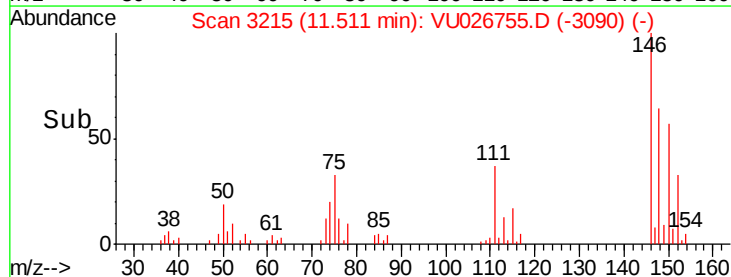
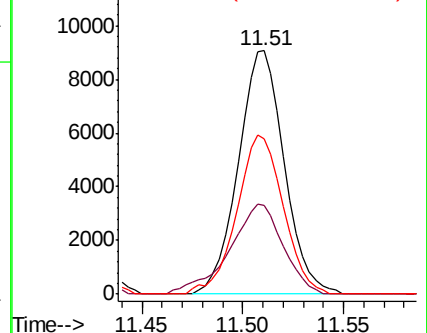
148 63.9 45.2 84.0

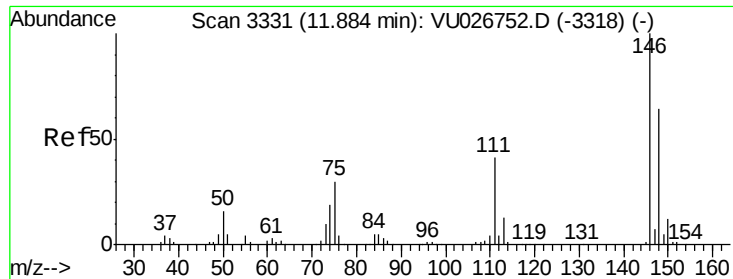


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 62.169 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026755.D

Acq: 14 Sep 2018 10:58

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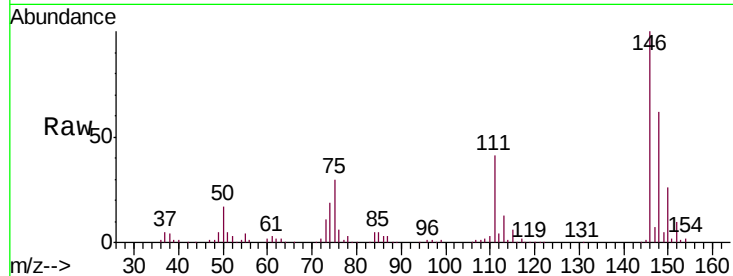
Tgt Ion:146 Resp: 140852

Ion Ratio Lower Upper

146 100

111 40.9 32.8 49.2

148 62.4 52.2 78.4

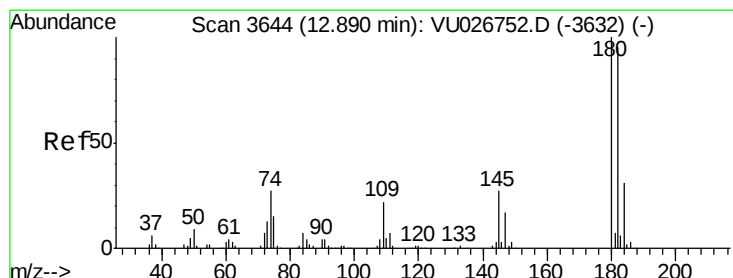
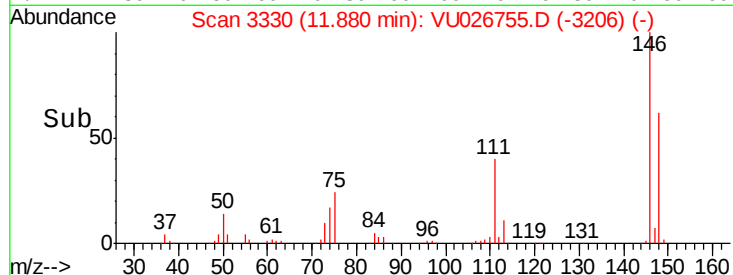
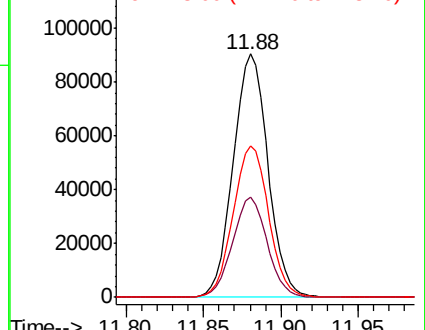


Abundance

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



#67

1,3,5-Trichlorobenzene

Concen: 9.428 ug/L

RT: 13.51 min Scan# 3836

Delta R.T. 0.62 min

Lab File: VU026755.D

Acq: 14 Sep 2018 10:58

Tgt Ion:180 Resp: 16032

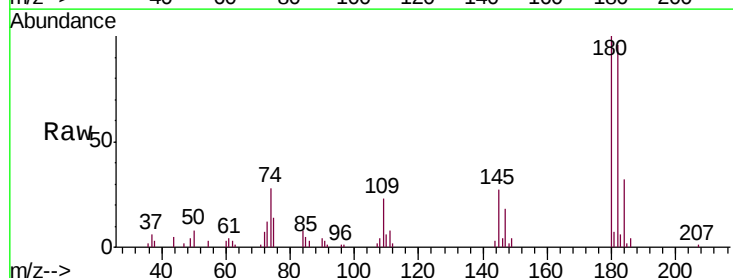
Ion Ratio Lower Upper

180 100

182 95.3 76.8 115.2

184 31.4 24.2 36.2

145 26.8 21.4 32.2



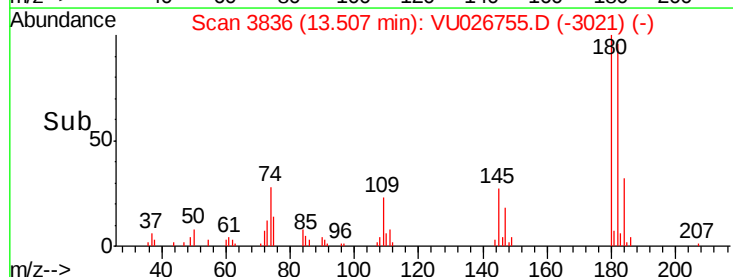
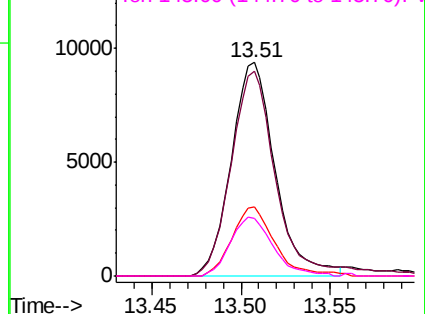
Abundance

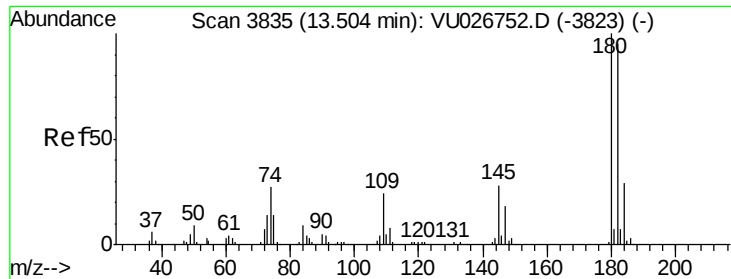
Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

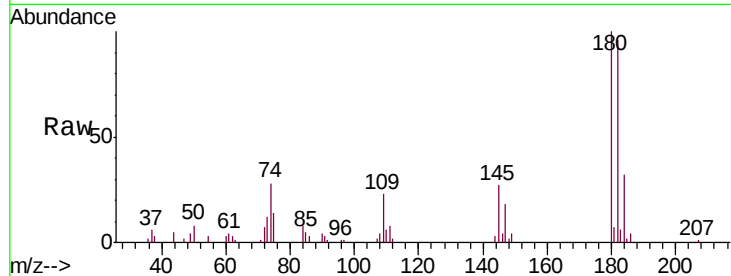




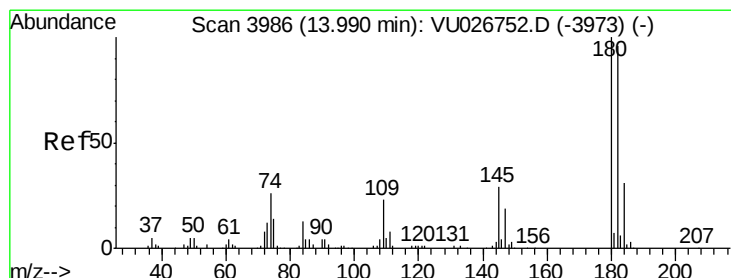
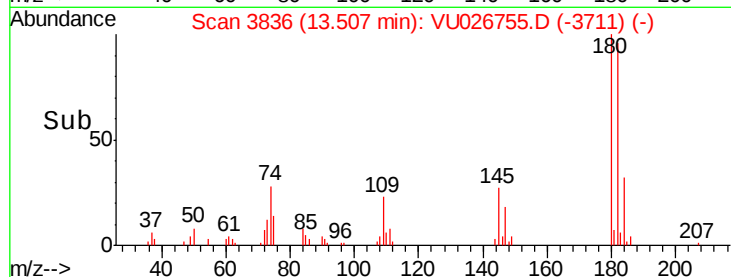
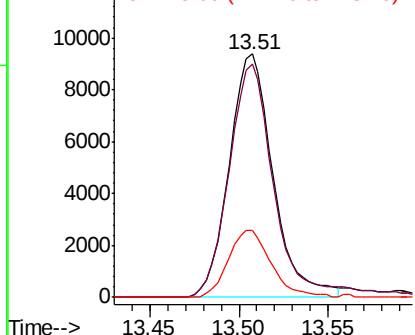
#68
 1,2,4-trichlorobenzene
 Concen: 10.848 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026755.D
 Acq: 14 Sep 2018 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K2DL

Tgt Ion:180 Resp: 16032
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.0 114.0
 145 26.8 23.4 35.0

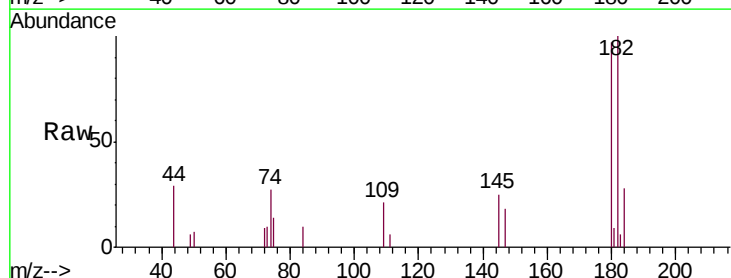


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 1.922 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU026755.D
 Acq: 14 Sep 2018 10:58

Tgt Ion:180 Resp: 3077
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.7 115.1
 145 25.7 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

