

Data File : VU026756.D
Acq On : 14 Sep 2018 11:21
Operator : MD/SY
Sample : J4893-10DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08N0DL

Quant Time: Sep 15 07:01:12 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	172306	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	161964	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	69898	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56197	43.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.52%
7) Chloroethane-d5	1.68	69	45981	44.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.88%
11) 1,1-Dichloroethene-d2	2.27	63	79057	34.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.80%
21) 2-Butanone-d5	4.18	46	81604	102.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.13%
24) Chloroform-d	4.65	84	92631	43.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.78%
26) 1,2-Dichloroethane-d4	5.31	65	64731	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
32) Benzene-d6	5.34	84	193711	46.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.42%
36) 1,2-Dichloropropane-d6	6.33	67	66211	47.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.14%
41) Toluene-d8	7.57	98	170139	43.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.52%
43) trans-1,3-Dichloropropene-	7.85	79	28200	43.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.24%
47) 2-Hexanone-d5	8.31	63	56659	98.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	88426	45.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	66361	47.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.24%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	691	0.653 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	606	0.596 ug/L #	1
13) Acetone	2.32	43	1218	1.338 ug/L	78
25) Chloroform	4.67	83	3403	1.622 ug/L	90
27) 1,2-Dichloroethane	5.39	62	1451	0.871 ug/L #	75
33) Benzene	5.39	78	141087	31.107 ug/L	100
35) Methylcyclohexane	6.33	83	14189	7.863 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6653	5.251 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1701	0.907 ug/L #	52
44) trans-1,3-Dichloropropene	7.85	75	1389	0.796 ug/L	86
48) 2-Hexanone	8.31	43	6767	4.959 ug/L #	66
51) Chlorobenzene	9.12	112	154751	50.135 ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	694	0.463 ug/L #	42
62) 1,3-Dichlorobenzene	11.42	146	2961	1.475 ug/L	92
63) 1,4-Dichlorobenzene	11.51	146	50359	23.686 ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	44734	21.090 ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	3509	2.204 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.51	180	3509	2.536	ug/L	94

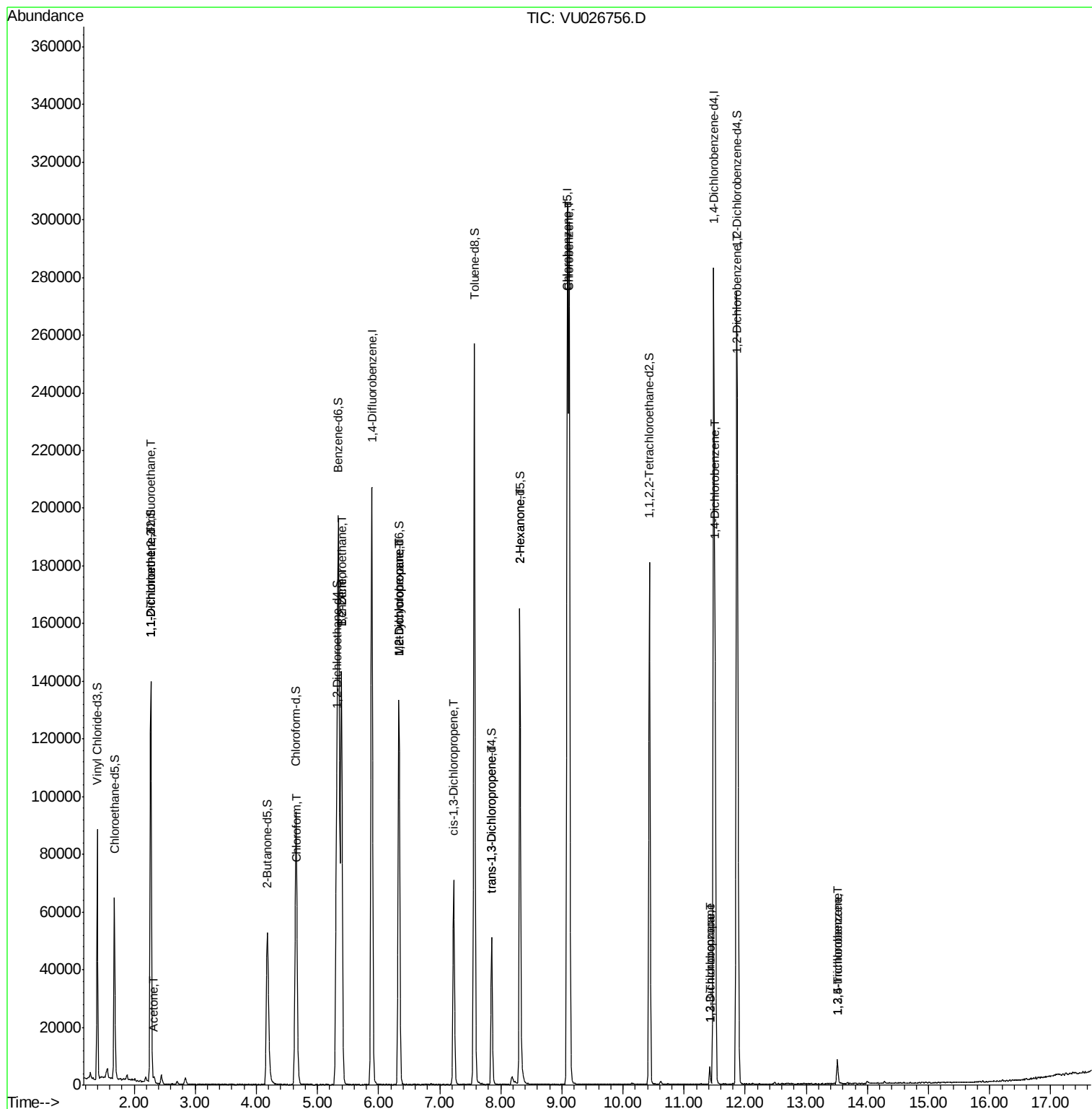
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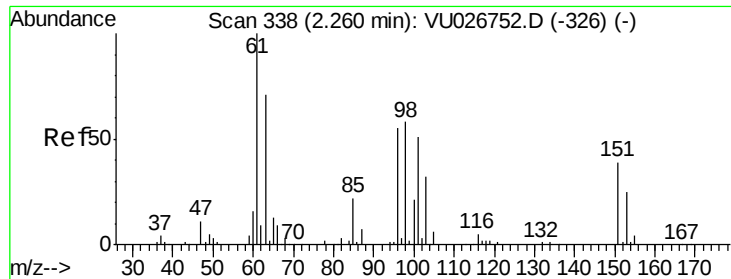
Data File : VU026756.D

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Operator    : MD/SY
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Instrument :
MSVOA_U
ClientSampleId :
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Quant Time: Sep 15 07:01:12 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





#10

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

Concen: 0.653 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026756.D

Acq: 14 Sep 2018 11:21

Instrument :

MSVOA_U

ClientSampleId :

C08N0DL

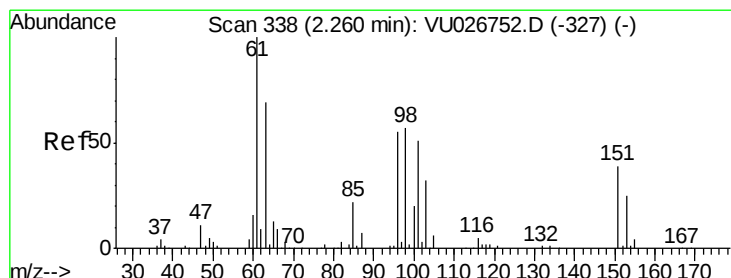
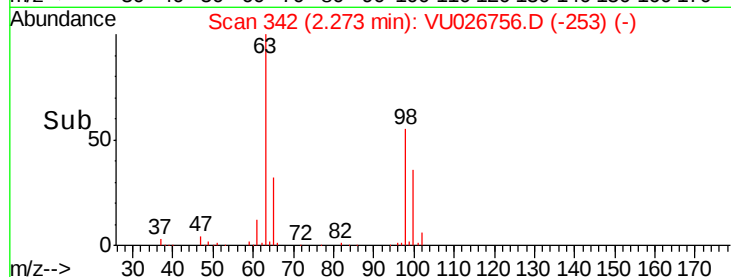
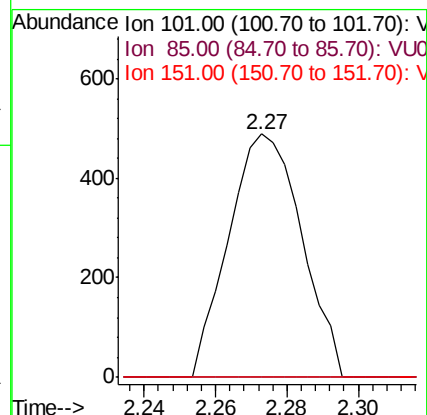
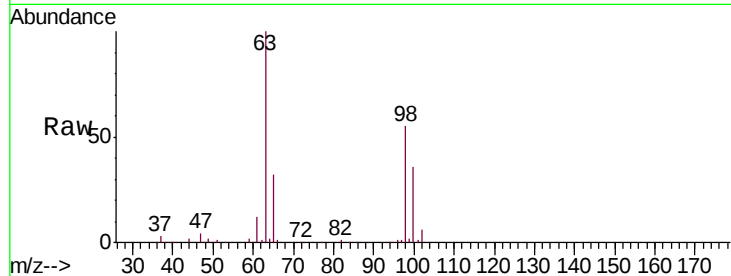
Tgt Ion:101 Resp: 691

Ion Ratio Lower Upper

101 100

85 0.0 34.1 51.1#

151 0.0 62.6 94.0#



#12

1,1-Dichloroethene

Concen: 0.596 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026756.D

Acq: 14 Sep 2018 11:21

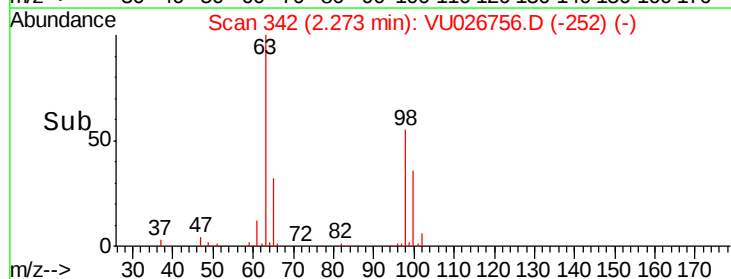
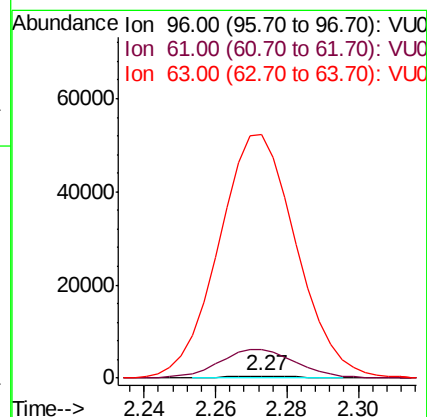
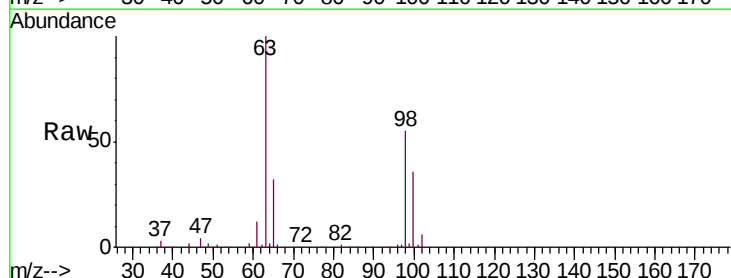
Tgt Ion: 96 Resp: 606

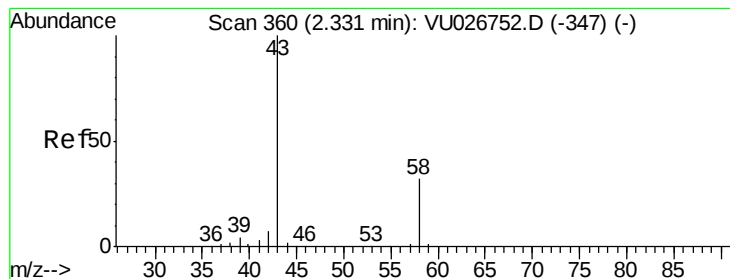
Ion Ratio Lower Upper

96 100

61 1580.4 121.0 224.8#

63 13507.0 89.9 166.9#





#13

Acetone

Concen: 1.338 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026756.D

Acq: 14 Sep 2018 11:21

Instrument :

MSVOA_U

ClientSampleId :

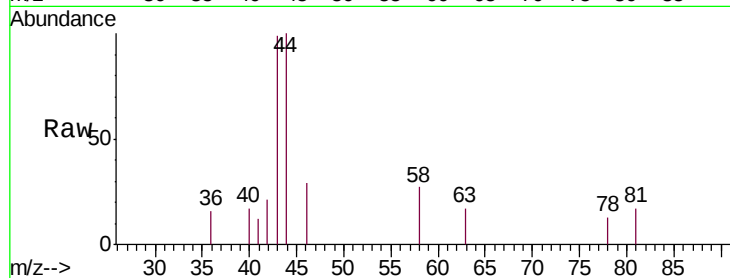
C08N0DL

Tgt Ion: 43 Resp: 1218

Ion Ratio Lower Upper

43 100

58 19.0 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

800

600

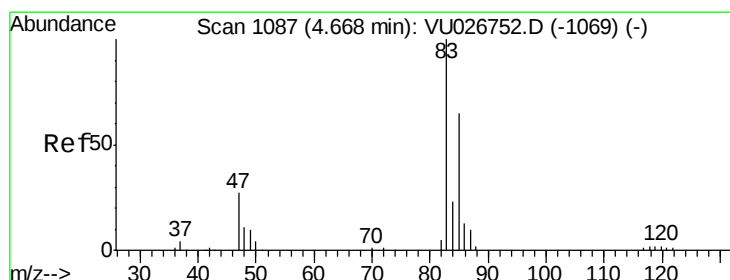
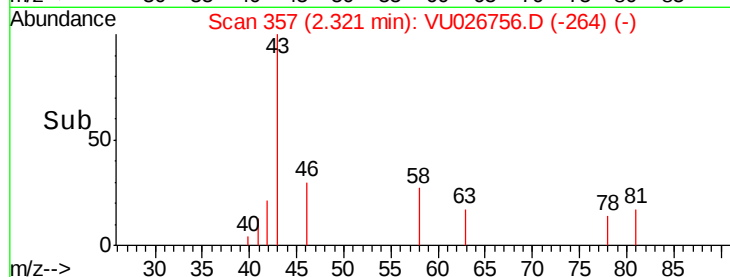
400

200

0

2.28 2.30 2.32 2.34 2.36

Time-->



#25

Chloroform

Concen: 1.622 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU026756.D

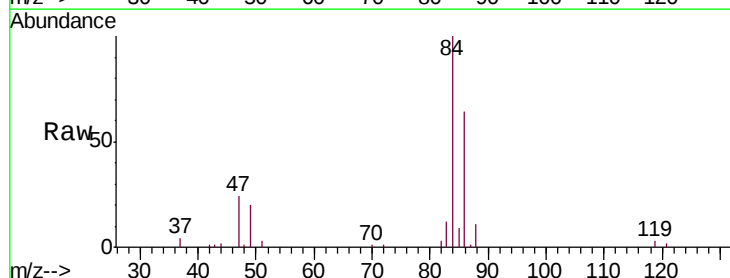
Acq: 14 Sep 2018 11:21

Tgt Ion: 83 Resp: 3403

Ion Ratio Lower Upper

83 100

85 73.2 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.67

1500

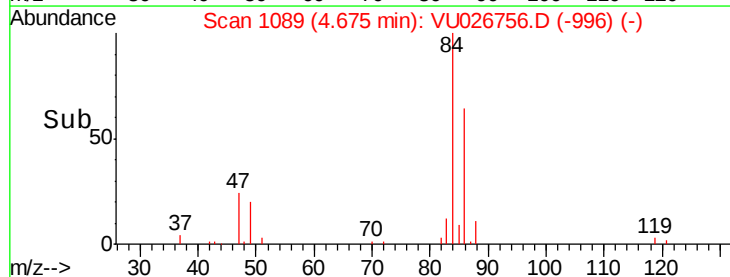
1000

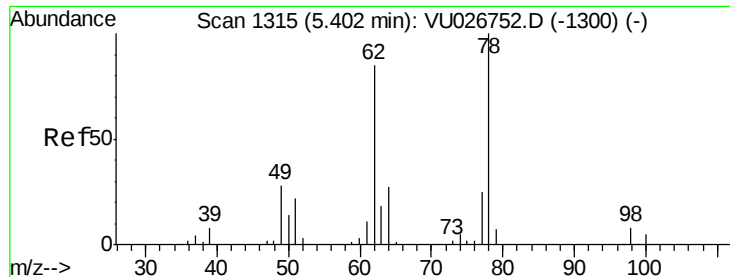
500

0

4.60 4.65 4.70 4.75

Time-->





#27

1,2-Dichloroethane

Concen: 0.871 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VU026756.D

Acq: 14 Sep 2018 11:21

Instrument :

MSVOA_U

ClientSampleId :

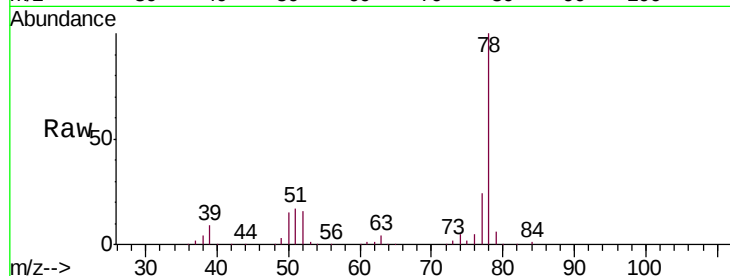
C08N0DL

Tgt Ion: 62 Resp: 1451

Ion Ratio Lower Upper

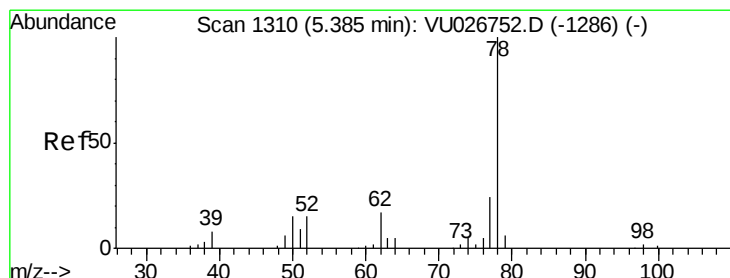
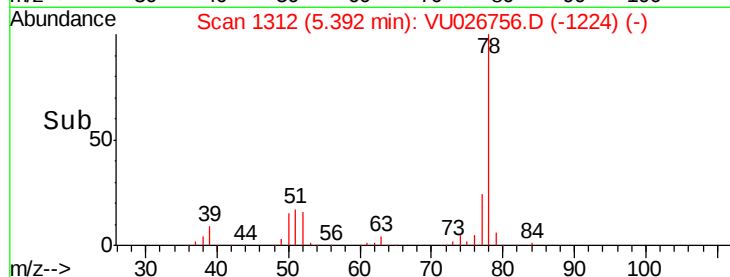
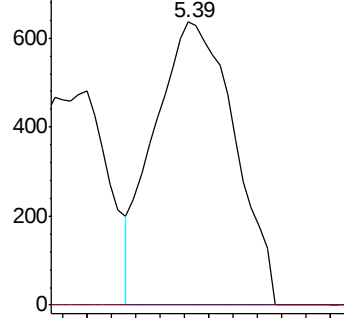
62 100

98 0.0 7.4 11.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#33

Benzene

Concen: 31.107 ug/L

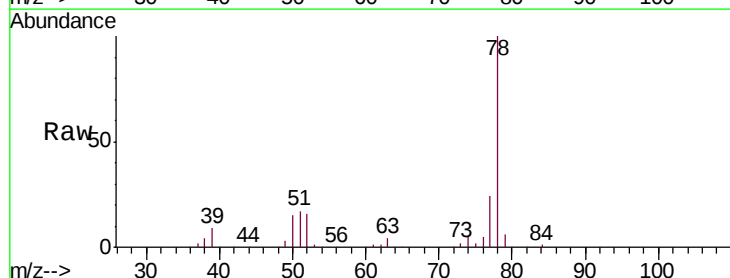
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

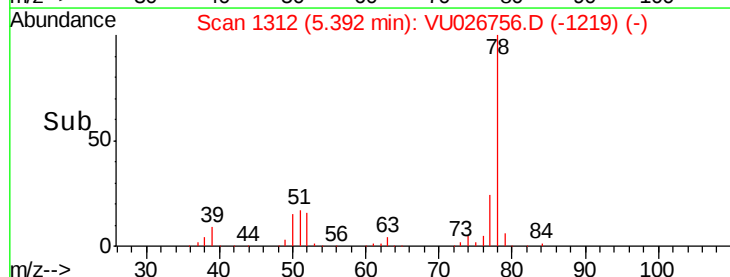
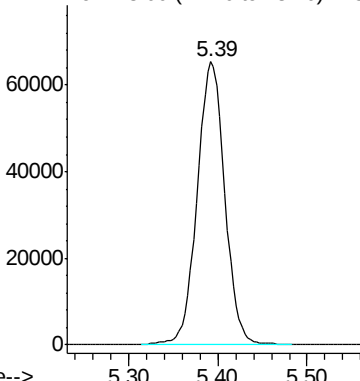
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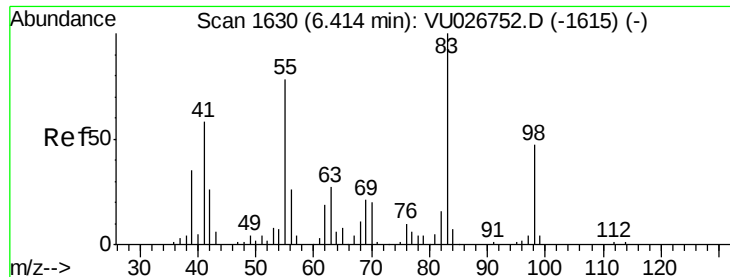
Acq: 14 Sep 2018 11:21

Tgt Ion: 78 Resp: 141087



Abundance Ion 78.00 (77.70 to 78.70): VU0

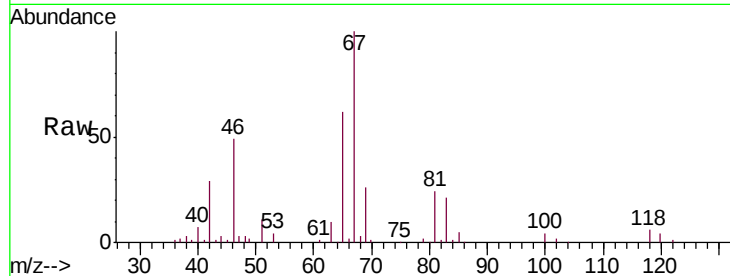




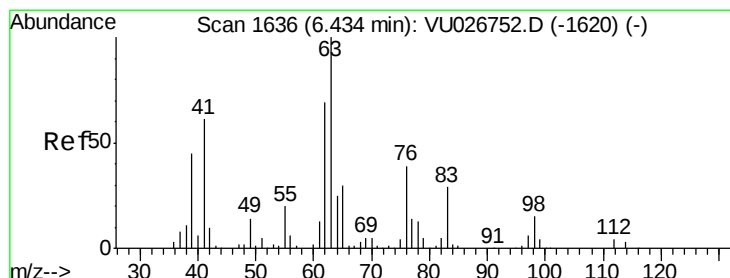
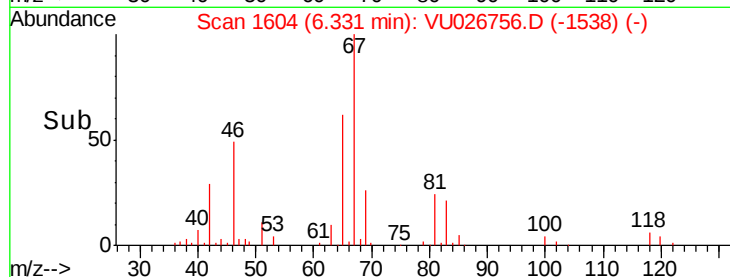
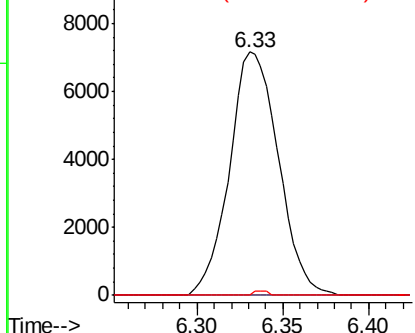
#35
Methylcyclohexane
Concen: 7.863 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU026756.D
Acq: 14 Sep 2018 11:21

Instrument :
MSVOA_U
ClientSampleId :
C08N0DL

Tgt Ion: 83 Resp: 14189
Ion Ratio Lower Upper
83 100
55 0.0 62.9 94.3#
98 0.5 37.0 55.4#

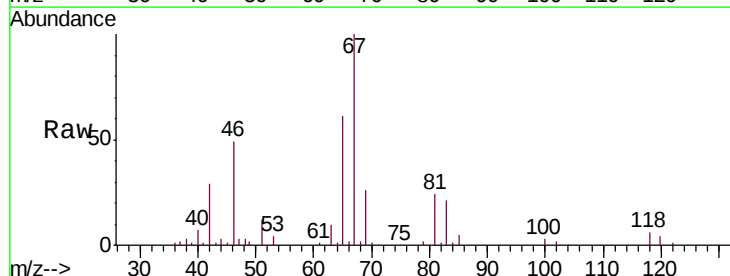


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

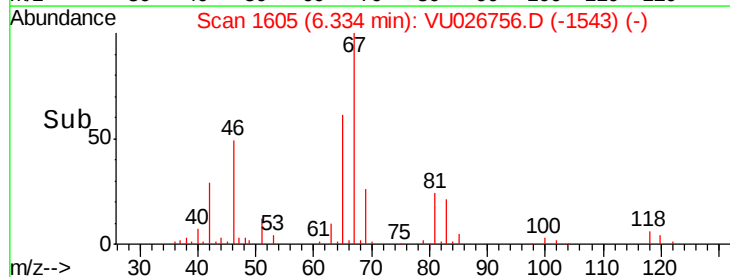
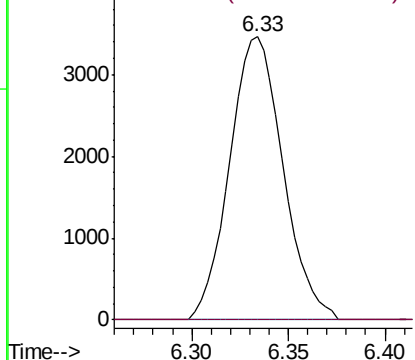


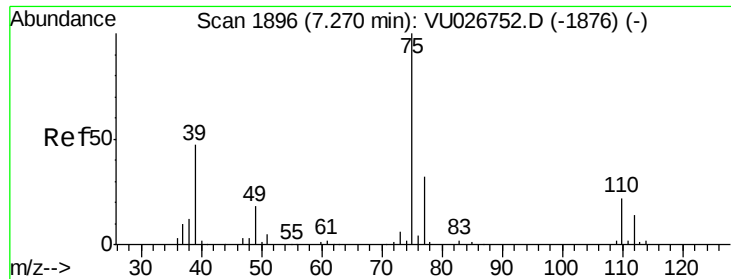
#37
1,2-Dichloropropane
Concen: 5.251 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU026756.D
Acq: 14 Sep 2018 11:21

Tgt Ion: 63 Resp: 6653
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

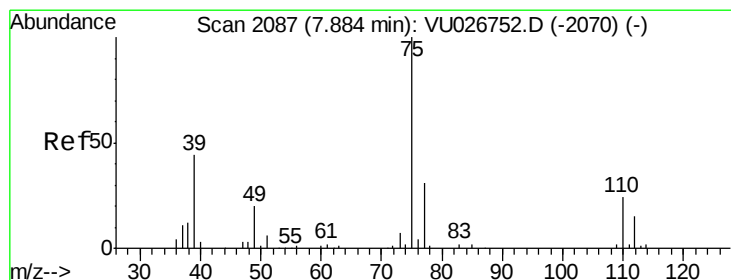
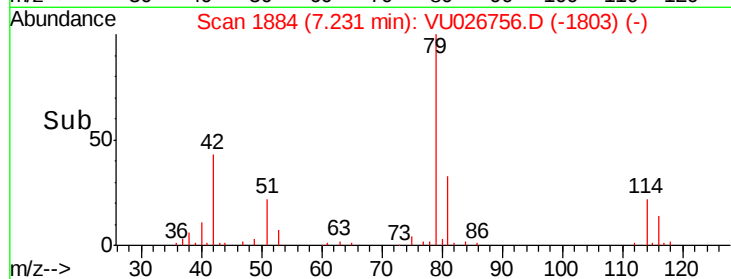
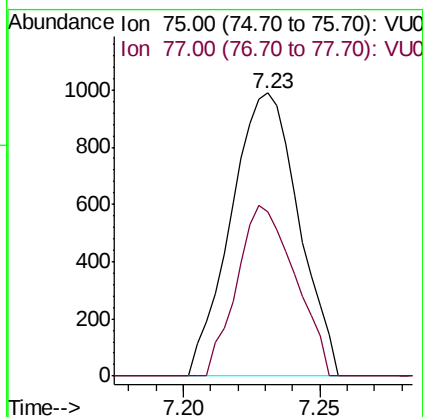
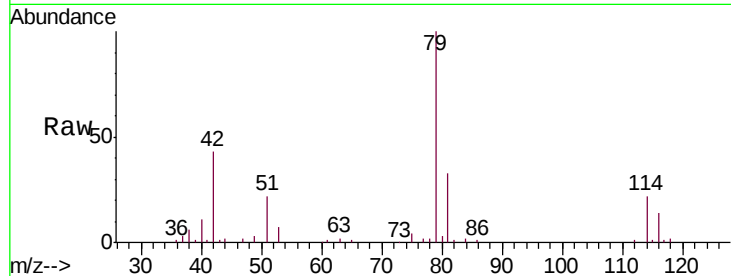




#39
 cis-1,3-Dichloropropene
 Concen: 0.907 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026756.D
 Acq: 14 Sep 2018 11:21

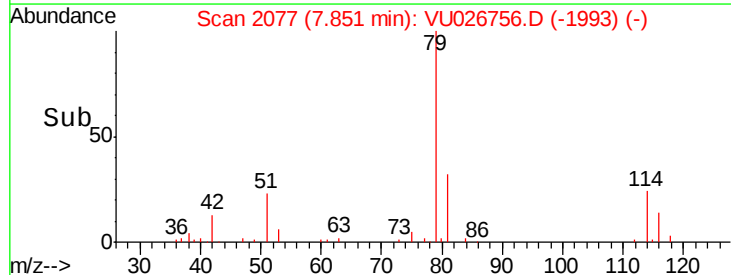
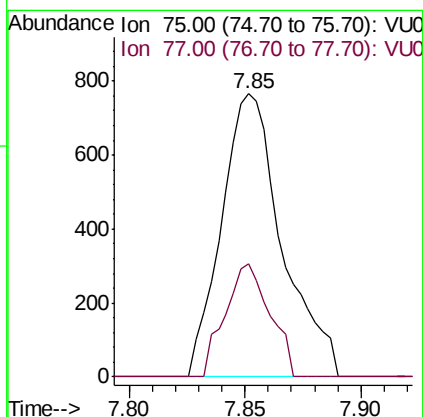
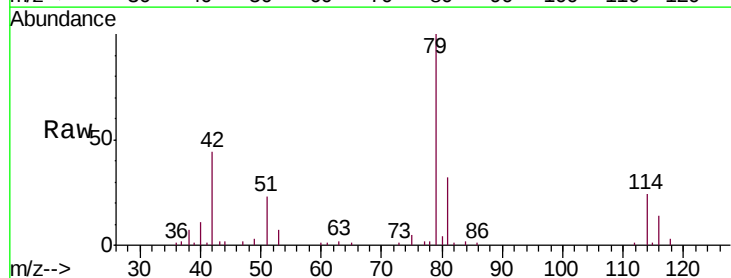
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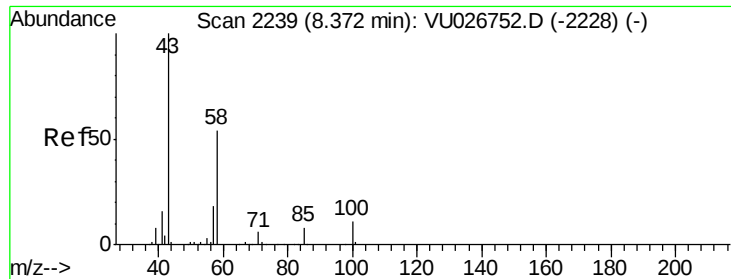
Tgt Ion: 75 Resp: 1701
 Ion Ratio Lower Upper
 75 100
 77 58.2 22.3 41.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.796 ug/L
 RT: 7.85 min Scan# 2077
 Delta R.T. -0.03 min
 Lab File: VU026756.D
 Acq: 14 Sep 2018 11:21

Tgt Ion: 75 Resp: 1389
 Ion Ratio Lower Upper
 75 100
 77 40.1 22.4 41.6

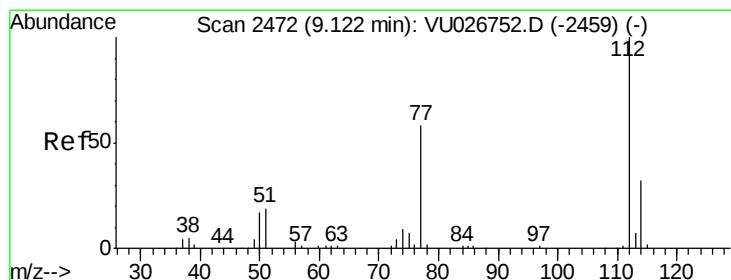
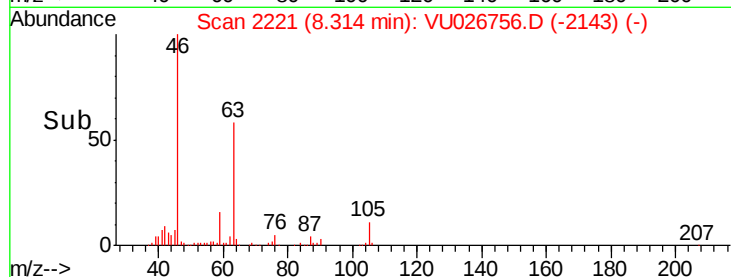
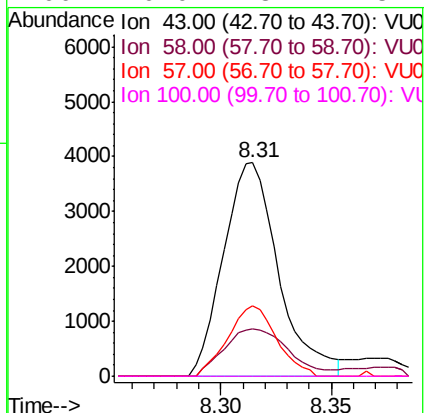
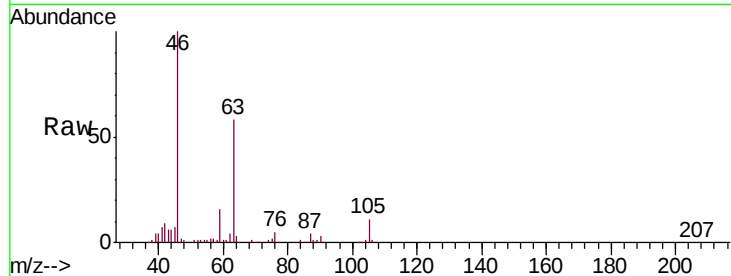




#48
2-Hexanone
Concen: 4.959 ug/L
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU026756.D
Acq: 14 Sep 2018 11:21

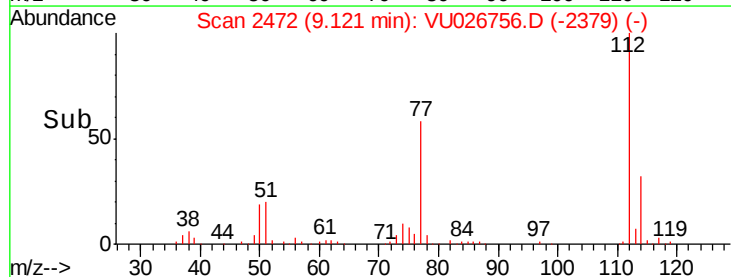
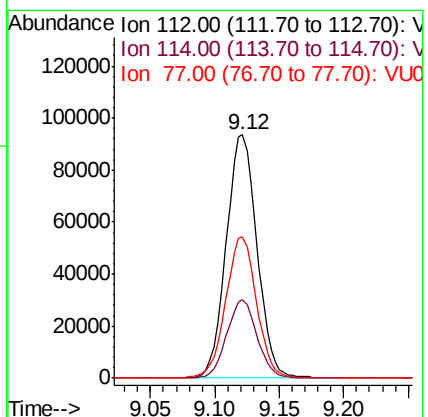
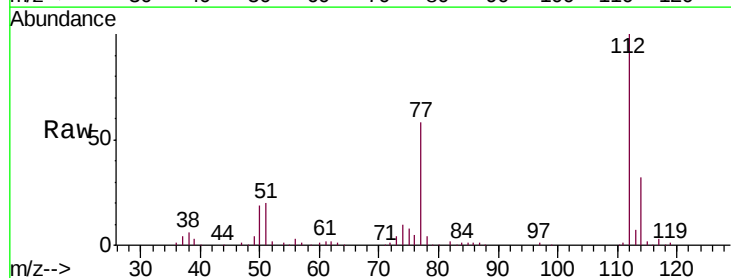
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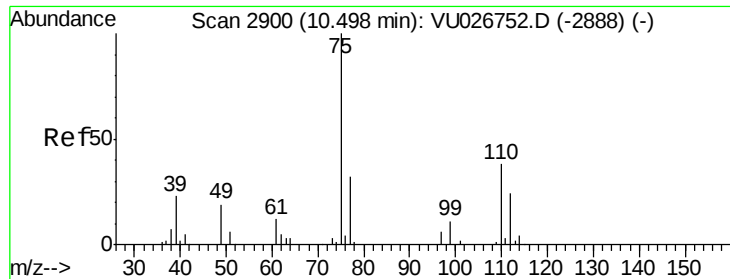
Tgt Ion:	43	Resp:	6767
Ion	Ratio	Lower	Upper
43	100		
58	25.6	42.2	63.4#
57	29.2	14.4	21.6#
100	0.0	8.7	13.1#



#51
Chlorobenzene
Concen: 50.135 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026756.D
Acq: 14 Sep 2018 11:21

Tgt Ion:	112	Resp:	154751
Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.9	42.5
77	58.2	47.2	70.8





#59

1,2,3-Trichloropropane

Concen: 0.463 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.93 min

Lab File: VU026756.D

Acq: 14 Sep 2018 11:21

Instrument :

MSVOA_U

ClientSampleId :

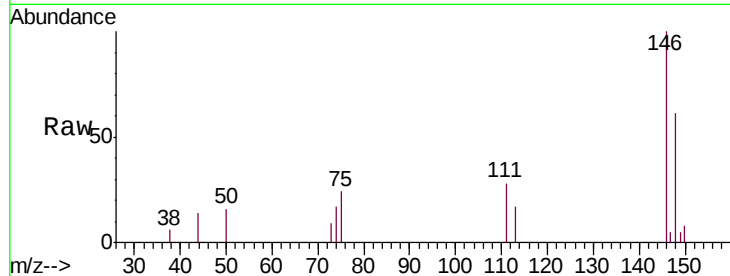
C08N0DL

Tgt Ion: 75 Resp: 694

Ion Ratio Lower Upper

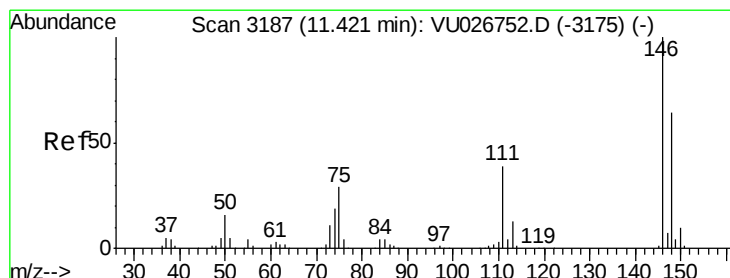
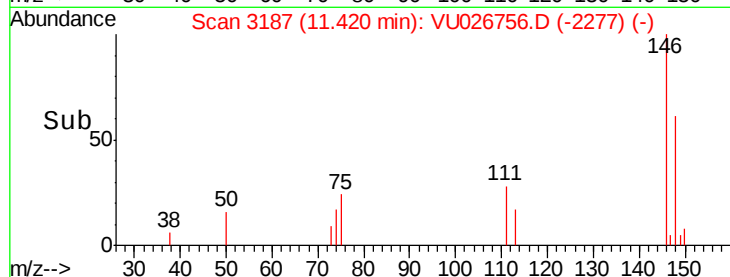
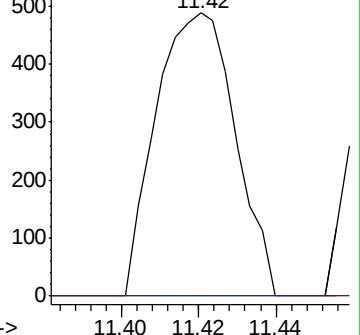
75 100

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: 1.475 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026756.D

Acq: 14 Sep 2018 11:21

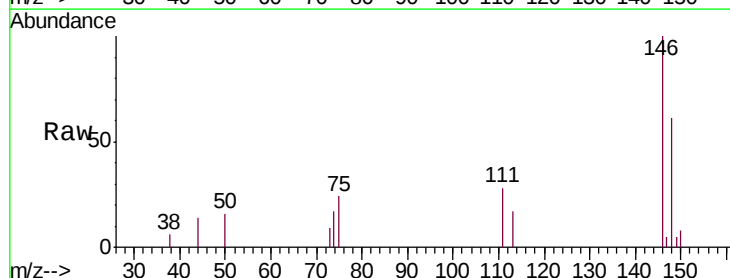
Tgt Ion: 146 Resp: 2961

Ion Ratio Lower Upper

146 100

111 28.4 26.7 49.5

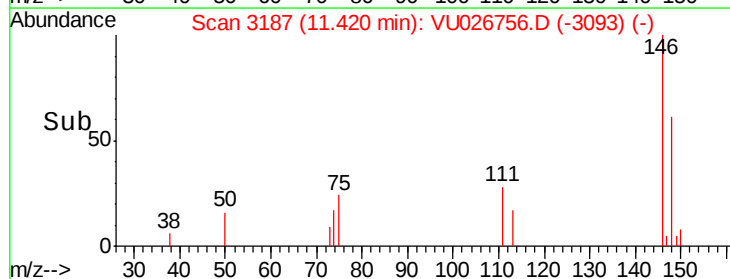
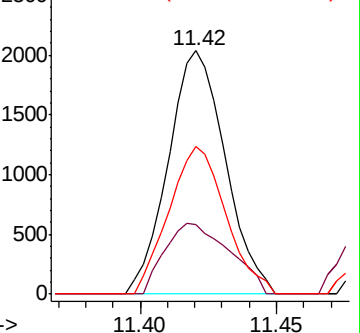
148 60.6 44.2 82.2

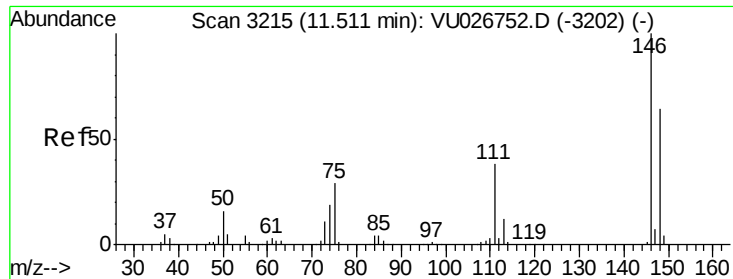


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 23.686 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU026756.D

Acq: 14 Sep 2018 11:21

Instrument :

MSVOA_U

ClientSampleId :

C08N0DL

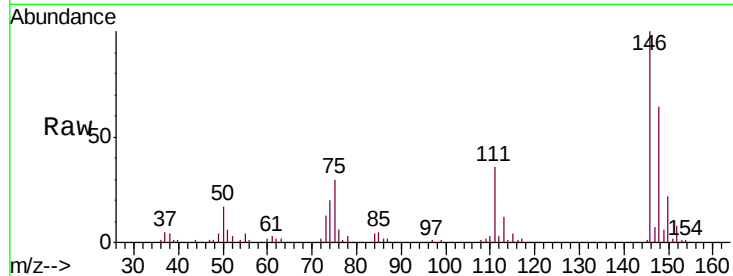
Tgt Ion:146 Resp: 50359

Ion Ratio Lower Upper

146 100

111 36.0 26.5 49.3

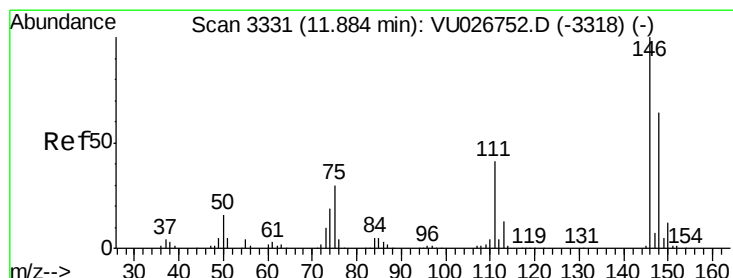
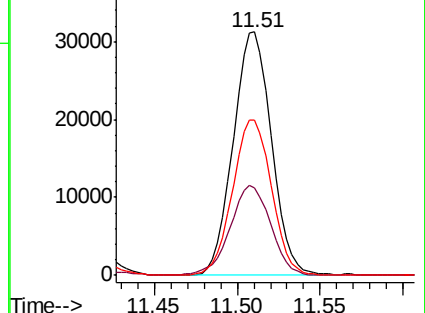
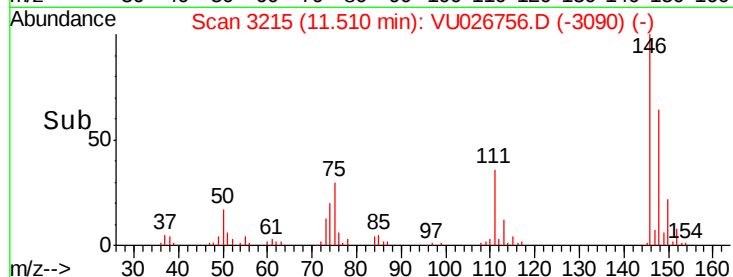
148 64.0 45.2 84.0



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: 21.090 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026756.D

Acq: 14 Sep 2018 11:21

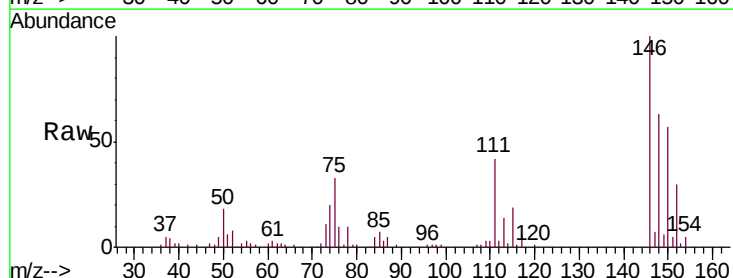
Tgt Ion:146 Resp: 44734

Ion Ratio Lower Upper

146 100

111 41.6 32.8 49.2

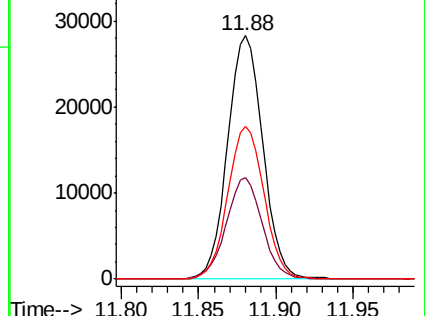
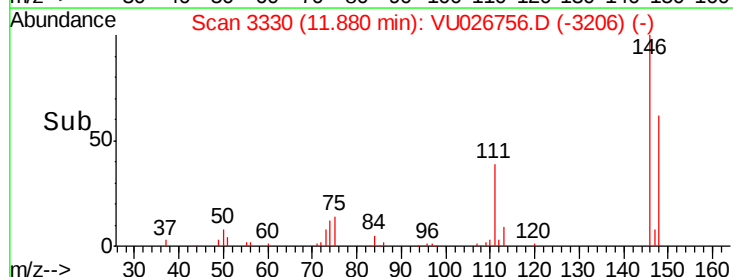
148 62.8 52.2 78.4

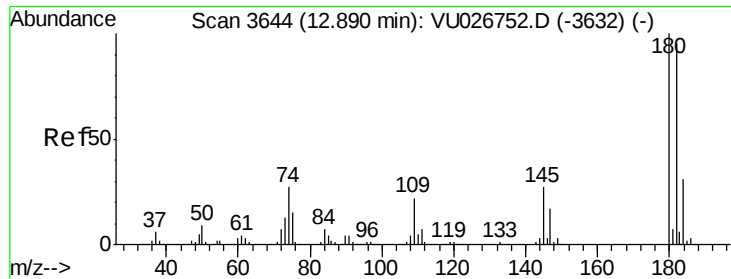


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

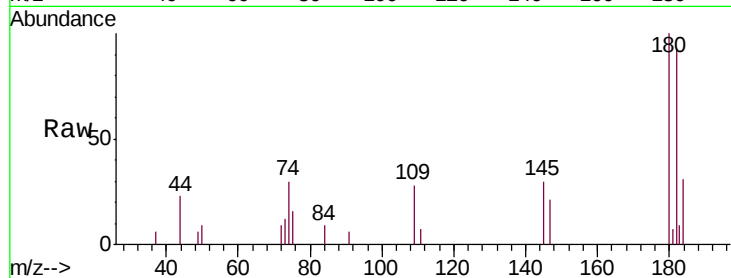




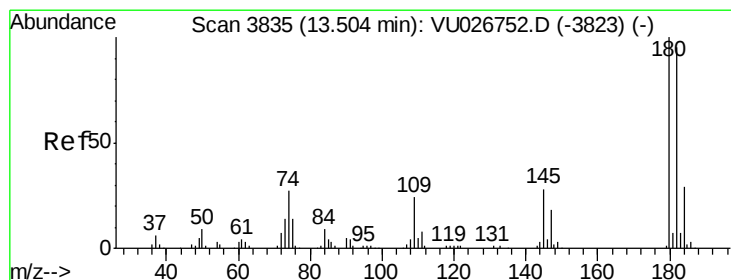
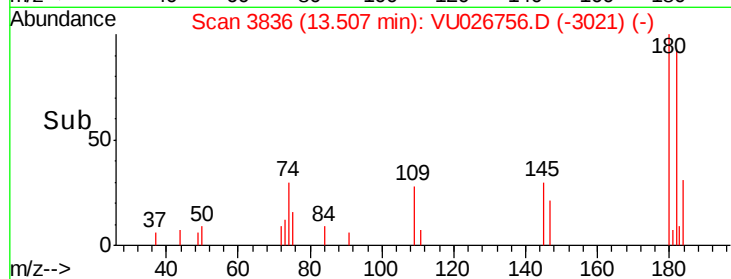
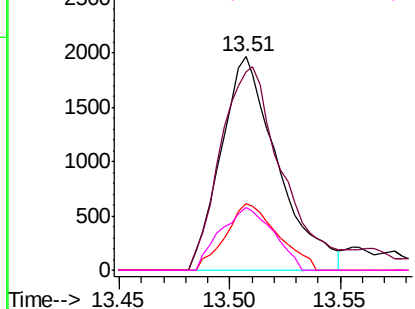
#67
 1,3,5-Trichlorobenzene
 Concen: 2.204 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.62 min
 Lab File: VU026756.D
 Acq: 14 Sep 2018 11:21

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N0DL

Tgt Ion:180 Resp: 3509
 Ion Ratio Lower Upper
 180 100
 182 102.2 76.8 115.2
 184 28.6 24.2 36.2
 145 27.4 21.4 32.2

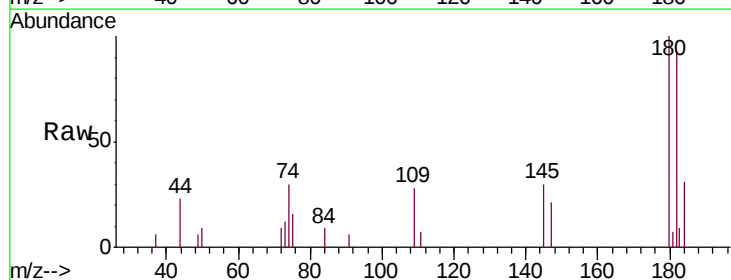


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.536 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026756.D
 Acq: 14 Sep 2018 11:21

Tgt Ion:180 Resp: 3509
 Ion Ratio Lower Upper
 180 100
 182 102.2 76.0 114.0
 145 27.4 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

