

Data File : VU026951.D
Acq On : 20 Sep 2018 22:22
Operator : MD/SY
Sample : J5012-08 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08M1

Quant Time: Sep 21 06:04:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	187460	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	167458	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	60574	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82412	59.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	118.86%
7) Chloroethane-d5	1.67	69	71736	60.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.88%
11) 1,1-Dichloroethene-d2	2.27	63	111094	42.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.68%
21) 2-Butanone-d5	4.18	46	137327	149.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	149.23%#
24) Chloroform-d	4.65	84	149977	58.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.60%
26) 1,2-Dichloroethane-d4	5.31	65	98666	60.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.84%
32) Benzene-d6	5.34	84	299732	63.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	127.74%#
36) 1,2-Dichloropropane-d6	6.33	67	99488	65.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	131.58%#
41) Toluene-d8	7.57	98	241812	57.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.06%
43) trans-1,3-Dichloropropene-	7.85	79	40922	60.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	121.22%
47) 2-Hexanone-d5	8.31	63	98511	165.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	165.76%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	142762	67.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	135.42%#
64) 1,2-Dichlorobenzene-d4	11.86	152	93576	74.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	148.52%#

Target Compounds

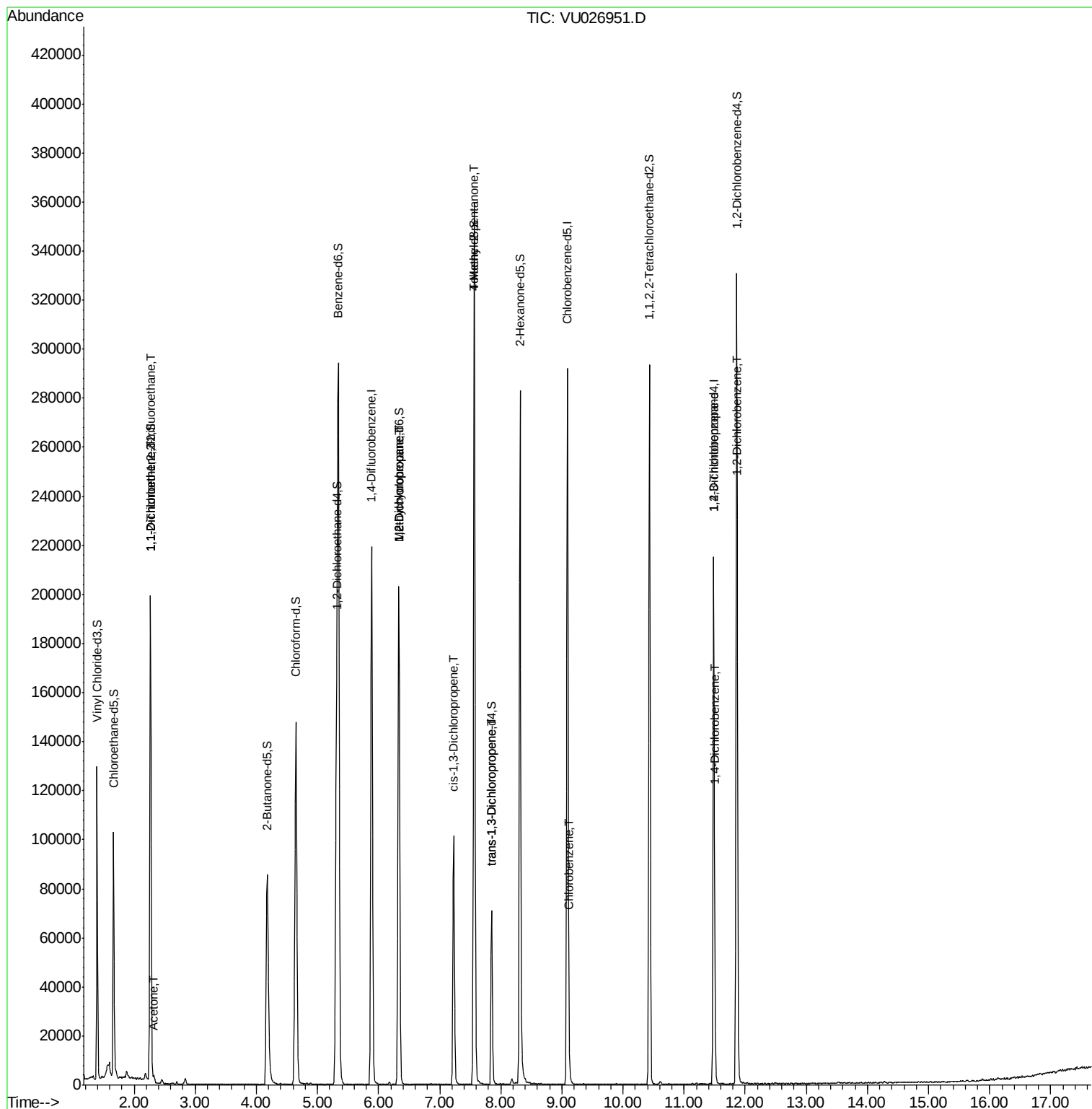
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1078	0.833	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	879	0.723	ug/L #	1
13) Acetone	2.32	43	678	0.750	ug/L	86
35) Methylcyclohexane	6.33	83	23645	11.643	ug/L #	19
37) 1,2-Dichloropropane	6.33	63	10339	7.249	ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2378	1.180	ug/L #	75
40) 4-Methyl-2-pentanone	7.57	43	864	0.510	ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	1577	0.836	ug/L #	79
51) Chlorobenzene	9.12	112	3895	1.093	ug/L #	87
59) 1,2,3-Trichloropropane	11.48	75	6944	4.065	ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	3279	1.613	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	3274	1.601	ug/L	95

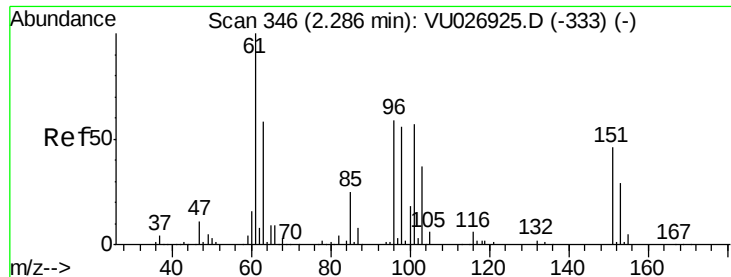
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.833 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU026951.D

Acq: 20 Sep 2018 22:22

Instrument :

MSVOA_U

ClientSampleId :

C08M1

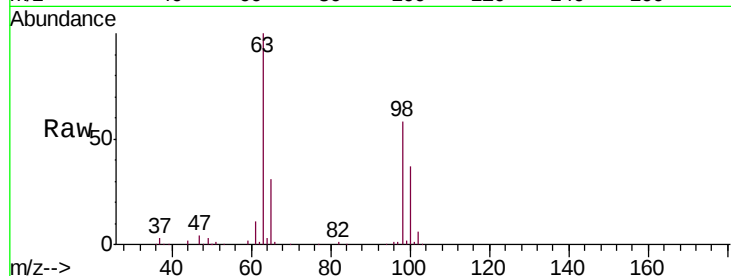
Tgt Ion: 101 Resp: 1078

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

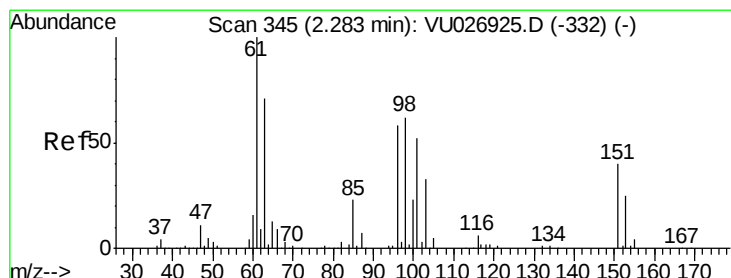
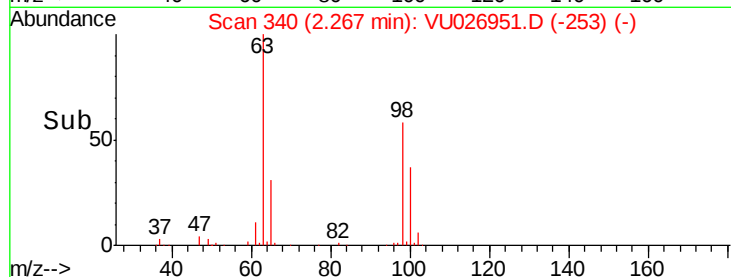
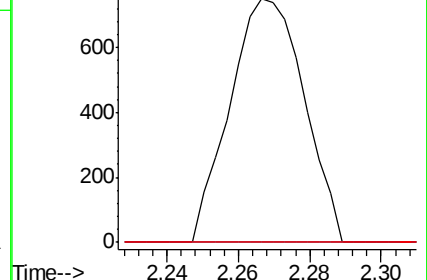
151 0.0 63.0 94.4#



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: 0.723 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026951.D

Acq: 20 Sep 2018 22:22

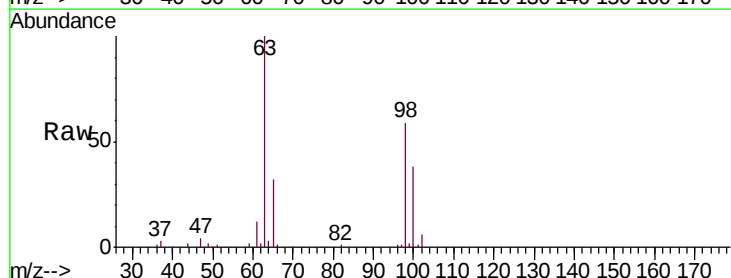
Tgt Ion: 96 Resp: 879

Ion Ratio Lower Upper

96 100

61 1194.5 124.0 230.4#

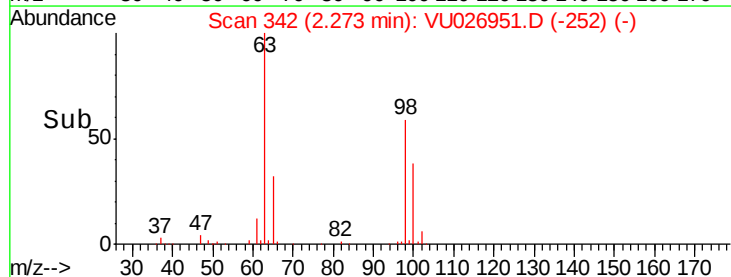
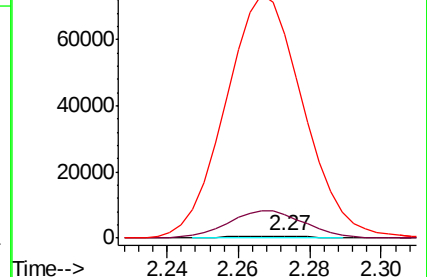
63 10268.2 97.7 181.5#

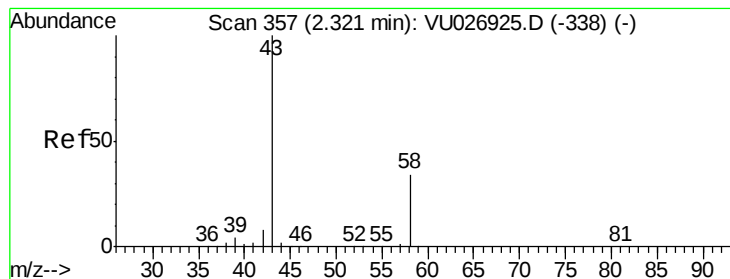


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.750 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026951.D

Acq: 20 Sep 2018 22:22

Instrument :

MSVOA_U

ClientSampleId :

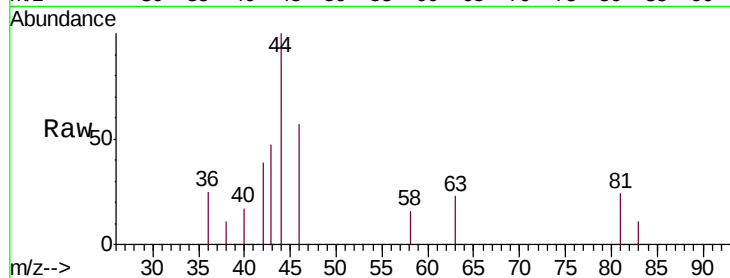
C08M1

Tgt Ion: 43 Resp: 678

Ion Ratio Lower Upper

43 100

58 24.2 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

400

300

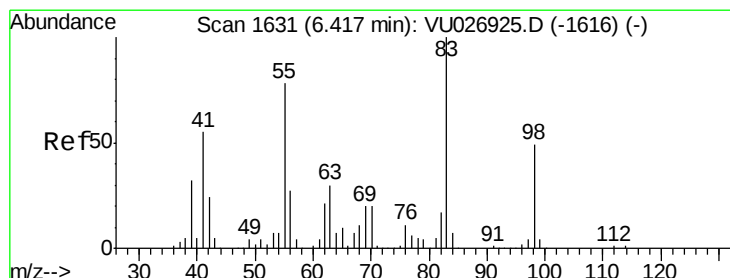
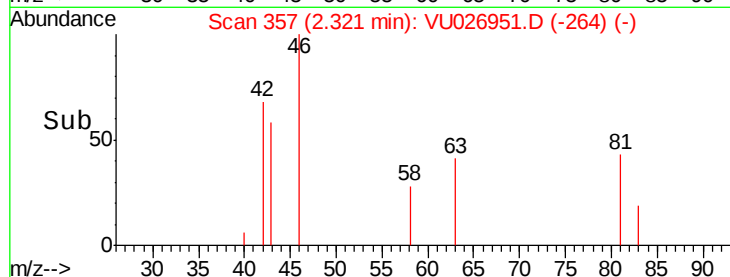
200

100

0

2.30 2.32 2.34

Time-->



#35

Methylcyclohexane

Concen: 11.643 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.09 min

Lab File: VU026951.D

Acq: 20 Sep 2018 22:22

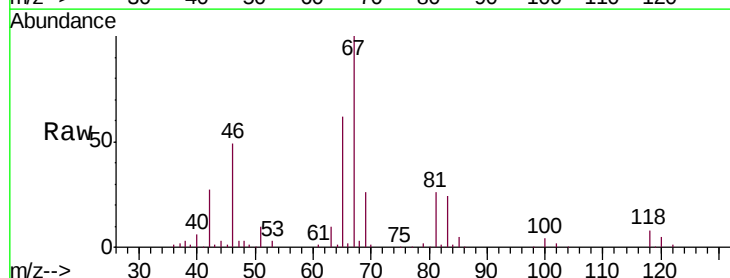
Tgt Ion: 83 Resp: 23645

Ion Ratio Lower Upper

83 100

55 0.0 61.7 92.5#

98 1.4 38.3 57.5#



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

15000

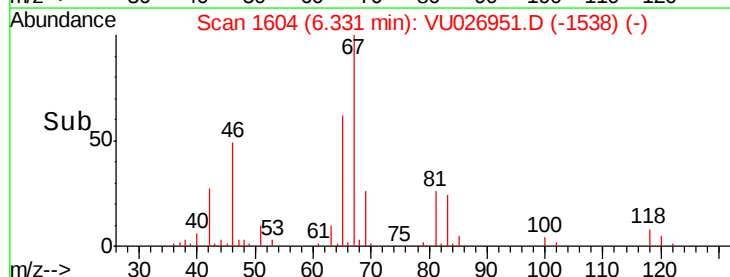
10000

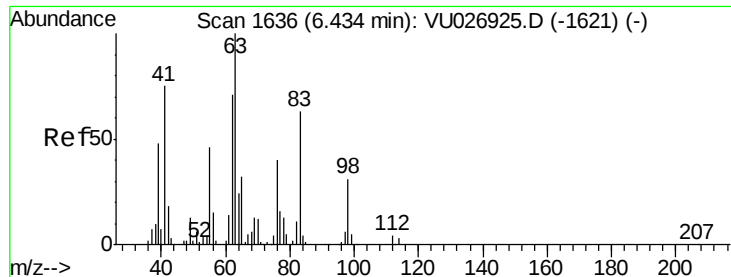
5000

0

6.25 6.30 6.35 6.40

Time-->





#37

1,2-Dichloropropane

Concen: 7.249 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU026951.D

Acq: 20 Sep 2018 22:22

Instrument :

MSVOA_U

ClientSampleId :

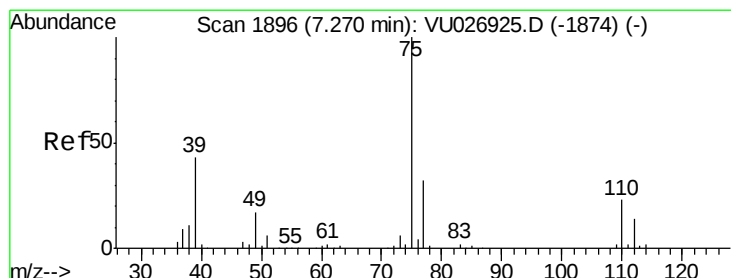
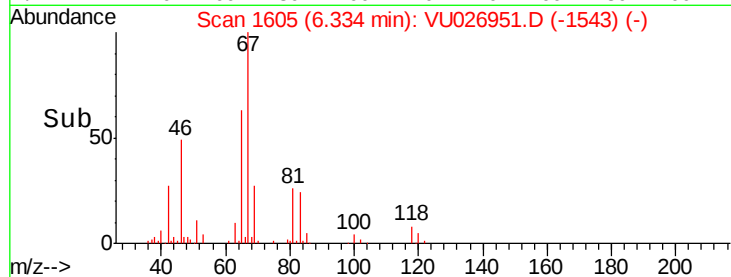
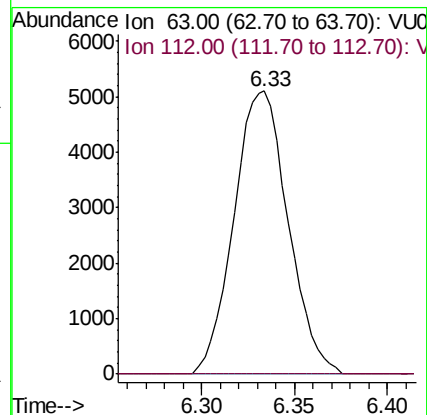
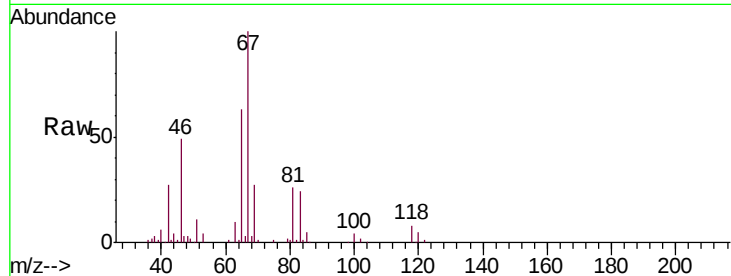
C08M1

Tgt Ion: 63 Resp: 10339

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



#39

cis-1,3-Dichloropropene

Concen: 1.180 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU026951.D

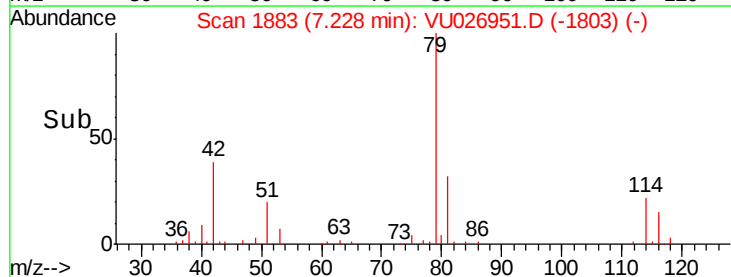
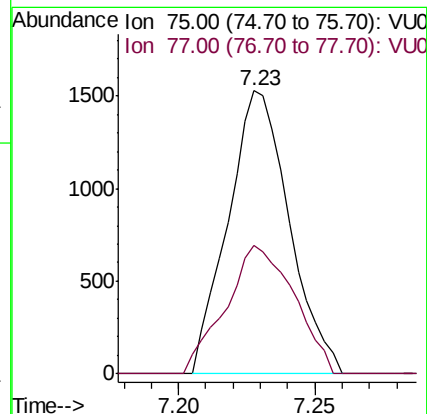
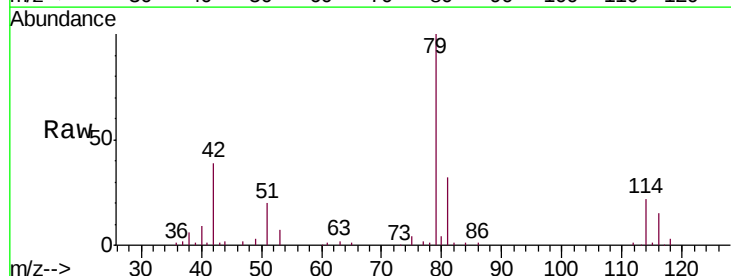
Acq: 20 Sep 2018 22:22

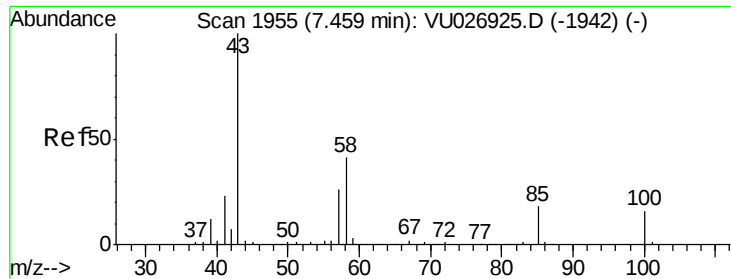
Tgt Ion: 75 Resp: 2378

Ion Ratio Lower Upper

75 100

77 45.3 22.1 41.1#

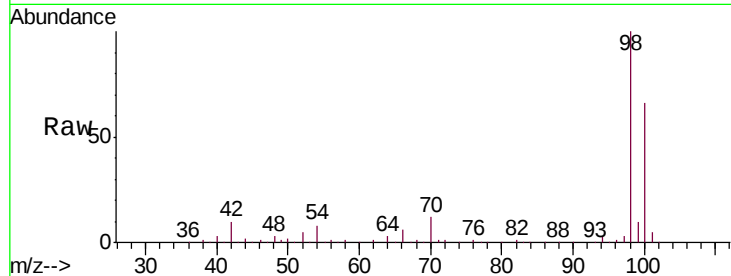




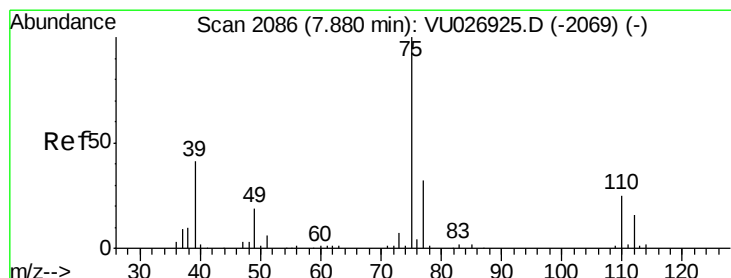
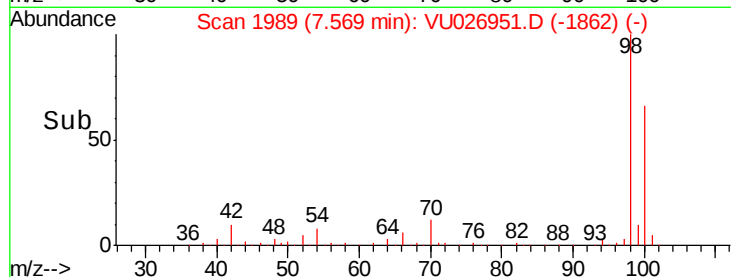
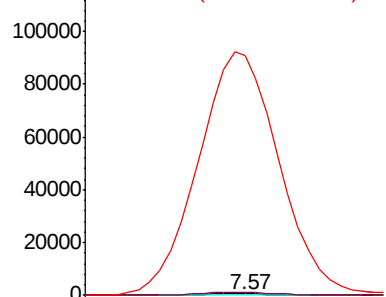
#40
4-Methyl-2-pentanone
Concen: 0.510 ug/L
RT: 7.57 min Scan# 1989
Delta R.T. 0.11 min
Lab File: VU026951.D
Acq: 20 Sep 2018 22:22

Instrument :
MSVOA_U
ClientSampled :
C08M1

Tgt Ion: 43 Resp: 864
Ion Ratio Lower Upper
43 100
58 214.4 32.0 48.0#
100 18268.8 12.6 19.0#

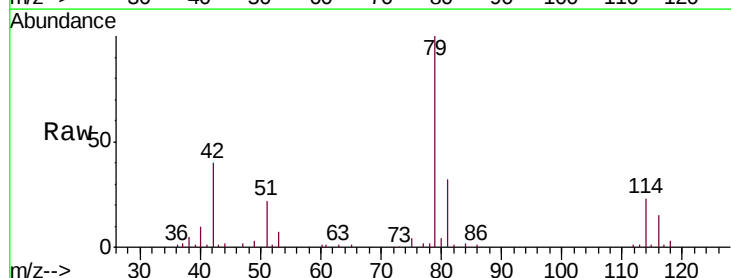


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

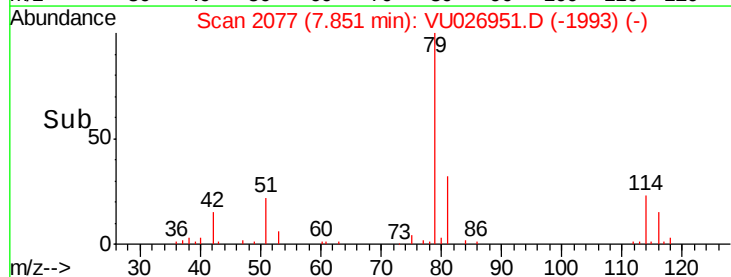
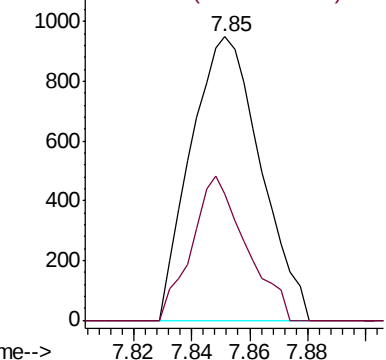


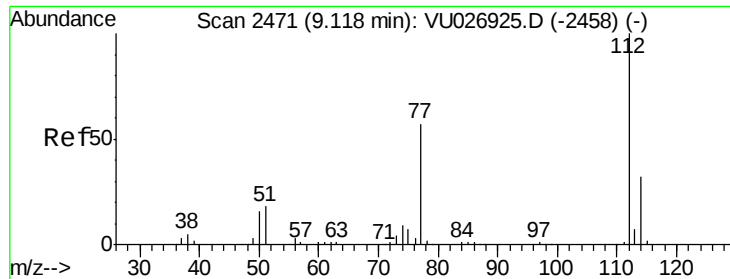
#44
trans-1,3-Dichloropropene
Concen: 0.836 ug/L
RT: 7.85 min Scan# 2077
Delta R.T. -0.03 min
Lab File: VU026951.D
Acq: 20 Sep 2018 22:22

Tgt Ion: 75 Resp: 1577
Ion Ratio Lower Upper
75 100
77 44.4 22.8 42.4#



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





#51

Chlorobenzene

Concen: 1.093 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026951.D

Acq: 20 Sep 2018 22:22

Instrument :

MSVOA_U

ClientSampleId :

C08M1

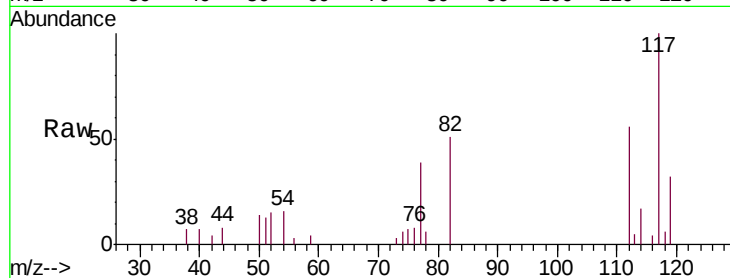
Tgt Ion: 112 Resp: 3895

Ion Ratio Lower Upper

112 100

114 30.6 22.3 41.5

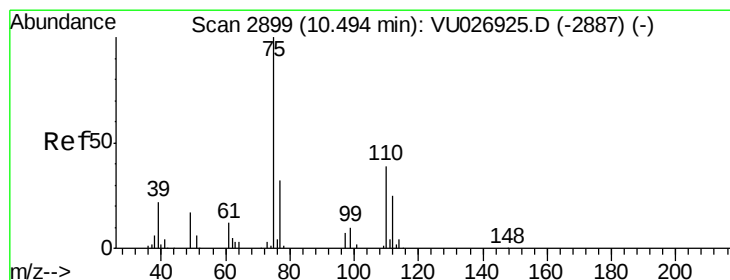
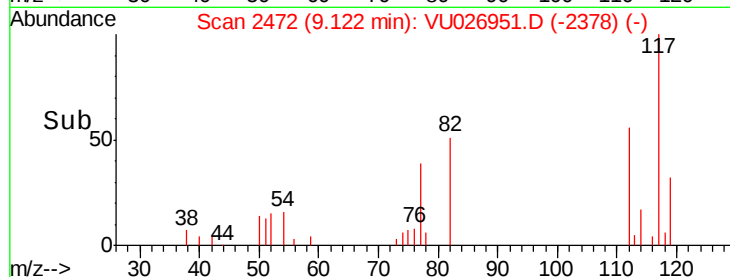
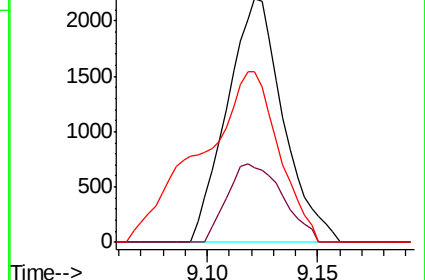
77 69.9 45.1 67.7#



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



#59

1,2,3-Trichloropropane

Concen: 4.065 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU026951.D

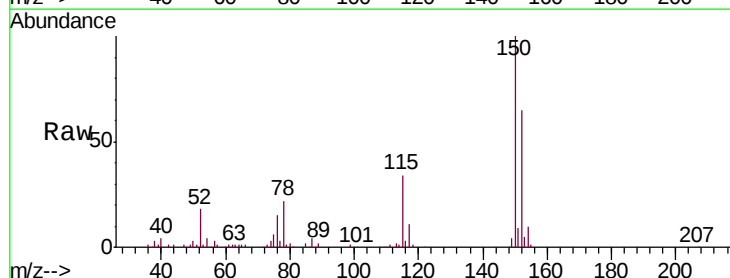
Acq: 20 Sep 2018 22:22

Tgt Ion: 75 Resp: 6944

Ion Ratio Lower Upper

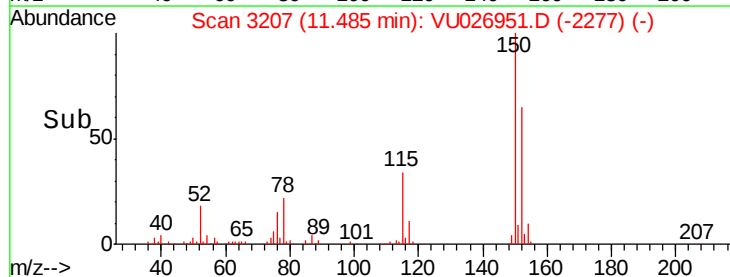
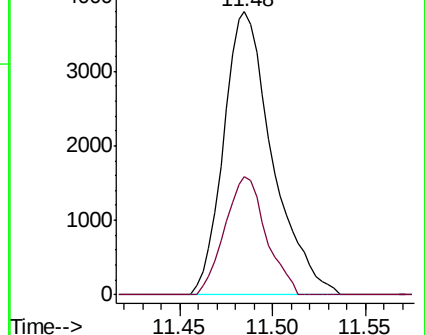
75 100

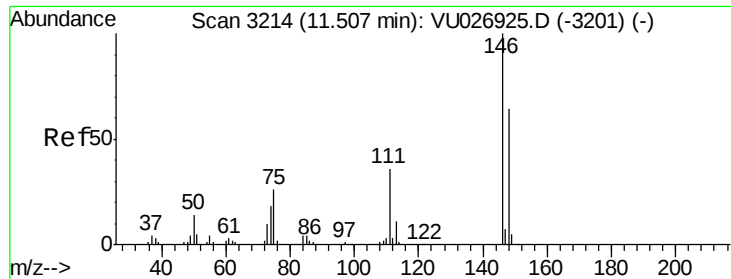
77 35.2 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

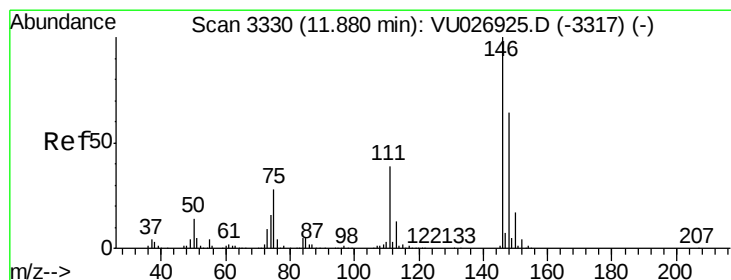
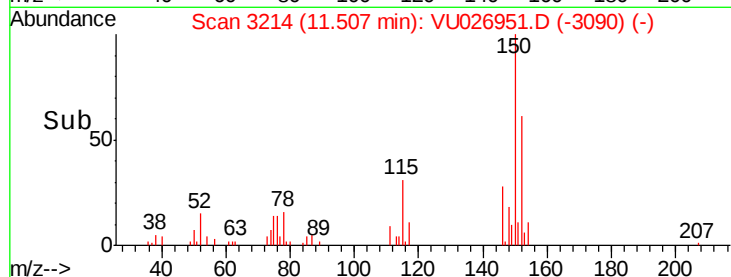
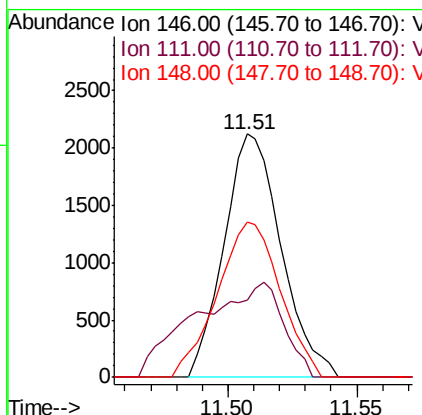
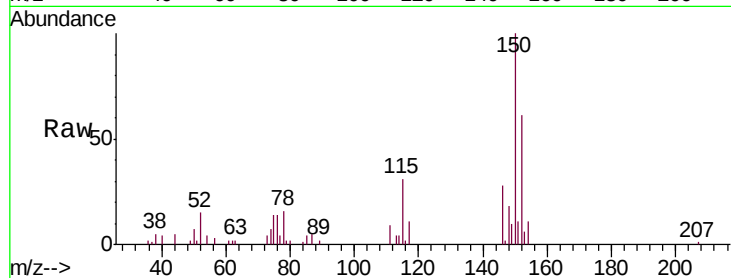




#63
 1,4-Dichlorobenzene
 Concen: 1.613 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026951.D
 Acq: 20 Sep 2018 22:22

Instrument :
 MSVOA_U
 ClientSampled :
 C08M1

Tgt Ion:146 Resp: 3279
 Ion Ratio Lower Upper
 146 100
 111 32.0 26.0 48.2
 148 63.9 45.8 85.2



#65
 1,2-Dichlorobenzene
 Concen: 1.601 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026951.D
 Acq: 20 Sep 2018 22:22

Tgt Ion:146 Resp: 3274
 Ion Ratio Lower Upper
 146 100
 111 46.4 31.4 47.0
 148 64.4 51.4 77.2

