

Data File : VU026757.D
Acq On : 14 Sep 2018 11:44
Operator : MD/SY
Sample : J4860-01 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A41S8

Quant Time: Sep 15 07:01:23 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	171737	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	166199	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	77388	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	53347	41.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.36%
7) Chloroethane-d5	1.68	69	44632	43.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.56%
11) 1,1-Dichloroethene-d2	2.27	63	78363	34.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.42%
21) 2-Butanone-d5	4.19	46	87330	109.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.65%
24) Chloroform-d	4.66	84	87935	41.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.64%
26) 1,2-Dichloroethane-d4	5.31	65	62975	45.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.44%
32) Benzene-d6	5.34	84	193559	45.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.33	67	65342	45.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.54%
41) Toluene-d8	7.57	98	172528	42.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.50%
43) trans-1,3-Dichloropropene-	7.85	79	28590	42.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.20%
47) 2-Hexanone-d5	8.31	63	65029	110.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	94121	47.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	71790	46.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.06%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	605	0.574 ug/L #	18
13) Acetone	2.32	43	945644	1042.515 ug/L	99
15) Methyl Acetate	2.60	43	41189538	31830.018 ug/L #	52
29) Cyclohexane	5.00	56	1393	0.765 ug/L	98
35) Methylcyclohexane	6.33	83	14475	7.817 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6796	5.227 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1695	0.881 ug/L #	62
40) 4-Methyl-2-pentanone	7.47	43	1561	0.941 ug/L #	96
44) trans-1,3-Dichloropropene	7.85	75	1272	0.711 ug/L #	82
48) 2-Hexanone	8.37	43	2991	2.136 ug/L #	90
51) Chlorobenzene	9.12	112	2285	0.721 ug/L	95
59) 1,2,3-Trichloropropane	11.48	75	9753	6.340 ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	3179	1.350 ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	3080	1.312 ug/L	91
68) 1,2,4-trichlorobenzene	13.51	180	884	0.577 ug/L #	89

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

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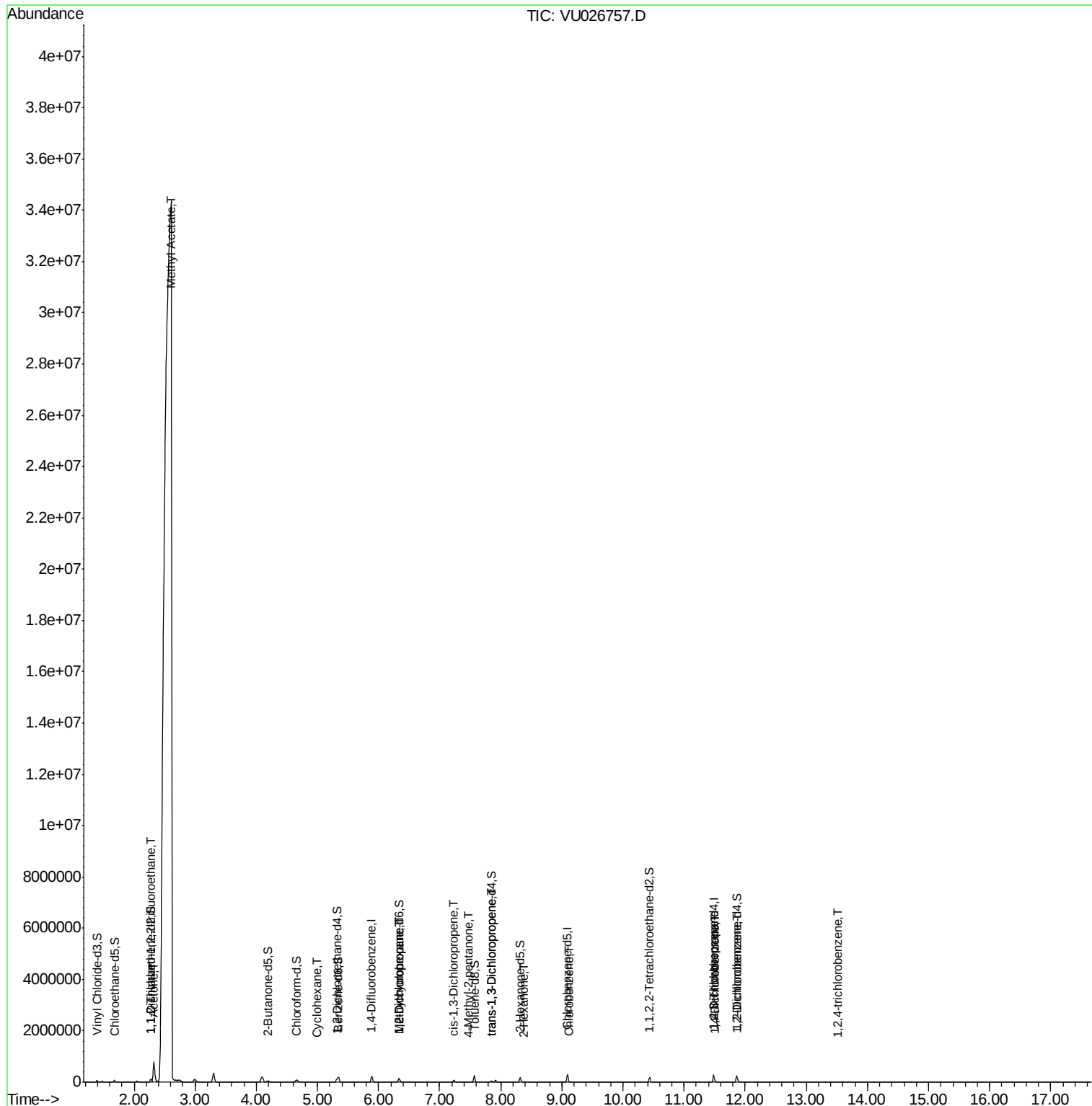
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

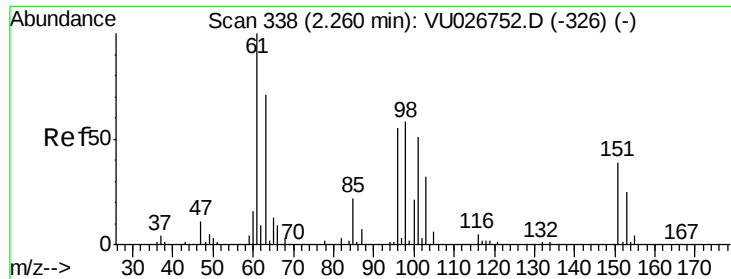
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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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: 0.574 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026757.D

Acq: 14 Sep 2018 11:44

Instrument :

MSVOA_U

ClientSampled :

A41S8

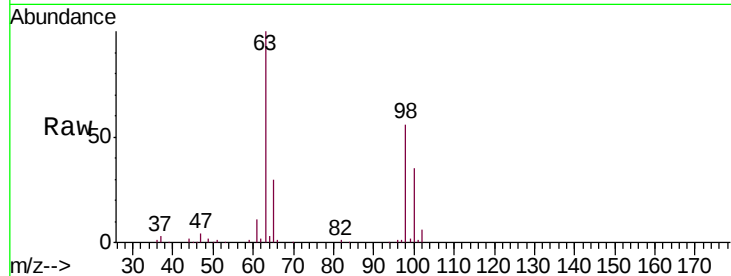
Tgt Ion:101 Resp: 605

Ion Ratio Lower Upper

101 100

85 0.0 34.1 51.1#

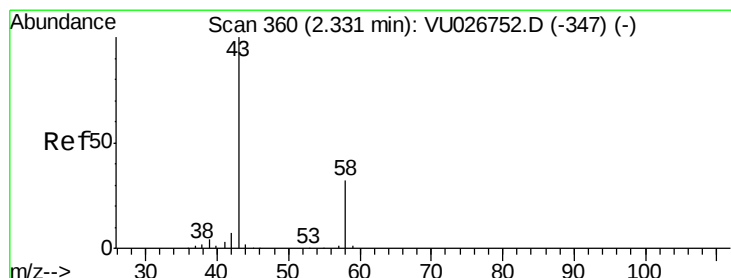
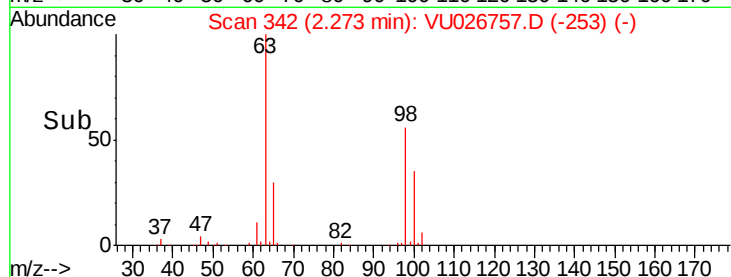
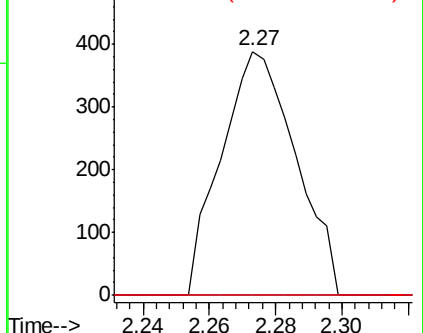
151 0.0 62.6 94.0#



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



#13

Acetone

Concen: 1042.515 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU026757.D

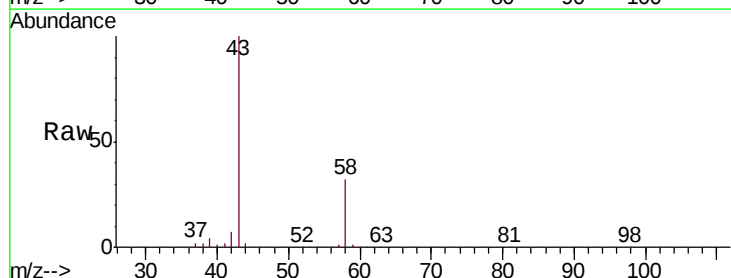
Acq: 14 Sep 2018 11:44

Tgt Ion: 43 Resp: 945644

Ion Ratio Lower Upper

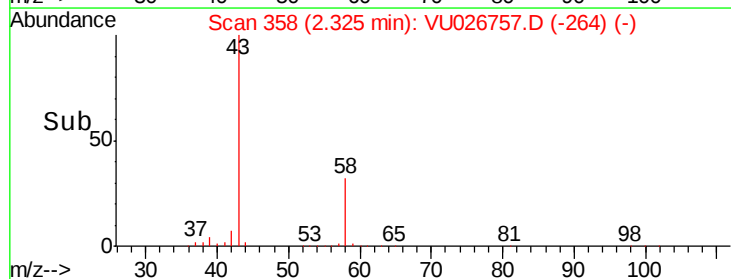
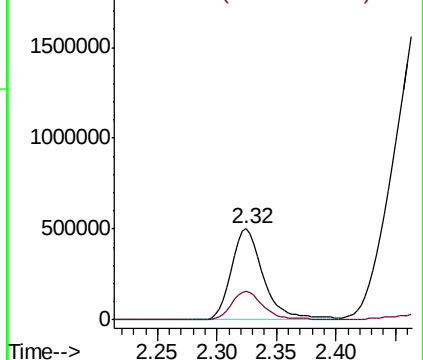
43 100

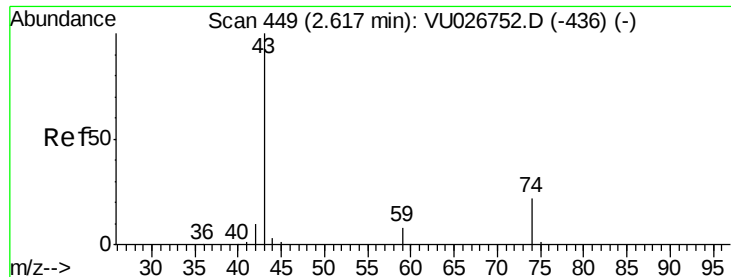
58 32.0 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#15

Methyl Acetate

Concen: 31830.018 ug/L

RT: 2.60 min Scan# 445

Delta R.T. -0.01 min

Lab File: VU026757.D

Acq: 14 Sep 2018 11:44

Instrument :

MSVOA_U

ClientSampleId :

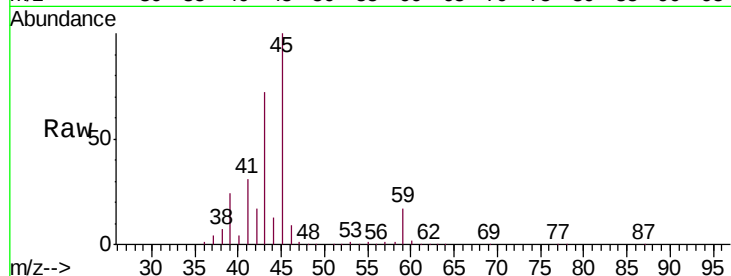
A41S8

Tgt Ion: 43 Resp:41189538

Ion Ratio Lower Upper

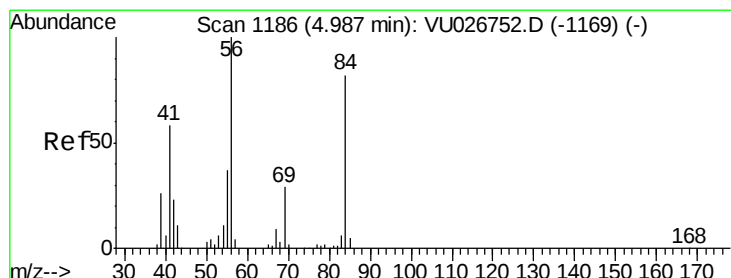
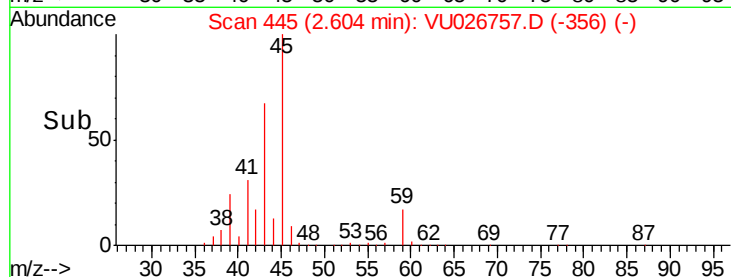
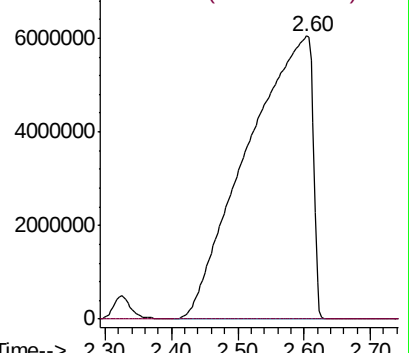
43 100

74 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#29

Cyclohexane

Concen: 0.765 ug/L

RT: 5.00 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VU026757.D

Acq: 14 Sep 2018 11:44

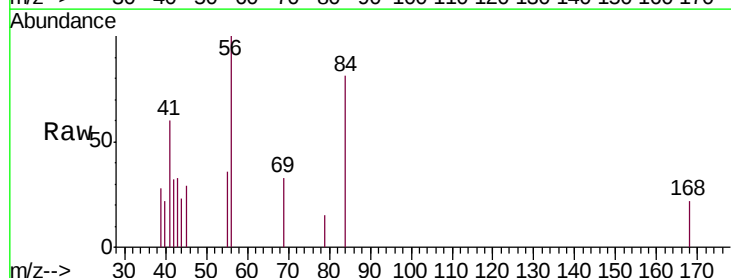
Tgt Ion: 56 Resp: 1393

Ion Ratio Lower Upper

56 100

69 30.2 23.0 34.6

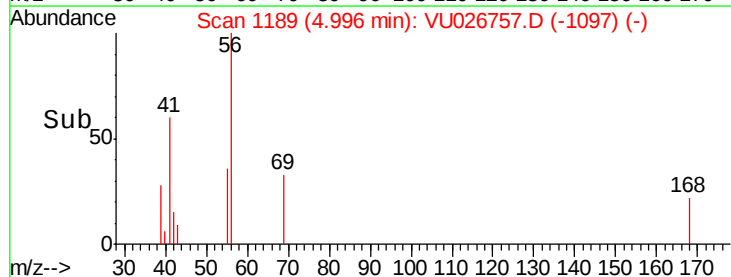
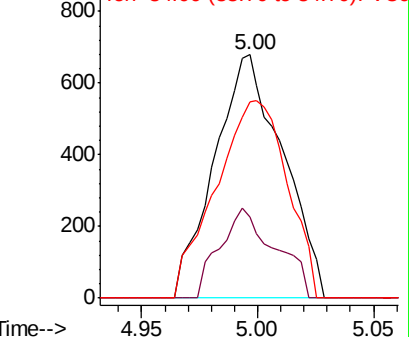
84 84.8 66.5 99.7

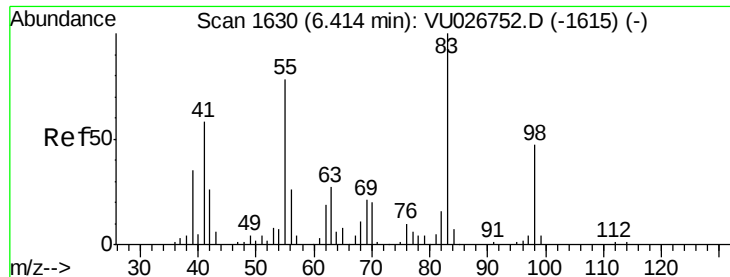


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

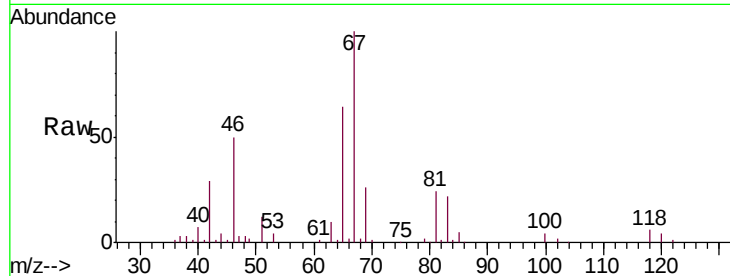




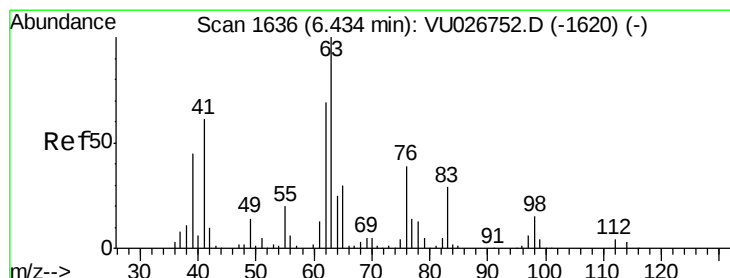
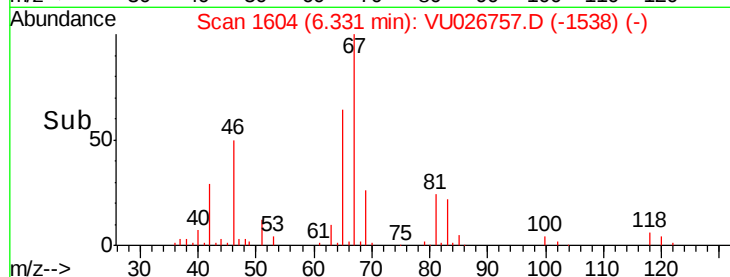
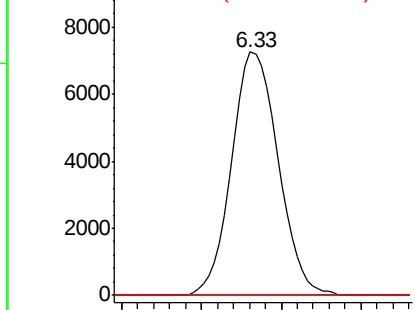
#35
Methylcyclohexane
Concen: 7.817 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU026757.D
Acq: 14 Sep 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
A41S8

Tgt Ion: 83 Resp: 14475
Ion Ratio Lower Upper
83 100
55 0.0 62.9 94.3#
98 0.0 37.0 55.4#

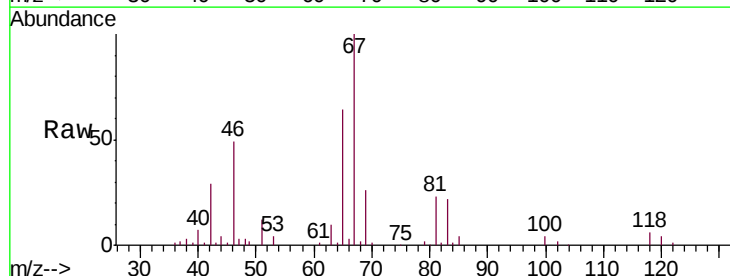


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

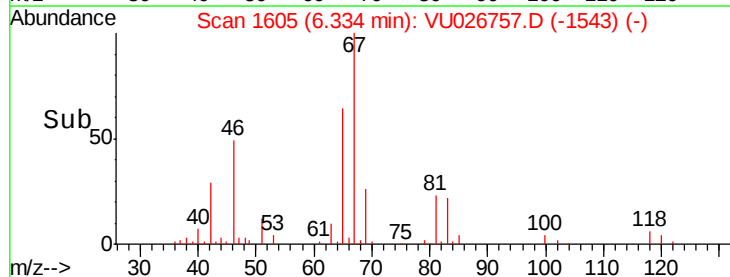
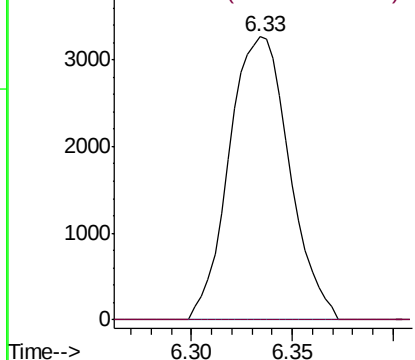


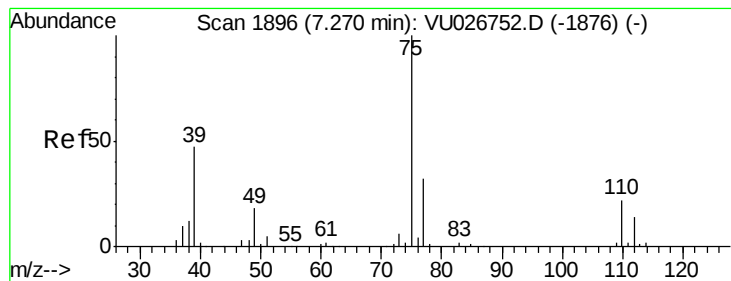
#37
1,2-Dichloropropane
Concen: 5.227 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU026757.D
Acq: 14 Sep 2018 11:44

Tgt Ion: 63 Resp: 6796
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



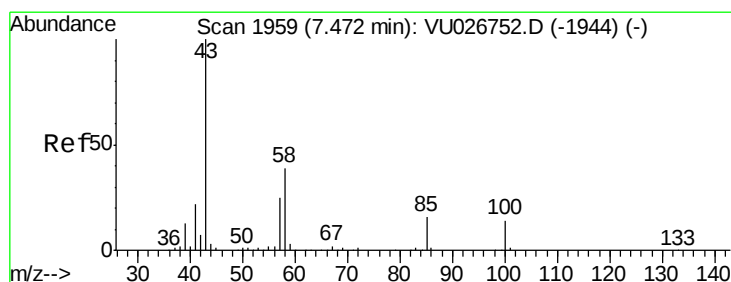
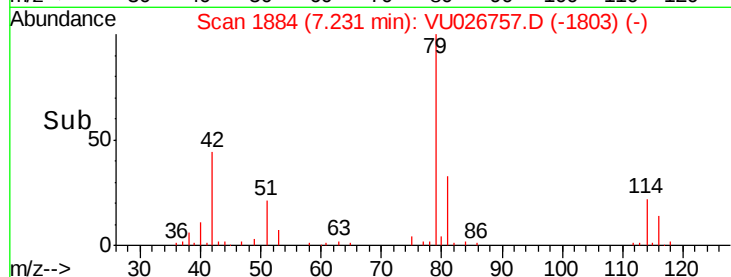
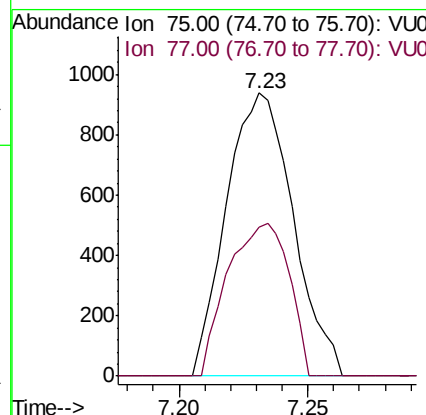
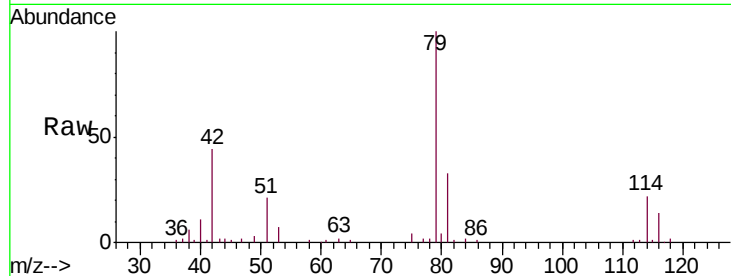


#39

cis-1,3-Dichloropropene
 Concen: 0.881 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026757.D
 Acq: 14 Sep 2018 11:44

Instrument :
 MSVOA_U
 ClientSampled :
 A41S8

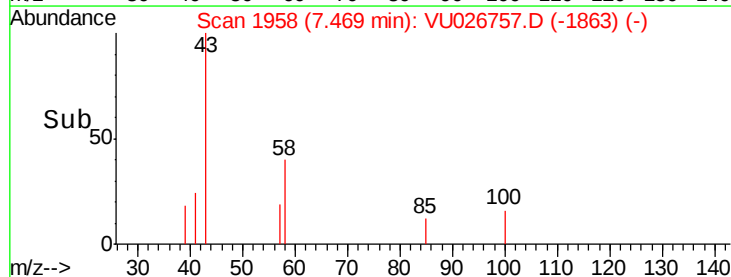
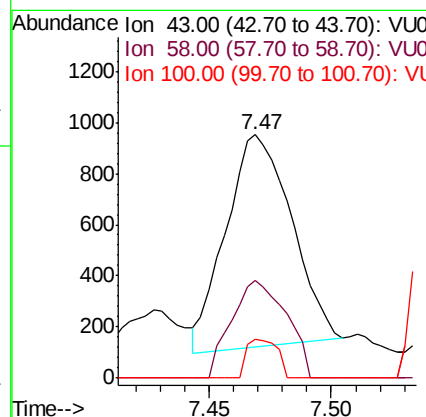
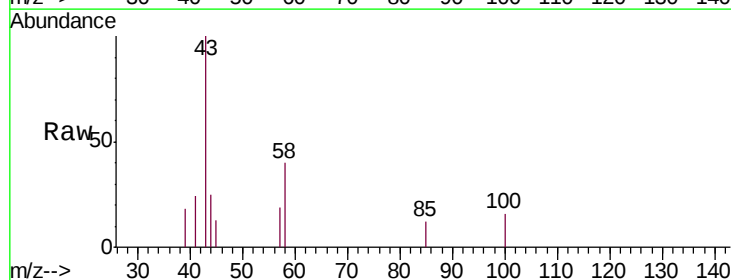
Tgt Ion: 75 Resp: 1695
 Ion Ratio Lower Upper
 75 100
 77 52.9 22.3 41.3#

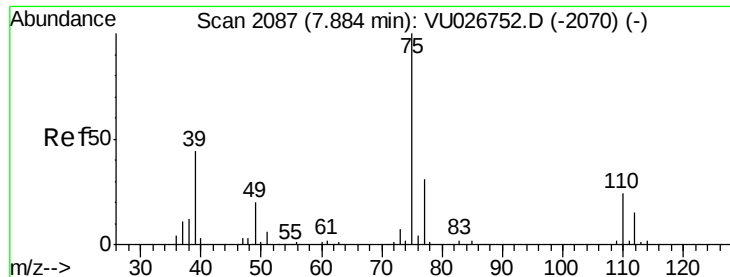


#40

4-Methyl-2-pentanone
 Concen: 0.941 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.01 min
 Lab File: VU026757.D
 Acq: 14 Sep 2018 11:44

Tgt Ion: 43 Resp: 1561
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.1 46.7
 100 8.3 11.3 16.9#

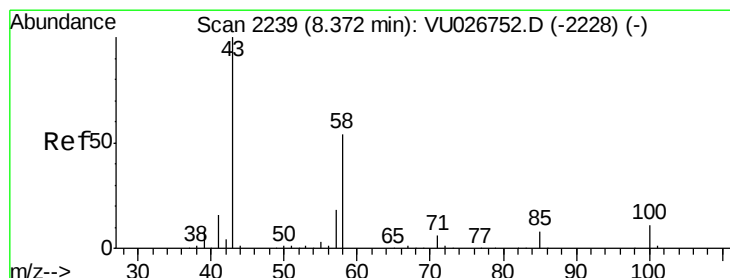
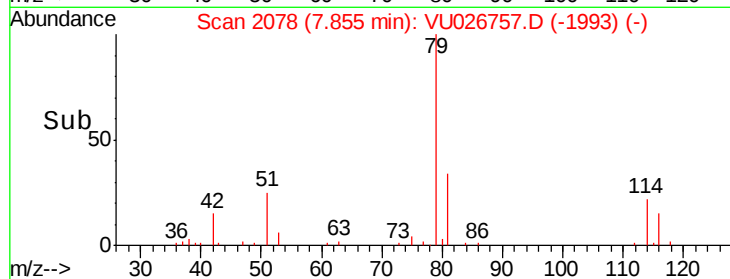
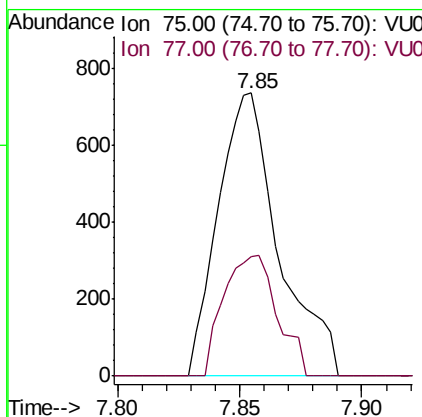
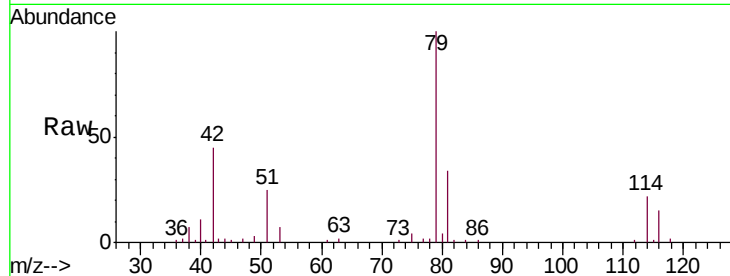




#44
trans-1,3-Dichloropropene
Concen: 0.711 ug/L
RT: 7.85 min Scan# 2078
Delta R.T. -0.03 min
Lab File: VU026757.D
Acq: 14 Sep 2018 11:44

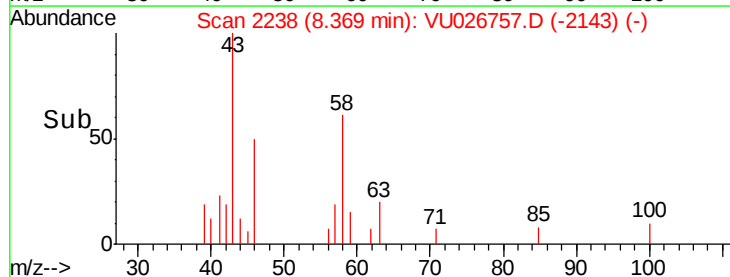
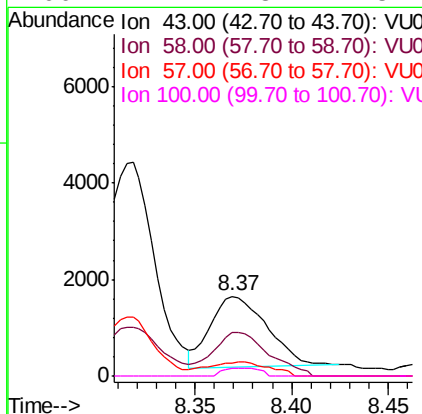
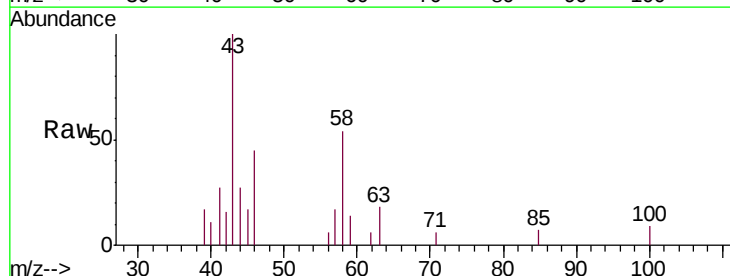
Instrument :
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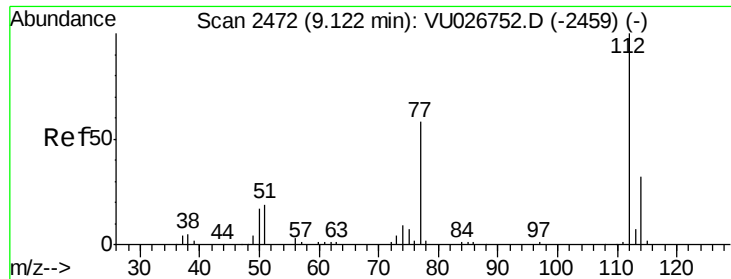
Tgt Ion: 75 Resp: 1272
Ion Ratio Lower Upper
75 100
77 42.3 22.4 41.6#



#48
2-Hexanone
Concen: 2.136 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VU026757.D
Acq: 14 Sep 2018 11:44

Tgt Ion: 43 Resp: 2991
Ion Ratio Lower Upper
43 100
58 60.8 42.2 63.4
57 21.5 14.4 21.6
100 7.4 8.7 13.1#

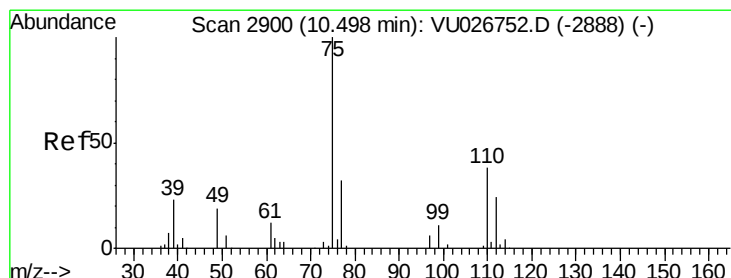
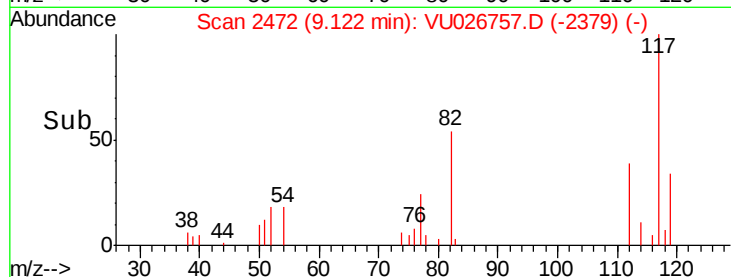
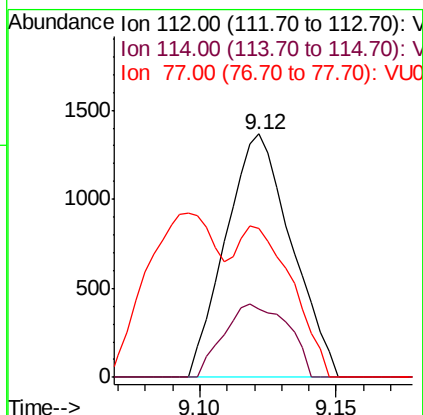
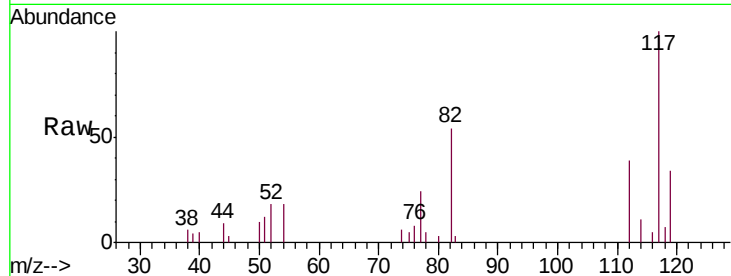




#51
Chlorobenzene
Concen: 0.721 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026757.D
Acq: 14 Sep 2018 11:44

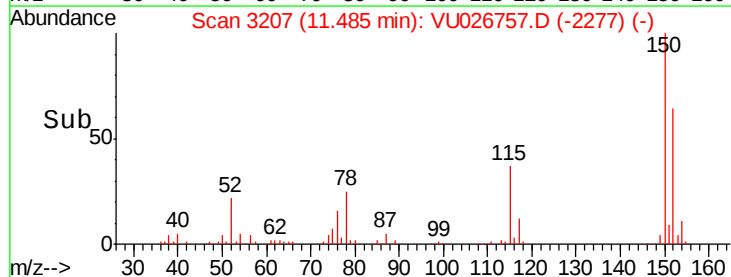
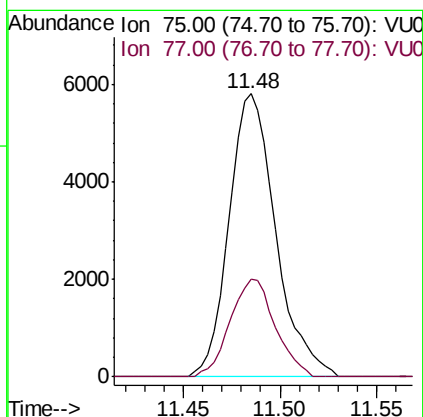
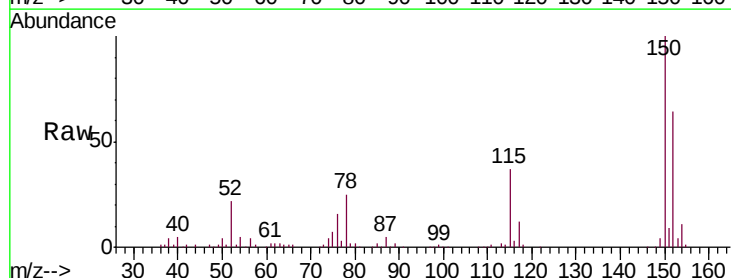
Instrument :
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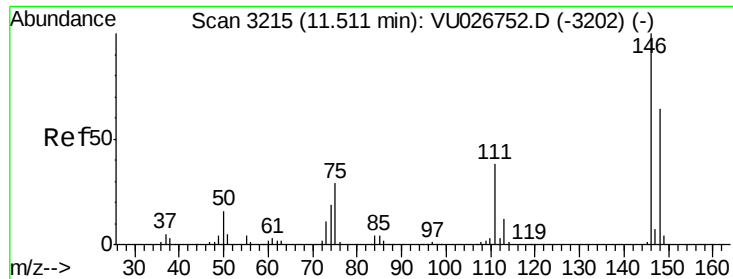
Tgt Ion: 112 Resp: 2285
Ion Ratio Lower Upper
112 100
114 27.9 22.9 42.5
77 61.4 47.2 70.8



#59
1,2,3-Trichloropropane
Concen: 6.340 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU026757.D
Acq: 14 Sep 2018 11:44

Tgt Ion: 75 Resp: 9753
Ion Ratio Lower Upper
75 100
77 33.2 25.8 38.6





#63

1,4-Dichlorobenzene

Concen: 1.350 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026757.D

Acq: 14 Sep 2018 11:44

Instrument :

MSVOA_U

ClientSampleId :

A41S8

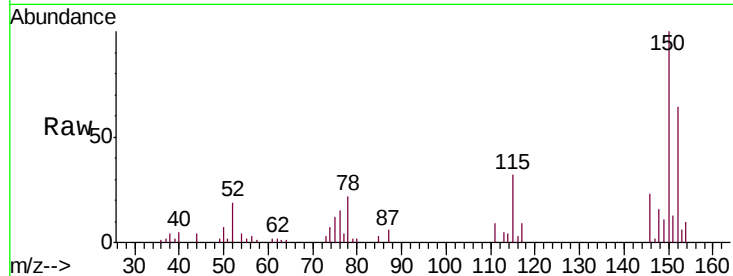
Tgt Ion:146 Resp: 3179

Ion Ratio Lower Upper

146 100

111 36.9 26.5 49.3

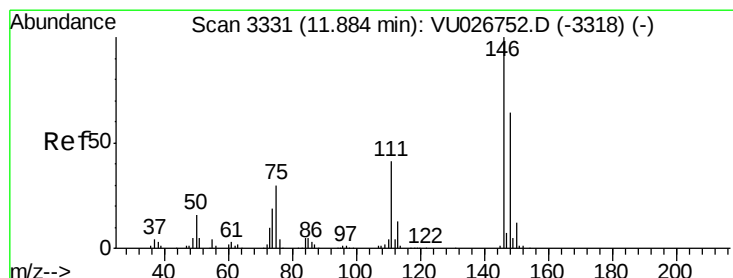
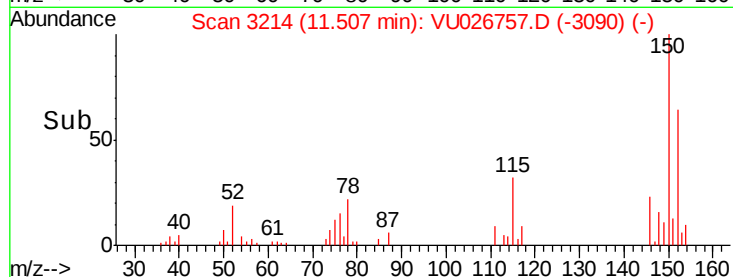
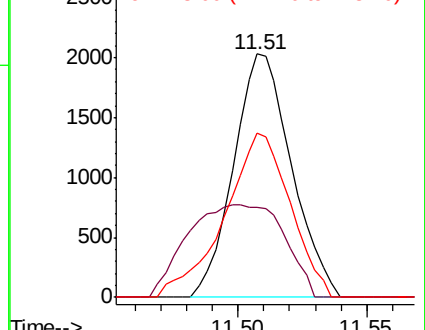
148 67.4 45.2 84.0



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: 1.312 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026757.D

Acq: 14 Sep 2018 11:44

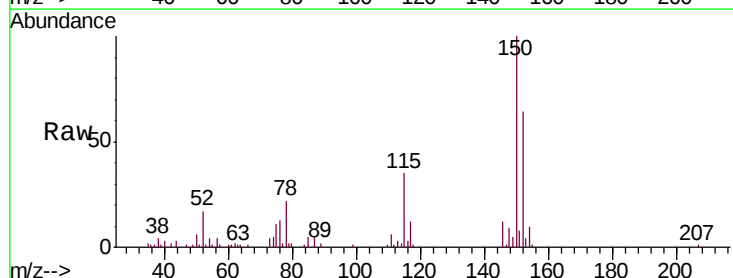
Tgt Ion:146 Resp: 3080

Ion Ratio Lower Upper

146 100

111 48.1 32.8 49.2

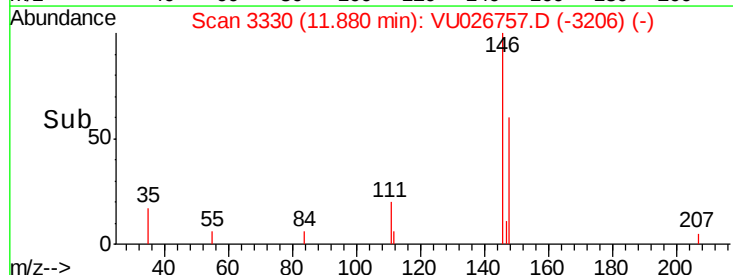
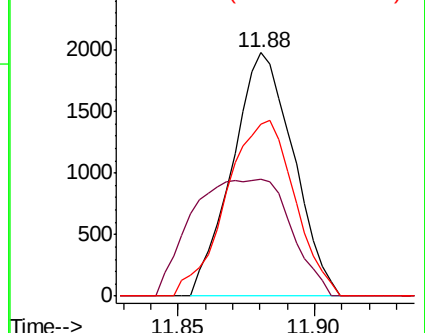
148 70.9 52.2 78.4

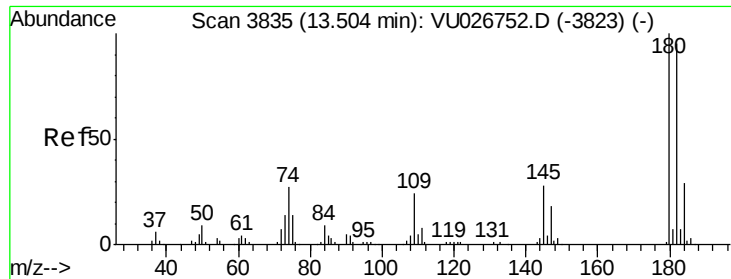


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68
 1,2,4-trichlorobenzene
 Concen: 0.577 ug/L
 RT: 13.51 min Scan# 3838
 Delta R.T. 0.01 min
 Lab File: VU026757.D
 Acq: 14 Sep 2018 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 A41S8

Tgt Ion:180 Resp: 884
 Ion Ratio Lower Upper
 180 100
 182 92.6 76.0 114.0
 145 8.9 23.4 35.0#

